

Figure 1 depicts current site features, the location of an existing monitoring well located on Allendale School property, the locations of existing nearby monitoring wells which are located along Tyler Street Extension and are part of the General Electric (GE) abutting Groundwater Management Area 4 (GMA-4) and its On-Plant Consolidation Area (OPCA) Groundwater Monitoring Program, and the locations of the four piezometers installed on the Allendale School property by WESTON on November 6, 2007. Piezometer locations were selected to provide sufficient data points across the property to interpret groundwater contours without adversely impacting the on-site playing fields.

Installation and Monitoring Procedures

Piezometers were installed on November 6, 2007 using a pickup truck-mounted, direct-push sampling unit. At each location, a 2-inch diameter solid point was driven to 4 feet below grade and retracted to create a preliminary borehole. A macro-core barrel sampler with a cutting shoe and acetate sleeve was subsequently driven to 5.5 feet below grade and retracted to create the final piezometer bore hole. A 5-foot long by 1.25-inch diameter PVC piezometer, comprised of 3.5 feet of solid riser over 1.5 feet of slotted screen, was installed in the borehole, and the remaining annular space surrounding the piezometer backfilled with well sand. A small diameter cast iron road box was then installed over the piezometer flush to the ground surface and grouted into place with a small amount of concrete around its perimeter.

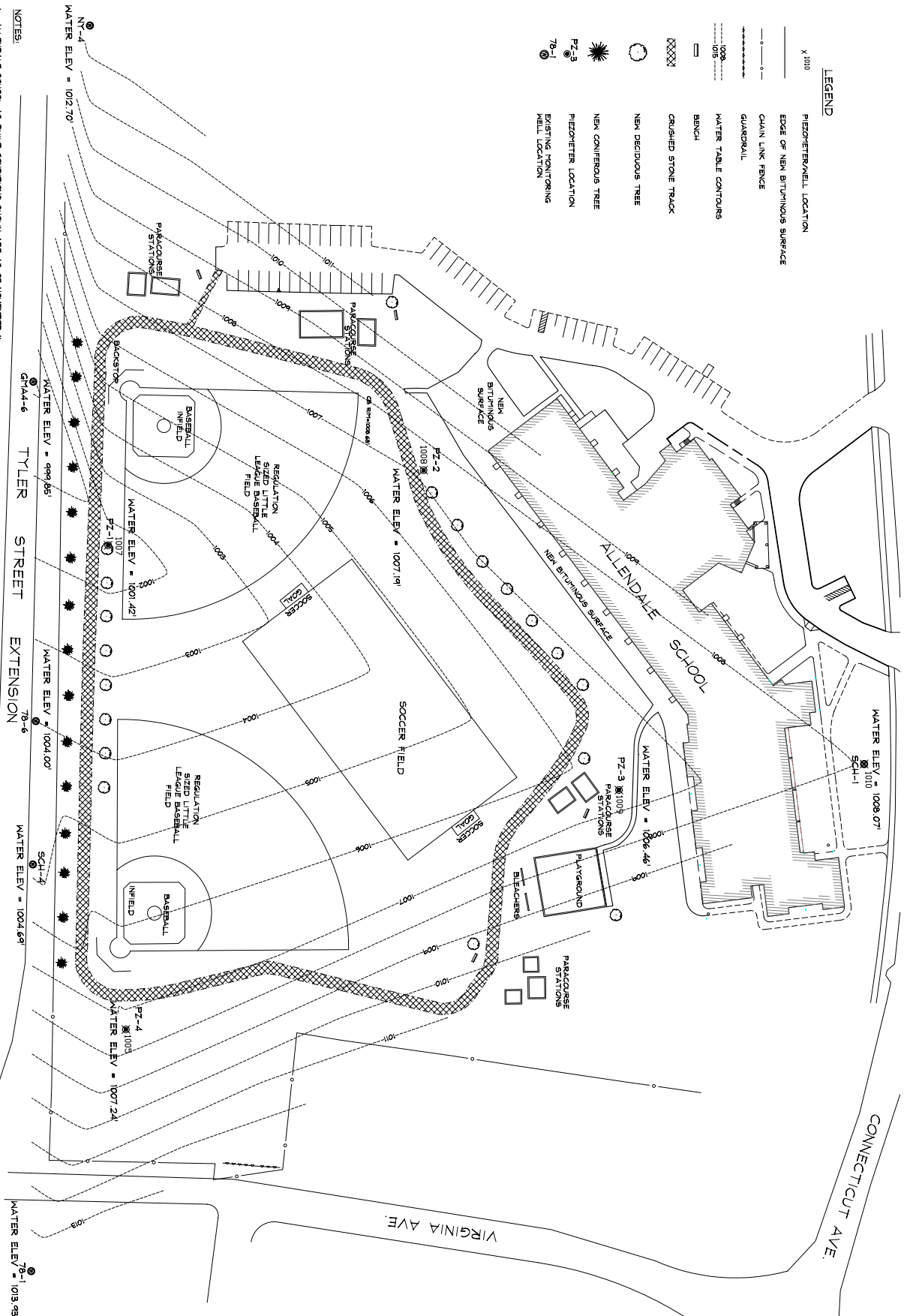
On November 7, 2007, the location and an elevation reference point on each piezometer (typically the highest point on the inner PVC casing) was surveyed by a licensed surveyor. In addition, a small volume of water was bailed from each piezometer in order to remove any accumulated sediments.

On November 12, 2007, WESTON recorded water levels from GE groundwater monitoring wells 78-1, SCH-4, 78-6, GMA4-6, and NY-4 along Tyler Street Extension; monitoring well SCH-1 on the Allendale School property; and newly installed piezometers PZ-1, PZ-3, and PZ-4. Piezometer PZ-2 was found to contain an accumulation of sediment which prevented an accurate water level measurement. WESTON utilized a peristaltic pump and tygon tubing to pump the sediment out of the piezometer, allowed the piezometer to equilibrate for 24 hours, and returned on November 13, 2007 and recorded the water level in PZ-2. Water level measurements, top of casing elevations, and resulting water table elevations are presented in Table 1.

Figure 1 depicts a preliminary interpretation of groundwater contours beneath the Allendale School property based on Weston's recorded water levels. The groundwater contours indicate a southwesterly flow in the eastern portion of the property, and a southeasterly flow in the western portion of the property, with overall flow direction leading away from the Allendale School building toward the abutting GE property to the south.

LEGEND

- X 100
- PIEZOMETER/WELL LOCATION
- EDGE OF NEW BITUMINOUS SURFACE
- CHAIN LINK FENCE
- GUARDRAIL
- WATER TABLE CONTOURS
- BENCH
- CRUSHED STONE TRACK
- NEW DECIDUOUS TREE
- NEW CONIFEROUS TREE
- PIEZOMETER LOCATION
- EXISTING MONITORING WELL LOCATION



- NOTES:**
- ALLEDALE SCHOOL AS-BUILT CONDITIONS SHOWN ARE AS OF NOVEMBER 11, 2007. ALL INFORMATION IS BASED ON THE AS-BUILT RECORDS PROVIDED BY ARCHITECTS, PLANNERS, INC. ON NOVEMBER 7, 2007.
 - UNSATURATED WATER TABLES SHOWN ARE AS OF NOVEMBER 11, 2007. DATA FROM NATIONAL GEODETIC DATUM (NGVD 83) SUPPLIED BY BLS/LAND, BOCK AND LEE, INC. AT THE TIME OF THE ORIGINAL SURVEY.
 - RESTORATION PLAN PROVIDED BY WHITE ENGINEERING, INC. PLAN ENTITLED "SITE RESTORATION PLAN AT ALLEDALE SCHOOL" AND DATED 6-14-06.
 - WATER ELEVATIONS RECORDED BY WESTON SOLUTIONS, INC. ON NOVEMBER 12, 2007.

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1007	539900.2284	187783.2220	1005.60	TOP-PVC FZ-1
1008	539102.4181	187823.5816	1005.89	TOP-PVC FZ-2
1009	539102.4181	187823.5816	1007.96	TOP-PVC FZ-3
1005	539116.0623	186191.6258	1007.46	TOP-PVC FZ-4
1010	539574.5644	185608.2389	1007.11	TOP-PVC SCH-1

WESTON SOLUTIONS, INC.
10 LYMAN STREET
PITTSFIELD, MA

PROJECT DESCRIPTION: ALLEDALE SCHOOL K11-7-29

DRAWING TITLE: FIGURE 1 "NEW PIEZOMETER LOCATIONS"

DATE: 10-3-07
SCALE: 1"=40'

PROJECT NUMBER: SRV-1127-002
DRAWING NUMBER: C-103

REV.	DESCRIPTION	DR/N	CHK'D	DATE
A	ISSUED FOR COMMENT	JR		10-3-07
B	LOCATED PIEZOMETERS	JR		11-9-07
C	ADDED CONTOURS FOR WATER TABLE	JR		11-14-07

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CONNECTICUT AVE

VIRGINIA AVE

ALLEDALE SCHOOL

TYLER STREET EXTENSION

Table 1
Groundwater Measurements

Location	Top of PVC Elevation (ft above msl)	Depth to Water (ft)	Water Table Elevation (ft above msl)
78-1	1026.32	12.39	1013.93
SCH-4	1014.05	9.36	1004.69
78-6	1012.00	8.00	1004.00
GMA4-6	1009.12	9.27	999.85
NY-4	1024.24	11.54	1012.70
SCH-1	1017.11	9.04	1008.07
PZ-1	1005.60	4.18	1001.42
PZ-2	1009.89	2.70	1007.19
PZ-3	1010.43	3.97	1006.46
PZ-4	1007.96	0.72	1007.24

Msl – mean sea level