

PSN 11482 BORNUM 1\*BorNum\*  
 REGION 11  
 COUNTY KINGS  
 PIN X729.77  
 PROJECT Askio Community Center

STATE OF NEW YORK  
 DEPARTMENT OF TRANSPORTATION  
 GEOTECHNICAL ENGINEERING BUREAU  
 SUBSURFACE EXPLORATION LOG



HOLE LINE DM-B1-1  
 \*Line\*  
 STA \*Sta\*  
 \*Offset\*  
 SURF. ELEV 35.08  
 DEPTH TO WATER SEE NOTE

COORDINATES (N) 202,649.760 (E) 1,001,124.150 DATUM NAD83  
 DATE START 15-OCT-2009 DATE FINISH 15-OCT-2009

CASING O.D. 4-1/2 in I.D. 4 in WT OF HAMMER-CASING: 140 lb HAMMER FALL-CASING 30 in  
 SAMPLER O.D. 2 in I.D. 1-3/8 in WT OF HAMMER-SAMPLER 140 lb HAMMER FAL-SAMPLER 30 in

CASING BLOWS/ft	DEPTH ft BELOW SURFACE	SAMPLE NO.	BLOWS ON SAMPLER in				MOIST. CONT. (%)	DESCRIPTION OF SOIL AND ROCK
			0-6	6-12	12-18	18-24		
11							(1) Dark Brown Silty SAND With Pieces Of Gravel, Red Brick, Class & Concrete Possibly Fill) Moisture Content 12% (See Note 1)	
22	7.5	J1	1	3	32	10	19 (6) Brown Clayey SILT, Sandy With Gravel Pieces & Mica (M-NPL)	
33		J2	1	1	2	3	25 (10) Dark Gray Sandy SILT With Gravel Pieces, Mica, Wood & Asphalt	
44	15	J3	WOH	WOH	15	11	19 (15) Dark Gray Sandy SILT With Gravel Pieces & Mica(See Note 2)	
		J4	4	4	7	11	16 (20) Brown & Light Gray Silty CLAY, Sandy (See Note 3)	
77	22.5	J5	2	5	9	10	18 (25) Brown & Light Gray Silty SAND, Clayey	
5	30	J6	24	30	50		14 (30) Brown Silty SAND, Clayey With Gravel Pieces & Mica (See Note 4)	
10		J7	30	30	9	12	14 (35) Brown Silty SAND With Gravel Pieces & Mica	
	37.5	J8	39	44	32	34	(40) No Recovery (See Note 11)	
							(42) BOTTOM OF HOLE AT 42.0 FEET. 1) First sample is G1, a 'Grab Sample' form the hand augering operation from 0.0 to 6.0 ft to avoid utilities 2) Fort Sample J3, WOH is for first 12". 3) Casing shoe broke 4) For Sample J6, third blow count is for 5" penetration only. 5) Depth to Water: Drilling mud used, Groundwater not determined. 6) Automatic Hammer used. 7) HW Casing installed to 35.0 ft. 8) Rig chatter: at 31.4 ft and 34.5 ft, probable Gravel at approximately 38.0 ft and 39.5 ft. possible Gravel or Cobbl. 9) Datums: Horizontal: NAD 83 (CORS 96), Vertical: NAVD 88 10) Inspector: J. Freitas	
	45							
	52.5							

The subsurface information shown here was obtained for design and estimate purposes. It is made available so that users may have access to the same information available to the State. It is presented in good faith. By the nature of the exploration process, the information represents only a small fraction of the total volume of the material at the site. Interpolation between data samples may not be indicative of the actual material encountered.

DRILL RIG OPERATOR L. Canva  
 SOIL & ROCK DESCRIPTION A. Payne  
 REG GEOTECHNICAL ENGINEER R. Alcoda  
 DATE APPROVED 08-JUN-2010  
 RESIDENT ENGINEER \*\* Res Eng \*\*  
 STRUCTURE NAME Askio, NY B.I.N. 1-07539-  
 SHEET 1 OF HOLE DM-B1-1

CONTRACT D015624 CONTRACTOR ADT

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CASING BLOWS/ft	DEPTH ft BELOW SURFACE	SAMPLE NO.	BLOWS ON SAMPLER in				MOIST. CONT. (%)	DESCRIPTION OF SOIL AND ROCK
			0-6	6-12	12-18	18-24		
								11) After Sample J8, Casing shoe broke, hole abandoned, moved approximately 5.0 ft south - See log DM-B-1a 12) Borehole backfilled with bentonite and cement grouted upon completion.
	60							
	67.5							
	75							
	82.5							
	90							
	97.5							

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 STRUCTURE NAME Askio, NY B.I.N. 1-07539-  
 SHEET 2 OF HOLE DM-B1-1

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