PROJECT: CAMC/YPDT- Heart Lake Rd.

DRILL DATE: May 24 to June 18, 2002 **DRILL TYPE: PQ Core**

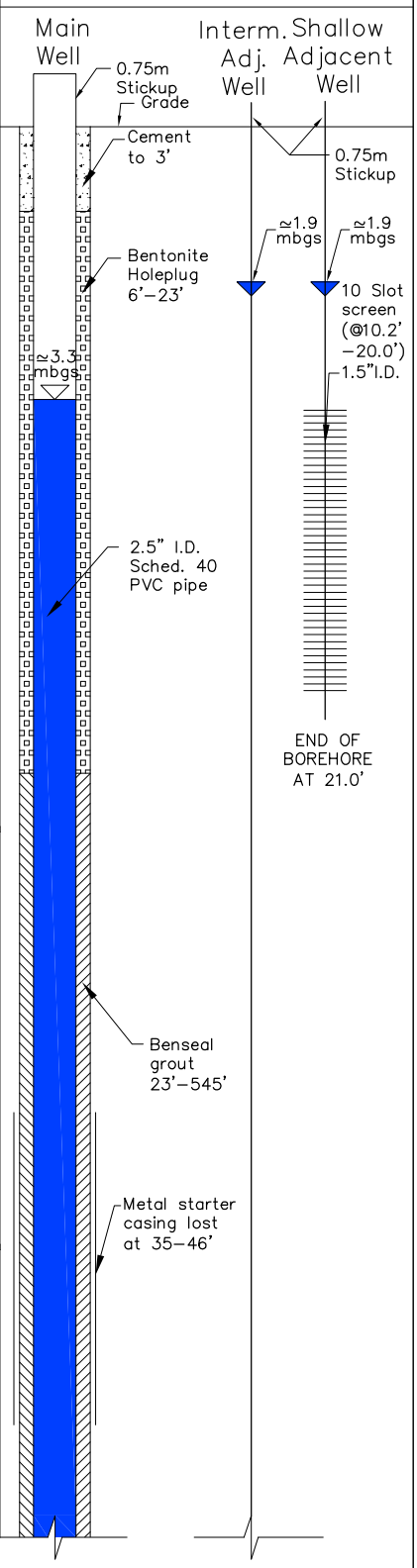
Logged by: S.D **Depth: 0 to 180.2 m**

Actual Depth (m)	Actual Depth (ft.)	Elev. (m asl)	Stratigraphic Unit	Lithofacies	Run Number:
0.0	0	283.7		Silty fine sand – brown, slightly stratified	SS1 5.0–6.5ft
3.1	10	280.6		Fine sand, cross laminated	#1 9.0–12.5ft
				Fine silty sand, trace clay, grey, slightly cohesive	
			O	Clay silt to silt, trace to some find sand, grey, slightly cohesive occasional rhymittes, sometimes convoluted	#2 12.5–17.5ft
6.1	20		R M C H A N N E L	Grades to clayey silt to silty clay (till?), some sand, trace scattered gravel, grey, cohesive, massive to crudely laminated	#3 17.5–22ft
					#4 22–27ft
					#5 27–32.5ft
9.1	30	274.6			#6 32.5–37.5ft
12.2	40		F I L L	Grades to clayey silt to silty clay with reddish clay caps, some sand, scattered gravel	#7 37.5–42.5ft
				Silty fine sand, grey non–cohesive, slightly cross laminated	
				Silt clay to silty sand with reddish clay caps, trace gravel	#8 42.5–47.5ft
15.2	50	268.5		More finely laminated below 47'	#9 47.5–52.5ft

Lithostratigraphy: Clay, Silt, SAND (Fine, Medium, Coarse), GRAVEL (Gravel, Cobbles, Boulders, Bedrock)

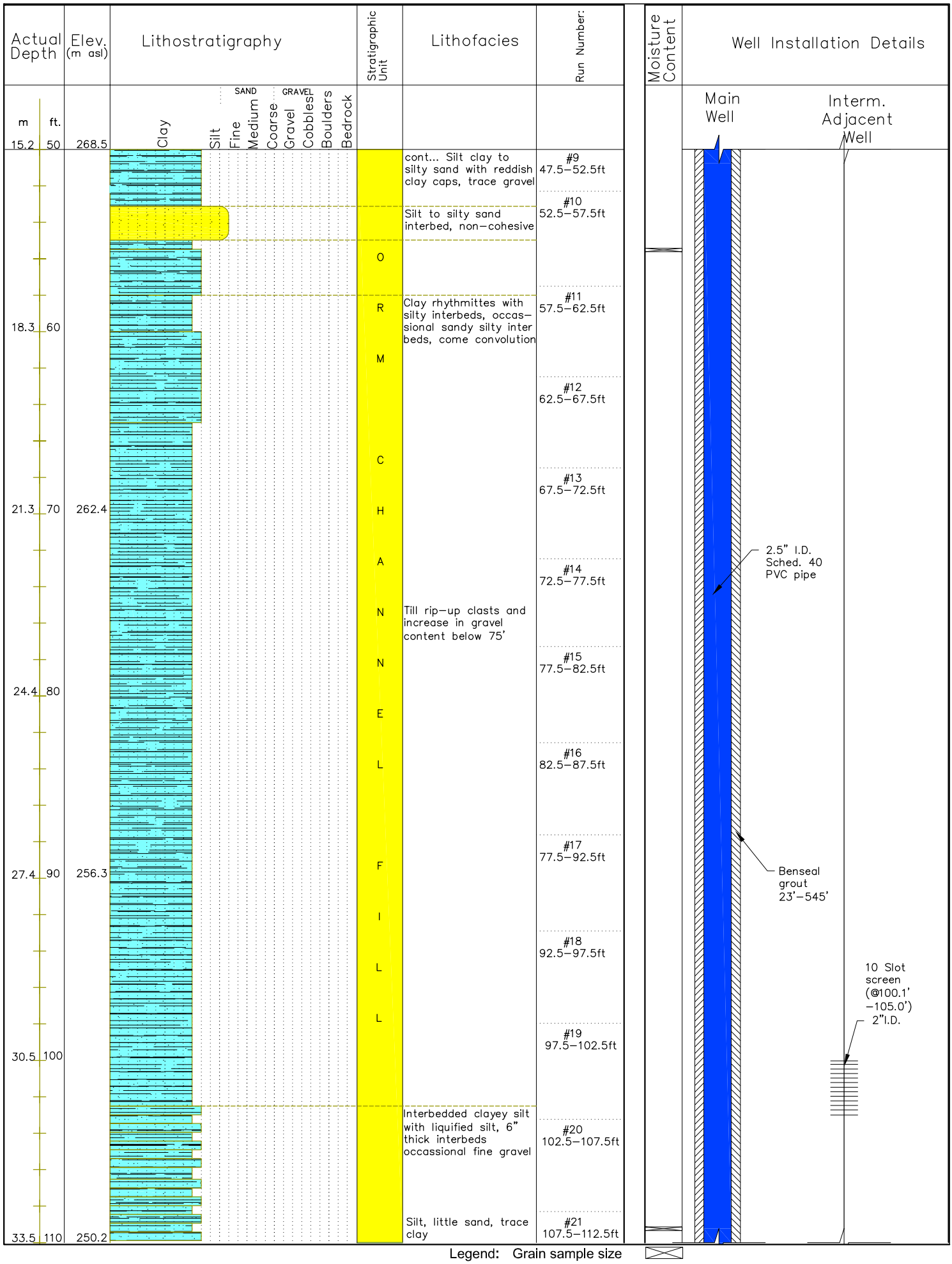
Sampling Interval

Well Installation Details



Legend: Grain sample size

CAMC/YPDT- Heart Lake Rd.



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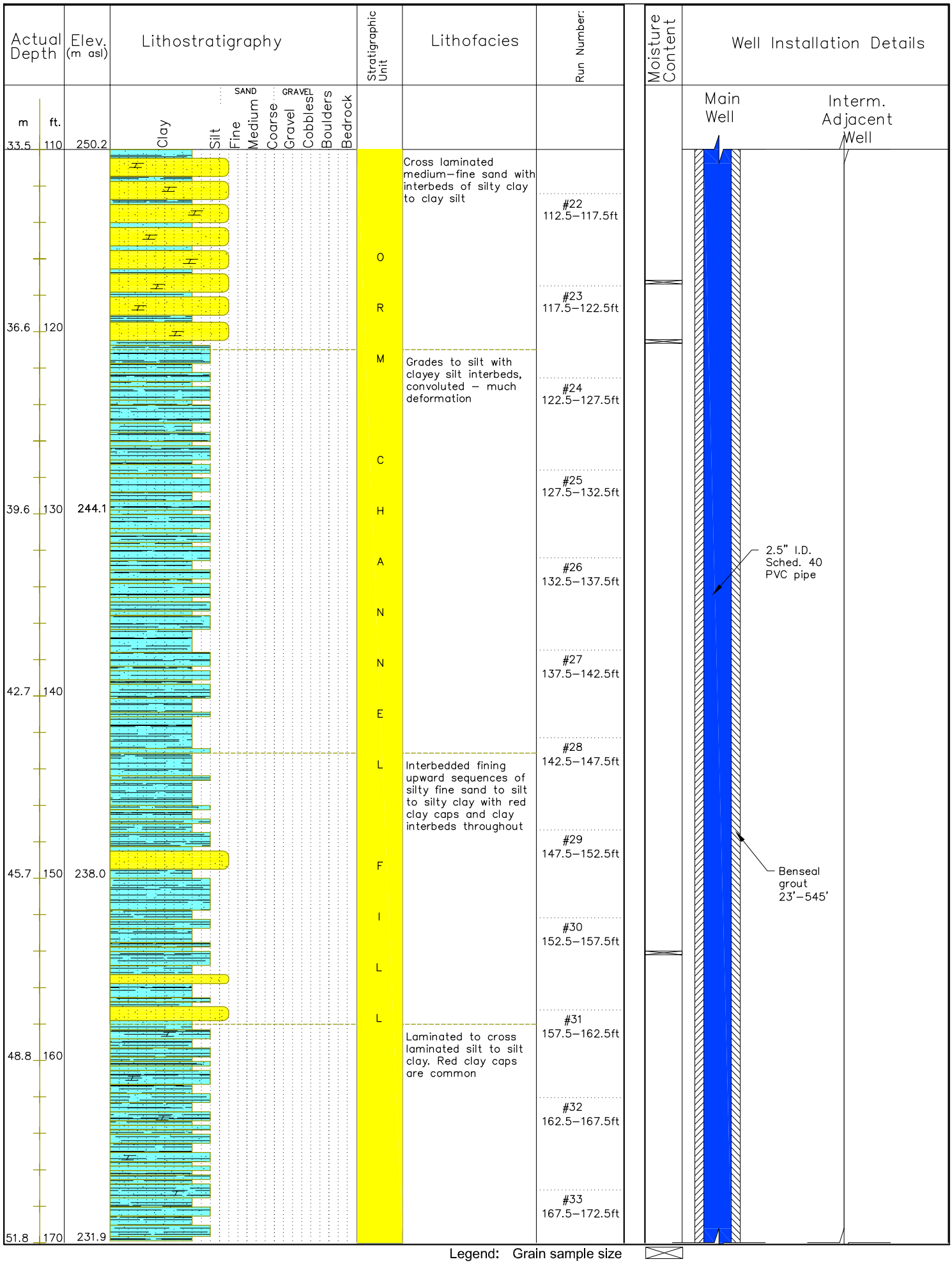

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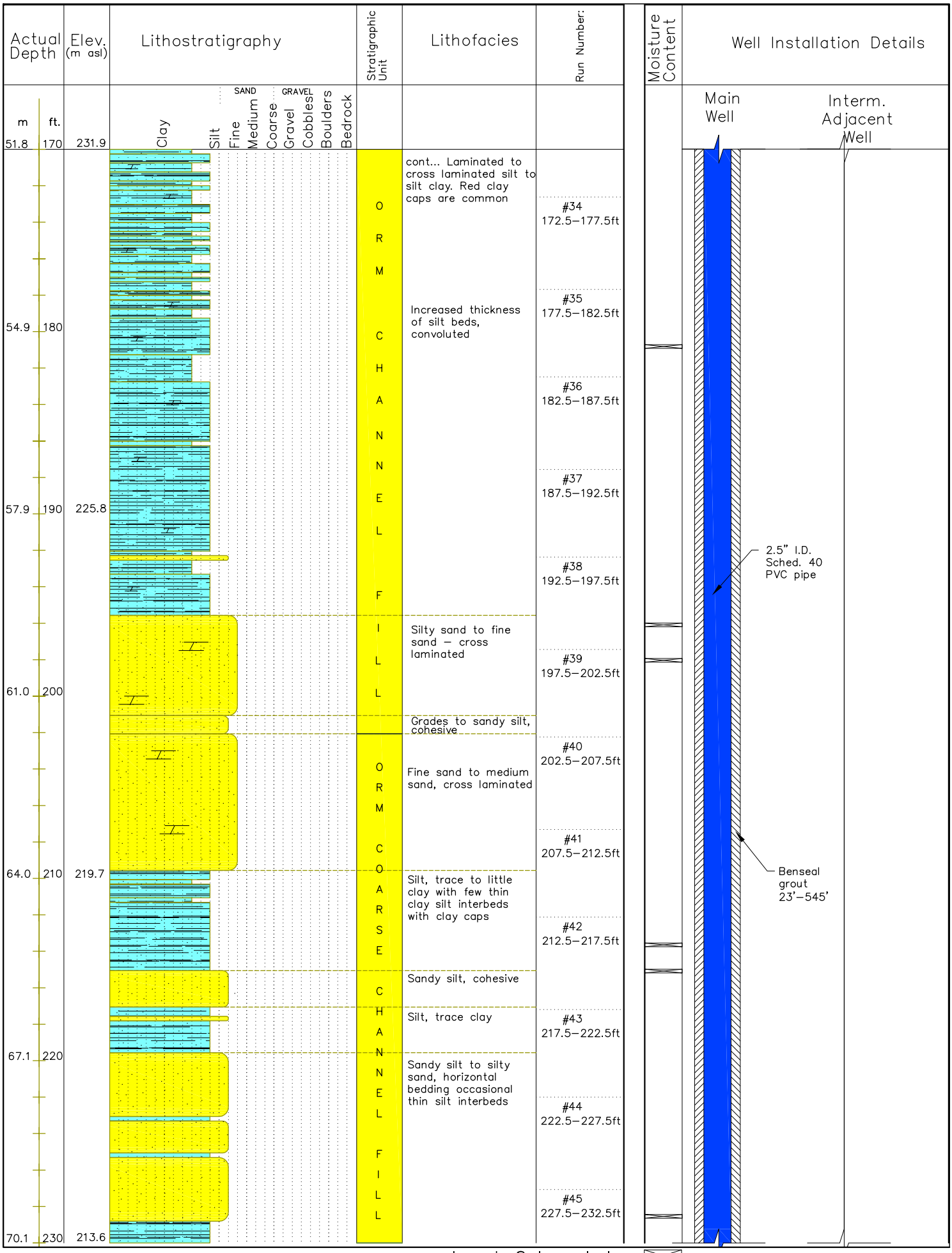


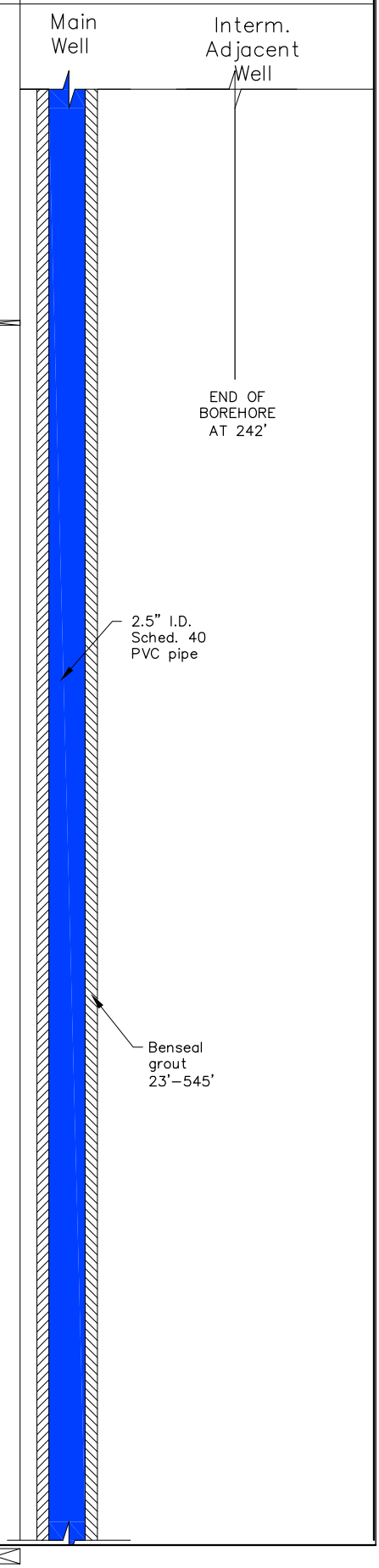
CAMC/YPDT- Heart Lake Rd.

Actual Depth m	Actual Depth ft.	Elev. (m asl)	Stratigraphic Unit	Lithofacies	Run Number:
70.1	230	213.6	ORM	cont... Sandy silt to silty sand, horizontal bedding occasional thin silt	#46 232.5–237.5ft
			COARSE	Silt, trace clay with sandy silt interbeds	#47 237.5–242.5ft
73.2	240			END of CVC–ORM1 due to lost core barrel	
				BEGIN of CVC–ORM1B ≈ 3m away	
			CHANNEL FILL	Fining upward, sets of cross laminated silty fine sand to silt to clay silt interbeds with red clay caps	#48 242.5–247.5ft
					#49 247.5–252.5ft
76.2	250	207.5		Occasional 1 inch dia. gravel @ 251.5'	
					#50 252.5–257.5ft
			ORM	Silt to clay rhythmittes in fining upward set, brecciation, convolution and sand balls are common – occasional laminated silty fine sand interbeds	#51 257.5–262.5ft
79.2	260				
					#52 262.5–267.5ft
			CHANNEL FILL		#53 267.5–272.5ft
82.3	270	201.4		Trace fine gravel noted	
					#54 272.5–277.5ft
					#55 277.5–282.5ft
85.3	280				
					#56 282.5–287.5ft
					#57 287.5–292.5ft
88.4	290	195.3			

Lithostratigraphy: Clay, Silt, SAND (Fine, Medium, Coarse), GRAVEL (Gravel, Cobbles), Boulders, Bedrock

Moisture Content

Well Installation Details

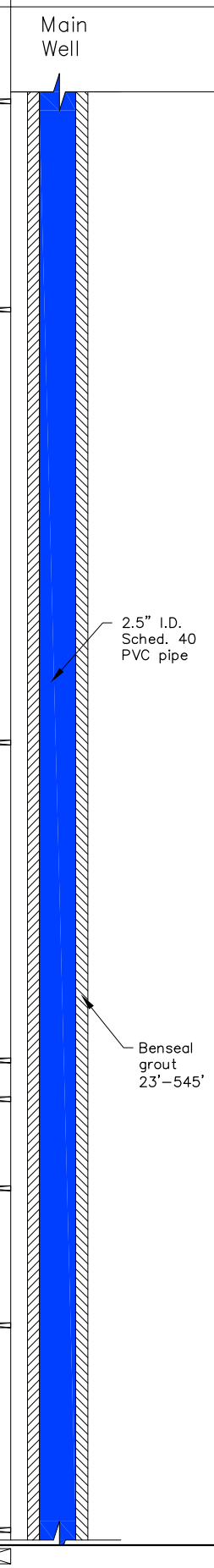


Legend: Grain sample size

CAMC/YPDT- Heart Lake Rd.

Actual Depth m	Actual Depth ft.	Elev. (m asl)	Lithostratigraphy	Stratigraphic Unit	Lithofacies	Run Number:	Moisture Content
88.4	290	195.3	Clay, Silt, Fine, Medium, Coarse, Gravel, Cobbles, Boulders, Bedrock (SAND, GRAVEL)	ORMCHANNEL FILL	cont... Silt to clay rhythmittes in fining upward set, brecciation, convolution and sand balls are common – occasional laminated silty fine sand interbeds	#58 292.5–297.5ft	
						#59 297.5–302.5ft	
91.4	300					#60 302.5–307.5ft	
						#61 307.5–312.5ft	
94.5	310	189.2				#62 312.5–317.5ft	
						#63 317.5–322.5ft	
97.5	320					#64 322.5–327.5ft	
						#65 327.5–332.5ft	
100.6	330	183.1				#66 332.5–337.5ft	
				ORMCOARSE CHANNEL FILL	Fining upward, sequences of fine to silty fine sand to silt to clay silt with fine laminated clay caps	#67 337.5–342.5ft	
103.6	340					#68 342.5–347.5ft	
						#69 347.5–352.5ft	
106.7	350	177.0					

Well Installation Details



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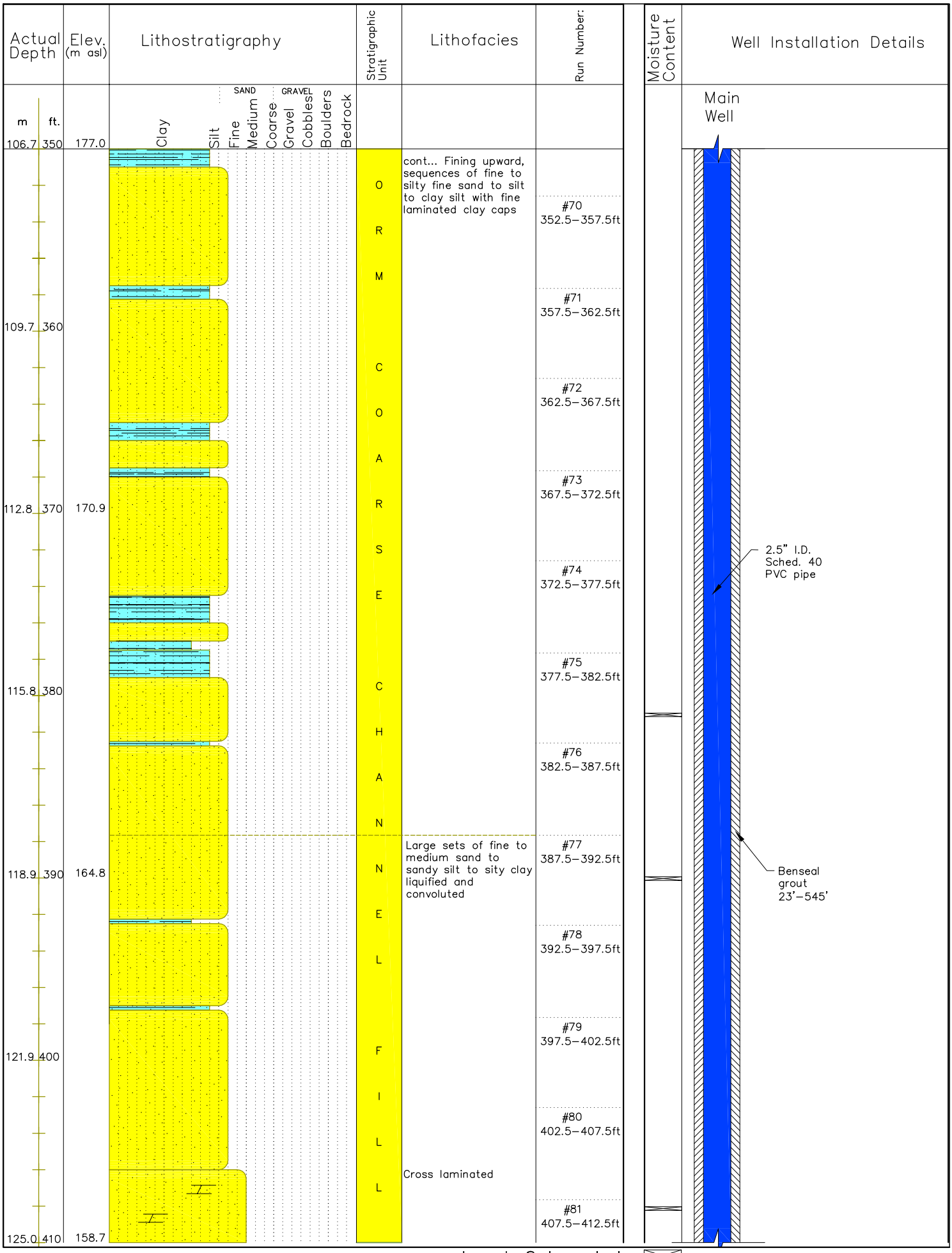

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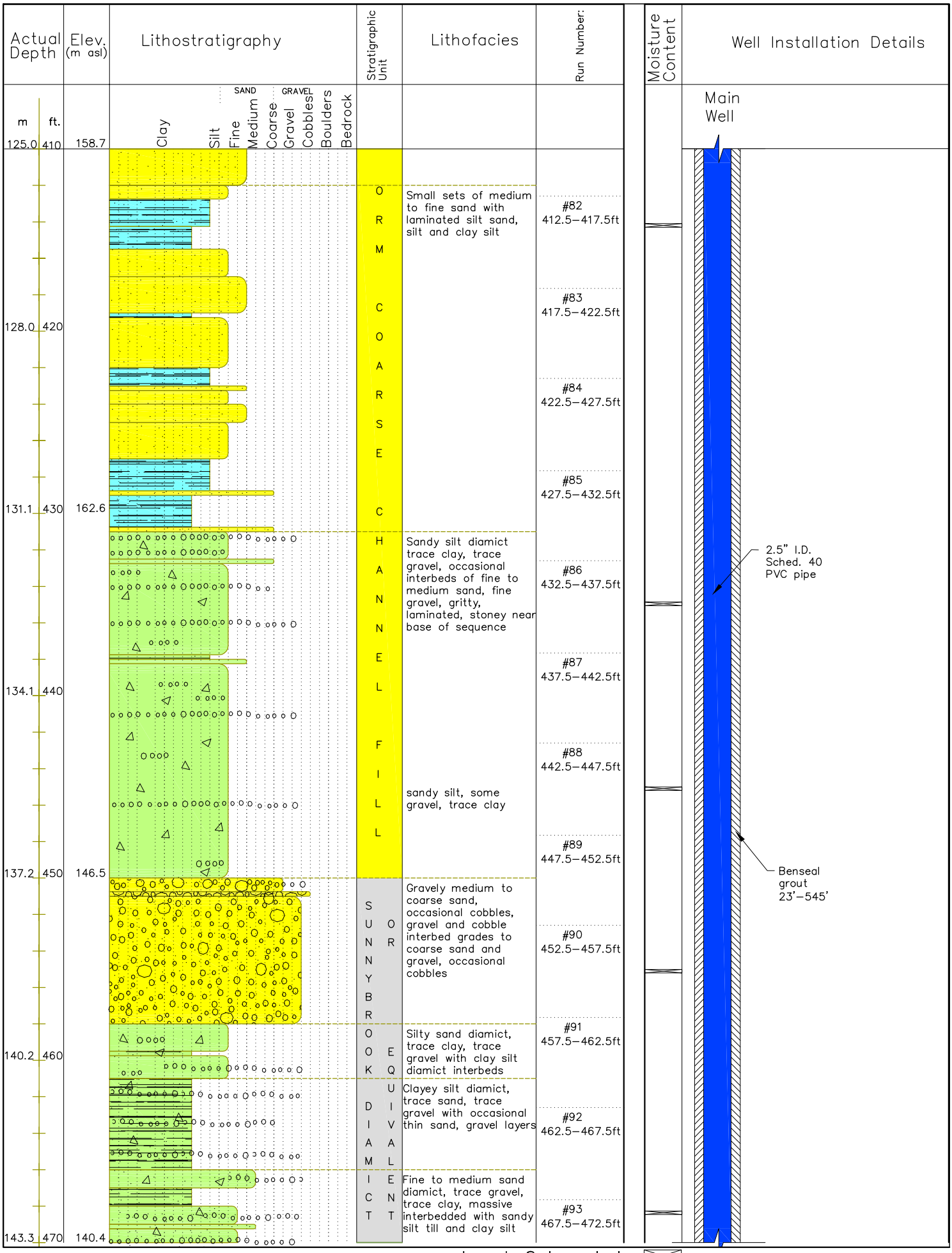

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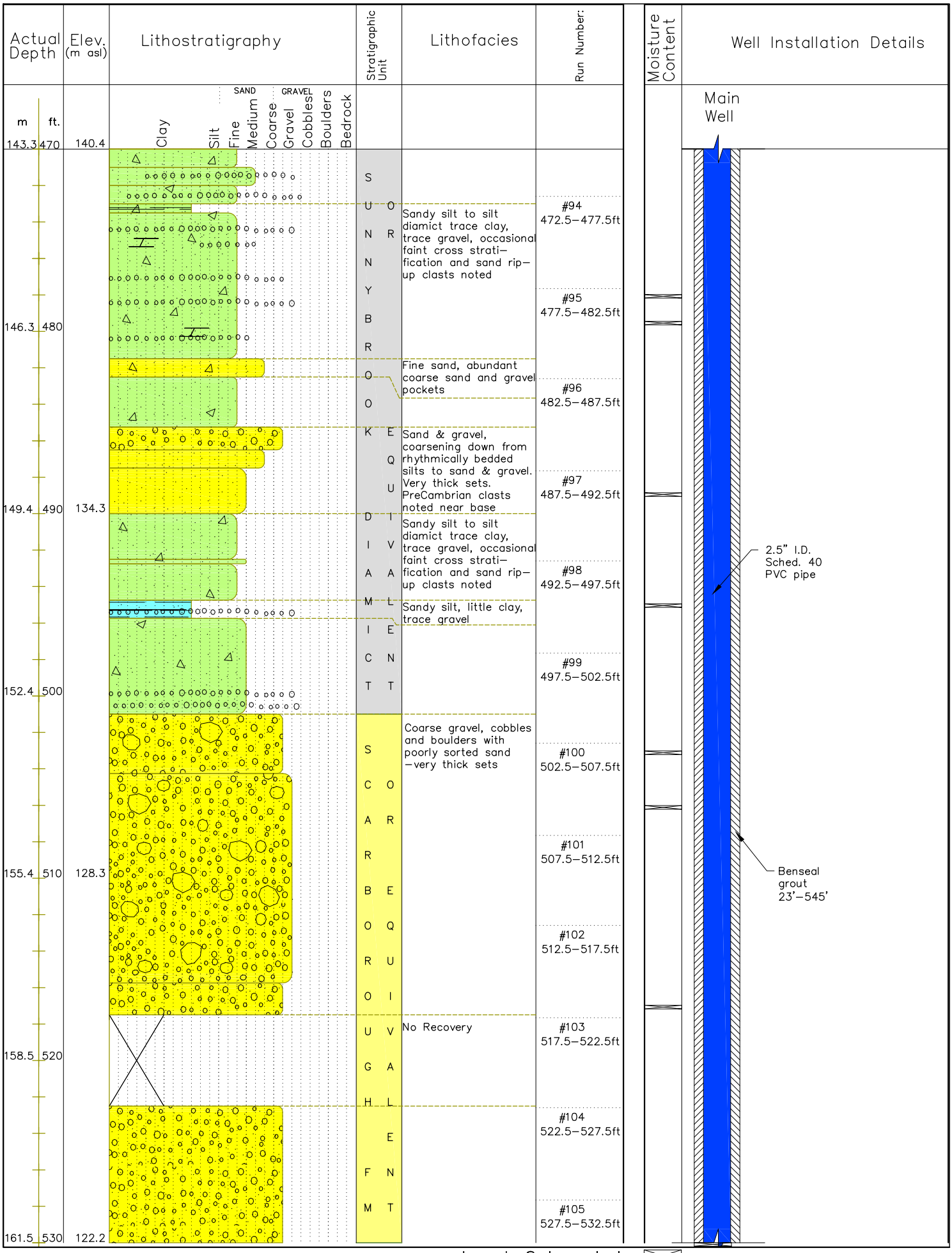
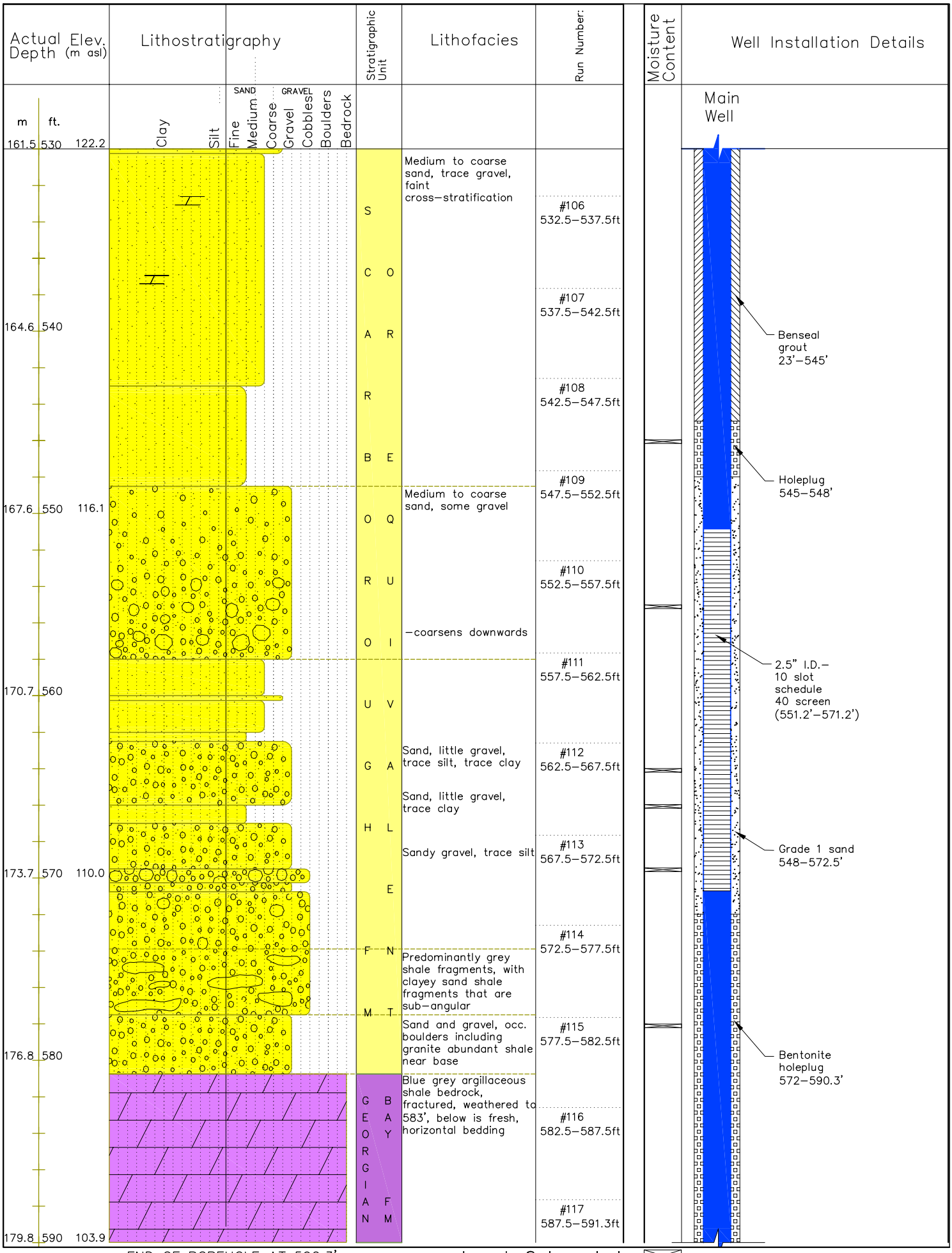
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