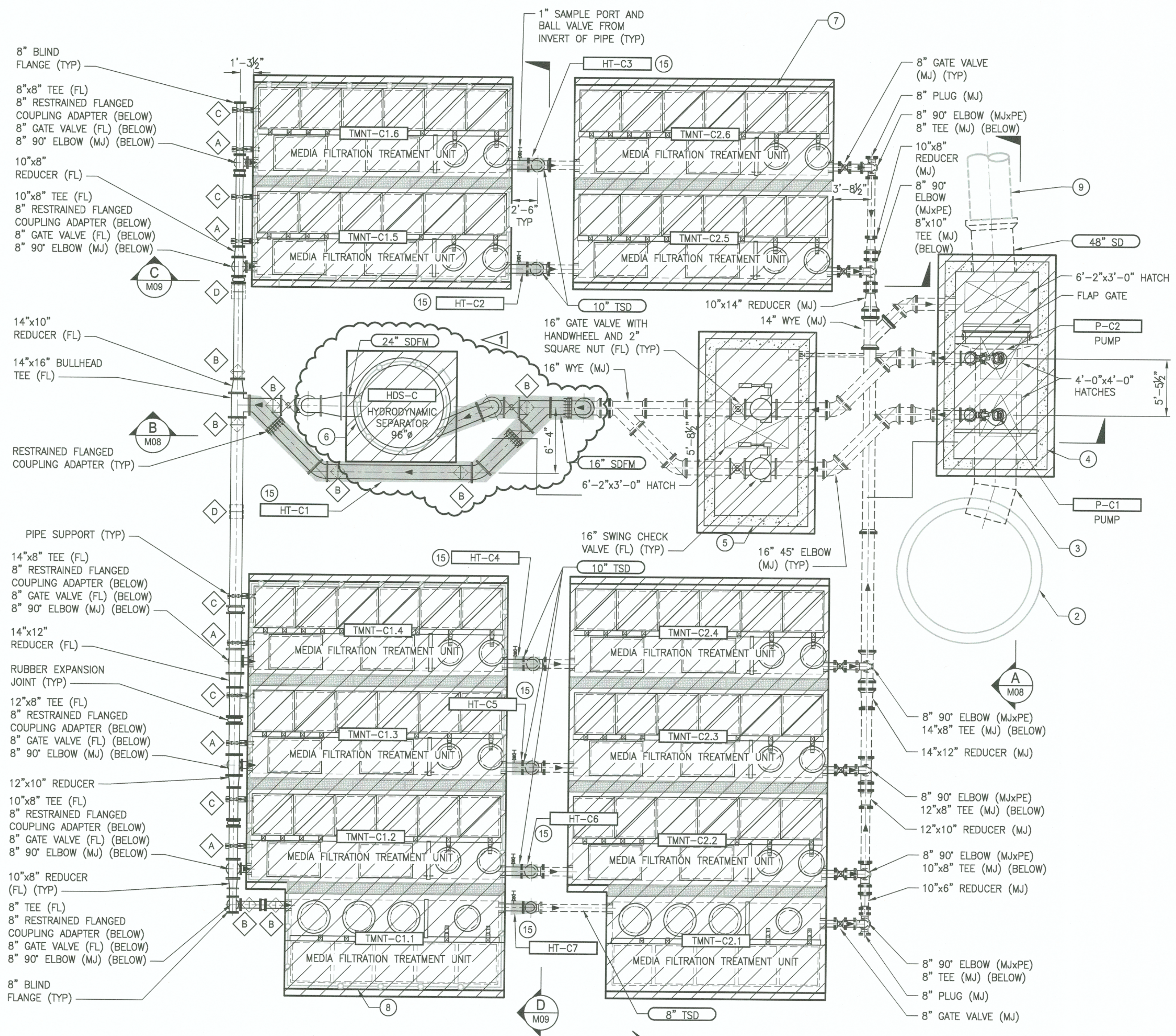


PORT OF TACOMA FILE: U:\PSOI\Projects\Clients\8001-NW Seaport Alliance\553-8001-001 West Sitcum\99Svcs\CADD\DWG\PS8001001M-03

BINDING EDGE



MECHANICAL - BASIN C
PLAN
SCALE: 3/16"=1'-0"

NOTES:

1. CONTRACTOR SHALL VERIFY DIMENSIONS, ELEVATIONS AND LOCATIONS PRIOR TO CONSTRUCTION
2. EXISTING OWS. DEMOLISH INTERIOR FABRICATIONS. SEE DETAIL 2/D02.
3. INSTALL 48" HDPE FABRICATED PIPE, AS REQUIRED, CONNECT TO OWNER-PROVIDED PRE-CAST WETWELL.
4. INSTALL MIN 8'-0"x18'-0" (INTERIOR DIMENSIONS) OWNER-PROVIDED PRE-CAST CONCRETE WETWELL AND DUPLEX PUMP STATION, SLOPE WETWELL BOTTOM PER PUMP MANUFACTURER'S RECOMMENDATION. PLAIN-END PIPE STUB OUTS PROVIDED BY OWNER. CONTRACTOR TO FURNISH AND INSTALL CONNECTION TO PLAIN-END PIPE STUBS.
5. INSTALL MIN 8'-0"x16'-0" (INTERIOR DIMENSIONS) OWNER-PROVIDED PRE-CAST VALVE VAULT. PLAIN-END PIPE STUB OUTS PROVIDED BY OWNER. CONTRACTOR TO FURNISH AND INSTALL CONNECTION TO PLAIN-END PIPE STUBS.
6. INSTALL OWNER-SUPPLIED HYDRODYNAMIC SEPARATOR WITH BYPASS PIPING. SEE STRUCTURAL SHEETS FOR LADDER, AND HANDRAIL DETAILS. STRUCTURAL ITEMS FURNISHED AND INSTALLED BY CONTRACTOR.
7. INSTALL 8'x24' MEDIA FILTRATION TREATMENT UNIT, TYP OF 10. SEE MECHANICAL SHEETS FOR SUBGRADE PREPARATION. SEE STRUCTURAL SHEETS FOR FOUNDATION DESIGN, LADDER, HANDRAIL, AND CHECK PLATE DETAILS. STRUCTURAL ITEMS FURNISHED AND INSTALLED BY CONTRACTOR, SEE TREATMENT UNIT NOTES THIS SHEET.
8. INSTALL 8'x20' OWNER-SUPPLIED MEDIA FILTRATION TREATMENT UNIT, TYP OF 2. SEE MECHANICAL SHEETS FOR SUBGRADE PREPARATION. SEE STRUCTURAL SHEETS FOR FOUNDATION DESIGN, LADDER, HANDRAIL, AND CHECK PLATE DETAILS. STRUCTURAL ITEMS FURNISHED AND INSTALLED BY CONTRACTOR, SEE TREATMENT UNIT NOTES THIS SHEET.
9. CONNECT 48" SD RCP TO EXISTING 48" RCP.
10. NOT ALL PIPE SUPPORTS SHOWN. PROVIDE PIPE SUPPORTS ON ALL PIPING WHERE NECESSARY. SEE LETTER ADJACENT TO SUPPORT FOR TYPE AS DETAILED ON SHEE S10, DETAIL 5.
11. ALL JOINTS AND COUPLINGS SHALL BE RESTRAINED.
12. ALL PIPE PENETRATIONS THROUGH WALLS AND SLABS REQUIRE MODULAR MECHANICAL SEALS WITH TIGHTENING BOLTS INSIDE STRUCTURE. SEE SHEET M10, DETAIL 5.
13. ALL HATCHES FOR BASIN C WET WELL SHALL BE AIRPORT EXTRA HEAVY DUTY RATED FOR THE LOADING DETAILED WITHIN THE SPECIFICATIONS. ALL HATCHES FOR BASIN C VALVE VAULT SHALL BE H-20 RATED AS DETAILED WITHIN THE SPECIFICATIONS. ALL HATCH DIMENSIONS SHOWN OR CALLED OUT ARE DIMENSIONS FOR MINIMUM CLEAR OPENINGS.
14. ALL BURIED VALVES SHALL BE PROVIDED WITH VALVE STEM EXTENSIONS, CASING TUBES, VALVE BOXES, AND 2" SQUARE NUT WITH POSITION INDICATOR. SEE DETAIL 1, SHEET M10.
15. SEVEN AREAS TO RECEIVE HEAT TRACING, INSULATION, AND JACKETING TO BE APPLIED TO PIPES INDICATED WITH HATCHING. SEE ELECTRICAL FOR CIRCUITING AND CONTROLLER INFORMATION AND SCOPE DELINEATION.

TREATMENT UNIT NOTES:

- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE TREATMENT UNITS AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS.
- UNIT MUST BE INSTALLED ON LEVEL BASE.
- ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL GAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURER'S STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
- CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. PIPE PENETRATIONS ARE OWNER-SUPPLIED.
- CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
- CONTRACTOR RESPONSIBLE FOR CONTACTING MODULAR WETLANDS FOR ACTIVATION OF UNIT. MANUFACTURER'S WARRANTY IS VOID WITHOUT PROPER ACTIVATION BY A MODULAR WETLANDS REPRESENTATIVE.

LEGEND:

- EXTENT OF OWNER-SUPPLIED MATERIALS. COORDINATE WITH OWNER AND SUPPLIERS FOR DELIVERY, INSTALLATION, AND COMMISSIONING REQUIREMENTS. SEE NOTES THIS SHEET FOR ADDITIONAL SCOPE DELINEATION DETAILS
- HEAT TRACE
- PIPE SUPPORT TYPE

6583 M03 SH 30 OF 47	WEST SITCUM		STORMWATER TREATMENT		MECHANICAL PLAN - BASIN C	
	APPROVED: <i>John VandenBerg</i>		CHECKED BY: JEM		DATE: APR 2018	
	DIRECTOR: <i>John VandenBerg</i>		DATE: 5-16-18		PROJECT: ENGR	
	PRINTED BY: peterden May 16, 2018		PORT ADDRESS: ONE SITCUM PLAZA		TACOMA, WA 98401-1837	
CONTRACT/CONS: 070664	TOWNSHIP: 21N	RANGE: 3E	SECTIONS: 33 & 34	VERT: MLLW	DRAWING SCALE: AS NOTED	
M. ID: 201024.01	DAT-HRZ: WAB3-S	PARCEL: SEE G02	PHASE: BID SET			

Port of Tacoma
60 WASHINGTON AVENUE, SUITE 390
BREMERTON, WA 98337
P 360.377.0014
WWW.PORTOFTACOMA.WA.GOV

Parametrix
ENGINEERING PLANNING ENVIRONMENTAL SCIENCES
60 WASHINGTON AVENUE, SUITE 390
BREMERTON, WA 98337
P 360.377.0014
WWW.PARAMETRIX.COM

SEAL
JOHN VANDENBERG
REGISTERED PROFESSIONAL ENGINEER
WASHINGTON STATE
NO. 6583

DATE: 05/16/2018
BY: AAP
REVISION: 4
APPENDUM

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