October 29, 2025

IMPERIAL COMMUNITY COLLEGE DISTRICT
IMPERIAL VALLEY COLLEGE
WATER AND WASTEWATER PLANT IMPROVEMENTS

ADDENDUM #03

THE FOLLOWING ITEMS ARE LISTED AS CORRECTIONS OR CLARIFICATIONS TO THE CONSTRUCTION DOCUMENTS.

WASTEWATER TANK COATING

1. SW DURA-PLATE 6100 Product Data Sheet is included as attachment for reference

DRAWINGS

TITLE SHEET, GENERAL NOTES, SHEET INDEX

1. T – TITLE SHEET – GENERAL NOTES
    a. Sheet T1 shall be replaced by Sheet AD-03_T attached to this addendum. All changes to this sheet are clouded.

ARCHITECTURAL SITE

1. AS3 - SITE SURVEY AND DEMOLITION PLAN, DEMOLITION UTILITY PLAN
    a. Sheet AD-02_AS3 shall be replaced by Sheet AD-03_AS3 attached to this addendum. All changes to this sheet are clouded.

2. AS5 – HARDSCAPE
    a. Sheet AD-02_AS5 shall be replaced by Sheet AD-03_AS5 attached to this addendum. All changes to this sheet are clouded.

3. ASX2 – TYPICAL SITE DETIALS
    a. Sheet ASX2 shall be replaced by Sheet AD-03_ASX2 attached to this addendum. All changes to this sheet are clouded.

4. ASX3.1 – 50K GALLON WASTEWATER PLANT – ENLARGED PLAN
    a. Sheet ASX3.1 was omitted from Bid Set in error, Sheet ASX3.1 shall be included in Bid Set Drawings and is attached to this addendum.

5. ASX3.2 – 50K GALLON WASTEWATER PLANT – ENLARGED PLAN
    a. Sheet ASX3.2 was omitted from Bid Set in error, Sheet ASX3.2 shall be included in Bid Set Drawings and is attached to this addendum.

ELECTRICAL

1. E102 – SITE ELECTRICAL PLAN
    a. Sheet AD-02_E102 shall be replaced by Sheet AD-03_E102 attached to this addendum. All changes to this sheet are clouded.

2. E201 – SINGLE LINE DIAGRAM
    a. Sheet AD-02_E201 shall be replaced by Sheet AD-03_E201 attached to this addendum. All changes to this sheet are clouded.

END OF ADDENDUM #03

Edgar A. Barajas

Attachments: SW DURA-PLATE 6100 Product Data Sheet

Drawings	AD-03_T,
(full sheet)	AD_03-AS3, AD_03-AS5, ASX3.1, AS3X.2
	AD_03-E102, AD_03-E201

Protective & Marine Coatings

DURA-PLATE® 6100
HIGH PERFORMANCE EPOXY

PART A	B62W475	RESIN
PART B	B62V475	HARDENER
PART B	B62VHB475	HIGH BUILD HARDENER

Revised: June 19, 2024

PRODUCT INFORMATION

TRM.115

PRODUCT DESCRIPTION

DURA-PLATE 6100 is a high build, high physical performance, 100% solids epoxy designed for corrosion protection of concrete and steel in municipal and industrial wastewater treatment facilities, especially where a high build and high physical value coating is required.

- 100% solids
- Resistant to water and wastewater treatment immersion
- Resistant to Sulfuric Acid formation caused by MIC in wastewater environments
- May be applied to an SSD (Saturated Surface Dry) substrate
- May be applied as a mortar system using type DP aggregate with no change in chemical resistance

PRODUCT CHARACTERISTICS

Finish:	Matte
Color:	Off White
Volume Solids:	100%
VOC (measured):	<10 g/L (EPA Method 24)
Weight Solids:	100%, calculated mixed
Mix Ratio:	2:1, mix by volume

Recommended Spreading Rate per coat:

with B62V475:	Minimum	Maximum
Wet mils (microns)	**12.0** (300)	**125.0** (3125)
Dry mils (microns)	**12.0** (300)	**125.0** (3125)
~Coverage sq ft/gal (m^2/L)	**12.8** (0.3)	**133.6** (12.4)

Recommended Spreading Rate per coat:

with B62VHB475:	Minimum	Maximum
Wet mils (microns)	**15.0** (375)	**250.0** (6250)
Dry mils (microns)	**15.0** (375)	**250.0** (6250)
~Coverage sq ft/gal (m^2/L)	**6.4** (0.2)	**106.9** (2.6)

Drying Schedule @ 120.0 mils wet (3000 microns):

	@ 35°F/2°C	@ 50°F/10°C *50% RH*	@ 70°F/21°C
To touch:	3.5 hours	1.5 hours	30 minutes
To handle:	8.5 hours	8 hours	2 hours
To recoat:			
Minimum:	4 hours	1.5 hours	15 minutes
Maximum:	24 hours	12 hours	8 hours
Cure to service:	36 hours	12 hours	6 hours

If maximum recoat time is exceeded, scarify surface before recoating. Drying time is temperature, humidity, and film thickness dependent.

Pot Life:	20 minutes @ 77ºF / 25°C (1 quart mass)
Shelf Life:	24 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).
Flash Point:	Greater than 250ºF (121°C), PMCC ASTM D93
Reducer:	Not recommended
Clean Up:	MEK or High Flash Naphtha - 150

RECOMMENDED USES

Protects concrete and steel surfaces in immersion and atmospheric exposure. Ideally suited for coating, lining, and containment applications in water and wastewater facilities including:

- Lift stations
- Pipes
- Digesters
- Sluice ways
- Influent chambers
- Sumps
- Trenches
- Basins
- Manholes
- Clarifiers
- Wet wells

PERFORMANCE CHARACTERISTICS

Substrate*: Steel
Surface Preparation*: SSPC-SP10
System Tested*:
1 ct. Dura-Plate 6100 @ 80.0 mils (2000 microns) to 100.0 mils (2500 microns) dft
*unless otherwise noted below

RESISTANCE GUIDE IMMERSION

Contact your local Sherwin-Williams Protective & Marine Sales Rep to verify suitability at elevated temperatures.

- Acetic Acid 5% ..... Recommended
- Ammonium Hydroxide 5% ..... Recommended
- Diesel Fuel ..... Recommended
- Ferric Chloride 1% ..... Recommended
- Fresh and non potable water ..... Recommended
- Gasoline ..... Recommended
- Hypochloric Acid 10% ..... Recommended
- Kerosene ..... Recommended
- Nitric Acid 10% ..... Recommended
- Sodium Carbonate ..... Recommended
- Sodium Chloride 10% ..... Recommended
- Sodium Hydroxide 25% ..... Recommended
- Sodium Hypochlorite 1%* ..... Recommended
- Sulfuric Acid 20% ..... Recommended

* 1% sodium hypochlorite solution was prepared from fresh standard household bleach where sodium hypochlorite solution concentration was assumed to be 5.25%

Test Name	Test Method	Results
Abrasion	ASTM D4060	<90 mg loss
Adhesion (Concrete)	ASTM D7234	Substrate Failure
Adhesion (Steel)	ASTM D4541	>3,000 psi
Compressive Strength	ASTM D695	15,000 psi
Elongation Percent	ASTM D638	4.8%
Flexural Modulus	ASTM D790	590,000 psi
Flexural Strength	ASTM D790	11,000 psi
Hardness, Shore D	ASTM 2240	83
Impact Resistance	ASTM D2794	30 in. lbs.
Modulus of Elasticity	ASTM D638	247,000 psi
Severe Wastewater Analysis Test	ASTM G210	<20% reduction from initial to final EIS values
Standard Specifications for Public Works Construction (SSPWC)	The "Greenbook" - Pickle Jar Testing	Passed and Approved
Tensile Strength	ASTM D638	5,600 psi
Water Absorption	ASTM D570	0.15%
Water Vapor Transmission	ASTM D1653	3.0/gms/m2 (24 hrs)

Epoxy coatings may darken or discolor following application and curing and may chalk when exposed to sunlight.

continued on back

Protective & Marine Coatings

DURA-PLATE® 6100
HIGH PERFORMANCE EPOXY

PART A	B62W475	RESIN
PART B	B62V475	HARDENER
PART B	B62VHB475	HIGH BUILD HARDENER

PRODUCT INFORMATION

Revised: June 19, 2024

TRM.115

RECOMMENDED SYSTEMS

		***Dry Film Thickness / ct. Mils	(Microns)
Ductile Iron Pipe:			
1 ct.	Dura-Plate 6100	12.0-50.0	(300-1250)
Steel (Immersion Service):			
1 ct.	Dura-Plate 6100	12.0-50.0	(300-1250)

Dura-Plate 6100 can be applied in excess of 125 mils (3,125 microns) thick in multiple passes or coats in areas requiring protection from erosion. Maximum total DFT is 275.0 mils (6,875 microns).

Buried Concrete (Immersion Service):			
1 ct.	Dura-Plate 6100	40.0-125.0	(1000-3125)
Atmospheric Concrete (Immersion Service):			
1 ct.	Corobond 100	4.0-8.0	(100-200)
1 ct.	Dura-Plate 6100	40.0-125.0	(1000-3125)
***Concrete, Mortar (Lining and Resurfacing):**			
1 ct.	Dura-Plate 2300	as needed	
1 ct.	Dura-Plate 6100	40.0-125.0	(1000-3125)

*Consult your Sherwin-Williams Representative regarding Product Bulletin: "Dura-Plate Epoxy Mortars"

Concrete & Masonry, Immersion Thick Film / Severe Service:**			
1 ct.	Macropoxy 5000 (Clear) - 400-500 sq ft/gal (9.8-13.0 m²/L)		
1 ct.	Dura-Plate 6100	80.0-125.0+	(2000-3125+)
Concrete & Masonry, Immersion Medium Film / Moderate Service:**			
1 ct.	Macropoxy 5000 (Clear) - 400-500 sq ft/gal (9.8-13.0 m²/L)		
1 ct.	Dura-Plate 6100	40.0-80.0	(1000-2000)

**Consult your Sherwin-Williams representative for immersion suitability.

***When utilizing the High Build Hardener (B62VHB475), the systems above stay the same, however the dry film thickness of Dura-Plate 6100 changes to: 15.0-250.0 mils (375-6250 microns).

The systems listed above are representative of the product's use, other systems may be appropriate.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Iron & Steel:
- Atmospheric: SSPC-SP 6/NACE 3, 2 mil (50 micron) profile
- Immersion: SSPC-SP 10/NACE 2, ≥3 mil (75 micron) profile

Concrete & Masonry:
- Immersion: SSPC-SP 13/NACE 6-4.3.1 or 4.3.2, or ICRI No. 310.2R, CSP 3-6

Ductile Iron Pipe:
- Atmospheric: NAPF 500-03-03 Power Tool Cleaning
- Buried & Immersion: NAPF 500-03-04 Abrasive Blast Cleaning
- Cast Ductile Iron Fittings: NAPF 500-03-05 Abrasive Blast Cleaning

Surface Preparation Standards

	Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal		Sa 3	Sa 3	SP 5	1
Near White Metal		Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast		Sa 2	Sa 2	SP 6	3
Brush-Off Blast		Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	Rusted	C St 2	C St 2	SP 2	-
	Pitted & Rusted	D St 2	D St 2	SP 2	-
Power Tool Cleaning	Rusted	C St 3	C St 3	SP 3	-
	Pitted & Rusted	D St 3	D St 3	SP 3	-

TINTING

Do not tint.

APPLICATION CONDITIONS

Temperature: 35°F (2°C) minimum, 100°F (38°C) maximum (air and surface)
At least 5°F (2.8°C) above dew point

Material must be preconditioned to 90-100ºF (32-38ºC) for proper heating and mixing through plural component equipment.

Refer to product Application Bulletin for detailed application information.

ORDERING INFORMATION

Packaging:
- Part A: 5 gallon (18.9L) container; 50 gallon (189.25L) container
- Part B: 5 gallon (18.9L) container; 50 gallon (189.25L) container

Weight: 11.4 ± 0.2 lb/gl 1.4 Kg/L

SAFETY PRECAUTIONS

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Protective & Marine Coatings

DURA-PLATE® 6100
HIGH PERFORMANCE EPOXY

PART A	B62W475	RESIN
PART B	B62V475	HARDENER
PART B	B62VHB475	HIGH BUILD HARDENER

Revised: June 19, 2024

APPLICATION BULLETIN

TRM.115

SURFACE PREPARATIONS

Surface must be clean, surface dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Carbon Steel, Immersion Service:
Clean and degrease the surface prior to abrasive blasting per SSPC-SP 1 Solvent Cleaning. Methods described in SSPC-SP 1 include solvents, alkali, detergent/water, emulsions, and steam. The surface shall be abrasive blasted to SSPC-SP10/NACE No. 2 Near-White Blast Cleaning with a 2 - 3 mil profile. The anchor pattern shall be sharp with no evidence of a polished surface. The finished surface shall be free of all visible oil, grease, dust, dirt, mill scale, rust, coating, oxides, corrosion products, and other foreign matter with no more than 5% staining. After blasting, all dust and loose residue should be removed from the surface by acceptable means. Coat steel the same day as it is prepared and prior to the formation of rust.

Concrete and Masonry, Immersion Service:
Decontamination of the concrete surface requires the removal of oils, grease, wax, fatty acids and other contaminants and may be accomplished by the use of detergent scrubbing with a Sherwin-Williams cleaner and degreaser, low pressure water cleaning (less than 5,000 psi), steam cleaning, or chemical cleaning. The preferred methods for creating a surface profile, including the removal of dirt, dust, laitance and curing compounds, is abrasive blasting or scarifying to achieve an ICRI surface equivalent to CSP 3-6. Fill all cracks, voids, and bug holes with cementitious grout, Steel-Seam FT910 or Dura-Plate 2300. See ICRI Technical Guideline No. 310.2R for additional information.

Ductile Iron Pipe, Atmospheric Service:
Minimum surface preparation is Power Tool Clean per NAPF 500-03-03. Remove all oil and grease from surface by Solvent Cleaning per NAPF 500-03-01.

Ductile Iron Pipe, Buried and Immersion Service:
Minimum surface preparation is Abrasive Blast Cleaning per NAPF 500-03-04. Ductile iron pipe external surfaces, in some cases, can be damaged by excessive abrasive blast cleaning beyond this standard. Remove all oil and grease from surface by Solvent Cleaning per NAPF 500-03-01.

Ductile Iron Fittings:
Minimum surface preparation is Abrasive Blast Cleaning of Cast Ductile Iron Fittings per NAPF 500-03-05. Remove all oil and grease from surface by Solvent Cleaning per NAPF 500-03-01.

Surface Preparation Standards

	Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal		Sa 3	Sa 3	SP 5	1
Near White Metal		Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast		Sa 2	Sa 2	SP 6	3
Brush-Off Blast		Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	Rusted	C St 2	C St 2	SP 2	-
	Pitted & Rusted	D St 2	D St 2	SP 2	-
Power Tool Cleaning	Rusted	C St 3	C St 3	SP 3	-
	Pitted & Rusted	D St 3	D St 3	SP 3	-

APPLICATION CONDITIONS

Temperature: 35°F (2°C) minimum, 100°F (38°C) maximum (air, surface)
At least 5°F (2.8°C) above dew point

Material must be preconditioned to 90-100ºF (32-38ºC) for proper heating and mixing through plural component equipment.

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing environmental and application conditions.

Application requires a hopper feed or transfer pump delivery of unmixed materials.

Reducer ..... Not recommended
Clean Up ..... MEK or High Flash Naphtha - 150

Plural Component Equipment
Pump..... 70:1 proportioner capable of 2gpm or greater set at a 2:1 ratio
Feed Method..... 5:1 transfer pumps or larger, A and B side.
Pressure..... 5,000-5,500 psi and 110-140°F (43-60°C) at tip/gun
Heated Hose Bundle..... 1/2" Part A / 3/8" Part B / Heat to ~120°F (49°C)
Integrated Hose ..... 3/8" x 15-20 ft. max, static mixer, 3-6 ft 1/4" whip if needed for maneuver-ability
Tip ..... .021"-.031"
Gun ..... mastic or high flow, filter free
Heat Requirements..... Part A: 120-140°F (49-60°C) / Part B: 90-110°F (32-43°C)
Filter ..... remove all filters

Brush
For Stripe Coating or repair only
Brush..... Nylon/Polyester Natural Bristle

Roller
For backrolling only
Cover ..... Soft Woven 1/2" or greater

If specific application equipment is not listed above, equivalent equipment may be substituted.

continued on back

Protective & Marine Coatings

DURA-PLATE® 6100
HIGH PERFORMANCE EPOXY

PART A	B62W475	RESIN
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Revised: June 19, 2024

APPLICATION BULLETIN

TRM.115

APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mixing Instructions: Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Thoroughly agitate the mixture with power agitation. Load each component into the proper side of the plural component spray pump hoppers or transfer pumps.

Apply paint at the recommended film thickness and spreading:

Recommended Spreading Rate per coat:

with B62V475:	Minimum	Maximum
Wet mils (microns)	**12.0** (300)	**125.0** (3125)
Dry mils (microns)	**12.0** (300)	**125.0** (3125)
~Coverage sq ft/gal (m^2/L)	**12.8** (0.3)	**133.6** (12.4)

Recommended Spreading Rate per coat:

with B62VHB475:	Minimum	Maximum
Wet mils (microns)	**15.0** (375)	**250.0** (6250)
Dry mils (microns)	**15.0** (375)	**250.0** (6250)
~Coverage sq ft/gal (m^2/L)	**6.4** (0.2)	**106.9** (2.6)

Drying Schedule @ 120.0 mils wet (3000 microns):

	@ 35°F/2°C	@ 50°F/10°C *50% RH*	@ 70°F/21°C
To touch:	3.5 hours	1.5 hours	30 minutes
To handle:	8.5 hours	8 hours	2 hours
To recoat:			
Minimum:	4 hours	1.5 hours	15 minutes
Maximum:	24 hours	12 hours	8 hours
Cure to service:	36 hours	12 hours	6 hours

If maximum recoat time is exceeded, scarify surface before recoating.
Drying time is temperature, humidity, and film thickness dependent.

For Mortar Applications: (lining and resurfacing)
Consult your Sherwin-Williams Representative regarding Product Bulletin: "Dura-Plate Epoxy Mortars"

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with MEK or High Flash Naphtha - 150. Clean pump, hose, and gun by flushing system with MEK or High Flash Naphtha - 150. Then flush tools immediately after use with MEK or High Flash Naphtha - 150.

DISCLAIMER

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PERFORMANCE TIPS

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

No reduction of material is recommended, as this can affect film build, appearance and performance.

Brush application is for stripe coating and small areas only.

Premix each individual component prior to application. Use of drum transfer pumps will require agitators for both components. Do not mix Part A and Part B prior to spray application.

Precondition both Part A and Part B to 100ºF (38ºC) prior to transferring to the spray pump for proper heating and mixing during spray application

When long hose lengths are not required, the manifold at the pump can be utilized with a maximum of 25' x 1/2" integrated hose and 10' x 1/4" whip connected to the spray gun. This will require frequent cleaning to prevent clogs or blockages within the spray pump.

In order to avoid blockage of spray equipment, flush equipment before use or from the mix manifold to the spray gun before periods of extended downtime.

Tinting is not recommended for immersion service.

For Immersion Service (if required): Holiday test in accordance with ASTM D 5162 for steel, or ASTM D 4787 for concrete.

Refer to Product Information sheet for additional performance characteristics and properties.

SAFETY PRECAUTIONS

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

WARRANTY

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IMPERIAL COMMUNITY COLLEGE DISTRICT

IMPERIAL VALLEY COLLEGE

WATER AND WASTEWATER PLANT IMPROVEMENTS

380 EAST ATEN RD
IMPERIAL, CA 92251
(760) 352-8320

BOARD OF SCHOOL TRUSTEES:

HORTENCIA ARMENDARIZ
ISABEL SOLIS
KARLA SIGMOND
BETSY LINDBERGH
ERIK ORTEGA
PETER MARTINEZ
ROMUALDO MEDINA

APPROVALS

CONSULTANTS

ENVIRONMENTAL
VALENTINE
TERESA A. VALENTINE
15845 SOUTH 46TH STREET
PHOENIX, ARIZONA 85048
(480) 283-8991

MECHANICAL
FULLER MECHANICAL DESIGN
MATTHEW FULLER
SAN DIEGO, CALIFORNIA
(619) 403-3216

ELECTRICAL
KRUSE AND ASSOCIATES
KEITH KRUSE
12245 WORLD TRADE DRIVE
SUITE E
SAN DIEGO, CA 92128
(858) 676-9776

SHEET INDEX KEY / KEY PLAN

DISCIPLINE (eg, A = ARCHITECTURAL, P = PLUMBING, etc)
DRAWING TYPE (eg, FLOOR PLAN, ARCHITECTURAL SECTIONS, etc)
DRAWING TYPE SUB-SHEET NUMBER

A2.2 | ARCHITECTURAL SECTIONS
SHEET TITLE

STATEMENT OF GENERAL CONFORMANCE

APPLICATION NO. _____
FILE NO. _____

THE DRAWINGS IDENTIFIED AS FOLLOWS:

☒ ALL DRAWING SHEETS INCLUDED IN THIS SET NOT BEARING MY STAMP AND SIGNATURE.

☐ DRAWING SHEETS DENOTED IN THE SHEET INDEX AS FOLLOWS:

☐ DRAWING SHEETS INCLUDED UNDER THE FOLLOWING PC APPROVAL(S):

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND / OR AUTHORIZED TO PREPARE SUCH DRAWLINGS (PLANS) IN THIS STATE. THEY HAVE BEEN EXAMINED BY ME FOR:

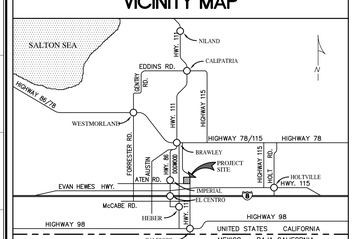
1) DESIGN INTENT, AND APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND

2) COORDINATION WITH MY DRAWINGS (PLANS) AND SPECIFICATIONS ARE ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

PER TITLE 24, PART 1, SECTION 4-316(B): THIS STATEMENT OF GENERAL CONFORMANCE SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 8138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 OF TITLE 24, PART 1.

JIMMIE SANDERS — DATE: 10/01/2025
LICENSE NO. C-7644 — EXP: 07/31/2027

VICINITY MAP



GENERAL NOTES

1. EXAMINATION OF SITE AND CONTRACT DOCUMENTS:

EACH BIDDER SHALL VISIT THE SITE OF THE PROPOSED WORK AND FULLY ACQUAINT HIMSELF WITH THE CONDITIONS RELATING TO THE CONSTRUCTION AND LABOR SO THAT HE MAY FULLY UNDERSTAND THE FACILITIES, DIFFICULTIES AND RESTRICTIONS ATTENDING THE EXECUTION OF THE WORK UNDER THE CONTRACT. BIDDERS SHALL THOROUGHLY EXAMINE AND BE FAMILIAR WITH THE DRAWINGS AND PROJECT MANUAL. THE FAILURE OR OMISSION OF ANY BIDDER TO RECEIVE OR EXAMINE ANY CONTRACT, FORM, INSTRUMENT, ADDENDUM, OR OTHER DOCUMENT OR TO VISIT THE SITE AND ACQUAINT HIMSELF WITH CONDITIONS THERE EXISTING SHALL IN NO-WISE RELIEVE ANY BIDDER FROM OBLIGATIONS WITH RESPECT TO HIS BID OR TO THE CONTRACT. THE SUBMISSION OF A BID SHALL BE TAKEN AS PRIMA FACIE EVIDENCE OF COMPLIANCE WITH THIS SECTION. THE ARCHITECT SHALL BE NOTIFIED, PRIOR TO BID, OF ANY UNUSUAL CONDITIONS OR DISCREPANCIES IN THE CONTRACT DOCUMENTS OR INTENT OF WORK TO BE ACCOMPLISHED, WHEREIN; A CLARIFICATION OR ADDENDUM MAY BE ISSUED.

2. PROJECT SCOPE:

THE IMPROVEMENTS TO THE WATER AND WASTEWATER PLANT SHALL INCLUDE ALL WORK SHOWN ON CONTRACT DOCUMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. REMOVE EXISTING WATER & WASTEWATER PIPING AS DESCRIBED IN THE DRAWINGS
2. REMOVE EXISTING ABANDONED TANKS
3. REMOVE EXISTING ABANDONED CONCRETE EQUIPMENT PADS AND MISC SITE CONCRETE
4. REMOVE EXISTING ABANDONED ELECTRICAL SYSTEMS
5. PROVIDE NEW CONCRETE EQUIPMENT PADS
6. PROVIDE NEW WATER PIPING AS DESCRIBED IN DRAWINGS
7. PROVIDE NEW WASTEWATER PIPING AS DESCRIBED IN DRAWINGS
8. PROVIDE NEW FIRE WATER PIPING AS DESCRIBED IN DRAWINGS
9. PROVIDE NEW POTABLE WATER PUMPS AND ASSOCIATED APPURTENANCES
10. PROVIDE NEW FIRE PUMP AND ASSOCIATED APPURTENANCES
11. PROVIDE NEW UV LIGHT SYSTEM
12. PROVIDE ALL NEW PIPING AND ELECTRICAL FOR OWNER FURNISHED GAC FILTER
13. PROVIDE NEW ELECTRICAL SYSTEMS, TRANSFORMER, PANELS AND SERVICE ~~TO NEW AND EXISTING EQUIPMENT~~
16. REMOVE AND REPLACE PIPING, VALVES, METAL PLATES, DISTRIBUTION BOX, METAL BOX AND PROVIDE MISCELLANEOUS ITEMS FOR 50K GALLON WASTEWATER PLANT AS SHOWN ON PLANS
17. REMOVE EXISTING COATING ON WASTEWATER TREATMENT TANKS AND PROVIDE NEW COATING AS DESCRIBED IN DRAWINGS

3. CODES AND STANDARDS:

APPLICABLE CODES:

ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24, CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PARTIAL LIST OF APPLICABLE STANDARDS:

NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)	2022 EDITION
NFPA 14	STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA AMENDED)	2019 EDITION
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2021 EDITION
NFPA 20	STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2019 EDITION
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2023 EDITION
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED)	2019 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2022 EDITION
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2019 EDITION
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)	2018 EDITION
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 EDITION (R2010)
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2018 EDITION
ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS	2017 EDITION (R2010)

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2022 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

4. PROJECT REQUIREMENTS

1. THE EXISTING DIESEL FIRE PUMP SHALL REMAIN OPERATIONAL DURING THE ENTIRE PROJECT.
2. THE EXISTING FIRE WATER LOOP SHALL REMAIN PRESSURIZED DURING THE ENTIRE PROJECT. CONTRACTOR SHALL INSTALL TEMPORARY ISOLATION IN FIRE WATER LOOP AS REQUIRED TO ALLOW THE WATER PLANT TO BE RENOVATED AND KEEP THE FIRE WATER LOOP PRESSURIZED.
3. ALL WORK ON THE POTABLE WATER SYSTEM THAT NEEDS TO BE ACCOMPLISHED WHEN THE COLLEGE IS OPEN AND SHALL CAUSE LOSS OF PRESSURE TO THE POTABLE WATER LOOP SHALL BE DONE FROM THE HOURS OF 10:00 PM – 5:00 AM. ANY WORK CAUSING LOSS OF PRESSURE TO THE POTABLE WATER LOOP SHALL BE COORDINATED AND SCHEDULED 5 DAYS IN ADVANCE.

5. TESTING AND INSPECTION:

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. THIS PROJECT SHALL REQUIRE ALL ITEMS PER DSA-103 LIST OF REQUIRED STRUCTURAL TESTS & SPECIAL INSPECTIONS.

PROJECT REQUIRES INSPECTOR OF RECORD, CLASS 1

WORK EXEMPT FROM SPECIAL INSPECTION AND STRUCTURAL TESTING: THE PROJECT INSPECTOR SHALL VERIFY ALL CONSTRUCTION COMPLIES WITH THE APPROVED CONSTRUCTION DOCUMENTS (SEE APPENDIX OF DSA 103 FORM, TESTING AND INSPECTION EXEMPTION KEY THIS SHEET AND CORRESPONDING LIST BELOW):

6. CHANGES TO APPROVED DRAWINGS:

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

7. CONSTRUCTION FIRE SAFETY:

CONTRACTOR IS RESPONSIBLE FOR FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION AND SHALL COMPLY WITH CFC 2022 CHAPTER 33 AND CBC CHAPTER 33.A WRITTEN SITE SAFETY PLAN IN COMPLIANCE WITH CFC 3303.1.1 MUST BE PREPARED AND AVAILABLE ON SITE PRIOR TO COMMENCEMENT OF ANY MOBILIZATION, DEMOLITION AND/OR CONSTRUCTION.

GENERAL NOTES

8. LOCAL ORDINANCES:

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND SITE ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

PROJECT BIDDING

BASE BID

BASE BID 1 SHALL INCLUDE ALL WORK SHOWN ON CONTRACT DOCUMENTS FOR THE RENOVATION OF THE EXISTING WATER AND WASTEWATER PLANT, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. REMOVE EXISTING WATER & WASTEWATER PIPING AS DESCRIBED IN THE DRAWINGS
2. REMOVE EXISTING ABANDONED TANKS
3. REMOVE EXISTING ABANDONED CONCRETE EQUIPMENT PADS AND MISC SITE CONCRETE
4. REMOVE EXISTING ABANDONED ELECTRICAL SYSTEMS
5. PROVIDE NEW CONCRETE EQUIPMENT PADS
6. PROVIDE NEW WATER PIPING AS DESCRIBED IN DRAWINGS
7. PROVIDE NEW WASTEWATER PIPING AS DESCRIBED IN DRAWINGS
8. PROVIDE NEW FIRE WATER PIPING AS DESCRIBED IN DRAWINGS
9. PROVIDE NEW POTABLE WATER PUMPS AND ASSOCIATED APPURTENANCES
10. PROVIDE NEW FIRE PUMP AND ASSOCIATED APPURTENANCES
11. PROVIDE NEW UV LIGHT SYSTEM
12. PROVIDE ALL NEW PIPING AND ELECTRICAL FOR OWNER FURNISHED GAC FILTER
13. PROVIDE NEW ELECTRICAL SYSTEMS, TRANSFORMER, PANELS AND ~~SERVICE TO NEW AND EXISTING EQUIPMENT~~
14. PROVIDE NEW WASTEWATER DISTRIBUTION BOX, PIPING, VALVES, FITTING AND MISCELLANEOUS ITEMS
15. REMOVE EXISTING COATING ON WASTEWATER TREATMENT TANKS AND PROVIDE NEW COATING AS DESCRIBED IN DRAWINGS

THE FOLLOWING ITEMS ARE FURNISHED BY OWNER AND SHALL BE EXCLUDED FROM THE BASE BID:

1. GAC FILTER

PROJECT SCHEDULE AND PHASING

PHASE I

DECEMBER 12 – JANUARY 5
THE COLLEGE WILL BE CLOSED DURING PHASE I ALLOWING WORK TO BE ACCOMPLISHED WITHOUT THE NEED FOR POTABLE WATER AT THE COLLEGE. PHASE I WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:

1. DEMOLITION OF EXISTING ABANDONED TANKS AND ASSOCIATED CONCRETE PADS
2. DEMOLITION OF EXISTING WATER PIPING
3. DEMOLITION OF EXISTING WASTEWATER PIPING
4. PROVIDE NEW POTABLE WATER PIPING TO NEW DOMESTIC WATER PUMPS. EXISTING PUMPS TO BE CONNECTED TEMPORARILY
5. PROVIDE NEW FIRE WATER PIPING TO NEW FIRE PUMP LOCATION
6. PROVIDE NEW WASTEWATER PIPING
7. PREPARE FOR GAC FILTER
8. PROVIDE UNDERGROUND ELECTRICAL AND PREPARE FOR NEW PANELS AND FEEDS TO EQUIPMENT
9. PREPARE FOR NEW PUMPS
10. PROVIDE NEW EQUIPMENT CONCRETE PAD
11. REMOVE EXISTING COATING TO 50 K WASTEWATER TANK
12. ~~PROVIDE EPOXY COATING TO 50K WASTEWATER TANK~~
16. REMOVE AND REPLACE PIPING, VALVES, METAL PLATES, DISTRIBUTION BOX, METAL BOX AND MISCELLANEOUS ITEMS FOR 50K GALLON WASTEWATER PLANT

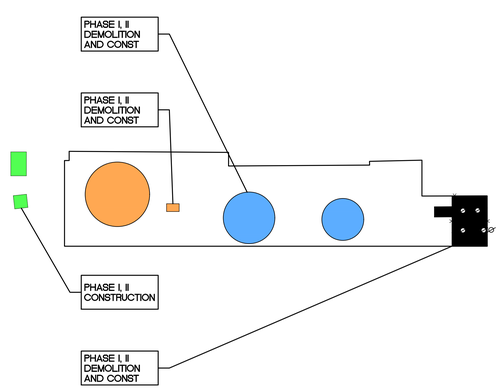
PHASE II

JANUARY 6 – MAY 1
THE COLLEGE WILL BE OPEN DURING PHASE II REQUIRING ALL WORK TO BE ACCOMPLISHED WHILE MAINTAINING PRESSURE TO THE POTABLE WATER LOOP. PHASE II WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:

1. ALL WORK NOT COMPLETED IN PHASE I

SHEET INDEX

AD-03_T	TITLE SHEET - GENERAL NOTES, SHEET INDEX
ARCHITECTURAL SITE	
AS1	SITE PLAN
AD-03_AS3	SITE SURVEY AND DEMOLITION PLAN
AD-03_AS5	HARDSCAPE AND FINISH GRADING
AD-03_ASX2	TYPICAL SITE DETAILS
ASX3.1	TYPICAL SITE DETAILS
ASX3.2	TYPICAL SITE DETAILS
ASX5	ENLARGED SITE PLAN
PLUMBING	
P001	PLUMBING NOTES
P002	PLUMBING SCHEDULES AND CALCULATIONS
P100	PLUMBING SITE PLAN
P201	PLUMBING FLOOR PLANS
P202	PLUMBING FLOOR PLANS
P301	PLUMBING DOMESTIC WATER PIPING DIAGRAMS
P302	PLUMBING FIRE WATER PIPING DIAGRAMS
P401	PLUMBING DETAILS
P501	PLUMBING SPECIFICATIONS
ELECTRICAL	
E001	PLUMBING NOTES
E101	PLUMBING SCHEDULES AND CALCULATIONS
AD-03_E102	PLUMBING SITE PLAN
AD-03_E201	PLUMBING FLOOR PLANS
GAC TREATMENT SYSTEM	
GENERAL	
G0.0	SYSTEM COVER SHEET, VICINITY MAP AND SHEET INDEX
G1.0	GENERAL CONSTRUCTION NOTES
G2.0	ABBREVIATIONS, SYMBOLS, NOTES
G3.0	EXISTING PROCESS FLOW DIAGRAM
G4.0	GAC SYSTEM PROCESS FLOW DIAGRAM
PROCESS MECHANICAL	
M1.0	EXISTING OVERALL SITE PLAN
M2.0	EXISTING ENLARGED SITE PLAN
M3.0	OVERALL GAC SYSTEM SITE PLAN
M4.0	ENLARGED GAC SYSTEM UPPER PLAN
M4.1	ENLARGED GAC SYSTEM LOWER PLAN
M4.2	GAC TREATMENT SYSTEM SECTION I
M4.3	GAC TREATMENT SYSTEM SECTION II
M4.4	GAC TREATMENT SYSTEM SECTION III
M5.0	DETAILS I



PHASING SCOPE:

PHASE 1:

PHASE 1 DEMOLITION / CONSTRUCTION INCLUDED

- ~~DEMOLITION OF EXISTING DOMESTIC COLD WATER PIPING~~
- DEMOLITION OF 50K GALLON WASTEWATER TREATMENT PLANT APPURTENANCES
- DEMOLITION OF ABANDONED TANKS (5 TOTAL)
- ~~INSTALLATION OF PROPOSED DOMESTIC COLD WATER PIPING~~
- INSTALLATION OF 50K GALLON WASTEWATER TREATMENT PLANT APPURTENANCES
- INSTALLATION OF CONDUIT AND FEEDERS FOR FUTURE POWER SOURCE SWITCHOVER
- INSTALLATION OF UTILITIES FOR GAC TANK

PHASE 2:

PHASE 2 CONSTRUCTION INCLUDES

- INSTALLATION OF NEW DOMESTIC WATER PUMPS
- INSTALLATION OF NEW FIRE WATER PUMP
- INSTALLATION OF UV LIGHT / DISINFECTION SYSTEM
- INSTALLATION OF ELECTRICAL SWITCHGEAR, TRANSFORMER
- DEMOLITION OF EXISTING CAMPUS SUBSTATION

IID GRID
WATER TREATMENT PLANT
WASTEWATER TREATMENT PLANT
OWNER SUBSTATION

ABBREVIATIONS

&	AND	HT	HEIGHT
@	AT	HVAC	HEATING, VENTILATION, & AIR CONDITIONING
℄	CENTER LINE		
⅊	PLATE, PROPERTY LINE	HW	HOT WATER
AB	ANCHOR BOLT	IN	INCH
ACC	ACCESSIBLE	INSP	INSPECTION / INSPECTOR
ACST	ACOUSTIC	INSTL	INSTALL / INSTALLED
ADD	ADDENDUM	INT	INTERIOR
ADJ	ADJACENT	JST	JOIST
AFF	ABOVE FINISH FLOOR	JT	JOINT
AL/ALUM	ALUMINUM	LB	POUND
ALT	ALTERNATE	LF	LINEAR FOOT
AP	ACCESS PANEL	LG	LONG
APX	APPROXIMATE	LS	LAG SCREW
ARCH	ARCHITECTURAL	LT	LIGHT
AVG	AVERAGE	MAS	MASONRY
BD	BOARD	MAX	MAXIMUM
BLDG	BUILDING	MB	MACHINE BOLT
BLK	BLOCK	MECH	MECHANICAL
BLKG	BLOCKING	MIN	MINIMUM
BLW	BELOW	MISC	MISCELLANEOUS
BM	BEAM	MO	MASONRY
BN	BOUNDARY NAIL	MANUF	MANUFACTURER
BO	BOTTOM OF	MT	METAL
BRDG	BRIDGING	NIC	NOT IN CONTRACT
BTWN	BETWEEN	NOM	NOMINAL
CD	CONDENSATE DRAIN	NTS	NOT TO SCALE
CF	CUBIC FOOT	OC	ON CENTER
CHAM	CHAMFER	OD	OVERFLOW DRAIN
CJ	CONTROL JOINT	OH	OPPOSITE HAND
CLG	CEILING	OPNG	OPENING
CLK	CAULK	OPP	OPPOSITE
CLKG	CAULKING	PERP	PERPENDICULAR
CLR	CLEAR	PLYWD	PLYWOOD
CMU	CONCRETE MASONRY UNIT	PNL	PANEL
CNTR	CENTER	PREFAB	PREFABRICATED
CO	CLEAN OUT	PSF	POUNDS PER SQUARE FOOT
COL	COLUMN	PSI	POUNDS PER SQUARE INCHES
CONC	CONCRETE	PT	PRESSURE TREATED
CONN	CONNECTION	PVC	POLYVINYL CHLORIDE
CONT	CONTINUOUS	RAD	RADIUS
CW	COLD WATER	RD	ROOF DRAIN
DBL	DOUBLE	REF	REFERENCE
DEG	DEGREE	REINF	REINFORCED / REINFORCING
DEMO	DEMOLITION	REQD	REQUIRED
DEP	DEPRESSION	REV	REVISION
DET	DETAIL	RF	ROOF
DF	DRINKING FOUNTAIN	RFTR	RAFTER
DIA	DIAMETER	RH	ROOF HATCH
DIAG	DIAGONAL	RM	ROOM
DIM	DIMENSION	RO	ROUGH OPENING
DN	DOWN	SCHED	SCHEDULE
DIV	DIVISION	SEC	SECTION
DN	DOWN	SF	SQUARE FOOT
DWG	DRAWING	SHT	SHEET
DWL	DOWEL	SHTG	SHEATHING
EA	EACH	SIM	SIMILAR
EJ	EXPANSION JOINT	SMS	SHEET METAL SCREW
EL	ELEVATION	SPEC	SPECIFICATION
ELEC	ELECTRICAL	SQ	SQUARE
EN	EDGE NAIL	SS	STAINLESS STEEL
EQ	EQUAL	STAGG	STAGGERED
EQUIP	EQUIPMENT	STD	STANDARD
(E)	EXISTING	STIFF	STIFFENER
EXT	EXTERIOR	STL	STEEL
FACP	FIRE ALARM CONTROL PANEL	STRUCT	STRUCTURAL
FD	FLOOR DRAIN	STS	SELF TAPPING SCREW
FDN	FOUNDATION	SUSP	SUSPENDED
FF	FINISH FLOOR	SYM	SYMMETRICAL
FE	FIRE EXTINGUISHER	SYS	SYSTEM
FIN	FINISH	T & B	TOP AND BOTTOM
FLR	FLOOR	T & G	TONGUE AND GROOVE
FN	FIELD NAIL	TEMP	TEMPORARY
FO ____	FACE OF ____	THK	THICK
FRM	FRAMING	THKND	THICKENED
FRT	FIRE RETARDANT TREATED	THRU	THROUGH
FT	FEET / FOOT	TO ____	TOP OF ____
FTG	FOOTING	TYP	TYPICAL
G	GAS	UNO	UNLESS NOTED OTHERWISE
GA	GAUGE	VCT	VINYL COMPOSITION TILE
GALV	GALVANIZED	VERT	VERTICAL
GI	GALVANIZED IRON	VTR	VENT TROUGH ROOF
GLB	GLU-LAMINATED BEAM	W/	WITH
GRD	GRADE	W/O	WITHOUT
GYP BD	GYPSUM BOARD	WD	WOOD
HB	HOSE BIBB	WIN	WINDOW
HD	HOLDOWN	WPJ	WEAKENED PLANE JOINT
HDR	HEADER	WT	WEIGHT
HGR	HANGER	WWF	WELDED WIRE FABRIC
HORIZ	HORIZONTAL		

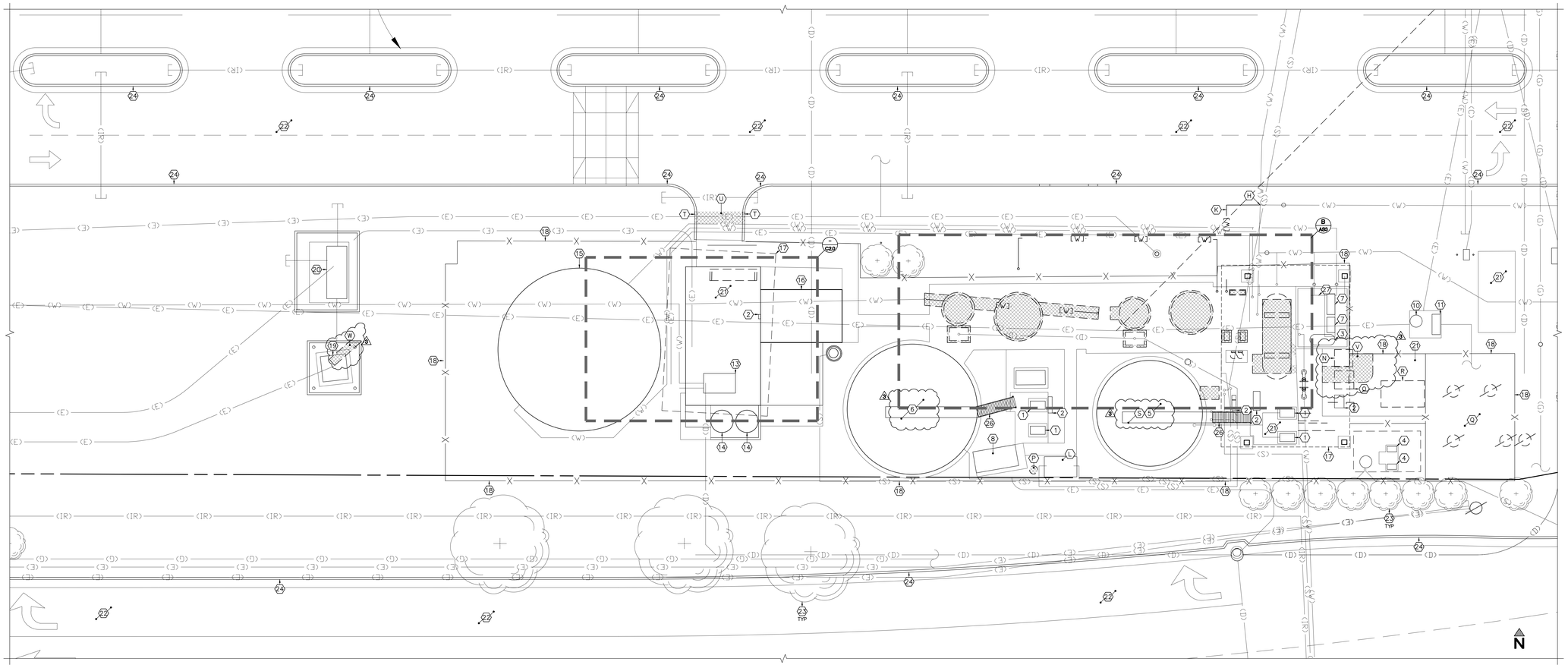
SANDERS, inc
ARCHITECTURE | ENGINEERING
1102 Industry Way | El Centro, CA 92243 | 760-353-5440 | sanders-inc.com

Project Title
IMPERIAL VALLEY COLLEGE
WATER & WASTEWATER PLANT IMPROVEMENTS

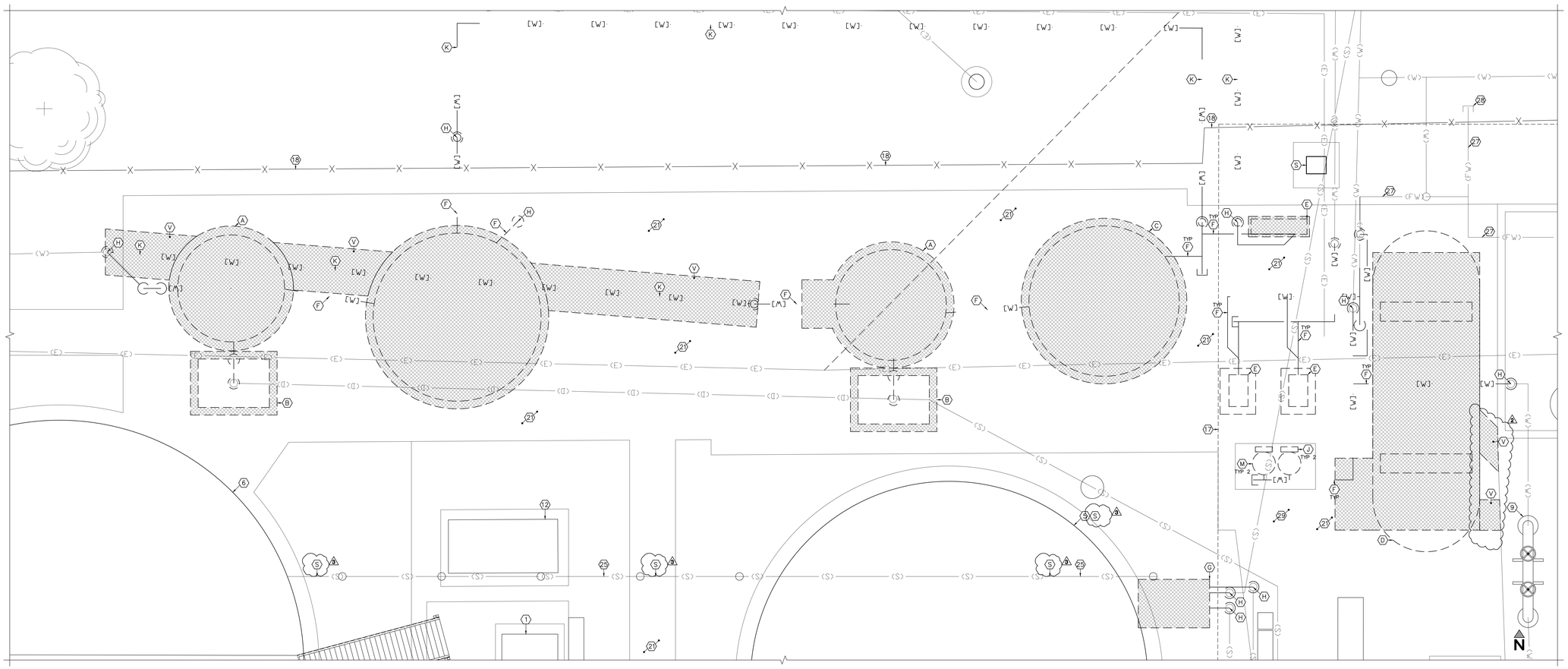
Sheet Title
TITLE SHEET - GENERAL NOTES

LICENSED ARCHITECT — JIMMIE SANDERS — C-7644 — STATE OF CALIFORNIA

Document Date	Project Number
2025-10-17	25-281V
Date Last Revised	
2025-10-29	
Sheet Number	
AD-03_T	



SITE SURVEY AND DEMOLITION PLAN — SCALE: 1" = 10'-0" — A



ENLARGED SITE SURVEY AND DEMOLITION UTILITY PLAN — SCALE: 3/8" = 1'-0" — B

APPROVALS

KEYNOTES:

1. EXISTING SEWER PLANT BLOWER TO REMAIN – PROTECT
2. EXISTING ELECTRICAL DISTRIBUTION PANEL TO REMAIN – PROTECT
3. EXISTING FIRE PUMP OIL TANK TO REMAIN – PROTECT
4. EXISTING EFFLUENT WATER PUMP TO REMAIN – PROTECT
5. EXISTING 50K GALLON PACKAGE SEWER PLANT TANK TO REMAIN – PROTECT
6. EXISTING 100K GALLON PACKAGE SEWER PLANT TANK TO REMAIN – PROTECT
7. EXISTING FIRE PUMP AND FIRE PUMP CONTROL PANEL TO REMAIN – PROTECT
8. EXISTING STORAGE CONTAINER TO REMAIN – PROTECT
9. EXISTING BACKFLOW PREVENTER SERVING MUSEUM TO REMAIN – PROTECT
10. EXISTING ELECTRICAL UTILITY VAULT – PROTECT
11. EXISTING SECTOR BOX TO REMAIN – PROTECT
12. EXISTING BACK–UP GENERATOR TO REMAIN – PROTECT
13. EXISTING PACKAGE WATER TREATMENT PLANT TO REMAIN – PROTECT
14. EXISTING FILTERED WATER STORAGE TANK TO REMAIN – PROTECT
15. EXISTING 220K GALLON TREATED WATER STORAGE TANK TO REMAIN – PROTECT
16. EXISTING WATER TREATMENT BUILDING TO REMAIN – PROTECT
17. EXISTING METAL SHADE STRUCTURE TO REMAIN – PROTECT
18. EXISTING CHAIN–LINK FENCE TO REMAIN – PROTECT
19. EXISTING IID TRANSFORMER TO REMAIN – PROTECT
20. EXISTING SWITCHBOARD TO REMAIN – PROTECT
21. EXISTING SITE CONCRETE TO REMAIN – PROTECT
22. EXISTING AC PAVING TO REMAIN – PROTECT
23. EXISTING TREE / SHRUB TO REMAIN – PROTECT
24. EXISTING CURB / CURB & GUTTER TO REMAIN – PROTECT
25. EXISTING OVERHEAD SEWER PIPING AND SUPPORTS TO REMAIN – PROTECT
26. EXISTING METAL STAIRS AND CATWALK TO REMAIN – PROTECT
27. EXISTING FIRE WATER EXPOSED PIPING INCLUDING VALVES AND FITTINGS TO REMAIN – PROTECT
28. EXISTING FIRE DEPARTMENT CONNECTION TO REMAIN – PROTECT
29. EXISTING UNISTRUT SUPPORTS FOR ELECTRICAL CONDUIT TO REMAIN – PROTECT

DEMOLITION KEYNOTES:

- (A) REMOVE EXISTING ABANDONED GRAVITY FILTER TANK. REMOVE CONCRETE PAD INCLUDING ALL ASSOCIATED EXPOSED PIPING. CAP AND SEAL PIPING FLUSH TO GRADE
- (B) REMOVE EXISTING WASH WATER SUMP. REMOVE CONCRETE WALLS. DRAIN TO REMAIN
- (C) REMOVE EXISTING ABANDONED DOMESTIC WATER GRAVITY STORAGE TANK. REMOVE CONCRETE PAD INCLUDING ALL ASSOCIATED EXPOSED PIPING. CAP AND SEAL PIPING FLUSH TO GRADE.
- (D) REMOVE EXISTING ABANDONED HYDRO–PNEUMATIC TANK. REMOVE CONCRETE FOOTING INCLUDING ALL ASSOCIATED EXPOSED PIPING. CAP AND SEAL PIPING FLUSH TO GRADE
- (E) REMOVE EXISTING DOMESTIC WATER PUMP INCLUDING CONCRETE PAD.
- (F) REMOVE EXISTING EXPOSED DOMESTIC WATER PIPING INCLUDING ALL ASSOCIATED APPURTENANCES (I.E. VALVES, FITTINGS, SWITCHES). CAP AND SEAL PIPING AT FLUSH GRADE
- (G) REMOVE EXISTING 50K GALLON SEWER PACKAGED PLANT DIVERSION BOX. REMOVE PIPING RISERS. CAP AND SEAL PIPING FLUSH TO GRADE FOR FUTURE FOC
- (H) POINT OF DISCONNECT. CAP LINE FOR FUTURE POINT OF CONNECTION
- (J) REMOVE EXISTING DOMESTIC WATER PUMP VFD
- (K) REMOVE EXISTING UNDERGROUND PIPING
- (L) REMOVE EXISTING DISINFECTANT UV LIGHT SYSTEM. ENCLOSURE TO REMAIN.
- (M) REMOVE EXISTING DOMESTIC WATER EXPANSION TANK
- (N) REMOVE EXISTING ELECTRICAL OIL FUSED SWITCHBOARD. CONTRACTOR IS RESPONSIBLE FOR ABATEMENT / HAZARDOUS MATERIAL REMOVAL
- (O) REMOVE EXISTING PRIVATE ELECTRICAL TRANSFORMER
- (P) REMOVE EXISTING CHLORINE FILTER TANK
- (Q) REMOVE EXISTING ELECTRICAL SUB–STATION. COORDINATE W/ IID
- (R) REMOVE EXISTING ELECTRICAL MAIN DISTRIBUTION PANEL
- (S) REMOVE COATING FROM WASTEWATER PLANT INTERIOR AND EXTERIOR SURFACE AND ASSOCIATED COMPONENTS PER SSPC–SP10 NACE 2 STANDARD
- (T) REMOVE PORTION OF EXISTING CONCRETE CURB
- (U) REMOVE PORTION OF EXISTING ASPHALT. FIELD VERIFY EXACT LOCATION
- (V) REMOVE PORTION OF EXISTING SITE CONCRETE
- (W) REMOVE PORTION OF EXISTING TRANSFORMER CONCRETE PAD

LEGEND:

- CONCRETE / ASPHALT TO BE REMOVED
- 10.90 — BENCH MARK: TOP OF NORTHEAST CORNER OF TRANSFORMER PAD LOCATED NORTH OF THE MAINTENANCE BUILDING
- 10.90 (10.90 FL) — EXISTING ELEVATION (SITE CONCRETE UNO)
- FIRE HYDRANT
- IRRIGATION HYDRANT
- POWER POLE
- NS — NATURAL SOIL
- TC — TOP OF CURB
- FL — FLOW LINE
- (S) — (E) SEWER LINE
- (W) — (E) WATER LINE
- (FW) — (E) FIREWATER LINE
- (G) — (E) GAS LINE
- (E) — (E)ELECTRICAL LINE
- (C) — (E) COMMUNICATIONS LINE
- (IR) — (E) IRRIGATION LINE
- (D) — (E) STORM DRAIN LINE
- (TD) — (E) TILE DRAIN LINE

NOTES:

1. DEMOLITION KEYNOTES ARE NOT INTENDED TO SHOW ALL DEMOLITION REQUIRED FOR PROPOSED IMPROVEMENTS. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING IMPROVEMENTS/CONDITIONS REQUIRED TO COMPLETE WORK FOR PROPOSED IMPROVEMENTS.
2. CONTRACTOR SHALL ENCOUNTER EXISTING IRRIGATION LINES DURING DEMOLITION CONTRACTOR SHALL CAP LINE, AWAY FROM PROPOSED IMPROVEMENTS, AND NOTIFY ARCHITECT/SCHOOL DISTRICT.
3. CONTRACT SHALL REMOVE UTILITY PIPING AS INDICATED ON PLANS. ALL UNDERGROUND PIPING SHALL REMAIN IN PLACE. DISCONNECT AND CAP PIPING TO BE CONNECTED FOR FUTURE POINT OF CONNECTION.
4. CONTRACTOR SHALL REPAIR OR REPLACE ANY LINE BROKEN OR DAMAGED DURING COURSE OF PLACEMENT OF NEW LINES, CONSTRUCTION OF TRENCHING, OR HEAVY EQUIPMENT ON SITE AT NO COST TO OWNER.
5. PRIOR TO ANY EXCAVATION THE SITE SHALL BE VISITED BY A "DIG ALERT" COMPANY FOR THE PURPOSE OF LOCATING ALL UNDERGROUND UTILITY LINES.
6. CAP ALL STUBBED OUT CONDUIT FOR FUTURE.
7. PROVIDE PULL STRING FOR ALL CONDUIT.
8. ALL UTILITY LINES ARE EXISTING UNLESS NOTED OTHERWISE – PROTECT.
9. SAW CUT EXISTING SITE CONCRETE TO NEAREST CONTROL JOINT FOR PROPOSED UTILITIES. REPLACEMENT CONCRETE TO BE FLUSH.
10. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
11. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
12. CONTRACTOR IS REQUIRED TO HIRE SITE UTILITY IDENTIFIER CONTRACTOR PRIOR TO ANY EXCAVATION.

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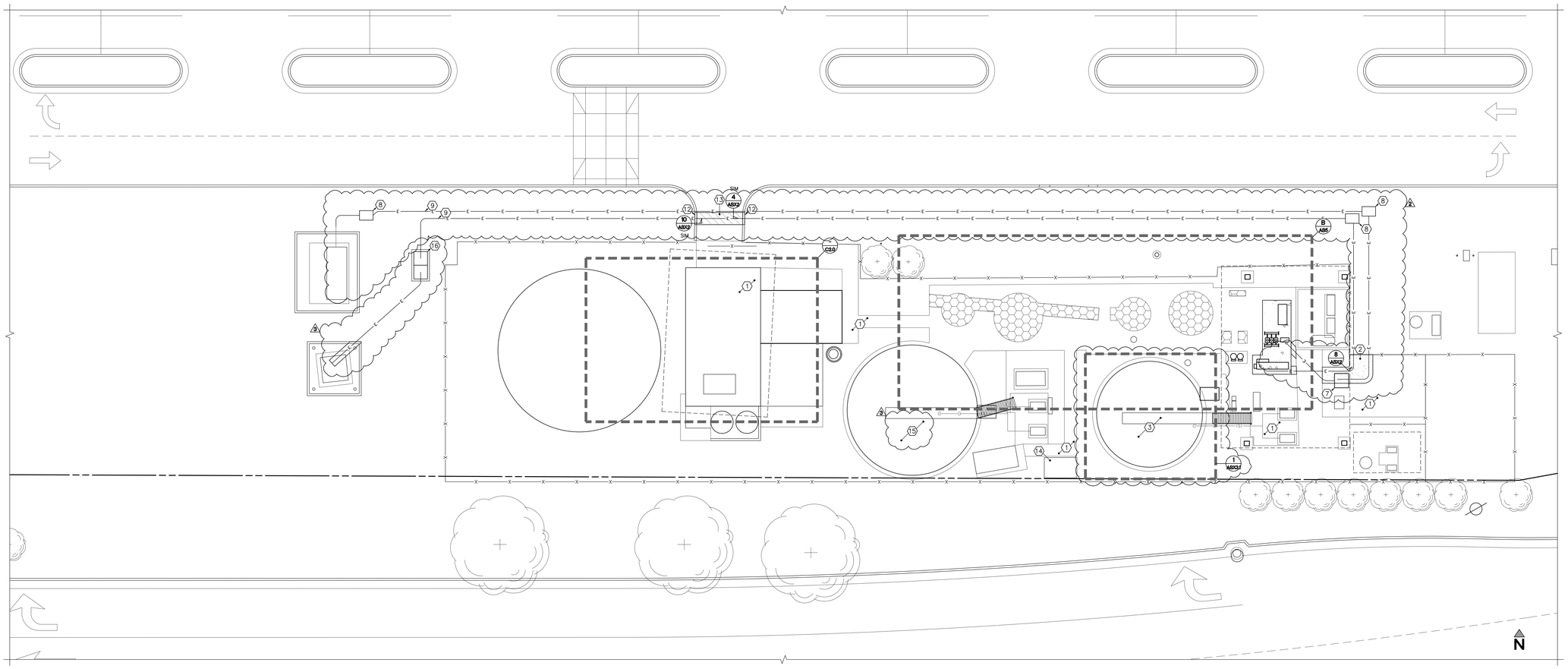
Project Title
IMPERIAL VALLEY COLLEGE
WATER & WASTEWATER PLANT IMPROVEMENTS

Sheet Title
SITE SURVEY AND DEMOLITION PLAN
DEMOLITION UTILITY PLAN

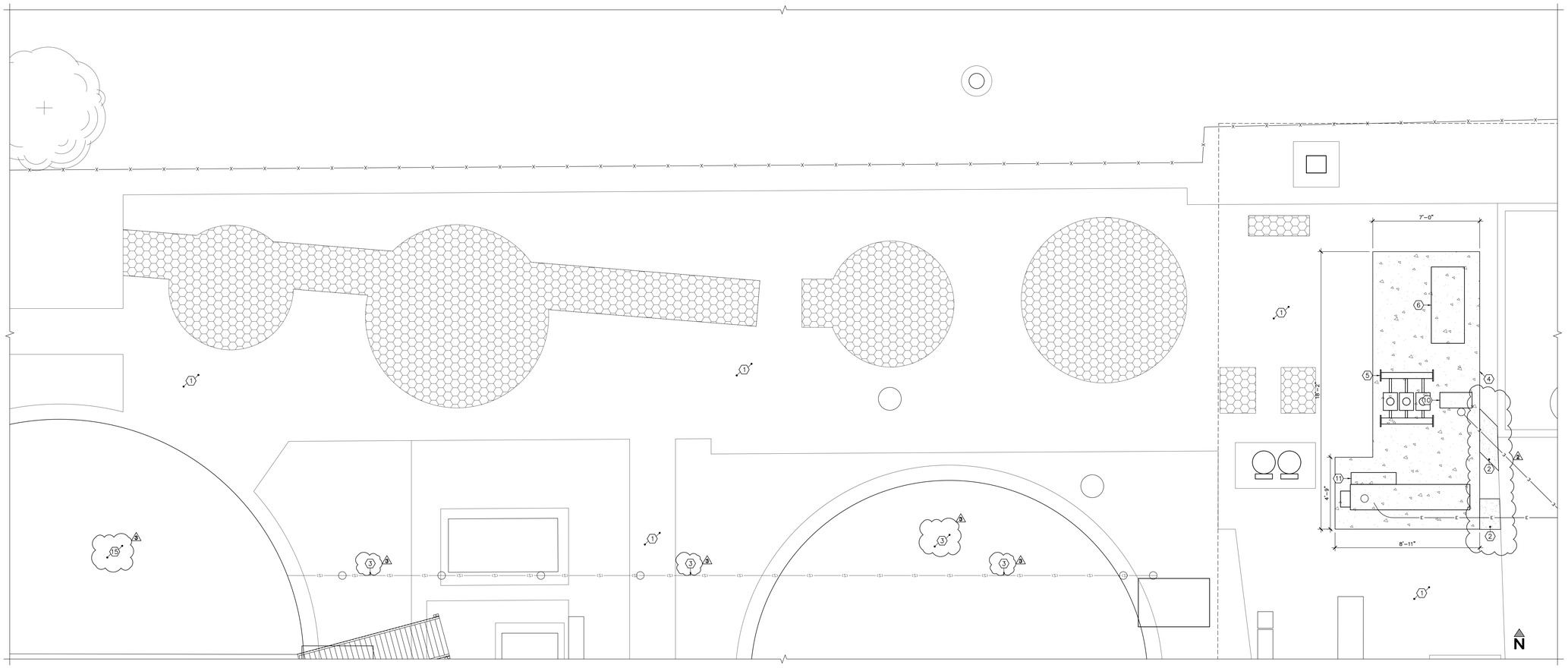
LICENSED ARCHITECT — JAMES SANDERS — 7644 — STATE OF CALIFORNIA

Document Date	Project Number
2025-10-17	25-281V
Date Last Revised	Sheet Number
2 2025-10-23	AD-03_AS3
3 2025-10-28	



HARDSCAPE

SCALE: 1" = 10'-0" | A



ENLARGEMENT

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

APPROVALS

KEYNOTES:

1. EXISTING CONCRETE WALK – PROTECT
2. 6" THICK CONCRETE WALK (1/A8X2)
3. PROVIDE SHERWIN WILLIAMS DURA-PLATE 6100 HIGH PERFORMANCE EPOXY W/ HIGH BUILD HARDENER B62VH8475. APPLY DRY FILM THICKNESS OF 275 MILS PER MANUF REQUIREMENTS TO 50K AND 100K GALLON PACKAGED WASTEWATER PLANT FOR INTERIOR AND EXTERIOR SURFACE AND ASSOCIATED COMPONENTS
4. PROVIDE NEW CONCRETE PAD PER (19/A8X2)
5. NEW DOMESTIC WATER PUMPS. REFER TO PLUMBING DRAWINGS
6. NEW FIRE WATER PUMP. REFER TO PLUMBING DRAWINGS
7. NEW PRIVATE ELECTRICAL TRANSFORMER. REFER TO ELECTRICAL DRAWINGS
8. PROVIDE CONCRETE UTILITY VAULT PER (18/A8X2)
9. NEW ELECTRICAL LINE. SEE ELECTRICAL DRAWINGS
10. NEW DOMESTIC WATER PUMP CONTROLLER. REFER TO PLUMBING DRAWINGS
11. NEW FIRE WATER PUMP CONTROLLER. REFER TO PLUMBING DRAWINGS
12. PROVIDE NEW CONCRETE CURB PER (10/A8X2)
13. PROVIDE NEW ASPHALT PAVING PER (3/A8X2)
14. NEW DISINFECTANT UV LIGHT SYSTEM. REFER TO PLUMBING DRAWINGS
15. EXISTING 100K GALLON WASTEWATER PLANT TO REMAIN – PROTECT (9)
16. NEW SWITCHGEAR. REFER TO ELECTRICAL DRAWINGS. ANHOR PER (30/A8X2)
17. NEW CONCRETE PAD PER (21/A8X2)

LEGEND:

- NEW SITE CONCRETE PER (1/A8X2)
- NEW CONCRETE PAD PER (1/A8X2)
- NEW CONCRETE CURB PER (19/A8X2)
- NEW AC PAVING PER (3/A8X2)
- NEW CLASS II BASE PER (20/A8X2)
- 10.90 — BENCH MARK: TOP OF NORTHEAST CORNER OF TRANSFORMER PAD LOCATED NORTH OF THE MAINTENANCE BUILDING
- 13.4 — EXISTING ELEVATION FROM AERIAL SURVEY
- 13.50 / 13.50 — EXISTING ELEVATION (SITE CONCRETE U.N.O.)
- 38.80 — PROPOSED ELEVATION (SITE CONCRETE U.N.O.)
- .02 — DIRECTION OF SLOPE w/ SLOPE NOTED
- (8) — RADIUS – NOTED IN DECIMAL FEET
- GB — GRADE BREAK
- SD — STORM DRAIN
- FIRE HYDRANT
- IRRIGATION HYDRANT
- UTILITY CLEAN OUT
- POWER POLE
- LIGHT STANDARDS – SEE ELECTRICAL DRAWINGS
- MANHOLE
- STORM DRAIN CATCH BASIN
- X — EXISTING CHAIN LINK FENCE

NS	NATURAL SOIL
TC	TOP OF CURB
FL	FLOW LINE
TB	TOP OF BENCH
TP	TOP OF PLANTER
PB	POLE BASE
D	DRAIN

- S — NEW SEWER LINE – SEE PLUMBING DRAWINGS
- V — NEW WATER LINE – SEE PLUMBING DRAWINGS
- G — NEW GAS LINE – SEE PLUMBING DRAWINGS
- E — NEW ELECTRICAL LINE – SEE ELECTRICAL DRAWINGS
- C — NEW COMMUNICATIONS LINE – SEE COMMUNICATION DRAWINGS
- D — NEW STORM DRAIN LINE – SEE HARDSCAPE
- CA — NEW COMPRESS AIR LINE – SEE PLUMBING DRAWINGS
- GV — NEW GREASE WASTE LINE – SEE PLUMBING DRAWINGS
- FV — NEW FIRE WATER LINE – SEE FIRE PROTECTION DRAWINGS

NOTES:

1. ALL DIMENSIONS ARE TO FACE OF CURB AND FACE OF STUD/CMU (U.N.O.).
2. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY DRAINAGE OF SITE. CONTRACTOR SHALL NOTIFY ARCHITECT, PRIOR TO CONSTRUCTION, ANY SITE CONCRETE WHICH WILL NOT PROPERLY DRAIN.
3. ALL CONTROL JOINTS TO BE SAW CUT.
4. ALL NATIVE SOIL REMOVED FOR CONSTRUCTION HARDSCAPE SHALL REMAIN ON SITE. CONTRACTOR SHALL USE NATIVE SOIL FOR FINISH GRADING.
5. MAXIMUM CROSS SLOPE AT ALL ACCESSIBLE PATHS OF TRAVEL IS 2%.
6. PROVIDE 1'-0" MIN. TOP SOIL AT ALL PLANTING AREAS.
7. PROVIDE TOP SOIL SLOPED AWAY FROM SITE CONCRETE AT 4:1 MAX. SLOPE, TYP. FOR ENTIRE PROJECT.
8. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
10. BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK.
11. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HERON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
12. ACCURATE VERIFICATIONS AS TO SIZE LOCATION AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL NOTIFY THE SOUTHER CALIFORNIA GAS COMPANY, AT&T, IMPERIAL IRRIGATION DISTRICT, GOLDEN STATE WATER COMPANY, AND ANY OTHER AFFECTED UTILITY AGENCIES PRIOR TO STARTING WORK NEAR SUCH UTILITY FACILITIES. WHEN ALL CORDONA TE WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT" AT 811.
13. CONTRACTOR IS REQUIRED TO HIRE SITE UTILITY IDENTIFIER CONTRACTOR PRIOR TO ANY EXCAVATION.

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Sheet Title
HARDSCAPE

LICENSED ARCHITECT JIMMIE D. SANDERS C-7644 EXPIRES 12-31-26 STATE OF CALIFORNIA

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Date Last Revised	Sheet Number
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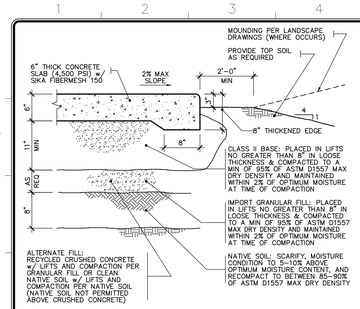
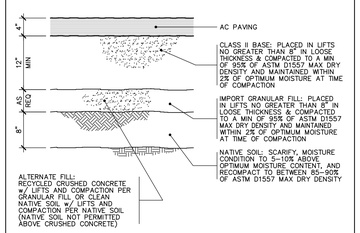
2025-10-29	

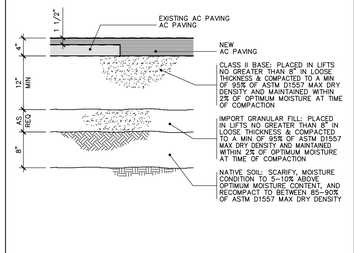


SITE CONCRETE SECTION — SCALE: 1" = 1'-0" — 1

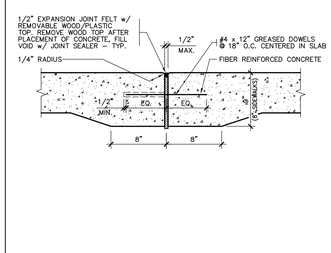
NOT USED — 2



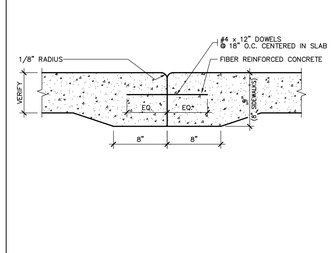
4" AC PAVING SECTION — SCALE: 1" = 1'-0" — 3



NEW TO EXISTING AC PAVING — SCALE: 1" = 1'-0" — 4

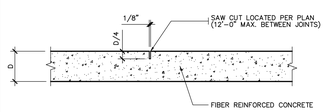


EXPANSION JOINT — SCALE: 1 1/2" = 1'-0" — 5



CONSTRUCTION JOINT — SCALE: 1 1/2" = 1'-0" — 6

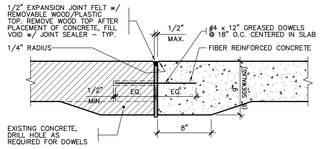
APPROVALS



NOTE:

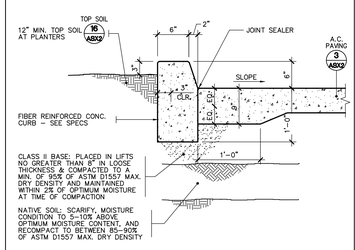
SLAB MUST BE CUT WITHIN 8 HOURS OF PLACEMENT OF CONCRETE OR CONCRETE WILL BE REJECTED

CONTROL JOINT, SAW CUT — SCALE: 1 1/2" = 1'-0" — 7



NEW TO EXISTING CONCRETE — SCALE: 1 1/2" = 1'-0" — 8

NOT USED — 9

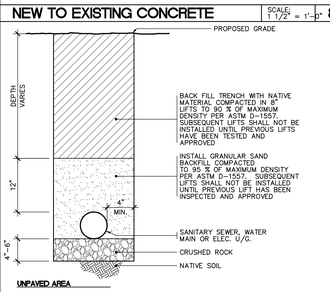


CURB AT PAVING — SCALE: 1" = 1'-0" — 10

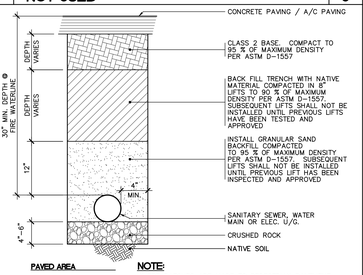
NOT USED — 11

NOT USED — 12

NOT USED — 13



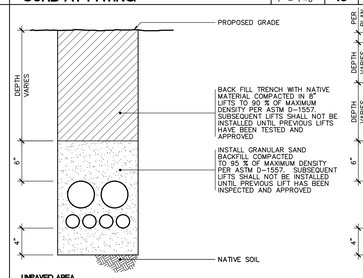
TYPICAL TRENCH DETAIL — SCALE: N.T.S. — 14

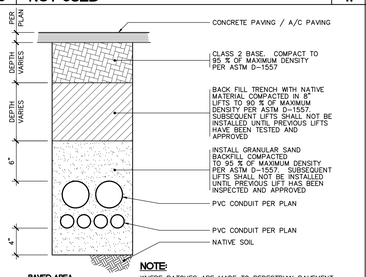


NOTE:

WHERE PATCHES ARE MADE TO PEDESTRIAN PAVEMENT, THESE SHALL COMPLY WITH CBC 11B-303 AND 11B-302.1

TYPICAL TRENCH DETAIL — SCALE: N.T.S. — 15

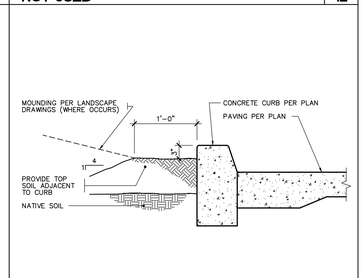


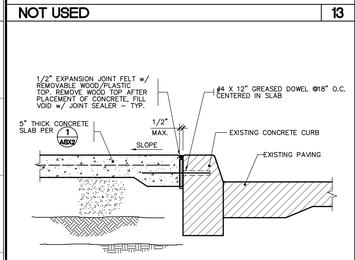


NOTE:

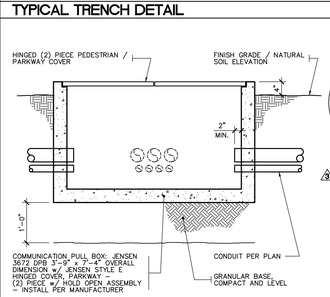
WHERE PATCHES ARE MADE TO PEDESTRIAN PAVEMENT, THESE SHALL COMPLY WITH CBC 11B-303 AND 11B-302.1

TOP SOIL AT CURBS — SCALE: 1" = 1'-0" — 16

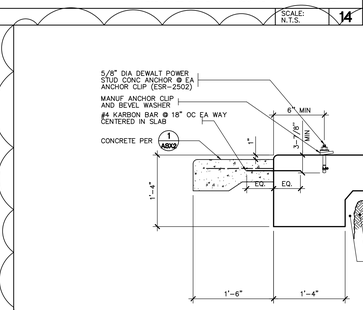




NEW TO EXISTING CURB — SCALE: 1" = 1'-0" — 17



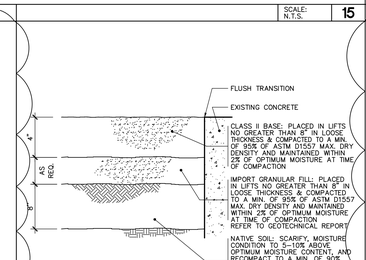
VAULT DETAIL — SCALE: 1" = 1'-0" — 18



NOTE:

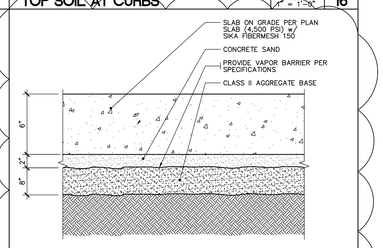
COORDINATE w/ ELECTRICAL CONTRACTOR FOR CONDUIT PLACEMENT PRIOR TO CONCRETE POUR

FIRE PUMP AND DOM. WATER PUMPS CONCRETE PAD — SCALE: 1" = 1'-0" — 19

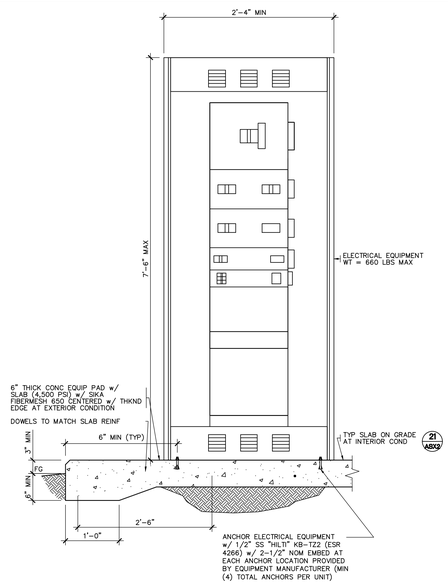


NOTE:
CLASS II BASE SHALL COMPLY WITH CALTRANS STANDARD SPECIFICATION SECTION 25-1.02B

CLASS II BASE — SCALE: 1" = 1'-0" — 20



TYPICAL SLAB ON GRADE — SCALE: NTS — 21



ELECTRICAL ANCHORAGE — SCALE: NTS — 30

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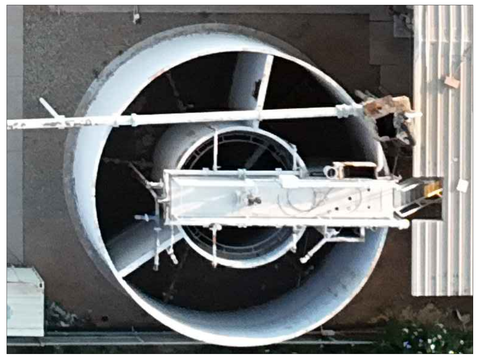
Sheet Title
TYPICAL SITE DETAILS

LICENSED ARCHITECT — JAMES SANDERS — C-7644 — EXPIRES 12-31-2027 — STATE OF CALIFORNIA

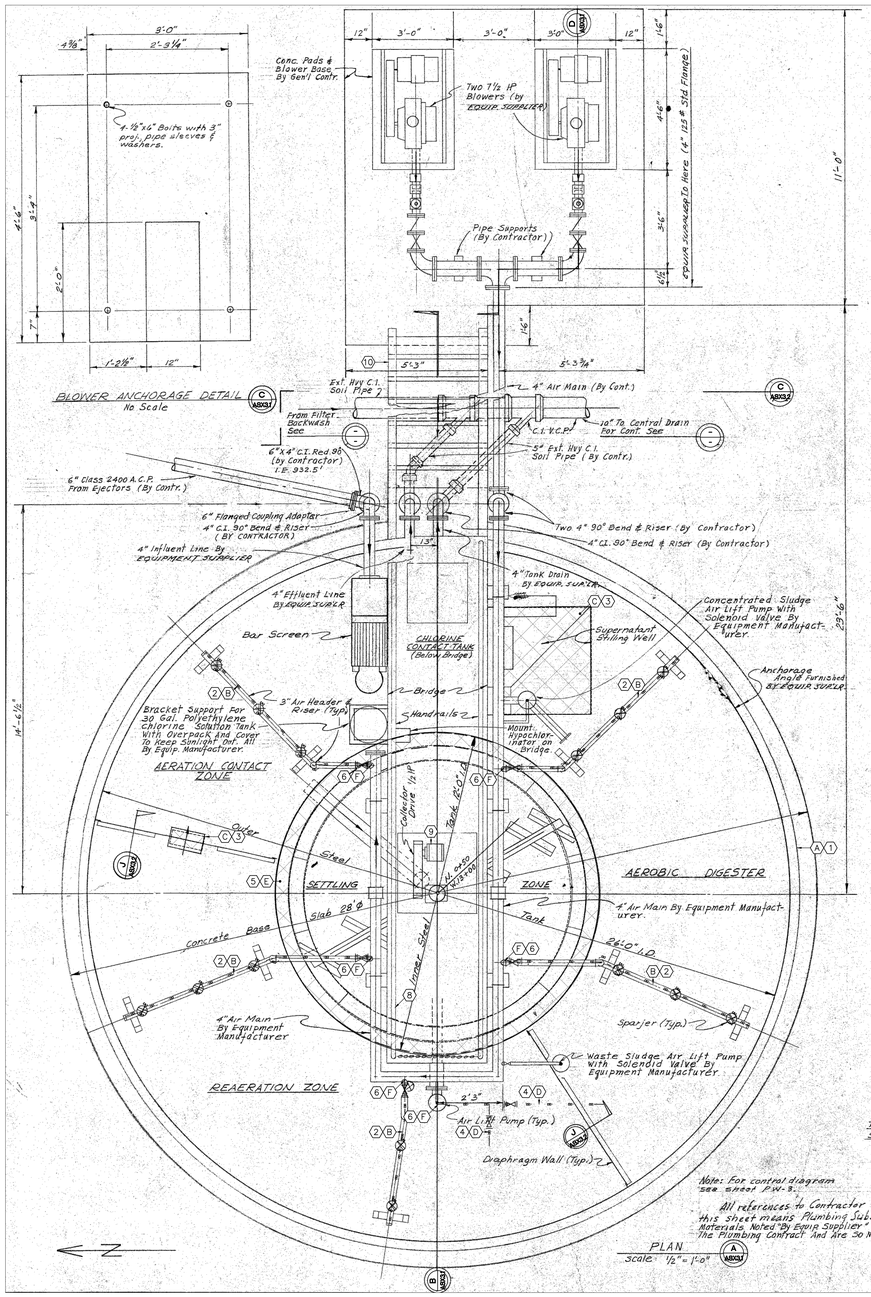
Document Date	Project Number
2025-10-17	25-281V
Date Last Revised	Sheet Number
1 2025-10-29	AD-03_ASX2

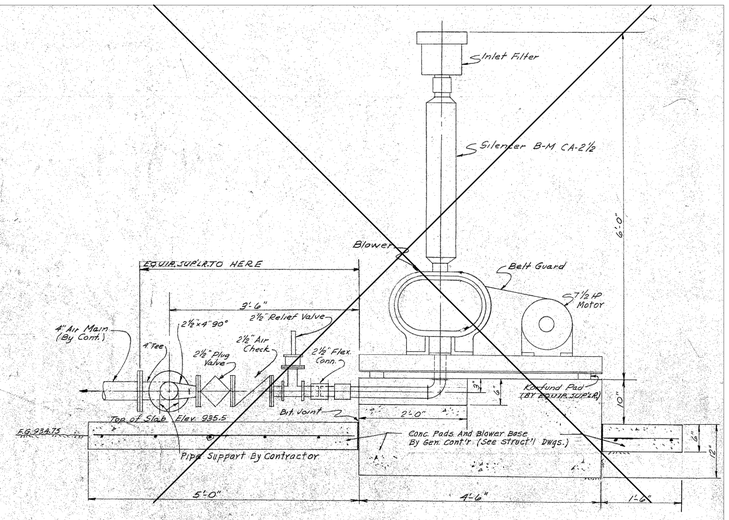


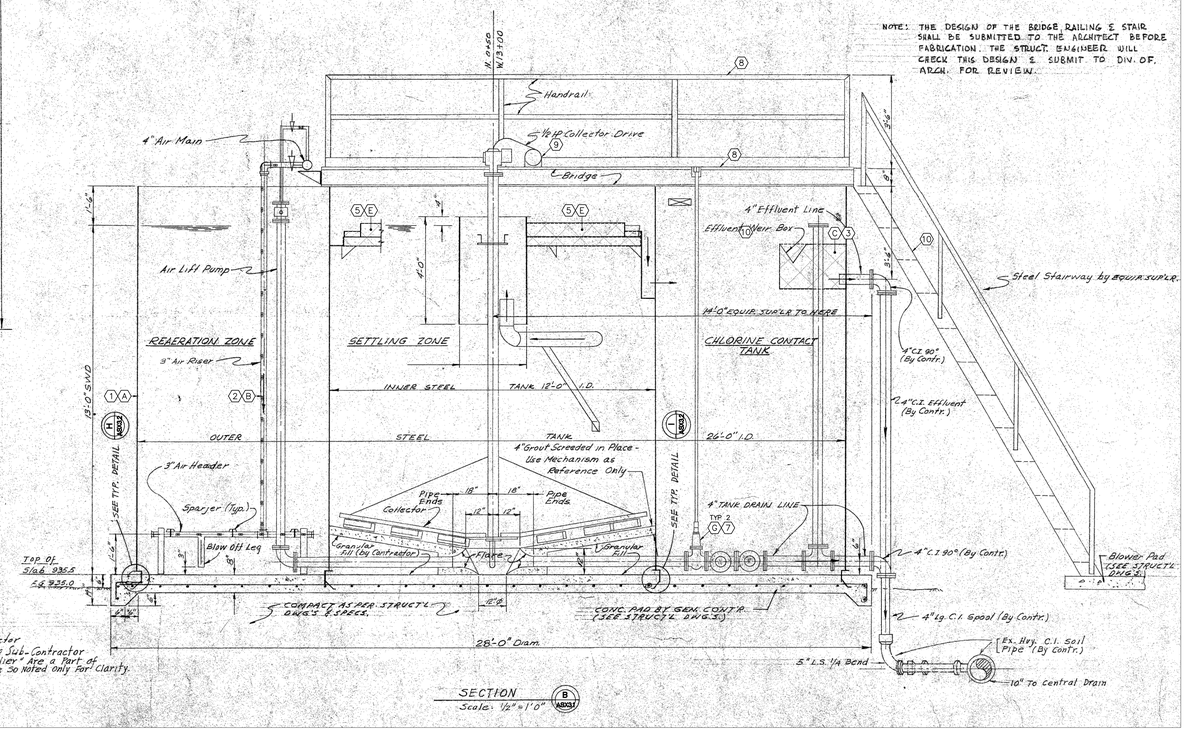
50k GALLON WASTEWATER PLANT - PICTURE | SCALE: NTS | 2

50k GALLON WASTEWATER PLANT - PICTURE | SCALE: NTS | 3

50k GALLON WASTEWATER PLANT - PICTURE | SCALE: NTS | 4







50k GALLON WASTEWATER PLANT - ENLARGED PLAN | SCALE: NTS | 1

APPROVALS

DEMOLITION KEYNOTES:

- (A) REMOVE COATING FROM WASTEWATER PLANT INTERIOR AND EXTERIOR SURFACE AND ASSOCIATED COMPONENTS PER SSPC-SP10 NACE 2 STANDARD.
- (B) REMOVE EXISTING CAST IRON PIPING, VALVE AND SPARJER. SEE 2/ASX3.1 4/ASX3.1
- (C) REMOVE EXISTING STEEL TRANSFER BOX. SEE 3/ASX3.1 4/ASX3.1 2/ASX3.1
- (D) REMOVE EXISTING 3" PVC PIPING AND VALVE. SEE 2/ASX3.1
- (E) REMOVE STEEL PLATES / SEPARATOR. SEE 2/ASX3.1
- (F) POINT OF DISCONNECT
- (G) REMOVE EXISTING VALVE

KEYNOTES:

1. PROVIDE SHERWIN WILLIAMS DURA-PLATE 6100 HIGH PERFORMANCE EPOXY W/ HIGH BUILD HARDENER B62VHB475. APPLY DRY FILM THICKNESS OF 275 MILS PER MANUF REQUIREMENTS TO 50K AND 100K GALLON PACKAGED WASTEWATER PLANT FOR INTERIOR AND EXTERIOR SURFACE AND ASSOCIATED COMPONENTS
2. PROVIDE CAST IRON PIPING, VALVE AND SPARJER. FIELD VERIFY SIZES
3. PROVIDE STEEL TRANSFER BOX. FIELD VERIFY SIZES
4. PROVIDE 3" PVC PIPING AND VALVE
5. PROVIDE STEEL PLATES / SEPARATOR
6. POINT OF CONNECTION
7. PROVIDE VALVE. FIELD VERIFY SIZE
8. EXISTING BRIDGE / HANDRAIL TO REMAIN – PROTECT
9. EXISTING PUMP TO REMAIN – PROTECT. PROVIDE SHEET METAL COVER.
10. EXISTING LADDER TO REMAIN – PROTECT.

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LICENSED ARCHITECT JAMES SANDERS 17644 STATE OF CALIFORNIA

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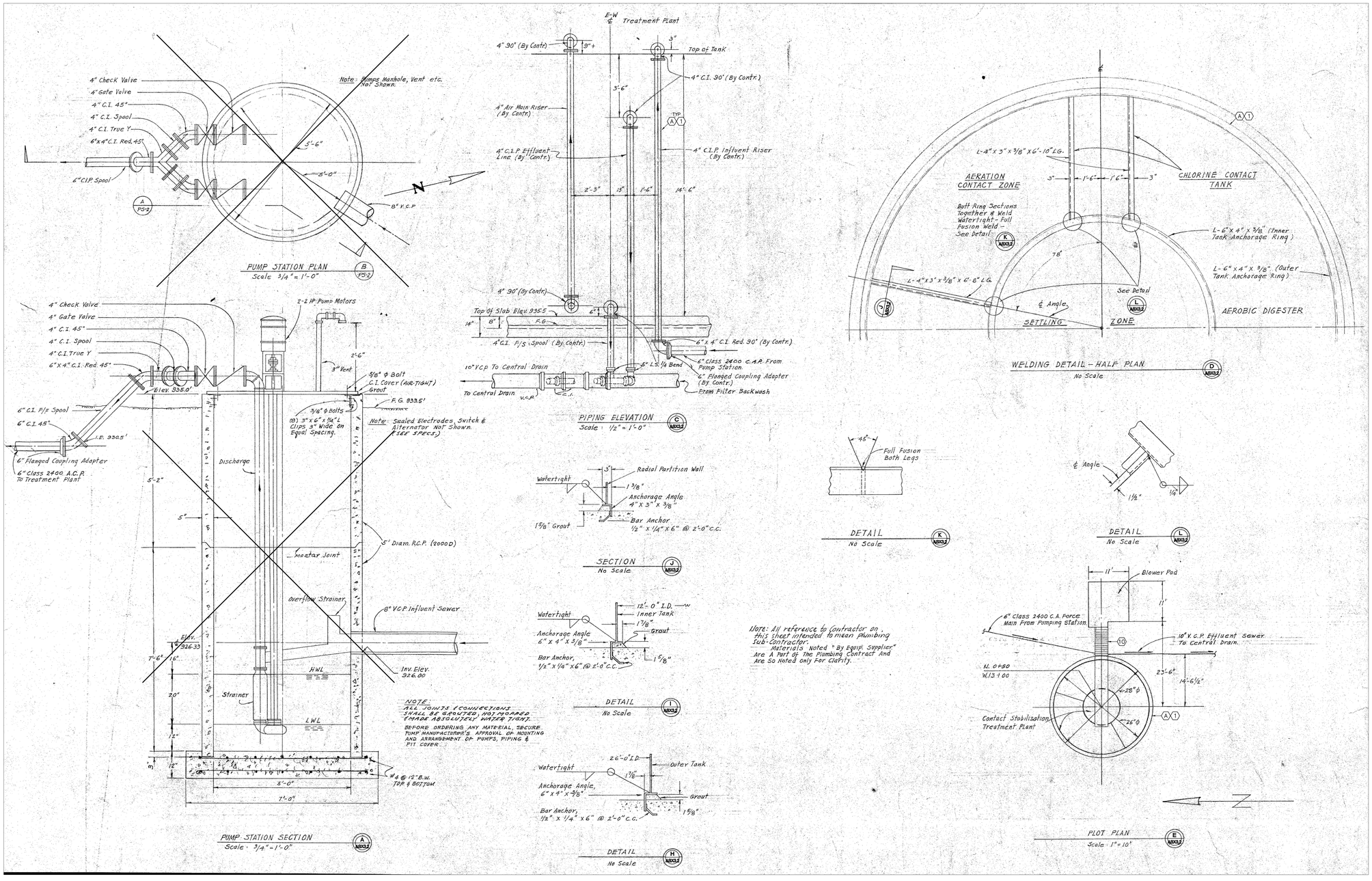
2025-10-17	25-281V
Date Last Revised: 2025-10-29	Sheet Number: ASX3.1



APPROVALS

DEMOLITION KEYNOTES:

(A) REMOVE COATING FROM WASTEWATER PLANT INTERIOR AND EXTERIOR SURFACE AND ASSOCIATED COMPONENTS PER SSPC-SP10 NACE 2 STANDARD

KEYNOTES:

(1) PROVIDE SHERWIN WILLIAMS DURA-PLATE 6100 HIGH PERFORMANCE EPOXY W/ HIGH BUILD HARDENER B62VHB475. APPLY DRY FILM THICKNESS OF 275 MILS PER MANUF REQUIREMENTS TO 50K AND 100K GALLON PACKAGED WASTEWATER PLANT FOR INTERIOR AND EXTERIOR SURFACE AND ASSOCIATED COMPONENTS

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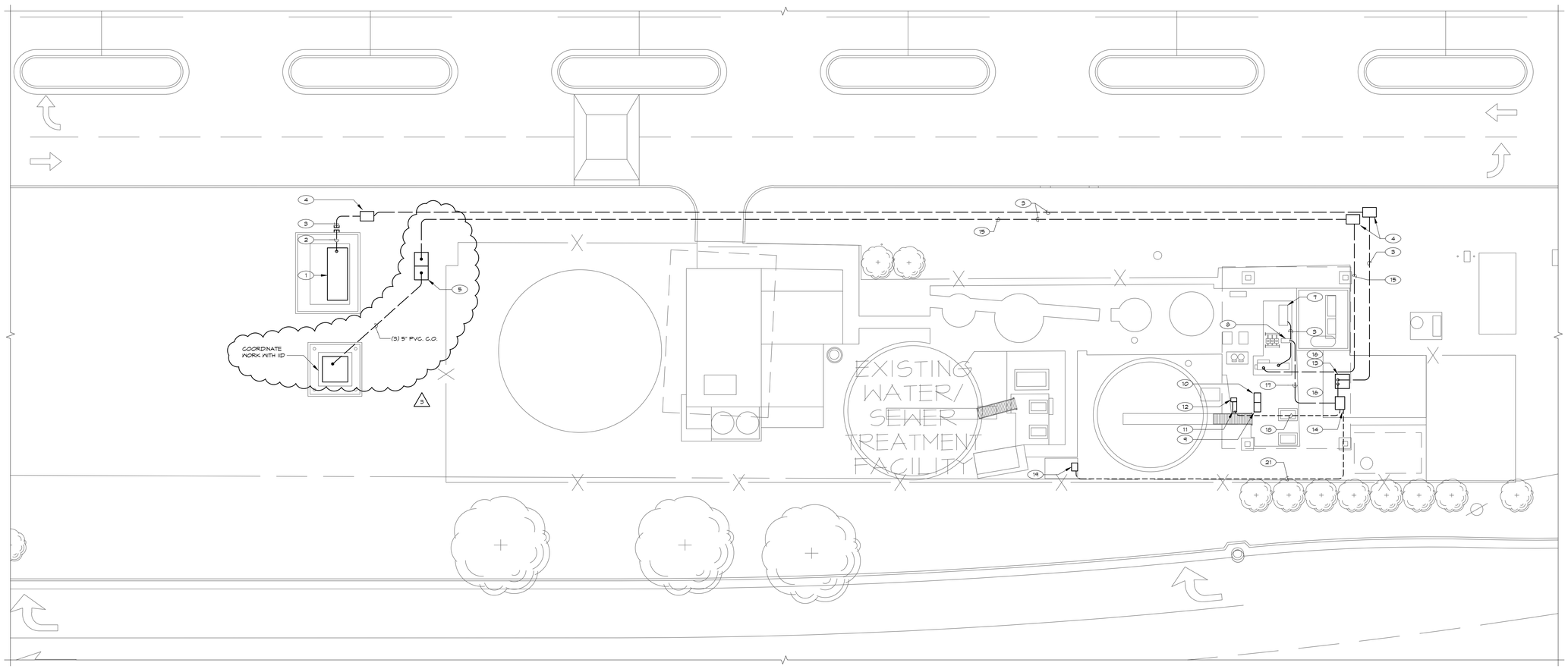
Date Last Revised	Sheet Number
2025-10-29	ASX3.2

LICENSED ARCHITECT JAMES L. SANDERS 7644 REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

SCALE: NTS 1

50k GALLON WASTEWATER PLANT - ENLARGED PLAN



ENLARGED WATER TREATMENT ELECTRICAL PLAN

SCALE: 1" = 10'-0"

NOTES

1. EXISTING MAIN SWITCHBOARD "MS"
2. EXISTING 4" PVC. C.O. STUB. EXTEND TO TRANSFORMER AS SHOWN, SEE SINGLE LINE
3. NEW FEEDER, SEE SINGLE LINE
4. 24" x 36" x 18" D. CONCRETE HANDHOLD
5. FIRE PUMP SERVICE, PROVIDE PERMANENT LABELING PER CEC (3)
6. NEW FIRE PUMP CONTROL PANEL
7. NEW FIRE PUMP
8. NEW PUMP SKID AND CONTROLLER
9. EXISTING MOTOR CONTROL CENTER "MCC-A"
10. EXISTING MOTOR CONTROL CENTER "MCC-B"
11. EXISTING MOTOR CONTROL CENTER "MCC-C"
12. EXISTING AUTOMATIC TRANSFER SWITCH
13. NEW 300 KVA, 277/480V, 3Ø DRY TYPE NEMA 3R TRANSFORMER
14. EXISTING DISTRIBUTION PANEL "DP"
15. SEPARATE FEEDERS BY 12", SLURRY FIRE PUMP FEEDERS
16. CUT AND PATCH CONCRETE IN THIS AREA AS REQUIRED
17. SEE SINGLE LINE FOR PUMP FEEDER
18. RE-FEED PANEL OVERHEAD
19. NEW THREE UV CONTROL PANELS STACKED, 2500W, 208V, 1Ø, EACH CONTROL PANEL. SEE PLUMBING DRAWINGS FOR ALL WIRING REQUIRE AT SYSTEM
20. EXISTING PANEL
21. NEW 1" EMT CONDUIT, VERIFY ROUTING

GENERAL NOTES

PROVIDE NEW LABELING FOR ALL EXISTING PANELS USED IN THIS SET OF DRAWINGS

REGISTERED PROFESSIONAL ENGINEER
GERALD L. KRUSE
No. E015691
Exp. 06-30-26
ELECTRICAL
STATE OF CALIFORNIA

APPROVALS

KRUSE & ASSOCIATES
LIGHTING AND ELECTRICAL DESIGN
10055 RANCHO CORTEZ DR. ROMIN, CA 93064
T: 858.525.0775 WWW.KRUSEASSOC.NET

SANDERS, inc
ARCHITECTURE | ENGINEERING
1102 Industry Way | El Centro, CA 92243 | 760-353-5440 | sanders-inc.com

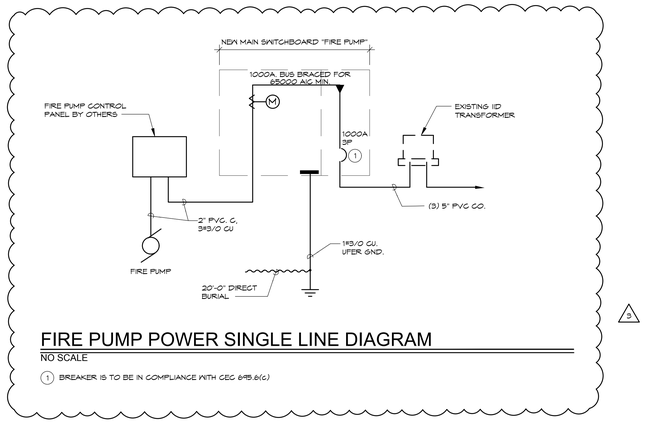
Project Title
IMPERIAL VALLEY COLLEGE
WATER & WASTEWATER PLANT IMPROVEMENTS PHASE I

Sheet Title
SITE ELECTRICAL PLAN

LICENSED ARCHITECT
JAMES A. SANDERS
No. 5000
STATE OF CALIFORNIA

Document Date	Project Number
2024-10-08	25-281V
Date Last Revised	Sheet Number
2025-10-23	AD-03_E102
2025-10-28	

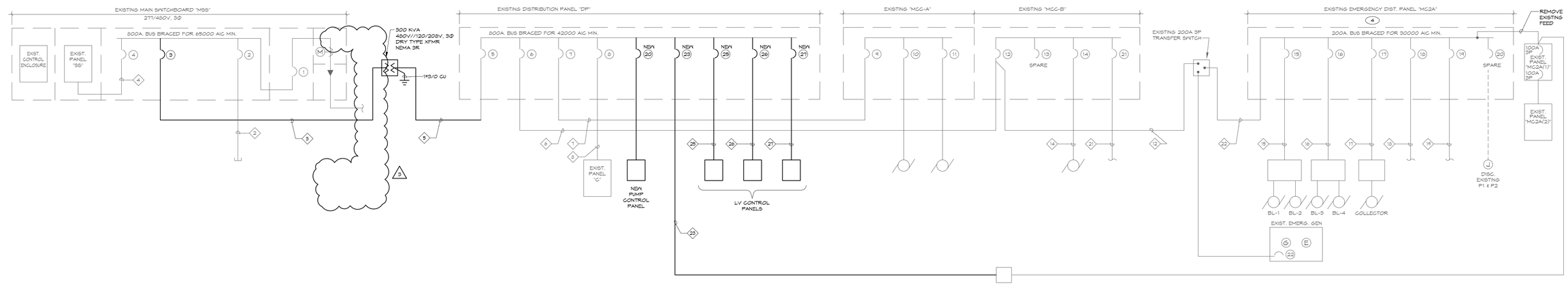
APPROVALS



FIRE PUMP POWER SINGLE LINE DIAGRAM

NO SCALE

(1) BREAKER IS TO BE IN COMPLIANCE WITH CEC 695.6(C)



POWER SINGLE LINE DIAGRAM

NO SCALE

	DEVICE NUMBER	C.B. OR S.W. SIZE	FUSE SIZE	FUSE TYPE	FEEDER NUMBER	CONDUITS & CONDUCTORS							
						CONDUIT TYPE	CONDUIT SIZE	CNDCTR. QUANTITY	CNDCTR. SIZE	CNDCTR. TYPE	GND. CU.	LENGTH	0/0 V.D.
EXIST	1	800A 3P	-	-	1	PVC	-	-	-	-	-	-	-
SPARE	2	800A 3P	-	-	2	PVC	(3) 4"	-	-	-	-	-	-
NEW	3	400A 3P	-	-	3	PVC	4"	3	3/0	CU	4	320'-0"	-
EXIST	4	100A 3P	-	-	4	-	-	4	2	CU	8	-	-
(BKR) EXIST	5	800A 3P	-	-	5	PVC.	(3) 4"	4	300 MCM (EA)	CU	3/0 (EA)	14'-0"	-
EXIST	6	200A 3P	-	-	6	PVC.	2"	4	3/0	CU	4	-	-
EXIST	7	200A 3P	-	-	7	PVC.	2"	4	3/0	CU	4	-	-
EXIST	8	200A 3P	-	-	8	PVC.	2"	4	3/0	CU	4	-	-
EXIST	9	250A 3P	-	-	9	-	-	-	-	-	-	-	-
EXIST	10	40A 3P	-	-	10	-	-	-	-	-	-	-	-
EXIST	11	100A 3P	-	-	11	-	-	-	-	-	-	-	-
EXIST	12	150A 3P	-	-	12	-	-	-	-	-	-	-	-
SPARE	13	100A 3P	-	-	13	-	-	-	-	-	-	-	-
EXIST	14	100A 3P	-	-	14	-	-	-	-	-	-	-	-
EXIST	15	50A 3P	-	-	15	PVC.	1 1/2"	3	6	CU	8	-	-
EXIST	16	100A 3P	-	-	16	PVC.	1 1/2"	3	2	CU	8	-	-
EXIST	17	15A 3P	-	-	17	EMT	1"	3	12	CU	12	-	-
EXIST	18	15A 3P	-	-	18	EMT	3/4"	2	12	CU	12	-	-
EXIST	19	15A 3P	-	-	19	EMT	3/4"	2	12	CU	12	-	-
NEW	20	125A 3P	-	-	20	EMT	1 1/2"	3	1/0	CU	6	-	-
EXIST	21	100A 3P	-	-	21	-	-	-	-	-	-	-	-
EXIST	22	150A 3P	-	-	22	-	-	-	-	-	-	-	-
EXIST/NEW	23	100A 3P	-	-	23	-	2"	4	1/0	CU	6	-	-
(3)	24	-	-	-	24	-	-	-	-	-	-	-	-
NEW	25	20A 2P	-	-	25	EMT	1"	6	12	CU	12	-	-
NEW	26	20A 2P	-	-	26	EMT	1"	6	12	CU	12	-	-
NEW	27	20A 2P	-	-	27	EMT	1"	6	12	CU	12	-	-

FEED IN SAME CONDUIT

LOAD RECAP "MC2A"

BL-1	8712 VA	(NON SIMULTANEOUS)
BL-2	8712 VA	(NON SIMULTANEOUS)
BL-3	16560 VA	
BL-4	16560 VA	
LARGEST MOTOR (25%)	4140 VA	
MISC. LOADS	3000 VA	
TOTAL	40280 VA	112 A @ 120/208, 3Φ

NOTES

1. FIRE PUMP TAP SHALL COMPLY WITH CEC 230.82 (5)
2. PROVIDE DISCONNECING MEANS IN COMPLIANS WITH CEC 695.4 (3)
3. PROVIDE LABELING AS REQUIED IN 230.2
4. PROVIDE RED PLAQUE ON PANEL STATING THE FOLLOWING: "BREAKER FOR BL-1 & BL-2 ARE NON-SIMULTANEOUS WITH BREAKER FOR BL-2 & BL-3. PROVIDE LOCK TO USE ON LOCK-OUT BREAKER TO ABOVE FUNCTION"

KRUSE & ASSOCIATES
LIGHTING AND ELECTRICAL DESIGN
10055 MIRAMAR CENTRE DR. IOLMIN, CA. 92004
P. 858.676.0776 WWW.KRUSEKRTOC.NET

SANDERS, inc
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Sheet Title
SINGLE LINE DIAGRAM

Document Date	Project Number
2024-10-08	25-281V
Date Last Revised	Sheet Number
2025-10-23	AD-03_E201
2025-10-28	