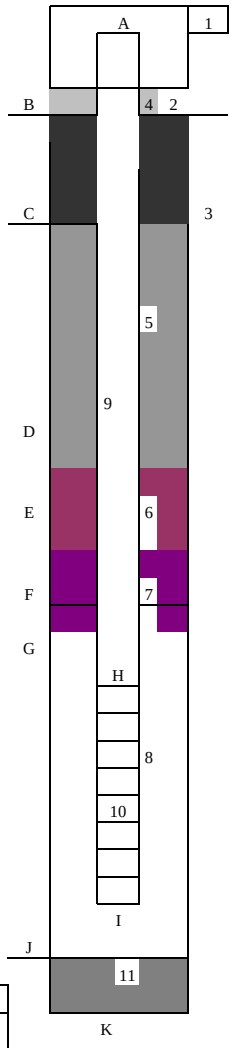
MONITORING WELL CONSTRUCTION DIAGRAM (STICK-UP)

Facility/Project Name	Facility Location/Address	Client Name
Former Cliff Dow Site	100 Wright St. / Lakeshore Blvd.	City of Marquette
Well Name	Marquette, Mi	**Date Well Installed**
GSI-900A		9/21/2009
TriMedia Project Number		**Drill Crew**
99-059		DDM, TJM
Type of Well	**Location of Well from Source**	**Geologist/Technician**
Water Table Observation Well ☒	☐ Upgradient ☐ Sidegradient	DDM
Piezometer ☐	☒ Downgradient ☐ Not Known	**Comments**
Other ☐		

A. Well Casing (top elevation)	603.23	ft
B. Land Surface Elevation	599.631	ft
C. Surface Seal (bottom)	1	ft
D. Annular Seal (top)	None	ft
E. Bentonite Seal (top)	1	ft
F. Fine Sand (top)	None	ft
G. Filter Pack (top)	6.5	ft
H. Screen Joint (top)	9.15	ft
I. Well Bottom	14.15	ft
J. Filter Pack (bottom)	14.2	ft
K. Borehole Bottom	14.2	ft



Borehole Data		
Borehole Diameter	2.25	in
O.D. Well Casing	0.8	in
I.D. Well Casing	0.75	in

1 Cap and Lock — X Yes ___ No

2 Protective Pipe — X Yes ___ No — Length 5' ft
Material: ___ — Steel X — Other ___
Additional Protection: ___ — ___ Yes ___ No

3 Surface Seal: ___ — Bentonite ___ — Concrete X — Other ___

4 Material between well casing and protective pipe: None — Bentonite ___ — Annual Space Seal ___ — Other ___

5 Annular Space Seal: None — Bentonite Chips ___ — Bentonite/Cuttings Mixture ___ — Other ___ — Insulation: Tremie ___ — Gravity ___

6 Bentonite Seal — Bentonite Chips X
___ 1/4 inch — Bentonite Pellets ___
X 3/8 inch

7 Fine Sand Material — Manuf., Prod. Name, and Mesh Size: None

8 Filter Pack Material: K&E Well Gravel — Manuf., Prod. Name, and Mesh Size: 20/40

9 Well Casing Material: Sch 40 pvc — Flush Thread X — Other ___

10 Screen Material: Sch 40 pvc — Screen type: Factory Cut X — Other ___ — Slot Size 0.1 — Slot Length 5'

11 Backfill Material (below filter pack) — None X — Other ___

DDM	*Geologist/Technician*
TAG	*Reviewed*

TriMedia Consultants