

COUNTY OF SANTA CRUZ
PLANNING DEPARTMENT
701 Ocean Street, 4th Floor
Santa Cruz, CA 95060
(831) 454-2580

NOTICE OF PENDING ACTION

The Planning Department has received the following application. The identified planner may be contacted for specific information on this application.

APPLICATON NUMBER: 251166 APN: 053-161-17
SITUS ADDRESS: 1500 Bonita Drive, Aptos, CA 95003

Proposal to upgrade an existing water treatment system at Soquel Creek Water Districts Bonita well site, located at 1500 Bonita Drive. Project will treat hexavalent chromium (chromium-6) in compliance with the State Water Resources Control Board's Division of Drinking Water maximum contaminant levels. Project components include a new 4,000 square foot treatment building, a 100,000 gallon, partially buried backwash tank, contactor vessels, emergency generator, stormwater detention basin, sewer force main, and landscaping. A similar project approved under application 161033 has expired. Proposed project is functionally the same design as previously approved permit (161033, which has expired), but proposes to incorporate modern technology. Project requires a Coastal Development Permit, an Administrative Use Permit, and an addendum to the adopted Mitigated Negative Declaration (State Clearinghouse No. 2015062021).

Project site is located at 1500 Bonita Drive, approximately 0.5 miles north of the intersection of Bonita Drive and San Andreas Road.

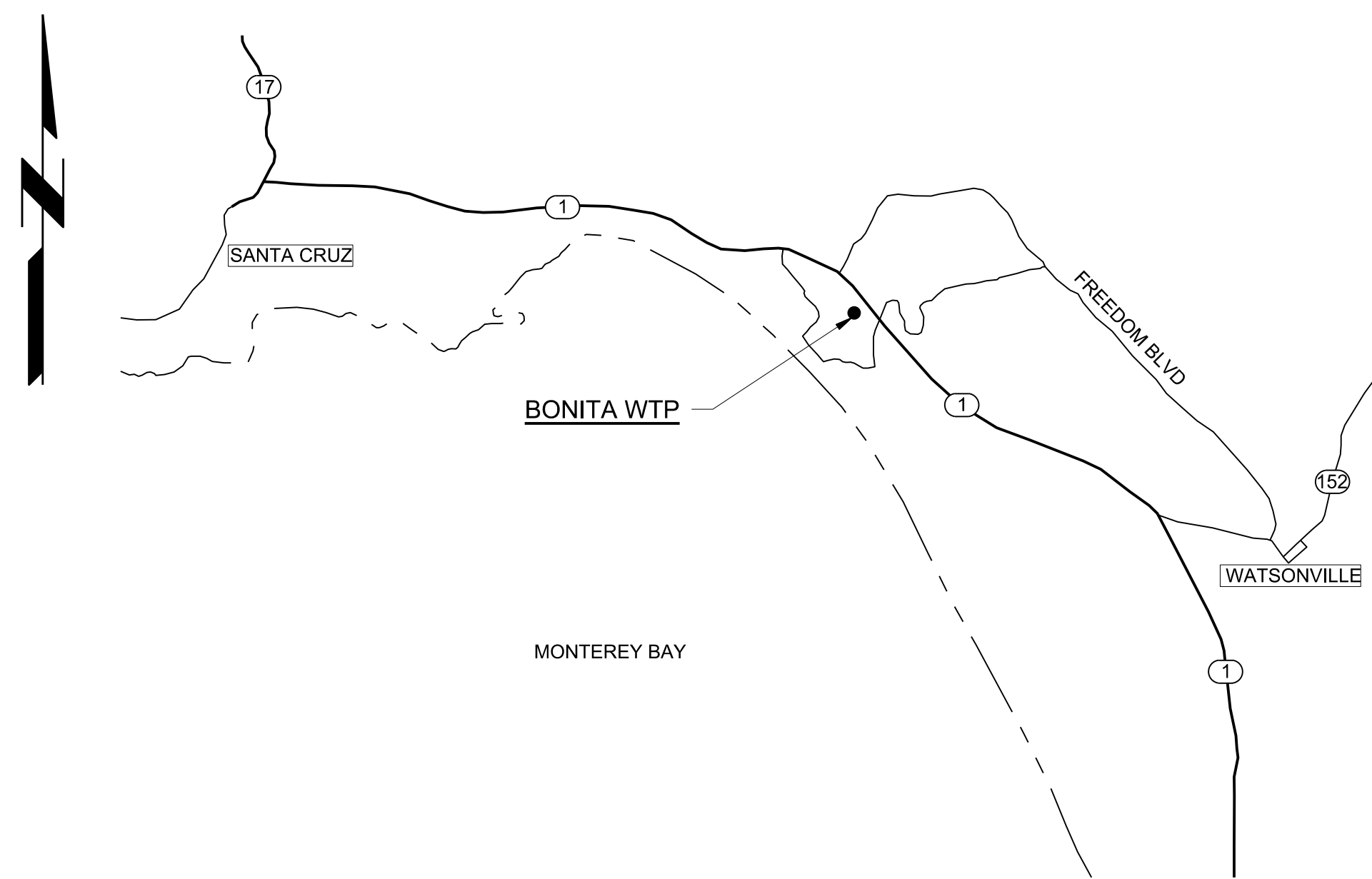
OWNER: Soquel Creek Water District
APPLICANT: Skyler Murphy
SUPERVISORIAL DISTRICT: 2
PLANNER: Evan Ditmars, (831) 454-3227
EMAIL: Evan.Ditmars@santacruzcountyca.gov

Public comments must be received by 5:00 p.m. September 12, 2025.
A decision will be made on or shortly after September 15, 2025.

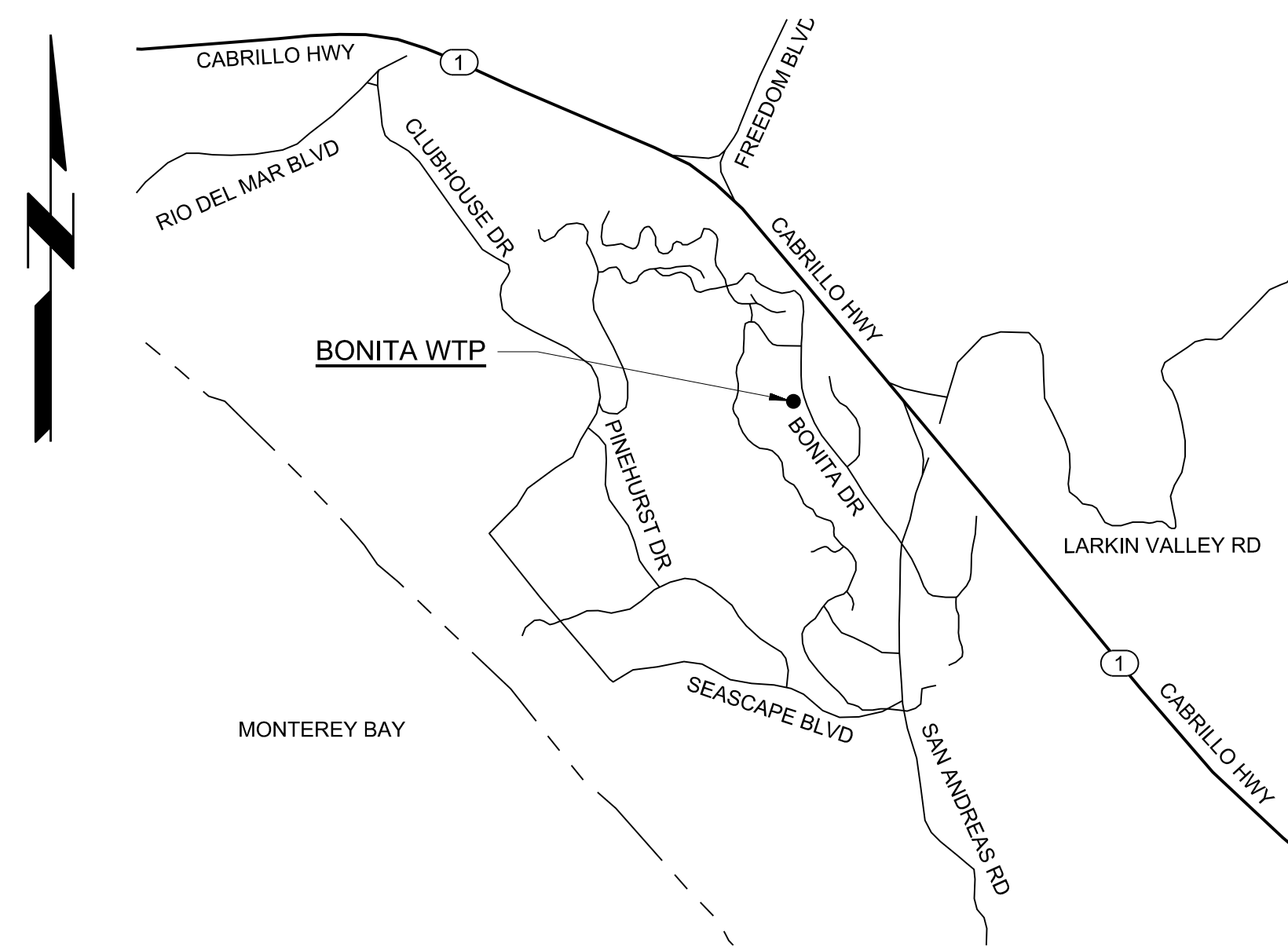
Appeals of the decision will be accepted until 5:00 p.m. two weeks after the decision date. If you would like to request a public hearing be held for this item, please contact the project planner listed on this notice. Information regarding the appeal process, including required fees, may be obtained by phoning (831) 454-2130.
For more information, contact the project planner identified above.

SOQUEL CREEK WATER DISTRICT HEXAVALENT CHROMIUM REMOVAL PROJECT BONITA WTP AND SAN ANDREAS WELL

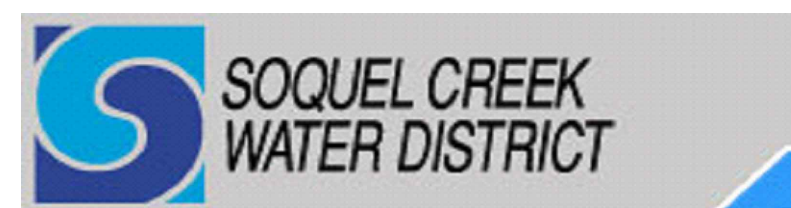
JULY 2025
COASTAL DEVELOPMENT PERMIT



VICINITY MAP



LOCATION MAP



SOQUEL CREEK WATER DISTRICT

APPROVED BY: ENGINEERING MANAGER

DATE

APN: 053-131-17



Black & Veatch Corporation
Walnut Creek, California



SOQUEL CREEK
WATER
DISTRICT

HEXAVALENT CHROMIUM
REMOVAL PROJECT
BONITA WTP AND SAN
ANDREAS WELL

PRELIMINARY
NOT FOR
CONSTRUCTION

REVISIONS AND RECORD OF ISSUE

| | |
|--------------|-----------|
| DESIGNED: | CD |
| DETAILED: | RT |
| CHECKED: | RF |
| APPROVED: | JW |
| DATE: | JULY 2025 |
| PROJECT NO.: | 419795 |

GENERAL

COVER SHEET, VICINITY
MAP AND LOCATION MAP

G-1

OF

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

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FDI1000
D11000

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 FDI1000
 D11000

| PROJECT TEAM MEMBERS | | | |
|--------------------------|-------------------------------------|---------------------------------|--------------|
| TEAM MEMBER | COMPANY | ADDRESS | PHONE |
| CIVIL ENGINEER | BLACK & VEATCH | 2999 OAK RD SUITE 490 | 925 949 5900 |
| OWNER | SOQUEL CREEK WATER DISTRICT | 5180 SOQUEL DR | 831 475 8500 |
| GEOTECHNICAL ENGINEER | PACIFIC CREST ENGINEERING INC. | 444 AIRPORT BLVD | 831 722 9446 |
| ENVIRONMENTAL CONSULTANT | AECOM | 100 W SAN FERNANDO ST SUITE 200 | 408 297 9585 |
| BIOLOGIST | AECOM | 100 W SAN FERNANDO ST SUITE 200 | 408 297 9585 |
| SUB-CONSULTANT | CORONA ENVIRONMENTAL CONSULTING LLC | 357 S MCCASLIN BLVD SUITE 100 | 303 544 2161 |
| SURVEYOR | BOWMAN & WILLIAMS | 3949 RESEARCH PARK CT | 831 426 3560 |
| LANDSCAPE ARCHITECT | JONI L. JANECKI & ASSOCIATES | 515 SWIFT ST | 831 423 6040 |
| ARBORIST | RUTH STILES | 372 HACIENDA DR | 831 479 7960 |
| CONSTRUCTION CONTRACTOR | TO BE DETERMINED | | |

DIRECTIONS FROM CLOSEST MAJOR ROADWAY

- HEADING SOUTH ALONG CA-1 S
- EXIT THE CA-1 S AND TAKE EXIT 433A TO BONITA DRIVE.
 - TURN LEFT ONTO BONITA DRIVE AND CONTINUE 0.7 MILES.
 - DRIVE PAST ZANZIBAR DRIVE AND TURN RIGHT INTO THE PROPERTY.

- HEADING NORTH ALONG CA-1 N
- EXIT THE CA-1 N AND TAKE EXIT 432 TO SAN ANDREAS BLVD.
 - TURN RIGHT ON BONITA DRIVE AND CONTINUE 0.8 MILES.
 - TURN LEFT ONTO THE PROPERTY.

CENTER FOR NATURAL LANDS MANAGEMENT
1999-0057203
APN 053-131-26

| UTILITIES ADJACENT TO SITE | |
|----------------------------|---------------------------------------|
| TYPE | UTILITY OWNER |
| RAW WATER | SOQUEL CREEK WATER DISTRICT |
| POTABLE WATER | SOQUEL CREEK WATER DISTRICT |
| STORM DRAIN | COUNTY OF SANTA CRUZ |
| SANITARY SEWER | SANTA CRUZ COUNTY SANITATION DISTRICT |
| GAS | PACIFIC GAS & ELECTRIC (PG&E) |
| ELECTRIC | PG&E |
| FIBER OPTIC | COMCAST |
| TELEVISION/CABLE | COMCAST |
| TELEPHONE | ATT (PAC BELL) |

SOQUEL CREEK WATER DISTRICT

APN 053-131-17

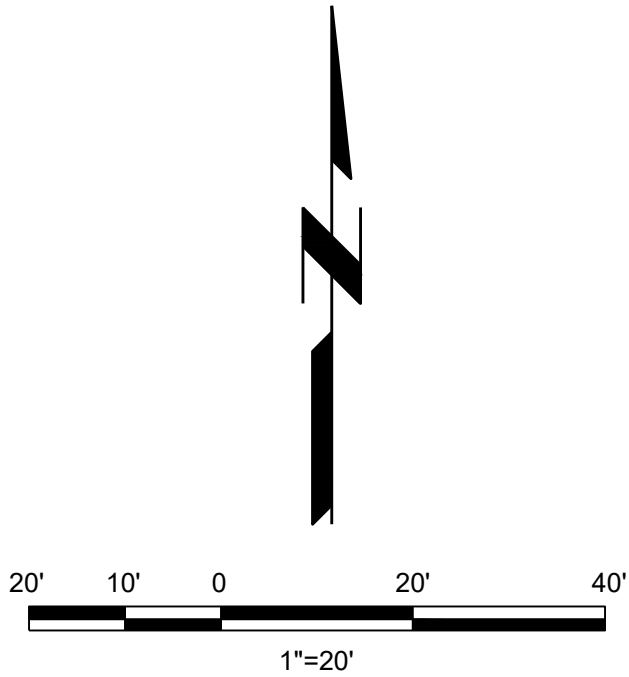
ESA.
SEE NOTE 1.

CENTER FOR NATURAL LANDS MANAGEMENT
1999-0057203
APN 053-131-29

EXISTING BONITA SITE PLAN
1" = 20'-0"

NOTE:

- CONSTRUCTION AND DEMO ACTIVITIES SHALL NOT DISTURB / ENCROACH INTO THE ENVIRONMENTAL SENSITIVE AREA UNLESS OTHERWISE SPECIFICALLY INDICATED.



Black & Veatch Corporation
Walnut Creek, California



SOQUEL CREEK
WATER
DISTRICT

HEXAVALENT CHROMIUM
REMOVAL PROJECT
BONITA WTP AND SAN
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CIVIL

BONITA EXISTING SITE
PLAN

C-1

OF

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

IS/MND AVOIDANCE MEASURES

THE AVOIDANCE MEASURES INDICATED BELOW AND CONTINUED ON DWG C-7 SHALL BE INCORPORATED IN TO THE PROJECT. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

AVOIDANCE MEASURE 1 - HABITAT AVOIDANCE: THE PROJECT DEVELOPMENT AREA AT THE TREATMENT FACILITY SITE SHALL BE RESTRICTED TO LOCATIONS OUTSIDE OF IDENTIFIED HABITAT FOR SANTA CRUZ LONG-TOED SALAMANDER (SCLTS), TO AVOID DISTURBANCE OF THE DRAINAGE AND RIPARIAN CORRIDOR FOR CONSTRUCTION OF THE ACCESS DRIVEWAY.

AVOIDANCE MEASURE 2 - STORMWATER BASIN DESIGN: THE PROJECT STORM WATER BASIN SHALL BE DESIGNED TO AVOID ADVERSE EFFECTS TO SCLTS BY ENSURING THAT APPROPRIATE EXCLUSION STRUCTURES (E.G., EXCLUSION FENCING) ARE IN PLACE AROUND THE PROPOSED BASIN TO PREVENT SALAMANDERS FROM GETTING TRAPPED IN THE BASIN.

AVOIDANCE MEASURE 3 - SEWER FORCE MAIN: THE SEWER FORCE MAIN SHALL BE DESIGNED TO AVOID OPEN TRENCH CONSTRUCTION THROUGH THE SCLTS DRAINAGE.

AVOIDANCE MEASURE 4 - LIGHTING: REFER TO ELECTRICAL DWGS FOR AVOIDANCE MEASURE.

AVOIDANCE MEASURE 5 - SECONDARY CONTAINMENT: ALL TANKS AND STATIONARY EQUIPMENT THAT INVOLVE THE USE OF HAZARDOUS WASTE, CHEMICALS OR FUEL SHALL PROVIDED WITH SECONDARY CONTAINMENT AND WILL BE OPERATED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS RELATED TO THE USE, STORAGE, AND TRANSPORT OF SUCH MATERIALS.

AVOIDANCE MEASURE 6 - FENCE REPAIR AND REPLACEMENT: THE EXISTING TREATMENT FACILITY SITE FENCING EXPECTED TO BE MAINTAINED WITH THE PROJECT. IN THE LONG-TERM, HOWEVER, FENCE REPAIRS AND ULTIMATE REPLACEMENT WILL LIKELY BE REQUIRED. ANY REPLACEMENT OF CROSSBARS AND CHAIN-LINK FENCE WILL PROVIDE FOR A SIMILAR PERMEABLE FENCE TO ALLOW FOR INDIVIDUAL SCLTS TO MOVE BACK AND FORTH. IF POLE REPLACEMENT IS REQUIRED AT SOME POINT, POLES SHALL BE REPLACED IN THE EXACT FOOTPRINT OF THE EXISTING POLES TO AVOID EXCAVATION IN UNDISTURBED HABITAT AREA.

AVOIDANCE MEASURE 7 - PROJECT TIMING: PROJECT CONSTRUCTION ACTIVITIES THAT OCCUR OUTSIDE THE PART OF THE TREATMENT FACILITY SITE PROTECTED BY EXCLUSION FENCING, IF ANY, SHALL BE TIMED TO OCCUR DURING THE DRY SEASON (NONBREEDING SEASON FOR SANTA CRUZ LONG-TOED SALAMANDER) (APRIL 15 THROUGH OCTOBER 15) TO MINIMIZE POTENTIAL EFFECTS TO SALAMANDER BREEDING AND DISPERSAL.

AVOIDANCE MEASURE 8 - ENVIRONMENTAL AWARENESS TRAINING: BEFORE THE START OF GROUND-DISTURBING ACTIVITIES AT THE TREATMENT FACILITY SITE, THE PROJECT BIOLOGIST SHALL PREPARE AND IMPLEMENT AN ENVIRONMENTAL AWARENESS TRAINING SESSION FOR WORKERS WHO WILL BE CONDUCTING THE CONSTRUCTION ACTIVITIES AND ONGOING OPERATIONS AT THE PROJECT SITE. TRAINING MATERIALS WILL INCLUDE DISCUSSION OF THE FOLLOWING:

- FEDERAL ENDANGERED SPECIES ACT, THE CALIFORNIA ENDANGERED SPECIES ACT, FISH AND GAME CODE, THE MIGRATORY BIRD TREATY ACT, AND THE CLEAN WATER ACT.
- CONSEQUENCES AND PENALTIES FOR VIOLATION OR NONCOMPLIANCE WITH THESE LAWS AND REGULATIONS AND PROJECT PERMITS.
- IDENTIFICATION AND VALUE OF SPECIAL-STATUS PLANTS, SPECIAL-STATUS WILDLIFE, AND JURISDICTIONAL WATER, AND EXPLANATIONS REGARDING THEIR VALUE. SPECIFICALLY EMPHASIZE IDENTIFICATION AND IMPORTANCE OF THE SANTA CRUZ LONG-TOED SALAMANDER AND ITS HABITAT.
- HAZARDOUS SUBSTANCE SPILL PREVENTION AND CONTAINMENT MEASURES.
- CONTACT PERSON IN THE EVENT OF THE DISCOVERY OF A SANTA CRUZ LONG-TOED SALAMANDER OR A DEAD OR INJURED WILDLIFE SPECIES.
- REVIEW OF AVOIDANCE MEASURES.

IN THE TRAINING, PROJECT RIMMING IN RELATION TO SPECIES' HABITAT AND SPECIES' LIFE STAGE REQUIREMENTS SHALL BE DETAILED AND DISCUSSED ON PROJECT MAPS, WHICH SHALL SHOW AREAS OF PLANNED AVOIDANCE MEASURES.

A FACT SHEET CONVEYING THIS INFORMATION SHALL BE PREPARED BY THE PROJECT BIOLOGIST FOR DISTRIBUTION TO THE PROJECT WORKERS AND OTHERS WHO ENTER THE PROJECT AREA. ON COMPLETION OF THE TRAINING, PROJECT WORKERS SHALL SIGN A FORM STATING THAT THEY ATTENDED THE TRAINING, UNDERSTAND THE INFORMATION PRESENTED, AND WILL COMPLY WITH THE TRAINING REQUIREMENTS. ALL SUBSEQUENT CREWS BROUGHT ONTO THE CONSTRUCTION SITE THROUGHOUT THE CONSTRUCTION PERIOD SHALL ALSO RECEIVE THIS TRAINING PRIOR TO WORKING ON THE SITE. THE CONTRACTOR SHALL KEEP THE SIGN-UP SHEETS ON SITE AT ALL TIMES.

AVOIDANCE MEASURE 9 - EXCLUSION FENCING: EXCLUSION FENCING WILL BE USED TO ESTABLISH NON-DISTURBANCE EXCLUSION ZONES TO RESTRICT PROJECT EQUIPMENT AND PERSONNEL FROM SENSITIVE AREAS AND RESTRICT FEDERAL AND STATE-LISTED WILDLIFE SPECIES (PARTICULARLY THE SCLTS) FROM ENTERING THE CONSTRUCTION AREAS. SENSITIVE AREAS LIMITS ARE INDICATED ON THE CIVIL PLANS DWGS.

THE WILDLIFE EXCLUSION FENCING WILL BE COMPOSED OF LIGHTWEIGHT PLASTIC MESH FENCE (ERTEC FENCE) DESIGNED WITH ONE-WAY ESCAPE TUNNELS TO ALLOW ANY UNIDENTIFIED SALAMANDERS WITHIN THE CONSTRUCTION AREA ACCESS TO AREAS OUTSIDE THE CONSTRUCTION AREA. THE CONTRACTOR SHALL ENSURE THAT ALL SENSITIVE AREAS ARE OFF-LIMITS TO PROJECT PERSONNEL AND EQUIPMENT. THE WILDLIFE EXCLUSION FENCING SHALL BE INSTALLED INTO THE GROUND BURIED AT LEAST 4 INCHES DEEP USING HAND TOOLS UNDER THE SUPERVISION OF THE PROJECT BIOLOGIST. EXCLUSION FENCING WILL BE INSPECTED ON A WEEKLY BASIS FOR SIGNS OF TEARS, SAGGING, OR OTHER DAMAGE, AND SHALL REPAIRED IMMEDIATELY BY THE CONTRACTOR.

AVOIDANCE MEASURE 10 - PRECONSTRUCTION SURVEY: WITHIN 24 HOURS PRIOR TO INITIAL GROUND-DISTURBING ACTIVITIES, THE TREATMENT FACILITY CONSTRUCTION AREA WILL BE SURVEYED BY QUALIFIED BIOLOGIST(S) FOR SALAMANDERS TO ASSESS THE SITE OF SALAMANDERS MOVING ABOVE-GROUND, OR TAKING REFUGE IN BURROW OPENINGS OR UNDER MATERIALS THAT COULD PROVIDED COVER, SUCH AS BOARDS, SCRAP METAL, WOODY DEBRIS, LEAF LITTER OR OTHER MATERIALS. THE QUALIFIED BIOLOGIST(S) WILL SURVEY THE ENTIRE SITE WITHIN THE EXCLUSION FENCING PRIOR TO ANY CONSTRUCTION AT THE SITE. IF ANY SCLTS ARE DISCOVERED WITHIN THE CONSTRUCTION AREA, THEN CONSTRUCTION ACTIVITIES MUST BE POSTPONED UNTIL THE SALAMANDER LEAVES THE CONSTRUCTION WORK AREA AND THE CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE (CDFW) AND THE UNITED STATES FISH AND WILDLIFE SERVICE (USFWS) SHALL BE NOTIFIED BY TELEPHONE AND ELECTRONIC MAIL WITHIN 1 WORKING DAY. IF THE SCLTS DOES NOT LEAVE THE PROJECT SITE, THEN CDFW AND USFWS WILL BE CONTACTED TO DETERMINE HOW TO PROCEED. CONSTRUCTION WILL NOT BEGIN AGAIN UNTIL APPROVAL FROM CDFW AND USFWS IS OBTAINED.

AVOIDANCE MEASURE 11 - CONSTRUCTION MONITORING: A QUALIFIED BIOLOGIST SHALL BE PRESENT AT THE TREATMENT FACILITY SITE DURING THE INSTALLATION OF EXCLUSION FENCING, INSTALLATION OF THE BRIDGES, MAJOR GROUND-DISTURBING ACTIVITIES. AT A MINIMUM, THE BIOLOGIST SHALL VISIT THE SITE WEEKLY DURING CONSTRUCTION TO ENSURE THAT EXCLUSION FENCING IS IN GOOD CONDITION AND AVOIDANCE MEASURES ARE BEING IMPLEMENTED. THE BIOLOGIST(S) SHALL BE GRANTED THE AUTHORITY TO STOP ANY WORK THAT MAY RESULT IN THE TAKE OF LISTED SPECIES. IF THE BIOLOGIST(S) EXERCISED THIS AUTHORITY, THE CDFW AND THE USFWS SHALL BE NOTIFIED BY TELEPHONE AND ELECTRONIC MAIL WITHIN 1 WORKING DAY. THE BIOLOGIST IN CONSULTATION WITH CDFW AND USFWS WILL USE ADAPTIVE MANAGEMENT TO MODIFY AS NECESSARY PROJECT ACTIVITIES TO AVOID ALL IMPACTS TO LISTED SPECIES.

AVOIDANCE MEASURE 12 - ENTRAPMENT AVOIDANCE: TO PREVENT INADVERTENT ENTRAPMENT OF SCLTS OR OTHER ANIMALS DURING PROJECT CONSTRUCTION, ALL EXCAVATED, STEEP-WALLED HOLES OR TRENCHES MORE THAN 1 FOOT DEEP SHALL BE COVERED AT THE CLOSE OF EACH WORK DAY BY PLYWOOD OR SIMILAR MATERIALS, OR SHALL BE PROVIDED WITH ONE OR MORE ESCAPE RAMPS CONSTRUCTED OF EARTH FILL OR WOODEN PLANKS. BEFORE SUCH HOLES OR TRENCHES ARE FILLED, THEY SHALL BE THOROUGHLY INSPECTED FOR TRAPPED ANIMALS.

AVOIDANCE MEASURE 13 - GENERAL CONSTRUCTION GUIDELINES AND RESTRICTIONS:

- THE CONTRACTOR SHALL CONFINE ALL EQUIPMENT TO DESIGNATED WORK ZONES (INCLUDING ACCESS ROADS AND STAGING AREAS) WITHIN THE PROJECT AREA.
- VEHICLE AND EQUIPMENT MAINTENANCE OR FUELING SHALL OCCUR IN DESIGNATED STAGING AREAS AT LEAST 100 FEET FROM IDENTIFIED AQUATIC HABITATS.
- THE CONTRACTOR SHALL PROVIDE CLOSED GARBAGE CONTAINERS FOR THE DISPOSAL OF FOOD-RELATED TRASH ITEMS (E.G., WRAPPERS, CANS, BOTTLES, FOOD SCRAPS). PROJECT PERSONNEL WILL NOT FEED OR OTHERWISE ATTRACT WILDLIFE TO THE PROJECT AREA.
- NO PETS SHALL BE ALLOWED IN THE PROJECT AREA.
- TO MINIMIZE DISTURBANCE OF NOCTURNAL AND/OR CREPUSCULAR WILDLIFE, WORK SHALL BEGIN NO SOONER THAN 15 MINUTES AFTER SUNRISE AND WILL CEASE NO LATER THAN 15 MINUTES BEFORE SUNSET, WHERE FEASIBLE.
- BIODEGRADABLE EROSION CONTROL MEASURES WILL BE USED WHENEVER POSSIBLE. SYNTHETIC EROSION CONTROL MATERIAL, INCLUDING MONOFILAMENT AND PLASTICS, SHALL NOT BE USED.

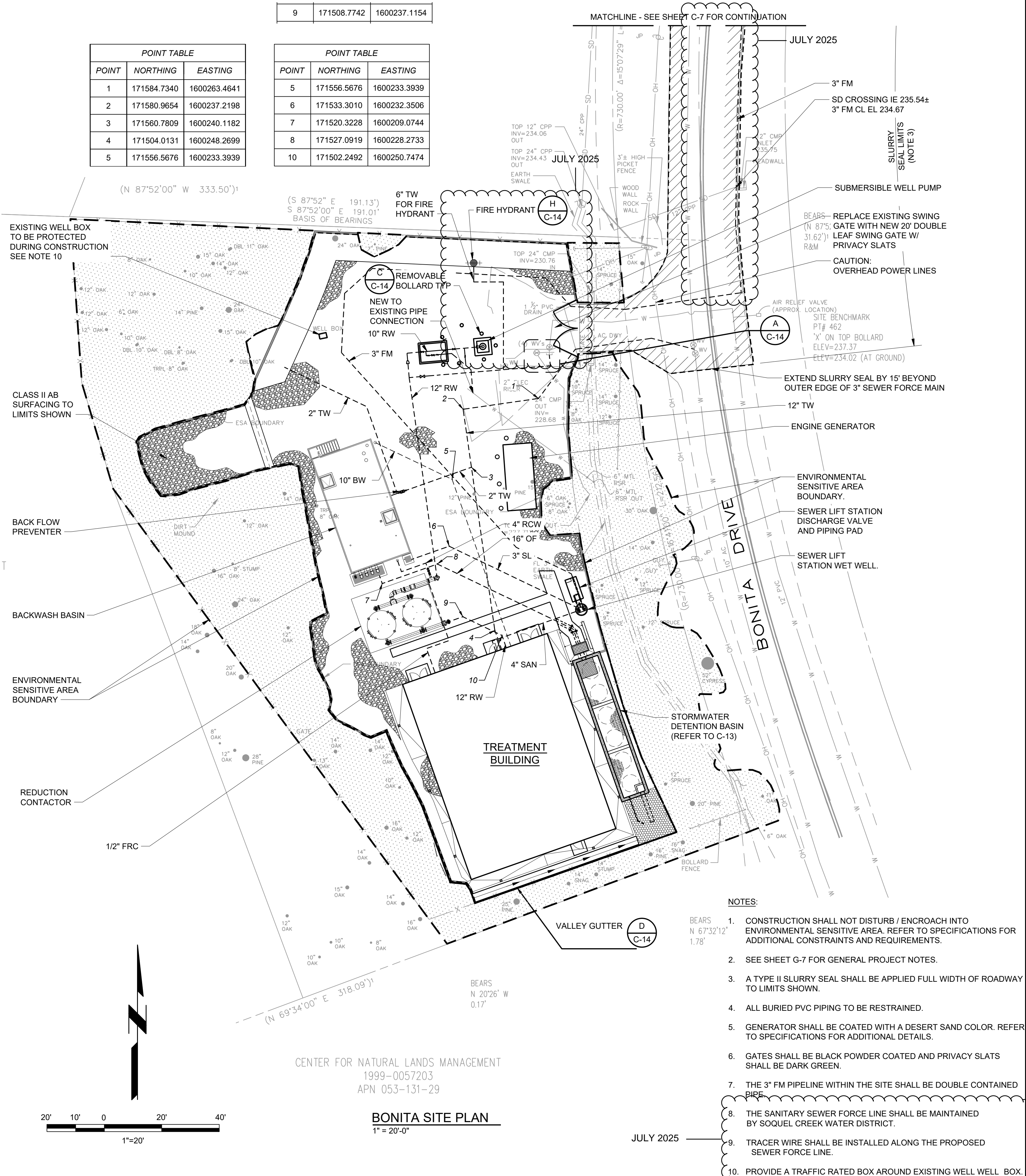
AVOIDANCE MEASURE 14 - EROSION AND SEDIMENT CONTROLS: REFER TO DWG C10 FOR AVOIDANCE MEASURE.

AVOIDANCE MEASURE 15 - INVASIVE WEED CONTROLS: THE FOLLOWING WEED CONTROL MEASURES SHALL BE IMPLEMENTED TO REDUCE THE INTRODUCTION OF INVASIVE WEEDS.

ALL EQUIPMENT SHALL BE CLEANED USING A BROOM OR SIMILAR DEVICE BEFORE IT ARRIVES ON SITE SO THAT IT IS FREE OF SOIL, SEEDS, AND PLANT PARTS.

IMPORTED FILL MATERIAL SHALL BE FREE FROM VEGETATION AND PLANT MATERIAL.

EROSION CONTROL MATERIALS SHALL BE WEED FREE.



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Black & Veatch Corporation
Walnut Creek, California



SOQUEL CREEK
WATER
DISTRICT

HEXAVALENT CHROMIUM
REMOVAL PROJECT
BONITA WTP AND SAN
ANDREAS WELL

PRELIMINARY
NOT FOR
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REVISIONS AND RECORD OF ISSUE

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| DESIGNED: | CD |
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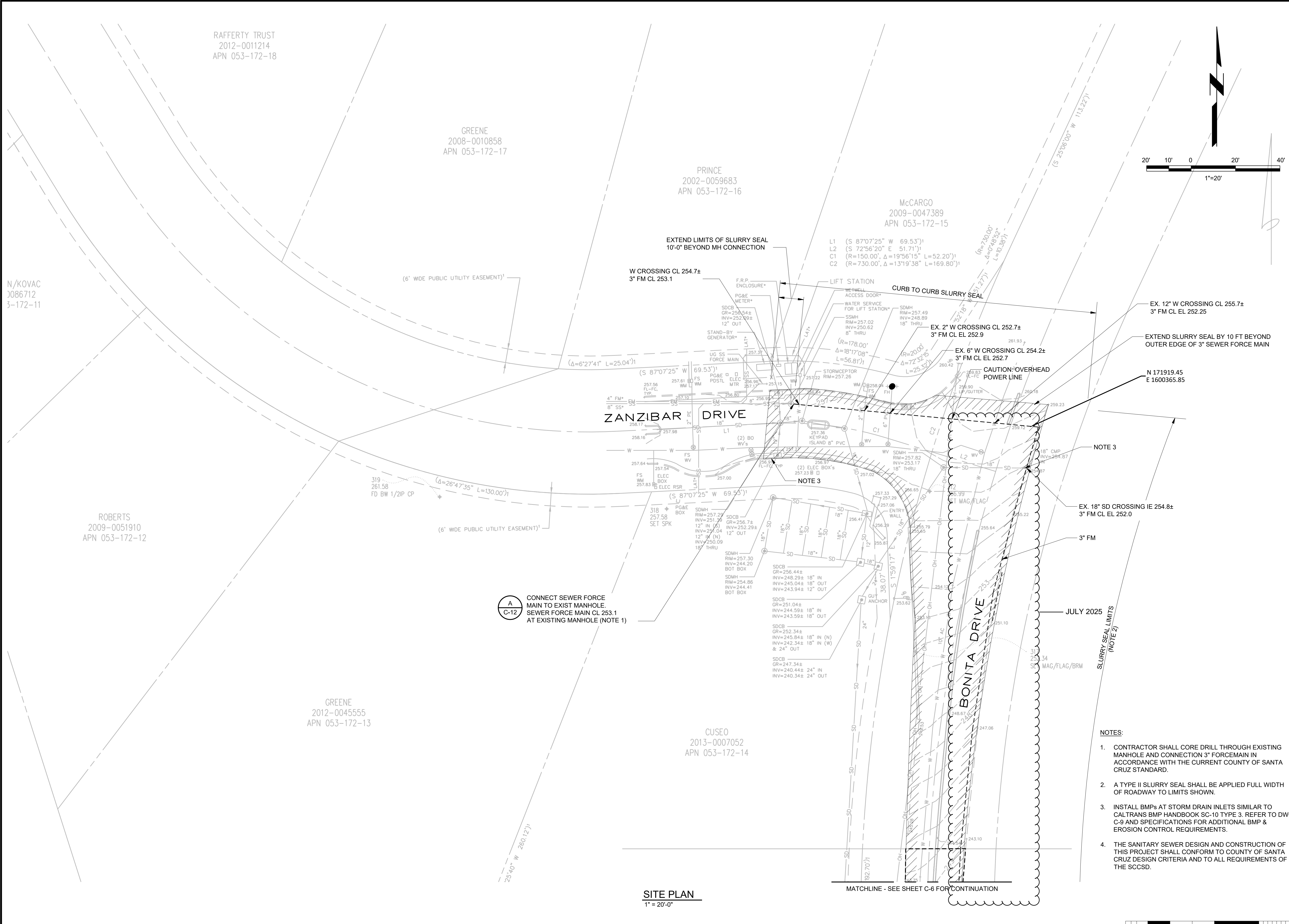
CIVIL

BONITA YARD PIPING
PLAN SHEET 1 OF 2

C-6

OF

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FIRE DEPARTMENT REQUIREMENTS

- THESE PLANS ARE IN COMPLIANCE WITH CALIFORNIA BUILDING AND FIRE CODES (2022 EDITION) AND CENTRAL FIRE PROTECTION DISTRICT AMENDMENTS.
- PROJECT FALLS UNDER THE LOCAL RESPONSIBILITY AREA OF SANTA CRUZ COUNTY.
- BUILDING NUMBERS SHALL BE PROVIDED, NUMBERS SHALL BE A MINIMUM OF SIX (6) INCHES IN HEIGHT ON A CONTRASTING BACKGROUND AND VISIBLE FROM THE STREET. WHERE NUMBERS ARE NOT VISIBLE FROM THE STREET, ADDITIONAL NUMBERS SHALL BE INSTALLED ON A DIRECTIONAL SIGN AT THE PROPERTY DRIVEWAY AND THE STREET.
- THE ROOF COVERING SHALL NOT BE LESS THAN CLASS "B" RATED ROOF.
- THE DRIVEWAY/ACCESS ROAD SHALL BE IN PLACE PRIOR TO ANY FRAMING CONSTRUCTION, OR CONSTRUCTION WILL BE STOPPED.
- A 30-FOOT CLEARANCE SHALL BE MAINTAINED WITH NON-COMBUSTIBLE VEGETATION AROUND ALL STRUCTURES OR TO THE PROPERTY LINE WHICHEVER IS A SHORTER DISTANCE. (EXCEPTION: SINGLE SPECIMENS OF TREES, ORNAMENTAL SHRUBBERY OR SIMILAR PLANTS USED AS GROUND COVERS, PROVIDED THEY DO NOT FORM MEANS OF RAPIDLY TRANSMITTING FIRE FROM NATIVE GROWTH TO ANY STRUCTURE.)
- IF FEASIBLE A 100-FOOT CLEARANCE SHALL BE MAINTAINED AROUND AND ADJACENT TO THE BUILDING OR STRUCTURE TO PROVIDE ADDITIONAL FIRE PROTECTION OR FIRE BREAK BY REMOVING ALL BRUSH, FLAMMABLE VEGETATION, OR COMBUSTIBLE GROWTH. (EXCEPTION: SINGLE SPECIMENS OF TREES, ORNAMENTAL SHRUBBERY OR SIMILAR PLANTS USED AS GROUND COVERS, PROVIDED THEY DO NOT FORM MEANS OF RAPIDLY TRANSMITTING FIRE FROM NATIVE GROWTH TO ANY STRUCTURE.)
- THE JOB COPIES OF THE BUILDING AND FIRE SYSTEMS PLANS AND PERMITS MUST BE ON-SITE DURING INSPECTIONS.
- TREATMENT BUILDING WILL NOT BE FIRE SPRINKLED.
- THE REQUIRED FIRE FLOW IS 1,500 GALLONS PER MINUTE AND FLOW DURATION OF 2 HOURS.
- REFER TO DRAWING C-6 FOR LOCATION OF NEW FIRE HYDRANT THAT WILL MEET THE MINIMUM REQUIRED FIRE FLOW. THE FIRE HYDRANT IS LOCATED WITHIN 400 FEET OF ANY PORTION OF THE BUILDING.
- AN UNDERGROUND FIRE PROTECTION SYSTEM WORKING DRAWING MUST BE PREPARED AND SUBMITTED FOR APPROVAL BY A CALIFORNIA STATE LICENSED CONTRACTOR (CLASS A, C-16 OR C-34) THE PLANS SHALL COMPLY WITH NFPA 24 "STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES." DESIGNER/INSTALLER SHALL SUBMIT TWO (2) SETS OF PLANS AND CALCULATIONS TO THE AGENCY OF REFERENCE FOR APPROVAL.
- SLOPE GRADES OF THE PROJECT SITE FALLS WITHIN 15%, WHICH MEET THE FIRE DEPARTMENT REQUIREMENT OF 20% FOR THE LOCAL RESPONSIBILITY AREA.
- BUILDING NUMBERS SHALL BE PROVIDED, NUMBERS SHALL BE A MINIMUM OF SIX (6) INCHES IN HEIGHT ON CONTRASTING BACKGROUND AND VISIBLE FROM THE STREET. WHERE NUMBERS ARE NOT VISIBLE FROM THE STREET, ADDITIONAL NUMBERS SHALL BE INSTALLED ON A DIRECTIONAL SIGN AT THE PROPERTY DRIVEWAY AND THE STREET.

JULY 2025

25" LONG x 3'-0" WIDE x 3" DEEP VALLEY GUTTER

ESA (NOTE 1)

BREAK IN PERIMETER CONC CURB FOR VALLEY GUTTER

CONCRETE CURB

N 171569.63
E 1600123.39

N 171550.74
E 1600131.92

CONCRETE CURB

STOCKPILE LOCATION

N 171643.12
E 1600185.52

CONCRETE CURB

N 171640.94
E 1600217.24

N 171638.92
E 1600272.54

CLASS "AB" SURFACING

MATCHLINE - SEE SHEET C-8 FOR CONTINUATION

JULY 2025

LIMITS OF GRADING AND DISTURBANCE

20' 10' 0 20' 40'
1"=20'

BLACK & VEATCH

Black & Veatch Corporation
Walnut Creek, California



SOQUEL CREEK
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HEXAVALENT CHROMIUM
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REVISIONS AND RECORD OF ISSUE

DESIGNED: CD
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APPROVED: JW
DATE: JULY 2025

PROJECT NO.: 419795

CIVIL

BONITA GRADING PLAN

C-8

OF

171504.96

INFORMATION PROVIDED IS
REQUIRED FOR COASTAL
PERMITTING AND IS NOT
INTENDED FOR CONSTRUCTION
PURPOSES

GRADING AND PAVING PLAN

1" = 20'-0"

NOTES:

- CONSTRUCTION SHALL NOT DISTURB/ENCROACH INTO THE ENVIRONMENTAL SENSITIVE AREA EXCEPT FOR THE SPECIFIC WORK SHOWN.
- REFER TO SHEET G-7 FOR GENERAL NOTES.
- A TYPE II SLURRY SEAL SHALL BE APPLIED FULL WIDTH OF ROADWAY TO LIMITS SHOWN.
- > REPRESENTS SLOPE TO DRAIN.
- ALL ELEVATIONS ARE IN REFERENCE TO VERTICAL DATUM INDICATED ON SHEET C-2.
- CONTRACTOR SHALL AVOID USING THE STORMWATER BASIN AS PART OF THEIR CONSTRUCTION BMPs TO THE GREATEST EXTENT POSSIBLE. IF BASIN IS USED, CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND RESTORING BASIN TO LIKE NEW CONDITION.

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

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FILE: C:\USERS\KAR1131\9\DOACCDOS\BLACK & VEATCH CORP\419795 - SOCCWD SYSTEM DESIGN\PROJECT FILES\5.0 DESIGN FILES\5.0.5 CIVIL 3DC-9-CDP.DWG
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2009-0036520
APN 053-172-29

CENTER FOR NATURAL LANDS MANAGEMENT
1999-0057203
APN 053-131-26

(S 2'06.00" W 102.73')
(S 21

(S 87°52' E 142.37')
S 87°52'00" E 142.49' CALC

(N 87°52'00" W 333.50')
(S 87°52" E 191.13')
S 87°52'00" E 191.01'

BASIS OF BEARINGS

SOQUEL CREEK WATER DISTRICT
APN 053-131-17

CENTER FOR NATURAL LANDS MANAGEMENT
1999-0057203
APN 053-131-29

SITE PLAN
1" = 20'-0"

NOTES:

1. LIMITS OF WORK SHALL NOT ENCROACH INTO THE ESA.
2. PLAN PRESENTED IS GENERAL IN NATURE. CONTRACTOR SHALL PREPARE AND IMPLEMENT A COMPLETE AND COMPREHENSIVE BMP & EROSION CONTROL MITIGATION PLAN THAT MEETS ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.



Black & Veatch Corporation
Walnut Creek, California



**SOQUEL CREEK
WATER
DISTRICT**

HEXAVALENT CHROMIUM
REMOVAL PROJECT
BONITA WTP AND SAN
ANDREAS WELL

**PRELIMINARY
NOT FOR
CONSTRUCTION**

REVISIONS AND RECORD OF ISSUE

| | |
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| DESIGNED: | CD |
| DETAILED: | RT |
| CHECKED: | RF |
| APPROVED: | JW |
| DATE: | JULY 2025 |
| PROJECT NO.: | 419795 |

CIVIL

**BONITA SITE
CONSTRUCTION BMP
PLAN / EROSION
CONTROL PLAN**

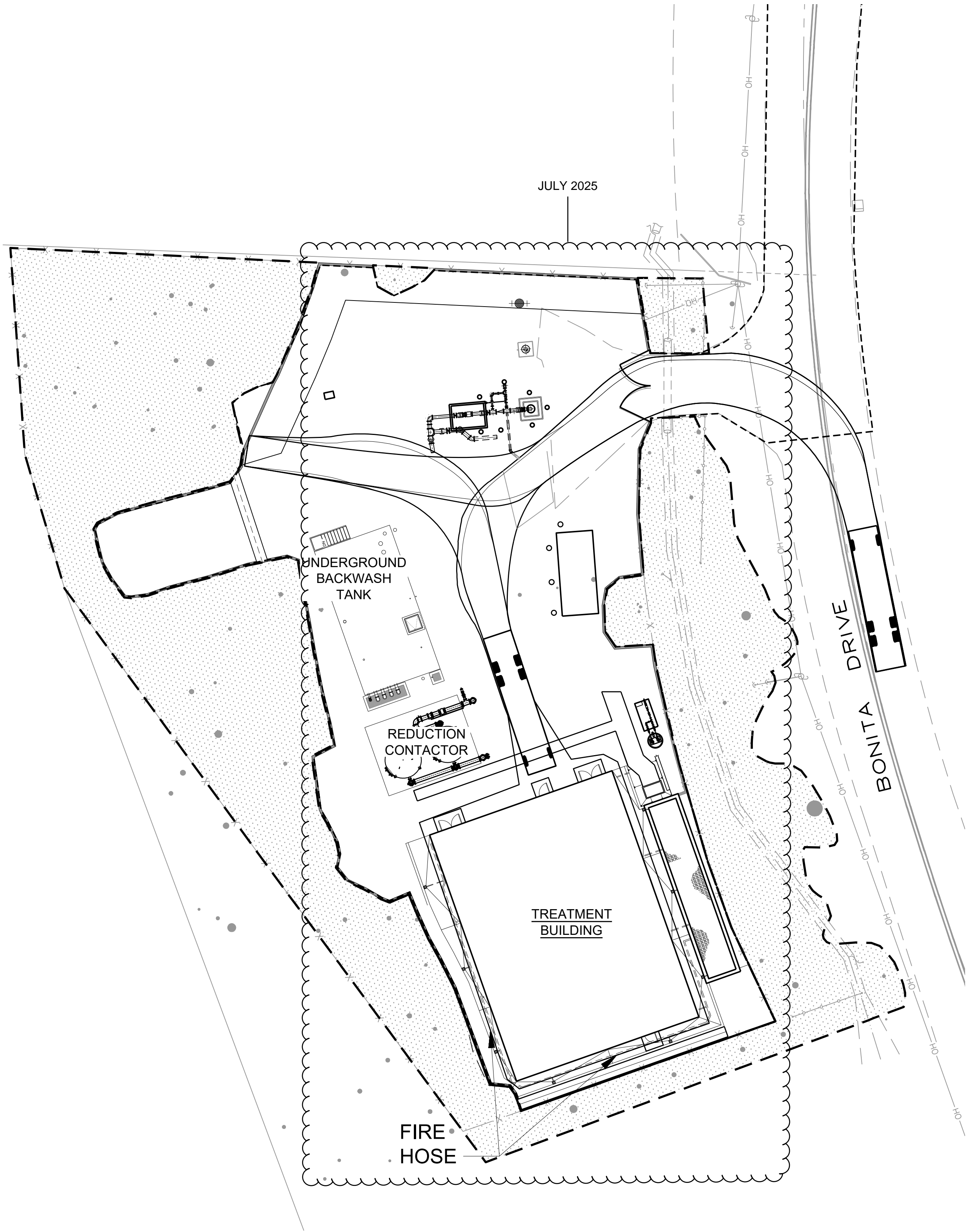
C-9

OF

20' 10' 0 20' 40'
1"=20'

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

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FDI1000
D11000



SITE PLAN
1" = 20'-0"

20' 10' 0 20' 40'
1"=20'

NOTE

1. THE TURNING RADIUS IS 35' WHICH COMPLIES WITH THE FIRE DEPARTMENT REQUIREMENT UNDER LOCAL RESPONSIBILITY AREA.
2. THE HOSE REACH TO THE REMOTE PART OF THE BUILDING IS WITHIN 150' IN COMPLIANCE WITH THE FIRE DEPARTMENT.

NOTE TO CONTRACTOR

INFORMATION SHOWN ON THIS DRAWING IS REQUIRED FOR COASTAL PERMITTING AND IS NOT FOR CONSTRUCTION PURPOSES.

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



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PROJECT NO.: 419795

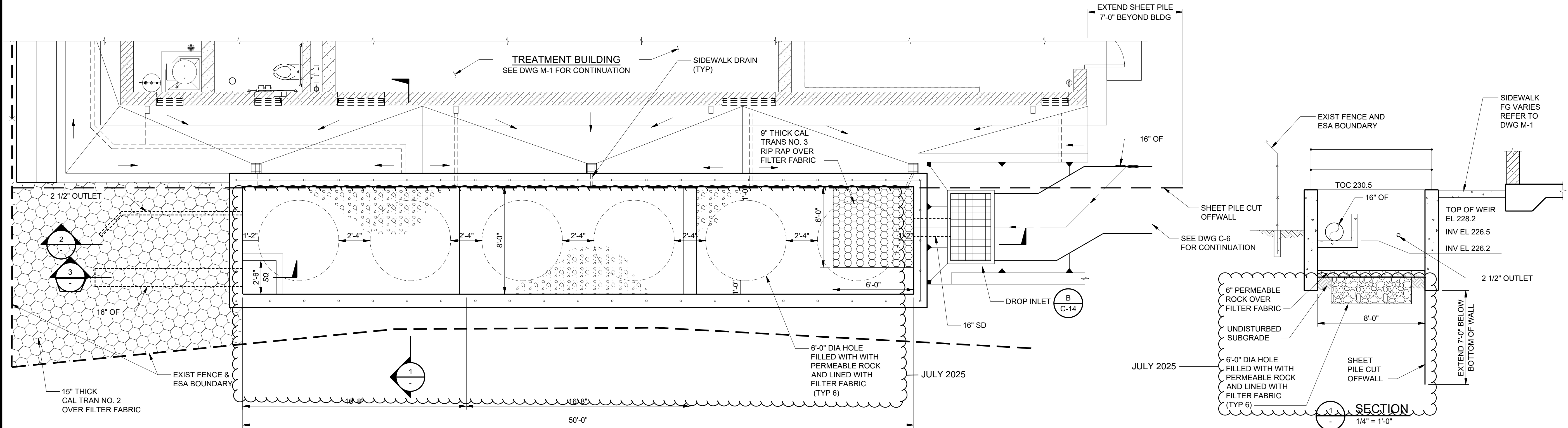
CIVIL

**BONITA SITE VEHICLE
TURNING RADIUS PLAN**

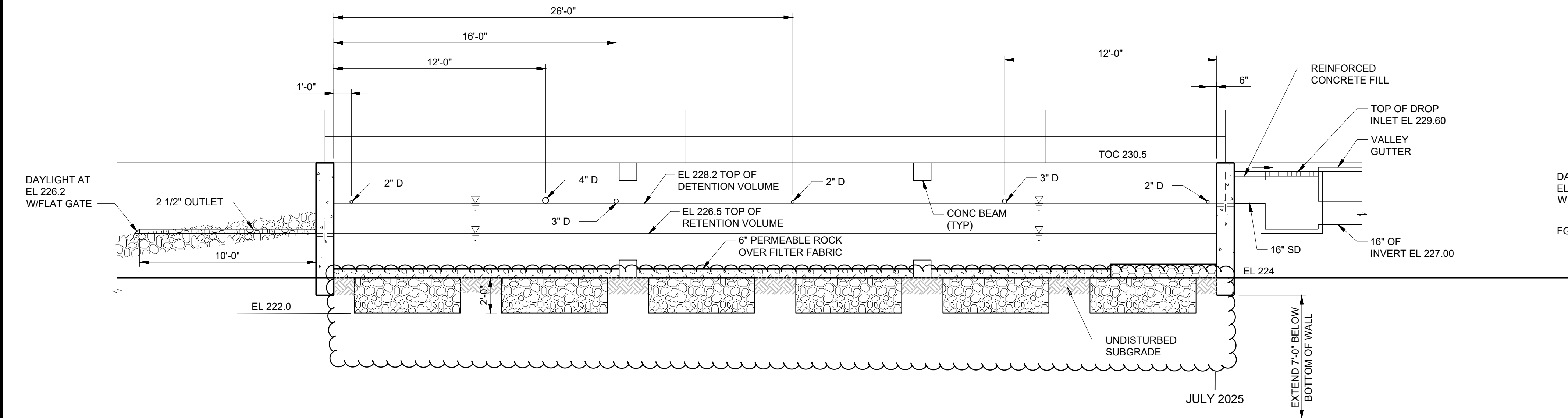
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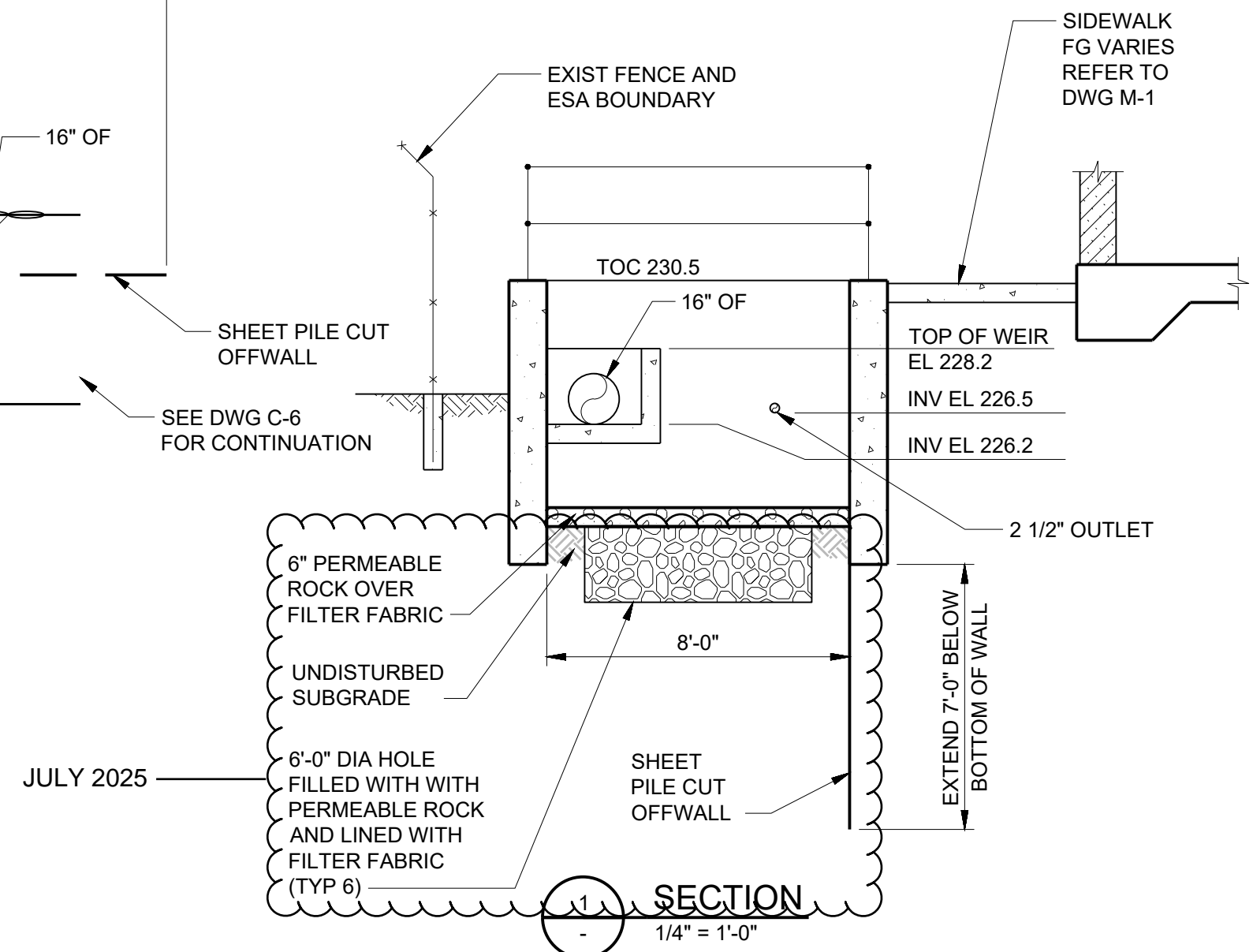
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STORMWATER DETENTION - PLAN
 1/4" = 1'-0"



2 SECTION
 1/4" = 1'-0"



3 SECTION
 1/4" = 1'-0"

NOTE:

1. PROVIDE DRAIN INLET COVER TO PREVENT SMALL SPECIES FROM ENTERING DROP INLET.



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CIVIL

STORMWATER BASIN
PLAN AND SECTIONS

SOQUEL CREEK
WATER
DISTRICTHEXAVALENT CHROMIUM
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REVISIONS AND RECORD OF ISSUE

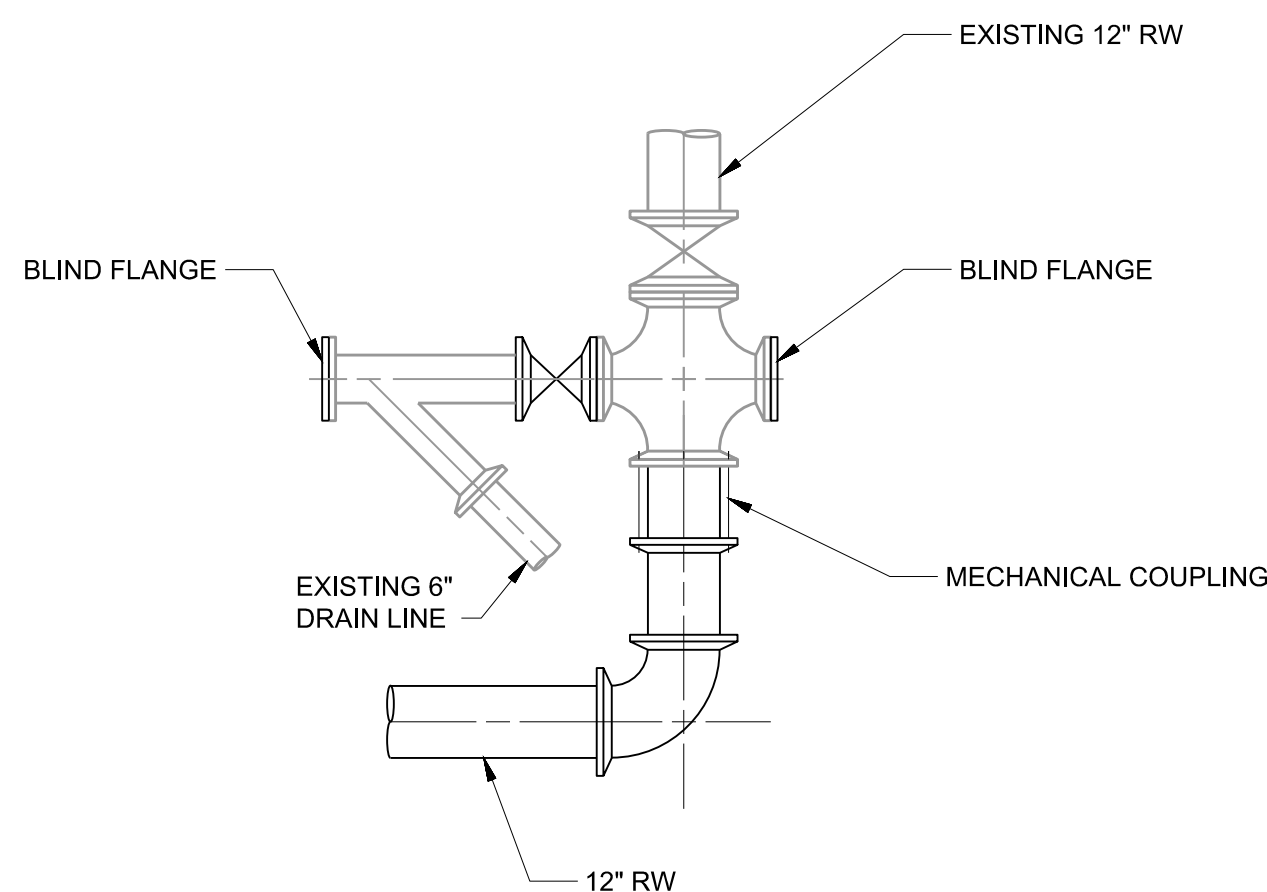
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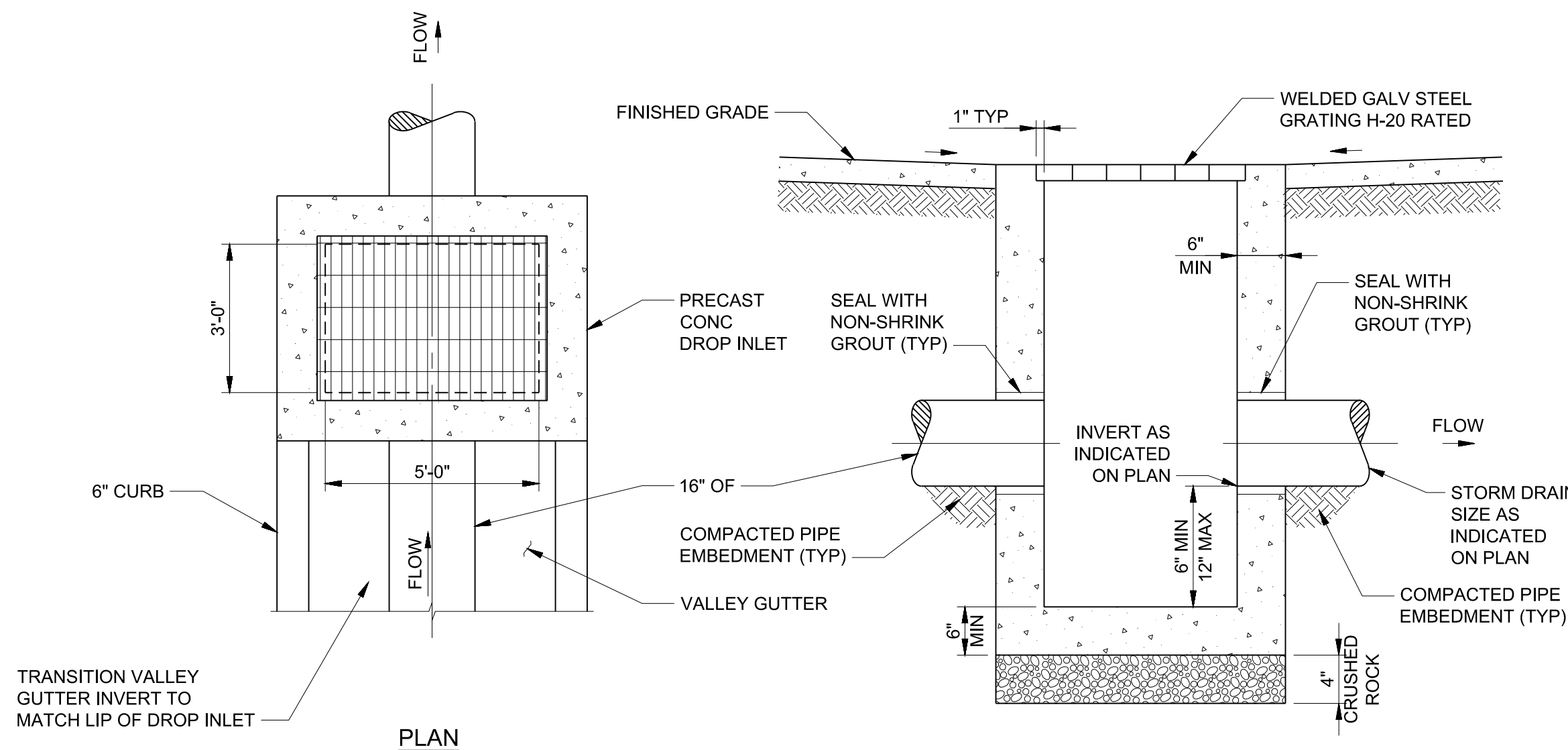
SECTIONS AND DETAILS
SHEET 1 OF 2

C-14

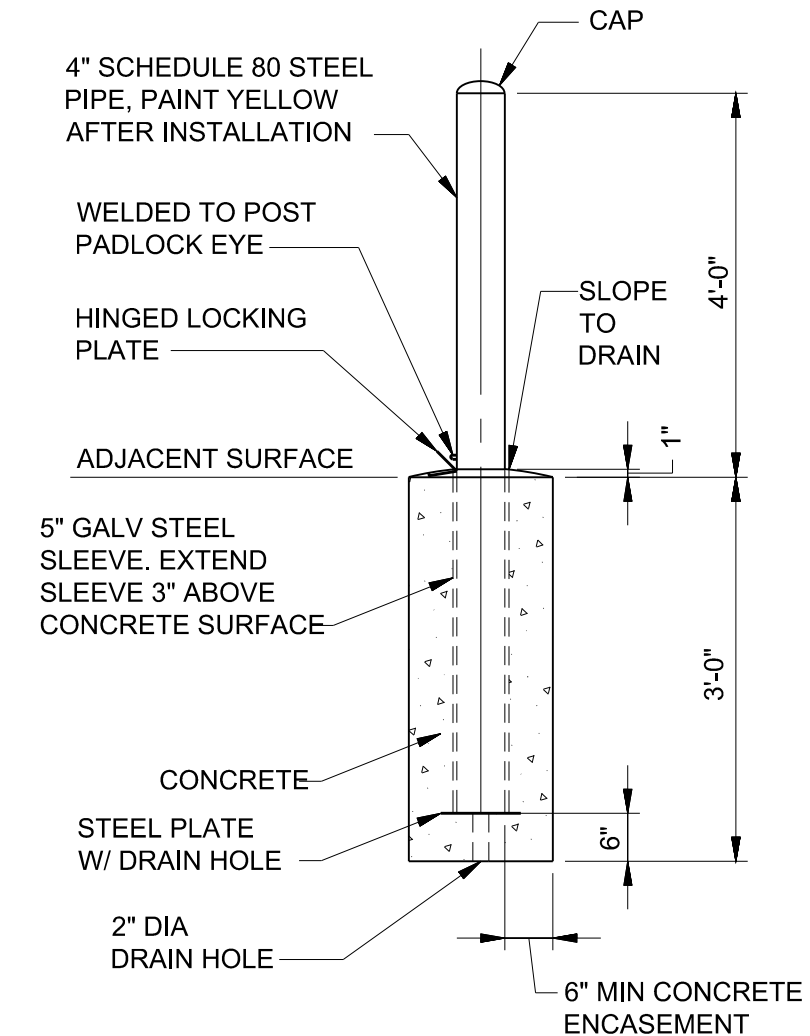
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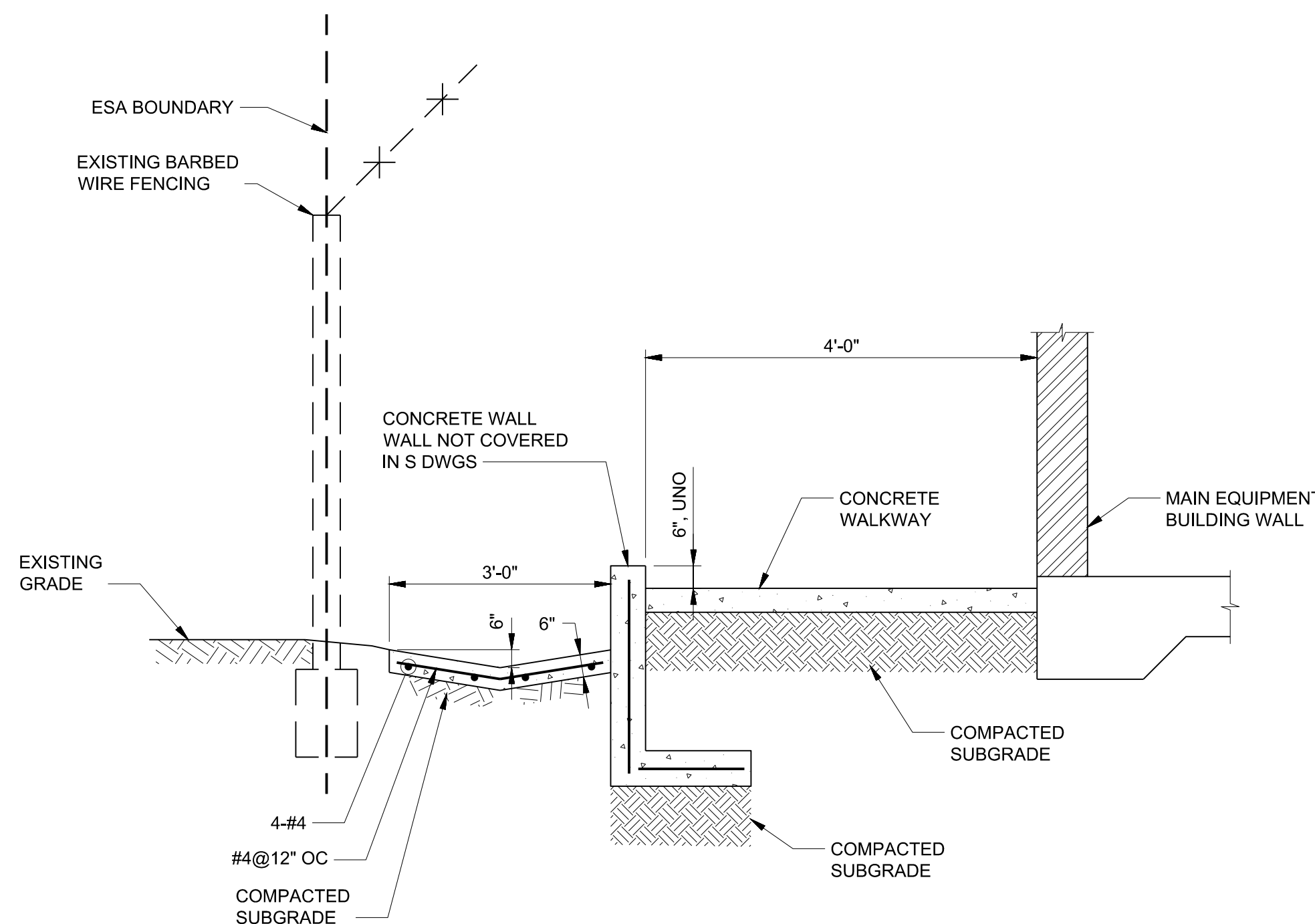
A RAW WATER CONNECTION DETAIL
C-6 3/8" = 1'-0"



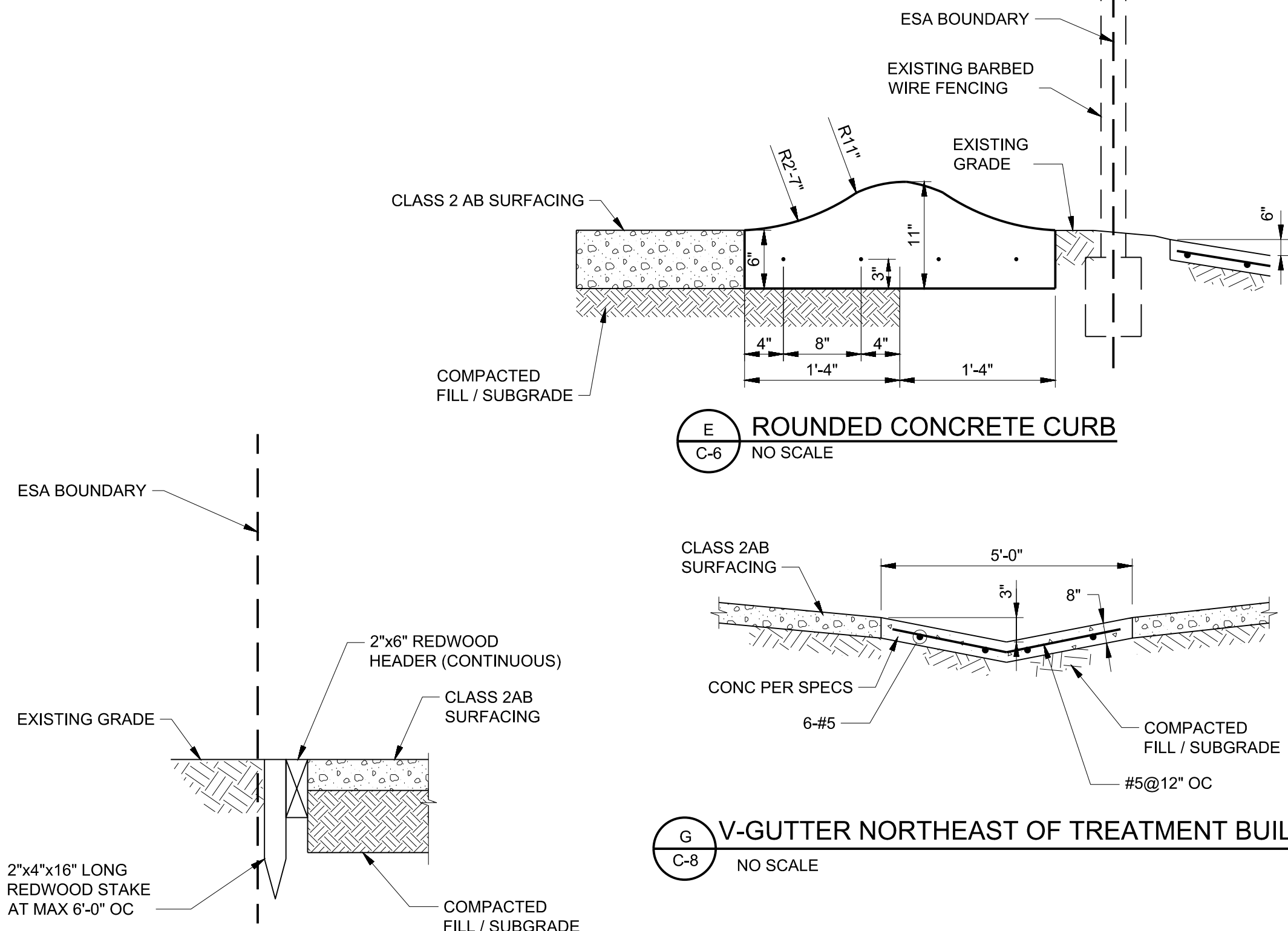
B DROP INLET
C-6 NO SCALE



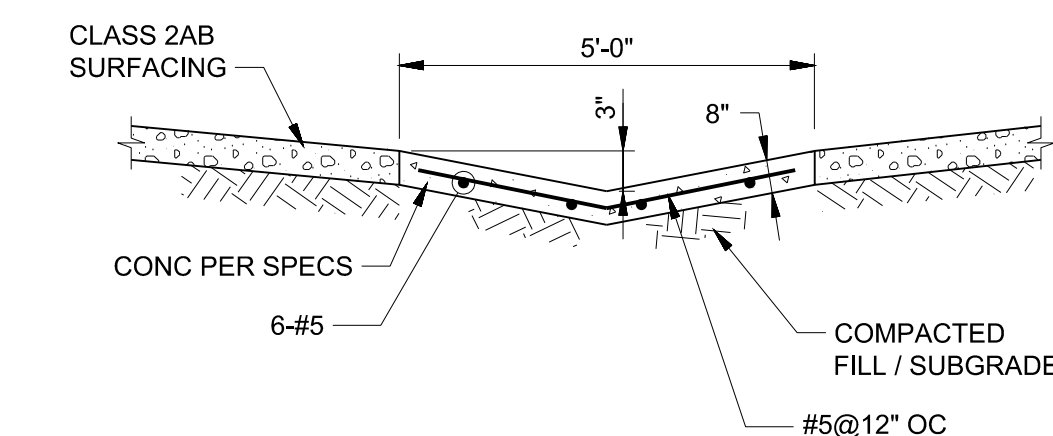
C REMOVABLE BOLLARD
C-6 NO SCALE



D V-GUTTER AND CONCRETE WALL ALONG
WEST AND SOUTH SIDE FENCING
C-6 NO SCALE



E ROUNDED CONCRETE CURB
C-6 NO SCALE



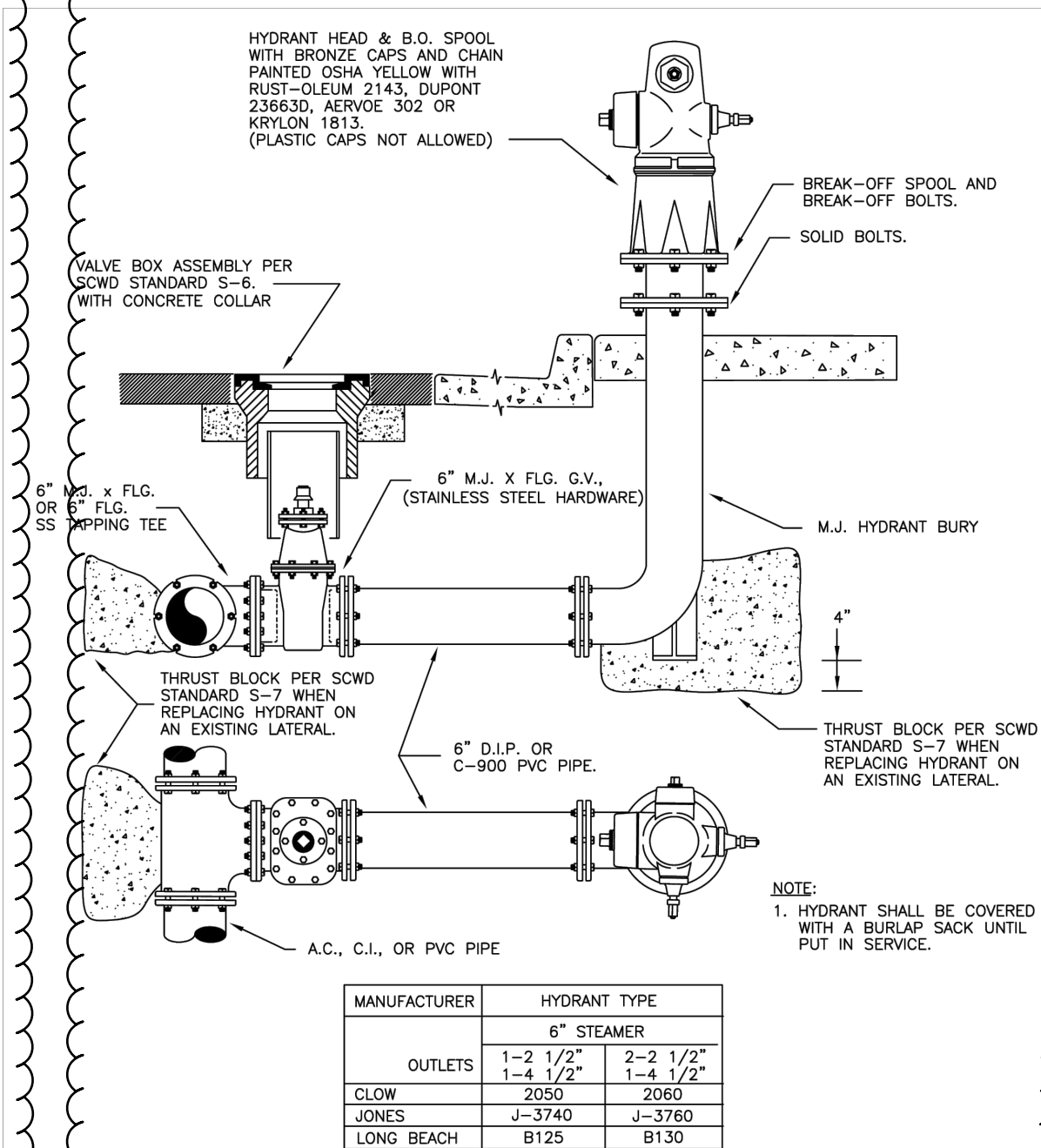
G V-GUTTER NORTHEAST OF TREATMENT BUILDING
C-8 NO SCALE

NOTES:

- EXPANSION JOINTS SHALL BE PLACED AT END OF CONCRETE PLACEMENT, AT POINTS OF CURVATURE, AND WALKWAYS CURB RETURNS.
- REINFORCING STEEL SHALL NOT PASS THROUGH EXPANSION JOINTS. THE REINFORCEMENT SHALL STOP PRIOR TO EXPANSION JOINT TO ALLOW PLACEMENT OF DOWELS.
- SUBGRADE PREPARATIONS SHALL BE PER THE EXCAVATION AND FILL SPECIFICATION SECTION.
- CLASS 2AB SURFACING SHALL BE A MINIMUM OF 6 INCHES.

NOTES:

- FOR GRADES MORE THAN 5% BUT NOT EXCEEDING 15%, OIL AND SCREEDS SHALL BE APPLIED TO A MINIMUM OF 6" OF COMPACTED AGGREGATE BASE ROCK, CLASS II OR EQUIVALENT, CERTIFIED IN WRITING BY A LICENSED ENGINEER TO 95% COMPACTION.



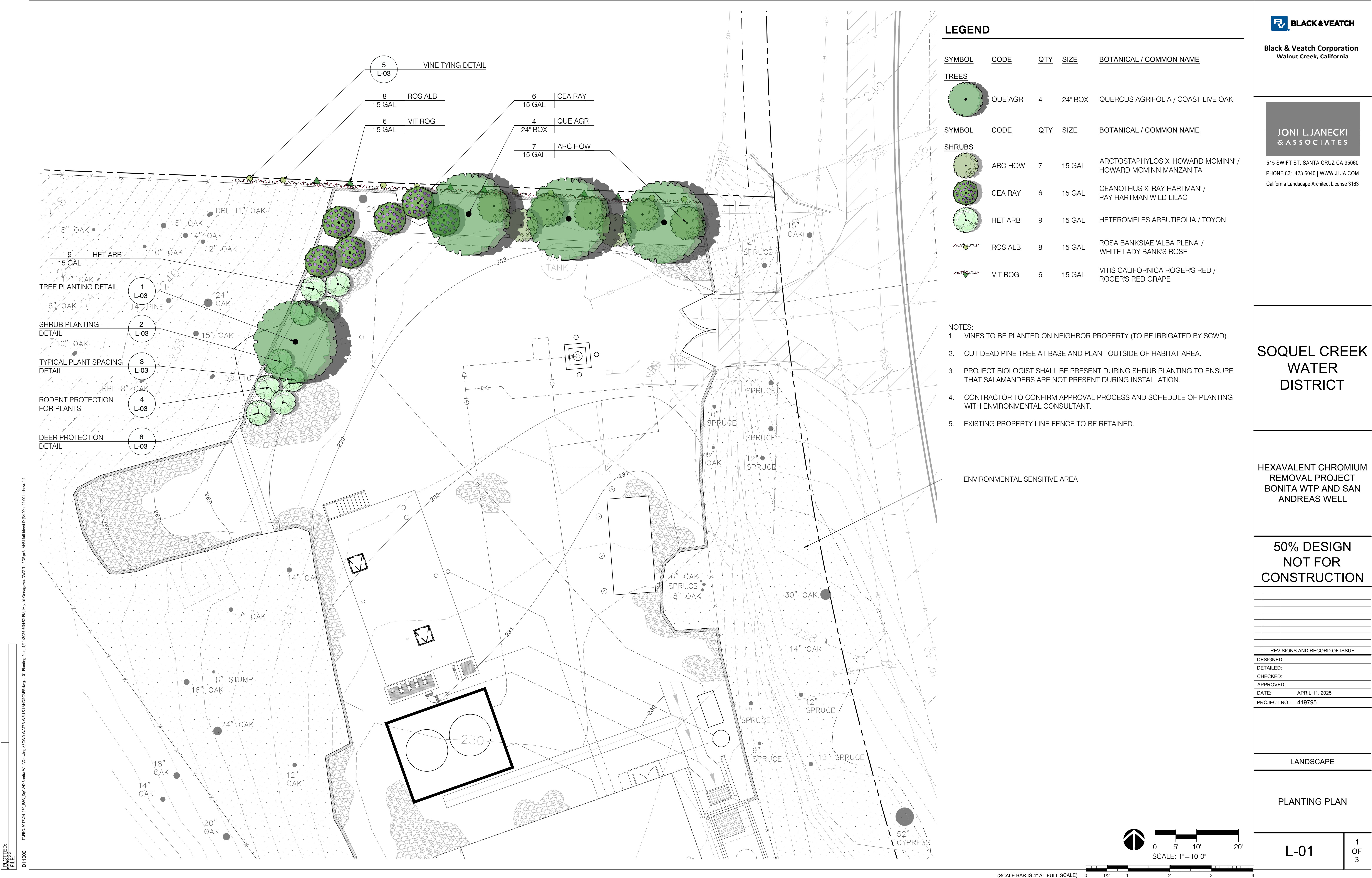
H FIRE HYDRANT ASSEMBLY
C-8 NO SCALE

NOTES:

- FIRE HYDRANT BARREL SHALL BE OF A GLOSS AND SAFETY COLOR RED TO PROVIDE THE RECOMMENDED REFLECTIVITY AND CONSISTENT SHADE OF COLOR.
- TOPS AND CAPS SHALL BE SAFETY BLUE IN ADHERENCE TO CENTRAL FIRE DISTRICT STANDARDS.

JULY 2025

(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



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HEXAVALENT CHROMIUM
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BONITA WTP AND SAN
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50% DESIGN
NOT FOR
CONSTRUCTION

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LANDSCAPE

PLANTING PLAN

L-01

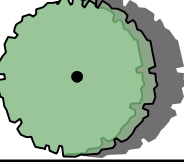



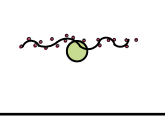
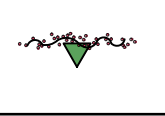
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T:\PROJECTS\24-250_38V_LSC\WP\Benita_WatDrawings\SCWD WATER WELLS LANDSCAPE.dwg, L02 Plant Schedule Notes and Images, 4/11/2025 3:34:20 PM, Myrtil O'Donnell, DWG to PDF.pcpl, ANSI, 6.0 based D 34.00 - 22.00 inches, 1:1

PLANT SCHEDULE

| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | SIZE | HEIGHT | WIDTH | WATER USE | CALIPER | | REMARKS |
|---|---------|-----|----------------------------------|-------------------------|---------|-----------|-----------|-----------|---------|----------|----------|
| TREES | | | | | | | | | | | |
|  | QUE AGR | 4 | QUERCUS AGRIFOLIA | COAST LIVE OAK | 24" BOX | 8' - 10' | 3' - 4' | VERY LOW | 1" - 2" | | STANDARD |
| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | SIZE | HEIGHT | WIDTH | WATER USE | | SPACING | REMARKS |
| SHRUBS | | | | | | | | | | | |
|  | ARC HOW | 7 | ARCTOSTAPHYLOS X 'HOWARD MCMINN' | HOWARD MCMINN MANZANITA | 15 GAL | 12" - 18" | 12" - 15" | LOW | | 96" o.c. | |
|  | CEA RAY | 6 | CEANOTHUS X 'RAY HARTMAN' | RAY HARTMAN WILD LILAC | 15 GAL | 30" | 36" | LOW | | 96" o.c. | |
|  | HET ARB | 9 | HETEROMELES ARBUTIFOLIA | TOYON | 15 GAL | 24" | 24" | LOW | | 72" o.c. | |
|  | ROS ALB | 8 | ROSA BANKSIAE 'ALBA PLENA' | WHITE LADY BANK'S ROSE | 15 GAL | 4' | 16" | LOW | | 96" o.c. | |
|  | VIT ROG | 6 | VITIS CALIFORNICA ROGER'S RED | ROGER'S RED GRAPE | 15 GAL | 4' | 16" | LOW | | 96" o.c. | |

PLANTING NOTES

1.

SEE SPECIFICATION SECTION 32 9300 FOR ADDITIONAL PLANTING REQUIREMENTS.
2.

CONTRACTOR SHALL PROCURE PLANT SPECIES WITHIN THIRTY (30) DAYS OF AWARD OF THE CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING REQUIRED DEPOSITS TO ENSURE TIMELY PROCUREMENT OF THE SPECIFIED PLANTS. CONTRACTOR SHALL PROVIDE OWNER'S REPRESENTATIVE WITH WRITTEN VERIFICATION (RECEIPTS) SHOWING PROCUREMENT TO MEET THE PLANTING REQUIREMENTS. CONTRACTOR TO SUBMIT PHOTOGRAPHS OF ALL PLANTS FOR REVIEW AND APPROVAL BY OWNER'S REPRESENTATIVE. PLANTS MAY NEED TO BE CONTRACT GROWN TO ENSURE PLANT AVAILABILITY. SEE PLANTING SPECIFICATION SECTION 32 9300.
3.

ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED IN PLACE UNLESS NOTED OTHERWISE. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE OF ANY KIND TO EXISTING TREES DURING THE COURSE OF CONSTRUCTION.
4.

HOLD FINISHED GRADES FOR SHRUB AREAS 1 1/2-INCHES BELOW TOP OF ADJACENT PAVEMENT OR WALLS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
4.

GRADUALLY ROUND OFF TOPS AND TOES OF ALL PLANTED SLOPES TO PRODUCE A SMOOTH AND NATURAL TRANSITION BETWEEN EXISTING PLANTING, FINISH GRADES AND NEW PLANTING.
5.

CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE A MINIMUM OF FIVE (5) DAYS IN ADVANCE TO SCHEDULE PLANT DELIVERY DATES. OWNER'S REPRESENTATIVE SHALL INSPECT PLANTS UPON ARRIVAL AND RESERVES THE RIGHT TO REJECT PLANTS.
6.

CONTRACTOR SHALL PLACE PLANTS AS SHOWN ON PLAN AND VERIFY LOCATION WITH OWNER'S REPRESENTATIVE. OWNER'S REPRESENTATIVE MAY REQUEST THAT CONTRACTOR ADJUST OR RELOCATE PLANTS ON-SITE AS NEEDED TO PROPERLY COMPLETE DESIGN.
7.

CONTRACTOR TO PROTECT ALL NEW PLANTS FROM GOPHERS, RODENTS, DEER, AND OTHER ANIMALS. TYPE AND EXTENT OF PROTECTION MEASURES SHALL BE DETERMINED BY CONTRACTOR AND SUBMITTED TO OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
8.

TYPICAL OF ALL TREES - KEEP ALL SHRUBS, GRASSES, PERENNIALS, GROUNDCOVER, VINES OR SUCCULENTS PLANTINGS 18-INCHES CLEAR FROM ANY EXISTING OR NEW TREE TRUNK.
9.

IF SOIL IS LIME TREATED, PLANTING AREAS TO BE EXCAVATED WITHIN 3-INCHES OF THE EDGE OF PAVING/CURB TO A DEPTH OF MINIMUM 18-INCHES BELOW LIME TREATMENT AND DISPOSED OF OFF-SITE. PLANTING AREAS TO BE FILLED WITH IMPORTED TOPSOIL AMENDED PER SOILS REPORT. PLANTING AREAS TO BE TESTED FOR PROPER DRAINAGE PRIOR TO PLANTING. SEE SPECIFICATION SECTION 32 9113 FOR ADDITIONAL REQUIREMENTS.
10.

COMPACTED SOILS MUST BE TRANSFORMED TO A FRIABLE CONDITION TO MAXIMIZE WATER RETENTION.
11.

INCORPORATE COMPOST INTO THE SOIL TO A MINIMUM OF 8-INCHES AT A MINIMUM RATE OF 6 CUBIC YARDS PER 1000 SQUARE FEET. SOILS WITH GREATER THAN 6% ORGANIC MATTER IN THE TOP 6-INCHES OF SOIL ARE EXEMPT FROM ADDING COMPOST AND TILLING.
12.

PROVIDE A MINIMUM OF 3 INCHES OF WOOD CHIP MULCH TO SOIL SURFACE AFTER PLANTING, AROUND EXISTING TREES AND SHRUBS TO REMAIN, AND OVER ALL BARE GROUND WITHIN PROJECT BOUNDARIES. MULCH SHALL NOT BE PLACED WITHIN A 12-INCH DIAMETER OF TREE TRUNKS AND SHOULD BE KEPT FREE FROM THE CROWN OF ALL SHRUBS, GRASSES, AND PERENNIALS. SEE SPECIFICATION SECTION 32 93 00 FOR MULCH TYPE.
13.

SOIL AMENDMENTS MUST BE INCORPORATED ACCORDING TO RECOMMENDATIONS OF THE SOIL ANALYSIS REPORT AND WHAT IS APPROPRIATE FOR THE PLANTS SELECTED.
14.

CONTRACTOR TO REVIEW ALL PLANS AND SPECIFICATIONS FOR SUBMITTALS, TESTING, AND OTHER REQUIREMENTS. CONTRACTOR TO IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BETWEEN SITE CONDITIONS AND INTENT OF THESE DRAWINGS. ANY CONFLICTS WILL BE RESOLVED PRIOR TO COMPLETING WORK.
15.

CONTRACTOR TO COORDINATE, PAY FOR, AND SUBMIT ALL DOCUMENTATION FOR THE CERTIFICATE OF COMPLETION AS OUTLINED IN THE SPECIFICATIONS, WHICH WILL DOCUMENT COMPLIANCE WITH THE WATER EFFICIENT LANDSCAPE ORDINANCE.

PLANT IMAGES



QUERCUS AGRIFOLIA
(COAST LIVE OAK)



ARCTOSTAPHYLOS X 'HOWARD MCMINN'
(HOWARD MCMINN MANZANITA)



CEANOTHUS 'RAY HARTMAN'
(RAY HARTMAN WILD LILAC)



HETEROMELES ARBUTIFOLIA
(TOYON)



ROSA BANKSIAE 'ALBA PLENA'
(WHITE LADY BANK'S ROSE)



VITIS CALIFORNICA ROGER'S RED
(ROGER'S RED GRAPE)



Black & Veatch Corporation
Walnut Creek, California

JONI L. JANECKI
& ASSOCIATES

515 SWIFT ST. SANTA CRUZ CA 95060
PHONE 831.423.6040 | WWW.JLJA.COM
California Landscape Architect License 3163

SOQUEL CREEK
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BONITA WTP AND SAN
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50% DESIGN
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LANDSCAPE

PLANT SCHEDULE,
NOTES, AND IMAGES

L-02

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(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4

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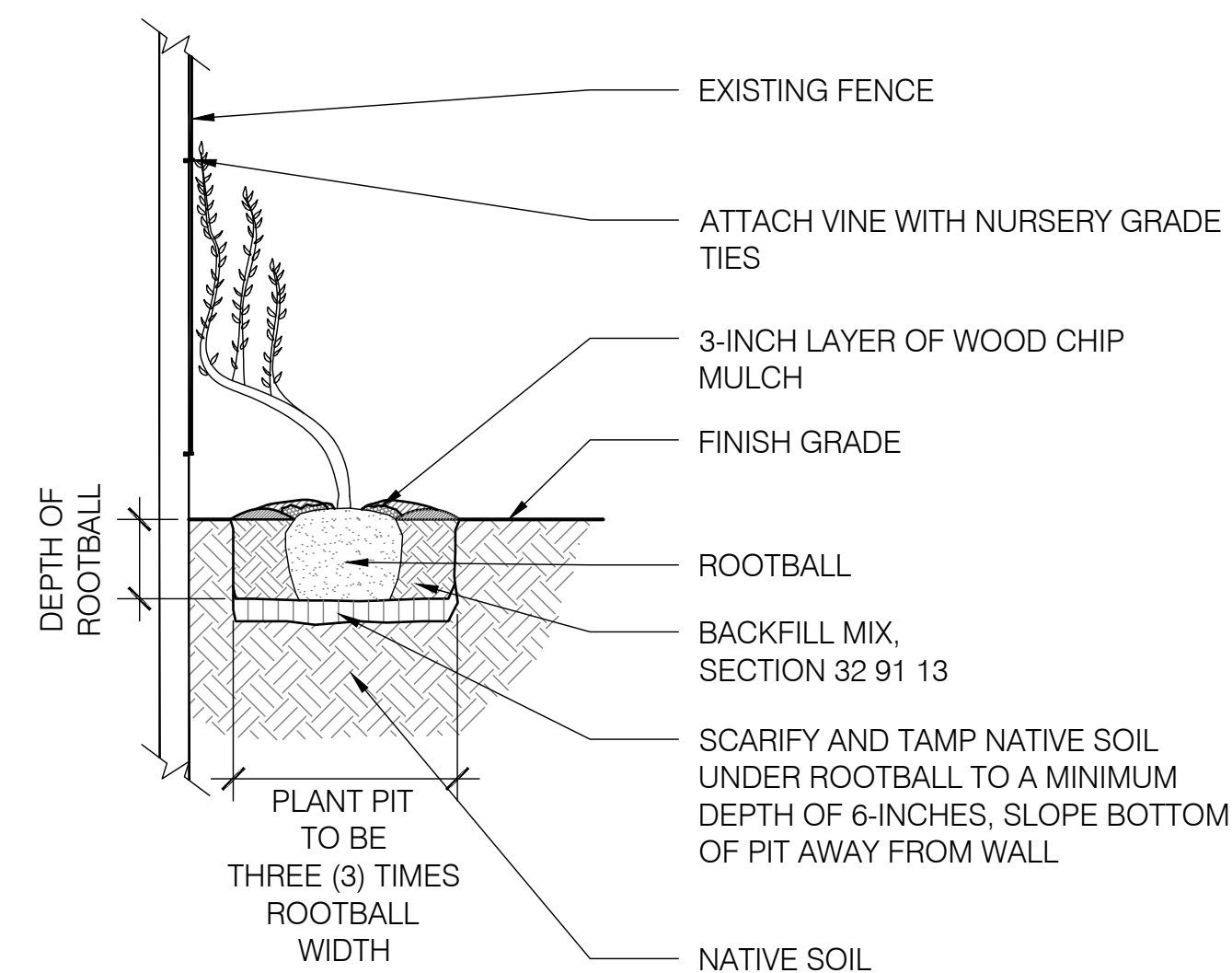
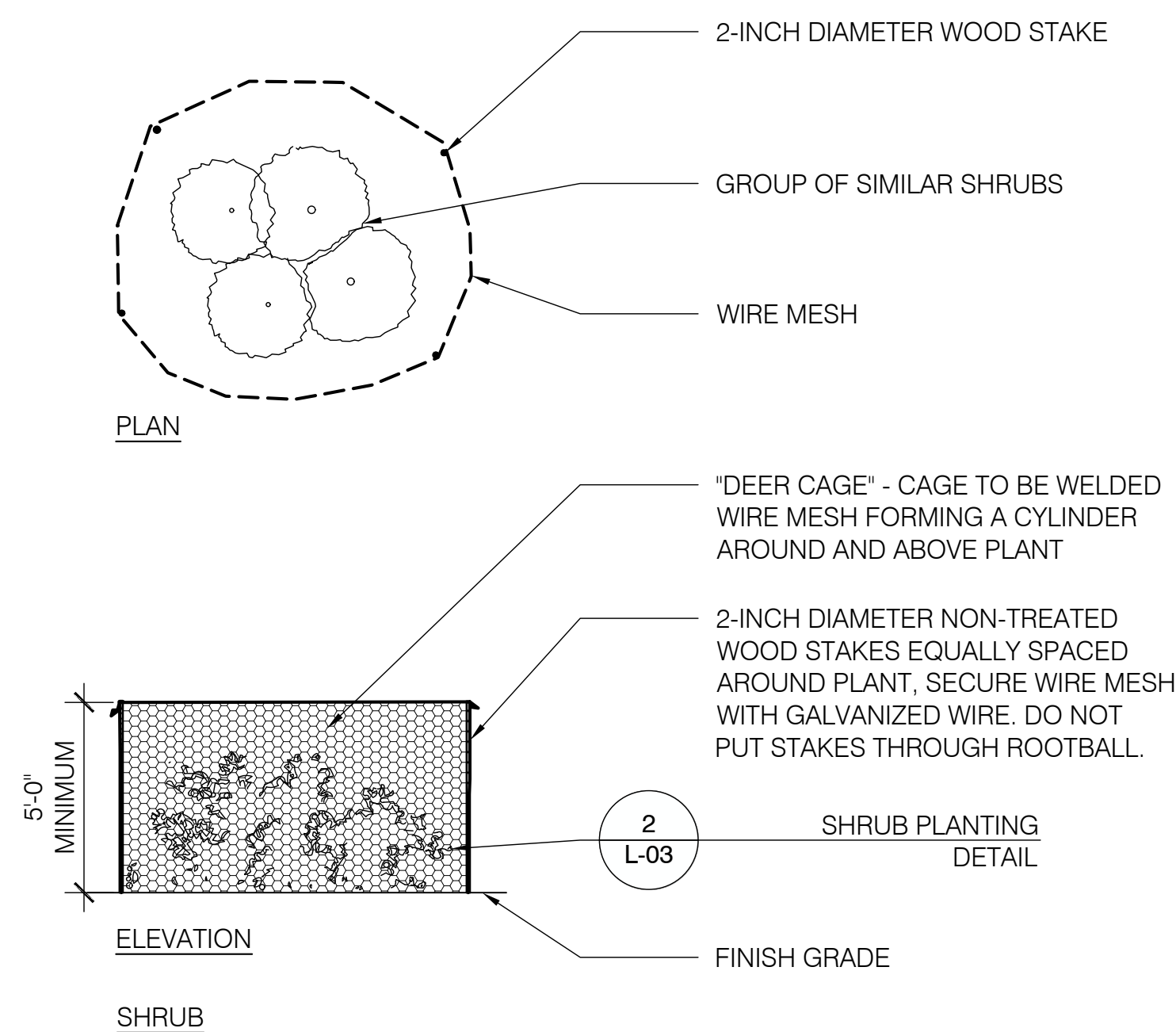
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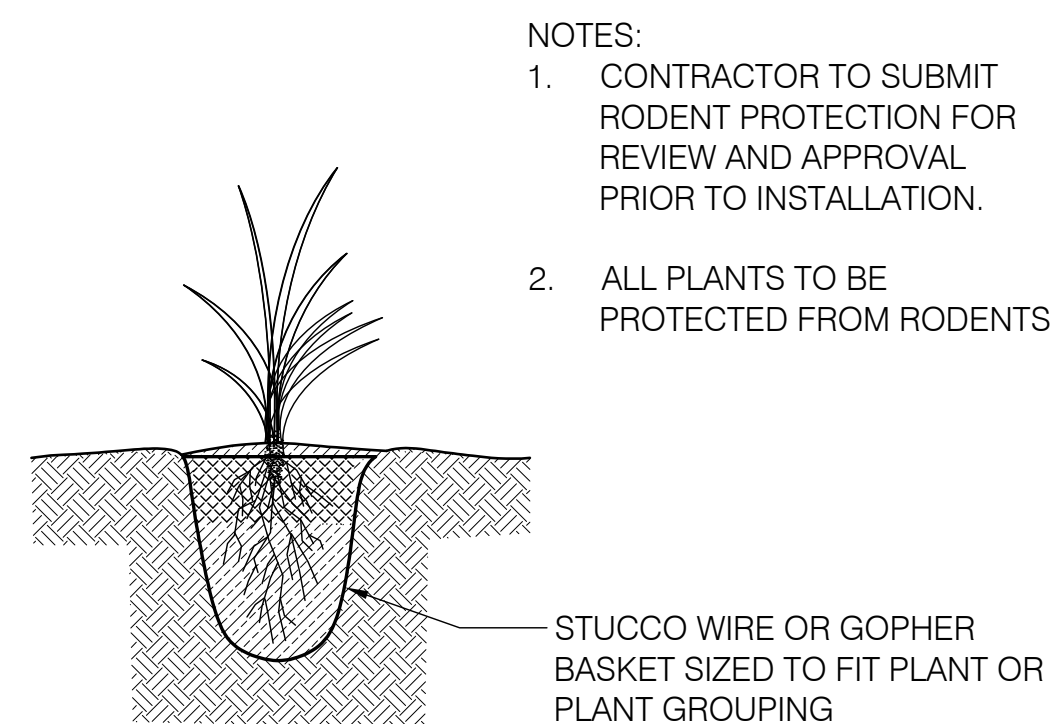
LANDSCAPE

PLANTING DETAILS

L-03

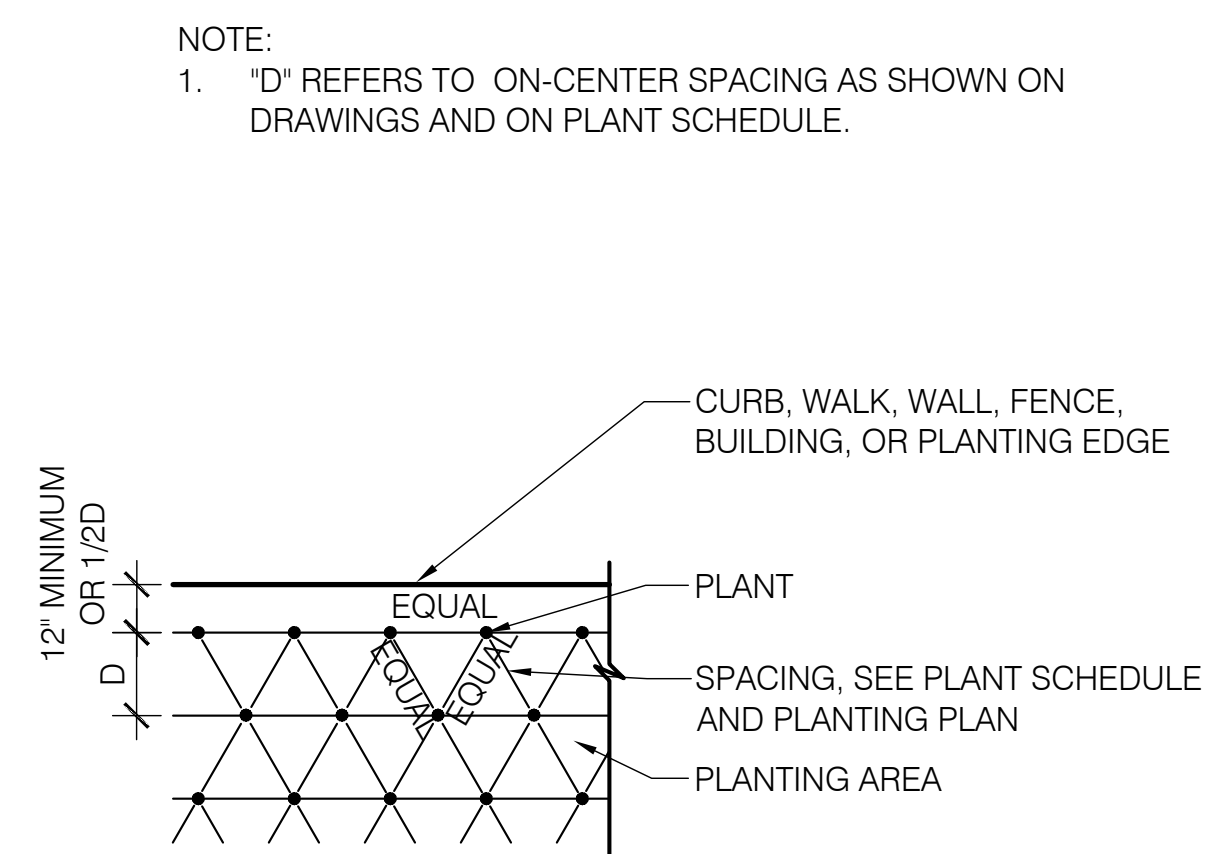
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5 VINE TYING DETAIL
1/4" = 1'-0"

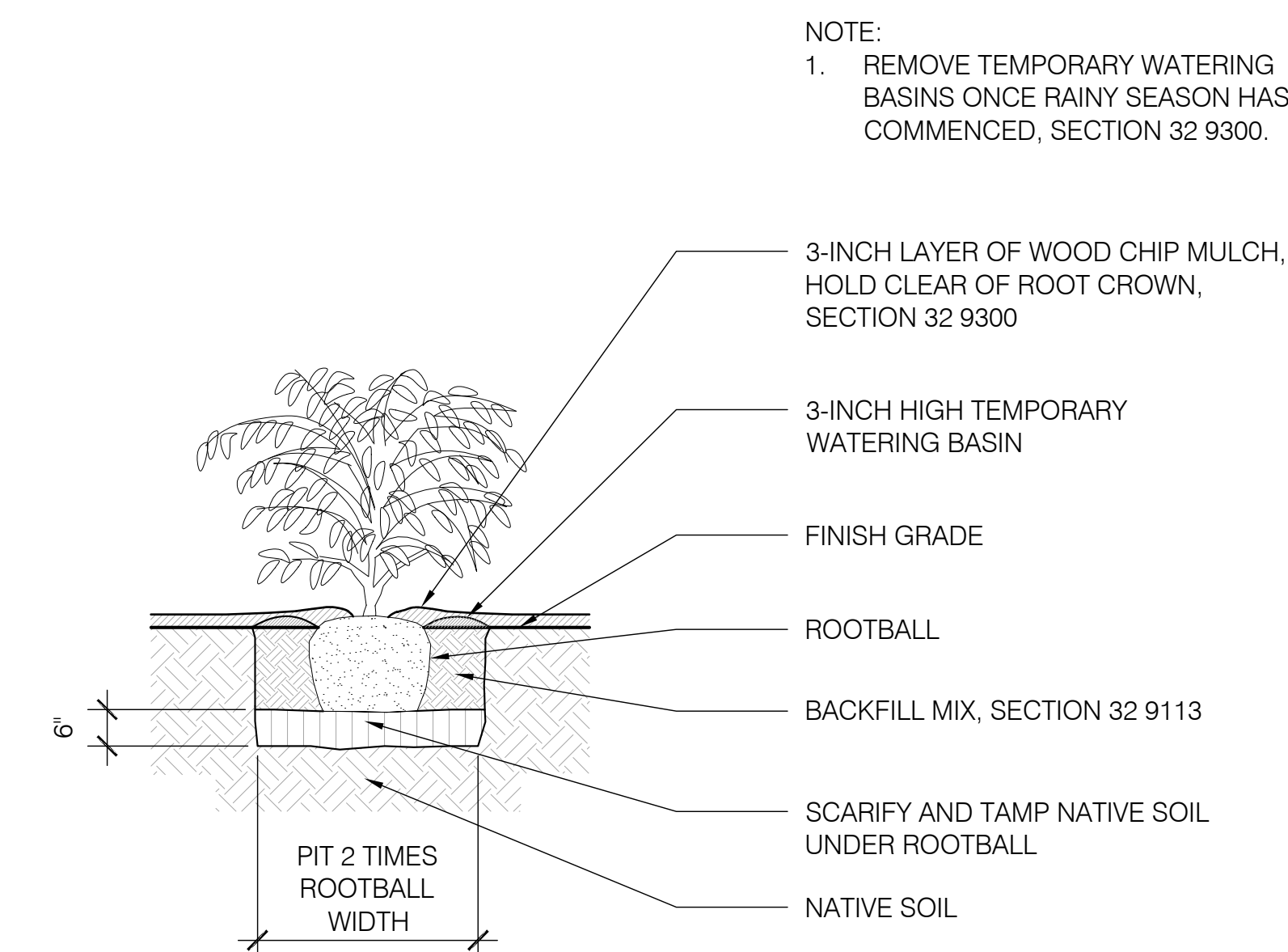


4 RODENT PROTECTION DETAIL

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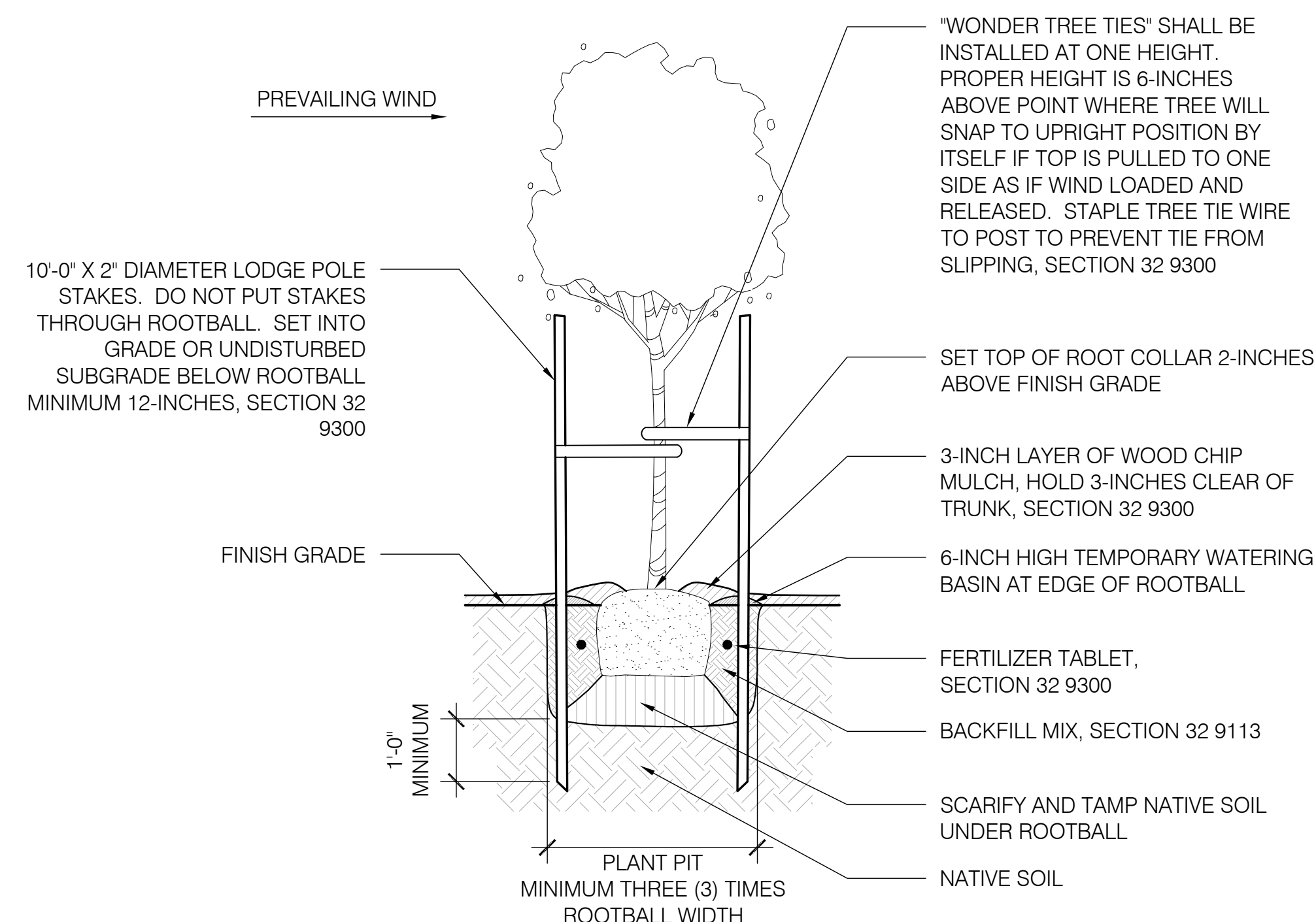


3 TYPICAL PLANT SPACING DETAIL
NOT TO SCALE



2 SHRUB PLANTING DETAIL
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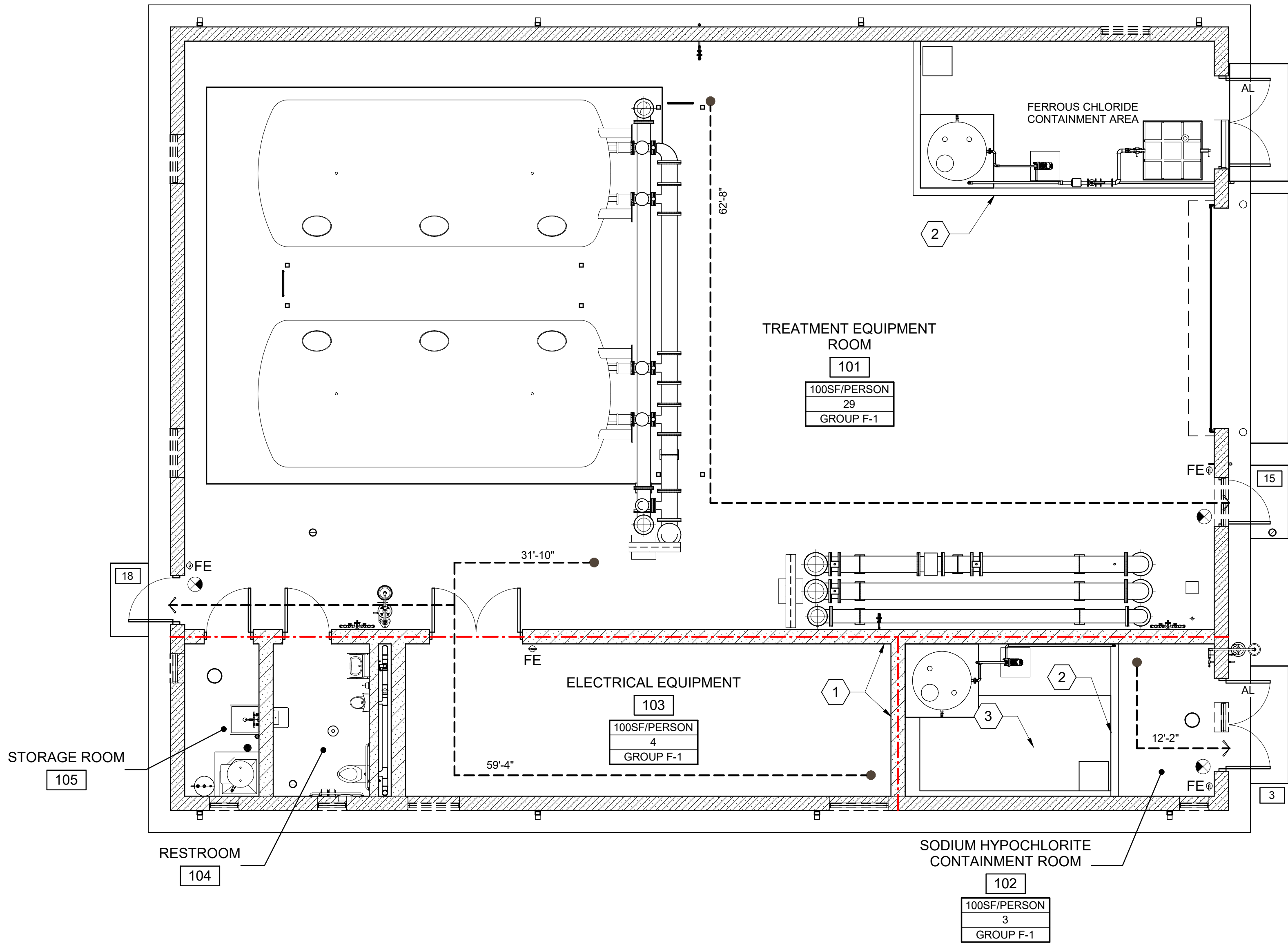
- NOTES:
- | | | | | | |
|----|--|----|--|-----|--|
| 1. | ALL TREES TO BE STAKED ON PREVAILING WIND SIDE WHEN TREE IS IN LEAF. VERIFY ALL CONNECTORS ARE SECURE AND TIGHT. | 6. | CONTRACTOR TO COORDINATE AND PROVIDE PHOTOS OF PROPOSED TREES. | 10. | DO NOT PRUNE TREES WITHOUT PRIOR APPROVAL FROM OWNER'S REPRESENTATIVE. |
| 2. | CONTRACTOR SHALL DOUBLE STAKE ALL TREES LESS THAN 48-INCH BOX TREES. | 7. | PLANTS WITH LARGE CIRCLING ROOTS OR KINKED ROOTS ON INTERIOR OF THE ROOTBALL WILL NOT BE ACCEPTED. | 11. | MULTI-TRUNK NATURAL FORM TREES MAY REQUIRE GUY WIRE STAKING, OR GUY WIRE STAKING MAY BE PREFERRED BY CONTRACTOR. CONTRACTOR TO SUBMIT SHOP DRAWING FOR REVIEW BY LANDSCAPE ARCHITECTURE PRIOR TO INSTALLING. |
| 3. | CONTRACTOR SHALL REMOVE NURSERY STAKE(S) AND TAGS FROM TREES UPON COMPLETION OF STAKING. | 8. | TREES SHALL BE SUPPLIED WITH WELL TAPERED STRONG TRUNKS WHICH WILL STAND ALONE. | | |
| 4. | "WONDER TREE TIES" SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. | 9. | TREES SUPPLIED WITH TOPS TOO LARGE FOR TRUNKS TO SUPPORT SHALL BE PRUNED AS DIRECTED BY OWNER'S REPRESENTATIVE TO REDUCE CROWN HEIGHT. DO NOT REMOVE LATERALS ALONG TRUNK. | | |
| 5. | REMOVE TEMPORARY WATERING BASINS ONCE RAINY SEASON HAS COMMENCED. | | | | |



1 TREE PLANTING DETAIL
NOT TO SCALE

JULY
2025

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LIFE SAFETY PLAN
3/16" = 1'-0"

GENERAL NOTES

- SEE DRAWING A-8 FOR ARCHITECTURAL ABBREVIATION LEGEND.
- GOVERNMENT CODE 53091 EXEMPTS THIS FACILITY FROM LOCAL BUILDING ORDINANCES. THIS BUILDING WILL FOLLOW FIRE REQUIREMENTS UNDER 2022 CALIFORNIA BUILDING CODE (CBC).

SHEET KEYNOTES

- 1-HOUR FIRE RATED ASSEMBLY.
- 6" CONCRETE CONTAINMENT CURB, SEE STRUCTURAL.
- EMERGENCY EYE WASH AND SHOWER, SEE PLUMBING DRAWINGS.

LIFE SAFETY LEGEND

- FE
X-X"
100SF/PERSON
10
GROUP F-1
1
EL X.XX
1-HOUR FIRE RATED BARRIER
- FIRE EXTINGUISHER (FE)
MAXIMUM COMMON PATH OF TRAVEL
OCCUPANTS PER SF
OCCUPANT LOAD
OCCUPANT CLASSIFICATION
CUMULATIVE OCCUPANT LOAD
EXIT SYMBOL
FINISHED FLOOR RELATIVE ELEVATION
1-HOUR FIRE RATED BARRIER

BUILDING CODE ANALYSIS

APPLICABLE CODES: 2022 CALIFORNIA BUILDING CODE (CBC)
2022 CALIFORNIA ENERGY CODE (CEC)

| | |
|--------------------------------|--|
| BUILDING NAME: | MAIN EQUIPMENT BUILDING |
| OCCUPANCY TYPE | MODERATE-HAZARD FACTORY INDUSTRIAL F-1 |
| CONSTRUCTION TYPE | 2-B, NON-COMBUSTIBLE UNPROTECTED |
| ALLOWABLE AREA | 15,500 SQ. FT. |
| ACTUAL FLOOR AREA | 3,872 SQ. FT. |
| ALLOWABLE HEIGHT | 55 FT., 2 STORIES |
| ACTUAL HEIGHT | 24'-3" FT., 1 STORY |
| DESIGN OCCUPANT LOAD | 36 OCCUPANTS |
| REQUIRED NO. OF EXITS | 3 EXITS |
| ACTUAL NO. OF EXITS | 3 EXITS |
| COMMON PATH OF EGRESS | 75 FT |
| EXIT ACCESS TRAVEL DISTANCE | 200 FT |
| ADA ACCESSIBILITY | NOT REQUIRED PER CBC SECTION 11B-203.5 |
| OCCUPANCY SEPARATION | YES, 1 HOUR RATED FIRE BARRIER TO SEPARATE THE CHEMICAL CONTROL AREAS. |
| FIRE SPRINKLERS | NOT REQUIRED (SEE NOTE 2) |



Black & Veatch Corporation
Walnut Creek, California



SOQUEL
CREEK WATER
DISTRICT

HEXAVALENT
CHROMIUM REMOVAL
PROJECT BONITA WTP &
SAN ANDREAS WELL

PRELIMINARY -
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CONSTRUCTION

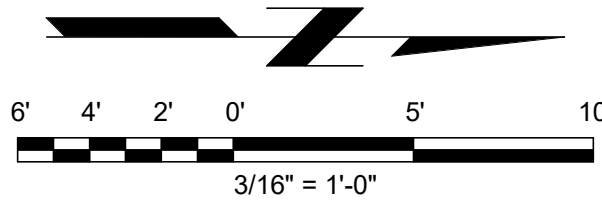
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LIFE SAFETY FLOOR
PLAN

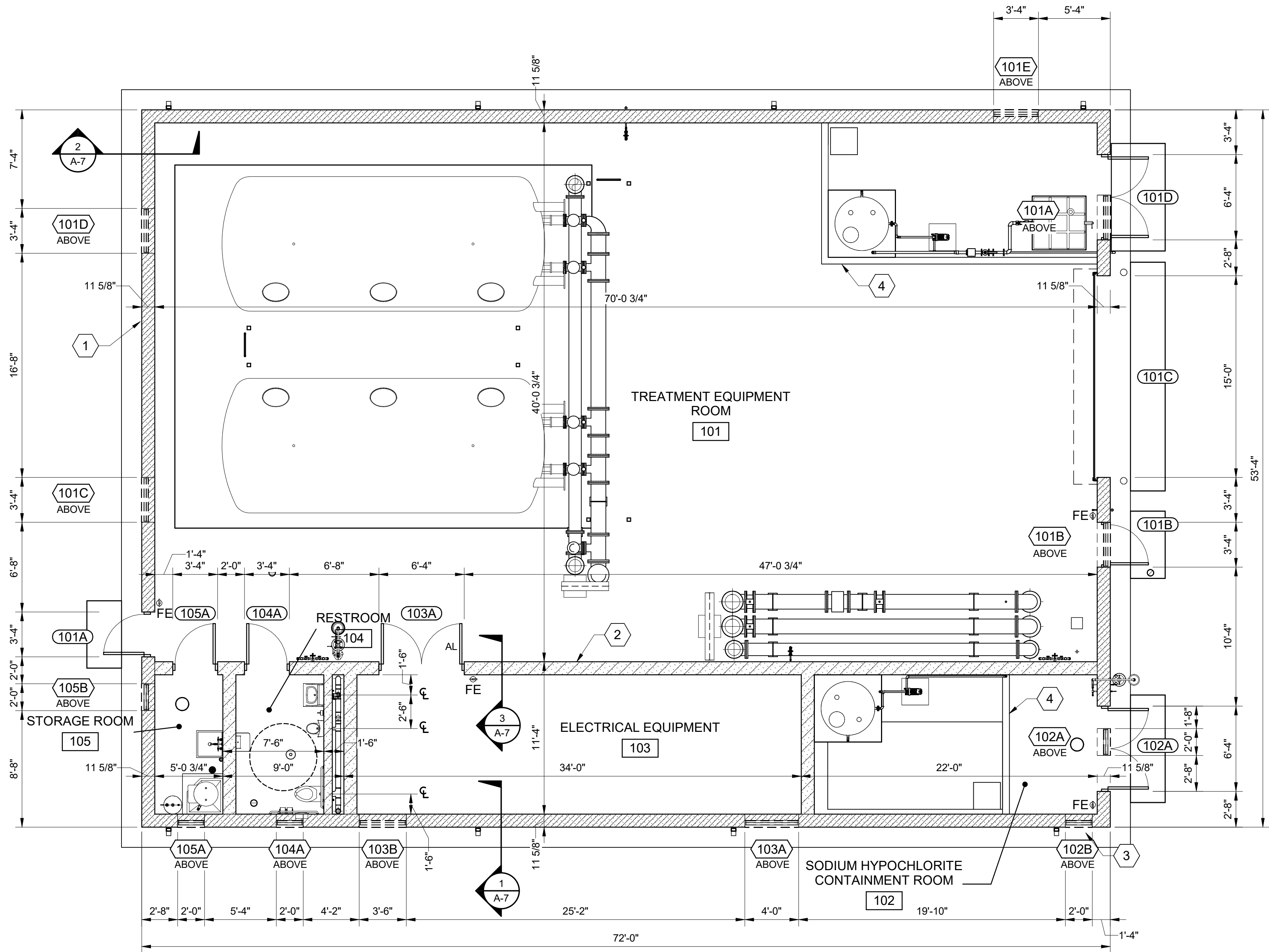
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(SCALE BAR IS 4" AT FULL SCALE)

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OPERATING FLOOR PLAN
3/16" = 1'-0"

GENERAL NOTES

- SEE DRAWING A-8 FOR ARCHITECTURAL ABBREVIATION LEGEND.

SHEET KEYNOTES

- 12" SPLIT FACE CONCRETE BLOCK WALL, TYP.
- 12" SMOOTH FACE CONCRETE BLOCK WALL, TYP.
- PRE-FINISHED ALUMINUM DOWNSPOUT, TYP.
- 6" CONCRETE CONTAINMENT CURB, SEE STRUCTURAL



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SOQUEL
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DISTRICT

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CHROMIUM REMOVAL
PROJECT BONITA WTP &
SAN ANDREAS WELL

PRELIMINARY -
NOT FOR
CONSTRUCTION

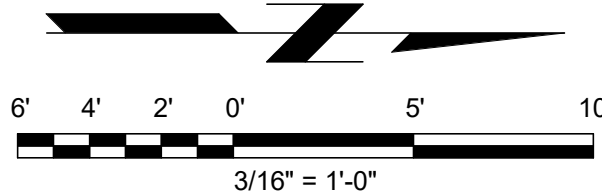
REVISIONS AND RECORD OF ISSUE

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OPERATING FLOOR PLAN

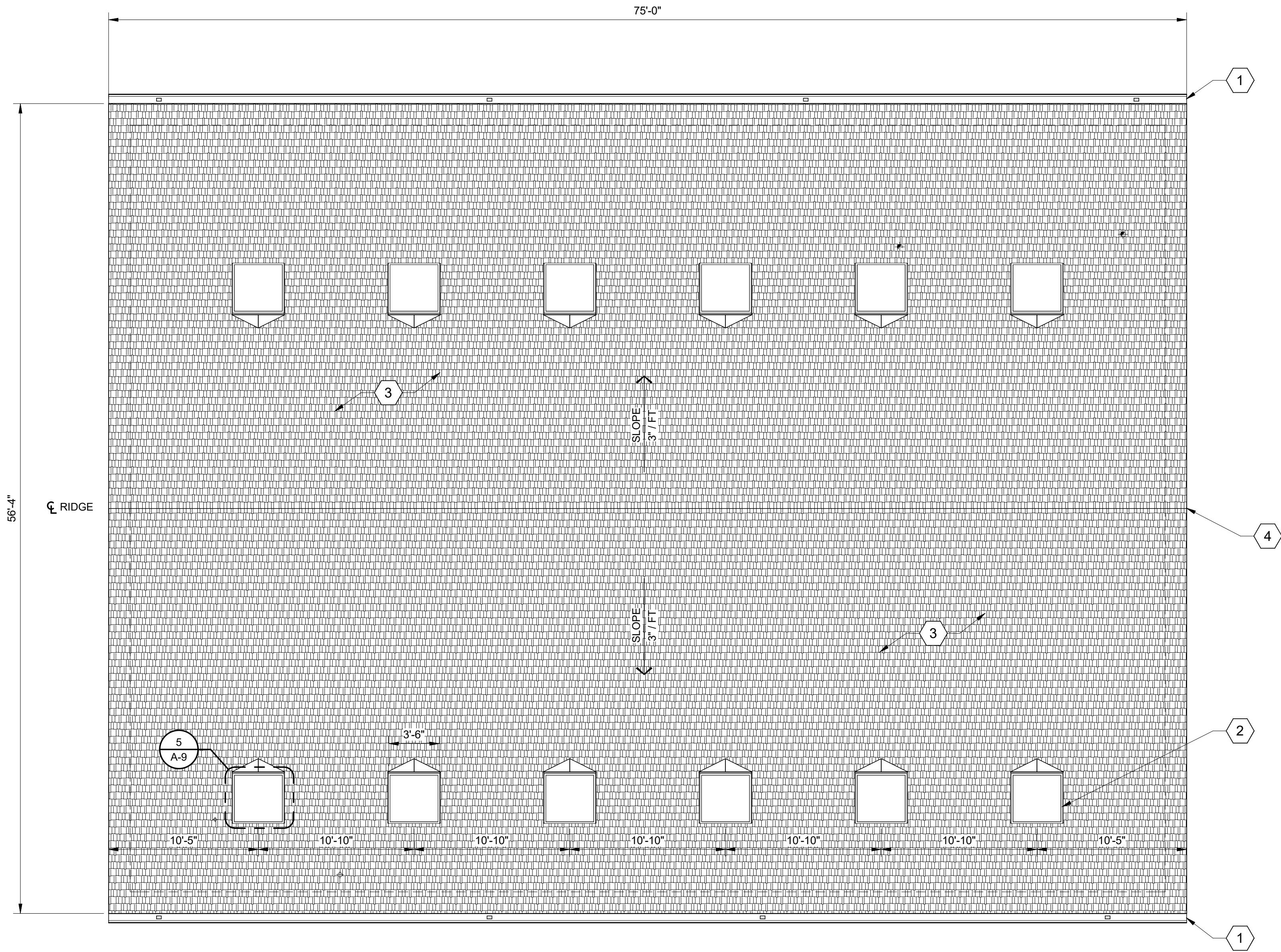
A-3

OF



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ROOF PLAN
3/16" = 1'-0"

GENERAL NOTES

1. SEE DRAWING A-5 FOR ARCHITECTURAL ABBREVIATION LEGEND.

SHEET KEYNOTES

1. PRE-FINISHED ALUMINUM GUTTER.
2. 3'-6" x 3'-6" SKYLIGHT, TYP.
3. ASPHALT SHINGLE ROOF. ROOF COVERING SHALL NOT BE LESS THAN CLASS "B" RATED ROOF.
4. PRE-FINISHED SHEET METAL GABLE TRIM.

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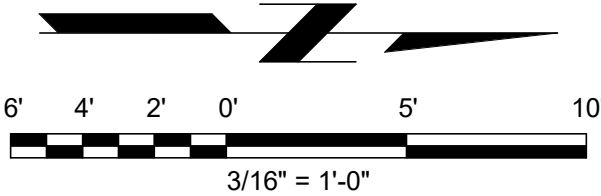
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ROOF PLAN AND DETAILS

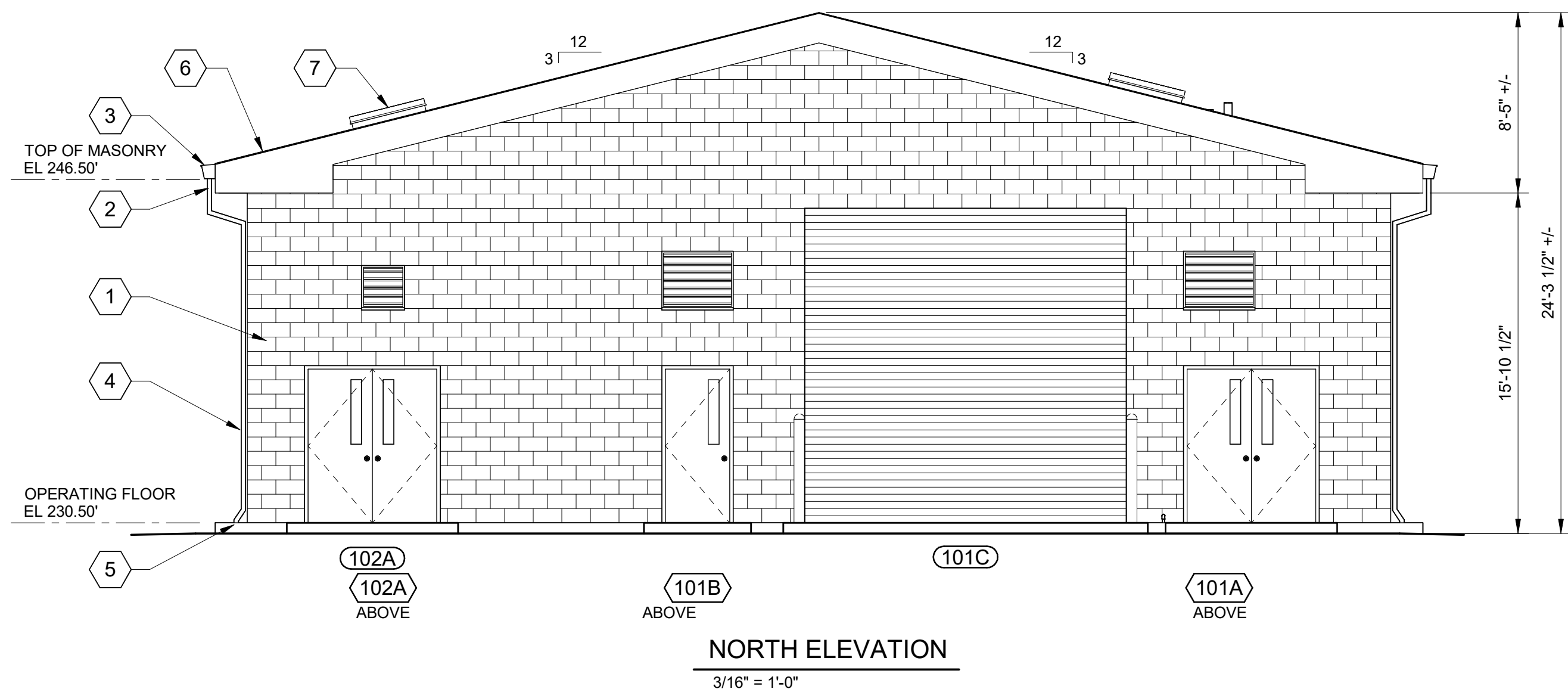
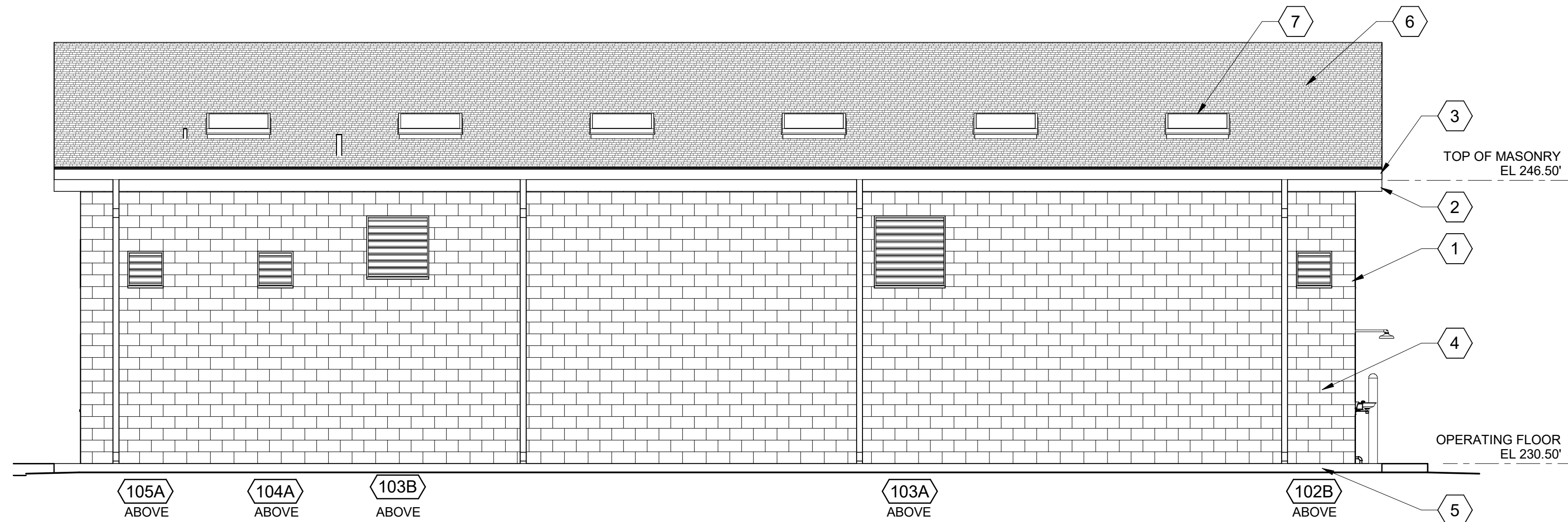
A-4

OF



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GENERAL NOTES

- SEE DRAWING A-8 FOR ARCHITECTURAL ABBREVIATION LEGEND.

SHEET KEYNOTES

- 12" SPLIT-FACE CONCRETE BLOCK (TAN-COLORED)
- PRE-FINISHED SHEET ALUMINUM FASCIA
- PRE-FINISHED ALUMINUM GUTTER
- PRE-FINISHED ALUMINUM DOWNSPOUT
- DOWNSPOUT TO PIPE ADAPTER (TYP) REFER TO CIVIL AND MECHANICAL DWGS FOR CONTINUATION
- ASPHALT SHINGLE ROOF
- 3'-6" x 3'-6" SKYLIGHT (TYP)



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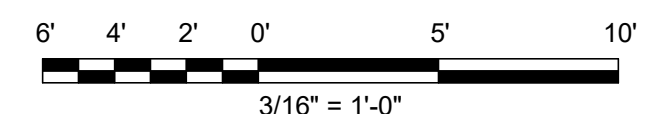
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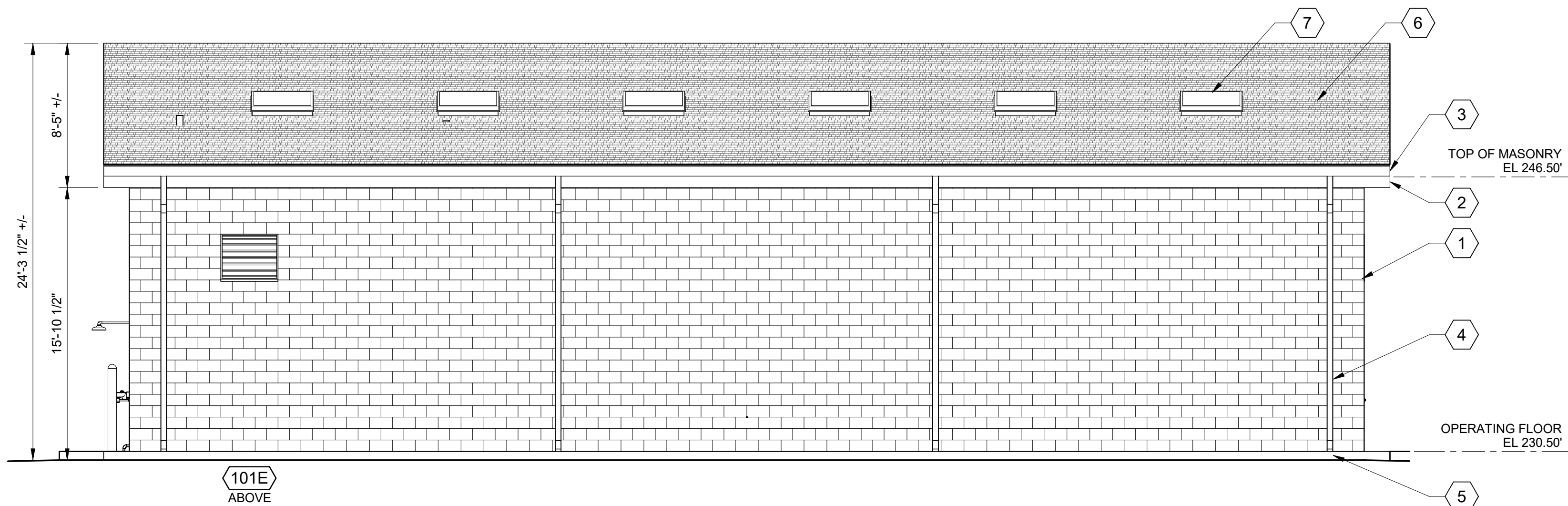
ELEVATIONS

A-5

OF

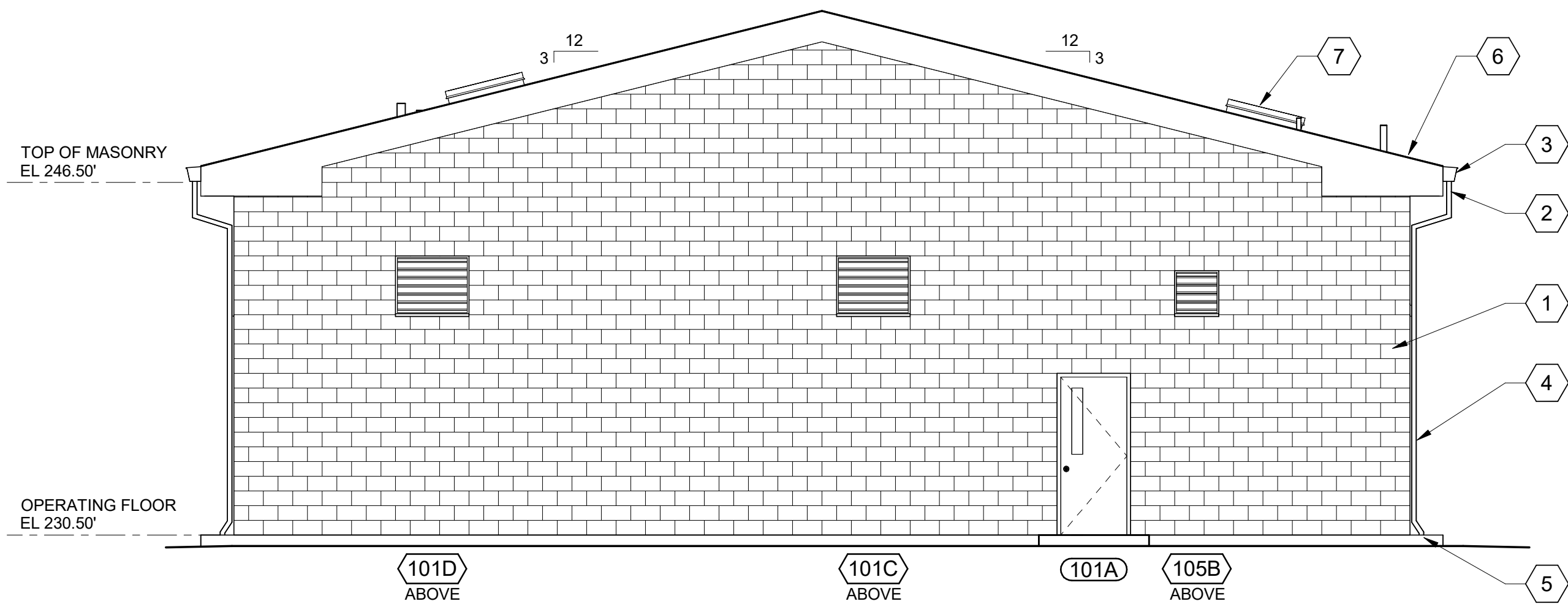


(SCALE BAR IS 4" AT FULL SCALE)



WEST ELEVATION

3/16" = 1'-0"



SOUTH ELEVATION

3/16" = 1'-0"

GENERAL NOTES

- SEE DRAWING A-8 FOR ARCHITECTURAL ABBREVIATION LEGEND.

SHEET KEYNOTES

- 12" SPLIT-FACE CONCRETE BLOCK (TAN-COLORED)
- PRE-FINISHED SHEET ALUMINUM FASCIA
- PRE-FINISHED ALUMINUM GUTTER
- PRE-FINISHED ALUMINUM DOWNSPOUT
- DOWNSPOUT TO PIPE ADAPTER (TYP) REFER TO CIVIL AND MECHANICAL DWGS FOR CONTINUATION
- ASPHALT SHINGLE ROOF
- 3'-6" x 3'-6" SKYLIGHT (TYP)



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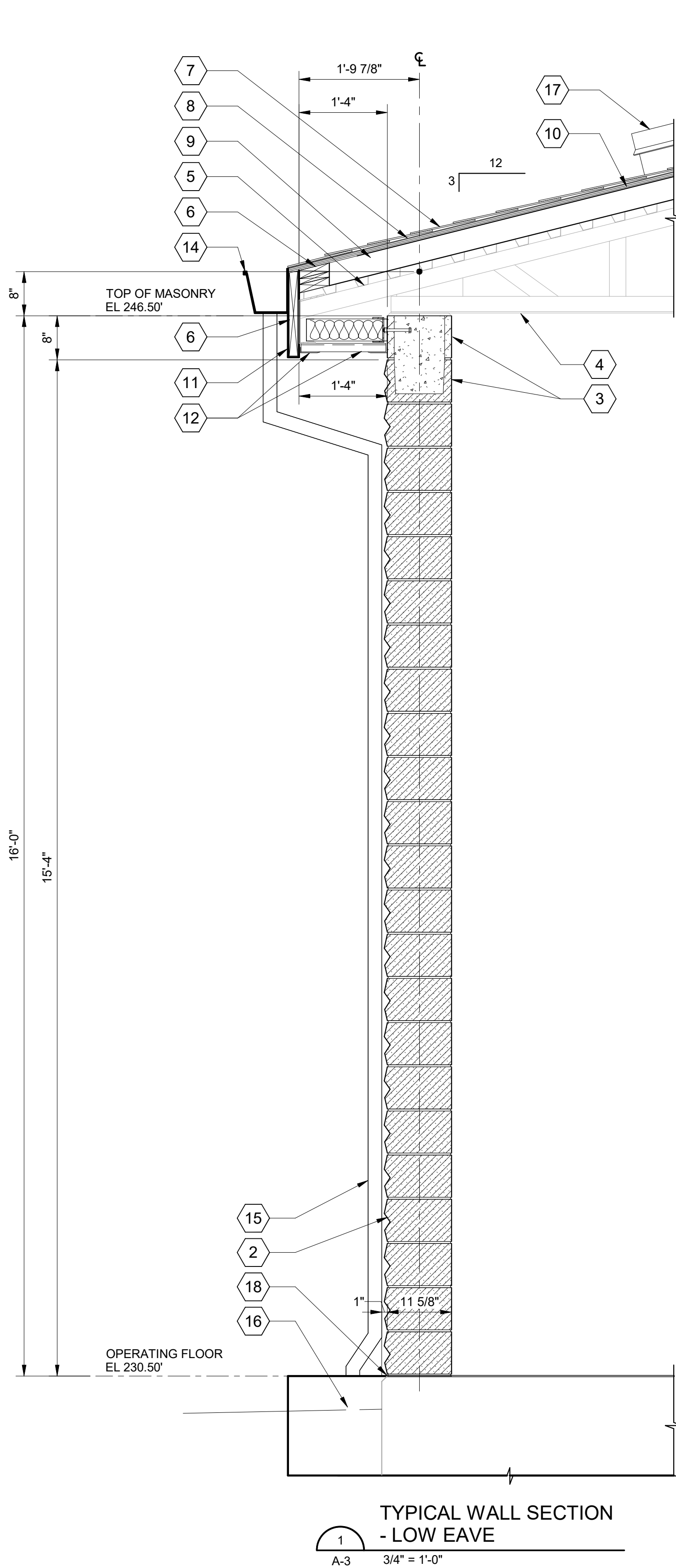
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ELEVATIONS

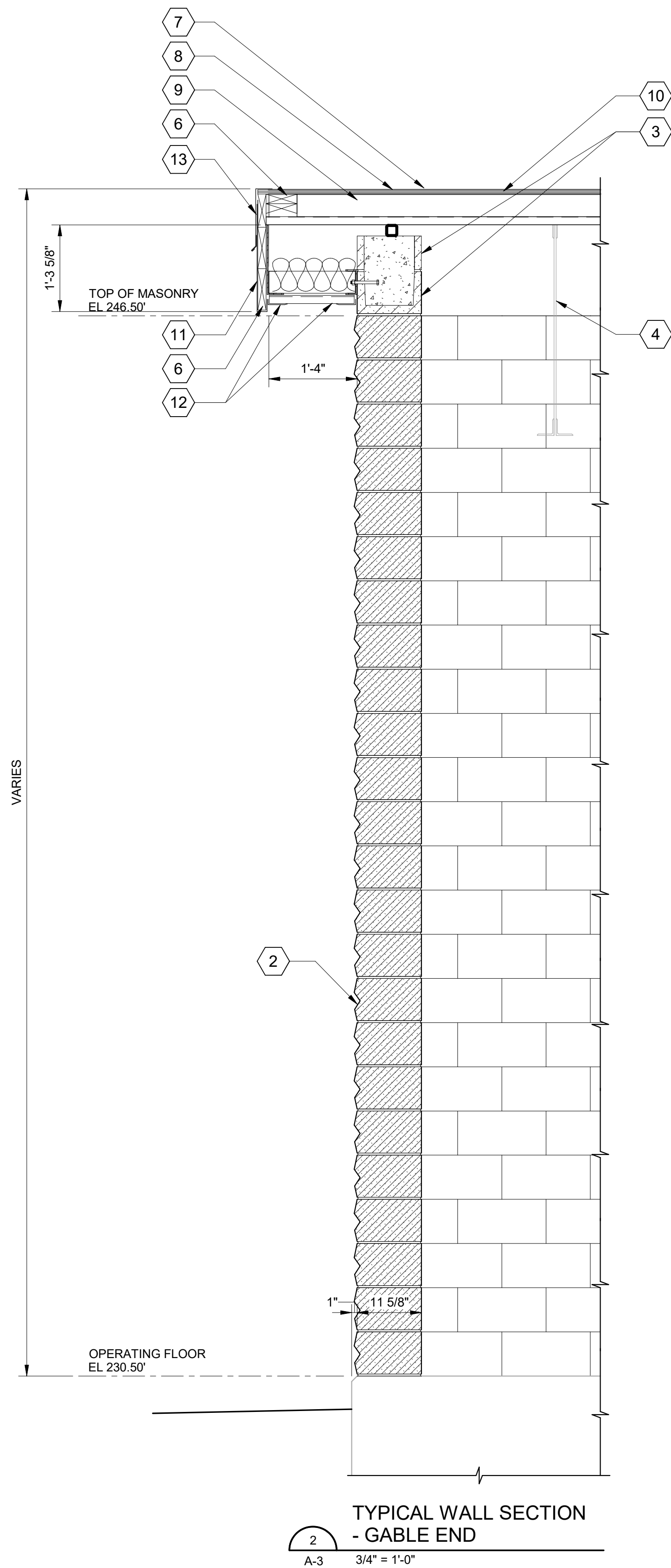
A-6

OF

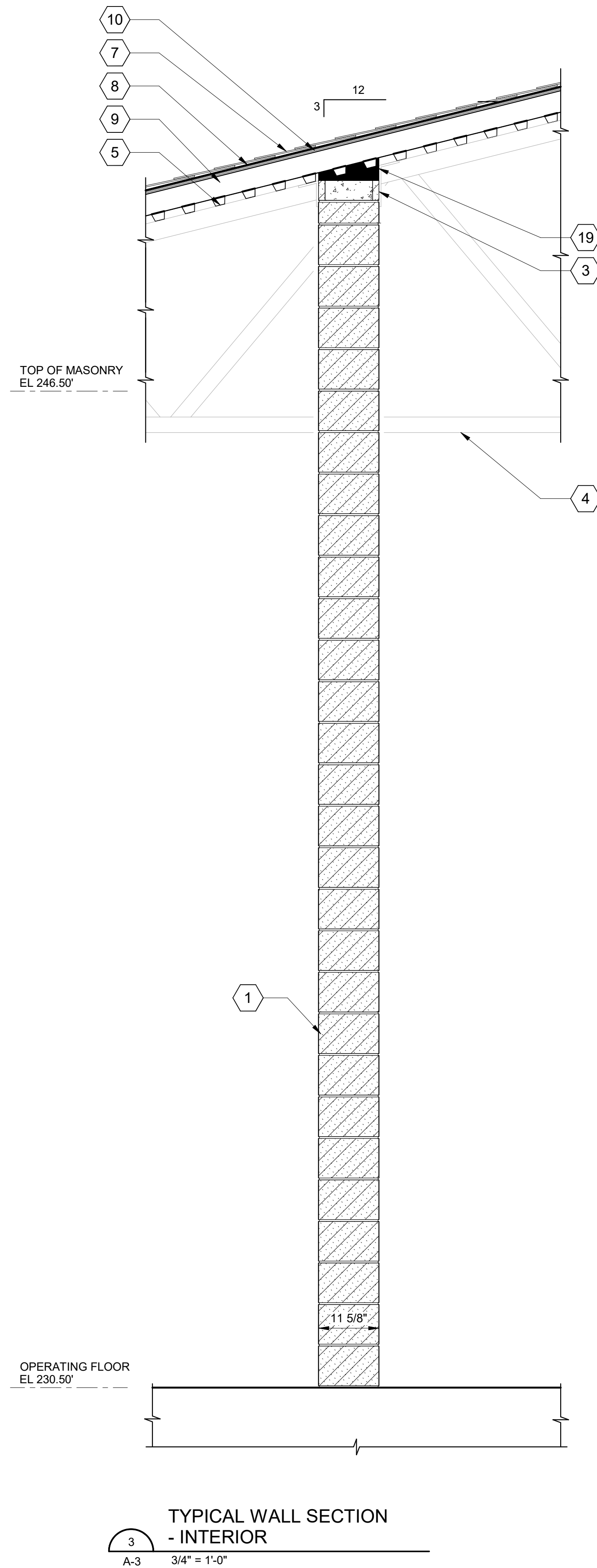
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1
A-3
TYPICAL WALL SECTION
- LOW EAVE
3/4" = 1'-0"



2
A-3
TYPICAL WALL SECTION
- GABLE END
3/4" = 1'-0"



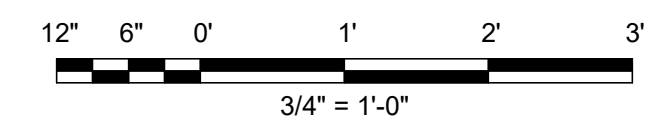
3
A-3
TYPICAL WALL SECTION
- INTERIOR
3/4" = 1'-0"

GENERAL NOTES

- SEE DRAWING A-8 FOR ARCHITECTURAL ABBREVIATION LEGEND.
- SEE STRUCTURAL DRAWINGS FOR VERTICAL REINFORCING AND BOND BEAMS IN MASONRY DESIGN.
- SEE SPECIFICATION SECTION 04200 FOR HORIZONTAL JOINT REINFORCING.

SHEET KEYNOTES

- 12" CONCRETE BLOCK
- 12" SPLIT FACE CONCRETE BLOCK (TAN)
- 12" SMOOTH FACE CONCRETE BLOCK
- STEEL JOIST, SEE STRUCTURAL DWGS
- 1 1/2" METAL DECK
- TREATED 2X WOOD BLOCKING
- ASPHALT SHINGLE ROOF
- 15# ASPHALT SATURATED FELT UNDERLAYMENT
- 4" COMPOSITE INSULATION
- 3/4" EXTERIOR GRADE PLYWOOD T&G
- PRE-FINISHED SHEET ALUMINUM FASCIA TRIM
- PRE-FINISHED VENTED ALUMINUM SOFFIT PANELS AND TRIM
- PRE-FINISHED SHEET ALUMINUM GABLE TRIM
- PRE-FINISHED ALUMINUM GUTTER
- PRE-FINISHED ALUMINUM DOWNSPOUT
- DOWNSPOUT TO PIPE ADAPTER (TYP), REFER TO CIVIL AND MECHANICAL DWGS FOR CONTINUATION
- 3'-6" x 3'-6" SKYLIGHT BEYOND SEE ROOF PLAN FOR LOCATIONS
- RAKE JOINT 1/2" INSERT BACKUP ROD AND CAULK (TYP)
- FIRE-RESISTANT INSULATION AT WALL TOP



(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



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WALL SECTIONS

A-7

OF



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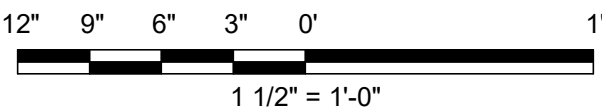
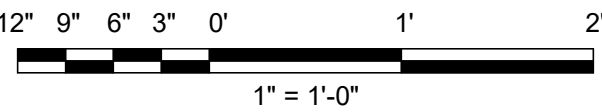
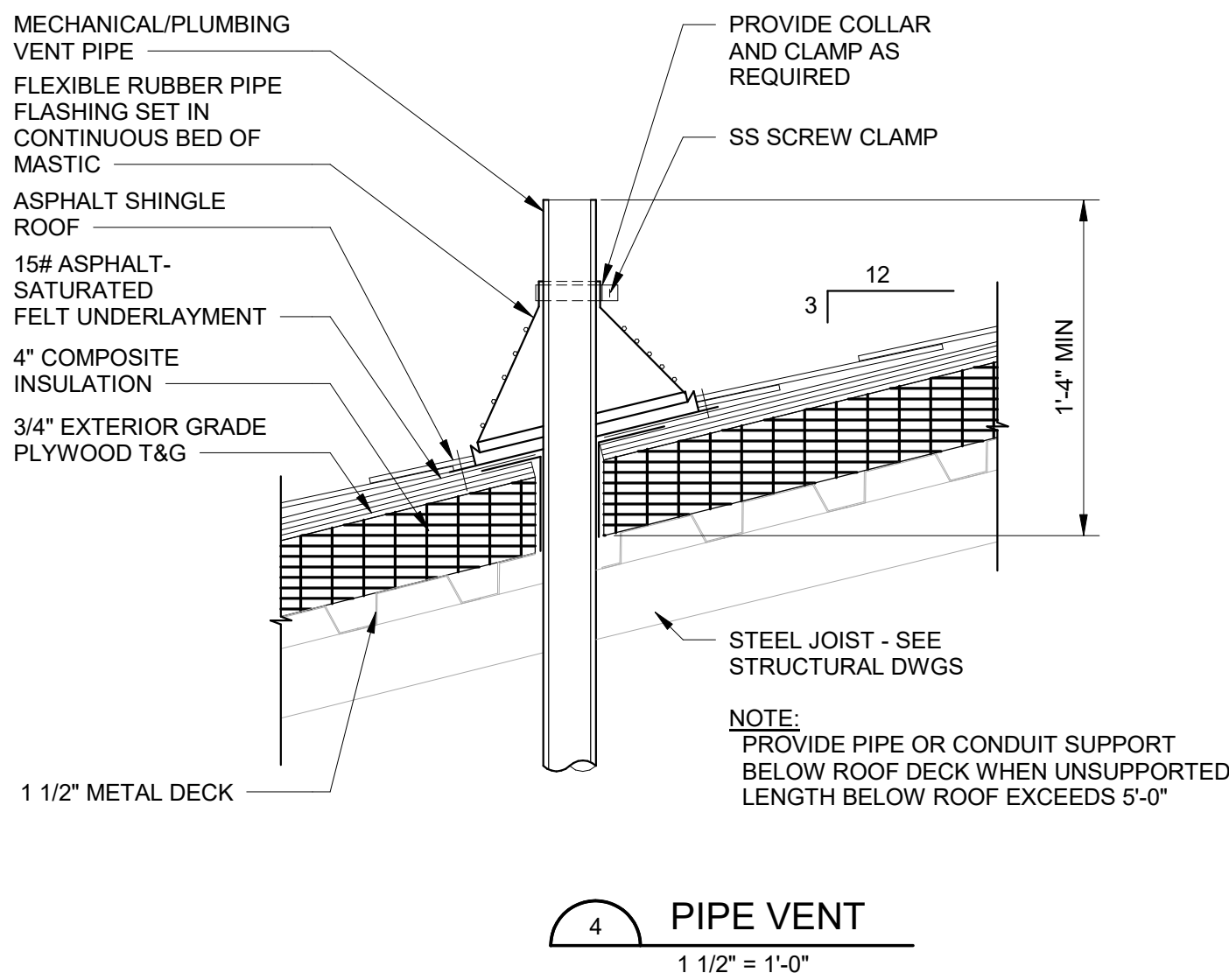
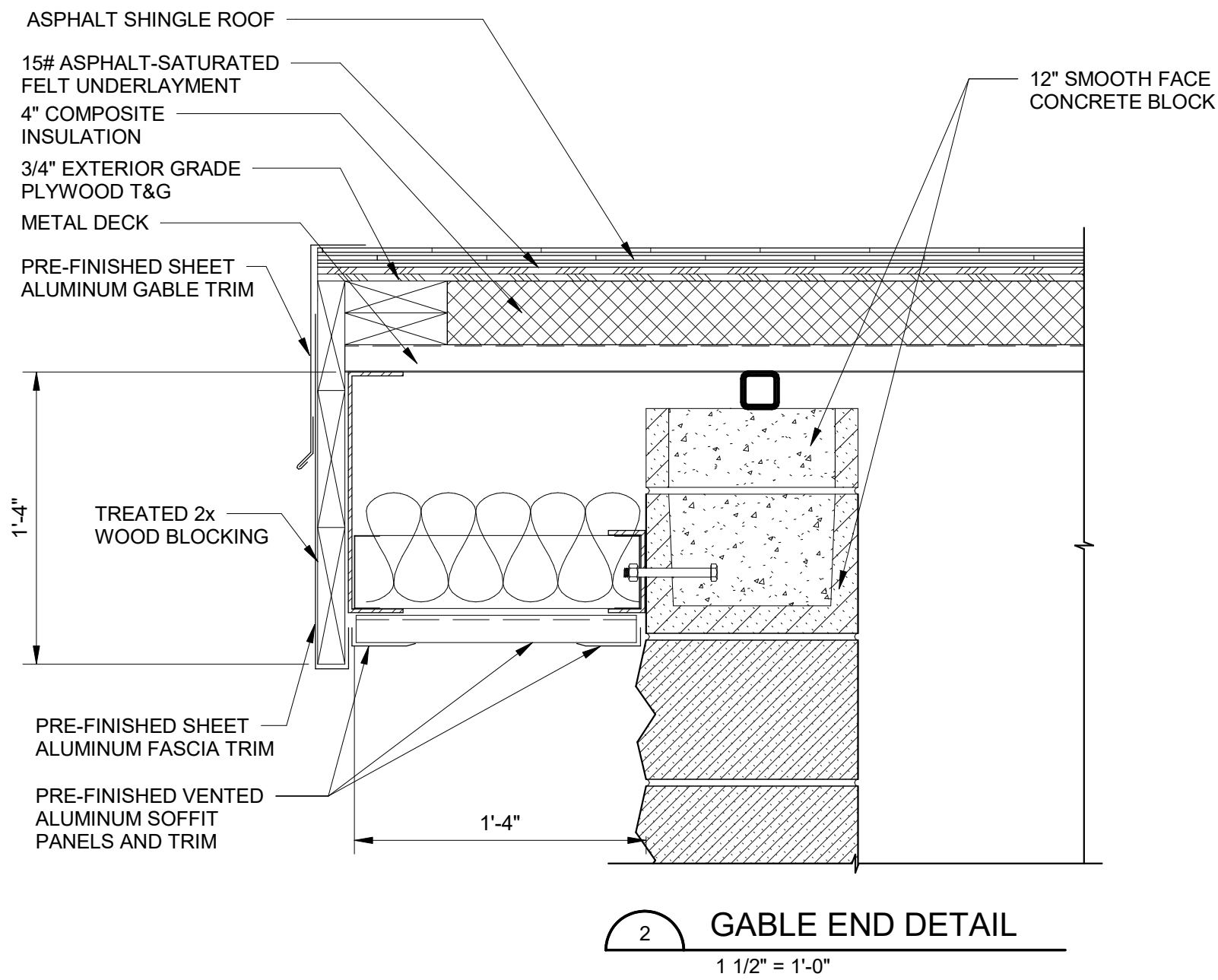
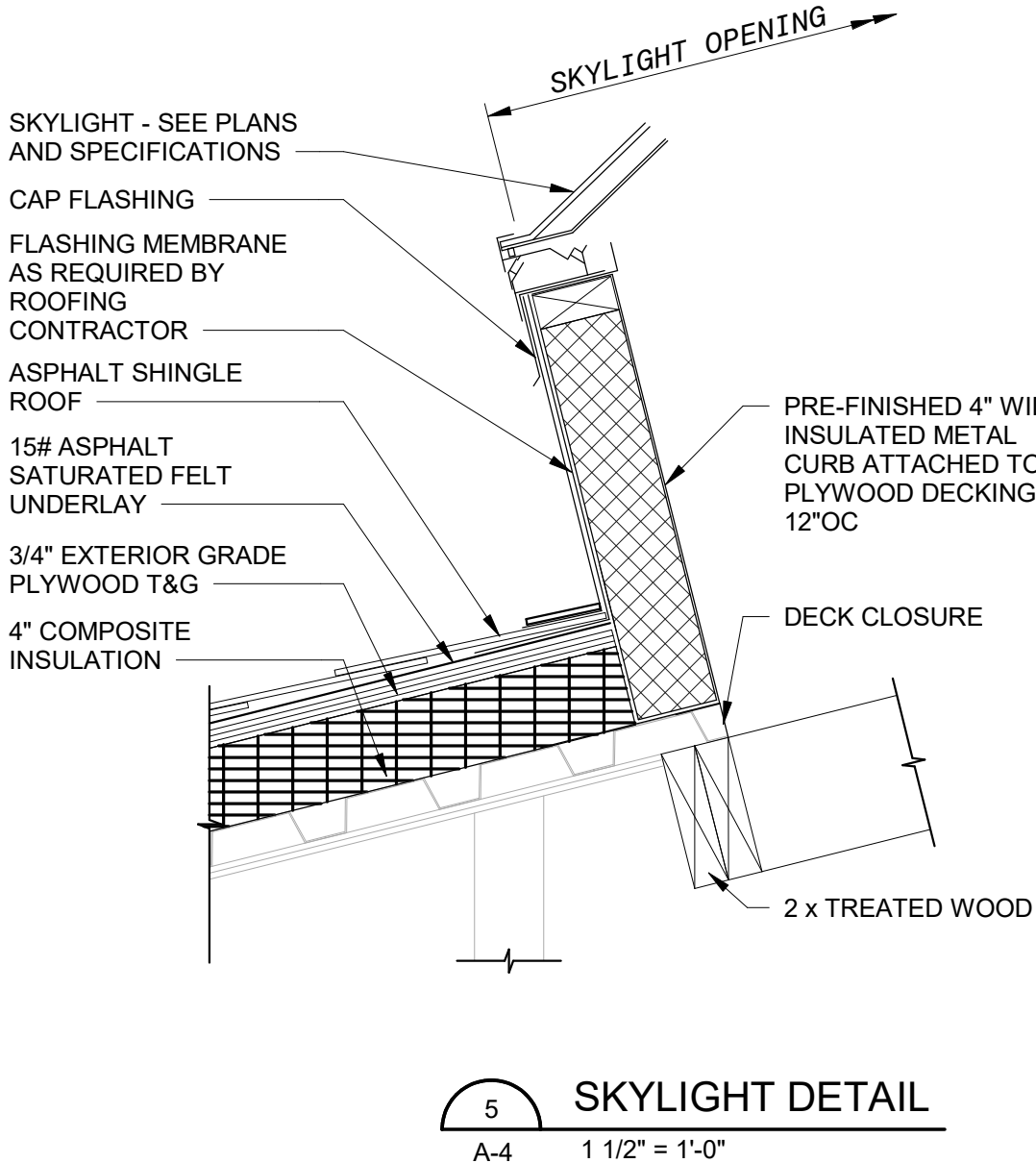
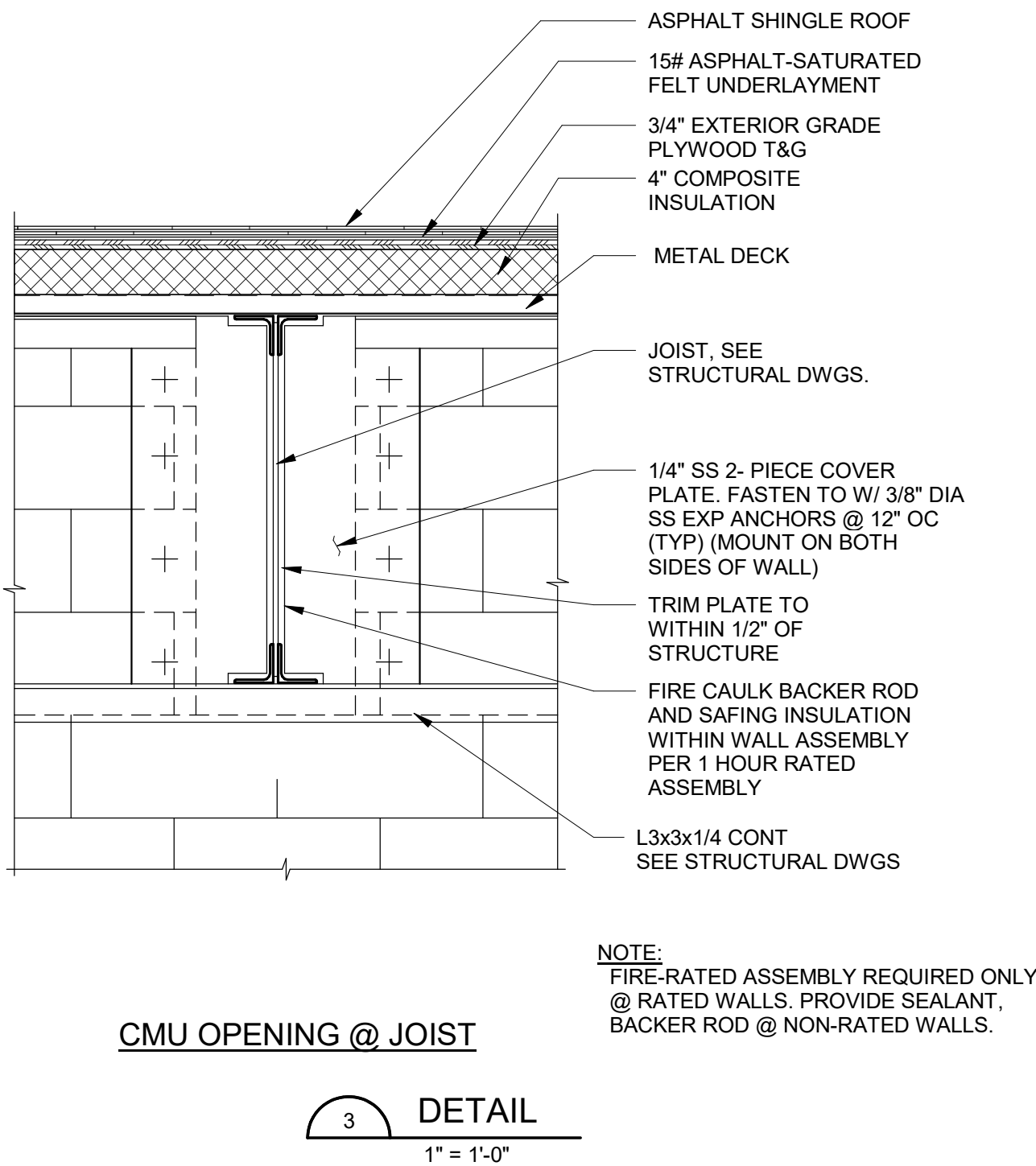
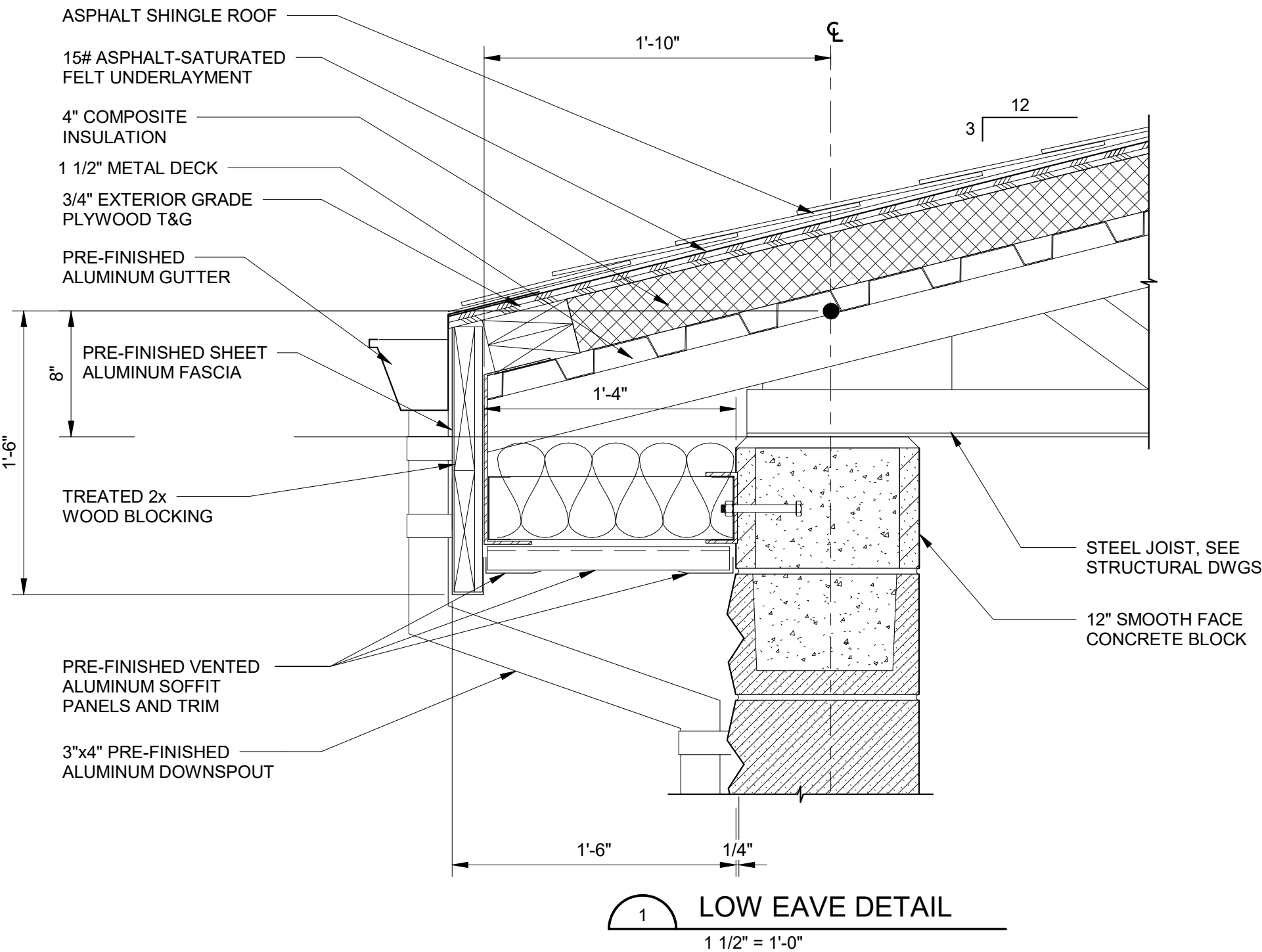
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DETAILS

A-9

OF





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PROJECT
BONITA WTP
AND SAN ANDREAS
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| DATE: | JULY 2025 |
| PROJECT NO.: | 419795 |

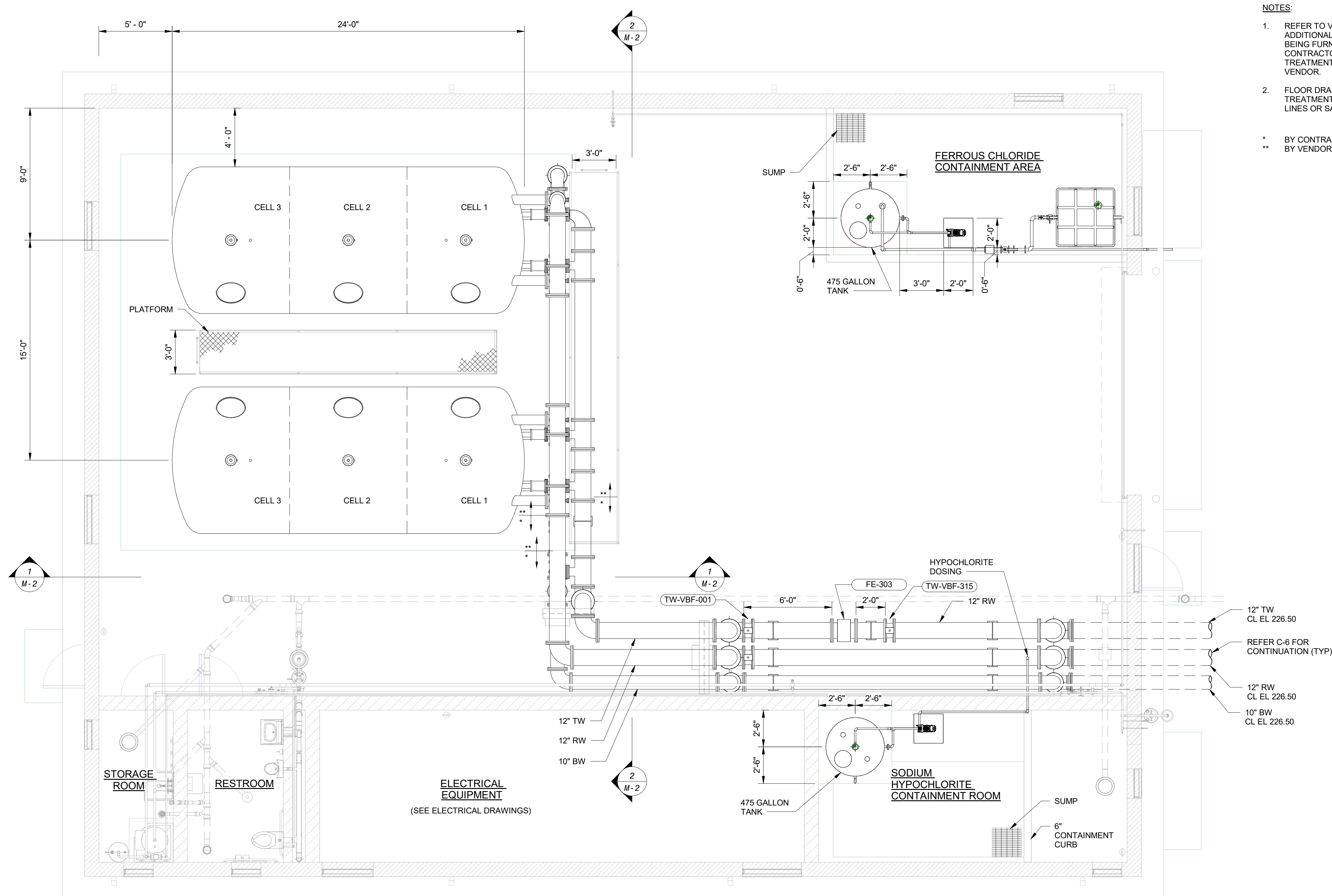
TREATMENT BUILDING

PROCESS MECHANICAL

TREATMENT BUILDING PLAN

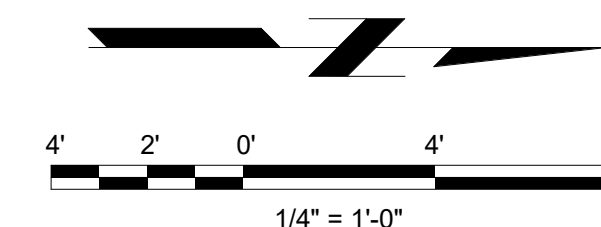
M-1

OF



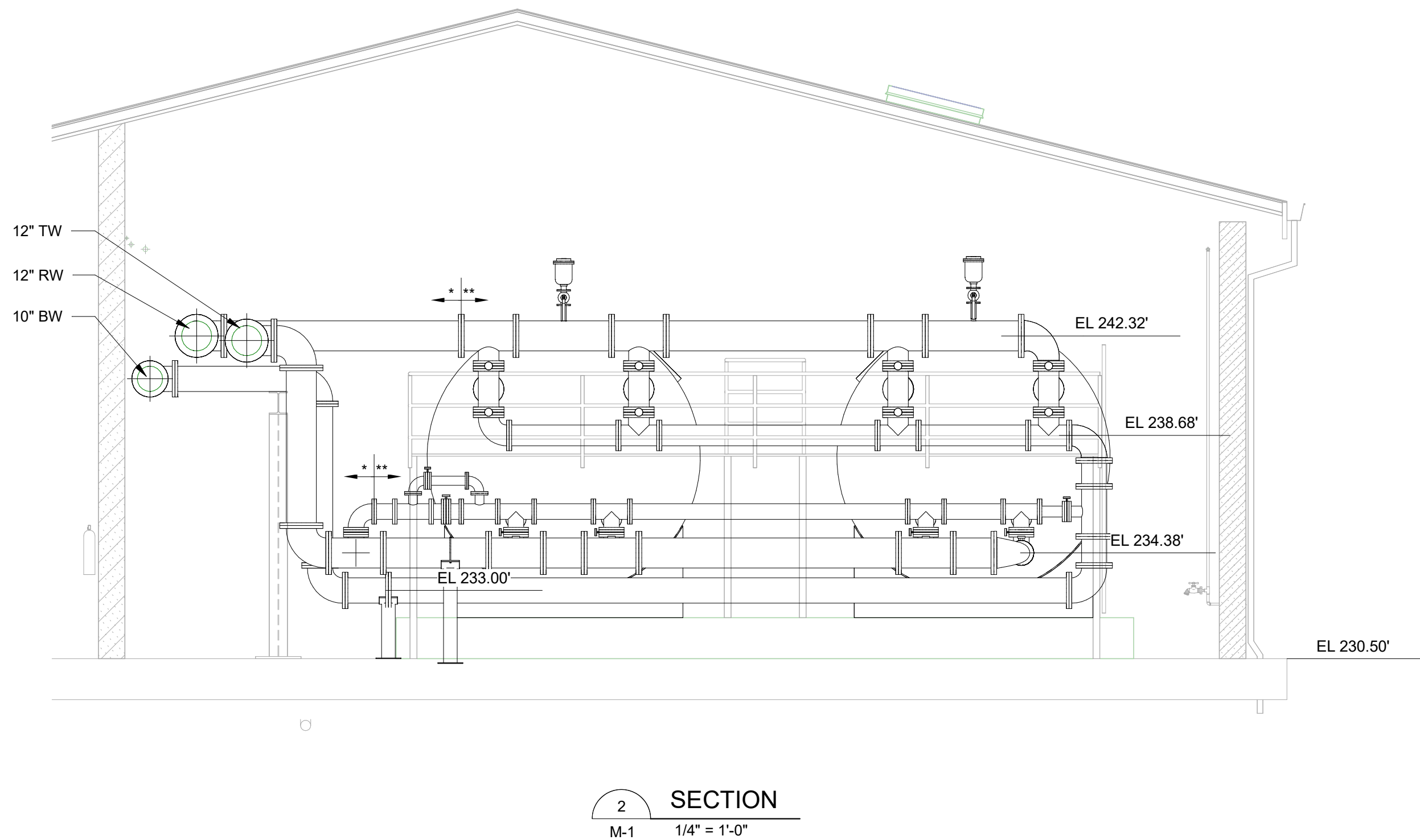
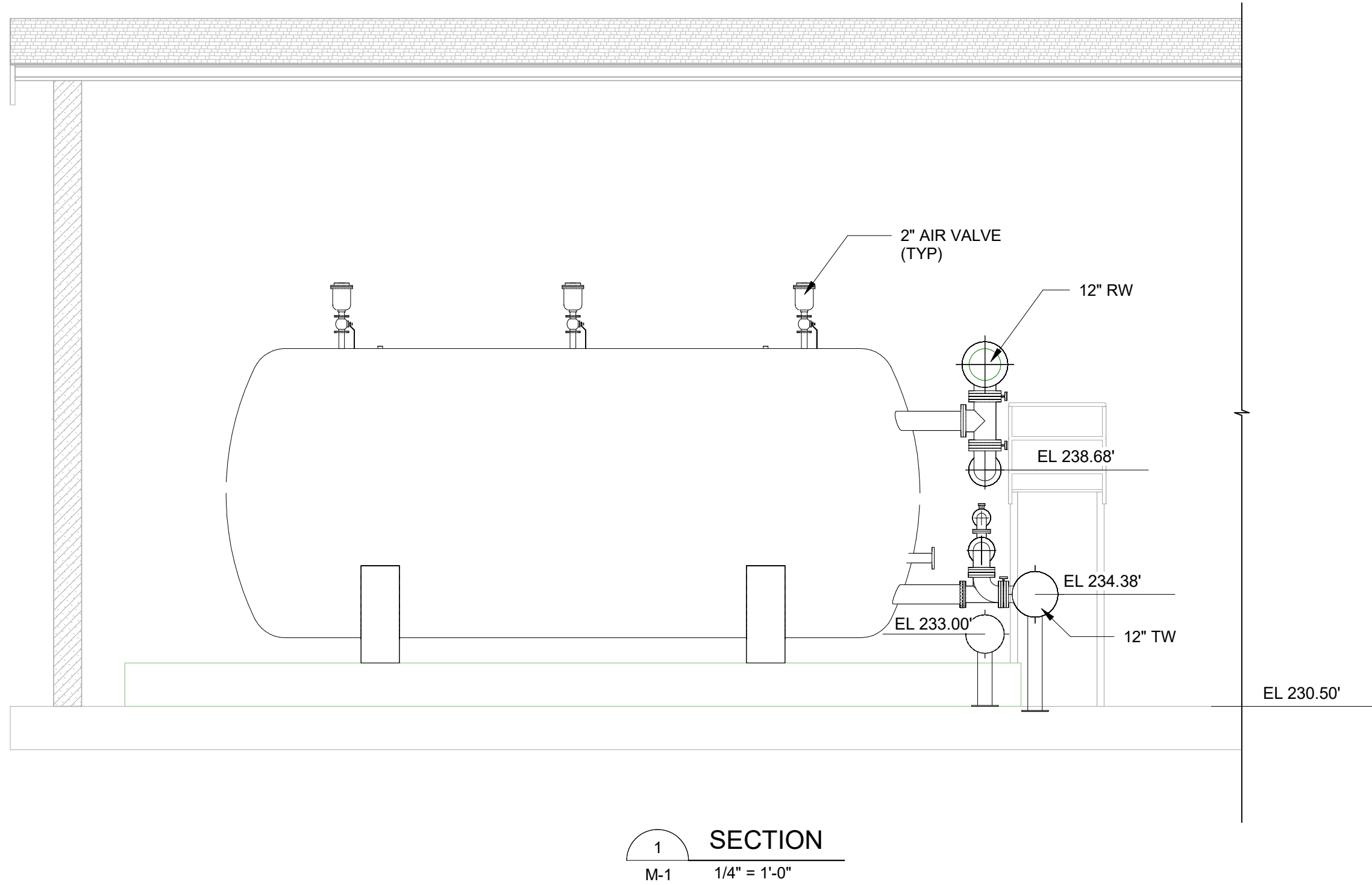
OPERATING FLOOR PLAN

1/4" = 1'-0"



(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3

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TREATMENT BUILDING

PROCESS MECHANICAL

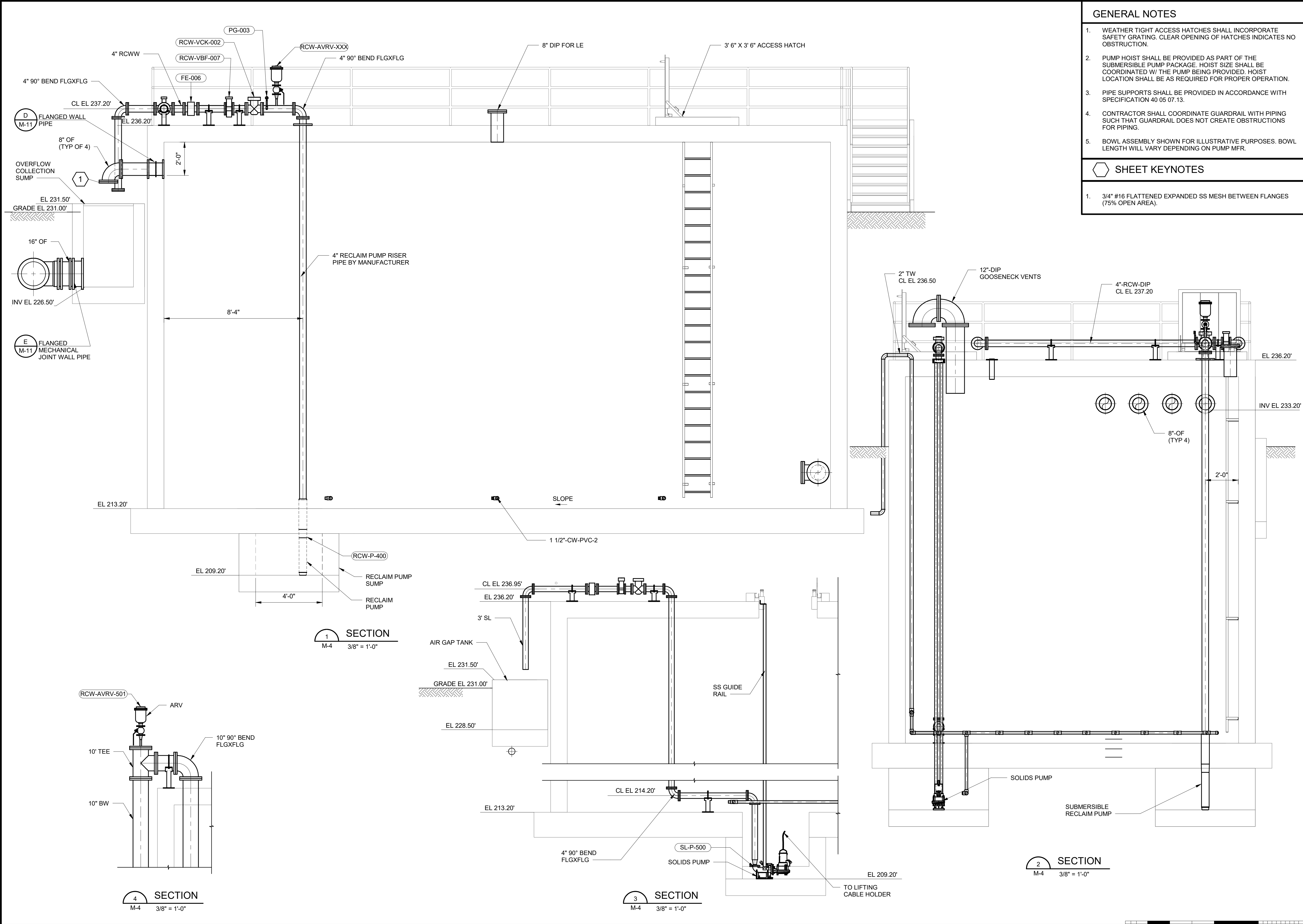
TREATMENT BUILDING
SECTIONS

M-2

OF

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- GENERAL NOTES
1.

WEATHER TIGHT ACCESS HATCHES SHALL INCORPORATE SAFETY GRATING. CLEAR OPENING OF HATCHES INDICATES NO OBSTRUCTION.
2.

PUMP HOIST SHALL BE PROVIDED AS PART OF THE SUBMERSIBLE PUMP PACKAGE. HOIST SIZE SHALL BE COORDINATED W/ THE PUMP BEING PROVIDED. HOIST LOCATION SHALL BE AS REQUIRED FOR PROPER OPERATION.
3.

PIPE SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION 40 05 07.13.
4.

CONTRACTOR SHALL COORDINATE GUARDRAIL WITH PIPING SUCH THAT GUARDRAIL DOES NOT CREATE OBSTRUCTIONS FOR PIPING.
5.

BOWL ASSEMBLY SHOWN FOR ILLUSTRATIVE PURPOSES. BOWL LENGTH WILL VARY DEPENDING ON PUMP MFR.
- SHEET KEYNOTES
1.

3/4" #16 FLATTENED EXPANDED SS MESH BETWEEN FLANGES (75% OPEN AREA).



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BACKWASH BASIN

PROCESS MECHANICAL

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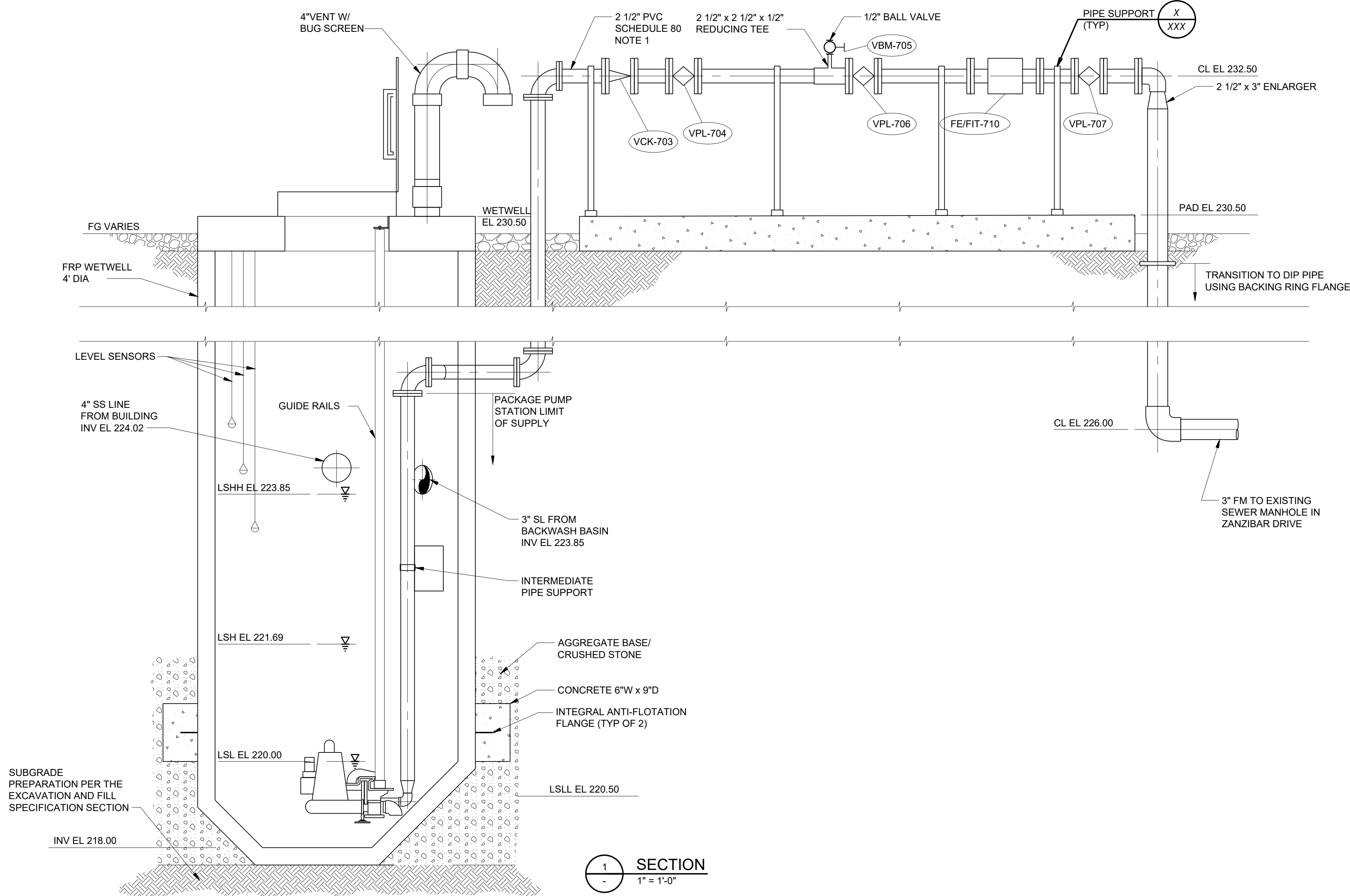
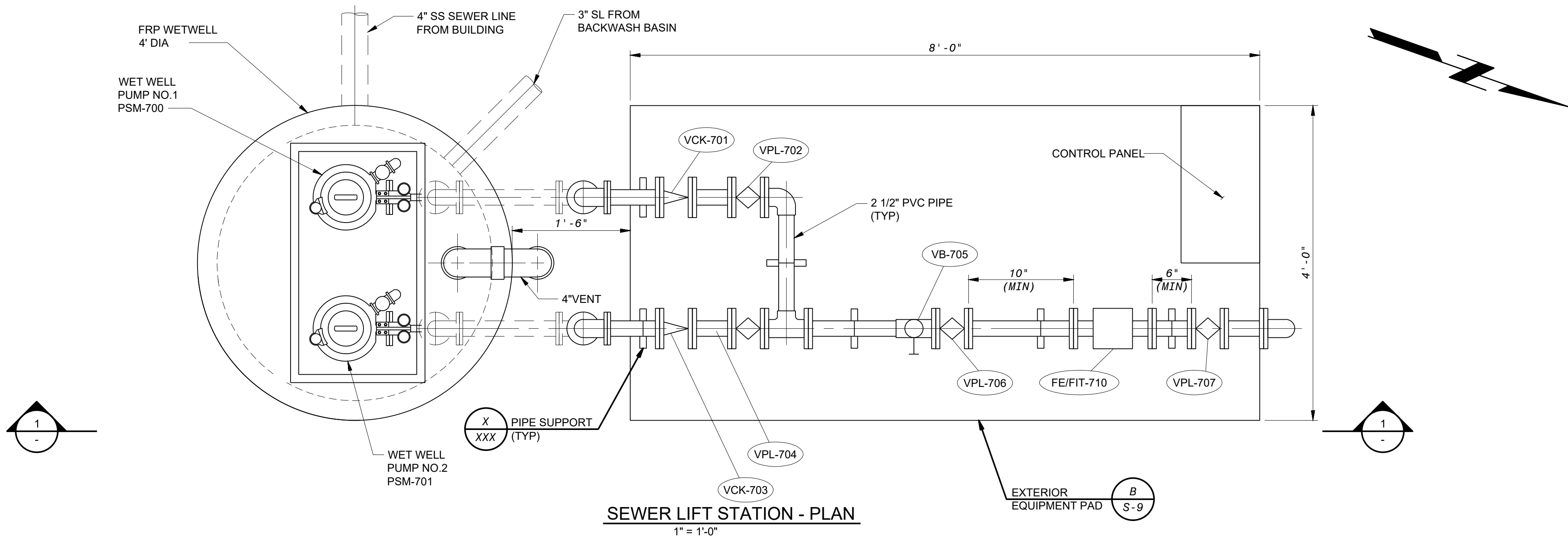
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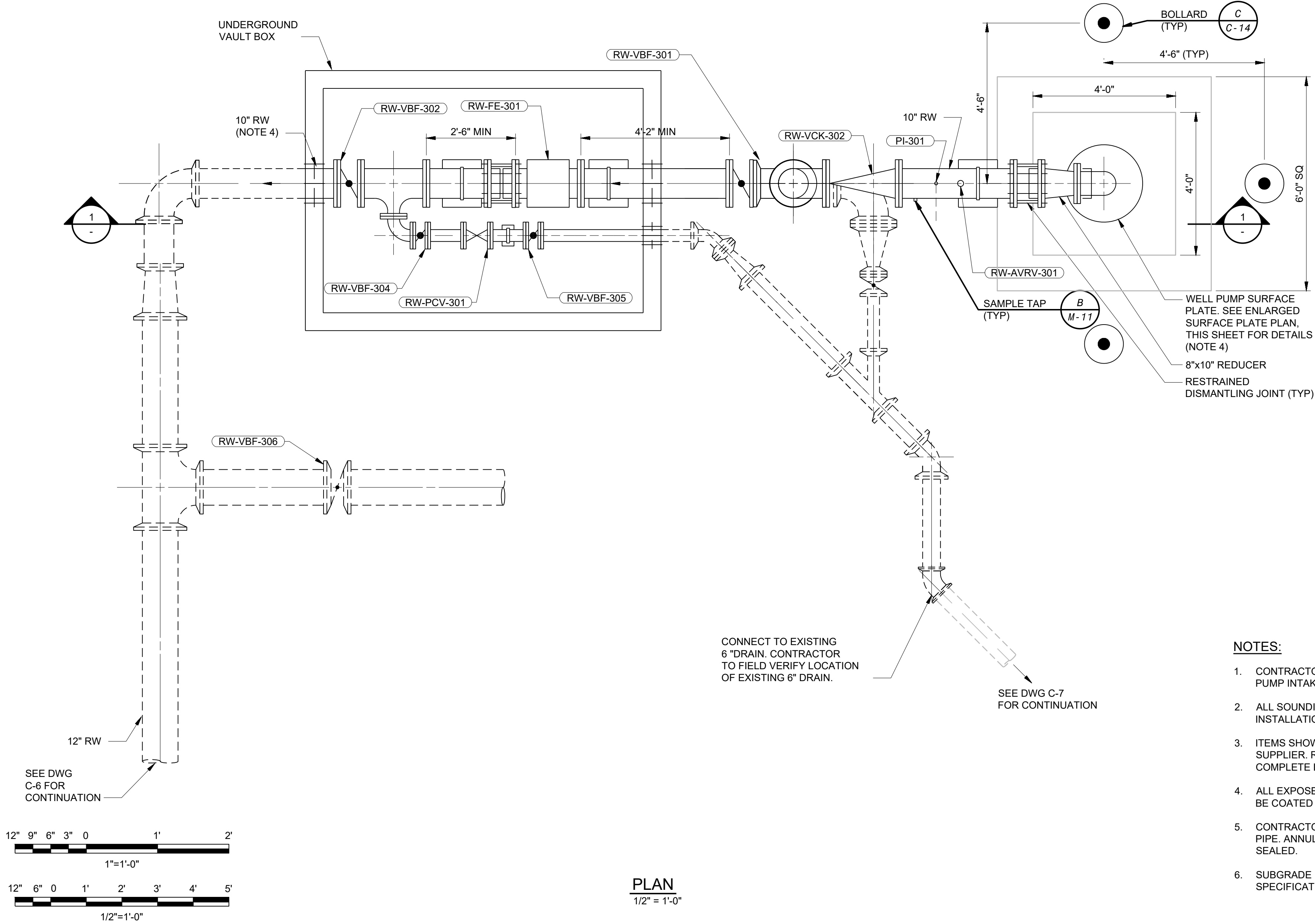
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PROCESS MECHANICAL

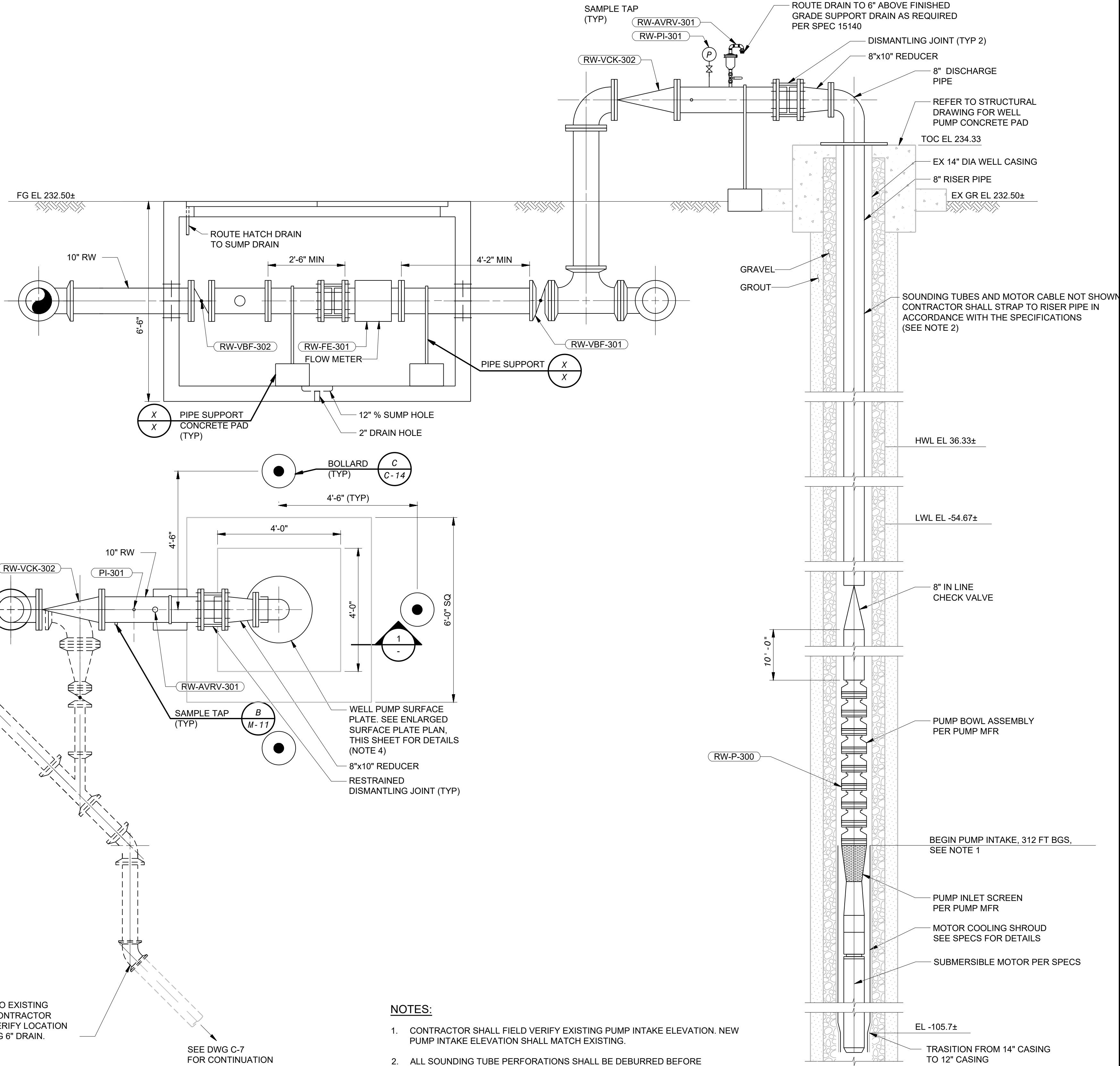
BONITA SITE SEWER LIFT
SATATION PLAN AND
SECTION



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 D11000



PLAN
 1/2" = 1'-0"



SECTION
 1/2" = 1'-0"

NOTES:

- CONTRACTOR SHALL FIELD VERIFY EXISTING PUMP INTAKE ELEVATION. NEW PUMP INTAKE ELEVATION SHALL MATCH EXISTING.
- ALL SOUNDING TUBE PERFORATIONS SHALL BE DEBURRED BEFORE INSTALLATION.
- ITEMS SHOWN WITHIN BOX ARE BEING PROVIDED BY THE CRVI TREATMENT SUPPLIER. REFER TO APPENDIX A IN THE CONTRACT DOCUMENTS FOR A COMPLETE LIST OF ITEMS BEING FURNISHED.
- ALL EXPOSED PER-FILTERS, PIPING, VALVES AND APPURTENANCES SHALL BE COATED WITH DESERT SAND COLOR.
- CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF EXISTING STL PIPE. ANNULAR SPACE BETWEEN SURFACE PLATE AND PIPE SHALL BE SEALED.
- SUBGRADE PREPARATIONS SHALL BE PER THE EXCAVATION AND FILL SPECIFICATION SECTION.



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PROJECT NO.: 419795

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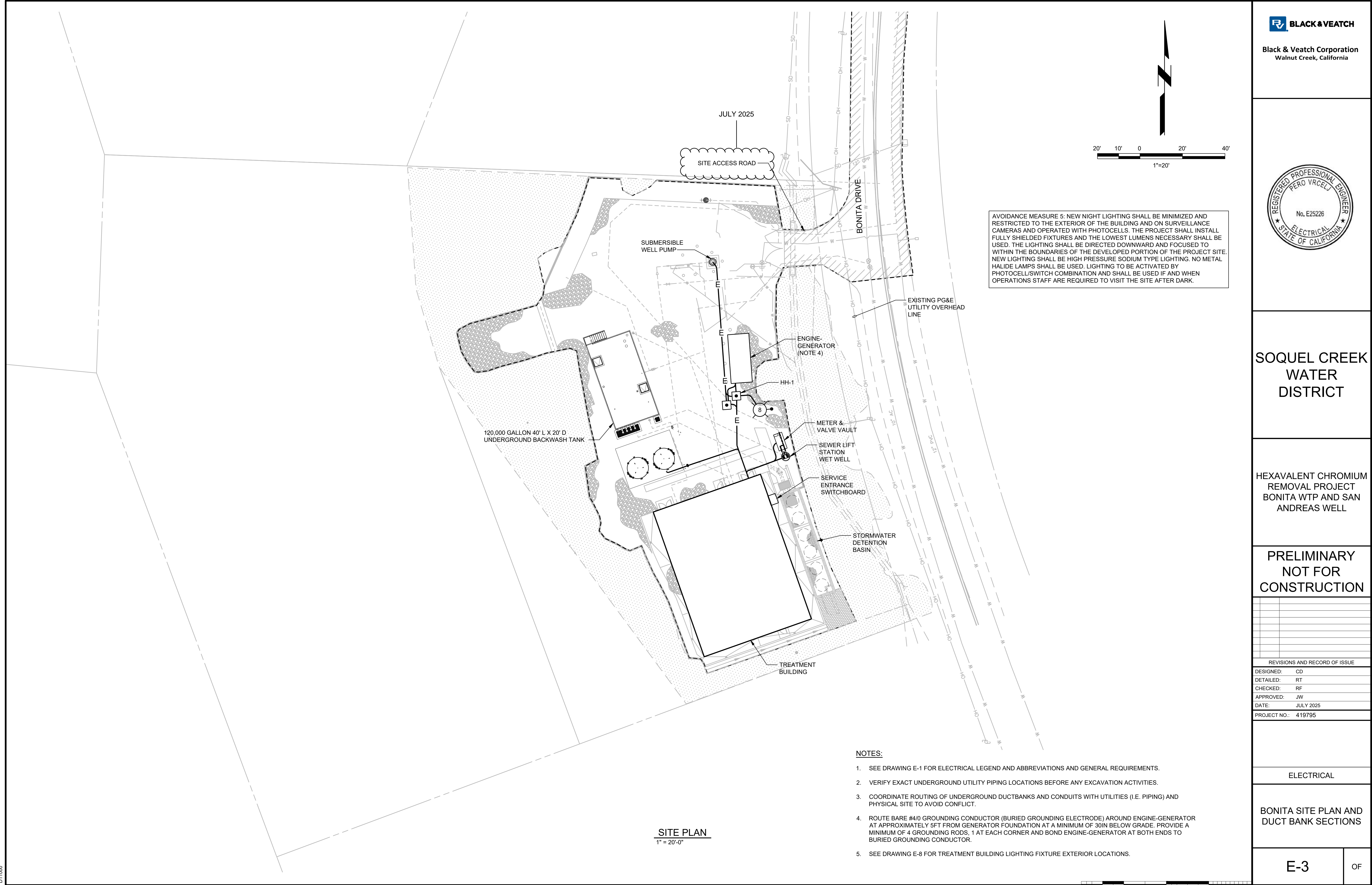
BONITA SITE WELL PUMP
 PLAN AND SECTION

M-8

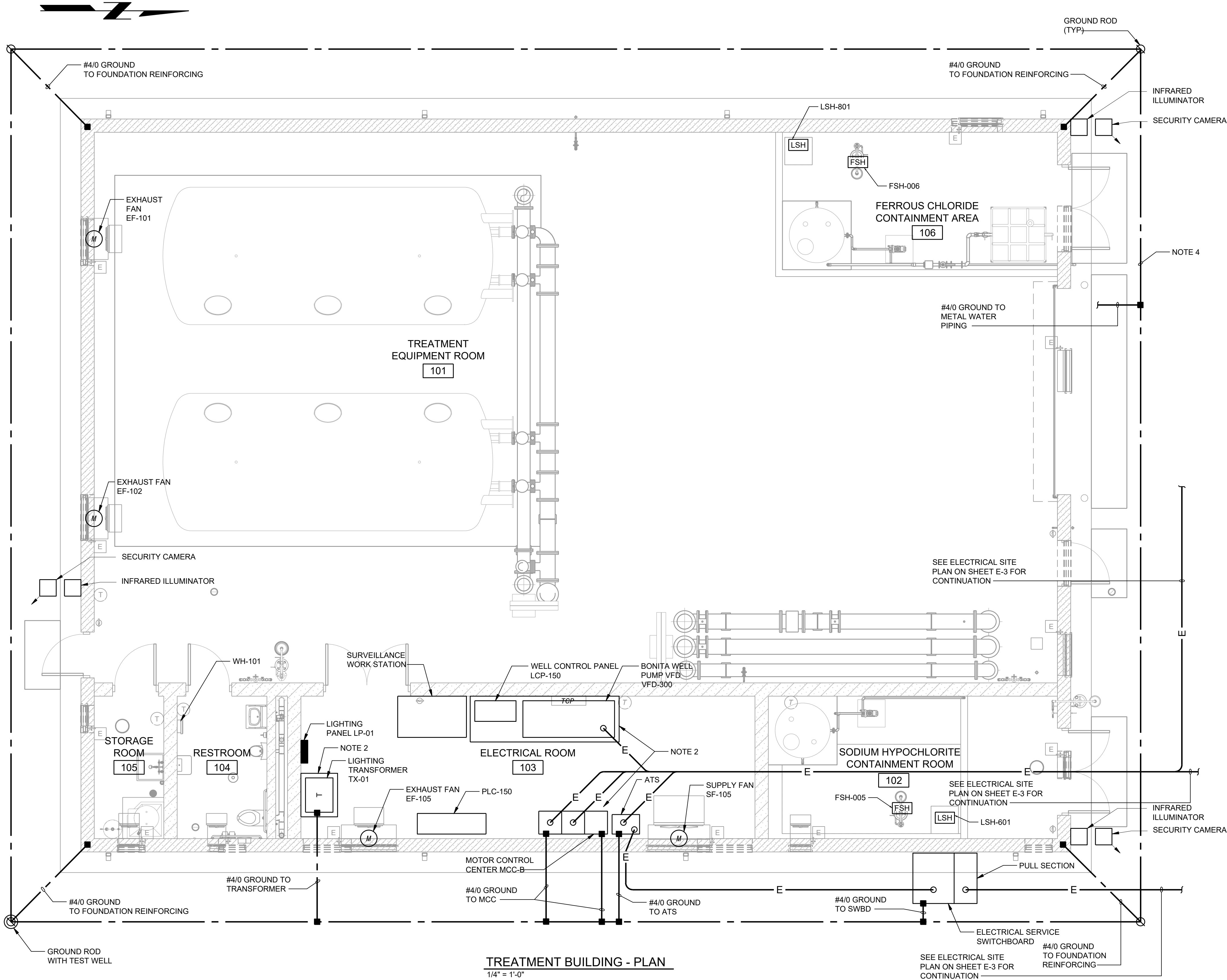
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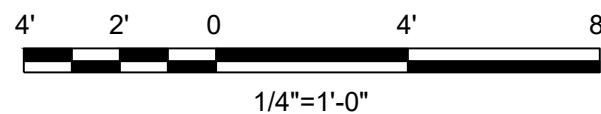


TREATMENT BUILDING - PLAN
1/4" = 1'-0"

AVOIDANCE MEASURE 5: NEW NIGHT LIGHTING SHALL BE MINIMIZED AND RESTRICTED TO THE EXTERIOR OF THE BUILDING AND ON SURVEILLANCE CAMERAS AND OPERATED WITH PHOTOCELLS. THE PROJECT SHALL INSTALL FULLY SHIELDED FIXTURES AND THE LOWEST LUMENS NECESSARY SHALL BE USED. THE LIGHTING SHALL BE DIRECTED DOWNWARD AND FOCUSED TO WITHIN THE BOUNDARIES OF THE DEVELOPED PORTION OF THE PROJECT SITE. NEW LIGHTING SHALL BE HIGH PRESSURE SODIUM TYPE LIGHTING. NO METAL HALIDE LAMPS SHALL BE USED. LIGHTING TO BE ACTIVATED BY PHOTOCELL/SWITCH COMBINATION AND SHALL BE USED IF AND WHEN OPERATIONS STAFF ARE REQUIRED TO VISIT THE SITE AFTER DARK.

NOTES:

- SEE DRAWING E-1 FOR ELECTRICAL LEGEND AND ABBREVIATIONS AND GENERAL REQUIREMENTS.
- VERIFY EXACT UNDERGROUND UTILITY PIPING LOCATIONS BEFORE ANY EXCAVATION ACTIVITIES.
- COORDINATE ROUTING OF UNDERGROUND DUCTBANKS AND CONDUITS WITH UTILITIES (I.E. PIPING) AND PHYSICAL SITE TO AVOID CONFLICT.
- ROUTE BARE #4/0 GROUNDING CONDUCTOR (BURIED GROUNDING ELECTRODE) AROUND GENERATOR AT APPROXIMATELY 5FT FROM GENERATOR FOUNDATION AT A MINIMUM OF 30IN BELOW GRADE. PROVIDE A MINIMUM OF 4 GROUNDING RODS, 1 AT EACH CORNER AND BOND GENERATOR AT BOTH ENDS TO BURIED GROUNDING CONDUCTOR.



(SCALE BAR IS 4" AT FULL SCALE) 0 1/2 1 2 3 4



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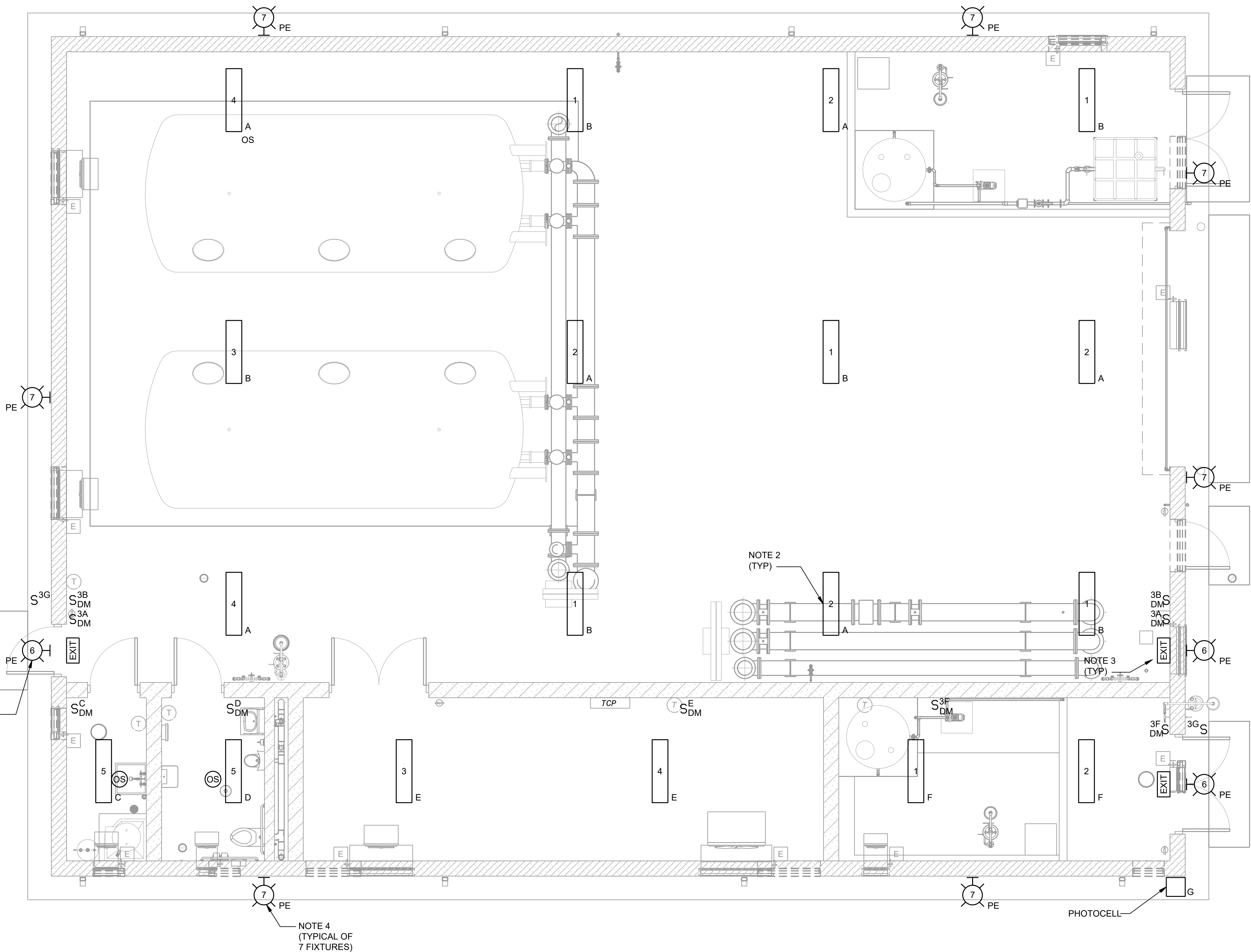
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| PROJECT NO.: | 419795 |

ELECTRICAL

BONITA SITE MAIN
EQUIPMENT BUILDING
POWER,
INSTRUMENTATION AND
GROUNDING PLAN

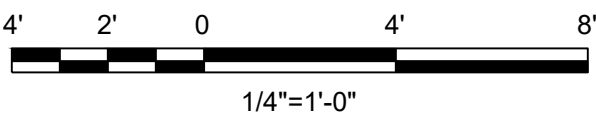
E-8

OF



AVOIDANCE MEASURE 5: NEW NIGHT LIGHTING SHALL BE MINIMIZED AND RESTRICTED TO THE EXTERIOR OF THE BUILDING AND ON SURVEILLANCE CAMERAS AND OPERATED WITH PHOTOCELLS. THE PROJECT SHALL INSTALL FULLY SHIELDED FIXTURES AND THE LOWEST LUMENS NECESSARY SHALL BE USED. THE LIGHTING SHALL BE DIRECTED DOWNWARD AND FOCUSED TO WITHIN THE BOUNDARIES OF THE DEVELOPED PORTION OF THE PROJECT SITE. NEW LIGHTING SHALL BE HIGH PRESSURE SODIUM TYPE LIGHTING. NO METAL HALIDE LAMPS SHALL BE USED. LIGHTING TO BE ACTIVATED BY PHOTOCELL/SWITCH COMBINATION AND SHALL BE USED IF AND WHEN OPERATIONS STAFF ARE REQUIRED TO VISIT THE SITE AFTER DARK.

- NOTES:**
- SEE DRAWING E-1 FOR ELECTRICAL LEGEND AND ABBREVIATIONS AND GENERAL REQUIREMENTS.
 - PENDANT MOUNT BOTTOM OF FIXTURE AT APPROXIMATELY 15'-0" A.F.F.
 - WALL MOUNT FIXTURE AT 1'-0" ABOVE TOP OF DOOR FRAME.
 - MOUNT FIXTURE AT 12'-0" ABOVE FINISHED GRADE.



**SOQUEL CREEK
WATER
DISTRICT**

HEXAVALENT CHROMIUM
REMOVAL PROJECT
BONITA WTP AND SAN
ANDREAS WELL

**PRELIMINARY
NOT FOR
CONSTRUCTION**

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| REVISIONS AND RECORD OF ISSUE | |
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| DESIGNED: | CD |
| DETAILED: | RT |
| CHECKED: | RF |
| APPROVED: | JW |
| DATE: | JULY 2025 |
| PROJECT NO.: | 419795 |

ELECTRICAL

BONITA SITE MAIN
EQUIPMENT BUILDING
LIGHTING PLAN

Black & Veatch Corporation
Walnut Creek, California



SOQUEL CREEK
WATER
DISTRICT

HEXAVALENT CHROMIUM REMOVAL PROJECT BONITA WTP AND SAN ANDREAS WEI

PRELIMINARY
NOT FOR
CONSTRUCTION

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PROJECT NO.: 419795

ELECTRICAL

LIGHTING FIXTURE AND
PANELBOARD
SCHEDULES AND DETAILS

F-13

Q

| LIGHTING FIXTURE SCHEDULE | | | | |
|---------------------------|--|-----------------------|---|---|
| SYMBOL | LAMP | MTG HGT | DESCRIPTION | MANUFACTURER |
| 1 | 100W LED 9000 LUMENS | AS NOTED ON PLANS | 100 WATT PENDANT MOUNTED LED FIXTURE, WIDE DISTRIBUTION, 4000K, 80CRI, 360 MOTION SENSOR, DIMMING AND SWITCHING PHOTOCELL PRE-WIRED, 120V | LITHONIA #BL 9L WD 120 LP840 LAMOSZU |
| 2 | 100W LED 9000 LUMENS | AS NOTED ON PLANS | 100 WATT PENDANT MOUNTED LED FIXTURE, WIDE DISTRIBUTION, 4000K, 80CRI, EMERGENCY BATTERY PACK, 360 MOTION SENSOR, DIMMING AND SWITCHING PHOTOCELL PRE-WIRED, 120V | LITHONIA #BL 9L WD 120 LP840 I2412 LAMOSZU |
| 3 | 125W LED 12000 LUMENS | AS NOTED ON PLANS | 125 WATT PENDANT MOUNTED LED FIXTURE, WIDE DISTRIBUTION, 4000K, 80CRI, 360 MOTION SENSOR, DIMMING AND SWITCHING PHOTOCELL PRE-WIRED, 120V | LITHONIA #BL 12L WD 120 LP840 LAMOSZU |
| 4 | 125W LED 12000 LUMENS | AS NOTED ON PLANS | 125 WATT PENDANT MOUNTED LED FIXTURE, WIDE DISTRIBUTION, 4000K, 80CRI, EMERGENCY BATTERY PACK, 360 MOTION SENSOR, DIMMING AND SWITCHING PHOTOCELL PRE-WIRED, 120V | LITHONIA #BL 12L WD 120 LP840 I2412 LAMOSZU |
| 5 | 42W LED 4853 LUMENS | AS NOTED ON PLANS | 42 WATT PENDANT MOUNTED LED FIXTURE, FROSTED DIFFUSER, 4000K, 80CRI, EMERGENCY BATTERY PACK, 120V | LITHONIA #ZL1N L48 5000LM FST 120 40K 80CRI E7W WH |
| 6 | 46W HPS 2250 LUMENS | AS NOTED ON PLANS | 46 WATT WALL MOUNTED HIGH PRESSURE SODIUM FIXTURE, WIDE THROW DISTRIBUTION, MAGNETIC BALLAST, DARK BRONZE FINISH, EMERGENCY BATTERY BACKUP, 120V | LITHONIA #MRW 35S WT 120 DC12 DDB LPI |
| 7 | 46W HPS 2250 LUMENS | AS NOTED ON PLANS | 46 WATT WALL MOUNTED HIGH PRESSURE SODIUM FIXTURE, WIDE THROW DISTRIBUTION, MAGNETIC BALLAST, DARK BRONZE FINISH, 120V | LITHONIA #MRW 35S WT 120 DDB LPI |
| 8 | 310W HPS 27500 LUMENS | 16'-0" ABOVE GRADE | 310 WATT POLE MOUNTED HIGH PRESSURE SODIUM FIXTURE, FORWARD THROW, SHARP CUTOFF DISTRIBUTION, NEMA TWIST-LOCK PE, SQUARE STEEL POLE, 120V | LITHONIA #AST2 250S SR45C 120 SPA PE1 LPI POLE# SSS 164C DM19AST2 DDB |
| EX | LED EXIT SIGN W/ TWO INCADESCENT KRYPTON LAMPS | AS NOTED ON PLANS | IMPACT RESISTANT THERMOPLASTIC HOUSING, NICKEL-CADMIUM BATTERY, SINGLE FACE PLATE, 120V | LITHONIA #LHOM LED R SD |

| OCCUPANCY SENSOR SCHEDULE | | | |
|---------------------------|----------------------|---|---------------------------|
| SYMBOL | MTG HGT | DESCRIPTION | MANUFACTURER |
| OS | AS NOTED ON PLANS | HIGH BAY, PASSIVE INFRARED, LINE VOLTAGE, CEILING MOUNTED OCCUPANCY SENSOR | WATTSTOPPER #HB350B-L3 |