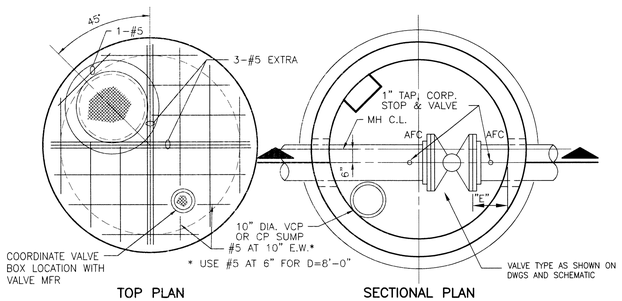
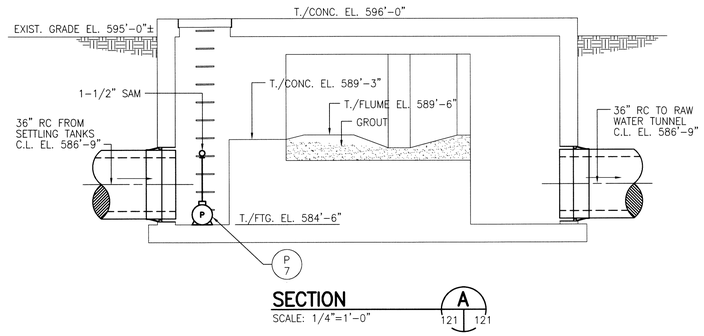
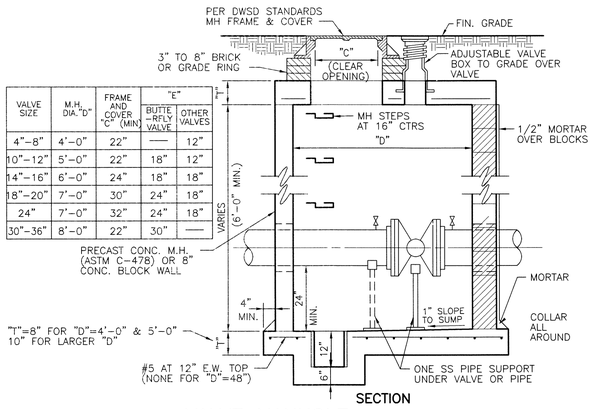
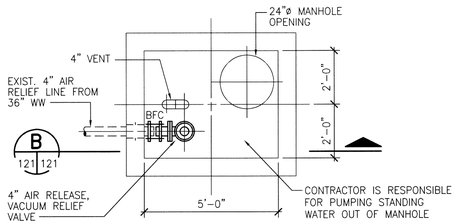




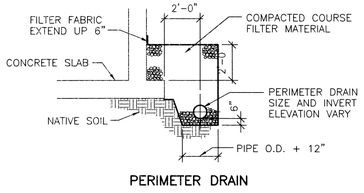


VALVE SIZE	M.H. DIA."D"	FRAME AND COVER "C" (MIN)	"E" BUTTE-RFLY VALVE	"E" OTHER VALVES
4"-8"	4'-0"	22"	—	12"
10"-12"	5'-0"	22"	18"	12"
14"-16"	6'-0"	24"	18"	18"
18"-20"	7'-0"	30"	24"	18"
24"	7'-0"	32"	24"	18"
30"-36"	8'-0"	22"	30"	—

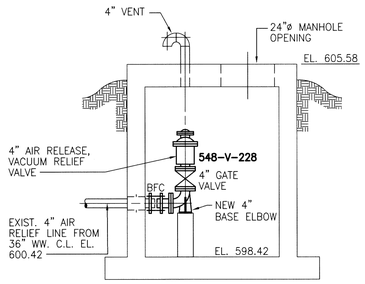
VALVE MANHOLE
NO SCALE

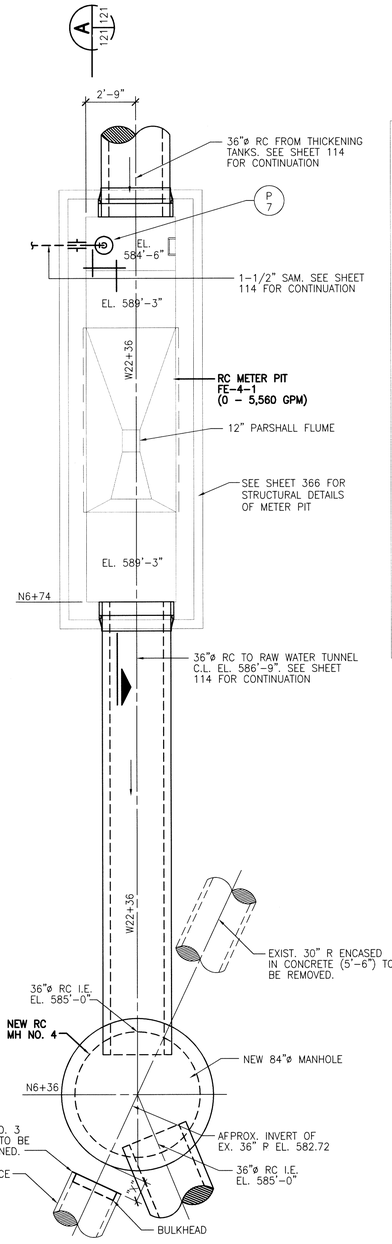


AIR RELEASE VALVE VAULT NO. 6 PLAN
SCALE: 3/8"=1'-0"

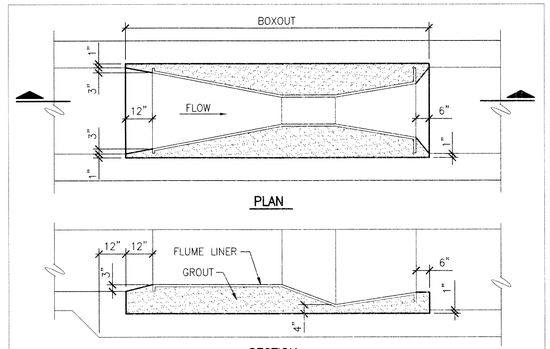


DEWATERING SYSTEMS DETAIL
NO SCALE





EFFLUENT CHAMBER STRUCTURE
SCALE: 1/4"=1'-0"



CONSTRUCTION NOTE:

1. POUR STRUCTURAL WALLS AND SLABS WITH BOX-OUT AS SHOWN
2. SET PARSHALL FLUME LINER IN CEMENT-SAND GROUT MIXTURE AIR-ENTRAINED CEMENT SHALL BE USED.
3. LINER SHALL BE GROUTED IN PLACE TO WITHIN 2.0% OF INTERNAL THROAT.

PARSHALL FLUME SETTING DETAIL

/MPS/S/DET/CONCRETE/PARSHALL-FLUME

	DESCRIPTION	CHK'D	APRVD.	DATE
A	FINAL DESIGN ISSUED FOR ADVERTISEMENT			12/08
	REVISIONS			

DESIGNED BY EJC
DRAWN BY MJB
CHECKED BY JBD
APPROVED BY TWL

STATE OF MICHIGAN — ERICH G. KLUN — ENGINEER — No. 43315 — LICENSED PROFESSIONAL ENGINEER — 11/12/08

SOUTHWEST WATER TREATMENT PLANT
WASTE WASHWATER & SLUDGE TREATMENT FACILITY

SITE DETAILS
VALVE MANHOLES AND RC METER PIT

SCALE: NONE DATE: 11-17-08

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
ENGINEERING DIVISION

TETRA TECH | SIGMA CONSULTING ENGINEERS Sigma Associates, Inc. | NTH Consultants, Ltd. Infrastructure Engineering and Environmental Services 480 Ford Field, 2000 Brush Street Detroit, MI 48226

SECTION MAP	TOWN	RANGE	SECTION	PORTION CODE	DRMS NO.
13-C	3S	10E	004		3466

MDEQ PERMIT NO. W084275
FED. REF. NO.
CONTRACT NO. SW-548
FILE NO.
D-07-02-121

11/10/2008 8:57 AM P:\123P051\02\07\CAD\SD\SITE DETAILS.DWG