

HOMEFED CORPORATION OTAY RANCH VILLAGE 8 SWIM CLUB

2168 Avenida Caprise,
CHULA VISTA, CALIFORNIA 91913
APN: 644-072-26/LOT 27

LANDSCAPE DEVELOPMENT PLANS

DECLARATION OF RESPONSIBLE CHARGE / LANDSCAPE WATER CONSERVATION STATEMENT

I HEREBY DECLARE THAT I AM THE LANDSCAPE ARCHITECT OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECK OF THE PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF CHULA VISTA, SWEETWATER AUTHORITY/OTAY WATER DISTRICT, AND THE SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS LANDSCAPE ARCHITECT OF WORK OF MY RESPONSIBILITY FOR PROJECT DESIGN. I AM FAMILIAR WITH AND AGREE TO COMPLY WITH THE REQUIREMENTS FOR LANDSCAPE IMPROVEMENT PLANS AS DESCRIBED IN CHAPTER 20.12 OF THE MUNICIPAL CODE. I HAVE PREPARED THIS PLAN IN COMPLIANCE WITH THOSE REGULATIONS. I CERTIFY THAT THE PLAN IMPLEMENTS THE REGULATIONS TO PROVIDE EFFICIENT LANDSCAPE WATER USE.

NAME: DAN HOON
 NAME OF FIRM: BRIGHTVIEW DESIGN GROUP
 ADDRESS: 8 HUGHES IRVINE, CA 92618
 SIGNATURE: DATE: 08/22/2023
 REGISTRATION NO.: 5609 EXP. DATE 06/30/2026

EXITING LOAD DATA FOR POOL AREA

MAIN POOL AREA OCCUPANT LOAD DATA:
 THE MAXIMUM FLOOR AREA PER OCCUPANT REQUIREMENTS FOR THE POOL AREA HAS BEEN DETERMINED BY USING CBC, CHAPTER 10, TABLE 1004.5.

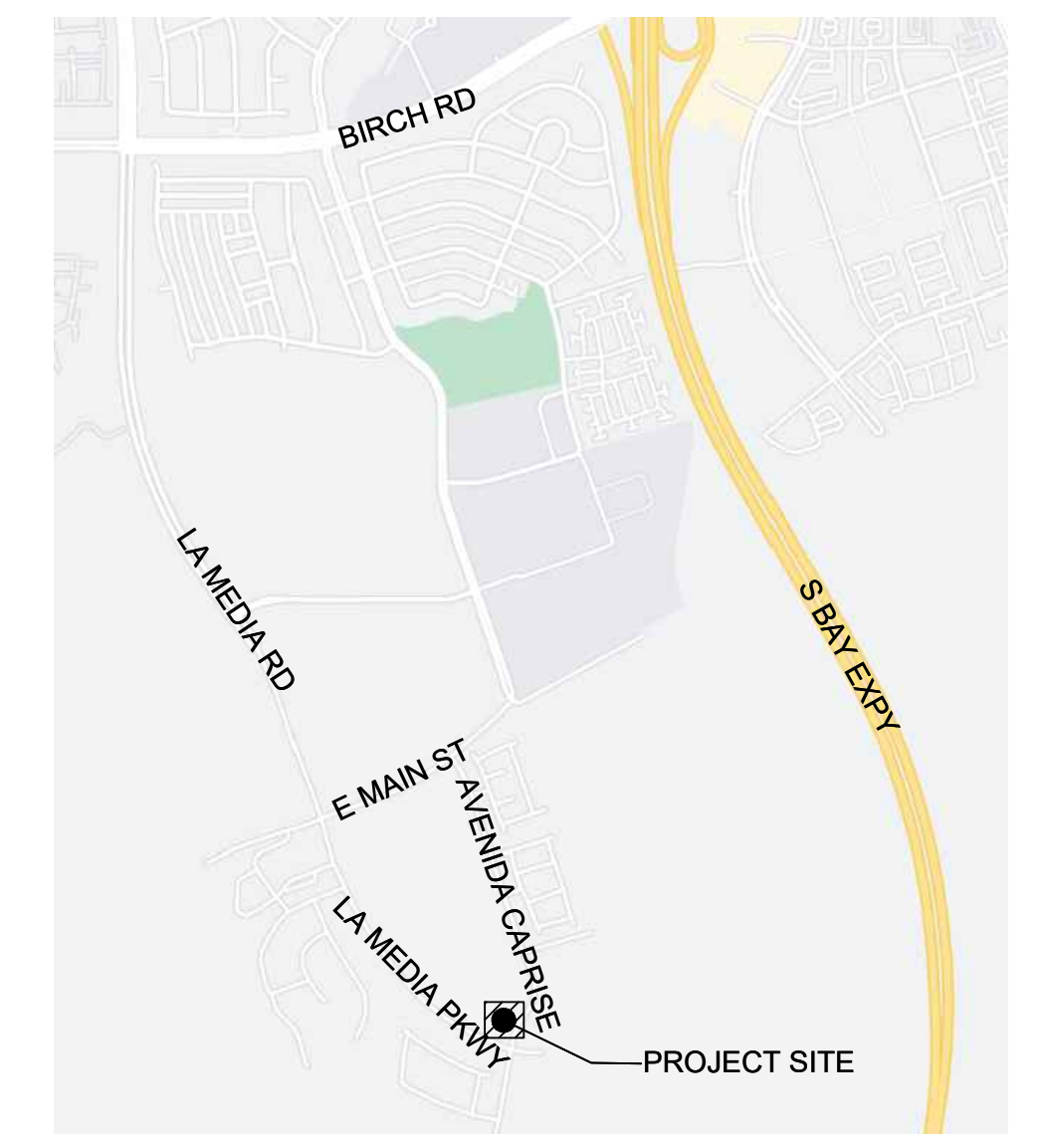
MAIN POOL 4,947 SF / 50 = 99 OCCUPANTS
 SPA 155 SF / 50 = 3 OCCUPANTS
 WADING POOL 576 SF / 50 = 12 OCCUPANTS
 POOL / SPA DECK 14,051 SF / 15 = 937 OCCUPANTS
 TOTAL POOL OCCUPANCY = 1,226 OCCUPANTS

PER CBC CHAPTER 10, SECTION 1005.3.2, TOTAL MEANS OF EGRESS WIDTH IN INCHES SHALL NOT BE LESS THAN THE TOTAL OCCUPANCY LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY .2 INCHES

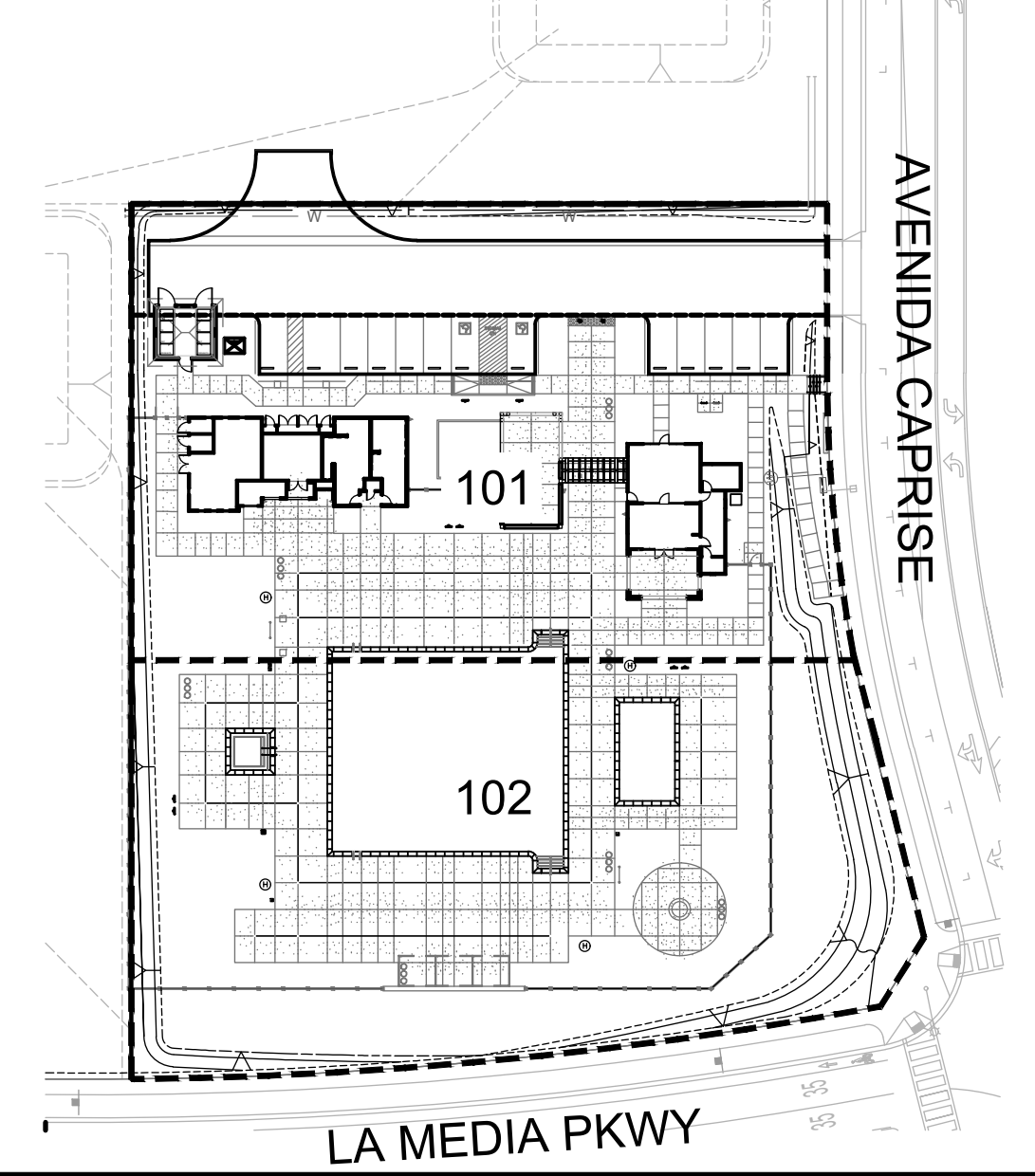
TOTAL EXIT WIDTH REQUIRED (1,226 OCC. X 0.2" = 210")
 = 210" REQUIRED EXIT WIDTH
 EXIT WIDTH PER LOCATION (210" / 3 EXITS REQ. = 70") = 70" REQ. WIDTH PER EXIT
 TOTAL EXIT WIDTH PROVIDED: 84" (WESTERN EXIT) + 84" (CENTER EXIT) + 42" (EASTERN EXIT) = 210" EXIT WIDTH PROVIDED

TOTAL LANDSCAPED AREA: 37,599 SF

VICINITY MAP



LOCATION MAP



SHEET INDEX

| SHEET | TITLE | REVISION | DATE | SHEET | TITLE | REVISION | DATE |
|--------------|--|----------|------|------------------------------------|---|----------|------|
| T-000 | TITLE SHEET | | | SP-202 | POOL DIMENSION PLAN | | |
| CONSTRUCTION | | | | SP-203 | POOL SECTION VIEWS | | |
| LC-001 | CONSTRUCTION SPECIFICATION | | | SP-204 | WADING POOL PLAN VIEW, PLUMBING LAYOUT, AND SECTION VIEWS | | |
| LC-002 | CONSTRUCTION LEGEND | | | SP-301 | SPA PLAN VIEW, PLUMBING LAYOUT, AND SECTION VIEWS | | |
| LC-101 | CONSTRUCTION PLANS | | | SP-401 | POOL, SPA, AND WADING POOL DETAILS | | |
| LC-102 | CONSTRUCTION PLANS | | | SP-402 | POOL, SPA, AND WADING POOL DETAILS | | |
| LC-401 | CONSTRUCTION DETAILS | | | SP-501 | EQUIPMENT ROOM LAYOUT, LIST, AND SCHEMATIC DIAGRAMS | | |
| LC-402 | CONSTRUCTION DETAILS | | | SP-502 | EQUIPMENT LIST AND SCHEMATIC DIAGRAMS | | |
| LC-403 | CONSTRUCTION DETAILS | | | SP-601 | PRODUCT SPECIFICATION CUT SHEETS | | |
| LC-404 | CONSTRUCTION DETAILS | | | SP-602 | PRODUCT SPECIFICATION CUT SHEETS | | |
| LC-405 | CONSTRUCTION DETAILS | | | SP-603 | PRODUCT SPECIFICATION CUT SHEETS | | |
| IRRIGATION | | | | SP-604 | PRODUCT SPECIFICATION CUT SHEETS | | |
| LI-000 | IRRIGATION LEGENDS | | | SP-701 | CHEMICAL REGULATION | | |
| LI-001 | IRRIGATION CALCULATIONS | | | SP-702 | CHEMICAL REGULATION | | |
| LI-002 | IRRIGATION SPECIFICATIONS | | | SPS-100 | POOL AND WADING POOL LAYOUT, SECTION, GENERAL NOTES AND DETAILS | | |
| LI-003 | IRRIGATION NOTES | | | SPS-101 | SPA LAYOUT, SECTION, AND DETAILS | | |
| LI-101 | IRRIGATION PLANS | | | ELECTRICAL | | | |
| LI-102 | IRRIGATION PLANS | | | LE-1 | ELECTRICAL SITE PLAN | | |
| LI-401 | IRRIGATION DETAILS | | | LE-2 | PHOTOMETRIC SITE PLAN | | |
| LI-402 | IRRIGATION DETAILS | | | LE-3 | ELECTRICAL GENERAL NOTES, LEGEND AND ABBREVIATIONS | | |
| LI-403 | IRRIGATION DETAILS | | | LE-4 | ELECTRICAL DETAILS AND SCHEDULES | | |
| LI-404 | IRRIGATION DETAILS | | | LE-5 | TITLE 24 COMPLIANCE FORMS | | |
| PLANTING | | | | STRUCTURAL | | | |
| LP-001 | PLANTING SPECIFICATION | | | SN-1 | STRUCTURAL NOTES | | |
| LP-002 | PLANTING LEGEND | | | SSD-1 | SITE STRUCTURE DETAILS | | |
| LP-101 | PLANTING PLANS | | | SSD-2 | SITE STRUCTURE DETAILS | | |
| LP-102 | PLANTING PLANS | | | SSD-3 | SITE STRUCTURE DETAILS | | |
| LP-401 | PLANTING DETAILS | | | SSD-4 | SITE STRUCTURE DETAILS | | |
| POOL AND SPA | | | | SSD-5 | SITE STRUCTURE DETAILS | | |
| SP-001 | COVERSHEET, NOTES AND VICINITY MAP | | | NOTIFICATIONS | | | |
| SP-101 | PLOT PLAN | | | APPROVALS | | | |
| SP-102 | GROUNDING PLAN | | | PLAN CHECK # | | | |
| SP-103 | GROUNDING PLAN, EQUIPOTENTIAL BONDING NOTES AND DETAIL | | | DEPARTMENT OF DEVELOPMENT SERVICES | | | |
| SP-201 | POOL PLAN VIEW AND PLUMBING LAYOUT | | | CITY OF CHULA VISTA, CA | | | |

ADDITIONAL NOTES

NOTE:
 REFER TO THE GEOTECHNICAL REPORT AND CIVIL ENGINEERING PLANS FOR FLATWORK REINFORCEMENT, SUB-BASE AND STRUCTURAL TIE RECOMMENDATIONS. ALL LANDSCAPE CONSTRUCTION DETAILS REFERENCE DESIGN INTENT, MATERIALS, COLOR AND FINISHES ONLY. CONTRACTOR TO SUBMIT SHOP DRAWINGS / SAMPLES TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

NOTE:
 REFER TO STRUCTURAL ENGINEERING PLANS FOR STRUCTURAL DESIGN OF STEEL FABRICATION, FOOTINGS, ATTACHMENTS, AND REINFORCEMENT. ALL LANDSCAPE CONSTRUCTION DETAILS REFERENCE DESIGN INTENT, MATERIALS, COLOR AND FINISHES ONLY. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

NOTE:
 LANDSCAPING FOR THIS PROJECT SHALL BE DESIGNED TO COMPLY WITH THE CITY'S WATER EFFICIENT LANDSCAPE ORDINANCE AND WITH THE GUIDELINES FOR IMPLEMENTATION OF THE WATER EFFICIENT LANDSCAPE ORDINANCE.

NOTE:
 ALL WORK CONFORMS WITH:
 - 2022 CALIFORNIA BUILDING CODE
 - 2022 CALIFORNIA GREEN BUILDING CODE

NOTE:
 ALL WORK CONFORMS WITH:
 - 2022 CALIFORNIA BUILDING CODE
 - 2022 CALIFORNIA GREEN BUILDING CODE

REFERENCE PERMIT NUMBER
 - IP23-0012
 - GR23-0012
 - B23-0135

GENERAL NOTES

- CONTRACTOR SHALL VERIFY WITH OWNER'S REPRESENTATIVE THAT PLANS ARE CURRENT AND APPROVED.
- CONTRACTOR SHALL MAINTAIN A SIGNED SET OF APPROVED CONSTRUCTION PLANS AND RELATED DOCUMENTATION AND A COPY OF THE CONSTRUCTION PERMIT ON THE JOB SITE DURING WORK OPERATIONS.
- LANDSCAPE IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF CHULA VISTA LANDSCAPE MANUAL, LANDSCAPE WATER CONSERVATION ORDINANCE, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREEN BOOK"), AND THE CITY OF CHULA VISTA'S LANDSCAPE IMPROVEMENT REVIEW PACKET, LATEST APPROVED EDITIONS (AS APPLICABLE). WHENEVER SPECIAL REQUIREMENTS CONFLICT ON ANY MATTER, THE STRICTER REQUIREMENT SHALL APPLY.
- LANDSCAPE IMPROVEMENTS SHALL REFER TO ALL IMPROVEMENTS WITHIN THIS SET OF DOCUMENTS.
- THESE PLANS ARE BASED ON:
 CIVIL IMPROVEMENTS BY HUNSAKER AND ASSOCIATES DATED 06/29/2023, DRAWING NUMBER(S) B23-0135 AND/OR
 BUILDING IMPROVEMENTS BY STARCK ARCHITECTURE+PLANNING DATED 06/06/2023, PERMIT NUMBER(S) B23-0135
- THE CONTRACTOR SHALL COMPLY WITH THE ENGINEERING SOILS REPORT RECOMMENDATIONS AS THEY RELATE TO THE WORK DEPICTED ON THESE PLANS.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY AND/OR REQUIRED PERMITS AND PAY ALL RELATED FEES AND/OR TAXES REQUIRED TO INSTALL THE WORK ON THESE PLANS.
- THE CONTRACTOR SHALL BE APPROPRIATELY LICENSED AS REQUIRED BY THE STATE OF CALIFORNIA.
- THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY ERRORS, OMISSIONS OR DISCREPANCIES IN EXISTING CONDITIONS OR WITH THE PLANS PRIOR TO THE BEGINNING OF WORK.
- UNIT PRICES FOR ALL IMPROVEMENTS SHALL BE ESTABLISHED AS PART OF THE CONTRACT WITH THE PROJECT OWNER, PRIOR TO BEGINNING WORK, TO ACCOMMODATE ADDITIONS AND/OR DELETIONS OF MATERIAL AND/OR LABOR.
- DETERMINATION OF "EQUAL" SUBSTITUTIONS SHALL BE MADE ONLY BY THE LANDSCAPE ARCHITECT OF RECORD (OR OWNERS REPRESENTATIVE).
- THE LANDSCAPE ARCHITECT OF RECORD AND CITY REPRESENTATIVES SHALL BE NOTIFIED NO LESS THAN 48 HOURS IN ADVANCE OF THE START OF CONSTRUCTION, ANY SITE OBSERVATION, OR MEETINGS. SITE OBSERVATIONS SHALL INCLUDE, BUT NOT BE LIMITED TO:
 a. PRE-CONSTRUCTION MEETING
 b. LANDSCAPE GRADING AND SOIL AMENDING
 c. LANDSCAPE CONSTRUCTION
 d. SPOTTING OF SPECIMEN PLANTS
 e. IRRIGATION PRESSURE AND COVERAGE TEST
 f. PLANTING AND/OR HYDROSEEDING
 g. PRE-MAINTENANCE
 h. POST-MAINTENANCE (FINAL)
- SITE OBSERVATIONS BY THE LANDSCAPE ARCHITECT OF RECORD DURING ANY PHASE OF THIS PROJECT DO NOT RELIEVE CONTRACTOR OF THEIR PRIMARY RESPONSIBILITY TO PERFORM ALL WORK IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND GOVERNING CODES.
- THE CONTRACTOR SHALL PROVIDE FULL MAINTENANCE OF ALL LANDSCAPE AREAS FOR A MINIMUM OF 1 YEAR AFTER SUBSTANTIAL COMPLETION AS DETERMINED BY CITY REPRESENTATIVE.
- PRIOR TO THE COMMENCEMENT OF THE LANDSCAPE AND IRRIGATION IMPROVEMENTS, THE CONTRACTOR SHALL CONTACT THE CITY LANDSCAPE INSPECTOR TO OBTAIN A LANDSCAPE INSPECTION PACKET, LANDSCAPE, AND IRRIGATION BOND EXONERATION WORKSHEET (IF APPLICABLE).
- PROPOSED SCOPE OF WORK MAY INCLUDE WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND OTHER PUBLICLY OWNED AREAS. PRIOR TO COMMENCING WORK, CONTRACTOR SHALL CONTACT CITY OF CHULA VISTA SENIOR LANDSCAPE INSPECTOR, DAVE DEFACCI (DDEFACCI@CHULAVISTACA.GOV) ("LANDSCAPE INSPECTOR") TO COORDINATE WORK WITHIN AND AROUND THESE AREAS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING IN-KIND ANY DAMAGES TO PUBLIC AREAS, TO THE SATISFACTION OF THE LANDSCAPE INSPECTOR.
- THE FOLLOWING ARE THE LANDSCAPE AND IRRIGATION FINAL CONSTRUCTION APPROVAL, ACCEPTANCE AND TURN-OVER DOCUMENTS REQUIRED FOR ALL PRIVATE INFRASTRUCTURE WITHIN THE CITY OF CHULA VISTA. THE RESPONSIBLE PARTY SHALL SUBMIT THE FOLLOWING TURN-OVER ITEMS TO SENIOR LANDSCAPE INSPECTOR, DAVE DEFACCI:
 a. FORM 5522 COMPLETED AND SIGNED BY LANDSCAPE ARCHITECT OF RECORD AND PROJECT APPLICANT.
 b. TRUE HALF SIZE PAPER COPY OF DIMENSIONED AS-BUILT IRRIGATION AND PLANTING PLANS WITH TREES NOTED.
 c. SIGNED LETTER FROM THE ENTITY THAT IS MAINTAINING THE PROJECT (E.G. OWNER, HOA, ETC.) STATING THEY ARE SATISFIED WITH THE PROJECT INSTALLATION AND HAVE ACCEPTED MAINTENANCE.
 d. COPY OF THE BOND, BOND ESTIMATE, AND BOND EXONERATION WORKSHEET, IF APPLICABLE.
 e. CITY OF CHULA VISTA L&I INSPECTION CARD AS APPROPRIATE FOR THE TYPE OF PROJECT (PUBLIC, PRIVATE, OR HYBRID).
 f. ALL OF THE ABOVE, ON A USB FLASH DRIVE IN PDF FILE FORMAT.

NOTIFICATIONS

| | |
|---|--|
| CLIENT HOMEFED CORPORATION 1903 WRIGHT PLACE, SUITE 220 CARLSBAD, CA 92008 PH. 760.918.8200 CONTACT: DON ROSS EMAIL: DROSS@HFC-CA.COM | LANDSCAPE ARCHITECT BRIGHTVIEW DESIGN GROUP 8 HUGHES, STE 150 IRVINE, CA 92618 PH. 714.656.1019 CONTACT: HWA WANG EMAIL: HWA.WANG@BRIGHTVIEW.COM |
| POOL AQUATIC TECHNOLOGIES 32232 PASEO ADELANTO SAN JUAN CAPISTRANO, CA 92675 PH. 949.276.7609 CONTACT: DAVE HART EMAIL: DAVE@AQUATICTECHNOLOGIES.COM | ARCHITECT STARCK ARCHITECTURE AND PLANNING 2045 KETTNER BLVD, SUITE 100 SAN DIEGO, CA 92101 PH. 619.299.707 X 113 CONTACT: JAMIE STARCK EMAIL: JAMIE@STARCKAP.COM |
| CIVIL ENGINEER HUNSAKER AND ASSOCIATES 9707 WAPLES STREET SAN DIEGO, CA 92121 PH. 858.558.4500 CONTACT: TROY BURNS EMAIL: TBRUNS@HUNSAKERSD.COM | SOILS ENGINEER ADVANCE GEOTECHNICAL, INC. 485 CORPORATE DRIVE, SUITE B ESCONDIDO, CA 92029 PH. 619.867.0487 CONTACT: SHANE P. SMITH |
| LIGHTING RTM ENGINEERING CONSULTANTS 1300 QUIL ST., #200, NEWPORT BEACH, CA 92660 PH. 949.610.7390 CONTACT: VICTOR LEON EMAIL: VICTOR.LEON@RTMEC.COM | STRUCTURAL ENGINEER HARRIS AND SLOAN 130 VANTIS, SUITE 130 ALISO VIEJO, CA 92656 PH. 916.921.2441 CONTACT: KATIE LILLIDOLL EMAIL: KILLIEDOLL@HARRISANDSLOAN.COM |
| DRY UTILITIES ENGINEERING PARTNERS 10150 MEANLEY DRIVE, SUITE 200 SAN DIEGO, CA 92130 PH: 858.824.1761 CONTACT: EVAN LIKES EMAIL: EVAN@ENGINEERINGPARTNERS.COM | |

APPROVALS

| | | |
|--|---------------------------------------|--------------|
| PLAN CHECK # DEPARTMENT OF DEVELOPMENT SERVICES CITY OF CHULA VISTA, CA | | |
| ACCEPTED (PRINT NAME) | SIGNATURE | DATE |
| DIRECTOR OF DEVELOPMENT SERVICES LAURA C. BLACK OR DESIGNEE, CITY OF CHULA VISTA, CA | | |
| ACCEPTED (PRINT NAME) | SIGNATURE | DATE |
| BUILDING & SAFETY DEPARTMENT CITY OF CHULA VISTA, CA | | |
| ACCEPTED (PRINT NAME) | SIGNATURE | DATE |
| UTILITIES (CONTRACTOR TO NOTIFY THE FOLLOWING AGENCIES OR UTILITIES 48 HOURS PRIOR TO STARTING CONSTRUCTION OR EXCAVATION.) | | |
| ELECTRICAL COMPANY | SOUTHERN CALIFORNIA EDISON | 805.654.7486 |
| GAS COMPANY | SOUTHERN CALIFORNIA GAS COMPANY | 819.266.6557 |
| WATER DISTRICT | OTAY WATER DISTRICT | 619.670.2222 |
| PHONE | SOUTHERN CALIFORNIA TELEPHONE COMPANY | 661.424.9530 |

BrightView
Design Group

PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

8 HUGHES, SUITE 150
IRVINE, CALIFORNIA 92618
(949) 238-4900

LANDSCAPE ARCHITECT
L. HOON
0609
08/22/2023
06/30/2026
STATE OF CALIFORNIA

PLAN REVISION DESCRIPTION

811
Know what's below.
Call 811 before you dig.

REFER TO THE SHEET INDEX ON SHEET T-000 FOR A COMPLETE LIST OF DRAWINGS.

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

AGENCY SUBMITTAL #2

| | | |
|----------|------------|-----------------------|
| PLAN SET | ISSUE DATE | PROJECT STATUS LOG |
| A | 06/28/2023 | AGENCY SUBMITTAL #1 |
| B | 09/06/2023 | PLANNING SUBMITTAL #2 |

BVDD JOB NUMBER: 1730912
 DRAWN BY: HW/BT
 PLAN CHECK NO: GR23-0012
 SHEET TITLE

T-000

9/7/2023 2:52 PM

CONSTRUCTION LEGEND

PAVING LEGEND

| CODE | DESCRIPTION | DETAIL | SHEET | MATERIAL / MODEL NO. | COLOR / FINISH | MANUFACTURER / SUPPLIER | REMARKS / COMMENTS |
|------|---|--------|--------|---|---|--|---|
| P-01 | PEDESTRIAN CONCRETE PAVING | A,B | L2.401 | POUR IN PLACE CONCRETE | NATURAL GRAY - MEDIUM BROOM FINISH | N/A | N/A |
| P-02 | TRUNCATED DOMES PAVERS | D | L2.401 | 12"x12"x2" TRUNCATED DOME PAVERS | CHARCOAL / A-100 | ORCO TEXTURA OR APPROVED EQUAL BY OWNER | SUBMIT SAMPLE AND SPEC SHEET - PROVIDE MOCK UP IN RADIAL PATTERN SPECIFIED WIDTH. |
| P-03 | PRECAST CONCRETE POOL & SPA COPING AND WATERLINE TILE & DEPTH MARKERS | C | L2.404 | CUSTOM PRECAST CONCRETE, COLORBODY PORCELAIN TILE, AND GLASS MOSAIC | COPING - DARK GRAY POOL WATER TILE LINE | PACIFIC STONE OR APPROVED EQUAL BY OWNER DAL TILE : SPEC: TBD | SUBMIT FULL SIZE PRECAST PIECE WITH POOL DECK MOCK UP, SUBMIT TILE MESH MOUNTED 6" WIDE MIN. N/A |
| P-04 | SYNTHETIC TURF | C | L2.401 | IMPERIAL SYNTHETIC TURF GRASS | CALIFORNIA TALL FESCUE 90 | IMPERIAL SYNTHETIC TURF INVISIBLE STRUCTURES | N/A |
| P-05 | CONCRETE CUTOFF WALL AT POOL DECK | A | L2.404 | CONCRETE | NATURAL GRAY CONCRETE | N/A | N/A |
| P-06 | CONCRETE MOWCURB | G | L2.401 | CONCRETE | NATURAL GRAY WITH MEDIUM BROOM FINISH | N/A | N/A |
| P-07 | CONCRETE AT POOL DECK | A | L2.404 | POUR IN PLACE CONCRETE | NATURAL GRAY - LIGHT ETCHED (SIMILAR TO TOPCAST #3) | N/A | PROVIDE 4'X4' MOCK UP |

WALL LEGEND

| CODE | DESCRIPTION | DETAIL | SHEET | MATERIAL / MODEL NO. | COLOR / FINISH / PATTERN | MANUFACTURER/ SUPPLIER | REMARKS / COMMENTS |
|------|--|--------|--------|---|--|------------------------|---|
| W-01 | CMU WALL WITH STUCCO FINISH | D | L2.402 | WALL: CMU WITH SMOOTH STUCCO FINISH WALL CAP: 14" SQ, VALORI PRECAST VP-SQ14CRNB | FINISH TO MATCH ARCHITECTURE, COLOR - PENDING FINISH TO MATCH ARCHITECTURE, COLOR - PENDING | TBD VALORI PRECAST | N/A SUBMIT SPEC SHEET AND COLOR SAMPLE http://www.valoriprecast.com/ |
| W-02 | PROJECT ADDRESS SIGN AND MONUMENTATION | C | L2.402 | WALL: CMU WITH SMOOTH STUCCO FINISH WALL CAP: 14" SQ, VALORI PRECAST VP-SQ14CRNB | FINISH TO MATCH ARCHITECTURE, COLOR - PENDING FINISH TO MATCH ARCHITECTURE, COLOR - PENDING | N/A VALORI PRECAST | SUBMIT PAINT COLOR CHIP SUBMIT SPEC SHEET AND COLOR SAMPLE http://www.valoriprecast.com/ |

FENCE LEGEND

| CODE | DESCRIPTION | DETAIL | SHEET | MATERIAL / MODEL NO. | COLOR / FINISH / PATTERN | MANUFACTURER/ SUPPLIER | REMARKS / COMMENTS |
|------|----------------------|--------|--------|----------------------|--------------------------|--------------------------------------|--|
| F-01 | POOL ENCLOSURE FENCE | D | L2.403 | TUBULAR STEEL | BLACK, SEMI GLOSSY | AMERISTAR OR APPROVED EQUAL BY OWNER | SUBMIT SHOP DRAWINGS METAL RAL OR PAINT COLOR CHIP |

GATE LEGEND

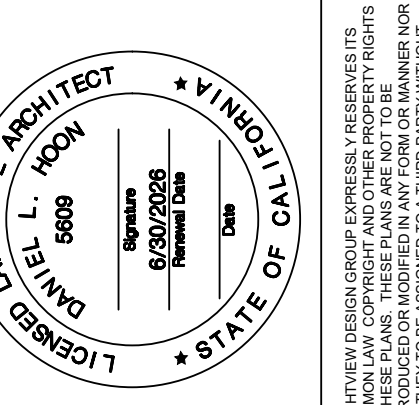
| CODE | DESCRIPTION | DETAIL | SHEET | MATERIAL / MODEL NO. | COLOR / FINISH / PATTERN | MANUFACTURER/ SUPPLIER | REMARKS / COMMENTS |
|------|---|--------|--------|---------------------------|--------------------------|------------------------|--|
| G-01 | MAIN ENTRY - TUBULAR STEEL DOUBLE POOL GATE | A | L2.403 | CUSTOM TUBULAR STEEL GATE | BLACK, SEMI GLOSSY | CUSTOM | SUBMIT SHOP DRAWINGS METAL RAL OR PAINT COLOR CHIP |
| G-02 | WEST ENTRY - TUBULAR STEEL DOUBLE POOL GATE | B | L2.403 | CUSTOM TUBULAR STEEL GATE | BLACK, SEMI GLOSSY | CUSTOM | SUBMIT SHOP DRAWINGS METAL RAL OR PAINT COLOR CHIP |
| G-03 | EAST ENTRY - TUBULAR STEEL DOUBLE GATE | C | L2.403 | CUSTOM TUBULAR STEEL GATE | BLACK, SEMI GLOSSY | CUSTOM | SUBMIT SHOP DRAWINGS METAL RAL OR PAINT COLOR CHIP |

SITE ELEMENT LEGEND

| CODE | DESCRIPTION | DETAIL | SHEET | MATERIAL / MODEL NO. | COLOR / FINISH / PATTERN | MANUFACTURER/ SUPPLIER | REMARKS / COMMENTS |
|------|---------------------------------|--------------|--------------|--|---|--|--|
| S-01 | LAP POOL | PER POOL ENG | PER POOL ENG | BY POOL/SPA ENGINEER | WHITE PLASTER | AQUATIC TECHNOLOGIES | SUBMIT EQUIPMENT AND MATERIAL SPECIFICATION SHEETS AND PLASTER SAMPLE, SHOWN FOR REFERENCE/PER SEPARATE PERMIT |
| S-02 | WADING POOL | PER POOL ENG | PER POOL ENG | BY POOL/SPA ENGINEER | WHITE PLASTER | AQUATIC TECHNOLOGIES | SUBMIT EQUIPMENT AND MATERIAL SPECIFICATION SHEETS AND PLASTER SAMPLE, SHOWN FOR REFERENCE/PER SEPARATE PERMIT |
| S-03 | SPA | PER POOL ENG | PER POOL ENG | BY POOL/SPA ENGINEER | WHITE PLASTER | AQUATIC TECHNOLOGIES | SUBMIT EQUIPMENT AND MATERIAL SPECIFICATION SHEETS AND PLASTER SAMPLE, SHOWN FOR REFERENCE/PER SEPARATE PERMIT |
| S-04 | CHAISE LOUNGE | N/A | N/A | PER OWNER/INTERIOR DESIGNER | PER OWNER/INTERIOR DESIGNER | PER OWNER/INTERIOR DESIGNER | SHOWN FOR REFERENCE/PER SEPARATE PERMIT |
| S-05 | FIRE FEATURE | I | L2.401 | OA-CUSTOMFOA 7'W X 22"H | COASTAL | OASIS FIRE TABLES | N/A |
| S-06 | OVERHEAD SHADE STRUCTURE | A | L2.405 | 10' X 12' STEEL FRAME TRELLIS ROOF | POWDER COATED BLACK SEA POWDER COATED BLACK SEA | TUCCI SHOWN FOR REFERENCE/PER SEPARATE PERMIT | SUBMIT PRODUCT SPECIFICATIONS SHEET WWW.TUCCI.COM |
| S-07 | LOUNGE CHAIR | N/A | N/A | PER OWNER/INTERIOR DESIGNER | PER OWNER/INTERIOR DESIGNER | PER OWNER/INTERIOR DESIGNER | SHOWN FOR REFERENCE/PER SEPARATE PERMIT |
| S-08 | TRAFFIC BOLLARDS | F | L2.401 | RELIANCE FOUNDRY: MODEL R-7842 COVER WITH C-40 R-1009-40 FIXED CRASH RATED BOLLARD | BLACK, SEMI GLOSSY | N/A | SUBMIT PRODUCT SPECIFICATIONS SHEET https://www.reliance-foundry.com/bollard#graf |
| S-09 | STAIR AND HANDRAILS | A/B | L2.402 | STEPS - CONCRETE HANDRAILS - TUBULAR STEEL | NATURAL GRAY WITH MEDIUM BROOM FINISH BLACK, SEMI GLOSSY | N/A N/A | SUBMIT METAL RAL OR PAINT COLOR CHIP |
| S-10 | SLOT DRAINS | B | L2.404 | CUSTOM | ROUND BRASS CLEAN OUT, SIZE PER CIVIL PLANS | N/A | N/A |
| S-11 | EMERGENCY SPA SHUT OFF VALVE | E | L2.404 | TUBULAR STEEL | BLACK, SEMI GLOSS | N/A | SUBMIT METAL RAL OR PAINT COLOR CHIP |
| S-12 | POOL SAFETY SIGN | N/A | N/A | BY SIGNAGE CONSULTANT | BY SIGNAGE CONSULTANT | BY SIGNAGE CONSULTANT | SUBMIT SHOP DRAWINGS, SHOWN FOR REFERENCE/PER SEPARATE PERMIT |
| S-13 | POOL SAFETY RACK | D | L2.404 | TUBULAR STEEL | BLACK, SEMI GLOSSY | N/A | SUBMIT METAL RAL OR PAINT COLOR CHIP |
| S-14 | BIKE RACKS | C | L2.405 | BRBS-103 - CYCLE SENTRY | POWDER COATED BLACK | VICTOR STANLEY | SUBMIT PRODUCT SPECIFICATION SHEET https://victorstanley.com/product/brbs-103/ |
| S-15 | TRASH AND RECYCLING RECEPTACLE | D | L2.405 | SDC-36 SIDE DEPOSIT RECEPTACLE - LABELED TRASH RECEPTACLE SDC-36 SIDE DEPOSIT RECEPTACLE - LABELED RECYCLE RECEPTACLE SDC-36 SIDE DEPOSIT RECEPTACLE - LABELED ORGANICS RECEPTACLE | POWDER COATED BLACK, GLOSSY FINISH POWDER COATED BLUE, GLOSSY FINISH POWDER COATED GREEN, GLOSSY FINISH | VICTOR STANLEY VICTOR STANLEY VICTOR STANLEY | SUBMIT PRODUCT SPECIFICATION SHEET https://victorstanley.com/product/sdc-36/ SUBMIT PRODUCT SPECIFICATION SHEET https://victorstanley.com/product/sdc-36/ SUBMIT PRODUCT SPECIFICATION SHEET https://victorstanley.com/product/sdc-36/ |
| S-16 | TRASH ENCLOSURE WITH RECYCLING | N/A | N/A | BY ARCHITECT | BY ARCHITECT | BY ARCHITECT | SHOWN FOR REFERENCE/PER SEPARATE PERMIT |
| S-17 | POOL DECK WASH DOWN HOSE BIB | E | L2.402 | COPPER PIPE, TUBE STEEL POST CLADED IN WOOD | DARK STAIN FOR WOOD BLACK, SEMI GLOSSY | PENDING | N/A |
| S-18 | ADA HANDICAPPED PARKING SIGNAGE | N/A | N/A | PER CIVIL | PER CIVIL | PER CIVIL | SHOWN FOR REFERENCE/PER SEPARATE PERMIT |
| S-19 | JUNCTION BOX | PER POOL ENG | PER POOL ENG | BY POOL/SPA ENGINEER | BY POOL/SPA ENGINEER | AQUATIC TECHNOLOGIES | SHOWN FOR REFERENCE/PER SEPARATE PERMIT |
| S-20 | NO SMOKING SIGN LOCATION | A | L2.403 | BY SIGNAGE CONSULTANT | BY SIGNAGE CONSULTANT | BY SIGNAGE CONSULTANT | SHOWN FOR REFERENCE/PER SEPARATE PERMIT |



PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN
8 HUGHES, SUITE 150
IRVINE, CALIFORNIA 92618
(949) 238-4900



PLAN REVISION DESCRIPTION

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SEE SHEET INDEX ON SHEET LC-002 FOR COMPLETE LIST OF DRAWINGS.

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

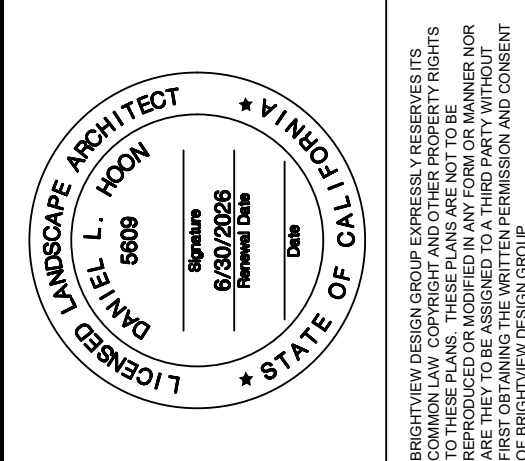
AGENCY SUBMITTAL #2

| PLAN SET | ISSUE DATE | PROJECT STATUS LOG |
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| A | 06/28/2023 | AGENCY SUBMITTAL #1 |
| B | 09/06/2023 | PLANNING SUBMITTAL #2 |

BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012

CONSTRUCTION LEGEND

SHEET NUMBER
LC-002



| PLAN REVISION DESCRIPTION |
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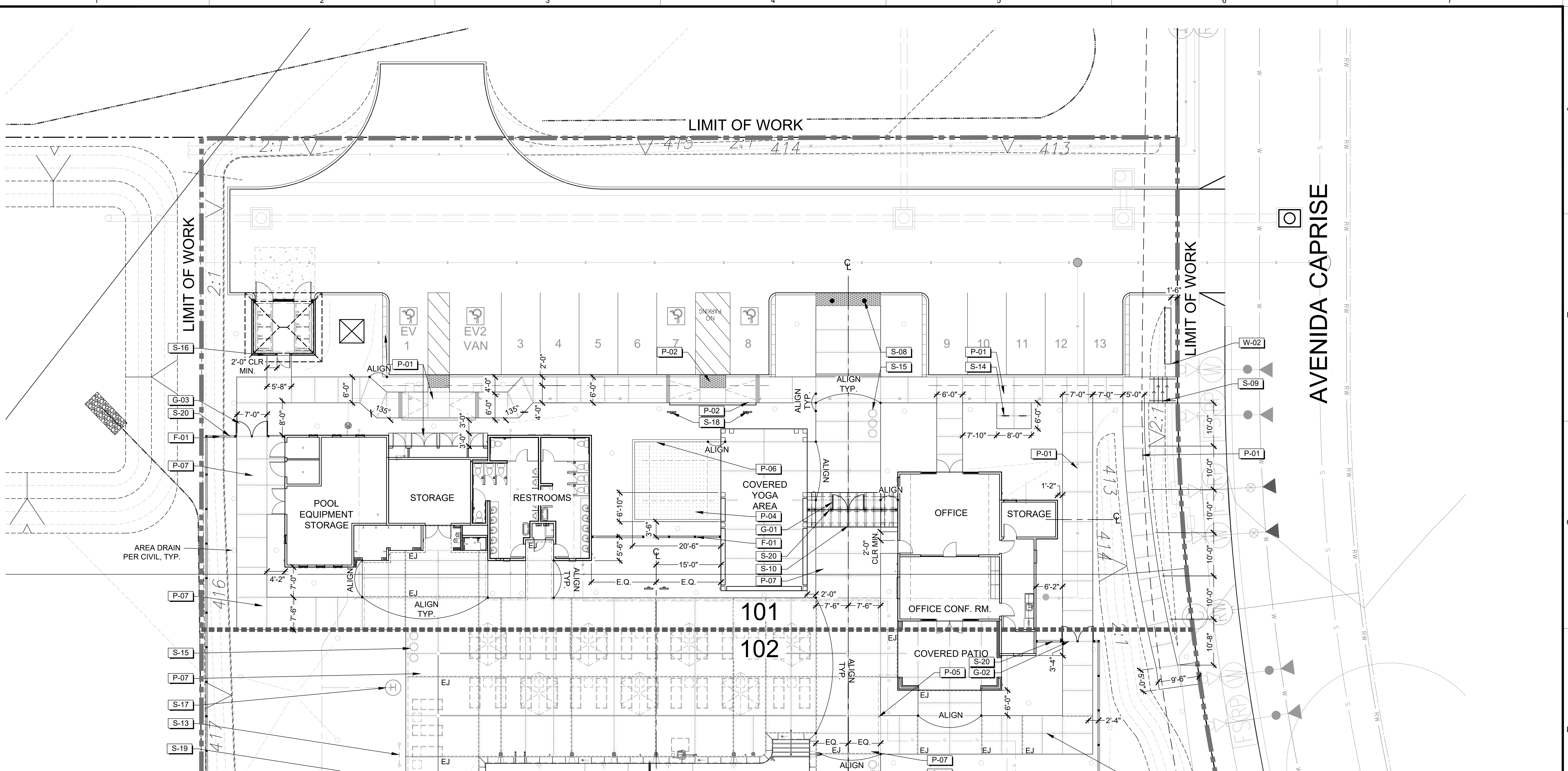


HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

AGENCY SUBMITTAL #2

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| BVDG JOB NUMBER: | 1730912 |
| DRAWN BY: | HW/BT |
| PLAN CHECK NO: | GR23-0012 |
| CONSTRUCTION PLANS | |
| LC-101 | |



| CONSTRUCTION LEGEND | |
|---------------------|---|
| PAVING LEGEND | |
| P-01 | PEDESTRIAN CONCRETE PAVING |
| P-02 | TRUNCATED DOMES PAVERS |
| P-03 | PRECAST CONCRETE POOL & SPA COPING AND WATERLINE TILE & DEPTH MARKERS |
| P-04 | SYNTHETIC TURF |
| P-05 | CONCRETE CUTOFF WALL AT POOL DECK |
| P-06 | CONCRETE MOWCURB |
| P-07 | CONCRETE AT POOL DECK |
| WALL LEGEND | |
| W-01 | CMU WALL WITH STUCCO FINISH |
| W-02 | PROJECT ADDRESS SIGN AND MONUMENTATION |
| FENCE LEGEND | |
| F-01 | POOL ENCLOSURE FENCE |
| GATE LEGEND | |
| G-01 | MAIN ENTRY - TUBULAR STEEL DOUBLE POOL GATE |
| G-02 | WEST ENTRY - TUBULAR STEEL SINGLE POOL GATE |
| G-03 | EAST ENTRY - TUBULAR STEEL DOUBLE GATE |

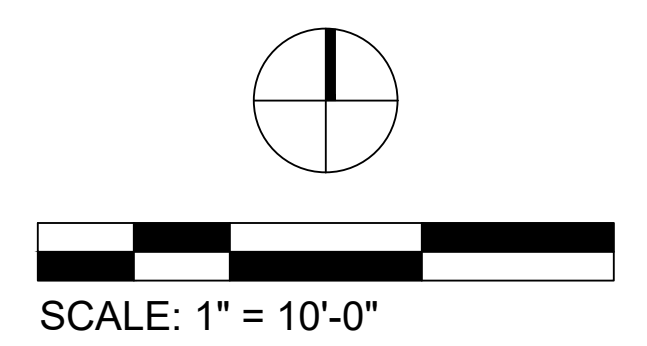
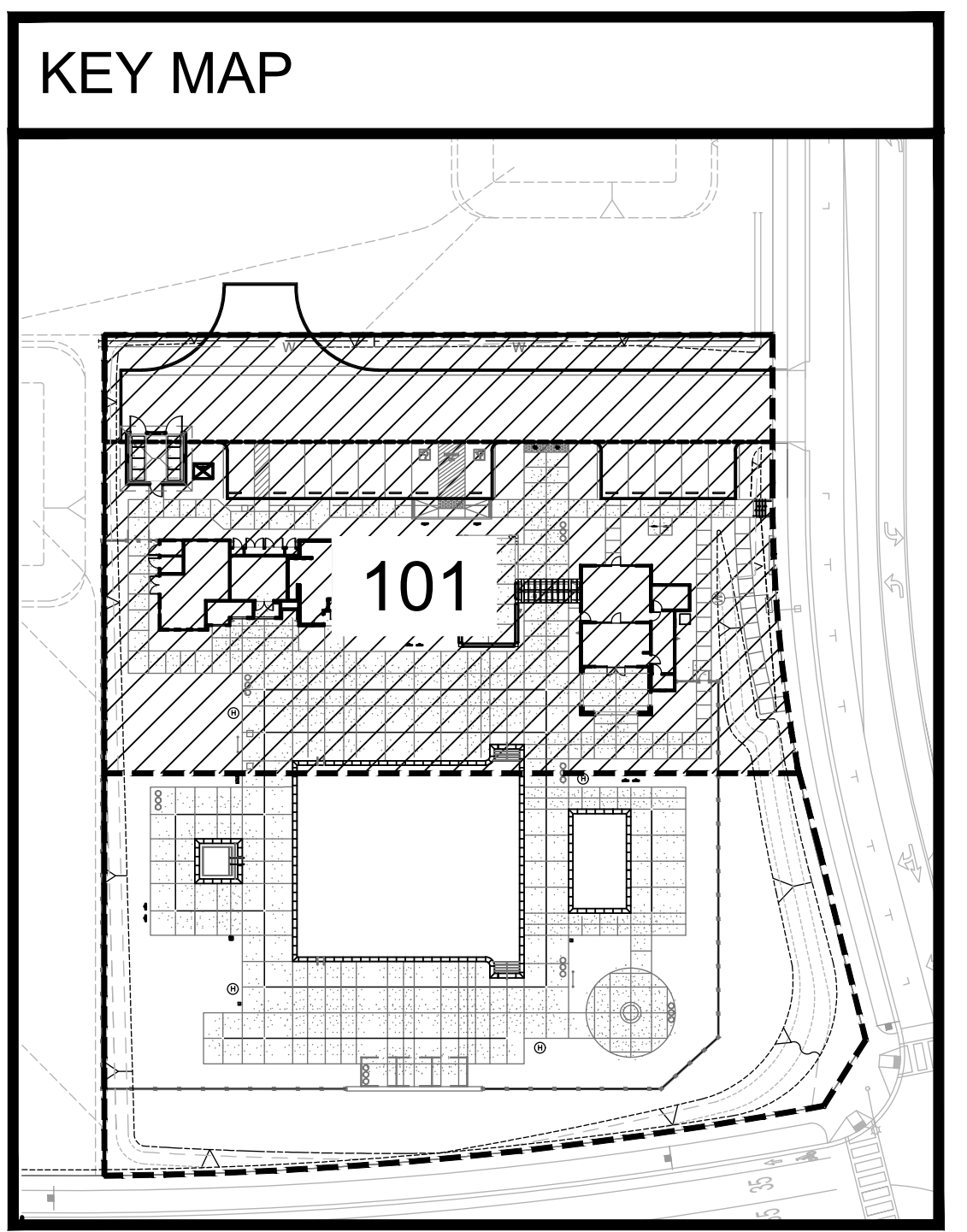
| CONSTRUCTION LEGEND | |
|---------------------|---------------------------------|
| SITE ELEMENT LEGEND | |
| S-01 | LAP POOL |
| S-02 | WADING POOL |
| S-03 | SPA |
| S-04 | CHAISE LOUNGE |
| S-05 | FIRE FEATURE |
| S-06 | OVERHEAD SHADE STRUCTURE |
| S-07 | LOUNGE CHAIR |
| S-08 | TRAFFIC BOLLARDS |
| S-09 | STAIR AND HANDRAILS |
| S-10 | SLOT DRAINS |
| S-11 | EMERGENCY SPA SHUT OFF VALVE |
| S-12 | POOL SAFETY SIGN |
| S-13 | POOL SAFETY RACK |
| S-14 | BIKE RACKS |
| S-15 | TRASH AND RECYCLING RECEPTACLE |
| S-16 | TRASH ENCLOSURE |
| S-17 | POOL DECK WASH DOWN HOSE BIB |
| S-18 | ADA HANDICAPPED PARKING SIGNAGE |
| S-19 | JUNCTION BOX |
| S-20 | NO SMOKING SIGN LOCATION |

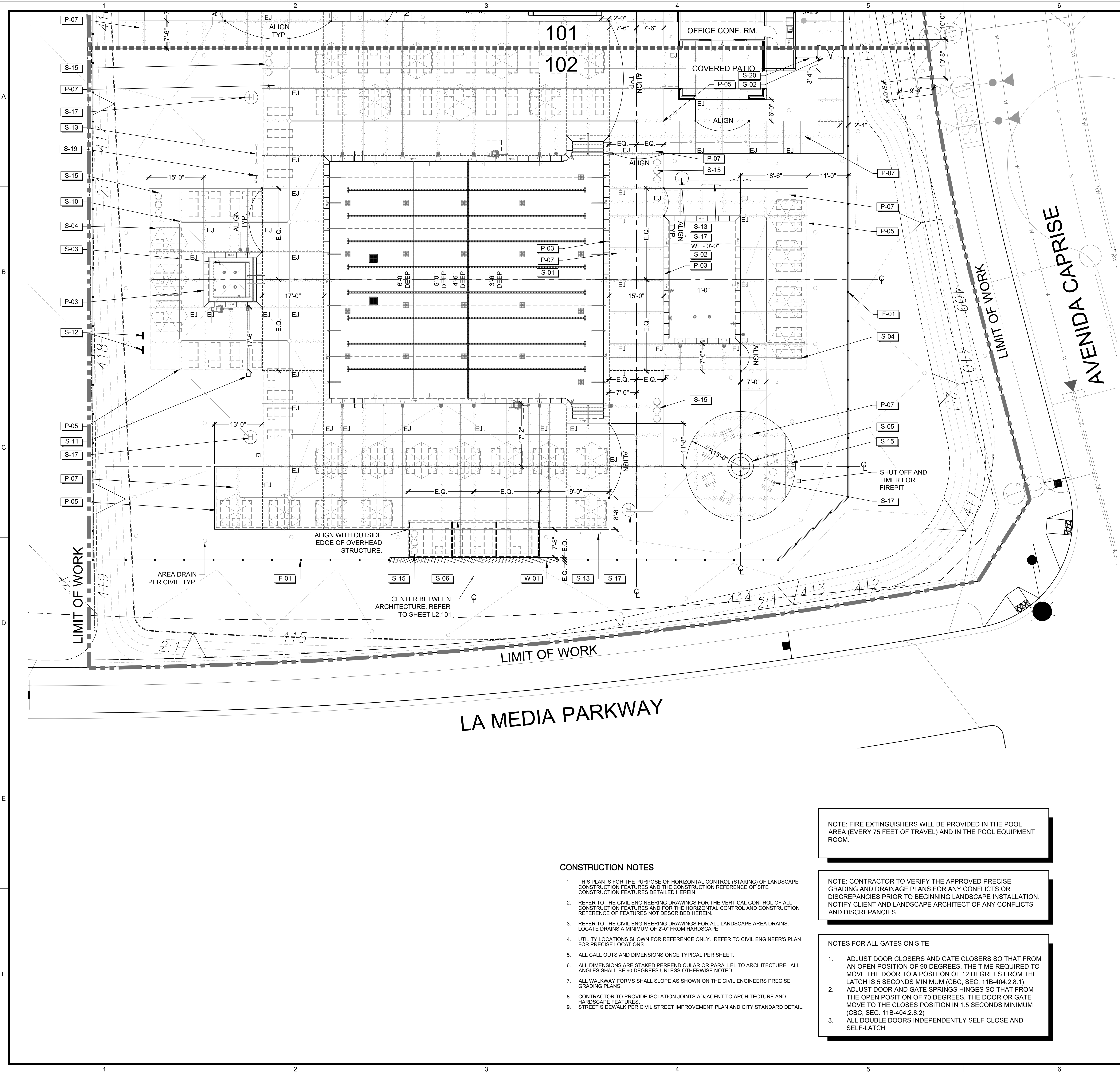
- CONSTRUCTION NOTES**
- THIS PLAN IS FOR THE PURPOSE OF HORIZONTAL CONTROL (STAKING) OF LANDSCAPE CONSTRUCTION FEATURES AND THE CONSTRUCTION REFERENCE OF SITE CONSTRUCTION FEATURES DETAIL HEREIN.
 - REFER TO THE CIVIL ENGINEERING DRAWINGS FOR THE VERTICAL CONTROL OF ALL CONSTRUCTION FEATURES AND FOR THE HORIZONTAL CONTROL AND CONSTRUCTION REFERENCE OF FEATURES NOT DESCRIBED HEREIN.
 - REFER TO THE CIVIL ENGINEERING DRAWINGS FOR ALL LANDSCAPE AREA DRAINS. LOCATE DRAINS A MINIMUM OF 2'-0" FROM HARDSCAPE.
 - UTILITY LOCATIONS SHOWN FOR REFERENCE ONLY. REFER TO CIVIL ENGINEERS' PLAN FOR PRECISE LOCATIONS.
 - ALL CALL OUTS AND DIMENSIONS ONCE TYPICAL PER SHEET.
 - ALL DIMENSIONS ARE STAKED PERPENDICULAR OR PARALLEL TO ARCHITECTURE. ALL ANGLES SHALL BE 90 DEGREES UNLESS OTHERWISE NOTED.
 - ALL WALKWAY FORMS SHALL SLOPE AS SHOWN ON THE CIVIL ENGINEERS' PRECISE GRADING PLANS.
 - CONTRACTOR TO PROVIDE ISOLATION JOINTS ADJACENT TO ARCHITECTURE AND HARDSCAPE FEATURES.
 - STREET SIDEWALK PER CIVIL STREET IMPROVEMENT PLAN AND CITY STANDARD DETAIL.

NOTE: FIRE EXTINGUISHERS WILL BE PROVIDED IN THE POOL AREA (EVERY 75 FEET OF TRAVEL) AND IN THE POOL EQUIPMENT ROOM.

NOTE: CONTRACTOR TO VERIFY THE APPROVED PRECISE GRADING AND DRAINAGE PLANS FOR ANY CONFLICTS OR DISCREPANCIES PRIOR TO BEGINNING LANDSCAPE INSTALLATION. NOTIFY CLIENT AND LANDSCAPE ARCHITECT OF ANY CONFLICTS AND DISCREPANCIES.

- NOTES FOR ALL GATES ON SITE**
- ADJUST DOOR CLOSERS AND GATE CLOSERS SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM (CBC, SEC. 11B-404.2.8.1)
 - ADJUST DOOR AND GATE SPRINGS/HINGES SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE MOVE TO THE CLOSE POSITION IN 1.5 SECONDS MINIMUM (CBC, SEC. 11B-404.2.8.2)
 - ALL DOUBLE DOORS INDEPENDENTLY SELF-CLOSE AND SELF-LATCH





CONSTRUCTION LEGEND

| PAVING LEGEND | |
|---------------------|---|
| CODE | DESCRIPTION |
| P-01 | PEDESTRIAN CONCRETE PAVING |
| P-02 | TRUNCATED DOMES PAVERS |
| P-03 | PRECAST CONCRETE POOL & SPA COPING AND WATERLINE TILE & DEPTH MARKERS |
| P-04 | SYNTHETIC TURF |
| P-05 | CONCRETE CUTOFF WALL AT POOL DECK |
| P-06 | CONCRETE MOWCURB |
| P-07 | CONCRETE AT POOL DECK |
| WALL LEGEND | |
| CODE | DESCRIPTION |
| W-01 | CMU WALL WITH STUCCO FINISH |
| W-02 | PROJECT ADDRESS SIGN AND MONUMENTATION |
| FENCE LEGEND | |
| CODE | DESCRIPTION |
| F-01 | POOL ENCLOSURE FENCE |
| GATE LEGEND | |
| CODE | DESCRIPTION |
| G-01 | MAIN ENTRY - TUBULAR STEEL DOUBLE POOL GATE |
| G-02 | WEST ENTRY - TUBULAR STEEL SINGLE POOL GATE |
| G-03 | EAST ENTRY - TUBULAR STEEL DOUBLE GATE |
| SITE ELEMENT LEGEND | |
| CODE | DESCRIPTION |
| S-01 | LAP POOL |
| S-02 | WADING POOL |
| S-03 | SPA |
| S-04 | CHAISE LOUNGE |
| S-05 | FIRE FEATURE |
| S-06 | OVERHEAD SHADE STRUCTURE |
| S-07 | LOUNGE CHAIR |
| S-08 | TRAFFIC BOLLARDS |
| S-09 | STAIR AND HANDRAILS |
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| S-18 | ADA HANDICAPPED PARKING SIGNAGE |
| S-19 | JUNCTION BOX |
| S-20 | NO SMOKING SIGN LOCATION |

BrightView
Design Group

PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

8 HUGHES, SUITE 150
IRVINE, CALIFORNIA 92618
(949) 238-4900

LANDSCAPE ARCHITECT
L. BOON
2008
STATE OF CALIFORNIA
CREDENTIAL # 10000

PLAN REVISION DESCRIPTION

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811
Know what's below.
Call 811 before you dig.

SEEKS TO OBTAIN SHEET INDEX ON SHEET TO DETERMINE COMPLETE LIST OF DRAWINGS.

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

AGENCY SUBMITTAL #2

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BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012

CONSTRUCTION PLANS

SHEET NUMBER
LC-102

AGENCY SUBMITTAL #2

CONSTRUCTION NOTES

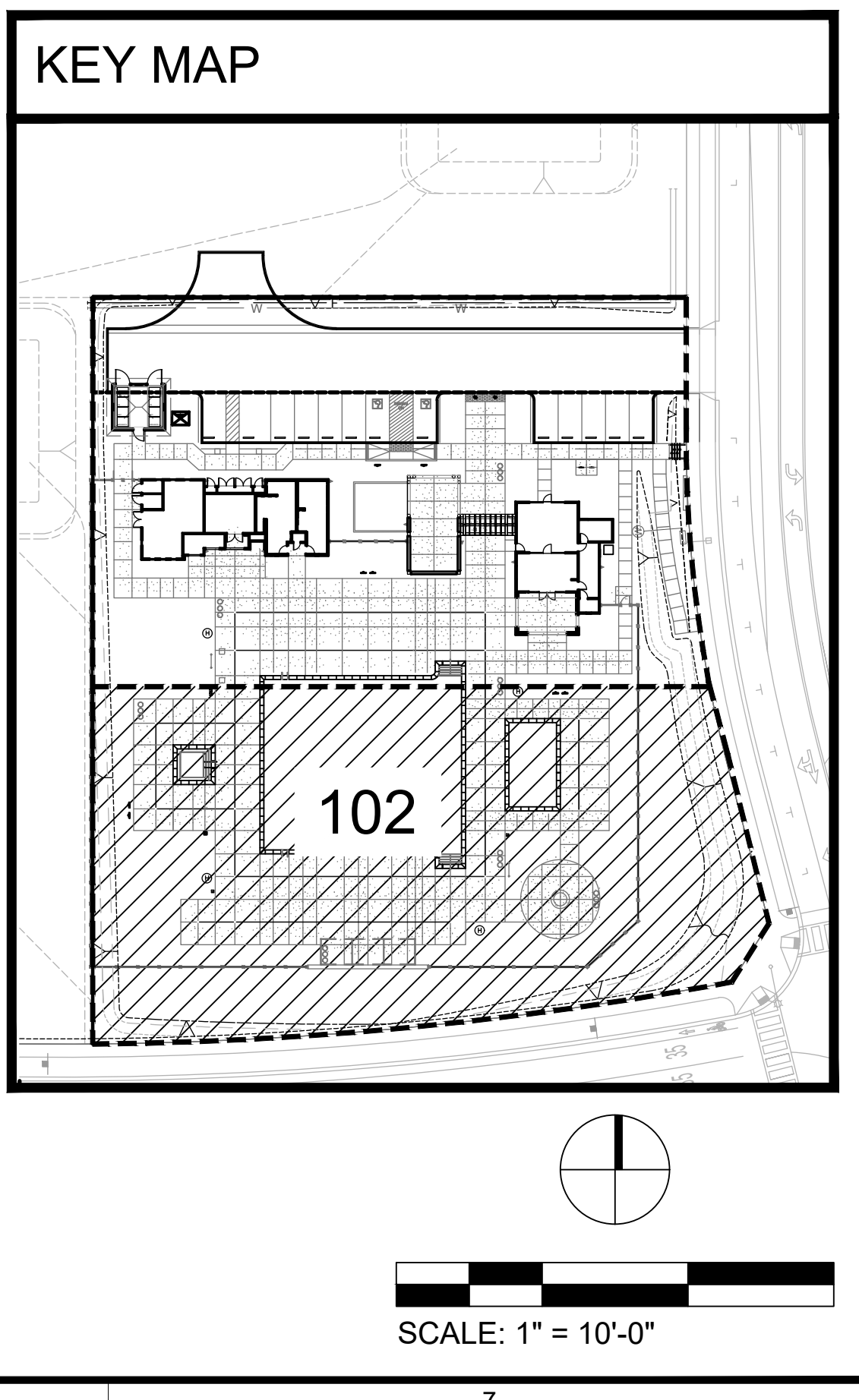
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- ALL CALL OUTS AND DIMENSIONS ONCE TYPICAL PER SHEET.
- ALL DIMENSIONS ARE STAKED PERPENDICULAR OR PARALLEL TO ARCHITECTURE. ALL ANGLES SHALL BE 90 DEGREES UNLESS OTHERWISE NOTED.
- ALL WALKWAY FORMS SHALL SLOPE AS SHOWN ON THE CIVIL ENGINEERS PRECISE GRADING PLANS.
- CONTRACTOR TO PROVIDE ISOLATION JOINTS ADJACENT TO ARCHITECTURE AND HARDSCAPE FEATURES.
- STREET SIDEWALK PER CIVIL STREET IMPROVEMENT PLAN AND CITY STANDARD DETAIL.

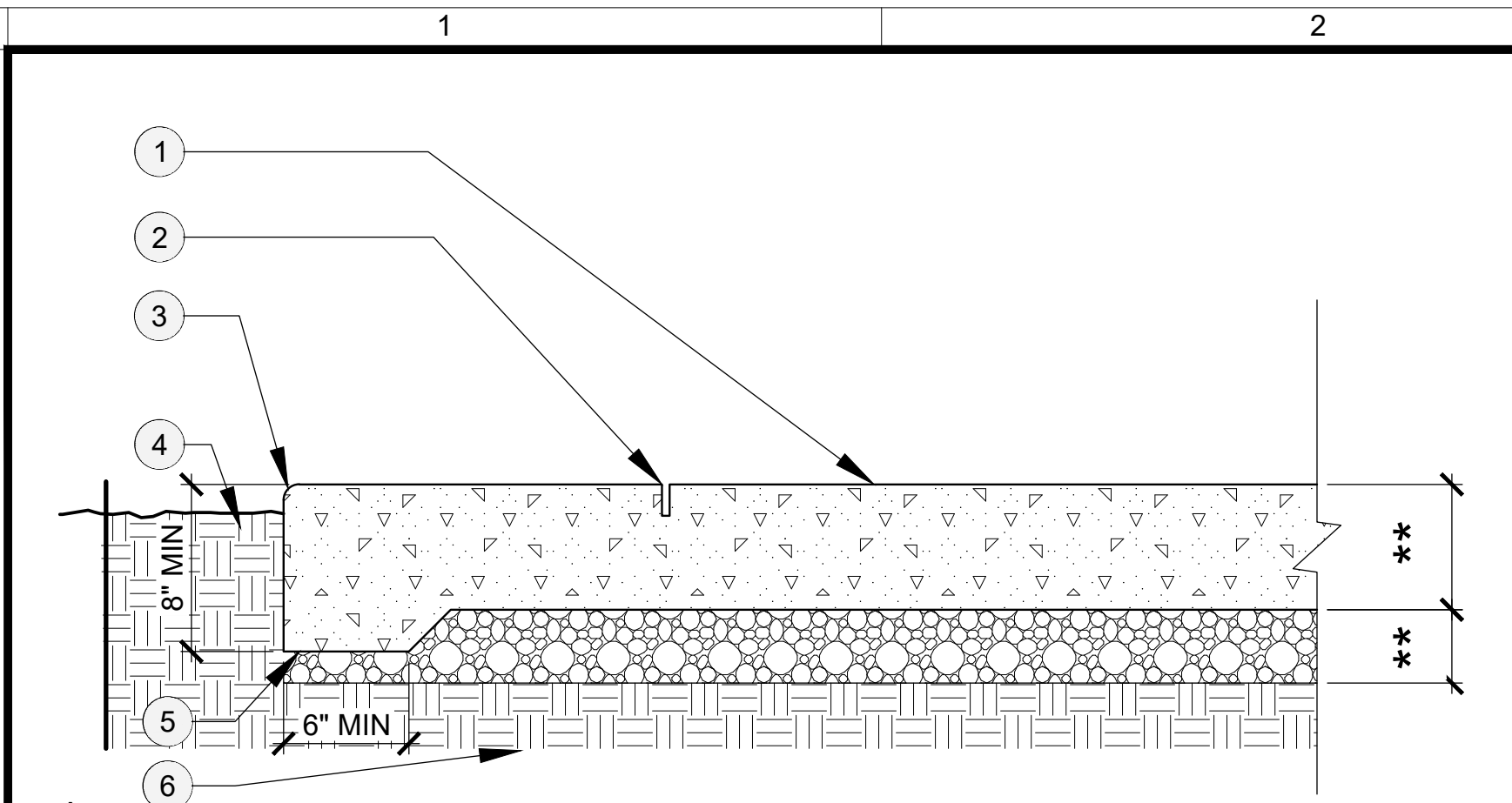
NOTE: FIRE EXTINGUISHERS WILL BE PROVIDED IN THE POOL AREA (EVERY 75 FEET OF TRAVEL) AND IN THE POOL EQUIPMENT ROOM.

NOTE: CONTRACTOR TO VERIFY THE APPROVED PRECISE GRADING AND DRAINAGE PLANS FOR ANY CONFLICTS OR DISCREPANCIES PRIOR TO BEGINNING LANDSCAPE INSTALLATION. NOTIFY CLIENT AND LANDSCAPE ARCHITECT OF ANY CONFLICTS AND DISCREPANCIES.

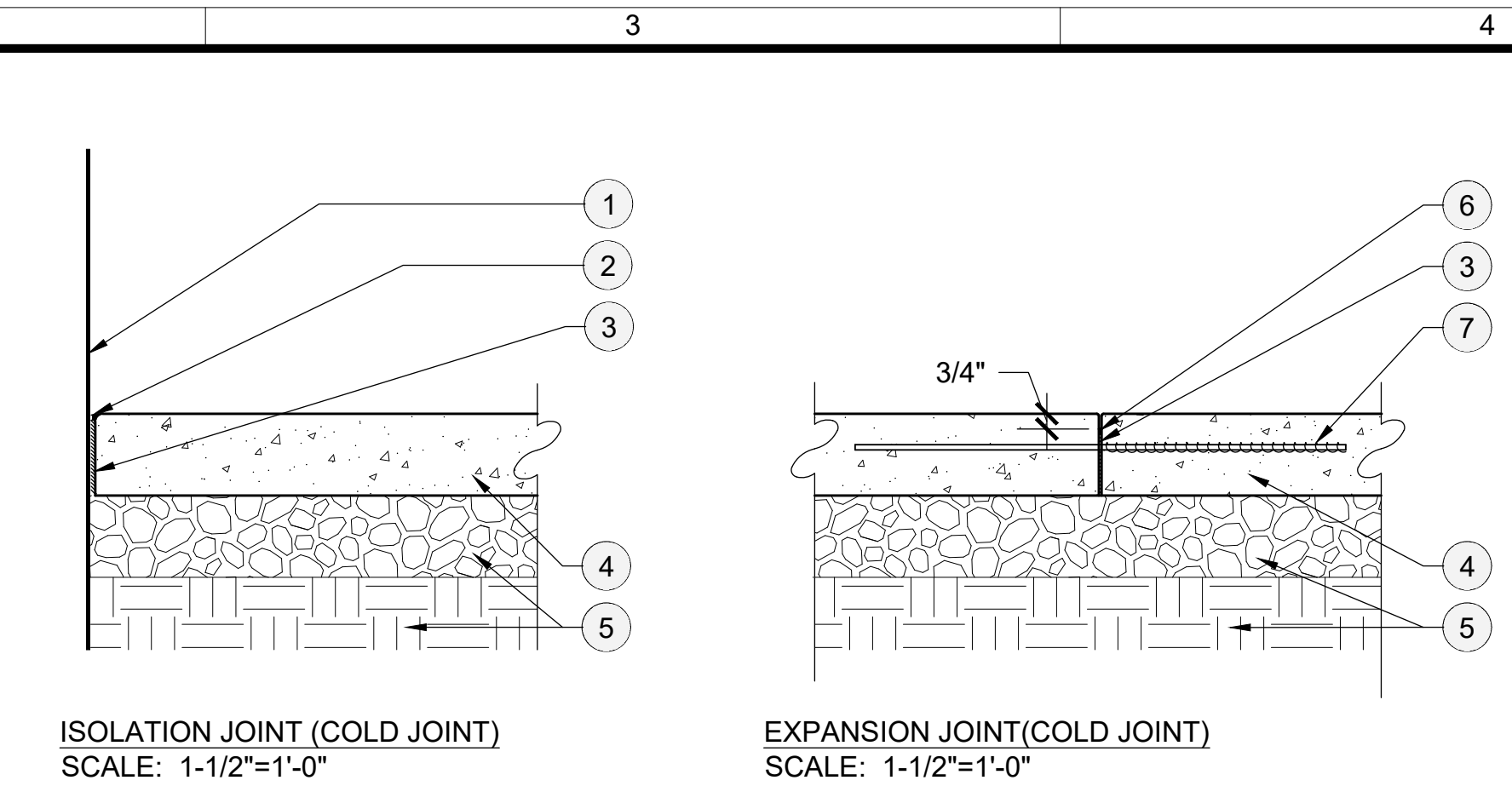
NOTES FOR ALL GATES ON SITE

- ADJUST DOOR CLOSERS AND GATE CLOSERS SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM (CBC, SEC. 11B-404.2.8.1)
- ADJUST DOOR AND GATE SPRINGS HINGES SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR OR GATE MOVE TO THE CLOSES POSITION IN 1.5 SECONDS MINIMUM (CBC, SEC. 11B-404.2.8.2)
- ALL DOUBLE DOORS INDEPENDENTLY SELF-CLOSE AND SELF-LATCH



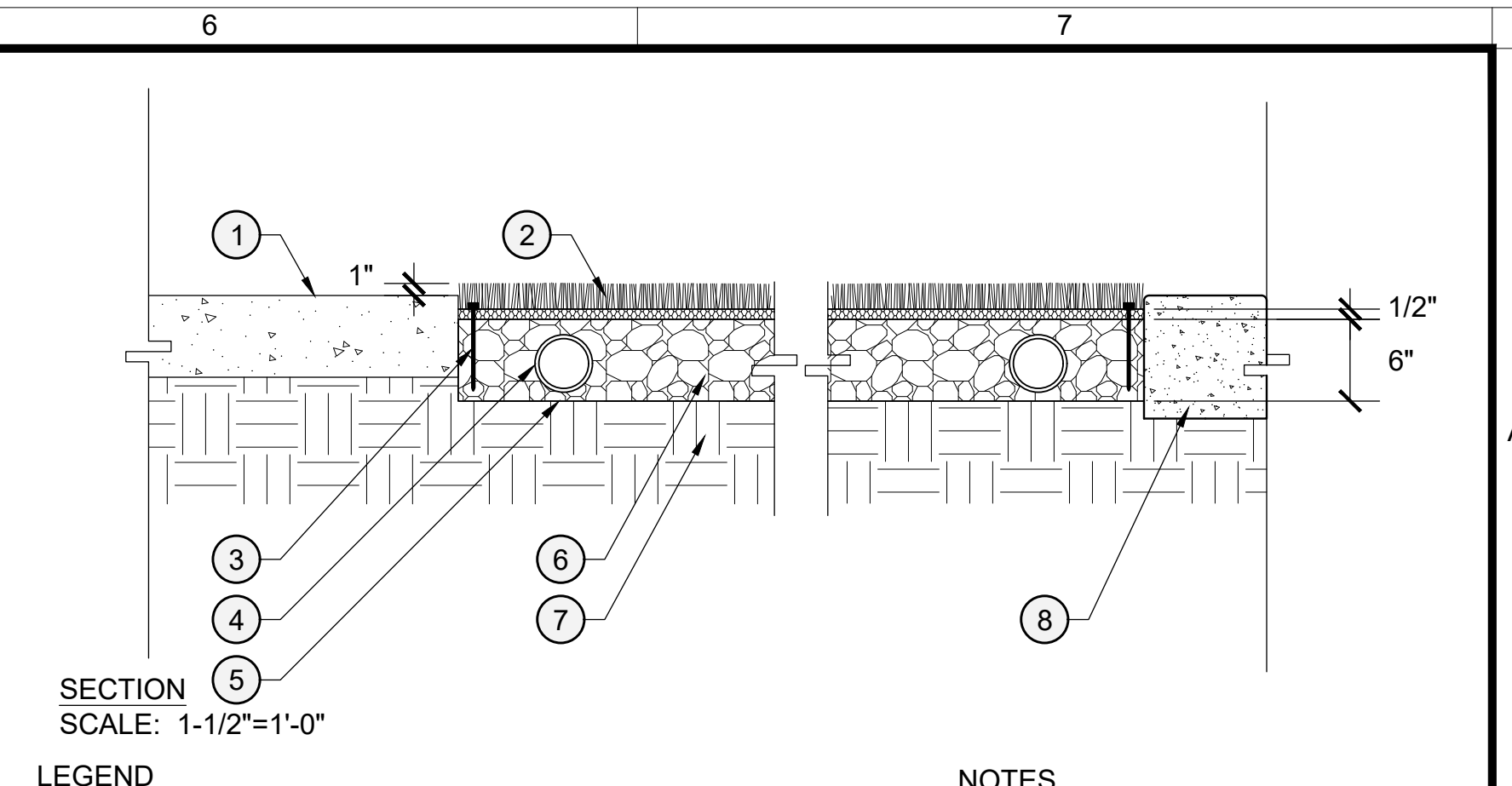


- LEGEND**
- CONCRETE PAVING; POUR AGAINST FIRM COMPACT SOIL
 - SCORE JOINT; REFER TO TYPICAL SCORE JOINT DETAIL
 - APPLY 1/4" RADIUS NOSE ALL EXPOSED EDGES CONTINUOUS, TYPICAL
 - FINISH GRADE, 2" @ P.A. AND 1" @ TURF AREAS, TYP.
 - THICKENED EDGE OF CONCRETE AT ALL PLANTER EDGES PER GEOTECH REPORT
 - COMPACTED BASE/ NATIVE SOIL AND/ OR RECOMPACTED SUB GRADE MATERIAL
- NOTES**
- (**) REFER TO THE GEOTECHNICAL REPORT AND CIVIL ENG. PLANS FOR THICKNESS, SUB GRADE BASE AND STRUCTURAL RECOMMENDATIONS. LANDSCAPE CONSTRUCTION PLANS AND DETAILS REFERENCE DESIGN INTENT ONLY (IE. SCORING). REFER TO THE CONSTRUCTION LEGEND FOR MATERIALS, COLORS AND FINISHES.
 - POUR CONCRETE AGAINST FIRM UNDISTURBED SOIL OR PROPERLY COMPACTED FILL AND SOIL. PRE-SATURATION PER GEOTECHNICAL REPORT.
 - FINISH GRADE IN "PA" EDGE FROM PAVING SHALL BE 2" BELOW WHEN DEEPEDED EDGE NOT SHOWN.
 - SEE LANDSCAPE CONSTRUCTION PLANS FOR SCORE JOINT LAYOUT AND SEPARATE DETAIL FOR SPECIFIC CONCRETE JOINTS.



- LEGEND**
- HARDSCAPE VERTICAL SURFACE
 - 1/4" WIDE POLYURETHANE JOINT FILLER AND 2-PART POLYETHYLENE SEALANT TOPPED WITH SILICA 60 SAND
 - 1/2" THICK ASPHALTIC FELT/ "ISO-STRIP-OFF" OR APPROVED EQUAL
 - CONCRETE PAVING, SEE SEPARATE DETAIL AND GEOTECHNICAL REPORT
 - COMPACTED BASE / RECOMPACTED SUB GRADE/ NATIVE SOIL PER GEOTECHNICAL REPORT
 - 1/2" TOOLED AND/ OR 3/8" WIDE SAW-CUT JOINT, 1/3 THE THICKNESS OF PAVING
 - #3 BAR X 12" LENGTH DOWEL AT 16" ON CENTER; CONFIRM AND COMPLY WITH ALL GEOTECHNICAL SOILS REPORT RECOMMENDATIONS
 - TOOLED EDGE TO BE FOLLOWED WITH A 3/8" SAWCUT SCORE JOINT, 1/3 DEPTH OF SLAB
 - COMPRESSIVE POLYURETHANE JOINT SEALANT
- CONCRETE SCORING / JOINT NOTES:**
THE JOINTS GRAPHICALLY SHOWN ON THIS PLAN INCLUDE ALL THREE TYPES OF JOINTS DESCRIBED BELOW:
- EXPANSION JOINTS** - THESE JOINTS SHALL BE PLACED AT THE JUNCTURE OF TWO DIFFERENT PAVING TYPES. ADDITIONALLY, THIS JOINT WILL OCCUR WITHIN A SINGULAR PAVING TYPE AT THE LIMITS OF A CONCRETE POUR. THESE JOINTS REQUIRE DOWELS.
 - ISOLATION JOINTS** - THESE JOINTS SEPARATE THE CONCRETE PAVEMENT FROM FIXED VERTICAL OBJECTS OR STRUCTURES. THESE FEATURES SUCH AS BUILDINGS, WALLS, COLUMNS, EMBEDDED SITE FURNISHINGS; LIGHT FIXTURES; STEPS AND ALL OTHER FIXED OBSTRUCTIONS.
 - SCORE JOINTS** - THESE JOINTS ARE TO BE SAWCUT OR TOOLED AS NOTED ON PLANS AND CONSTRUCTION LEGEND. TOOLED JOINTS TO BE 1/2" RADIUS. SAWCUT JOINTS TO BE 3/8" WIDE. JOINT TO REMAIN CONSTANT AND A MINIMUM DEPTH OF 1/3 THE THICKNESS OF THE CONCRETE SLAB.

- LEGEND**
- ADJACENT PAVING PER SEPARATE DETAIL.
 - ARTIFICIAL TURF, INFILL WITH CLEAN WASHED SILICA SAND.
 - 3" LONG 16D GALVANIZED COMMON NAIL, INSTALL AT PERIMETER OF TURF AT 2" O.C.
 - 4" PERFORATED DRAIN PIPE, WRAPPED IN FILTER FABRIC, REFER TO CIVIL ENG.'S PLANS.
 - FILTER FABRIC, MIRAFI OR APPROVED EQUAL.
 - CLASS II AGGREGATE BASE, COMPACTED TO 95%.
 - SUBGRADE COMPACTED 95% TO MIN. 12" DEPTH.
 - NATURAL GREY CONCRETE CURB

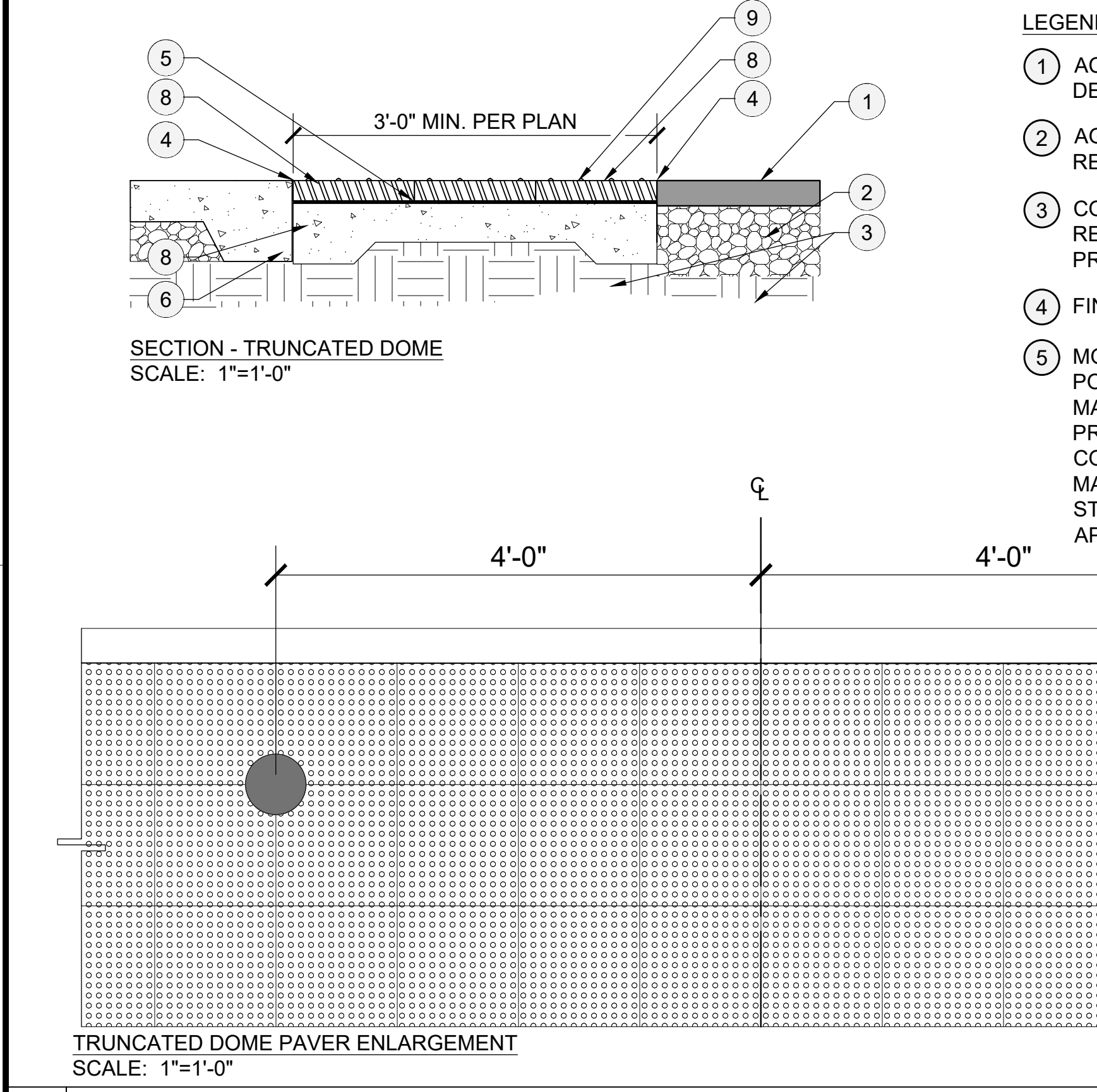


- LEGEND**
- ADJACENT PAVING PER SEPARATE DETAIL.
 - ARTIFICIAL TURF, INFILL WITH CLEAN WASHED SILICA SAND.
 - 3" LONG 16D GALVANIZED COMMON NAIL, INSTALL AT PERIMETER OF TURF AT 2" O.C.
 - 4" PERFORATED DRAIN PIPE, WRAPPED IN FILTER FABRIC, REFER TO CIVIL ENG.'S PLANS.
 - FILTER FABRIC, MIRAFI OR APPROVED EQUAL.
 - CLASS II AGGREGATE BASE, COMPACTED TO 95%.
 - SUBGRADE COMPACTED 95% TO MIN. 12" DEPTH.
 - NATURAL GREY CONCRETE CURB
- NOTES**
- INSTALL ARTIFICIAL TURF PER MANUFACTURER'S RECOMMENDATIONS.
 - REFER TO CONSTRUCTION LEGEND FOR MATERIALS AND SPECIFICATIONS.

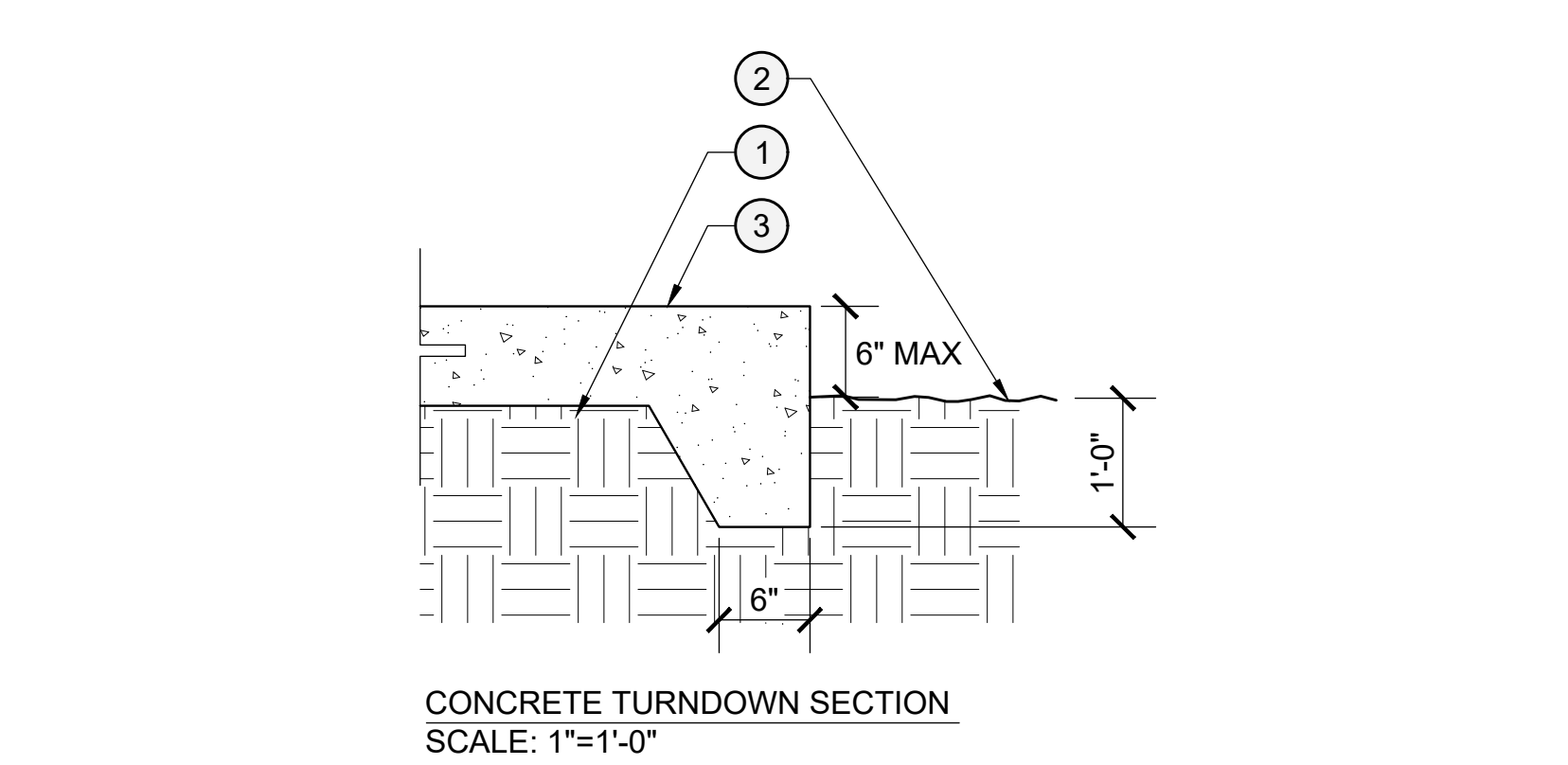
A CONCRETE PAVING

B CONCRETE JOINTS

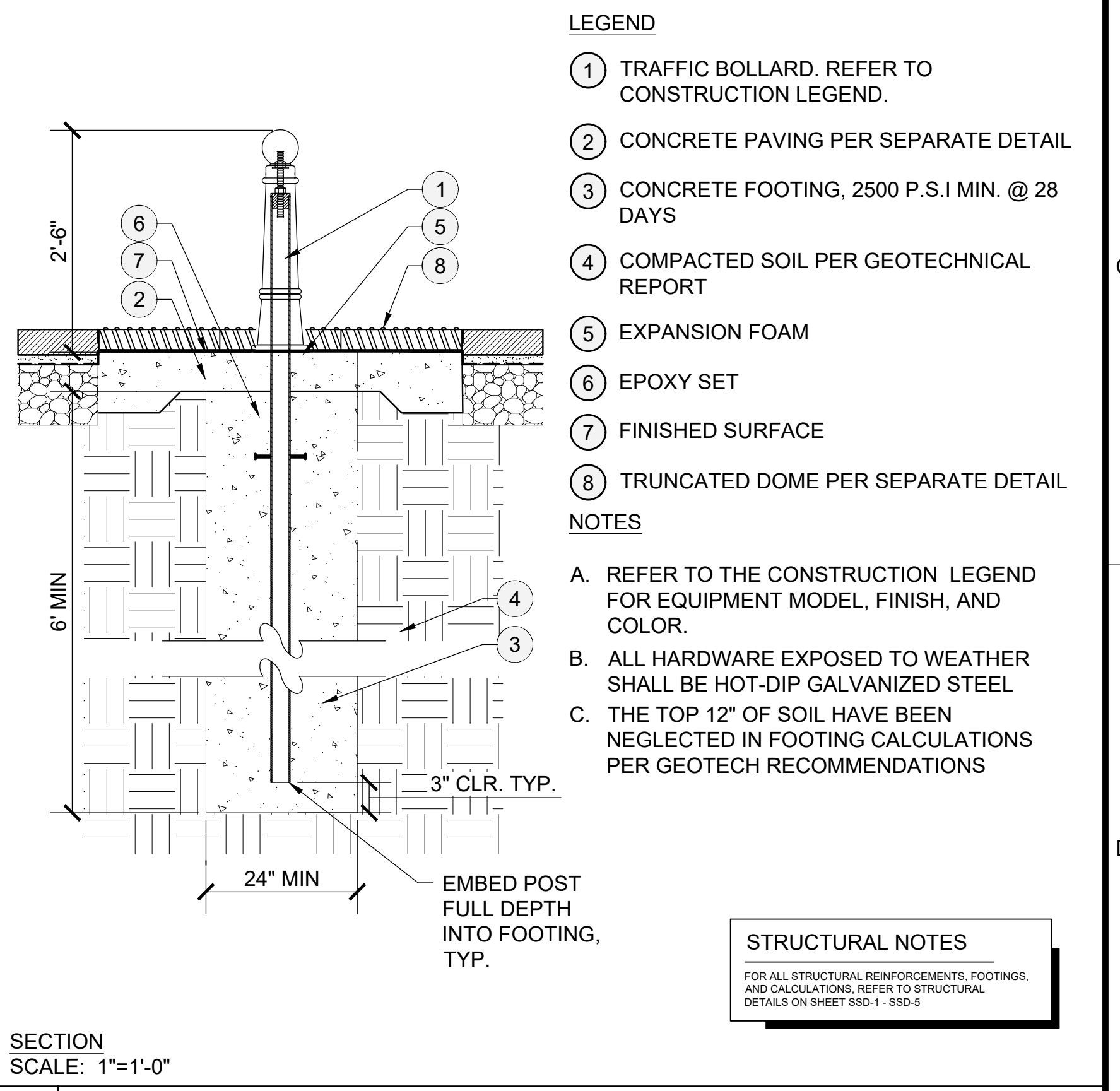
C SYNTHETIC TURF



- LEGEND**
- AC PAVING PER CIVIL ENGINEER PLANS AND DETAIL
 - AGGREGATE BASE PER GEOTECH RECOMMENDATION IF REQUIRED
 - COMPACTED SUBGRADE PER GEOTECHNICAL REPORT. SUBGRADE SOILS TO BE PRESATURATED PER GEOTECHNICAL REPORT.
 - FINISH SURFACE TO JOIN FLUSH
 - MORTAR BED ON CONC. BASE USING LATEX OR POLY MODIFIED MORTAR, THICKNESS PER MANUFACTURER RECOMMENDATION (TO PREVENT EFFLORESCENCE) AND SLURRY BOND COAT IF REQ' BY MANUFACTURE. INSTALL PER MANUF.'S RECOMMENDATIONS. MUST MEET ALL STRUCTURAL REQ.' SUBMIT TO LAND. ARCH. FOR APPROVAL.
 - ADJACENT CONCRETE PAVING WHERE OCCURS PER SEPARATE DETAIL
 - POURED IN PLACE CONCRETE BASE. REINFORCEMENT PER STRUCTURAL ENGINEER.
 - TRUNCATED DOMES PAVER, MORTARED IN PLACE. REFER TO CONSTRUCTION LEGEND FOR SPECIFICATION
 - CONTRACTOR TO VERIFY PAVER THICKNESS PRIOR TO INSTALLING CONCRETE LOW POUR.
 - PARK CONCRETE CURB
- NOTES**
- POUR CONC. AGAINST FIRM UNDISTURBED SOIL OR PROPERLY COMPACTED FILL PER GEOTECHNICAL REPORT.
 - JOINT SAND FILL MATERIAL (ASTM C114), COLOR TO MATCH PAVER. CONTRACTOR TO PROVIDE SAMPLE FOR APPROVAL.
 - SEALER SHALL BE BP PRO JOINT STABILIZER SEALER (ENHANCED); SUREBOND SB 1300 AVAILABLE FROM ORCO BLOCK.
 - CONCRETE THICKNESS, STRENGTH, AND REINFORCEMENT PER STRUCTURAL ENGINEER'S PLANS AND DETAILS
 - STAGGER PAVING PATTERN BY ROW IF NEEDED FOR TIGHT FIT



- LEGEND**
- COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
 - ADJACENT FINISH GRADE PER CIVIL ENGINEERS PLANS
 - CONCRETE PAVING PER SEPARATE DETAIL
- NOTES**
- POUR CONC. AGAINST FIRM UNDISTURBED SOIL OR PROPERLY COMPACTED FILL PER GEOTECHNICAL REPORT.
 - PROVIDE TURN DOWN EDGE AT BUILDING FLATWORK EDGES AS NEEDED.

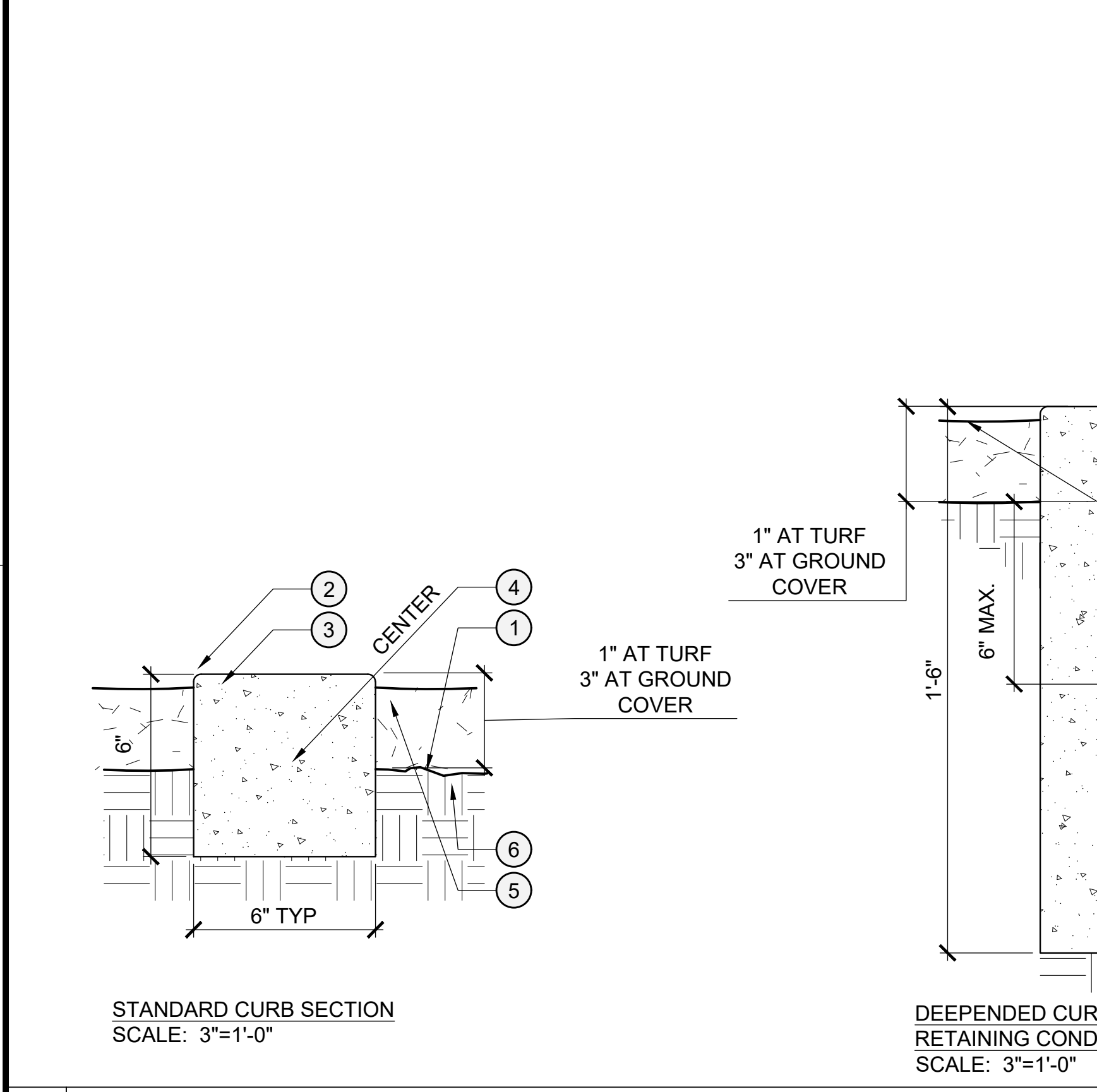


- LEGEND**
- TRAFFIC BOLLARD, REFER TO CONSTRUCTION LEGEND.
 - CONCRETE PAVING PER SEPARATE DETAIL
 - CONCRETE FOOTING, 2500 P.S.I. MIN. @ 28 DAYS
 - COMPACTED SOIL PER GEOTECHNICAL REPORT
 - EXPANSION FOAM
 - EPOXY SET
 - FINISHED SURFACE
 - TRUNCATED DOME PER SEPARATE DETAIL
- NOTES**
- REFER TO THE CONSTRUCTION LEGEND FOR EQUIPMENT MODEL, FINISH, AND COLOR.
 - ALL HARDWARE EXPOSED TO WEATHER SHALL BE HOT-DIP GALVANIZED STEEL
 - THE TOP 12" OF SOIL HAVE BEEN NEGLECTED IN FOOTING CALCULATIONS PER GEOTECH RECOMMENDATIONS
- STRUCTURAL NOTES**
- FOR ALL STRUCTURAL REINFORCEMENTS, FOOTINGS, AND CALCULATIONS, REFER TO STRUCTURAL DETAILS ON SHEET SDC-1 - SDC-8

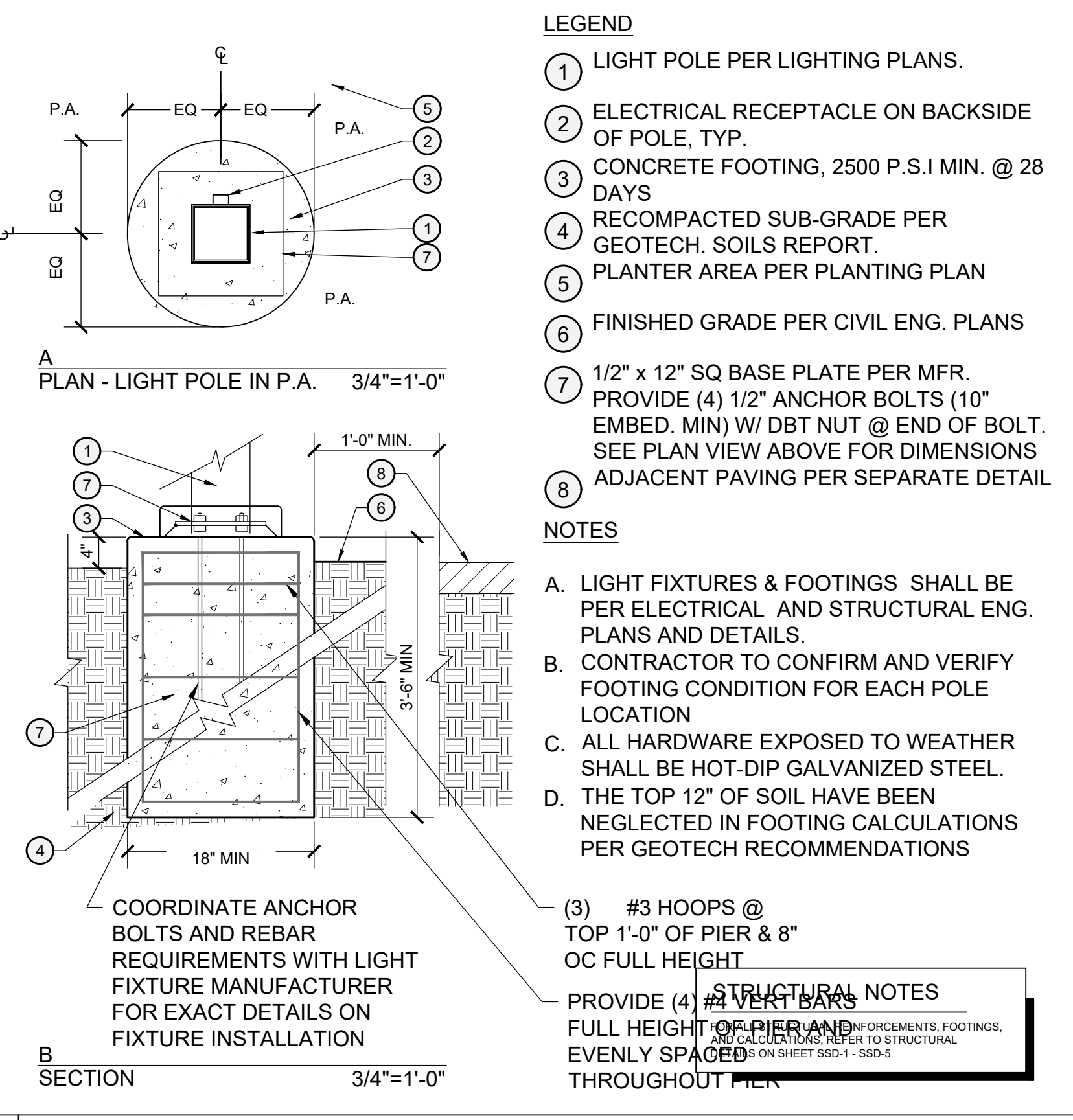
D TRUNCATED DOME PAVERS

E CONCRETE TURNDOWN

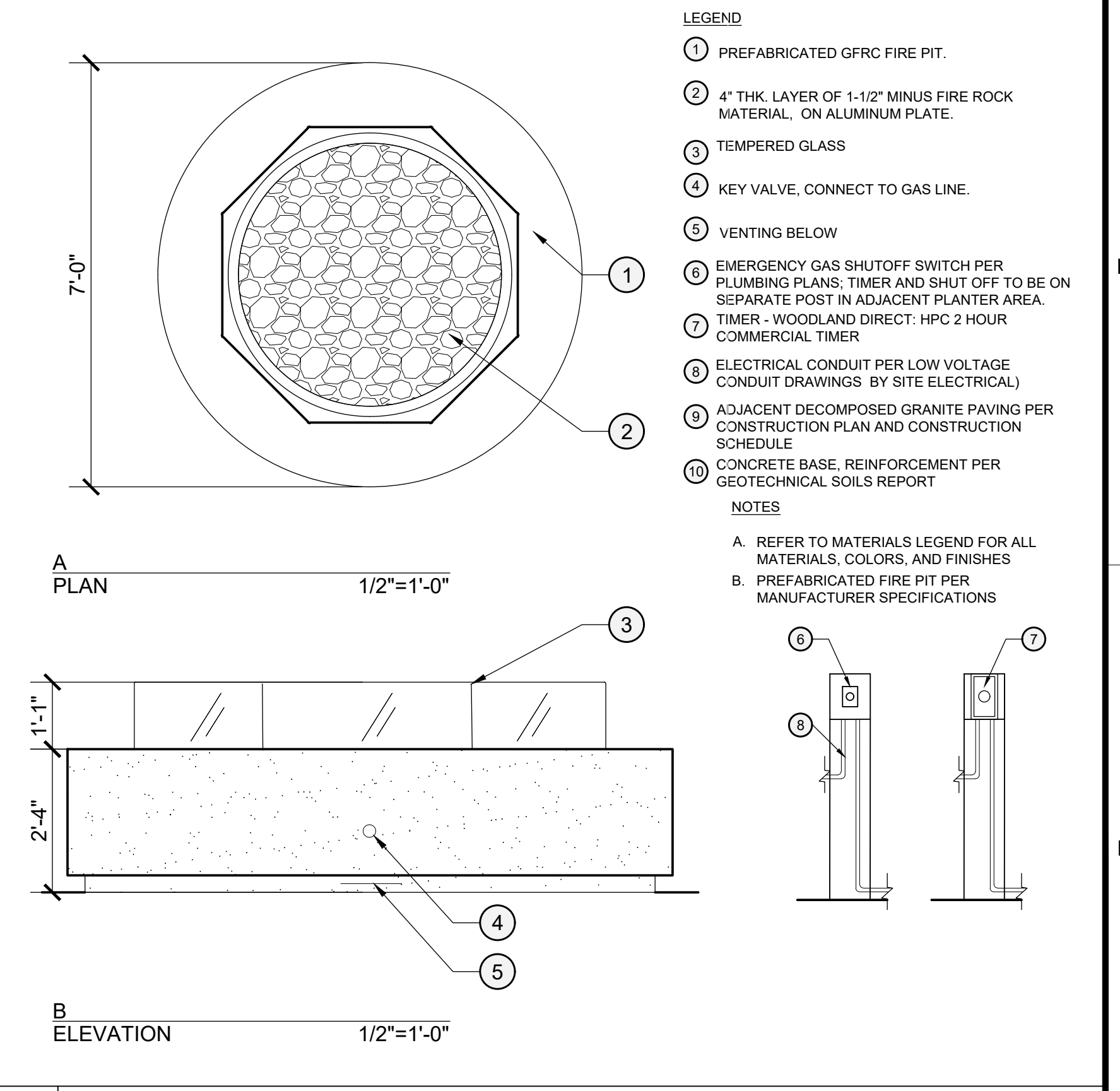
F TRAFFIC BOLLARD



- LEGEND**
- FINISH GRADE PER CIVIL PLANS. 1" @ TURF AREAS AND 3" @ G.C., TYP.
 - APPLY 1/4" RADIUS NOSE ALL EXPOSED EDGES CONT. TYP.
 - NATURAL GREY CONC. MOW STRIP FINISH TO MATCH CONCRETE WALK PER CONST. PLAN, 2,500 P.S.I. @ 28 DAYS.
 - REINFORCEMENT PER STRUCTURAL ENGINEER.
 - TOP OF MULCH OR GRASS
 - COMPACTED SUBGRADE PER GEOTECHNICAL REPORT.
- NOTES**
- PROVIDE SCORE JOINTS AT 4'-0" O.C. MAX. SPACING AND EXPANSION JOINTS @ 20'-0" O.C. MAX. SPACING AND AT ALL CHANGES IN DIRECTION.
 - JOIN ALL OTHER PAVED SURFACES FLUSH, UNLESS NOTED OTHERWISE.



H LIGHT POLE FOOTING/BOLLARD



I FIRE FEATURE

BrightView
Design Group

PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

8 HUGHES, SUITE 150
IRVINE, CALIFORNIA 92618
(949) 238-4900

LANDSCAPE ARCHITECT
L. BOON
0609
STATE OF CALIFORNIA
C 45127

PLAN REVISION DESCRIPTION

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811
Know what's below.
Call 811 before you dig.

REFER TO THE SHEET INDEX ON SHEET LC-401 FOR A COMPLETE LIST OF DRAWINGS.

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

AGENCY SUBMITTAL #2

PROJECT STATUS LOG:

| PLAN SET | ISSUE DATE | AGENCY SUBMITTAL #1 | AGENCY SUBMITTAL #2 |
|----------|------------|---------------------|---------------------|
| A | 06/28/2023 | | |
| B | 09/06/2023 | | |

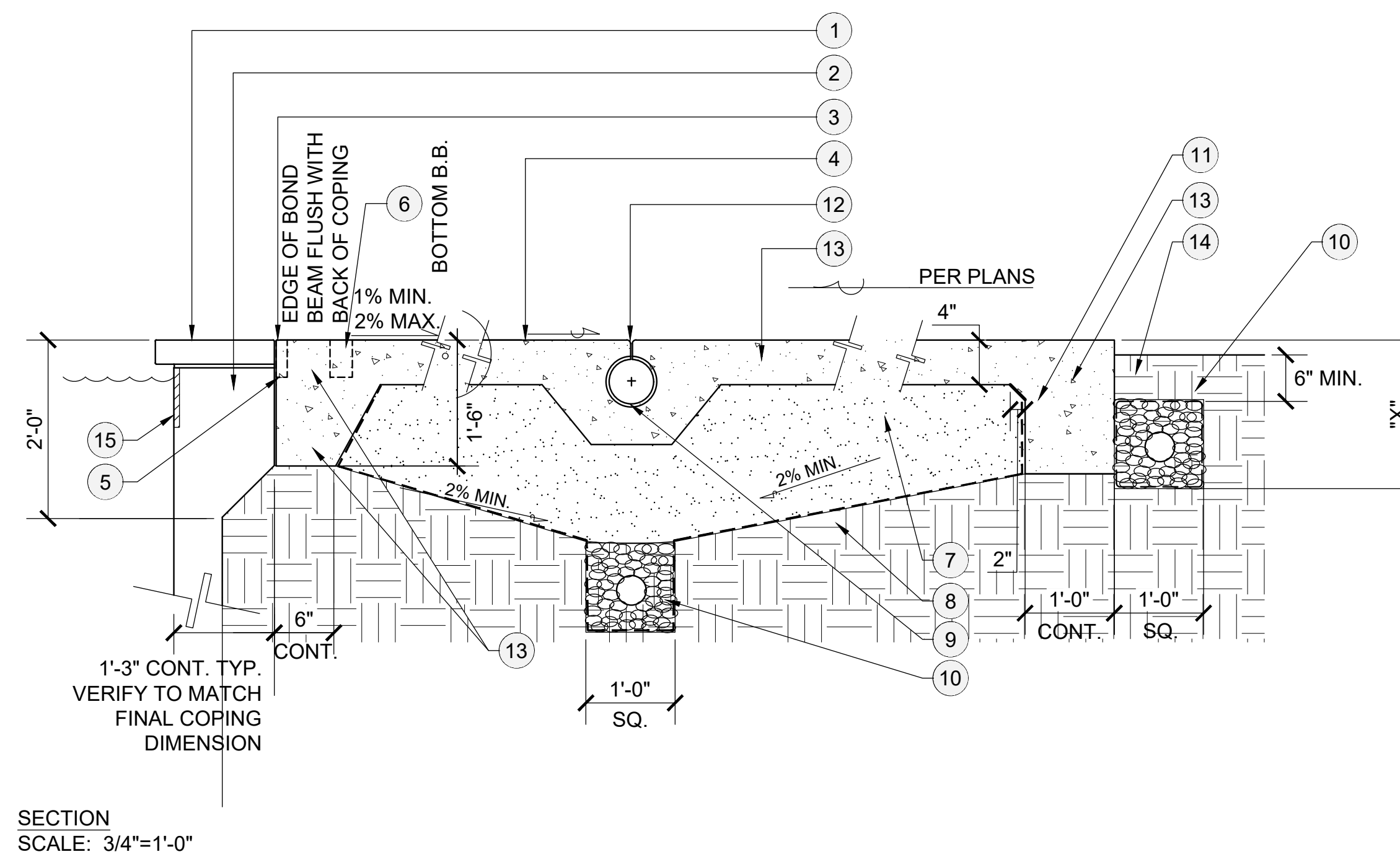
BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012

CONSTRUCTION DETAILS

SHEET NUMBER
LC-401

AGENCY SUBMITTAL #2

L:\1730912-OTAY VILLAGE 8 WEST SWIM CLUB\06-CAD\02-SHEETS\CD SET\0912-L2-401-CONSTRUCTION DETAILS.DWG



| EXPANSION POTENTIAL | MIN DEPTH OF CUT-OFF "X" | MIN THCKNS OF SAND BACKFILL | MIN OF PRESATURATION MOISTURE CONTENT |
|---------------------|--------------------------|-----------------------------|---------------------------------------|
| LOW | 12" | 4" | 120% OF OPTIMUM |
| MED. | 18" | 6" | 130% OF OPTIMUM |
| HIGH | 24" | 12" | 140% OF OPTIMUM |
| VERY HIGH | 30" | 18" | 140% OF OPTIMUM |

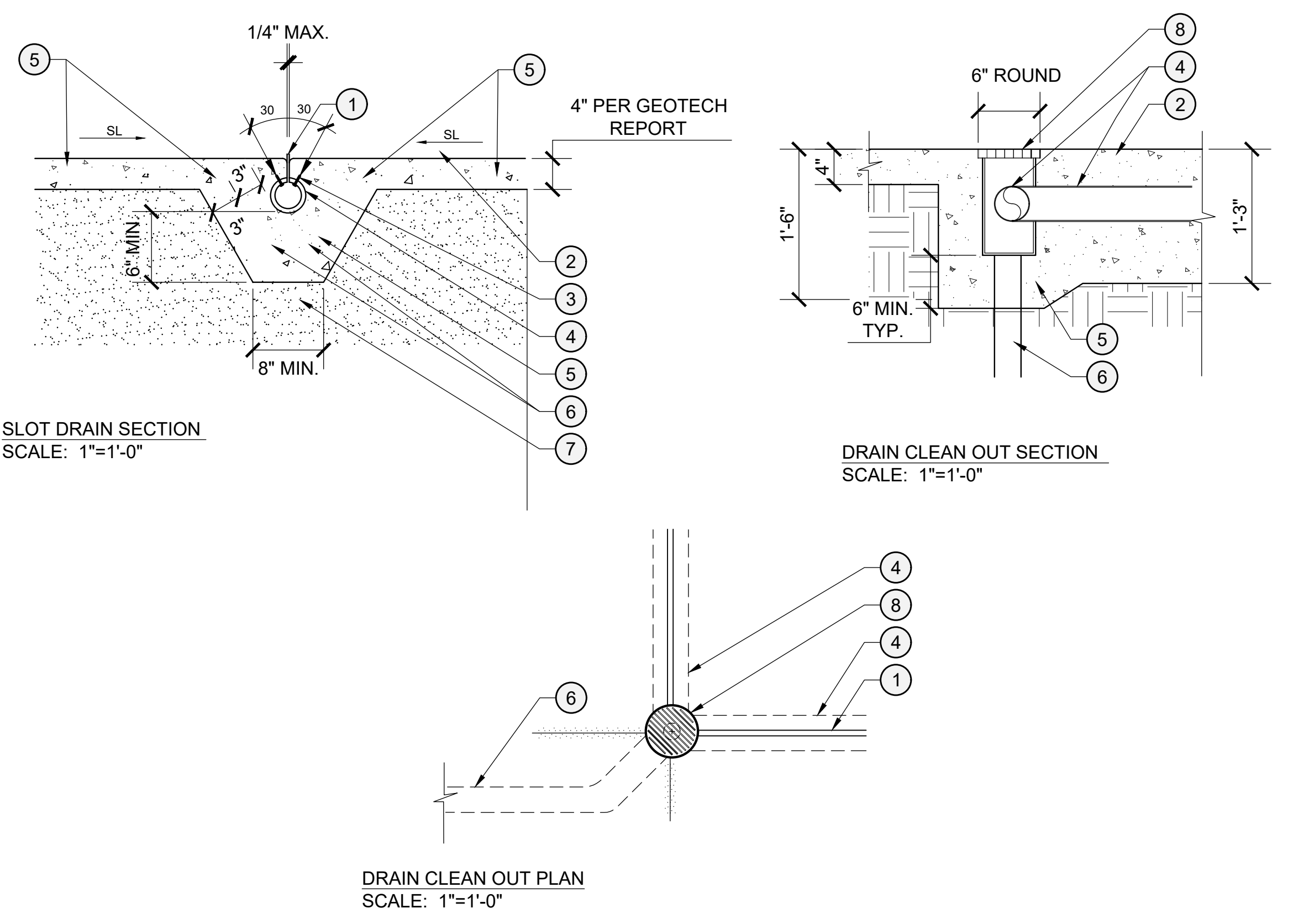
* PER GEOTECHNICAL REPORT.

NOTE: AFTER SUB-DRAIN, IRRIGATION, SURFACE DRAIN AND PLANTING, IS INSTALLED, COMPACT 12" WIDE SECTION AGAINST CUT-OFF WALL TO 85% REL. DEN. AND RE-ESTABLISH SURFACE DRAINAGE PER CIVIL PLAN @ 1% MIN.

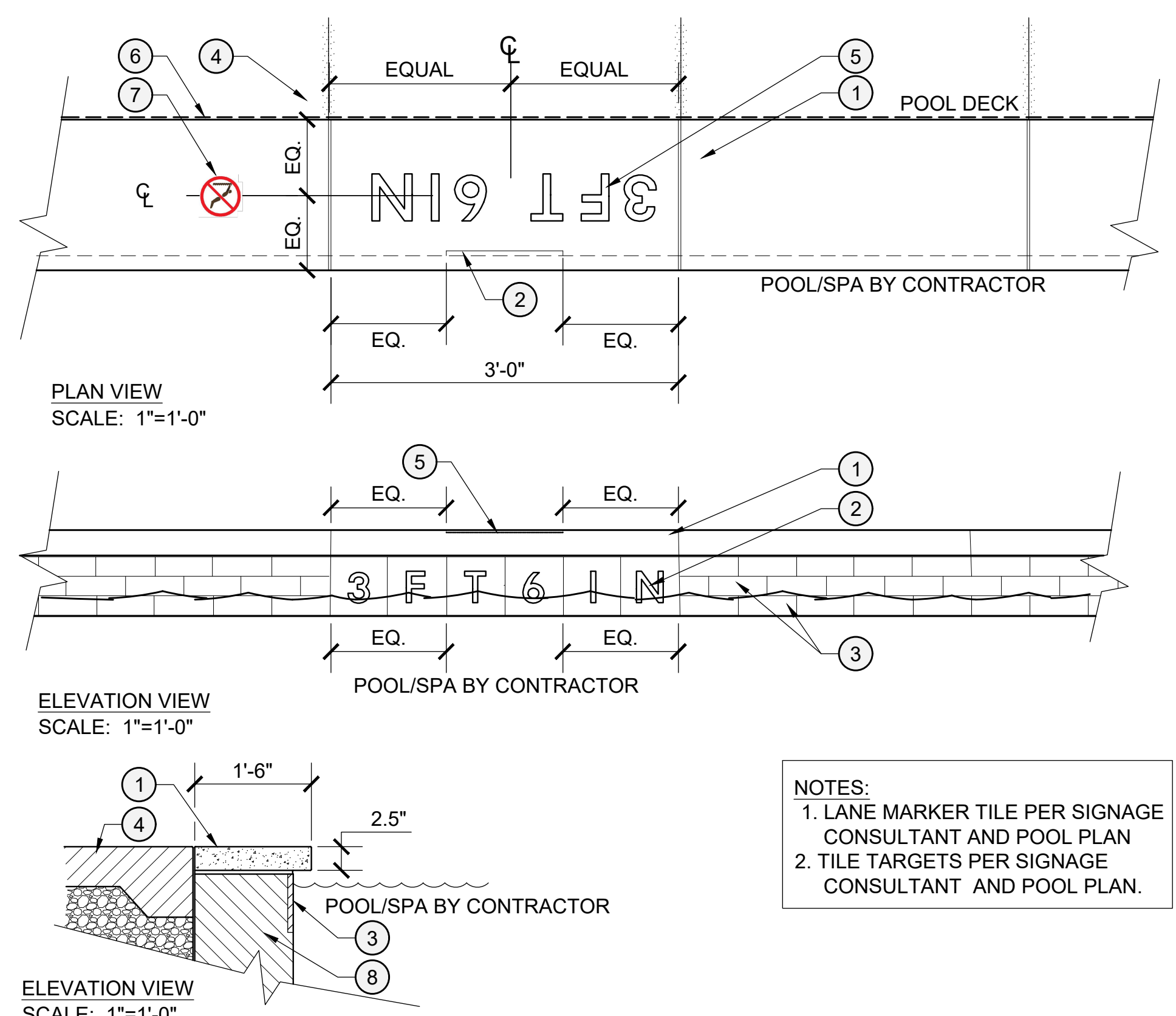
- LEGEND
- INT. COLOR, PRE-CAST CONCRETE POOL COPING PER POOL ENG. PLANS FIN. TO MATCH POOL DECK CAST COPING WITH 2% MAX SLOPE AWAY FROM POOL TO DRAIN SEE MATERIAL LIST FOR COPING FINISH.
 - BOND BEAM PER POOL ENG. DWGS. (TO ACCOMMODATE 16" POOL FACE TO BACK COPING)
 - EXP. JOINT CONT. W/W P. MASTIC COLOR AND FINISH TO MATCH POOL DECK.
 - INT. COLOR CONCRETE POOL DECK JOINTING PER CONSTRUCTION PLAN. 2500 P.S.I. @ 28 DAYS. VERIFY PER GEOTECHNICAL REPORTS
 - MICRO DRAIN AT THE BACK OF SPA COPING WHERE APPLICABLE. REFER TO CONSTRUCTION PLAN AND CIVIL PRECISE GRADING AND DRAINAGE PLAN.
 - HANDICAP HOIST ANCHOR - PROVIDE APPROPRIATE SLEEVE AND DEEP CAN OUT IN POOL DECK. FOOTING AND ANCHOR SPECIFICATION PER POOL/SPA ENGINEERING PLANS.
 - CLEAN SAND BACKFILL.
 - COMPACTED SUB GRADE TO BE MINIMUM RELATIVE COMPACTION OF 90% PER GEOTECHNICAL REPORT. SLOPE SURFACE TO DRAIN @ 2% MIN.
 - POOL DECK SLOT DRAIN
 - 4" DIA. PVC SCH. 40 PERF. DRAINLINE IN 3/4" GRAVEL POCKET WRAPPED W/FILTER FABRIC CONT. SEE CIVIL ENG. PREC. GRADING PLANS. CONNECT TO DRAINAGE SYSTEM.
 - CONC. CUT-OFF WALL/ DEEPEDED EDGE TO RECEIVE POOL DECK.
 - SAWCUT JOINT, CHASE THROUGH PIPE
 - ALL REINFORCEMENT PER STRUCTURAL ENGINEER.
 - FINISHED GRADE @ PLANTERS.
 - SANDBLASTED DEPTH INDICATORS ON COPING LOCATED PER POOL AND SPA PLAN

- NOTES
- PROVIDE EXPANSION JOINTS WHERE NOTED PER PLAN AND AT 20'-0" O.C. MAX.
 - SAWCUT ALL JOINTS WHERE NOTED PER PLAN & PER OWNER DIRECTION
 - COLOR & FINISH PER CONSTRUCTION LEGEND

A CONCRETE AT POOL DECK

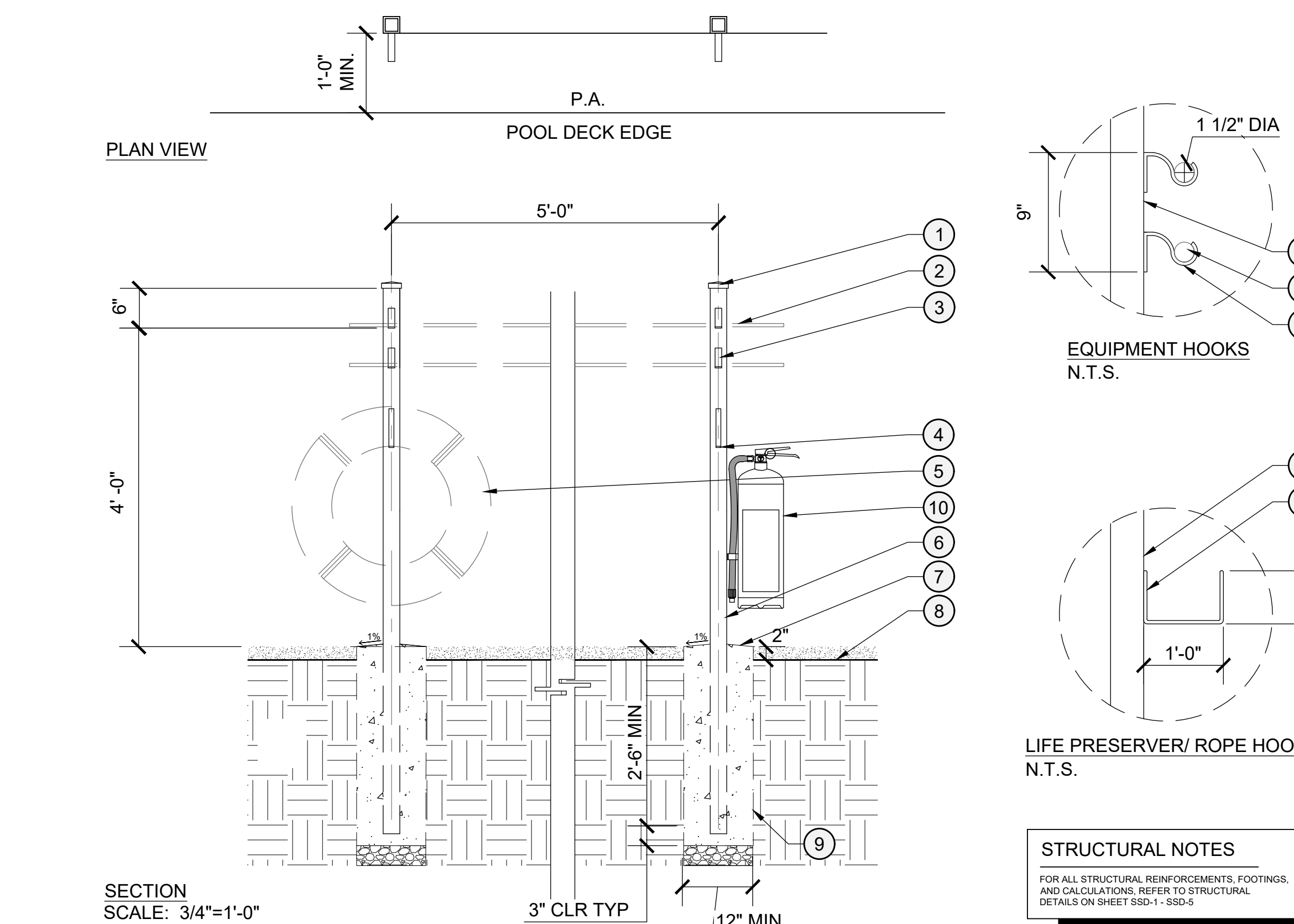


- LEGEND
- DECK DRAIN SLOT SAW CUT W/ DOUBLE BLADE 1/4" TOTAL WIDTH. EASE EXPOSED EDGES AFTER CUT.
 - CONC. POOL DECK W/ ETCHED FINISH PER DETAIL 'A', THIS SHEET.
 - #6 X 1 1/2" S.S SHEET METAL SCREWS EA. SIDE OF SLOT DRAIN @ 24" O.C. MAX.
 - 4" DIA. SDR-35 PVC PIPING.
 - CONCRETE REINFORCEMENT PER GEOTECHNICAL REPORT
 - CONNECTION TO STORM DRAIN PER CIVIL ENGINEER
 - CLEAN SAND BACKFILL.
 - SATIN FINISH BRONZE GRATE & FRAME WITH VANDAL PROOF SCREWS. MAX. GRATE SLOT WIDTH = 3/8". CONTRACTOR TO SUBMIT SAMPLE FOR APPROVAL.
- NOTES
- CORE DRILL CORNERS OF DRAIN BOX TO RECEIVE 4" DIA. DRAIN PIPE.



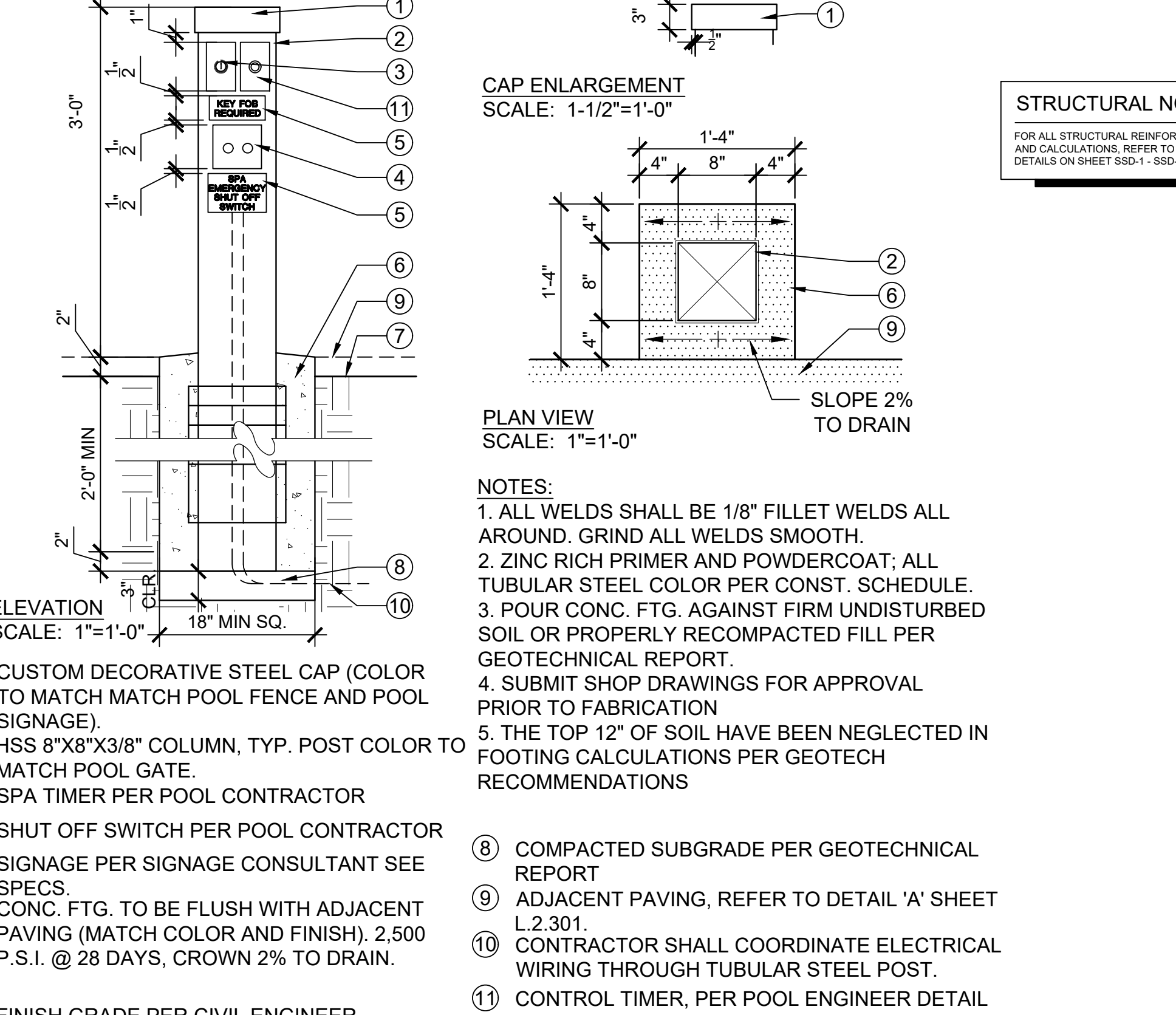
- LEGEND
- INTEGRAL COLOR PRECAST POOL COPING - 3' LENGTH (2'-11 5/8" TO ALLOW FOR 3/8" JOINT WIDTH). ORDER CORNER PIECES TO BE 4" MIN. LENGTH TO ALLOW FOR MITER CUT IN FIELD. REFER TO PROFILE BY POOL CONSULTANT.
 - TILE DEPTH MARKERS 6"x6". PER POOL ENGINEER
 - POOL WATERLINE TILE, REFER TO CONSTRUCTION MATERIAL LEGEND
 - CONCRETE POOL DECK, PER CIVIL ENGINEER PLANS
 - LIGHT SANDBLAST DEPTH MARKERS, 4" MIN. HEIGHT (CENTERED IN A SINGLE POOL COPING PIECE), 1/8" MIN. DEPTH. FILL WITH A CONTRASTING COLOR EPOXY FLUSH WITH FINISH SURFACE. SANDBLAST DEPTH MARKERS, CENTERED IN COPING, TO ALIGN CENTERED ON WATERLINE TILE DEPTH MARKERS
 - JOINT SEALANT, TYP.
 - "NO DIVING" LOGO WHERE OCCURS
 - POOL GUNITE SHELL PER POOL CONTRACTOR
- NOTES
- ALIGN WATERLINE DEPTH MARKERS WITH COPING DEPTH MARKERS. CONTRACTOR TO LOCATE WATERLINE TILE DEPTH MARKERS AND SANDBLAST COPING DEPTH MARKERS FOR LANDSCAPE ARCHITECT/OWNER APPROVAL PRIOR TO INSTALLATION.
 - CONTRACTOR TO PROVIDE SAMPLE MOCKUP OF WATERLINE TILE WITH GROUT FOR OWNER APPROVAL PRIOR TO ORDERING
 - CONTRACTOR TO PROVIDE SAMPLE MOCKUP OF POOL COPING WITH SANDBLAST DEPTH MARKERS FOR OWNER APPROVAL PRIOR TO ORDERING.
- DEPTH MARKER NOTES
- CONTRACTOR TO LOCATE DEPTH MARKERS PER INSTALLED DEPTH OF POOL/SPA BOTTOM & ALL APPLICABLE CODES. VERIFY PRIOR TO INSTALLATION.
 - SANDBLAST DEPTH MARKERS ARE TO ALIGN CENTERED ON WATERLINE TILE DEPTH MARKERS.

B SLOT DRAIN



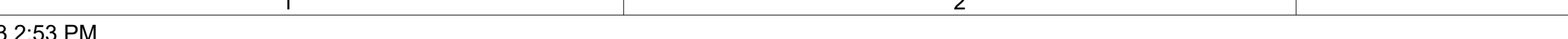
- LEGEND
- CAST IRON POST CAP
 - 12' RESCUE POLE WITH A BODY HOOK.
 - 1" WIDE X 3/16" THICK METAL STRAP EQUIPMENT HOOKS, (4 TOTAL) WIDTH AT 1 1/2" DIAMETER TO RECEIVE POLES; WELDED TO POST.
 - 1" WIDE X 3/16" THICK METAL STRAP HOOK; WELDED TO THE POST.
 - LIFE PRESERVER
 - HSS 3"x3"x1/4" COLUMN, TYP.
 - INTEGRAL CONCRETE FOOTING TO MATCH POOL DECK COLOR. ALL OTHER INFO Fc = 2500 PSI
 - FINISH GRADE PER CIVIL ENGINEER PLANS.
 - DRAINAGE ROCK
 - FIRE EXTINGUISHER
- NOTES
- ALL WELDS SHALL BE 1/8" FILLET WELDS, ALL AROUND.
 - ALL MATERIAL PRE-GALVANIZED WITH ZINC RICH PRIMER & POWDER COATED FINISH.
 - POST TO BE STAKED IN THE FIELD PRIOR TO INSTALLATION.
 - NOTE: THE TOP 12" OF SOIL HAVE BEEN NEGLECTED IN FOOTING CALCULATIONS PER GEOTECH RECOMMENDATIONS

C POOL COPING TILE

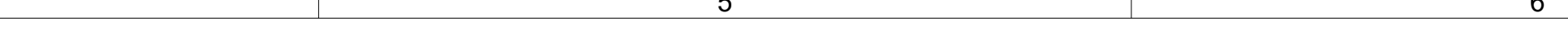


- LEGEND
- CUSTOM DECORATIVE STEEL CAP (COLOR TO MATCH MATCH POOL FENCE AND POOL SIGNAGE)
 - HSS 8"x8"x3/8" COLUMN, TYP. POST COLOR TO MATCH POOL GATE.
 - SPA TIMER PER POOL CONTRACTOR
 - SHUT OFF SWITCH PER POOL CONTRACTOR
 - SIGNAGE PER SIGNAGE CONSULTANT SEE SPECS.
 - CONC. FTG. TO BE FLUSH WITH ADJACENT PAVING (MATCH COLOR AND FINISH). 2,500 P.S.I. @ 28 DAYS, CROWN 2% TO DRAIN.
 - FINISH GRADE PER CIVIL ENGINEER
 - COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
 - ADJACENT PAVING, REFER TO DETAIL 'A' SHEET L.2.301.
 - CONTRACTOR SHALL COORDINATE ELECTRICAL WIRING THROUGH TUBULAR STEEL POST.
 - CONTROL TIMER, PER POOL ENGINEER DETAIL AND SPECS PLAN
- NOTES
- ALL WELDS SHALL BE 1/8" FILLET WELDS ALL AROUND. GRIND ALL WELDS SMOOTH.
 - ZINC RICH PRIMER AND POWDERCOAT; ALL TUBULAR STEEL COLOR PER CONST. SCHEDULE.
 - POUR CONC. FTG. AGAINST FIRM UNDISTURBED SOIL OR PROPERLY RECOMPACTED FILL PER GEOTECHNICAL REPORT.
 - SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION
 - THE TOP 12" OF SOIL HAVE BEEN NEGLECTED IN FOOTING CALCULATIONS PER GEOTECH RECOMMENDATIONS

D POOL SAFETY RACK



E SPA SHUT OFF



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Design Group

PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

8 HUGHES, SUITE 150
IRVINE, CALIFORNIA 92618
(949) 238-4900

LANDSCAPE ARCHITECT
NO. 0000
STATE OF CALIFORNIA
NO. 0000

PLAN REVISION DESCRIPTION

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REFER TO THE SHEET INDEX ON SHEET LC-001 FOR COMPLETE LIST OF DRAWINGS.

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

AGENCY SUBMITTAL #2

| | | |
|----------|------------|-----------------------|
| PLAN SET | ISSUE DATE | PROJECT STATUS LOG |
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| B | 09/06/2023 | PLANNING SUBMITTAL #2 |

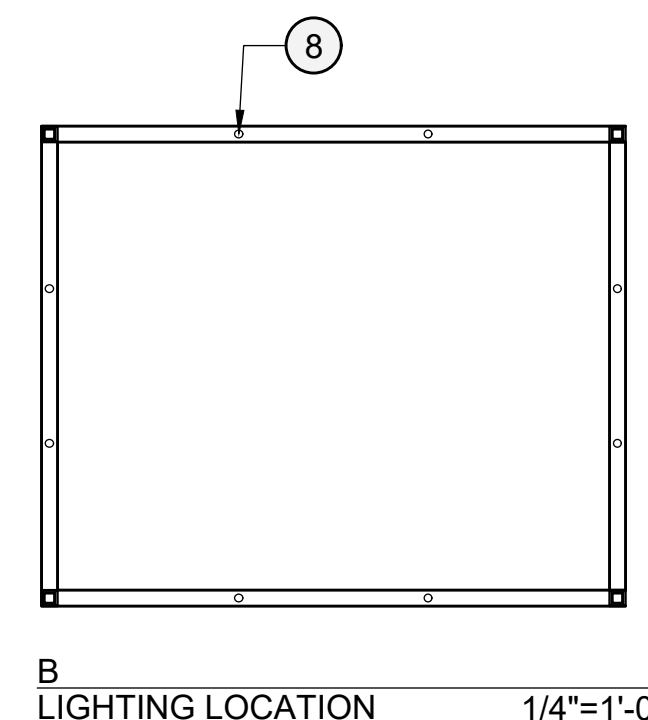
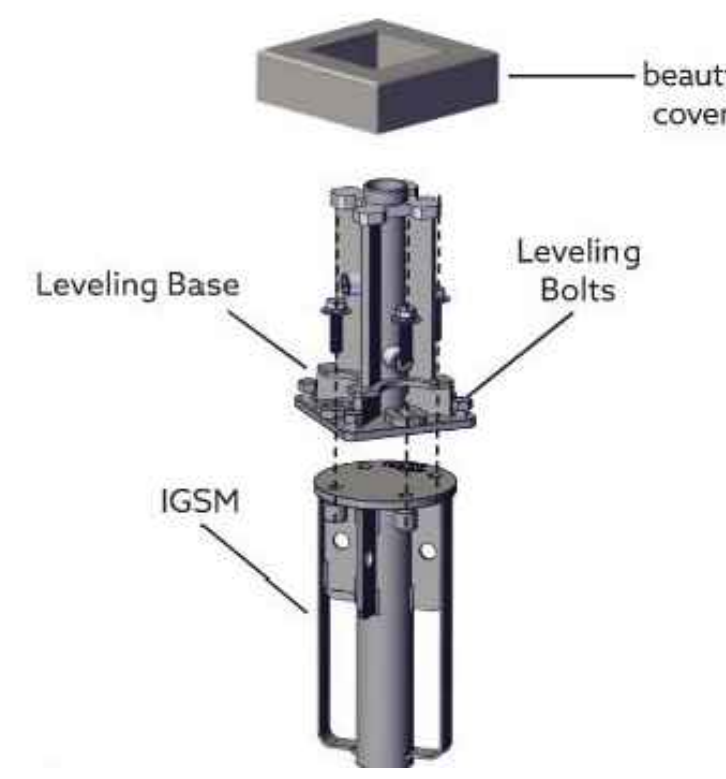
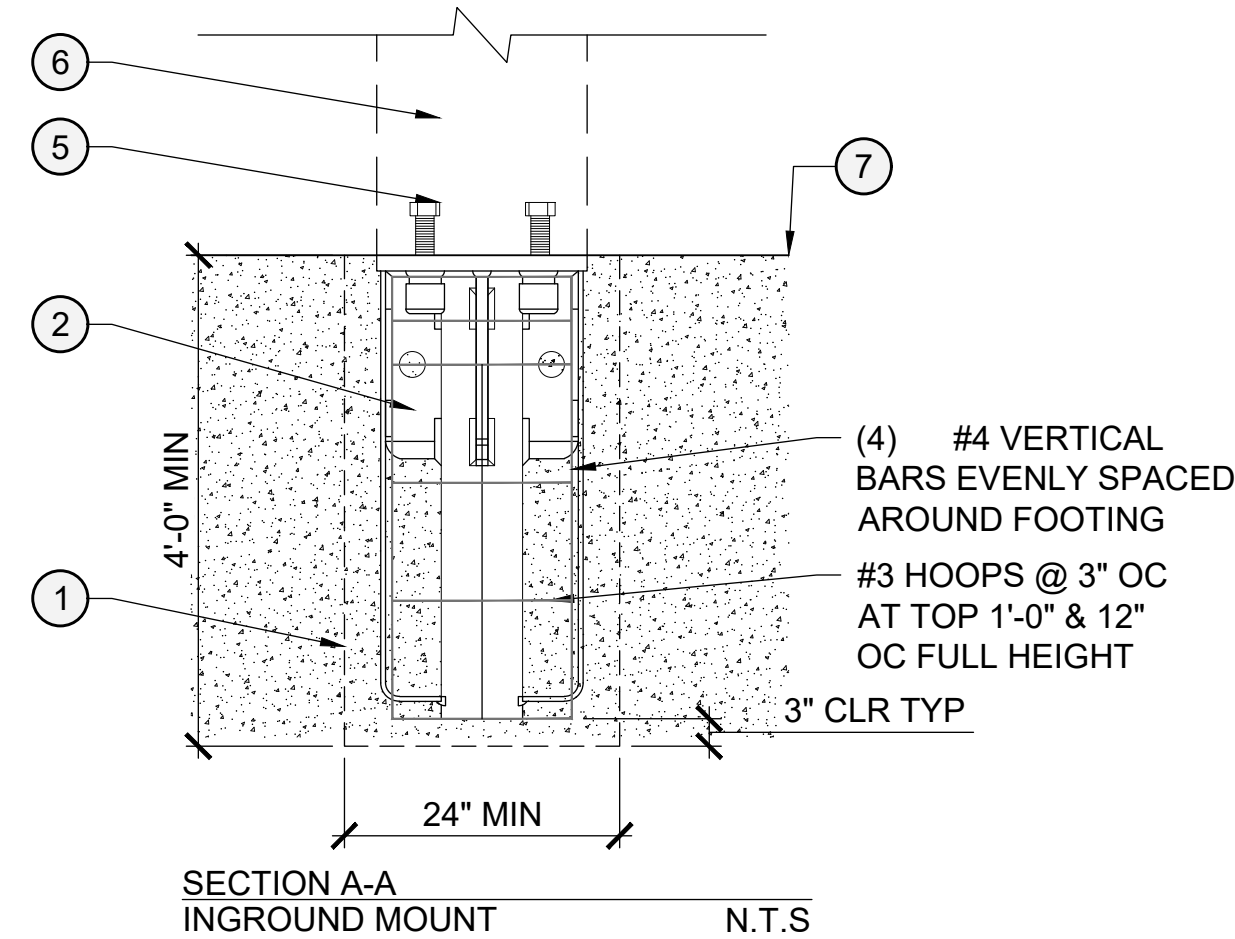
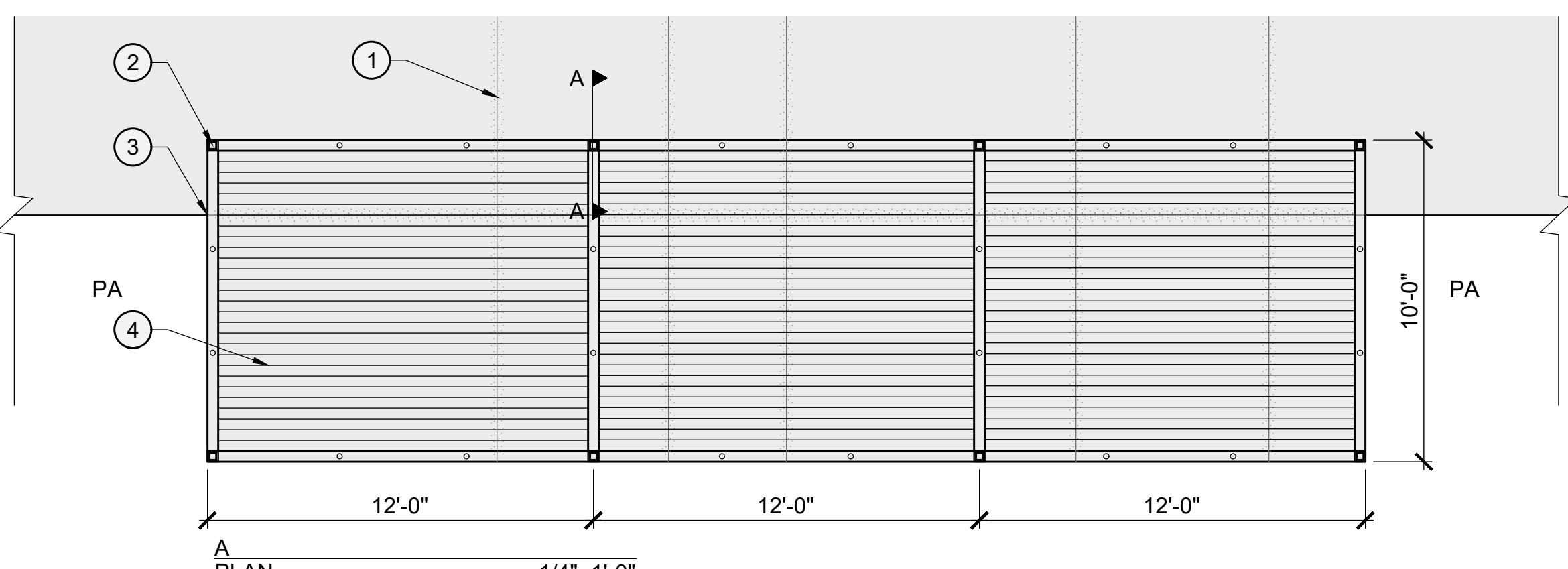
BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012

CONSTRUCTION DETAILS

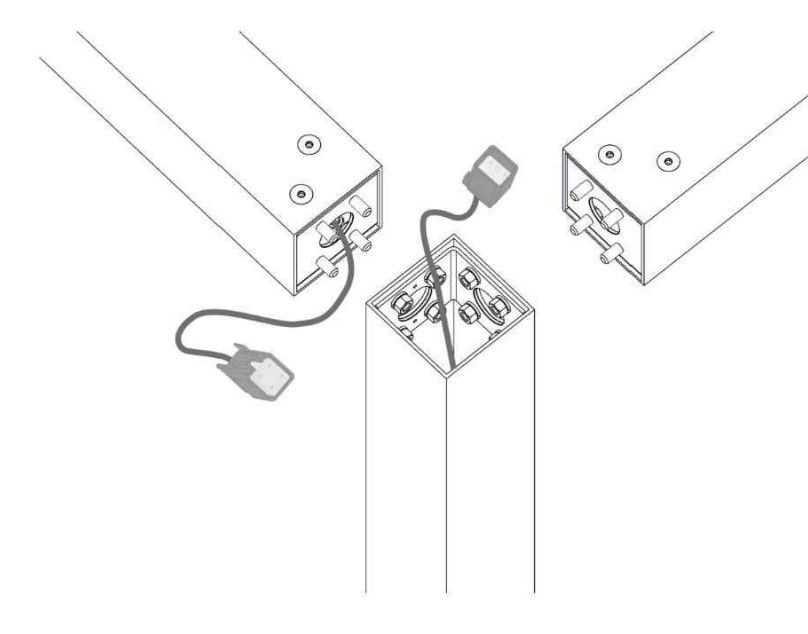
SHEET NUMBER
LC-404

AGENCY SUBMITTAL #2

L:\1730912-OTAY VILLAGE 8 WEST SWIM CLUB\06-CAD\02-SHEETS\CD SET\0912-L2-401-CONSTRUCTION DETAILS.DWG



PULL OUT WIRES COMING OUT OF THE COLUMNS AND BEAMS. CONNECT ALL ELECTRICAL PLUGS WITH MATCHING LABELS.
TEST ELECTRICAL IN TO OUTLET BEFORE ADDING ROOF.

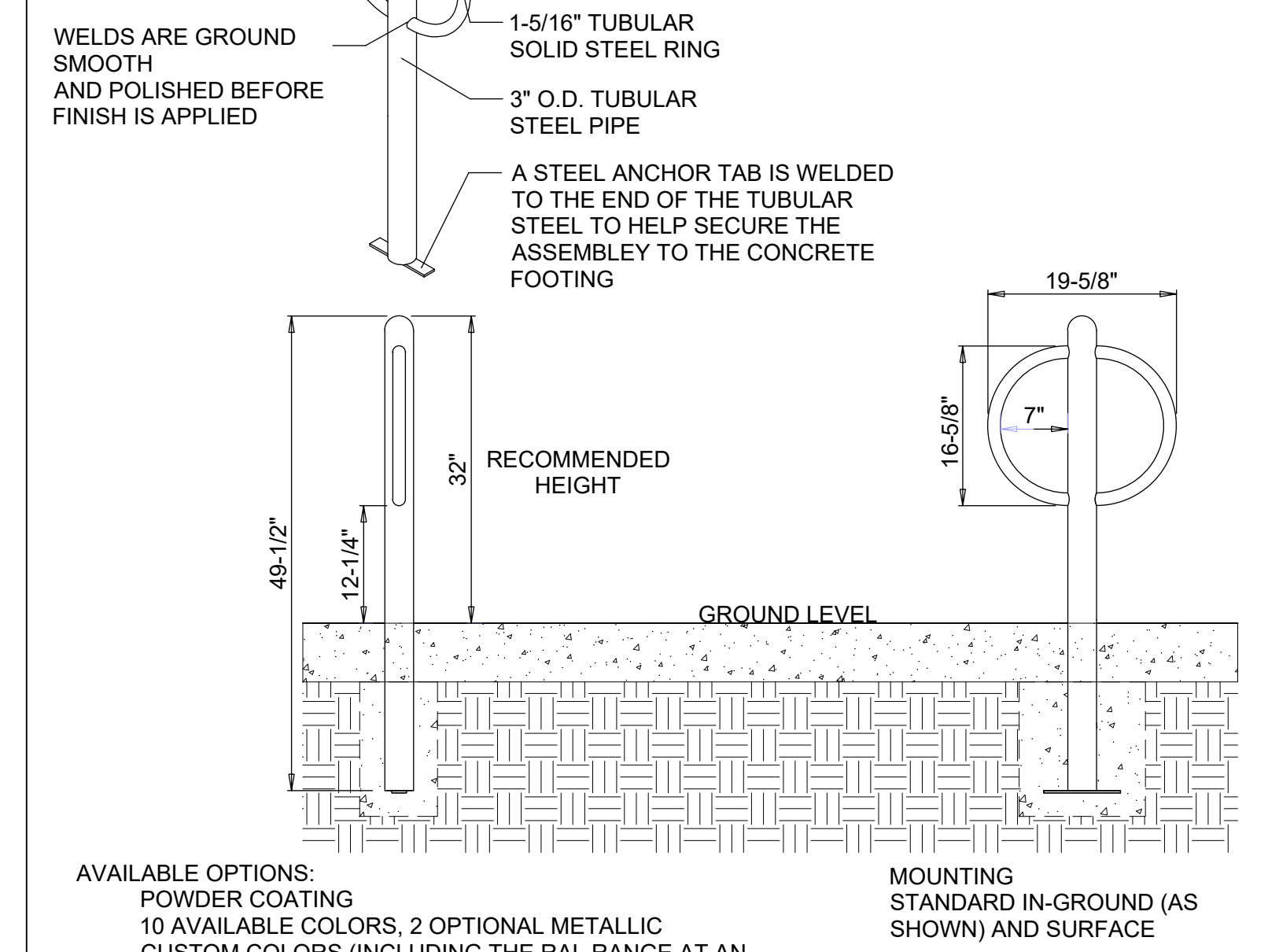


- LEGEND**
- 1 CONCRETE FOOTING PER SEPARATE DETAIL
 - 2 INGROUND SECURITY MOUNT WITH LEVELING BASE PER MANUFACTURES RECOMMENDATION
 - 3 CABANA FRAME
 - 4 TRELLIS ROOF
 - 5 1/2" ANCHOR BOLTS PER MANUFACTURES RECOMMENDATION
 - 6 CABANA POST
 - 7 CONCRETE DECK SURFACE
 - 8 LIGHTING LOCATION, CONTRACTOR TO VERIFY WITH TUCCI

- NOTES**
- A. INGROUND BASE MUST BE FLUSHED AND LEVELED WITH TOP OF CONCRETE
 - B. MINIMUM CONCRETE F_c = 2500 PSI
 - C. 24" OF SOIL HAVE BEEN NEGLECTED IN FOOTING CALCULATIONS PER GEOTECH RECOMMENDATIONS

STRUCTURAL NOTES
FOR ALL STRUCTURAL REINFORCEMENTS, FOOTINGS, AND CALCULATIONS, REFER TO STRUCTURAL DETAILS ON SHEET B50-1, B50-9

SECURE SITE DESIGN™, L.L.C.
(A VICTOR STANLEY, INC.® affiliate)
TOLL FREE (USA & CANADA): 1-888-ANTI-RAM (888-268-4726)
410-286-3375 • FAX 410-475-0175
P.O. BOX 307, DUNKIRK, MD 20754 U.S.A.
INFO@SECURESITEDESIGN.COM
WWW.SECURESITEDESIGN.COM



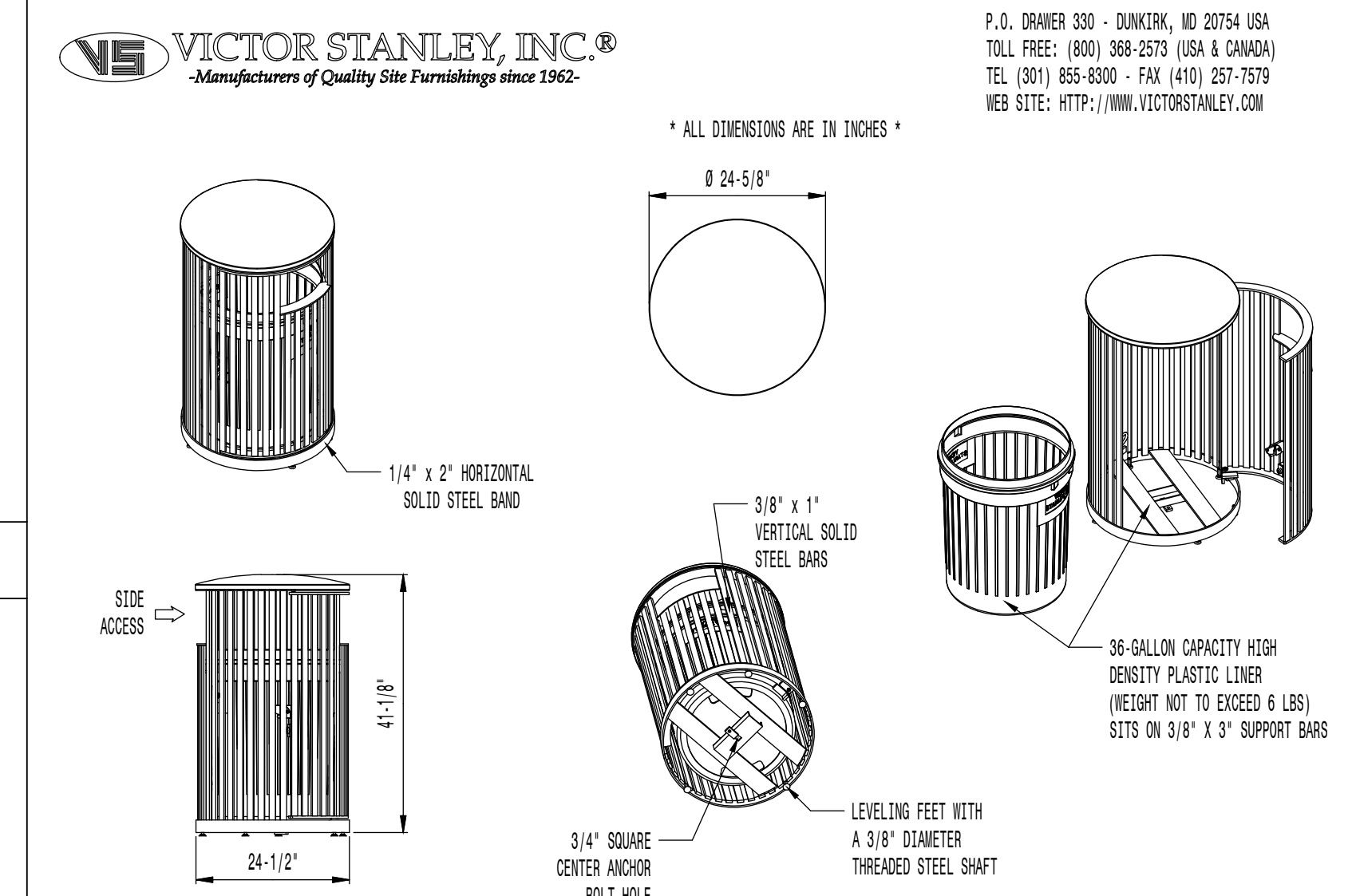
AVAILABLE OPTIONS:
POWDER COATING
10 AVAILABLE COLORS, 2 OPTIONAL METALLIC
CUSTOM COLORS (INCLUDING THE RAL RANGE AT AN ADDITIONAL COST)
(ALL POWDER COAT FINISHES ARE DONE AT VICTOR STANLEY, INC. (VSI) TO MATCH THE VSI PRODUCT LINE)
OTHER FINISHES: GALVANIZED (SPECIAL QUOTE NEEDED)

MOUNTING STANDARD IN-GROUND (AS SHOWN) AND SURFACE

- NOTES:**
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
 2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PREHEATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 3. THIS SECURE SITE DESIGN, L.L.C. PRODUCT MUST BE PERMANENTLY AFFIXED IN THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
 4. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
 5. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

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C BIKE RACK



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TEL (301) 855-8300 - FAX (410) 257-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

* ALL DIMENSIONS ARE IN INCHES *

AVAILABLE OPTIONS:
POWDER COATING
10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)
CUSTOM PLANKS & DECALS
AVAILABLE WITH STEEL PLANKS IN VARIOUS SIZES AND PRESSURE SENSITIVE VINYL OUTDOOR DECALS

LID
STANDARD WITH SOLID CONVEY LID (AS SHOWN), AVAILABLE WITH OPTIONAL SOLID CONVEY LID WITH RAISED BAND, AVAILABLE WITH OPTIONAL STAINLESS STEEL ASHTRAY, ASHTRAYS AVAILABLE WITH OPTIONAL ASHTRAY COVER.

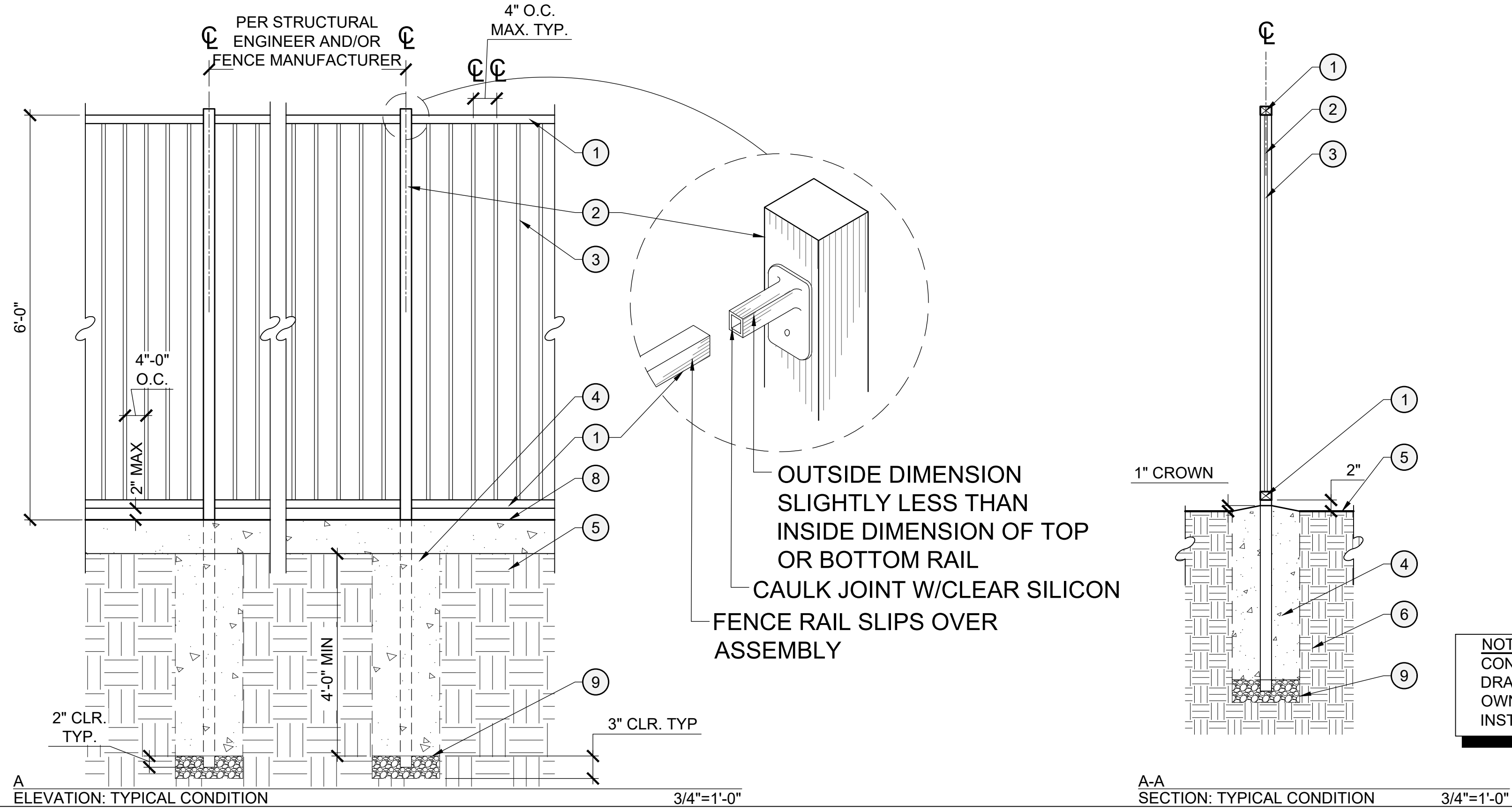
SECURITY
STANDARD WITH INTERIOR LATCH (AS SHOWN), AVAILABLE WITH OPTIONAL KEYS LOCK BOX OR THE KEYS LOCK BOX, LID SOLID IN PLACE, AVAILABLE WITH OPTIONAL MOUNT WITH 3 IN-LINE ANCHOR HOLES AND OPTIONAL BOTTOM PLATE COVER.

- NOTES:**
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
 2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PREHEATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 3. OIL IMPREGNATED BRONZE BUSHINGS AND STAINLESS STEEL PIVOT PINS FOR DOOR MOUNTING, STANDARD 3/16" SOLID STEEL LATCH ASSEMBLY OR OPTIONAL PATENTED STAINLESS STEEL KEYS LOCK ASSEMBLY.
 4. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
 5. VICTOR STANLEY, INC., PLASTIC LINER LINERS ARE WELDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL WELDED JOBS, INTERNAL HANDHOLES, AND HIGH-STRENGTH MATERIALS. THIS REDUCES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
 6. ANCHOR BOLT NOT PROVIDED BY VICTOR STANLEY, INC.
 7. FOR HIGH SALT ABRASIVE CLIMATES, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND DIMENSION IN A THICK OF CHANGED (DUE TO ZINC AT OR AROUND 80%+ (40%)), THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME IRREGULARITY RESULTING FROM THE SPOILING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH; THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
 8. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
 9. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

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REV. 12/16/14 DRAWN L.D.L. 2014-1027

D TRASH RECEPTACLE

A TUCCI CABANA



OUTSIDE DIMENSION SLIGHTLY LESS THAN INSIDE DIMENSION OF TOP OR BOTTOM RAIL
CAULK JOINT W/CLEAR SILICON
FENCE RAIL SLIPS OVER ASSEMBLY

NOTE
CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR LANDSCAPE ARCHITECT / OWNER APPROVAL PRIOR TO INSTALLATION.

- LEGEND**
- 1 1 1/2" SQ. TOP AND BOTTOM TUBULAR STEEL RAIL.
 - 2 2"X2" TUBULAR STEEL POSTS WITH CAP.
 - 3 5/8" SQ. TUBULAR STEEL PICKETS AT 4" O.C.
 - 4 CONCRETE FOOTING AND REINFORCEMENT PER STRUCTURAL ENGINEER. CROWN 1" ABOVE FINISH GRADE.
 - 5 FINISH GRADE PER CIVIL ENGINEER
 - 6 COMPACTED SUB-GRADE PER GEOTECHNICAL REPORT.
 - 7 1/2" WIDE X 3/4" DEEP DRAINAGE CURB NOTCH PLACED EVERY 3' O.C.
 - 8 CONCRETE CURB PER SEPARATE DETAIL.
 - 9 3/4" CRUSHED ROCK
 - 10 CONCRETE FOOTING BEYOND ELEVATION, SEE CALLOUT 4.
- NOTES**
- A. POUR CONCRETE AGAINST FIRM UNDISTURBED SOIL OR PROPERLY COMPACTED FILL PER THE GEOTECHNICAL REPORT
 - B. SOIL PRE-SATURATION IS TO BE PER GEOTECHNICAL REPORT
 - C. ALL WELDS SHALL BE 1/8" FILLET WELDS ALL AROUND. GRIND ALL WELDS SMOOTH.
 - D. METALLIZE ALL TUBULAR STEEL.
 - E. PAINT ALL METAL MEMBERS WITH ONE COAT PRIMER AND TWO COATS ENAMEL PAINT PER CONSTRUCTION LEGEND.

B POOL FENCE

BrightView
Design Group
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LANDSCAPE ARCHITECTURE
URBAN DESIGN
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IRVINE, CALIFORNIA 92618
(949) 238-4900

LANDSCAPE ARCHITECT
NO. 00000000
STATE OF CALIFORNIA
VICTOR STANLEY, INC.®
STATE OF CALIFORNIA
NO. 00000000

PLAN REVISION DESCRIPTION

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Call 811 before you dig.
SEEKS TO LOCATE SHEET NUMBER ON SHEET LIST AND EPC. COMPLETE LIST OF DRAWINGS.

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

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BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012

CONSTRUCTION DETAILS

LC-405

L:\1730912-OTAY VILLAGE 8 WEST SWIM CLUB\06-CAD\02-SHEETS\CD SET\0912-12-401-CONSTRUCTION DETAILS.DWG

| IRRIGATION SYSTEM MAINTENANCE SCHEDULE | |
|---|--|
| IRRIGATION SYSTEM ADJUSTMENT/MAINTENANCE (INSTALLATION) | |
| 1. | FLUSH IRRIGATION SYSTEM THOROUGHLY BEFORE INSTALLING DRIP COMPONENTS / SPRINKLER NOZZLES. |
| 2. | ADJUST PRESSURE REGULATOR DOWNSTREAM OF WATER METER TO REQUIRED PRESSURE SETTING. |
| 3. | ADJUST CONTROL VALVE FLOW / PRESSURE WITH MAXIMUM FLOW OPERATING PER POINT OF CONNECTION. |
| 4. | ADJUST PRESSURE DIAL SETTING ON CONTROL VALVES AS FOLLOWS: <ul style="list-style-type: none"> A. SPRAY HEADS - 35 PSI B. MEDIUM RANGE ROTORS AND ROTATORS - 50 PSI C. LARGE RANGE ROTORS - 65 PSI * INCREASE AS NEEDED FOR ELEVATION CHANGE |
| 5. | ACTIVATE VALVE AND ADJUST FLOW CONTROL STEM UNTIL DESIRED FLOW / PRESSURE IS ACHIEVED. VALVE STEM SHALL NOT BE FULLY OPEN PER MANUFACTURER RECOMMENDATIONS. |
| 6. | ADJUST SPRAY HEAD PATTERN AND COVERAGE WITH NOZZLE SCREW ADJUSTMENT TO ELIMINATE OVERSPRAY ONTO HARDSCAPE. |
| 7. | ADJUST ROTOR PATTERN AND COVERAGE WITH NOZZLE SCREW TO ELIMINATE OVERSPRAY ONTO HARDSCAPE. |
| IRRIGATION SYSTEM MAINTENANCE (POST INSTALLATION - 90 DAYS MAINTENANCE PERIOD + 1 YEAR WARRANTY) | |
| 1. | MAINTENANCE OF THE IRRIGATION SYSTEM IS AN ONGOING PROCESS THAT INVOLVES MONITORING, ADJUSTMENT, AND REPAIR. BY INSTITUTING A MAINTENANCE PROGRAM THAT EMPHASIZES MONITORING AND ADJUSTMENT, YOU CAN MINIMIZE REPAIRS. |
| 2. | SEVERAL IRRIGATION SYSTEM MAINTENANCE ACTIVITIES ARE BEST DONE AT REGULAR, PERIODIC INTERVALS; OTHERS REQUIRE PERFORMANCE ON AN AS-NEEDED BASIS. THESE ACTIVITIES ARE SUMMARIZED AS FOLLOWS: |
| 3. | WEEKLY: <ul style="list-style-type: none"> A. WET CHECK - BRIEFLY ACTIVATE EACH CONTROL VALVE AND OBSERVE FOR MAJOR LEAKING OR BROKEN PIPES AND/OR TUBING. B. INSPECT EMITTERS FOR PROPER COVERAGE AND OPERATION. IMMEDIATELY REPAIR OR REPLACE ANY EMITTERS WHICH MAY HAVE BECOME DAMAGED OR CLOGGED BY DEBRIS. C. OBSERVE IRRIGATION SYSTEM FOR RUN-OFF AND ADJUST AS NEEDED. D. FLUSH DRIP SYSTEMS BY OPENING UP FLUSH VALVE. E. BASED ON OBSERVED FIELD CONDITIONS ADJUST IRRIGATION PROGRAMMING OF THE AUTOMATIC IRRIGATION CONTROLLERS. ADJUST WATER APPLICATIONS ACCORDING TO CHANGES IN THE WEATHER. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE RESULTING FROM EITHER OVER OR UNDER WATERING. F. SOIL AS OFTEN AS NECESSARY THE SOIL SHOULD BE CHECKED WITH A SOIL MOISTURE SENSOR AND/OR AUGER TO EVALUATE SOIL MOISTURE LEVEL IN RESPECT TO THE PLANT MATERIAL'S ROOT ZONE. G. RECORDS: THE CONTRACTOR SHALL ESTABLISH A FORM TO RECORD WATER USAGE, WEATHER DATA, SOIL DATA AND SYSTEM OPERATION. |
| 4. | MONTHLY: <ul style="list-style-type: none"> A. PERFORM A PREVENTATIVE MAINTENANCE REVIEW OF ALL IRRIGATION EQUIPMENT, INCLUDING STRAINERS, CONTROLLERS, VALVES AND EMITTERS. IT IS IMPERATIVE THAT THE SYSTEM BE CHECKED PRIOR TO THE INCREASED SEASONAL WATER NEEDS OF SPRING AND SUMMER. B. MAINTAIN AUTOMATIC CONTROLLERS IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS, INCLUDING PERIODIC INSPECTION FOR LOOSE WIRING, ACCUMULATED DEBRIS, AND DETEIORATING HOUSINGS. REPORT ANY MALFUNCTIONS OR NEEDED REPAIRS TO OWNER'S REPRESENTATIVE. C. INSPECT AND FLUSH WYE STRAINERS, BASKET STRAINERS AND DRIP FILTERS. |
| 5. | YEARLY: <ul style="list-style-type: none"> A. CERTIFY IRRIGATION BACKFLOW DEVICE (AS APPLICABLE) B. RENEW IRRIGATION CONTROLLER SUBSCRIPTION SERVICE (AS APPLICABLE) C. SERVICE IRRIGATION CONTROLLER AND RAIN SENSOR / WEATHER STATION D. RE-LEARN STATION FLOWS AND ADJUST IRRIGATION PROGRAMMING |
| 6. | AS NEEDED: <ul style="list-style-type: none"> A. EXPOSE EMITTERS AS NECESSARY TO ACHIEVE A VISUAL INSPECTION OF OPERATION. B. BEFORE PERIODS OF RAINFALL, CHANGE CONTROLLER SETTINGS TO TEMPORARILY PREVENT IRRIGATION WATERING. C. MAINTAIN ELECTRIC CONTROL VALVES FREE OF DEBRIS AND ACCUMULATED SILT. |

| CONTROLLER NOTES | |
|--|--|
| CONTRACTOR REQUIREMENT NOTES FOR HYDROPOINT ET PROS CONTROLLER - EQUIPMENT INSTALLATION AND OPERATION | |
| 1. PRE-CONSTRUCTION MEETING: CONTRACTOR SHALL COORDINATE A PRE-CONSTRUCTION MEETING WITH SITEONE GREENTECH SERVICES TO REVIEW ALL COMPONENTS OF TWO-WIRE CONTROLLER SYSTEM. THIS SHALL BE COMPLETED PRIOR TO INSTALLING ANY IRRIGATION CONTROL EQUIPMENT INCLUDING TWO-WIRE PATH. A WRITTEN CONFIRMATION SHALL BE PROVIDED TO OWNER'S REPRESENTATION. | |
| 2. HYDROPOINT ACTIVATION: INSTALLATION AND MAINTENANCE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR REGISTERING AND DOWNLOADING HYDROPOINT SMARTPHONE APPLICATION TO MANAGE IRRIGATION CONTROLLERS VIA THE INTERNET/WEB INTERFACE. CONTROLLER TO BE ACTIVATED WHEN CONTROLLER IS INSTALLED AND BEFORE WALK(S) WITH IRRIGATION CONSULTANT OR CLIENT REPRESENTATIVE. | |
| 3. TWO-WIRE CABLE SPECIFICATION: <ul style="list-style-type: none"> a. PAIGE ELECTRIC P-7072D COMMUNICATION CABLE - 14 AWG2 CONDUCTOR WITH TWO TYPE UF WIRES WITH A PE OUTER JACKET. b. EACH CONTROLLER SHALL HAVE ITS OWN WIRE PATH AND SPECIFIC COLOR (SEE BELOW). PAIGE DESCRIPTION <ul style="list-style-type: none"> • 14 AWG BLUE - CONTROLLER 'A' <ul style="list-style-type: none"> c. CONTRACTOR SHALL PROVIDE PAIGE #P7072D WITHIN SCHEDULE 40 ELECTRICAL CONDUIT PER DETAILS, NOTES AND SPECIFICATIONS. d. WIRE SPLICING SHALL BE MADE WITHIN A WIRE JUNCTION BOX WITH ELECTRICAL CONDUIT SWEEPS PER DETAILS, NOTES AND SPECIFICATIONS. WIRE SPLICES SHALL BE MADE "ONLY" WHEN ABSOLUTELY NECESSARY AND KEPT TO A MINIMUM. | |

| IRRIGATION SYSTEM NOTES | |
|--|---|
| DESIGN CLARIFICATIONS: | |
| 1. | THE IRRIGATION PLANS ARE DIAGRAMMATIC. ALL EQUIPMENT AND PIPING SHOWN WITHIN LANDSCAPED LOCATIONS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN LANDSCAPED LOCATIONS WHEREVER POSSIBLE. |
| 2. | THE IRRIGATION CONTRACTOR SHALL BECOME FAMILIAR WITH ALL GRADE DIFFERENCES AND LOCATION OF ALL WALLS, FENCES, STRUCTURES AND UTILITIES. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING ALL ITEMS DAMAGED BY THEIR WORK. WORK SHALL BE COORDINATED WITH THE SITE SUPERINTENDENT FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER STREETS, PARKING LOTS, AND PAVING, ETC. |
| 3. | THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM OPERATING PRESSURE AS NOTED ON THE PLANS. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE AT THE IRRIGATION POINT OF CONNECTION PRIOR TO START OF CONSTRUCTION. REPORT THE ON-SITE MEASURED PRESSURE READING TO THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO START OF WORK. |
| 4. | DO NOT PURPOSEFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS CLEAR IN THE FIELD THAT UNKNOWN STRUCTURES, UTILITIES, GRADE DIFFERENCES, OR DIFFERENCES IN THE LANDSCAPE AREA EXIST THAT ARE NOT REPRESENTED ON THE PLANS. THE IRRIGATION CONTRACTOR SHALL NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE OF THE OBSTRUCTIONS OR DIFFERENCES. IF A NOTIFICATION IS NOT PROVIDED, THE IRRIGATION CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY. |
| 5. | ALL IRRIGATION EQUIPMENT NOT DETAILED SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. |
| INSTALLATION NOTES: | |
| 1. | THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT SHALL APPROVE THE FINAL LOCATION OF THE IRRIGATION CONTROLLER, BACKFLOW DEVICE, SIGNAGE AND ALL OTHER ABOVE GRADE EQUIPMENT PRIOR TO INSTALLATION. |
| 2. | 120 VAC ELECTRICAL SOURCE AT IRRIGATION CONTROLLER LOCATION SHALL BE PROVIDED BY OTHERS. THE IRRIGATION CONTRACTOR SHALL MAKE THE FINAL CONNECTION FROM THE ELECTRICAL SOURCE TO THE IRRIGATION CONTROLLER PER LOCAL ELECTRICAL CODES. |
| 3. | INSTALL ALL PIPING BETWEEN THE POINT OF CONNECTION AND THE R.P. BACKFLOW DEVICE AS PER LOCAL CODES. |
| 4. | ALL MAINLINE / LATERAL LINE PIPING AND WIRES / CONDUITS UNDER PAVING SHALL BE INSTALLED IN SEPARATE SLEEVES. MAINLINE / LATERAL LINE SLEEVES SHALL BE A MINIMUM OF TWICE (2X) THE DIAMETER OF THE PIPE TO BE SLEEVED. WIRE / CONDUIT SLEEVES SHALL BE OF SUFFICIENT SIZE FOR THE REQUIRED NUMBER OF WIRES UNDER PAVING. |
| 5. | PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWING. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER SIZES MAY BE APPROVED. ALL DAMAGED PIPE SHALL BE IMMEDIATELY REMOVED FROM THE SITE. |
| 6. | ALL SPRINKLER / ROTOR HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE SPECIFIED. |
| BOOSTER PUMP NOTES (IF PUMP IS REQUIRED): | |
| 1. | THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR VERIFYING ELECTRICAL POWER TYPE (VOLTAGE AND PHASE) FOR IRRIGATION PUMP(S) BEFORE ORDERING / PURCHASING EQUIPMENT. IF ELECTRICAL POWER TYPE DIFFERS FROM THE PUMP SPECIFICATION, THEN IRRIGATION CONTRACTOR SHALL NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE AND IRRIGATION CONSULTANT. IF A NOTIFICATION IS NOT PROVIDED, THE IRRIGATION CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR ALL COSTS. |
| 2. | THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR VERIFYING STATIC AND DYNAMIC PRESSURE (PSI) OF THE PROJECT BEFORE ORDERING / PURCHASING IRRIGATION PUMPS EQUIPMENT. CONTRACTOR SHALL NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE AND IRRIGATION CONSULTANT OF PRESSURE READINGS. IF A NOTIFICATION IS NOT PROVIDED, THE IRRIGATION CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR ALL COSTS. |
| 3. | IF PUMP ASSEMBLY DOES NOT INCLUDE A WAFFER CHECK VALVE, CONTRACTOR SHALL INSTALL A LINE SIZE WAFFER CHECK VALVE IMMEDIATELY DOWNSTREAM OF PUMP. |
| 4. | IF PUMP ASSEMBLY DOES NOT INCLUDE PUMP RELAY, PUMP START WIRING AND/OR TWO-WIRE DECODER, CONTRACTOR SHALL FURNISH AND INSTALL IF REQUIRED. |
| 5. | INSTALL ALL ABOVE GRADE PUMP PIPING AS: <ul style="list-style-type: none"> A. BRASS PIPE WITH PIPE WRAP FOR PIPING UP TO 3" IN SIZE B. DUCTILE IRON PIPE WITH TWO COATS OF PAINT SHALL BE USED FOR PIPING 4"+ IN SIZE |
| SYSTEM ADJUSTMENT NOTES: | |
| 1. | THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL VALVES, SPRAY HEADS AND ROTORS FOR OPTIMUM COVERAGE WITH NO OVERSPRAY ONTO WALKS, STREETS, WALLS, ETC. |
| 2. | THE IRRIGATION CONTRACTOR SHALL INSTALL CHECK VALVES IN AREAS WHERE FINISH GRADE EXCEEDS 4:1 AND WHERE POST VALVE SHUT-OFF LOW HEAD DRAINAGE OF THE IRRIGATION SYSTEM OCCURS OR AS DIRECTED BY THE OWNER'S AUTHORIZED REPRESENTATIVE. |
| 3. | THE CONTRACTOR SHALL PROVIDE PRESSURE COMPENSATION SCREENS (PCS) AS NECESSARY TO ELIMINATE OVERSPRAY ONTO WALKS, STREETS, WALLS, OR OTHER AREAS AS DIRECTED BY THE OWNER'S AUTHORIZED REPRESENTATIVE. |
| 4. | SHRUB RISER HEADS MAY BE SUBSTITUTED FOR SHRUB POP-UP HEADS IN LANDSCAPE AREAS EXCEPT WHERE ADJACENT TO PUBLIC AREAS SUCH AS WALKS, CURBS, TURF HEADERS, MONUMENTS, FOUNTAINS, OR SIGNAGE. REFER TO INSTALLATION DETAILS. |
| IRRIGATION AUDIT FOR CERTIFICATE OF COMPLETION: | |
| 1. | AN IRRIGATION AUDIT REPORT PREPARED BY A CERTIFIED LANDSCAPE IRRIGATION AUDITOR IS REQUIRED AT THE COMPLETION OF INSTALLATION. CONTRACTOR TO HIRE IRRIGATION AUDITOR AT NO COST TO OWNER. THE AUDIT MUST BE CONDUCTED IN A MANNER CONSISTENT WITH THE IRRIGATION ASSOCIATION'S LANDSCAPE IRRIGATION AUDITOR CERTIFICATION PROGRAM OR OTHER US ENVIRONMENTAL PROTECTION AGENCY "WATERSENSE" LABELED AUDITING PROGRAM. PROOF OF CERTIFICATION MUST BE PROVIDED WITH THE SIGNED AND DATED REPORT. IRRIGATION AUDIT REPORT TO MEET AGENCY REQUIREMENTS FOR CERTIFICATE OF COMPLETION. |



| CITY OF CHULA VISTA NOTES | |
|---------------------------|--|
| • | OPERATING VELOCITY WILL NOT EXCEED 5 FEET PER SECOND |
| • | SYSTEM TO BE DESIGNED TO WORK WITH THE WATERING WINDOWS AS SET BY THE LOCAL WATER PURVEYOR/DISTRICT & CITY OF CHULA VISTA |
| • | MINIMUM PIPE DEPTHS SHALL BE: 12" FOR LATERALS (24" UNDER NON-VEHICULAR PAVING; 30" UNDER VEHICULAR), 18" FOR PRESSURIZED LINES (30" UNDER NON-VEHICULAR PAVING, 36" UNDER VEHICULAR) |
| • | FLOW SENSOR CONDUIT TO BE SET A MINIMUM OF 12" FROM ALL OTHER SLEEVES |
| • | SLEEVING NOTES <ul style="list-style-type: none"> a. ALL SLEEVES UNDER VEHICULAR PAVEMENT TO BE SCH. 40 AND 4" MINIMUM DIAMETER b. MINIMUM OF 4" SPACING BETWEEN SLEEVES FOR ALL LATERAL AND PRESSURIZED LINES c. FLOW SENSOR CONDUIT TO BE SET A MINIMUM OF 12" FROM ALL OTHER SLEEVES d. ELECTRICAL CONDUIT SLEEVES ARE SEPARATED FROM WATER PIPE SLEEVES BY A MINIMUM OF 4" |

| IRRIGATION EQUIPMENT LEGEND RECYCLED WATER | | | |
|---|----------------|---|---------------------------------|
| SYMBOL | ITEM | MANUFACTURER - MODEL NUMBER - DESCRIPTION | |
| NOT SHOWN | STATION ID TAG | CHRISTY'S ID-MAX-P1 PURPLE STATION ID TAGS WITH BLACK LETTERING • PER REMOTE CONTROL VALVE | |
| NOT SHOWN | WATER ID TAG | CHRISTY'S ID-MAX-P2-RC006 PURPLE BILINGUAL RECYCLED WATER ID TAG • PER PIECE OF RECYCLED WATER EQUIPMENT | |
| NOT SHOWN | VALVE BOX | IRRIGATION VALVE BOXES | |
| | | BOX | LID |
| | | • 6" ROUND | SNAP ON T-COVER CARSON 07081138 |
| | | • 10" ROUND | T-COVER CARSON 09101043 |
| | | • 14" x 19" RECTANGULAR | T-COVER CARSON 14191430 |
| | | • 12" x 20" JUMBO | T-COVER CARSON 12201470 |
| | | BOX / LID COLOR: PURPLE - INCLUDES STANDARD HEX BOLT "RECYCLED WATER - DO NOT DRINK" MOLDED OR EMBOSSED ON THE LID | |
| | | LOW VOLTAGE IRRIGATION WIRE VALVE BOXES | |
| | | • 10" ROUND | T-COVER CARSON 09101037 |
| | | • 14" x 19" RECTANGULAR | T-COVER CARSON 14191434 |
| | | BOX / LID COLOR: BLACK - INCLUDES STANDARD HEX BOLT | |



| IRRIGATION EQUIPMENT LEGEND RECYCLED WATER | | |
|---|--------------------------------|---|
| SYMBOL | ITEM | MANUFACTURER - MODEL NUMBER - DESCRIPTION |
| [Symbol] | RECYCLED WATER METER | CONTRACTOR TO FURNISH AND INSTALL RECYCLED WATER METER • REFER TO PLAN FOR SIZE • VERIFY STATIC WATER PRESSURE AND REPORT TO IRRIGATION CONSULTANT BEFORE START OF WORK |
| [Symbol] | BASKET STRAINER | KECKLEY SSGFY SERIES FLANGED CLASS 150 CAST 316 STAINLESS STEEL BASKET STRAINER WITH 80 MESH STAINLESS STEEL SCREEN • REFER TO PLAN FOR SIZE |
| [Symbol] | BACKFLOW WITH ENCLOSURE | FEBCO 825Y REDUCED PRESSURE BACKFLOW PREVENTION DEVICE • INCLUDE WATTS LF777 STRAINER WITH 30 MESH SCREEN ON UPSTREAM SIDE OF BACKFLOW PREVENTION DEVICE • STRONGBOX SDBC-4HS5 SMOOTH TOUCH BACKFLOW ENCLOSURE • REFER TO PLAN FOR SIZE |
| [Symbol] | PRESSURE REGULATOR | WILKINS 500XL-HLR-SC BRONZE PRESSURE REDUCING VALVE WITH HIGHFLOW RANGE SPRING AND SEALED CAGE BELL HOUSING • REFER TO PLAN FOR SIZE AND PRESSURE SETTING |
| [Symbol] | MASTER VALVE | RAIN BIRD EFB-CP SERIES NORMALLY CLOSED BRASS MASTER VALVE • INCLUDE SINGLE STATION TWO-WIRE DECODER • REFER TO PLAN FOR SIZE |
| [Symbol] | CROSS CONNECTION TEST STATION | RECYCLED WATER IRRIGATION CROSS CONNECTION TEST STATION. REFER TO WATER AGENCIES' STANDARDS DETAIL WR-04. |
| [Symbol] | FLOW SENSOR | FLOMEC QS2000 SERIES PLASTIC FLOW SENSOR INCLUDED WITH CONTROLLER ASSEMBLY • INCLUDE TWO-WIRE SENSOR DECODER • REFER TO CONTROLLER NOTE |
| [Symbol] | FERTILIZER INJECTOR | EZ-FLO SYSTEMS FERTILIZER INJECTOR - REFER TO DETAIL FOR MODEL MATRIX. FERTILIZER AMENDMENT SCHEDULE TO BE PER THE SOILS REPORT. |
| [Symbol] | GATE VALVE | NIBCO T-113-K BRONZE CROSS TOP GATE VALVE • LINE SIZE UP TO 3" |
| [Symbol] | CONTROL VALVE | RAIN BIRD PESS-R-PRS-D SERIES PRESSURE REGULATING CONTROL VALVE • INCLUDE PRS DIAL VALVE PRESSURE REGULATOR • INCLUDE SINGLE STATION TWO-WIRE DECODER • REFER TO PLAN FOR SIZE |
| [Symbol] | CONTROL VALVE DRIP | RAIN BIRD 100-PESB-R 1" CONTROL VALVE • INCLUDE RAIN BIRD PRB-QKCHK-100 40 PSI PRESSURE REGULATING 200 MESH QUICK CHECK BASKET FILTER • INCLUDE SINGLE STATION TWO-WIRE DECODER |
| [Symbol] | AIR RELIEF | NETAFIM 65AR11 1" COMBINATION AIR / VACUUM RELIEF VALVE |
| [Symbol] | LATERAL LINE CHECK VALVE | NDS KSC-S SERIES LINE SIZE SWING CHECK FOR UPHILL FLOW DIRECTION NDS KC-S SERIES LINE SIZE SPRING CHECK FOR DOWNHILL FLOW DIRECTION |
| [Symbol] | FLUSH VALVE | 1/2" SCHEDULE 40 PVC BALL VALVE MANUAL DRIP FLUSH VALVE • INCLUDE RAIN BIRD 1812-PRS SPRAY BODY WITH RAIN BIRD 4" VAN NOZZLE (CLOSED) - DRIP OPERATION INDICATOR ASSEMBLY |
| [Symbol] | TREE IRRIGATION | TWO (2) RWS-M-B-C-1401 ROTOI WATERING SYSTEMS WITH FACTORY INSTALLED 1401 BUBBLER AND CHECK VALVE PER TREE. |
| [Symbol] | RECYCLED WATER SIGN | CHRISTY'S ID-SIGN-REC1218 (12" x 18") ALUMINUM BILINGUAL RECYCLED WATER WARNING SIGN • INCLUDE 1-1/2" SQUARE ALUMINUM POST |
| [Symbol] | RW CROSSING | REFER TO RECYCLED WATER CROSSING DETAIL |
| [Symbol] | LOCATION ARROW | INDICATES MAINLINE INSTALLATION LOCATION |
| [Symbol] | TWO-WIRE LINE SURGE PROTECTION | HYDROPOINT WT2W-LSP TWO-WIRE LINE SURGE PROTECTION • INCLUDE GROUND ROD / PLATE PER INSTALLATION DETAIL • REFER TO DETAIL FOR LOCATION AND SPACING |
| [Symbol] | RAIN SENSOR | RAIN BIRD WR2-48 WIRELESS 48-HOUR RAIN DELAY SENSOR AND CONTROLLER INTERFACE |
| [Symbol] | CONTROLLER | STRONGBOX TOP MOUNTED STAINLESS STEEL CONTROLLER ASSEMBLY • REFER TO CONTROLLER NOTE FOR MODEL NUMBER AND FEATURES |
| [Symbol] | BELOW GRADE PRESSURE MAINLINE | RECYCLED WATER MAINLINE (RM) PURPLE SCHEDULE 40 PVC PRESSURE MAINLINE FOR PIPE 1" THROUGH 1-1/2" PURPLE CLASS 315 PVC PRESSURE MAINLINE FOR PIPE 2" THROUGH 3" • ALL PIPE TO BE SOLVENT WELD • REFER TO PLAN FOR SIZE • FURNISH AND INSTALL DETECTABLE WARNING TAPE • REFER TO TRENCHING DETAIL FOR DEPTHS |
| [Symbol] | BELOW GRADE LATERAL LINE | PURPLE SCHEDULE 40 SOLVENT WELD PVC LATERAL LINE • REFER TO PLAN FOR SIZE - 3/4" MINIMUM • REFER TO TRENCHING DETAIL FOR BURIAL DEPTHS |
| [Symbol] | TREE IRRIGATION LATERAL | FLAT - BELOW GRADE PURPLE SCHEDULE 40 SOLVENT WELD PVC LATERAL LINE • REFER TO PLAN FOR SIZE - 3/4" MINIMUM • REFER TO TRENCHING DETAIL FOR BURIAL DEPTHS |
| [Symbol] | DRIP LATERAL | RAIN BIRD XFS-CVPS-06-12 SERIES WITH COPPER SHIELD, CHECK VALVE AND PURPLE STRIPE OPTION • 0.6 GPH EMITTERS SPACED AT 12" O.C. WITHIN TUBING • 18" ROW SPACING AND 3" BURIAL DEPTH • INSTALL RAIN BIRD TDS-080 TUBING STAPLES AT 4" O.C. • ALL FITTINGS SHALL BE RAIN BIRD BARBED XF SERIES |
| [Symbol] | SLEEVE | PURPLE SCHEDULE 40 PVC REFER TO SLEEVING LEGEND FOR QUANTITY AND SIZE |
| [Symbol] | DOMESTIC WATER LINE | DOMESTIC WATER LINES PER CIVIL PLANS - FOR REFERENCE ONLY |
| [Symbol] | RECYCLED WATER LINE | RECYCLED WATER LINES PER CIVIL PLANS - FOR REFERENCE ONLY |
| [Symbol] | SANITARY SEWER LINE | SANITARY SEWER LINES PER CIVIL PLANS - FOR REFERENCE ONLY |
| NOT SHOWN | IRRIGATION WIRE TWO-WIRE PATH | PAIGE P7072D UL LISTED U.F. 600V, 14 AWG TWO-WIRE DIRECT BURIAL CABLE • INSTALL IN A GRAY SCHEDULE 40 1-1/4" PVC CONDUIT • EACH CONTROLLER TO HAVE DIFFERENT COLOR JACKET • NO WIRE SPLICES BETWEEN VALVES • WIRE CONNECTORS TO BE 600VAC RATED |
| NOT SHOWN | WIRE CONNECTORS | 3M DBRY-6 600 VAC WATERPROOF DIRECT BURY CONNECTORS • FOR USE WITH TWO-WIRE CABLE CONNECTIONS |
| NOT SHOWN | MAINLINE FITTINGS | PRESSURE MAINLINE FITTINGS TO BE SCHEDULE 40 PVC SOLVENT WELD |
| | LATERAL FITTINGS | NON-PRESSURE LATERAL LINE FITTINGS TO BE: • BURIED LATERAL: SCHEDULE 40 PVC SOLVENT WELD • ABOVE GRADE LATERAL: UV-R SCHEDULE 40 PVC SOLVENT WELD |

SEPARATION NOTE
CONTRACTOR SHALL MAINTAIN A MINIMUM OF 10" HORIZONTAL AND 1" VERTICAL SEPARATION BETWEEN ALL DOMESTIC AND RECYCLED WATER LINES. RECYCLED WATER LINES SHALL BE SLEEVED AT ALL DOMESTIC WATER LINE CROSSINGS. REFER TO RECYCLED WATER CROSSING DETAIL FOR ADDITIONAL INFORMATION.

EQUIPMENT LOCATION APPROVAL
ALL VALVE BOX LOCATIONS AND ABOVE GRADE IRRIGATION EQUIPMENT ARE TO BE REVIEWED WITH THE PROJECT'S LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF MAINLINE TO ENSURE THAT THE EQUIPMENT IS LOCATED OUT OF SIGHT AND CONFLICTS WITH LANDSCAPING DO NOT OCCUR.

INSPECTION NOTE
OTAY WATER DISTRICT INSPECTION SHALL BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2241. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

COLOR CODING
SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS. DECAL ON RISERS WILL NOT BE ACCEPTED.



BrightView Design Group

PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

8 HUGHES, SUITE 150 IRVINE, CALIFORNIA 92618 (949) 238-4900

LANDSCAPE ARCHITECT

PLAN REVISION DESCRIPTION

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811 Know what's below. Call 811 before you dig.

SEEKS TO OBTAIN PERMITS ON SHEET TO OBTAIN PERMITS ON LIST OF DRAWINGS.

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

AGENCY SUBMITTAL #1

| PLAN SET | ISSUE DATE | PROJECT STATUS LOG | AGENCY SUBMITTAL #1 |
|----------|------------|--------------------|---------------------|
| A | 06/28/2023 | | |

BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012
SHEET TITLE: IRRIGATION LEGENDS
SHEET NUMBER: LI-000

C:\USERS\GARRYCOLLINS\ONE\DRIVE - ARROYO IRRIGATION\ARROYO IRRIGATION\DESIGN PROJECTS\BRIGHTVIEW SWIM CLUB\AUTOCAD\OTAY SWIM CLUB - IRR.DWG

C:\USERS\GARRY\COLLINS\DRIVE - ARROYO IRRIGATION\ARROYO IRRIGATION\DESIGN PROJECTS\BRIGHTVIEW SWIM CLUB\BUAUTOCAD\NOTAY SWIM CLUB - IRR.DWG

| Irrigation Pressure Calculation | | | | | |
|---------------------------------|--|------------|--------------------------------------|------------|---------------------|
| Water Meter #: | A | | Controller ID: | A | |
| Source of Information | Dexter Wilson Engineering/ Fernando Fregos | | | | |
| Phone Number | 760-438-4422 | | | | |
| Date of Information | 1/11/2023 | | | | |
| Basis for Calculation | Longest Run/Highest Elevation/Highest Flow | | | | |
| Water Meter Information | | | | | |
| Maximum Flow | 30 GPM | | | | |
| Service Line | 2.00" | | | | |
| Water Meter Size | 1.50" | | | | |
| Water Type | Recycled Water | | | | |
| Hydraulic Gradient | 680' | | | | |
| Elevation of Meter | 410' | | | | |
| Static Pressure | 116 PSI | | | | |
| Valve Information | | | | | |
| Automatic Control Valve | A16 | | | | |
| Size | 1.00" | | | | |
| Demand | 12 GPM | | | | |
| Elevation of Highest Head | 414' | | | | |
| Head Type | Drip | | | | |
| Friction Loss | | | | | |
| QTY | SIZE (INCHES) | TYPE | ITEM | FLOW (GPM) | PRESSURE LOSS (PSI) |
| 10' | 2.00" | Copper | Service Line | 30 GPM | 0.10 PSI |
| 1 | 1.50" | | Water Meter | 30 GPM | 1.81 PSI |
| 1 | 1.50" | RP Device | Basket Strainer | 30 GPM | 15.00 PSI |
| 1 | 1.50" | EFB-CP | Master Valve | 30 GPM | 2.35 PSI |
| 1 | 1.50" | | Flow Sensor | 30 GPM | 0.05 PSI |
| 2 | 2.50" | | Isolation Valves | 30 GPM | 0.02 PSI |
| 880' | 2.50" | PVC | Mainline | 30 GPM | 2.61 PSI |
| 1 | 1.00" | Drip Small | Automatic Control Valve | 12 GPM | 9.59 PSI |
| | | | Lateral Line Loss | | 4.00 PSI |
| | | | Fitting Loss (10%) | | 3.55 PSI |
| | | | Elevation Change | | 1.73 PSI |
| | | | Total System Losses | | 41 PSI |
| | | | Pressure to Operate Head | | 30 PSI |
| | | | Safety Factor | 20% | 14 PSI |
| | | | Static Pressure at Water Meter | | 116 PSI |
| | | | Residual Pressure / Boost Pressure | | 31 PSI |
| | | | Pressure Required with Safety Factor | | 85 PSI |

| Water Efficient Landscape Worksheet | | | | | | | | | | |
|---|--------------|-------------------|-------------------------------------|----------------------------|--------------|--|-----------------|-------------|--|--|
| Water Meter #: | A | | Controller ID: | A | | | | | | |
| CIMIS Zone or City: | State Zone 1 | | Reference Evapotranspiration (ETo): | 32.90 | | Landscape Type: | Non-Residential | | | |
| Landscape Area | | | | | | | | | | |
| Hydrozone # | Plant Type | Plant Factor (PF) | Irrigation Method | Irrigation Efficiency (IE) | ETAF (PF/IE) | Landscape Area Sq. Ft. | Percent % | ETAF x Area | Estimated Total Water Use (ETWU) Gallons | |
| | | | | | Totals: | | | | | |
| Special Landscape Area | | | | | | | | | | |
| Hydrozone # | Plant Type | Plant Factor (PF) | Irrigation Method | Irrigation Efficiency (IE) | ETAF (PF/IE) | Landscape Area Sq. Ft. | Percent % | ETAF x Area | Estimated Total Water Use (ETWU) Gallons | |
| Recycled Water | | | | | 1.00 | 25,523 | 100% | 25,523 | 520,618 | |
| Active Play | | | | | | | | | | |
| Edible Garden | | | | | | | | | | |
| Urban Forest | | | | | | | | | | |
| | | | | | Totals: | 25,523 | 100% | 25,523 | 520,618 | |
| Total Area (Sq. Ft.) | | | | | 25,523 | Sitewide Estimated Total Water Use (Gallons) | | 520,618 | | |
| Landscape Area Average ETAF | | | | | 0 | Maximum Applied Water Allowance (Gallons) | | 520,618 | | |
| All Landscape Area Sitewide ETAF | | | | | 0 | ETWU < MAWA | | COMPLIANT | | |
| 2016 Model Water Efficient Landscape Ordinance Formulas | | | | | | | | | | |
| MAWA = Maximum Applied Water Allowance | | | | | | | | | | |
| ETWU = Estimated Total Water Use | | | | | | | | | | |
| LA = Landscape Area (Sq. Ft.) | | | | | | | | | | |
| SLA = Special Landscape Area (Sq. Ft.) | | | | | | | | | | |
| ETo = Reference Evapotranspiration | | | | | | | | | | |
| PF = Plant Water Use Factor | | | | | | | | | | |
| IE = Irrigation Efficiency | | | | | | | | | | |
| ETAF = ET Adjustment Factor | | | | | | | | | | |
| $MAWA = ETo \times .62 \times [(LA \times ETAF) + SLA \times (1-ETAF)]$ $ETWU = \frac{ETo \times 0.62 \times LA \times PF}{IE}$ | | | | | | | | | | |

HYDROZONE NOTE

THE IRRIGATION PLANS COMPLY WITH THE STATE OF CALIFORNIA'S WATER EFFICIENT LANDSCAPE ORDINANCE PER THE FOLLOWING INFORMATION:

- LANDSCAPE HYDROZONE (NUMBER), IRRIGATION SQUARE FOOTAGE, PRECIPITATION RATE AND FLOW RATE ARE LOCATED IN THE STATION ID FOR ALL VALVES.
- HYDROZONE NUMBERS ARE ASSIGNED BY PLANT TYPE, PLANT WATER USE, AND IRRIGATION TYPE.
- THE WATER USE CALCULATIONS ARE ORGANIZED BY HYDROZONE CATEGORY NUMBER THAT CORRESPONDS TO THE HYDROZONE NUMBER IN THE STATION ID ON THE PLANS. EACH HYDROZONE CATEGORY SUMMARIZES THE TOTAL AREA OF EACH CATEGORY.
- WATER USE CALCULATIONS ARE PER WATER METER.
- REFER TO THE STATION ID SYMBOL (BELOW) FOR LOCATION OF HYDROZONE AND IRRIGATION DATA PROVIDED.

- DENOTES STATION NUMBER
- DENOTES STATION FLOW
- DENOTES VALVE SIZE
- DENOTES PRECIPITATION RATE
- DENOTES HYDROZONE
- DENOTES STATION PRESSURE
- DENOTES HYDROZONE NUMBER

BrightView
Design Group

PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

8 HUGHES, SUITE 150
IRVINE, CALIFORNIA 92618
(949) 238-4900

PLAN REVISION DESCRIPTION

811
Know what's below.
Call 811 before you dig.

REFER TO THE SHEET NUMBER ON SHEET TO DETERMINE COMPLETE LIST OF DRAWINGS.

| Smart Irrigation Controller Programming Recommendation | | | | | | | | | | | |
|--|-------------|--------------------|-------------------|----------------------------|----------------|----------------------------|------------|------------------------|------------------------|-------------------|------------------------|
| Water Meter #: | A | | CIMIS Zone: | Zone 1 | | Soil Type: | Loam | | | | |
| Controller ID: | A | | Peak ETo Per Day: | 0.15 | | | | | | | |
| Station # | Hydrozone # | Aspect Exposure | Plant Type | Peak Landscape Coefficient | Sprinkler Type | Precipitation Rate (In/Hr) | Efficiency | Establishment Schedule | | Maturity Schedule | |
| | | | | | | | | Cycles Per Week | Peak Runtime (Minutes) | Cycles Per Week | Peak Runtime (Minutes) |
| 1 | 12 | East - Partial Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 12 | 2 | 19 |
| 2 | 12 | South - Full Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 17 | 2 | 28 |
| 3 | 17 | South - Full Sun | Tree - Mod | 0.50 | Tree Bubblers | 3.8 | 0.81 | 1 | 10 | 1 | 10 |
| 4 | 12 | North - Shade | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 10 | 2 | 17 |
| 5 | 12 | North - Shade | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 10 | 2 | 17 |
| 6 | 12 | North - Shade | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 10 | 2 | 17 |
| 7 | 18 | North - Shade | Tree - Low | 0.30 | Tree Bubblers | 3.8 | 0.81 | 1 | 4 | 1 | 4 |
| 8 | 12 | West - Mostly Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 13 | 2 | 22 |
| 9 | 12 | South - Full Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 17 | 2 | 28 |
| 10 | 18 | South - Full Sun | Tree - Low | 0.30 | Tree Bubblers | 3.8 | 0.81 | 1 | 6 | 1 | 6 |
| 11 | 12 | West - Mostly Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 13 | 2 | 22 |
| 12 | 12 | West - Mostly Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 13 | 2 | 22 |
| 13 | 17 | West - Mostly Sun | Tree - Mod | 0.50 | Tree Bubblers | 3.8 | 0.81 | 1 | 8 | 1 | 8 |
| 14 | 12 | West - Mostly Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 13 | 2 | 22 |
| 15 | 18 | South - Full Sun | Tree - Low | 0.30 | Tree Bubblers | 3.8 | 0.81 | 1 | 6 | 1 | 6 |
| 16 | 12 | South - Full Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 17 | 2 | 28 |
| 17 | 12 | South - Full Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 17 | 2 | 28 |
| 18 | 17 | South - Full Sun | Tree - Mod | 0.50 | Tree Bubblers | 3.8 | 0.81 | 1 | 10 | 1 | 10 |
| 19 | 17 | East - Partial Sun | Tree - Mod | 0.50 | Tree Bubblers | 3.8 | 0.81 | 1 | 7 | 1 | 7 |
| 20 | 12 | East - Partial Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 12 | 2 | 19 |
| 21 | 12 | East - Partial Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 12 | 2 | 19 |
| 22 | 17 | South - Full Sun | Tree - Mod | 0.50 | Tree Bubblers | 3.8 | 0.81 | 1 | 10 | 1 | 10 |
| 23 | 12 | South - Full Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 17 | 2 | 28 |
| 24 | 17 | South - Full Sun | Tree - Mod | 0.50 | Tree Bubblers | 3.8 | 0.81 | 1 | 10 | 1 | 10 |
| 25 | 12 | South - Full Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 17 | 2 | 28 |
| 26 | 12 | South - Full Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 17 | 2 | 28 |
| 27 | 12 | South - Full Sun | Shrub - Low | 0.30 | Inline Drip | 0.6 | 0.81 | 3 | 17 | 2 | 28 |
| IRRIGATION SCHEDULES ARE RECOMMENDATIONS ONLY AND ARE TO BE USED IN A BASIC ET PROGRAM IN A SMART IRRIGATION CONTROLLER. CONTRACTOR TO ADJUST IRRIGATION SCHEDULES PER SITE CONDITIONS. CONTRACTOR TO ENABLE CYCLE AND SOAK FEATURES AS NEEDED TO PREVENT RUN OFF. OVERHEAD IRRIGATION SHALL BE SCHEDULED BETWEEN 8:00 P.M. AND 10:00 A.M. UNLESS WEATHER CONDITIONS PREVENT IT. IF ALLOWABLE HOURS OF IRRIGATION DIFFER FROM THE LOCAL WATER PURVEYOR, THE STRICTER OF THE TWO SHALL APPLY. OPERATION OF THE IRRIGATION SYSTEM OUTSIDE THE NORMAL WATERING WINDOW IS ALLOWED FOR AUDITING AND SYSTEM MAINTENANCE. | | | | | | | | | | | |

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

AGENCY SUBMITTAL #1

| PLAN SET | ISSUE DATE | PROJECT STATUS LOG |
|----------|------------|---------------------|
| A | 06/28/2023 | AGENCY SUBMITTAL #1 |

BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012

IRRIGATION CALCULATIONS

SHEET NUMBER
LI-001

ARROYO
IRRIGATION CONSULTING
27762 ANTONIO PARKWAY L1-308
LADERA RANCH, CA 92694
(949) 430-7030

INSPECTION NOTE
OTAY WATER DISTRICT INSPECTION SHALL BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2241. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

IRRIGATION SYSTEM

1. GENERAL

- a. Permits: Contractor shall obtain and pay for all permits required for irrigation installation.
b. Manufacturer's Directions: Manufacturer's directions and detailed drawings shall be followed in all cases where the manufacturers of articles used in this Contract furnish directions covering points not shown in the Drawings and Specifications.
c. Ordinances and Regulations:
1. Comply with all local, municipal and state laws, rules and regulations.
2. Conform to applicable provisions of the latest editions of the Uniform Plumbing Code, the National Electric Code and all codes properly governing the materials and work at the project site.
d. Explanation of Drawings:
1. Due to the scale of the Drawings, it is not possible to indicate all offsets, fittings, sleeves, etc., which may be required. The Contractor shall carefully investigate the structural and finished conditions affecting all of his work and plan his work accordingly, furnishing such fittings, etc., as may be required to meet such conditions. Drawings are generally diagrammatic and indicative of the work to be installed. The work shall be installed in such a manner as to avoid conflicts between the irrigation system, planting, underground utilities, above ground utilities and architectural features.
2. All work called for on the Drawings by notes or details shall be furnished and installed whether or not specifically mentioned in the Specifications.
3. The Contractor shall not willfully install the irrigation system as shown on the Drawings when it is obvious in the field that obstructions, grade differences, or discrepancies in area dimensions exist that might not have been considered in engineering. Such obstructions or differences should be brought to the attention of the Owner's Authorized Representative. In the event this notification is not performed, the Contractor shall assume full responsibility for any revision necessary.

2. AS-BUILT DRAWINGS

- a. Record accurately on one set of black and white prints (irrigation drawings), all changes in work constituting departures from the original contract drawings. Include changes in both pressure and non-pressure lines. Upon completion of each increment of work, transfer all such information and dimensions to the prints. Record changes and dimensions in a legible and professional manner. When the drawings are approved, the Contractor shall perform all final as-built drawings.
c. Dimension from two permanent points of reference (monuments, sidewalks, curbs, pavement). Record information on as-built drawings day-to-day as the work is installed. All dimensions noted on the drawings shall be 1/4 inch in size.
d. Show dimensional locations and depths of the following:
1. Connection to existing water lines.
2. Connection to existing electrical power.
3. Point of connection - including backflow assembly, basket strainer, master valve, flow sensor.
4. Isolation valves.
5. Routing of sprinkler pressure lines (dimension max. 100' along routing and at each change of direction).
6. Electric control valves.
7. Routing of control wiring and flow sensor cable.
8. Quick coupling valves.
9. Sleeves and wire splice boxes.
10. Other related equipment as directed by the Owner's Authorized Representative.
e. Maintain as-built drawings on site at all times

3. CONTROLLER CHARTS

- a. As-built drawings shall be provided by the Contractor prior to the preparation of the Controller Charts. As-builts shall be drawn on 3 mil sepia mylar of same size as construction documents.
b. The Contractor shall provide two 11 x 17 color controller charts for each controller supplied, showing the area covered by the automatic controller.
c. The chart shall be a reproduction of the as-built system drawing. If the controller sequence is not legible when the drawing is reduced, enlarge it to a size that will be readable when reduced.
d. Charts shall be a photocopy print or computer plot with a different transparent color used to show area of coverage for each station.
e. When completed and approved, hermetically seal the chart between two pieces of plastic, each piece being a minimum of 10 mils thick.

4. OPERATION AND MAINTENANCE

- a. Prepare all required and necessary descriptive material in complete detail and sufficient quantity, properly prepared in two individually bound copies. Describe the material installed in sufficient detail to permit qualified maintenance personnel to understand, operate and maintain the equipment. Each manual shall include the following:
- Index sheet stating contractor's address and telephone number.
- Duration of guarantee period with guarantee forms.
b. Operation and maintenance manuals.
c. Two (2) keys for each automatic controller.
d. One (1) set of special tools required for removing, disassembling and adjusting each type of sprinkler and valve supplied on this project.
e. Color-coded controller charts laminated between 2 pieces of 10 mil plastic - Provide two charts for each controller.
f. "As-built" record drawing mylars of irrigation plans.
g. Completed Irrigation Guarantee Statement.

5. SPARE PARTS AND EQUIPMENT

- a. Prepare and deliver to the Owner's Authorized representative, prior to the start of maintenance, all required spare parts, tools and equipment. Spare parts, tools, and equipment shall include the following per water meter:
1. Operation and maintenance manuals.
2. Two (2) keys for each automatic controller.
3. One (1) set of special tools required for removing, disassembling and adjusting each type of sprinkler and valve supplied on this project.
4. Color-coded controller charts laminated between 2 pieces of 10 mil plastic - Provide two charts for each controller.
5. "As-built" record drawing mylars of irrigation plans.
6. Completed Irrigation Guarantee Statement.

6. QUALIFICATION OF IRRIGATION PERSONNEL

- A. Contractor and on site field superintendent shall have the following minimum qualifications:
1. Not less than five years continuous experience in installation of commercial irrigation systems.
2. Upon Owner's request, supply a list of references listing successfully completed commercial irrigation systems.
b. The guarantee form shall be written onto the Contractor's letterhead and contain the following information. (Shown as an example only)

Guarantee for Irrigation System
We hereby guarantee that the irrigation system we have furnished and installed for Project Name, is free from defects in materials and workmanship, and the work has been completed in accordance with the drawings and specifications, ordinary wear and tear and unusual abuse, or neglect expected. We agree to repair or replace any defects in material or workmanship which may develop during the period of one (1) year from date of acceptance and also to repair or replace any damage resulting from the repairing or replacing of such defects at no additional cost to the Owner. We shall make such repairs or replacements within a reasonable time, as determined by the Owner, after receipt of written notice. In the event of our failure to make such repairs or replacements within a reasonable time after receipt of such written notice from the Owner, we authorize them to proceed to have said repairs or replacements made at our expense and we will pay for the costs and charges therefore upon demand.
Project Name: _____ Owner: _____
Landscape Architect: _____
Tract Number(s) _____ Lot Number(s) _____
Signed: _____ Title: _____
Address: _____ Telephone: _____
Date of Signature: _____

PRODUCTS

1. GENERAL PIPING

- a. Contractor shall be aware of sources of water for each water meter as they may vary within the same project. Differing sources of water may be treated with colored piping system.
b. Recycled water pipe (Pressurized mainline and laterals) shall be extruded of an improved P. V. C. virgin pipe compound featuring high impact strength. Confirm to ASTM D-1784 or D-2241 to meet the requirements of cell classification 12454B for pipe. Compound shall have a 2,000 P. S. I. hydrostatic design stress rating. Pipe shall be purple in color.
c. Ultra-Violet Resistant (UVR) pipe shall be extruded of an improved PVC. virgin pipe compound featuring high impact strength. Confirm to ASTM D-1784 or D-2241 to meet the requirements of cell classification 12454B for pipe. Compound shall have a 2,000 P.S.I. hydrostatic design stress rating.
d. UVR water pipe shall be manufactured using ASTM G-53 testing for accelerated weathering to resist weakening or corrosion by ultra-violet radiation. Pipe shall be brown colored. UVR water pipe shall use Sch. 40 PVC fittings manufactured of the same material or process as the UVR pipe on which they are used.

Type: Pipe: Pacific Plastics, or approved equal.

- e. Pipe materials shall be used as follows:
1. Mainlines (pressurized) 1-1/2 inch and smaller downstream of backflow unit: Schedule 40 solvent-weld PVC, unless otherwise noted.
2. Mainlines (pressurized) 2 inch through 3 inch downstream of backflow unit: Class 315 solvent-weld PVC, unless otherwise noted.
3. Lateral lines: Schedule 40 PVC solvent-weld PVC, 3/4 inch and above unless otherwise noted.

2. PLASTIC PIPE FITTINGS

- a. Solvent weld pipe, extruded of an improved PVC, virgin pipe compound featuring high impact strength. Confirm to ASTM D-1784 or D-2241 to meet the requirements of cell classification 12454B for pipe. Compound shall have a 2,000 P.S.I. hydrostatic design stress rating.
b. All pipe and fittings shall bear the following markings: Manufacturer's name, nominal pipe size, schedule or class, pressure rating P.S.I., NSF, and date of extrusion.
c. Make solvent cement joints for plastic pipe and fittings as prescribed by the manufacturer and shall be low-volatile.
d. All PVC fittings shall be Schedule 40 PVC, and shall be injection molded of an approved PVC fitting compound featuring high tensile strength, high chemical resistance, and high impact strength. Fittings shall conform to ASTM D-1784, and meet the requirements of cell classification 12454B. Where threads are required in plastic fittings, these shall be injection molded also.

Type: Spears or approved equal.

- e. All threaded nipples shall be standard weight Schedule 80, with molded threads.
f. Nipples on pressurized mainline shall be Sch. 30 Thread One End (T.O.E.) with the threaded side attached to the FIPT device and the SLP and attached to the pressure mainline with a SLP coupling.
g. Use 3/4 inch size Teflon tape on all threaded ends.

3. COPPER PIPE AND FITTINGS

- a. Copper Pipe shall be Type K, hard tempered, ASTM B88, with fittings of wrought solder joint type in accordance with ANSI B16.22.
b. Solder joints with silver solder: 45 percent silver, 15 percent copper, 16 percent zinc, 24 percent cadmium and soldus as 1125 degrees F. and liquids at 1145 degrees F., conforming to ASTM B206 and FS QQB-655C.

Type: Fittings: Nibco or approved equal.

4. BRASS PIPE FITTINGS

- a. Brass pipe shall be American National Standard Institute (ANSI), Schedule 40 screwed pipe.
b. Fittings shall be medium brass, screwed, 125 pound class.

5. GALVANIZED STEEL PIPE & FITTINGS

- a. Galvanized steel pipe shall be hot dip galvanized Schedule 40 screwed pipe.
b. Fittings shall be hot dip galvanized Schedule 40, screwed.
c. All galvanized pipe and fittings installed below grade shall be painted with two (2) coats of Koppers 450 bituminous.

6. SHUT OFF VALVES

- a. Shut off valves shall be of the brand, size and type indicated on the irrigation plans.

7. QUICK COUPLING VALVES

- a. Quick coupler valves shall be of the brand, size and type indicated on the irrigation plans.
b. Quick coupler valves shall have a body constructed of red brass with a wall thickness guaranteed to withstand normal working pressure of 150 P.S.I. without leakage, with female threads opening at base.
c. Quick coupler valve shall have a hinge cover constructed of red brass with a leather like vinyl cover bonded to it a permanent type of cover.
d. Quick couplers used with potable water shall have vinyl covers purple in color.
e. Quick coupler valve shall be operated only with quick coupler key, designed for that purpose. Quick coupler key is inserted into the valve and a positive, water-tight connection shall be made between coupler key and valve.
f. Locate all quick coupling valves within 12 - 18 inches of walks, curbs, header boards, or paved areas where applicable. Locate quick coupler valves inside shrub and ground cover areas when ever possible. Quick coupling valves shall be installed such that valve top will be 3 inch below the lid of the valve box.

8. REMOTE CONTROL VALVES

- a. Remote control valves shall be of the brand, size and type indicated on the irrigation plans.
b. The remote control valve shall be normally closed 24 VAC solenoid actuated globe pattern, spring loaded diaphragm type.
c. The valve shall be pressure rated up to 200 P.S.I.
d. The valve shall have a 600 pound test fabric reinforced rubber diaphragm assembly with self-cleaning stainless steel screen.
e. The body and bonnet shall be plastic and the valve shall have a stainless steel control / shut-off stem and manual operator.
f. The valve shall provide for all internal parts to be removable from the top without disturbing the valve installation.
g. Install valves in planting areas and according to the construction details. Only one valve per box will be allowed.
h. Align valve boxes at right angles to adjacent hardscape whenever possible. Where several valve boxes are located in the same area, arrange them in a uniform and orderly fashion.
i. When grouped together, allow a minimum of 12 inches between valves. The valves shall be installed in valve boxes which will have enough room on all sides of the valves to allow repair personnel to completely reconstruct the valves without removing the valve box.

9. CONTROLLER SATELLITES

- a. All materials furnished and installed shall be new and shall conform to manufacturer's installation instructions and these specifications.
b. Controllers shall be of the brand, size and type indicated on the irrigation plans.

10. WIRE SPLICES

- a. Conductors shall be installed with no underground splices, unless absolutely necessary and unavoidable. Any and all underground splices that are required to be made, must be approved by the Irrigation Consultant, and shall be placed in a suitable type valve box for easy access.
b. All wire splice boxes shall be noted on the irrigation as-built drawings.

11. LOW VOLTAGE CONTROL WIRING

- a. Connections between the controller and remote control valves shall be made with direct burial UF type wire, installed in accordance with valve manufacturer's wire chart and specifications.
b. Wire shall be soft drawn bare copper meeting the requirements of ASTM specification B-3 or B-8 10 C - 60 C.
c. Wire shield shall be Polyvinyl chloride, 60 C rated conforming to UL Standards 493 and 83.
d. Shield shall be surface marked with Paige-Electric voltage rating, size and type, and UL file number.
e. All cables shall be tested physically and electrically in accordance with UL Standard 493, and 83 (paragraphs 28.1, 29.1 and 29.2). All reels and cartons shall bear UL labels.
f. Wiring shall be installed adjacent to the mainline whenever possible and shall never be installed above or below the pipe.
g. Where more than one wire is placed in a trench, the wiring shall be taped together using black electrical tape at intervals of 10 feet.

h. All splices shall be made using sealed waterproof connectors.

- i. An expansion curl shall be provided at all directional changes. Expansion curls shall be sufficient length at each splice connection at each electric control valve, so that in case of repair, the valve bonnet may be brought to the surface without disconnecting the control wires.
j. Control wires shall be laid loosely in the trench without stress or stretching of control wire conductors. A thirty six (36) inch expansion loop shall be located every 100 feet on continuous wire runs.
k. Spacing of the lead wire shall be in accordance with irrigation drawings and manufacturer's recommendations, in no case shall the thickness of the wire be less than #14 AWG.
l. All leads wires to be #14 AWG.
m. All common wire shall be #14 AWG.
n. Use continuous wire between controller and remote control valves. Under no circumstances shall splices exist without prior approval. Any splices allowed shall be installed in a labeled pull box.
o. All control wires shall be uniform in color. When more than one controller is installed use a different color wire for each controller.
p. All common wires and only common wires shall be white in color. When more than one controller is installed use white colored wire with a different color stripe for each controller. Green color shall not be used except for ground wire. Color of the stripe shall match the color of the control wire.

12. VALVE BOXES

- a. Valve boxes shall be used as durable, rigid enclosures for valves or other irrigation system components requiring subsurface protection for installation or maintenance.
b. The valve box shall be made of structural foam HDPE resin that is resistant to UV light, weather, moisture, and chemical action of soils.
c. The standard rectangular body shall have knock-outs molded into the sides that can be readily removed. The knock-outs shall remain an integral part of the body unless removed to run pipes or wires through the valve box.
d. The valve box shall have corrugated sides.
e. Rectangular valve boxes shall have a grooved feature on one side, just below the lid at the top of the box, for inserting a shovel blade or other prying tool to provide easy lid removal. This is useful following collection of the surrounding soil or after the eventual accumulation of trash over the valve box.
f. There shall be no hole in the valve box lid unless the bolt-hole knock-out is removed in order to use the locking bolt. Lids shall have beveled edges to minimize potential damage from lawn equipment.
g. Lids shall be clearly marked with the words "Irrigation Control Valve" molded onto the top. Lids shall have a marking area measuring at least 6 inch by 2 inch that is suitable for branding or other means of identification.
h. The locking bolt, washer, and dip shall be made of stainless steel.
i. Valve box types and sizes shall be furnished and installed per the irrigation legends and details.
j. Valve boxes and covers shall be purple in color.
k. Identification letters or numbers shall be 2 inch high and heat branded onto the box cover. Identification shall be as indicated on the detail drawings.
l. Heat branding shall be accomplished using branding irons specifically designed for this purpose. Heat branding shall not weaken or in any way puncture the valve box cover.

13. SPRINKLER HEADS

- a. Full circle, part circle pressure regulating spray heads and built-in check valve sprinkler heads:
1. The sprinkler body, stem nozzle and screen shall be constructed of heavy duty plastic.
2. The sealing device shall create no more than one (1) PSI pressure drop at maximum rated pressure and flow.
3. The sprinkler shall have a strong stainless steel retract spring for positive pop-down. Pop-up height shall be as indicated on the irrigation drawings and no less than 6 inches.
4. The sprinkler shall have a screen under the nozzle to protect it from clogging and for easy removal for cleaning and flushing system.
5. The sprinkler shall be equipped with a built in pressure regulating device capable of regulating an inlet pressure of 35 - 70 PSI to 35 PSI for proper operation of the spray head. The pressure regulating device shall be constructed of stainless steel springs and heavy duty plastic parts.
6. Pop-up sprinklers shall be equipped with a built in anti-drain valve capable of holding water within the sprinkler head from up to 8 feet of elevation change. The check valve equipped pop-up sprinkler shall be identified on the cap as being so equipped.
7. The sprinkler shall have a matched precipitation rate (MPR) plastic nozzle with an adjusting screw capable of regulating the radius and flow.
8. MPR nozzles - The plastic nozzles shall have matched precipitation rates across sets (8 feet, 10 feet, 12 feet, 15 feet). The spray nozzles shall have female thread configuration for use on the 1800 series sprinkler and the PA-6S plastic shrub adapter.
9. Rotary Nozzles shall have multiple arc stream and have a matched precipitation rate of 0.60 in/hr. The Rotary Nozzle shall be constructed of UV-resistant plastic. The radius adjustment screw shall be of stainless steel.
10. The Rotary Nozzles shall include a removable .02 x .02 mesh screen to protect the nozzle against clogging. The Rotary Nozzle shall have a precipitation rate matched with Rain Bird 5000/5000 Plus/MPR Rotary Nozzles.

Type: Pop-up: Rain Bird 1800-PRS Series

14. Sub-Surface Drip Irrigation System

- a. Drip tubing shall be of nominal sized one-half inch low density, ultra-violet-resistant, linear polyethylene tubing with internal pressure-compensating, self cleaning, integral drippers with check valve feature at a specified interval. The low volume tubing shall be capable of a discharge rate of 0.60 gallons per hour (GPH) between operating pressures of 7 to 70 psi for each individual dripper.
b. The individual self-cleaning, pressure-compensating, check valve type drippers shall be welded to the inside of the tubing wall.
c. Dripper spacing shall be 12 inch on center.
d. All insert barbed fittings shall be constructed of molded, ultra-violet-resistant, brown colored plastic having a nominal inside dimension (I.D.) of 0.57 inch (17 mm). Each fitting shall have a minimum of two ridges or barbs per outlet. All fittings shall be Rain Bird and shall be available in one of the following end configurations:
1. barbed insert fittings.
2. male pipe threads (MPT) with barbed insert fittings or female pipe threads (FPT) with barbed insert fittings.
e. The check valve feature of the inline tubing shall be capable of holding 5 feet of water due to elevation change in the tubing layout. Tubing exceeding 5 feet of elevation change will require a separate header supply line with an independent inline check valve to ensure drainage of the system does not occur after valve operation is completed.
f. Non-pressure supply and exhaust headers shall be rigid, un-plasticized polyvinyl chloride PVC 1220, (Type 1, Grade 2), schedule 40 with schedule 40 PVC.

15. CHECK VALVES

- a. Provide check valves and/or anti-drain valves as may be required by the Irrigation Consultant to prevent drainage of irrigation water from sprinkler system due to changes in elevation.
b. Anti-drain valves shall be of heavy duty virgin PVC construction with F.I.P. thread inlet and outlet. Internal parts shall be stainless steel and neoprene. Anti-drain valve shall be field adjustable against drawout from 4 to 32 feet of head.

16. MISCELLANEOUS EQUIPMENT

- a. Gravel: All gravel used in valve boxes shall be washed crushed gravel of approximately 3/4 inch size. No pea gravel shall be used.
b. Identification tags with numbers are required on all valves.
Type: Christy Tags (yellow background with black lettering)
c. Swing Joint Assemblies: All sprinklers shall be installed with triple swing joints. Assembly shall be sized per the sprinkler inlet, with a 6 inch minimum lay length. 1/2 inch swing joints shall be made with marlex street elfs. 3/4 inch and larger swing joints shall be made with Sch. 40 PVC street elfs.

EXECUTION

1. INSPECTION SCHEDULE

- a. Contractor is responsible for notifying the Irrigation Consultant 48 hours in advance for on-site meetings and observations.
b. As-built drawings must be submitted to the Irrigation Consultant for approval prior to site inspection; no inspection will commence without as-built drawing approval.
c. When performing the irrigation coverage test, the contractor shall be responsible for having a two-way communication system or sufficient personnel, so that the directions from the inspection area to the controller of the system can be readily accomplished.

2. WATER SUPPLY

- a. Utilize water meter and provide connections to backflow prevention unit per the irrigation drawings and details.
b. Connections to the existing water meter shall be at the approximate locations shown on the drawings. Minor changes caused by actual site conditions shall be made without additional cost to Owner.
c. Any R.P. backflow prevention unit shall be tested by a certified backflow prevention technician and its operation certified in writing. Landscape Contractor to arrange and pay for all testing and certification fees. The original written certification of the backflow prevention unit is to be submitted to the Irrigation Consultant.

3. LAYOUT

- a. Lay out irrigation heads and make any minor adjustments required due to differences between site and the drawings. Any such deviations in layout shall be within the intent of the original drawings and approved by the Irrigation Consultant.
b. Lay out all irrigation equipment using an approved staking method, and maintain the staking of approved layout.
c. All layouts in deviation of the design intent shall be approved by the Irrigation Consultant prior to equipment installation.
d. Before starting work on irrigation system, determine that work may proceed without disruption of activities of other trades.
e. The contractor shall carefully check grades to ensure that the area is safe to begin work.
f. Contractor is responsible for taking all reasonable investigative actions and precautions, when working around any utility system. Underground Service Alert shall be utilized where possible.
g. Contractor shall be responsible for verification of site conditions and minor revisions as approved by the Irrigation Consultant to insure 100% irrigation coverage in all areas.

4. ASSEMBLIES

- a. Routing of irrigation lines as indicated on drawings is diagrammatic. Install lines (and various assemblies) to conform to details on plans. Whenever possible, place all irrigation gate valves, remote control valves, quick couplers, pull boxes, etc. in the shrub planting areas. Irrigation elements drawn in hardscape areas on the plans are for graphic clarity only and intended to be placed in shrub planting areas.
b. Do not install multiple assemblies on plastic lines. Provide each assembly with its own outlet.
c. Install all assemblies specified herein according to the respective detail drawings or specifications, using the best standard practices with good workmanship.
d. Assemble brass pipe / fittings and plastic pipe / threaded fittings, using Teflon tape applied to the male threads only.
e. Install concrete thrust blocking per detail on all mainline with gasketed pipe.

5. LINE CLEARANCE

- a. All lines shall have a minimum clearance of 4 inches from each other and 24 inches from lines of other trades.
b. Do not install parallel lines directly over one another.

6. TRENCHING

- a. Dig trenches and support pipe continuously on bottom of trench. Lay pipe to an even grade. Pipe shall be snaked from side to side to allow for expansion and contraction. Trenching excavation shall follow layout indicated and as noted.
b. Refer to details for trenching and pipe installation under paving dimensions.

7. BACKFILLING

- a. Initial backfill on all lines shall be of a fine granular material, not larger than 1/2 inch diameter.
b. Compact backfill to 95 density equal to 95 percent compaction, conforming to adjacent grades without dips, sunken areas, bumps, or other irregularities.
c. In appropriate types of soil, the Irrigation Consultant may authorize the use of flooding in lieu of tamping.
d. Under no circumstances shall vehicle wheels be used for compacting soil.
e. Provide sand backfill a minimum of 4 inches over and under all piping under paved areas, and a minimum of 2 inches on all other piping.
f. If settlement occurs and subsequent adjustments in pipe, valves, irrigation heads, turf or other plantings, or other construction are necessary, the contractor shall make all required adjustments without cost to the Owner.

8. FLUSHING THE SYSTEM

- a. After all irrigation pipe lines and risers are in place and connected, and prior to installation of irrigation heads, the control valves shall be opened and a full head of water used to flush out the system.
b. Sprinkler heads shall be installed only after flushing of the system has been accomplished to the complete satisfaction of the Irrigation Consultant.

9. UNDER EXISTING AND/OR PROPOSED PAVEMENT:

- a. Trenches located under areas where paving, asphaltic concrete or concrete will be installed shall be backfilled with sand and compacted in layers to 95 % compaction, using manual or mechanical tamping devices. Trenches for piping shall be compacted to equal the compaction of the existing adjacent undisturbed soil and shall be left in flush with the adjoining grade. The irrigation contractor shall set in pipe, cap and pressure test all piping under paving prior to paving work.
b. Piping under existing pavement may be installed by jacking, boring, or hydraulic driving. However, no hydraulic driving will be permitted under asphalt paving.
c. Provide a minimum cover of 18 inches between the top of the pipe and the bottom non-pressure piping (laterals) installed under asphaltic concrete paving.
d. Sleeves shall be two times the diameter of lateral line, mainline, and wire bundle size, and a minimum of 2 inch size. Install separate sleeves for each use.
e. Under public roads, all mainlines and lateral piping must have a minimum cover of 36 inches from the top of the pipe to the bottom of aggregate base or per local code.
f. Secure permission from the Irrigation Consultant before cutting or breaking existing pavement. All necessary repairs and replacements shall be approved by the Irrigation Consultant and Owner at no additional cost to the Owner.

10. CONTROLLER

- a. The contractor shall install a new controller as specified on the irrigation drawings.
b. Controller shall be installed in the locations indicated on the irrigation drawings and approved by the Irrigation Consultant.
c. Contractor shall install separate sleeve conduits for phone line, control wiring, ground wire and electrical power wires as required.
d. Controller shall be installed in shrub areas only.
e. Install controller per local electrical code.

11. IRRIGATION HEADS

- a. Install irrigation heads as indicated on the irrigation drawings.
b. Spacing of heads shall not exceed the maximum indicated. In no case shall the spacing exceed the maximum recommended by the manufacturer.
c. Heads along curbs, walks, paving, etc., shall be placed 1/2 inch above finish grade.
d. Final sprinkler head heights shall be as indicated on the irrigation detail drawings. All sprinkler heads installed adjacent to hardscape features shall be located min. 4 inches of the edge of the hardscape feature for turf and 6 inches for shrub heads.
e. All irrigation heads shall be set perpendicular to finish grades unless otherwise indicated on the plans.

12. ADJUSTING THE SYSTEM

- a. The contractor shall flush and adjust all irrigation heads and valves for optimum performance and to eliminate over spray onto walks, roadways, buildings, walls and other structures.
b. If it is determined that adjustments in the irrigation equipment or nozzle changes will provide proper and more adequate coverage, make all such changes or make arrangements with the manufacturer and Irrigation Consultant to have adjustments made, prior to any planting.
c. Coverage must be 100 % head-to-head and accepted by the Irrigation Consultant. Furnish all materials and perform all work required to correct any inadequacies of coverage due to deviations from the plans or where the system has been willfully installed as indicated in the drawings, when it is obviously inadequate or inappropriate, without bringing this to the attention of the Irrigation Consultant. This test shall be accomplished before any plant material is planted (excluding trees).

13. COVERAGE TEST

- a. When the irrigation system is completed, perform a coverage test in the presence of the Irrigation Consultant to determine if the water coverage for turf, planting and slope areas is complete and adequate.
b. Coverage must be 100 % head-to-head and accepted by the Irrigation Consultant. Furnish all materials and perform all work required to correct any inadequacies of coverage due to deviations from the plans or where the system has been willfully installed as indicated in the drawings, when it is obviously inadequate or inappropriate, without bringing this to the attention of the Irrigation Consultant. This test shall be accomplished before any plant material is planted (excluding trees).

14. MAINTENANCE

- a. The entire irrigation system shall be under full automatic operation for a period of seven days prior to any planting or hydroseeding (excluding trees).

15. COMPLETION CLEANING:

- a. Upon completion of the work, make ground surface-level, remove excess materials, rubbish, debris, etc., and remove construction and installation equipment from the premises.

END OF SECTION

BrightView Design Group
PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN
8 HUGHES, SUITE 150 IRVINE, CALIFORNIA 92618 (949) 238-4900
PLAN REVISION DESCRIPTION
811 Know what's below. Call 811 before you dig.
SEEKS TO SHEET NUMBER ON SHEET COVERED BY THIS LIST OF DRAWINGS.

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA
AGENCY SUBMITTAL #1

Table with columns: PLAN SET, ISSUE DATE, PROJECT STATUS LOG, AGENCY SUBMITTAL #1. Row A: 06/28/2023, PROJECT STATUS LOG, AGENCY SUBMITTAL #1.

BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012
IRRIGATION SPECIFICATIONS
LI-002

ARROYO IRRIGATION CONSULTING
27762 ANTONIO PARKWAY L1-308
LADERA RANCH, CA 92694
(949) 430-7030

INSPECTION NOTE
OTAY WATER DISTRICT INSPECTION SHALL BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2241. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.

C:\USERS\GARRY\COLLINS\DRIVE - ARROYO\IRRIGATION\ARROYO IRRIGATION\DESIGN PROJECTS\BRIGHTVIEW SWIM CLUB\AUTOCAD\OTAY SWIM CLUB\IRR.DWG

DEPARTMENT OF ENVIRONMENTAL HEALTH RECYCLED WATER NOTES

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE OTAY WATER DISTRICT'S RULES AND REGULATIONS.
2. DRINKING WATER FOUNTAINS AND DESIGNATED OUTDOOR EATING AREAS SHALL BE PROTECTED AGAINST CONTACT WITH RECYCLED WATER SPRAY, MIST, OR RUNOFF.
3. BEST MANAGEMENT PRACTICES SHALL BE USED TO ELIMINATE OR CONTROL TO THE BEST EXTENT POSSIBLE PONDING, RUN-OFF, OVER-SPRAY AND MISTING.
4. HOSE BIBS ARE STRICTLY PROHIBITED.
5. CROSS-CONNECTIONS BETWEEN RECYCLED WATERLINES AND POTABLE WATER LINES ARE STRICTLY PROHIBITED.
6. NO SUBSTITUTIONS OF PIPE MATERIALS WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE OTAY WATER DISTRICT.
7. ALL MAINLINE PIPES SHALL HAVE WARNING TAPE PER OTAY WATER DISTRICT'S RULES AND REGULATIONS.
8. HOURS FOR IRRIGATION WITH RECYCLED WATER ARE FROM 9:00P.M. TO 6:00 A.M. THE HOURS FOR IRRIGATION WITH DISINFECTED TERTIARY RECYCLED WATER MAY BE MODIFIED BY THE LOCAL AUTHORITY. IRRIGATION DURING PUBLIC USE PERIODS WITH DISINFECTED TERTIARY RECYCLED WATER SHALL BE UNDER THE SUPERVISION OF THE DESIGNATED USER SUPERVISOR. IRRIGATION WITH WATER OF A LESSER QUALITY THAN DISINFECTED TERTIARY RECYCLED WATER SHALL BE BETWEEN THE HOURS OF 9:00P.M. AND 6:00 A.M.
9. BURIAL OF ALL WIRING AND PIPING SHALL MEET OTAY WATER DISTRICT'S RULES AND REGULATIONS.
10. NON-DESIGNATED USE AREAS SHALL BE PROTECTED FROM CONTACT WITH RECYCLED WATER, WHETHER BY WINDBLOWN SPRAY OR BY DIRECT APPLICATION THROUGH IRRIGATION OR OTHER USE. LACK OF PROTECTION, WHETHER BY DESIGN, CONSTRUCTION PRACTICE OR SYSTEM OPERATION, IS STRICTLY PROHIBITED.
11. IRRIGATION HEADS SHALL BE RELOCATED OR ADJUSTED TO MINIMIZE OR ELIMINATE OVER-SPRAYING ON SIDEWALKS, STREETS AND NON DESIGNATED USE AREAS.
12. RECYCLED WATER QUICK COUPLING VALVES SHALL BE OF A TYPE DESIGNED FOR THE USE ON RECYCLED WATER DISTRIBUTION SYSTEMS PER OTAY WATER DISTRICT'S RULES AND REGULATIONS.
13. ON RECYCLED WATER SYSTEMS, ALL APPURTENANCES (SPRINKLER HEADS, VALVE BOXES, ETC.) SHALL BE COLOR-CODED PURPLE PER AWWA GUIDELINES AND SECTION 116815 OF THE CALIFORNIA HEALTH AND SAFETY CODE.
14. ALL IRRIGATION PIPES SHALL BE STENCILED WITH THE WARNING, "NON- POTABLE OR RECYCLED WATER," COLOR-CODED (PURPLE) AND LAID WITH WARNING TAPE AND STENCILING ORIENTED TOWARD THE TOP OF THE TRENCH PER OTAY WATER DISTRICT'S RULES AND REGULATIONS.
15. ON NEW ON-SITE SYSTEMS (POST-METER), POTABLE WATER, CONSTANT PRESSURE RECYCLED WATER AND SEWER LINES SHOULD BE PLACED A MINIMUM OF FOUR FEET APART OR AS DIRECTED BY THE PROJECT ENGINEER AND/OR REGULATORY AGENCY. MEASUREMENTS SHALL BE BETWEEN FACING SURFACES, NOT PIPE CENTERLINES.
16. CONSTANT PRESSURE RECYCLED WATERLINES SHALL CROSS AT LEAST TWELVE INCHES BELOW POTABLE WATERLINES AND MAINTAIN AT LEAST TWELVE INCHES CROSSING SEPARATION BETWEEN OTHER UTILITIES.
17. IF A CONSTANT PRESSURE RECYCLED WATER LINE MUST BE INSTALLED ABOVE A POTABLE WATER LINE OR LESS THAN TWELVE INCHES BELOW A POTABLE WATER LINE, THEN THE RECYCLED WATER LINE SHALL BE INSTALLED WITHIN AN APPROVED PROTECTIVE SLEEVE AS PER OTAY WATER DISTRICT'S RULES AND REGULATIONS.
18. DEVELOPER/CONTRACTOR SHALL CONDUCT A CROSS-CONNECTION TEST AND COVERAGE TEST AS DIRECTED BY THE OTAY WATER DISTRICT AND THE SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH PRIOR TO ANY USE OF RECYCLED WATER.
19. THE REQUIRED CROSS-CONNECTION INSPECTION SHALL BE DONE BY EITHER THE OTAY WATER DISTRICT AND/OR THE SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH. COPIES OF INSPECTION REPORTS WILL BE FORWARDED TO THE NON-INSPECTING PARTY.
20. THE DESIGN AND LOCATIONS PROPOSED FOR RECYCLED WATER "DO NOT DRINK SIGNS SHALL BE CALLED OUT ON THE PLANS.
21. WHEN RECYCLED WATER BECOMES AVAILABLE, AN ON-SITE USER SUPERVISOR SHALL BE DESIGNATED IN WRITING. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY, WITH THE BASIC CONCEPTS OF BACKFLOW/CROSS-CONNECTION PROTECTION, THE RECYCLED PURVEYOR'S RULES AND REGULATIONS AND THE SPECIFIC REQUIREMENTS OF A RECYCLED WATER SYSTEM, COPIES OF THE DESIGNATION, WITH CONTACT PHONE NUMBERS SHALL BE PROVIDED TO THE OTAY WATER DISTRICT AND/OR THE SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH.
IN CASE OF EMERGENCY CONTACT _____ AT _____
NAME PHONE NUMBER
OR AFTER HOURS CONTACT _____ AT _____
NAME PHONE NUMBER
22. ALL PUBLIC AND PRIVATE POTABLE WATER MAINS INCLUDING FIRE MAINS AND ANY WATER WELLS AND WATER COURSES WITHIN THE RECYCLED WATER PROJECT SHALL BE SHOWN ON THE PLANS.
23. CALL OUT ON THE PLANS IF THERE ARE OR ARE NOT DRINKING FOUNTAINS AND/OR DESIGNATED OUTDOOR EATING AREAS ON THIS SITE.
24. EDUCATE ALL MAINTENANCE PERSONNEL ON A CONTINUOUS BASIS OF THE PRESENCE OF RECYCLED WATER. PERSONNEL MUST BE INFORM ED THAT RECYCLED WATER IS MEANT FOR IRRIGATION PURPOSES ONLY, AND IS NOT APPROVED FOR DRINKING PURPOSES, HAND WASHING, CLEANING OF TOOLS, ETC. GIVEN THE HIGH TURN OVER RATE OF EMPLOYEES IN THE LANDSCAPE INDUSTRY IT IS IMPORTANT THIS INFORMATION BE DISSEMINATED ON AN ALMOST DAILY BASIS.
25. A PHYSICAL SEPARATION SHALL BE PROVIDED BETWEEN ADJACENT AREAS IRRIGATED WITH RECYCLED WATER AND POTABLE WATER. SEPARATION SHALL BE PROVIDED BY DISTANCE, CONCRETE MOW STRIPS OR OTHER APPROVED METHODS

OTAY WATER DISTRICT RECYCLED WATER NOTES

- 1. ALL ON-SITE IRRIGATION IMPROVEMENTS SHOWN ON THESE PLANS ARE PART OF A RECYCLED WATER DISTRIBUTION SYSTEM. NO CONSTRUCTION WILL BE ALLOWED UNTIL ALL APPROVALS HAVE BEEN OBTAINED.
2. CROSS CONNECTIONS BETWEEN RECYCLED WATER LINES AND POTABLE WATER LINES ARE STRICTLY PROHIBITED.
3. USE OF RECYCLED WATER SHALL ADHERE TO TITLE 22, DIVISION 4, CHAPTER 3 OF THE CALIFORNIA CODE OF REGULATIONS AND THE CURRENT RULES, REGULATIONS AND SPECIFICATIONS OF THE DISTRICT.
4. OTAY WATER DISTRICT INSPECTION SHALL BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2241. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.
5. PUBLIC FACILITIES, SUCH AS DRINKING AND DECORATIVE FOUNTAINS, COMFORT STATIONS, PLAYGROUND EQUIPMENT, ETC., DO EXIST ON THIS PROJECT.
6. ALL ON-SITE RECYCLED WATER IRRIGATION PIPING AND ON-SITE POTABLE WATER PIPING INSTALLED UNDER THIS DESIGN SHALL BE IDENTIFIED IN ACCORDANCE WITH THE DISTRICT STANDARD SPECIFICATIONS.
7. ALL ON-SITE RECYCLED WATER PIPING SHALL BE PURPLE COLORED PVC, CONTINUOUSLY STENCILED ON OPPOSITE SIDES OF THE PIPE WITH THE WORDS "CAUTION - RECYCLED WATER". APPROVED MANUFACTURERS OF THIS PIPE CAN BE FOUND IN THE DISTRICTS' APPROVED MATERIALS LIST".
8. ALL ON-SITE POTABLE WATER LINES SHALL BE WHITE PVC UNLESS OTHERWISE APPROVED BY THE DISTRICT.
9. UNLESS OTHERWISE DIRECTED BY THE DISTRICT, A 10-FOOT HORIZONTAL AND 1-FOOT VERTICAL SEPARATION BETWEEN POTABLE WATER AND CONSTANT PRESSURE RECYCLED WATER LINES SHALL BE MAINTAINED AT ALL TIMES. THE POTABLE LINES SHALL BE INSTALLED ABOVE THE RECYCLED LINES.
10. WHERE POTABLE LINES AND CONSTANT PRESSURE RECYCLED WATER LINES CROSS, THE RECYCLED WATER LINE SHALL BE INSTALLED BELOW THE POTABLE WATER LINE IN A CLASS 200 PURPLE COLORED PVC SLEEVE. THE SLEEVE SHALL EXTEND 10-FEET ON EITHER SIDE OF THE POTABLE LINE, FOR A TOTAL OF 20-FEET.
11. A MINIMUM VERTICAL SEPARATION OF 12 INCHES SHALL BE MAINTAINED BETWEEN UTILITIES AT ALL TIMES.
12. HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER SYSTEMS.
13. ALL SPRAY HEADS, VALVE BOXES, AND QUICK COUPLER VALVES SHALL BE CLEARLY COLOR CODED (PURPLE) TO INDICATE THE USE OF RECYCLED WATER.
14. RECYCLED WATER LINES SHALL NOT CROSS ROADS, STREETS, OR EASEMENTS UNLESS SPECIFICALLY SHOWN ON THESE PLANS.
15. ALL PRESSURE LINES SHALL BE TESTED WITH HYDROSTATIC PRESSURE AS REQUIRED IN THE DISTRICT STANDARD SPECIFICATIONS, AND ALL NON-PRESSURE LINES SHALL BE TESTED WITH THE EXISTING STATIC LINE PRESSURE. NO LEAKS SHALL BE ALLOWED. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT FOR HYDROSTATIC THESE TESTS SHALL BE WITNESSED BY A REPRESENTATIVE OF THE DISTRICT.
16. ALL SIGNAGE SHALL BE APPROVED AND INSTALLED PRIOR TO ENERGIZING THE SYSTEM WITH WATER. A SIGNAGE PLAN INDICATING USE OF RECYCLED WATER SHALL BE SUBMITTED TO THE DISTRICT FOR APPROVAL PRIOR TO INSTALLATION AS A MINIMUM, SIGNS MUST BE POSTED AND WRITTEN IN ENGLISH AND SPANISH WITH THE INTERNATIONAL SYMBOL (DO NOT DRINK).
17. ALL METER SIZES SHALL BE VERIFIED BY THE DISTRICT. FINAL DETERMINATION OF METER SIZES IS RESERVED BY THE DISTRICT.
18. ALL RECYCLED WATER SERVICES REQUIRE BACKFLOW PREVENTION. IRRIGATION SYSTEMS BEING SUPPLIED WITH RECYCLED WATER SHALL INSTALL BACKFLOW PREVENTION AND A WYE STRAINER PER DISTRICT STANDARD DRAWING W-45. IRRIGATION SYSTEMS CURRENTLY BEING SUPPLIED WITH POTABLE WATER SHALL INSTALL A REDUCED PRESSURE BACKFLOW PREVENTION DEVICE PER DISTRICT STANDARD DRAWINGS WR-01 OR WR-02. WHEN RECYCLED WATER BECOMES AVAILABLE, THE REDUCED PRESSURE BACKFLOW DEVICE SHALL BE REMOVED BY THE OWNER AND REPLACED WITH A BACKFLOW DEVICE AND WYE PER DISTRICT STANDARD DRAWING WR-03.
19. PRIOR TO ENERGIZING THE ON-SITE SYSTEM WITH WATER, ONE (1) COMPLETE SET OF LAMINATED CONTROLLER CHARTS SHALL BE PROVIDED TO THE DISTRICT.
20. EACH AUTOMATIC CONTROLLER AND ITS ASSOCIATED EQUIPMENT SHALL BE IDENTIFIED WITH A SIGN BEARING THE WORDS "RECYCLED WATER USED FOR IRRIGATION" IN ENGLISH AND SPANISH, WITH WHITE LETTERS AT LEAST 1 INCH HIGH ON A PURPLE, PANTONE 512, BACKGROUND. THE SIGN SHALL BE PLACED AS TO BE READILY SEEN BY ANY OPERATIONS PERSONNEL UTILIZING THE EQUIPMENT.
21. THE CONTRACTOR SHALL ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE. THIS SHALL INCLUDE THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM. CONDITIONS THAT CAUSE OVERSPRAYS, PONDING, OR RUNOFF SHALL BE ELIMINATED. ADJUST SYSTEM TO AVOID THESE CONDITIONS.
22. THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO AND SHALL BE OPERATED BETWEEN THE HOURS OF 9:00 P.M. AND 6:00 A.M. UNLESS OTHERWISE APPROVED BY THE DISTRICT.
23. NO SUBSTITUTION OF PIPE MATERIALS WILL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE DISTRICT.
24. AN INITIAL AND ANNUAL CROSS-CONNECTION INSPECTION WILL BE DONE AT SITES WITH BOTH POTABLE AND RECYCLED WATER SERVICE BY THE DISTRICT AND/OR THE SAN DIEGO COUNTY ENVIRONMENTAL HEALTH. COPIES OF INSPECTION REPORTS WILL BE FORWARDED TO THE NON-INSPECTING PARTY.
25. FAILURE TO COMPLY WITH THE DISTRICT'S RULES AND REGULATIONS IS A VIOLATION AND COULD RESULT IN SUSPENSION OF SERVICE UNTIL THE APPROPRIATE CORRECTIVE STEPS HAVE BEEN TAKEN.
26. WHEN RECYCLED WATER BECOMES AVAILABLE, AN ON-SITE USER/SUPERVISOR SHALL BE DESIGNATED IN WRITING. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY, WITH THE BASIC CONCEPTS OF BACKFLOW/CROSS CONNECTION PROTECTION, THE RECYCLED PURVEYOR'S RULES AND REGULATIONS, AND THE SPECIFIC REQUIREMENTS OF A RECYCLED WATER SYSTEM. COPIES OF THE DESIGNATION, WITH CONTACT PHONE NUMBERS SHALL BE PROVIDED TO THE OTAY WATER DISTRICT AND SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH.
IN CASE OF EMERGENCY, CONTACT _____ AT _____
NAME PHONE NO.
OR AFTER HOURS, CONTACT _____ AT _____
NAME PHONE NO.
27. BEST MANAGEMENT PRACTICES SHALL BE USED TO ELIMINATE OR CONTROL TO THE BEST EXTENT POSSIBLE PONDING, RUN-OFF, OVER-SPRAY AND MISTING.
28. RECYCLED WATER QUICK COUPLING VALVES SHALL BE OF A TYPE DESIGNED FOR USE ON RECYCLED WATER DISTRIBUTION SYSTEMS (SPIKES NOT INTERCHANGEABLE WITH POTABLE WATER QUICK COUPLER SPIKES) PER OTAY WATER DISTRICT'S RULES AND REGULATIONS.
29. ALL BUILDINGS SHALL HAVE A THRESHOLD VALVE ON THE POTABLE WATER SUPPLY.
30. ALL BOX LIDS SHALL BE BRANDED.
31. A 10-FOOT SEPARATION BETWEEN RECYCLED WATER IRRIGATION MAIN LINE TIE IN POINT AND PROJECT POINT OF CONNECTION (POC) IS TO BE MAINTAINED DURING THE CONSTRUCTION PROCESS AND IS TO BE TIED IN AT THE INSPECTIONS DIRECTION, AFTER DEH APPROVALS AND METER(S) SET(S) HAVE TAKEN PLACE.
32. RECYCLED WATER IRRIGATION PROJECTS THAT REQUIRE PHASING OF CONSTRUCTION SHALL REQUIRE A DETAILED PHASING PLAN BE SUBMITTED BY THE PROJECT ARCHITECT TO THE DISTRICT FOR REVIEW. UPON APPROVAL OF THE PHASING PLAN BY THE DISTRICT, A COPY OF THE APPROVED PHASING PLAN SHALL BE INCORPORATED INTO THE APPROVED PLAN SET(S) BY THE PROJECT ARCHITECT.

INSPECTION NOTE
OTAY WATER DISTRICT INSPECTION SHALL BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2241. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.



PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN
8 HUGHES, SUITE 150
IRVINE, CALIFORNIA 92618
(949) 238-4900

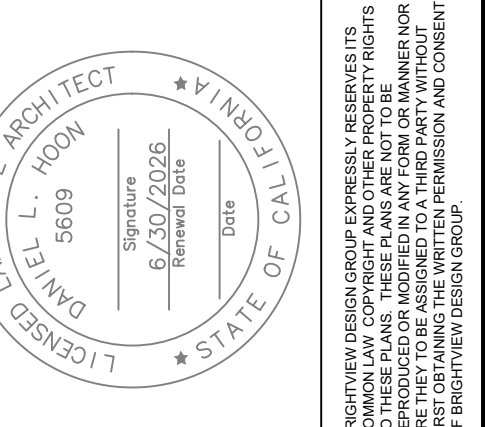


Table with 2 columns: Revision Number, Description



REFER TO THE SHEET INDEX ON SHEET TO SEE EACH COMPLETE LIST OF DRAWINGS.

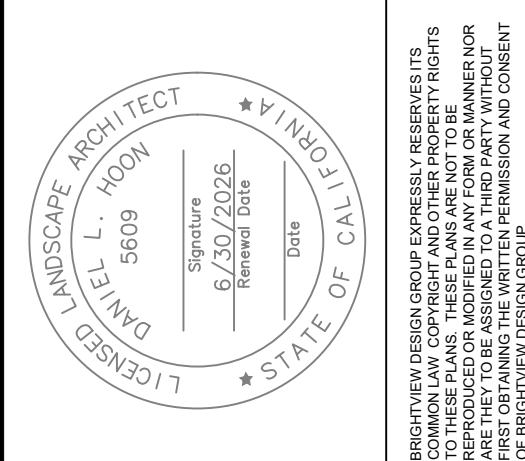
HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA
AGENCY SUBMITTAL #1

Table with 2 columns: Issue Date, Project Status Log

BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012

IRRIGATION NOTES

LI-003



| PLAN REVISION DESCRIPTION |
|---------------------------|
| |
| |
| |
| |

811
Know what's below.
Call 811 before you dig.

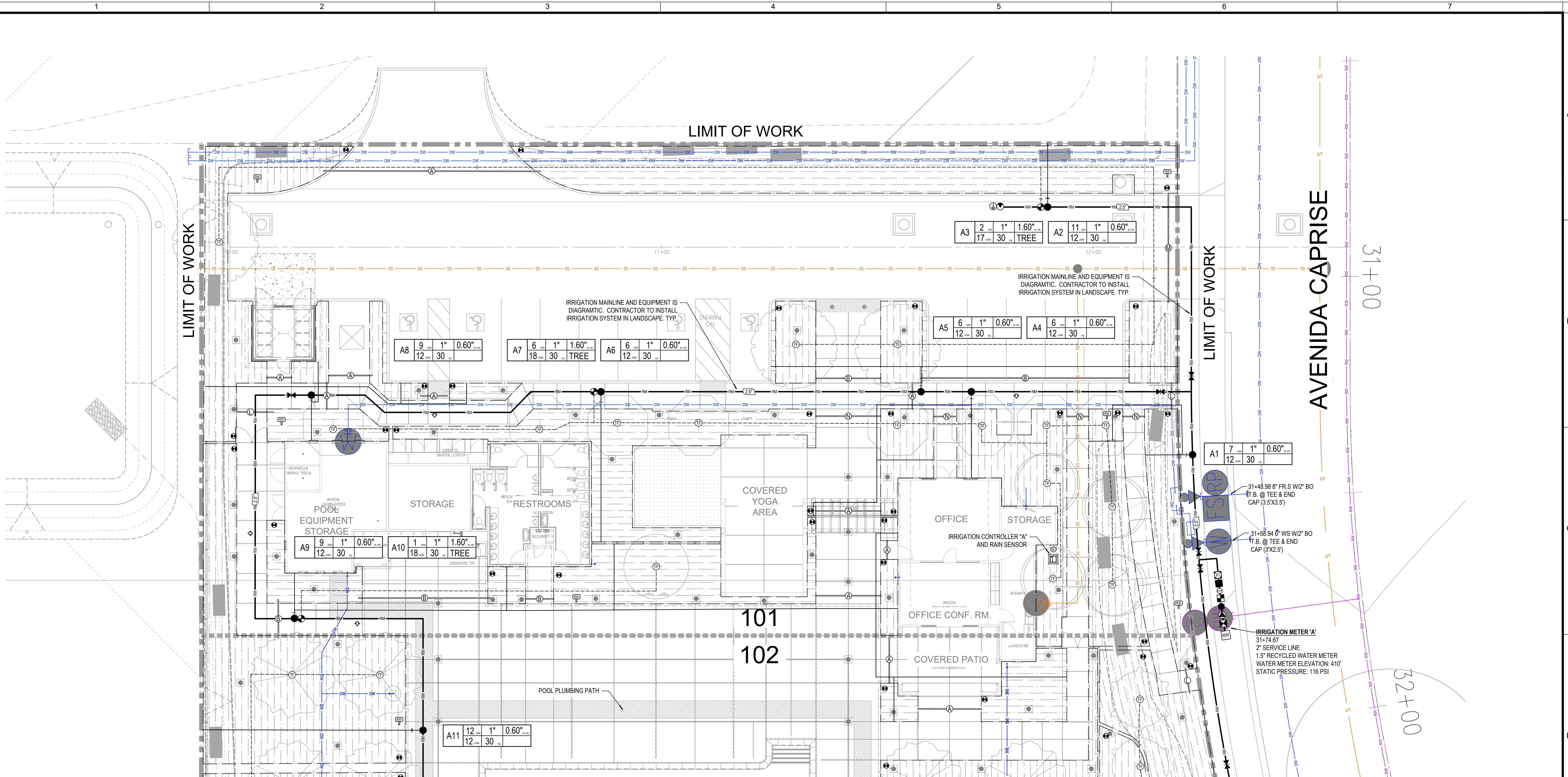
REFER TO THE SHEET NUMBER ON SHEET TO DETERMINE COMPLETE LIST OF DRAWINGS.

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

AGENCY SUBMITTAL #1

| PLAN SET | ISSUE DATE | PROJECT STATUS LOG |
|----------|------------|---------------------|
| A | 06/28/2023 | AGENCY SUBMITTAL #1 |

| | |
|-------------------------|-----------|
| BVDG JOB NUMBER: | 1730912 |
| DRAWN BY: | HW/BT |
| PLAN CHECK NO: | GR23-0012 |
| IRRIGATION PLANS | |
| LI-101 | |



LATERAL PIPE SIZING LEGEND

| | |
|----------------------|--------------|
| 1/2" PIPE PROHIBITED | 3/4" MINIMUM |
| 1" | 1-1/4" |
| 1-1/2" | 2" |
| 2" | 2-1/2" |
| 3" | |

- TWO-WIRE CABLE NOTE**
- TWO-WIRE CABLE SHALL BE INSTALLED IN 1-1/4" PVC CONDUIT WITH SWEEPS IN AND OUT OF EACH SURGE ARRESTOR AND CONTROL VALVE BOX.
 - CONDUIT TO EXTEND 4" ABOVE GRAVEL LEVEL IN VALVE BOX.
 - SURGE ARRESTORS TO BE INSTALLED 500' O.C. AND AT ENDS OF ALL MAINLINE.
 - ALL WIRE SPLICES AND STUBS SHALL HAVE 600V WATERPROOF WIRE CONNECTORS INSTALLED. ALL WIRE SPLICES SHALL HAVE 24" OF SPARE TWO-WIRE CABLE PROVIDED ON EACH CABLE LEG.
 - INSTALL PULL BOX IF WIRE RUN EXCEEDS 200' OR IF THERE EXCEED (5) SWEEPS ON CONDUIT PATH.
 - PULL WIRE SEPARATELY AT EACH VALVE BOX. (DO NOT PULL ALL WIRE END TO END)

SLEEVE SIZING LEGEND

REFER TO IRRIGATION LEGEND FOR SLEEVE SPECIFICATION AND DETAIL FOR BURIAL REQUIREMENTS.

| | |
|--|---------------------|
| (A) (2) 2" | (H) (2) 4" |
| (B) (3) 2" | (I) (3) 4" |
| (C) (4) 2" | (J) (4) 4" |
| (D) (2) 3" | (K) (5) 4" |
| (E) (3) 3" | (L) (1) 6" + (2) 4" |
| (F) (4) 3" | (M) (1) 6" + (3) 4" |
| (G) GALVANIZED SLEEVE | (N) (1) 6" + (4) 4" |
| MINIMUM 2X DIAMETER OF PIPE OVER V-DITCH | |

- SLEEVING NOTES**
- SLEEVES TO BE MINIMUM TWICE THE DIAMETER OF THE PIPE SLEEVED.
 - REFER TO LEGEND FOR SLEEVE SPECIFICATION AND PLAN FOR SLEEVE SIZE MATRIX
 - IRRIGATION PIPE AND WIRE / CONDUIT SHALL BE SLEEVED UNDER PAVING.
 - PRESSURE MAINLINE SLEEVES SHALL BE ACCOMPANIED WITH A MINIMUM 2" WIRE / CONDUIT SLEEVE.
 - SEAL ALL SLEEVE ENDS TO PROHIBIT SOIL FROM ENTERING THE BURIED SLEEVE.
 - SLEEVES TO EXTEND MINIMUM 12" BEYOND PAVING.
 - IRRIGATION CONTRACTOR TO COORDINATE SLEEVING WITH THE HARDSCAPE CONTRACTOR AND SITE SUPERINTENDENT PRIOR TO INSTALLATION OF ANY HARDSCAPE.

EQUIPMENT LOCATION NOTES

ALL VALVE BOXES, ABOVE GRADE EQUIPMENT AND PIPING SHALL BE LOCATED IN LANDSCAPE AREAS. IRRIGATION EQUIPMENT SHALL NOT BE LOCATED IN HARDSCAPE / PAVED AREAS OR IN TURF AREAS WITHOUT WRITTEN PERMISSION FROM THE IRRIGATION CONSULTANT. LOCATE ALL VALVE BOXES IN SHRUB AREAS ONLY. CONTRACTOR WILL BE RESPONSIBLE TO RE-LOCATE VALVE BOXES INSTALLED IN TURF AREAS AT NO COST TO THE OWNER.

DIGALERT 811

CONTACT DIGALERT BY DIALING 811 A MINIMUM OF (3) WORKING DAYS BEFORE EXCAVATION.

CONTROLLER NOTE

CONTRACTOR SHALL PURCHASE AND INSTALL THE FOLLOWING CONTROLLER AS NOTED BELOW:

CONTROLLER MANUFACTURE: HYDROPOINT
CONTROLLER MODEL: WEATHERTRAK ET PRO3
WIRE TYPE: TWO-WIRE
ASSEMBLY TYPE: WALL MOUNT ENCLOSURE
SERVICE WARRANTY: 2 YEARS
RAIN SENSOR: YES

FLOW SENSOR MANUFACTURE: FLOMEC
FLOW SENSOR SIZE AND TYPE: 1.5" PLASTIC

CONTROLLER 'A' MODEL NUMBER:
SITEONE GREENTECH - SA6-WT3-48/GR-K-RSE-UFM-150P

THE IRRIGATION CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTION TO CONTROLLER PER LOCAL ELECTRICAL CODE.

IRRIGATION CONTROLLER WILL HAVE LABELING IDENTIFYING RECYCLED WATER USE

CONTACT JOSHUA SEIPEL FOR ORDER INFORMATION (909) 240-6887

POC NOTE

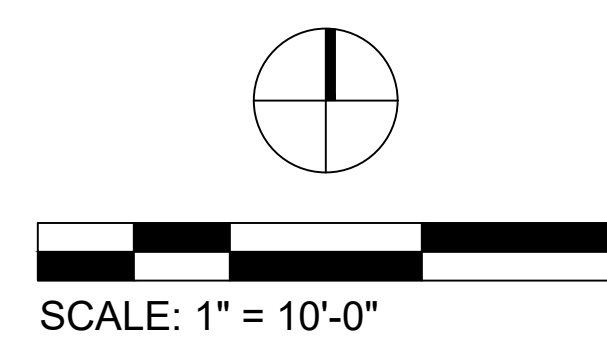
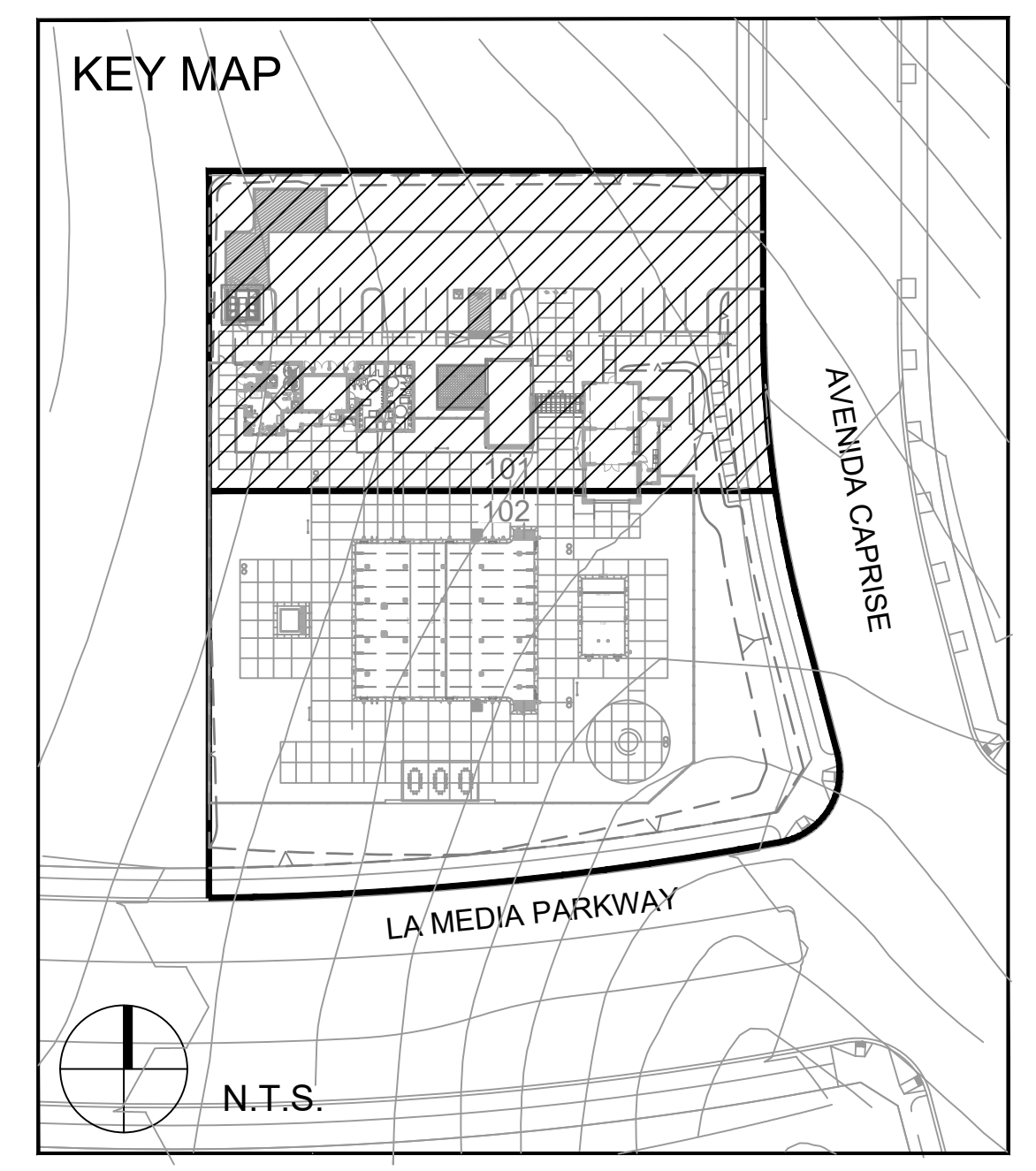
BELOW IS SIZING OF THE POC IRRIGATION EQUIPMENT TO BE INSTALLED. CONTRACTOR SHALL REFER TO THE IRRIGATION EQUIPMENT LEGEND FOR SPECIFICATION.

POINT OF CONNECTION 'A':

| | |
|------------------------|---------------------|
| SERVICE LINE: 2" | BASKET STRAINER: 2" |
| WATER METER: 1.5" | MASTER VALVE: 1.5" |
| BACKFLOW DEVICE: N/A | FLOW SENSOR: 1.5" |
| PRESSURE REGULATOR: 2" | |

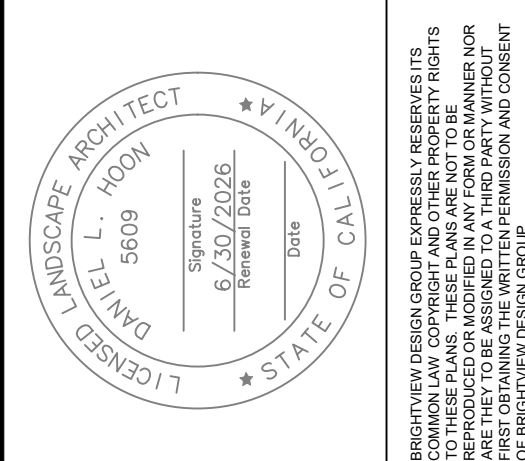
WATER METER INFORMATION TABLE

| | |
|---------------------------|---------------------|
| METER NUMBER | A - NEW METER |
| CIVIL STATION | 31-74.67 |
| METER SIZE | 2" |
| SERVICE LINE SIZE | 2" |
| PROPOSED MAX FLOW | 30GPM |
| AREA SERVED | 25,523 SQFT |
| ANNUAL WATER USE | 0.59 ACRE FEET |
| DESIGN OPERATING PRESSURE | 84 PSI |
| WATER PROVIDER | OTAY WATER DISTRICT |
| WATER TYPE | RECYCLED WATER |



INSPECTION NOTE

OTAY WATER DISTRICT INSPECTION SHALL BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2241. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.



| PLAN REVISION DESCRIPTION |
|---------------------------|
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811
Know what's below.
Call 811 before you dig.

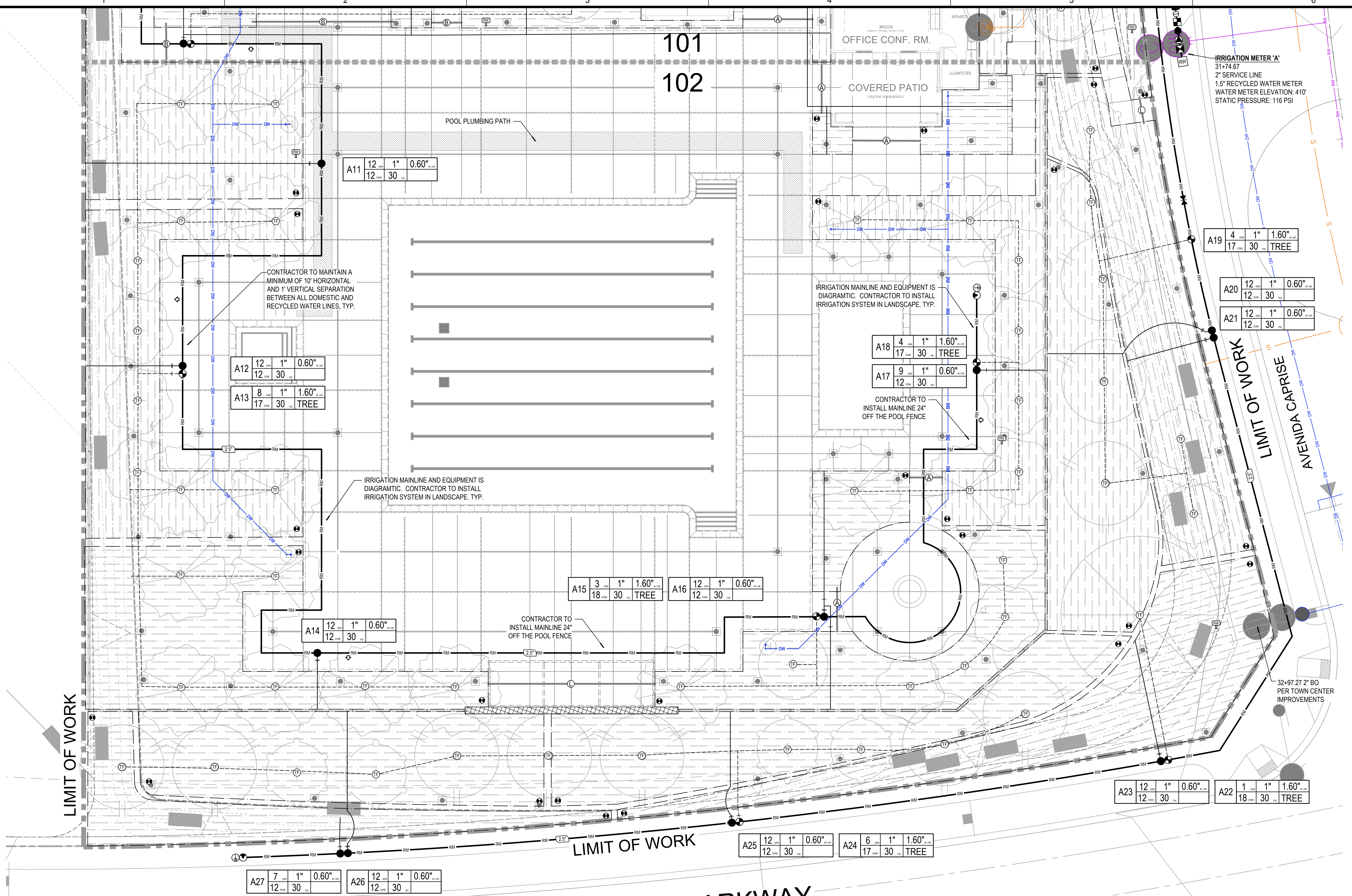
SEEKS TO USE SHEET INDEX ON
SHEET TO INDICATE WHICH
LIST OF DRAWINGS IS COMPLETE

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

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| IRRIGATION PLANS | |
| LI-102 | |



LATERAL PIPE SIZING LEGEND

| | |
|----------------------|--------------|
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| 1" | 1-1/4" |
| 1-1/2" | 2" |
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| | |
|--------|-----------------|
| (2) 2" | (2) 4" |
| (3) 2" | (3) 4" |
| (4) 2" | (4) 4" |
| (5) 2" | (5) 4" |
| (2) 3" | (1) 6" + (2) 4" |
| (3) 3" | (1) 6" + (3) 4" |
| (4) 3" | (1) 6" + (4) 4" |

GALVANIZED SLEEVE
MINIMUM 2X DIAMETER OF PIPE OVER V-DITCH

- SLEEVING NOTES**
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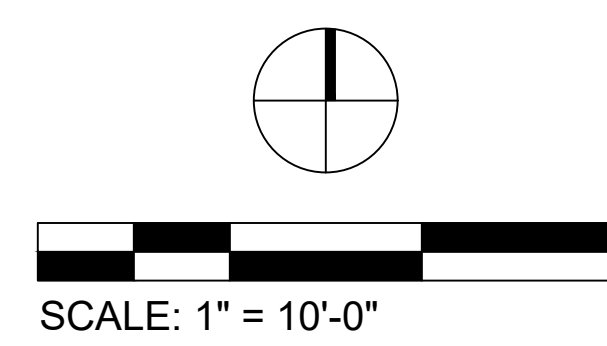
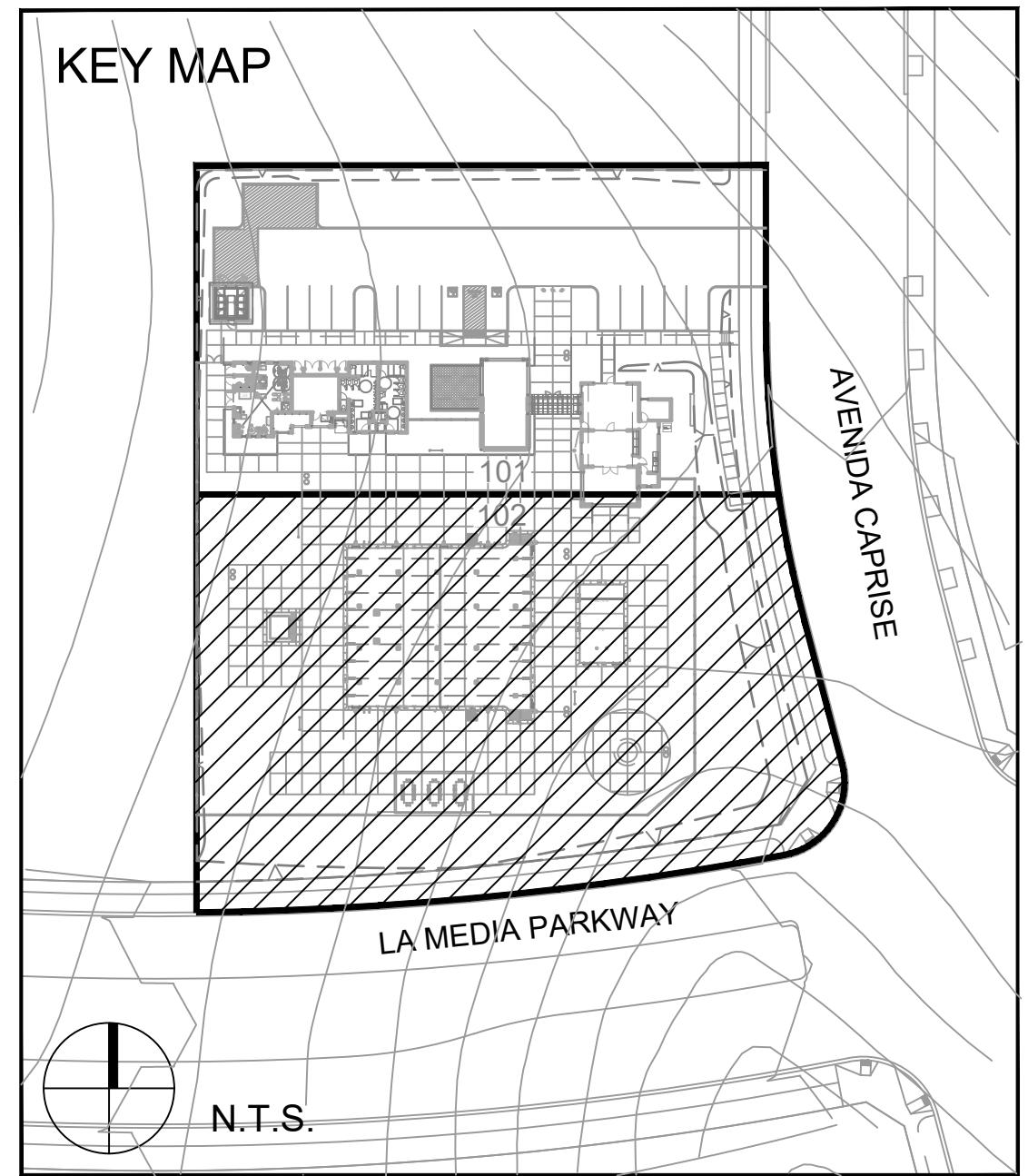
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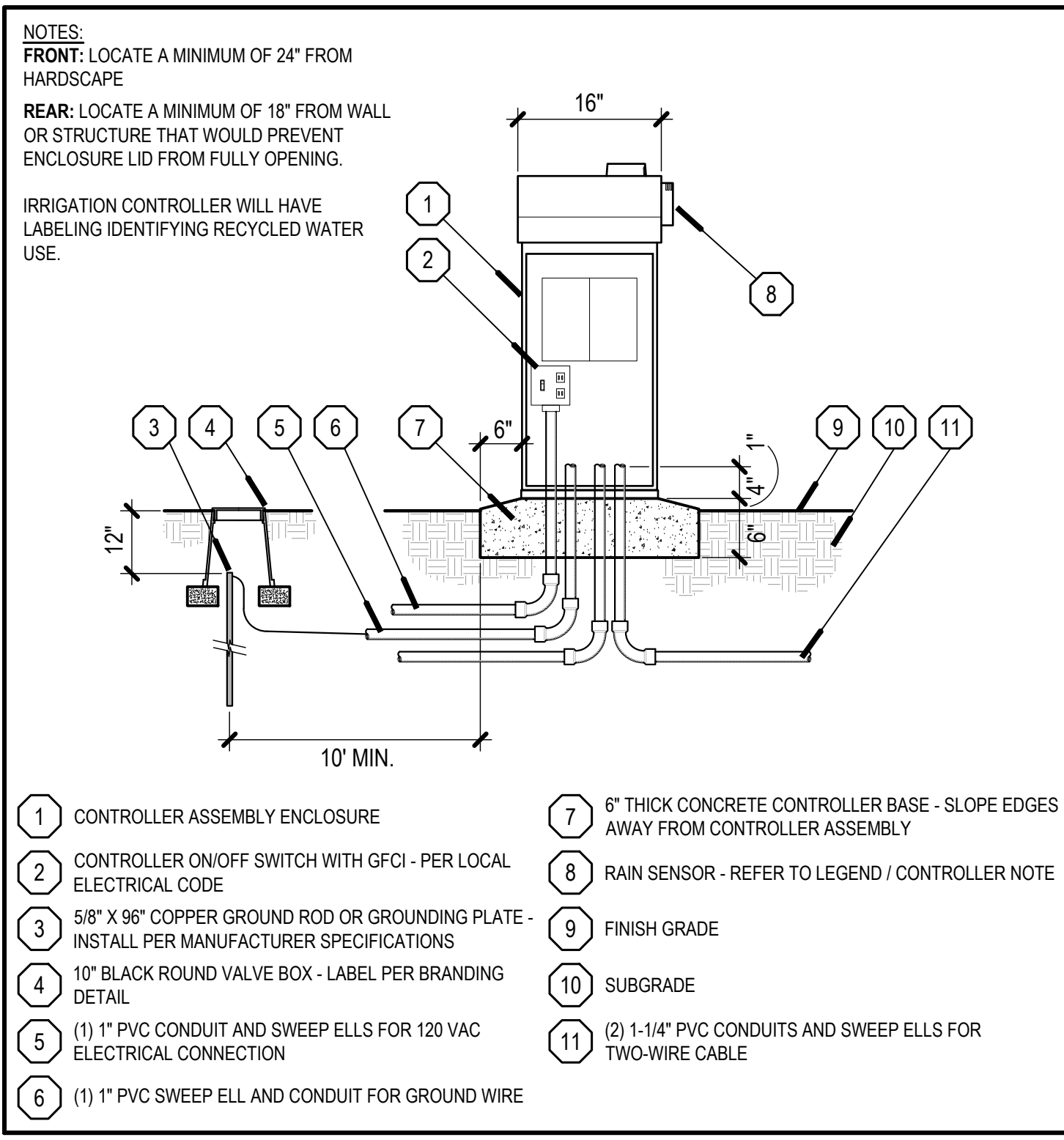
DIGALERT 811

CONTACT DIGALERT BY DIALING 811 A MINIMUM OF (3) WORKING DAYS BEFORE EXCAVATION.

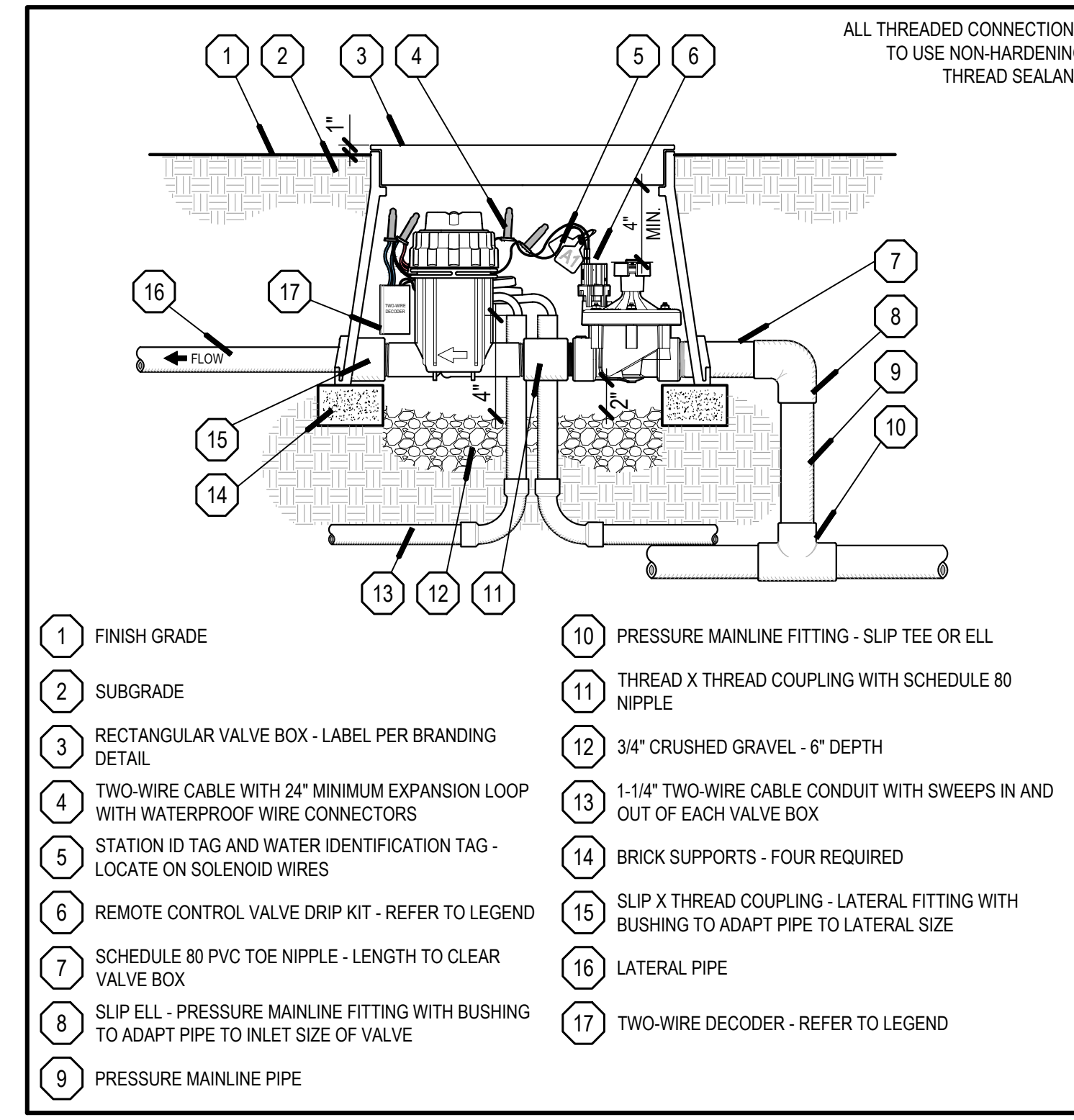


INSPECTION NOTE

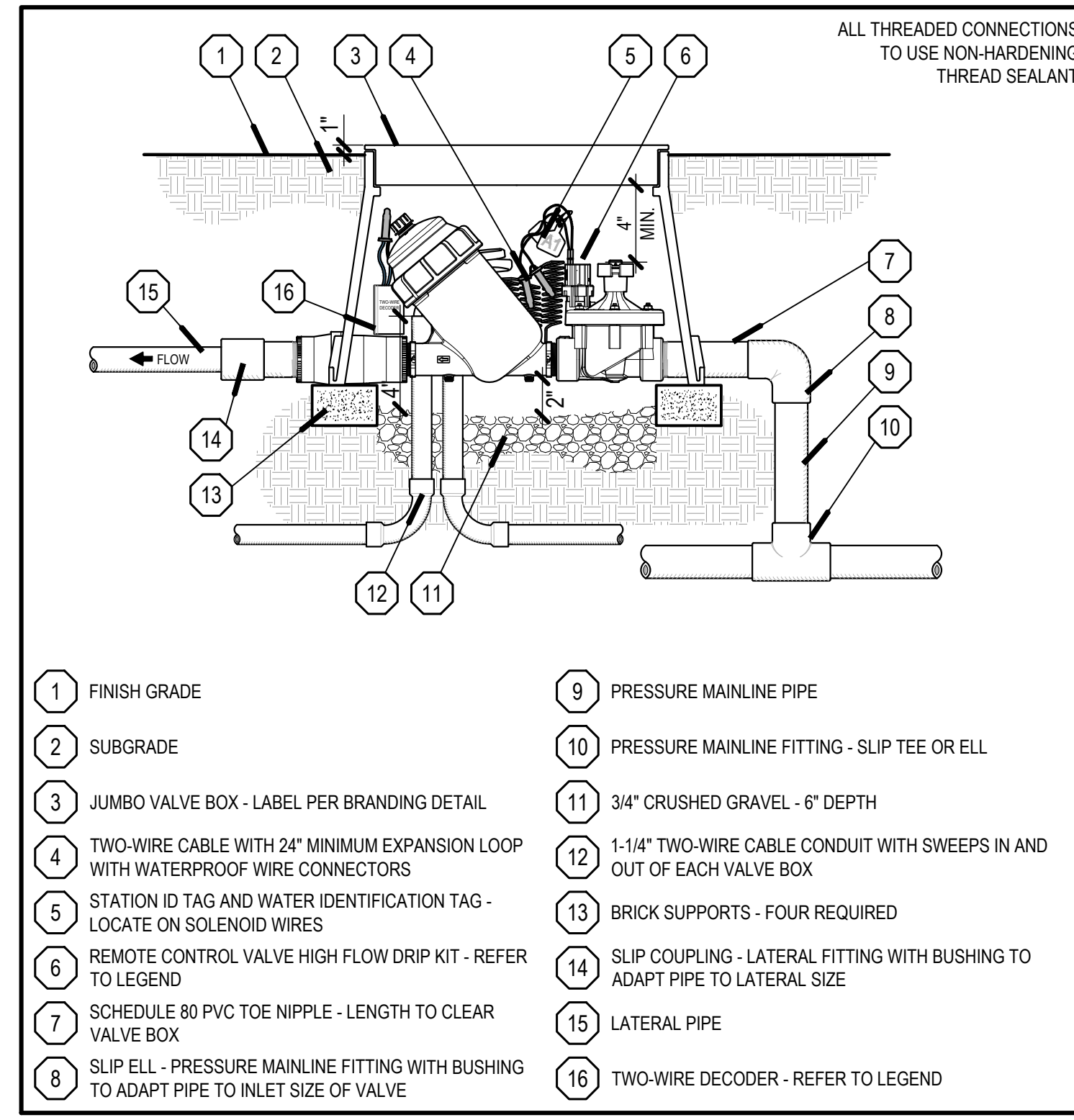
OTAY WATER DISTRICT INSPECTION SHALL BE NOTIFIED FIVE (5) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (619) 670-2241. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.



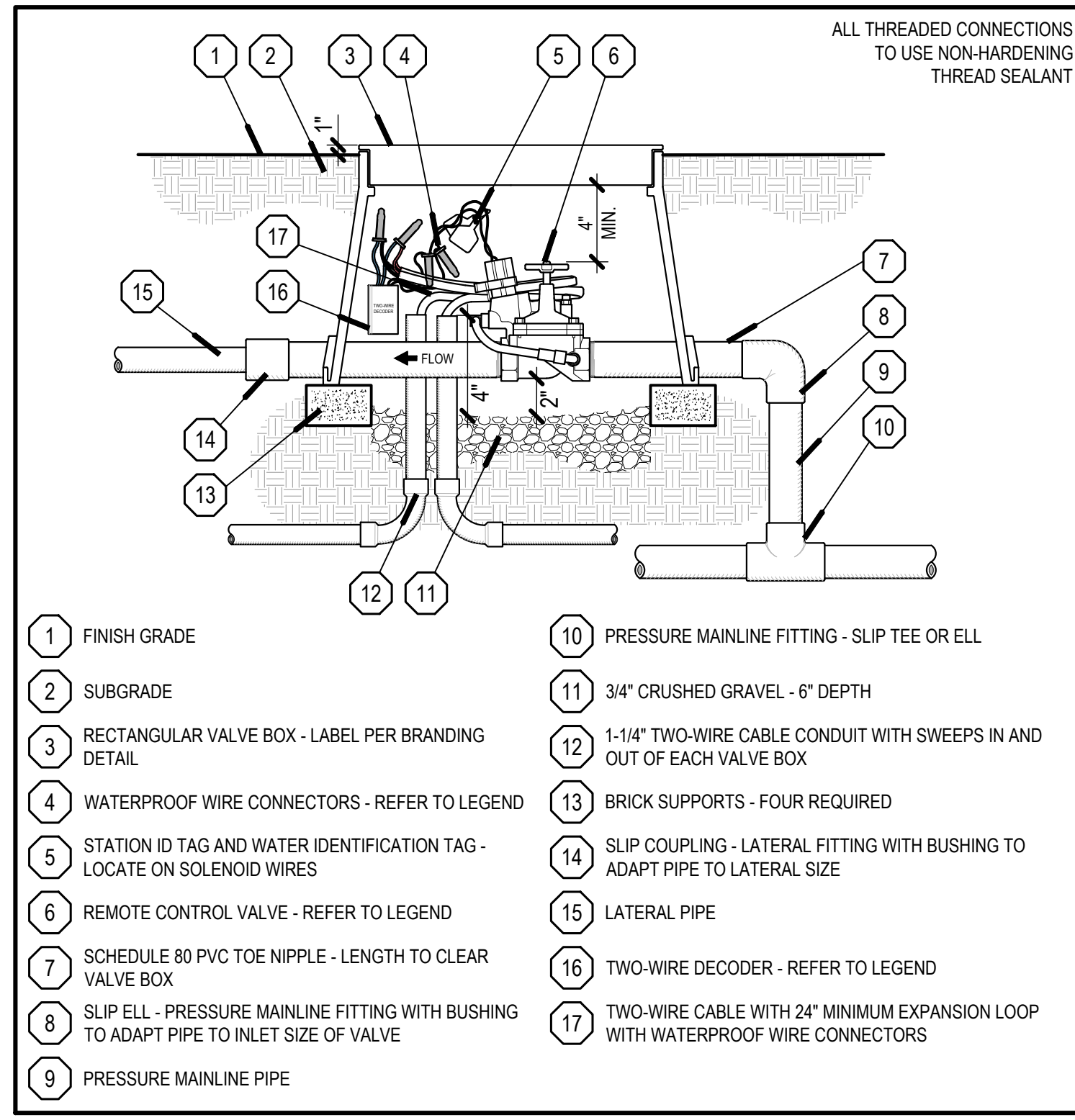
11.0 CONTROLLER - TOP MOUNT TWO-WIRE NO SCALE ARROYO



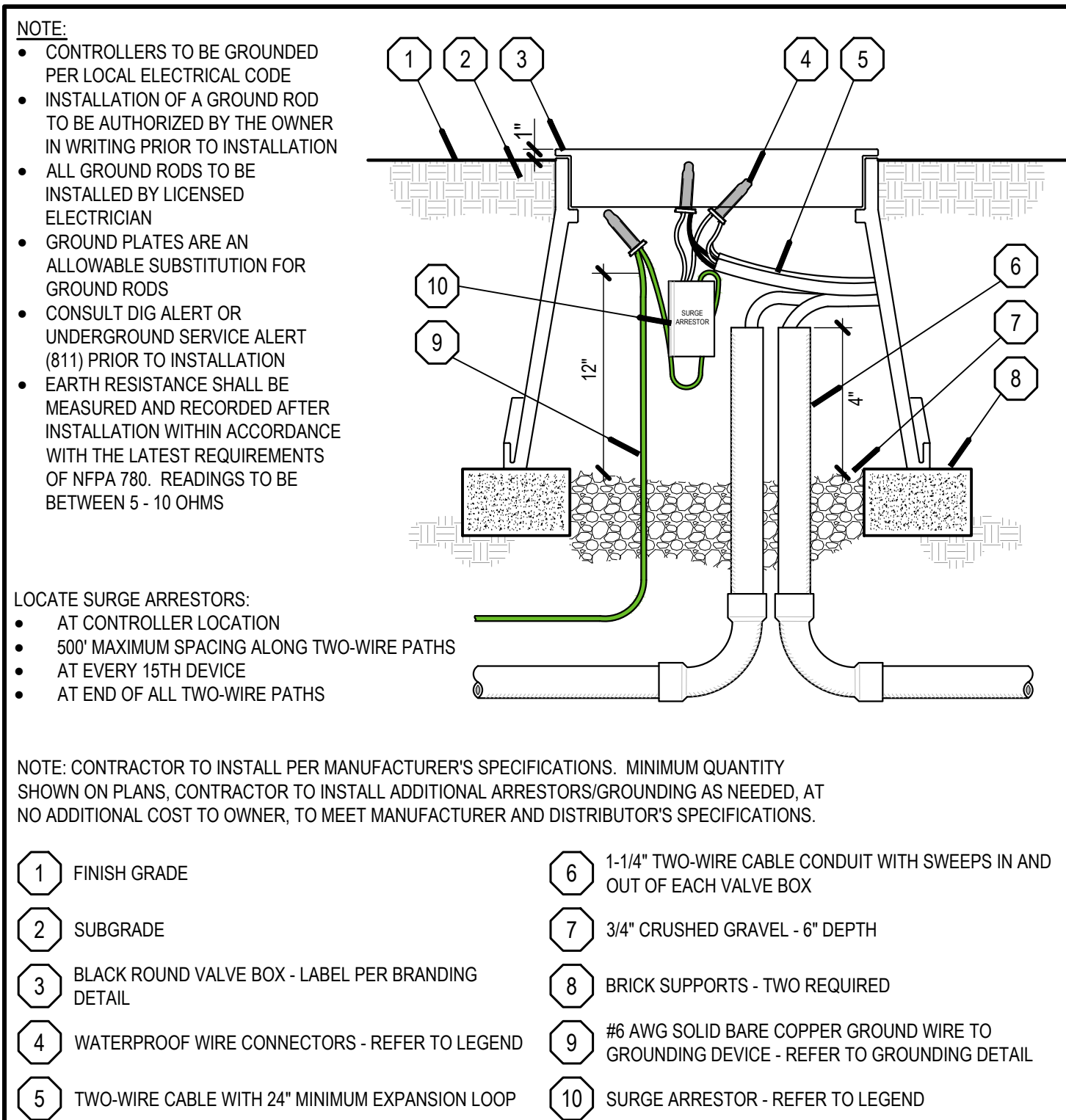
10.0 CONTROL VALVE - TWO-WIRE NO SCALE ARROYO



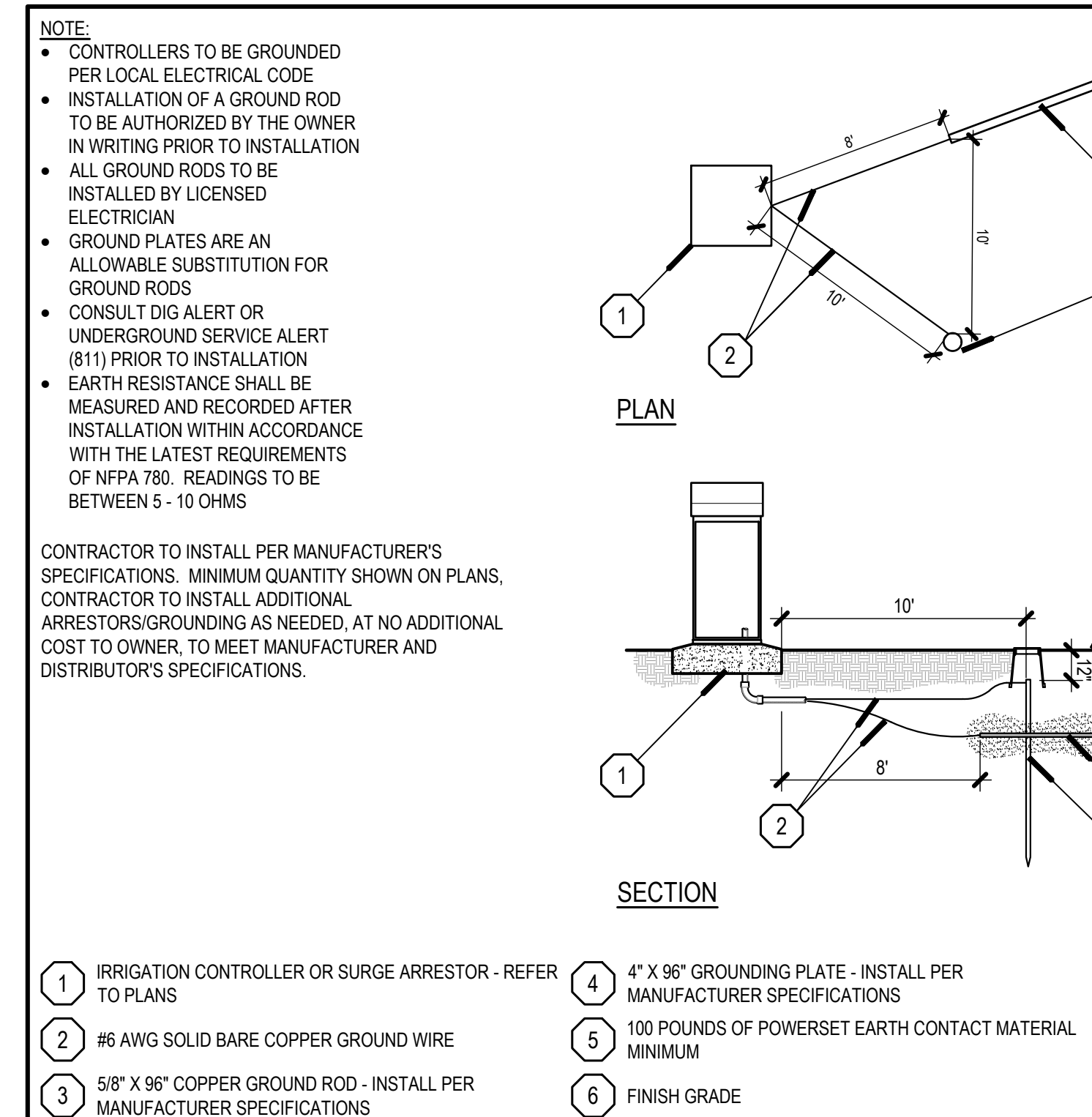
9.0 CONTROL VALVE - TWO-WIRE NO SCALE ARROYO



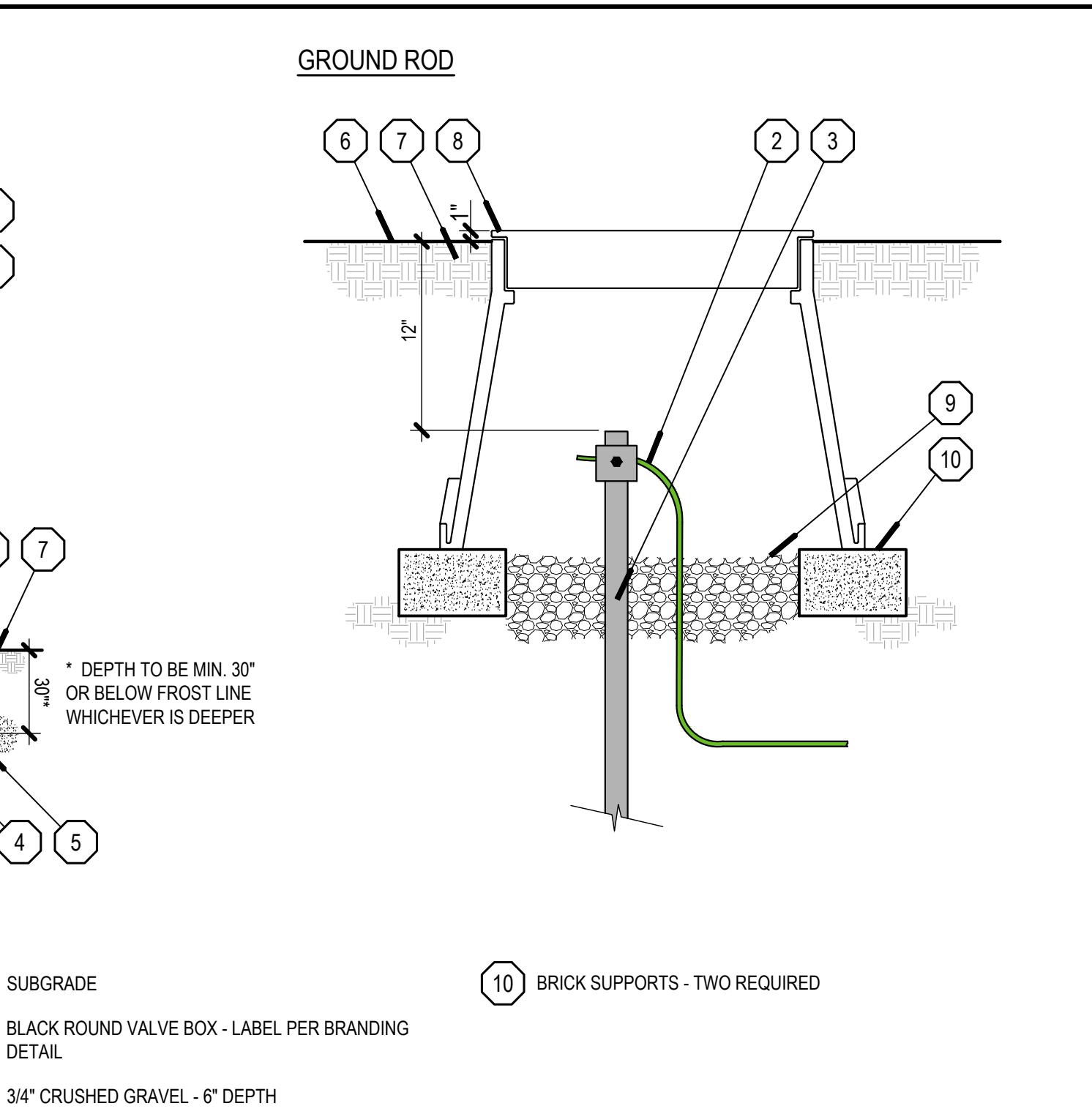
8.0 CONTROL VALVE - TWO-WIRE NO SCALE ARROYO



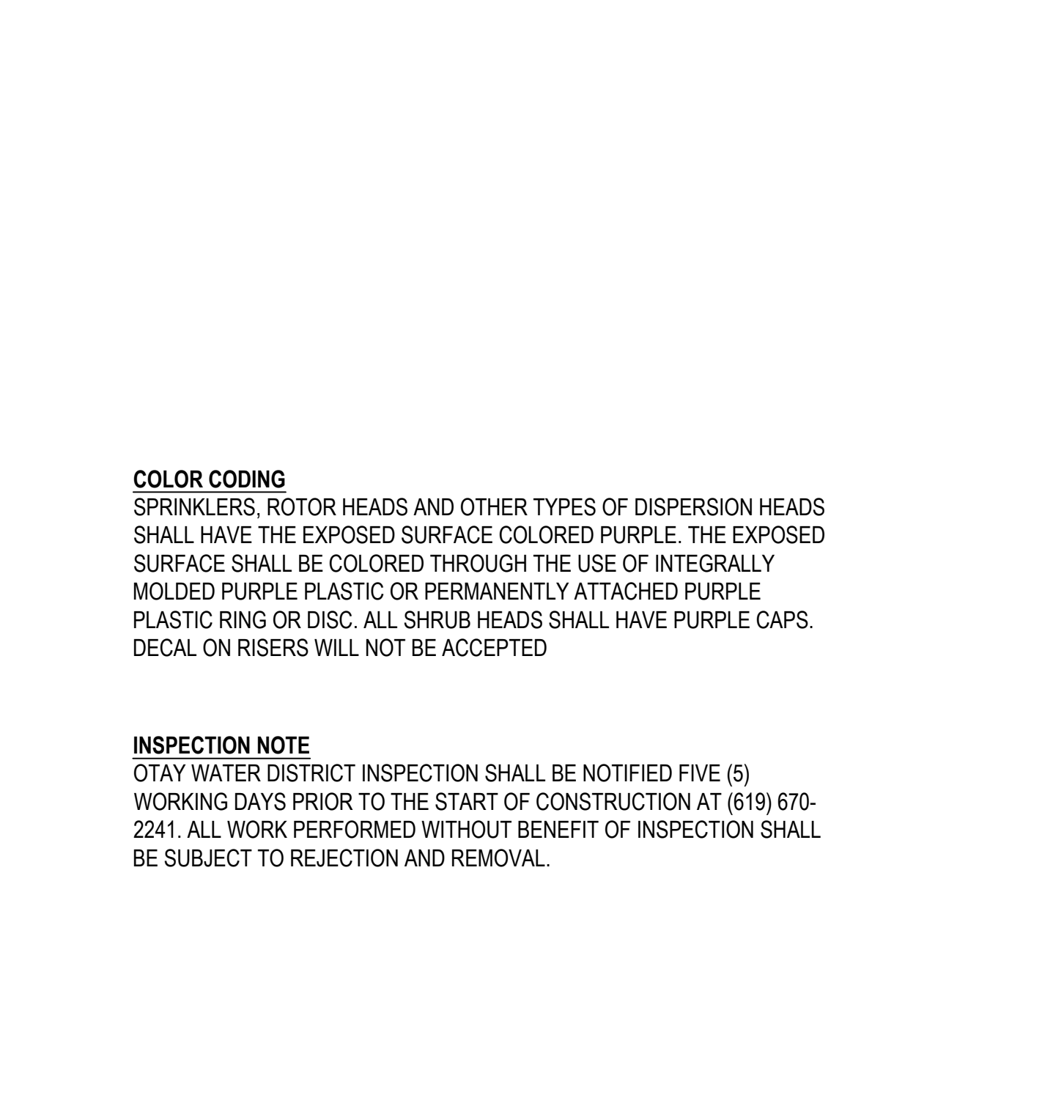
14.0 TWO-WIRE SURGE ARRESTOR NO SCALE ARROYO



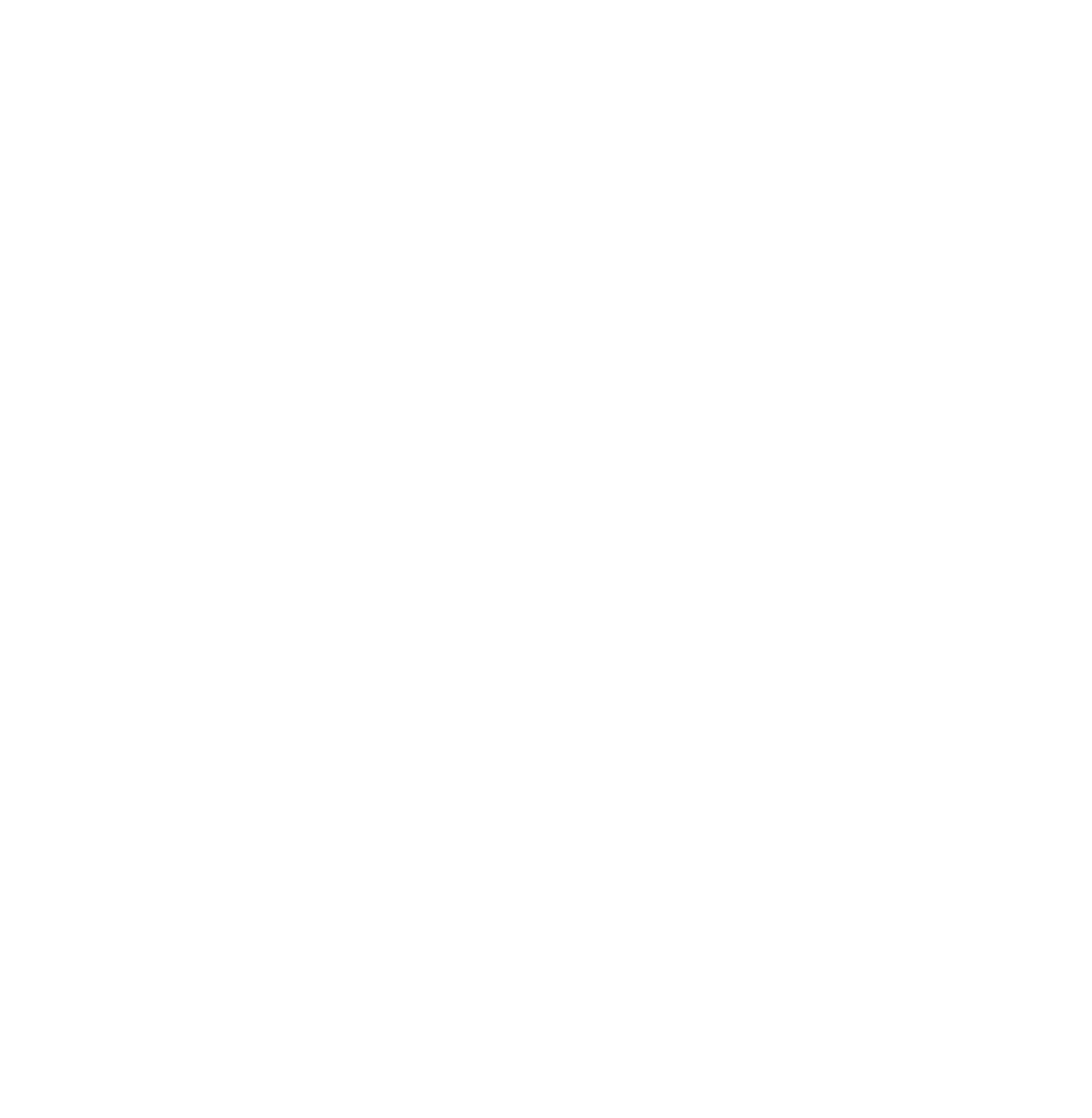
13.0 GROUNDING NO SCALE ARROYO



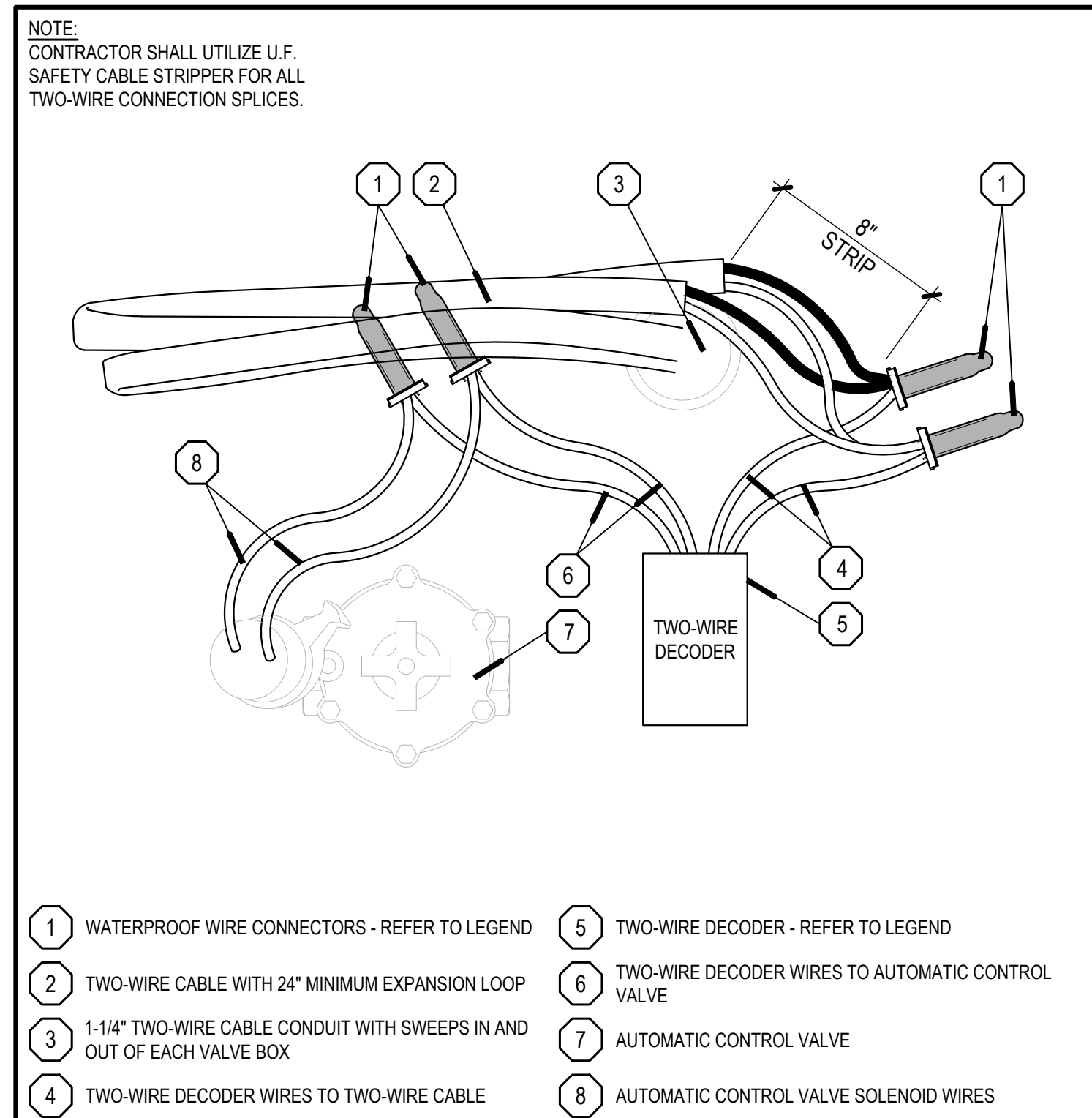
12.0 CONTROLLER BASE - TWO-WIRE NO SCALE ARROYO



16.0 WATERPROOF WIRE CONNECTOR NO SCALE ARROYO



15.0 TWO-WIRE DECODER NO SCALE ARROYO



15.0 TWO-WIRE DECODER NO SCALE ARROYO

COLOR CODING
 SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS. DECAL ON RISERS WILL NOT BE ACCEPTED

INSPECTION NOTE
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14.0 TWO-WIRE SURGE ARRESTOR NO SCALE ARROYO

BrightView
 Design Group
 PLANNING
 LANDSCAPE ARCHITECTURE
 URBAN DESIGN
 8 HUGHES, SUITE 150
 IRVINE, CALIFORNIA 92618
 (949) 238-4900

LANDSCAPE ARCHITECT
 L. BOON
 State of California
 License No. 12345

PLAN REVISION DESCRIPTION

| | |
|---|--|
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| ▲ | |
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811
 Know what's below.
 Call 811 before you dig.
 REFER TO THE SEE FIELD ON SHEET TO UNDERSTAND COMPLETE LIST OF DRAWINGS.

HOMEFED CORPORATION
 OTAY VILLAGE 8 WEST SWIM CLUB
 LANDSCAPE DEVELOPMENT PLANS
 CHULA VISTA, CALIFORNIA

AGENCY SUBMITTAL #1

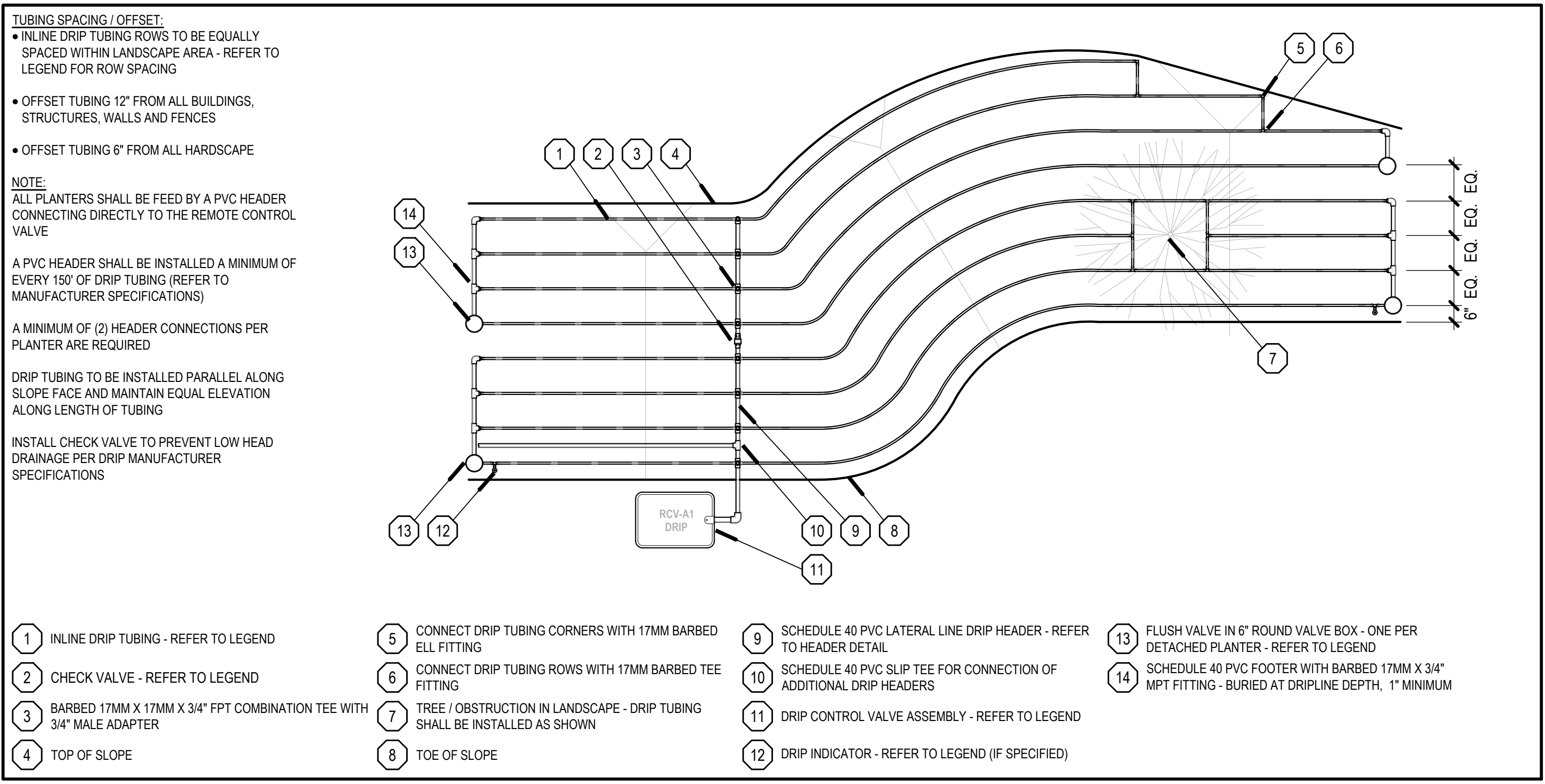
| | | |
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BVDG JOB NUMBER: 1730912
 DRAWN BY: HW/BT
 PLAN CHECK NO: GR23-0012
 SHEET TITLE: IRRIGATION DETAILS

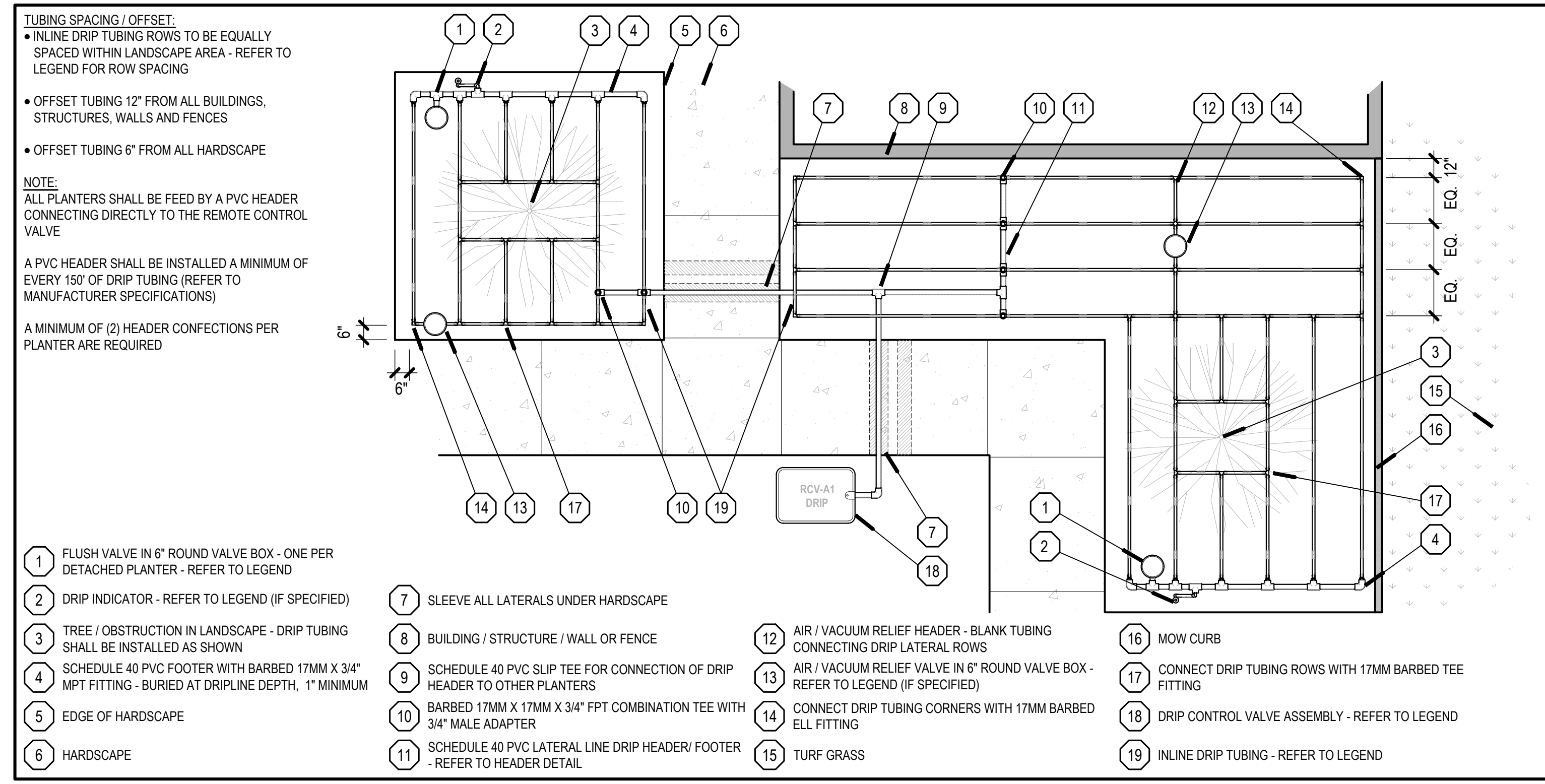
SHEET NUMBER: LI-402

AGENCY SUBMITTAL #1

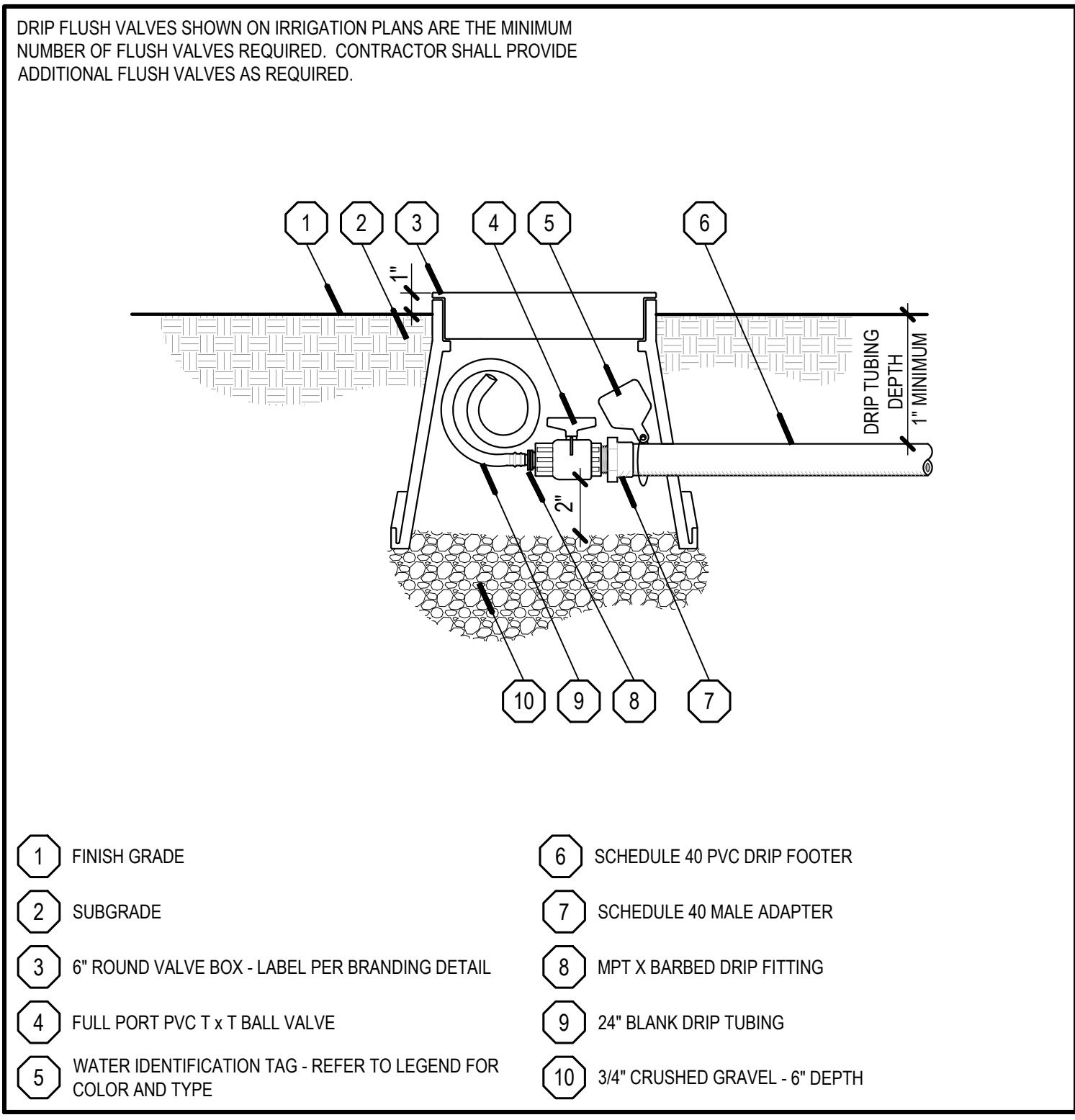
ARROYO
 IRRIGATION CONSULTING
 27762 ANTONIO PARKWAY L1-308
 LADERA RANCHO, CA 92694
 (949) 430-7030



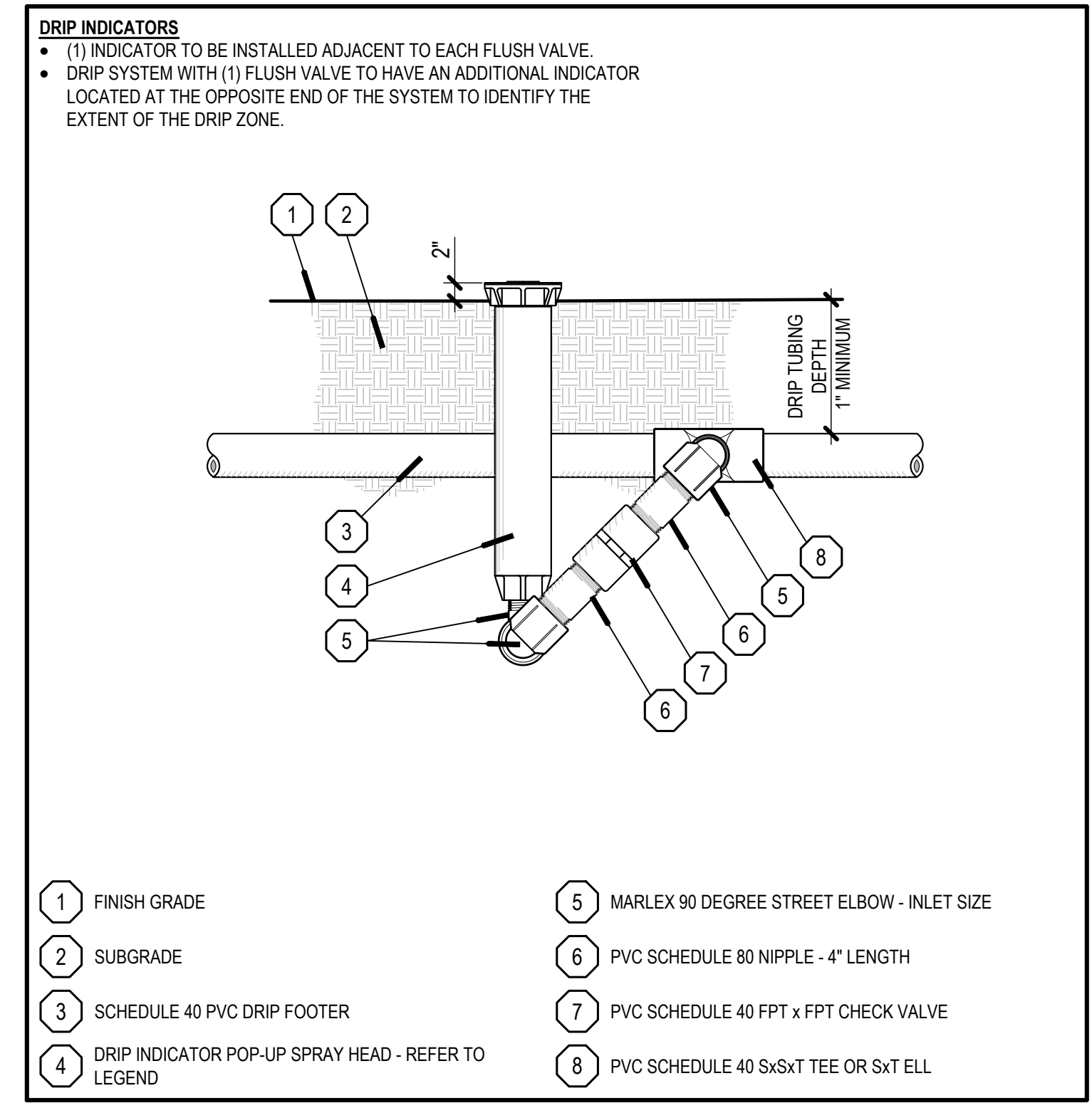
18.0 SLOPE INLINE DRIP IRRIGATION - PVC FOOTER NO SCALE ARROYO IRRIGATION CONSULTING



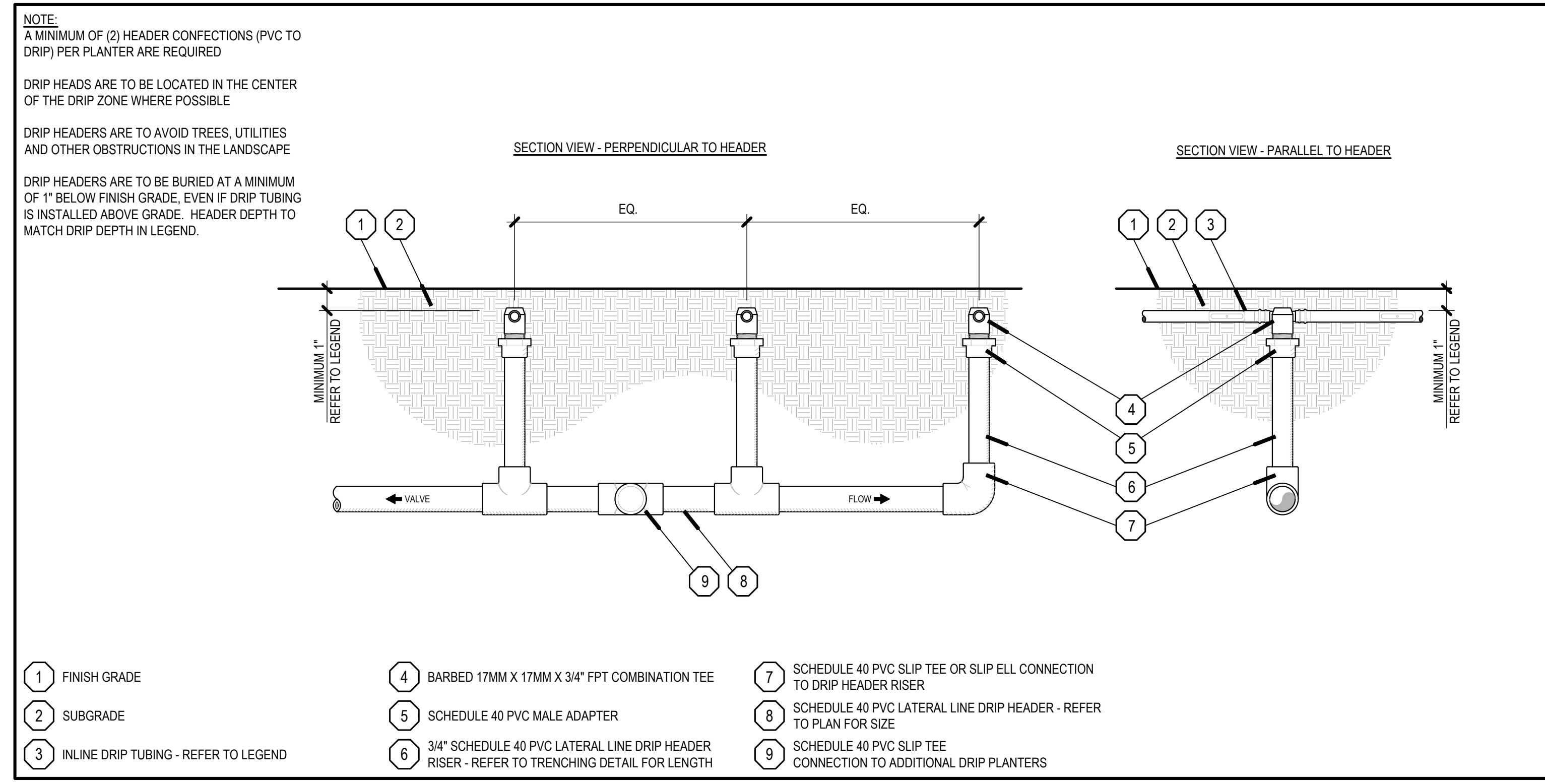
17.0 INLINE DRIP IRRIGATION NO SCALE ARROYO IRRIGATION CONSULTING



21.0 DRIP FLUSH VALVE NO SCALE ARROYO IRRIGATION CONSULTING



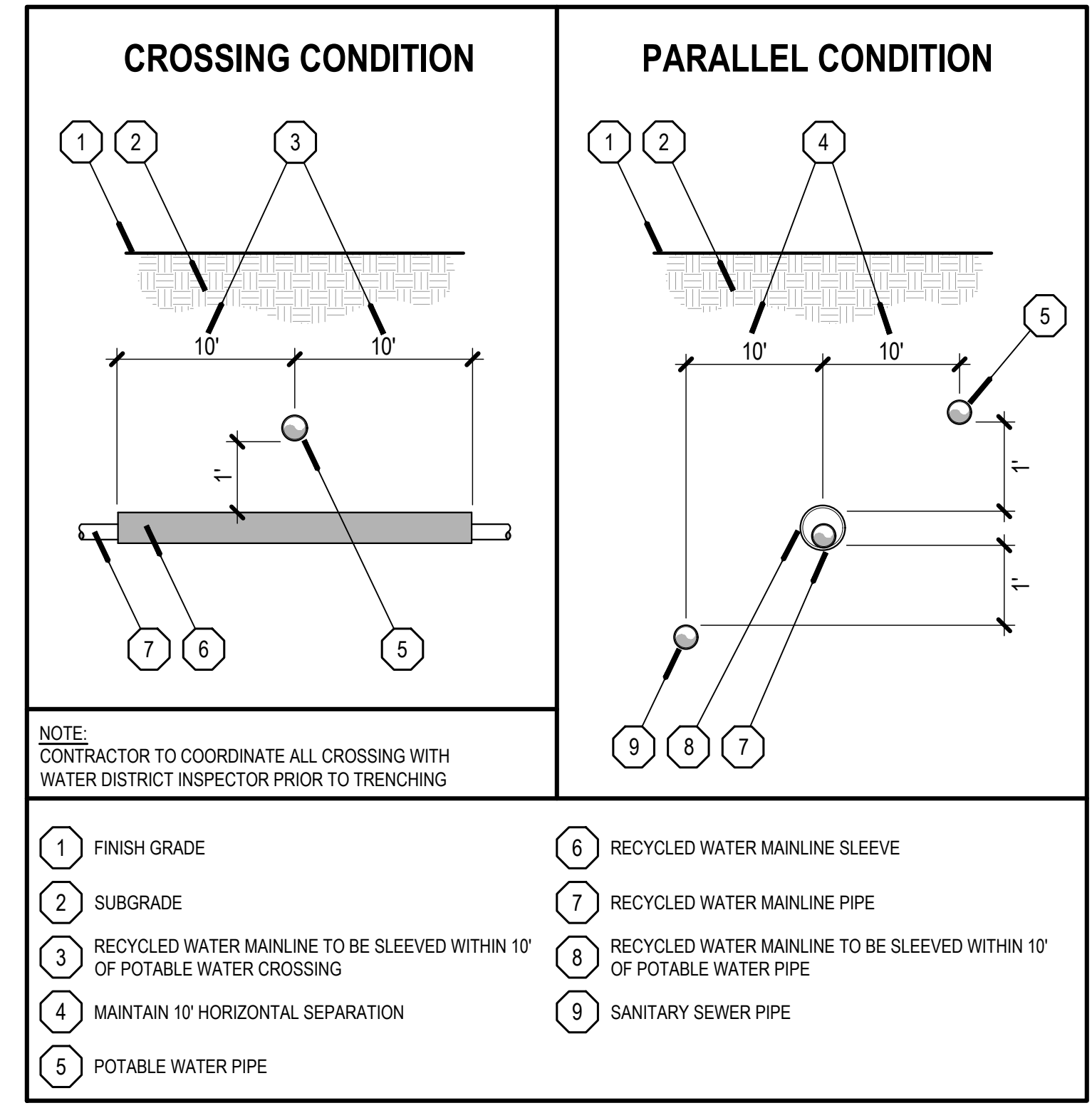
20.0 DRIP INDICATOR NO SCALE ARROYO IRRIGATION CONSULTING



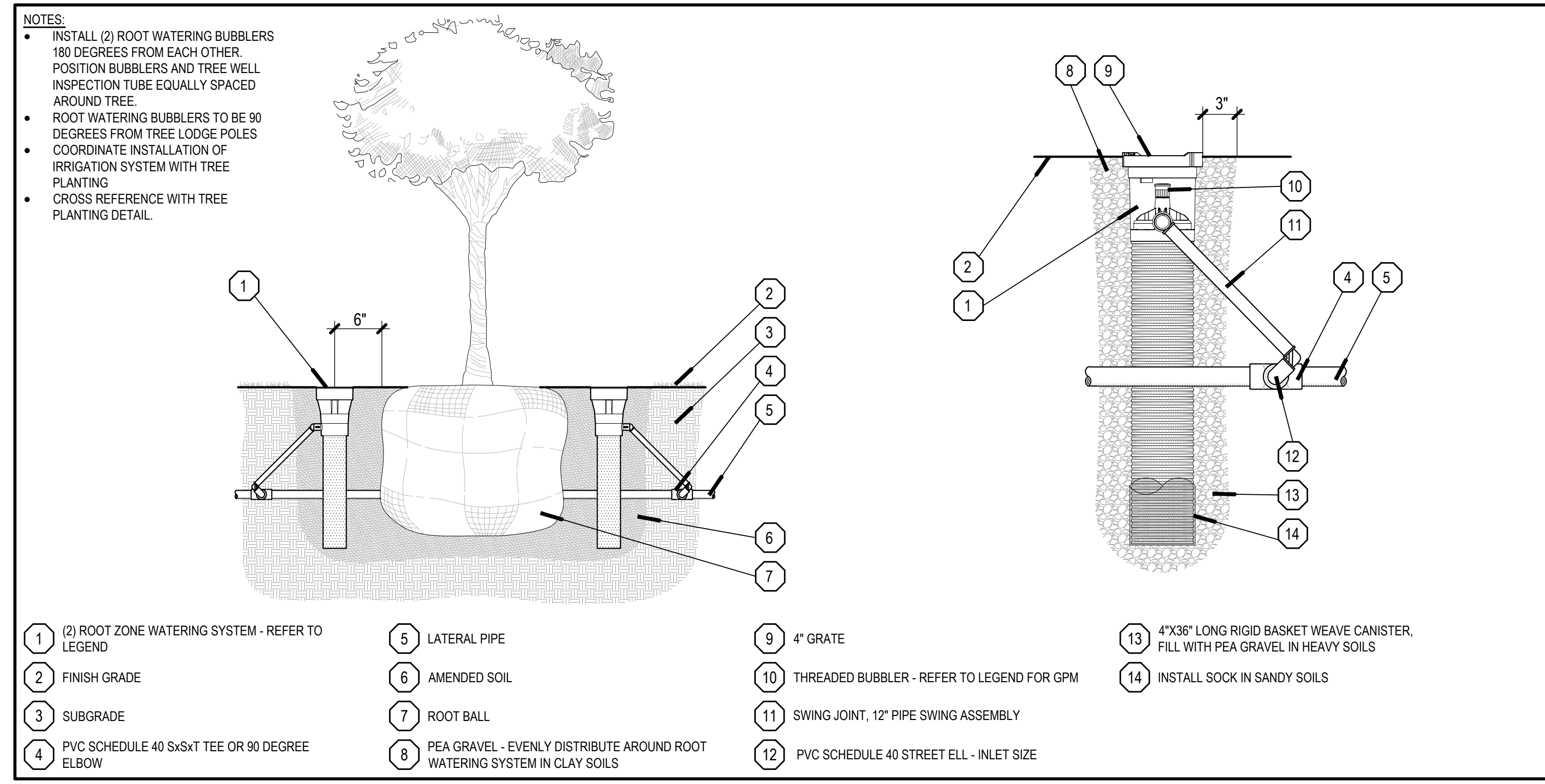
19.0 INLINE DRIP HEADER NO SCALE ARROYO IRRIGATION CONSULTING

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COLOR CODING
SPRINKLERS, ROTOR HEADS AND OTHER TYPES OF DISPERSION HEADS SHALL HAVE THE EXPOSED SURFACE COLORED PURPLE. THE EXPOSED SURFACE SHALL BE COLORED THROUGH THE USE OF INTEGRALLY MOLDED PURPLE PLASTIC OR PERMANENTLY ATTACHED PURPLE PLASTIC RING OR DISC. ALL SHRUB HEADS SHALL HAVE PURPLE CAPS. DECAL ON RISERS WILL NOT BE ACCEPTED.



23.0 DW / RW PIPE CROSSING NO SCALE ARROYO IRRIGATION CONSULTING



22.0 ROOT ZONE WATERING SYSTEM NO SCALE ARROYO IRRIGATION CONSULTING

BrightView Design Group

PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

8 HUGHES, SUITE 150 IRVINE, CALIFORNIA 92618 (949) 238-4900

LANDSCAPE ARCHITECT

PLAN REVISION DESCRIPTION

811 Know what's below. Call 811 before you dig.

SEE THE INDEX ON SHEET LI-403 FOR COMPLETE LIST OF DRAWINGS.

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

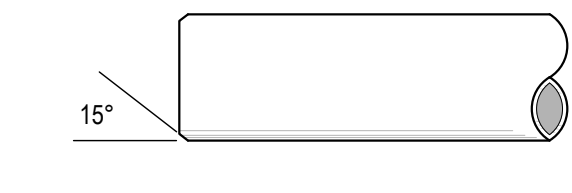
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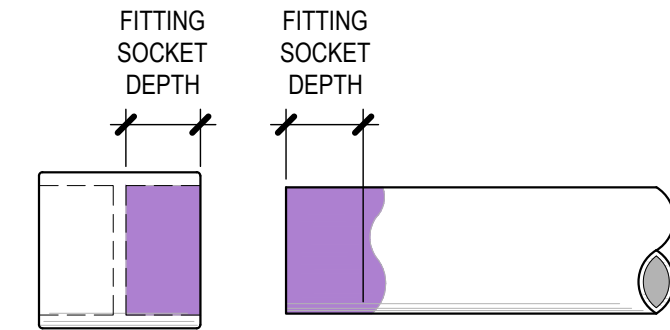
SHEET NUMBER: LI-403

STEP 1



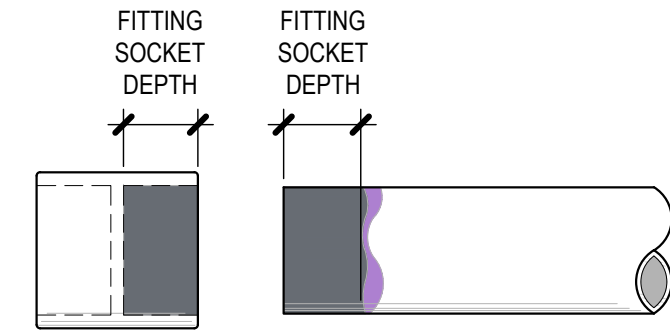
- CUTTING PIPE**
- CUT PVC PIPE WITH PVC CUTTER OR FINE TOOTH SAW
 - REMOVE BURRS FROM INSIDE AND OUTSIDE OF PIPE USING A DEBURRING TOOL OR FILE
 - BEVEL END OF PIPE AT A CONSISTENT 10° - 15° ANGLE USING CHAMFERING TOOL
 - DRY FIT PIPE AND FITTING

STEP 2



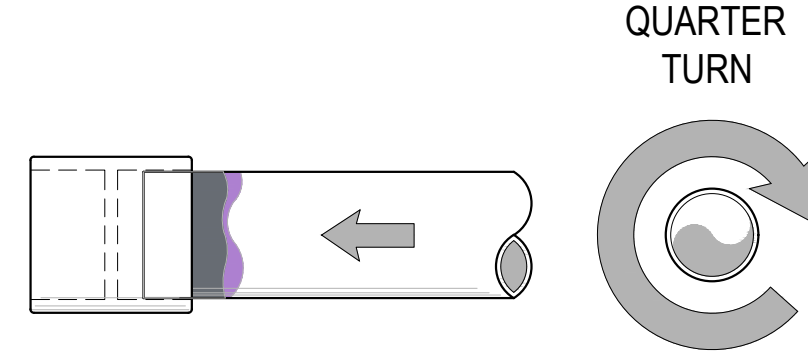
- PRIMER**
- APPLY PRIMER TO FITTING
 - APPLY PRIMER TO PIPE TO MATCH DEPTH OF FITTING SOCKET
 - REAPPLY PRIMER TO FITTING
 - REPEAT PROCESS 2 - 3 TIMES
 - WHILE THE PRIMER IS WET, APPLY SOLVENT CEMENT

STEP 3



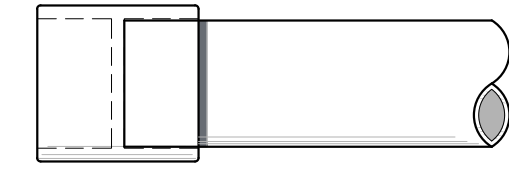
- SOLVENT CEMENT**
- APPLY SOLVENT CEMENT TO PIPE TO MATCH DEPTH OF FITTING SOCKET IN A CIRCULAR MOTION
 - APPLY SOLVENT CEMENT TO FITTING - AVOID PUDDLING AND APPLYING CEMENT IN OTHER SOCKET OR THREADS
 - REAPPLY SOLVENT CEMENT TO PIPES LARGER THAN 1-1/4" TO THE DEPTH OF THE FITTING SOCKET IN A CIRCULAR MOTION

STEP 4



- JOINT ASSEMBLY**
- IMMEDIATELY AFTER APPLYING SOLVENT CEMENT, INSERT PIPE INTO FITTING SOCKET WHILE ROTATING PIPE QUARTER TURN
 - ALIGN FITTING TO PROPER ORIENTATION
 - ENSURE PIPE BOTTOMS OUT AT FITTING STOP

STEP 5



- SET AND CURE TIMES**
- HOLD ASSEMBLY FOR 30 SECONDS TO ENSURE INITIAL BOND AND TO PREVENT PIPE BACKING OUT OF FITTING
 - VERIFY A BEAD OF CEMENT IS PRESENT AROUND THE ENTIRE PIPE AND FITTING JOINT
 - DO NOT HANDLE JOINT UNTIL INITIAL SET TIME HAS PASSED - 30 MINUTES FOR PIPES < 8" @ 60° - 100° F
 - DO NOT PRESSURIZE IRRIGATION SYSTEM UNTIL CURE TIME HAS PASSED - 24 HOURS FOR PIPES < 8" @ 60° - 100° F

- NOTE:**
- APPLY PRIMER AND SOLVENT CEMENT TO PIPE AND FITTING WITH AN APPLICATOR 1/2 THE PIPE DIAMETER

26.0 SOLVENT CEMENT JOINTS



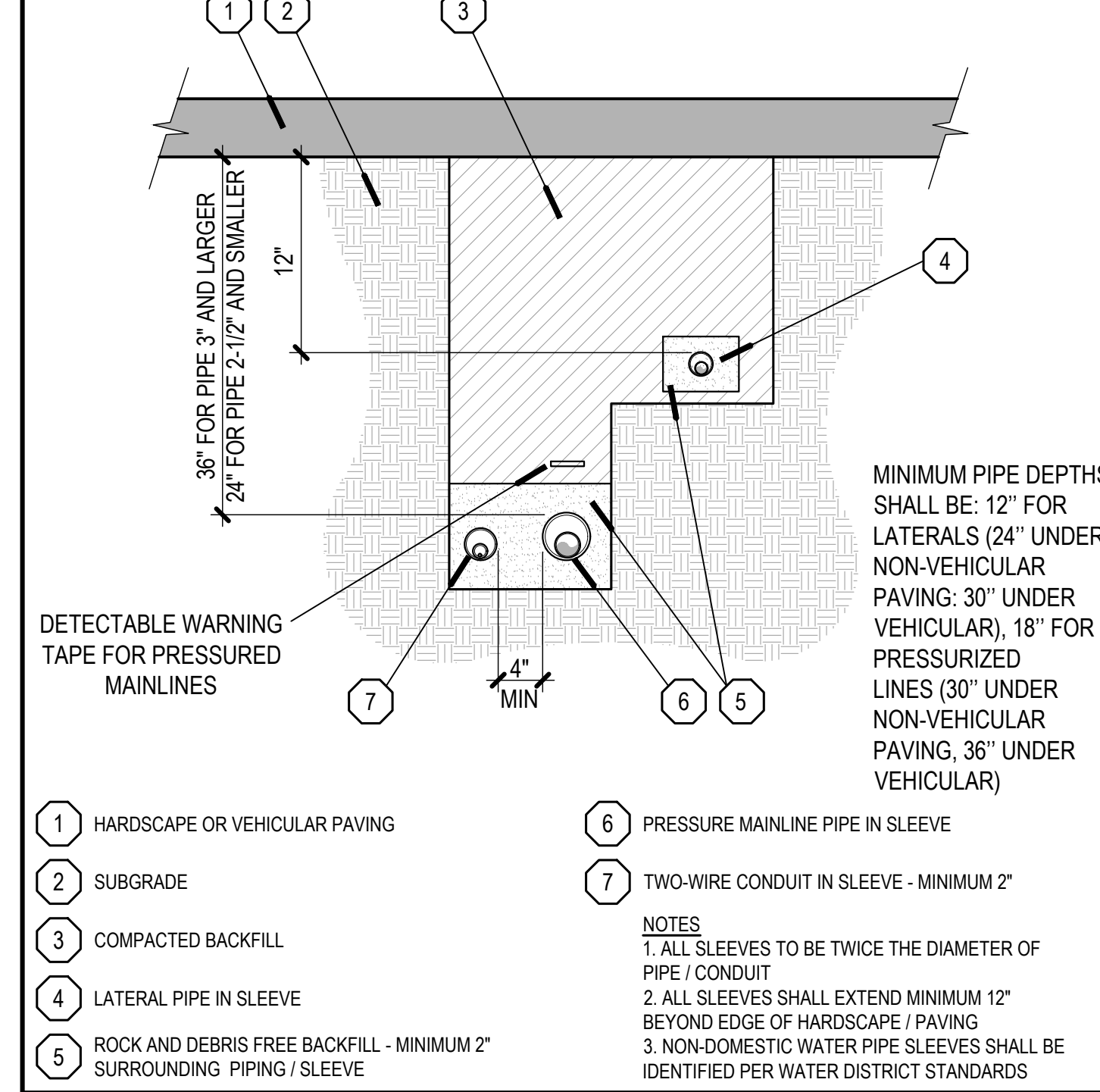
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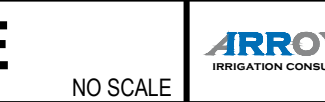
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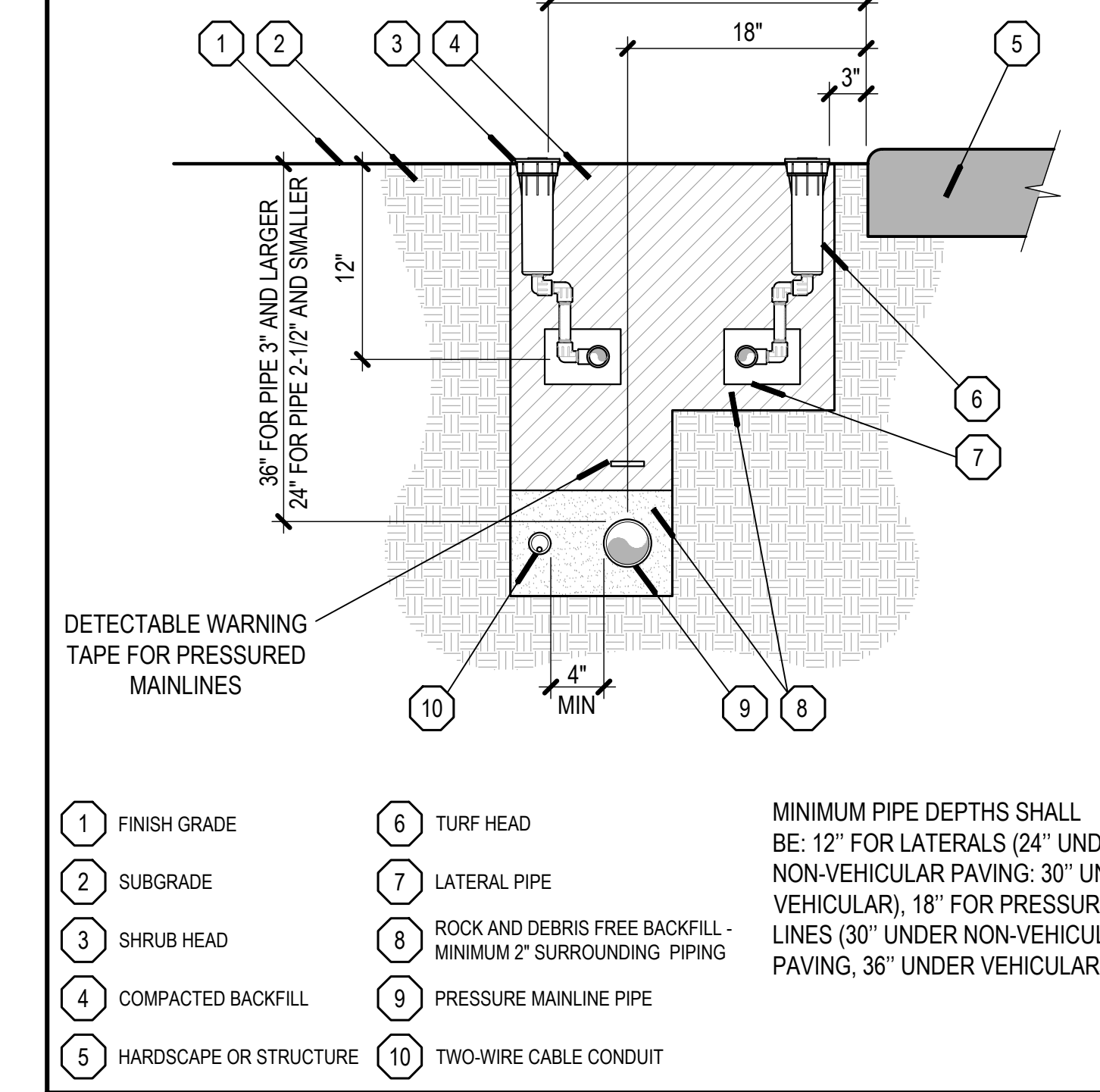
25.0 PIPE UNDER PAVING - TWO-WIRE



25.0 PIPE UNDER PAVING - TWO-WIRE



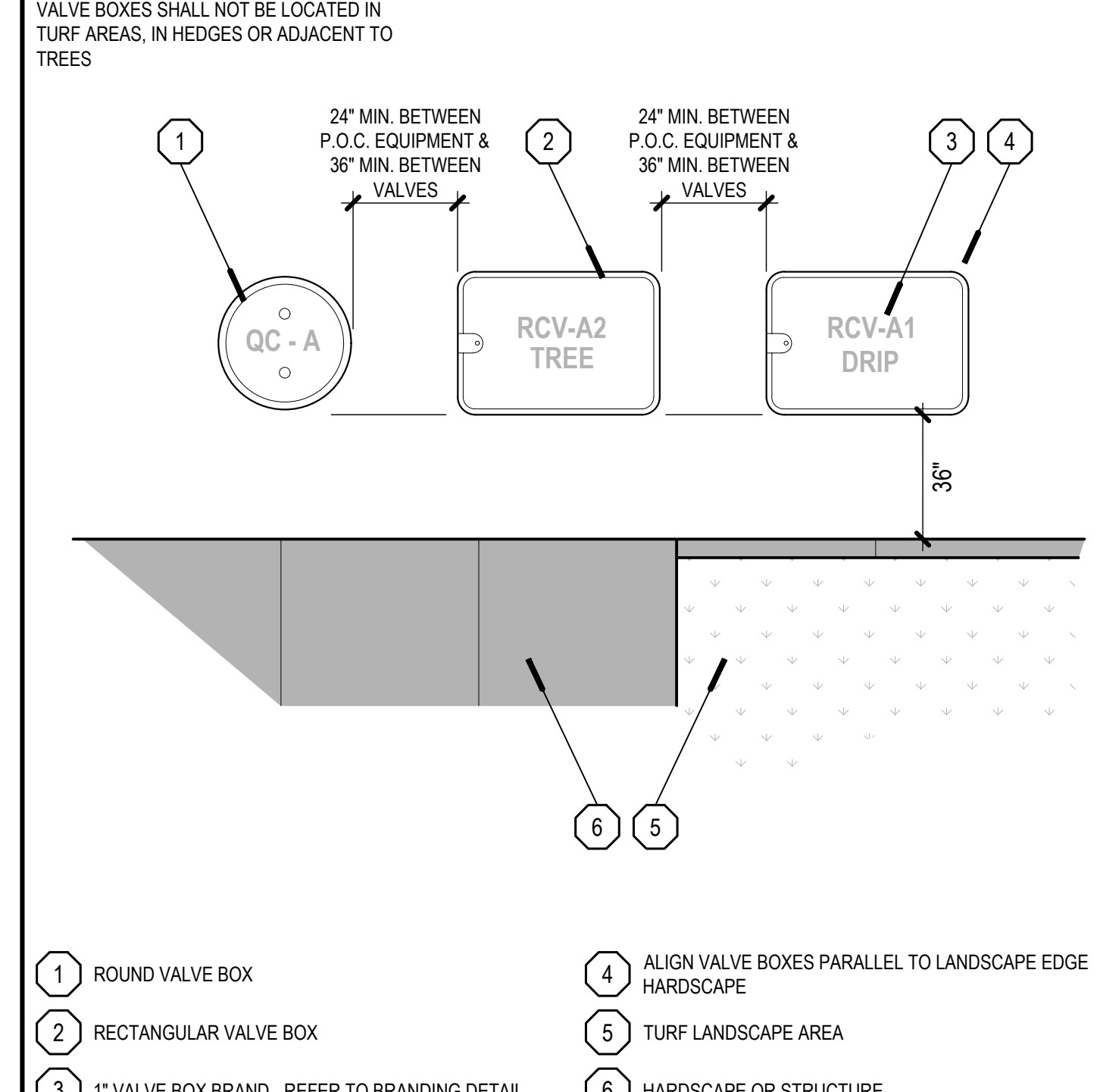
24.0 PIPE TRENCHING - TWO-WIRE



24.0 PIPE TRENCHING - TWO-WIRE



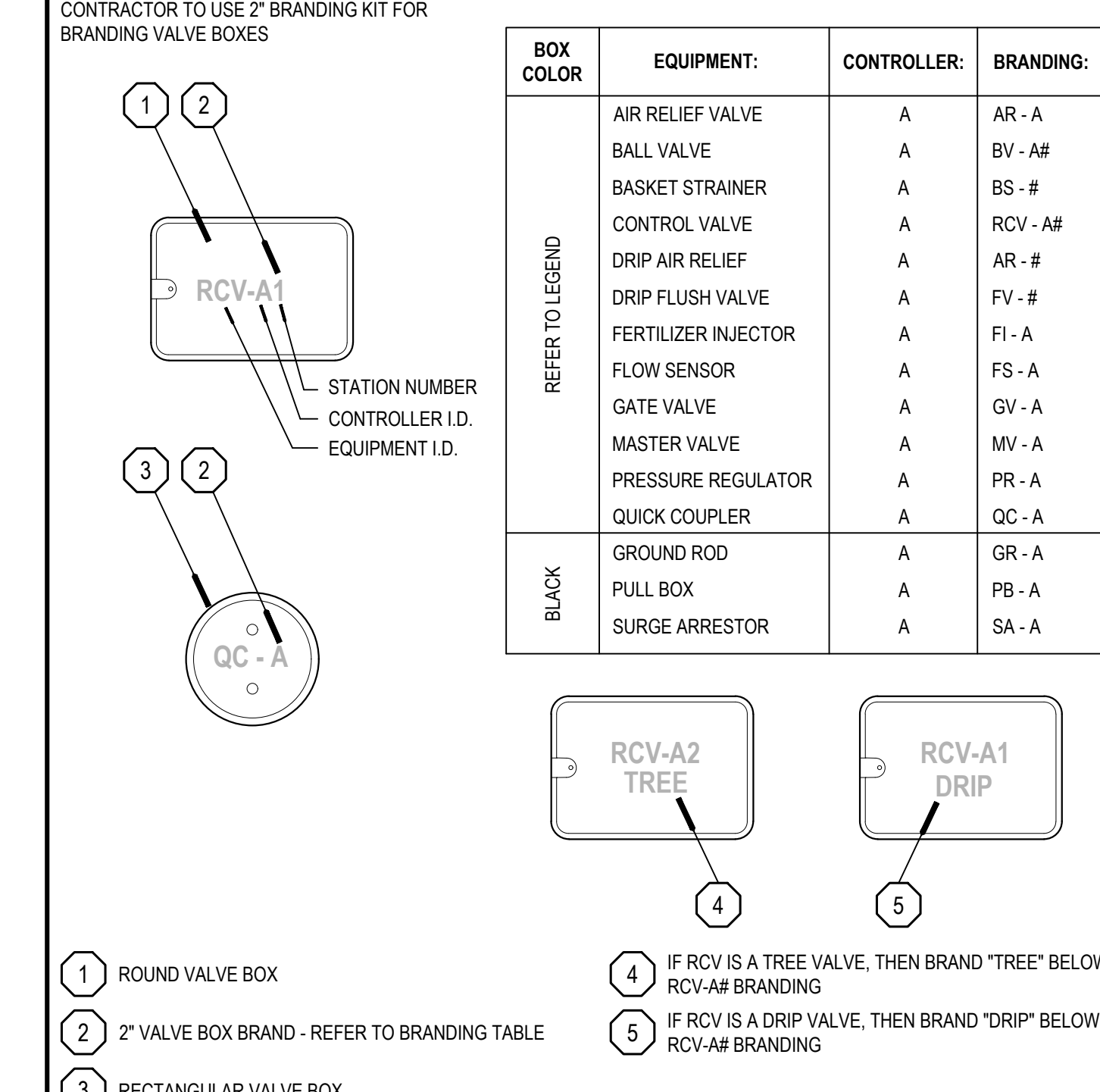
28.0 VALVE BOX LAYOUT



28.0 VALVE BOX LAYOUT



27.0 VALVE BOX BRANDING



27.0 VALVE BOX BRANDING



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PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

8 HUGHES, SUITE 150
IRVINE, CALIFORNIA 92618
(949) 238-4900

PLAN REVISION DESCRIPTION

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HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

AGENCY SUBMITTAL #1

| PLAN SET | ISSUE DATE | PROJECT STATUS LOG |
|----------|------------|---------------------|
| A | 06/28/2023 | AGENCY SUBMITTAL #1 |

BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012
SHEET TITLE: IRRIGATION DETAILS
SHEET NUMBER: LI-404

PLANT SCHEDULE

| TREES | BOTANICAL / COMMON NAME | SIZE | WUCOLS | | QTY | | |
|--------|--|--------------------------|--------|-------|----------|--|---------|
| | ARBUS UNEDO STRAWBERRY TREE MULTI-TRUNK | 36" BOX - STANDARD TRUNK | L | | 10 | | |
| | CERCIS OCCIDENTALIS WESTERN REDBUD MULTI-TRUNK | 24" BOX - STANDARD TRUNK | L | | 12 | | |
| | LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA' TUSCARORA CRAPE MYRTLE MULTI-TRUNK | 36" BOX - STANDARD TRUNK | M | | 8 | | |
| | LOPHOSTEMON CONFERTUS BRISBANE BOX | 36" BOX - STANDARD TRUNK | M | | 5 | | |
| | PARKINSONIA X 'DESERT MUSEUM' DESERT MUSEUM PALO VERDE | 48" BOX - MULTI TRUNK | VL | | 3 | NARROW VASE SHAPE TRUNKS | |
| | PODOCARPUS GRACILIOR FERN PINE | 48" BOX - STANDARD TRUNK | M | | 17 | TOTAL HEIGHT 18'-20', TREE CANOPY TO LEAST 5' ABOVE GRADE INSTALLED, AND PORTION OF THE TREE CANOPY EXTEND OUTSIDE THE POOL FENCE IS TO BE MAINTAINED ABOVE THE FENCE LINE | |
| | QUERCUS AGRIFOLIA COAST LIVE OAK | 72" BOX - STANDARD TRUNK | VL | | 1 | | |
| | TRISTANIA CONFERTA BRISBANE BOX | 36" BOX - STANDARD TRUNK | M | | 10 | | |
| | X CHITALPA TASHKENTENSIS 'MORNING CLOUD' MORNING CLOUD CHITALPA | 48" BOX - STANDARD TRUNK | L | | 4 | TREE CANOPY TO BE AT LEAST 5' ABOVE INSTALLED, AND ANY PORTION OF THE TREE CANOPY EXTENDING OUTSIDE THE POOL IS TO BE MAINTAINED ABOVE THE FENCE | |
| SHRUBS | BOTANICAL / COMMON NAME | SIZE | WUCOLS | UNITS | SPACING | QTY | REMARKS |
| | AGAVE AMERICANA CENTURY PLANT | 15 GAL | VL | VL | 72" o.c. | 10 | |
| | AGAVE X 'BLUE GLOW' BLUE GLOW AGAVE | 15 GAL | L | L | 30" o.c. | 54 | |
| | ALOE BARBADENSIS BARBADOS ALOE | 5 GAL | L | L | 36" o.c. | 143 | |
| | ALOE X 'BLUE ELF' BLUE ELF ALOE | 5 GAL | L | L | 24" o.c. | 101 | |
| | CALLIANDRA CALIFORNICA RED BAJA FAIRY DUSTER | 5 GAL | VL | VL | 54" o.c. | 45 | |
| | CAREX DIVULSA EUROPEAN GREY SEDGE | 1 GAL | L | L | 30" o.c. | 484 | |
| | CISTANTHE GRANDIFLORA ROCK PURSLANE | 5 GAL | L | L | 36" o.c. | 128 | |
| | CISTUS X PURPUREUS ORCHID ROCKROSE | 5 GAL | L | L | 60" o.c. | 32 | |
| | COTONEASTER HORIZONTALIS ROCKSPRAY COTONEASTER | 5 GAL | L | L | 60" o.c. | 80 | |
| | ENCELIA FARINOSA BRITTLE BUSH | 5 GAL | VL | VL | 36" o.c. | 10 | |
| | EPILOBIUM CALIFORNICUM CALIFORNIA FUCHSIA | 5 GAL | L | L | 36" o.c. | 7 | |
| | HESPERALOE PARVIFLORA RED YUCCA | 5 GAL | VL | VL | 54" o.c. | 55 | |
| | LANTANA MONTEVIDENSIS PURPLE TRAILING LANTANA | 5 GAL | L | L | 48" o.c. | 153 | |
| | LANTANA X 'NEW GOLD' NEW GOLD LANTANA | 5 GAL | VL | VL | 48" o.c. | 126 | |
| | LAVANDULA ANGUSTIFOLIA 'MUNSTEAD' MUNSTEAD ENGLISH LAVENDER | 5 GAL | L | L | 24" o.c. | 438 | |
| | LIGUSTRUM JAPONICUM 'COLUMNAR' WAX LEAF PRIVET COLUMNAR FORM | 15 GAL | L | L | 60" o.c. | 6 | |
| | MYOPORUM PARVIFOLIUM 'PUTAH CREEK' PUTAH CREEK TRAILING MYOPORUM | 1 GAL | L | | 48" o.c. | 10 | |
| | OLEA EUROPAEA 'LITTLE OLLIE' TM LITTLE OLLIE OLIVE | 5 GAL | L | L | 48" o.c. | 19 | |
| | PHLOMIS FRUTICOSA JERUSALEM SAGE | 5 GAL | L | L | 48" o.c. | 58 | |
| | PHLOMIS LANATA JERUSALEM SAGE | 5 GAL | L | L | 60" o.c. | 22 | |
| | SALVIA CHAMAEDRYOIDES MEXICAN BLUE SAGE | 5 GAL | L | L | 42" o.c. | 31 | |
| | SALVIA LEUCANTHA MEXICAN BUSH SAGE | 5 GAL | L | L | 54" o.c. | 189 | |
| | SENECIO MANDRALISCAE BLUE FINGERS | 1 GAL | L | L | 18" o.c. | 381 | |
| | TEUCRIUM CHAMAEDRYIS GERMANDER | 1 GAL | L | L | 36" o.c. | 120 | |
| | TRICHOSTEMA LANATUM WOOLLY BLUE CURLS | 5 GAL | VL | VL | 60" o.c. | 20 | |
| | WESTRINGIA FRUTICOSA COAST ROSEMARY | 15 GAL | L | L | 60" o.c. | 239 | |
| | WESTRINGIA FRUTICOSA 'MUNDI' LOW COAST ROSEMARY | 5 GAL | L | L | 48" o.c. | 64 | |

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LANDSCAPE ARCHITECT
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PLAN REVISION DESCRIPTION

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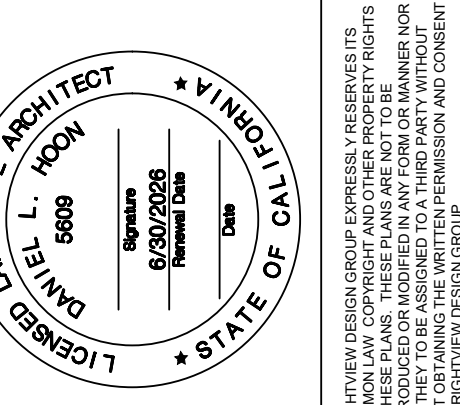
SEE TO SHEET INDEX ON SHEET TO CHECK COMPLETE LIST OF DRAWINGS.

HOMEFED CORPORATION
OTAY VILLAGE 8 WEST SWIM CLUB
LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

AGENCY SUBMITTAL #2

| PLAN SET | ISSUE DATE | PROJECT STATUS LOG |
|----------|------------|-----------------------|
| A | 06/28/2023 | AGENCY SUBMITTAL #1 |
| B | 09/06/2023 | PLANNING SUBMITTAL #2 |

BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012
SHEET TITLE: PLANTING LEGEND
SHEET NUMBER: LP-002
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| PLAN REVISION DESCRIPTION |
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LANDSCAPE DEVELOPMENT PLANS
CHULA VISTA, CALIFORNIA

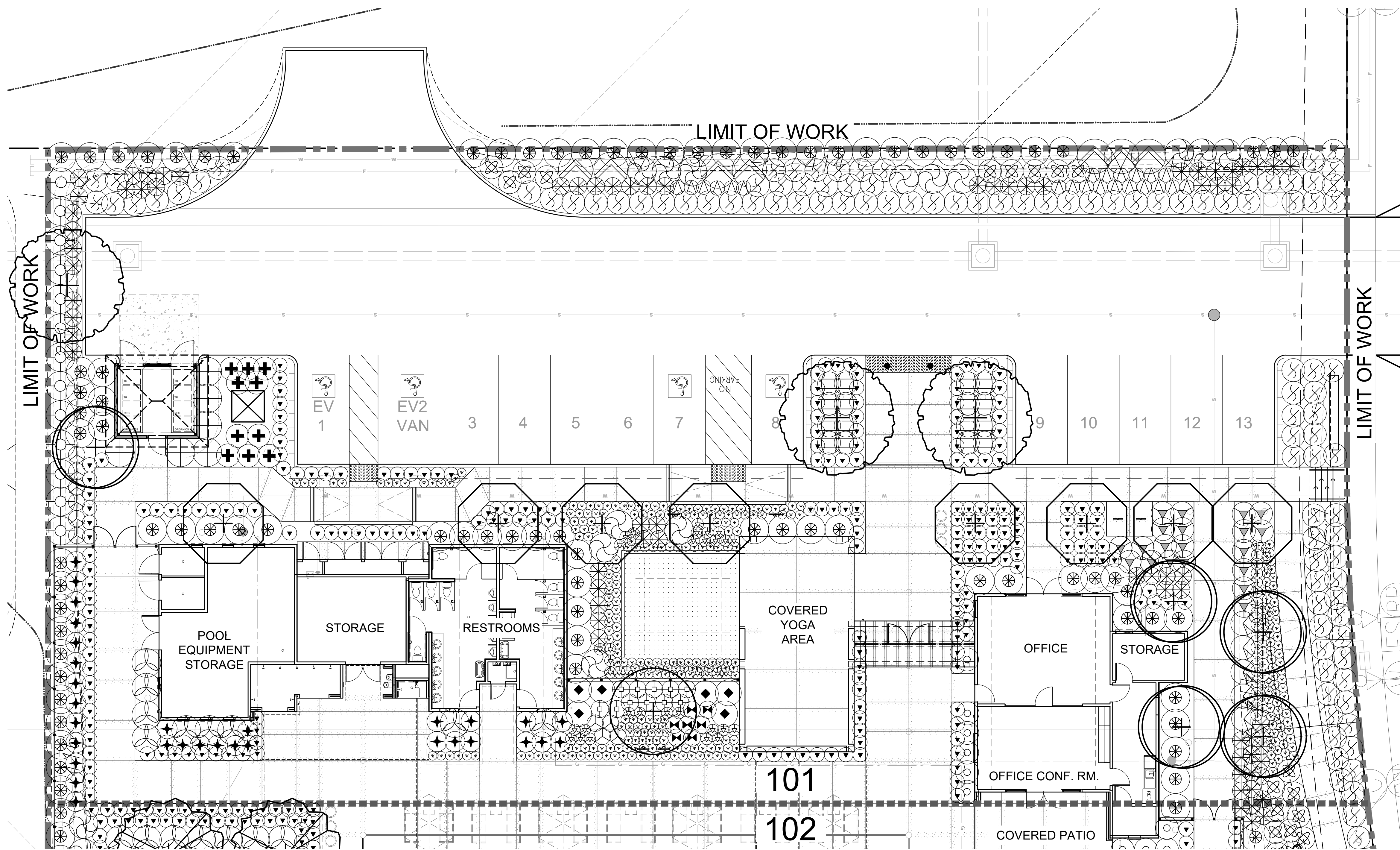
AGENCY SUBMITTAL #2

| PLAN SET | ISSUE DATE | PROJECT STATUS LOG |
|----------|------------|-----------------------|
| A | 06/28/2023 | AGENCY SUBMITTAL #1 |
| B | 09/06/2023 | PLANNING SUBMITTAL #2 |

BVDG JOB NUMBER: 1730912
DRAWN BY: HW/BT
PLAN CHECK NO: GR23-0012

PLANTING PLANS

SHEET NUMBER
LP-101



AVENIDA CAPRISE

| PLANT SCHEDULE L4.101 | |
|-----------------------|--|
| TREES | BOTANICAL / COMMON NAME |
| | ARBUTUS UNEDO STRAWBERRY TREE MULTI-TRUNK |
| | LOPHOSTEMON CONFERTUS BRISBANE BOX |
| | PARKINSONIA X 'DESERT MUSEUM' DESERT MUSEUM PALO VERDE |
| | X CHITALPA TASHKENTENSIS 'MORNING CLOUD' MORNING CLOUD CHITALPA |

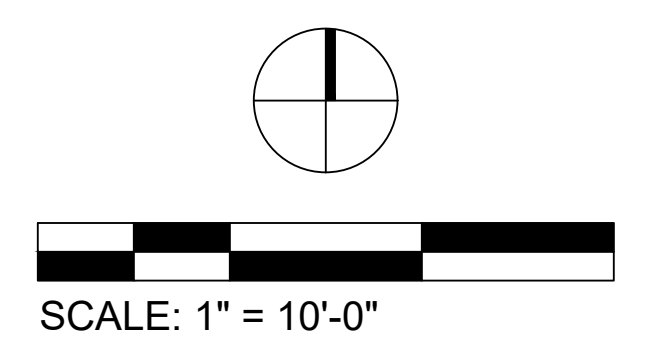
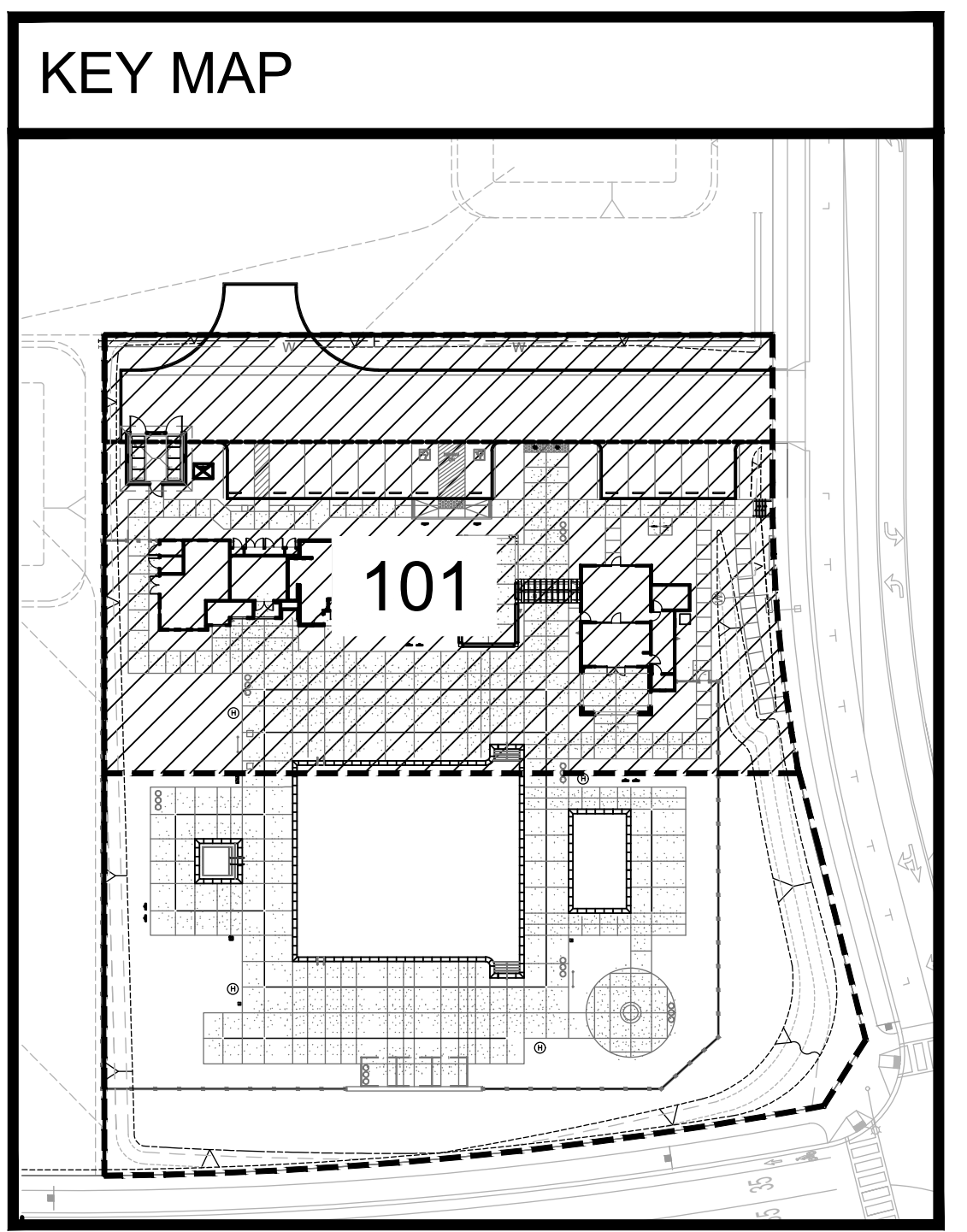
| PLANT SCHEDULE L4.101 | |
|-----------------------|---|
| SHRUBS | BOTANICAL / COMMON NAME |
| | AGAVE AMERICANA CENTURY PLANT |
| | AGAVE X 'BLUE GLOW' BLUE GLOW AGAVE |
| | ALOE BARBADENSIS BARBADOS ALOE |
| | ALOE X 'BLUE ELF' BLUE ELF ALOE |
| | CALLIANDRA CALIFORNICA RED BAJA FAIRY DUSTER |
| | CAREX DIVULSA EUROPEAN GREY SEDGE |
| | CISTANTHE GRANDIFLORA ROCK PURSLANE |
| | COTONEASTER HORIZONTALIS ROCKSPRAY COTONEASTER |

| PLANT SCHEDULE L4.101 | |
|-----------------------|---|
| SHRUBS | BOTANICAL / COMMON NAME |
| | ENCELIA FARINOSA BRITTLE BUSH |
| | EPILOBIUM CALIFORNICUM CALIFORNIA FUCHSIA |
| | LANTANA MONTEVIDENSIS PURPLE TRAILING LANTANA |
| | LANTANA X 'NEW GOLD' NEW GOLD LANTANA |
| | LAVANDULA ANGUSTIFOLIA 'MUNSTEAD' MUNSTEAD ENGLISH LAVENDER |
| | LIGUSTRUM JAPONICUM 'COLUMNAR' WAX LEAF PRIVET COLUMNAR FORM |
| | MYOPORUM PARVIFOLIUM 'PUTAH CREEK' PUTAH CREEK TRAILING MYOPORUM |
| | OLEA EUROPAEA 'LITTLE OLLIE' TM LITTLE OLLIE OLIVE |

| PLANT SCHEDULE L4.101 | |
|-----------------------|--|
| SHRUBS | BOTANICAL / COMMON NAME |
| | PHLOMIS FRUTICOSA JERUSALEM SAGE |
| | PHLOMIS LANATA JERUSALEM SAGE |
| | SALVIA CHAMAEDRYOIDES MEXICAN BLUE SAGE |
| | SALVIA LEUCANTHA MEXICAN BUSH SAGE |
| | SENECIO MANDRALISCAE BLUE FINGERS |
| | TRICHOSTEMA LANATUM WOOLLY BLUE CURLS |
| | WESTRINGIA FRUTICOSA COAST ROSEMARY |
| | WESTRINGIA FRUTICOSA 'MUNDI' LOW COAST ROSEMARY |

PLANTING NOTES:

- ALL LANDSCAPE AREAS SHALL SHEET FLOW @ 2% MINIMUM OR DRAIN TO AREA DRAINS @ 1% MINIMUM.
- FINAL TREE AND SHRUB LOCATIONS MAY BE ADJUSTED IN FIELD PENDING AS BUILT LOCATION OF THE STREET LIGHT AND UTILITIES. PRIOR TO INSTALLATION, VERIFY & COORDINATE WITH ON-SITE CITY INSPECTOR AND OWNER/LANDSCAPE ARCHITECT ON TREE AND SHRUB LOCATIONS.
- APPLY PRE-EMERGENT BEFORE THE MULCH LAYER IS INSTALLED TO PREVENT WEEDS. WEEDS SHALL BE REMOVED BEFORE 2" HIGH OR WEED SEED DEVELOPS.
- A MINIMUM 3-INCH LAYER OF ORGANIC MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS AND A MINIMUM 1-INCH LAYER ON EXPOSED SURFACES OF GROUND COVER AREAS, EXCEPT TURF AREAS OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED. ORGANIC MULCH SHOULD BE BROWN FOREST FLOOR TYPE WOOD CHIPPED MULCH (AGUINAGA BRAND) OR EQUAL - CHIP TO BE 2" OR SMALLER.
- TREES 5' OR CLOSER TO A HARDSCAPE EDGE TO BE INSTALLED WITH LINEAR POLYETHYLENE ROOT BARRIER(24"D X 20'W) PER DETAIL ON SHEET L4.401.
- REFER TO POT LEGEND FOR PLANTING MATERIAL.
- ALL TREE TRUNKS SHALL BE KEPT A MINIMUM OF 5'-0" CLEAR FROM OUTSIDE POOL FENCE.
- ALL TREES TO BE SUBMITTED TO LANDSCAPE ARCHITECT VIA NURSERY PHOTOS OF CURRENT SUPPLY STOCK AND SHALL MEET ANSI Z60.1 SPECIFICATIONS FOR NURSERY STOCK. BE FREE FROM DEFECTS INCLUDING CO-DOMINANT STEMS, AND GIRDLING ROOTS. ROOT FLARE SHALL BE VISIBLE AT TOP OF SOIL LEVEL. STREET TREES AND TREES NEXT TO WALKWAYS SHALL HAVE A MINIMUM 5' TRUNK FREE OF BRANCHES. DEFECTIVE PLANT MATERIAL SHALL BE REMOVED AND REPLACED AS SOON AS POSSIBLE AND VERIFIED AT FINAL CITY INSPECTION OR TURN OVER. CONTRACTOR SHALL ALSO SUBMIT SHRUB PHOTOS OF CURRENT SUPPLY STOCK FOR REVIEW AND APPROVAL PRIOR TO SHIPPING PLANT MATERIAL TO THE SITE.
- TREE CANOPY TO BE AT LEAST 5' ABOVE GRADE INSTALLED, AND ANY PORTION OF THE TREE CANOPY EXTENDING OUTSIDE THE POOL FENCE IS TO BE MAINTAINED ABOVE THE FENCE LINE.



GENERAL NOTES FOR PUBLIC SWIMMING POOLS & SPA

ALL WORK SHALL COMPLY WITH
 2022 CBC 2022 CMC 2022 CFC
 2022 CEC 2022 CPC
 2022 CALIFORNIA GREEN STANDARDS CODE
 STATE OF CALIFORNIA AND CITY MUNICIPAL CODE

THIS PROJECT WILL COMPLY WITH SECTION 110.4 OF THE ENERGY REGULATIONS:

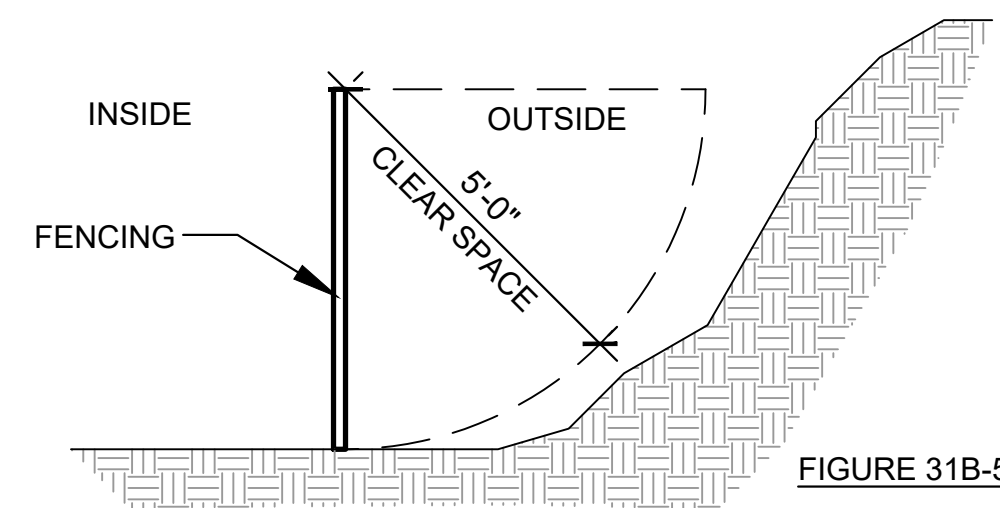
- A. THE THERMAL EFFICIENCY THAT COMPLIES WITH THE APPLIANCE EFFICIENCY REGULATIONS.
- B. AN ON/OFF SWITCH FOR THE HEATER.
- C. INSTALL A WATERPROOF PLATE PROVIDING INSTRUCTION FOR THE ENERGY EFFICIENT OPERATION OF THE HEATER.
- D. POOL/SPA WILL HAVE DIRECTIONAL INLETS FOR MIXING THE WATER;
- E. A TIME CLOCK WILL BE INSTALLED AS PART OF THE POOL WATER CIRCULATION SYSTEM.
- F. POOL/SPA'S HEATER(S) WILL NOT HAVE A CONTINUOUS PILOT.
- G. AT LEAST 36 INCHES OF PIPE SHALL BE INSTALLED BETWEEN THE FILTER AND THE HEATER TO ALLOW FOR THE FUTURE ADDITION OF SOLAR HEATING EQUIPMENT.

AREA NOTES

THE POOL SHALL BE ENCLOSED BY ONE OR A COMBINATION OF THE FOLLOWING: A FENCE, PORTION OF A BUILDING, WALL, OR OTHER APPROVED DURABLE ENCLOSURE.

ENCLOSURE OF POOL AREA TO BE MINIMUM EFFECTIVE PERPENDICULAR HEIGHT OF 5 FEET MINIMUM OR PER CITY REGULATION IF GREATER. ENCLOSURE TO BE CHILDPROOF TYPE WITH 4 INCHES MAX. OPENING, HOLES, OR GAPS IN THE ENCLOSURE, DOOR AND/OR GATES SHALL NOT ALLOW THE PASSAGE OF A 4-INCH DIAMETER SPHERE. THE ENCLOSURE SHALL BE CONSTRUCTED OVER A HARD AND PERMANENT MATERIAL EQUIVALENT TO CONCRETE.

NO PLANTERS OR OTHER STRUCTURES THAT CAN BE CLIMBED SHALL BE PERMITTED WITHIN 5 FEET OF THE OUTSIDE OF THE POOL ENCLOSURE OR WITHIN A 5 FOOT ARC AS DEPICTED IN FIGURE 31B-5. THE AREA 5 FEET OUTSIDE OF THE POOL ENCLOSURE SHALL BE A COMMON AREA OPEN TO THE PUBLIC PER CBC 3119B.1.



GATES AND DOOR TO BE OPENED OUTWARDLY AWAY FROM THE POOL. DOOR HARDWARE, HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.

- LEVER-OPERATED OR PUSH-TYPE MECHANISMS AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS. HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE WILL MOUNTED NO HIGHER THAN 44 IN & NO LOWER THAN 42 IN ABOVE FINISHED FLOOR.
- DECKS TO BE SLIP-RESISTANT CONCRETE EXTENDING A MINIMUM OF 4 FEET BEYOND POOL EDGE. EXCEPT: AT LEAST 4 FEET IN WIDTH SHALL EXTEND AROUND A CONTINUOUS 50% OR MORE OF THE SPADECKS TO SLOPE NO MORE THAN 2 PERCENT (1/4 INCH PER FOOT) AWAY FROM THE POOL TO A DECK DRAINAGE SYSTEM. LANDSCAPE PLANTERS, FLOWER BEDS OR SIMILAR UNPAVED AREAS SHALL NOT BE LOCATED WITHIN 4 FEET OF A SPA/POOL.
- EMERGENCY SHUT OFF SWITCH FOR ALL SPA PUMPS (BOTH CIRCULATION & BOOSTER) SHALL BE LOCATED 5 FEET MINIMUM FROM WATER AND WITHIN ENCLOSURE. EMERGENCY SHUT OFF SIGN SHALL BE CONSPICUOUSLY POSTED.

SAFETY (SUPPLIED BY POOL CONTRACTOR)

EXCEPT FOR SPRAY GROUNDS WITHOUT STANDING WATER, THE POOL OPERATOR SHALL ENSURE THE FOLLOWING SAFETY AND FIRST AID EQUIPMENT:

- FIRST AID KIT WITH INSTRUCTIONS.
- TELESCOPIC POLE WITH LEAF RAKE AND 18 INCHES BRUSH, 16 FEET (POOL), 12 FEET (SPA) STRAIGHT POLE WITH BODY HOOK. FOR POOLS THAT EXCEED 75 FEET IN LENGTH OR 50 FEET IN WIDTH, THE POOL OPERATOR SHALL PROVIDE A RESCUE POLE AND A LIFE RING ON AT LEAST TWO OPPOSING SIDES OF THE PUBLIC POOL AT CENTRALIZED LOCATIONS.
- SAFETY LIFE RING WITH 1/4 INCH NYLON ROPE MINIMUM LENGTH TO WIDTH OF POOL.

ACCESSIBILITY NOTES

THE FOLLOWING SHALL BE PROVIDED BY THE GENERAL CONTRACTOR AND COMPLY WITH THE PHYSICALLY DISABLED ACCESSIBILITY REQUIREMENTS.

1. RAMPS: SHALL NOT EXCEED MAXIMUM SLOPES (1/12).
2. DECKS: SHALL NOT EXCEED MAXIMUM SLOPES.
3. GATES AND DOORS: SHALL BE 3'-0" MINIMUM WIDTH.
4. POOL AND/OR SPA:
 - A) SHALL BE PROVIDED WITH RAMP FOR DISABLED ACCESS OR
 - B) SHALL BE PROVIDED WITH A SLEEVE AND A ACCESSIBLE LIFT AS SPECIFIED BY THE MANUFACTURER.

SIGNAGE

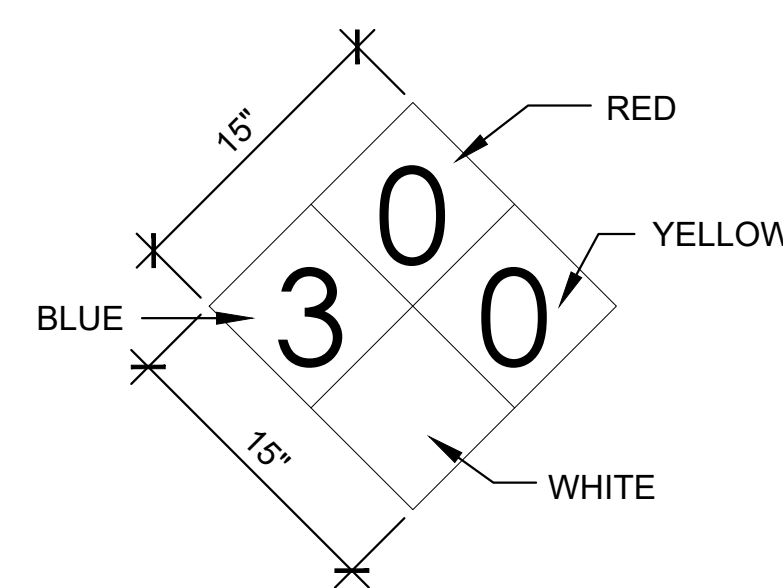
ALL SIGNS SHALL HAVE MINIMUM 4 INCHES HIGH, LEGIBLE LETTERS OR NUMBERS UNLESS OTHERWISE REQUIRED IN THIS SECTION. ALL SIGNS MUST MEET REQUIREMENTS OF 2022 CALIFORNIA BUILDING CODE, CCR TITLE 24.

- OCCUPANT CAPACITY: POOL $\frac{1}{20}$ SPA $\frac{1}{10}$
- "NO DIVING"
- "WARNING: NO LIFEGUARD ON DUTY" THE SIGN ALSO SHALL STATE IN LETTERS AT LEAST 1 INCH HIGH "CHILDREN SHOULD NOT USE POOL WITHOUT A ADULT SUPERVISION".
- AN ILLUSTRATED DIAGRAM OF ARTIFICIAL RESPIRATION AND CPR PROCEDURES IN 1/4 INCH HIGH LETTERING.
- "DIAL 911 FOR EMERGENCIES". THE POOL FACILITY NAME AND ADDRESS. THE NEAREST EMERGENCY SERVICE PHONE NUMBER.
- "KEEP CLOSED" OR "KEEP GATE CLOSED"
- "PERSONS HAVING CURRENTLY ACTIVE DIARRHEA OR WHO HAVE HAD ACTIVE DIARRHEA WITHIN 14 DAYS SHALL NOT BE ALLOWED TO ENTER THE POOL WATER" IN LETTERS AT LEAST 1 INCH.

ADDITIONAL REQUIREMENT FOR SPA SIGNAGE

- "EMERGENCY SHUT-OFF SWITCH" IN 1 INCH HIGH.
- "CAUTION" SIGN. THIS SIGN IS FOLLOWED BY THE FOLLOWING IN 1 INCH HIGH LETTERING:
 - a. ELDERLY PERSONS, PREGNANT WOMEN, INFANTS AND THOSE WITH HEALTH CONDITIONS REQUIRING MEDICAL CARE SHOULD CONSULT WITH A PHYSICIAN BEFORE ENTERING THE SPA.
 - b. CHILDREN SHOULD NOT USE SPA WITHOUT ADULT SUPERVISION.
 - c. HOT WATER IMMERSION WHILE UNDER THE INFLUENCE OF ALCOHOL, NARCOTICS, DRUGS, OR MEDICINES MAY LEAD TO SERIOUS CONSEQUENCES AND IS NOT RECOMMENDED.
 - d. DO NOT USE ALONE.
 - e. LONG EXPOSURE MAY RESULT IN HYPERTHERMIA, NAUSEA, DIZZINESS OR FAINTING.

HAZARDOUS MATERIALS SIGNAGE



* ALL SIGNAGE AND PLACARDING DETAILS SHALL BE IN ACCORDANCE WITH NFPA 704

MAINTENANCE NOTE.

- PROVIDE VACUUM HEADS AND VACUUM HOSE.
- CYANURIC ACID, FREE CHLORINE, AND PH TEST KIT.
- THERMOMETER

POOL LIFT AND ACCESSIBLE NOTES

POOL LIFT SHALL COMPLY WITH ALL OF THE CRITERIA OUTLINES IN CBC 2022 SECTION 11B-1009.2

1009.2.1 POOL LIFT SHALL BE LOCATED WHERE THE WATER LEVEL IS 36 INCHES MINIMUM AND 48 INCHES MAXIMUM.

EXCEPTIONS:

1. WHERE THE ENTIRE POOL DEPTH IS LESS THAN 36 INCHES OR GREATER THAN 48 INCHES, COMPLIANCE WITH SECTION 11B-1009.2.1 SHALL NOT BE REQUIRED
2. WHERE MULTIPLE POOL LIFT LOCATIONS ARE PROVIDED, NO MORE THAN ONE POOL LIFT SHALL BE REQUIRED TO BE LOCATED IN AN AREA WHERE THE WATER LEVEL IS 48 INCHES MAXIMUM.

1009.2.2 IN THE RAISED POSITION, THE CENTERLINE OF THE SEAT SHALL BE LOCATED OVER THE DECK AND 16 INCHES MINIMUM FROM THE EDGE OF THE POOL. THE DECK SURFACE BETWEEN THE CENTERLINE OF THE SEAT AND THE POOL EDGE SHALL HAVE A SLOPE NOT STEEPER THAN 1:48.

1009.2.3 ON THE SIDE OF THE SEAT OPPOSITE THE WATER, A CLEAR DECK SPACE SHALL BE 36 INCHES WIDE MINIMUM AND SHALL EXTEND FORWARD 48 INCHES MINIMUM FROM A LINE LOCATED 12 INCHES BEHIND THE REAR EDGE OF THE SEAT. THE CLEAR DECK SPACE SHALL HAVE A SLOPE NOT STEEPER THAN 1:48.

1009.2.4 THE SEAT SHALL BE RIGID AND SHALL HAVE A BACK SUPPORT THAT IS AT LEAST 12 INCHES TALL. THE HEIGHT OF THE LIFT SEAT SHALL BE DESIGNED TO ALLOW A STOP AT 17 INCHES MINIMUM TO 19 INCHES MAXIMUM MEASURED FROM THE DECK TO THE TOP OF THE SEAT SURFACE WHEN IN THE RAISED (LOAD) POSITION. THE SEAT SHALL HAVE A RESTRAINT FOR THE USE OF THE OCCUPANT WITH OPERABLE PARTS COMPLYING WITH SECTION 11B-309.

1009.2.5 THE SEAT SHALL BE 16 INCHES WIDE MINIMUM.

1009.2.6 FOOTRESTS SHALL BE PROVIDED AND SHALL MOVE WITH THE SEAT. THE SEAT SHALL HAVE TWO ARMRESTS. THE ARMREST POSITIONED OPPOSITE THE WATER SHALL BE REMOVABLE OR SHALL FOLD CLEAR OF THE SEAT WHEN THE SEAT IS IN THE RAISED (LOAD) POSITION.

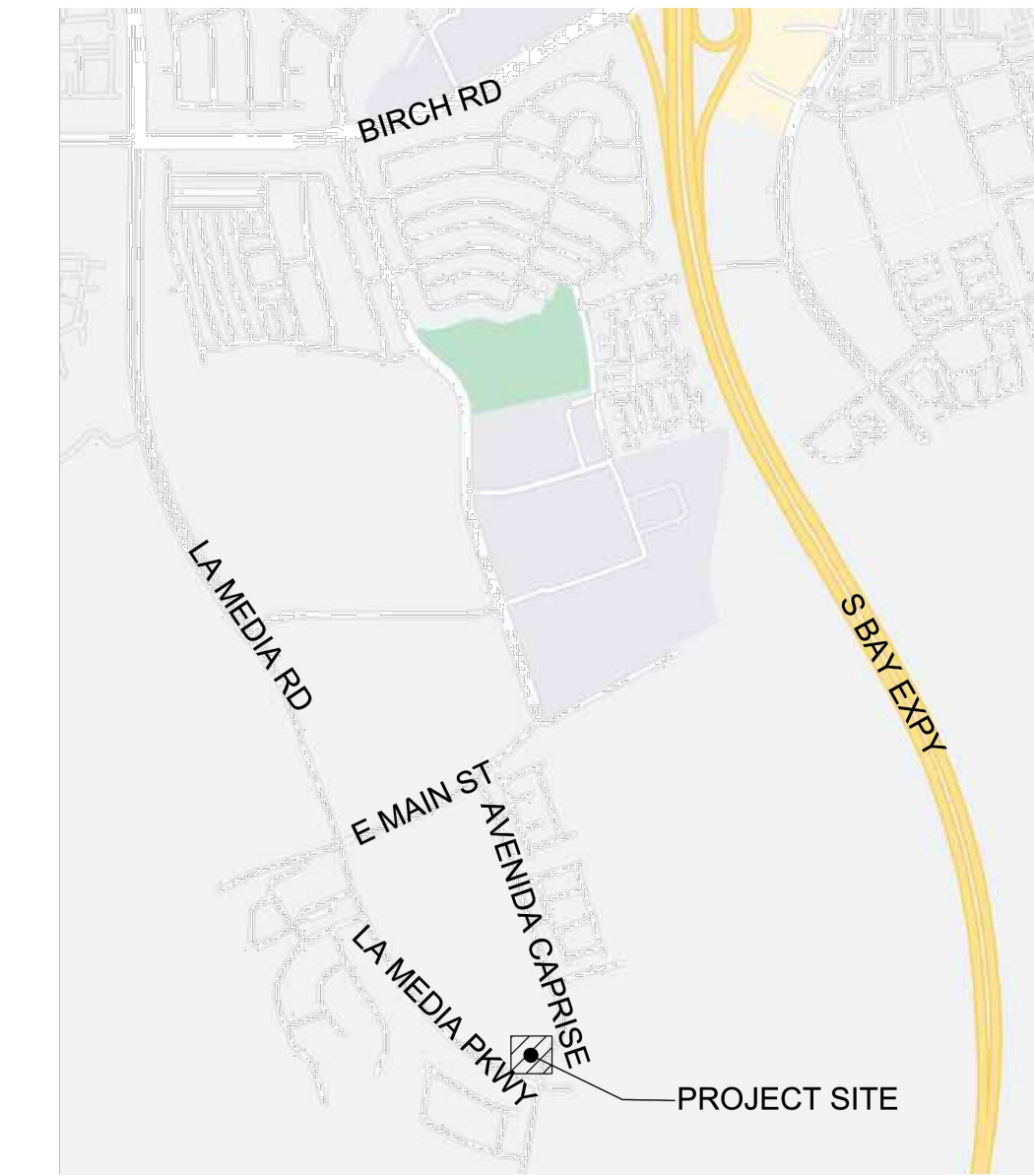
EXCEPTION: FOOTRESTS SHALL NOT BE REQUIRED ON POOL LIFTS PROVIDED IN SPAS.

1009.2.7 THE LIFT SHALL BE CAPABLE OF UNASSISTED OPERATION FROM BOTH THE DECK AND WATER LEVELS. CONTROLS AND OPERATING MECHANISMS SHALL BE UNOBSTRUCTED WHEN THE LIFT IS IN USE AND SHALL COMPLY WITH SECTION 11B-309.4. THE LIFT SHALL BE STABLE AND NOT PERMIT UNINTENDED MOVEMENT WHEN A PERSON IS GETTING INTO OR OUT OF THE SEAT.

1009.2.8 THE LIFT SHALL BE DESIGNED SO THAT THE SEAT WILL SUBMERGE TO A WATER DEPTH OF 18 INCHES MINIMUM BELOW THE STATIONARY WATER LEVEL.

1009.2.9 SINGLE PERSON POOL LIFTS SHALL HAVE A WEIGHT CAPACITY OF 300 POUNDS MINIMUM AND BE CAPABLE OF SUSTAINING A STATIC LOAD OF AT LEAST ONE AND A HALF TIMES THE RATED LOAD.

VICINITY MAP



ABBREVIATION

- AF - AUTOFILL
- AL - ADA LIFT SLEEVE
- DM - DEPTH MARKER
- FI - FLOOR INLET
- FL - FLOATING LANE
- GR - GRAB RAIL
- HR - HAND RAIL
- MD - MAIN DRAIN
- RA - ROPE ANCHOR
- SK - SKIMMER
- UL - UNDERWATER LIGHT
- WI - WALL INLET

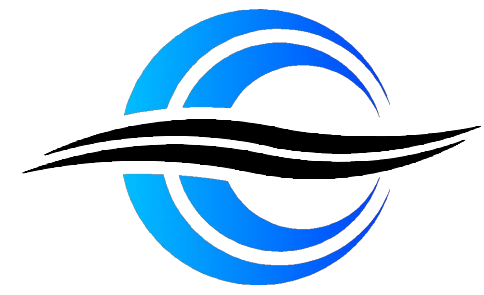
SCOPE OF WORK:

*POOL, SPA AND WADING POOL AND POOL/SPA AND WADING POOL EQUIPMENT ONLY

*ALL OTHER ITEMS ARE SHOWN FOR REFERENCE ONLY UNDER SEPARATE PERMIT, BY OTHERS

SHEET INDEX

| | |
|---------|--|
| SP-001 | COVER SHEET, NOTES & VICINITY MAP |
| SP-101 | PLOT PLAN |
| SP-102 | GROUNDING PLAN |
| SP-103 | GROUNDING PLAN, EQUIPOTENTIAL BONDING NOTES AND DETAIL |
| SP-201 | POOL PLAN VIEW AND PLUMBING LAYOUT |
| SP-202 | POOL DIMENSION PLAN |
| SP-203 | POOL SECTION VIEWS |
| SP-204 | WADING POOL PLAN VIEW, PLUMBING LAYOUT AND SECTION VIEWS |
| SP-301 | SPA PLAN VIEW, PLUMBING LAYOUT, BOOSTER JET LAYOUT & SECTION VIEWS |
| SP-401 | POOL, SPA & WADING POOL DETAILS |
| SP-402 | POOL, SPA & WADING POOL DETAILS |
| SP-501 | EQUIPMENT ROOM LAYOUT, LIST & SCHEMATIC DIAGRAMS |
| SP-502 | EQUIPMENT LIST & SCHEMATIC DIAGRAMS |
| SP-601 | PRODUCT SPECIFICATION CUT SHEETS |
| SP-602 | PRODUCT SPECIFICATION CUT SHEETS |
| SP-603 | PRODUCT SPECIFICATION CUT SHEETS |
| SP-604 | PRODUCT SPECIFICATION CUT SHEETS |
| SP-701 | CHEMICAL REGULATION |
| SP-702 | CHEMICAL REGULATION |
| SPS-100 | POOL AND WADING POOL LAYOUT, SECTION, GENERAL NOTES AND DETAIL |
| SPS-101 | SPA LAYOUT, SECTION AND DETAILS |



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COTA VERA SWIM CLUB
 2168 AVENIDA CAPRISE
 CHULA VISTA, CA 91913

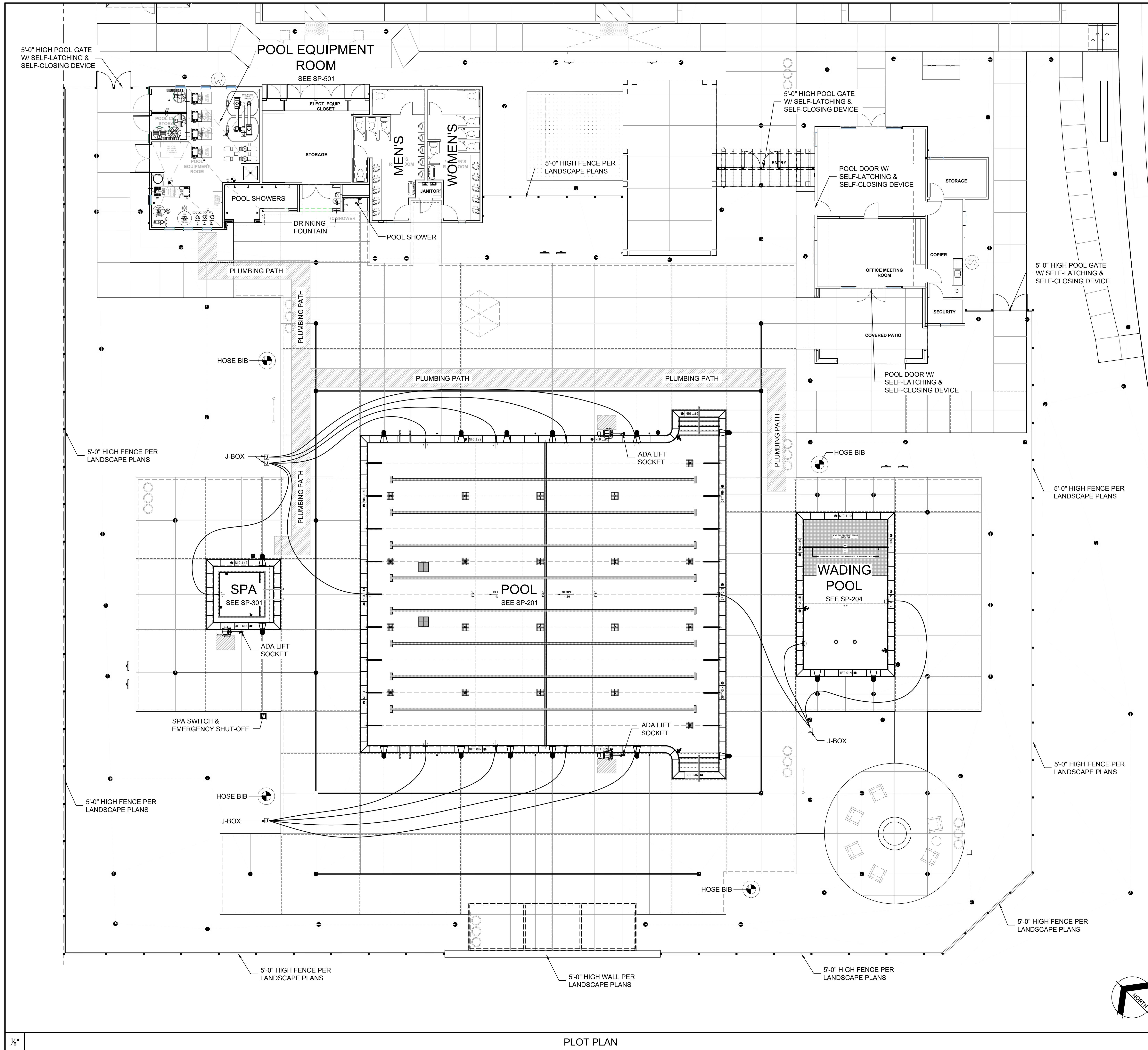
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HOMIEFF CORPORATION
 1903 WRIGHT PLACE, SUITE 220
 CARLSBAD, CA 92008
 PHONE:
 FAX:

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| Project Number: | 22-564 |
| Date: | 03/16/23 |
| Sheet Title: | |

COVER SHEET, NOTES & VICINITY MAP

SP-001



LEGEND

| | |
|--|--|
| | STAINLESS STEEL HANDRAIL |
| | STAINLESS STEEL GRAB RAIL |
| | VGB COMPLIANT ANTI-VORTEX MAIN DRAIN COVER |
| | SKIMMER |
| | UNDERWATER LIGHT |
| | DEPTH MARKER |
| | AUTOFILL HOUSING |
| | WALL RETURN |
| | ADA LIFT & ANCHOR |
| | JUNCTION BOX |
| | SPA SWITCH & EMERGENCY SHUT-OFF |
| | HOSE BIB |
| | PLUMBING PATH |
| | FLOOR INLET |

TILE NOTES:

- CONTRASTING TILE ON STEPS AND BENCHES IS REQUIRED. INSTALLATION OF TRIM TILE IS LIMITED TO THE EDGES OF STEPS. SPA BENCHES ON HORIZONTAL SURFACES. SURFACES MUST BE SLIP-RESISTANT, CONTRASTING COLOR, AND NO MORE THAN 4 INCHES WIDE. SLIP-RESISTANT IS CONSIDERED A WET COEFFICIENT OF FRICTION OF 0.6 OR GREATER.
- 6" CERAMIC GLOSSY/SMOOTH/CONTRASTING COLOR TILES ARE REQUIRED AROUND THE ENTIRE WATERLINE PERIMETER FOR ALL TYPES OF POOLS INCLUDING FIBERGLASS POOLS AND SPAS.

NOTES:

- ALL FENCING OVER PLANTER AREA SHALL BE CONSTRUCTED OVER 6" CONCRETE MOW CURB.
- DECK SLOPE OF 1% AND MAX DECK SLOPE OF 2% AWAY FROM POOL/SPA TO DRAINAGE.
- A POOL SHALL BE WHITE IN COLOR WITH NO LETTERS, MARKINGS OR DESIGNS EXCEPT FOR SAFETY MARKINGS.



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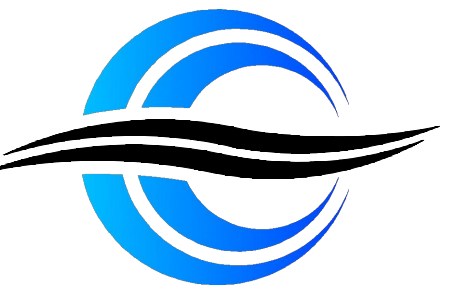
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| Date: | 03/16/23 |
| Sheet Title: | |

PLOT PLAN

1/8"

PLOT PLAN

SP-101

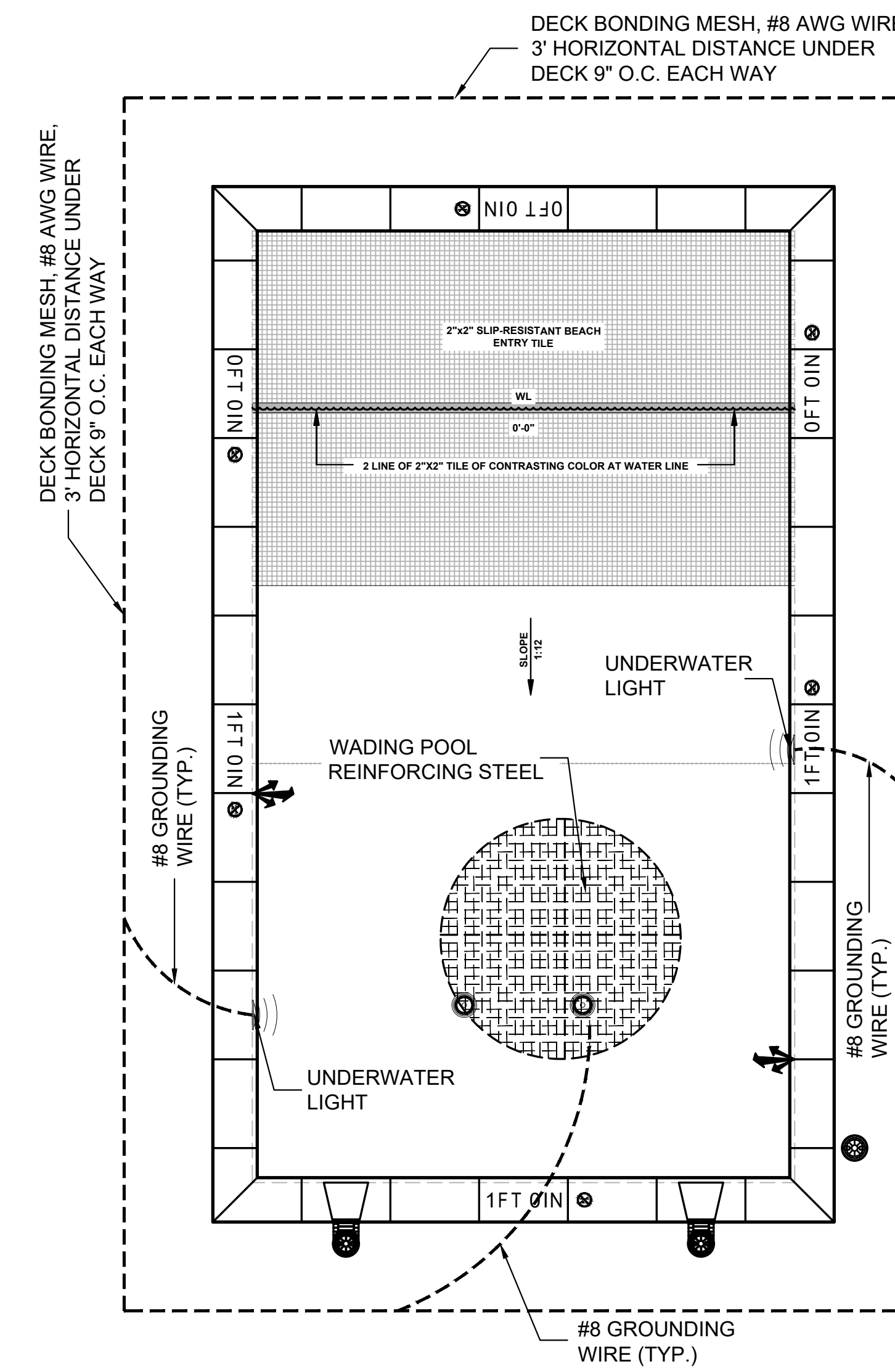
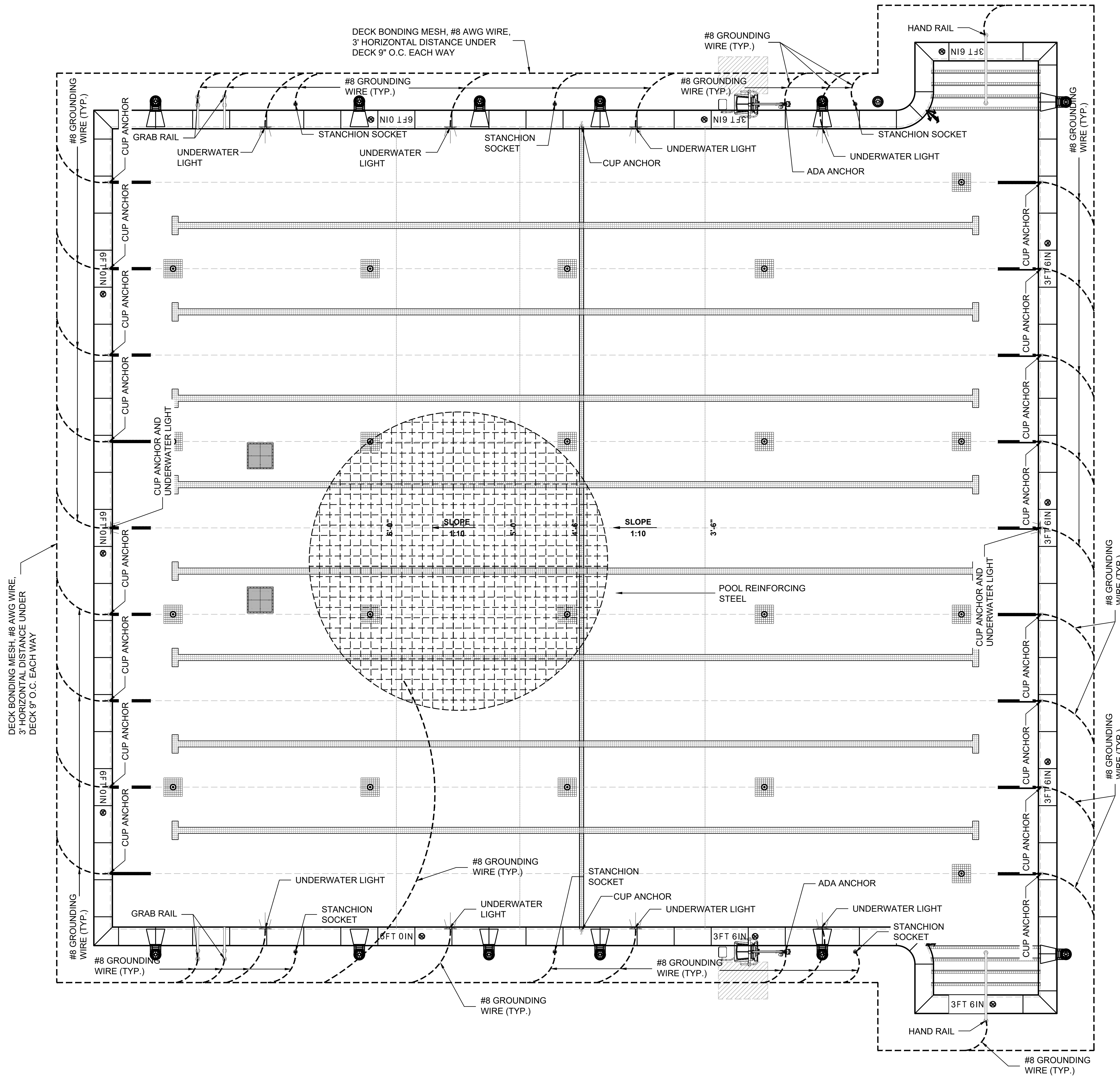


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LICENSE # 744177 C53 A & B
EXPIRES: 12-31-2023
DBH
SIGNATURE DATE



| LEGEND | |
|--------|--|
| | STAINLESS STEEL HANDRAIL |
| | STAINLESS STEEL GRAB RAIL |
| | VGB COMPLIANT ANTI-VORTEX MAIN DRAIN COVER |
| | SKIMMER |
| | UNDERWATER LIGHT |
| | DEPTH MARKER |
| | AUTOFILL HOUSING |
| | WALL RETURN |
| | ADA LIFT & ANCHOR |
| | FLOOR INLET |

PROJECT NAME:
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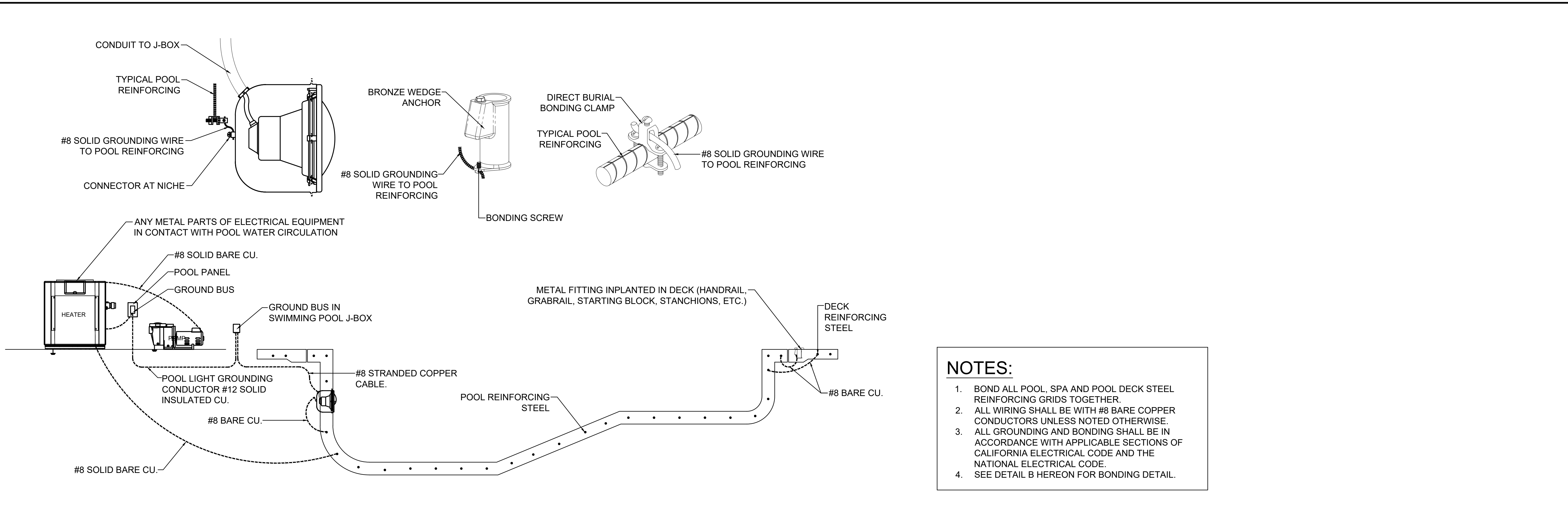
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GROUNDING PLAN

SP-102

B 1/4"

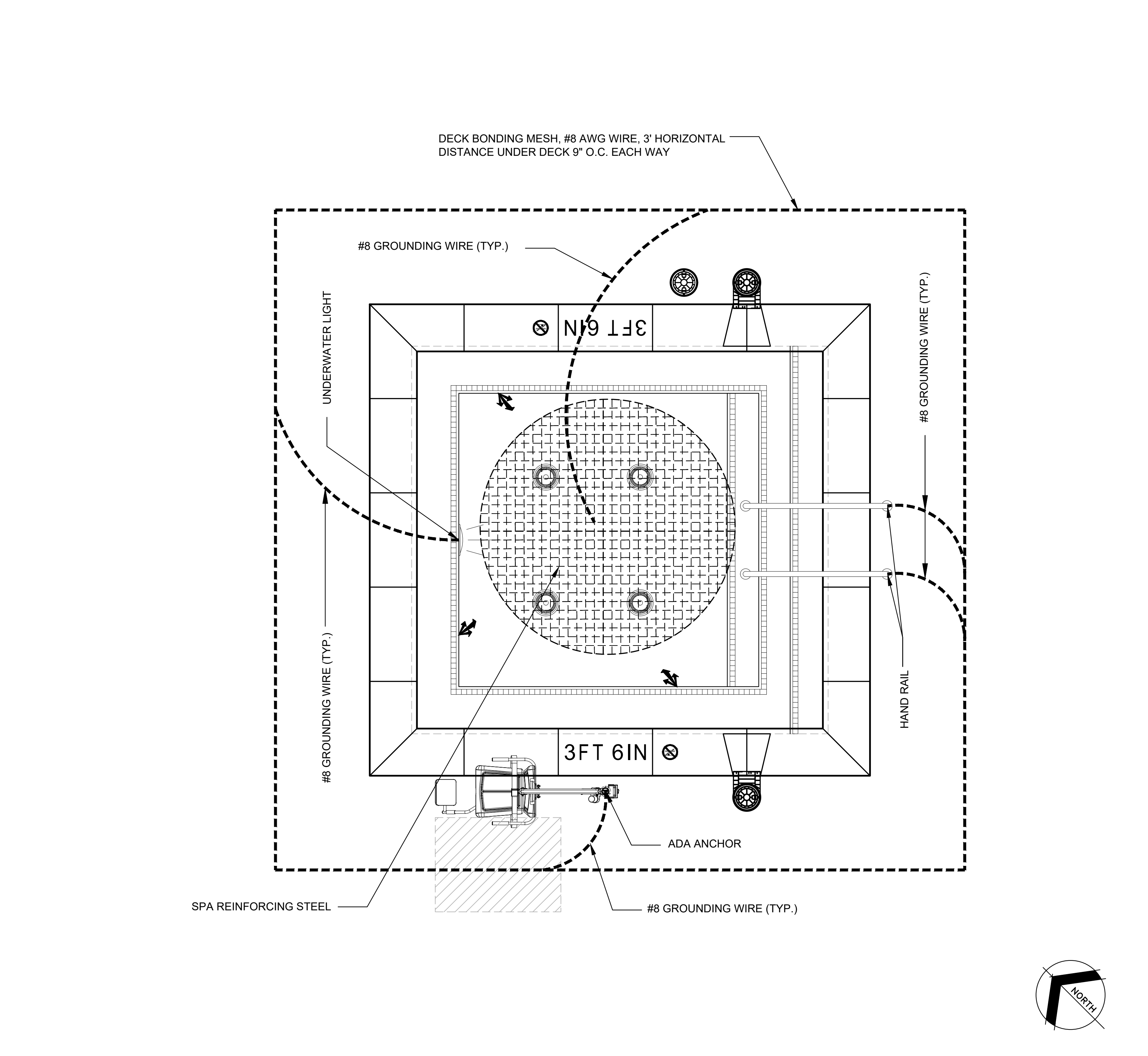
GROUNDING PLOT PLAN



| LEGEND | |
|--------|--|
| | STAINLESS STEEL HANDRAIL |
| | STAINLESS STEEL GRAB RAIL |
| | VGB COMPLIANT ANTI-VORTEX MAIN DRAIN COVER |
| | SKIMMER |
| | UNDERWATER LIGHT |
| | DEPTH MARKER |
| | AUTOFILL HOUSING |
| | WALL RETURN |
| | ADA LIFT & ANCHOR |

- NOTES:**
1. BOND ALL POOL, SPA AND POOL DECK STEEL REINFORCING GRIDS TOGETHER.
 2. ALL WIRING SHALL BE WITH #8 BARE COPPER CONDUCTORS UNLESS NOTED OTHERWISE.
 3. ALL GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF CALIFORNIA ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CODE.
 4. SEE DETAIL B HEREON FOR BONDING DETAIL.

A 1/2" BONDING DETAIL



C NTS NOT USED

B 1/2" GROUNDING PLOT PLAN

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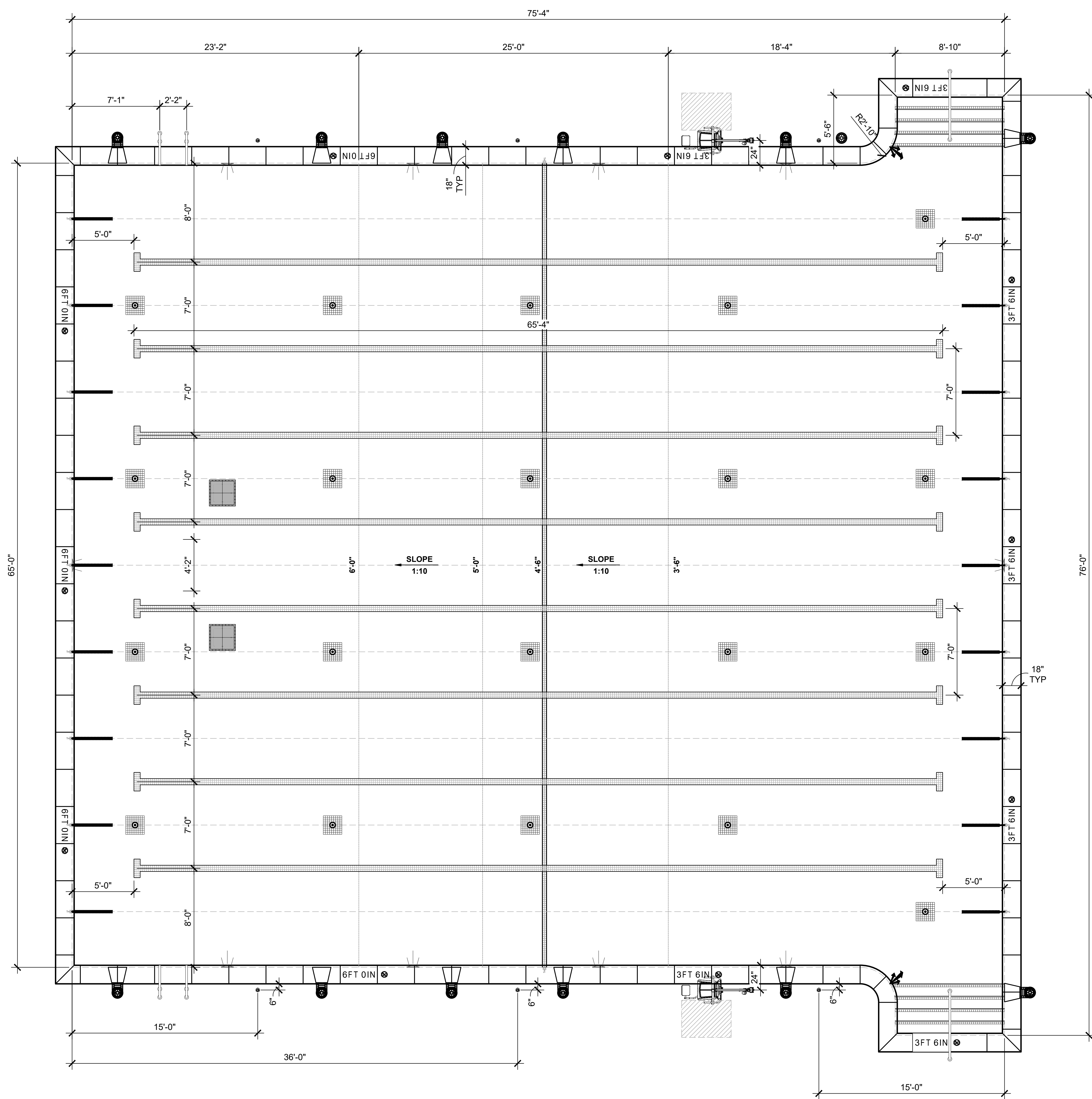
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**GROUNDING PLAN,
 EQUIPOTENTIAL
 BONDING NOTES AND
 DETAIL**



| LEGEND | |
|--------|--|
| | STAINLESS STEEL HANDRAIL |
| | STAINLESS STEEL GRAB RAIL |
| | VGB COMPLIANT ANTI-VORTEX MAIN DRAIN COVER |
| | SKIMMER |
| | UNDERWATER LIGHT |
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| | WALL RETURN |
| | ADA LIFT & ANCHOR |
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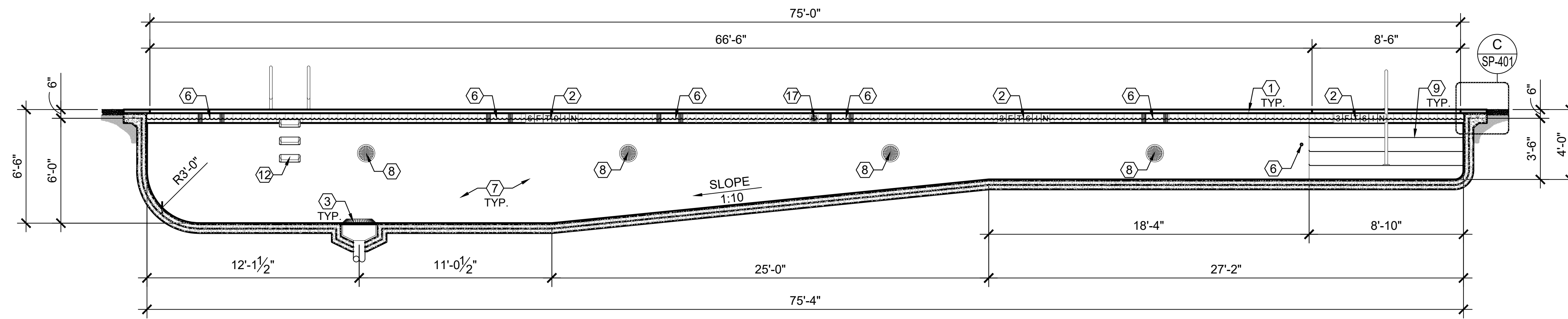
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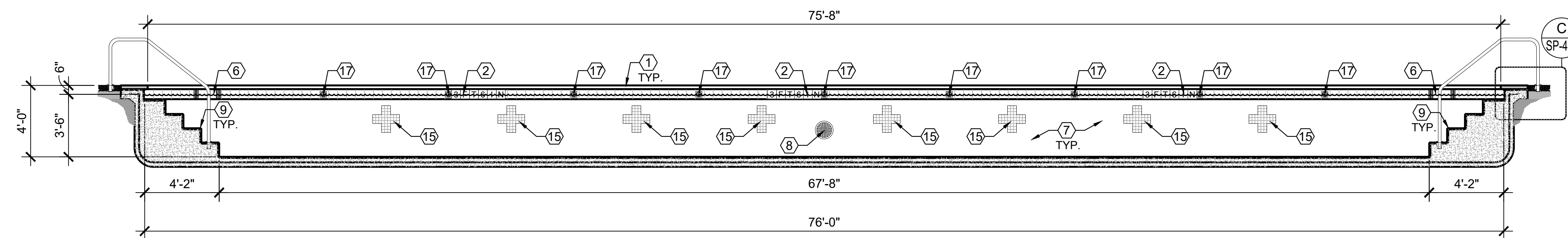
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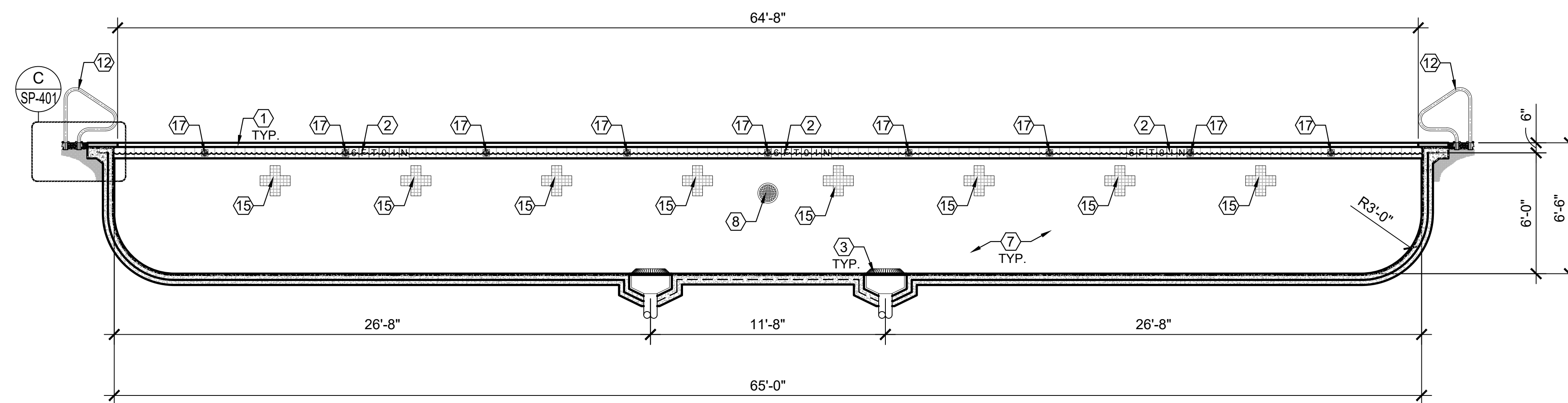
POOL DIMENSION PLAN



A 1/2" POOL LONGITUDINAL SECTION THRU MAIN DRAIN



B 1/2" POOL CROSS SECTION THRU STAIRS



C 1/2" POOL CROSS SECTION THRU MAIN DRAINS

D NTS NOT USED

CONSTRUCTION NOTES

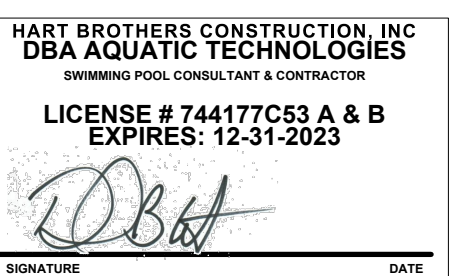
- 1 COPING TO BE 18" PRE-CAST CONCRETE COPING TYPE WITH A FULL EXPANSION JOINT AND PLIABLE MASTIC BETWEEN DECK & POOL BOND BEAM. SEE DETAIL C/SP-401
- 2 DEPTH/DECK MARKERS TO BE CONTRASTING COLOR ON ALL POOL WALLS AT 25'-0" MAX. SPACING, WITH SLIP-RESISTANT SANDBLASTED MARKERS IN COPING. SEE DETAIL K/SP-401 FOR DECK MARKERS. SEE DETAIL G/SP-401 FOR DEPTH (WALL) MARKERS
- 3 DRAINS TO BE TAMPERPROOF TYPE, 36" MIN. SEPARATION W/ A HYDROSTATIC DEVICE INSTALLED IF HIGH GROUND WATER IS ENCOUNTERED OR ANTICIPATED. SEE DETAIL D/SP-401
- 4 FILL LINE TO BE 2" MIN. ABOVE WATER LINE AND BELOW RIM. SUPPLY FROM APPROVED SOURCE VIA FEBCO 825-Y RP8FP, AND IN PROTECTED AREA SUCH AS EQUIPMENT ROOM. SEE DETAIL I/SP-401
- 5 WALL INLET W/ ADJUSTABLE EYEBALL INLETS LOCATED 18" BELOW WATERLINE IN POOL. SEE DETAIL F/SP-401
- 6 SKIMMERS TO BE WATERWAYS 540-6300 2". PROVIDE ONE SKIMMER FOR EACH 500 SQ. FT. OF POOL SURFACE AREA OR FRACTION THEREOF. SEE DETAIL E/SP-401
- 7 PLASTER TO BE WHITE AND SMOOTH W/ 6" MIN. CERAMIC TILE BAND AT WATERLINE.
- 8 LIGHTS TO PROVIDE THE EQUIVALENT OF 1/2 WATT PER SQ. FT. OF POOL SURFACE AREA. LIGHTS MUST BE LOCATED WITH WATER DEPTH OVER LENS AT LEAST 18". SEE DETAIL L/SP-401
- 9 POOL STEPS SHALL HAVE THE SAME DIMENSIONS WITH A TREAD NOT LESS THAN 12" IN WIDTH, EXCEPT THE TOP STEP NOT LESS THAN 14" IN WIDTH, IF THE TOP STEP IS CURVED CONVEXLY, THE TOP STEP TREAD SHALL NOT BE LESS THAN 21" IN WIDTH OR GREATER 24" AS MEASURED AT THE POINT OF MAXIMUM CURVATURE. RISERS SHALL BE UNIFORM AND SHALL NOT EXCEED 12" IN HEIGHT. SEE DETAIL A/SP-401
- 10 ADA LIFT SOCKET, SEE DETAIL M/SP-401
- 11 AUTOFILL - LEVOLOR STATIC PIPE HOUSING - COMPUTER CONTROLLED DEVICES THAT DETECT A LOW WATER CONDITION AND AUTOMATICALLY REPLACE THE WATER R TO A PRESET LEVEL. SEE DETAIL J/SP-401
- 12 LADDER / RECESS STEPS W/ 2" STAINLESS GRAB RAILS. RECESSED STEP TREADS TO BE 5" X 14" MIN. W/ MAX. RISE OF 12". IF THE WIDTH OF THE POOL EXCEEDS 30FT. TWO LADDERS SHALL BE PROVIDED, ONE ON EACH SIDE OF THE DEEP END. SEE DETAIL B/SP-401
- 13 FLOOR INLET TO BE INSTALLED IN POOL FLOOR INLETS TO BE A MIN. 10'-0" APART. SEE DETAIL H/SP-402
- 14 RACE LANES - TO BE UNGLAZED, SLIP RESISTANT CERAMIC TILE W/ CONTRASTING COLORS. RACE LANES TO BE 6" IN SQUARE DIAMOND. SEE DETAIL C/SP-402
- 15 RACE TARGET - TO BE UNGLAZED, SLIP RESISTANT CERAMIC TILE W/ CONTRASTING COLORS. SEE DETAIL D/SP-402
- 16 BREAK LINE TO BE CONTRASTING COLOR ON POOL FLOOR AND WALL AT THE 4 1/2 FT. W/CUP ANCHORS AND ROPE FLOATS.
- 17 STAINLESS STEEL CUP ANCHOR FOR SECURING RACING LINES AND IN CONCRETE AND GUNITE POOLS. SEE DETAIL A/SP-604
- 18 8-FOOT STANCHION SOCKET - DESIGNED TO SUPPORT BACKSTROKE LINES, FINISH LINES AND RECALL LINES. SEE DETAIL B/SP-604
- 19 COMPETITOR LANE LINES PATENTED FLOW-THROUGH DESIGN CONTROLS WATER TURBULENCE BY ALLOWING WAVE ENERGY TO BE DISPERSED ALONG THE LENGTH OF THE LANE. SEE DETAIL C/SP-604
- 20 ANTIWAVE LANE LINES DESIGNED TO DEFLECT WAVE MOTIONS DOWNWARD THROUGH HYDRODYNAMIC PROPULSION FOR WAKE FREE COMPETITIVE SWIMMING. DURABLE, INJECTION-MOLDED POLYETHYLENE DISCS WITH BUILT-IN UV AND CHEMICAL RESISTORS. SHIPS ASSEMBLED AND COMPLETE WITH AN "S" HOOK ON ONE END AND A SUPERTENSIONER™ ON THE OTHER. ALL HARDWARE IS MADE OF STAINLESS STEEL AND PLASTIC.

LEGEND

| | |
|--|--|
| | STAINLESS STEEL HANDRAIL |
| | STAINLESS STEEL GRAB RAIL |
| | VGB COMPLIANT ANTI-VORTEX MAIN DRAIN COVER |
| | SKIMMER |
| | UNDERWATER LIGHT |
| | DEPTH MARKER |
| | AUTOFILL HOUSING |
| | WALL RETURN |
| | ADA LIFT & ANCHOR |
| | FLOOR INLET |



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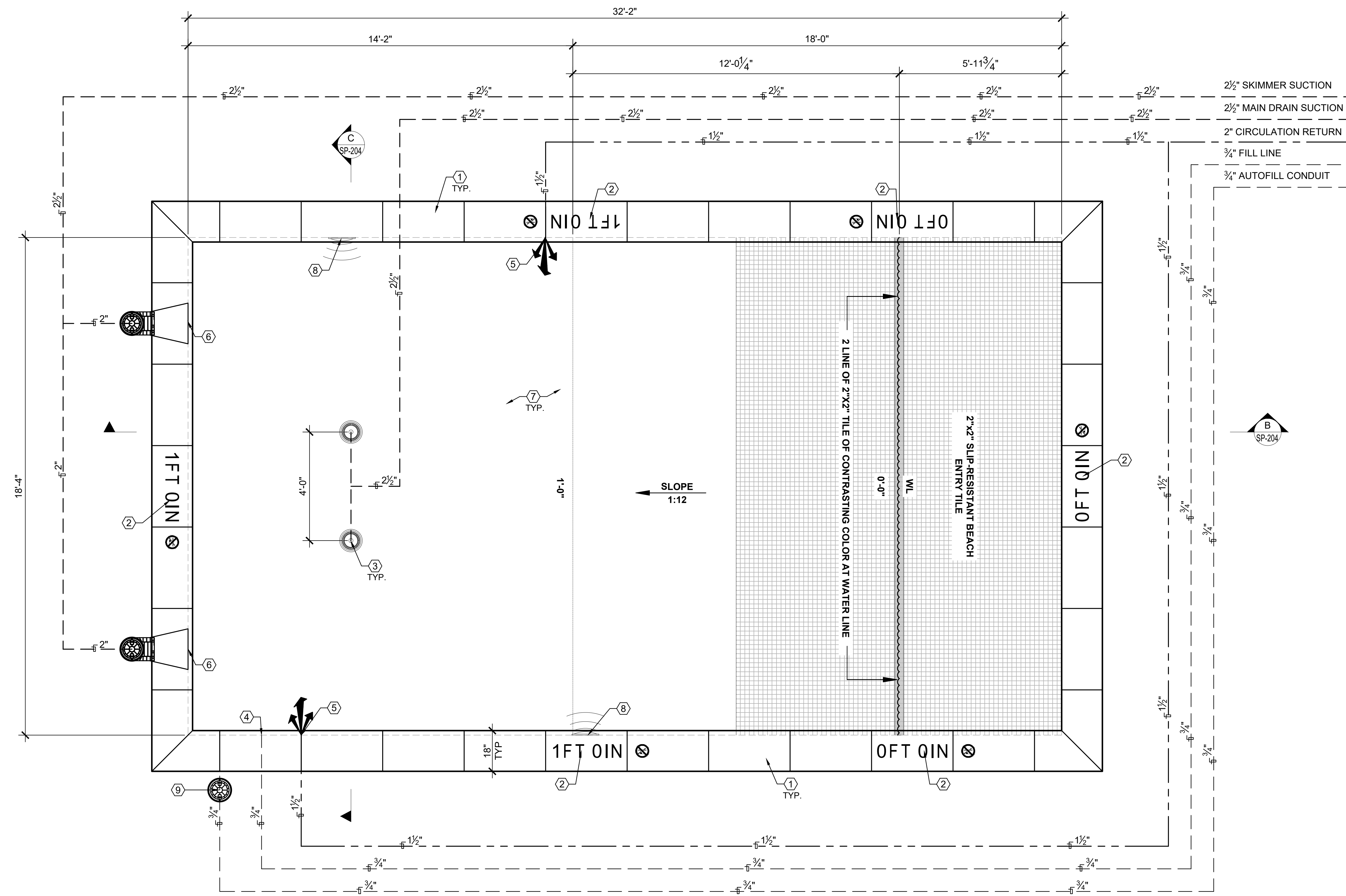
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2168 AVENIDA CAPRISE
CHULA VISTA, CA 91913

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Date: 03/16/23
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POOL SECTION VIEWS



| WADING POOL DATA | |
|------------------|-----------------|
| SIZE | 18'-4" X 32'-2" |
| AREA | 590 SQ. FT. |
| PERIMETER | 101'-0" |
| WATER DEPTH | 1'-0" |
| CAPACITY | 2,768 GALLONS |
| TURNOVER REQ. | 46 GPM |
| OCCUPANT LOAD | 29 |

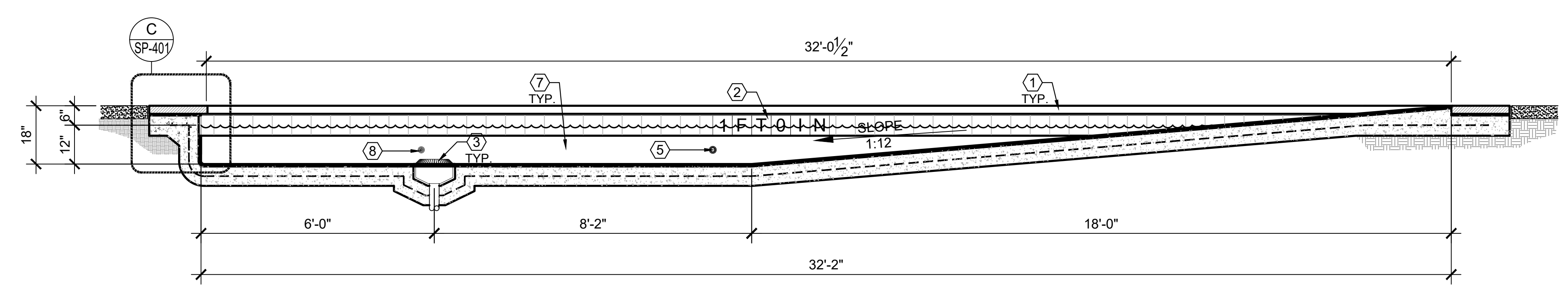
- ### CONSTRUCTION NOTES
- COPING** TO BE 18" PRE-CAST CONCRETE COPING TYPE WITH A FULL EXPANSION JOINT AND PLIABLE MASTIC BETWEEN DECK & POOL BOND BEAM. SEE DETAIL C/SP-401
 - DEPTH/DECK MARKERS** TO BE CONTRASTING COLOR ON ALL POOL WALLS AT 25'-0" MAX. SPACING, WITH SLIP-RESISTANT, SANDBLASTED MARKERS IN COPING. SEE DETAIL G/SP-401 FOR DEPTH (WALL) MARKERS
 - DRAINS** TO BE TAMPERPROOF TYPE, 36" MIN. SEPARATION W/ A HYDROSTATIC DEVICE INSTALLED IF HIGH GROUND WATER IS ENCOUNTERED OR ANTICIPATED. SEE DETAIL D/SP-401
 - FILL LINE** TO BE 2" MIN. ABOVE WATER LINE AND BELOW RIM. SUPPLY FROM APPROVED SOURCE VIA FEBCO 825-Y RPBF, AND IN PROTECTED AREA SUCH AS EQUIPMENT ROOM. SEE DETAIL I/SP-401
 - WALL INLET** W/ ADJUSTABLE EYEBALL INLETS LOCATED 18" BELOW WATERLINE IN POOL. SEE DETAIL F/SP-401
 - SKIMMERS** TO BE WATERWAYS 540-6300 2". PROVIDE ONE SKIMMER FOR EACH 500 SQ. FT. OF POOL SURFACE AREA OR FRACTION THEREOF. SEE DETAIL E/SP-401
 - PLASTER** TO BE WHITE AND SMOOTH W/ 6" MIN. CERAMIC TILE BAND AT WATERLINE.
 - LIGHTS** TO PROVIDE THE EQUIVALENT OF 1/2 WATT PER SQ. FT. OF POOL SURFACE AREA. LIGHTS MUST BE LOCATED WITH WATER DEPTH OVER LENS AT LEAST 18". SEE DETAIL L/SP-401
 - AUTOFILL** - LEVOLOR STATIC PIPE HOUSING - COMPUTER CONTROLLED DEVICES THAT DETECT A LOW WATER CONDITION AND AUTOMATICALLY REPLACE THE WATER R TO A PRESET LEVEL. SEE DETAIL J/SP-401

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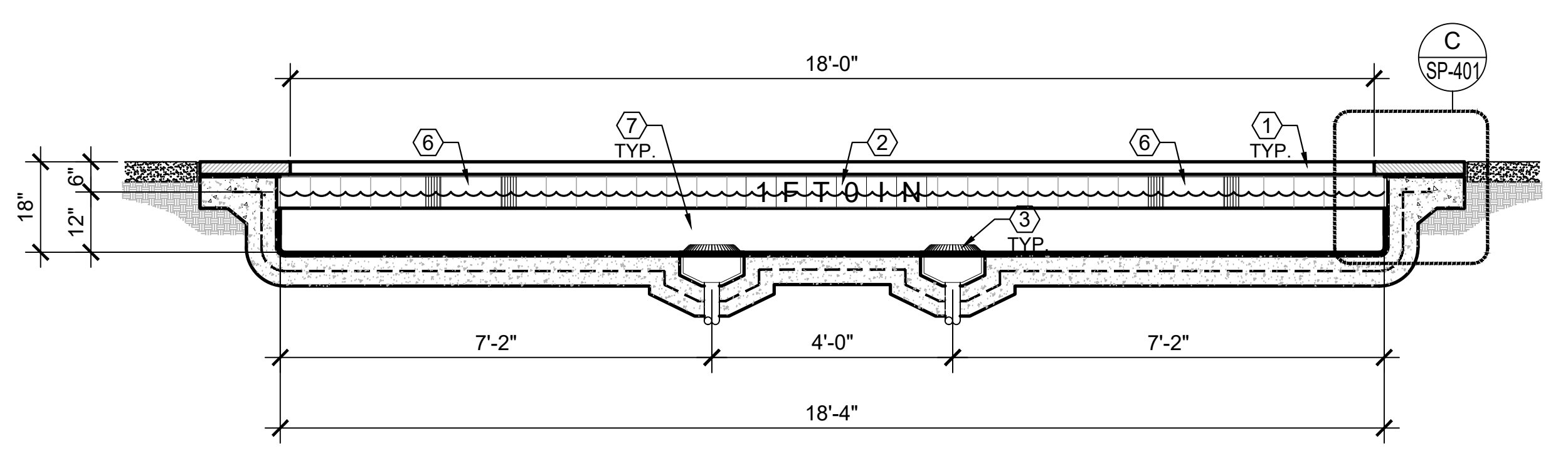
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A 1/2" WADING POOL PLUMBING PLAN



B 1/2" WADING POOL LONGITUDINAL SECTION THRU MAIN DRAIN



C 1/2" WADING POOL CROSS SECTION THRU MAIN DRAIN **D** NTS NOT USED

| LEGEND | |
|--------|--|
| | VGB COMPLIANT ANTI-VORTEX MAIN DRAIN COVER |
| | SKIMMER |
| | UNDERWATER LIGHT |
| | DEPTH MARKER |
| | AUTOFILL HOUSING |
| | WALL RETURN |

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WADING POOL PLAN VIEW, PLUMBING LAYOUT AND SECTION VIEWS

SP-204

| SPA DATA | |
|---------------|-----------------|
| SIZE | 12'-4" X 13'-3" |
| AREA | 164 SQ. FT. |
| PERIMETER | 51'-2" |
| WATER DEPTH | 3'-6" |
| CAPACITY | 3,006 GALLONS |
| TURNOVER REQ. | 100 GPM |
| OCCUPANT LOAD | 16 |

- ### CONSTRUCTION NOTES
- COPING** TO BE 18" PRE-CAST CONCRETE COPING TYPE WITH A FULL EXPANSION JOINT AND PLIABLE MASTIC BETWEEN DECK & POOL BOND BEAM. SEE DETAIL C/SP-401
 - DEPTH/DECK MARKERS** TO BE CONTRASTING COLOR ON ALL POOL WALLS AT 25'-0" MAX. SPACING. WITH SLIP- RESISTANT, SANDBLASTED MARKERS IN COPING. SEE DETAIL K/SP-401 FOR DECK MARKERS SEE DETAIL G/SP-401 FOR DEPTH (WALL) MARKERS
 - DRAINS** TO BE TAMPERPROOF TYPE, 36" MIN. SEPARATION W/ A HYDROSTATIC DEVICE INSTALLED IF HIGH GROUND WATER IS ENCOUNTERED OR ANTICIPATED. SEE DETAIL D/SP-401
 - FILL LINE** TO BE 2" MIN. ABOVE WATER LINE AND BELOW RIM. SUPPLY FROM APPROVED SOURCE VIA FEBCO 825-Y RPBFP. AND IN PROTECTED AREA SUCH AS EQUIPMENT ROOM. SEE DETAIL I/SP-401
 - WALL INLET** W/ ADJUSTABLE EYEBALL INLETS LOCATED 18" BELOW WATERLINE IN POOL. SEE DETAIL F/SP-401
 - SKIMMERS** TO BE WATERWAYS 540-6300 2". PROVIDE ONE SKIMMER FOR EACH 500 SQ. FT. OF POOL SURFACE AREA OR FRACTION THEREOF. SEE DETAIL E/SP-401
 - PLASTER** TO BE WHITE AND SMOOTH W/ 6" MIN. CERAMIC TILE BAND AT WATERLINE.
 - LIGHTS** TO PROVIDE THE EQUIVALENT OF 1/2 WATT PER SQ. FT. OF POOL SURFACE AREA. LIGHTS MUST BE LOCATED WITH WATER DEPTH OVER LENS AT LEAST 18". SEE DETAIL G/SP-402
 - SPA STEPS** SHALL HAVE THE SAME DIMENSIONS WITH A TREAD NOT LESS THAN 12" IN WIDTH, EXCEPT THE TOP STEP NOT LESS THAN 14" IN WIDTH. IF THE TOP STEP IS CURVED CONVEXLY, THE TOP STEP TREAD SHALL NOT BE LESS THAN 21" IN WIDTH OR GREATER 24" AS MEASURED AT THE POINT OF MAXIMUM CURVATURE. RISERS SHALL BE UNIFORM AND SHALL NOT EXCEED 12" IN HEIGHT. SEE DETAIL A/SP-402
 - ADA LIFT SOCKET**, SEE DETAIL M/SP-401
 - AUTOFILL** - LEVOLOR STATIC PIPE HOUSING - COMPUTER CONTROLLED DEVICES THAT DETECT A LOW WATER CONDITION AND AUTOMATICALLY REPLACE THE WATER R TO A PRESET LEVEL. SEE DETAIL J/SP-401

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HART BROTHERS CONSTRUCTION, INC.
 DBA AQUATIC TECHNOLOGIES
 LICENSE # 744177 C53 A & B
 EXPIRES: 12-31-2023


PROJECT NAME:
COTA VERA SWIM CLUB
 2168 AVENIDA CAPRISE
 CHULA VISTA, CA 91913

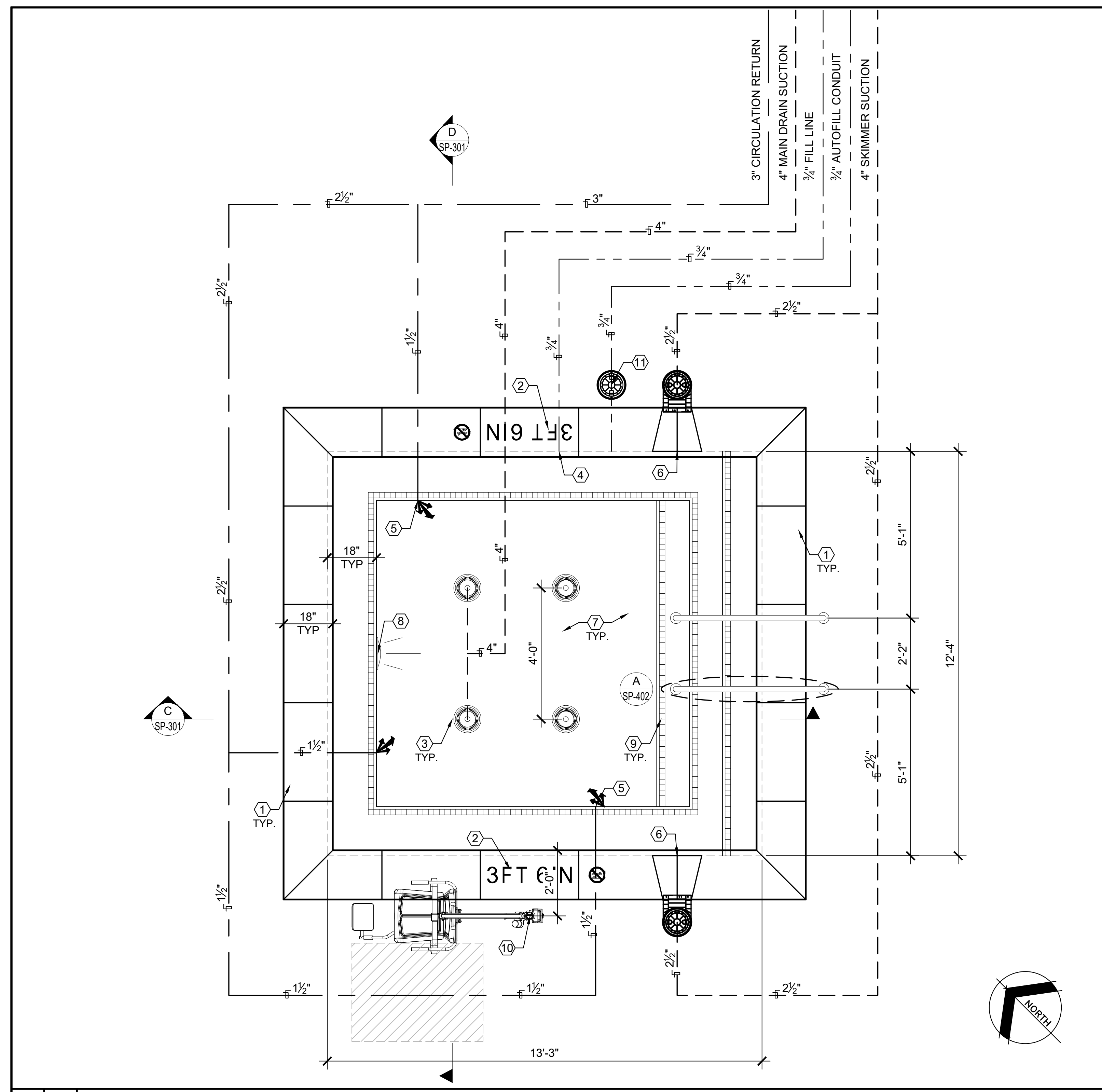
| No. | Date | Revision |
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OWNERS NAME:
HOMIEFED CORPORATION
 1903 WRIGHT PLACE, SUITE 220
 CARLSBAD, CA 92008
 PHONE:
 FAX:

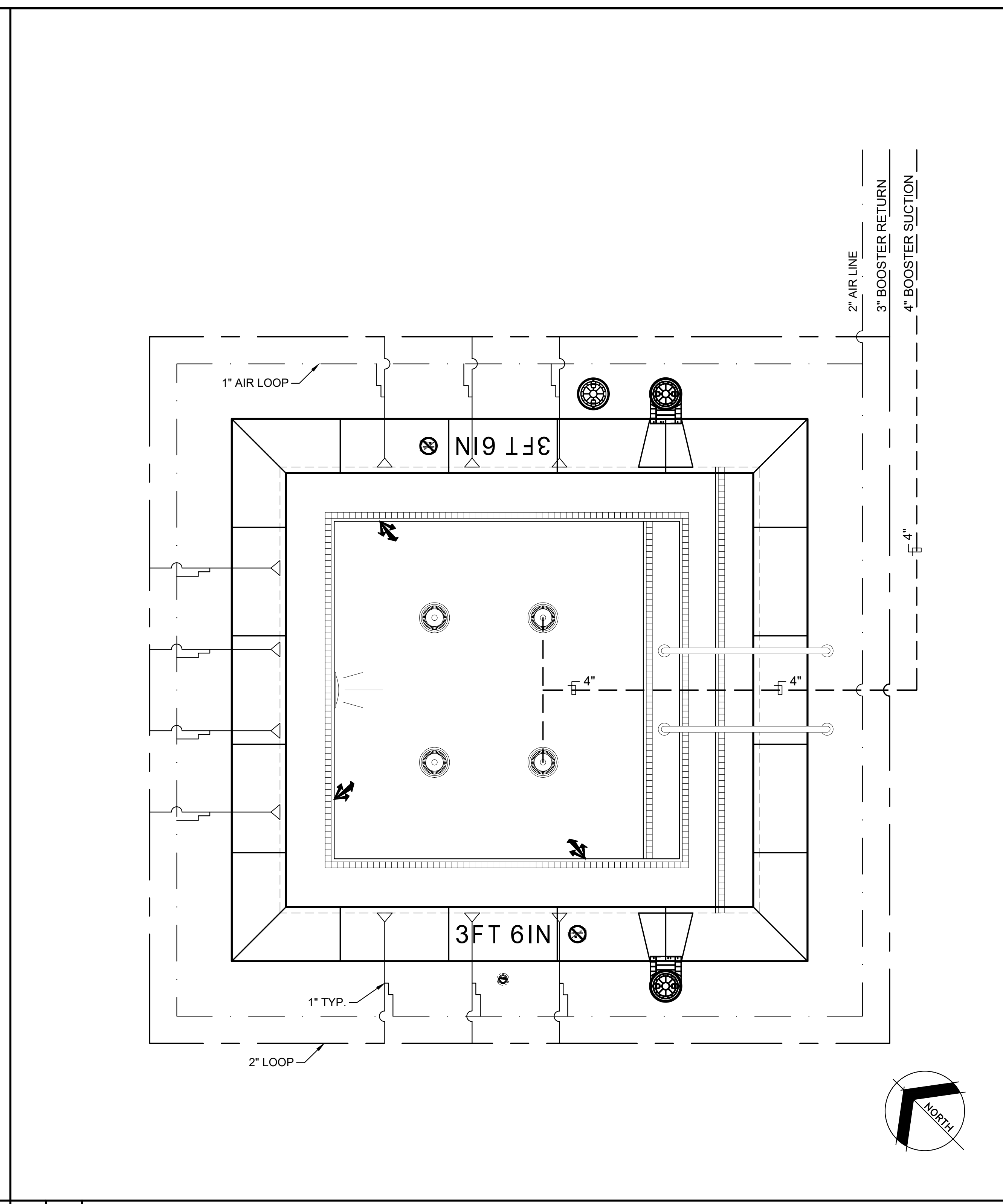
Drawn: SM
 Checked: AT
 Project Number: 22-564
 Date: 03/16/23
 Sheet Title:

SPA PLAN VIEW, PLUMBING LAYOUT, BOOSTER JET LAYOUT & SECTION VIEWS

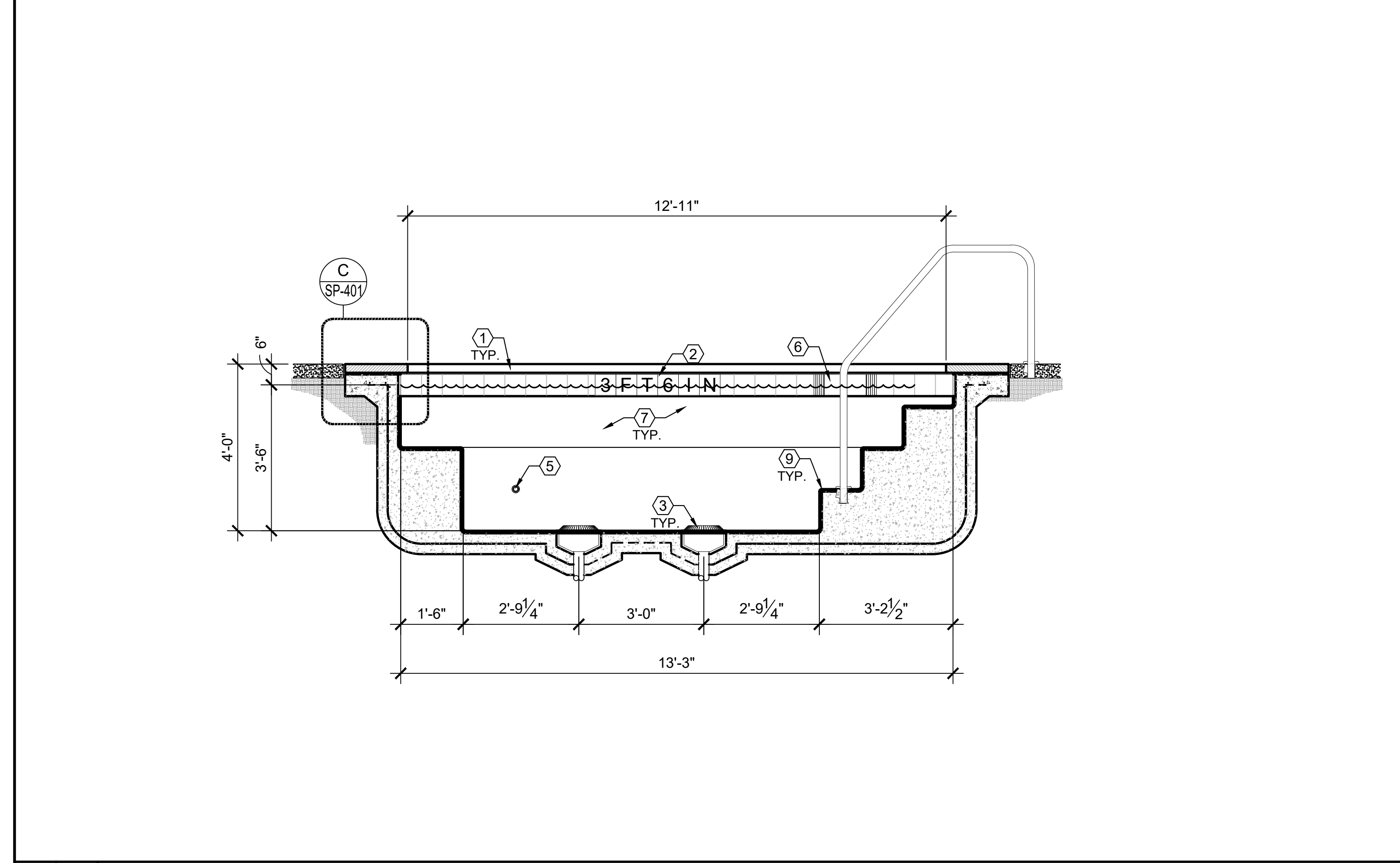
SP-301



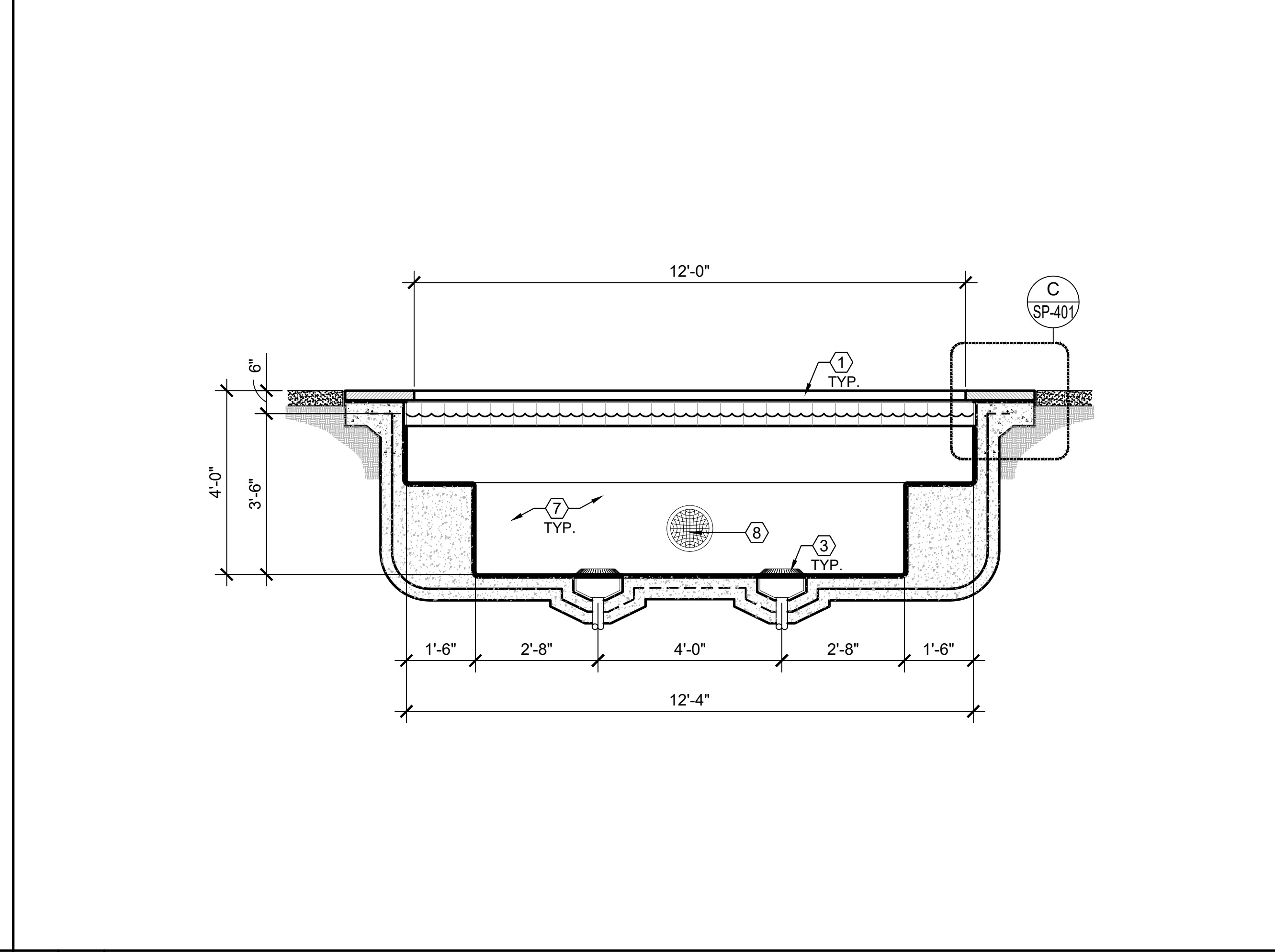
A 1/2" SPA PLUMBING PLAN



B 1/2" SPA BOOSTER JET LAYOUT

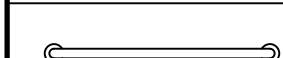

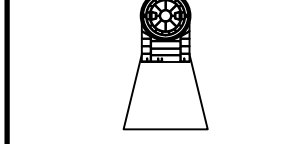

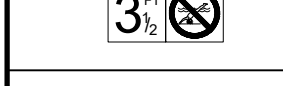


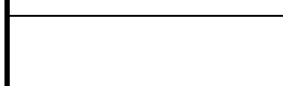


C 1/2" SPA LONGITUDINAL SECTION THRU MAIN DRAIN



D 1/2" SPA CROSS SECTION THRU MAIN DRAIN

LEGEND

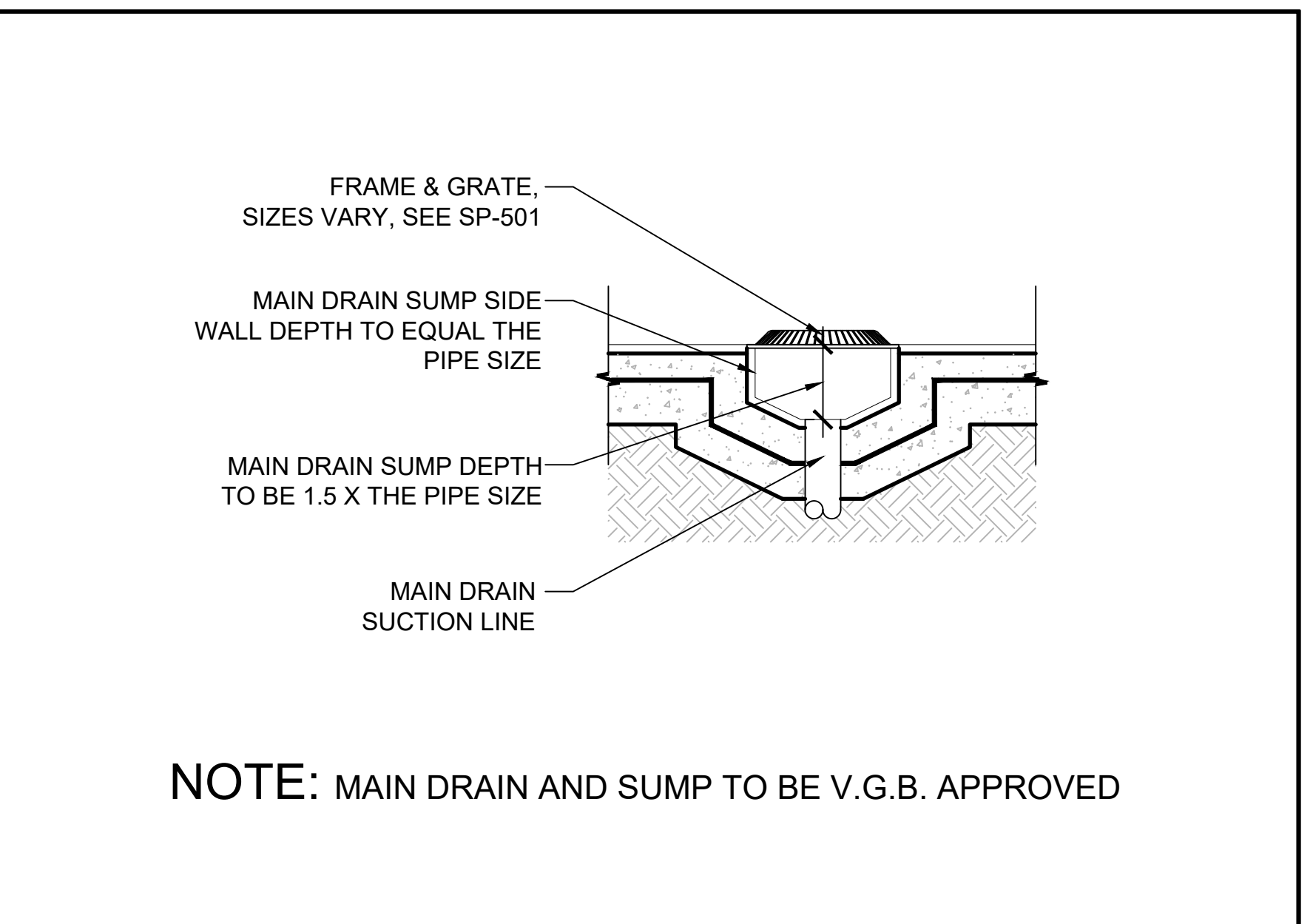
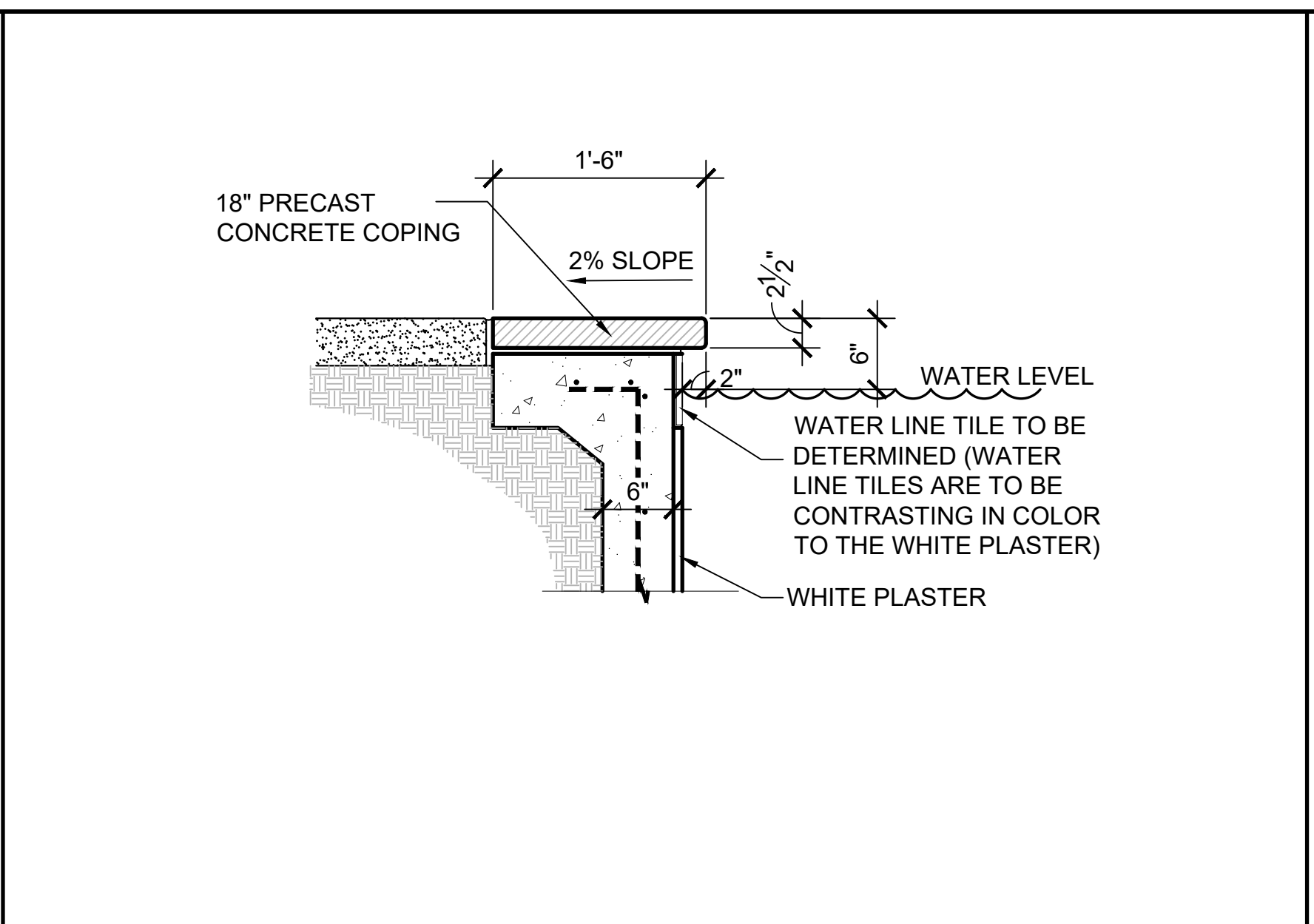
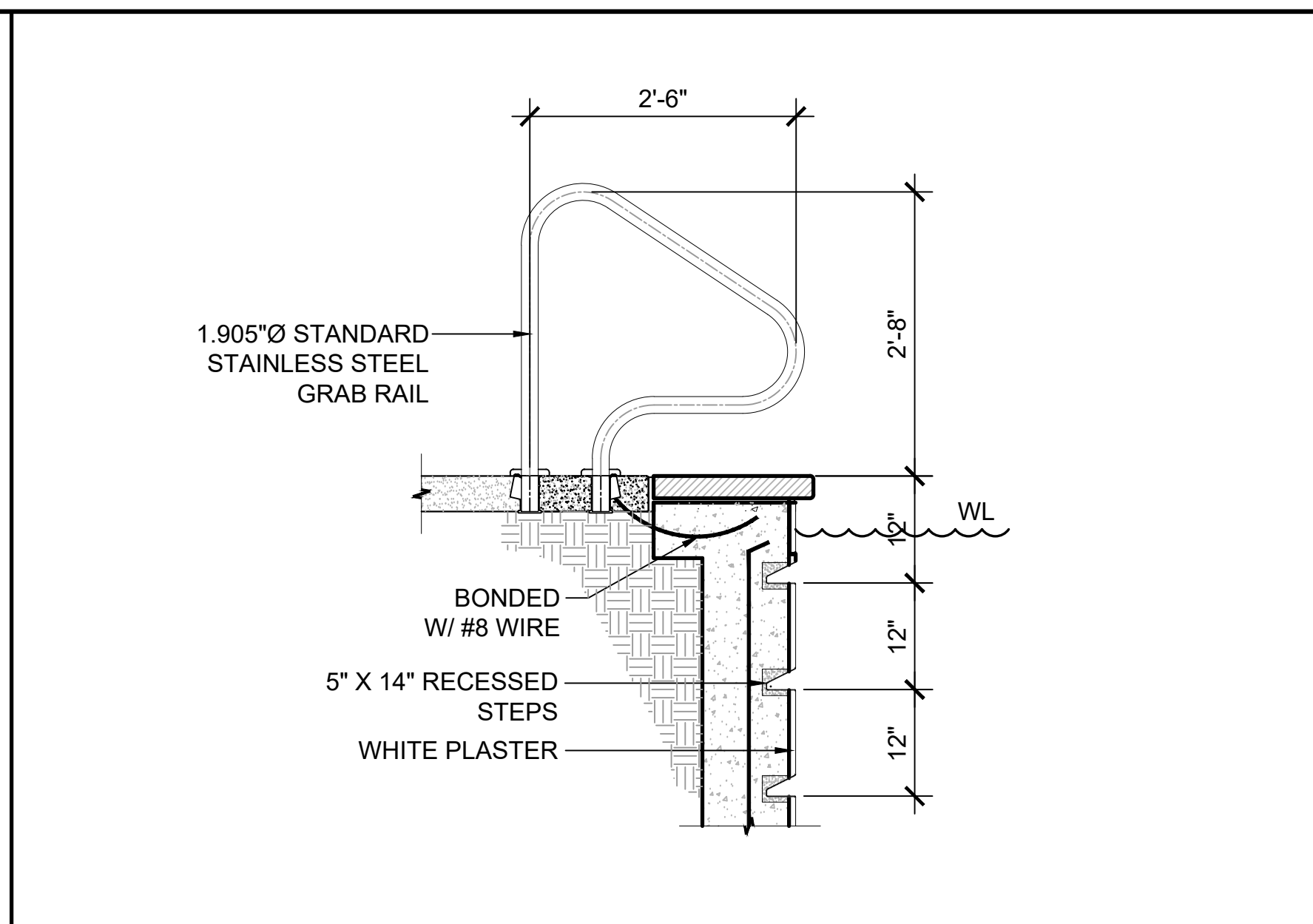
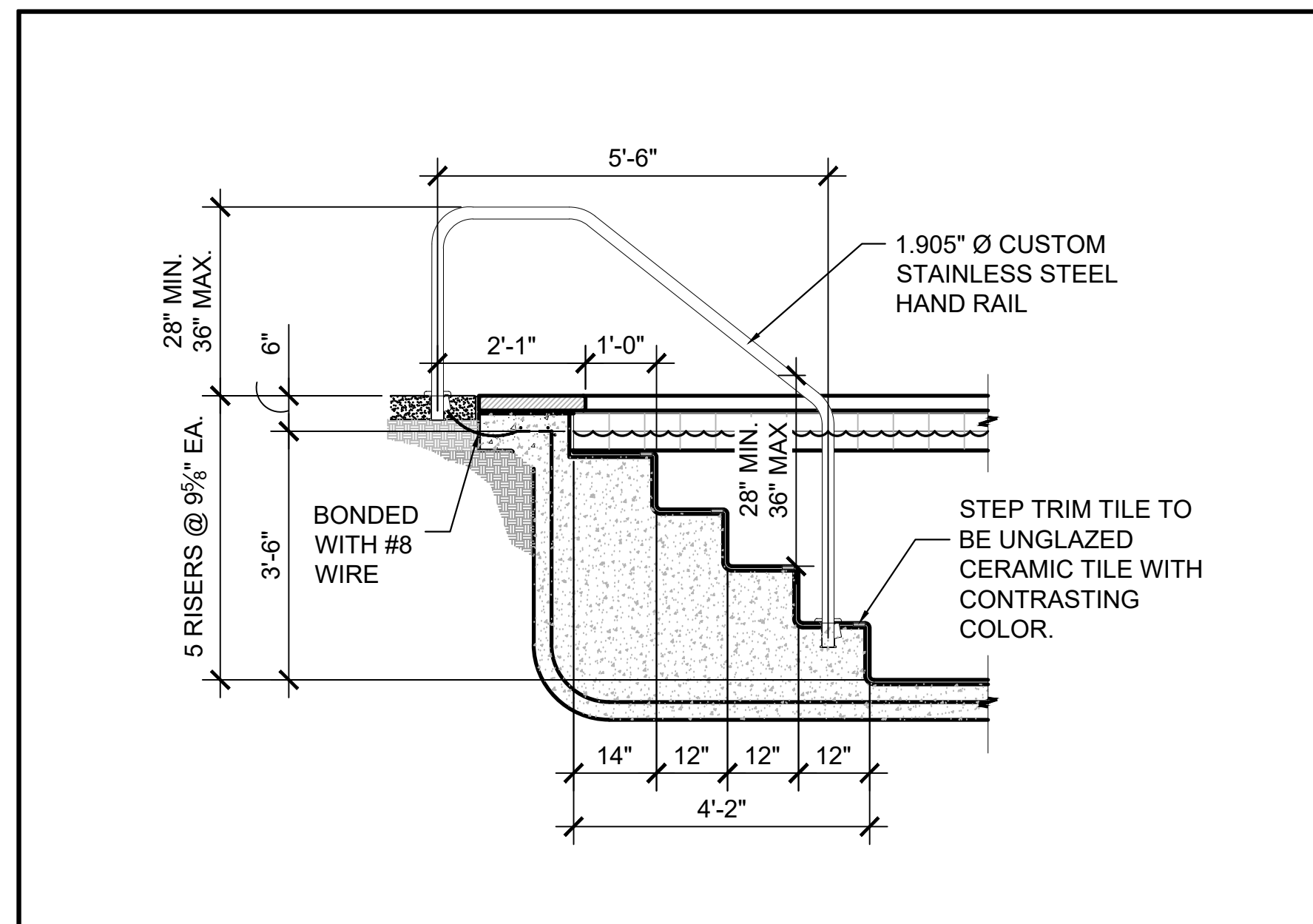
| | |
|---|--|
|  | STAINLESS STEEL HANDRAIL |
|  | VGB COMPLIANT ANTI-VORTEX MAIN DRAIN COVER |
|  | SKIMMER |
|  | UNDERWATER LIGHT |
|  | DEPTH MARKER |
|  | AUTOFILL HOUSING |
|  | WALL RETURN |
|  | ADA LIFT & ANCHOR |



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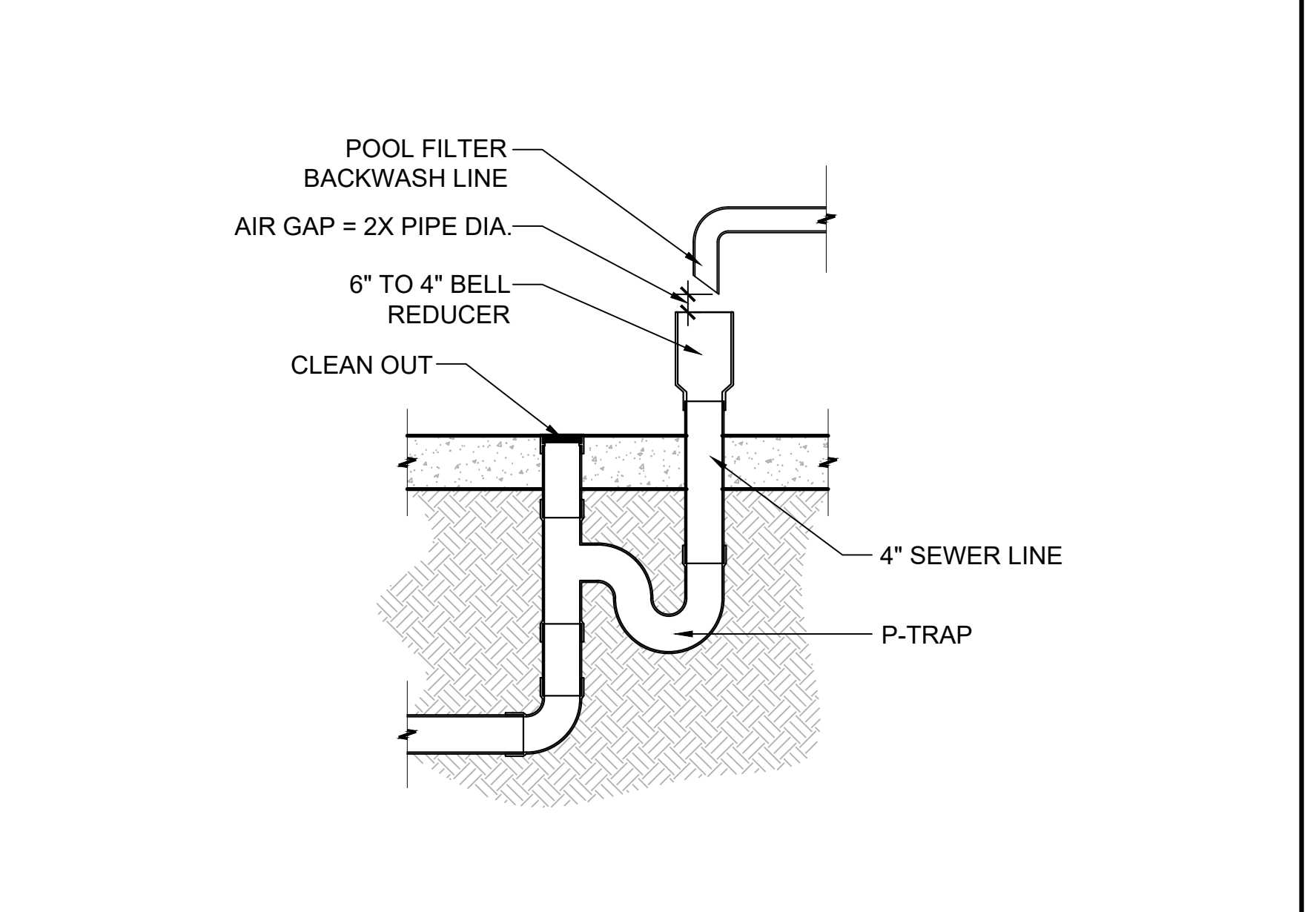
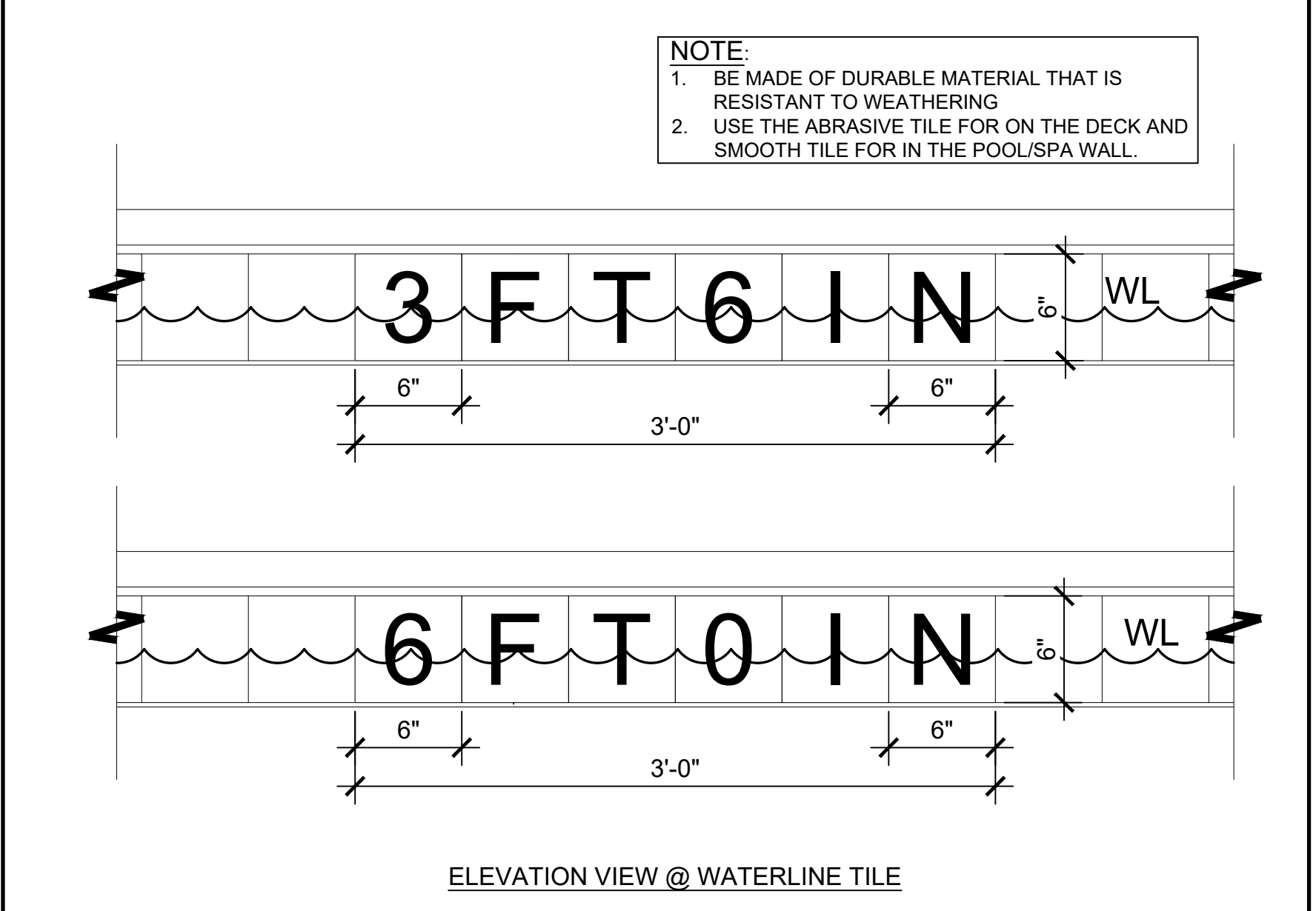
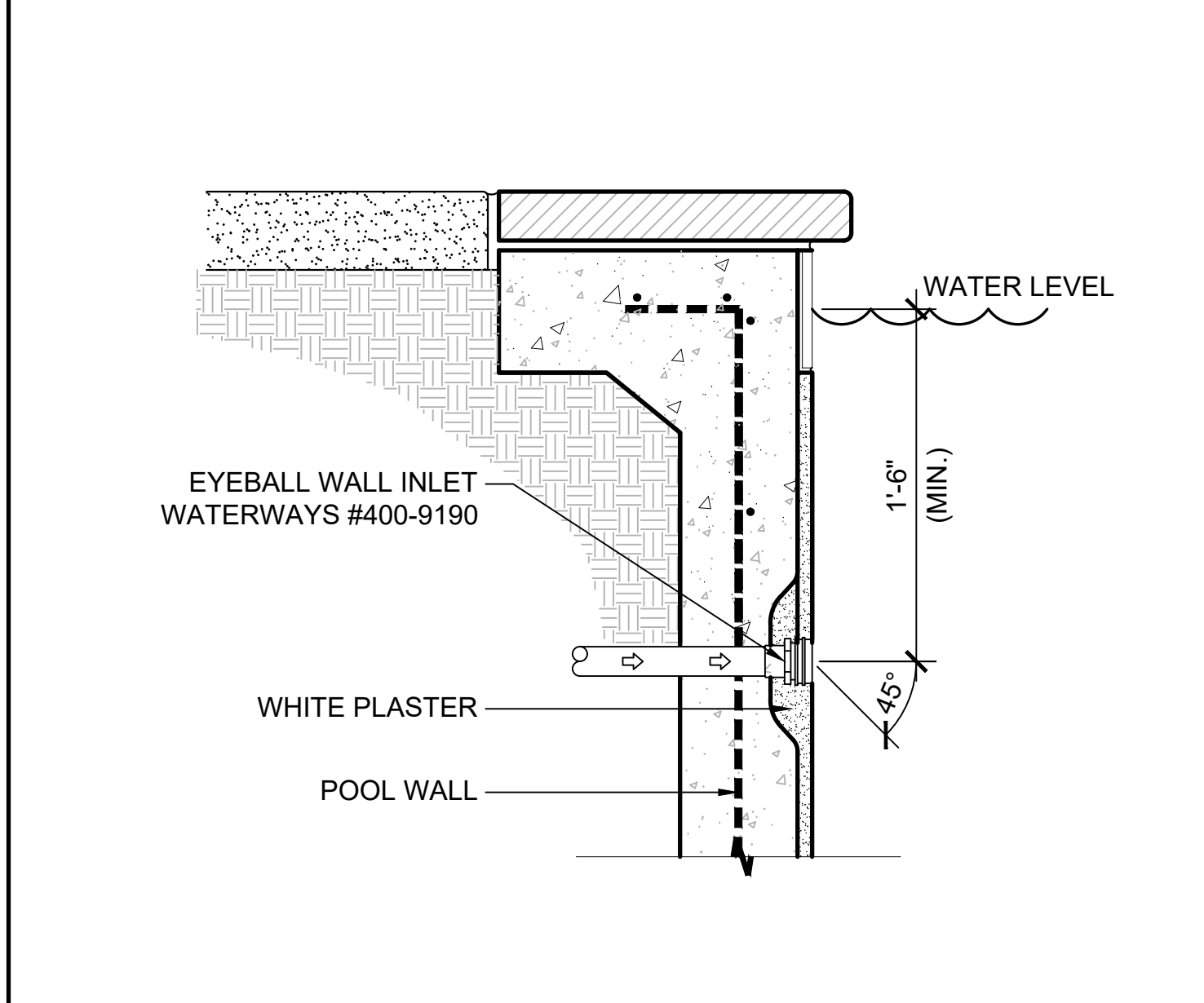
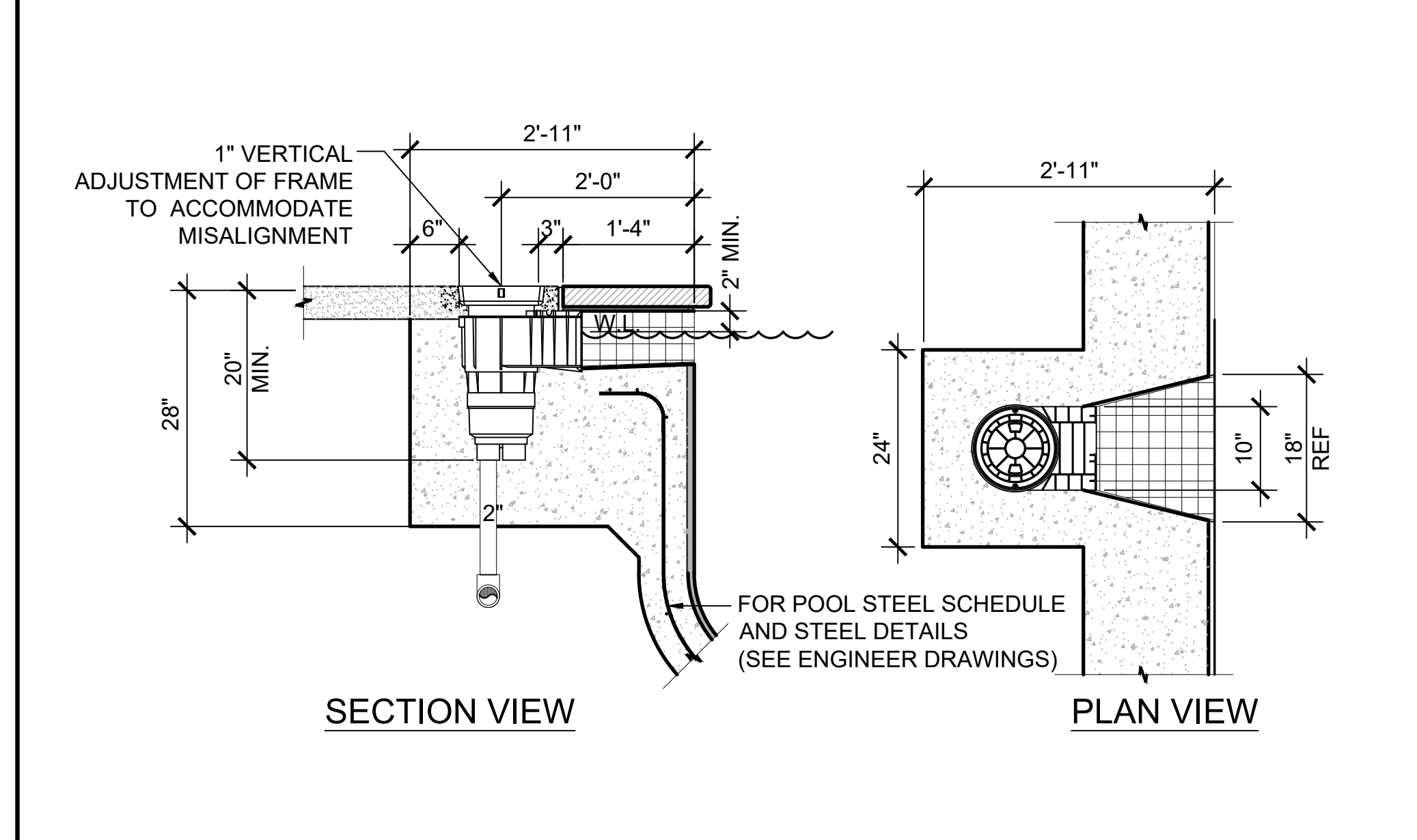


A 1/2" POOL STEP SECTION

B 3/4" POOL GRAB RAIL SECTION

C 1" COPING DETAIL

D 1" MAIN DRAIN DETAIL

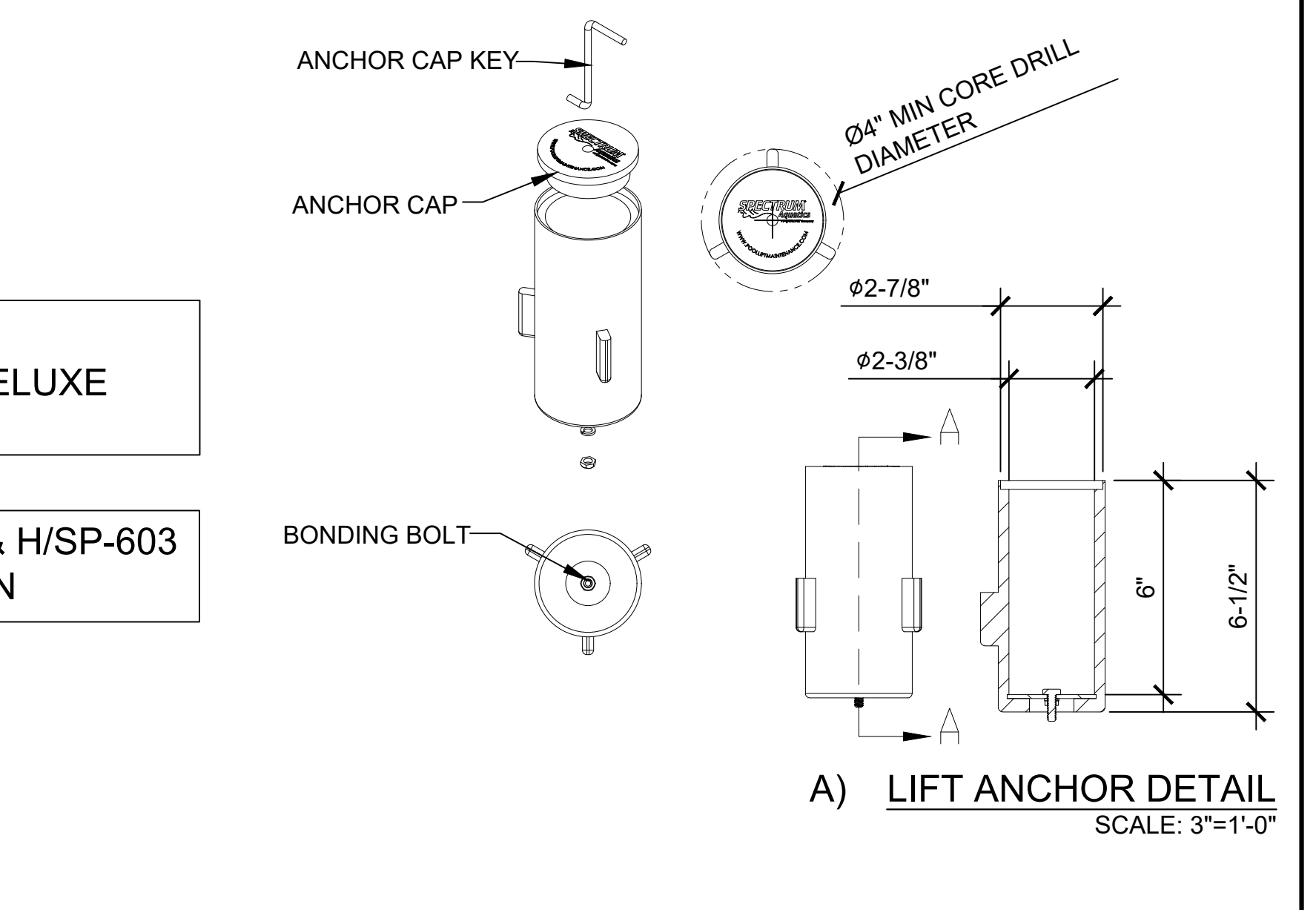
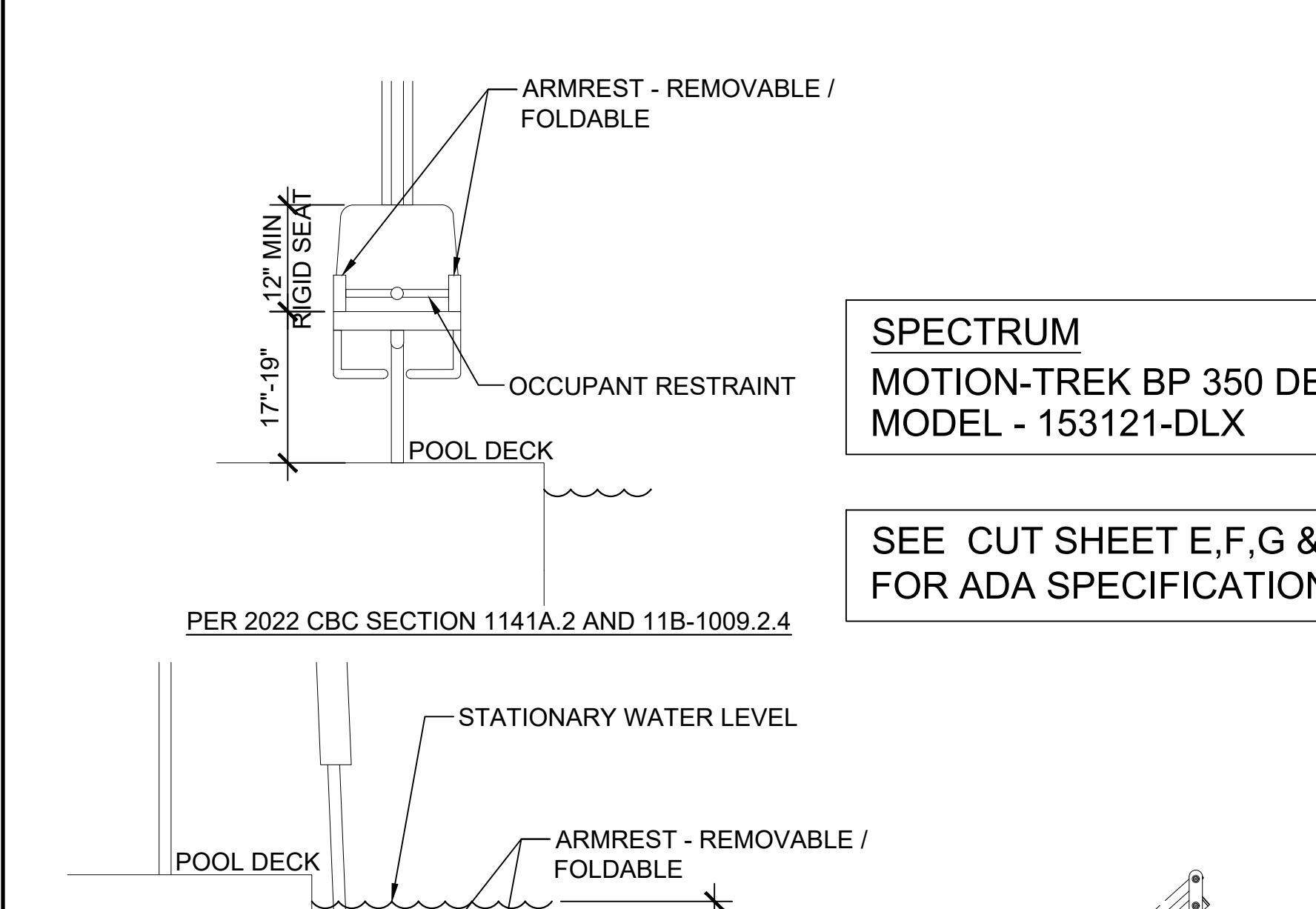
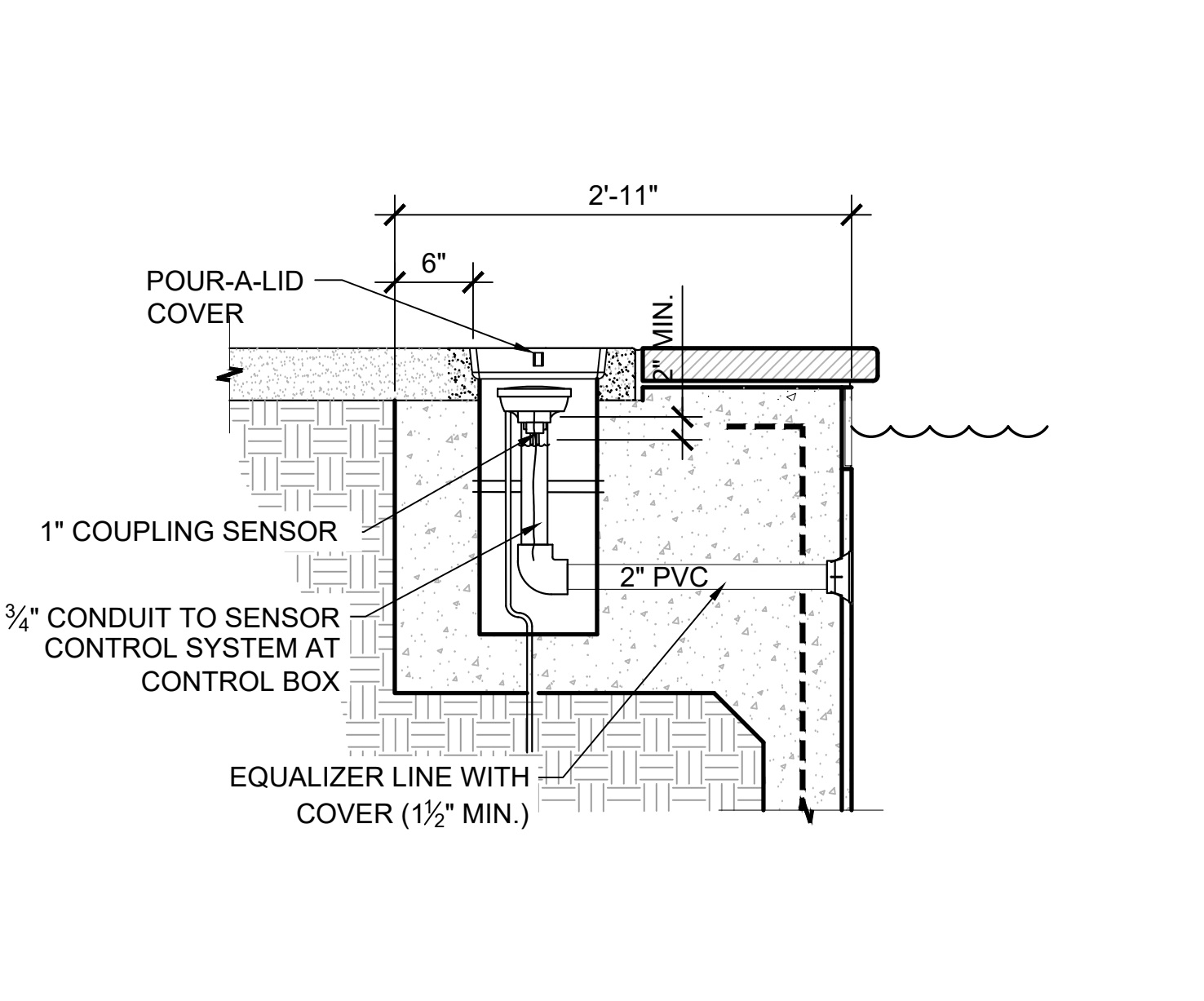
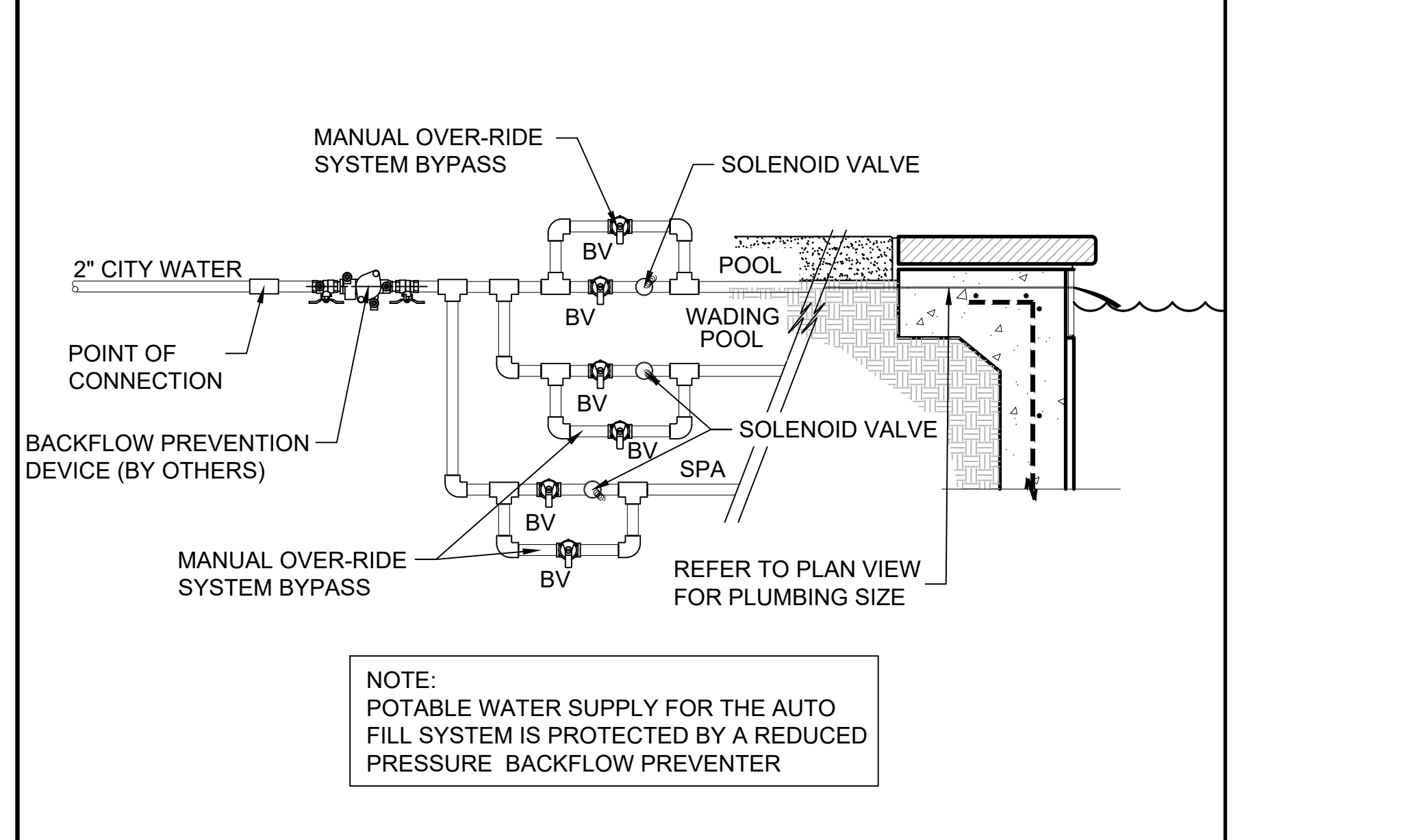


E 3/4" SKIMMER DETAIL

F 1/2" WALL INLET

G 1/2" DEPTH (WALL) MARKERS

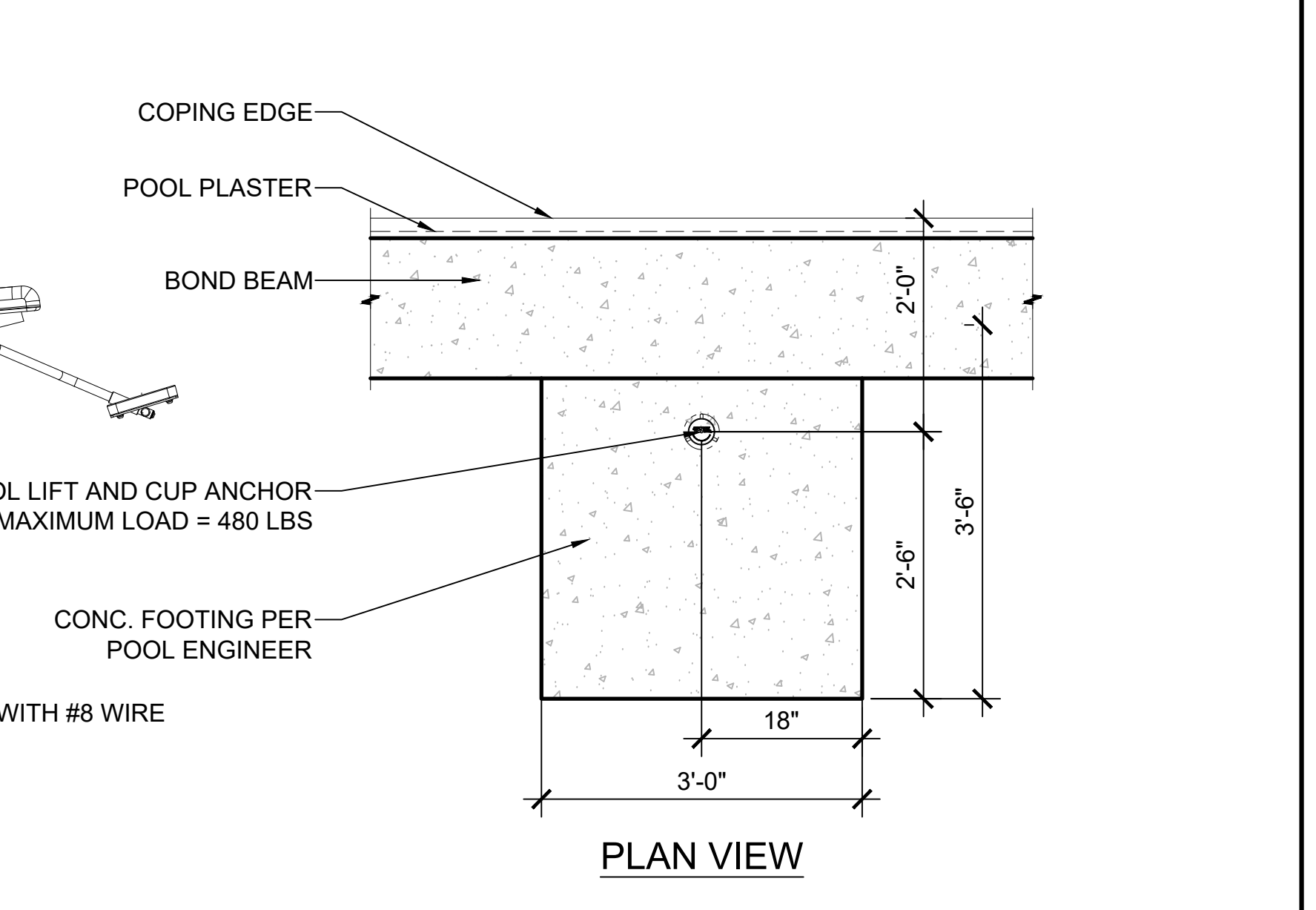
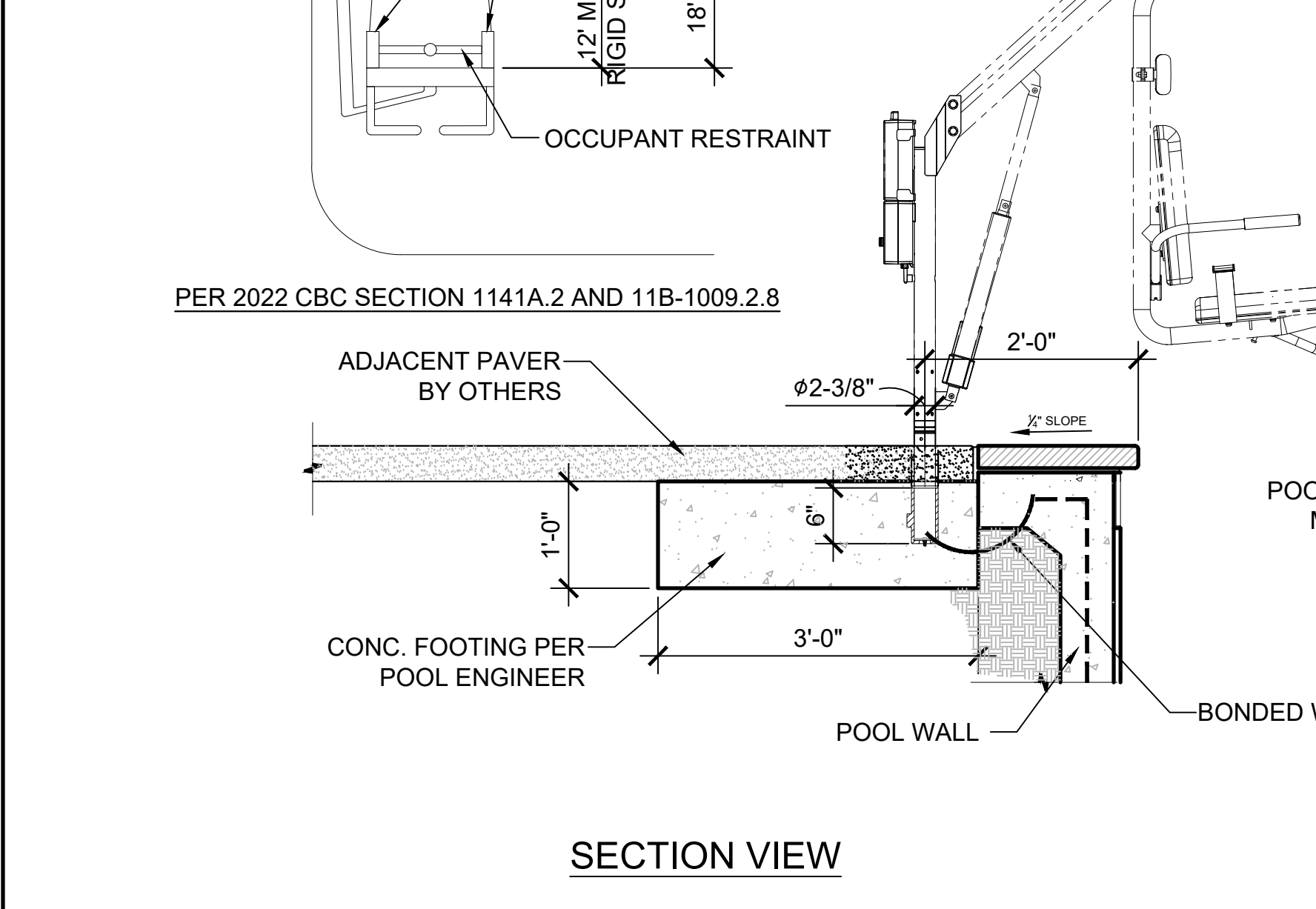
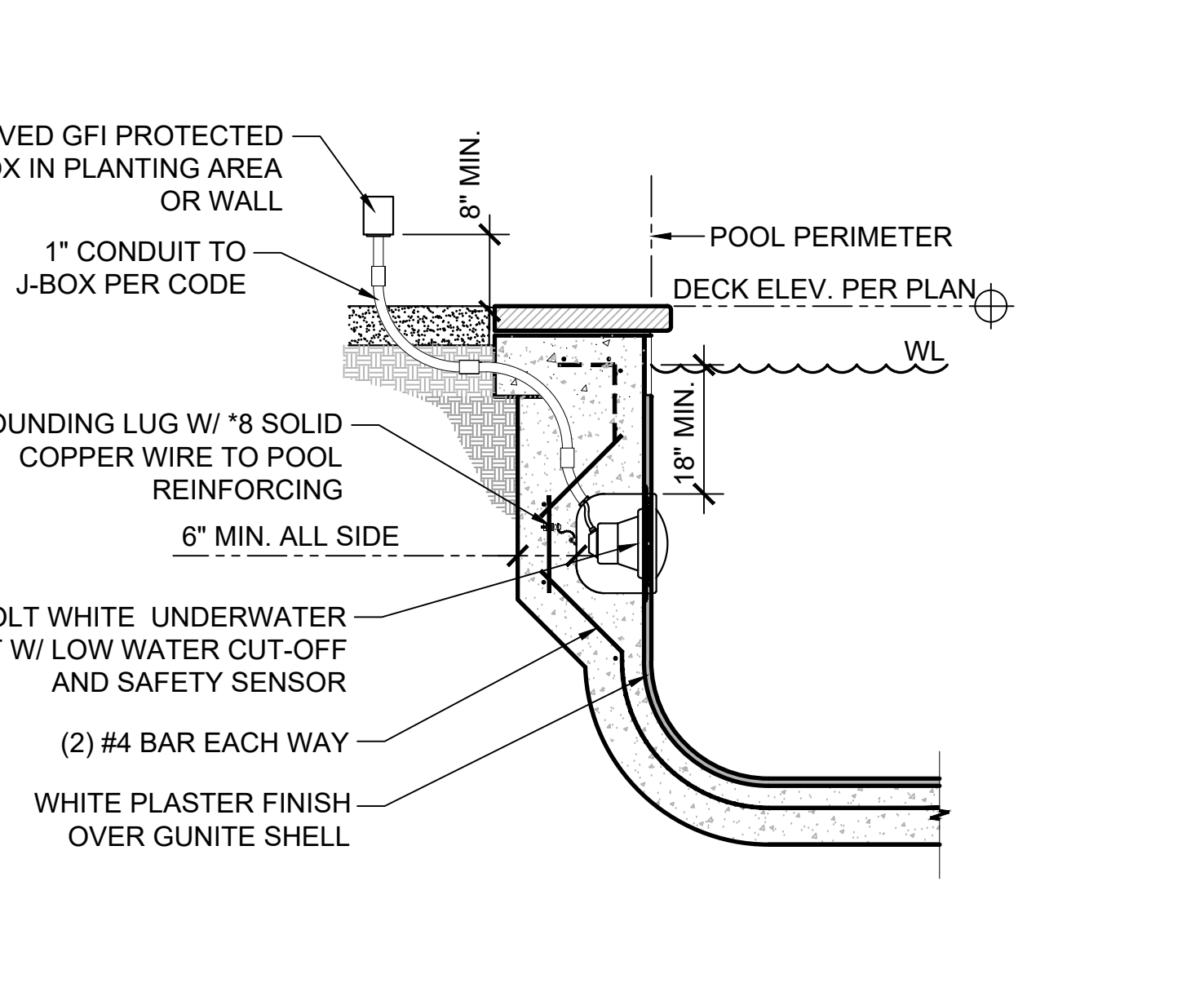
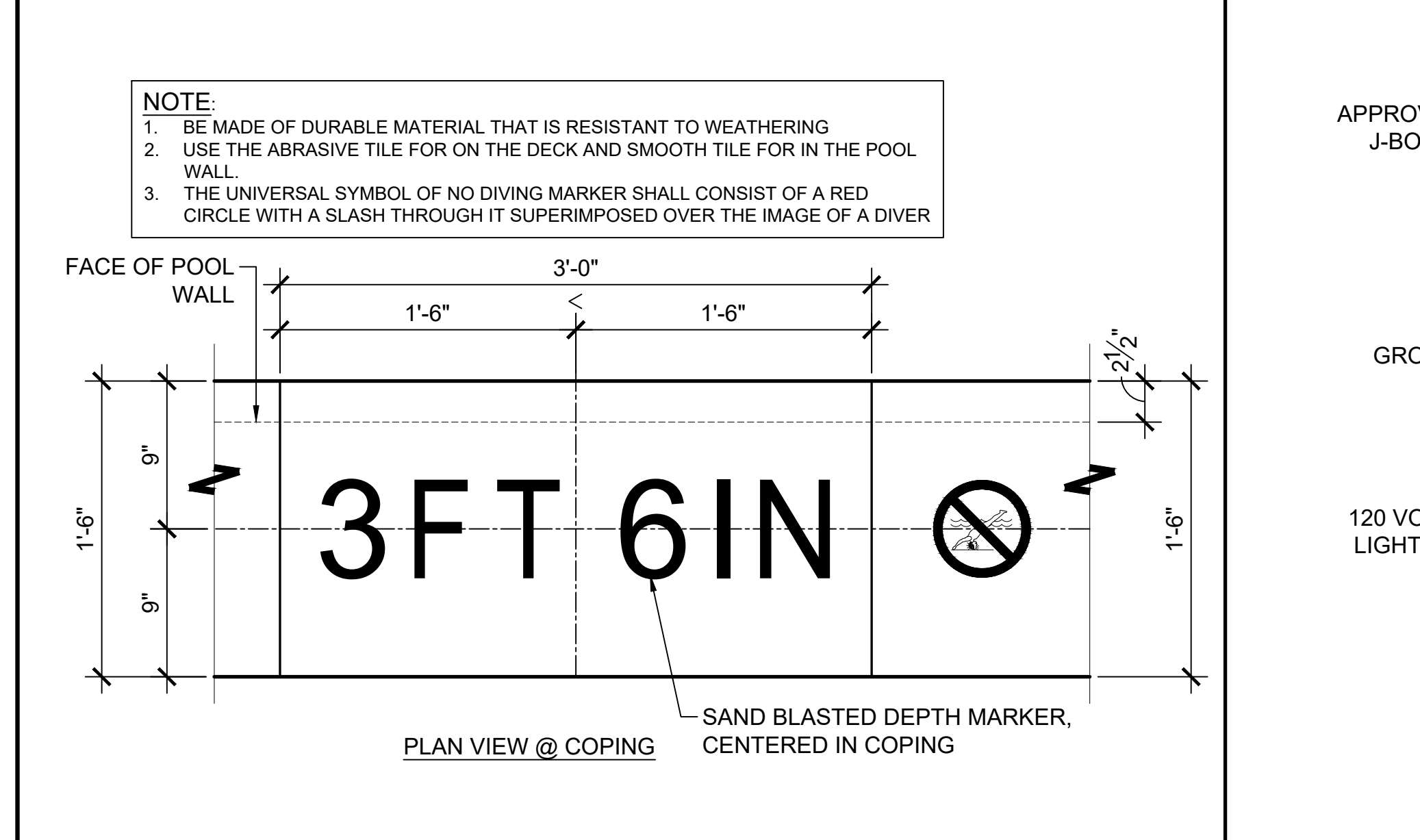
H 3/4" P-TRAP DETAIL



I 1" FILL LINE DETAIL

J 1" AUTOFILL DETAIL

M 3/4" ACCESSIBLE LIFT AND ANCHOR



K 1/2" DECK MARKERS

L 3/4" POOL UNDERWATER LIGHT

M 3/4" ACCESSIBLE LIFT AND ANCHOR

M 3/4" ACCESSIBLE LIFT AND ANCHOR

PROJECT NAME:
COTA VERA SWIM CLUB
2168 AVENIDA CAPRISE
CHULA VISTA, CA 91913

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OWNERS NAME:
HOMIEFED CORPORATION
1903 WRIGHT PLACE, SUITE 220
CARLSBAD, CA 92008
PHONE:
FAX:

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| Drawn: | SM |
| Checked: | AT |
| Project Number: | 22-564 |
| Date: | 03/16/23 |

Sheet Title:
POOL, SPA & WADING POOL DETAILS

SP-401

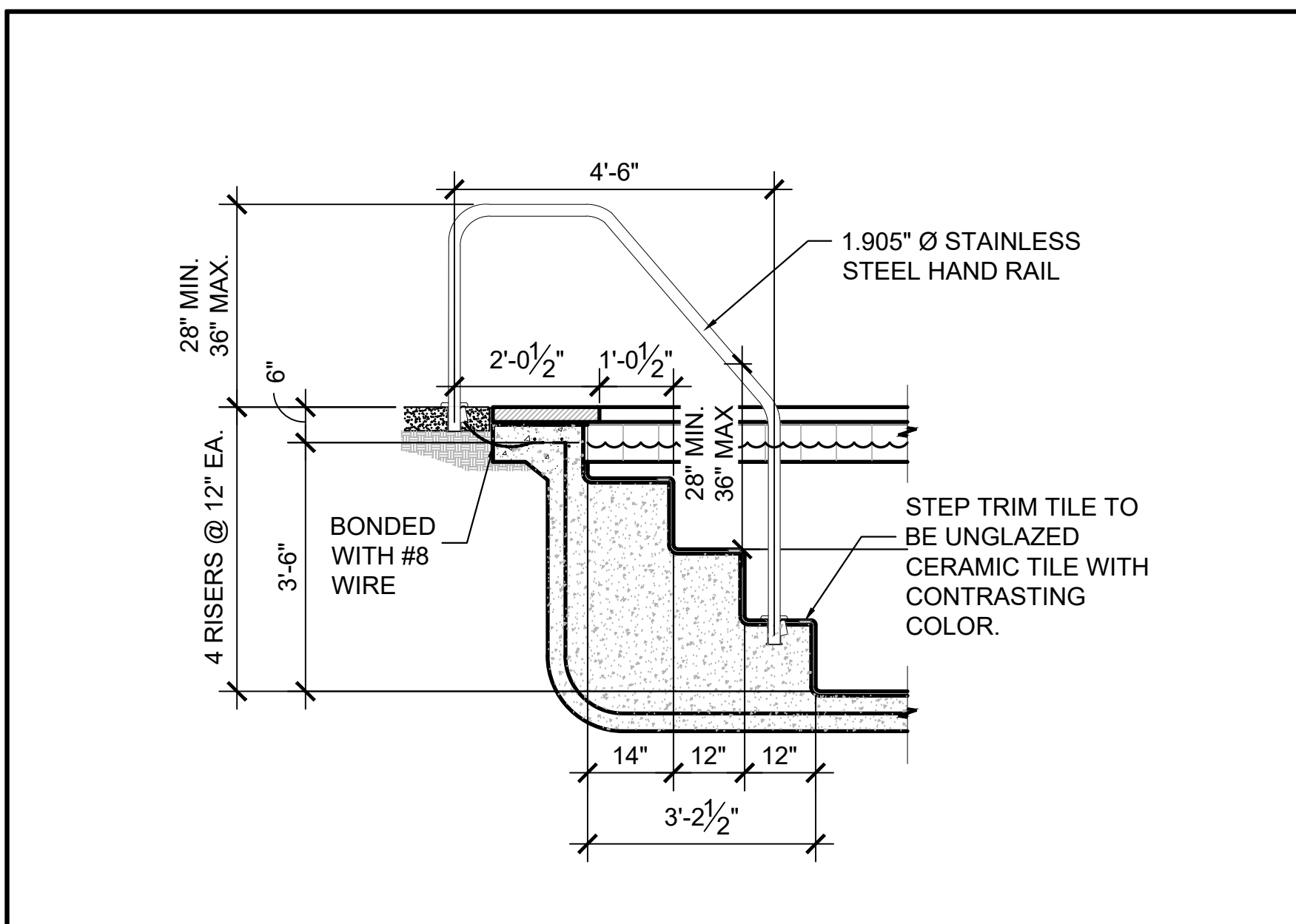


Aquatic TECHNOLOGIES

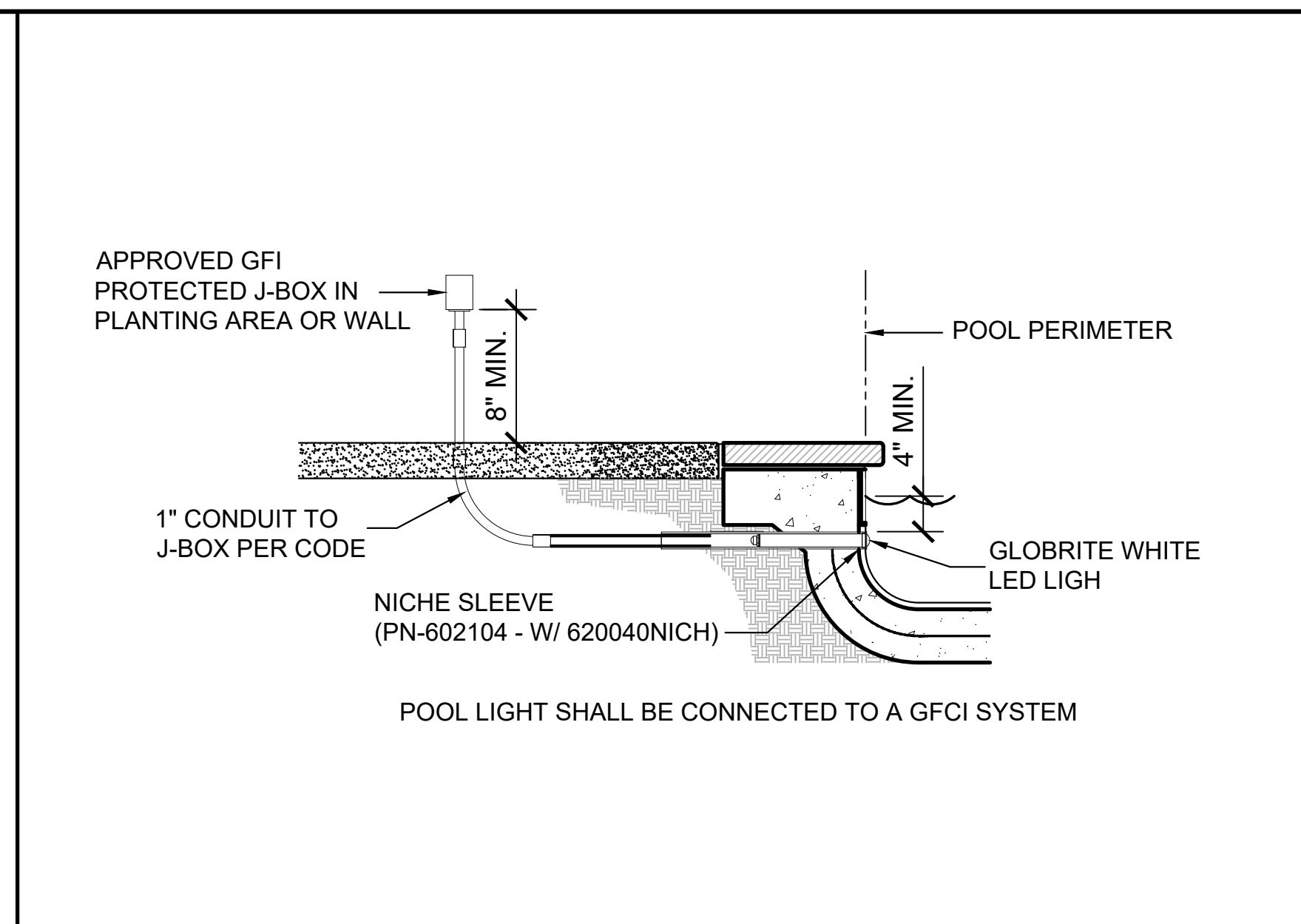
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PH:949/493-8548 F:949/493-8495
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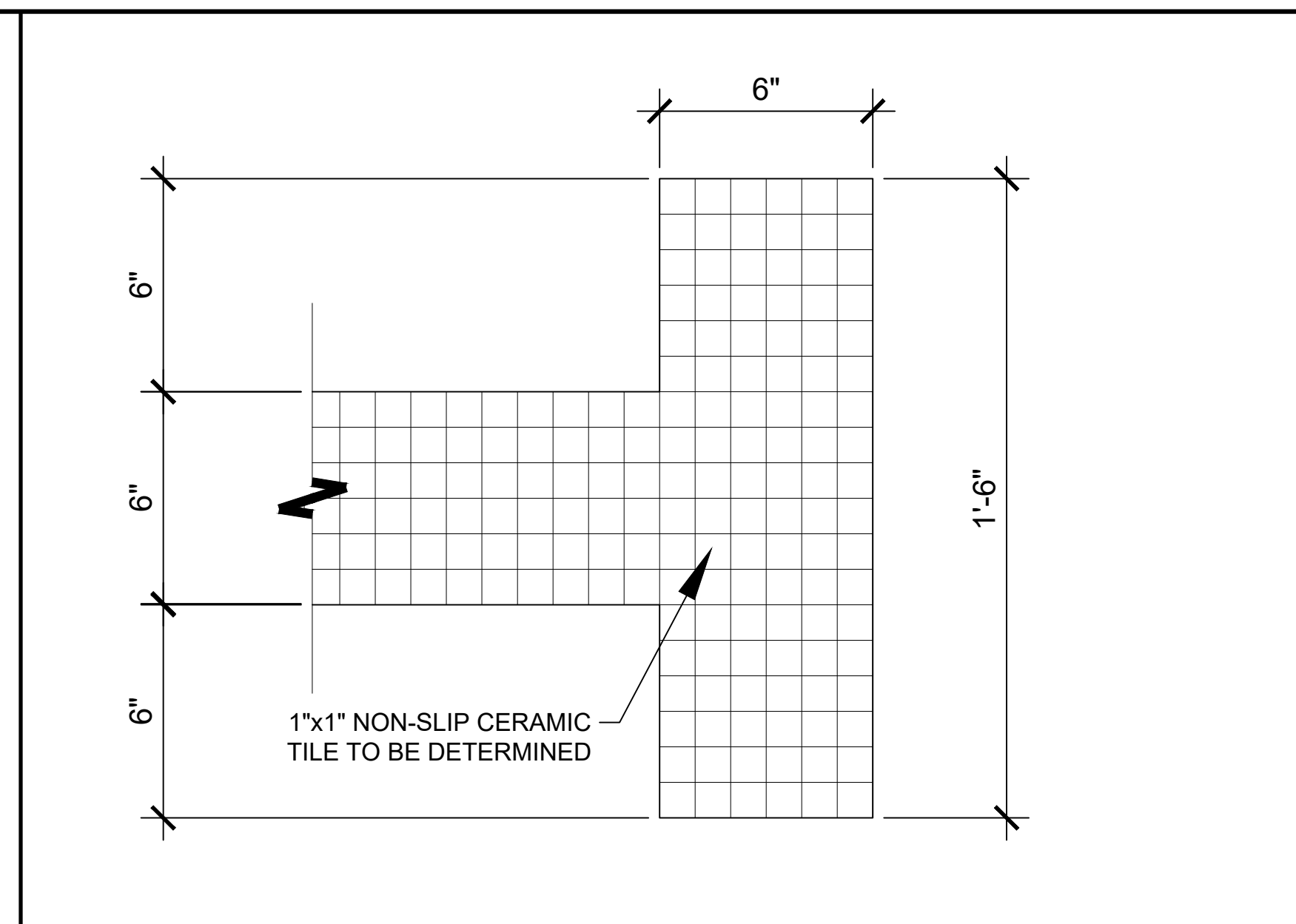
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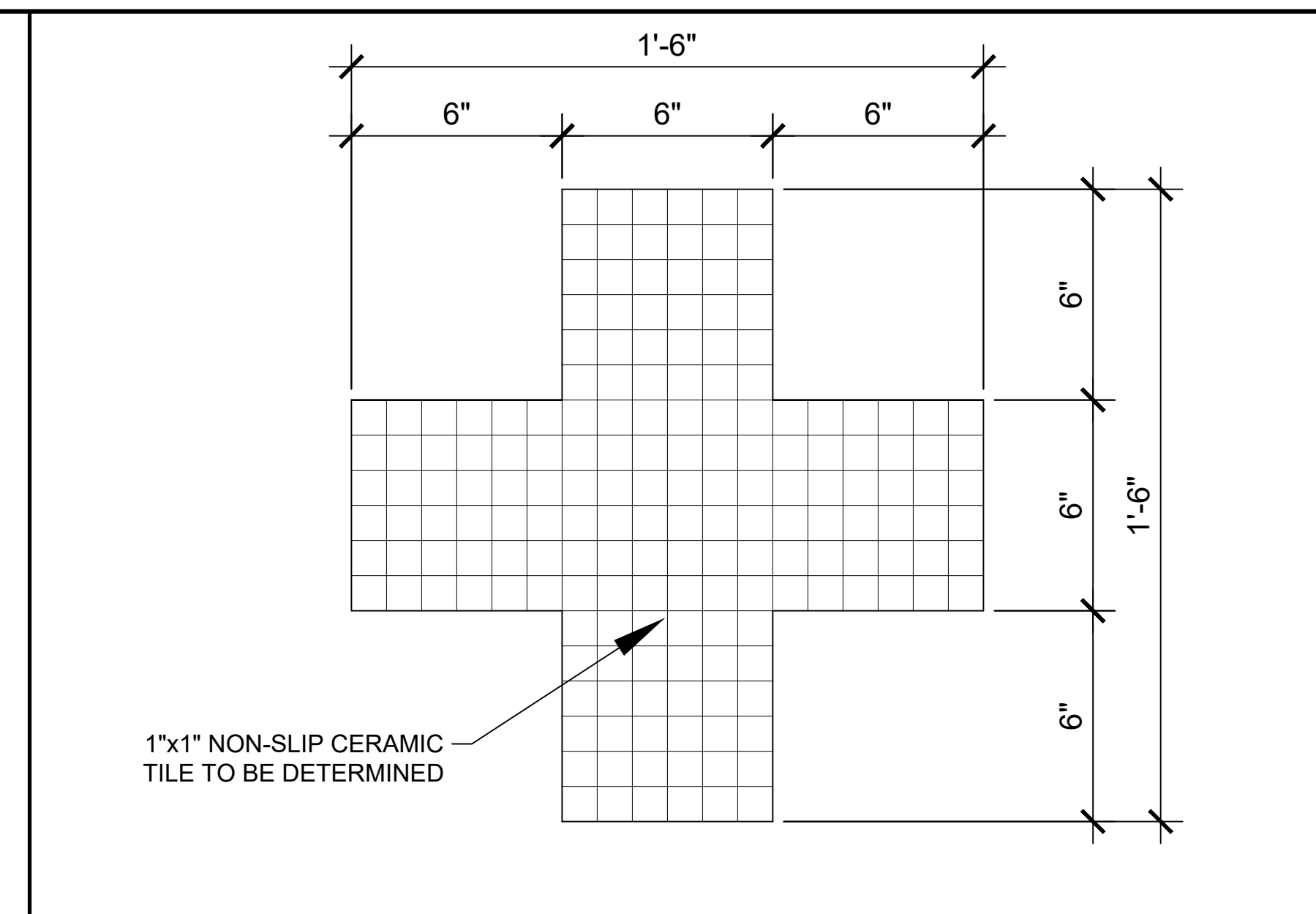
A 1/2" SPA STEP SECTION



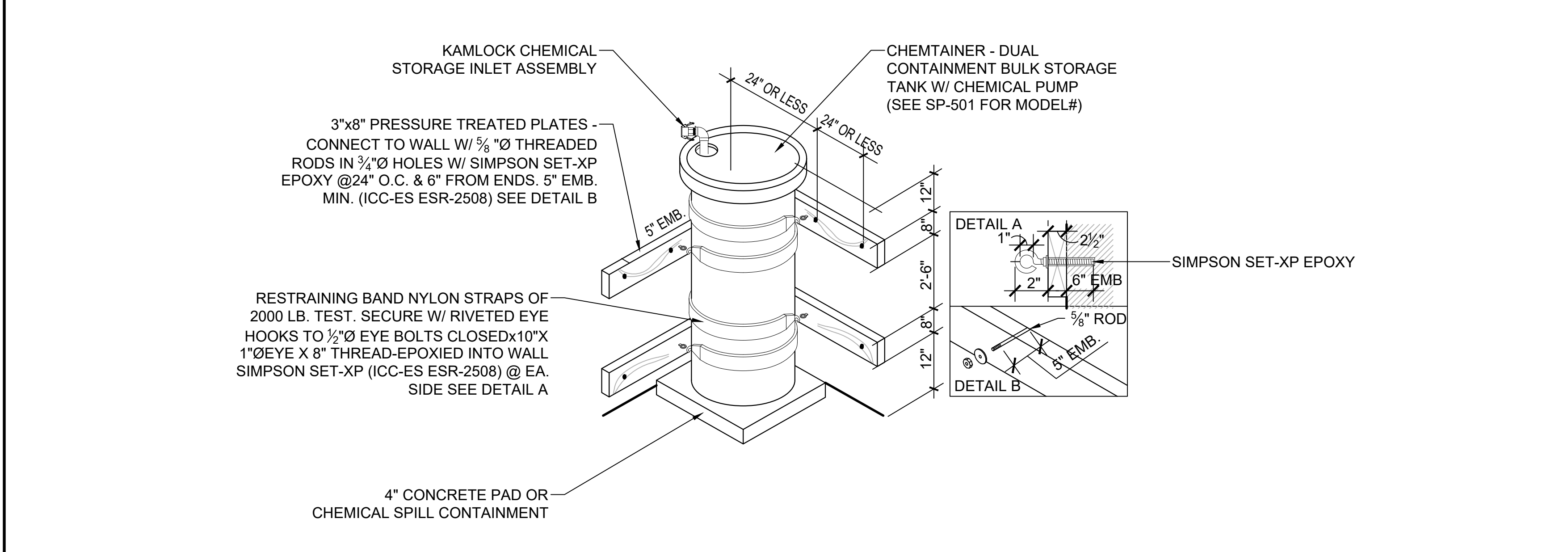
B 3/4" WADING POOL UNDERWATER LIGHT



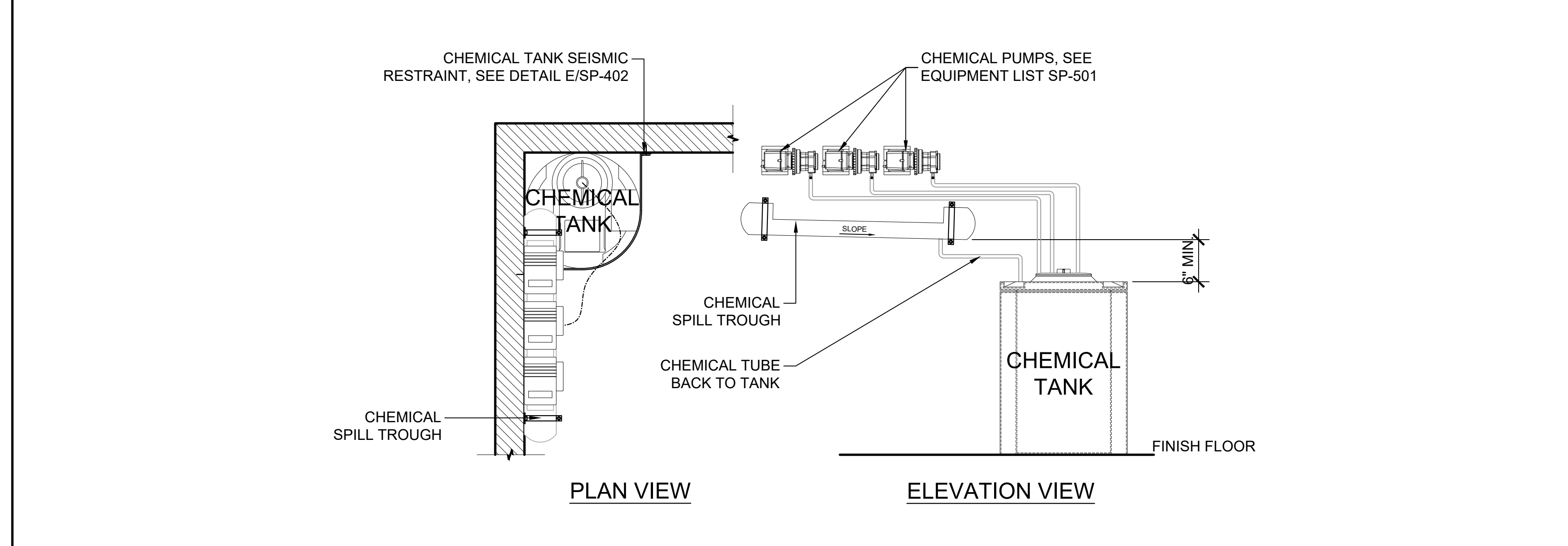
C 3" RACE LANE DETAIL



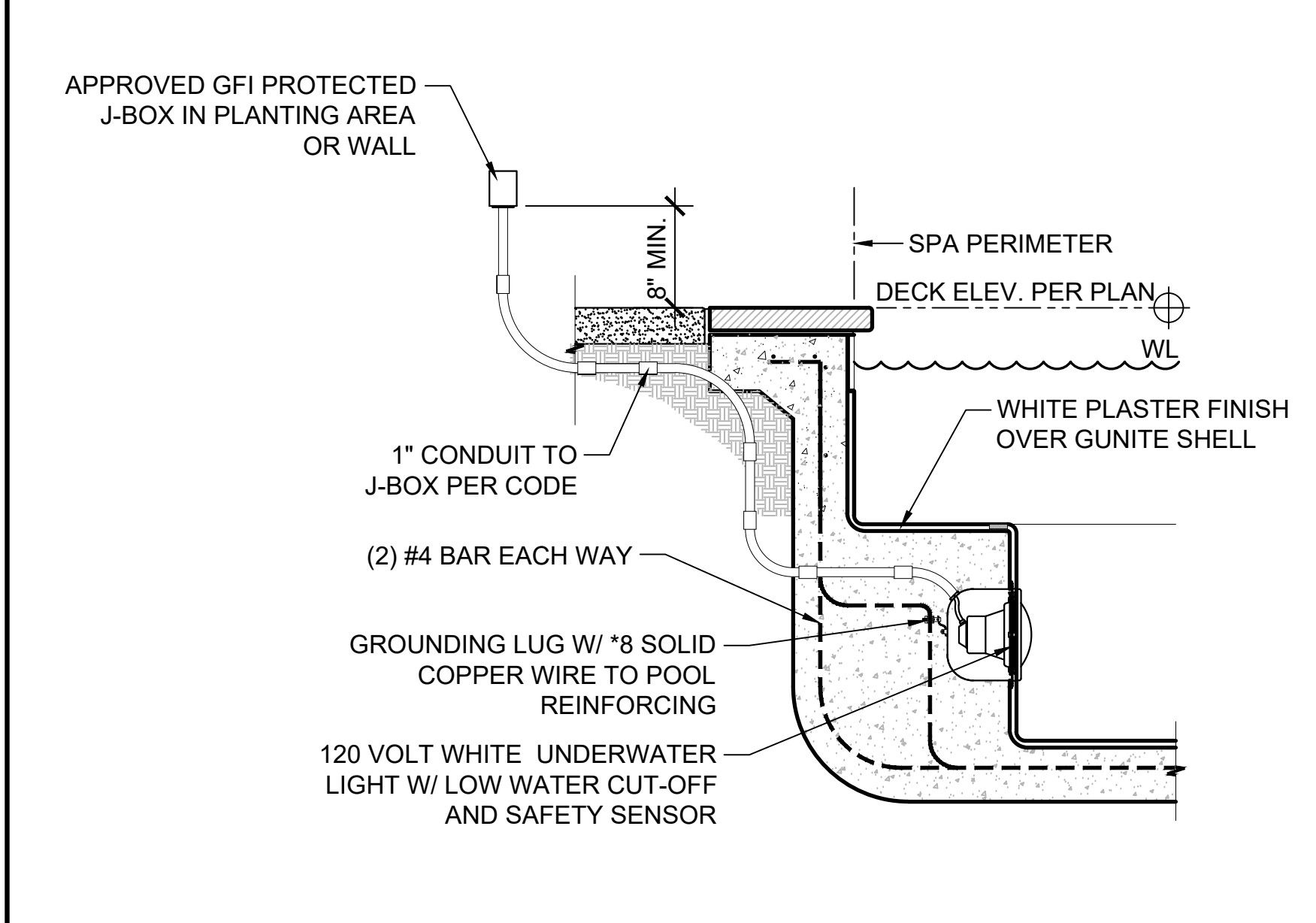
D 3" TARGET DETAIL



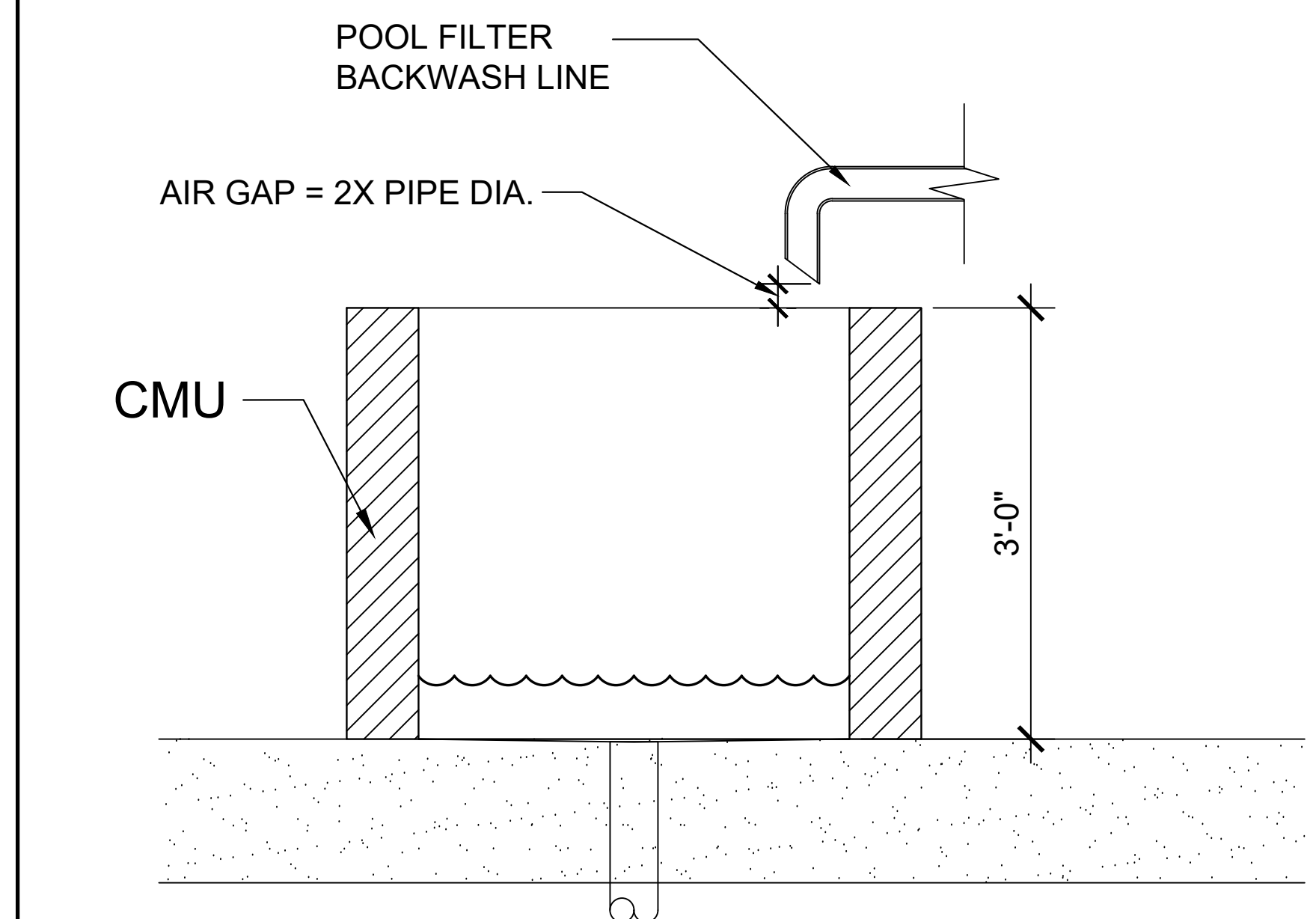
E NTS CHEMICAL TANK SEISMIC RESTRAINT



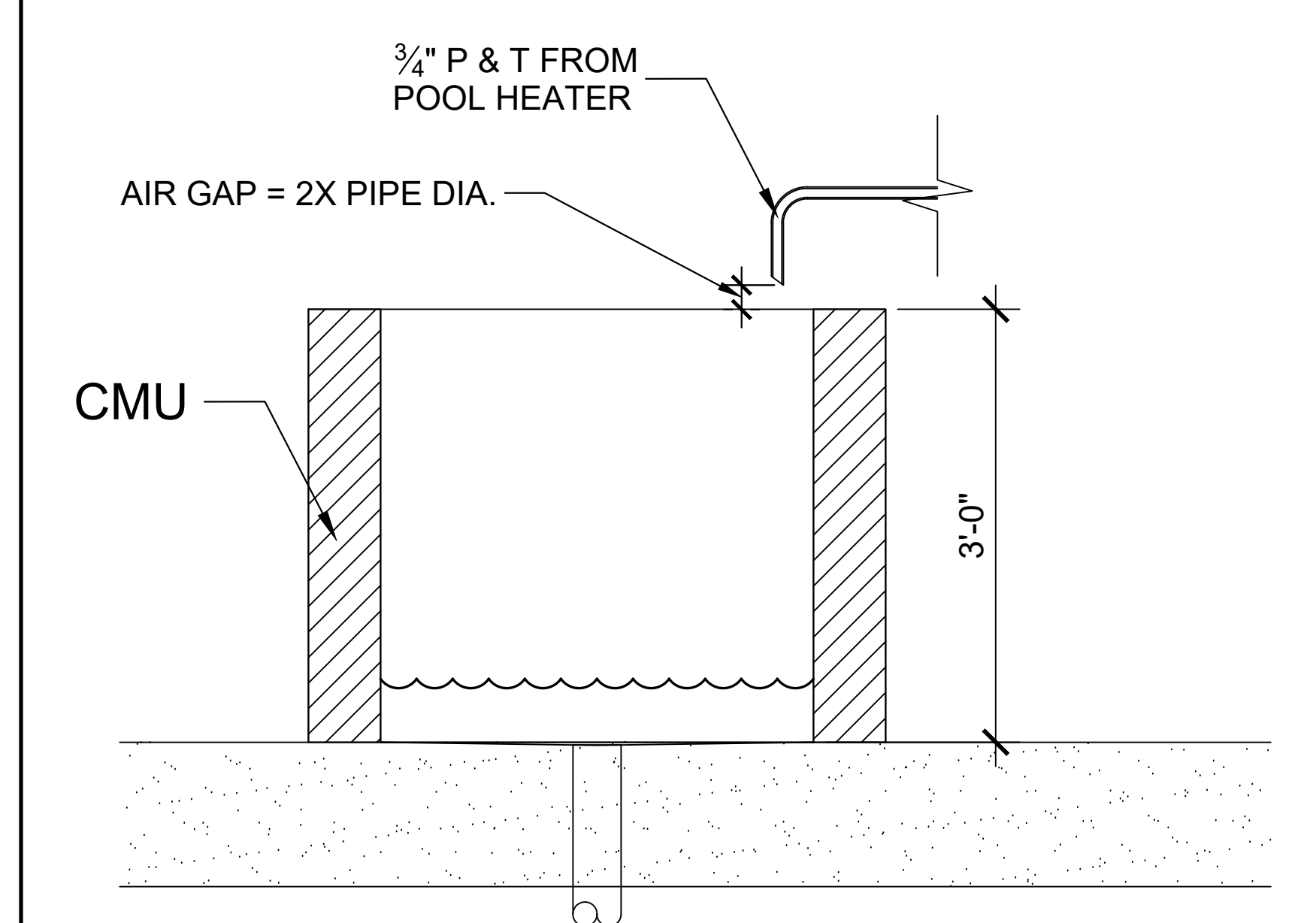
F 3/4" CHEMICAL SPILL TROUGH



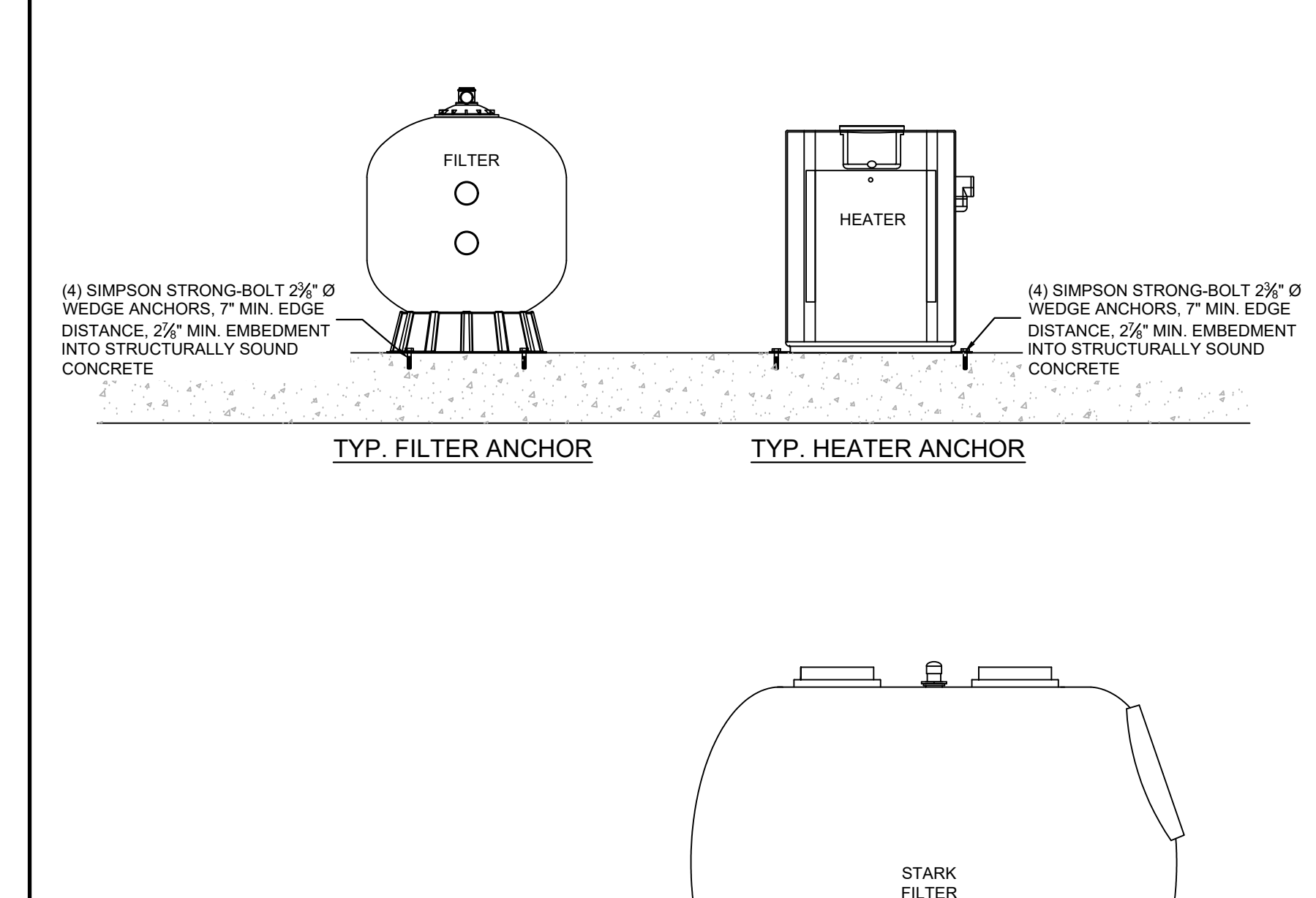
G NTS SPA UNDERWATER LIGHT



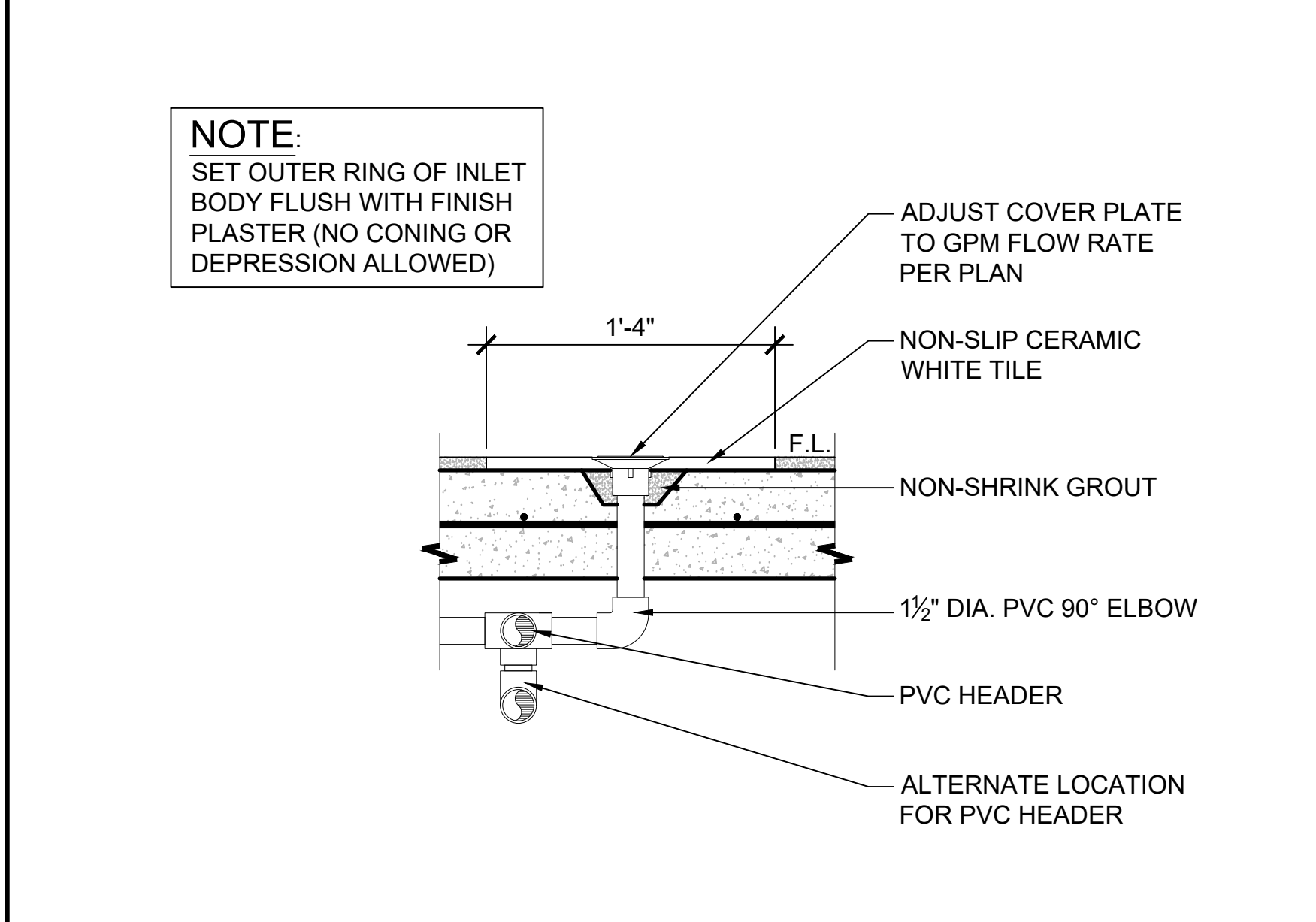
I 1" BACKWASH BOX



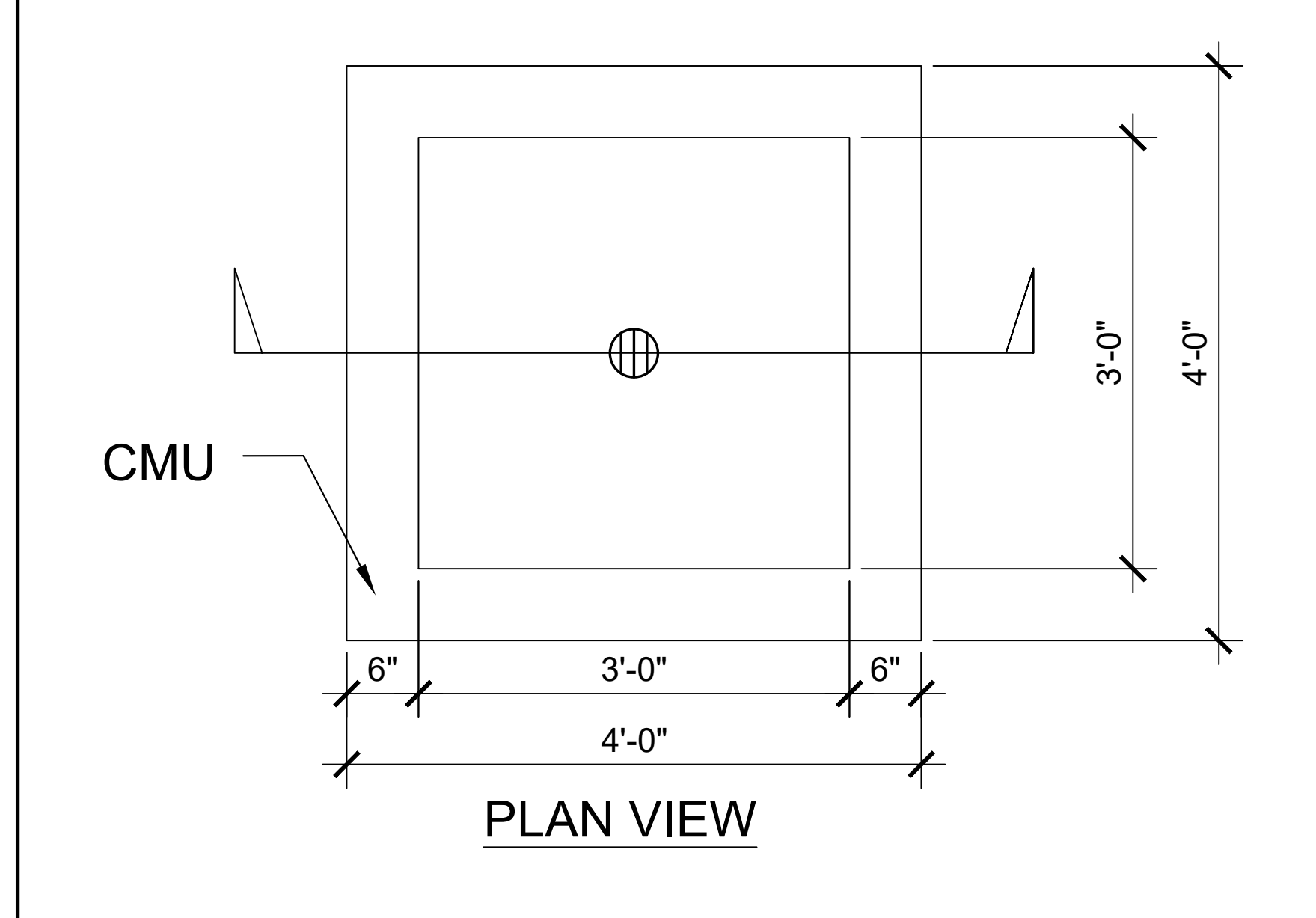
J 1" P & T RELIEF DETAIL



K NTS EQUIPMENT ANCHOR DETAIL



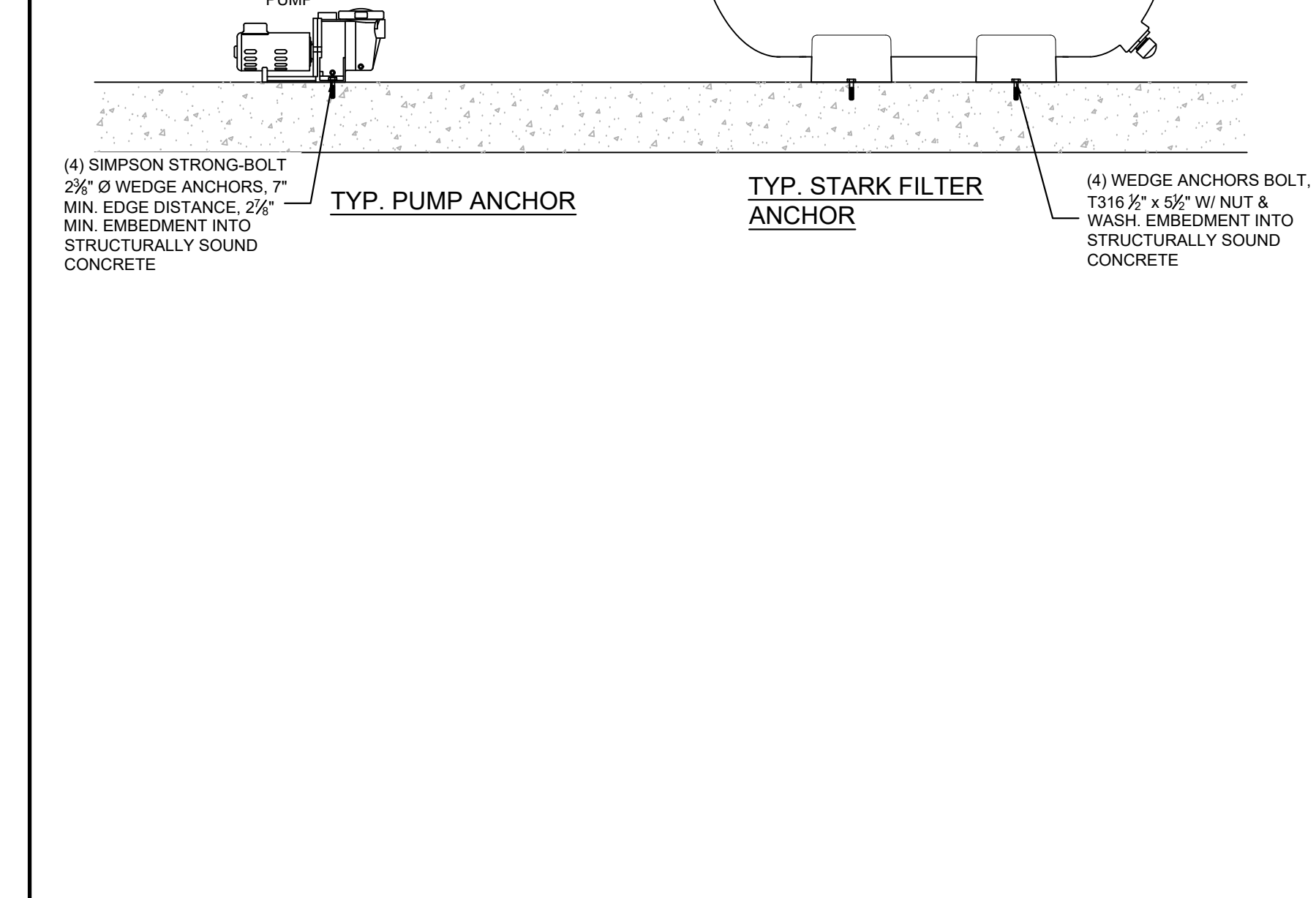
H 1/2" FLOOR INLET



I 1" BACKWASH BOX



J 1" P & T RELIEF DETAIL



K NTS EQUIPMENT ANCHOR DETAIL

PROJECT NAME:
COTA VERA SWIM CLUB
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| Date: | 03/16/23 |

Sheet Title:
POOL, SPA & WADING POOL DETAILS

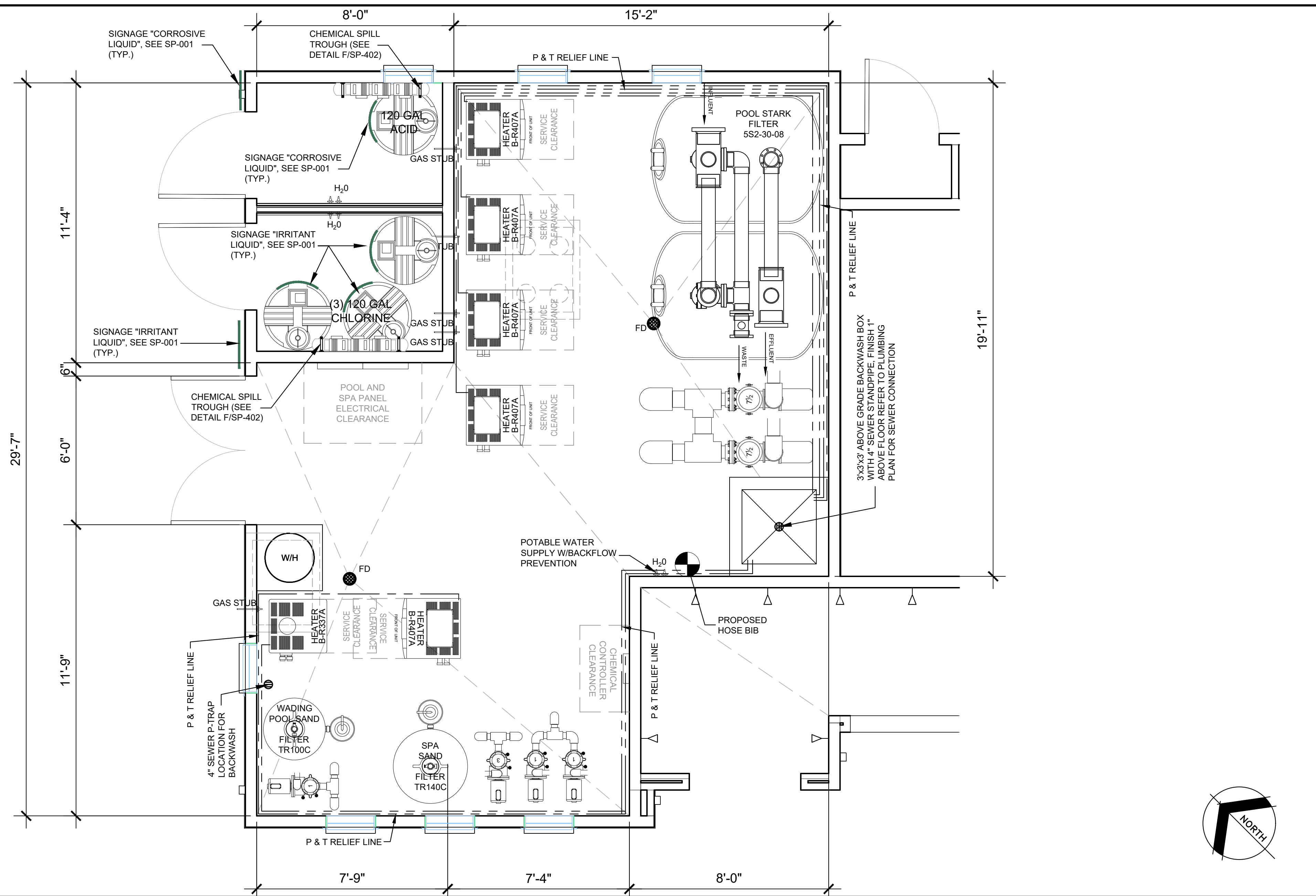
SP-402

| POOL EQUIPMENT LIST | | | | | |
|---------------------|-----------------|---------------|-----|------------|---|
| EQUIPMENT | BRAND | MODEL | QTY | SPEC. | DESCRIPTION |
| PUMP | PENTAIR | CHK-75 | 2 | A,B/SP-601 | 7½ HP C SERIES COMMERCIAL BRONZE PUMPS - THREE PHASE POOL PUMPS @ MAX. 410 GPM (ITEM# 011658) |
| FILTER | PENTAIR | 5S2-30-08 | 1 | C,D/SP-603 | STARK 5S SERIES HORIZONTAL SAND FILTRATION SYSTEMS (2 TANKS @ MAX 900 GPM)(450 GPM EACH TANK) |
| HEATER | RAYPAK | B-R407A | 4 | E,F/SP-601 | 399K BTUH DIGITAL ASME HEATERS |
| FLOWMETER | BLUE & WHITE | F-300 | 1 | G,H/SP-601 | F-30800P (8") |
| CHEMICAL CONTROLLER | IPS CONTROLLERS | M920ca | 1 | K/SP-601 | DISINFECTANT DIGITAL CONTROLLER (PH/ DUAL ORP) |
| CHLORINATOR | STENNER | 85M5 | 1 | C,D/SP-602 | LIQUID CHLORINE PUMP (MAX. 85 GAL PER DAY) |
| ACID PUMP | STENNER | 45M5 | 1 | C,D/SP-602 | LIQUID ACID PUMP (MAX. 50 GAL PER DAY) |
| LIGHT | PENTAIR | INTELLIBRITE | 10 | G,H/SP-602 | 500WATT EQUIVALENCY UNDERWATER WHITE LED LIGHTS (55 WATTAGE) |
| SKIMMER | WATERWAY | 540-6300 | 12 | I,J/SP-602 | COMMERCIAL RENEGADE GUNITE IN-GROUND SKIMMER |
| MAIN DRAIN | WATERWAY | 640-4760 V | 2 | I/SP-603 | 24" SQUARE DRAIN COVERS |
| WALL RETURN | WATERWAY | 400-9190 | 2 | B/SP-602 | FLUSH MOUNT RETURN FITTING (WHITE COLOR) |
| FLOOR INLET | STA-RITE | 8417-0000 | 20 | H/SP-604 | FLUSH MOUNT RETURN FITTING (WHITE COLOR) |
| CHLORINE TANK | CHEMTAINER | TC3345DC | 3 | A,B/SP-603 | 120 GAL DOUBLE WALL DUAL CONTAINMENT BULK STORAGE TANK |
| ACID TANK | CHEMTAINER | TC3345DC | 1 | A,B/SP-603 | 120 GAL DOUBLE WALL DUAL CONTAINMENT BULK STORAGE TANK |
| ACID FUME SCRUBBER | PROMINENT | 7747090 | 1 | F/SP-602 | |
| WATER LEVELER | LEVOLOR | K1100 | 1 | I,J/SP-601 | AUTOMATIC WATER LEVELER SYSTEM |
| CONTROL | PENTAIR | LX802 | 1 | J/SP-603 | COMMERCIAL POOL & SPA CONTROL SYSTEM |
| AUTOFILL LID | POUR-A-LID | 201 PAL CLEAR | 1 | F,G/SP-604 | 10" POUR-A-LID POOL AUTOFILL COVER |
| SKIMMER LID | POUR-A-LID | 201 PAL CLEAR | 12 | F,G/SP-604 | 10" POUR-A-LID POOL SKIMMER COVER |
| EYEWASH | HAWS | 7260BT-7270BT | 2 | E/SP-604 | MSR WALL MOUNT EYE/FACE WASH STATION |

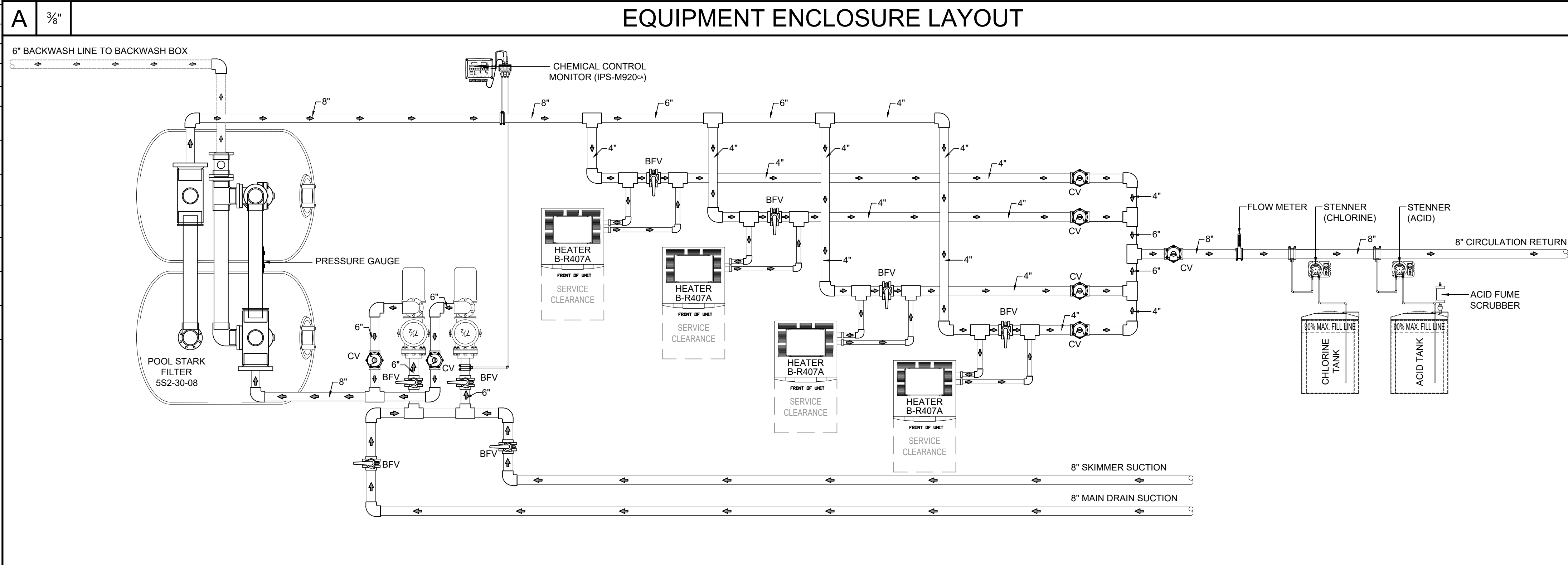
| WADING POOL EQUIPMENT LIST | | | | | |
|----------------------------|-----------------|---------------|-----|------------|---|
| EQUIPMENT | BRAND | MODEL | QTY | SPEC. | DESCRIPTION |
| PUMP | PENTAIR | WFK-4 | 1 | K,L/SP-603 | 1HP WHISPERFLO HIGH PERFORMANCE PUMP (THREE PHASE) @ MAX. 74 GPM (ITEM# 011641) |
| FILTER | PENTAIR | TR-100C | 1 | C,D/SP-601 | HIGH CAPACITY FIBERGLASS SAND FILTER @ 98 GPM |
| MULTI-PORT BACKWASH VALVE | PENTAIR | 261050 | 1 | A/SP-602 | 2" BACKWASH VALVE |
| HEATER | RAYPAK | B-R337A | 1 | E,F/SP-601 | 332.5K BTUH DIGITAL ASME HEATERS |
| FLOWMETER | BLUE & WHITE | F-300 | 1 | G,H/SP-601 | F-30200P (2") |
| CHEMICAL CONTROLLER | IPS CONTROLLERS | M920ca | 1 | K/SP-601 | DISINFECTANT DIGITAL CONTROLLER (PH/ DUAL ORP) |
| CHLORINATOR | STENNER | 45MHP10 | 1 | C,D/SP-602 | LIQUID CHLORINE PUMP (MAX. 10 GAL PER DAY) |
| ACID PUMP | STENNER | 45MHP10 | 1 | C,D/SP-602 | LIQUID ACID PUMP (MAX. 10 GAL PER DAY) |
| LIGHT | PENTAIR | GLOBRITE | 2 | D/SP-604 | 190WATT EQUIVALENCY UNDERWATER WHITE LED LIGHTS (15 WATTAGE) |
| SKIMMER | WATERWAY | 540-6300 | 2 | I,J/SP-602 | COMMERCIAL RENEGADE GUNITE IN-GROUND SKIMMER |
| MAIN DRAIN | AFRAS | ABF-64A | 2 | L/SP-601 | 1½" ROUND DRAIN COVERS |
| WALL RETURN | WATERWAY | 400-9190 | 2 | B/SP-602 | FLUSH MOUNT RETURN FITTING (WHITE COLOR) |
| CHLORINE TANK | CHEMTAINER | TC3345DC | 0 | A,B/SP-603 | 120 GAL DOUBLE WALL DUAL CONTAINMENT BULK STORAGE TANK (SHARED W/ POOL & SPA) |
| ACID TANK | CHEMTAINER | TC3345DC | 0 | A,B/SP-603 | 120 GAL DOUBLE WALL DUAL CONTAINMENT BULK STORAGE TANK (SHARED W/ POOL & SPA) |
| ACID FUME SCRUBBER | PROMINENT | 7747090 | 0 | F/SP-602 | SHARED W/ POOL & SPA |
| WATER LEVELER | LEVOLOR | K1100 | 1 | I,J/SP-601 | AUTOMATIC WATER LEVELER SYSTEM |
| CONTROL | INTERMATIC | T101 | 2 | K,L/SP-602 | 1 TIME CLOCK FOR PUMP & 1 TIME CLOCK FOR LIGHTS |
| AUTOFILL LID | POUR-A-LID | 201 PAL CLEAR | 1 | F,G/SP-604 | 10" POUR-A-LID WADING POOL AUTOFILL COVER |
| SKIMMER LID | POUR-A-LID | 201 PAL CLEAR | 2 | F,G/SP-604 | 10" POUR-A-LID WADING POOL SKIMMER COVER |

EQUIPMENT NOTES

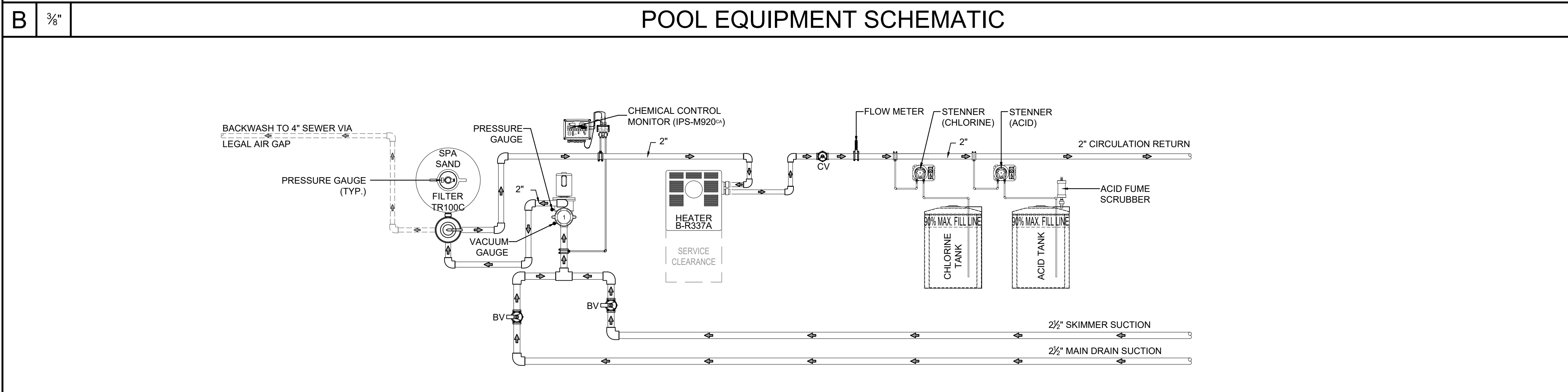
- A. ALL EQUIPMENT TO BE INSTALLED PER MANUFACTURER INSTRUCTIONS.
- B. ALL VALVES SHALL BE TAGGED WITH WATERPROOF OPERATING CARD.
- C. ALL PIPE MATERIALS TO BE PVC SCH. 40.
- D. FILTERS BACKWASH TO SANITARY SEWER VIA LEGAL AIR GAP AND SIGHT GLASS.
- E. PRESSURE GAUGES SHALL BE MOUNTED AT THE SAME ELEVATION.
- F. FLOW METER B&W F-300-10 X PIPE DIAMETER AHEAD & 4 X PIPE DIAMETER BACK ON STRAIGHT PIPE.
- G. HEATERS WITH AUTO TEMPERATURE CONTROL AND INTERNAL BY-PASS.
- H. ALL EQUIPMENT, CONSTRUCTION AND ETC... SHALL MEET TITLE 22 & 24.
- I. HAZARDOUS MATERIALS STORED AND/OR USED WITHIN THE BUILDING, WILL NOT EXCEED THE QUANTITIES LISTED IN CBC TABLES 307.1(1) AND 307.2(2)
- J. LABEL ALL PIPES SHOWING DIRECTION OF FLOW AND ANY VALVES INDICATING PURPOSE. IDENTIFY MULTIPLE RE-CIRCULATION SYSTEMS.
- K. PIPES CARRYING WASTEWATER FROM SWIMMING POOLS, INCLUDING POOL DRAINAGE AND BACKWASH FROM FILTER, SHALL BE INSTALLED AS AN INDIRECT WASTE. WHERE A PUMP IS USED TO DISCHARGE WASTE POOL WATER TO THE DRAINAGE SYSTEM, THE PUMP DISCHARGE SHALL BE INSTALLED AS AN INDIRECT WASTE (SEC. 813.0 CPC)
- L. INCOMPATIBLE MATERIALS IN STORAGE AND STORAGE OF MATERIALS THAT ARE INCOMPATIBLE WITH MATERIALS IN USE SHALL BE SEPARATED WHEN THE STORED MATERIALS ARE IN CONTAINERS HAVING A CAPACITY OF MORE THAN 5 POUNDS (2 kg) OR 0.5 GALLON (2 L). (2022 CFC 5003.9.8)
- M. EQUIPMENT ROOM FLOORS SHALL BE SLOPED A MINIMUM OF ¼ IN. PER FT. TO A FLOOR DRAIN.
- N. CHLORINE AND ACID TANKS TO BE CLEARLY MARKED WITH A FILL LINE AT 90% CAPACITY TO AVOID OVER FILLING
- O. USE OF POOL CHEMICALS AND ASSOCIATED EQUIPMENT SHALL MEET REQUIREMENTS OF THE 2022 CALIFORNIA FIRE CODE, CHAPTER 50
- P. POOL EQUIPMENT WILL BE MOUNTED ON A CONTINUOUS SLAB OF CONCRETE.
- Q. CHEMICAL FEEDER PUMPS ARE ELECTRONICALLY INTERLOCKED TO SHUT-OFF WHEN THE RECIRCULATION PUMP SHUT-OFF
- R. POTABLE WATER SUPPLY FOR FILL LINE (POINT OF CONNECTION) SEE DETAIL I/SP-401.



EQUIPMENT ENCLOSURE LAYOUT



POOL EQUIPMENT SCHEMATIC



WADING POOL EQUIPMENT SCHEMATIC

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HART BROTHERS CONSTRUCTION, INC.
 DBA AQUATIC TECHNOLOGIES
 LICENSE # 744177 C53 A & B
 EXPIRES: 12-31-2023

PROJECT NAME:
COTA VERA SWIM CLUB
 2168 AVENIDA CAPRISE
 CHULA VISTA, CA 91913

| No. | Date | Revision |
|-----|------|----------|
| | | |
| | | |
| | | |

OWNERS NAME:
HOMIEFED CORPORATION
 1903 WRIGHT PLACE, SUITE 220
 CARLSBAD, CA 92008
 PHONE:
 FAX:

Drawn: SM
 Checked: AT
 Project Number: 22-564
 Date: 03/16/23
 Sheet Title:

EQUIPMENT ROOM LAYOUT, LIST & SCHEMATIC DIAGRAMS

PENTAIR

C SERIES[®]
HIGH PERFORMANCE COMMERCIAL BRONZE PUMPS
 AVAILABLE IN FLOWS TO 740 GPM, AND FROM 5 TO 10 HP



The C Series pump is a heavy-duty pump specifically designed for large pools, fountains and water attractions that demand high flow rates and continuous operation. With bronze construction and a stainless steel strainer basket, the C Series pump is perfect for the toughest indoor or outdoor projects. This pump's lasting efficiency, quiet operation, easy maintenance and durability has set the standard for medium- and high-head performance in the pool industry for many years. Available with and without a hair and lint strainer.

STANDARD FEATURES

- All bronze construction for strength and durability.
- Close coupled for quiet, stable flow.
- Heavy-gauge stainless steel strainer baskets, with open area five times the area of the suction port.
- 4-inch suction and 4-inch discharge for maximum efficiency with strainer.
- Closed impeller for longer motor bearing life.
- Heat-resistant seal for operation up to 150° F.
- Available in single- and three-phase 50 and 60 Hz models.
- 200V/208 and 575 volt models available on request.
- One-year limited warranty. See warranty for details.

Motor

TY Frame Motor

Frame size
 NEMA Rated Range: 220V/40V are open drip-proof design.

Shaft
 303 Stainless steel construction.

Design
 1 to 25 HP, 3000 RPM, IM open drip-proof, continuous duty, three-phase and single-phase 5, 7½, and 10 HP only.

Bearings
 Lubricated double sealed ball bearings.

Thermal Overload Protection
 All models require external thermal overload protector.

Electrical
Power Supply Required
 Three-phase pumps are 208/230-440 and 200/208, 5, 7½, and 10 HP single-phase pumps are available in 230V, 40 Hz only.

Impeller
 Bronze CA 83400.

Base
 Enamel Coated Cast Iron Foot FL30.

Corrosion Protection
 All-bronze pump with stainless steel basket for maximum corrosion prevention.

Hair and Lint Strainer

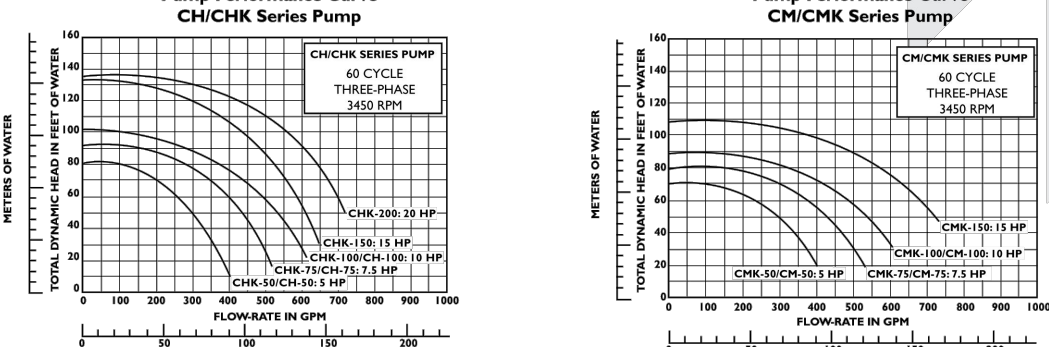
Material
 Strainer pot - Bronze CA 84400.
 Strainer - Stainless Steel.

Size
 4" ANSI Rated 125 lb. bolted flange suction ports.

Pump Maximum Limits
 Liquid Temperature: 154° F.
 Ambient Air Temperature: 104° F.

pentaircommercial.com

C SERIES[®]
HIGH PERFORMANCE COMMERCIAL BRONZE PUMPS



MATERIALS AND DESIGN

Pump Body
 Volume type, back-pull-out design.

Port Size
 4" ANSI Rated 125 lb. bolted flange suction port on strainer.
 5" ANSI Rated 125 lb. bolted flange suction port less strainer.
 4" ANSI Rated 125 lb. bolted flange discharge port.

Material
 Volume & Motor Adapter: Bronze CA 84400.
 Impeller: Bronze CA 83400.
 Base: Enamel Coated Cast Iron Foot FL30.
 Corrosion Protection: All-bronze pump with stainless steel basket for maximum corrosion prevention.

Hair and Lint Strainer

Material
 Strainer pot - Bronze CA 84400.
 Strainer - Stainless Steel.

Size
 4" ANSI Rated 125 lb. bolted flange suction ports.

Pump Maximum Limits
 Liquid Temperature: 154° F.
 Ambient Air Temperature: 104° F.

Pentair Water
 Commercial Pool and Aquatics

Triton[®] C Series
 Commercial Sand Filters



For commercial and high-end residential swimming pools and other water applications. Available in flow rates from 88 to 141 gallons per minute.

Capable of increased flow rates to 20 gpm per square foot of filter media, these filters are ideal for commercial applications and tandem installations when several filters are required.

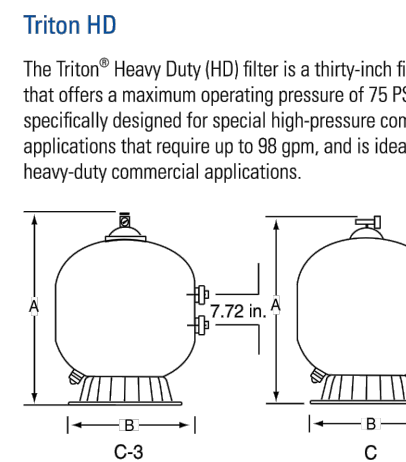
Standard Features

- 2" and 3" plumbing connections for maximum flow.
- 2" drains for easy winterizing.
- C and C-3 models in 30" and 36".
- Can be combined for tandem installation.
- NSF Listed.

209 Page 8/11-13

PENTAIR POOL PRODUCTS / PARAGON AQUATICS / ACU-TRAIL / STARK / STA-TRITE / BERKELEY / AURORA

Triton[®] C Series
 Commercial Sand Filters



The Triton[®] Heavy Duty (HD) filter is a thirty-high fiberglass filter that offers a maximum operating pressure of 75 PSI. This filter is specifically designed for special high-pressure commercial applications that require up to 98 gpm, and is ideal for all heavy-duty commercial applications.

Triton Commercial Series Sand Filter Specifications

| Model Number | Filter Area Sq Ft | Flow Rate 20 GPM/psi, ft. 8 Hours | Turnover Capacity Gallons 8 Hours | Dimension A B | Media Required Sand Sand/Grit/Coal |
|--------------|-------------------|-----------------------------------|-----------------------------------|---------------|------------------------------------|
| TH100C | 4.91 | 98 | 35,280 | 47.50" 39" | 800 lbs. 450 lbs./750 lbs. |
| TH140C | 7.98 | 141 | 50,760 | 67.00" 45.5" | 825 lbs. 650 lbs./775 lbs. |
| TH180C* | 4.91 | 98 | 35,280 | 47.50" 39" | 800 lbs. 450 lbs./750 lbs. |
| TH140C* | 7.98 | 141 | 50,760 | 67.00" 45.5" | 825 lbs. 650 lbs./775 lbs. |

Flow Rate System

| Filter System | A | B | C | D | Total Med. |
|---------------|--------|-------|----------|----------|------------|
| 2" TR100C | 82" N | 17" N | 48" Min. | 18" Min. | 2,300 lbs. |
| 2" TR140C | 88" N | 17" N | 54" Min. | 18" Min. | 3,300 lbs. |
| 4" TR180C | 85" N | 19" N | 54" Min. | 18" Min. | 2,300 lbs. |
| 6" TR180C | 111" N | 24" N | 54" Min. | 18" Min. | 3,300 lbs. |

Flow Rate vs. Pressure

1650 Hanks Avenue
 San Ramon, CA 94583
 Phone: 925-279-7202
 www.pentairwater.com

DIGITAL GAS
 POOL AND SPA HEATER

MODERN DESIGN AND CONSTRUCTION

DYNAMIC SELF-DIAGNOSTIC CONTROLS

FEATURING PROTEK SHIELD™

AVAILABLE AS ATMOSPHERIC, LOW NO_x, AND ASME

Raypak

DIGITAL BRONZE LOW NO_x ASME

• ProTek Shield™ module
 • 2" bronze headers
 • High-wind reliability
 • 125# pressure relief valve included
 • Unitherm governor eliminates condensation

• ANSI Z21.58 design certified
 • Digital LCD for temperature control and heater settings
 • Microprocessor controls diagnostic readout and continuously monitors operational status

MODEL

| MODEL | GAS | ELEVATION (feet) | PART | SHIPPING WEIGHT (LBS) |
|-----------------|---------|------------------|--------|-----------------------|
| B-R207AEN-C-#26 | Natural | 0-5000 | 017705 | 193 |
| B-R207AEN-C-#26 | Natural | 0-5000 | 017708 | 216 |
| B-R207AEN-C-#26 | Natural | 0-5000 | 017707 | 238 |
| B-R207AEN-C-#26 | Natural | 0-5000 | 017708 | 256 |

For Parts See page 63

Blue-White Industries, Ltd.
 Engineering and Technical Data

F-300 U-300 D-300
 Clamp-on Insertion Meters

Specifications:

Pipe Requirements: IPS not pipe size (ASTM-D-1785) Max. Pipe O.D. 1.5" (1.5" and 2" pipe size: 1% of rate flow rate); 1.5" IPS (1.5" and 2" pipe size: 1% of rate flow rate); 1.5" IPS (1.5" and 2" pipe size: 1% of rate flow rate).

Materials of Construction:

Installation Requirements:

Minimum Straight Pipe Length Requirements

Mounting location:

- The meter is designed to be installed in a vertical pipe.
- U.S. Gage Series meters are not required on vertical pipe only.
- The pipe must be completely full of water at all times.
- Use the minimum straight length requirements chart above.
- The meter can accurately measure flow in any direction only.
- Excess meters measure downward flow only.
- Excess meters measure downward flow only.

Blue-White Industries, Ltd.
 Engineering and Technical Data

F-300 U-300 D-300
 Clamp-on Insertion Meters

Dimensions:

Flow Stream Requirements:

Low velocity fluids with a specific gravity of 1.0.

Model Number Matrix:

Pipe Size, Flow Range and Display Model Options:

Models for Mounting on Horizontal Pipe:

| Pipe Size | Flow Range | Display Model | Water Meter |
|-----------|------------|---------------|-------------|
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |

Models for Mounting on Vertical Pipe:

| Pipe Size | Flow Range | Display Model | Water Meter |
|-----------|------------|---------------|-------------|
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |
| 1.5" - 2" | 0.1 - 2.0 | F-200P | F-200P |

Jandy

Levolor[®]
 Electronic Water Leveling Systems

Simple, Reliable & Completely Automatic

Levolor[®] water leveling systems electronically maintain water levels in pools, spas, fountains and ponds. It can be used anywhere a constant level of water is needed to maintain a beautiful appearance and protect equipment, especially Vanishing Edge designs. Easily installed on new or existing pools and spas, the Levolor system does not require structural modifications for installation. The solid state electronic controls have no moving parts to wear out or rust.

Add Backyard Convenience to Your Carefree Environment

EASILY MAINTAIN WATER LEVEL

SOBUSTICATED ELECTRONICS

SIMPLE INSTALLATION: RETROFIT OR NEW

PROTECT EQUIPMENT & APPEARANCE

ALL JANDY PRODUCTS WORK SEAMLESSLY TOGETHER.
 Jandy Control Systems manage our complete line of technologically advanced products.

Jandy
 Pumps • Filters • Heaters • Heat Pumps
 Controls • Lights • Water Purification • Valves
 Water Features • Water Leveling • Cleaners • Accessories
 1.707.776.8200 • www.jandy.com • ©2009 Jandy Pool Products, Inc.

Accurate Water Leveling Technology for any Application

Jandy's Levolor water leveling technology allows more time to enjoy your pool and spa while providing a higher level assurance that your equipment is protected and your water level is always correct. Gone are the days of manually filling your pool or spa with the garden hose.

COMPLETELY ELECTRONIC - NO MOVING PARTS

Modern pool and spa designs require modern electronics to maintain hydraulic integrity, protect equipment, and to simply keep your beautiful equipment flowing as it was designed. Unfortunately, evaporation and splashing are a natural part of the pool and spa environment. Levolor addresses the concern of lost water with an elegant solution - a completely electronic system with no moving parts to wear out or rust. With the unique time-out feature, Levolor is guaranteed to never overflow.

EASY INSTALLATION

Installation is quick and easy and can be performed with no modifications to the pool surface or structure since Levolor needs no extra in-deck canisters or underdeck pressurized lines. The sensors can be located in either a skimmer throat, behind the door door or on a static pipe - wherever a constant level of water can be measured. For convenience, sensor wires include both skimmer and static pipe sensors. Electronics are contained in a waterproof, wall mounted unit built for an outdoor environment. Everything is easily wired through 1/2" conduit connections. The easy-to-read LED display effectively communicates the status, if you ever need to check the system at all.

A MODEL FOR ANY APPLICATION

With models for pool, spa, dual equipment, fountains and Vanishing Edge catch basins, we have an ideal water leveling solution for your unique design. Most designs will benefit from our basic fill models, such as the K-1100 or LX2. For two separate bodies of water, the K-2300 provides everything you need, and the K-2000 is ideal for Vanishing Edge, perimeter overflow designs where high and low level sensing is needed, and activates a pump. The K-2100 is for ponds with a low level cut-off that turns off a pump or light.

Specifications:

- Web-based remote monitoring & programming
- Optional wireless internet access
- PH or ORP set level 7.0 - 8.0
- ORP set level 400-900
- Default high/low alert settings
- Releaser - LED with digital display
- Alarm - LED alert display
- Push button overfeed adjustment
- Push button high/low alert adjustment
- Close Rate - timed or continuous
- External visual and audible alarm is an available option

IPS-M920^{CA}

Automated pH and Dual ORP Controller with PPM Display and Online Monitoring

Application: Complies with California Health Department Requirements to meet Title 20XII

For installations where health departments require daily logs of FAC (PPM) & pH (requires Internet connection), the M920™ will provide reports from the controller system.

Maintain consistent pH and sanitizer levels through out the day, assuring the chemicals are balanced and the water is clean and clear. Automatically monitor, adjust and dispense the correct amount of chemicals based on user demand.

Check in on activity using your smart phone or tablet. Web-based programming, monitoring, multiple email and testing options for alert notification are built into the M920™, with optional wireless internet access.

Perfect for pools, spas and water features of all sizes, anywhere—hotels, condominiums, aquatic centers, schools, public facilities, homes and more. Quick and simple to operate, easy installation right out of the box and system set up takes just minutes. It's rare, but if technical support is needed, we are just a phone call away.

Specifications:

- Uses advanced algorithm to calculate FAC (PPM)
- Stores and displays CYA levels
- Electrical Input/Output 110 VAC
- Electrical Output 110V, 230V, & Dry Contact
- Delay time - 1-60 minutes
- Tank level inputs - 2
- System pre-mounted on 24"x24" high density back panel
- Compatible with all sanitizing methods
- Can be used with Muriatic Acid or OCL
- Chemical pump option
- Gold-tipped ORP probe for salt pools
- Dual ORP, for secondary sanitizer or backup for liquid systems
- Lock-out feature
- Temperature monitoring and display
- Accessories available
- NSF Certified for the highest level of code compliance
- 5-year limited warranty; Made in the USA

IPS-M920^{CA} Data Sheet Created 4/17

Need a custom product or more information? Email or Call 877-653-6903.

www.ipcontrollers.com Phone: 877-693-6903
 Email: info@ipcontrollers.com Fax: 951-493-3224
 26111 Tree Road, Suite D-4, Temecula, CA 92591

IPS Controllers

ANSI/ASME A112-19.8, 2007, 2008 addenda and VGB 2008 Compliance available drains

| Part # | Part Description | Picture | Specification | Size | Date over opening in in | Certifications |
|------------|---|---------|---|-------|-------------------------|----------------|
| 1008XXXX | Main drain sump with AFB 84 (1006A) VGB, white, black, light gray, tan | | 7.375" dia. Max. flow rate: floor 86 GPM 2.21 @ 1.5" P.S.I. | 12.48 | VGB 2008 | NEED A |
| 1009XXXX | Main drain sump with AFB 84 (1006A) VGB floor glass/Vinyl liner | | 7.375" dia. Max. flow rate: floor 86 GPM 2.21 @ 1.5" P.S.I. | 12.48 | VGB 2008 | NEED A |
| 1006XXXX | Ring and Certified cover AFB 84 (1006A) VGB white, black, light gray, tan | | 7.375" dia. Max. flow rate: floor 86 GPM 2.21 @ 1.5" P.S.I. | 12.48 | VGB 2008 | NEED A |
| 1004XXXX | Certified drain cover AFB 84 (1006A) VGB white, black, light gray, tan | | 7.375" dia. Max. flow rate: floor 86 GPM 2.21 @ 1.5" P.S.I. | 12.48 | VGB 2008 | NEED A |
| 1008A4XXXX | High capacity ring and cover 11.125" dia. AFB 64 (1006A) VGB black, light gray, tan | | 11.125" dia. Max. flow rate: floor 188 GPM 2.21 @ 1.5" P.S.I. | 25.80 | VGB 2008 | NEED A |
| 1004A4XXXX | High capacity plate and cover 11.125" dia. AFB 64 (1006A) VGB black, light gray, tan | | 11.125" dia. Max. flow rate: floor 188 GPM 2.21 @ 1.5" P.S.I. | 25.80 | VGB 2008 | NEED A |
| 1004A4XXXX | High capacity plate and cover 11.125" dia. AFB 64 (1006A) VGB white, black, light gray, tan | | 11.125" dia. Max. flow rate: floor 188 GPM 2.21 @ 1.5" P.S.I. | 25.80 | VGB 2008 | NEED A |
| 1006A4XXXX | 12"x12" Ring/Plate with AFB 84 (1006A) VGB Certified drain cover | | 12"x12" equiv. Max. flow rate: floor 188 GPM 2.21 @ 1.5" P.S.I. | 25.80 | VGB 2008 | NEED A |
| 1004A4XXXX | 12"x12" Frame with Ring/Plate, AFB 84 (1006A) VGB Certified drain cover | | 12"x12" equiv. Max. flow rate: floor 188 GPM 2.21 @ 1.5" P.S.I. | 25.80 | VGB 2008 | NEED A |

Drawn: SM
 Checked: AT
 Project Number: 22-564
 Date: 03/16/23
 Sheet Title: PRODUCT SPECIFICATION CUT SHEETS

Aquatic TECHNOLOGIES

POOL • SPAS • WATER FEATURES
 WWW.AQUATICTECHNOLOGIES.COM

32323 PASEO ADELANTO, SUITE A
 SAN JUAN CAPISTRANO, CA 92675
 PH: 949/493-8548 FX: 949/493-8495
 LICENSE# 744177 C53 A & B

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HART BROTHERS CONSTRUCTION, INC.
 DBA AQUATIC TECHNOLOGIES

LICENSE # 744177 C53 A & B
 EXPIRES: 12-31-2023

Signature: [Signature]
 Date: _____

PROJECT NAME:
COTA VERA SWIM CLUB
 2168 AVENIDA CAPRISE
 CHULA VISTA, CA 91913

| No. | Date | Revision |
|-----|------|----------|
| | | |
| | | |
| | | |

OWNERS NAME:
HOMEFED CORPORATION
 1903 WRIGHT PLACE, SUITE 220
 CARLSBAD, CA 92008
 PHONE: _____
 FAX: _____

Drawn: SM
 Checked: AT
 Project Number: 22-564
 Date: 03/16/23
 Sheet Title: PRODUCT SPECIFICATION CUT SHEETS

SP-601

PRE-PLUMBED VALVES
BACKWASH VALVES FOR 1-1/2" & 2" IN. D.E. AND SAND FILTERS

ORDERING INFORMATION

| Product | Description | Carton Qty. | Carton Wt. (Lbs.) |
|---------|---|-------------|-------------------|
| 241054 | 2 in. MPV for Tron & Quad D.E. Filters (24-28 3/16" D.E. Cartridge) | 1 | 4.5 |
| 241055 | 2 in. MPV for FMS, FMS Plus & NSF Filters (24-28 3/16" D.E. Cartridge) | 1 | 4.5 |
| 241056 | 1 1/2 in. MPV for Tron & Quad D.E. Filters (18-21 1/2" D.E. Cartridge) | 1 | 4 |
| 241057 | 1 1/2 in. MPV for FMS, FMS Plus & NSF Filters (18-21 1/2" D.E. Cartridge) | 1 | 4 |

- Key Features:**
- PVC body
 - The right valve for easy operation
 - Six-position, positive-lock operation
 - Special winterizing position

ORDERING INFORMATION

| Product | Description | Carton Qty. | Carton Wt. (Lbs.) |
|---------|---|-------------|-------------------|
| 241054 | 2 in. MPV for Tron & Quad D.E. Filters (24-28 3/16" D.E. Cartridge) | 1 | 4.5 |
| 241055 | 2 in. MPV for FMS, FMS Plus & NSF Filters (24-28 3/16" D.E. Cartridge) | 1 | 4.5 |
| 241056 | 1 1/2 in. MPV for Tron & Quad D.E. Filters (18-21 1/2" D.E. Cartridge) | 1 | 4 |
| 241057 | 1 1/2 in. MPV for FMS, FMS Plus & NSF Filters (18-21 1/2" D.E. Cartridge) | 1 | 4 |

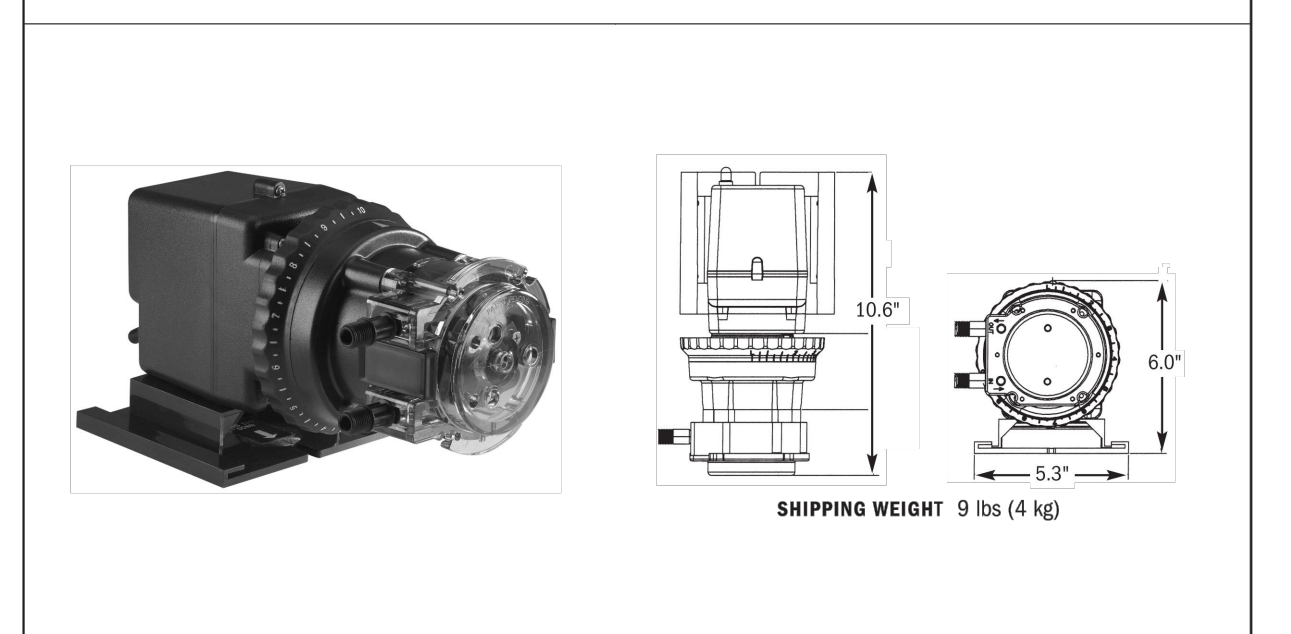


See page 580, 583-585 for replacement parts.

Fittings / Return Fittings

| Part No. | Description | Color | Carton Qty. | Carton Wt. (Lbs.) |
|----------|--|-----------|-------------|-------------------|
| 400-9100 | 1/2" Return Fitting (Socket) 1/2" Socket | White | 100 | 5.72 |
| 400-9101 | 1/2" Return Fitting (Flange) 1/2" Socket | Black | 100 | 5.72 |
| 400-9102 | 1/2" Return Fitting (Flange) 1/2" Socket | Grey | 100 | 5.72 |
| 400-9103 | 1/2" Return Fitting (Flange) 1/2" Socket | Dark Grey | 100 | 5.72 |
| 400-9104 | 1/2" Return Fitting (Flange) 1/2" Socket | White | 250 | 14.27 |
| 400-9105 | 1/2" Return Fitting (Flange) 1/2" Socket | Black | 250 | 14.27 |
| 400-9106 | 1/2" Return Fitting (Flange) 1/2" Socket | Grey | 250 | 14.27 |
| 400-9107 | 1/2" Return Fitting (Flange) 1/2" Socket | Dark Grey | 250 | 14.27 |

CLASSIC - SINGLE HEAD ADJUSTABLE SPECIFICATIONS STENNER PUMPS



FEATURES:

- 3-point roller design assists in anti-grip protection
- Pump handle requires no valves, allows for easy maintenance
- Self priming against maximum working pressure, foot valve not required
- Pump does not leak from pipe or valve
- Pumps off gassing solutions and can run dry
- Output volume is not affected by back pressure
- Injection check valve included with models rated 100 psi (6.9 bar) maximum
- Easy to change pump tube; lubrication is not required
- Pump tubes and pumps handle interface between models
- Models (Santoprene) only tested by Water Quality Association to conform to ANSI/NSF Std 61
- Adjustable models (Santoprene) only tested by ETL to conform to ANSI/NSF Std 50

CLASSIC - SINGLE HEAD ADJUSTABLE SPECIFICATIONS STENNER PUMPS

OUTPUT CONTROL: Adjustable models only, external dial ring adjustment from 5%-100% in 2.5% increments

MAXIMUM WORKING PRESSURE: 100 psi (6.9 bar) 45MP2, 45MP3, 45MP4, 45MP5, 45MP6, 45MP7, 45MP8, 45MP9, 45MP10, 45MP11, 45MP12, 45MP13, 45MP14, 45MP15, 45MP16, 45MP17, 45MP18, 45MP19, 45MP20, 45MP21, 45MP22, 45MP23, 45MP24, 45MP25, 45MP26, 45MP27, 45MP28, 45MP29, 45MP30, 45MP31, 45MP32, 45MP33, 45MP34, 45MP35, 45MP36, 45MP37, 45MP38, 45MP39, 45MP40, 45MP41, 45MP42, 45MP43, 45MP44, 45MP45, 45MP46, 45MP47, 45MP48, 45MP49, 45MP50, 45MP51, 45MP52, 45MP53, 45MP54, 45MP55, 45MP56, 45MP57, 45MP58, 45MP59, 45MP60, 45MP61, 45MP62, 45MP63, 45MP64, 45MP65, 45MP66, 45MP67, 45MP68, 45MP69, 45MP70, 45MP71, 45MP72, 45MP73, 45MP74, 45MP75, 45MP76, 45MP77, 45MP78, 45MP79, 45MP80, 45MP81, 45MP82, 45MP83, 45MP84, 45MP85, 45MP86, 45MP87, 45MP88, 45MP89, 45MP90, 45MP91, 45MP92, 45MP93, 45MP94, 45MP95, 45MP96, 45MP97, 45MP98, 45MP99, 45MP100

MAXIMUM OPERATING TEMPERATURE: 125° F (52° C)

APPROXIMATE GEAR MOTOR RPM: 26

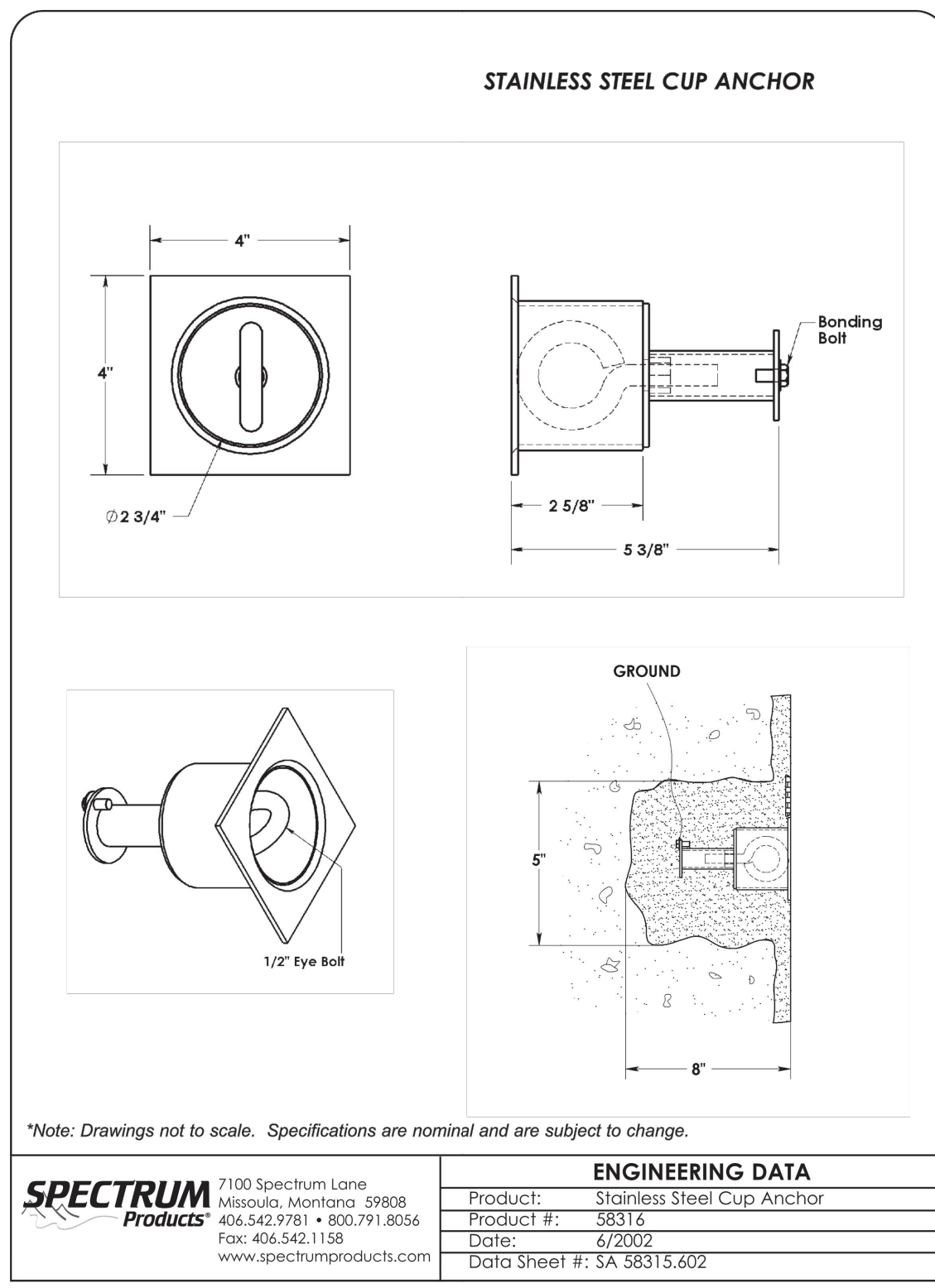
DIY CYCLE: Continuous

MOTOR VOLTAGE (AMP DRAW): 120V 60Hz 1PH (1.7) 220V 60Hz 1PH (0.8) 230V 50Hz 1PH (0.8) International 250V 50Hz 1PH (0.8) International

POWER CORD TYPE: SJTW

45 Series - Adjustable Output Pump

| Flow Rate (GPM) | Pressure (PSI) | Approximate Output @ 60Hz | Approximate Output @ 50Hz |
|-----------------|-------------------|---------------------------|---------------------------|
| 45000 | 100 psi (6.9 bar) | 1.0 | 0.8 |
| 45001 | 100 psi (6.9 bar) | 1.1 | 0.9 |
| 45002 | 100 psi (6.9 bar) | 1.2 | 1.0 |
| 45003 | 100 psi (6.9 bar) | 1.3 | 1.1 |
| 45004 | 100 psi (6.9 bar) | 1.4 | 1.2 |
| 45005 | 100 psi (6.9 bar) | 1.5 | 1.3 |
| 45006 | 100 psi (6.9 bar) | 1.6 | 1.4 |
| 45007 | 100 psi (6.9 bar) | 1.7 | 1.5 |
| 45008 | 100 psi (6.9 bar) | 1.8 | 1.6 |
| 45009 | 100 psi (6.9 bar) | 1.9 | 1.7 |
| 45010 | 100 psi (6.9 bar) | 2.0 | 1.8 |
| 45011 | 100 psi (6.9 bar) | 2.1 | 1.9 |
| 45012 | 100 psi (6.9 bar) | 2.2 | 2.0 |
| 45013 | 100 psi (6.9 bar) | 2.3 | 2.1 |
| 45014 | 100 psi (6.9 bar) | 2.4 | 2.2 |
| 45015 | 100 psi (6.9 bar) | 2.5 | 2.3 |
| 45016 | 100 psi (6.9 bar) | 2.6 | 2.4 |
| 45017 | 100 psi (6.9 bar) | 2.7 | 2.5 |
| 45018 | 100 psi (6.9 bar) | 2.8 | 2.6 |
| 45019 | 100 psi (6.9 bar) | 2.9 | 2.7 |
| 45020 | 100 psi (6.9 bar) | 3.0 | 2.8 |
| 45021 | 100 psi (6.9 bar) | 3.1 | 2.9 |
| 45022 | 100 psi (6.9 bar) | 3.2 | 3.0 |
| 45023 | 100 psi (6.9 bar) | 3.3 | 3.1 |
| 45024 | 100 psi (6.9 bar) | 3.4 | 3.2 |
| 45025 | 100 psi (6.9 bar) | 3.5 | 3.3 |
| 45026 | 100 psi (6.9 bar) | 3.6 | 3.4 |
| 45027 | 100 psi (6.9 bar) | 3.7 | 3.5 |
| 45028 | 100 psi (6.9 bar) | 3.8 | 3.6 |
| 45029 | 100 psi (6.9 bar) | 3.9 | 3.7 |
| 45030 | 100 psi (6.9 bar) | 4.0 | 3.8 |
| 45031 | 100 psi (6.9 bar) | 4.1 | 3.9 |
| 45032 | 100 psi (6.9 bar) | 4.2 | 4.0 |
| 45033 | 100 psi (6.9 bar) | 4.3 | 4.1 |
| 45034 | 100 psi (6.9 bar) | 4.4 | 4.2 |
| 45035 | 100 psi (6.9 bar) | 4.5 | 4.3 |
| 45036 | 100 psi (6.9 bar) | 4.6 | 4.4 |
| 45037 | 100 psi (6.9 bar) | 4.7 | 4.5 |
| 45038 | 100 psi (6.9 bar) | 4.8 | 4.6 |
| 45039 | 100 psi (6.9 bar) | 4.9 | 4.7 |
| 45040 | 100 psi (6.9 bar) | 5.0 | 4.8 |
| 45041 | 100 psi (6.9 bar) | 5.1 | 4.9 |
| 45042 | 100 psi (6.9 bar) | 5.2 | 5.0 |
| 45043 | 100 psi (6.9 bar) | 5.3 | 5.1 |
| 45044 | 100 psi (6.9 bar) | 5.4 | 5.2 |
| 45045 | 100 psi (6.9 bar) | 5.5 | 5.3 |
| 45046 | 100 psi (6.9 bar) | 5.6 | 5.4 |
| 45047 | 100 psi (6.9 bar) | 5.7 | 5.5 |
| 45048 | 100 psi (6.9 bar) | 5.8 | 5.6 |
| 45049 | 100 psi (6.9 bar) | 5.9 | 5.7 |
| 45050 | 100 psi (6.9 bar) | 6.0 | 5.8 |
| 45051 | 100 psi (6.9 bar) | 6.1 | 5.9 |
| 45052 | 100 psi (6.9 bar) | 6.2 | 6.0 |
| 45053 | 100 psi (6.9 bar) | 6.3 | 6.1 |
| 45054 | 100 psi (6.9 bar) | 6.4 | 6.2 |
| 45055 | 100 psi (6.9 bar) | 6.5 | 6.3 |
| 45056 | 100 psi (6.9 bar) | 6.6 | 6.4 |
| 45057 | 100 psi (6.9 bar) | 6.7 | 6.5 |
| 45058 | 100 psi (6.9 bar) | 6.8 | 6.6 |
| 45059 | 100 psi (6.9 bar) | 6.9 | 6.7 |
| 45060 | 100 psi (6.9 bar) | 7.0 | 6.8 |
| 45061 | 100 psi (6.9 bar) | 7.1 | 6.9 |
| 45062 | 100 psi (6.9 bar) | 7.2 | 7.0 |
| 45063 | 100 psi (6.9 bar) | 7.3 | 7.1 |
| 45064 | 100 psi (6.9 bar) | 7.4 | 7.2 |
| 45065 | 100 psi (6.9 bar) | 7.5 | 7.3 |
| 45066 | 100 psi (6.9 bar) | 7.6 | 7.4 |
| 45067 | 100 psi (6.9 bar) | 7.7 | 7.5 |
| 45068 | 100 psi (6.9 bar) | 7.8 | 7.6 |
| 45069 | 100 psi (6.9 bar) | 7.9 | 7.7 |
| 45070 | 100 psi (6.9 bar) | 8.0 | 7.8 |
| 45071 | 100 psi (6.9 bar) | 8.1 | 7.9 |
| 45072 | 100 psi (6.9 bar) | 8.2 | 8.0 |
| 45073 | 100 psi (6.9 bar) | 8.3 | 8.1 |
| 45074 | 100 psi (6.9 bar) | 8.4 | 8.2 |
| 45075 | 100 psi (6.9 bar) | 8.5 | 8.3 |
| 45076 | 100 psi (6.9 bar) | 8.6 | 8.4 |
| 45077 | 100 psi (6.9 bar) | 8.7 | 8.5 |
| 45078 | 100 psi (6.9 bar) | 8.8 | 8.6 |
| 45079 | 100 psi (6.9 bar) | 8.9 | 8.7 |
| 45080 | 100 psi (6.9 bar) | 9.0 | 8.8 |
| 45081 | 100 psi (6.9 bar) | 9.1 | 8.9 |
| 45082 | 100 psi (6.9 bar) | 9.2 | 9.0 |
| 45083 | 100 psi (6.9 bar) | 9.3 | 9.1 |
| 45084 | 100 psi (6.9 bar) | 9.4 | 9.2 |
| 45085 | 100 psi (6.9 bar) | 9.5 | 9.3 |
| 45086 | 100 psi (6.9 bar) | 9.6 | 9.4 |
| 45087 | 100 psi (6.9 bar) | 9.7 | 9.5 |
| 45088 | 100 psi (6.9 bar) | 9.8 | 9.6 |
| 45089 | 100 psi (6.9 bar) | 9.9 | 9.7 |
| 45090 | 100 psi (6.9 bar) | 10.0 | 9.8 |
| 45091 | 100 psi (6.9 bar) | 10.1 | 9.9 |
| 45092 | 100 psi (6.9 bar) | 10.2 | 10.0 |
| 45093 | 100 psi (6.9 bar) | 10.3 | 10.1 |
| 45094 | 100 psi (6.9 bar) | 10.4 | 10.2 |
| 45095 | 100 psi (6.9 bar) | 10.5 | 10.3 |
| 45096 | 100 psi (6.9 bar) | 10.6 | 10.4 |
| 45097 | 100 psi (6.9 bar) | 10.7 | 10.5 |
| 45098 | 100 psi (6.9 bar) | 10.8 | 10.6 |
| 45099 | 100 psi (6.9 bar) | 10.9 | 10.7 |
| 45100 | 100 psi (6.9 bar) | 11.0 | 10.8 |
| 45101 | 100 psi (6.9 bar) | 11.1 | 10.9 |
| 45102 | 100 psi (6.9 bar) | 11.2 | 11.0 |
| 45103 | 100 psi (6.9 bar) | 11.3 | 11.1 |
| 45104 | 100 psi (6.9 bar) | 11.4 | 11.2 |
| 45105 | 100 psi (6.9 bar) | 11.5 | 11.3 |
| 45106 | 100 psi (6.9 bar) | 11.6 | 11.4 |
| 45107 | 100 psi (6.9 bar) | 11.7 | 11.5 |
| 45108 | 100 psi (6.9 bar) | 11.8 | 11.6 |
| 45109 | 100 psi (6.9 bar) | 11.9 | 11.7 |
| 45110 | 100 psi (6.9 bar) | 12.0 | 11.8 |
| 45111 | 100 psi (6.9 bar) | 12.1 | 11.9 |
| 45112 | 100 psi (6.9 bar) | 12.2 | 12.0 |
| 45113 | 100 psi (6.9 bar) | 12.3 | 12.1 |
| 45114 | 100 psi (6.9 bar) | 12.4 | 12.2 |
| 45115 | 100 psi (6.9 bar) | 12.5 | 12.3 |
| 45116 | 100 psi (6.9 bar) | 12.6 | 12.4 |
| 45117 | 100 psi (6.9 bar) | 12.7 | 12.5 |
| 45118 | 100 psi (6.9 bar) | 12.8 | 12.6 |
| 45119 | 100 psi (6.9 bar) | 12.9 | 12.7 |
| 45120 | 100 psi (6.9 bar) | 13.0 | 12.8 |
| 45121 | 100 psi (6.9 bar) | 13.1 | 12.9 |
| 45122 | 100 psi (6.9 bar) | 13.2 | 13.0 |
| 45123 | 100 psi (6.9 bar) | 13.3 | 13.1 |
| 45124 | 100 psi (6.9 bar) | 13.4 | 13.2 |
| 45125 | 100 psi (6.9 bar) | 13.5 | 13.3 |
| 45126 | 100 psi (6.9 bar) | 13.6 | 13.4 |
| 45127 | 100 psi (6.9 bar) | 13.7 | 13.5 |
| 45128 | 100 psi (6.9 bar) | 13.8 | 13.6 |
| 45129 | 100 psi (6.9 bar) | 13.9 | 13.7 |
| 45130 | 100 psi (6.9 bar) | 14.0 | 13.8 |
| 45131 | 100 psi (6.9 bar) | 14.1 | 13.9 |
| 45132 | 100 psi (6.9 bar) | 14.2 | 14.0 |
| 45133 | 100 psi (6.9 bar) | 14.3 | 14.1 |
| 45134 | 100 psi (6.9 bar) | 14.4 | 14.2 |
| 45135 | 100 psi (6.9 bar) | 14.5 | 14.3 |
| 45136 | 100 psi (6.9 bar) | 14.6 | 14.4 |
| 45137 | 100 psi (6.9 bar) | 14.7 | 14.5 |
| 45138 | 100 psi (6.9 bar) | 14.8 | 14.6 |
| 45139 | 100 psi (6.9 bar) | 14.9 | 14.7 |
| 45140 | 100 psi (6.9 bar) | 15.0 | 14.8 |
| 45141 | 100 psi (6.9 bar) | 15.1 | 14.9 |
| 45142 | 100 psi (6.9 bar) | 15.2 | 15.0 |
| 45143 | 100 psi (6.9 bar) | 15.3 | 15.1 |
| 45144 | 100 psi (6.9 bar) | 15.4 | 15.2 |
| 45145 | 100 psi (6.9 bar) | 15.5 | 15.3 |
| 45146 | 100 psi (6.9 bar) | 15.6 | 15.4 |
| 45147 | 100 psi (6.9 bar) | 15.7 | 15.5 |
| 45148 | 100 psi (6.9 bar) | 15.8 | 15.6 |
| 45149 | 100 psi (6.9 bar) | 15.9 | 15.7 |
| 45150 | 100 psi (6.9 bar) | 16.0 | 15.8 |
| 45151 | 100 psi (6.9 bar) | 16.1 | 15.9 |
| 45152 | 100 psi (6.9 bar) | 16.2 | 16.0 |
| 45153 | 100 psi (6.9 bar) | 16.3 | 16.1 |
| 45154 | 100 psi (6.9 bar) | 16.4 | 16.2 |
| 45155 | 100 psi (6.9 bar) | 16.5 | 16.3 |
| 45156 | 100 psi (6.9 bar) | 16.6 | 16.4 |
| 45157 | 100 psi (6.9 bar) | 16.7 | 16.5 |
| 45158 | 100 psi (6.9 bar) | 16.8 | 16.6 |
| 45159 | 100 psi (6.9 bar) | 16.9 | 16.7 |
| 45160 | 100 psi (6.9 bar) | 17.0 | 16.8 |
| 45161 | 100 psi (6.9 bar) | 17.1 | 16.9 |
| 45162 | 100 psi (6.9 bar) | 17.2 | 17.0 |
| 45163 | 100 psi (6.9 bar) | 17.3 | 17.1 |
| 45164 | 100 psi (6.9 bar) | 17.4 | 17.2 |
| 45165 | 100 psi (6.9 bar) | 17.5 | 17.3 |
| 45166 | 100 psi (6.9 bar) | 17.6 | 17.4 |
| 45167 | 100 psi (6.9 bar) | 17.7 | 17.5 |
| 45168 | 100 psi (6.9 bar) | 17.8 | 17.6 |
| 45169 | 100 psi (6.9 bar) | 17.9 | 17.7 |
| 45170 | 100 psi (6.9 bar) | 18.0 | 17.8 |
| 45171 | 100 psi (6.9 bar) | 18.1 | 17.9 |
| 45172 | 100 psi (6.9 bar) | 18.2 | 18.0 |
| 45173 | 100 psi (6.9 bar) | 18.3 | 18.1 |
| 45174 | | | |



Stainless Steel Cup Anchor part number 58316-00

Anchor Body
 The stainless steel cup anchor shall be fabricated entirely of type 300 series stainless steel. The cup and flange portion of the anchor body shall be stamped or drawn for a single piece of material. The cup portion shall be 3" inside diameter with a depth of 2.5". The face flange shall be 4" square and shall fit flush with the finished pool wall. A standoff shall be provided which shall secure the eyebolt, support an anchoring flange and bonding screw attachment.

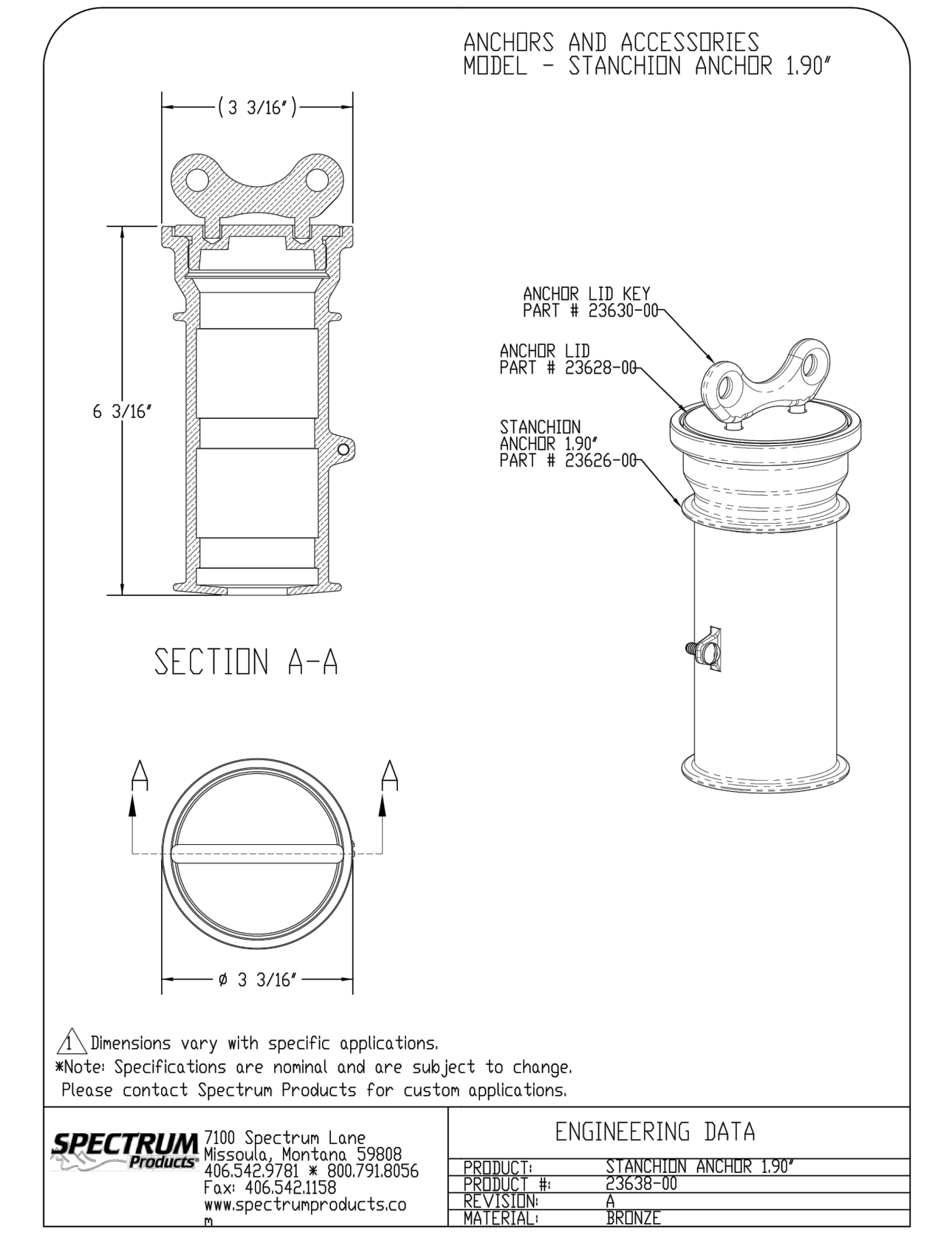
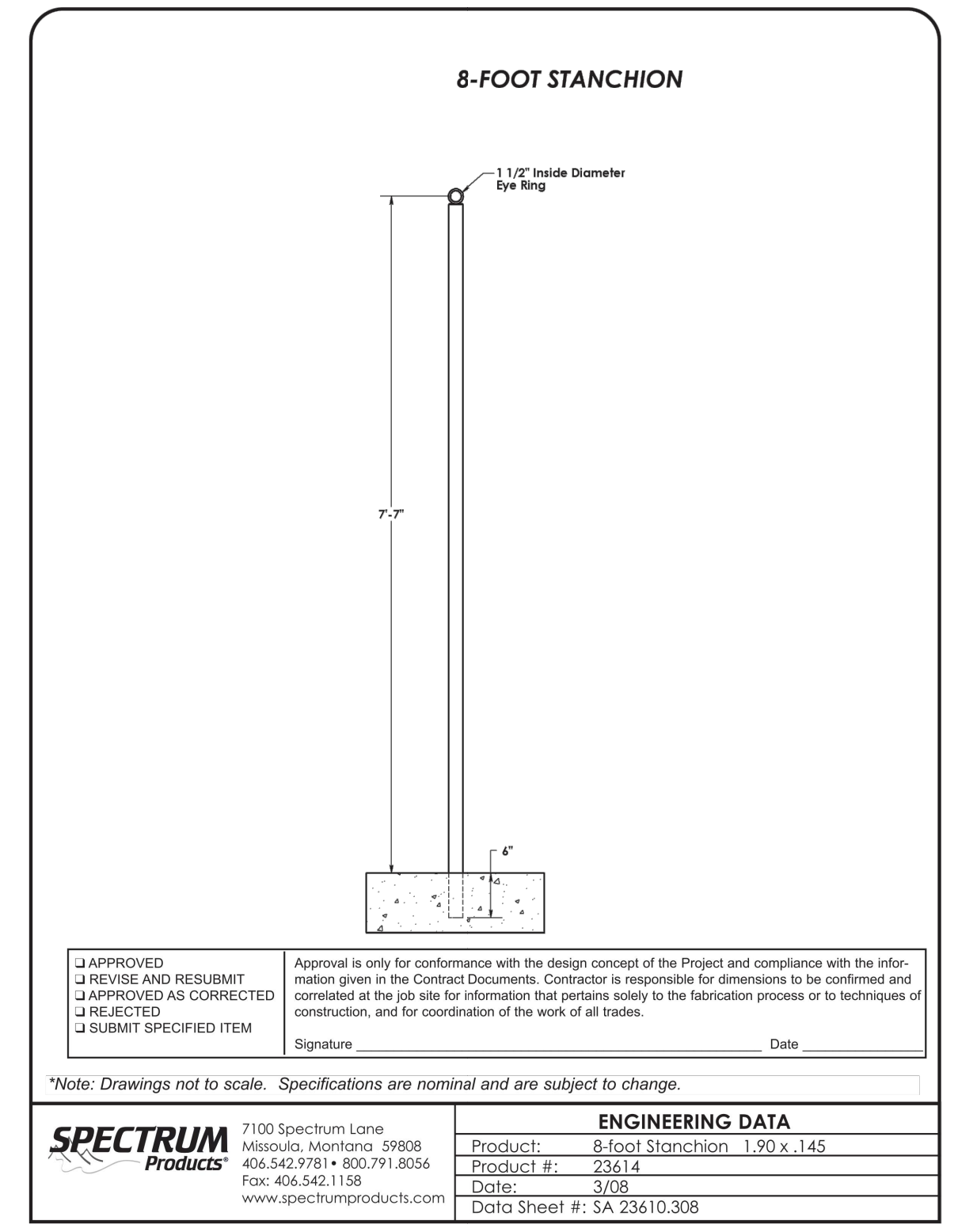
Welds
 All welds shall be the TIG type and shall be applied using type 300 series wetting rod to enhance corrosion resistance.

Anchor Bolt
 An eyebolt shall be provided. The eyebolt shall be 1/2" diameter stainless steel. The eyebolt, when installed, shall be flush with the flange face of the anchor body and provide for a 1" diameter eye opening. The eyebolt shall have a 0.50" threaded shank.

Bonding
 A bonding screw shall be provided. The bonding screw will be 1/2" diameter stainless steel. Minimum size of bonding screw shall be 0.24" diameter.

Warranty
 Two year limited warranty.

SPECTRUM PRODUCTS
 7100 Spectrum Lane - Missoula, Montana 59808
 800.761.8066 • 406.542.9781
 Fax: 406.542.1158
 www.spectrumproducts.com



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HART BROTHERS CONSTRUCTION, INC.
 DBA AQUATIC TECHNOLOGIES
 LICENSE # 744177 C53 A & B
 EXPIRES: 12-31-2023

A

B

Lane Line Extenders

Qty. 32 Eko3 EP-009-00020
 Vinyl coated lane line extension hooks, 23" in length

Eko3 Systems # EP-009-00020
 Vinyl Coated Lane Line Extension Hooks
 23" in length

KNORR SYSTEMS, INC.
 Aquatic Equipment Suppliers, Water Treatment Specialists
 2221 Standard Ave., Santa Ana, CA 92707 714.754-4041 / Fax: 714.754-1405

C

GLOBRITE POOL AND SPA LED LIGHTS

ADD THE MAGIC AND VIBRANCY OF WHITE LED LIGHTING

Color LED Lighting in a pool/spa provides a relaxing, soothing, and vibrant atmosphere. Globrite lights are the most efficient, most cost-effective way to illuminate and enhance pool features like Baja shelves, steps, beach entries and other water features.

An Eco Select® Brand Product
 Globrite lights have earned the Eco Select brand distinction as one of greenest and most efficient equipment choices from Pentair.

Concrete, vinyl and fiberglass niches available.

AVAILABLE FROM:
PENTAIR

1420 HAWKINS AVE., SANFORD, NC 27330 800.831.7133 WWW.PENTAIRPOOL.COM

D

THE BEST AND BRIGHTEST...

When you install Globrite® Pool and Spa Color LED Lighting in a pool/spa, you'll enjoy a relaxing, soothing, and vibrant atmosphere. Globrite lights are the most efficient, most cost-effective way to illuminate and enhance pool features like Baja shelves, steps, beach entries and other water features.

PRODUCT FEATURES:

- The brightest and most efficient LED lights available.
- 5 brilliant fixed colors, 7 gazing pre-programmed light shows.
- The perfect complement to IntelliBrite® by Color-Changing LED Pool Lighting for dynamic, synchronized colored light shows.
- UL Listed.

THE SIMPLICITY OF COMPATIBILITY
 The Globrite light is more than a stand-alone pool and spa LED light. It is fully compatible with our IntelliBrite by Color-Changing LED Pool Lighting. When used with an optional IntelliBrite Light Controller, pool and spa owners without an automation system can enjoy fun and easy control of their pool lighting.

For the ultimate in convenience and control, consider an IntelliTouch® or EasyTouch Control System. You can program and control light shows from home or on the go with our many systems, including an indoor control panel and wireless remote. For even greater control, add an optional ScreenLogic® interface to your Pentair automation system and access your pool from practically anywhere and at anytime using your smartphone, computer or mobile digital device.

E

Haws model 7260BT-7270BT
 AXION® MSR Wall Mount Eye/Face Wash

FEATURES & BENEFITS

QUALITY CONTROL
 Surface wash and valve assembly is pre-built and fully waterproof tested to ensure no leaks and proper function which ultimately reduces installation time and gives the end contractor an added peace of mind. Unit also fits with pre-engineered cast-aluminum wall bracket to assist in the installation process.

BOWL
 The 11" (279 mm) round green ABS plastic receptor is resistant to damage from debris.

TRAP
 1-1/2" IPS chrome-plated brass trap with tailpiece allow for the emergency equipment to meet desired requirements for wall-mounting.

STRAINERS/FILTERS
 Chrome-plated brass inline 80 x 30 mesh water strainer prevents debris from trapping the overflow to the unit. Also functioning as its best strainer is easy serviceable.

EYEWASH WASH
 AXION® MSR eye/face wash head (patent pending) uses an inverted directional laminar flow to gently disperse contaminants away from the vulnerable roof cavity.

OPTIONS

- Thermostatic Mixing Valve: Model 9201EW AXION® Emergency Temperature Valve. Thermodynamically mixes hot and cold water to provide a safe fluid supply for a single emergency eyewash wash, with a flow rate of 10 gpm (3.8 L).
- Drain Cover: Model 9102 is a stainless steel cover that protects the eyewash heads as well as the bowl. (Picture shows cover mounted to an eyewash.)
- Emergency Alarm System: Model 9001 S, 12V, 100 VAC emergency alarm and light system. Buzzer and flashing light are activated by 1/2" IPS double pole, double throw float switch.
- Splash Protection Bead Valve: Model SP187B, fully engineered splash protection valve.

APPLICATIONS
 Where the eyes of any person may be exposed to injurious or corrosive materials, suitable facilities for quick flushing and cleaning of the eyes must be provided within the work area or immediate emergency use. Emergency eyewash facilities shall be provided at each and every location that requires no more than 10 seconds for the injured person to reach, install 7260-7270BT is certified by CSA to meet the ANSI Z358.1 Standard for Emergency Eyewash and Shower Equipment.

For more information, visit www.hawsco.com or call (888) 640-4297.

F

Pouralid A-Lid Square Pouralid

Variety of uses:
 Universal Pool Skimmer Cover, Water Main, Valves, Waterfalls, Fountains and Sewer Cleanouts

Available in Frosted, Tan, Gray & White

STETSON DEVELOPMENT, INC.
 Pouralid is a product of Stetson Development, Inc.
 For further information call: (800) 532-8215
 Come visit our website at www.pouralid.com

F

Pouralid™

Part Number Description

32001 PHL Tan
 32002 PHL Gray
 32003 PHL Frosted

11" Square Pouralid Pool Skimmer Cover for New Construction
 Fits: Hayward 1070, Hayward 1080, Waterway, Sta-Rite, Swimming, US, Jazuzzi, American, Pentair/Pacfab

Part Number Description

3201 PHL Tan
 3202 PHL Gray
 3203 PHL Frosted
 3204 PHL White

10" Pouralid Pool Skimmer Cover for New Construction
 Fits: Hayward 1070, Hayward 1080, Waterway, Sta-Rite, Swimming, US, Jazuzzi, American, Pentair/Pacfab

Part Number Description

3205 PHL Tan
 3206 PHL Gray
 3207 PHL Frosted

9" Pouralid Replacement Lid for existing Pool Skimmer
 Fits: Hayward 1070, Waterway, Sta-Rite, US, MP Auto Fill

Part Number Description

3208 PHL Tan
 3209 PHL Gray
 3210 PHL Frosted

6" Pouralid Cover
 Fits: Play Equipment, Sewer Cleanouts, Valves, Water Main

Pouralid is a product of Stetson Development, Inc. Patent #6,393,771 B1
 For further information call: (800) 532-8215
 visit our website at www.pouralid.com

G

POOL SPECIALTY FITTINGS (CONT'D)

Ordering Information

| Product | Description | Carton Qty. | Carton Wt. (Lbs.) |
|---------------------------------|---|-------------|-------------------|
| FLOOR-INLET FITTINGS | | | |
| 8847-0000 | 2 in. Slip with 1-1/2 in. slip bushing, white* | 1 | 1 |
| 8847-0100 | 2 in. Slip with 1-1/2 in. slip bushing, grey* | 1 | 1 |
| 8847-0200 | 2 in. Slip with 1-1/2 in. slip bushing, black* | 1 | 1 |
| SPECIAL FITTINGS | | | |
| 4452000 | Aerator Cap, 1-1/2 in. for air channel, white | 50 | 13 |
| 4452005 | Aerator Cap, 1-1/2 in. for air channel, dark grey | 50 | 13 |
| 4452006 | Aerator Cap, 1-1/2 in. for air channel, grey | 50 | 13 |
| 510166 | Hook adapter, straight, white* | 50 | 3 |
| 8201300 | Aerator Insert Used as a return spray nozzle† | 10 | 1 |
| 8201301 | Slide Lock Nut Fitting | 1 | 0.26 |
| 0W9300 | Vac-part fitting, NSF listed | 1 | 0.50 |
| 8200500 | Vacuum or Winterizing plug with O-ring | 1 | 0.50 |
| VALVE COVERS | | | |
| 8200100 | Valve Lid & Ring, ABS, 6 in., white | 1 | 1 |
| 8200100 | Valve Lid & Ring, ABS, 6 in., beige | 1 | 1 |
| GRATE INSERTS | | | |
| 540056 | Grate insert, 1-1/2 in. MPF, white† | 50 | 2 |
| 540057 | Grate insert, 1-1/2 in. MPF, black† | 50 | 2 |
| 540058 | Grate insert, 1-1/2 in. MPF, dark grey† | 50 | 2 |
| ROPE ANCHORS & HOOKS | | | |
| 542044 | Anchor Cup with SS bar, white† | 100 | 24 |
| 542045 | Anchor Cup with SS bar, black† | 100 | 24 |
| 8201200 | Anchor Cup, ABS, white | 100 | 16 |
| 8201205 | Anchor Cup, ABS, dark grey | 100 | 16 |
| 8201300 | Anchor Cup, ABS with SS cross bar, white† | 100 | 16 |
| 8201400 | Rope Hook, 3/4 in., ABS | 100 | 16 |
| 542142 | Rope Hook for 3/4 in. rope with SS screws | 200 | 22 |
| STEPS | | | |
| 8201010 | ABS Steps, set of three, white | 1 | 3 |
| 8201000 | ABS Steps, set of three, grey | 1 | 3 |

* Not for use with saltwater pools.
 † Not for use as a suction fitting.
 ‡ Use only as a floor inlet fitting.
 § Not for NPT fittings.

H

PROJECT NAME:
COTA VERA SWIM CLUB
 2168 AVENIDA CAPRISE
 CHULA VISTA, CA 91913

OWNERS NAME:
HOMEFED CORPORATION
 1903 WRIGHT PLACE, SUITE 220
 CARLSBAD, CA 92008
 PHONE:
 FAX:

Drawn: SM
 Checked: AT
 Date: 03/16/23
 Project Number: 22-564
 Sheet Title: PRODUCT SPECIFICATION CUT SHEETS

SP-604

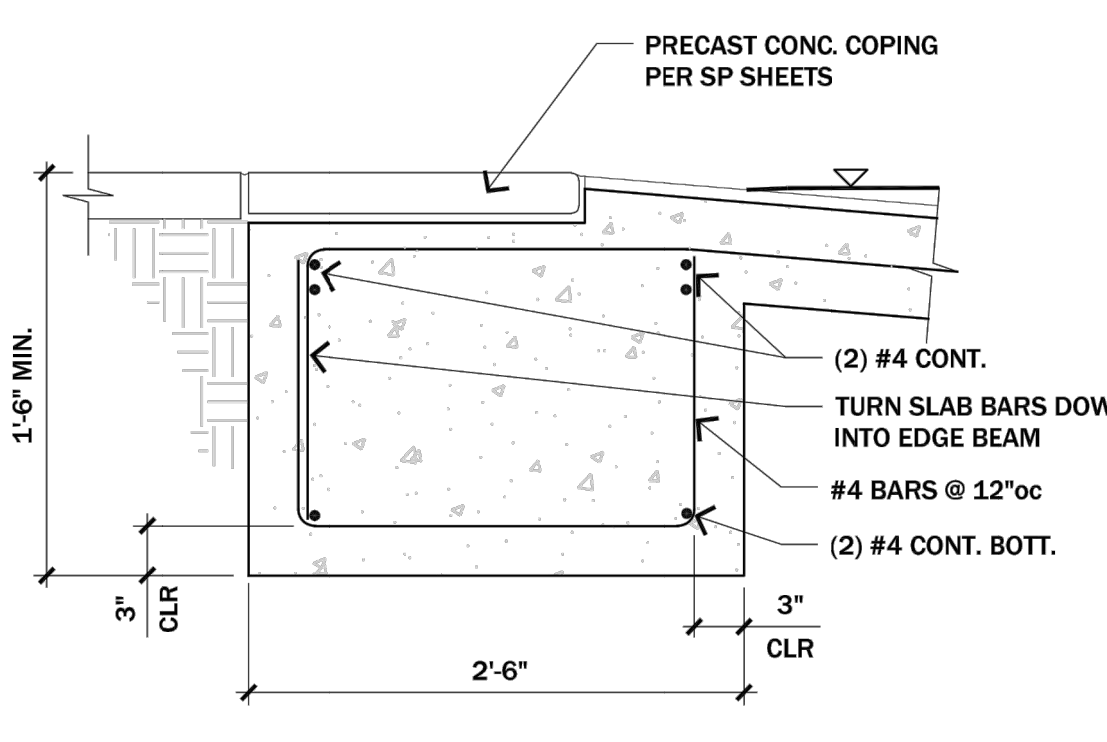
I

GENERAL

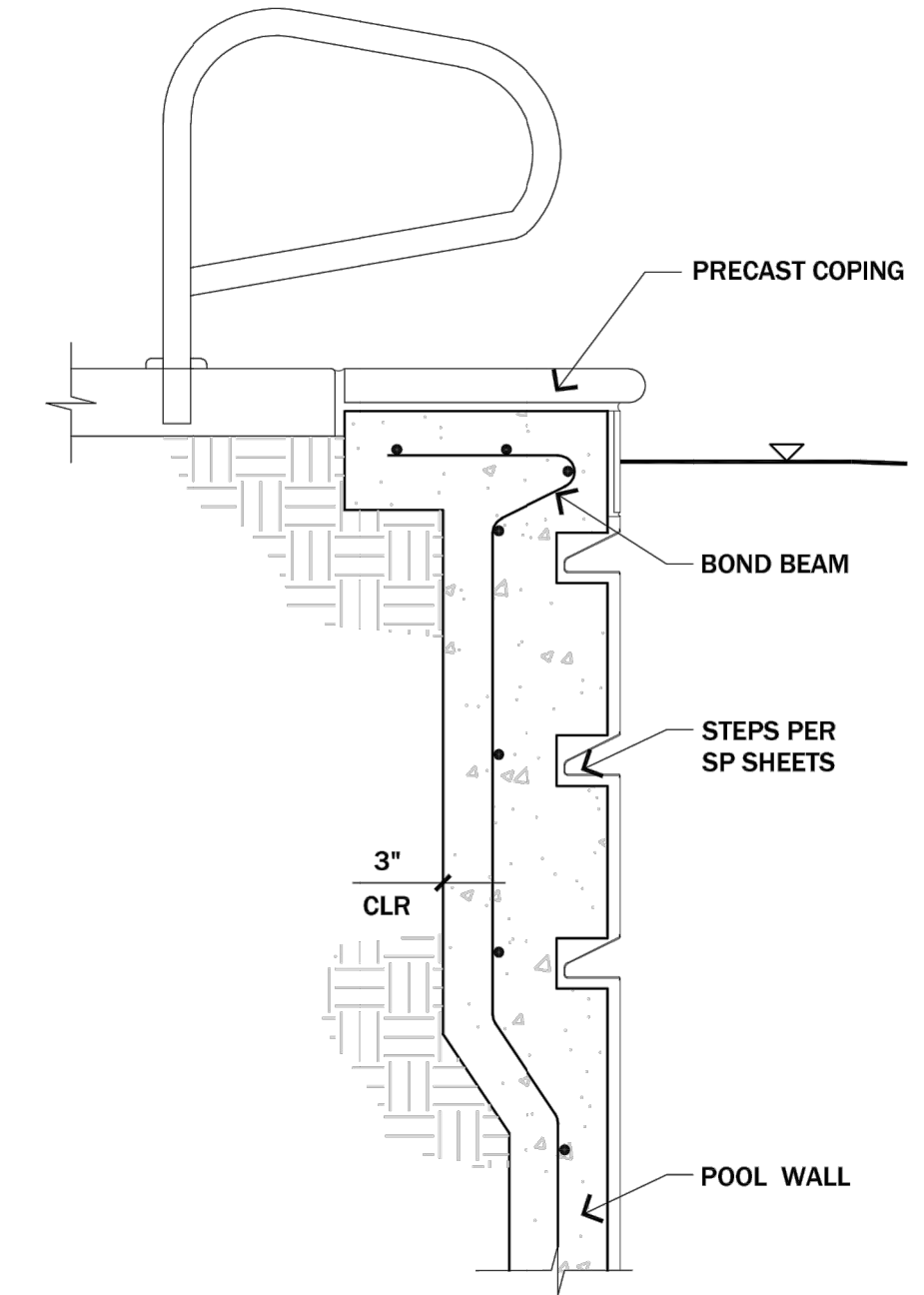
1. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS AT JOB SITE. THE ARCHITECT AND ENGINEER SHALL BE MADE AWARE OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. CONCRETE SHALL BE PLACED AGAINST NATURAL SOIL OR MINIMUM 90% COMPACTED FILL APPROVED BY THE PROJECT SOIL ENGINEER. SOIL SHALL HAVE A MINIMUM BEARING VALUE OF 2,000 PSF.
3. POOL CONCRETE (SHOTCRETE) SHALL BE PNEUMATICALLY PLACED AND THE PROPORTIONS SHALL NOT BE LESS THAN 1 PART CEMENT TO 4 1/2 PARTS SAND WITH MAXIMUM 3 GALLONS WATER PER BAG OF CEMENT. CONCRETE COMPRESSIVE STRENGTH SHALL BE 2,500 PSI MINIMUM AT 28 DAYS. TYPE V CEMENT SHALL BE USED. CEMENT SHALL CONFORM TO CSC CHAPTER 19 ASTM C150.62 AND 175.66.
4. KEEP POOL CONCRETE CONSTANTLY DAMP FOR 14 DAYS AFTER PLACING.
5. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60 FOR #5 BARS AND GREATER, GRADE 40 ELSEWHERE.
6. SIZE AND SHAPE OF POOL TO BE DETERMINED BY OWNER AND POOL COMPANY.
7. ALL INTERIOR SURFACES OF POOL TO BE COATED WITH WATERPROOF PLASTER.
8. IN WATER TABLE AREAS A HYDROSTATIC RELIEF VALVE SHALL BE PLACED AT THE LOW POINT OF THE POOL.
9. THIS PLAN IS A STANDARD STRUCTURAL EXAMPLE OF A SWIMMING POOL LOCATED IN FLAT GROUND, NOT CLOSER THAN 10'-0" FROM THE TOP-OF-TOE OF SLOPES GREATER THAN 5:1 AND CLEAR OF SURCHARGE FROM STRUCTURES. IF THE SITE DOES NOT MEET THESE CONDITIONS, THE OWNER OR POOL CONTRACTOR SHALL NOTIFY JEFF CANFIELD CONSULTING ENGINEER, FOR A REVIEW OF THE FIELD CONDITIONS.
10. JEFF CANFIELD CONSULTING ENGINEER IS RESPONSIBLE FOR STRUCTURE ONLY, AND ASSUMES NO RESPONSIBILITY FOR NON-STRUCTURAL ITEMS SUCH AS PLUMBING, ELECTRICAL AND SOIL.
11. ALL WORK SHALL CONFORM TO THE 2019 CBC.

DESIGN VALUES

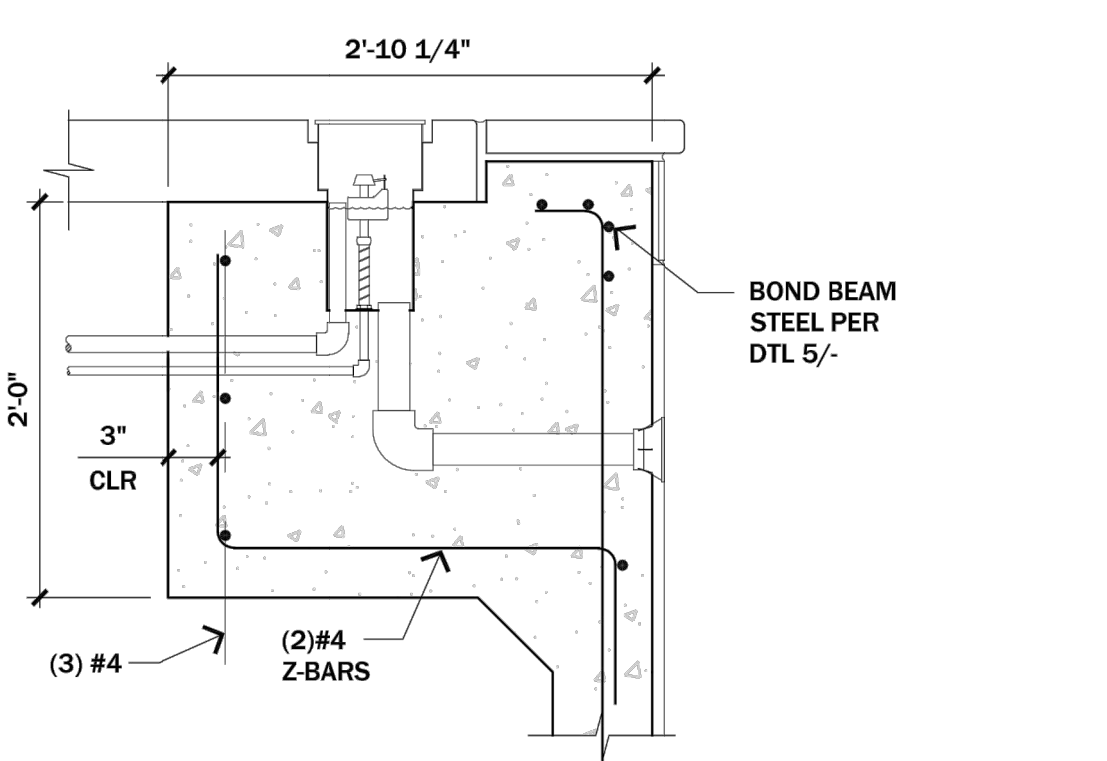
1. POOL WALLS HAVE BEEN DESIGN FOR 100 PCF EQUIVALENT FLUID PRESSURE (EFP) PER CODE MINIMUM VALUES.
2. POOL SLAB HAS BEEN DESIGN FOR 1,500 PSF ALLOWABLE BEARING PRESSURE.



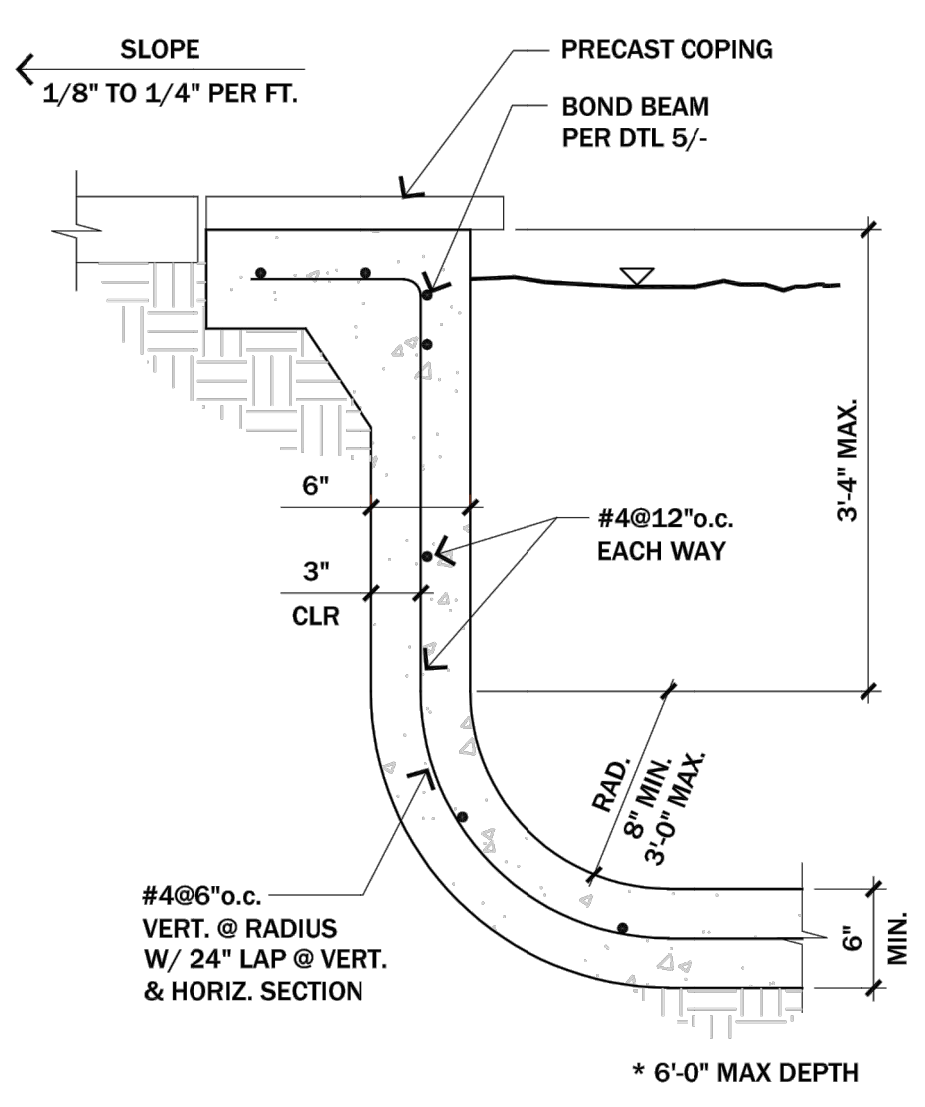
13 SHALLOW ENTRY DETAIL
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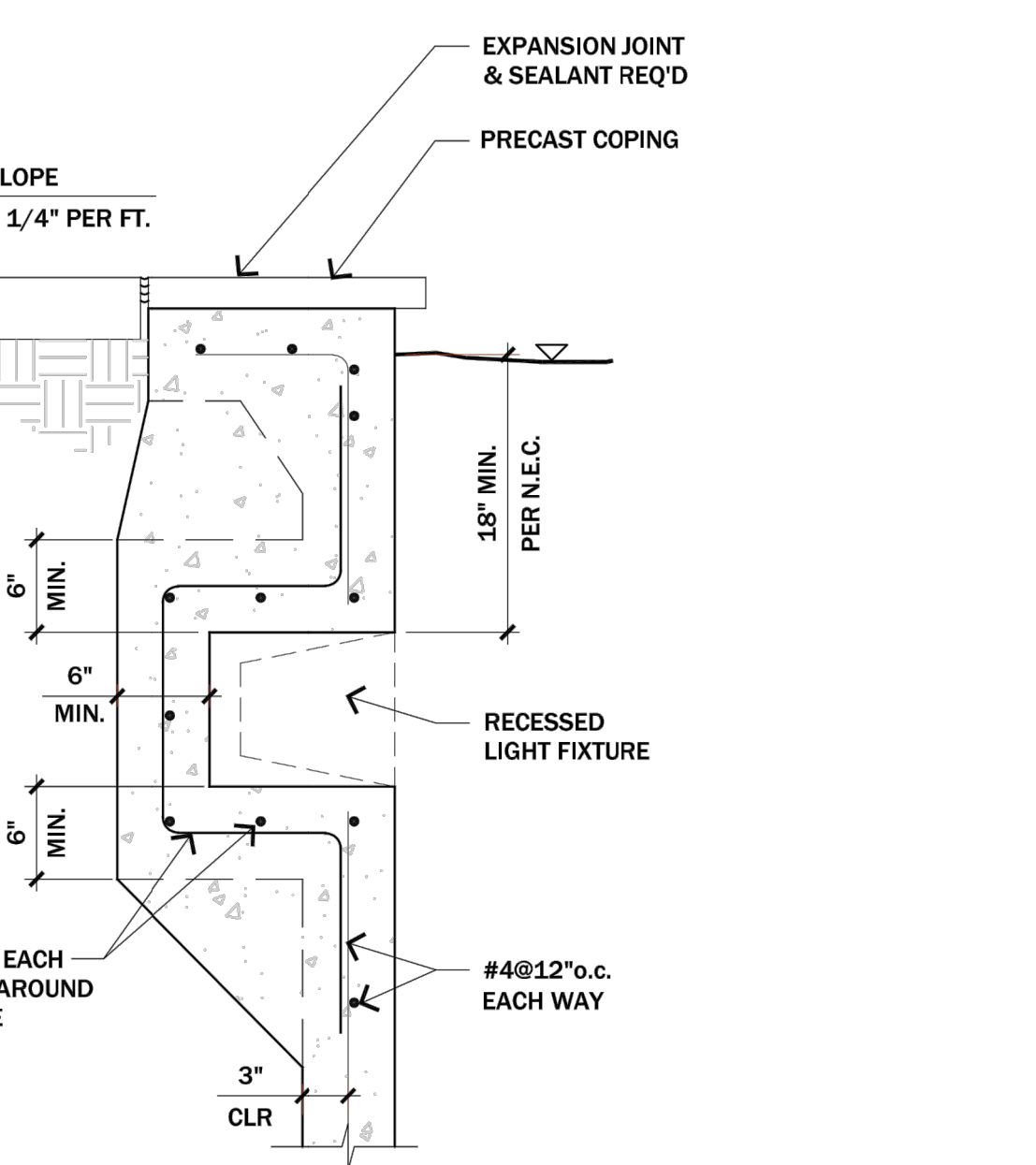
8 GRAB BAR DTL
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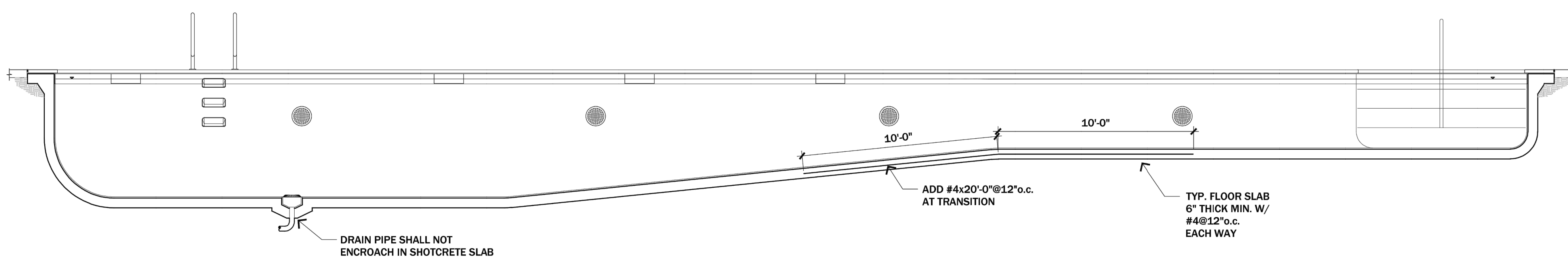
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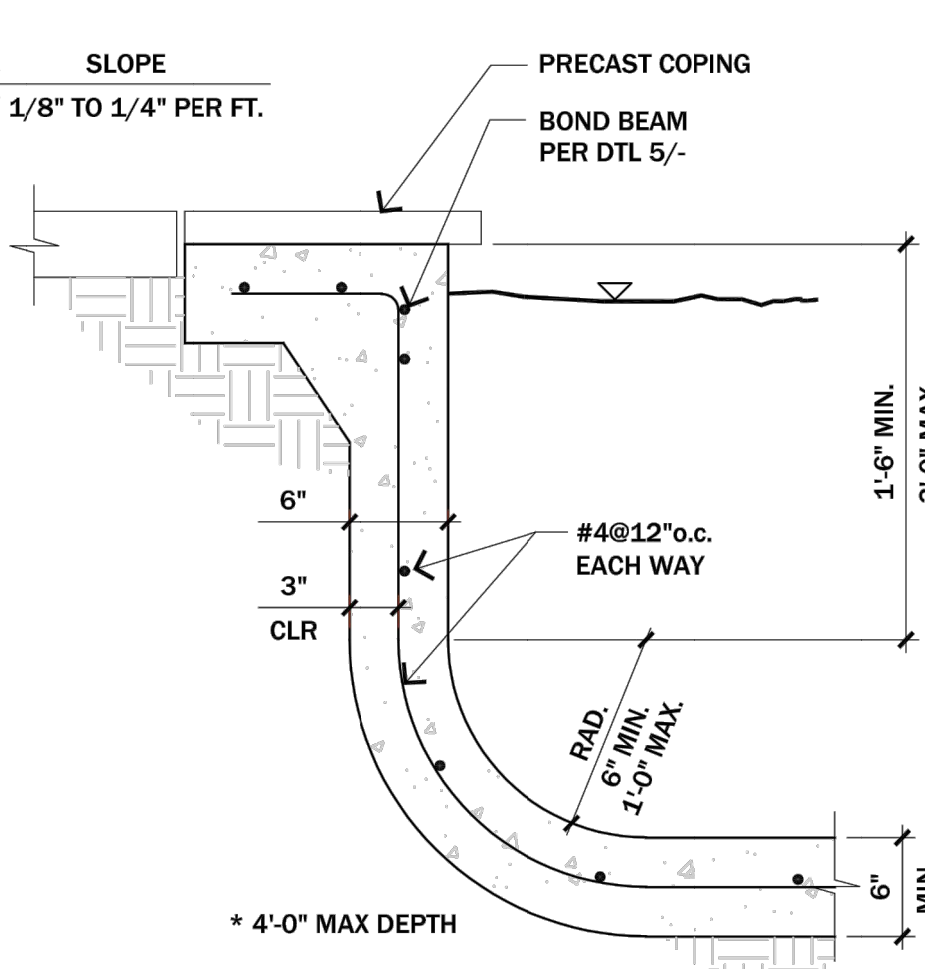
7 DEEP WALL SECT
 SCALE: 1"=1'-0"



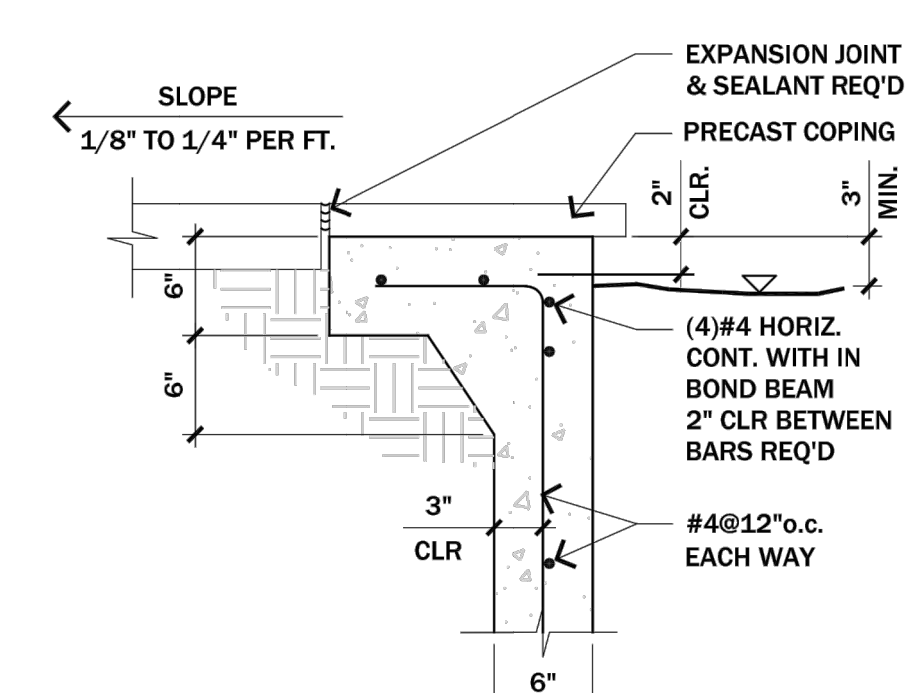
11 LIGHT NICHE
 SCALE: 1"=1'-0"



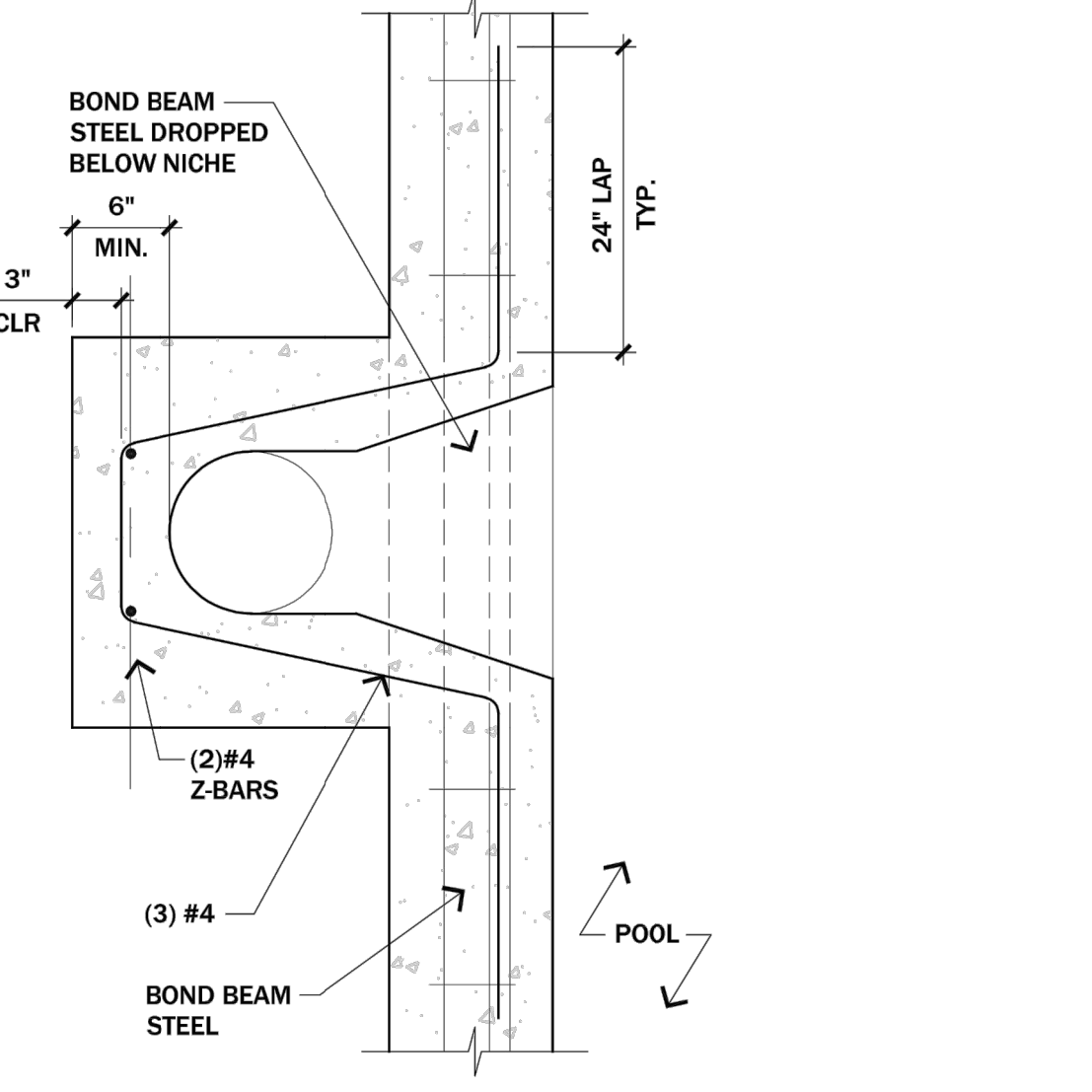
2 POOL SECTION
 SCALE: 1/4"=1'-0"



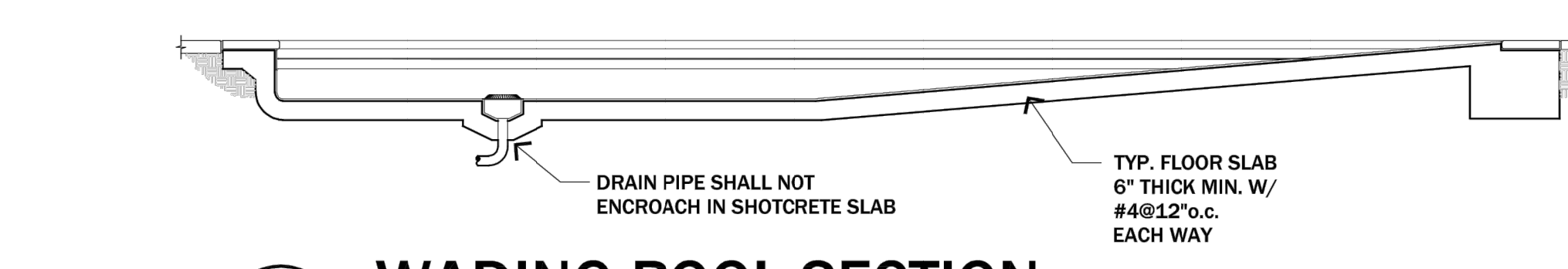
6 SHALLOW WALL
 SCALE: 1"=1'-0"



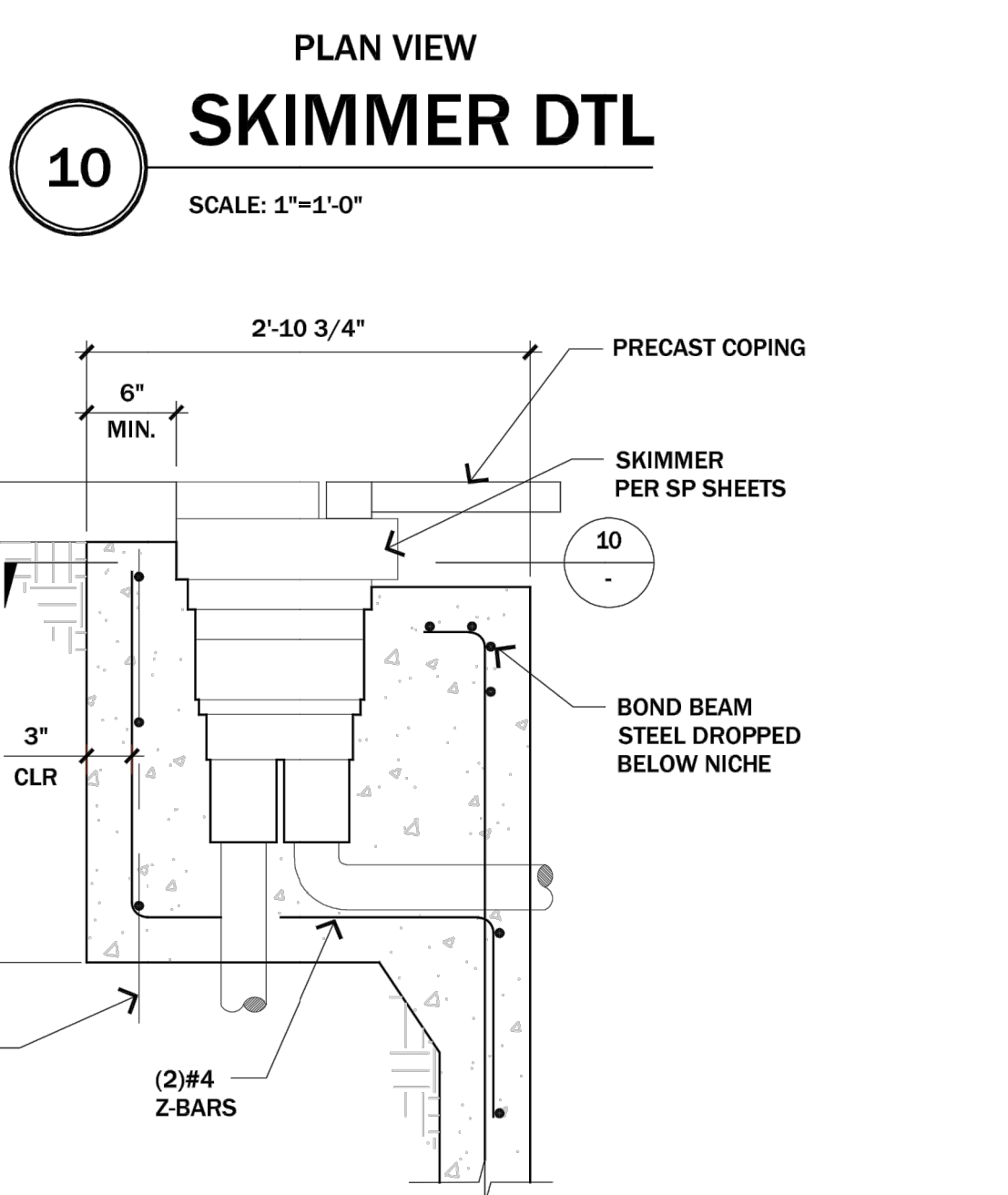
5 BOND BEAM
 SCALE: 1"=1'-0"



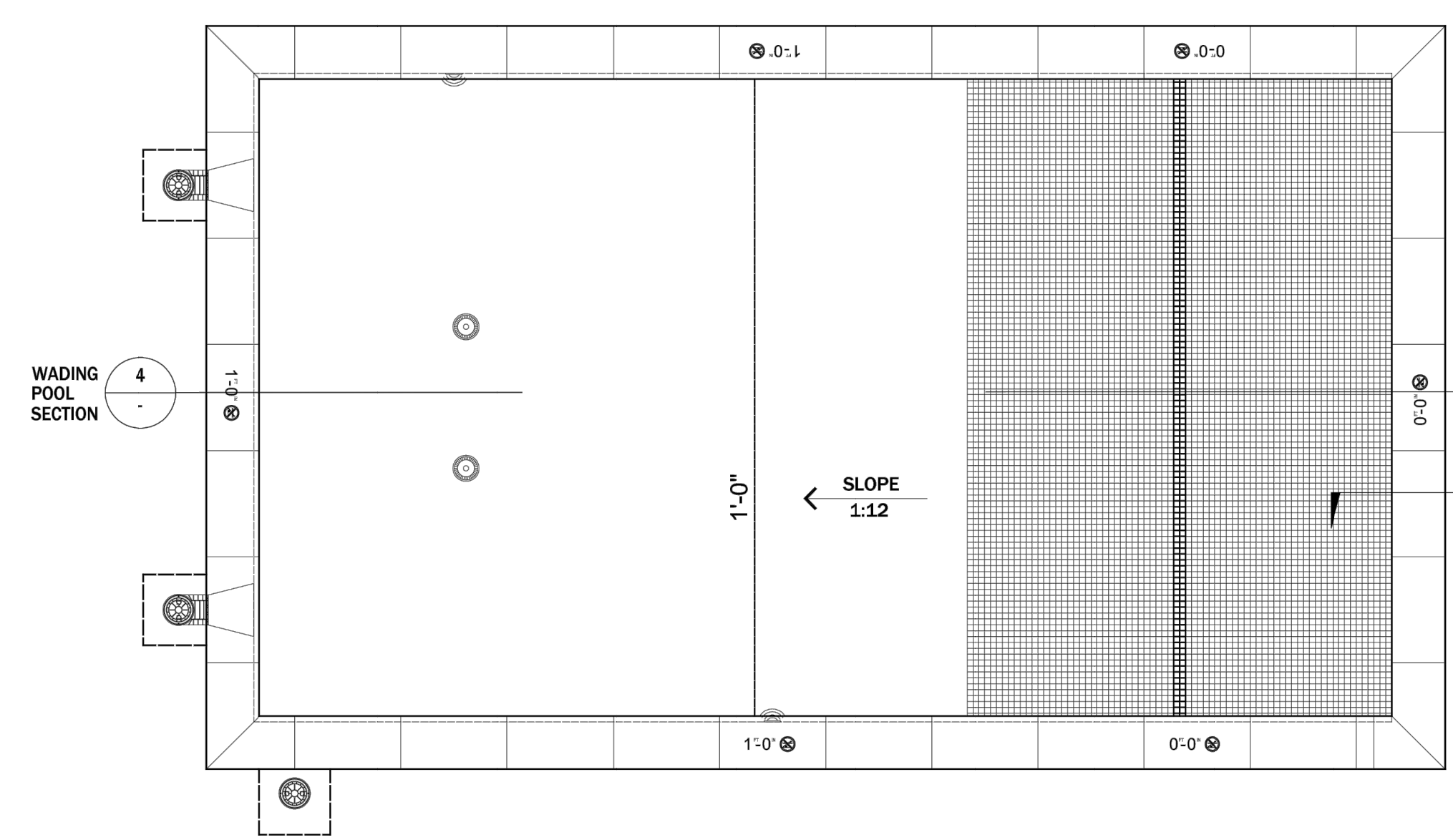
9 SKIMMER DTL
 SCALE: 1"=1'-0"



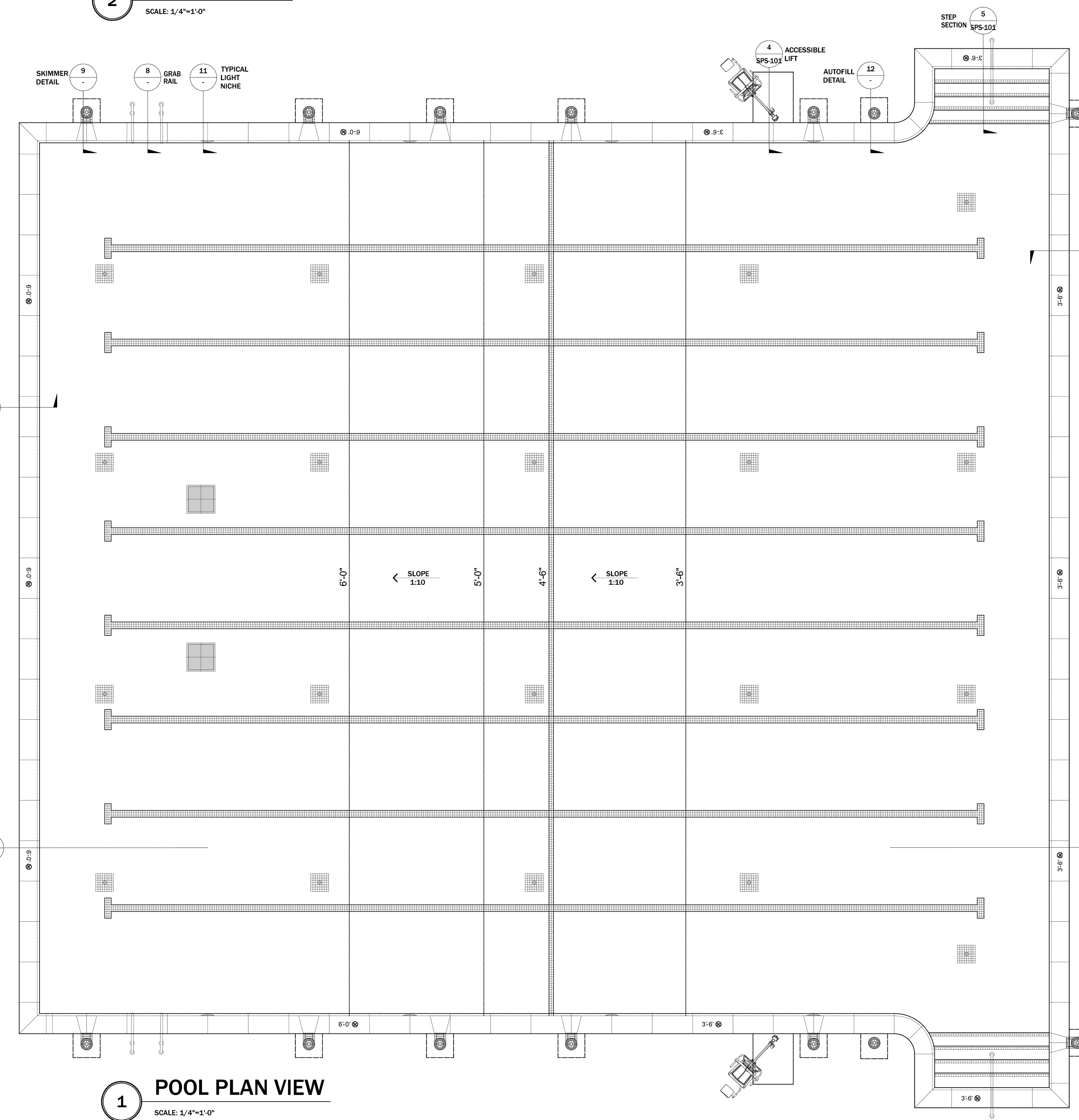
4 WADING POOL SECTION
 SCALE: 1/4"=1'-0"



10 SKIMMER DTL
 SCALE: 1"=1'-0"



3 WADING POOL PLAN VIEW
 SCALE: 1/4"=1'-0"



1 POOL PLAN VIEW
 SCALE: 1/4"=1'-0"

PROJECT NAME:
OTAY RANCH VILLAGE 8
 LA MEDIA PARKWAY AND AVENIDA CAPRICE
 CHULA VISTA, CA

| No. | Date | Revision |
|-----|------|----------|
| | | |
| | | |
| | | |

OWNERS NAME:
OWNER NAME
 ADDRESS
 CITY, CA 920xx
 PHONE:
 FAX:

Drawn: J.C.
 Checked: J.C.
 Project Number: 22-040
 Date: 8/29/2022

Sheet Title:
POOL AND WADING POOL LAYOUT, SECTION, GENERAL NOTES AND DETAILS

Sheet Number:
SPS-100



Aquatic TECHNOLOGIES
 POOL · SPAS · WATER FEATURES
 WWW.AQUATICTECHNOLOGIES.COM
 32232 PASSEO DEL ANTO, SUITE A
 SAN JUAN CAPISTRANO, CA 92675
 P(949)493-9548 F(949)493-9495
 LICENSE# 744177 C53 A & B

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF AQUATIC TECHNOLOGIES AND SHALL NOT BE USED ON ANY OTHER WORK EXCEPT BY WRITTEN AGREEMENT WITH AQUATIC TECHNOLOGIES. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF AQUATIC TECHNOLOGIES.



8/29/2022

PROJECT NAME:
OTAY RANCH VILLAGE 8
 LA MEDIA PARKWAY AND AVENIDA CAPRICE
 CHULA VISTA, CA

| No. | Date | Revision |
|-----|------|----------|
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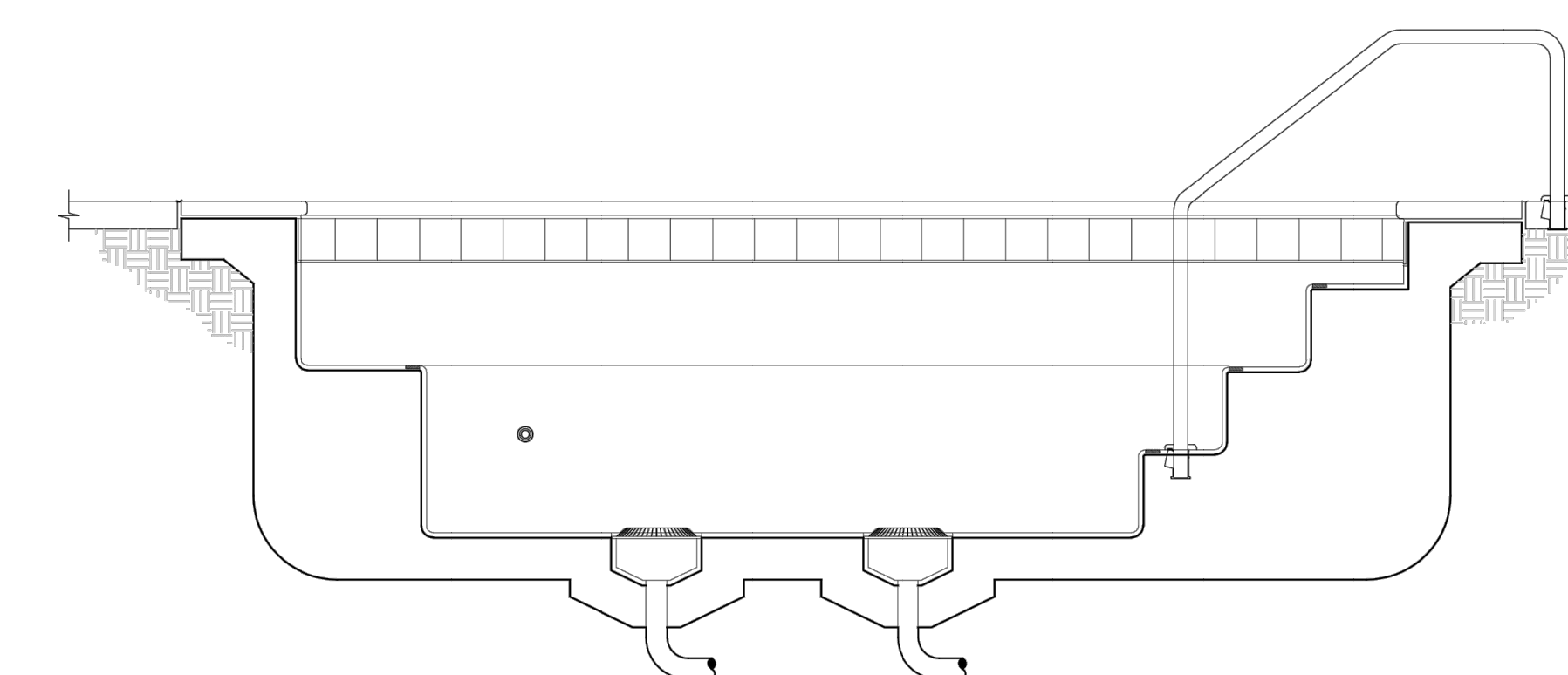
OWNERS NAME:
OWNER NAME
 ADDRESS
 CITY, CA 920xx
 PHONE:
 FAX:

Drawn: J.C.
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 Project Number: 22-040
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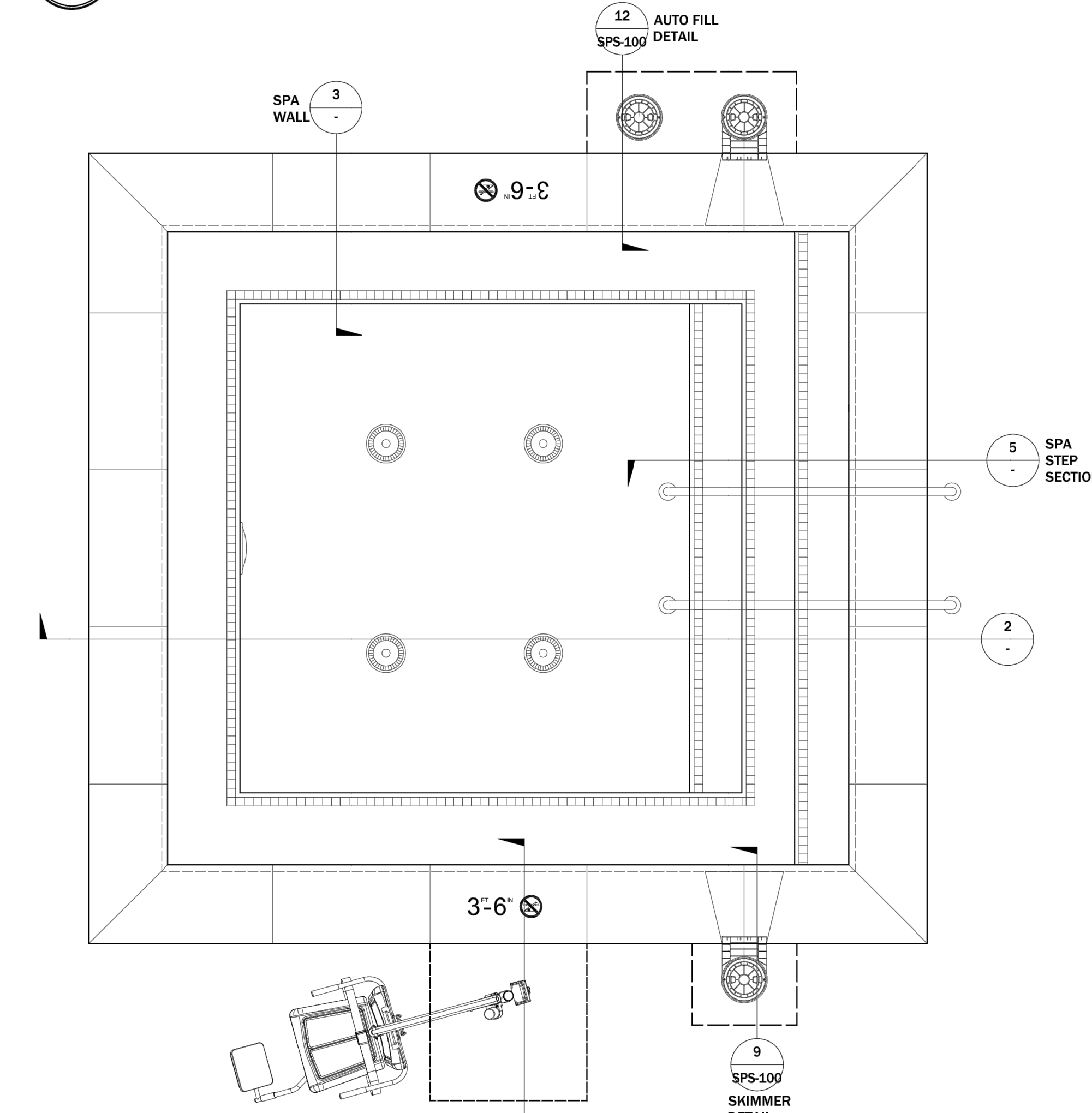
Sheet Title:
SPA LAYOUT, SECTION AND DETAILS

Sheet Number:

SPS-101



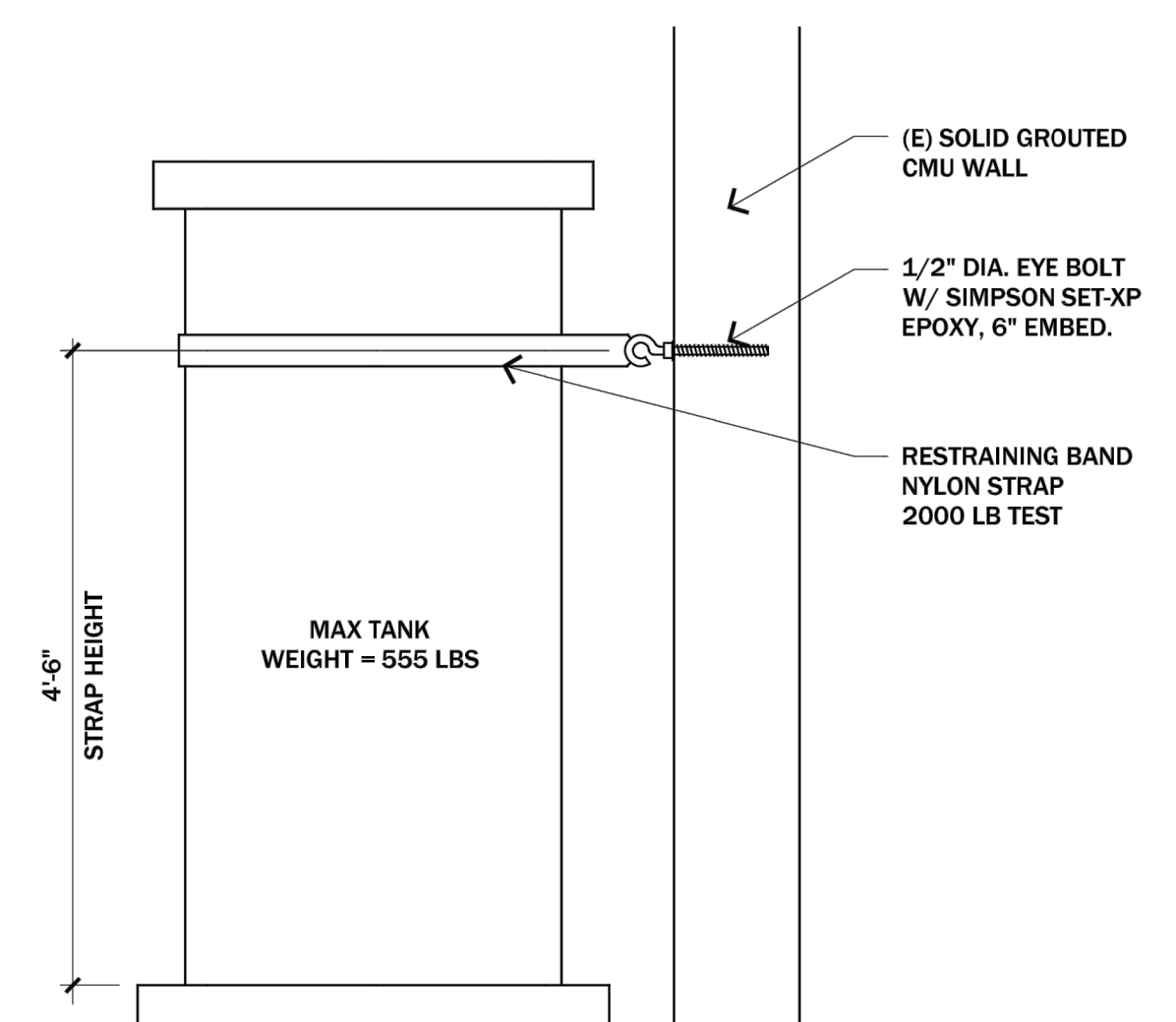
2 LONGITUDINAL SPA SECTION
 SCALE: 1/2"=1'-0"



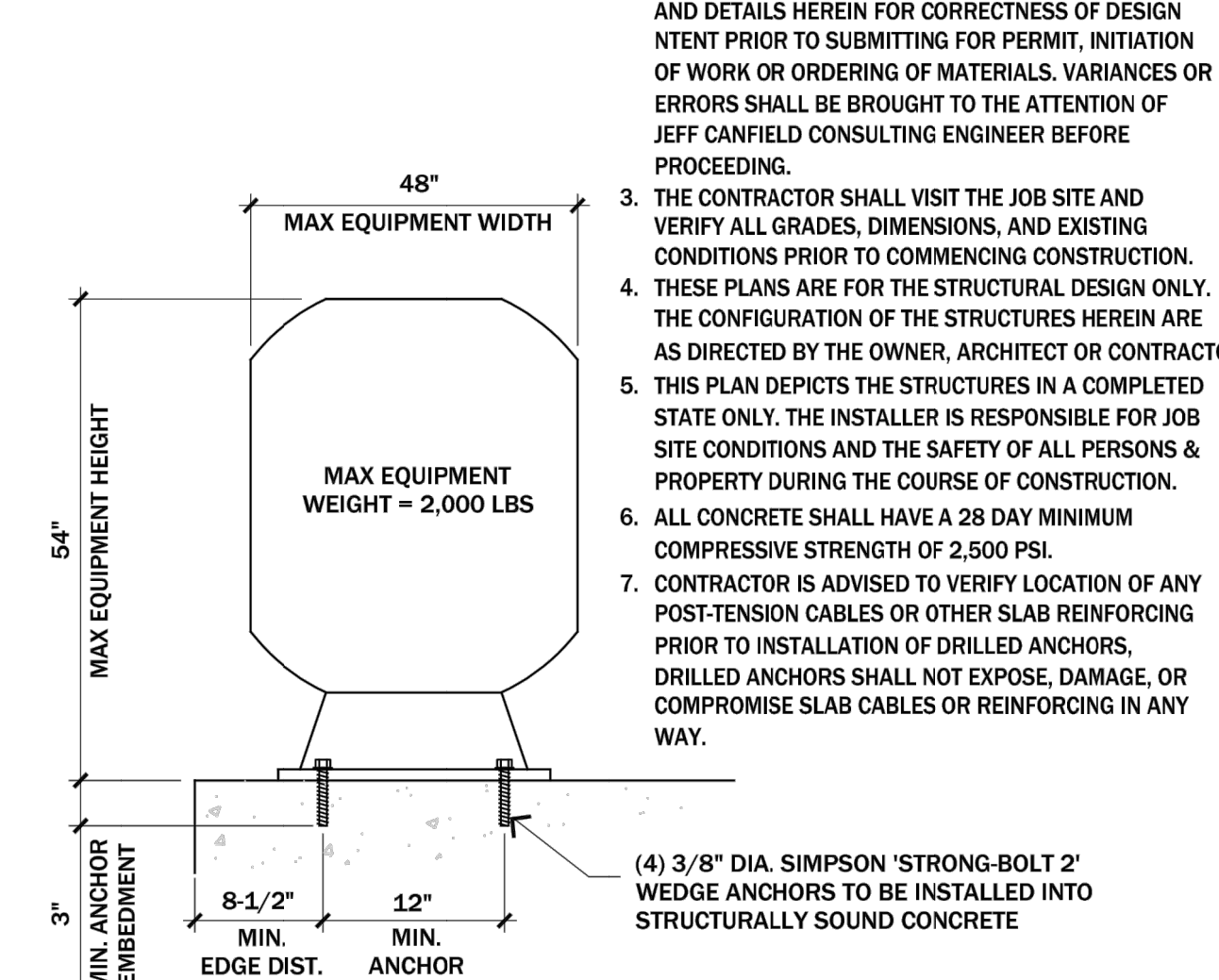
1 SPA PLAN VIEW
 SCALE: 1/2"=1'-0"

GENERAL NOTES

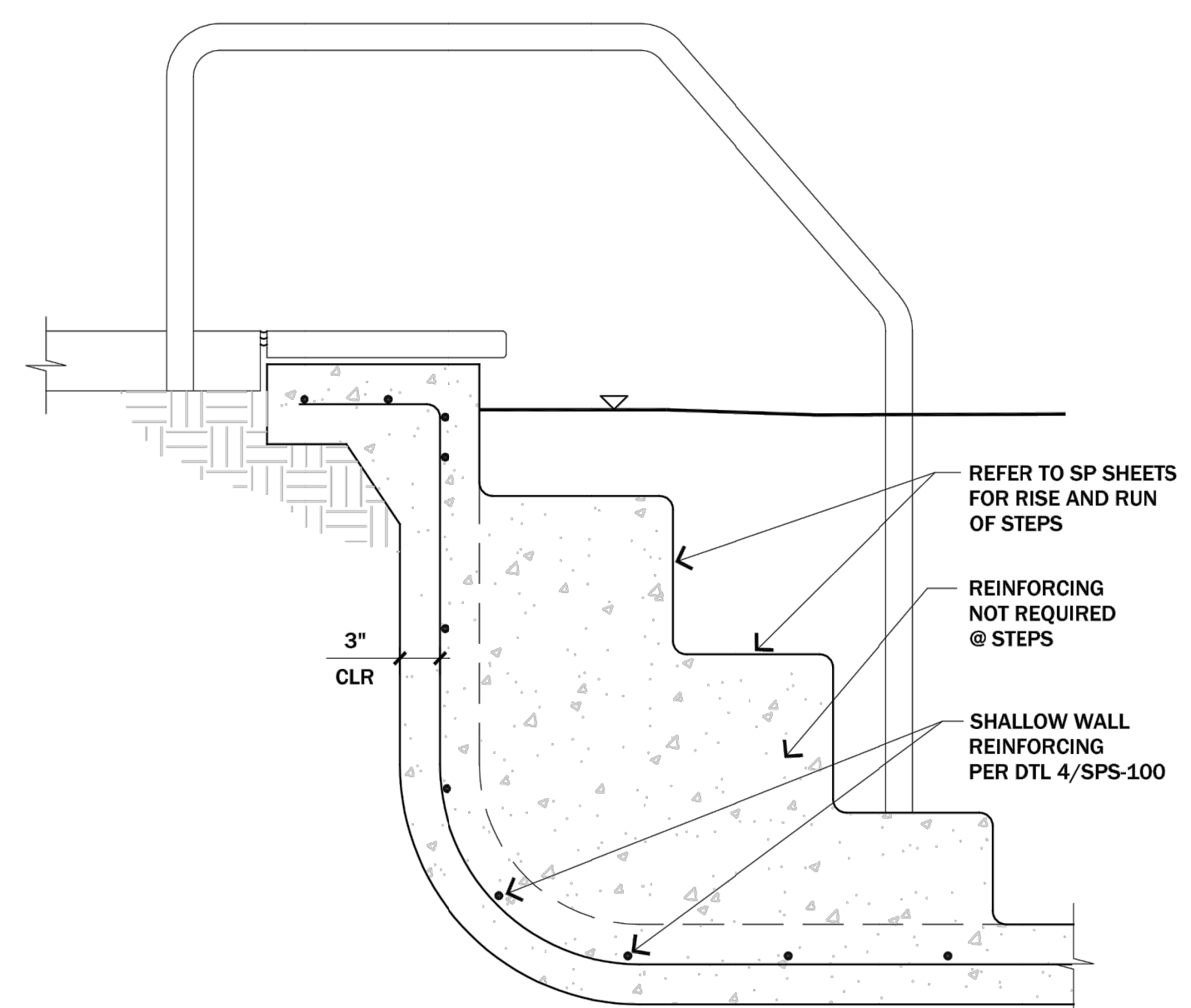
1. ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN CONFORMANCE WITH THE LATEST ADOPTED EDITION OF THE CBC/IBC.
2. OWNER, ARCHITECT OR CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND CHECKING STRUCTURAL PLANS AND DETAILS HEREIN FOR CORRECTNESS OF DESIGN INTENT PRIOR TO SUBMITTING FOR PERMIT. INITIATION OF WORK OR ORDERING OF MATERIALS, VARIANCES OR ERRORS SHALL BE BROUGHT TO THE ATTENTION OF JEFF CANFIELD CONSULTING ENGINEER BEFORE PROCEEDING.
3. THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL GRADES, DIMENSIONS, AND EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION.
4. THESE PLANS ARE FOR THE STRUCTURAL DESIGN ONLY. THE CONFIGURATION OF THE STRUCTURES HEREIN ARE AS DIRECTED BY THE OWNER, ARCHITECT OR CONTRACTOR.
5. THIS PLAN DEPICTS THE STRUCTURES IN A COMPLETED STATE ONLY. THE INSTALLER IS RESPONSIBLE FOR JOB SITE CONDITIONS AND THE SAFETY OF ALL PERSONS & PROPERTY DURING THE COURSE OF CONSTRUCTION.
6. ALL CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI.
7. CONTRACTOR IS ADVISED TO VERIFY LOCATION OF ANY POST-TENSION CABLES OR OTHER SLAB REINFORCING PRIOR TO INSTALLATION OF DRILLED ANCHORS. DRILLED ANCHORS SHALL NOT EXPOSE, DAMAGE, OR COMPROMISE SLAB CABLES OR REINFORCING IN ANY WAY.



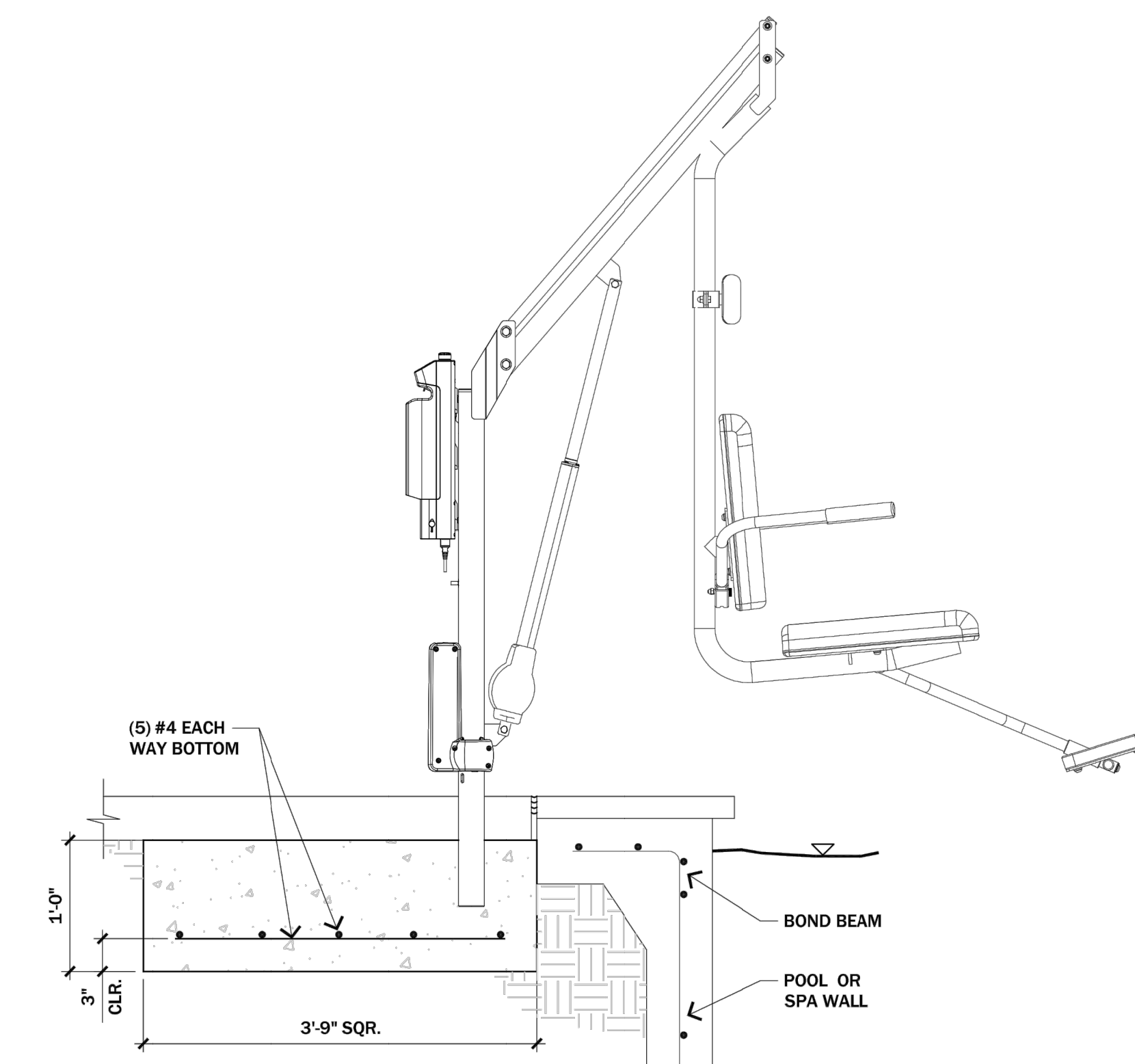
7 EQUIPMENT WALL ANCHORAGE
 SCALE: 1"=1'-0"



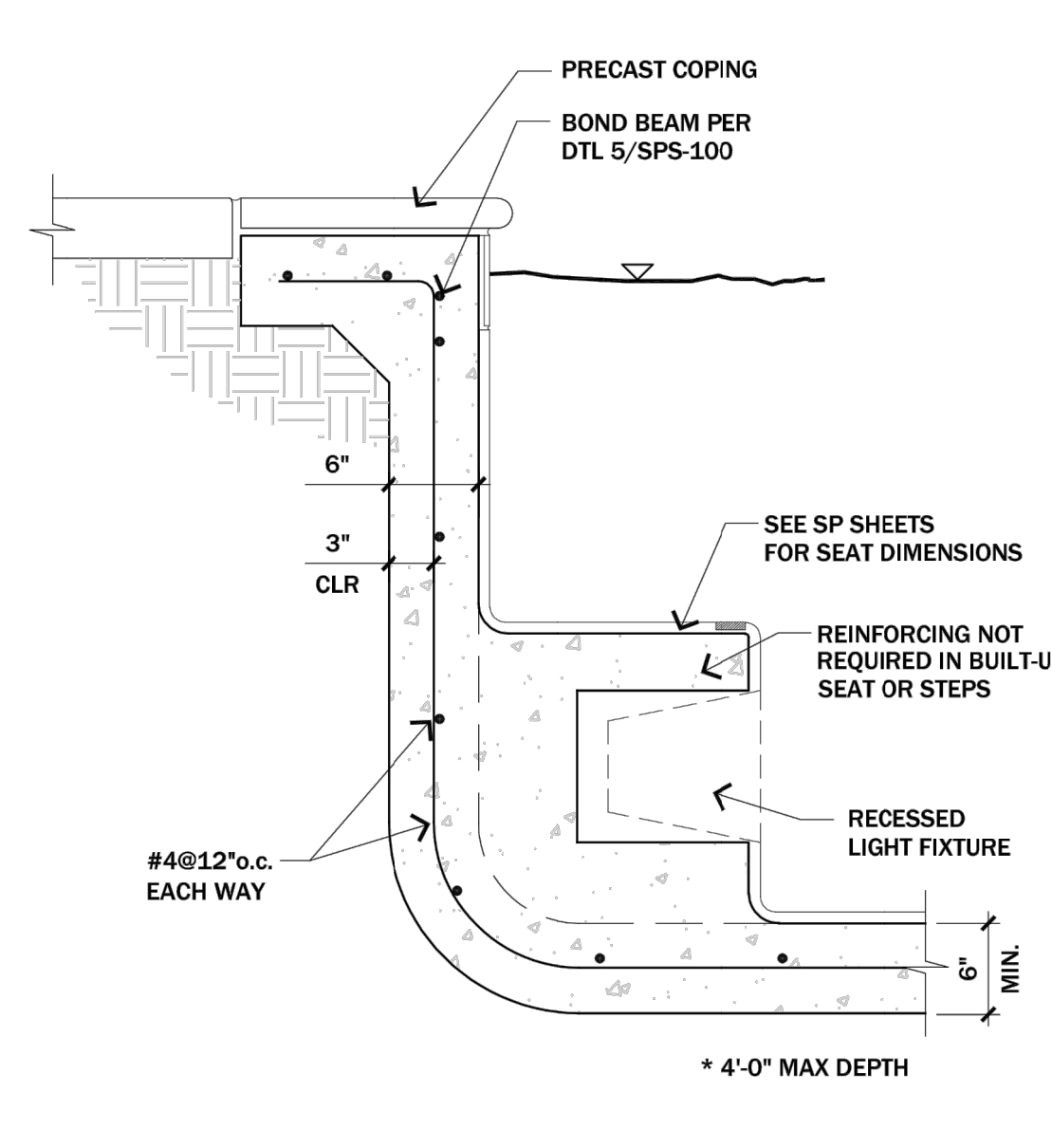
6 EQUIPMENT BASE ANCHORAGE
 SCALE: 1"=1'-0"



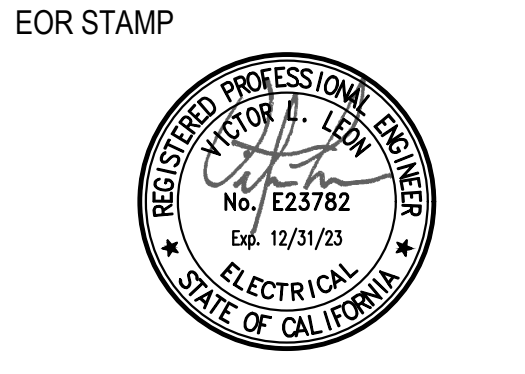
5 STEP DTL
 SCALE: 1"=1'-0"



4 ACCESSIBLE LIFT FOOTING
 SCALE: 1"=1'-0"



3 SPA WALL DTL
 SCALE: 1"=1'-0"



PROJECT:

OTAY SWIM CLUB
 Chula Vista, CA

ISSUANCE:

| # | DATE | DESCRIPTION |
|---|------------|---------------------|
| △ | 05.03.2023 | PLAN CHECK COMMENTS |
| △ | 08.17.2023 | PLAN CHECK COMMENTS |

DATE: 05-03-2023
 PROJECT NUMBER:
 22.HFC.001

DRAWN BY: GL
 CHECKED BY: FR

SHEET TITLE:

**ELECTRICAL
 SITE PLAN**

SHEET NO:

LE-1

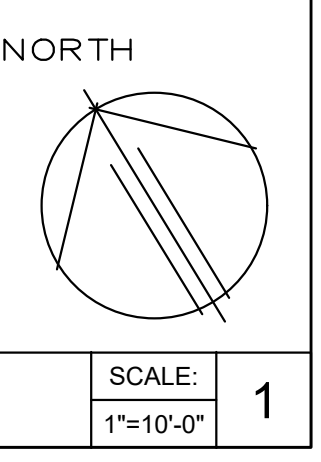
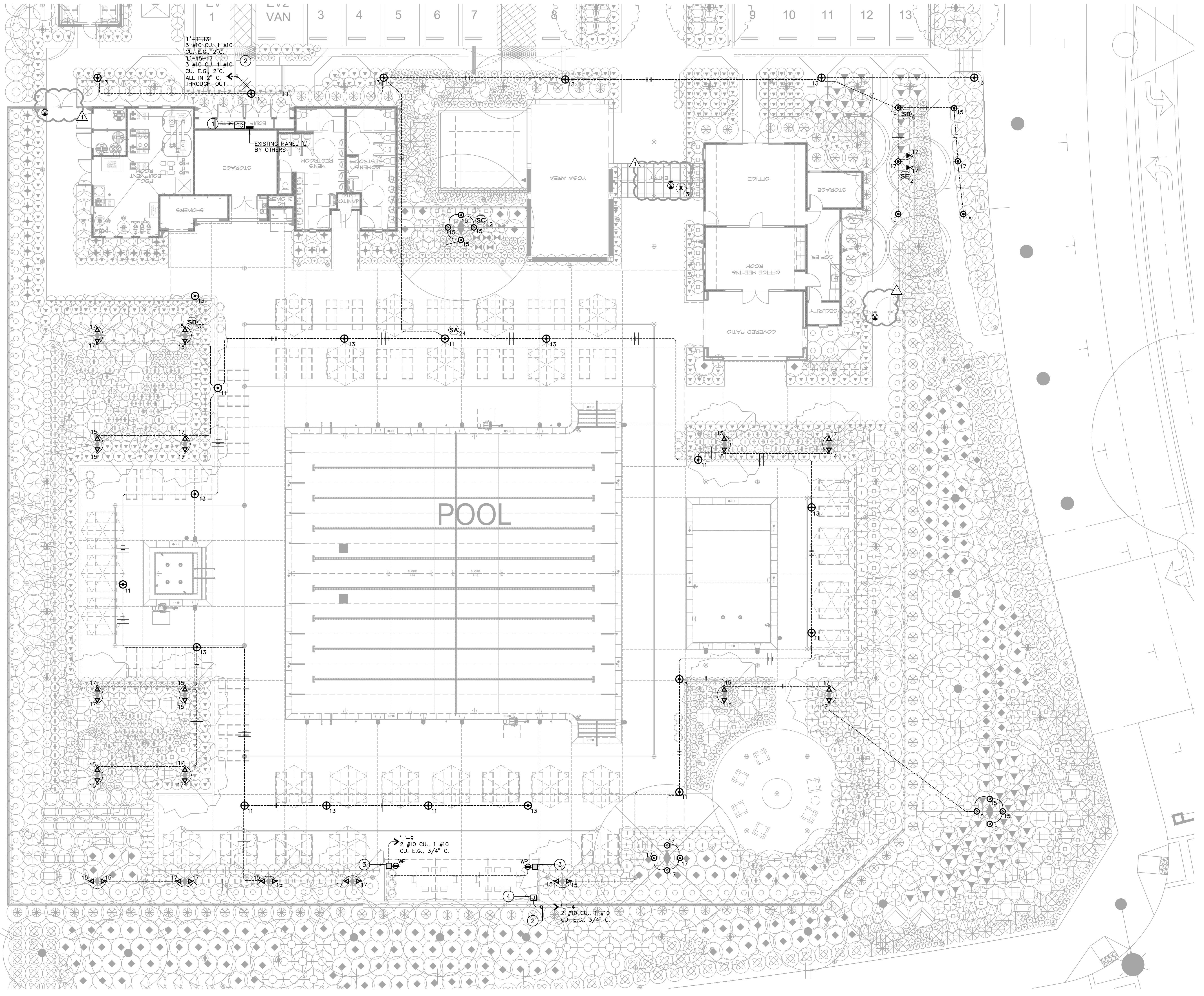
GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT FOR FINAL LIGHT FIXTURE LOCATIONS.

KEYED NOTES

- ① NEW EXTERIOR LIGHTING TIME CLOCK.
- ② CIRCUIT THROUGH NEW EXTERIOR LIGHTING TIME CLOCK.
- ③ ARLINGTON 'GRAB-N-POST' WITH A WEATHERPROOF/GFI RATED RECEPTACLE. MODEL: GPD26B.
- ④ IN-GRADE WEATHERPROOF PULLBOX WITH SINGLE 120V, 20AMP, DEDICATED CIRCUIT FOR FINAL USAGE TO CANOPY LIGHTING.

NOTE:
 THE MEANS OF EGRESS WILL BE ILLUMINATED TO A LEVEL OF NOT LESS THAN ONE FOOT-CANDLE AT THE WALKING SURFACE AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.

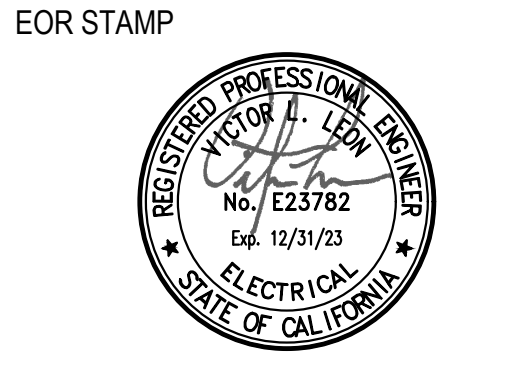


3:1

4:8

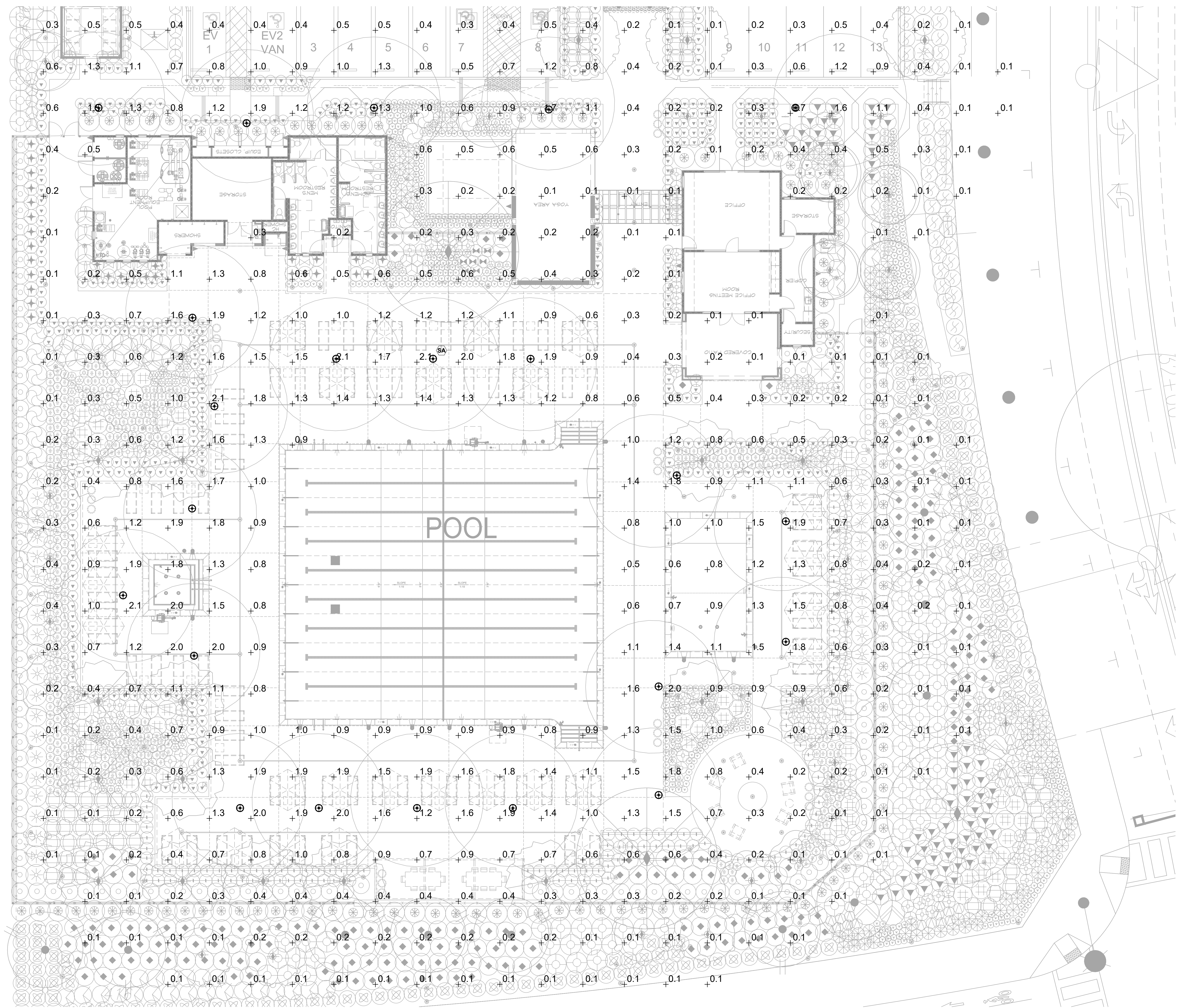
4:20

NOTE:
THE MEANS OF EGRESS WILL BE ILLUMINATED TO A LEVEL OF NOT LESS THAN ONE FOOT-CANDLE AT THE WALKING SURFACE AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.



PROJECT:

OTAY SWIM CLUB
Chula Vista, CA



3:1

4:18

4:20

ISSUANCE:
-

| # | DATE | DESCRIPTION |
|--------------|------|---------------------|
| △ 05.03.2023 | | PLAN CHECK COMMENTS |
| △ 08.17.2023 | | PLAN CHECK COMMENTS |

DATE: 05-03-2023
PROJECT NUMBER:
22.HFC.001

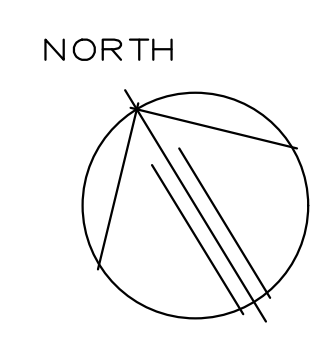
DRAWN BY: GL
CHECKED BY: FR

SHEET TITLE:

PHOTOMETRIC
SITE PLAN

SHEET NO:

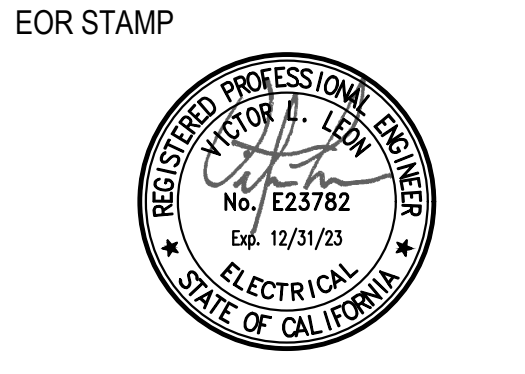
LE-2



SCALE:
1"=10'-0"

1

PHOTOMETRIC SITE PLAN



PROJECT:

OTAY SWIM CLUB
Chula Vista, CA

GENERAL

- THE FOLLOWING NOTES REFLECT THE REQUIREMENTS OF THE ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A COMPLETE AND OPERABLE ELECTRICAL SYSTEM.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL MATERIALS, CONDUIT, WIRING, CONTROL DEVICES AND EQUIPMENT REQUIRED TO INSURE ALL SYSTEMS ARE COMPLETE AND OPERABLE.
- THE DIAGRAMS AND SYMBOLS ILLUSTRATED ON THESE DRAWINGS REFLECT THE INTENT OF THE ELECTRICAL SYSTEMS AND ARE SHOWN DIAGRAMMATICALLY.
- THE CONTRACTOR SHALL REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS AND VISIT THE PROJECT EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS.
- THE CONTRACTOR SHALL MAINTAIN A COMPLETE SET OF CONSTRUCTION DOCUMENTS, SPECIFICATIONS, SHOP DRAWINGS, ADDENDUM'S AND CHANGE ORDERS ON THE JOB SITE.
- THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER AND ARCHITECT SHOULD A CONFLICT EXIST BETWEEN THESE DRAWINGS AND THE ACTUAL FIELD CONDITIONS.
- COORDINATE THE INSTALLATION OF THE ELECTRICAL SYSTEMS WITH ALL PROJECT TRADES AND NOTIFY THE PROJECT MANAGER IF A CONFLICT EXISTS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A WARRANTY FOR THE ELECTRICAL WORK INCLUDING MATERIALS, EQUIPMENT AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE OF THE PROJECT BY THE OWNER. NO ADDITIONAL COST FOR LABOR OR REPLACEMENT OF PARTS, MATERIALS AND EQUIPMENT SHALL BE INCURRED BY THE OWNER.
- RETURN ORIGINATOR MANUALS, COPIES OF SHOP DRAWINGS, BROCHURES AND EQUIPMENT WARRANTIES TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- MAINTAIN AND UPDATE DAILY A COMPLETE SET OF AS-BUILT ELECTRICAL DOCUMENTS AND RETURN TO THE PROJECT MANAGER AT THE END OF THE PROJECT.
- ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
 - FIXED EQUIPMENT ON GRADE: 33 PERCENT OF OPERATING WEIGHT.
 - FIXED EQUIPMENT ON STRUCTURE: 40 PERCENT OF OPERATING WEIGHT.
 - FOR FLEXIBLY MOUNTED EQUIPMENT, USE 4 TIMES ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE, USE ONE-THIRD TIMES HORIZONTAL FORCE.
- THESE NOTES DO NOT REPLACE BOOK SPECIFICATIONS. IF A CONFLICT IS FOUND THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH WORK.
- PROVIDE A DEDICATED ELECTRICAL CIRCUIT FOR THE PROJECT IRRIGATION CONTROLLERS. COORDINATE THE LOCATION WITH THE LANDSCAPE DRAWINGS AND LANDSCAPE ARCHITECT.

EXISTING CONDITIONS

- WHEN APPLICABLE, THE CONTRACTOR SHALL VERIFY EXISTING SITE AND/OR BUILDING CONDITIONS AND NOTIFY THE PROJECT MANAGER AND ARCHITECT IF A CONFLICT EXISTS.
- NOTIFY UNDERGROUND DIG ALERT (811) TO IDENTIFY EXISTING UNDERGROUND STRUCTURES PRIOR TO BEGINNING UNDERGROUND WORK.
- CONTACT THE PROJECT MANAGER AND ARCHITECT WHEN IT BECOMES NECESSARY TO CORE, DRILL OR CUT THROUGH EXISTING CONDITIONS. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE ARCHITECT.

MATERIALS

- ELECTRICAL MATERIALS AND PARTS SHALL BE PROVIDED BY THE SAME MANUFACTURE FOR EACH CLASS OR GROUP OF MATERIALS.
- ALL MATERIALS, PARTS AND EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED.
- EXISTING MATERIALS, PARTS AND EQUIPMENT TO BE RE-USED SHALL BE CLEANED AND REPAIRED.

SERVICES

- THE CONTRACTOR SHALL COORDINATE ALL SERVICE REQUIREMENTS WITH EACH UTILITY COMPANY PRIOR TO BIDDING THE PROJECT. IF FINAL UTILITY PLANS ARE NOT AVAILABLE, THE CONTRACTOR SHALL PROVIDE A SEPARATE ALLOWANCE IN THE BID FOR CONDUITS AND STRUCTURES AS A SEPARATE LINE ITEM FOR EACH UTILITY SYSTEM.
- THE CONTRACTOR SHALL VERIFY ALL UTILITY COMPANY SERVICE REQUIREMENTS (POWER, TELEPHONE AND CABLE), POINT OF CONNECTIONS, QUANTITY OF CONDUITS AND SIZES, CONDUIT INSTALLATION, CONDUIT ENCASEMENT, PULL BOX, VALVES, EQUIPMENT PADS, JOINT TRENCHES AND EQUIPMENT GROUNDING REQUIREMENTS PRIOR TO STARTING CONSTRUCTION.
- VERIFY THE AVAILABLE FAULT CURRENT WITH THE UTILITY COMPANY PRIOR TO SUBMITTING ELECTRICAL DISTRIBUTION EQUIPMENT SHOP DRAWINGS.
- COORDINATE ALL UTILITY COMPANY INSPECTIONS DURING THE INSTALLATION OF CONDUITS AND STRUCTURES.

SHOP DRAWINGS AND SUBSTITUTIONS

- THE CONTRACTOR SHALL NOT RELEASE ELECTRICAL EQUIPMENT OR LIGHTING FIXTURES UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED AND REVIEWED.
- PRODUCT SUBSTITUTIONS WILL ONLY BE ALLOWED AFTER THE PROJECT PLANS AND SPECIFICATIONS ARE BID AS SPECIFIED.
- SUBSTITUTIONS WILL ONLY BE CONSIDERED DURING THE SHOP DRAWING PROCESS AND ONLY IF THE SUBMITTAL INCLUDES UNIT PRICES FOR EACH SPECIFIED AND ALTERNATE PRODUCTS AND A TOTAL PROJECT SAVINGS.
- SUBSTITUTION PRODUCTS SHALL BE EQUAL TO THE PERFORMANCE, QUALITY AND WORKMANSHIP OF THE SPECIFIED PRODUCT. WORKING SAMPLES MAY BE REQUIRED.
- SHOP DRAWINGS SHALL BE PROVIDED FOR THE FOLLOWING ITEMS: GENERAL ELECTRICAL MATERIALS, CONDUIT AND WIRE, SWITCHGEAR, PANELS, TRANSFORMERS, LIGHTING FIXTURES, LAMPS, CONTROL EQUIPMENT AND SPECIAL SYSTEMS NOTED ON DRAWINGS OR SPECIFICATIONS.
- ELECTRICAL EQUIPMENT, PARTS AND MATERIALS SHALL BE RELEASED TO INSURE THE CONSTRUCTION SCHEDULE IS NOT JEOPARDIZED DUE TO LATE DELIVERIES.
- MAIN SWITCHBOARD SHOP DRAWINGS SHALL BE SUBMITTED TO THE SERVING UTILITY COMPANY FOR REVIEW PRIOR TO RELEASING EQUIPMENT FOR FABRICATION. METERING FACILITIES AND UNDERGROUND PULL SECTIONS SHALL MEET THE LOCAL UTILITY COMPANY REQUIREMENTS.

GROUNDING

- THE COMPLETE ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH ARTICLE 250 - GROUNDING, OF THE CALIFORNIA ELECTRICAL CODE (CEC).
- VERIFY SYSTEM GROUNDING REQUIREMENTS AND PROVIDE GROUND RODS AS REQUIRED TO INSURE THAT THE RESISTANCE TO GROUND IS 25 OHMS OR LESS.
- THE COMPLETE ELECTRICAL SYSTEM SHALL BE TESTED TO INSURE COMPLIANCE GROUNDING REQUIREMENTS.
- THE METHOD OF OBTAINING GROUND RESISTANCE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE JAMES G. BIDOLE MANUAL PUBLISHED ON THE SUBJECT.

SERVICE AND DISTRIBUTION EQUIPMENT

- PANEL BOARDS WITH MOLDED CASE CIRCUIT BREAKERS SHALL SHALL BE FURNISHED WITH HINGED LOCKABLE DOORS THAT ARE KEYS ALIKE, INDEX CARD HOLDERS AND PERMANENT DEVICE NUMBERS. PANELS SHALL BE AS MANUFACTURED BY SEMANS, CUTLER-HAMMER OR EQUAL.
- REFER TO PANEL SCHEDULES FOR PANEL MOUNTING REQUIREMENTS, VOLTAGE AND INDIVIDUAL DEVICE REQUIREMENTS.
- CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE UNLESS OTHERWISE NOTED, WITH A MINIMUM GROUND FAULT RATING OF 10,000 AIC. FOR 120/208 SYSTEMS AND 14,000 AIC FOR 277/480 VOLT SYSTEMS.
- ALL SWITCHBOARD TERMINATIONS AND ENCLOSURES SHALL BE RATED FOR USE WITH 75 DEGREE CELSIUS CONDUCTORS.
- THE COMPLETE SYSTEM SHALL BE "SERIES RATED" FOR THE AVAILABLE FAULT CURRENT. THE SERIES CONNECTED DEVICES SHALL HAVE BEEN INVESTIGATED BY UL IN COMBINATION WITH THE END USE EQUIPMENT. EQUIPMENT IN WHICH THESE DEVICES ARE USED SHALL BE LABELED WITH THE SERIES CONNECTED RATING. ALL EQUIPMENT SHALL BE LABELED IN ACCORDANCE WITH CEC ARTICLE 22.2.
- ELECTRICAL METER PEDESTALS SHALL BE UL LISTED AND PROVIDED WITH NEMA 3R VANDAL-RESISTANT CABINETS, ISOLATED, LOCKABLE & SEALABLE UTILITY METERING & LUG LANDING SECTION, LOCKABLE CUSTOMER SECTION AND LOAD OR PANEL BOARD SECTIONS. PEDESTALS SHALL BE FURNISHED WITH 1 OR 2 METERING AND DISTRIBUTION SECTIONS AS SPECIFIED. MULTIPLE SYSTEM VOLTAGES, MAIN BREAKER CAPABILITIES AND 14,000 TO 50,000 KAIC OPTIONS. PEDESTALS SHALL BE AS MANUFACTURED BY MILBANK OR APPROVED EQUAL.
- FEEDER CONNECTIONS AT ALL ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE TIGHTENED BEFORE GROUND TESTS ARE TAKEN.
- PROVIDE ENGRAVED NAMEPLATES ON THE SWITCHBOARD AND DEVICES. DISTRIBUTION PANELS AND DEVICES, PANEL BOARDS AND TRANSFORMERS, NAMEPLATES SHALL BE 3 PLY WITH BLACK FACE AND WHITE CORE PERMANENTLY ATTACHED WITH STAINLESS STEEL LOCKING SCREWS.
- THE CONTRACTOR SHALL CONFIRM THAT EQUIPMENT WORKING SPACE AND GUARDING MEETS THE INTENT OF THE APPLICABLE CODE. REFER TO CEC ARTICLE 110.26 FOR REQUIREMENTS.
- APPLICABLE EQUIPMENT MANUFACTURER'S SHALL BE RSE SIERRA, SIEMENS, GENERAL ELECTRIC, SQUARE D OR WESTINGHOUSE, EXCEPT WHERE REQUIRED TO MATCH EXISTING EQUIPMENT.

BRANCH CIRCUITING

- BRANCH CONDUIT AND WIRE HASH MARKS MAY NOT BE DEPICTED ON THE DRAWINGS. THE CONTRACTOR SHALL PROVIDE BRANCH CONDUITS AND WIRING TO ALL CIRCUITS INDICATED AND AS REQUIRED FOR A COMPLETE AND OPERABLE BRANCH CIRCUIT DISTRIBUTION SYSTEM IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE CALIFORNIA OR NATIONAL ELECTRICAL CODE.
- MINIMUM CONDUCTOR SIZE SHALL BE #12 COPPER WITH A MINIMUM CONDUIT SIZE OF 3/4".
- PROVIDE A GREEN GROUND CONDUCTOR IN ALL BRANCH CIRCUIT AND FEEDER CABLES OR CONDUITS.
- AT THE END OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE A DETAILED AS-BUILT DRAWING TO THE OWNER AND ENGINEER.

REGULATIONS, CODES AND PERMITS

- THE COMPLETE ELECTRICAL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE 2022 CALIFORNIA ELECTRICAL CODE (CEC). REFER TO THE ARCHITECTURAL DRAWINGS FOR A LIST OF CODES THAT PERTAIN TO THIS PROJECT.
- NOTHING ON THE DRAWINGS, GENERAL NOTES OR SPECIFICATIONS IS TO BE INTERPRETED AS PERMITTING WORK NOT CONFORMING WITH ANY CODE, REGULATION OR CITY ORDINANCES.

LIGHTING

- THE LIGHTING FIXTURES ARE SPECIFIED WITH A GENERIC MOUNTING FORMAT. THE CONTRACTOR IS RESPONSIBLE TO VERIFY AND PROVIDING ALL HANGARS, CURPS AND NECESSARY HARDWARE TO INSTALL LIGHTING FIXTURE AT THE LOCATION INDICATED ON THE ARCHITECTURAL AND ELECTRICAL DRAWINGS.
- THE CONTRACTOR SHALL VERIFY THE LIGHTING FIXTURE VOLTAGE PRIOR TO SUBMITTING SHOP DRAWINGS.
- VERIFY THE COLOR TEMPERATURE OF ALL LED LAMPS PRIOR TO ORDERING AND INSTALLATION OF LAMPS.
- BOLLARD LIGHTING PRODUCTS SHALL BE MOUNTED ON CONCRETE BASES. REFER TO DETAILS AND SPECIFICATIONS FOR TYPE AND SIZES REQUIRED.
- FLUSH IN-GROUND LIGHTING FIXTURES SHALL BE INSTALLED IN A CONCRETE FOUNDATION. PROVIDE CONCRETE 3" MINIMUM AROUND THE COMPLETE LIGHTING FIXTURE UNLESS MOUNTED IN A CONCRETE WALK OR FLOOR.
- PROVIDE A TYPED WRITTEN LIST OF A LAMP TYPES, WATTAGE'S AND BEAM SPREADS FOR EACH FIXTURE LOCATION TO THE PROJECT MANAGER AT THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL AM EXTERIOR ADJUSTABLE LIGHT FIXTURES DURING THE EVENING HOURS WITH THE ARCHITECT AND/OR ENGINEER PRESENT.

OUTLET, JUNCTION AND PULL BOXES

- BOXES OR SPICE BOX ENCLOSURES SHALL SIZED AND INSTALLED IN ACCORDANCE WITH THE ELECTRICAL CODE ARTICLE 314. BOXES LOCATED OUTDOORS, WET OR DAMP LOCATIONS SHALL BE WEATHERPROOF.
- THE MINIMUM SIZE UNDERGROUND PULL BOXES SHALL BE 11"x18"x12" DEEP WITH BOLT DOWN COVERS LABELED TO INDICATE THE PULL BOX SYSTEM. PROVIDE TRAFFIC COVERS IN WALKS, DRIVEWAYS AND PARKING LOTS. OLDCASTLE PRECAST #S1118B12AA OR EQUAL.
- LARGE PULL BOXES SHALL BE SIZED IN ACCORDANCE WITH THE ELECTRICAL CODE REQUIREMENTS FOR CABLE PULLING, AND CONDUIT SIZE. OLDCASTLE PRECAST OR APPROVED EQUAL.
- JUNCTION, OUTLET AND PULL BOXES SHALL BE PERMANENTLY MARKED INDICATING THE ELECTRICAL AND CIRCUITS INSTALLED.
- GROUND MOUNTED WEATHERPROOF/GFI RECEPTACLES SHALL BE INSTALLED IN A ARLINGTON INDUSTRIES "GARDA-POST" #GPD19BR.

CONTROL DEVICES

- PROVIDE A PHOTOCELL DEVICE TO TURN ON ALL EXTERIOR LIGHTING AND AN ELECTRONIC TIME CLOCK TO TURN OFF GROUPS OF EXTERIOR LIGHTING FIXTURES. COORDINATE THE MOUNTING LOCATION OF THE PHOTOCELL DEVICE PRIOR TO INSTALLATION.

CONDUIT

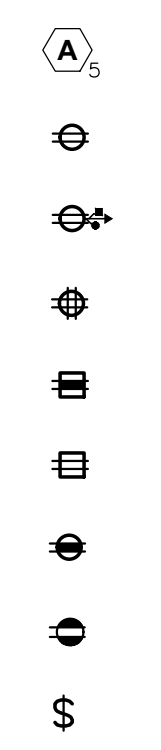
- ELECTRICAL METALLIC TUBING UP TO 4" SHALL BE USED AS PERMITTED BY THE ELECTRICAL CODE.
- PVC SCHEDULE 40 CONDUITS SHALL BE USED FOR UNDERGROUND INSTALLATIONS WHEN CONDUIT IS IN CONTACT WITH EARTH.
- CONDUIT RISERS SHALL BE GALVANIZED OR PVC WITH HALF LAPPED IMC TAPE COVERING.
- RIGGED GALVANIZED CONDUIT SHALL BE USED IN WET OR DAMP AREAS, ON ROOFS, EMBEDDED IN CONCRETE OR MASONRY WALLS AND EXPOSED IN ALL AREAS WHERE CONDUIT IS EXPOSED TO PHYSICAL DAMAGE.
- LIQUID TIGHT FLEXIBLE CONDUITS SHALL BE USED FOR ALL FINAL CONNECTIONS TO MOTORS AND CONTROL DEVICES MOUNTED ON VIBRATING OR ROTATING EQUIPMENT.
- ALUMINUM FLEXIBLE CONDUITS MAY BE USED FOR CONNECTION TO LIGHTING FIXTURES INSTALLED IN SUSPENDED CEILING AREAS.
- THE MINIMUM CONDUIT SIZE PERMITTED SHALL BE 3/4".
- PROVIDE GALVANIZED SEAMLESS COUPLINGS AND CONNECTORS (SET SCREW OR COMPRESSION TYPE) WITH FACTORY APPLIED INSULATED THROAT. DEVICES SHALL BE USED IN ACCORDANCE WITH THE ARTICLE 358 - ELECTRICAL METALLIC TUBING.
- CONDUITS INSTALLED UNDER GROUND SHALL BE INSTALLED A MINIMUM OF 18" BELOW FINISHED GRADE. CONDUITS INSTALLED UNDER STREETS AND PARKING AREAS SHALL BE INSTALLED 24" BELOW FINISHED GRADE.
- CONDUIT RUNS FOR UNDERGROUND FEEDERS RUN OUTSIDE OF THE BUILDING SHALL BE INSTALLED 24" BELOW GRADE.
- PROVIDE A CODE SIZED COPPER GROUND CONDUCTOR IN ALL UNDERGROUND PVC CONDUIT SYSTEMS. ELECTRICAL METALLIC RACEWAY SYSTEMS SHALL BE GROUNDED TO THE SAME GROUND SYSTEM.
- EXPOSED CONDUIT SHALL BE INSTALLED PARALLEL TO AND AT RIGHT ANGLES WITH THE BUILDING FLOOR. EXPOSED CONDUITS SHALL BE GALVANIZED WHEN INSTALLED BELOW 9 FEET. EXPOSED CONDUITS ARE NOT APPROVED IN PLUBLIC AREAS.
- EXPOSED CONDUITS THAT PENETRATE WALLS OR CEILINGS SHALL BE MADE WITH 90 DEGREE "LBI" CONDUIT BODIES FOR EMT OR RIGID CONDUITS AT PENETRATING POINTS. CONDUIT SWEEP PENETRATIONS ARE NOT ACCEPTABLE.
- CONDUIT INSTALLED WITHOUT CONDUCTORS SHALL BE INSTALLED WITH PULL ROPES, CONDUIT CAPS AND PERMANENTLY LABELED TO ITS DESTINATION AND SYSTEM.

DEVICES

- SWITCHES SHALL HAVE A RATING OF 20 AMPERE AND BE TOTALLY ENCLOSED TOGGLE TYPE WITH 277V A.C. RATING FOR FULL CAPACITY. MANUFACTURED BY PASS & SEYMOUR, HUBBELL OR LEVITON.
- DEVICE AND COVER PLATE COLORS SHALL BE COORDINATED WITH THE PROJECT MANAGER AND ARCHITECT PRIOR TO INSTALLATION.
- RECEPTACLES SHALL BE GROUNDED TYPE 120 VOLT RATED AT 20 AMPERE TOTALLY ENCLOSED. MANUFACTURED BY PASS & SEYMOUR, HUBBELL OR LEVITON.
- GFI RECEPTACLES SHALL BE PROVIDED AT LOCATIONS INDICATED AND IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE ARTICLE 210.8.
- SPECIFICATION GRADE SWITCHES AND RECEPTACLES SHALL BE PROVIDED. MANUFACTURED BY PASS & SEYMOUR, HUBBELL OR LEVITON.
- GROUND MOUNTED WEATHERPROOF/GFI RECEPTACLES SHALL BE INSTALLED IN A ARLINGTON INDUSTRIES "GARDA-POST" #GPD19BR.

CONDUCTORS & WIRING

- THE WIRING METHOD FOR THE OCCUPANCY OF THIS PROJECT SHALL COMPLY WITH THE SPECIFIC CODE SECTION AS STATED IN THE ADOPTED CALIFORNIA ELECTRICAL CODE AND LOCAL ORDINANCES. EXAMPLE: HEALTH CARE FACILITIES SHALL COMPLY WITH CHAPTERS 1 THROUGH 4 AND AS MODIFIED IN ARTICLE 517 - HEALTH CARE FACILITIES.
- IDENTIFY THE OCCUPANCY TYPE OF THIS PROJECT AND PROVIDE THE PROPER WIRING MEATHODS AS IDENTIFIED IN THE CALIFORNIA ELECTRICAL CODE.
- ALL CONDUCTORS SHALL BE COPPER WITH AMPACITY RATINGS IN ACCORDANCE WITH ARTICLE 310.15 AND TABLE 310.16.
- ALUMINUM CONDUCTORS ARE NOT APPROVED FOR THIS PROJECT.
- CONDUCTORS SHALL BE CODE GRADE THHN/THWN (DRY/WET) 600 VOLT 75 DEGREE C. COPPER WITH MARKINGS (24" O.C.) INDICATING MANUFACTURE, WIRE TYPE, AMPERAGE AND SIZE.
- THE MINIMUM WIRE SIZE SHALL BE #12 AWG SOLID. WIRE SIZE #8 AND LARGER SHALL BE COPPER STRANDED.
- SOLDERLESS CONNECTORS AND TERMINALS SHALL BE USED FOR TERMINATING STRANDED CONDUCTORS #8 AND LARGER. APPROVED MANUFACTURES ARE BURNDY OR T&B.
- BRANCH CIRCUIT AND FIXTURE WIRING, SPLICES AND TAPS FOR CONDUCTORS #10 AND SMALLER SHALL BE MADE WITH UL LISTED 600 VOLT CONNECTORS AS MANUFACTURED BY IDEAL OR SCOTCHLOCK.
- CONDUCTORS IN PANELS, TERMINAL CABINETS, PULL BOXES AND WIRING GUTTERS SHALL BE NEATLY GROUPED AND TAPES TOGETHER WITH 3M "SCOTCH" #33 PLASTIC ELECTRICAL TAPE OR T&B #TY-RAP CABLE STRAPS.
- REMOVE ALL DEBRIS AND MOISTURE FROM CONDUITS, BOXES AND CABINETS BEFORE THE INSTALLATION OF CONDUCTORS.
- WHEN REQUIRED MINERALAC OR LINED SOAP ARE APPROVED WIRE PULLING COMPOUNDS. OIL, GREASE OR SIMILAR SUBSTANCES ARE NOT APPROVED AS PULLING COMPOUNDS.
- ALL CONDUCTORS SHALL BE PERMANENTLY TAGGED TO INDICATE SYSTEM OR CIRCUIT NUMBER.
- CONNECTIONS OR SPLICES LOCATED IN PULL BOXES OR OTHER SPACE BELOW GRADE SHALL BE WEATHERPROOF. #8 CONDUCTORS AND SMALLER SHALL USE SCOTCHLOCK CONNECTORS IMBEDDED WITHIN A "UNIPACK" 3M SCOTCHCAST EPOXY TYPE RESIN. #6 AND LARGER SHALL USE "HI-PRESS" HYDRAULICALLY COMPRESSED HEAVY WALL CONNECTOR AS MANUFACTURED BY THOMAS & BETTS #HS-LR OR RAYCHEM #MWM OR #MCM SERIES PRE-APPLIED SEALANT. POLYETH. HEAT SHRINKABLE TUBE INSULATOR FOR EACH CONDUCTOR OR OR COLD SHRINK TUBE INSULATORS RAYCHEN #RVS.
- BOLT TYPE SODERLESS CONNECTORS SHALL BE TIGHTEN TWICE AT 24 AND 48 HOURS AFTER THE ORIGINAL INSTALLATION AND BEFORE TAPING.



LIGHT FIXTURE CALL OUT - NUMBER INDICATES THE QUANTITY OF LIGHTS, REFER TO THE FIXTURE SCHEDULE.

DUPLEX RECEPTACLE - WALL MOUNTED +18" AFF OR AS NOTED

DUPLEX RECEPTACLE WITH USB DUAL PORT OUTLET - WALL MOUNTED +18" OR AS NOTED.

QUADPLEX RECEPTACLE - WALL MOUNTED +18" AFF OR AS NOTED

GFI DUPLEX RECEPTACLE - WALL MOUNTED MOUNTED ABOVE COUNTER OR AS REQUIRED

DUPLEX RECEPTACLE - WALL MOUNTED MOUNTED ABOVE COUNTER OR AS REQUIRED

GFI WEATHERPROOF RECEPTACLE - WALL MOUNTED +18" OR AS NOTED

DUPLEX ISOLATED GROUND RECEPTACLE - WALL MOUNTED +18" AFF OR AS NOTED

SINGLE POLE SWITCH - WALL MOUNTED +42" OR AS NOTED. SUBSCRIPT SYMBOLS INDICATE THE FOLLOWING:

OS/D - COMBINATION MOTION SENSOR AND DIMMER
3 - THREE WAY SWITCH
D - DIMMER
OS - MOTION SENSOR
M - MOTOR STARTING SWITCH
R - REMOTE CONTROL RELAY SWITCH
a,b,c, etc. - INDICATES THE NUMBER OF SWITCHES AND ITEMS CONTROLLED

JUNCTION BOX - ACCESSIBLE FOR THE APPLICATION SHOWN ON THE DRAWINGS

JUNCTION BOX - WALL MOUNTED +18" AFF OR AS NOTED

PULL BOX - SIZED IN ACCORDANCE WITH ELECTRICAL CODE ARTICLE #370

SURFACE MOUNTED PANELBOARD OR LOAD CENTER - REFER TO PANEL SCHEDULE AND GENERAL NOTES

FLUSH MOUNTED PANELBOARD AND LOAD CENTER - REFER TO PANEL SCHEDULE AND GENERAL NOTES

SYSTEM GROUND IN ACCORDANCE WITH ELECTRICAL CODE ARTICLE #250

CIRCUIT HOME RUN TO PANEL "A" CIRCUITS 2,4,6 - HASH MARKS INDICATE NUMBER OF CONDUCTORS

CONDUIT CONCEALED WITHIN BUILDING WALLS, CEILING SPACE OR CONCEALED BELOW GRADE OR IN CONCRETE SLAB. HASH MARKS INDICATE QUANTITY OF CONDUCTORS. PROVIDE CODE SIZED COPPER BOND CONDUCTOR AS REQUIRED AND REFER TO THE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

CONDUIT CONCEALED BELOW GRADE OR IN CONCRETE SLAB. HASH MARKS INDICATE QUANTITY OF CONDUCTORS. NO HASH MARKS INDICATE ONE PHASE CONDUCTOR AND ONE NEUTRAL CONDUCTOR. PROVIDE CODE SIZED COPPER BOND CONDUCTOR AS REQUIRED AND REFER TO THE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

STUB-OUT AND CAP AT GRADE - PROVIDE CONCRETE MARKER AND LABEL

DISCONNECT SWITCH - FUSED AND HP RATED ACCORDING TO THE DEVICE BEING SERVED

EXHAUST FAN - REFER TO HVAC DRAWINGS AND SPECIFICATIONS

MOTOR - REFER TO MOTOR SPECIFICATIONS

MECHANICAL EQUIPMENT CALL OUT - LETTER IDENTIFIES UNIT TYPE, NUMBER IDENTIFIES UNIT REFER TO HVAC DRAWINGS AND SPECIFICATIONS FOR SPECIFIC REQUIREMENTS

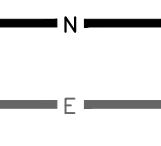
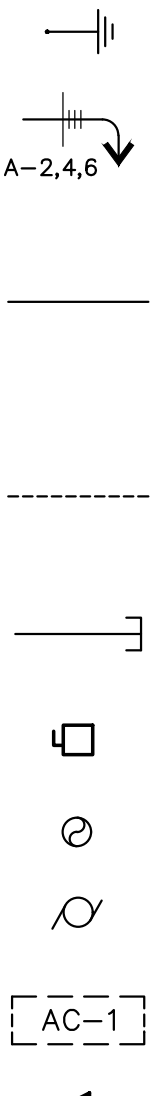
DATA OUTLET DUAL PORT - WALL MOUNTED +18" OR AS NOTED. PROVIDE A 3/4" CONDUIT AND CAT-6 CABLE TO THE COMMUNICATION BACKBOARD COMPUTER SYSTEM PATCH PANEL UNLESS OTHERWISE NOTED.

TELEPHONE OUTLET - WALL MOUNTED +18" OR AS NOTED. PROVIDE A 3/4" CONDUIT AND CAT-6 CABLE TO THE COMMUNICATION BACKBOARD UNLESS OTHERWISE NOTED.

COMBINATION DATA / TELEPHONE OUTLET - WALL MOUNTED +18" OR AS NOTED. PROVIDE 3/4" CONDUIT AND 2 CAT-6 CABLES TO THE COMMUNICATION BACKBOARD AND TERMINATE TO THEIR RESPECTIVE TERMINATION POINTS.

FEEDER - NEW

FEEDER - EXISTING



LEGEND

SCALE: 2
NTS

| | | |
|---|-------------------------------------|----------------------------------|
| AWG - AMERICAN WIRE GAUGE | JB - JUNCTION BOX | P - POLE |
| AMP, A - AMPERES | KVA - KILOVOLT AMPERES | PB - PULL BOX |
| AIC - INTERRUPTING CAPACITY (SYMMETRICAL) | KW - KILOWATT | PH - PHASE |
| CIRC, CKT - CIRCUIT | LCL - LONG CONTINUOUS LOAD | PVC - POLYVINYL CHLORIDE CONDUIT |
| CB - CIRCUIT BREAKER | LGT - LIGHT, LIGHTS, LIGHTING | PWR - POWER |
| CU - COPPER | MCB - MAIN CIRCUIT BREAKER | REC, RECEPT - RECEPTACLE |
| DIA - DIAMETER | MIN - MINIMUM | TYP - TYPICAL |
| EC - ELECTRICAL CONTRACTOR | M.O - MAIN LUGS ONLY | UGRS - UNDERGROUND PULL SECTION |
| EMT - ELECTRICAL METALLIC TUBING | MCM, KCMIL - THOUSAND CIRCULAR MILS | V - VOLTS |
| EG - EQUIPMENT GROUND (GREEN) | MFR - MANUFACTURER | VA - VOLT AMPERES |
| E - EXISTING | MTD, MTO - MOUNTED, MOUNTING | WP - WEATHERPROOF |
| F - FUSED | NEC - NATIONAL ELECTRICAL CODE | W - WIRE |
| FLA - FULL LOAD AMPS | NTS - NOT TO SCALE | XFMR - TRANSFORMER |
| GRN - GROUND | NIC - NOT IN CONTRACT | |

ABBREVIATIONS

SCALE: 1
NTS

GENERAL NOTES

SCALE: 3
NTS

ISSUANCE:
-

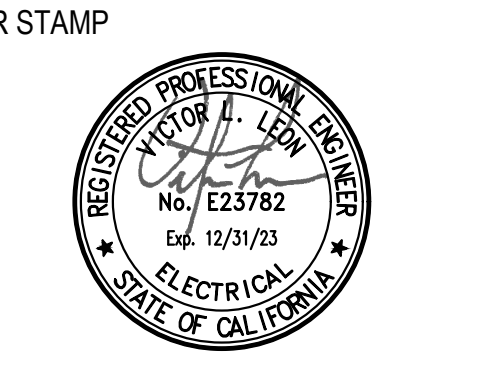
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| 2 | 08.17.2023 | PLAN CHECK COMMENTS |

DATE: 05-03-2023
PROJECT NUMBER: 22.HFC.001

DRAWN BY: GL
CHECKED BY: FR

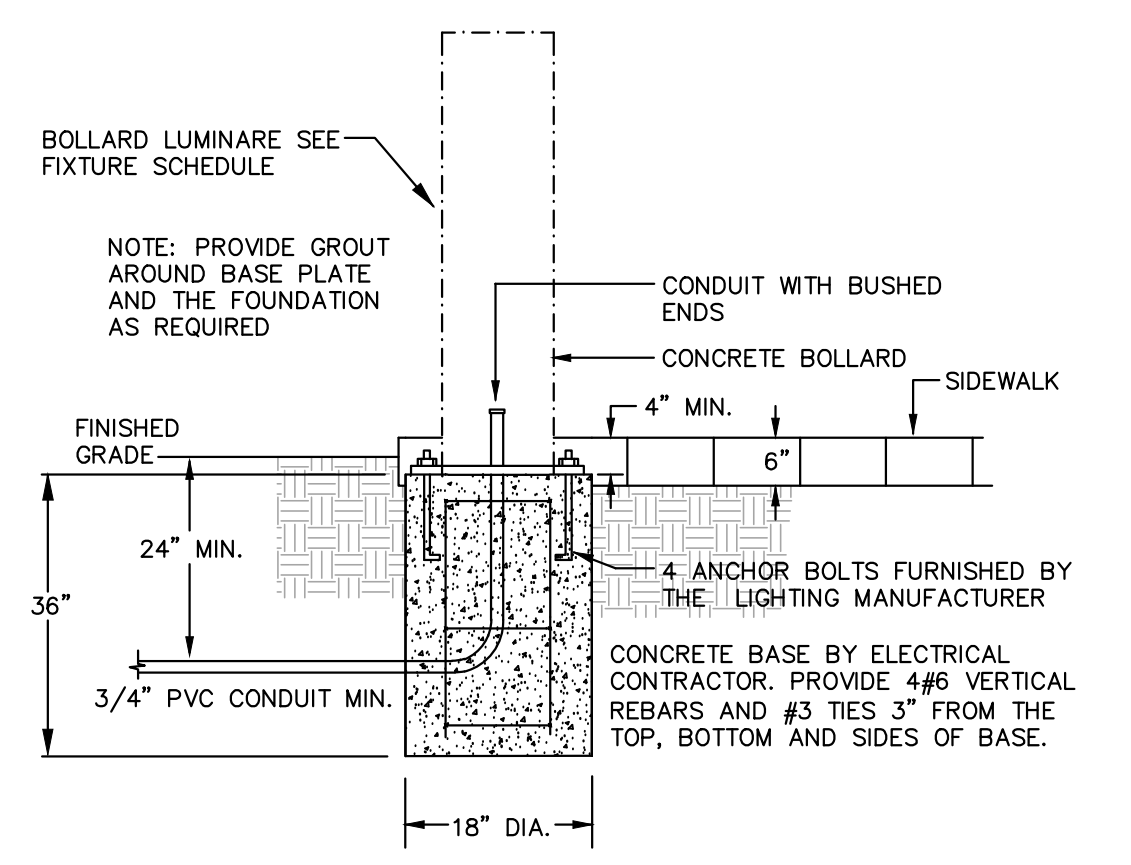
SHEET TITLE:
ELECTRICAL GENERAL NOTES, LEGEND AND ABBREVIATIONS

SHEET NO: LE-3



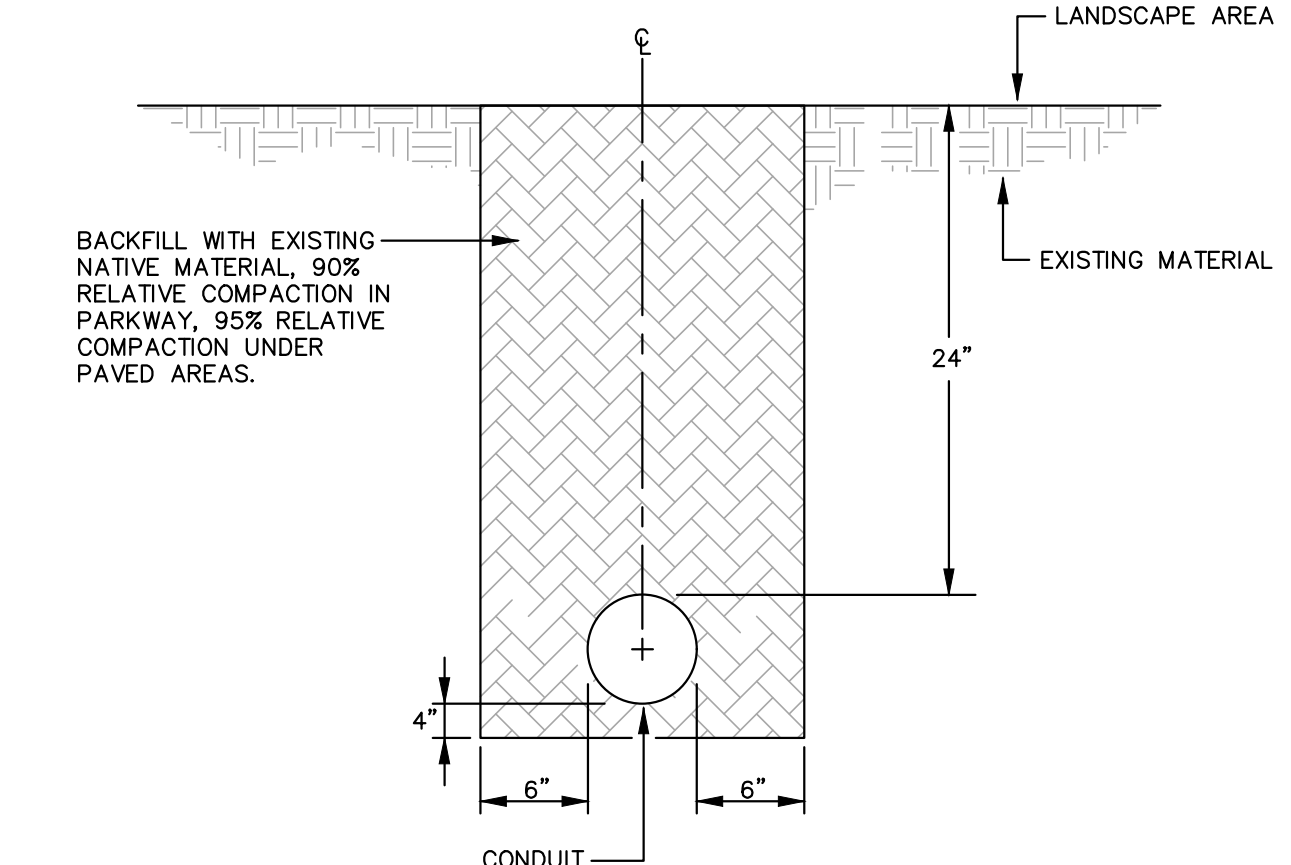
PROJECT:

OTAY SWIM CLUB
 Chula Vista, CA



BOLLARD FIXTURE BASE DETAIL

SCALE: 4
 NTS



TYPICAL CONDUIT TRENCH DETAIL

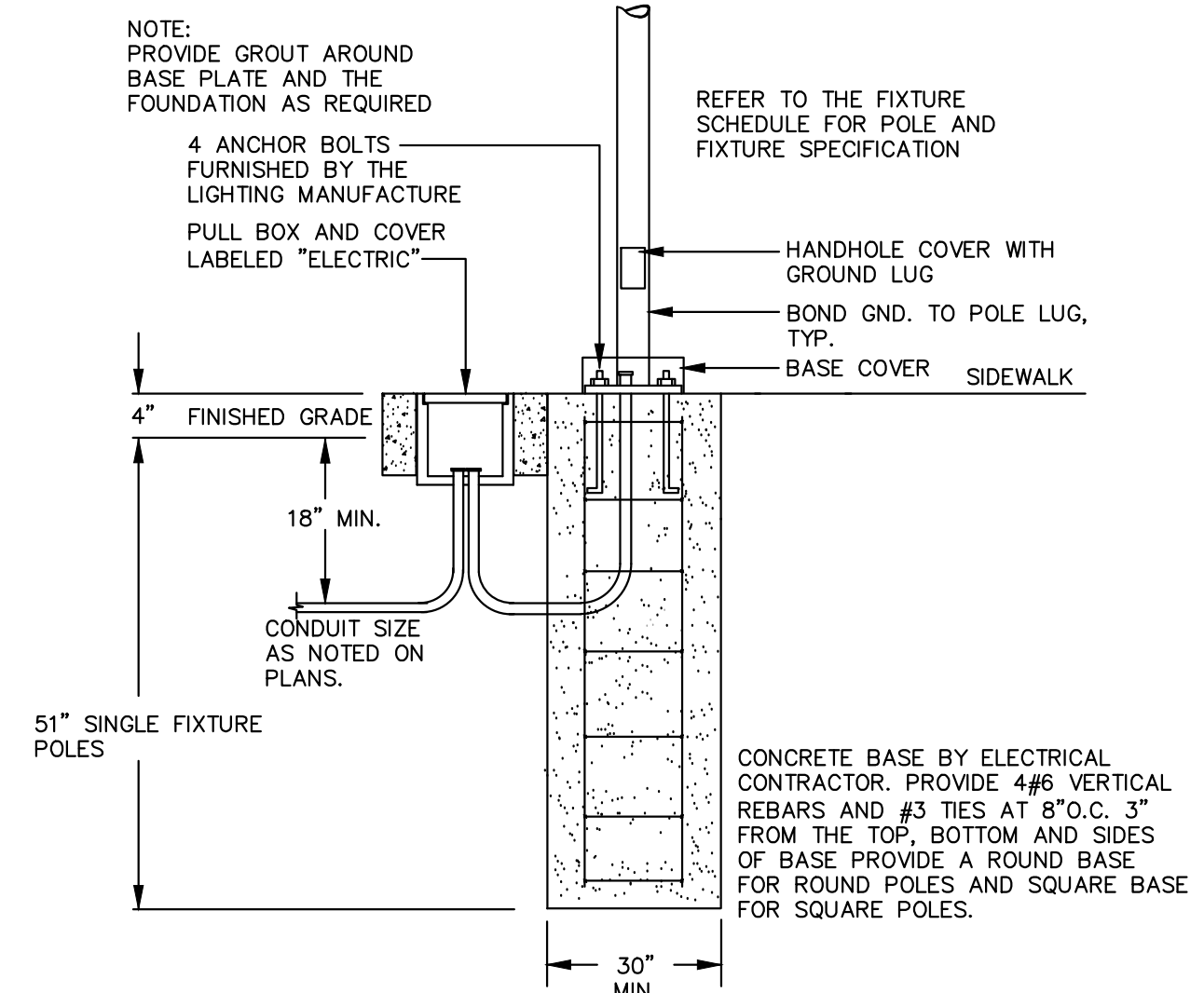
SCALE: 3
 NTS

| NOTE | LOAD DESCRIPTION USE/AREA SERVED | C.B. SIZE | POLES | 25% CONT. | LOAD / VA | | | C.B. SIZE | LOAD DESCRIPTION USE/AREA SERVED | NOTE | | | |
|------------------------------|----------------------------------|-----------|-------|-----------|-----------|------|------|--------------------------------------|----------------------------------|------|---------------------------|-------------------|--|
| | | | | | φ A | φ B | φ C | | | | | | |
| | 2 LIGHTING - EXTERIOR BLDG. | 20 | 1 | Y | 1 | 400 | | 2 | Y | 20 | LIGHTING - RESTROOMS/STOR | 2 | |
| | SPACE | | | | 3 | 350 | | 2 | Y | 1 | 20 | LIGHTING - CABANA | |
| | SPACE | | | | 5 | 500 | | 2 | Y | 1 | 20 | LIGHTING - CABANA | |
| | SPACE | | | | 7 | | | 8 | | | | SPACE | |
| | SPACE | | | | 9 | | | 8 | | | | SPACE | |
| | RECEPTS - CABANA | 20 | 1 | N | 9 | 360 | | 10 | | | | SPACE | |
| | LIGHTING - SITE | 20 | 1 | Y | 11 | | 451 | 12 | | | | SPACE | |
| | LIGHTING - SITE | 20 | 1 | Y | 13 | 492 | | 14 | | | | SPACE | |
| | LIGHTING - SITE | 20 | 1 | Y | 15 | 524 | | 16 | | | | SPACE | |
| | LIGHTING - SITE | 20 | 1 | Y | 17 | | 494 | 18 | | | | SPACE | |
| SUBTOTAL CONNECTED LOAD / VA | | | | | 1242 | 1384 | 945 | | | | | | |
| 25% CONTINUOUS LOAD / VA | | | | | 311 | 256 | 236 | | | | | | |
| TOTAL CONNECTED LOAD / VA | | | | | 1553 | 1640 | 1181 | HIGHEST LEG VA 1640 @ 120V 13.7 AMPS | | | | | |

NOTE:
 1- BY BUILDING ELECTRICAL ENGINEER.
 2- CIRCUITS BY BUILDING ELECTRICAL ENGINEER.

PANEL SCHEDULE

SCALE: 6
 NTS



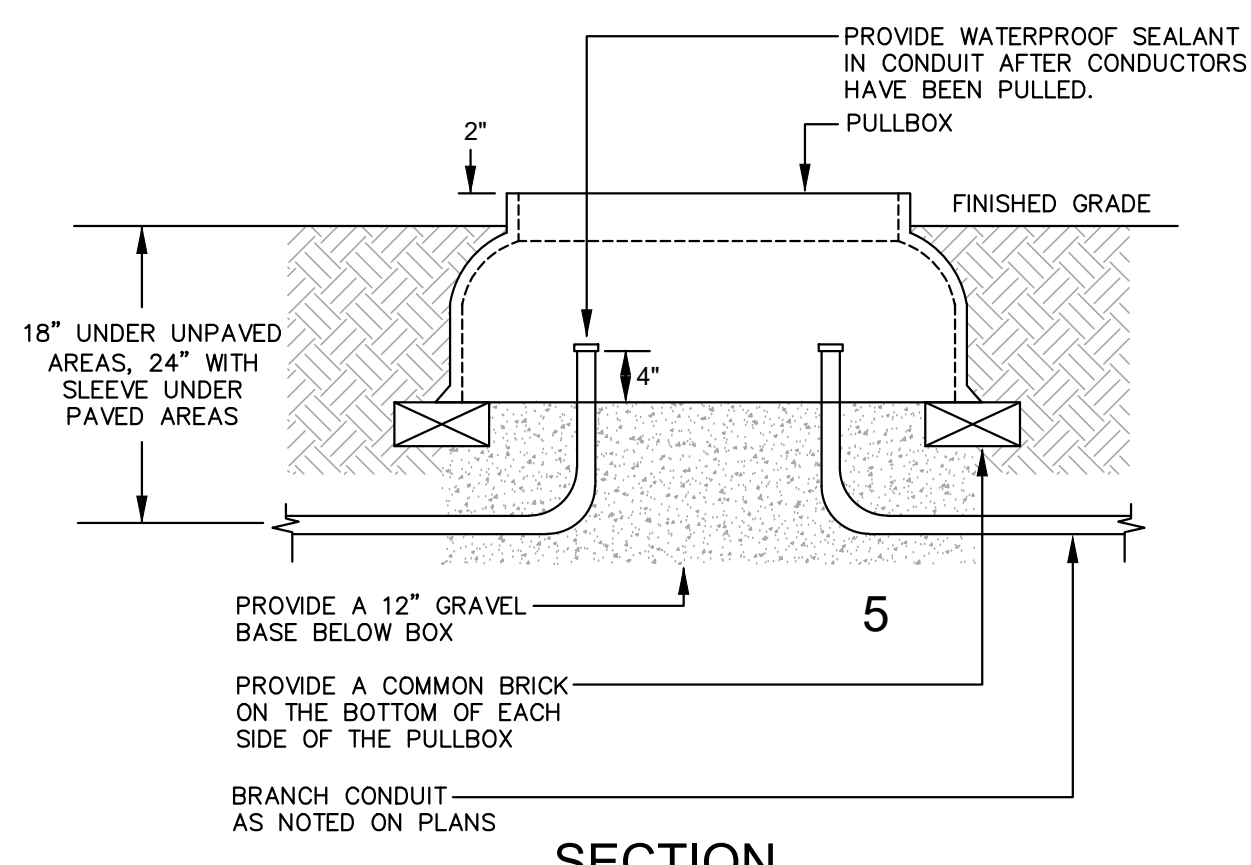
POLE BASE MOUNTED DETAIL

SCALE: 2
 NTS

| LIGHTING FIXTURE SCHEDULE | | | | | | |
|--|--------|---|---------|---------|---------------|--|
| (REFER TO THE PROJECT ELECTRICAL GENERAL NOTES FOR ADDITIONAL LIGHTING FIXTURE REQUIREMENTS) | | | | | | |
| TYPE | SYMBOL | FIXTURE MANUFACTURE | WATTAGE | VOLTAGE | LAMP TYPE | DESCRIPTION AND NOTES |
| SA | ⊕ | INTRIGUE LIGHTING #EL-PAS-37-30K-D-OL-120-TO BE DETERMINED | 41 | 120 | LEDS INCLUDED | DECORATIVE LED AREA LIGHT MOUNTED ON A 15'-0" POLE |
| SB | ⊕ | KIM LIGHTING #B30-LED-20L-3K-DBT | 25 | 120 | LEDS INCLUDED | 42" BOLLARD |
| SC | ⊙ | BK LIGHTING #HP2-LED-TR-EB6-MFL-A9-12 | 7 | 120 | LEDS INCLUDED | LED UPLIGHT |
| SD | ⊕ | KIM LIGHTING #CFL-WF-21-3K-35-JV-DBT-8F | 26 | 120 | LEDS INCLUDED | LED FLOODLIGHT |
| SE | ⊕ | KIM LIGHTING #KLV217-33-3K-DB215DB | 9.5 | 120 | LEDS INCLUDED | MICRO FLOOD LED |
| X | ⊕ | EXTRONIX #EG100-1-R | N/A | N/A | N/A | SELF ILLUMINATED / PHOTOLUMINESCENT EXIT SIGN. |

LIGHTING FIXTURE SCHEDULE

SCALE: 8
 NTS

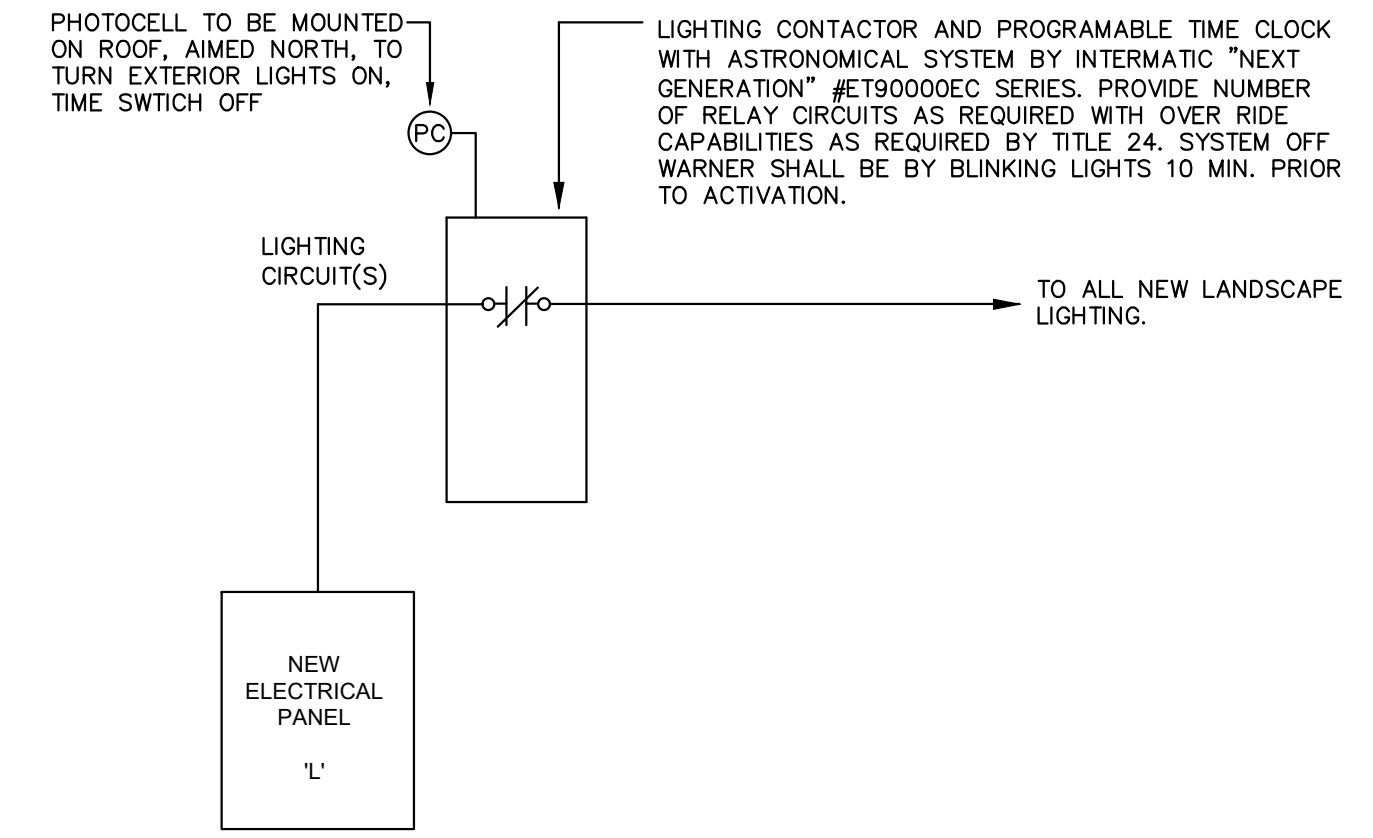


SECTION

NOTE:
 PULL BOXES SHALL BE PROVIDED AT EACH PEDESTAL LOCATION, AT EACH END OF SLEEVES, AND AT ALL TREE LOCATIONS AS INDICATED ON THE DRAWINGS. CONDUIT RUNS SHALL BE A MAXIMUM 150' BETWEEN PULLBOXES.

INGROUND PULLBOX DETAIL

SCALE: 5
 NTS



EXTERIOR LIGHTING TIME CLOCK

SCALE: 1
 NTS

ISSUANCE:
 -

REVISIONS:

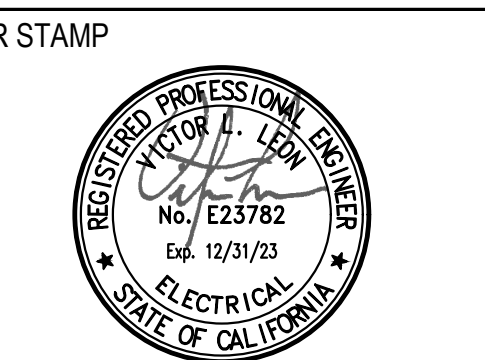
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| Δ | 08.17.2023 | PLAN CHECK COMMENTS |

DATE: 05-03-2023
 PROJECT NUMBER:
 22.HFC.001

DRAWN BY: GL
 CHECKED BY: FR

SHEET TITLE:
ELECTRICAL DETAILS AND SCHEDULES

SHEET NO:
LE-4



PROJECT:

OTAY SWIM CLUB
Chula Vista, CA

ISSUANCE:

| # | DATE | DESCRIPTION |
|---|------------|---------------------|
| ▲ | 05.03.2023 | PLAN CHECK COMMENTS |
| ▲ | 08.17.2023 | PLAN CHECK COMMENTS |

DATE: 05-03-2023

PROJECT NUMBER:
22.HFC.001

DRAWN BY: GL
CHECKED BY: FR

SHEET TITLE:

TITLE 24
COMPLIANCE
FORMS

SHEET NO:

LE-5

SCALE:
NTS 1

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTO-E
Project Name: Cota Vera Swim Club Report Page: (Page 3 of 7)
Project Address: Date Prepared: 1/10/2023

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
For new or altered lighting systems demonstrating compliance with §140.2, all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(2), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e. existing luminaires remaining or existing luminaires being moved are not included).

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 |
|------------------|--------------------------------|----------------------------------|---------------------------|---|-------------------------------|------------------------|----------------------------|---|---------------------------|
| Name or Item Tag | Complete Luminaire Description | Watts per luminaire ¹ | How is Wattage determined | Total number of luminaires ² | Luminaire Status ³ | Excluded per §140.7(a) | Design Watts | Cutoff Req. > 6,200 Initial lumen output §130.2(b) ⁴ | Field Inspector Pass/Fail |
| Type SA | 41w LED | 41 | Mfr. Spec | 24 | New | | 984 | NA: < 6200 lumens | <input type="checkbox"/> |
| Type SB | 25w LED | 25 | Mfr. Spec | 6 | New | | 150 | NA: < 6200 lumens | <input type="checkbox"/> |
| | | | | | | | Total Design Watts: | 1134 | |

G. CUTOFF REQUIREMENTS (BUG)
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft
Report Generated: 2023-01-10 10:01:52

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTO-E
Project Name: Cota Vera Swim Club Report Page: (Page 2 of 7)
Project Address: Date Prepared: 1/10/2023

C. COMPLIANCE RESULTS
Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
|---|--|---|---------------------------------------|--|---|-----------------------|----------------------|------------------|
| General Hardship Allowance §140.7(d)(1) (See Table I) | Per Application §140.7(d)(2) (See Table J) | Sales Frontage §140.7(d)(2) (See Table K) | Ornamental §140.7(d)(2) (See Table L) | Per Specific Area §140.7(d)(2) (See Table M) | Existing Power Allowance §141.0(b)(2) (See Table N) | Total Allowed (Watts) | Total Actual (Watts) | 07 must be >= 08 |
| 1,144.43 | --- | --- | --- | --- | --- | 1,144.43 | 1,134 | COMPLIES |
| Cutoff Compliance (See Table G for Details) | | | | | | | | N/A |
| Controls Compliance (See Table H for Details) | | | | | | | | COMPLIES |

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft
Report Generated: 2023-01-10 10:01:52

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTO-E
Project Name: Cota Vera Swim Club Report Page: (Page 6 of 7)
Project Address: Date Prepared: 1/10/2023

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV.

| Yes | No | Form/Title | Field Inspector Pass/Fail |
|----------------------------------|-----------------------|--|---------------------------|
| <input checked="" type="radio"/> | <input type="radio"/> | NRCI-LTO-01-E - Must be submitted for all buildings | <input type="checkbox"/> |
| <input checked="" type="radio"/> | <input type="radio"/> | NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance. | <input type="checkbox"/> |

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

| Yes | No | Form/Title | Field Inspector Pass/Fail |
|----------------------------------|-----------------------|--|---------------------------|
| <input checked="" type="radio"/> | <input type="radio"/> | NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires. | <input type="checkbox"/> |

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft
Report Generated: 2023-01-10 10:01:52

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTO-E
Project Name: Cota Vera Swim Club Report Page: (Page 5 of 7)
Project Address: Date Prepared: 1/10/2023

I. LIGHTING POWER ALLOWANCE (per §140.7)
This table includes areas using allowance calculations per §140.7. General Hardship Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

| 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | |
|---|-------------------------|------------------------|--------------------|---------------------------|------------------------------|------------------------------|-----------------------|------------------------|--------------------------|---------------------------------|
| General Hardship Allowance Table I (Below) | Per Application Table J | Sales Frontage Table K | Ornamental Table L | Per Specific Area Table M | Area Wattage Allowance (AWA) | Area Wattage Allowance (AWA) | Perimeter Length (lf) | Allowed Density (W/lf) | Linear Allowance (Watts) | Total General AWA + LWA (Watts) |
| | | | | | 2149 | 2149 | 0.4 | 537.25 | 794.425 | 350 |
| Initial Wattage Allowance for Entire Site (Watts): | | | | | | | | | | 350 |
| Total General Hardship Allowance (Watts): | | | | | | | | | | 1144.425 |

J. LIGHTING ALLOWANCE: PER APPLICATION
This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
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STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTO-E
Project Name: Cota Vera Swim Club Report Page: (Page 1 of 7)
Project Address: Date Prepared: 1/10/2023

A. GENERAL INFORMATION

| | | | |
|---|---|---|-------|
| 01 Project Location (city) | Chula Vista | 04 Total Illuminated Hardscape Area (ft²) | 10287 |
| 02 Climate Zone | 7 | | |
| 03 Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ): | | | |
| <input type="checkbox"/> LZ-0: Very Low - Undeveloped Parkland | <input type="checkbox"/> LZ-2: Moderate - Rural Areas | <input type="checkbox"/> LZ-4: High - Must be reviewed by CA Energy Commission for Approval | |
| <input type="checkbox"/> LZ-1: Low - Developed Parkland | <input checked="" type="checkbox"/> LZ-3: Moderately High - Urban Areas | | |

B. PROJECT SCOPE
This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) for alterations.

My Project Consists of:

| 01 | 02 |
|---|--|
| <input checked="" type="checkbox"/> New Lighting System | Must Comply with Allowances from §140.7 |
| <input type="checkbox"/> Altered Lighting System | Is your alteration increasing the connected lighting load (Watts)? <input type="radio"/> Yes <input checked="" type="radio"/> No |
| 03 % of Existing Luminaires Being Altered ¹ | |
| Sum Total of Luminaires Being Added or Altered | |
| 04 Calculation Method | |
| <input type="checkbox"/> < 10% | <input type="checkbox"/> >= 10% and < 50% |
| <input type="checkbox"/> >= 50% | |

Please proceed to Table F, Outdoor Lighting Fixture Schedule to define the project's luminaires.

¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft
Report Generated: 2023-01-10 10:01:52

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTO-E
Project Name: Cota Vera Swim Club Report Page: (Page 4 of 7)
Project Address: Date Prepared: 1/10/2023

H. OUTDOOR LIGHTING CONTROLS
This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application. When an option having a "*" is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Mandatory Controls

| 01 | 02 | 03 | 04 | 05 |
|------------------|-----------------------|----------------------------|----------------------------|---------------------------|
| Area Description | Shut-Off §130.2(c)(1) | Auto-Schedule §130.2(c)(2) | Motion Sensor §130.2(c)(3) | Field Inspector Pass/Fail |
| Outdoor Lighting | Astronomical Timer | Yes | Yes | <input type="checkbox"/> |

NOTES: Controls with a "*" require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off. EXCEPTION 2 to §130.2(c)

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft
Report Generated: 2023-01-10 10:01:52

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCCLTO-E
Project Name: Cota Vera Swim Club Report Page: (Page 7 of 7)
Project Address: Date Prepared: 1/10/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Gilbert Leyva
Signature Date: 2023-01-10
Address: 74770 HIGHWAY 111, SUITE 203 INDIAN WELLS CA 92210
Phone: 760.363.9291

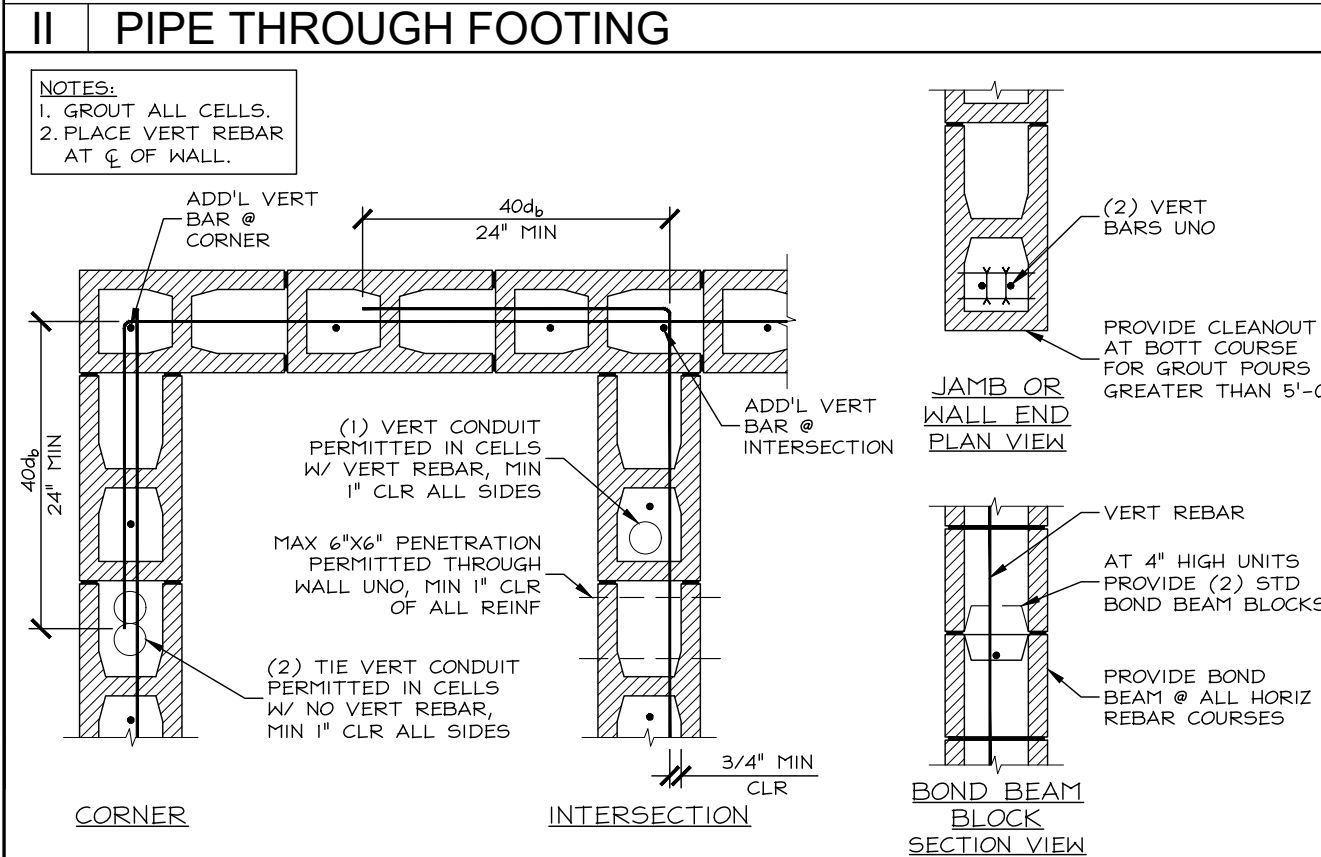
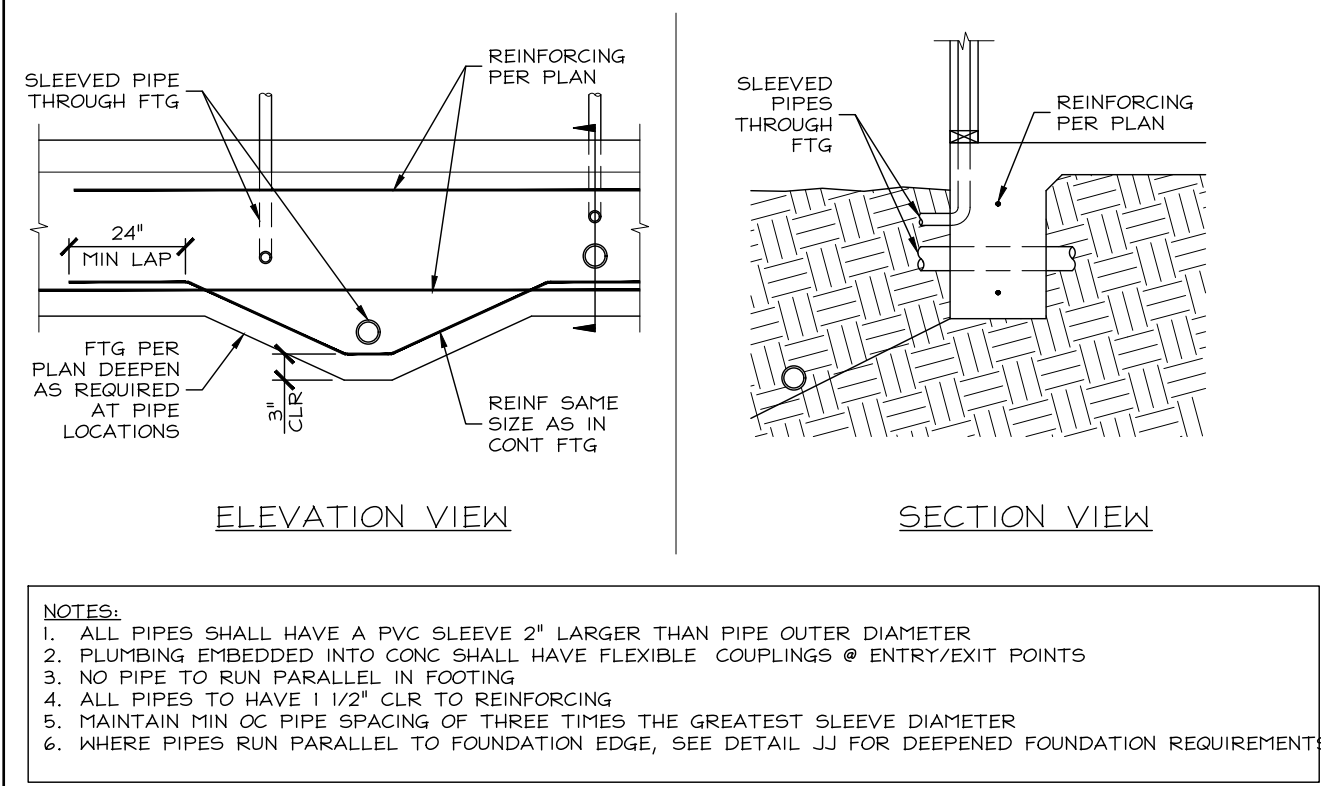
RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Victor Leon
Signature Date: 2023-01-10
Address: 74770 Highway 111 Suite 203 Indian Wells CA
Phone: 760.340.9005

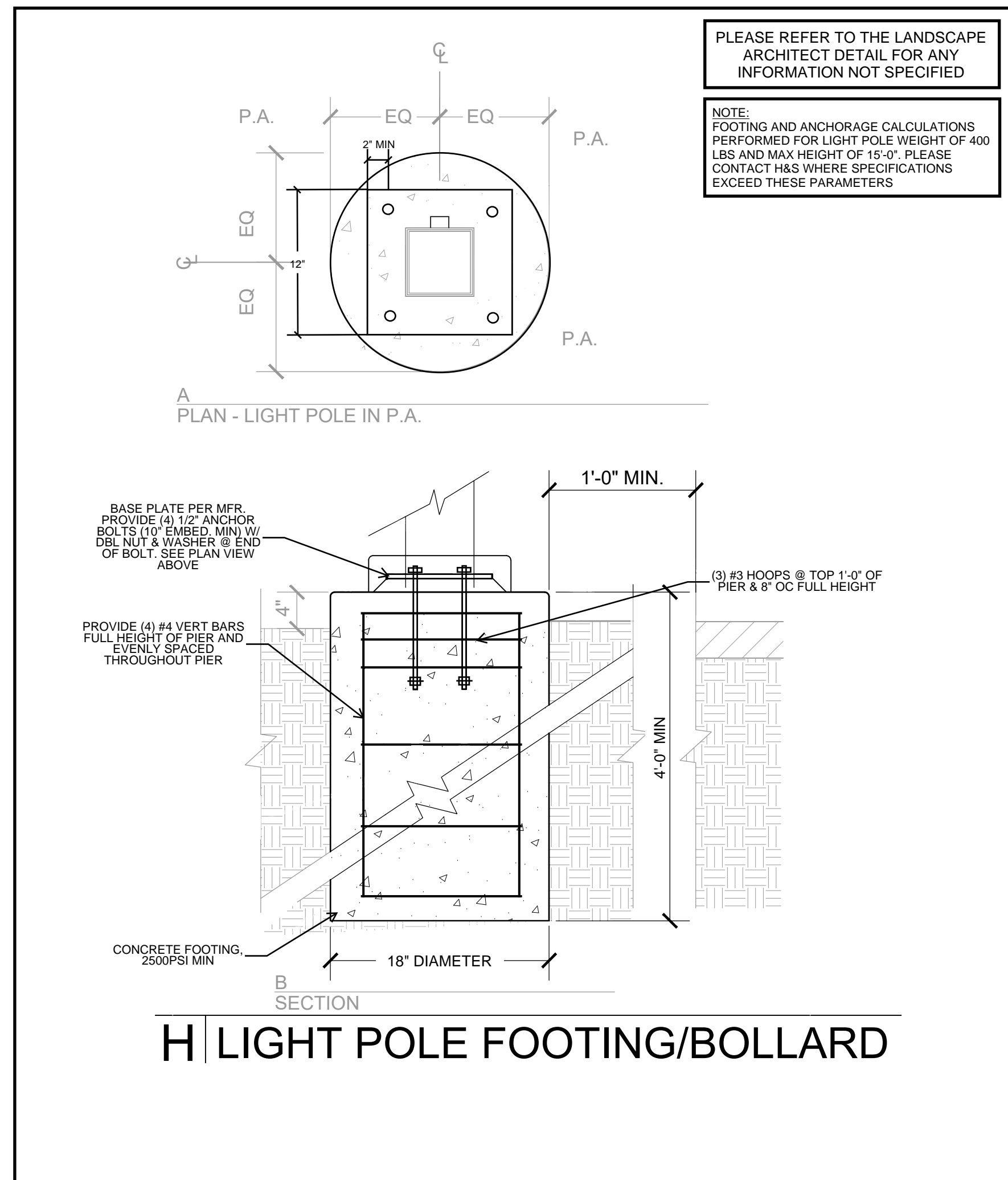
Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft
Report Generated: 2023-01-10 10:01:52

STANDARD NOTES AND SPECIFICATIONS

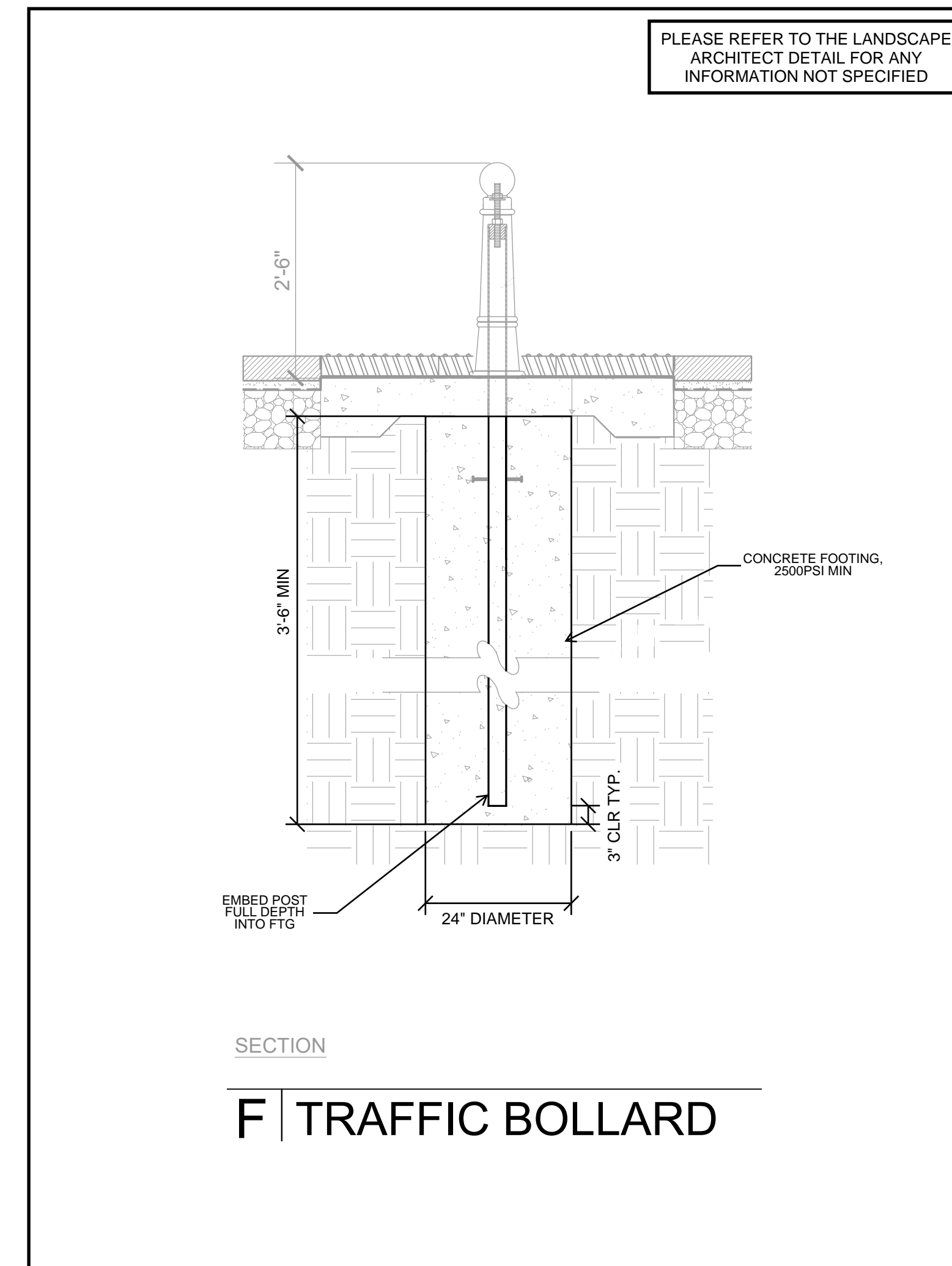


CC TYP MASONRY WALL FRAMING

| TYPICAL REINFORCING PROPERTIES & LENGTHS | |
|--|--|
| REINFORCEMENT PROPERTIES | |
| BAR SIZE | 40 44 48 52 56 60 64 68 72 76 80 84 88 92 96 100 104 108 112 116 120 124 128 132 136 140 144 148 152 156 160 164 168 172 176 180 184 188 192 196 200 204 208 212 216 220 224 228 232 236 240 244 248 252 256 260 264 268 272 276 280 284 288 292 296 300 304 308 312 316 320 324 328 332 336 340 344 348 352 356 360 364 368 372 376 380 384 388 392 396 400 404 408 412 416 420 424 428 432 436 440 444 448 452 456 460 464 468 472 476 480 484 488 492 496 500 504 508 512 516 520 524 528 532 536 540 544 548 552 556 560 564 568 572 576 580 584 588 592 596 600 604 608 612 616 620 624 628 632 636 640 644 648 652 656 660 664 668 672 676 680 684 688 692 696 700 704 708 712 716 720 724 728 732 736 740 744 748 752 756 760 764 768 772 776 780 784 788 792 796 800 804 808 812 816 820 824 828 832 836 840 844 848 852 856 860 864 868 872 876 880 884 888 892 896 900 904 908 912 916 920 924 928 932 936 940 944 948 952 956 960 964 968 972 976 980 984 988 992 996 1000 1004 1008 1012 1016 1020 1024 1028 1032 1036 1040 1044 1048 1052 1056 1060 1064 1068 1072 1076 1080 1084 1088 1092 1096 1100 1104 1108 1112 1116 1120 1124 1128 1132 1136 1140 1144 1148 1152 1156 1160 1164 1168 1172 1176 1180 1184 1188 1192 1196 1200 1204 1208 1212 1216 1220 1224 1228 1232 1236 1240 1244 1248 1252 1256 1260 1264 1268 1272 1276 1280 1284 1288 1292 1296 1300 1304 1308 1312 1316 1320 1324 1328 1332 1336 1340 1344 1348 1352 1356 1360 1364 1368 1372 1376 1380 1384 1388 1392 1396 1400 1404 1408 1412 1416 1420 1424 1428 1432 1436 1440 1444 1448 1452 1456 1460 1464 1468 1472 1476 1480 1484 1488 1492 1496 1500 1504 1508 1512 1516 1520 1524 1528 1532 1536 1540 1544 1548 1552 1556 1560 1564 1568 1572 1576 1580 1584 1588 1592 1596 1600 1604 1608 1612 1616 1620 1624 1628 1632 1636 1640 1644 1648 1652 1656 1660 1664 1668 1672 1676 1680 1684 1688 1692 1696 1700 1704 1708 1712 1716 1720 1724 1728 1732 1736 1740 1744 1748 1752 1756 1760 1764 1768 1772 1776 1780 1784 1788 1792 1796 1800 1804 1808 1812 1816 1820 1824 1828 1832 1836 1840 1844 1848 1852 1856 1860 1864 1868 1872 1876 1880 1884 1888 1892 1896 1900 1904 1908 1912 1916 1920 1924 1928 1932 1936 1940 1944 1948 1952 1956 1960 1964 1968 1972 1976 1980 1984 1988 1992 1996 2000 2004 2008 2012 2016 2020 2024 2028 2032 2036 2040 2044 2048 2052 2056 2060 2064 2068 2072 2076 2080 2084 2088 2092 2096 2100 2104 2108 2112 2116 2120 2124 2128 2132 2136 2140 2144 2148 2152 2156 2160 2164 2168 2172 2176 2180 2184 2188 2192 2196 2200 2204 2208 2212 2216 2220 2224 2228 2232 2236 2240 2244 2248 2252 2256 2260 2264 2268 2272 2276 2280 2284 2288 2292 2296 2300 2304 2308 2312 2316 2320 2324 2328 2332 2336 2340 2344 2348 2352 2356 2360 2364 2368 2372 2376 2380 2384 2388 2392 2396 2400 2404 2408 2412 2416 2420 2424 2428 2432 2436 2440 2444 2448 2452 2456 2460 2464 2468 2472 2476 2480 2484 2488 2492 2496 2500 2504 2508 2512 2516 2520 2524 2528 2532 2536 2540 2544 2548 2552 2556 2560 2564 2568 2572 2576 2580 2584 2588 2592 2596 2600 2604 2608 2612 2616 2620 2624 2628 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9832 98 |



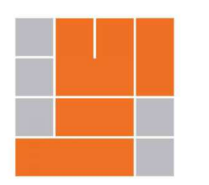
H | LIGHT POLE FOOTING/BOLLARD



FOR JURISDICTION USE:

Structural
Mechanical
Electrical
Plumbing

2295 Gateway Oaks Dr
Sacramento, CA 95833
tel 916.921.2800
fax 916.921.2878



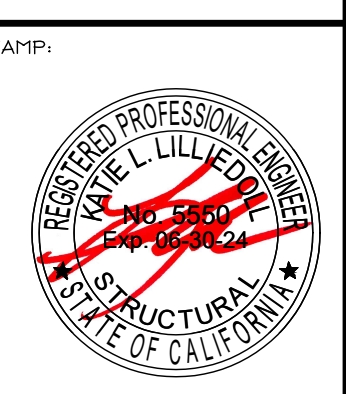
harris & sloan

COTA VERA SWIM CLUB
CHULA VISTA, CA

HOMEFED CORPORATION
1903 WRIGHT PLACE, SUITE 200
CARLSBAD, CA 92008

PROJECT: PROJECT MANAGER: P.J.
DESIGNER: L.K.
DRAWN BY: L.K.
CHECKED BY: P.J.
ISSUE DATE: 05-03-2023

REVISIONS:



PLAN NUMBER:

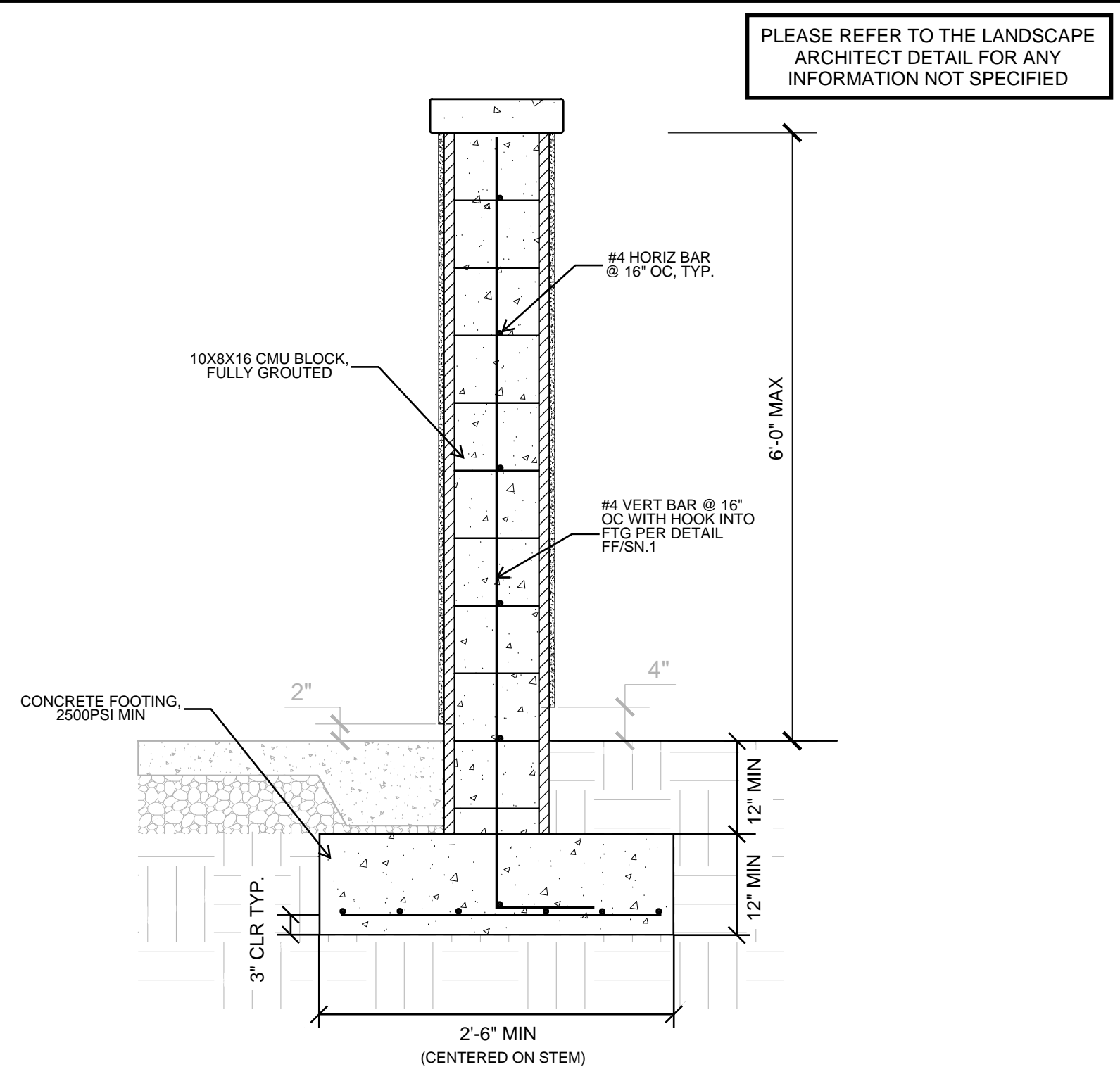
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SITE STRUCTURE DETAILS

SCALE:
SHEET NUMBER:

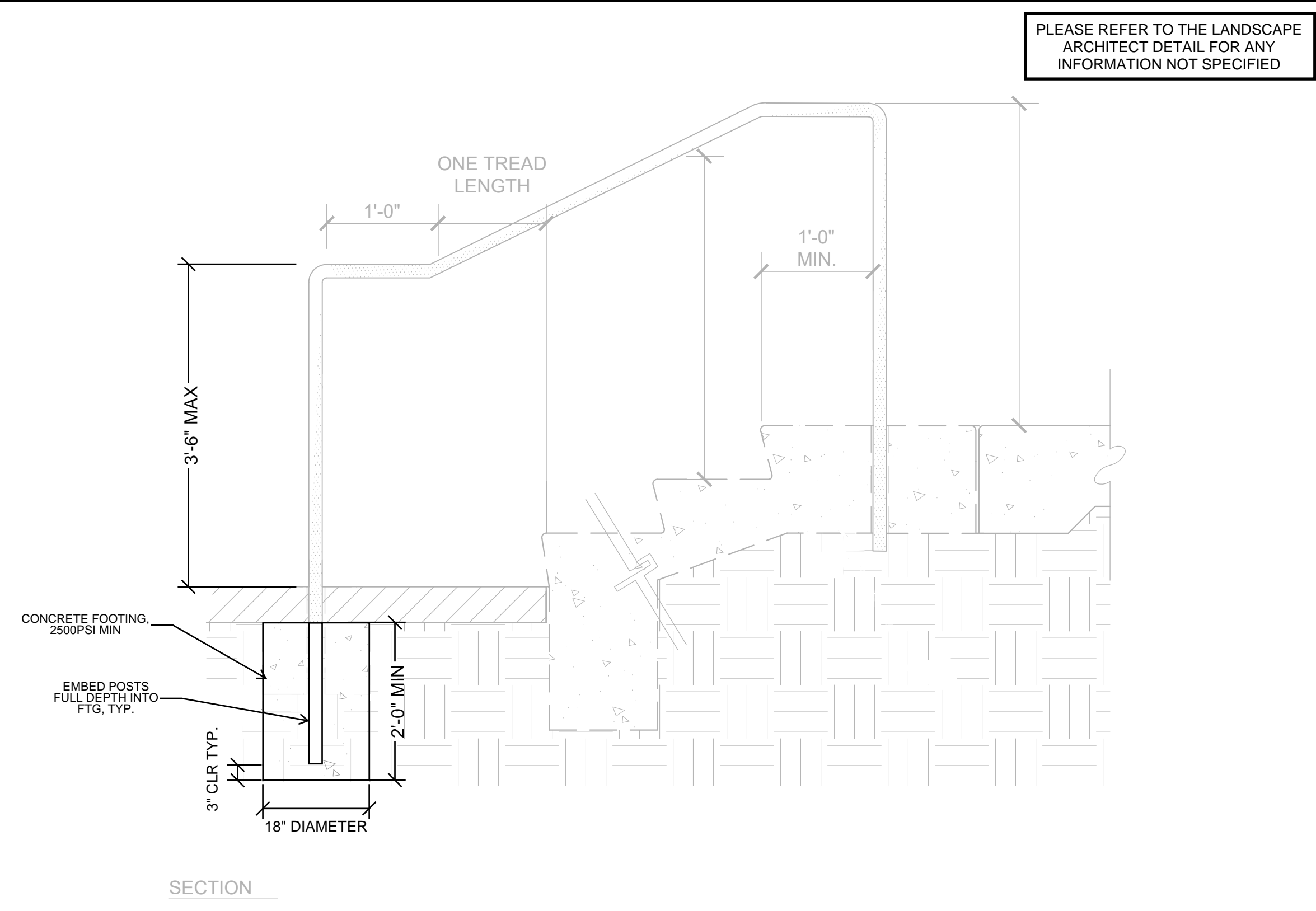
SSD-1

JOB NUMBER: 4822244



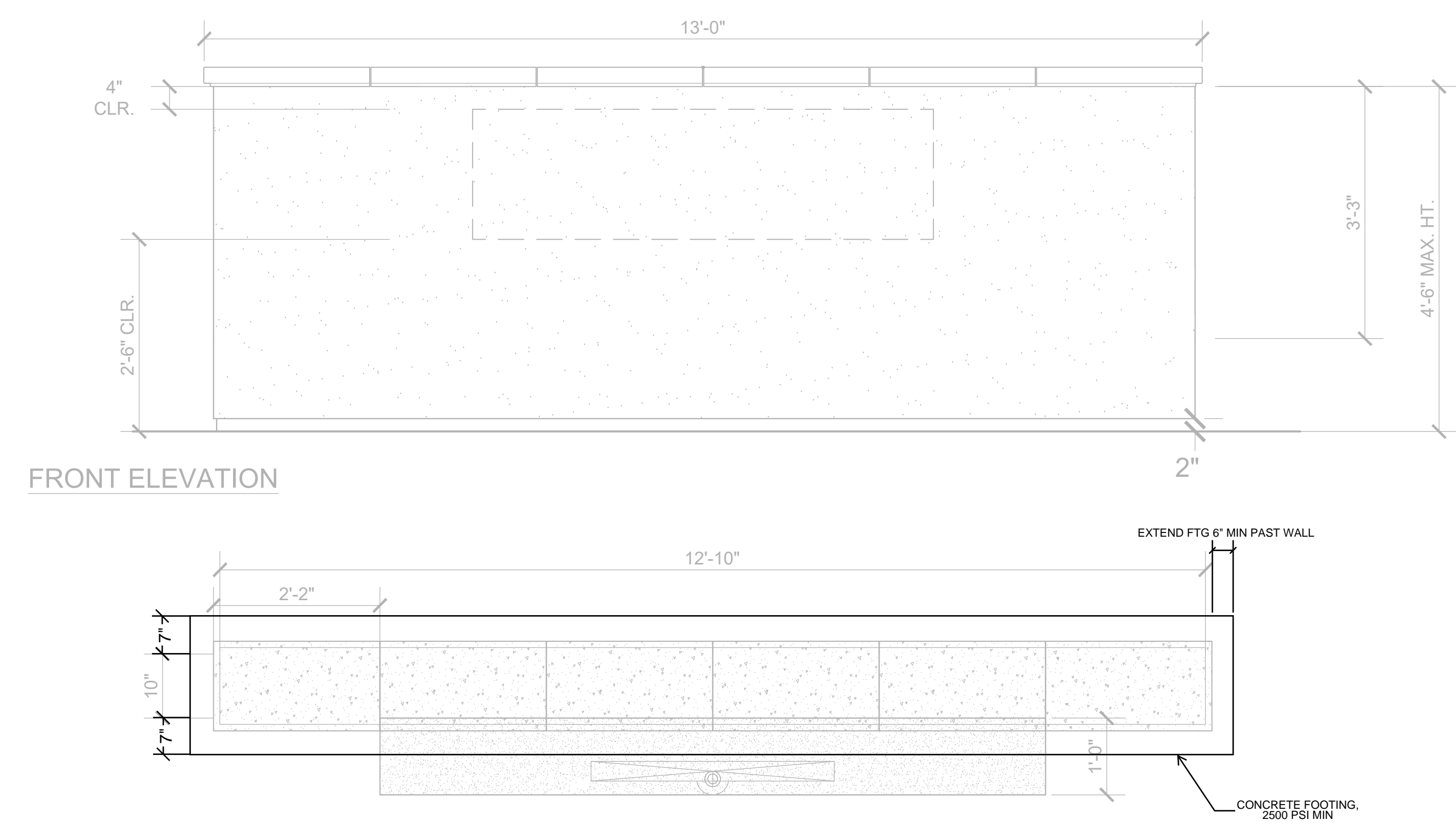
WALL SECTION

D CMU WALL WITH STUCCO FINISH



SECTION

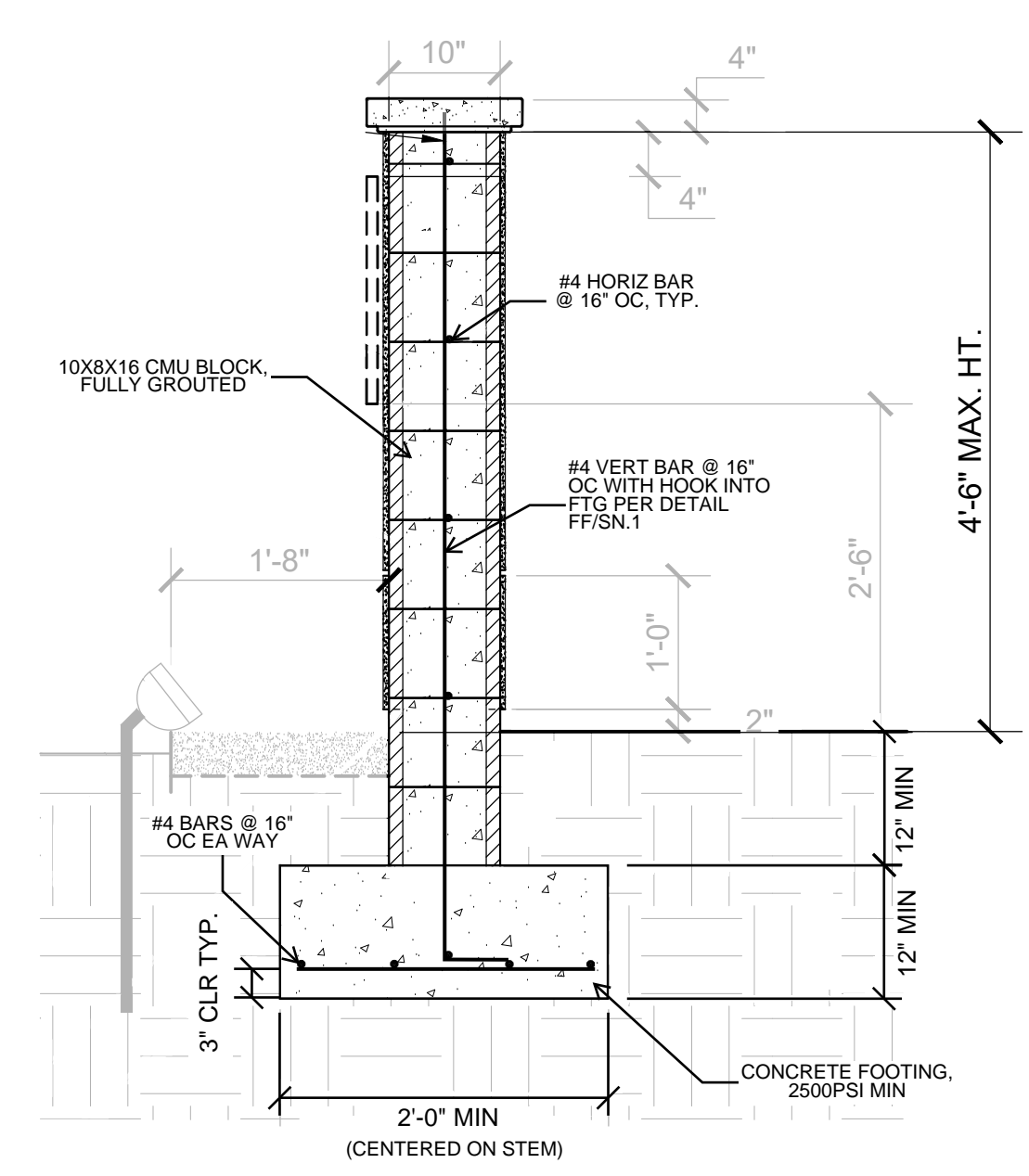
A HANDRAIL AT STAIRS



FRONT ELEVATION

PLAN

C ADDRESS WALL



WALL SECTION

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fax 916.921.2878



PROJECT: COTA VERA SWIM CLUB
CLIENT: CHULA VISTA, CA
PROJECT MANAGER: P.J.
DESIGNER: L.K.
DRAWN BY: L.K.
CHECKED BY: P.J.
ISSUE DATE: 05-03-2023

REVISIONS:

STAMP:
REGISTERED PROFESSIONAL ENGINEER
NO. 51512
DATE 05/03/2023
STRUCTURAL
STATE OF CALIFORNIA

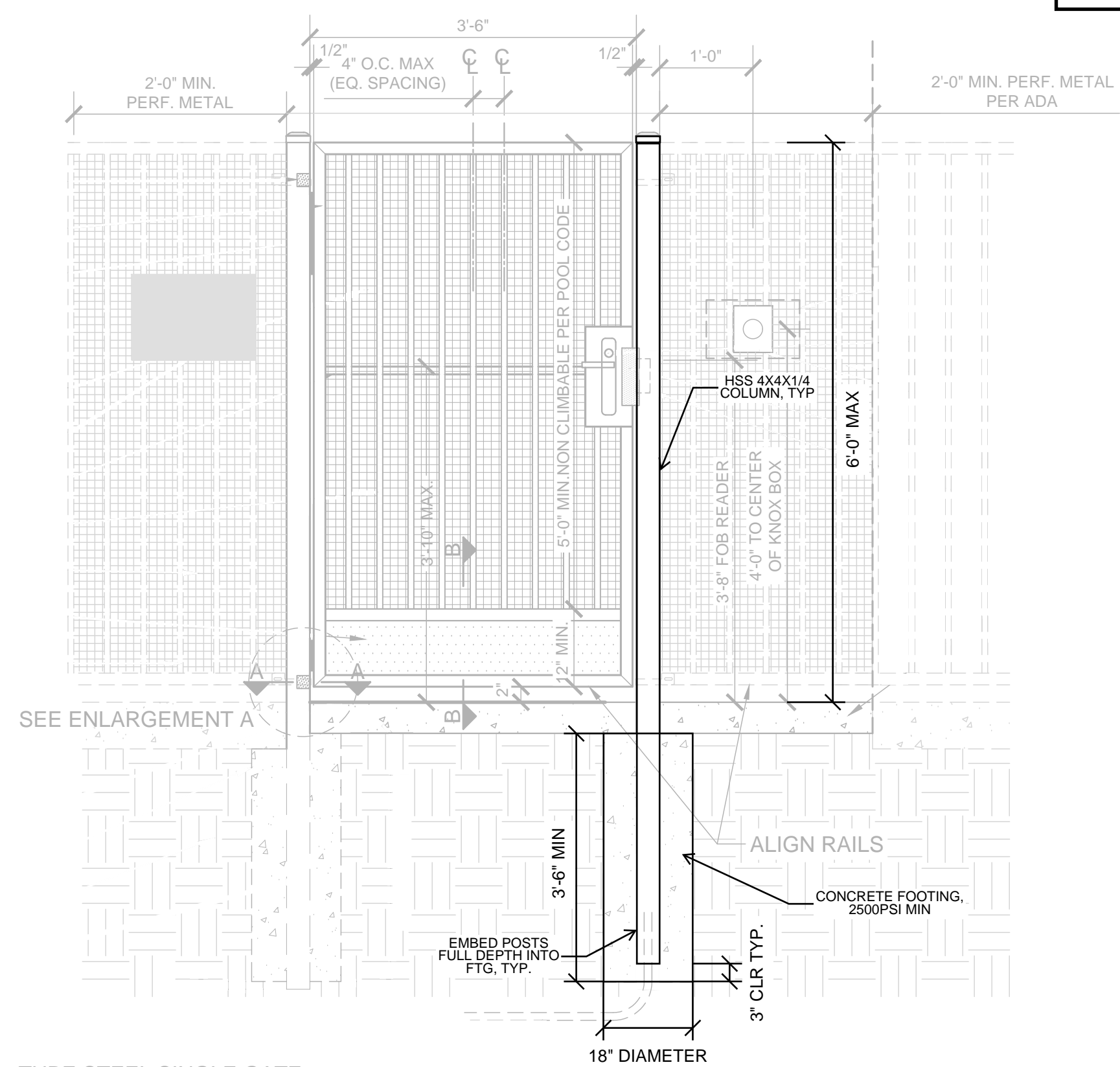
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SHEET TITLE:

SITE STRUCTURE
DETAILS

SCALE:
SHEET NUMBER:
JOB NUMBER: 482244

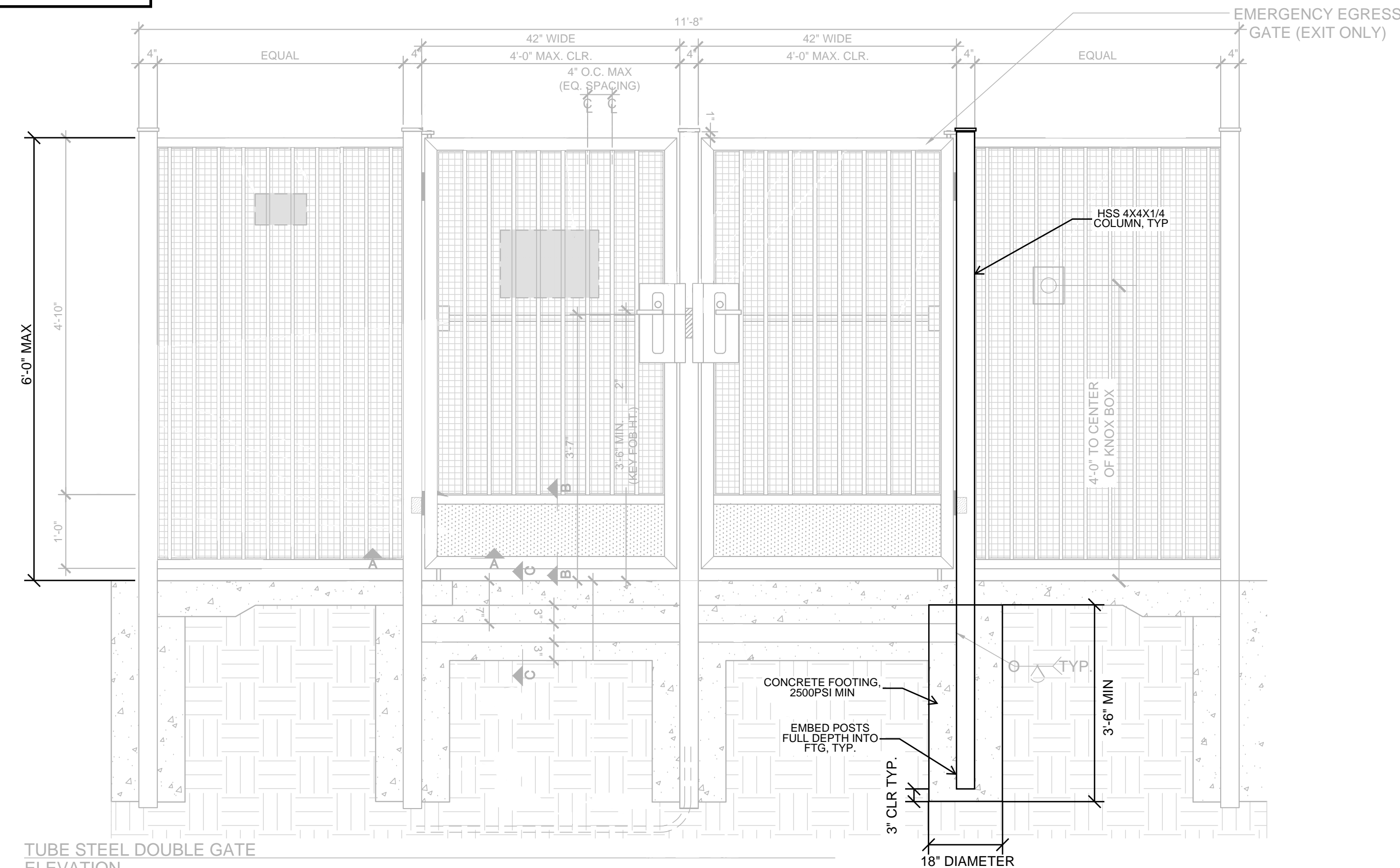
SSD-2

PLEASE REFER TO THE LANDSCAPE ARCHITECT DETAIL FOR ANY INFORMATION NOT SPECIFIED



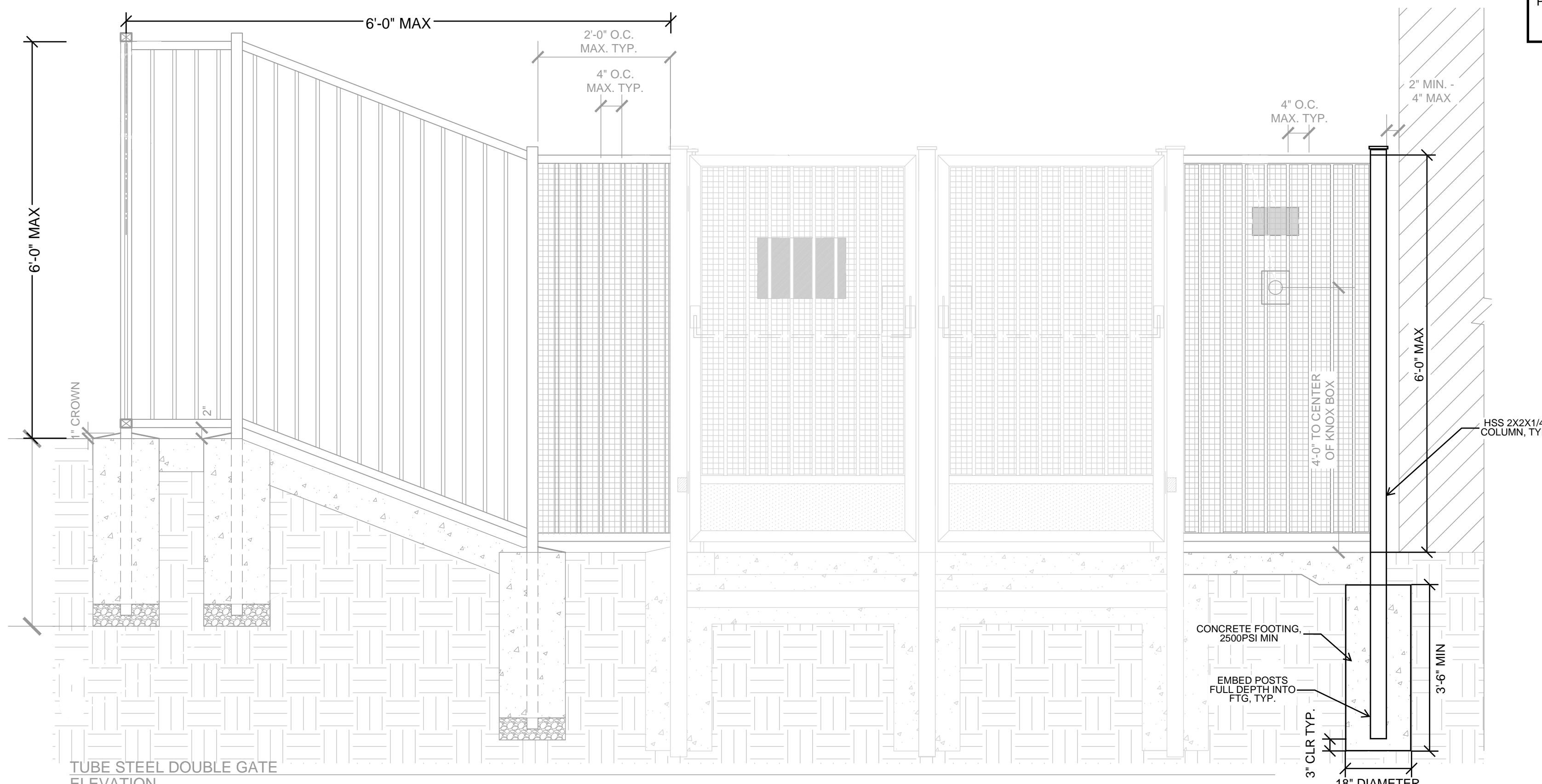
B WEST ENTRY GATE - TUBULAR STEEL SINGLE POOL GATE

PLEASE REFER TO THE LANDSCAPE ARCHITECT DETAIL FOR ANY INFORMATION NOT SPECIFIED



A MAIN ENTRY GATE - TUBULAR STEEL POOL DOUBLE GATE

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C EAST ENTRY POOL GATE - TUBULAR STEEL POOL DOUBLE GATE WITH SLOPE

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PROJECT: **COTA VERA SWIM CLUB**
CLIENT: **HOMEFED CORPORATION**
CHULA VISTA, CA
1903 WRIGHT PLACE, SUITE 200
CARLSBAD, CA 92008

PROJECT MANAGER: P.J.
DESIGNER: L.K.
DRAWN BY: L.K.
CHECKED BY: P.J.
ISSUE DATE: 05-03-2023

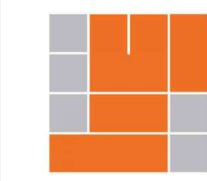


PLAN NUMBER:
SHEET TITLE:
SITE STRUCTURE DETAILS

SCALE:
SHEET NUMBER:

SSD-3

JOB NUMBER: 482244



COTA VERA SWIM CLUB
CHULA VISTA, CA

HOMEFED CORPORATION
1903 WRIGHT PLACE, SUITE 200
CARLSBAD, CA 92008

PROJECT:
CLIENT:

PROJECT MANAGER: P.J.
DESIGNER: L.K.
DRAWN BY: L.K.
CHECKED BY: P.J.

ISSUE DATE: 05-03-2023

REVISIONS:

STAMP:



PLAN NUMBER:

SHEET TITLE:

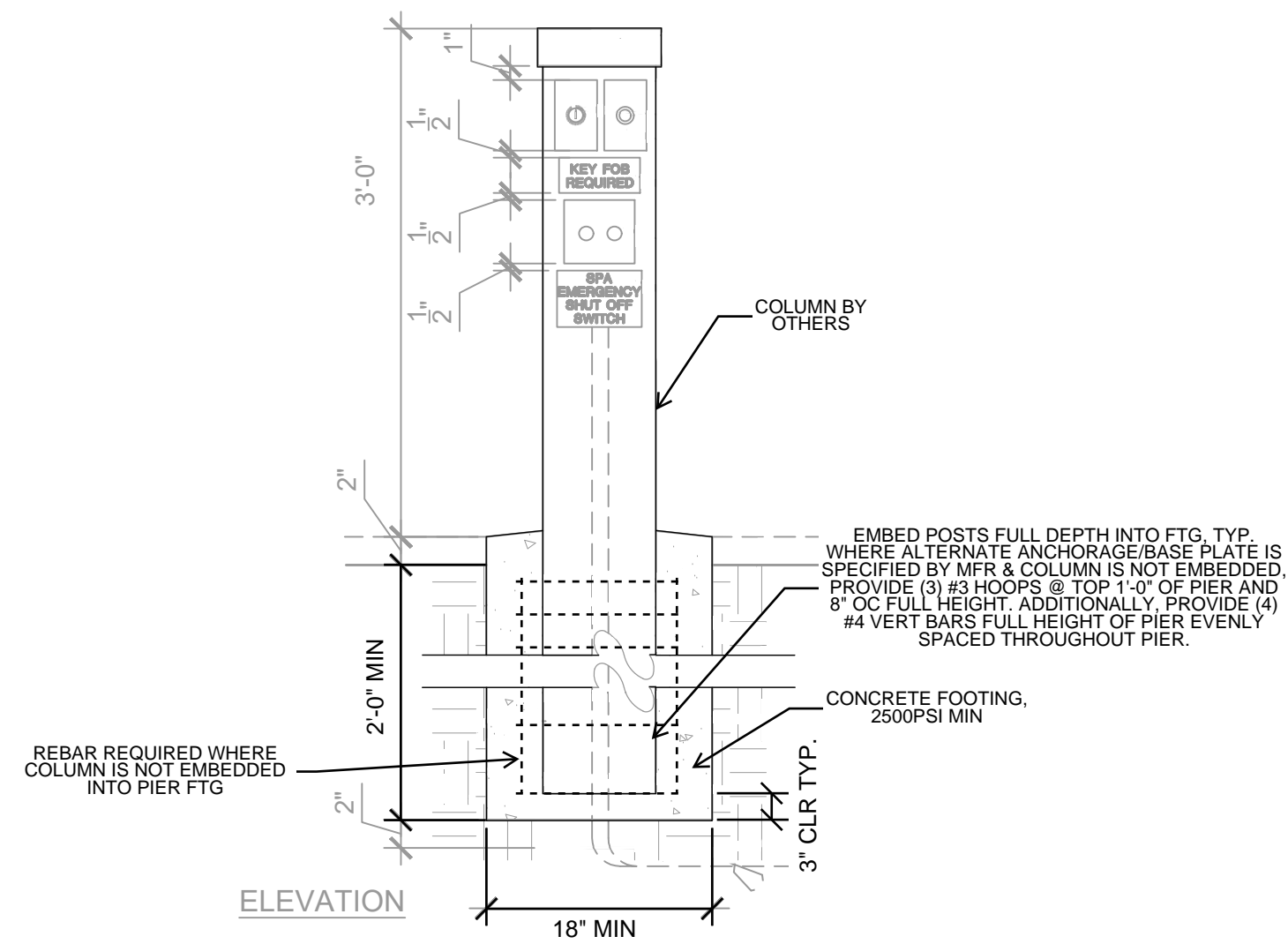
SITE STRUCTURE
DETAILS

SCALE:
SHEET NUMBER:

SSD-4

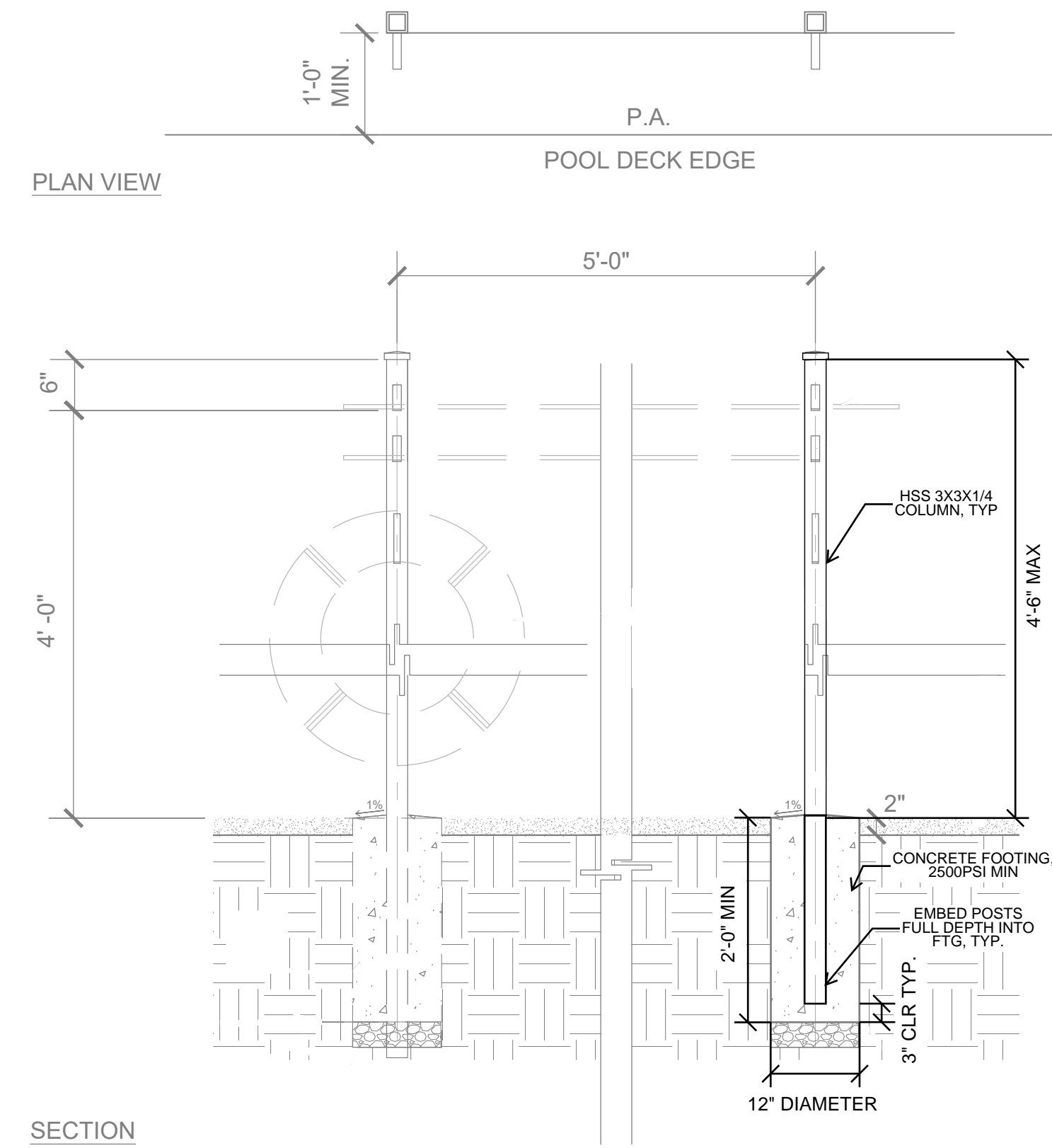
JOB NUMBER: 4822244

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ARCHITECT DETAIL FOR ANY
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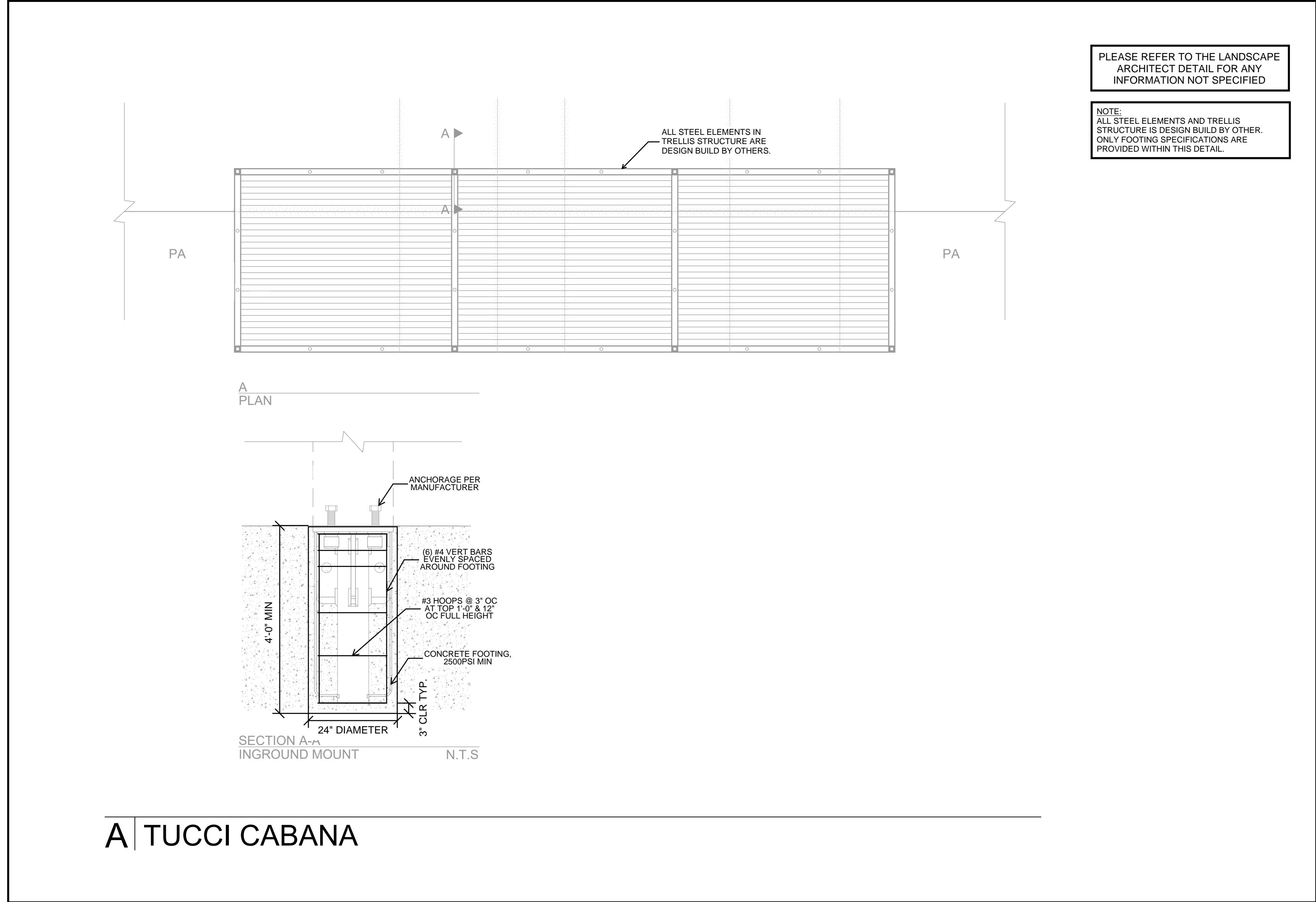


E SPA SHUT OFF

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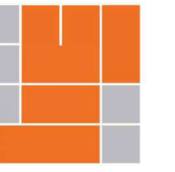
D POOL SAFETY RACK



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COTA VERA SWIM CLUB
CHULA VISTA, CA

HOMEFED CORPORATION
1903 WRIGHT PLACE, SUITE 200
CARLSBAD, CA 92008

PROJECT:
CLIENT:

PROJECT MANAGER: P.J.

DESIGNER: LK

DRAWN BY: LK

CHECKED BY: P.J.

ISSUE DATE: 05-03-2023

REVISIONS:

STAMP:



PLAN NUMBER:

SHEET TITLE:

SITE STRUCTURE DETAILS

SCALE:

SHEET NUMBER:

SSD-5

JOB NUMBER: 4822244