O:\Drawings\PKOJEC|5\23-1ANKS\Hamilton College | Ineatre & Studio Arts\Sand Filter #1\12KCP\

Project: Hamilton College Theatre & Studio Arts

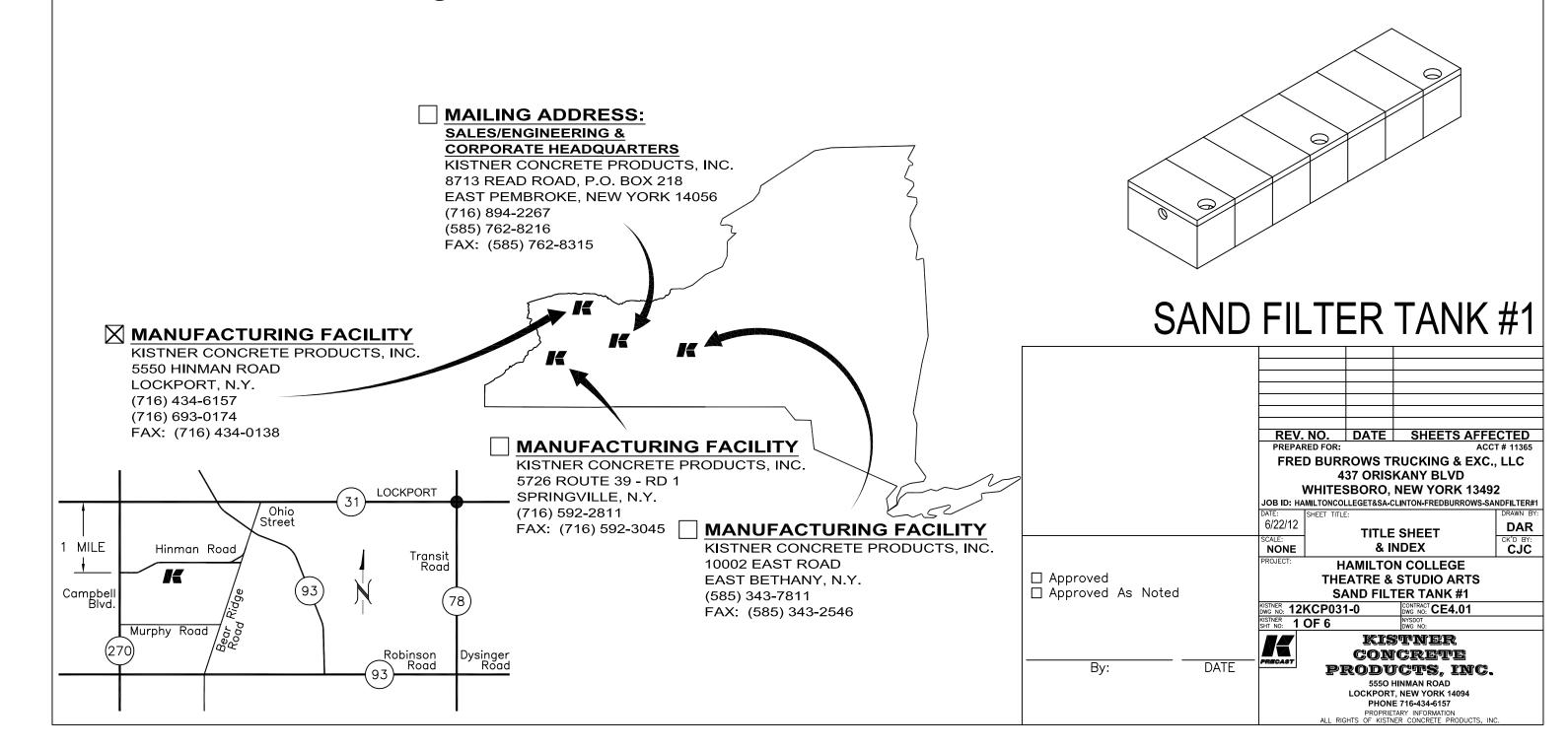
Location: Town of Clinton, New York

Product: Sand Filter Tank #1

contractor: Fred Burrows Trucking & Exec., LLC Acct # 11365

Engineer: Machado and Silvetti Associates, LLC

Job ID: HamiltonCollegeT&SA-Clinton-FredBurrows-SandFilter#1



SHT. NO

DESCRIPTIONTITLE SHEET & INDEX

PLAN, PROFILE & END VIEW

SEGMENTAL TANK DETAILS 2 OF 2

TYPICAL INSTALLATION PROCEDURE 1 OF 2

NOTES & DETAILS

SPECIFICATIONS: CONCRETE: 5,000 P.S.I. @ 28 DAYS. ENTRAINED AIR: 5% - 9%. STEEL: A.S.T.M. A496-A615 GRADE 60-60 KSI. DESIGN LOADING: ACI LOAD FACTORS. A.A.S.H.T.O. METHOD OF DESIGN. EQUIVALENT SOIL PRESSURE OF 60 (PCF). LIVE LOAD: H20 2 TO 6' EARTH FILL: WATER TABLE: 3' BELOW GRADE WEIGHT: COVER W/OPNG (3 EA.): 8,536 LBS. COVER WO/OPNG 8,963 LBS. (4 EA.): SEGMENT A (INLET) (1 ONLY): 20,104 LBS. SEGMENT B W/SOLID WALL (1 ONLY): 17,327 LBS. SEGMENT B (3 EA.): 14.754 LBS. SEGMENT C

17,391 LBS.

20,157 LBS.

180,701 LBS.

(1 ONLY):

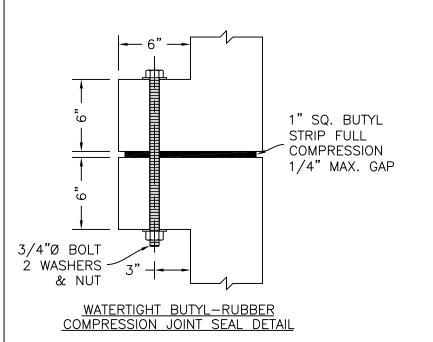
(1 ONLY):

TOTAL:

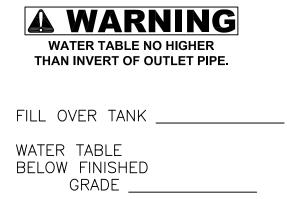
SEGMENT C (OUTLET)

A	B	(C)
LOC.:INLET END WALL	LOC.:INLET SIDE WALL	LOC.:B/T SEG A & SEG B
QTY.:1	QTY.:1	QTY.:3 PER WALL (6 TOTAL)
PIPE (SIZE & TYPE):12" CPP	PIPE (SIZE & TYPE):6" CPP	PIPE (SIZE & TYPE):12" CPP W/ELBOW
PIPE OD:	PIPE OD:	PIPE OD:
INVERT ELEV.:904.99	INVERT ELEV.:904.99	INVERT ELEV.:903.91
CL ELEV:905.49	CL ELEV:905.24	CL ELEV:904.41
HOLE:16"	HOLE:11"	HOLE:16"
TBS TO CL:50"	TBS TO CL:47"	TBS TO CL:37"
D	E	F
LOC.:B/T SEG C & SEG C	LOC.:B/T SEG C & SEG C WALLS	LOC.:OUTLET END WALL
QTY.:3 PER WALL (6 TOTAL)	QTY.:4 PER WALL (8 TOTAL)	QTY.:1
PIPE (SIZE & TYPE):8" CPP	PIPE (SIZE & TYPE):4" PERF. UD	PIPE (SIZE & TYPE):15" CPP
PIPE OD:	PIPE OD:	PIPE OD:
INVERT ELEV.:904.91	INVERT ELEV.:901.83	INVERT ELEV.:901.99
CL ELEV:905.24	CL ELEV:902.00	CL ELEV:902.62
HOLE:12"	HOLE:8"	HOLE:20"
TBS TO CL:47"	TBS TO CL:8"	TBS TO CL:15 1/2"

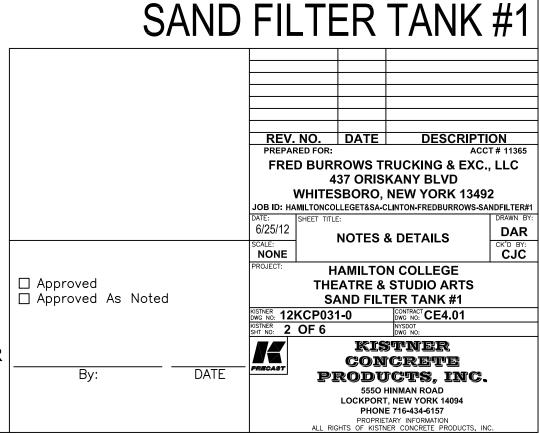
NOTE: ADDITIONAL GRAVEL ADDED UNDER 6" PIPE TO ACCOMMODATE FIXED TANK HEIGHT AND TO ALLOW MINIMAL COVER PER PLANS OVER TANK.

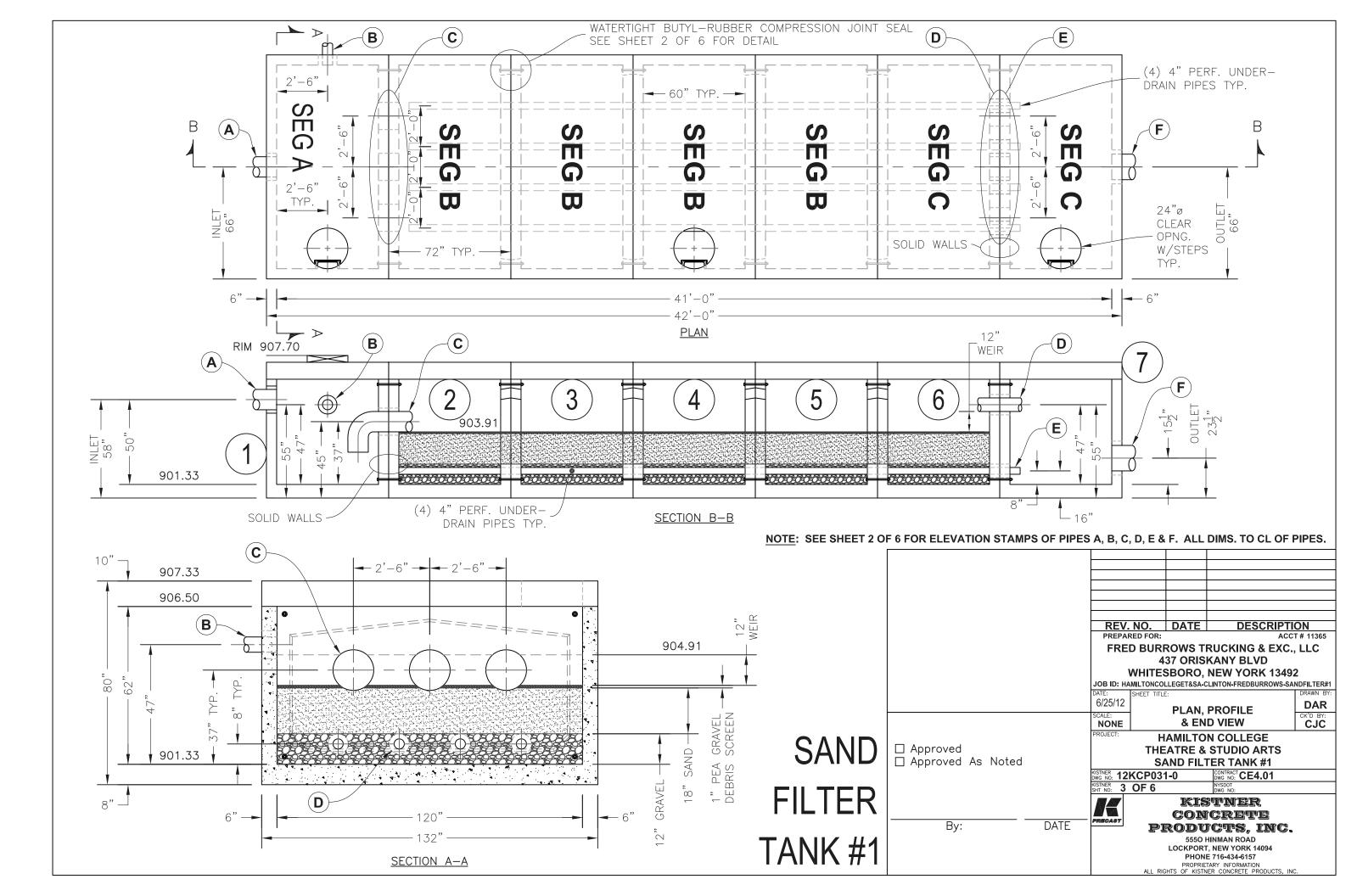


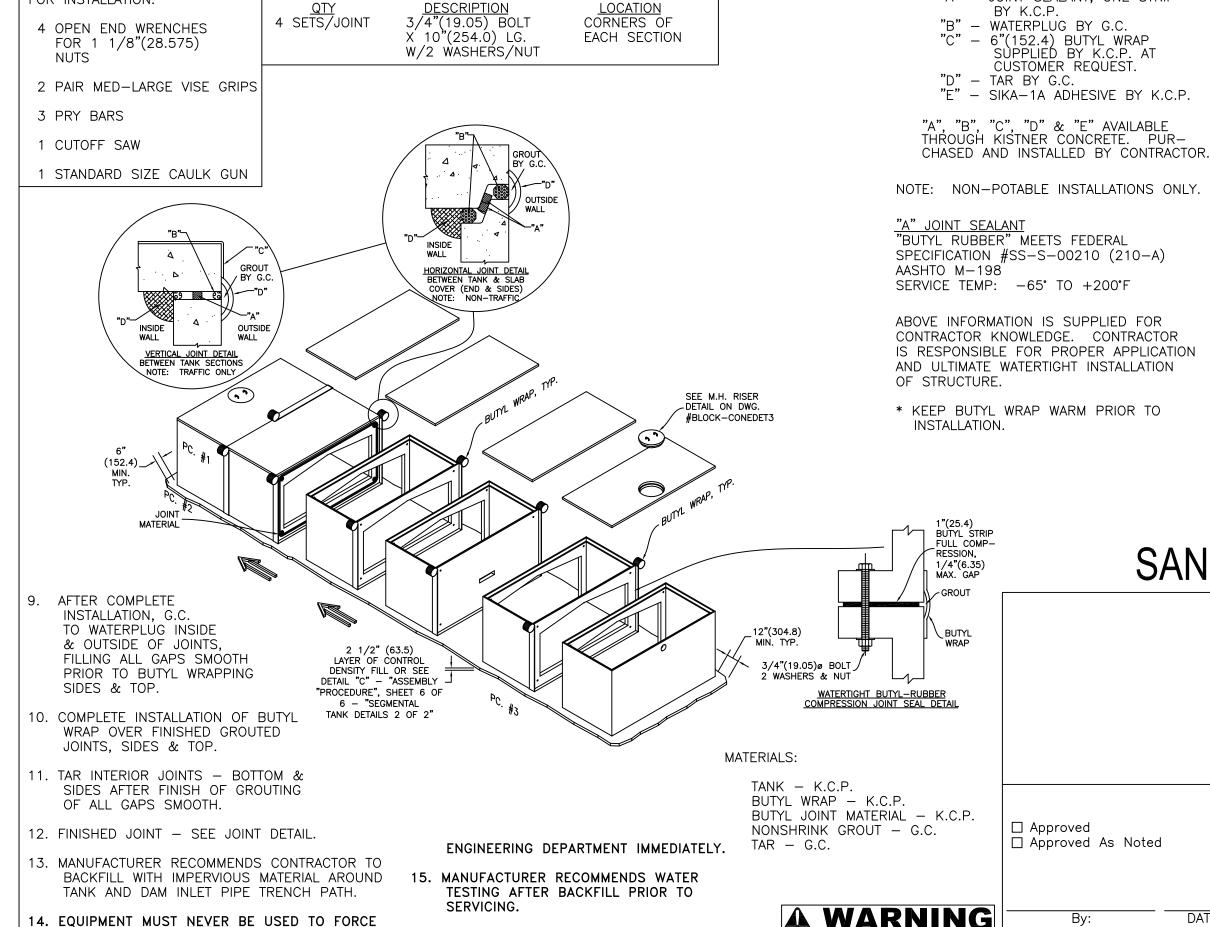
SCALE: N/A



WATERTIGHTNESS IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR ASK FOR WATERTIGHT JOINT INSTALLATION DETAIL.







16. TANKS DESIGNED FOR

STATIC WATER LEVEL

NON-PRESSURIZED.

LOCATION

HARDWARE LIST

DESCRIPTION

EQUIPMENT REQUIRED BY G.C.

TANK SECTIONS TOGETHER. IF DIFFICULTY IS

ENCOUNTERED, REMOVE SECTION AND REPEAT

PREVIOUS STEPS. CALL KISTNER'S SALES &

FOR INSTALLATION:

INSTALLATION PROCEDURE:

GENERAL NOTES:

WATER TABLE NO HIGHER

THAN INVERT OF OUTLET PIPE.

"A" - JOINT SEALANT, ONE STRIP

- 1. PREPARE DRY EXCAVATION & BEDDING PER CONTRACT SPECIFICATIONS. MIN. 2 1/2"(63.5) THICK CONTROL DENSITY FILL LEVELED TO SMOOTH BEDDING SURFACE. ALLOW PROPER AREA IN EXCAVATION TO SET TANK.
- PREPARE BUTYL WRAP ON BEDDING IN EXCAVATION AT BOTTOM OF PC. #1 FOR SETTING.
- SET PC. #1 IN EXCAVATION ON BUTYL WRAP.
- INSTALL BUTYL STRIP ON SIDE OF PC. #2. 2 STRIPS - START AT TOP AND WRAP AROUND WALLS. STAGGER BUTT END'S JOINT AT START. CON-TRACTOR MAY APPLY TAR TO JOINT TO LOCATE BUTYL STRIP.
- PREPARE BUTYL WRAP IN HOLE FOR PC. #2.
- INSTALL PC. #2. DRAW FULLY TOGE-THER W/BOLT SYSTEM, 1/4"(6.35) GAP MAX. BEFORE RELEASING TEN-SION ON CABLES. APPLY BUTYL AROUND BOLT AND PLATE WASHERS TO SEAL BOLT HOLES.
- DRAW SECTIONS INTO PLACE TO PRE-VIOUSLY SET SECTION THRU HOLES.
- REPEAT PROCEDURE UNTIL COMPLETE.

SAND FILTER TANK #1

		REV. NC		DATE DESCRIPTION			
		PREPARED FOR: ACCT # 11365			ACCT # 11365		
		FRED BURROWS TRUCKING & EXC., LLC					
		437 ORISKANY BLVD					
		WHITESBORO, NEW YORK 13492					
		JOB ID: HAMILTONCOLLEGET&SA-CLINTON-FREDBURROWS-SANDFILTER#1					
		6/26/12	26/12 TYPICAL DAR				
		SCALE: INST			ALLATION CK'D BY:		
		NONE	Ρ	ROCED	URE 1 OF 2	CJC	
		PROJECT: HAMILTON COLLEGE					
] Approved		THEATRE & STUDIO ARTS					
Approved As N	oted	SAND FILTER TANK #1					
,		KISTNER 12KCF			CONTRACT CE4.01		
		KISTNER F OF		-0	NYSDOT		
		SHT NO: 3 UF	0		DWG NO:		
				KIS	TNER		
		PRECAST		Con	'Crete		
By:	DATE	PRODUCTS, INC.					
-		5550 HINMAN ROAD LOCKPORT, NEW YORK 14094					
			PHONE 716-434-6157 PROPRIETARY INFORMATION ALL RIGHTS OF KISTHER CONCRETE PRODUCTS INC				
		 					

