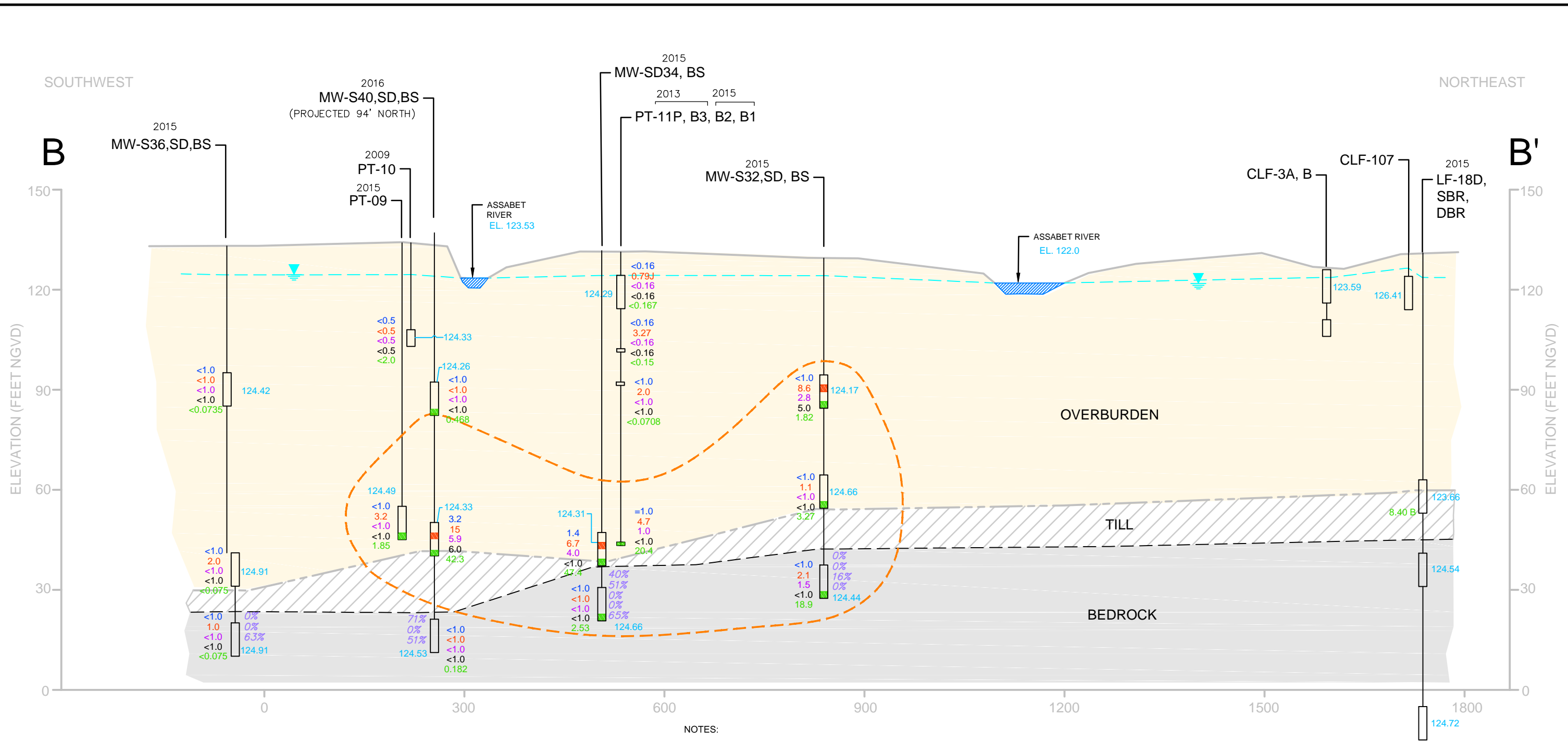


T:\PROJECTS\CADD\NMI (NUCLEAR METALS SUPERFUND SITE)\2015-DEC-SECTION\BRO09A-01_SECT A B_REV01-2016



LEGEND

- EXISTING GROUND SURFACE
- - - TOP OF TILL
- - - TOP OF BEDROCK
- 124.91 17 NOV. 2015 GROUNDWATER ELEVATION
- - - SHALLOW GROUNDWATER LEVEL
- - - EXTENT OF 1,4-DIOXANE AND VOCs ABOVE ROD CLEANUP LEVELS
- SCREENED INTERVAL MONITORING WELL
- VOCs / SVOCs 2.0 (ug/L) 50% ROCK QUALITY DESIGNATION (RQD)
- BARCAD SAMPLER

OVERBURDEN	
GLACIAL TILL	
BEDROCK	
ROD CLEANUP LEVELS	
MCLs ug/L	
PCE	5
TCE	5
1,1-DCE	7
1,1,1-TCA	200
RISK BASED ug/L	
1,4-DIOXANE	0.46

NOTES:

1. J = ESTIMATED VALUE: COMPOUND IS DETECTED, BUT BELOW THE SAMPLE QUANTITATION LIMIT.
2. \leq = CONCENTRATION WAS NOT DETECTED ABOVE THE METHOD QUANTITATIVE LIMIT EXCEPT FOR 1,4-DIOXANE WHERE \leq = THE DETECTION LIMIT
3. MCL = MAXIMUM CONTAMINANT LIMIT. ROD = RECORD OF DECISION, SEPTEMBER 2015.
4. DEPTHS TO TOP OF BEDROCK AND WELL SCREENS ARE APPROXIMATE.
5. DESIGNATIONS FROM LEFT TO RIGHT INDICATE THE SHALLOWEST TO THE DEEPEST AT THAT LOCATION.
6. WELL SCREEN COLORED WHEN COMPOUND EXCEEDS ROD CLEANUP LEVEL.
7. ASSABET RIVER ELEVATIONS DETERMINED BY LINEAR INTERPOLATION BETWEEN TWO CLOSEST KNOWN ELEVATIONS.
8. WELL CLUSTER MW-40 INSTALLED IN JANUARY 2016. WELL CLUSTERS MW-32, 34, 36 INSTALLED IN 2015. ALL OTHER WELLS INSTALLED PRIOR TO 2005.
9. GROUNDWATER ELEVATIONS FOR LOCATIONS MW-S40, MW-SD40, AND MW-BS40 WERE ESTIMATED BY COMPARING DATA COLLECTED ON 17 NOVEMBER 2015 AND 21 JANUARY 2016.

Approximate Scale
Horizontal 1" = 150'
Vertical 1" = 30'

DRAFT

VOCs and 1,4-Dioxane Distribution in Cross-Section, Data through January 2016

NUCLEAR METALS SUPERFUND SITE
CONCORD, MASSACHUSETTS

Geosyntec
consultants

ACTON, MASSACHUSETTS FEBRUARY 2016

FIGURE 8