

GENERAL PLUMBING NOTES:

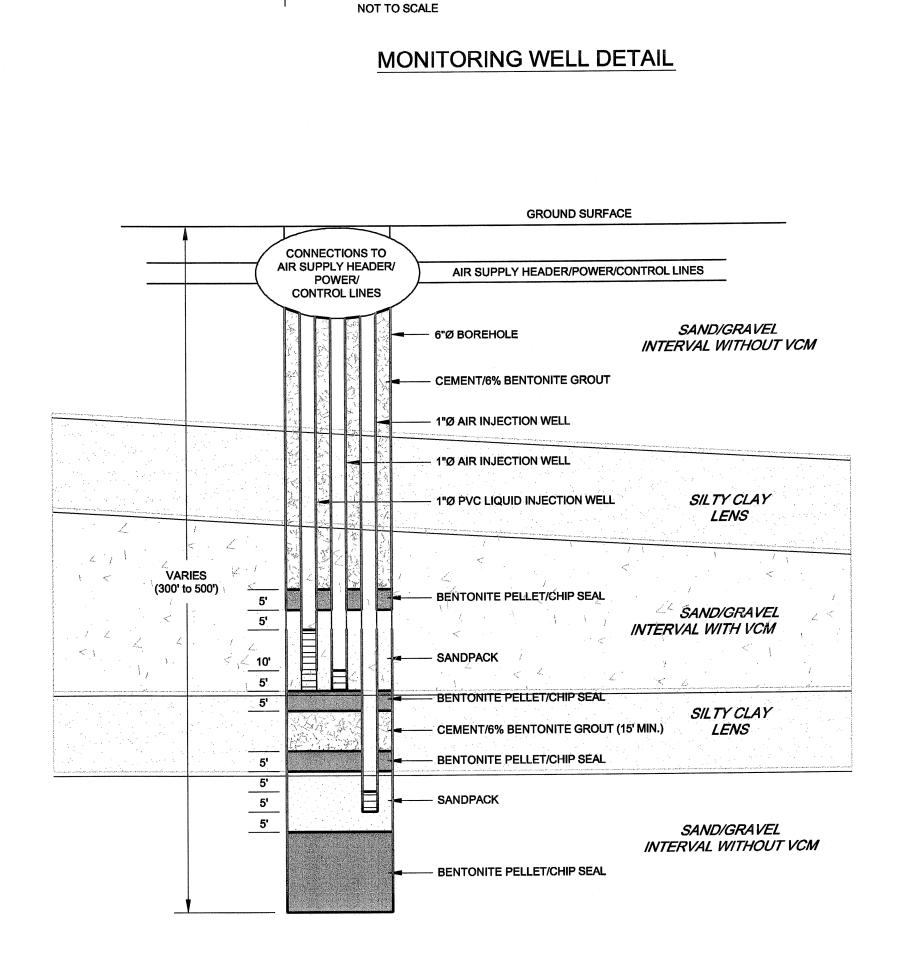
- 1. ALL WORKS MUST COMPLY WITH NEW YORK PLUMBING CODE.
- 2. REFER TO WRITTEN SPECIFICATIONS FOR SPECS ON FIXTURES, PIPING MATERIALS, INSTALLATIONS, ETC., UNLESS INDICATED OTHERWISE.
- 3. THESE PLANS MAKE NO ATTEMPT TO SHOW ALL ITEMS REQUIRED FOR COMPLETE INSTALLATION. ALL FIXTURES MUST BE ROUGHED IN AND INSTALLED IN STRICT ACCORDANCE WITH MFG'S SHOP DWGS AND INSTALLATION PROCEDURES. CONTRACTOR MUST FURNISH AND INSTALL ALL ITEMS, FITTINGS, AND MISCELLANEOUS HARDWARE NEEDED FOR PLUMBING-CODE COMPLIANCE AND COMPLETE OPERATIONAL SERVICE AND MAINTENANCE.

LAVATORY PLUMBING

Well Installation Estimated Depths **OU-3 Biosparge Remedy** Hooker/Ruco Site Hicksville, New York

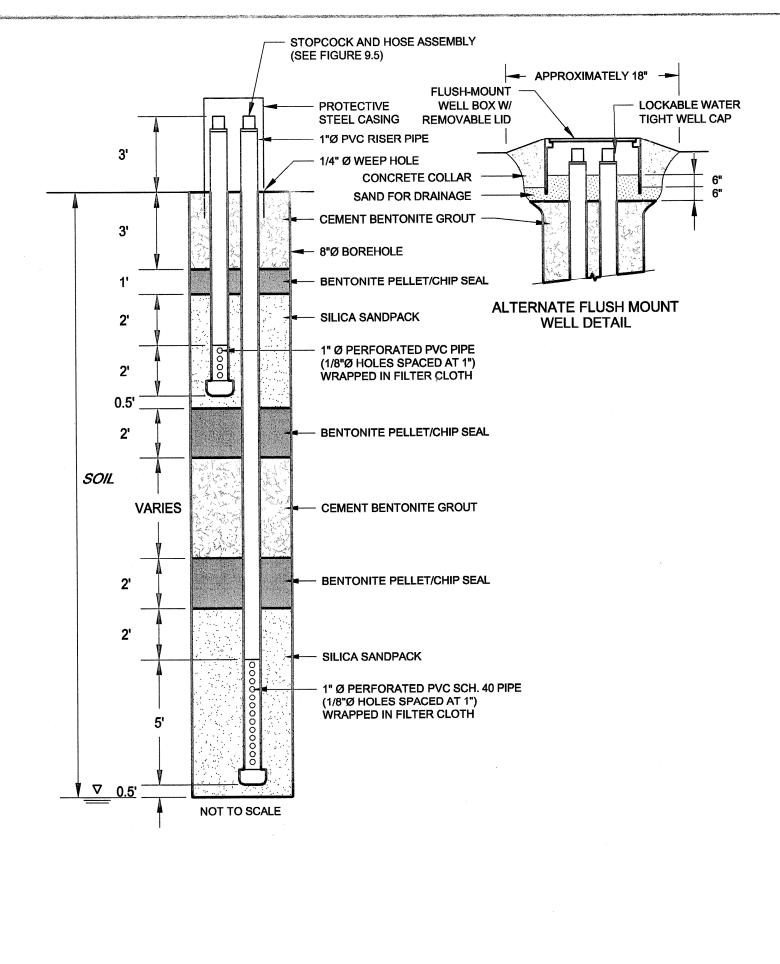
	Depth to Top of Sandpack (ft. bgs)	Depth to Top of Screen (ft. bgs.)	Depth to Bottom of Screen (ft. bgs.)	Depth to Bottom of Sandpack (fi. bgs.)	Pipe/Screen Diameter (in.)	Pipe/ Screen Material
a) North Fence						
Liquid-Injection Wells	245	250	255	260	1.0	PVC
Air-Injection Wells - Shallow	245	250	255	260	1.0	CS/SS
		290 290	295	300	1.0	CS/SS
-Deep	285	290	293	300	1.0	C5/55
Vadose Zone Wells	4	•	. 0	0.5	1 Λ	PVC
- Shallow	4	6	8	8.5	1.0	PVC
-Deep	53	55	60	60.5	1.0	PVC
Groundwater Wells				A4.	2.0	CC DVC
- Shallow	195	200	210	215	2.0	SS or PVC
-Deep	235	240	250	251	2.0	SS or PVC
b) Middle Fence						
Liquid-Injection Wells Air-Injection Wells	360	365	370	375	1.0	PVC
- Shallow	360	365	370	375	1.0	CS/SS
-Deep	400	405	410	415	1.0	CS/SS
Vadose Zone Wells	, ,					
- Shallow	4	6	8	6.5	1.0	PVC
-Deep	53	55	60	60.5	1.0	PVC
Groundwater Wells	55		~~	• • • • • • • • • • • • • • • • • • • •		
- Shallow	300	305	315	320	2.0	SS or PVC
- Snanow -Deep	340	345	355	356	2.0	SS or PVC
-17660	J4V	J ~t J	JJJ	220	<i>⊷.</i> ∨	

WELL INSTALLATION ESTIMATED DEPTHS

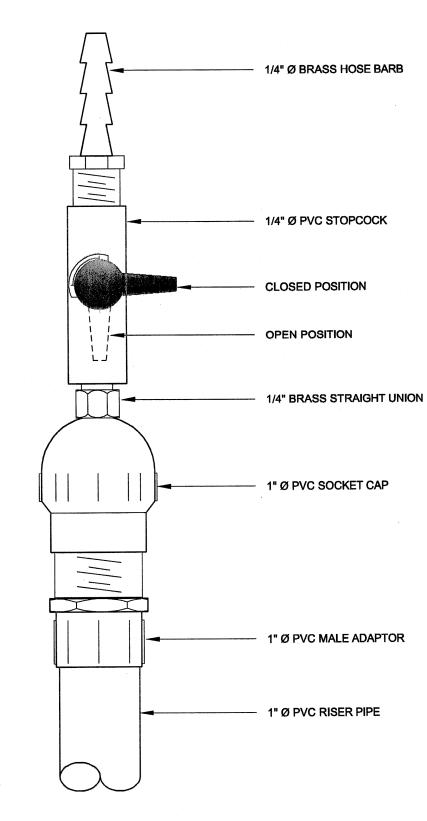


TYPICAL INJECTION WELL DETAIL

Date Initial



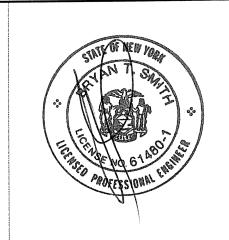
TYPICAL VADOSE ZONE MONITORING WELL



VADOSE ZONE MONITORING WELL

DATE PRINTED 5-25-05 100% REVIEW DRAWINGS NOT FOR CONSTRUCTION

SCALE VERIFICATION: TH	-		



APPROXIMATELY 18" -

ALTERNATE FLUSH MOUNT

WELL DETAIL

1. WELL MAY EXTEND TO DEPTH

RANGING FROM 250' TO 450'

2. NUMBER OF MONITORED INTERVALS

TO BE DETERMINED IN THE FIELD

- LOCKABLE WATER

TIGHT WELL CAP

FLUSH-MOUNT

REMOVABLE LID

WELL BOX W/

- LOCKING CAP

PROTECTIVE

→ 9"Ø BOREHOLE

(6% BENTONITE)

--- 6"Ø BOREHOLE

VARIES

VARIES

20' min

STEEL CASING

CONCRETE COLLAR

SAND FOR DRAINAGE

- BENTONITE PELLET/CHIP SEAL -

- 6"Ø BLACK STEEL CASING

BENTONITE/CEMENT GROUT

- BENTONITE PELLET/CHIP SEAL

- 2"Ø BLACK STEEL OR SCHEDULE 80 PVC

- 2"Ø STAINLESS STEEL OR SCHEDULE 80 PVC

WELL SCREEN #10 SLOT

- SILICA SAND PACK

SCHEDULE 80 PVC

2"Ø STAINLESS STEEL OR

WELL SCREEN #10 SLOT

- BENTONITE PELLET/CHIP SEAL

HOOKER/R	RUCO SITE
HICKSVILLE,	NEW YORK

BIOSPARGE TREATMENT SYSTEM

WELL DETAILS & LAVATORY PLUMBING

(CRA)	CRA & En	Infrasti gineerii	ructure ng, Inc
Source Reference:			Date:

7-23-03 Drawn By: Project Manager: Drawing No: NONE MP-05 06883-10

06883-10(045)MP-NF005 MAY 24/2005