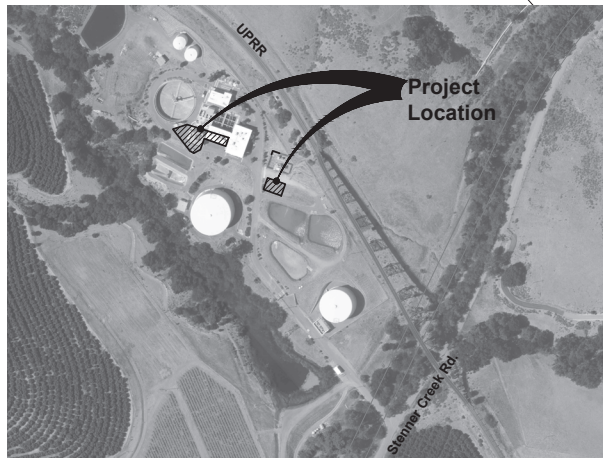
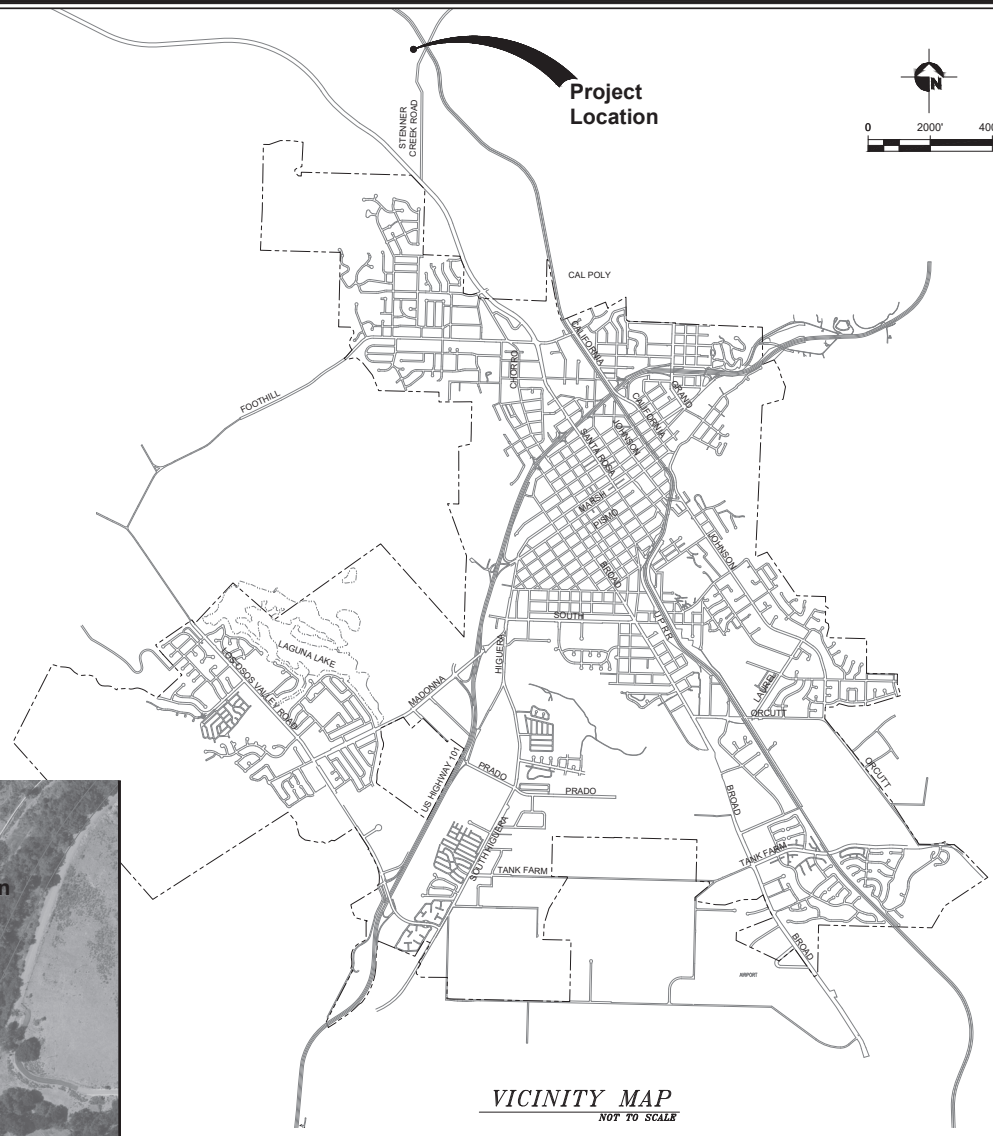


general notes:

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR PERMITTEE TO CONTACT "UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA" BY PHONE AT 8-1-1 FORTY-EIGHT (48) HOURS PRIOR TO START OF CONSTRUCTION FOR LOCATION OF POWER, TELEPHONE, OIL AND NATURAL GAS UNDERGROUND FACILITIES. CONTRACTOR OR PERMITTEE SHALL ALSO CONTACT THE APPROPRIATE AGENCY FOR THE LOCATION OF CABLE T.V., WATER, SEWER, DRAINAGE OR UNDERGROUND FACILITIES.
2. THE CONTRACTOR SHALL POSSESS A CLASS "A" LICENSE AT THE TIME OF BID OPENING AND THROUGHOUT THE PROJECT.
3. DRAWINGS PROVIDED ARE SCHEMATIC. ALL DIMENSIONS MUST BE FIELD VERIFIED BY THE CONTRACTOR.



Index to Plans

Sheet No.	Sheet Description
G-001	TITLE SHEET, LOCATION MAP, VICINITY MAP, AND SHEET INDEX
G-002	LEGEND, ABBREVIATIONS, AND NOTES
C-101	SITE PLAN
C-102	CIVIL DETAILS - I
C-103	CIVIL DETAILS - II
C-104	CIVIL DETAILS - III
C-105	OZONE CONTACT BASIN MODIFICATIONS
S-001	STRUCTURAL NOTES
S-002	LIST OF SPECIAL INSPECTIONS
S-101	EQUIPMENT AWNING FRAMING PLAN AND SECTIONS
S-102	EQUIPMENT SHADE COVER FOUNDATION AND FRAMING PLAN
S-103	EQUIPMENT SHADE COVER SECTION VIEW
S-201	EQUIPMENT AWNING FRAMING PLAN AND SECTIONS

Reference Documents:
 City Standard Specifications - August 2020 Edition
 City Engineering Standards - August 2020 Edition



san luis obispo county, california

**CITY OF SAN LUIS OBISPO
 WATER TREATMENT PLANT
 OZONE CONTAINMENT
 IMPROVEMENT PROJECT**

APPROVED BY
 Brian A. Nelson, City Engineer, R.C.E. C79870 Approved Date



P.O. BOX 1604
 ARROYO GRANDE, CA 93421 (805) 904-6530

APPROVED

Date _____

SPECIFICATION NO.	DATE	SHEET
2001026	JUNE 2024	1 of 13
FILE NO./LOCATION		

DATE: 06/11/2024 09:54:10 AM
 USER: bnelson
 PROJECT: 2001026 - WATER TREATMENT PLANT OZONE CONTAINMENT IMPROVEMENT PROJECT
 SHEET: 1 OF 13



GENERAL NOTES

- 1. VERIFY DIMENSIONS AND CONDITIONS AT THE SITE BEFORE STARTING WORK. ANY CONFLICTS BETWEEN DETAILS OR DIMENSIONS ON THE DRAWINGS SHALL BE REPORTED PROMPTLY TO THE ENGINEER.
2. TAKE PRECAUTIONARY MEASURES TO PROTECT UTILITIES AND STRUCTURES SHOWN AND ALL OTHERS NOT ON RECORD DRAWINGS OR NOT SHOWN ON THESE PLANS. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED TO BETTER OR EQUAL THAN ORIGINAL CONDITION AND/OR THE APPLICABLE REQUIREMENTS OF THE AFFECTED UTILITY AT THE CONTRACTOR'S EXPENSE. APPROVAL OF REPAIRS OR RECONSTRUCTION BY CITY SHALL ALSO BE REQUIRED.
3. COORDINATE UNDERGROUND UTILITY MARKING WITH THE LOCAL UNDERGROUND SERVICE ALERT JURISDICTION (CALL 811) PRIOR TO CONSTRUCTION.
4. VERIFY LOCATIONS AND DEPTHS OF EXISTING UTILITIES BEFORE BEGINNING ANY GRADING OPERATIONS. LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY.
5. IMMEDIATELY NOTIFY THE CITY UPON LEARNING OF THE EXISTENCE AND LOCATIONS OF ANY UNDERGROUND FACILITIES NOT SHOWN OR SHOWN INACCURATELY ON THESE PLANS OR NOT PROPERLY MARKED BY THE UTILITY OWNER.
6. USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER, GAS, OR OTHER UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT. PROTECT FROM DAMAGE INCURRED DURING CONSTRUCTION ALL OVERHEAD UTILITY LINES WHETHER SHOWN OR NOT SHOWN ON THESE PLANS. NOTIFY UTILITY COMPANIES PRIOR TO ANY WORK IN OVERHEAD LOCATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR COST INCURRED.
7. PRESERVE ALL SURVEY MARKERS AND MONUMENTATION PER SPECIFICATION SECTION 5-1.36E. THOSE REQUIRING REMOVAL SHALL BE TIED OUT, A CORNER RECORDED, AND RE-ESTABLISHED IN ACCORDANCE WITH THE LOCAL GOVERNING AUTHORITY AND CITY STANDARDS.
8. ALL SPECIFICATIONS, DRAWINGS, AND DETAILS INCLUDED IN THE CONTRACT DOCUMENTS SHALL FULLY APPLY TO THE WORK WHETHER SPECIFICALLY REFERENCED OR NOT.
9. PROVIDE VIDEO DOCUMENTATION OF THE PRE-CONSTRUCTION CONDITIONS OF THE PROJECT SITE AND SURROUNDING AREA. SUBMIT THE VIDEO TO THE CITY PRIOR TO THE START OF CONSTRUCTION PER SPECIFICATION SECTION 013233.
10. MAINTAIN THE WORK AREA IN A NEAT, CLEAN, AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE CITY. STREETS AND DRIVEWAYS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES.
11. MAINTAIN A COMPLETE AND ACCURATE RECORD OF ALL CHANGES IN CONSTRUCTION FROM THAT SHOWN IN THESE PLANS AND SPECIFICATIONS FOR THE PURPOSE OF PROVIDING A BASIS FOR RECORD DRAWINGS. THE CONTRACTOR SHALL NOTE DEVIATIONS FROM THE PLANS ON A SET OF PLANS SPECIFICALLY SET ASIDE FOR THIS PURPOSE. ANY CHANGES SHALL BE MADE ON THE ORIGINALS OF THE PLANS. NO CHANGES FROM THAT SHOWN ON THESE PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.
12. RESTORE ALL PAVEMENT, CONCRETE, ASPHALT, SIDEWALKS, CURBS, TRUNCATED DOMES, AND DRIVEWAY SURFACES REMOVED OR DAMAGED DURING CONSTRUCTION UNLESS INDICATED OTHERWISE ON THE PLANS. PAVEMENT SHALL BE PER CITY STANDARDS. OTHER SURFACES SHALL BE RESTORED IN-KIND UNLESS INDICATED OTHERWISE.
13. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS REFERENCED IN THE CITY'S SPECIAL PROVISIONS AND AS LIMITED BY LOCAL ORDINANCE.
14. ALL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF SAN LUIS OBISPO STANDARDS AND SPECIFICATIONS, UNLESS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS.
15. PROVIDE CHEMICAL TOILETS AND TRASH RECEPTACLES PER SPECIFICATION SECTION 015210. USE OF CITY FACILITIES IS PROHIBITED.
16. MAINTAIN OWNER ACCESS TO ALL FACILITIES AT ALL TIMES. THE PROJECT SITE IS ADJACENT TO THE PLANT AND LOOP ROAD. OBTAIN APPROVAL FROM THE CITY FOR PLANNED CLOSURES OR ACCESS RESTRICTIONS IN WRITING ONE (1) WEEK IN ADVANCE.

PROJECT NOTES

- 1. FILTER BACKWASH WATER WITH FLOW RATES UP TO 12,000 GPM WILL PASS THROUGH THE 24-INCH PIPING CONNECTED TO MANHOLE 11 WITHOUT WARNING. ENTRY INTO MANHOLE 11 IS PROHIBITED WHEN PLANT IS IN OPERATION. MODIFICATIONS TO MANHOLE 11, INCLUDING MODIFICATIONS TO THE 12-INCH PIPE FROM MH-12, IS PROHIBITED WHEN PLANT IS IN OPERATION. NIGHT WORK IS REQUIRED. REFER TO SPECIFICATION SECTION 011100.
2. CONTINUOUSLY MONITOR AMBIENT OZONE CONCENTRATIONS WHEN WORKERS ARE IN EXCAVATIONS OR MANHOLES PER SPECIFICATION SECTION 011100.
3. PRIOR TO BEGINNING OF CONSTRUCTION, LOCK OUT AND TAG OUT EXISTING 4-INCH PVC BALL VALVE ON THE DISCHARGE FROM EXISTING CHEMICAL TANK.
4. FIELD WELDING IS STRICTLY PROHIBITED WITHIN VICINITY OF THE LIQUID OZONE STORAGE TANK.

EROSION CONTROL NOTES

- 1. COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD AND CITY STANDARD SPECIFICATIONS.
2. PROJECT DRIVEWAYS AND CONSTRUCTION ENTRANCES SHALL BE PROTECTED AGAINST EROSION AND TRACKING OF MUD AND DEBRIS AT ALL TIMES, INCLUDING EVENINGS, WEEKENDS AND HOLIDAYS. SUCH PROTECTION MAY BE MODIFIED TO PROVIDE ACCESS TO THE WORK SITE DURING WORK HOURS.
3. ALL STOCKPILES SHALL BE PROTECTED AGAINST WIND AND WATER EROSION. IMMEDIATELY UPON PLACEMENT AND REMOVED FROM STREET AT THE END OF EACH DAY. SUCH PROTECTION SHALL REMAIN IN PLACE UNTIL USE OR REMOVAL OF THE STOCKPILE, REGARDLESS OF THE TIME OF YEAR.
4. ALL FRESH CUT AND FILL SLOPES SHALL BE IMMEDIATELY PROTECTED BY INSTALLATION OF EROSION CONTROL DEVICES, AND UNTIL PERMANENT EROSION CONTROL IS ESTABLISHED.
5. PERMANENT EROSION CONTROL MEASURES SHALL BE FULLY ESTABLISHED TO THE SATISFACTION OF THE ENGINEER OR CITY. (TO BE COMPLETED NO LESS THAN 30 DAYS PRIOR TO REQUEST FOR FINAL APPROVAL.)
6. WASTE MATERIALS SHALL NOT BE WASHED OFFSITE. THIS INCLUDES BUT IS NOT LIMITED TO SOIL, PAINT, GROUT, COLOR COAT, CONCRETE DUST, SAW RESIDUES, GRINDINGS, AND OIL.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE PLACEMENT OF EROSION CONTROL DEVICES IN ACCORDANCE WITH THE CITY'S STANDARDS AND SWRCB REQUIREMENTS.

SURVEY NOTES

DATUM: MANHOLE INVERT ELEVATIONS ON THESE PLANS ARE BASED ON "PLANS FOR THE CONSTRUCTION OF WATER SYSTEM IMPROVEMENTS" BY PAUL J. ADAMSON CONSULTING, 1963.

ABBREVIATIONS

Table with 3 columns: Abbreviation, Description, and another Abbreviation/Description. Includes items like AC ASPHALTIC CONCRETE, ARV AIR RELEASE VALVE, AVV AIR VACUUM VALVE, etc.

LEGEND

Table showing line styles and symbols for various utilities: COMMUNICATION LINE, SANITARY SEWER WITH SIZE, WATER WITH SIZE, SLUDGE LINE WITH SIZE, etc.

CITY OF SAN LUIS OBISPO
WTP OZONE CONTAINMENT IMPROVEMENT PROJECT
LEGEND, ABBREVIATIONS, AND NOTES

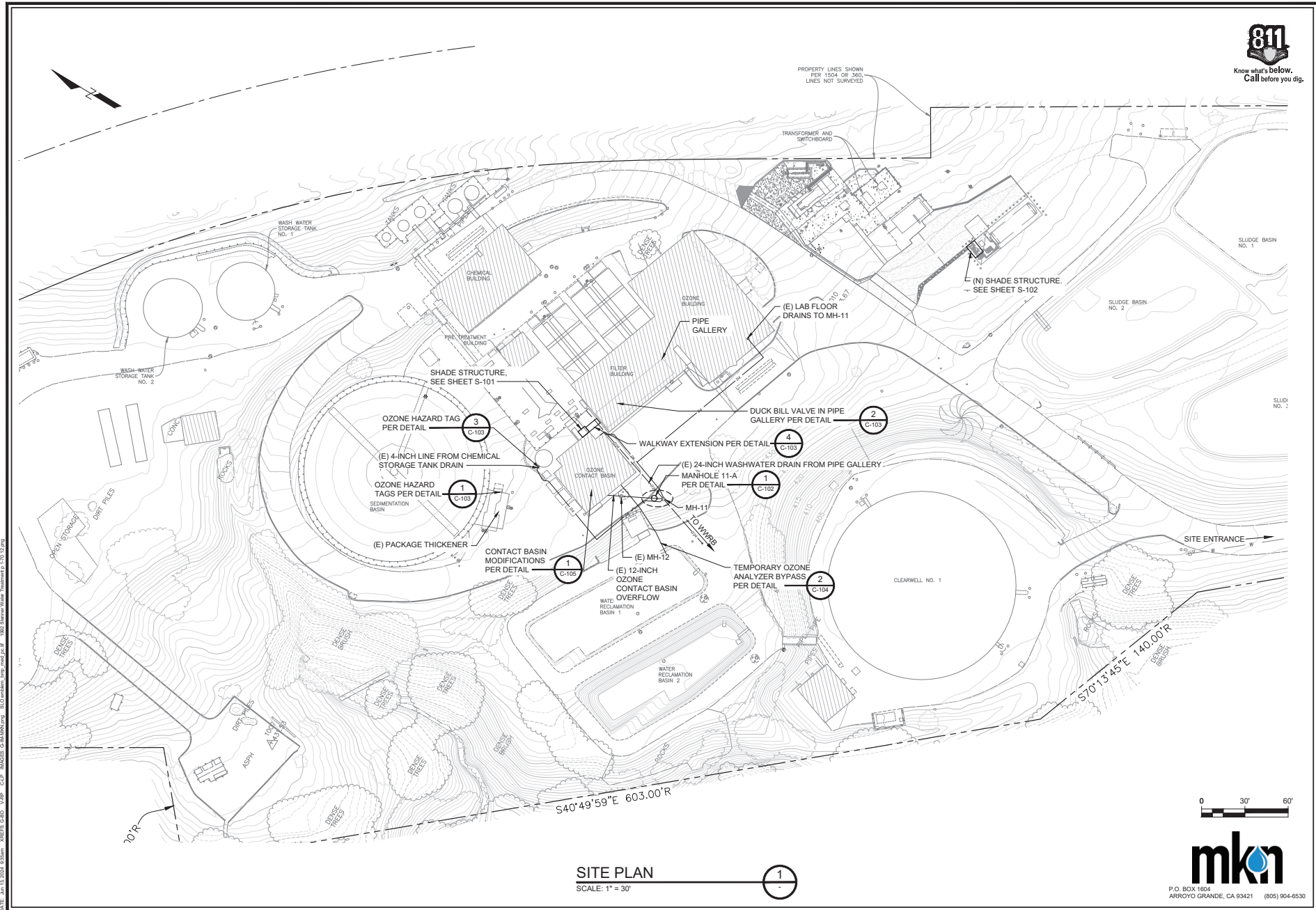


DESIGNED BY: JEH
DRAWN BY: JPF
CHECKED BY:
APPROVED BY:
SCALE: AS NOTED ON PLANS
DATE: JUNE 2024
CITY SPECIFICATION NO: 2001026
PLAN FILE NO / LOCATION:
SHEET NO: G-002
2 of 13



P.O. BOX 1604
ARROYO GRANDE, CA 93421 (805) 904-6530

DATE: 06/11/2024 9:58 AM BY: JPF (1000000000) PROJECT: 2001026 WTP OZONE CONTAINMENT IMPROVEMENTS PLAN: G-002 SHEET: G-002



PROJECT TITLE
**CITY OF SAN LUIS OBISPO
 WTP OZONE CONTAINMENT IMPROVEMENT PROJECT**
 SHEET TITLE
SITE PLAN



DESIGNED BY:	JC
DRAWN BY:	JPF
CHECKED BY:	---
APPROVED BY:	---
SCALE:	AS NOTED ON PLANS
DATE:	JUNE 2024
CITY SPECIFICATION NO.:	2001026
PLAN FILE NO./LOCATION:	
SHEET NO.:	C-101
	3 of 13

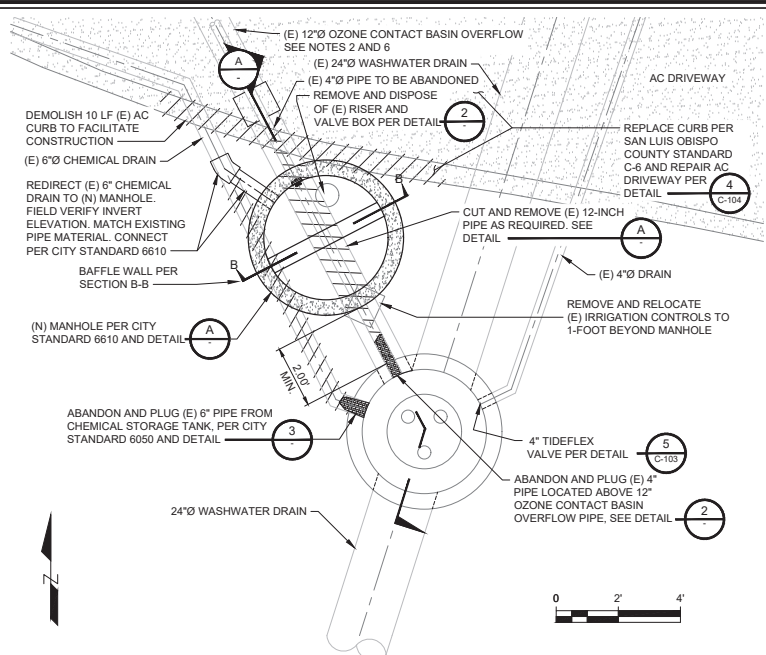
SITE PLAN
 SCALE: 1" = 30'
1



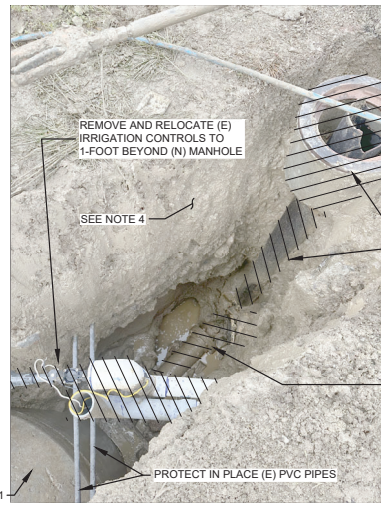
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DESIGNED BY:	JC
DRAWN BY:	JPF
CHECKED BY:	---
APPROVED BY:	---
SCALE:	AS NOTED ON PLANS
DATE:	JUNE 2024
CITY SPECIFICATION NO.:	2001026
PLAN FILE NO. / LOCATION:	
SHEET NO.:	C-102
	4 of 13



SITE PLAN
SCALE: 1" = 2"



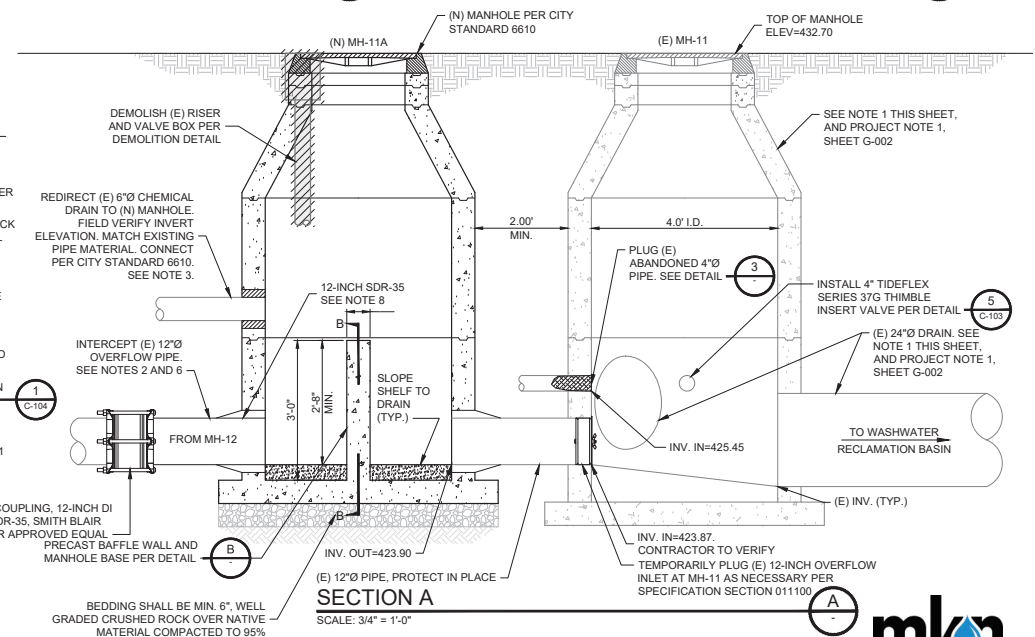
DEMOLITION DETAIL
NOT TO SCALE



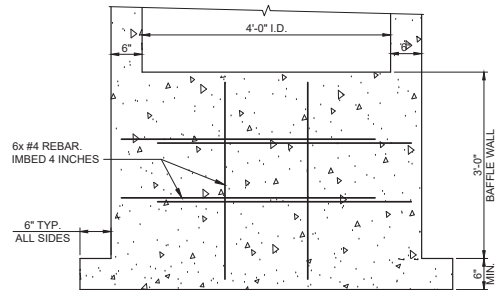
MH-11 DEMOLITION DETAIL
NOT TO SCALE

NOTES:

- NIGHT WORK IS REQUIRED. CONTRACTOR TO SUBMIT A DETAILED SEQUENCING PLAN PER SPECIFICATION SECTION 011100.
- CONTINUOUSLY MONITOR AMBIENT OZONE PER SPECIFICATION SECTION 011100.
- PRIOR TO BEGINNING OF CONSTRUCTION, LOCK OUT AND TAG OUT EXISTING 4-INCH PVC BALL VALVE ON THE DISCHARGE FROM EXISTING CHEMICAL TANK.
- THE AREA ADJACENT TO THE EXISTING MANHOLE 11 WAS HYDROEXCAVATED TO THE SPRINGLINE OF THE 12-INCH LINE OZONE CONTACT BASIN OVERFLOW PIPE AND WAS BACKFILLED WITH SAND IN MARCH 2023.
- CONTRACTOR TO CONFIRM INVERT INLET AND OUTLET ELEVATION FOR MANHOLE 11.
- SUBMIT OVERFLOW PIPE CONTINGENCY PLAN PER DETAIL.
- BACKFILL WITH SLURRY PER CITY STANDARD 77-1.02B.
- MORTAR USED AT MANHOLE BASE SHALL BE 1 PART CEMENT TO 4 PARTS SAND.



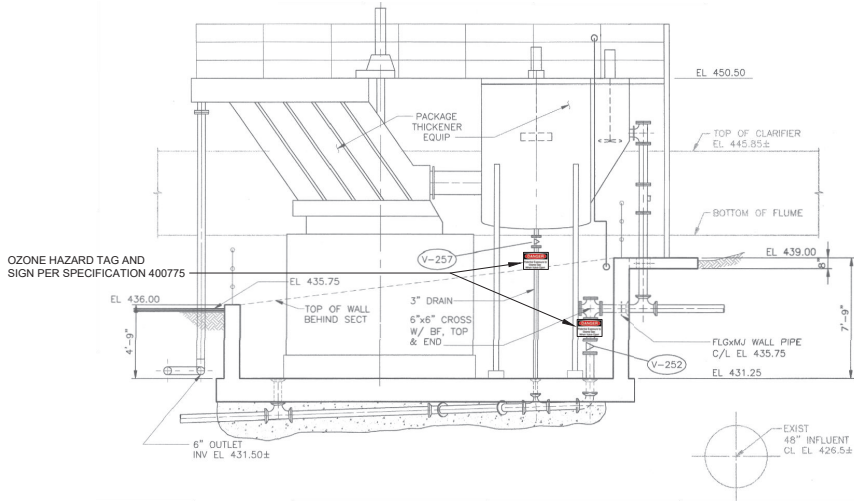
SECTION A
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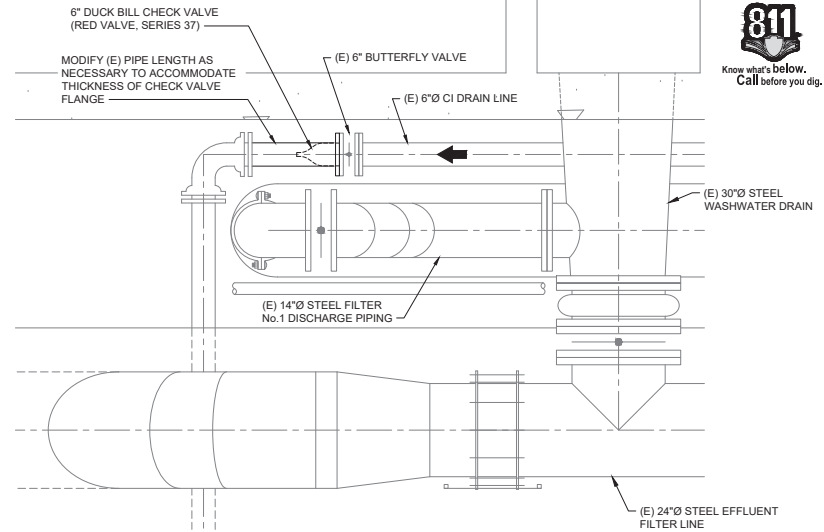
PRECAST BAFFLE WALL
SCALE: 1" = 1'-0"

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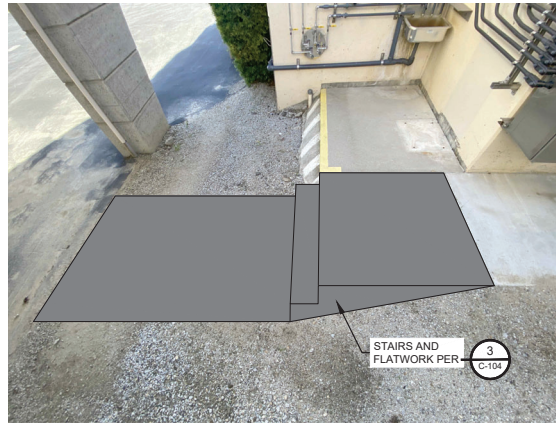
PACKAGE THICKENER HAZARD TAG DETAIL
SCALE: 1/4" = 1'-0"



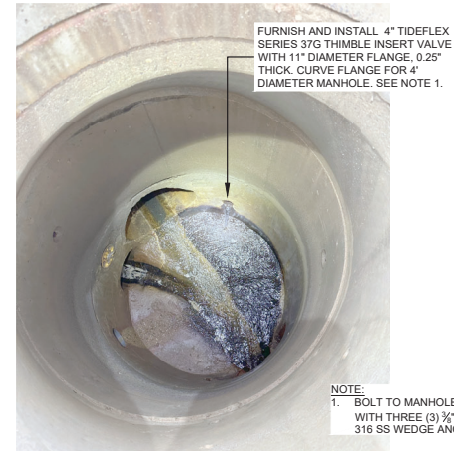
6\"/>SCALE: 3/4" = 1'-0"



CHEMICAL STORAGE TANK HAZARD TAG DETAIL
NOT TO SCALE



SIDEWALK EXTENSION DETAIL
NOT TO SCALE



4\"/>NOT TO SCALE



NOTE:
1. BOLT TO MANHOLE WALL WITH THREE (3) 3/4" x 1" 316 SS WEDGE ANCHORS.

SCALE: AS NOTED ON PLANS

DATE: JUNE 2024

CITY SPECIFICATION NO. 2001026

PLAN FILE NO. / LOCATION

SHEET NO. **C-103**

5 of 13



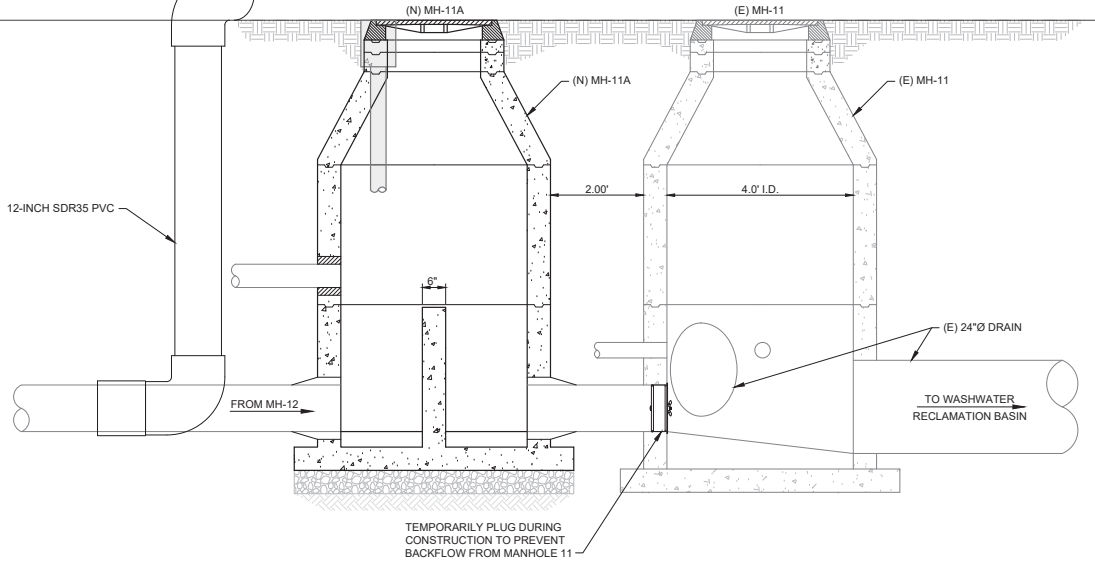
CITY OF SAN LUIS OBISPO
WTP OZONE CONTAINMENT IMPROVEMENT PROJECT
CIVIL DETAILS - II



DESIGNED BY: JC
DRAWN BY: JPF
CHECKED BY: ---
APPROVED BY: ---

DATE: 10/11/2024 10:57:57 AM DWG: 2001026-02-C-03-01.mxd USER: JPF PROJECT: WTP OZONE CONTAINMENT IMPROVEMENT PROJECT SHEET: CIVIL DETAILS - II
 DATE: 10/11/2024 10:57:57 AM DWG: 2001026-02-C-03-01.mxd USER: JPF PROJECT: WTP OZONE CONTAINMENT IMPROVEMENT PROJECT SHEET: CIVIL DETAILS - II
 DATE: 10/11/2024 10:57:57 AM DWG: 2001026-02-C-03-01.mxd USER: JPF PROJECT: WTP OZONE CONTAINMENT IMPROVEMENT PROJECT SHEET: CIVIL DETAILS - II

PRIOR TO INTERCEPTING 12-INCH PIPE, SUBMIT CONTINGENCY PLAN TO ACCOMMODATE OVERFLOW OF OZONE CONTACT BASIN FOR CITY APPROVAL PER SPECIFICATION SECTION 011100



TEMPORARY CONTACTOR OVERFLOW PIPE CONTINGENCY PLAN

SCALE: 3/4" = 1'-0"

1



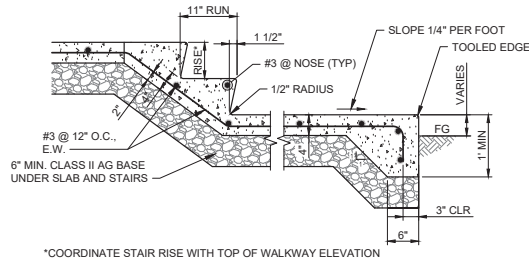
12" OZONE CONTACT BASIN OVERFLOW

DIVERT FLOW FROM OZONE ANALYZERS TO WASHWATER RECLAMATION BASIN FOR DURATION OF CONSTRUCTION. FURNISH AND INSTALL 2-INCH LAYFLAT HOSE ACROSS DRIVEWAY TO DIVERT FLOW TO WASHWATER RECLAMATION BASIN PER SHEET C-101. TEMPORARILY CONNECT HOSE TO 2" PVC PIPE. RECONNECT PIPE TO CORPSTOP AT PROJECT COMPLETION.

TEMPORARY OZONE ANALYZER BYPASS

SCALE: NTS

2

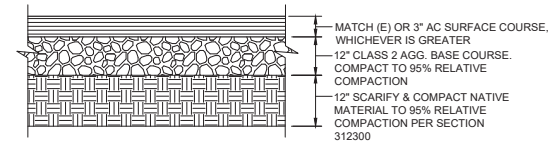


*COORDINATE STAIR RISE WITH TOP OF WALKWAY ELEVATION

CONCRETE STEP AND FLATWORK

SCALE: NTS

3



NOTE:

ASPHALT PAVING SHALL BE PER CITY STANDARD SPECIFICATION 90. (T.I. = 4.5)

ASPHALT PAVEMENT SECTION

SCALE: NTS

4



CITY OF SAN LUIS OBISPO
WTP OZONE CONTAINMENT IMPROVEMENT PROJECT

CIVIL DETAILS - III

PROJECT TITLE

SHEET TITLE



DESIGNED BY:	JC
DRAWN BY:	CA
CHECKED BY:	---
APPROVED BY:	---
SCALE:	AS NOTED ON PLANS
DATE:	JUNE 2024
CITY SPECIFICATION NO.:	2001026
PLAN FILE NO. / LOCATION:	

SHEET NO. **C-104**
6 of 13



P.O. BOX 1604
ARROYO GRANDE, CA 93421 (805) 904-6530

DATE: 10/15/2024 10:59 AM (MOTION) 15:00:00 USER: J. JOHNSON PROJECT: 2001026 - WTP OZONE CONTAINMENT IMPROVEMENT PROJECT SHEET: CIVIL DETAILS - III



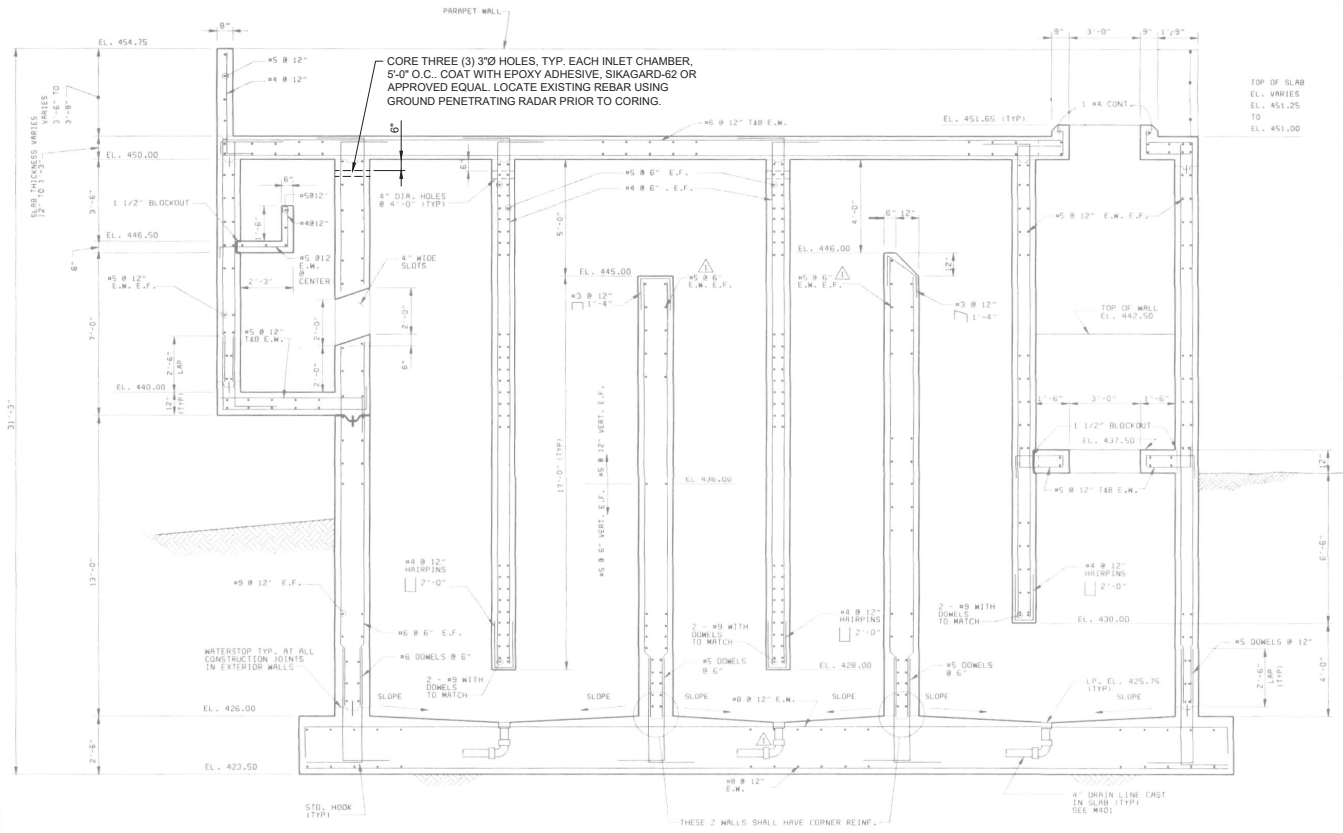
PROJECT TITLE
**CITY OF SAN LUIS OBISPO
 WTP OZONE CONTAINMENT IMPROVEMENT PROJECT**

SHEET TITLE
OZONE CONTACT BASIN MODIFICATIONS



DESIGNED BY: JEH
 DRAWN BY: JPF
 CHECKED BY: ---
 APPROVED BY: ---

SCALE: AS NOTED ON PLANS
 DATE: JUNE 2024
 CITY SPECIFICATION NO.: 2001026
 PLAN FILE NO./LOCATION: ---
 SHEET NO: **C-105**
7 of 13



OZONE CONTACT BASIN MODIFICATIONS
 SCALE: 3/8" = 1'-0"



DATE: 06/11/2024 10:57:47 AM USER: JPF PROJECT: C:\projects\2024\wtp\plans\c-105.dwg
 DWG: C:\projects\2024\wtp\plans\c-105.dwg
 USER: JPF
 FILE: C:\projects\2024\wtp\plans\c-105.dwg



STRUCTURAL NOTES

GENERAL NOTES

- The following notes, typical details and schedules shall apply to all phases of this project unless otherwise shown or noted.
- Specific notes and details shall take precedence over general notes and typical details.
- All materials and workmanship shall conform to the minimum standards of the 2022 edition of the California Building Code (CBC) and such other regulating agencies exercising authority over any portion of the work. The Contractor shall have a current copy of the CBC (print or digital version) on the job site.
- The Construction Documents shall consist of these notes, details, schedules, plans, drawings, and Specifications.
- All specifications, including but not limited to materials and products, shall be those put forth in the Construction Documents. No substitutions shall be permitted to be used or assumed to be used in the bidding or construction process without written approval by the Engineer of Record.
- The Contractor shall examine the Construction Documents and shall notify the Engineer of Record of any discrepancies they may find before proceeding with the work.
- All information on existing conditions shown on drawings are based on best present knowledge available, but without guarantee of accuracy. The Contractor shall verify and be responsible for all dimensions and conditions at the site and shall notify the Engineer of Record of any discrepancies between actual site conditions and information shown on or in the Construction Documents before proceeding with work.
- The Contractor shall immediately notify the Engineer of Record of any condition which in their opinion might endanger the stability of the structure or cause distress of the structure.
- The Contractor shall provide temporary bracing and shoring for all structural members as required for structural stability of the structure during all phases of construction.
- All work shall conform to the best practice prevailing in the various trades comprising work. The Contractor shall be responsible for coordinating the work of all trades.
- These Construction Documents represent the finished structure, and do not indicate the method of construction. The Contractor shall supervise and direct the work and shall be solely responsible for construction means, methods, techniques, sequences and procedures.
- The Contractor shall take all steps necessary to ensure proper alignment of the structure after the installation of all structural and finish materials. This shall include any necessary preloading of the structure to determine final position of the completed work.
- These notes, details, drawings and Specifications (Construction Documents) do not carry necessary provisions for construction safety. These documents and all phases of construction are to be governed, at all times, by applicable provisions of the current California Occupational Safety and Health Act.
- Where any conflict occurs between the requirements of federal, state and local laws, codes, ordinances, rules and regulations, the most stringent shall govern.
- Inspection and approval for shops used for fabrication of structural load bearing members, components, materials or assemblies shall conform to CBC Section 1704.2.5.
 - Labeling (as required or specified) shall be provided in accordance with CBC Section 1703.5.
 - Evaluation and follow-up inspection services (as required or specified), shall conform to CBC Section 1703.6.
- The Contractor shall refer to the Specifications for information not covered by these drawings and General Notes.
- Observation visits to the project site by field representatives of the Engineer of Record (support services) shall not include inspections of safety or protective measures, nor construction procedures, techniques or methods. Any support services performed by Engineer of Record during any phase of construction, shall be distinguished from continuous and detailed inspection services (as required by any regulating governmental agency, e.g. the Authority Having Jurisdiction) provided by others. These support services, whether of material or work, are performed solely for the purpose of assisting in quality control and in achieving conformance with contract documents, but do not guarantee Contractor's performance and shall not be construed as supervision of construction.
- Provide openings and supports as required per typical details and notes for mechanical, plumbing, and electrical equipment, vents, ducts, piping, etc. All mechanical, plumbing and electrical equipment shall be properly braced against lateral forces.
- Refer to drawings by other disciplines to coordinate with Structural Drawings. Any discrepancy between these drawings shall be referred to the Architect or Engineer of Record for clarification prior to the start of construction.
- Written dimensions shall have precedence over scaled dimensions.
- Drawings (notes, schedules, details and plans) shall have precedence over Structural Calculations.
- In the event that certain features of the construction are not fully shown on the drawings or called for in the General Notes or Specifications, their construction shall be of the same character as for similar conditions that are shown or called for.
- The Contractor shall have a copy of the Project Geotechnical Investigation on the job site.
- ASTM designation and all standards refer to the latest amendments.
- These Structural Construction Documents shall not be modified without prior written approval of the Engineer of Record.
- Only structural working drawings approved by the Authority Having Jurisdiction are permitted to be used for construction on this project. All other drawings or documents are obsolete and are not permitted on the job site, nor shall they be used for any construction purposes. Contractors using unapproved drawings or documents are solely responsible for all work not performed in accordance with the "approved" drawings.

SHOP DRAWINGS AND CONTRACTOR SUBMITTAL REVIEW

- Shop Drawings or Contractor Submittals should be provided for the fabrication (or proportioning) of the following (but not limited to) components or elements.
 - Structural Steel
 - Structural Aluminum
 - C. Substitute or alternate materials.
- The Contractor shall be responsible for the production of Shop Drawings or Contractor Submittals, the distribution of documents to the Engineer of Record or Submitter, incorporation of any noted revisions made by the Engineer of Record into the documents, and final approval.
- Shop drawings shall not be a reproduction of structural drawing sheets.
- When the Contractor submits shop drawings or other submittals to the Engineer of Record for review, submittal package shall contain sufficient copies that the Engineer of Record may retain a complete copy of submittal package.
- The Contractor shall allow sufficient time for the Engineer of Record to thoroughly review submittal packages (30 working days, minimum).
- Review of Shop Drawings or Contractor Submittal by Engineer of Record does not in any way constitute approval of submittal package. Engineer of Record's review is for general conformance with the design concept and contract documents. Review shall not be construed as relieving the Contractor from compliance with the contract documents.

STRUCTURAL STEEL AND WELDING

- All structural steel construction shall conform to AISC 360-16 and AISC 341-16.
 - All structural steel shall be fabricated in an approved fabrication shop. Inspection and approval of fabrication shops shall conform to CBC Section 1704.2.5.
- Special inspection shall be provided for all structural steel and welding, in accordance with CBC Chapter 37.
 - All structural steel shall be fabricated, erected and welded in accordance with AISC Specifications for Structural Steel Buildings (AISC 360-16) and Code of Standard Practice for Steel Buildings and Bridges (AISC 303-16).
- No field welding permitted, unless specifically noted otherwise.
- No holes other than those specifically detailed shall be allowed through structural steel members. Burning of holes is not permitted.
- All welding shall conform to AWS D1.1 and D1.8 specifications for welding. (E-70XX Electrodes).
- All steel shall be hot dipped galvanized.

ALUMINUM FRAMING

- All beams and/or posts and accessories shall be of the type, size, gauge and spacing shown on the drawings and shall be manufactured by coast aluminum or approved equal.
- All aluminum construction shall conform to the following:

Aluminum Shape	ASTM Specification
All Shapes	6061-T6
All Thicknesses	5356, 5556
All Joints	4043
- All framing components shall be cut squarely for attachment to perpendicular members, or as required for an angular fit against abutting members.
- All components shall be securely fastened together.
 - Fastening shall be with 316 stainless steel bolts and welds.
 - Bolt and weld size, type, location and spacing shall be as detailed on these Construction Drawings.
- Welding shall comply with current AWS practices.
- Components shall be held firmly in position until properly fastened.

STRUCTURAL DESIGN VALUES

Values reported are unfactored and strength level, unless noted otherwise	
Earthquake Design Data	Value
Seis. Category	II
Importance Factor, I _e	1.25
Mapped Spectral Response Accelerations	S _v = 1.069 g S _d = 0.394 g
Site Class	D - Default
Spectral Response Coefficients	S _w = 0.856 e S _w = 0.497 e
Seismic Design Category	D
Geotechnical Design Data	Value
Geotechnical Basis:	
2019 California Building Code, Chapter 18	
Allowable Soil Bearing Pressure (D _u + 1k)	4,500 psf
Design Passive Pressure, P _p	390 psf
Design Coefficient of Friction, f	N/A

ABBREVIATIONS

A.B.	Anchor Bolt	BCC	International Building Code
ABV.	Above	ICC	International Code Council
ACI	American Concrete Institute	ICF	Insulated Concrete Form
ADD'L	Additional	ID	Inside Diameter
ADJ.	Adjacent	INCH	Inch, Inches
AHU	Authority Having Jurisdiction	INT.	Interior
AISC	American Institute of Steel Construction	INT.	Joint
AITC	American Institute of Timber Construction	KSI	Kips per Square Inch
ADR	Architect of Record	L	Line Load
APA	American Plywood Association	LB	Lbs
APPROX.	Approximate(s)	LM	Lightweight
ASCE	American Society of Civil Engineers	LVL	Laminated Strand Lumber
ARCH	Architect, Architecture	LVL	Laminated Veneer Lumber
ASTM	American Society of Testing and Materials	MAX.	Maximum
AT&M	Architect, Architecture and Materials	MB	Machine Bolt
AWS	American Welding Society	MM	Mil
BLOG.	Building	MMF	Mil Building Manufacturer
BLK.	Block	MECH.	Mechanical
BLD.	Blocked	MSE	Mechanically Stabilized Earth
BLK'G	Blocking	MFR.	Manufacturer, Manufacturer
BLM	Beam	MIN.	Minimum
B.O.	Bottom of	MPS	Miles per hour
BOF.	Bottom Bearing	MTL	Metal
BRS.	Bearing	NI	New
bT	Between	NDS	National Design Specification
CAC.	California Administrative Code	N.T.S.	Not to Scale
CANT.	Cantilever	O.C.	On Center
CBC	California Building Code	OD	Outside Diameter
CD	Cast-in-place	OSB	Oriented Strand Board
CI	Control Joint	OSHPD	Office of State Health Planning and Development
CJP	Complete Joint Penetration	OWSI	Open Web Steel Joist
C	Centerline	PEN.	Penetration
CLS.	Ceiling	PL	Plate
CLS	Clear	PLYWD.	Plywood
CMU	Concrete Masonry Unit	PJP	Partial Joint Penetration
COL.	Column	PPF	Pounds per Square Foot
CONC.	Concrete	PSI	Pounds per Square Inch
CONNL.	Connection	PSL	Pounds per Square Foot
CONSTR.	Construction	PSL	Parallel Strand Lumber (PFS)
CONT.	Continue, Continuous	PEMB	Post-Engineered Metal Building
CTS	Counter	PERF.	Perforated
CSK.	Countersink	PTDR	Pressure Treated Douglas Fir
∅	Diameter	PW	Puddle Weld
d	Diameter	Q.A.	Quality Assurance
DBL	Double	Q.C.	Quality Control
DCW	Demand Critical Weld		
DET.	Detail	RBS	Reduced Beam Section
DEMO	Demolition	RWDV	Reinforcing Bar
DF	Diagonal	REIN.	Reinforcement
DIAG.	Diagonal	RET.	Retaining
DL	Dead Load	REQD.	Required
DGA	Division of State Architect		
DWG'S.	Drawings		
EA.	Each	S.F.	Square Feet
E.F.	Each Face	SH	Sheet
ELEC.	Electric, Electrical	SFTG	Sheathing
ELEV.	Elevation	SME	Similar
EMBED.	Embedded, Embedment	SIP	Structural Insulated Panel
EN.	Edge Nailing	SIU	Steel Joist Institute
EOR	Engineer of Record	SLS	Seismic Load Resisting System
EQ.	Equal	SMS	Sheet Metal Screw
EQUIP.	Equipment	SQ.	Square
E.S.	Each Side	SS	Select Structural
E.H.	Each Way	STAGCD	Staggered
(E)	Existing	STD.	Standard
EXP.	Expansion	STL	Steel
EXT.	Exterior	SW	Shearwall
FAB.	Fabricated	SEOR	Structural Engineer of Record
FDN.	Foundation	T&B	Top and Bottom
F.F.	Finish Floor	T&G	Top and Groove
F.L.	Floor	THRD	Threaded
F.O.	Face of	T.O.	Top of
FRMG.	Framing	TRL	Triple
FT.	Foot/Foot	TYP.	Typical
FTC.	Footing		
GA.	Gauge	UNBLKD.	Unblacked
GALV.	Galvanized	U.N.O.	Unless Noted Otherwise
GEOR.	Geotechnical Engineer of Record	URM	Unreinforced Masonry
GLB	Glued Laminated Beam	VERT.	Vertical
G/P. BD.	Gypsum Board	VIF	Verify in Field
HDR.	Header	W/	With
HD.	Holddown	w/c	Water/Cement Ratio
HORIZ.	Horizontal	WD.	Wood
HSS	Hollow Steel Section	W/P	Welding Point
HT.	Height	W.S.M.F.	Welded Steel Moment Frame
		WSS	Welded Steel Stud
		WT.	Weight
		WWM	Welded Wire Mesh

0 1/2" 1" 2"
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE



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CITY OF SAN LUIS OBISPO
WTP OZONE CONTAINMENT IMPROVEMENT PROJECT

PROJECT TITLE

SHEET TITLE



DATE: 06.11.2024

DESIGNED BY: CLK

DRAWN BY: CLK

CHECKED BY: MEP

APPROVED BY: MEP

SCALE: N/A

DATE: JUNE 2024

CITY SPECIFICATION NO. 2001026

PLAN FILE NO. / LOCATION

SHEET NO. S-001

8 of 13

SPECIAL INSPECTION

GENERAL NOTES		
1.	All Special Inspection shall be provided in accordance with CBC Section 1704 and 1705.	
2.	Where Special Inspection is required, all inspection or testing shall be provided by an "approved agency" in accordance with CBC Section 1702.1, 1703.1 and 1704.1.	
3.	Special Inspectors shall keep records of inspections. The Special Inspector shall furnish inspection reports to the Authority Having Jurisdiction, and to the Architect or Engineer of Record. Reports shall indicate that work inspected was done in conformance to approved construction documents. Discrepancies shall be brought to the immediate attention of the contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Authority Having Jurisdiction and to the Architect or Engineer of Record prior to the completion of that phase of work. A final report documenting required Special Inspections and correction of any discrepancies noted in the inspections shall be submitted at a point in time agreed upon by the permit applicant and the Authority Having Jurisdiction prior to the start of work.	
4.	Special Inspectors shall be approved by local Authority Having Jurisdiction in accordance with CBC Section 1704.2.1.	
5.	Local Authority Having Jurisdictions may require Special Inspection for "Special Cases" in accordance with CBC Section 1704.2.1.1.	
6.	Contractor's responsibility: Each contractor responsible for the construction of a Main Lateral-Force-Resisting System, listed in the Statement of Special Inspection shall submit a written Statement of Responsibility to the Authority Having Jurisdiction and the owner prior to the commencement of work on the system or component. The contractor's statement of responsibility shall contain the following: A. Acknowledgment of awareness of the special requirements contained in the statement of special inspections; B. Acknowledgment that control will be exercised to obtain conformance with the construction documents approved by the Authority Having Jurisdiction; C. Procedures for exercised control within the contractor's organization, the method and frequency of reporting and the distribution of the reports; and D. Identification and qualifications of the person(s) exercising such control and their position(s) in the organization.	
7.	Refer to Special Inspection requirements by other disciplines not included herein.	

SOILS*		
Verification and Inspection	Continuous	Periodic
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.		✓
2. Verify excavations are extended to proper depth and have reached proper material.	✓	✓
3. Perform classification and testing of compacted fill materials.		✓
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	✓	b
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.		✓
Notes: Soils		
a.	CBC Section 1705.6 and Table 1705.6	
b.	With the approval of the Authority Having Jurisdiction and the recommendation of the Geotechnical Engineer of Record, Special Inspection of grading operations may be periodic per CBC Section 1704.2, Exception 1.	

SPECIAL CASES		
Verification and Inspection	Continuous	Periodic
Adhesive anchors (Epoxy)		
1. Inspection of anchors installed in hardened concrete. Installed in horizontally or upwardly inclined orientations to resist sustained tension loads. (Concrete shall be cured for a minimum of 21 days)	✓	
2. All other installations of adhesive anchors.		✓
Mechanical anchors		
1. Inspection of anchors installed in hardened concrete.		✓

ALUMINUM CONSTRUCTION			
Verification and Inspection	Continuous	Periodic	
Required verification and inspection of steel construction			
1. Material verification of structural steel, cold-formed steel deck, high-strength bolts, nuts and washers:			
a. For structural steel, identification markings to conform to AISC 360, or ASTM Standards Specified in approved Construction Documents. Manufacturer's certificate of compliance required.			✓
2. Material verification of structural steel or cold-form steel deck:			
a. Identification markings to conform to ASTM standards specified in the approved construction documents.			✓
b. Manufacturer's certified test reports.			✓
3. Inspection of high-strength bolting:			
a. Snug-tight joints			✓
b. Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist off bolt or direct tension indicator methods of installation			✓
c. Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated wrench methods of installation			✓
4. Material verification of weld filler materials:			
a. Identification markings to conform to AWS specification in the approved Construction Documents			✓
b. Manufacturer's certificate of compliance required			✓
5. Inspection of welding:			
a. Structural steel and cold formed steel deck:			
1) Complete and partial joint penetration groove welds	✓		
2) Multi-pass fillet welds	✓		
3) Single-pass fillet welds > 1/8"	✓		
4) Plug and slot welds	✓		
5) Single-pass fillet welds < 1/8"			✓
6) Floor and roof deck welds*			✓
6. Inspection of steel frame joint details for compliance:			
a. Details such as bracing and stiffening			✓
b. Member locations			✓
c. Application of joint details at each connection			✓

ALUMINUM CONSTRUCTION, CONTINUED			
Verification and Inspection	Continuous	Periodic	
Inspection tasks prior to welding			
1. Welding procedure specifications (WSPs) available			✓
2. Manufacturer certifications for welding consumables available			✓
3. Material identification (type/grade)			✓
4. Welder identification system*			✓
5. Fit-up of groove welds (including joint geometry) Joint preparation, dimensions, cleanliness, tacking, backing type and fit.			✓
6. Configuration and finish of access holes			✓
7. Fit-up of fillet welds Dimensions, cleanliness, tacking			✓
8. Check welding equipment			
Inspection tasks during welding			
1. Use of qualified welders			✓
2. Control and handling of welding consumables Packaging, exposure control			✓
3. No welding over cracked tack welds			✓
4. Environmental conditions. Wind speed within limits, precipitation and temperature			✓
5. WPS followed Settings on welding equipment, travel speed, selected welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained min./max., proper position (F, V, H, OH)			✓
6. Welding techniques Interpass and final cleaning, each pass within profile limitations			✓
Inspection tasks after welding			
1. Welds cleaned			✓
2. Size, length and location of welds			✓
3. Welds meet visual acceptance criteria Crack prohibition, weld/base-metal fusion, crater cross section, weld profiles, weld size, undercut, porosity			✓
4. Arc strikes			✓
5. k-Area*			✓
6. Backing removed and weld tabs removed (if required)			✓
7. Repair activities			✓
8. Document acceptance or rejection of welded joint or member			✓

STEEL CONSTRUCTION*			
Verification and Inspection	Continuous	Periodic	
Required verification and inspection of steel construction			
1. Material verification of structural steel, cold-formed steel deck, high-strength bolts, nuts and washers:			
a. For structural steel, identification markings to conform to AISC 360, or ASTM Standards Specified in approved Construction Documents. Manufacturer's certificate of compliance required.			✓
2. Material verification of structural steel or cold-form steel deck:			
a. Identification markings to conform to ASTM standards specified in the approved construction documents.			✓
b. Manufacturer's certified test reports.			✓
3. Inspection of high-strength bolting:			
a. Snug-tight joints			✓
b. Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist off bolt or direct tension indicator methods of installation			✓
c. Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated wrench methods of installation			✓
4. Material verification of weld filler materials:			
a. Identification markings to conform to AWS specification in the approved Construction Documents			✓
b. Manufacturer's certificate of compliance required			✓
5. Inspection of welding:			
a. Structural steel and cold formed steel deck:			
1) Complete and partial joint penetration groove welds			✓
2) Multi-pass fillet welds			✓
3) Single-pass fillet welds > 1/8"			✓
4) Plug and slot welds			✓
5) Single-pass fillet welds ≤ 1/8"			✓
6) Floor and roof deck welds*			✓
b. Reinforcing steel:#			
1) Verification of weldability of reinforcing steel other than ASTM A706			✓
2) Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement			✓
3) Shear reinforcement			✓
4) Other reinforcing steel			✓
6. Inspection of steel frame joint details for compliance:			
a. Details such as bracing and stiffening			✓
b. Member locations			✓
c. Application of joint details at each connection			✓
Inspection tasks prior to welding			
1. Welding procedure specifications (WSPs) available			✓
2. Manufacturer certifications for welding consumables available			✓
3. Material identification (type/grade)			✓
4. Welder identification system*			✓

STEEL CONSTRUCTION*			
Verification and Inspection	Continuous	Periodic	
Required verification and inspection of steel construction			
Inspection tasks prior to welding (continued)			
5. Fit-up of groove welds (including joint geometry) Joint preparation, dimensions, cleanliness, tacking, backing type and fit			✓
6. Configuration and finish of access holes			✓
7. Fit-up of fillet welds Dimensions, cleanliness, tacking			✓
8. Check welding equipment			
Inspection tasks during welding			
1. Use of qualified welders			✓
2. Control and handling of welding consumables Packaging, exposure control			✓
3. No welding over cracked tack welds			✓
4. Environmental conditions Wind speed within limits, precipitation and temperature			✓
5. WPS followed Settings on welding equipment, travel speed, selected welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained min./max., proper position (F, V, H, OH)			✓
6. Welding techniques Interpass and final cleaning, each pass within profile limitations			✓

0 1/2" = 1'-0"
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

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PROJECT TITLE: CITY OF SAN LUIS OBISPO WTP OZONE CONTAMINANT IMPROVEMENT PROJECT
 SHEET TITLE: LIST OF SPECIAL INSPECTIONS

REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 No. 44567
 DATE: 06.11.2024

DESIGNED BY:	CLK
DRAWN BY:	CLK
CHECKED BY:	MEP
APPROVED BY:	MEP
SCALE:	N/A
DATE:	JUNE 2024
CITY SPECIFICATION NO.:	2001026
PLAN FILE NO./LOCATION:	
SHEET NO.:	S-002
	9 of 13

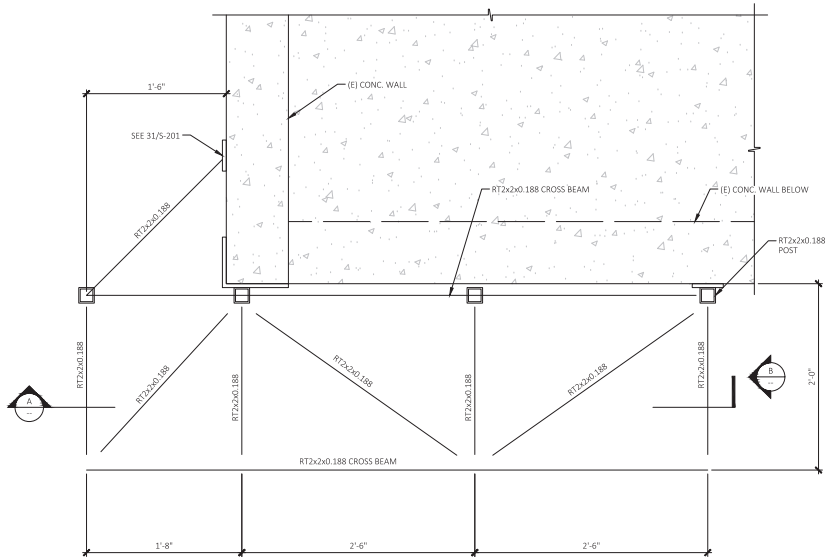


PROJECT TITLE
 SHEET TITLE



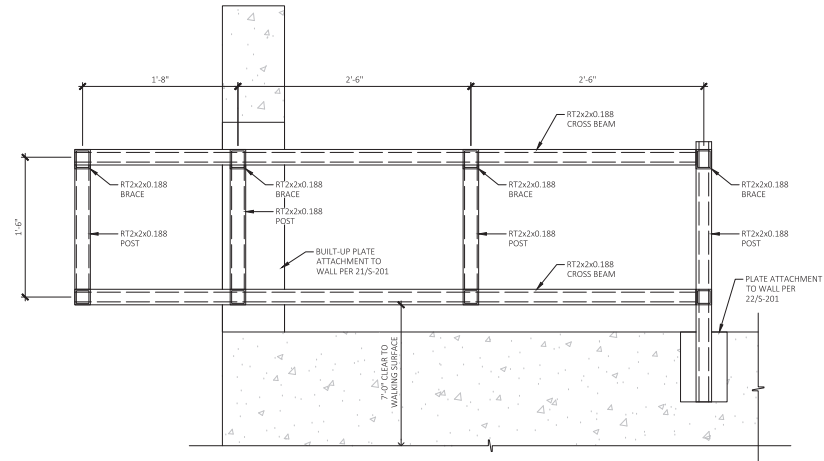
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 CHECKED BY: MEP
 APPROVED BY: MEP
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 DATE: JUNE 2024
 CITY SPECIFICATION NO.: 2001026
 PLAN FILE NO./LOCATION:

SHEET NO. S-101
 10 of 13



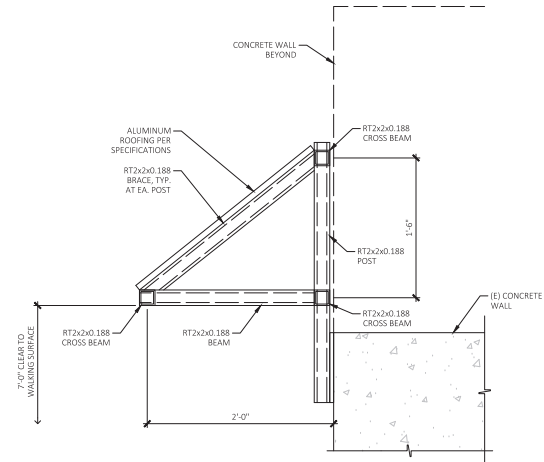
ALUMINUM SHADE COVER FRAMING PLAN

SCALE: 1-1/2" = 1'-0" (VERIFY ALL DIMENSIONS WITH AND EXISTING CONDITIONS)



ALUMINUM SHADE COVER SECTION

SCALE: 1-1/2" = 1'-0" (VERIFY ALL DIMENSIONS WITH AND EXISTING CONDITIONS) A



ALUMINUM SHADE COVER SECTION

1-1/2" = 1'-0" (VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS) B

0 1/2 1
 IF THIS BAR DOES NOT
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 NOT TO FULL SCALE



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CITY OF SAN LUIS OBISPO
 WTP OZONE CONTAINMENT IMPROVEMENT PROJECT
 EQUIPMENT SHADE COVER FOUNDATION AND FRAMING PLAN

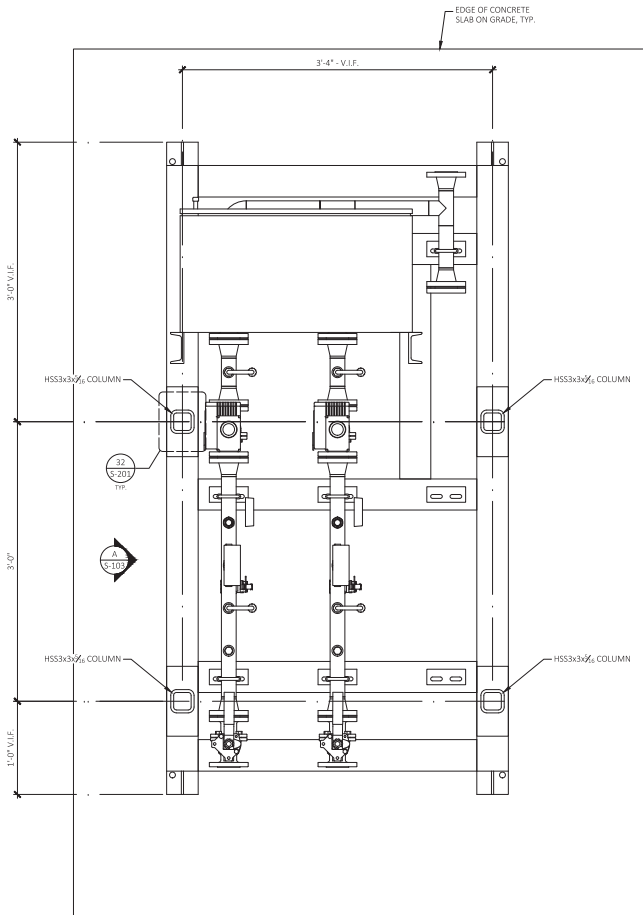
PROJECT TITLE

SHEET TITLE

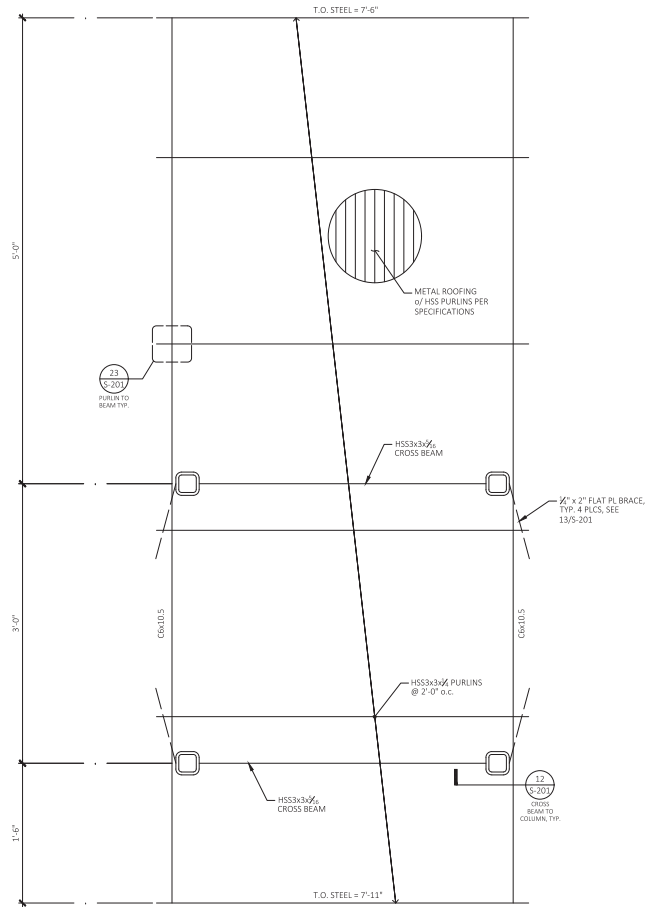


DESIGNED BY: CLK
 DRAWN BY: CLK
 CHECKED BY: MEP
 APPROVED BY: MEP
 SCALE: N/A
 DATE: JUNE 2024
 CITY SPECIFICATION NO.: 2001026
 PLAN FILE NO./LOCATION:

SHEET NO. S-102
 11 of 13



SHADE COVER FOUNDATION PLAN
 SCALE: 1-1/2" = 1'-0"
 (VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS)



SHADE COVER FRAMING PLAN
 SCALE: 1-1/2" = 1'-0"
 (VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS)

NOTE: ALL STEEL SHALL BE HOT DIPPED GALVANIZED.

0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE



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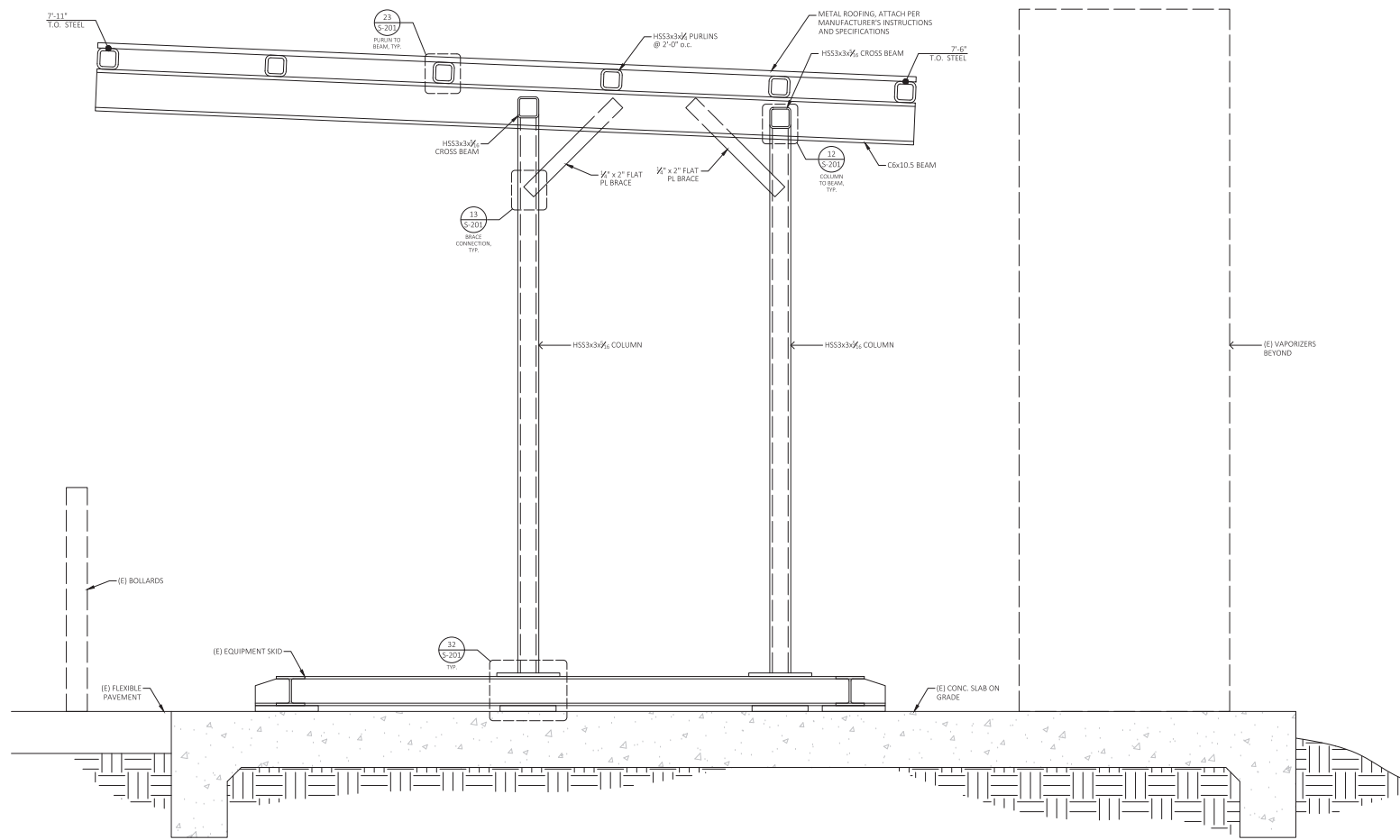


CITY OF SAN LUIS OBISPO
 WTP OZONE CONTAINMENT IMPROVEMENT PROJECT
 EQUIPMENT SHADE COVER SECTION VIEW

PROJECT TITLE
 SHEET TITLE



DESIGNED BY: CLK
 DRAWN BY: CLK
 CHECKED BY: MEP
 APPROVED BY: MEP
 SCALE: N/A
 DATE: JUNE 2024
 CITY SPECIFICATION NO.: 2001026
 PLAN FILE NO./LOCATION:
 SHEET NO.: S-103
 12 of 13



SHADE COVER ELEVATION VIEW
 SCALE: 1-1/2" = 1'-0" (VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS) A

0 1/2 1'
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE



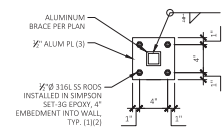
SSG Structural Engineers, LLP
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 San Luis Obispo, CA 93401

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 ARROYO GRANDE, CA 93421 (805) 904-6330



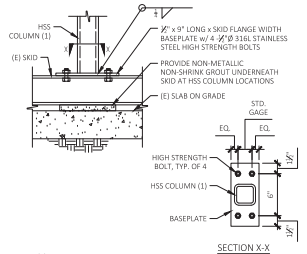


DESIGNED BY:	CLK
DRAWN BY:	CLK
CHECKED BY:	MEP
APPROVED BY:	MEP
SCALE:	N/A
DATE:	JUNE 2024
CITY SPECIFICATION NO.:	2001026
PLAN FILE NO. / LOCATION:	
SHEET NO.:	S-201
	13 of 13



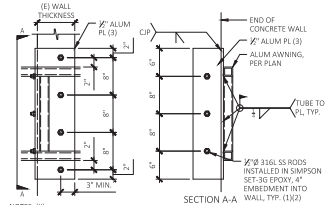
NOTES: (M)
 1. TEST ALL IN CONFORMANCE WITH ICC ESR-4057
 2. PROVIDE NEOPRENE WASHERS BETWEEN STAINLESS STEEL NUT AND ALUMINUM PLATE CONTACT
 3. SOLVENT OR STEAM CLEAN CONCRETE UNDER ALUMINUM PLATES PER SSPC SP-1. APPLY THREE OR MORE COATS OF DEVOE BAR-RUST 230H, OR EQUAL, 30 MILS TOTAL. MAXIMUM THICKNESS OF AN INDIVIDUAL COATING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDATION

ALUM BRACE TO WALL 31
 N.T.S.



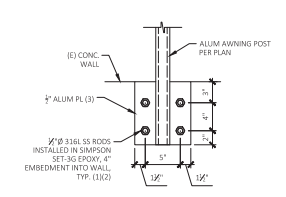
NOTES: (M)
 1. SEE FRAMING PLAN AND NOTES

HSS COLUMN TO (E) SKID 32
 N.T.S.



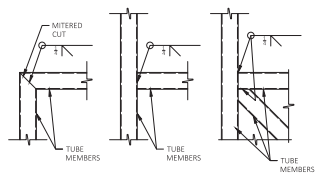
NOTES: (M)
 1. TEST ALL IN CONFORMANCE WITH ICC ESR-4057
 2. PROVIDE NEOPRENE WASHERS BETWEEN STAINLESS STEEL NUT AND ALUMINUM PLATE CONTACT
 3. SOLVENT OR STEAM CLEAN CONCRETE UNDER ALUMINUM PLATES PER SSPC SP-1. APPLY THREE OR MORE COATS OF DEVOE BAR-RUST 230H, OR EQUAL, 30 MILS TOTAL. MAXIMUM THICKNESS OF AN INDIVIDUAL COATING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDATION

BUILT-UP PLATE ATTACHMENT 21
 N.T.S.



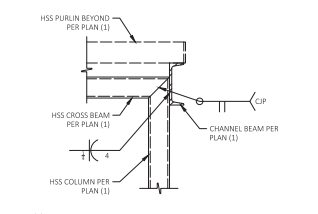
NOTES: (M)
 1. TEST ALL IN CONFORMANCE WITH ICC ESR-4057
 2. PROVIDE NEOPRENE WASHERS BETWEEN STAINLESS STEEL NUT AND ALUMINUM PLATE CONTACT
 3. SOLVENT OR STEAM CLEAN CONCRETE UNDER ALUMINUM PLATES PER SSPC SP-1. APPLY THREE OR MORE COATS OF DEVOE BAR-RUST 230H, OR EQUAL, 30 MILS TOTAL. MAXIMUM THICKNESS OF AN INDIVIDUAL COATING SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDATION

ALUM AWNING POST TO WALL 22
 N.T.S.



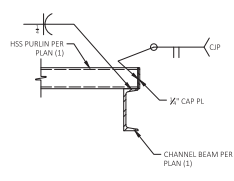
NOTES: (M)
 1. SEE FRAMING PLAN AND NOTES
 2. GRIND ALL WELDS SMOOTH

TYPICAL WELDS AT ALUM FRAME 11
 N.T.S.



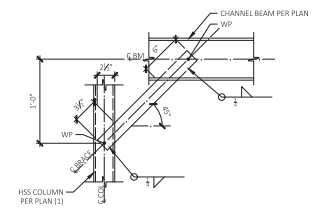
NOTES: (M)
 1. SEE FRAMING PLAN AND NOTES

STEEL FRAMING CONNECTION 12
 N.T.S.



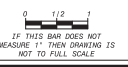
NOTES: (M)
 1. SEE FRAMING PLAN AND NOTES

STEEL FRAMING CONNECTION 23
 N.T.S.



NOTES: (M)
 1. SEE FRAMING PLAN AND NOTES

STEEL BRACE CONNECTION 13
 N.T.S.



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