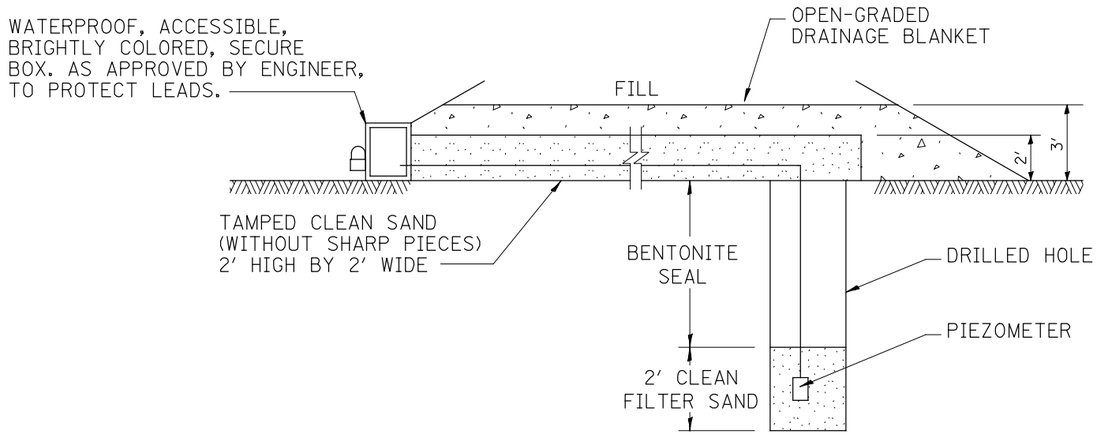
NOTES:

1. Installation per Piezometer Manufacturer recommendations and as approved by engineer.

2. Contractor shall record groundwater level during installation and submit to Engineer.

3. The contractor shall take care to ensure the piezometer installations are protected from damage. Should any damage or malfunction occur to any portion of the installation, the contractor shall immediately cease all work on the subject embankment and immediately make the necessary repairs at no additional cost to the contract. Work on the subject embankment shall not resume until all repairs have been complete to the satisfaction of the engineer



TYPICAL PIEZOMETER INSTALLATION DETAIL
(NOT TO SCALE)

PIEZOMETER ELEVATIONS AND ESTIMATED MAXIMUM PIEZOMETER WATER LEVEL READINGS ALLOWABLE TO MAINTAIN AN ADEQUATE FACTOR OF SAFETY AGAINST SLOPE FAILURE
(DATA PROVIDED BY IDOT)

RECOMMENDED PIEZOMETER LOCATIONS

LOCATION NUMBER	STATION	OFFSET	NEAREST BORING	APPROXIMATE ELEVATION (FT)	EST. INITIAL READING (psf)	EST. MAX ALLOWABLE READING[2] (psf)				
						5 FT (FILL HT)	8 FT (FILL HT)	10 FT (FILL HT)	16 FT (FILL HT)	24 FT (FILL HT)
1	680+00	45' RT	B-129	612	619		1123		1022	821
2	679+75	45' LT	B-126	612	619		1123		1022	821
3	682+50	45' RT	B-131	625	244	533		490		
4	682+15	45' LT	B-128	625	244	533		490		

1. Piezometers should be founded in soft clay layers. See nearest boring for additional subsurface stratigraphy details.
2. Values maintain minimum FS of 1.3 using short term values.

FILE NAME = V:\Transportation\2891\Grading Plans\2891d001.dgn	USER NAME = jdeen	DESIGNED - JRB	REVISED -
		DRAWN - TJD	REVISED -
	PLOT SCALE = 100.0000 ' / IN.	CHECKED - JRB	REVISED -
	PLOT DATE = 12/12/2012	DATE - 12-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIEZOMETER DETAIL
NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	(55-3)A	McDONOUGH	671	310
		CONTRACT NO. 68A42		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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