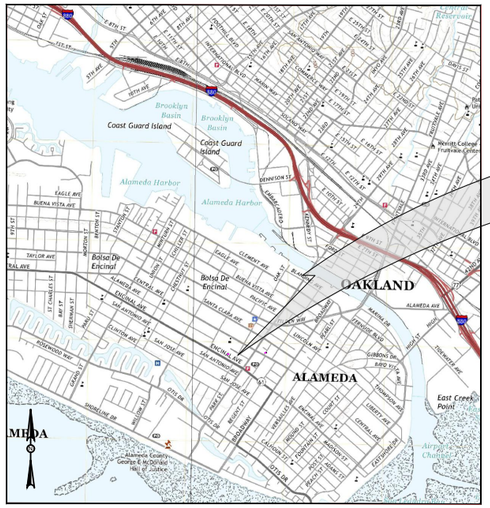
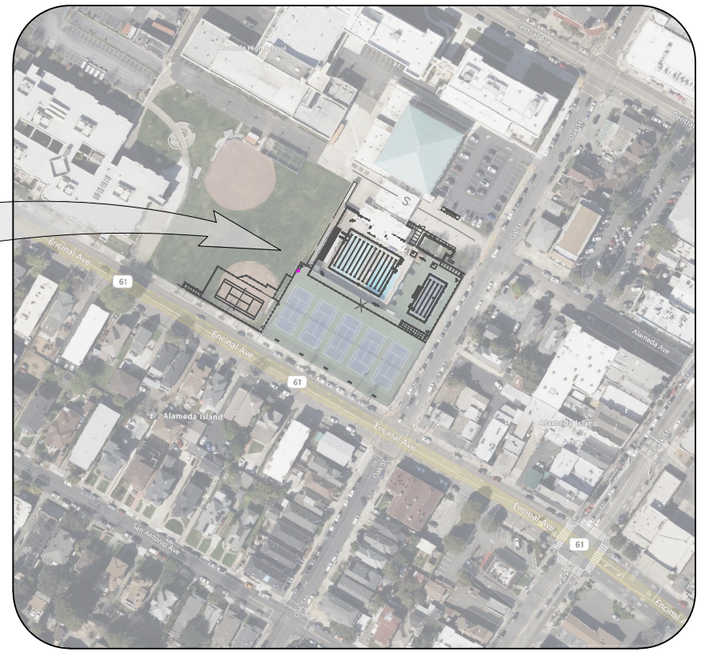
PLOTTED: 6/20/2025 8:42 AM BY: jeff sala
LAYOUT: SH1
CAD FILE: C:\Users\JSala\OneDrive - Kleinfelder\CADD\25002610.001A - AUSD Dewatering\25002610.dwg



LOCATION MAP
Not to Scale



PROJECT LOCATION
Not to Scale

SHEET INDEX	
FIGURE NO.	*SHEET TITLE*
1	*COVER SHEET*
2	*SITE PLAN*
3	*DEWATERING SYSTEM COMPONENTS*
4	*WATER TREATMENT SYSTEM*

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

LICENSED PROFESSIONAL ENGINEER
JEREMY P SCOTT C 96748 EXP. 12/31/26 CIVIL STATE OF CALIFORNIA

06/30/2025
APPROVAL DATE

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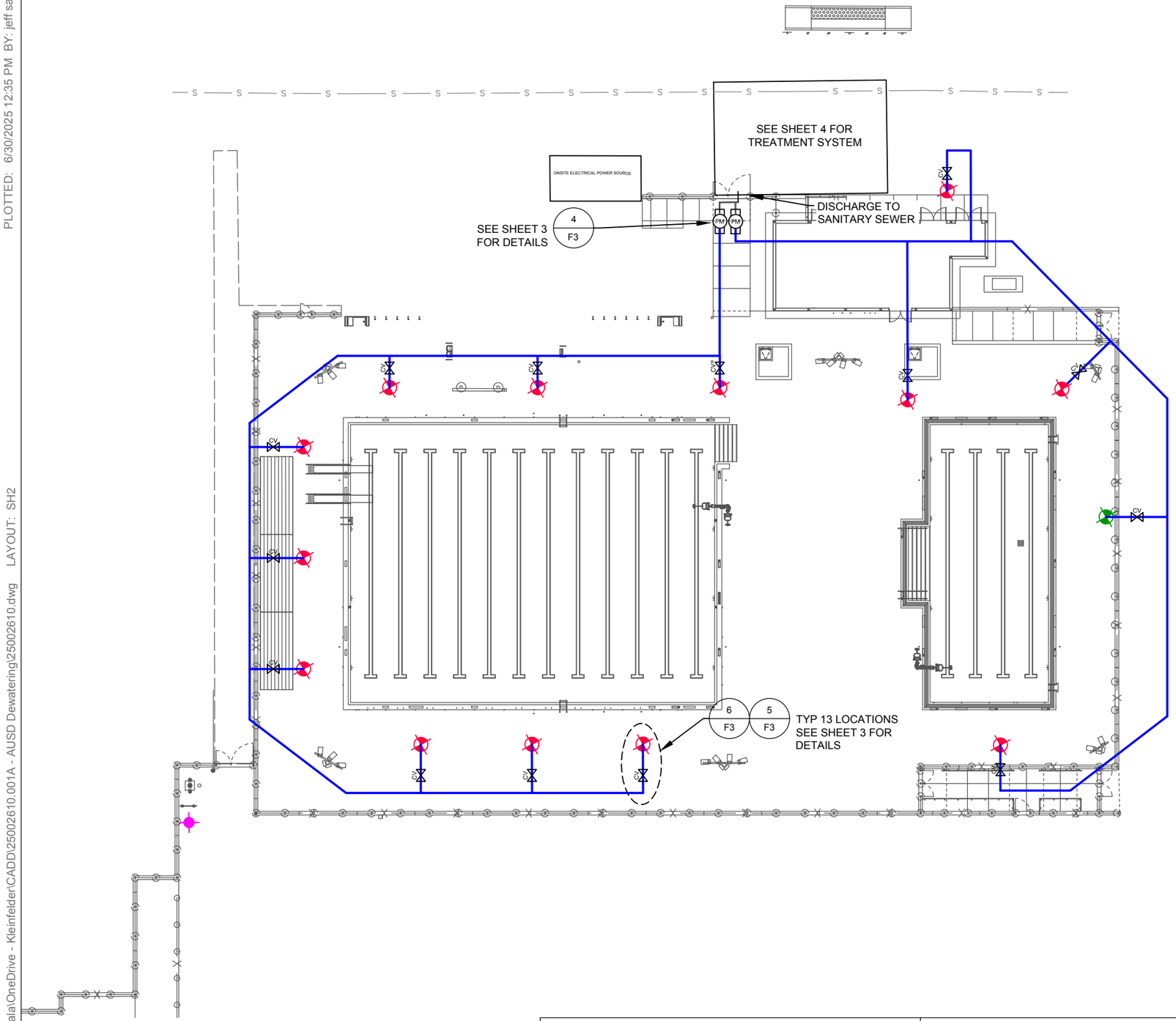
PROJECT NO.	25002610
DRAWN BY	JDS
CHECKED BY	JZ
DATE:	06-20-2025
REVISED:	

COVER SHEET

DEWATERING PLAN
ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
200 CENTRAL AVENUE
ALAMEDA, CA

SHEET
1

PLOTTED: 6/30/2025 12:35 PM BY: jeff sala
CAD FILE: C:\Users\JSala\OneDrive - Kleinfelder\CADD\25002610.001A - AUSD Dewatering\25002610.dwg LAYOUT: SH2



LEGEND

- APPROXIMATE ABOVE GROUND PIPE ALIGNMENT
- FM — FLOW METER
- GV — GATE VALVE
- PROPOSED DEWATERING WELL
- OBSERVATION WELL
- PUMP TEST WELL

NOTES:

1. ABOVE GROUND PIPE SEE SHEET 3
2. GATE VALVE SEE SHEET 3
3. FLOW METER SEE SHEET 3
4. ELECTRICAL CONNECTION TO BE CO-LOCATED WITH ABOVE-GROUND CONVEYANCE PIPING
5. OBSERVATION WELL TO BE 2" DIAMETER, 40 FT TOTAL DEPTH
6. PUMP TEST WELL TO BE PLUMBED FOR OPERATION AS AN OPTIONAL WELL. PUMP TEST WELL TO BE UTILIZED AS OBSERVATION WELL UNLESS REQUIRED FOR PUMPING DURING OPERATION

BASE PLAN MAP REFERENCE:
GRADING & UTILITY PLAN POOL, SHEET C2, ALAMEDA HIGH SCHOOL, SWIM CENTER MODERNIZATION, BY QUATTROCCHI KWOK, BRELJE & RACE MAY 24, 2024.

N

0 30 60

SCALE: 1" = 30' SCALE IN FEET

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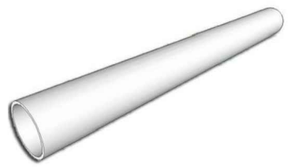
PROJECT NO.	25002610
DRAWN BY	JDS
CHECKED BY	JZ
DATE:	06-30-2025
REVISED:	

SITE PLAN

DEWATERING PLAN
ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
200 CENTRAL AVENUE
ALAMEDA, CA

SHEET 2

PLOTTED: 6/20/2025 8:43 AM BY: jeff sala
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Schedule 40 PVC Pipe Dimensions

Nom. Pipe Size (in)	O.D.	Average I.D.	Min. Wall	Nominal Wt./Ft.	Maximum W.P. PSI*
1/8	0.405	0.249	0.068	0.051	810
1/4	0.540	0.344	0.088	0.086	780
3/8	0.675	0.473	0.091	0.115	620
1/2	0.840	0.602	0.109	0.170	600
3/4	1.050	0.804	0.113	0.226	480
1	1.315	1.029	0.133	0.333	450
1-1/4	1.660	1.360	0.140	0.450	370
1-1/2	1.900	1.590	0.145	0.537	330
2	2.375	2.047	0.154	0.720	280
2-1/2	2.875	2.445	0.203	1.136	300
3	3.500	3.042	0.216	1.488	260
3-1/2	4.000	3.521	0.226	1.789	240
4	4.500	3.998	0.237	2.118	220
5	5.563	5.016	0.258	2.874	190
6	6.625	6.031	0.280	3.733	180
8	8.625	7.942	0.322	5.619	160
10	10.750	9.976	0.365	7.966	140
12	12.750	11.889	0.406	10.534	130
14	14.000	13.073	0.437	12.462	130
16	16.000	14.940	0.500	16.286	130
18	18.000	16.809	0.562	20.587	130
20	20.000	18.743	0.593	24.183	120
24	24.000	22.544	0.687	33.652	120

1 / F3 — 8" DISCHAGE HEADER PIPE AND FITTINGS
NOT TO SCALE

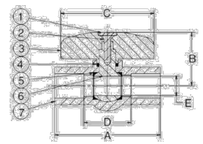


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18	18.000	16.809	0.562	20.587	130
20	20.000	18.743	0.593	24.183	120
24	24.000	22.544	0.687	33.652	120

2 / F3 — 2" WELL DISCHAGE PIPE AND FITTINGS
NOT TO SCALE





MATERIAL LIST

PART	SPECIFICATION
1 - Handle Cap	ABS
2 - Screw	Zinc Plated Steel
3 - Handle	ABS
4 - O-Ring	EPDM
5 - Seat Seal	PTFE, EPDM
6 - Ball	PVC
7 - Body	PVC

Dimensions:	A	B	C	D	E
Size					
2 inch	5.79	3.5	5.28	2.79	1.83

Reference: NIBCO Products

3 / F3 — 2" DIA BALL VALVE
NOT TO SCALE

THREADED END FLOWMETER MODEL MT100

SPECIFICATIONS

PERFORMANCE

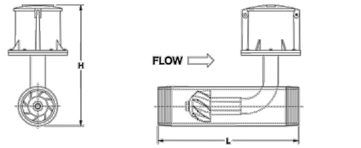
ACCURACY/REPEATABILITY: ±2% of reading guaranteed throughout full range; ±1% over reduced range. Repeatability 0.25% or better
MAXIMUM TEMPERATURE: (Standard Construction) 160°F constant
PRESSURE RATING: 150 psi

MATERIALS

BEARING ASSEMBLY: Impeller shaft is 316 stainless steel. Ball bearings are 440C stainless steel.
MAGNETS: (Permanent type) Alnico
BEARING HOUSING: Brass; Stainless Steel optional
REGISTER: An instantaneous/flowrate indicator and six-digit straight-reading totalizer are standard. The register is hermetically sealed within a die cast aluminum case. This protective housing includes a domed acrylic lens and hinged lens cover with locking hasp.
IMPELLER: Impellers are manufactured of high-impact plastic, retaining their shape and accuracy over the life of the meter. High temperature impeller is optional.
FLOW TUBE: Fusion-bonded epoxy-coated carbon steel threaded to NPT. (Other thread standards available.)

OPTIONS

Forward/reverse flow measurement
Register extensions
All stainless steel construction
High temperature construction
"Over Run" bearing assembly for higher than normal flowrates
Electronic Propeller meter available in all sizes of this model
A complete line of recording/control instrumentation can be driven from this flowmeter
Certified calibration test results
Canopy boot

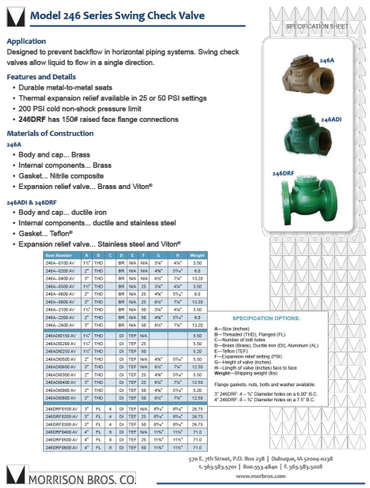


McCrometer reserves the right to change design or specifications without notice.

MT100	DIMENSIONS				
Meter Size	2"	2 ½"	3"	4"	6"
Maximum Flow U.S. GPM	250	250	250	600	1200
Minimum Flow, U.S. GPM	35	35	40	50	90
Approx. Head Loss in Inches at Max. Flow	29.50	29.50	29.50	23	17
Approx. Shipping Weight-lbs.	*SEE SPECIAL NOTE		17	40	42
H (inches)			10	13	14
L (inches)			13	20	22
O.D. of Meter Tube			3.59	4.500	6.625

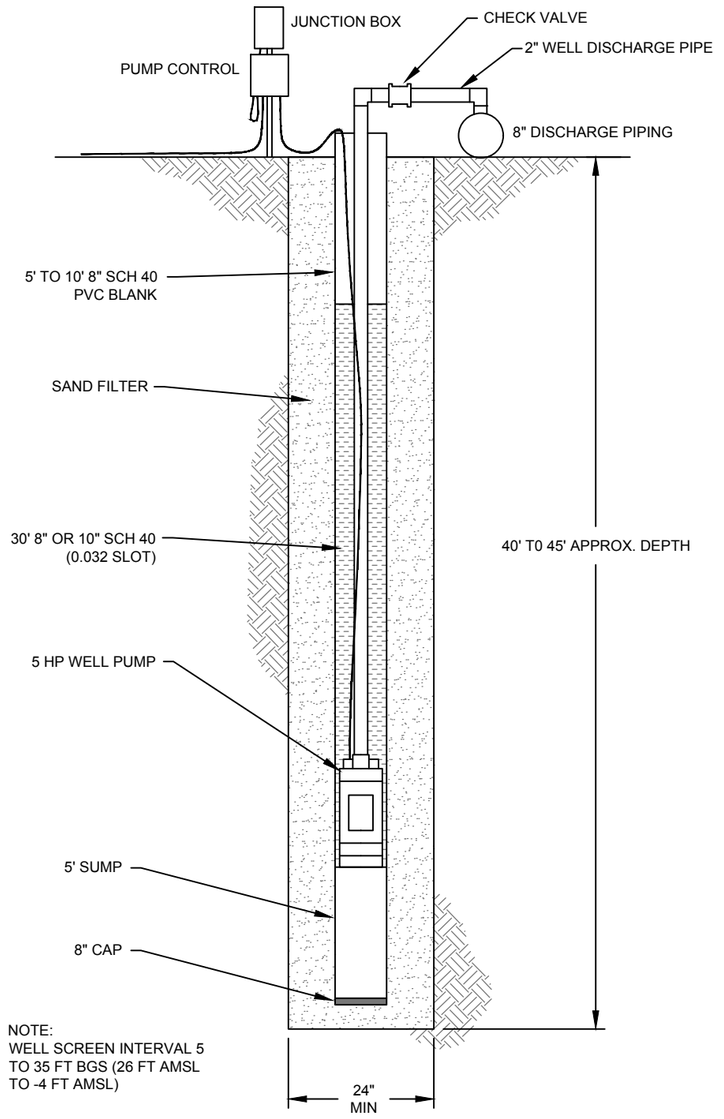
Larger flowmeters on special order.
*SPECIAL NOTE — Reducing fittings are supplied to adapt the 3-inch model to smaller line sizes.

4 / F3 — FLOW METER
NOT TO SCALE



5 / F3 — CHECK VALVE
NOT TO SCALE

NOTES:
1. DISCHARGE PIPE & FITTING INCLUDE STRAIGHT PIPE, ELBOWS, TEE'S, COUPLERS AND REDUCERS.
2. CONNECTIONS SHALL BE GLUED USING PVC ADHESIVE.



NOTE:
WELL SCREEN INTERVAL 5 TO 35 FT BGS (26 FT AMSL TO -4 FT AMSL)

6 / F3 — DEWATERING WELL SCHEMATIC
NOT TO SCALE



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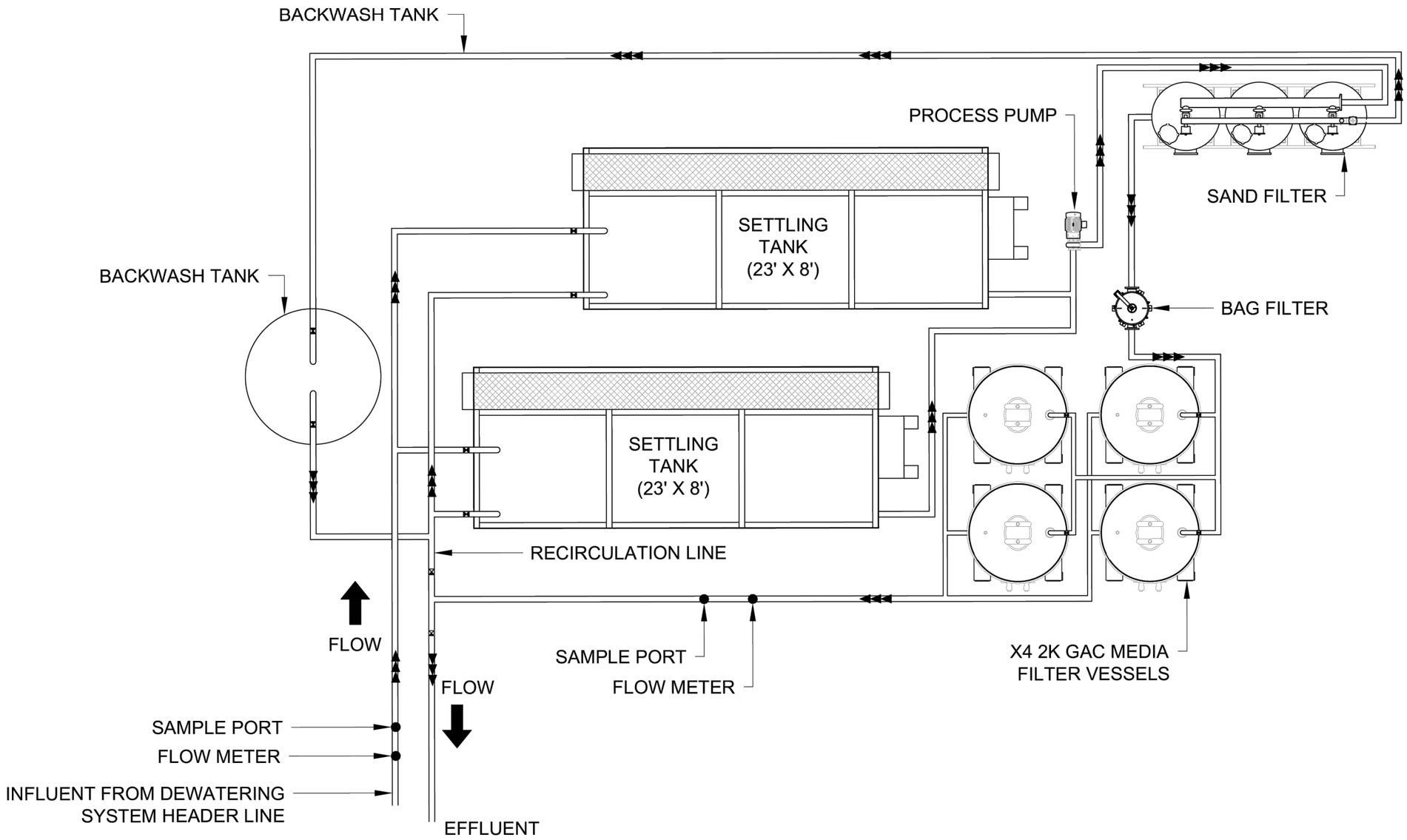
PROJECT NO.	25002610
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CHECKED BY	JZ
DATE:	06-20-2025
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DEWATERING SYSTEM COMPONENTS

DEWATERING PLAN
ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
200 CENTRAL AVENUE
ALAMEDA, CA

SHEET
3

GROUNDWATER TREATMENT SYSTEM DIAGRAM



*FIELD CONDITIONS MAY VARY

Active Treatment Systems, Inc.
WATER SOLUTIONS FOR THE ENVIRONMENT

6301 ANGELO CT.
UNIT 9
LOOMIS, CA 95650

916.652.9745
WWW.ATS-ENV.COM

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PROJECT INFORMATION
ALAMEDA HIGH SCHOOL SWIM CENTER
ALAMEDA,CA
400 GPM GROUNDWATER TREATMENT SYSTEM TO SEWER SYSTEM

DRAWN BY	APPROVED BY	SCALE	DATE
JLB	SLD	NTS	6/4/2025

DRAWING NAME: GTS PFD — 1

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JEREMY P SCOTT
C 96748
EXP. 12/31/26
CIVIL
STATE OF CALIFORNIA

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06/30/2025
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TREATMENT SYSTEM

DEWATERING PLAN
ALAMEDA HIGH SCHOOL SWIM CENTER PROJECT
200 CENTRAL AVENUE
ALAMEDA, CA

SHEET 4

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