
	PROJECT NAME:	Cottage-Garden Auto BCP				MONITORING WELL NO.	MW-1			
	PROJECT LOCATION:	26 Garden Street, New Rochelle, New York				JOB NO.	10491			
						GROUND ELEVATION:	Approx 80.0'			
BORING BY: All-Star Drilling	DATE STARTED	3/14/20	DEVELOPMENT PERIOD	N/A	INSIDE CASING DIAMETER (in)	1				
INSPECTOR: Jon Knittle	DATE COMPLETED	3/14/20	DEVELOPMENT METHOD	N/A	BOREHOLE DIAMETER (in)	1				
NJ DEP PERMIT NO.:	DATE DEVELOPED	Not Developed	DEVELOPMENT RATE	N/A	INITIAL WATER LEVEL (ft):	3.2				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing n/a Ground Surface 0 Top of Riser n/a Top of Seal 0 Top of Sand Pack 1 Top of Screen 4 Bottom of Screen 9 Bottom of Boring 9.20 Remarks Temporary 1" PVC 2.63" Stick-Up Well, Not Developed									Installed by Direct-Push Method, No Soils Extracted	
Casing Type: None		5								
Well Cap: J-Plug										
Grout Type										
Bentonite										
Well Key: No		10							Complete at 9.20 Feet	
Riser Pipe: PVC										
Sand/Gravel Pack Size: #2		20								
Screen Size: 0.010"										
		25								
		30								
		35								
		40								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:				MONITORING WELL NO.					
	PROJECT LOCATION:				JOB NO.					
					GROUND ELEVATION:					
BORING BY:	DATE STARTED		DEVELOPMENT PERIOD		INSIDE CASING DIAMETER (in)					
INSPECTOR:	DATE COMPLETED		DEVELOPMENT METHOD		BOREHOLE DIAMETER (in)					
NJ DEP PERMIT NO.:	DATE DEVELOPED		DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):					
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
				0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing # _____ Ground Surface 0 Top of Riser # _____ Top of Seal # _____ Top of Sand Pack # _____ Top of Screen # _____ Bottom of Screen # _____ Bottom of Boring # _____ Remarks		45								
Casing Type: Well Cap: Grout Type: Well Key: Riser Pipe: Sand/Gravel Pack Size: #2 Sand Screen Size:		50								
		55								
		60								
		25								
		65								
		70								
		75								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:	Cottage-Garden Auto BCP			MONITORING WELL NO.	MW-2				
	PROJECT LOCATION:	26 Garden Street, New Rochelle, New York			JOB NO.	10491				
					GROUND ELEVATION:	Approx 80.0'				
BORING BY: All-Star Drilling	DATE STARTED	3/14/20	DEVELOPMENT PERIOD	N/A	INSIDE CASING DIAMETER (in)	1				
INSPECTOR: Jon Knittle	DATE COMPLETED	3/14/20	DEVELOPMENT METHOD	N/A	BOREHOLE DIAMETER (in)	1				
NJ DEP PERMIT NO.:	DATE DEVELOPED	Not Developed	DEVELOPMENT RATE	N/A	INITIAL WATER LEVEL (ft):	2.26				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing n/a Ground Surface 0 Top of Riser n/a Top of Seal 0 Top of Sand Pack 1 Top of Screen 4 Bottom of Screen 14.0 Bottom of Boring 14.0 Remarks Temporary 1" Stick-Up Well at 1.10', Not Developed									Installed by Direct-Push Method, No Soils Extracted	
Casing Type: None		5								
Well Cap: J-Plug										
Grout Type										
Bentonite										
Well Key: No		10								
Riser Pipe: PVC										
		15							Complete at 14.0'	
Sand/Gravel Pack Size: #2		20								
Screen Size: 0.010"		25								
		30								
		35								
		40								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:				MONITORING WELL NO.						
	PROJECT LOCATION:				JOB NO.						
					GROUND ELEVATION:						
BORING BY:	DATE STARTED	DEVELOPMENT PERIOD		INSIDE CASING DIAMETER (in)							
INSPECTOR:	DATE COMPLETED	DEVELOPMENT METHOD		BOREHOLE DIAMETER (in)							
NJ DEP PERMIT NO.:	DATE DEVELOPED	DEVELOPMENT RATE		# gpm	INITIAL WATER LEVEL (ft):						
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION		P.I.D.
				0/6	6/12	12/18	18/24				
Depth (feet below grade) Top of Casing # _____ Ground Surface 0 Top of Riser # _____ Top of Seal # _____ Top of Sand Pack # _____ Top of Screen # _____ Bottom of Screen # _____ Bottom of Boring # _____ Remarks _____		45									
Casing Type: _____ Well Cap: _____ Grout Type: _____ Well Key: _____ Riser Pipe: _____ Sand/Gravel Pack Size: #2 Sand Screen Size: _____		50									
		55									
		60									
		25									
		65									
		70									
		75									


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	PROJECT NAME:	Cottage-Garden Auto BCP				MONITORING WELL NO.	MW-3			
	PROJECT LOCATION:	26 Garden Street, New Rochelle, New York				JOB NO.	10491			
						GROUND ELEVATION:	Approx 80.0'			
BORING BY: All-Star Drilling	DATE STARTED	3/14/20	DEVELOPMENT PERIOD	N/A	INSIDE CASING DIAMETER (in)	1				
INSPECTOR: Jon Knittle	DATE COMPLETED	3/14/20	DEVELOPMENT METHOD	N/A	BOREHOLE DIAMETER (in)	1				
NJ DEP PERMIT NO.:	DATE DEVELOPED	Not Developed	DEVELOPMENT RATE	N/A	INITIAL WATER LEVEL (ft):	2.14				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing n/a Ground Surface 0 Top of Riser n/a Top of Seal 0 Top of Sand Pack 1 Top of Screen 4 Bottom of Screen 14.0 Bottom of Boring 14.0 Remarks Temporary 1" Stick-Up Well at 0.7', Not Developed									Installed by Direct-Push Method, No Soils Extracted	
Casing Type: None		5								
Well Cap: J-Plug										
Grout Type										
Bentonite										
Well Key: No		10								
Riser Pipe: PVC										
		15							Complete at 14.0'	
Sand/Gravel Pack Size: #2		20								
Screen Size: 0.010"										
		25								
		30								
		35								
		40								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:				MONITORING WELL NO.					
	PROJECT LOCATION:				JOB NO.					
					GROUND ELEVATION:					
BORING BY:	DATE STARTED		DEVELOPMENT PERIOD		INSIDE CASING DIAMETER (in)					
INSPECTOR:	DATE COMPLETED		DEVELOPMENT METHOD		BOREHOLE DIAMETER (in)					
NJ DEP PERMIT NO.:	DATE DEVELOPED		DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):					
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
				0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing # _____ Ground Surface 0 Top of Riser # _____ Top of Seal # _____ Top of Sand Pack # _____ Top of Screen # _____ Bottom of Screen # _____ Bottom of Boring # _____ Remarks _____		45								
Casing Type: _____ Well Cap: _____ Grout Type: _____ Well Key: _____ Riser Pipe: _____ Sand/Gravel Pack Size: #2 Sand Screen Size: _____		50								
		55								
		60								
		25								
		65								
		70								
		75								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:	Cottage-Garden Auto BCP				MONITORING WELL NO.	MW-4			
	PROJECT LOCATION:	26 Garden Street, New Rochelle, New York				JOB NO.	10491			
						GROUND ELEVATION:	Approx 80.0'			
BORING BY: All-Star Drilling	DATE STARTED	3/14/20	DEVELOPMENT PERIOD	N/A	INSIDE CASING DIAMETER (in)	1				
INSPECTOR: Jon Knittle	DATE COMPLETED	3/14/20	DEVELOPMENT METHOD	N/A	BOREHOLE DIAMETER (in)	1				
NJ DEP PERMIT NO.:	DATE DEVELOPED	Not Developed	DEVELOPMENT RATE	N/A	INITIAL WATER LEVEL (ft):	2.48				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing n/a Ground Surface 0 Top of Riser n/a Top of Seal 0 Top of Sand Pack 1 Top of Screen 4 Bottom of Screen 14.0 Bottom of Boring 14.0 Remarks Temporary 1" Stick-Up Well at 0.7', Not Developed									Installed by Direct-Push Method, No Soils Extracted	
Casing Type: None Well Cap: J-Plug Grout Type Bentonite Well Key: No Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"		5								
		10								
		15							Complete at 14.0'	
		20								
		25								
		30								
		35								
		40								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:				MONITORING WELL NO.					
	PROJECT LOCATION:				JOB NO.					
					GROUND ELEVATION:					
BORING BY:	DATE STARTED		DEVELOPMENT PERIOD		INSIDE CASING DIAMETER (in)					
INSPECTOR:	DATE COMPLETED		DEVELOPMENT METHOD		BOREHOLE DIAMETER (in)					
NJ DEP PERMIT NO.:	DATE DEVELOPED		DEVELOPMENT RATE	# gpm	INITIAL WATER LEVEL (ft):					
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
				0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing # _____ Ground Surface 0 Top of Riser # _____ Top of Seal # _____ Top of Sand Pack # _____ Top of Screen # _____ Bottom of Screen # _____ Bottom of Boring # _____ Remarks _____		45								
Casing Type: _____ Well Cap: _____ Grout Type: _____ Well Key: _____ Riser Pipe: _____ Sand/Gravel Pack Size: #2 Sand Screen Size: _____		50								
		55								
		60								
		25								
		65								
		70								
		75								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:	Cottage-Garden Auto BCP			MONITORING WELL NO.	MW-5				
	PROJECT LOCATION:	26 Garden Street, New Rochelle, New York			JOB NO.	10491				
					GROUND ELEVATION:	Approx 80.0'				
BORING BY: All-Star Drilling	DATE STARTED	3/14/20	DEVELOPMENT PERIOD	N/A	INSIDE CASING DIAMETER (in)	1				
INSPECTOR: Jon Knittle	DATE COMPLETED	3/14/20	DEVELOPMENT METHOD	N/A	BOREHOLE DIAMETER (in)	1				
NJ DEP PERMIT NO.:	DATE DEVELOPED	Not Developed	DEVELOPMENT RATE	N/A	INITIAL WATER LEVEL (ft):	2.63				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing n/a Ground Surface 0 Top of Riser n/a Top of Seal 0 Top of Sand Pack 1 Top of Screen 4 Bottom of Screen 14.0 Bottom of Boring 14.0 Remarks Temporary 1" Stick-Up Well at 0.6', Not Developed									Installed by Direct-Push Method, No Soils Extracted	
Casing Type: None		5								
Well Cap: J-Plug										
Grout Type										
Bentonite										
Well Key: No		10								
Riser Pipe: PVC										
		15							Complete at 14.0'	
Sand/Gravel Pack Size: #2		20								
Screen Size: 0.010"										
		25								
		30								
		35								
		40								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:				MONITORING WELL NO.					
	PROJECT LOCATION:				JOB NO.					
					GROUND ELEVATION:					
BORING BY:	DATE STARTED	DEVELOPMENT PERIOD		INSIDE CASING DIAMETER (in)						
INSPECTOR:	DATE COMPLETED	DEVELOPMENT METHOD		BOREHOLE DIAMETER (in)						
NJ DEP PERMIT NO.:	DATE DEVELOPED	DEVELOPMENT RATE		# gpm	INITIAL WATER LEVEL (ft):					
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
				0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing # _____ Ground Surface 0 Top of Riser # _____ Top of Seal # _____ Top of Sand Pack # _____ Top of Screen # _____ Bottom of Screen # _____ Bottom of Boring # _____ Remarks _____		45								
Casing Type: _____ Well Cap: _____ Grout Type: _____ Well Key: _____ Riser Pipe: _____ Sand/Gravel Pack Size: #2 Sand Screen Size: _____		50								
		55								
		60								
		25								
		65								
		70								
		75								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:	Cottage place			MONITORING WELL NO.	MW-1			
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491			
					GROUND ELEVATION:	82.45'			
BORING BY: Aarco	DATE STARTED	5/10/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2"			
INSPECTOR: JCS	DATE COMPLETED	5/10/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4"			
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/13/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	15.48			
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon				REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
			0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing 0 Ground Surface 0 Top of Riser 6± Top of Seal 8± Top of Sand Pack 10.50± Top of Screen 13.50± Bottom of Screen 23.50± Bottom of Boring 23.50± Remarks	0							0	
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"	5						Light brown coarse to fine SAND, little Silt, trace Clay	0	
	10						Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0	
	15						Gray brown coarse to fine SAND, little Silt, coarse to fine Gravel	0	
	20						Hit refusal with auger at 15' (bedrock/weathered rock), switched to air rotary	0	
	25						Fracture in rock encountered at 21'	0	
	30						Complete at 23.50± Feet	0	
	35							0	
	40							0	

Approximate Change in Strata: _____ Inferred Change in Strata: - - - - -


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	PROJECT NAME:	Cottage place			MONITORING WELL NO.	MW-2				
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491				
					GROUND ELEVATION:	82.92'				
BORING BY: Aarco	DATE STARTED	5/10/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2				
INSPECTOR: JCS	DATE COMPLETED	5/10/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4				
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/13/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	18.83				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing Ground Surface Top of Riser Top of Seal Top of Sand Pack Top of Screen Bottom of Screen Bottom of Boring Remarks		0							0	
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: No Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"		6±							0	
		5						Brown coarse to fine SAND, some Silt, little Clay	0	
		13±							0	
		15±						Light brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0	
		17±							0	
		20							0	
		25							0	
		30						Gray brown fine SAND, little Silt, trace fine Gravel	0	
		35						Complete at 27.00± Feet		
		27±								
		27±								
		40								

Approximate Change in Strata: _____ Inferred Change in Strata: - - - - -


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FIGURE 4.2

	PROJECT NAME:	Cottage place			MONITORING WELL NO.	MW-3D				
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491				
					GROUND ELEVATION:	83.31				
BORING BY: Aarco	DATE STARTED	5/13/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2				
INSPECTOR: JCS	DATE COMPLETED	5/13/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	6				
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/14/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	18.2				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing # 0 Ground Surface 0 Top of Riser 6"± Top of Seal 25± Top of Sand Pack 31± Top of Screen 34.50± Bottom of Screen 44.50± Bottom of Boring 44.50± Remarks		0							0	
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: No Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"		45							Brown fine SAND, little Silt, trace fine Gravel	0
		50							Complete at 44.50± Feet	
		55								
		60								
		65								
		70								
		75								


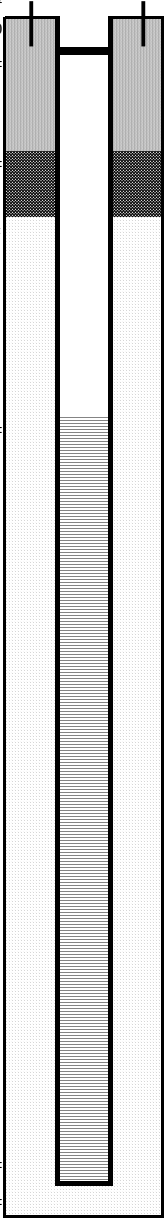
Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:	Cottage place			MONITORING WELL NO.	MW-3S				
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491				
					GROUND ELEVATION:	83.25'				
BORING BY: Aarco	DATE STARTED	5/13/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2				
INSPECTOR: JCS	DATE COMPLETED	5/13/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4				
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/13/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	17.54				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade)										
Top of Casing	#	0								0
Ground Surface		0								0
Top of Riser	6"±	5							Light brown coarse to fine SAND, some Silt, little Clay	0
Top of Seal	12±	10								0
Top of Sand Pack	14±	10							Brown coarse to fine SAND, little Silt, trace Clay	0
Top of Screen	16.50±	15								0
		20								0
		25								0
		30							Gray brown fine SAND, little Silt, trace fine Gravel	0
		35							Complete at 26.50± Feet	
Bottom of Screen	26.50±	40								
Bottom of Boring	26.50±									
Remarks										


Approximate Change in Strata: _____ Inferred Change in Strata: - - - - -

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	PROJECT NAME:	Cottage place			MONITORING WELL NO.	MW-4				
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491				
					GROUND ELEVATION:	82.83				
BORING BY: Aarco	DATE STARTED	5/14/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2				
INSPECTOR: JCS	DATE COMPLETED	5/14/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4				
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/14/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	18.77				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing 0 Ground Surface 0 Top of Riser 6± Top of Seal 10± Top of Sand Pack 13± Top of Screen 15.50± Bottom of Screen 25.50± Bottom of Boring 25.50± Remarks										
#  Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: No Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"		5						Brown coarse to fine SAND, some Silt, little Clay	0	
		10							Light brown coarse to fine SAND, little Silt, trace Clay	0
		15								0
		20								0
		25							Gray brown fine SAND, little Silt, trace fine Gravel.	0
		30							Complete at 25.0± Feet	
		35								
		40								

Approximate Change in Strata: _____ Inferred Change in Strata: - - - - -


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	PROJECT NAME:	Cottage place			MONITORING WELL NO.	MW-5				
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491				
					GROUND ELEVATION:	83.65'				
BORING BY: Aarco	DATE STARTED	5/13/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2				
INSPECTOR: JCS	DATE COMPLETED	5/13/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4				
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/14/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	18.06				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
				0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing # 0 Ground Surface 0 Top of Riser 6"± Top of Seal 13"± Top of Sand Pack 15"± Top of Screen 17"± Bottom of Screen 27"± Bottom of Boring 27"± Remarks		0							0	
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: No Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"		5							0	
		10							0	
		15						Light brown coarse to fine SAND, some Silt, little Clay	0	
		20							0	
		25							0	
		30						Gray brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0	
		35						Complete at 27.0± Feet	0	
		40							0	

Approximate Change in Strata: _____ Inferred Change in Strata: - - - - -


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FIGURE 4.2

	PROJECT NAME:	Cottage place			MONITORING WELL NO.	MW-1			
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491			
					GROUND ELEVATION:	82.45'			
BORING BY: Aarco	DATE STARTED	5/10/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2"			
INSPECTOR: JCS	DATE COMPLETED	5/10/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4"			
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/13/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	15.48			
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon				REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
			0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing 0 Ground Surface 0 Top of Riser 6± Top of Seal 8± Top of Sand Pack 10.50± Top of Screen 13.50± Bottom of Screen 23.50± Bottom of Boring 23.50± Remarks	0							0	
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"	5						Light brown coarse to fine SAND, little Silt, trace Clay	0	
	10						Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0	
	15						Gray brown coarse to fine SAND, little Silt, coarse to fine Gravel	0	
	20						Hit refusal with auger at 15' (bedrock/weathered rock), switched to air rotary	0	
	25						Fracture in rock encountered at 21'	0	
	30						Complete at 23.50± Feet	0	
	35							0	
	40							0	


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:	Cottage place				MONITORING WELL NO.	MW-2			
	PROJECT LOCATION:	New Rochelle, NY				JOB NO.	10491			
						GROUND ELEVATION:	82.92'			
BORING BY: Aarco	DATE STARTED	5/10/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2				
INSPECTOR: JCS	DATE COMPLETED	5/10/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4				
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/13/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	18.83				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing Ground Surface Top of Riser Top of Seal Top of Sand Pack Top of Screen Bottom of Screen Bottom of Boring Remarks		0								0
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: No Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"		6±								0
		13±							Brown coarse to fine SAND, some Silt, little Clay	0
		15±							Light brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
		17±								0
		27±							Gray brown fine SAND, little Silt, trace fine Gravel	0
		27±							Complete at 27.00± Feet	
		40								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:	Cottage place				MONITORING WELL NO.	MW-3S			
	PROJECT LOCATION:	New Rochelle, NY				JOB NO.	10491			
						GROUND ELEVATION:	83.25'			
BORING BY: Aarco	DATE STARTED	5/13/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2				
INSPECTOR: JCS	DATE COMPLETED	5/13/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4				
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/13/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	17.54				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
				0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing # 0 Ground Surface 0 Top of Riser 6"± Top of Seal 12"± Top of Sand Pack 14"± Top of Screen 16.50± Bottom of Screen 26.50± Bottom of Boring 26.50± Remarks		0							0	
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: No Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"		5							Light brown coarse to fine SAND, some Silt, little Clay	0
		10							Brown coarse to fine SAND, little Silt, trace Clay	0
		15								0
		20								0
		25								0
		30							Gray brown fine SAND, little Silt, trace fine Gravel	0
		35							Complete at 26.50± Feet	
		40								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:	Cottage place				MONITORING WELL NO.	MW-3D			
	PROJECT LOCATION:	New Rochelle, NY				JOB NO.	10491			
						GROUND ELEVATION:	83.31'			
BORING BY: Aarco	DATE STARTED	5/13/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2				
INSPECTOR: JCS	DATE COMPLETED	5/14/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	6				
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/14/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	18.2				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
				0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing # 0 Ground Surface 0 Top of Riser 6± Top of Seal 25± Top of Sand Pack 31± Top of Screen 34.50± Bottom of Screen 44.50± Bottom of Boring 44.50± Remarks		0							0	
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: No Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"		5							Light brown coarse to fine SAND, some Silt, little Clay	0
		10							Brown coarse to fine SAND, little Silt, trace Clay	0
		15								0
		20								0
		25								0
		30							Gray brown fine SAND, little Silt, trace fine Gravel	0
		35								0
		40							Brown fine SAND, little Silt, trace fine Gravel	0


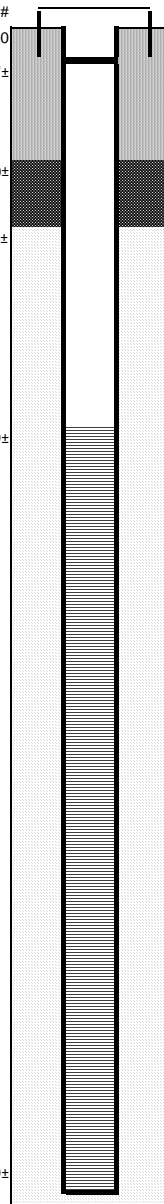
Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:	Cottage place				MONITORING WELL NO.	MW-3D			
	PROJECT LOCATION:	New Rochelle, NY				JOB NO.	10491			
						GROUND ELEVATION:	83.31			
BORING BY: Aarco	DATE STARTED	5/13/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2				
INSPECTOR: JCS	DATE COMPLETED	5/13/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	6				
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/14/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	18.2				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing # 0 Ground Surface 0 Top of Riser 6"± Top of Seal 25± Top of Sand Pack 31± Top of Screen 34.50± Bottom of Screen 44.50± Bottom of Boring 44.50± Remarks										0 0 0 0 0
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: No Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"		45							Brown fine SAND, little Silt, trace fine Gravel	0
		50							Complete at 44.50± Feet	
		55								
		60								
		65								
		70								
		75								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:	Cottage place				MONITORING WELL NO.	MW-4			
	PROJECT LOCATION:	New Rochelle, NY				JOB NO.	10491			
						GROUND ELEVATION:	82.83			
BORING BY: Aarco	DATE STARTED	5/14/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2				
INSPECTOR: JCS	DATE COMPLETED	5/14/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4				
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/14/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	18.77				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing 0 Ground Surface 0 Top of Riser 6± Top of Seal 10± Top of Sand Pack 13± Top of Screen 15.50± Bottom of Screen 25.50± Bottom of Boring 25.50± Remarks										
#  Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: No Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"										
		5							Brown coarse to fine SAND, some Silt, little Clay	0
		10							Light brown coarse to fine SAND, little Silt, trace Clay	0
		15								0
		20								0
		25							Gray brown fine SAND, little Silt, trace fine Gravel.	0
		30							Complete at 25.0± Feet	
		35								
		40								

Approximate Change in Strata: _____ Inferred Change in Strata: _____


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	PROJECT NAME:	Cottage place				MONITORING WELL NO.	MW-5			
	PROJECT LOCATION:	New Rochelle, NY				JOB NO.	10491			
						GROUND ELEVATION:	83.65'			
BORING BY: Aarco	DATE STARTED	5/13/19	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2				
INSPECTOR: JCS	DATE COMPLETED	5/13/19	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4				
NJ DEP PERMIT NO.:	DATE DEVELOPED	5/14/19	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	18.06				
WELL CONSTRUCTION		DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
		0		0/6	6/12	12/18	18/24	(in)		
Depth (feet below grade) Top of Casing # 0 Ground Surface 0 Top of Riser 6± Top of Seal 13± Top of Sand Pack 15± Top of Screen 17± Bottom of Screen 27± Bottom of Boring 27± Remarks										0
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: No Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"		5								0
		10								0
		15							Light brown coarse to fine SAND, some Silt, little Clay	0
		20								0
		25								0
		30							Gray brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
		35							Complete at 27.0± Feet	0
		40								0

Approximate Change in Strata: _____ Inferred Change in Strata: - - - - -


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FIGURE 4.2

	PROJECT NAME:	26 Cottage Place			MONITORING WELL NO.	MW-1			
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491			
					GROUND ELEVATION:				
BORING BY: AARCO	DATE STARTED	6/17/20	DEVELOPMENT PERIOD	1 Hour	INSIDE CASING DIAMETER (in)	2"			
INSPECTOR: TNP	DATE COMPLETED	6/17/20	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4"			
NJ DEP PERMIT NO.:	DATE DEVELOPED	6/18/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	0.5'			
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon				REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
			0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing 0 Ground Surface 0 Top of Riser 6"± Top of Seal 1± Top of Sand Pack 1.5± Top of Screen 2.0± Bottom of Screen 10.00± Bottom of Boring 10.00± Remarks	0						6" concrete slab	0	
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: N/A Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"	5						Brown medium to fine SAND, little fine Gravel, little Silt	0	
	10						Grey coarse to fine Sand, trace Gravel, trace Silt	0	
	15						Complete at 10.00± Feet		
	20								
	25								
	30								
	35								
	40								


Approximate Change in Strata: _____ Inferred Change in Strata: - - - - -

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	PROJECT NAME:	26 Cottage Place			MONITORING WELL NO.	MW-3			
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491			
					GROUND ELEVATION:				
BORING BY: AARCO	DATE STARTED	6/17/20	DEVELOPMENT PERIOD	1 hour	INSIDE CASING DIAMETER (in)	2"			
INSPECTOR: TNP	DATE COMPLETED	6/17/20	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4"			
NJ DEP PERMIT NO.:	DATE DEVELOPED	6/18/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	0.5'			
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon				REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
			0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing # 0 Ground Surface Top of Riser Top of Seal 0.5± Top of Sand Pack 1.5± Top of Screen 2.0± Bottom of Screen 10.0± Bottom of Boring 10.0± Remarks	0							0	
Casing Type: Flushmount	5							0	
Well Cap: Yes Grout Type: NA	10						Brown medium to fine SAND, little fine Gravel, little Silt	0	
Well Key: N/A	15						Grey coarse to fine Sand, trace Gravel, trace Silt	0	
Riser Pipe: PVC	20						Complete at 10.0± Feet	0	
Sand/Gravel Pack Size: #2	25							0	
Screen Size: 0.010"	30							0	
	35							0	
	40							0	


Approximate Change in Strata: _____ Inferred Change in Strata: - - - - -

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	PROJECT NAME:	26 Cottage Place			MONITORING WELL NO.	MW-4			
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491			
					GROUND ELEVATION:				
BORING BY: AARCO	DATE STARTED	6/17/20	DEVELOPMENT PERIOD	1 hour	INSIDE CASING DIAMETER (in)	2"			
INSPECTOR: TNP	DATE COMPLETED	6/17/20	DEVELOPMENT METHOD	Sub Pump	BOREHOLE DIAMETER (in)	4"			
NJ DEP PERMIT NO.:	DATE DEVELOPED	6/18/20	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	7.0'			
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon				REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
			0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing: 0 Ground Surface: 0 Top of Riser: 0 Top of Seal: 0.5± Top of Sand Pack: 1.5± Top of Screen: 3.0± Bottom of Screen: 10.8± Bottom of Boring: 10.8± Remarks:	0							0	
Casing Type: Flushmount Well Cap: Yes Grout Type: NA Well Key: N/A Riser Pipe: PVC Sand/Gravel Pack Size: #2 Screen Size: 0.010"	5							0	
	10						Brown medium to fine SAND, little fine Gravel, little Silt	0	
	15						Grey coarse to fine Sand, trace Gravel, trace Silt		
	20						Complete at 11.0± Feet		
	25								
	30								
	35								
	40								


Approximate Change in Strata: _____ Inferred Change in Strata: _____

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	PROJECT NAME:	26 Cottage Place			MONITORING WELL NO.	MW-5			
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491			
					GROUND ELEVATION:				
BORING BY: AARCO	DATE STARTED	6/19/20	DEVELOPMENT PERIOD	N/A	INSIDE CASING DIAMETER (in)	2"			
INSPECTOR: TNP	DATE COMPLETED	6/19/20	DEVELOPMENT METHOD	N/A	BOREHOLE DIAMETER (in)	4"			
NJ DEP PERMIT NO.:	DATE DEVELOPED	N/A	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	0.5'			
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
			0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing # 0 Ground Surface 0 Top of Riser 0 Top of Seal 0.5± Top of Sand Pack 0.5± Top of Screen 1.5± Bottom of Screen 7.5± Bottom of Boring 7.5± Remarks	0							0	
Casing Type: Riser	5							0	
Well Cap: Yes							Brown medium to fine SAND, little fine Gravel, little Silt	0	
Grout Type: NA							Grey coarse to fine Sand, trace Gravel, trace Silt	0	
Well Key: N/A	10						Complete at 7.5± Feet	0	
Riser Pipe: PVC	15							0	
Sand/Gravel Pack Size: #2	20							0	
Screen Size: 0.010"	25							0	
	30							0	
	35							0	
	40							0	

Approximate Change in Strata: _____ Inferred Change in Strata: - - - - -

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	PROJECT NAME:	26 Cottage Place			MONITORING WELL NO.	MW-6			
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	10491			
					GROUND ELEVATION:				
BORING BY: AARCO	DATE STARTED	6/19/20	DEVELOPMENT PERIOD	N/A	INSIDE CASING DIAMETER (in)	2"			
INSPECTOR: TNP	DATE COMPLETED	6/19/20	DEVELOPMENT METHOD	N/A	BOREHOLE DIAMETER (in)	4"			
NJ DEP PERMIT NO.:	DATE DEVELOPED	N/A	DEVELOPMENT RATE	NA	INITIAL WATER LEVEL (ft):	0.5'			
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon				REC	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
			0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing # 0 Ground Surface 0 Top of Riser 0 Top of Seal 0.5± Top of Sand Pack 0.5± Top of Screen 1.5± Bottom of Screen 7.5± Bottom of Boring 7.5± Remarks	0							0	
Casing Type: Riser	5							0	
Well Cap: Yes							Brown medium to fine SAND, little fine Gravel, little Silt	0	
Grout Type: NA							Grey coarse to fine Sand, trace Gravel, trace Silt	0	
Well Key: N/A	10						Complete at 7.5± Feet	0	
Riser Pipe: PVC	15							0	
Sand/Gravel Pack Size: #2	20							0	
Screen Size: 0.010"	25							0	
	30							0	
	35							0	
	40							0	

Approximate Change in Strata: _____ Inferred Change in Strata: - - - - -

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