



OSWEGO CITY ENGINEER
WILLIAM J. BARLOW, JR. MAYOR

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January 31, 2020

Mr. Kevin Caraccioli, City Attorney
City of Oswego
13 West Oneida Street
Oswego, NY 13126

Re: **Monitoring Wells Verification**
NYSDEC Site Number 7-38-033
375 Mitchell Street
City of Oswego

Dear Mr. Caraccioli:

Please accept this letter as a summary of my verification of the location of 5 monitoring wells located at 375 Mitchell Street in Oswego. This site is identified as NYSDEC Site Number 7-38-033. As required in the Schedule of Compliance Item 11 (which was attached to a Notice of Violation dated October 2, 2019), I performed an unofficial survey to verify the location and elevations of 5 monitoring wells located on the subject property.

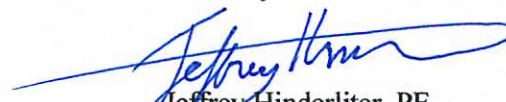
The survey was completed on Friday, January 24, 2020 at 2:00 pm in the afternoon. At the time of mapping, I did not have access to either the as-built construction drawings or the as-built survey that could provide me the information necessary to complete the verification. Therefore, an assumed benchmark was used to establish the elevations of the monitoring wells (as highlighted in the attachment).

Based upon field observations and the survey conducted by city staff, it is my opinion the monitoring wells are intact in their original locations. We were able to verify each well was accessible and secured, as shown in the attached pictures. Upon measuring the amount of fill that was placed against Monitoring Wells 1 and 2R, the DPW has agreed to remove the millings from around the wells to prevent any damage to the monitoring wells. This work will be done by hand to minimize the risk of damaging the monitoring wells.

I have attached an unofficial map showing the monitoring wells located on the latest mapping my office has for the subject property. As shown, the elevations do not match the data acquired from the 2016 Site Management Plan (SMP), Table 2. It is my opinion that this is due to (1) not having the original benchmark or construction information available, (2) not knowing where the elevation of each casing was physically taken, and (3) not knowing the equipment and tolerances being used to geolocate the wells for the SMP.

If there are any questions related to this work, please do not hesitate to contact me.

Sincerely,

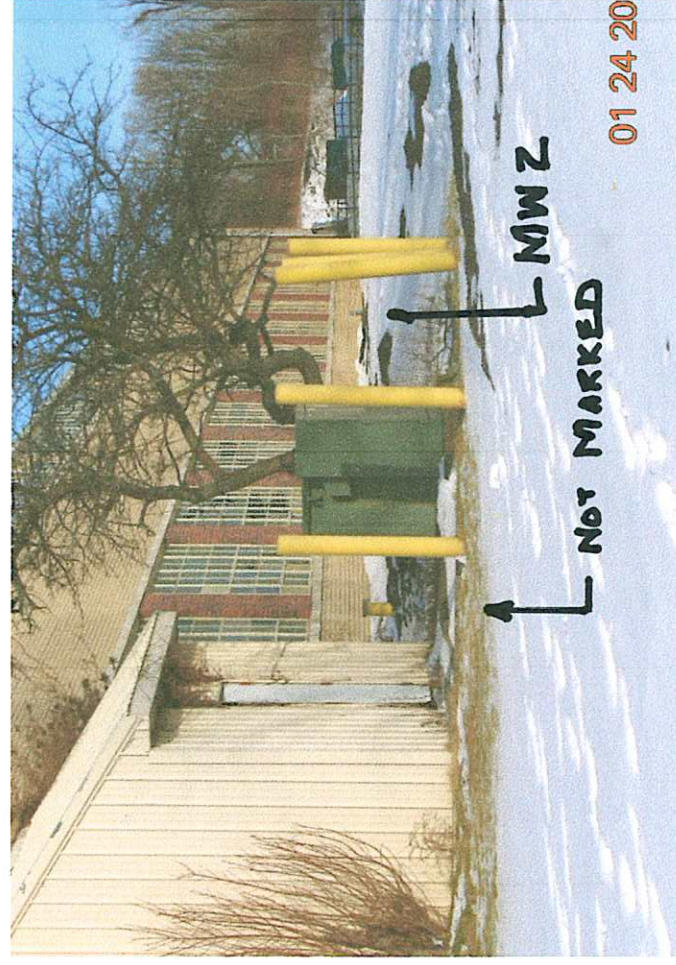
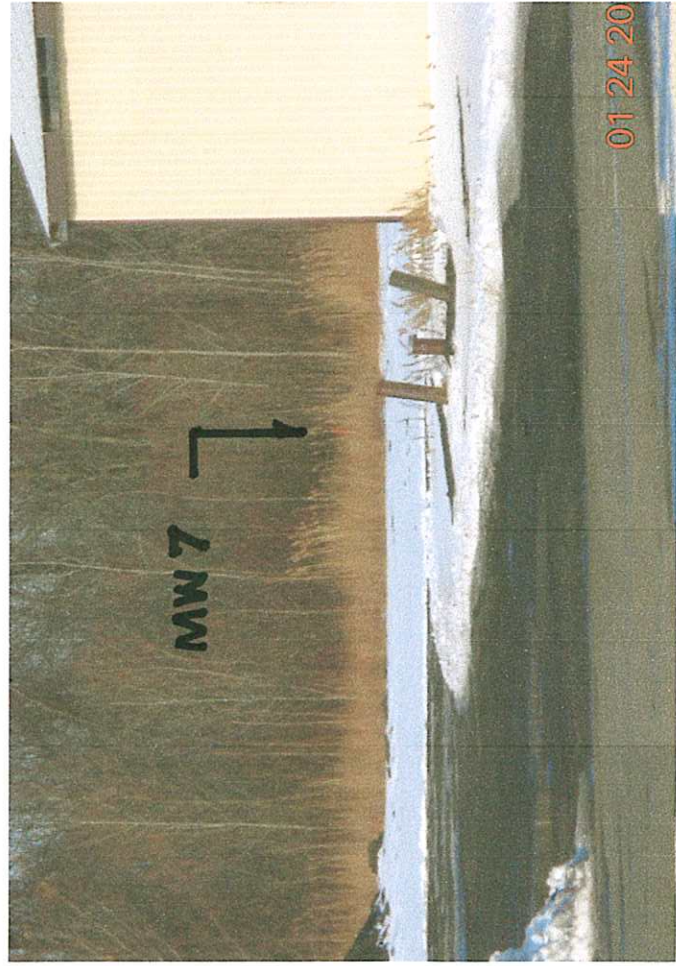
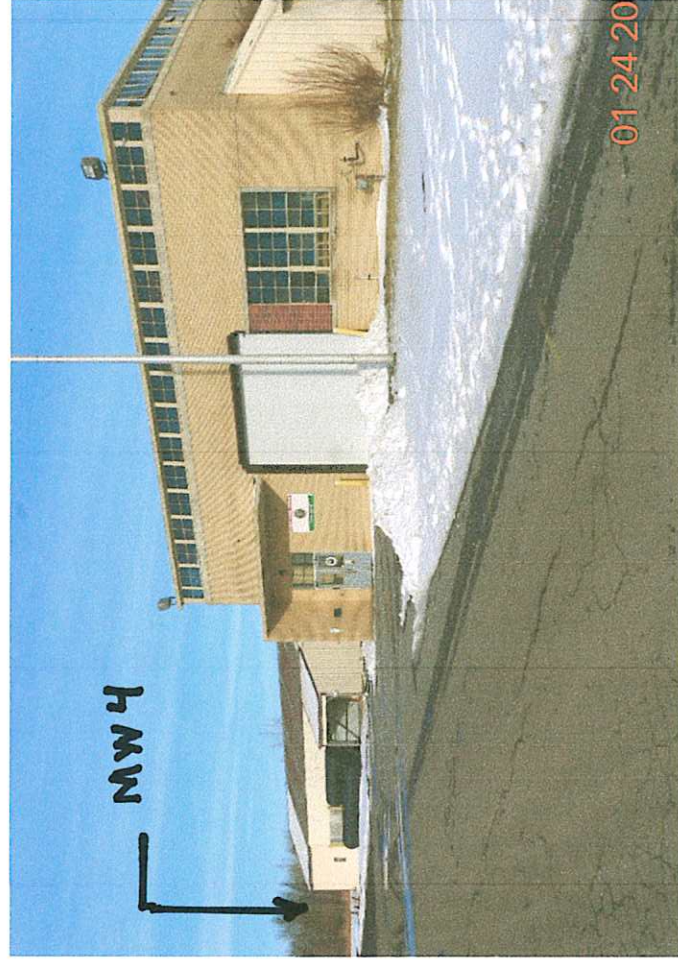


Jeffrey Hinderliter, PE
License # 093850

/dma

Attachments

c/Mayor, William J. Barlow, Jr. (by email)
Tom Kells, Commissioner of Public Works (by email)
File





PARRATT-WOLFF INC.
FISHER ROAD
EAST SYRACUSE
NEW YORK 13087
PHONE 315/487-1429

01 24 20

MW -1

8

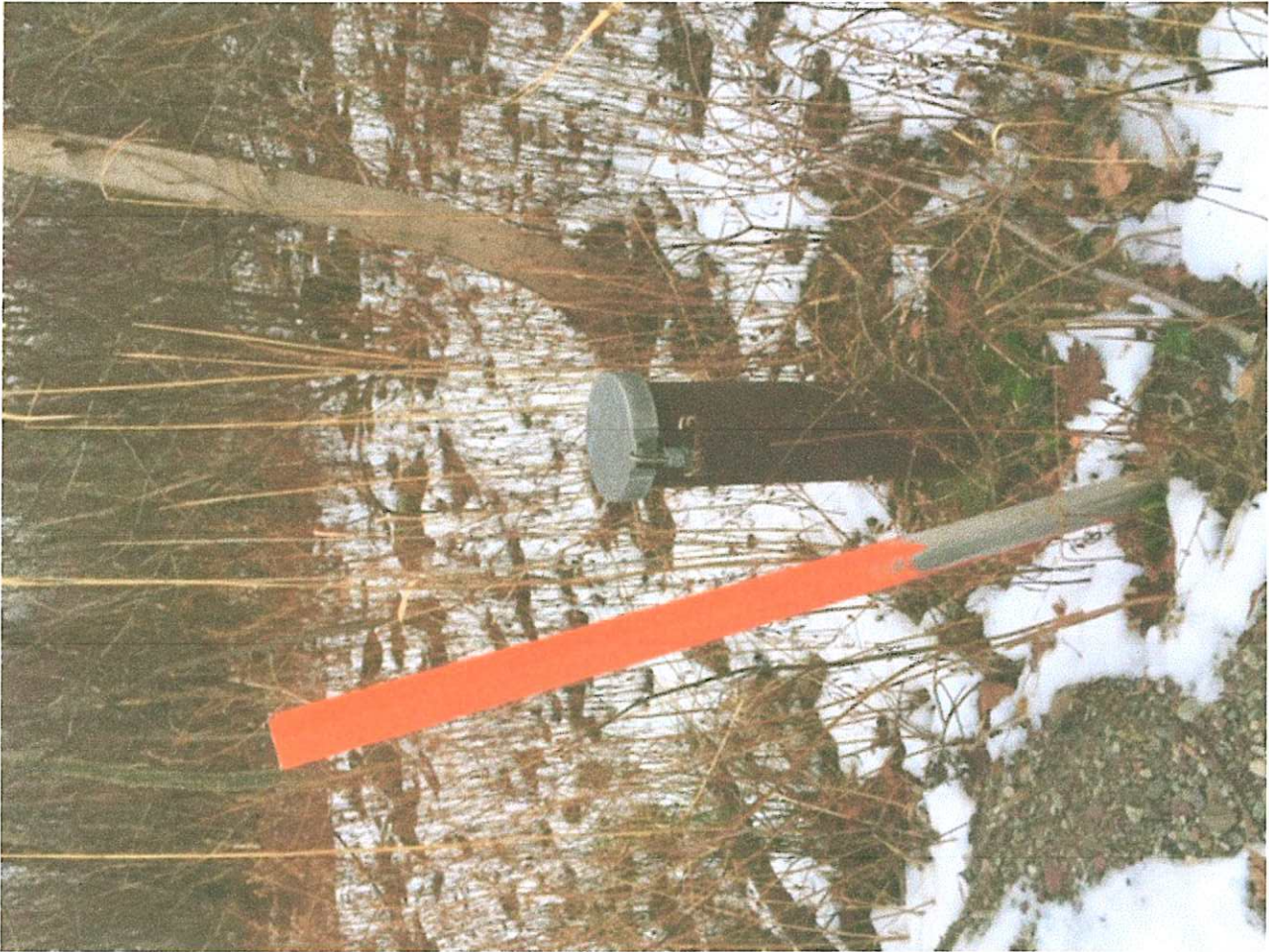


1
13"



Sent from my iPhone

2
9"



3
25"



#4
17"

Donna Archer

From: Robert Mcgrath <clubhouse4@me.com>
Sent: Wednesday, January 29, 2020 10:53 AM
To: Donna Archer
Subject: Oswego casting



5
48"



28"
#6

7
32"





MW-7



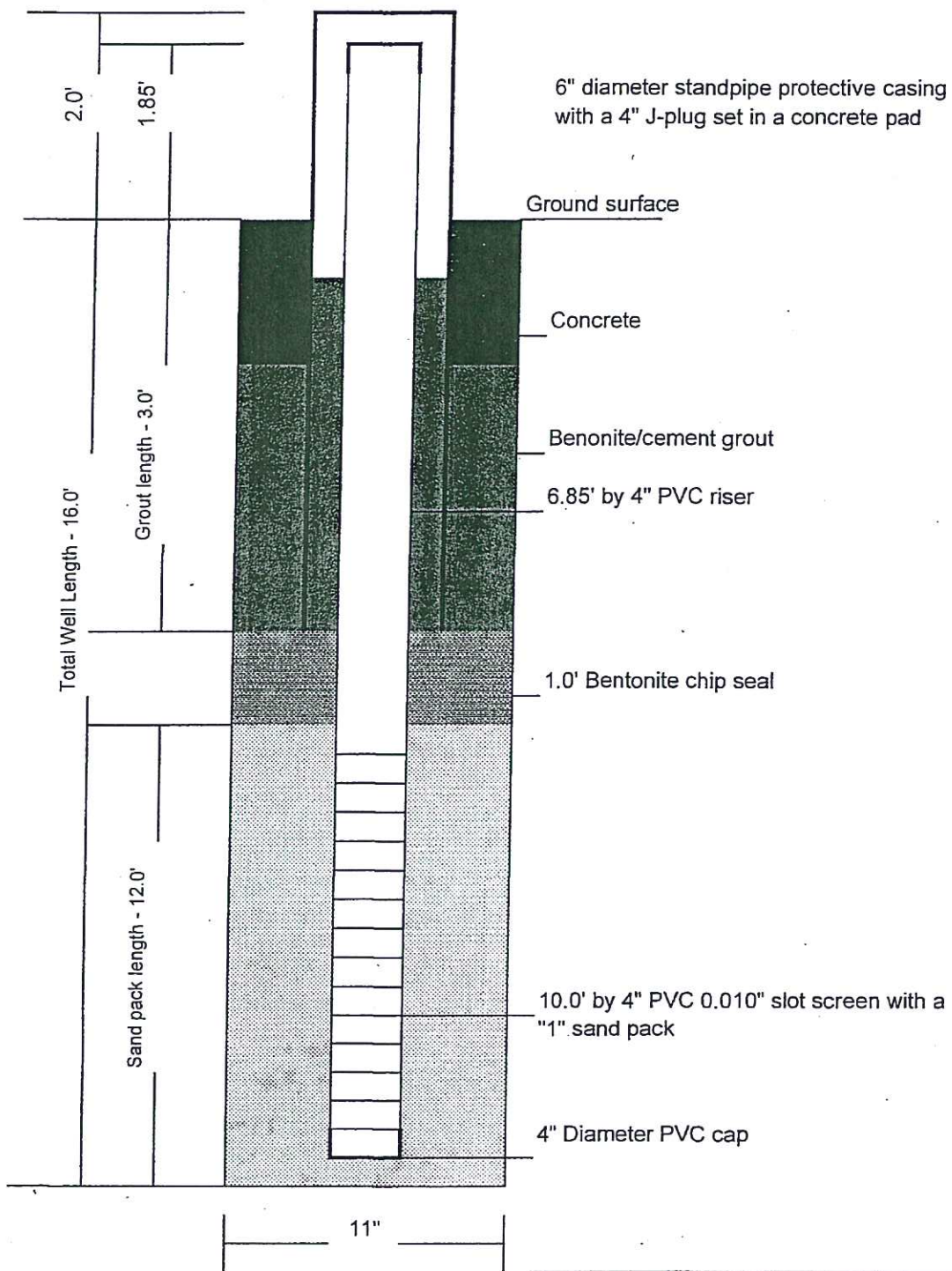
MW-4



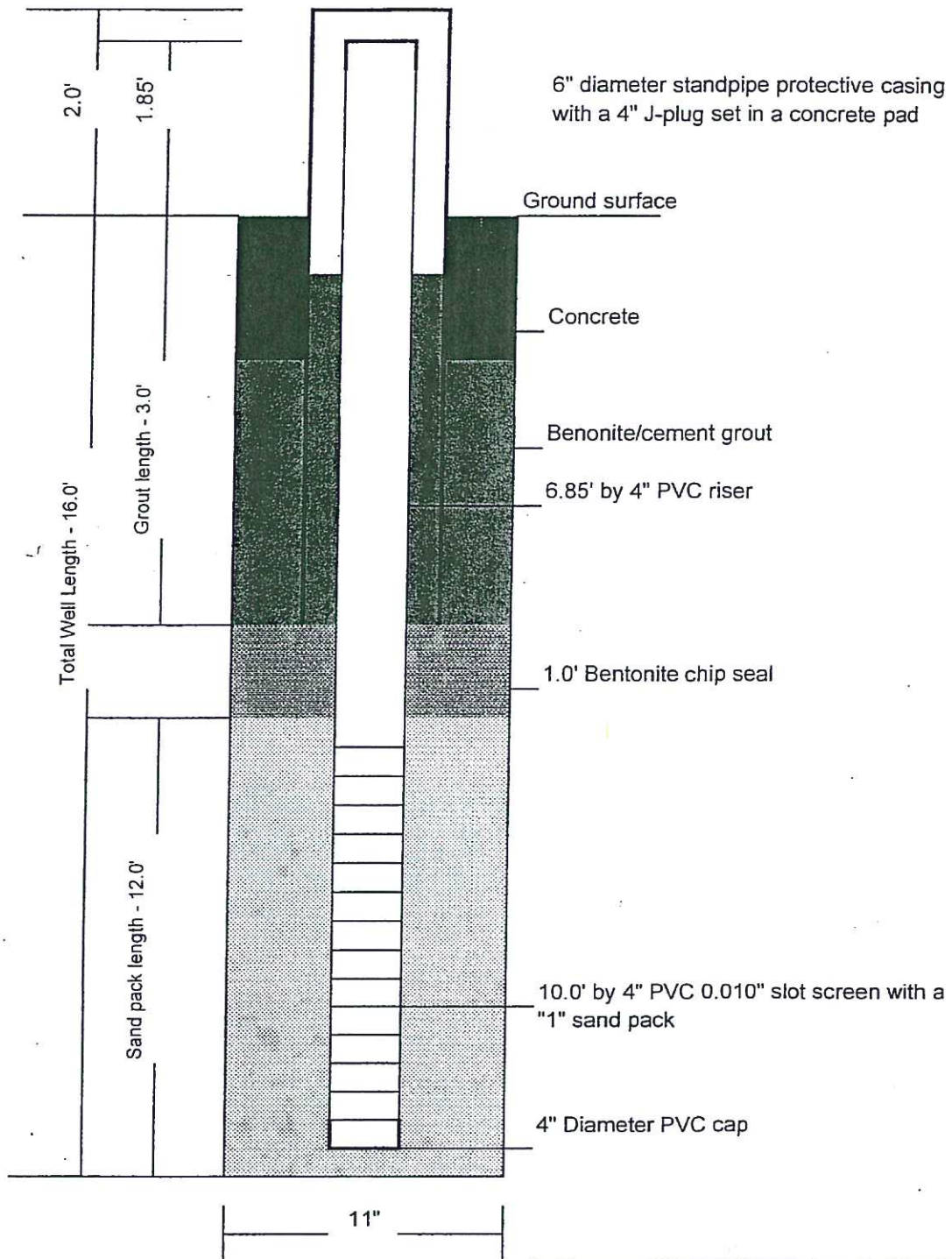
MW-3



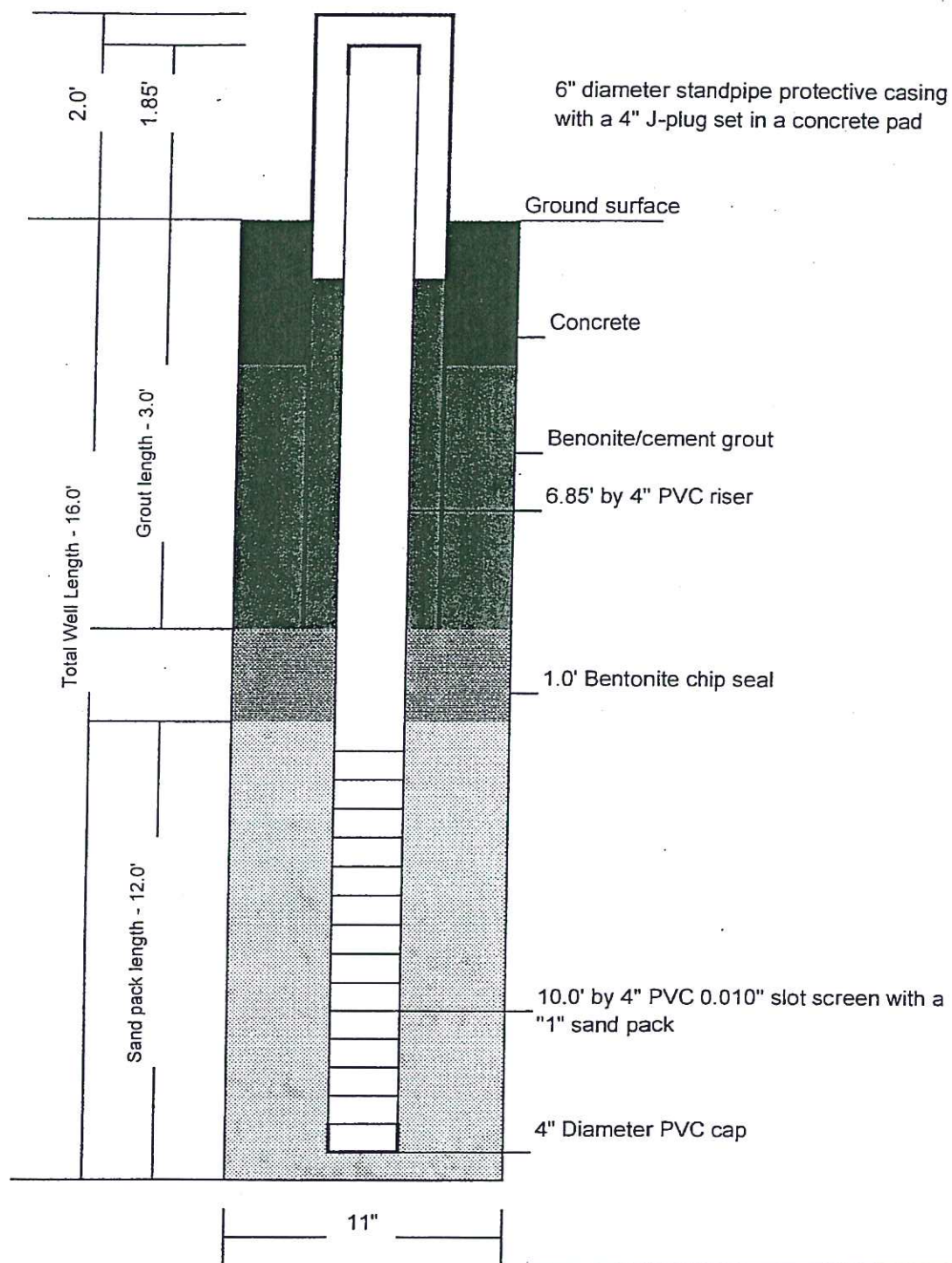
MW-2



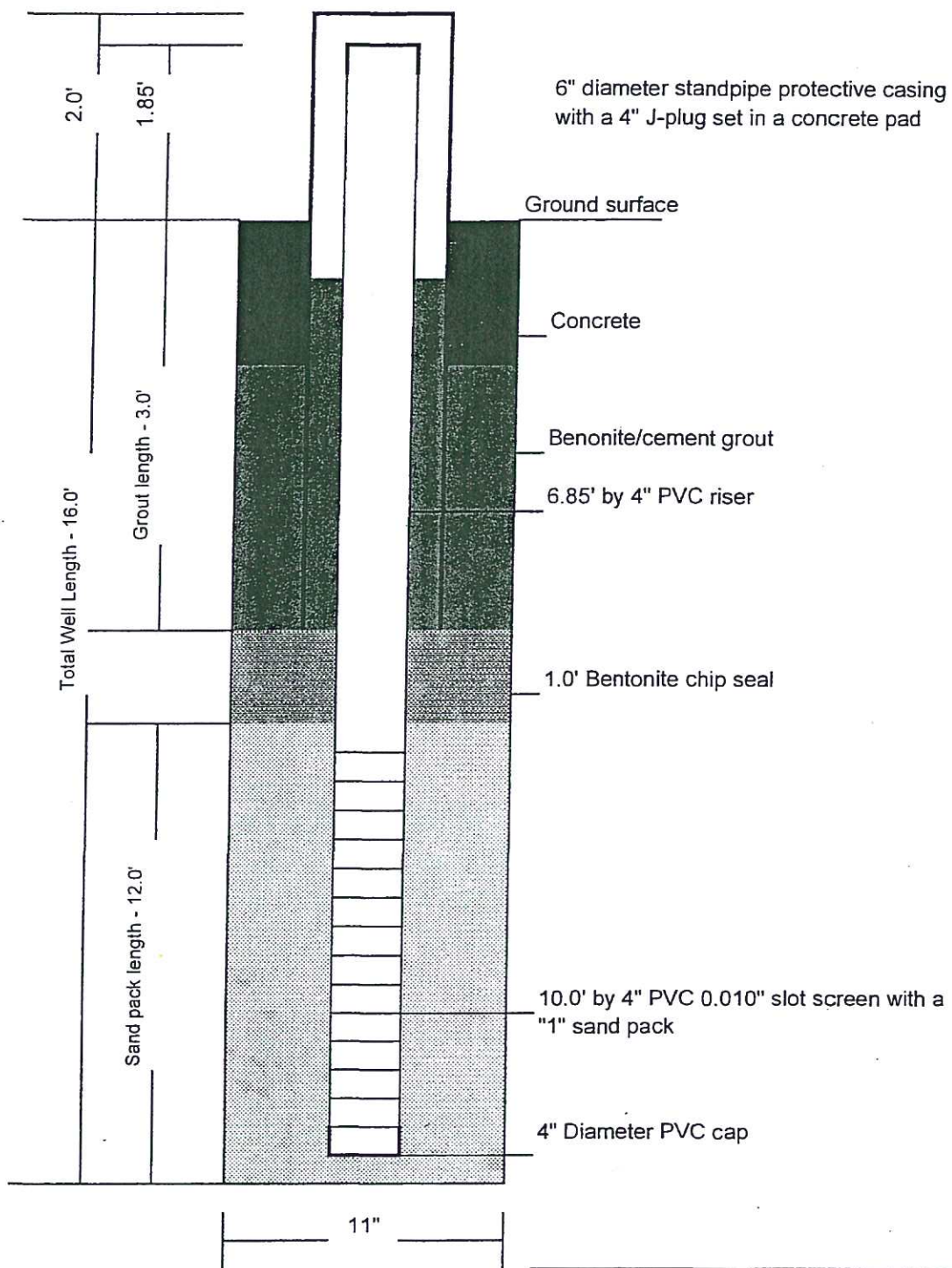
PARRATT-WOLFF INC.	
MONITORING WELL MW-1	
OSWEGO CASTINGS	
OSWEGO, NEW YORK	
NOT TO SCALE	AUGUST 2001



PARRATT-WOLFF INC.	
MONITORING WELL MW-2	
OSWEGO CASTINGS	
OSWEGO, NEW YORK	
NOT TO SCALE	AUGUST 2001



PARRATT-WOLFF INC.
MONITORING WELL MW-3
OSWEGO CASTINGS
OSWEGO, NEW YORK
NOT TO SCALE
AUGUST 2001



PARRATT-WOLFF INC.

MONITORING WELL MW-4

OSWEGO CASTINGS

OSWEGO, NEW YORK

NOT TO SCALE

AUGUST 2001

monitoring, 1 upgradient wells, 3 on-site wells and 3 downgradient wells are sampled to evaluate the effectiveness of the remedial system.

Table 2 – Monitoring Well Construction Details

Monitoring Well ID	Well Location	Coordinates (longitude/latitude)	Well Diameter (inches)	Elevation (above mean sea level)			
				Casing	Surface	Screen Top	Screen Bottom
MW-1	on-site	43.4734° N, - 76.4755° W	4	313.29	311.29	307.29	295.29
MW-2R	on-site	43.4735° N, - 76.4752° W	2	313.11	311.11	307.11	295.11
MW-3	downgradient	43.4747° N, - 76.4739° W	4	311.72	309.72	305.72	293.72
MW-4	on-site	43.4741° N, - 76.4759° W	4	312.45	310.45	306.45	294.45
MW-5	downgradient	43.4748° N, - 76.4773° W	2	312.70	308.00		
MW-6	upgradient	43.4739° N, - 76.4731° W	2	331.82	325.00		
MW-7	downgradient	43.4754° N, - 76.4758° W	2	314.11	309.00		

Monitoring well construction logs are included in Appendix H of this document.

If biofouling or silt accumulation occurs in the on-site and/or off-site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced, if an event renders the wells unusable.

Repairs and/or replacement of wells in the monitoring well network will be performed based on assessments of structural integrity and overall performance.

