

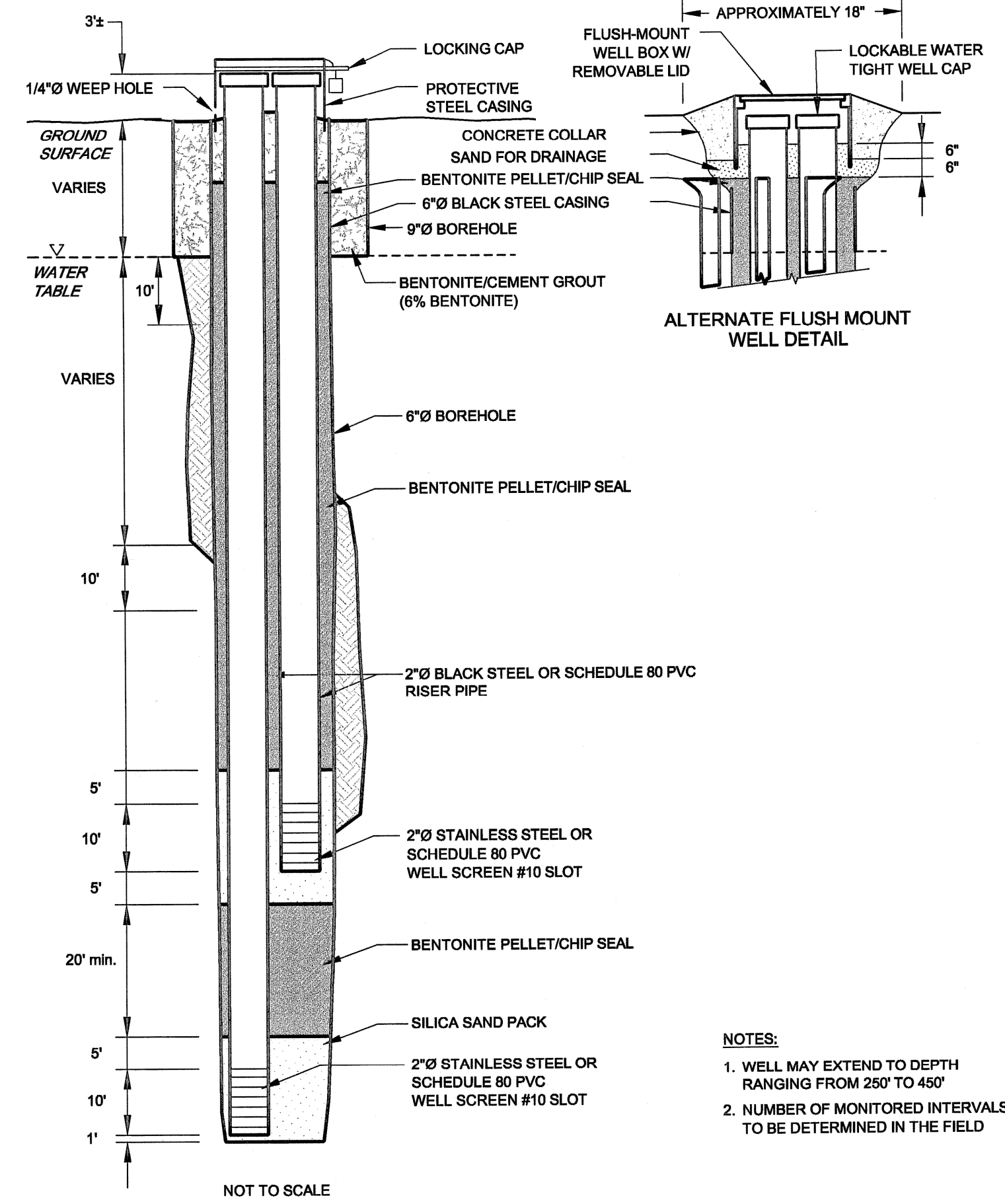
- GENERAL PLUMBING NOTES:**
1. ALL WORKS MUST COMPLY WITH NEW YORK PLUMBING CODE.
 2. REFER TO WRITTEN SPECIFICATIONS FOR SPECS ON FIXTURES, PIPING MATERIALS, INSTALLATIONS, ETC., UNLESS INDICATED OTHERWISE.
 3. THESE PLANS MAKE NO ATTEMPT TO SHOW ALL ITEMS REQUIRED FOR COMPLETE INSTALLATION. ALL FIXTURES 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

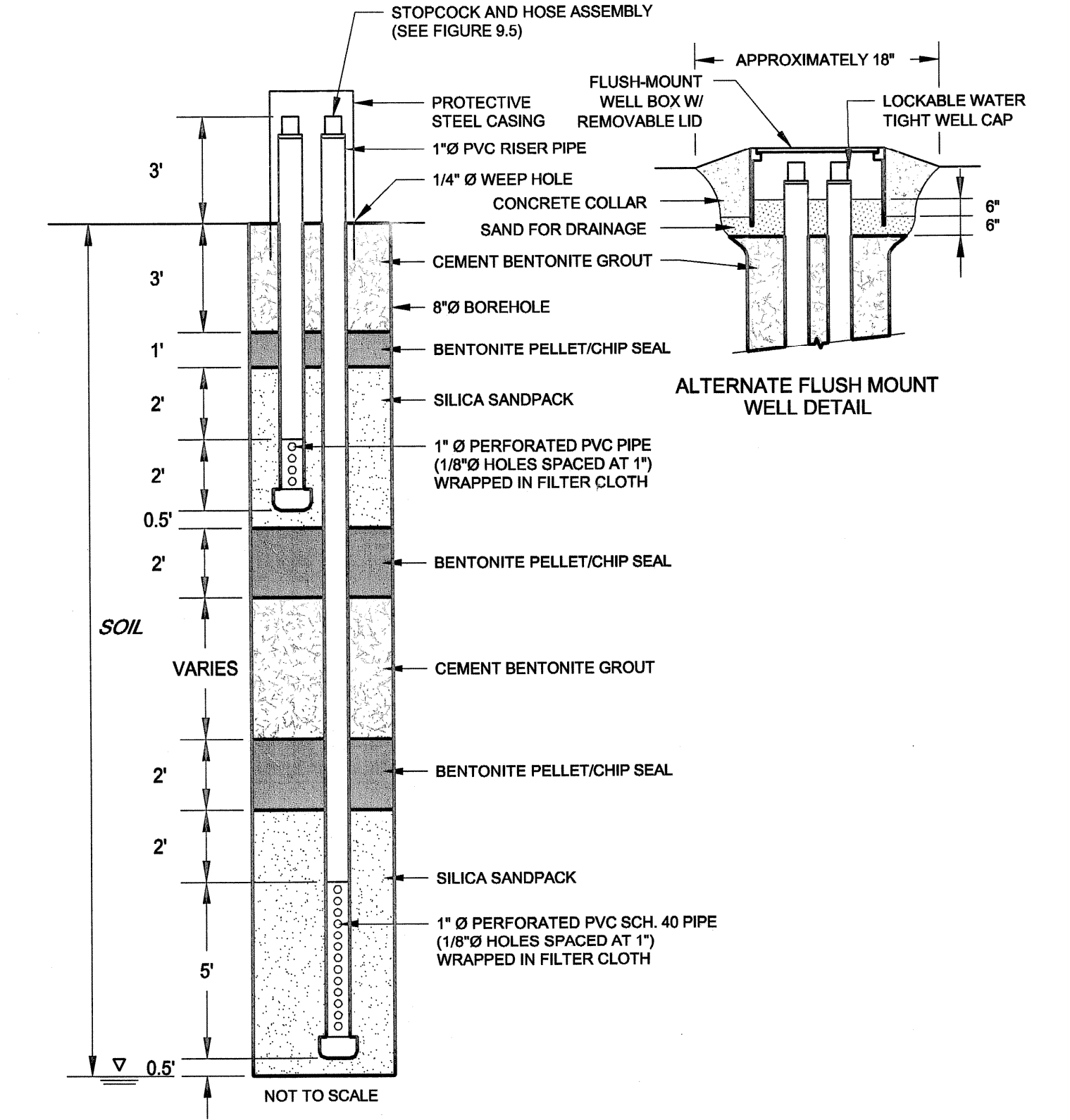
**Well Installation Estimated Depths
OU-3 Biosparge Remedy
Hooker/Ruco Site
Hicksville, New York**

	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 (ft. 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
- Deep	285	290	295	300	1.0	CS/SS
Vadose Zone Wells						
- Shallow	4	6	8	8.5	1.0	PVC
- Deep	53	55	60	60.5	1.0	PVC
Groundwater Wells						
- 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	360	365	370	375	1.0	PVC
Air-Injection Wells						
- 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						
- Shallow	300	305	315	320	2.0	SS or PVC
- Deep	340	345	355	356	2.0	SS or PVC

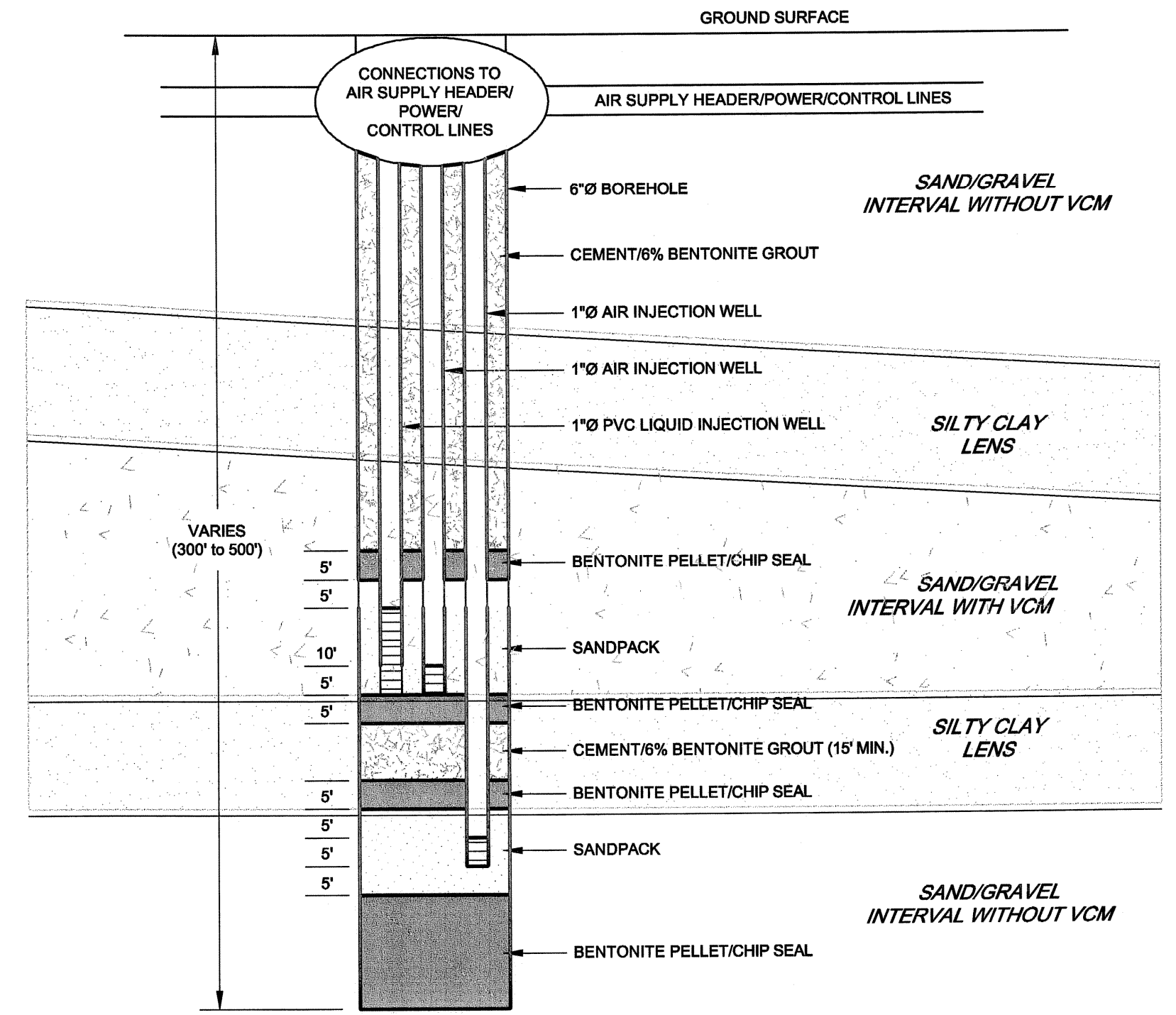
WELL INSTALLATION ESTIMATED DEPTHS



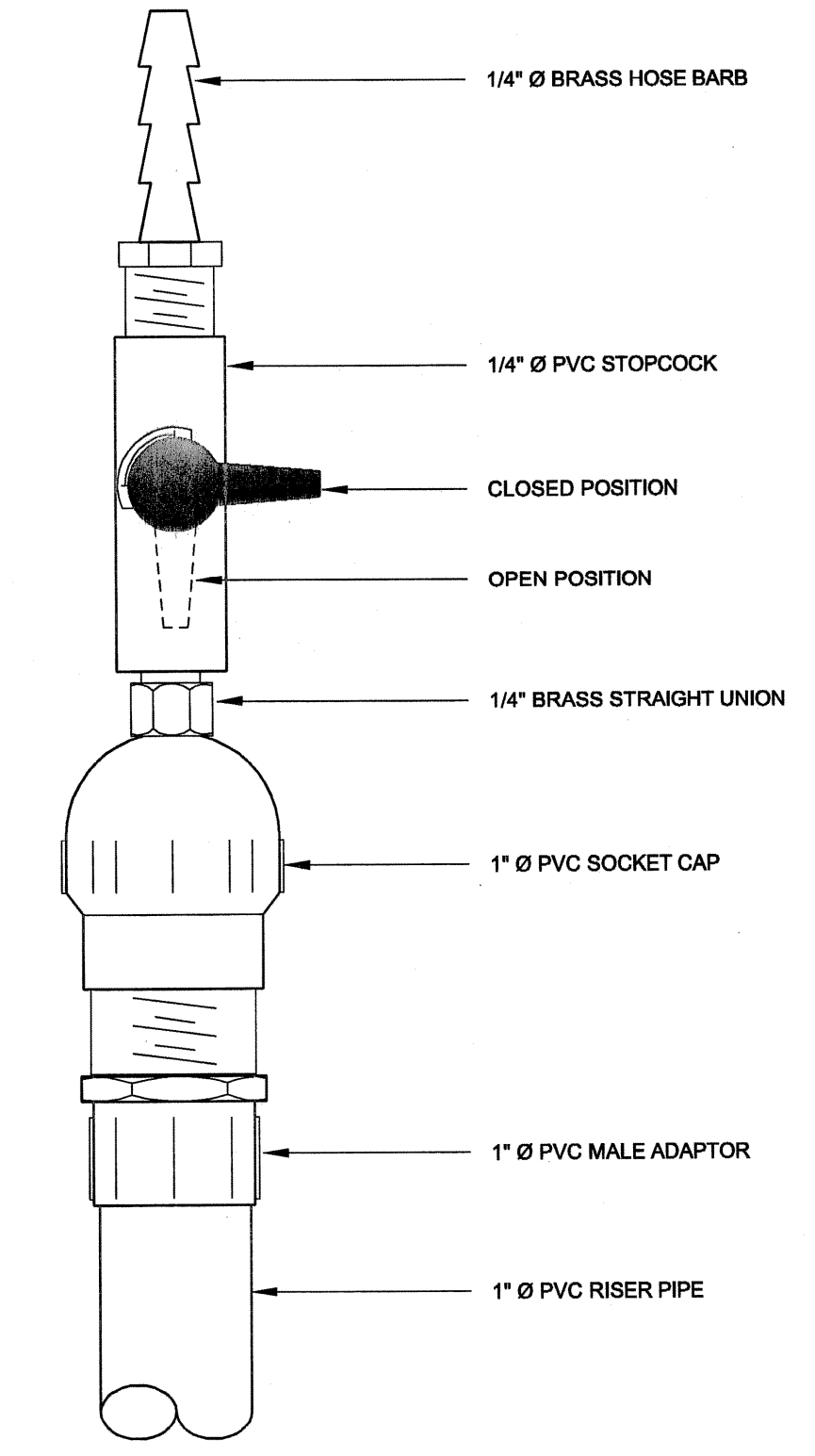
MONITORING WELL DETAIL



TYPICAL VADOSE ZONE MONITORING WELL



TYPICAL INJECTION WELL DETAIL



VADOSE ZONE MONITORING WELL

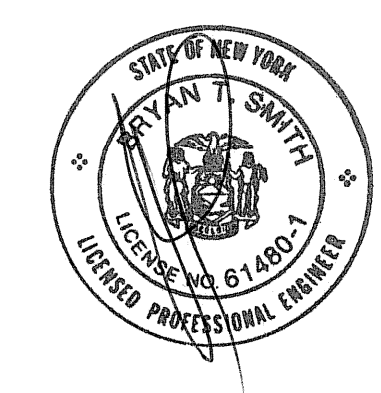
DATE PRINTED
5-25-05

100% REVIEW DRAWINGS
NOT FOR CONSTRUCTION

SCALE VERIFICATION: THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

No	Revision	Date	Initial

Approved



HOOKER/RUCO SITE
HICKVILLE, NEW YORK

BIOSPARGE TREATMENT SYSTEM

WELL DETAILS &
LAVATORY PLUMBING

CRA Infrastructure & Engineering, Inc.

Source Reference:		Date: 7-23-03	
Project Manager: J. KAY	Reviewed By:	Designed By:	Drawn By:
Scale: NONE	Project No: 06883-10	Report No: 045	Drawing No: MP-05