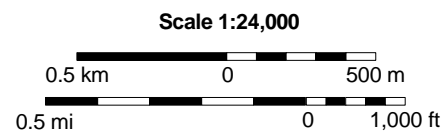


**LEGEND**

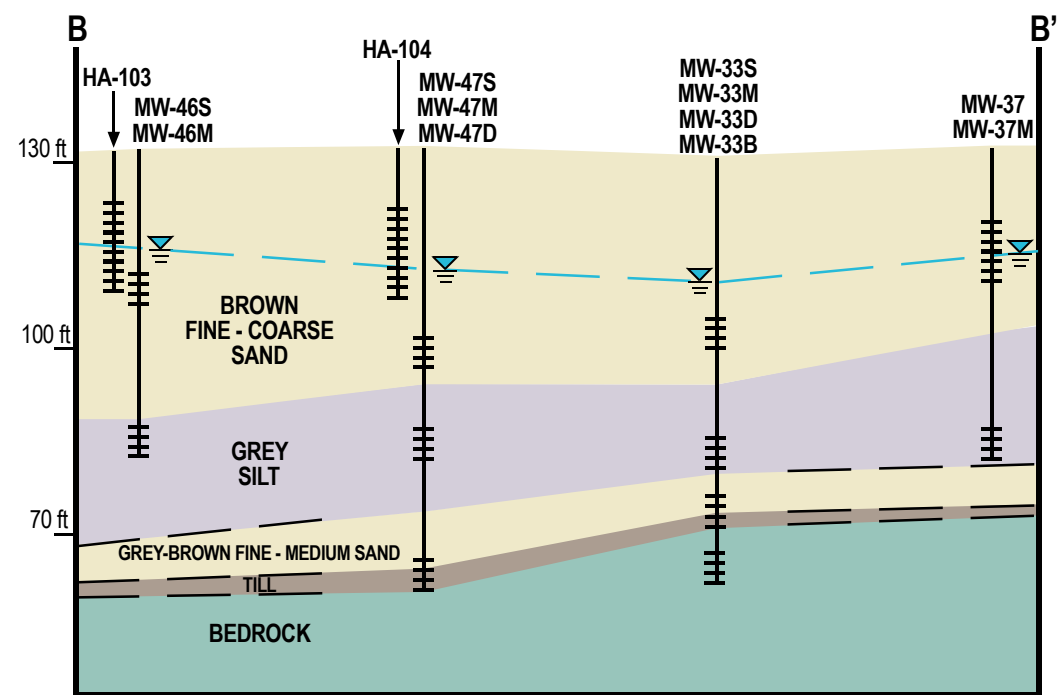
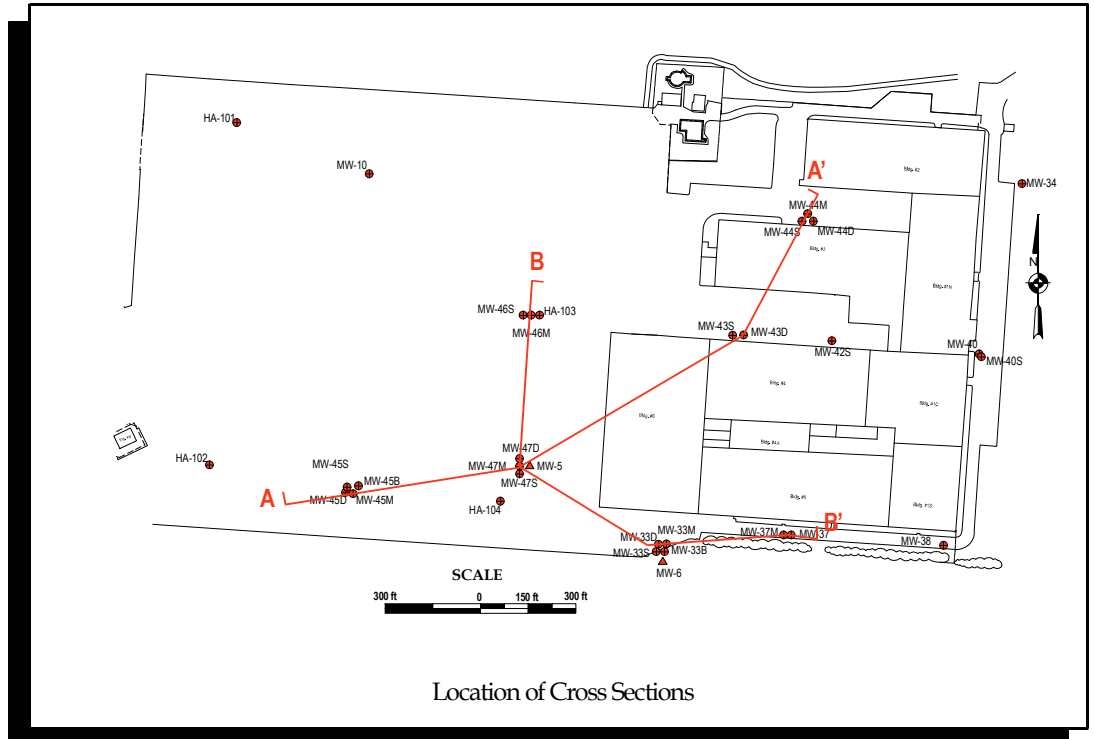
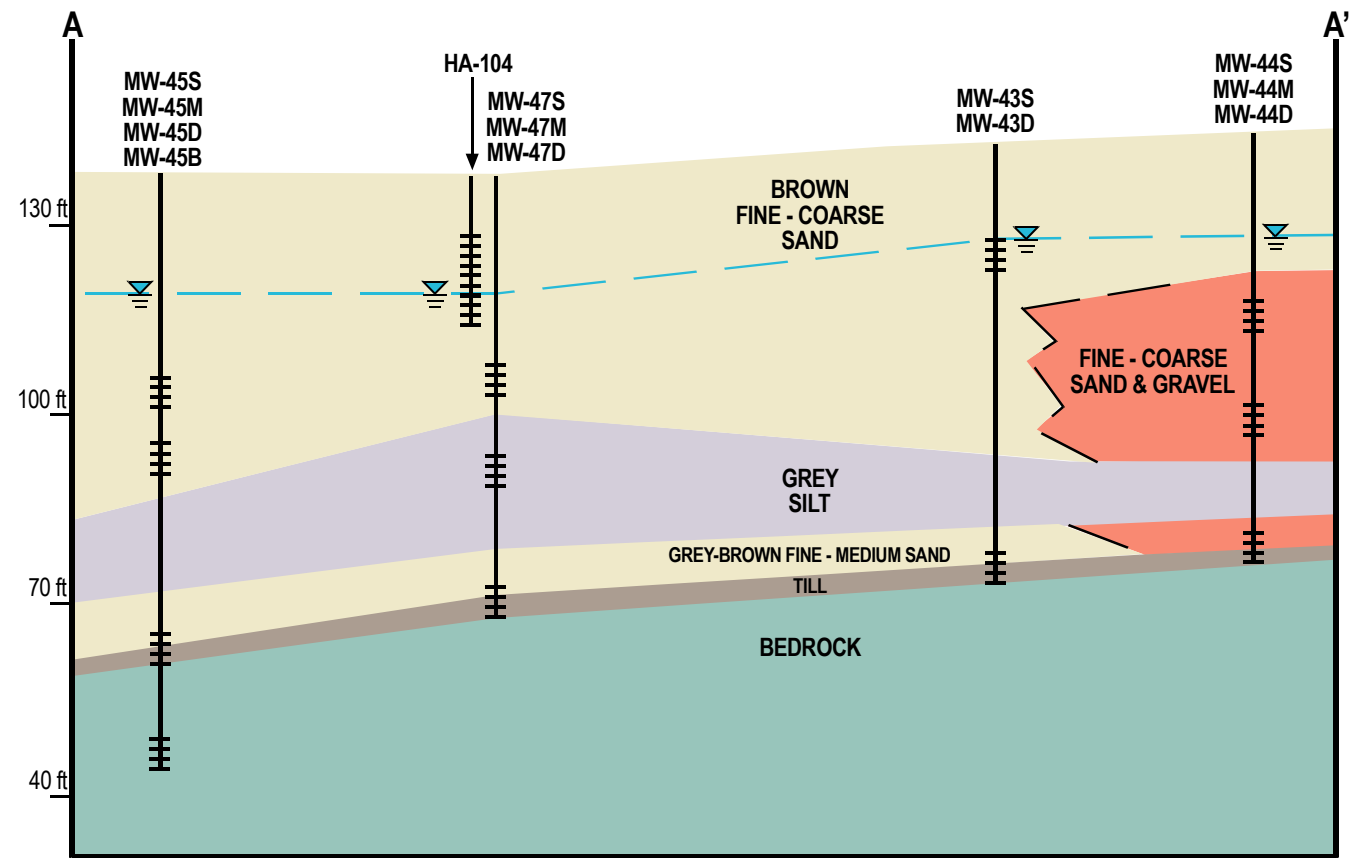
- af Artificial Fill and Graded Areas
- Qs Swamp Deposits (Holocene)
- Qal Alluvium (Holocene)
- Qrt River Terrace Deposits (Holocene)
- Qsg Sand and Gravel Undifferentiated (Holocene and Pleistocene)
- Glacial-Stream Deposits (Wisconsin)
- Qo3 Outwash associated with Stony Brook drainage and Charles River
- Qo2 Outwash on west side of Reeves Hill
- Qo1 High-level outwash in north-central part of quadrangle
- Glacial-Lake and Glacial-Stream Deposits (Wisconsin)
- Deposits of Lake Sudbury
- Qls5 Low level of Cherry Brook stage
- Qls4 High level of Cherry Brook stage
- Qls3 Low level of Weston stage
- Qls2 High level of Weston stage
- Qls1 Wayland stage
- Deposits of Lake Charles
- Qlc4 Morses Pond stage
- Qlc3 Cochituate stage
- Qlc2 East Natick stage
- Qlc1 Sherborn stage
- Ice Contact Deposits (Wisconsin)
- Qc4 Formed when stagnant ice mass was southeast of Wayland
- Qc3 Formed when stagnant ice mass was in eastern part of map
- Qc2 Formed when stagnant ice mass was in vicinity of Dudley Pond
- Qc1 Formed when stagnant ice mass was near Sherborn
- Qlsb Lake-Bottom Deposits (Wisconsin)
- Qt Till (Wisconsin)

**References:**

Surficial Geology of the Concord Quadrangle, Massachusetts, by Carl Koteff, 1964, USGS GQ-331.  
 Surficial Geologic Map of the Natick Quadrangle, Middlesex and Norfolk Counties, Massachusetts, by Arthur E. Nelson, 1974, USGS GQ-1151.  
 Surficial Geologic Map of the Framingham Quadrangle, Middlesex and Worcester Counties, Massachusetts, by Arthur E. Nelson, 1974, USGS GQ-1176.



<b>ENVIRONMENTAL RESOURCES MANAGEMENT</b>			
399 Boylston Street, Boston, Massachusetts 02116 (617) 267-8377			
CLIENT NAME:	Raytheon	DRAWN BY: LA	DATE: 2/19/01
FILE NAME:	Surficial Map	SCALE: 1:24,000	PROJ: 143.50
Raytheon Systems Company 430 Boston Post Road Wayland, Massachusetts			FIGURE NO.: <b>10</b>
PRINCIPAL-IN-CHARGE: JD		PROJECT MANAGER: JMcT	



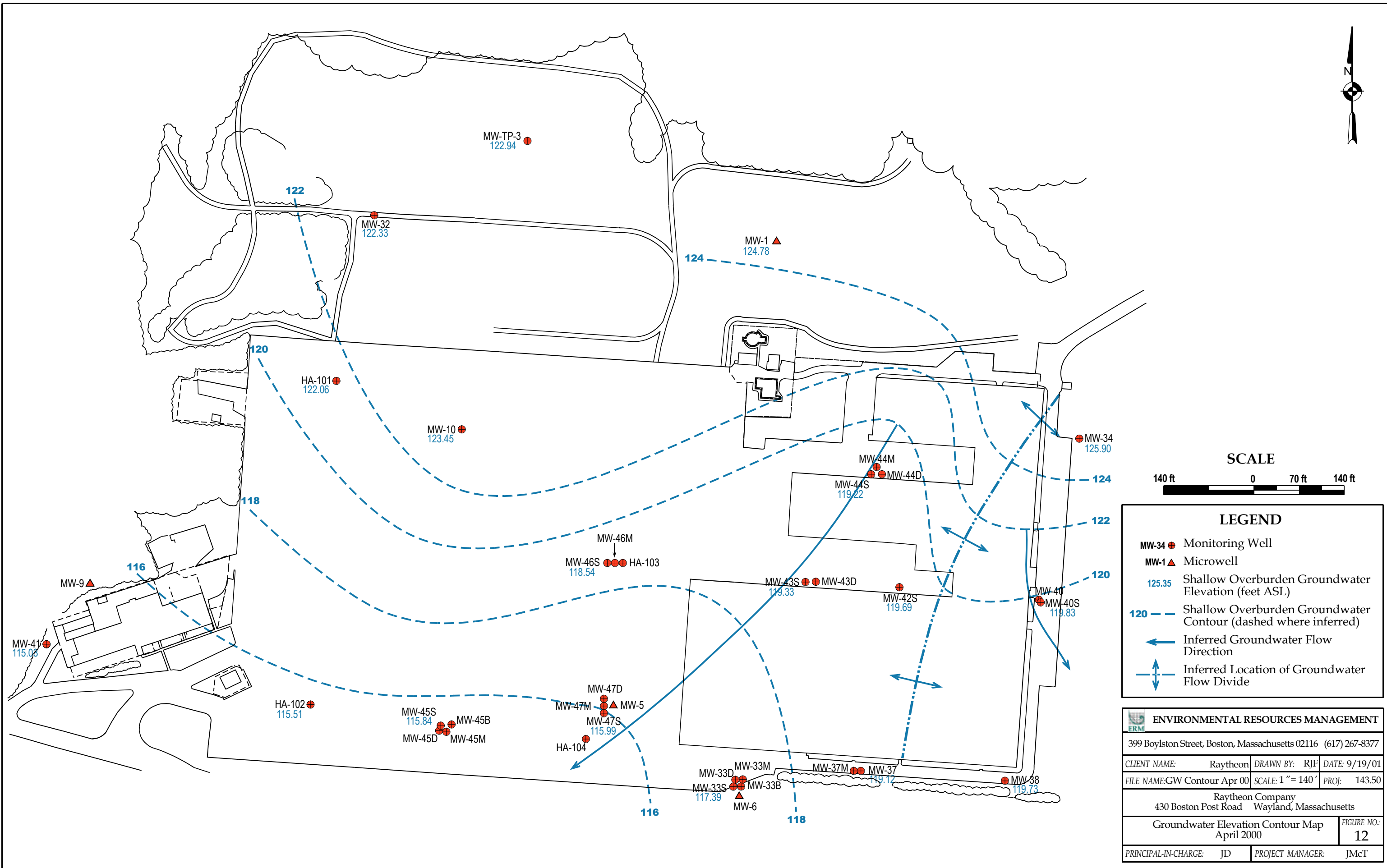
**APPROXIMATE SCALE**  
 Horizontal: 1" = 300'  
 Vertical: 1" = 30'

**NOTE:**  
 All elevations are approximate and are relative to mean sea level.

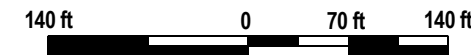
LEGEND			
MW-9D	Existing Monitoring Well		
	Shallow Overburden Groundwater Table		
	Well Screen		

ENVIRONMENTAL RESOURCES MANAGEMENT 399 Boylston Street, Boston, Massachusetts 02116 (617) 267-8377			
CLIENT NAME:	Raytheon	DRAWN BY:	RJF
FILE NAME:	Cross Section Map	SCALE:	1" = 300'
		DATE:	5/11/00
		PROJ:	143.50
Raytheon Company 430 Boston Post Road Wayland, Massachusetts			
GENERALIZED GEOLOGIC CROSS SECTION MAP			FIGURE NO.: 11
PRINCIPAL-IN-CHARGE:	JD	PROJECT MANAGER:	JMcT



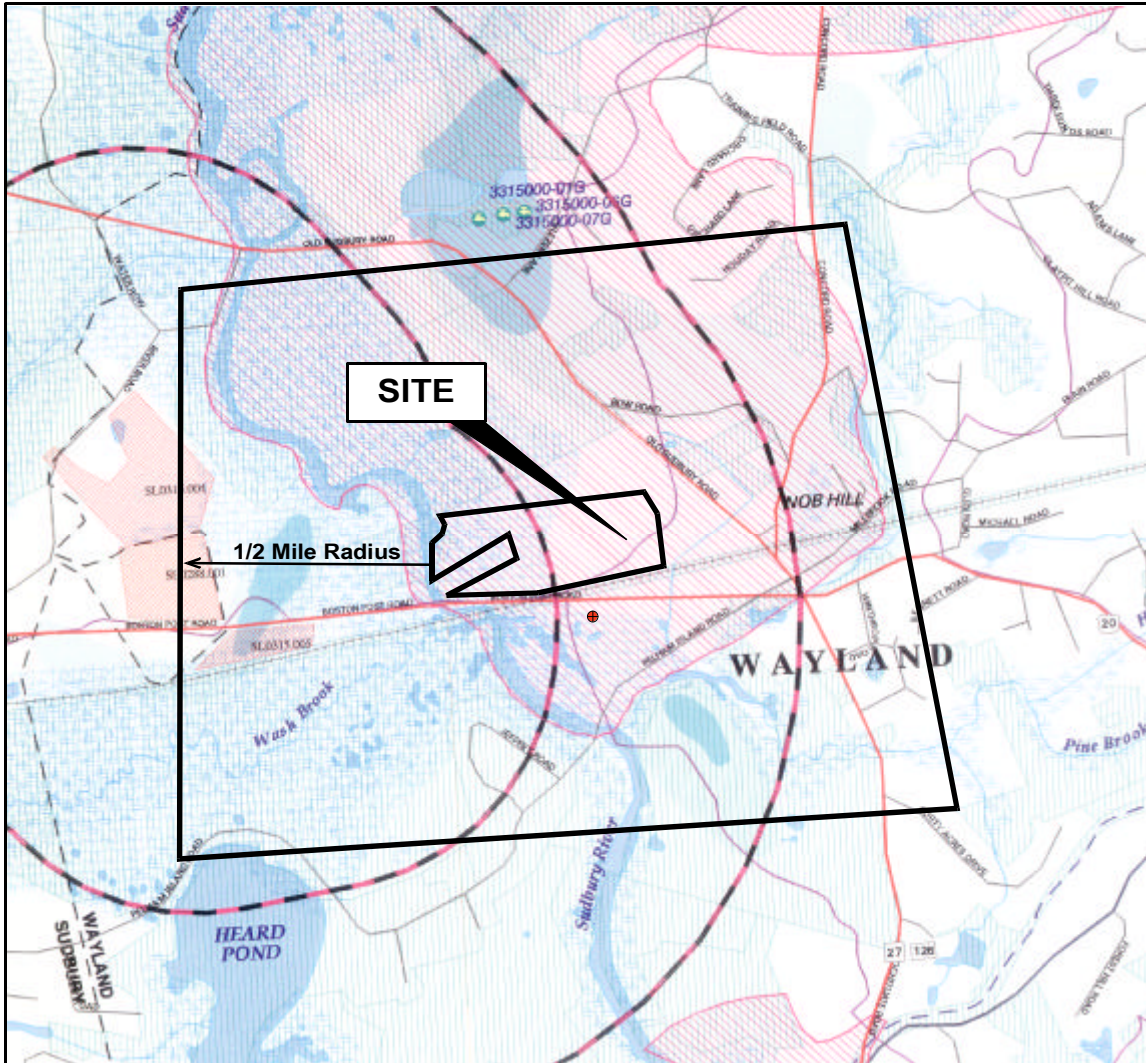
**SCALE**



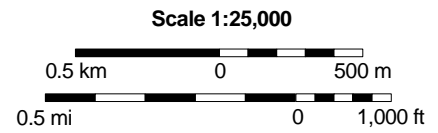
**LEGEND**

- MW-34 ● Monitoring Well
- MW-1 ▲ Microwell
- 125.35 Shallow Overburden Groundwater Elevation (feet ASL)
- 120 - - - Shallow Overburden Groundwater Contour (dashed where inferred)
- ← Inferred Groundwater Flow Direction
- ↕ Inferred Location of Groundwater Flow Divide

ENVIRONMENTAL RESOURCES MANAGEMENT		
399 Boylston Street, Boston, Massachusetts 02116 (617) 267-8377		
CLIENT NAME: Raytheon	DRAWN BY: RJF	DATE: 9/19/01
FILE NAME: GW Contour Apr 00	SCALE: 1" = 140'	PROJ: 143.50
Raytheon Company 430 Boston Post Road Wayland, Massachusetts		
Groundwater Elevation Contour Map April 2000		FIGURE NO.: 12
PRINCIPAL-IN-CHARGE: JD	PROJECT MANAGER: JMCT	



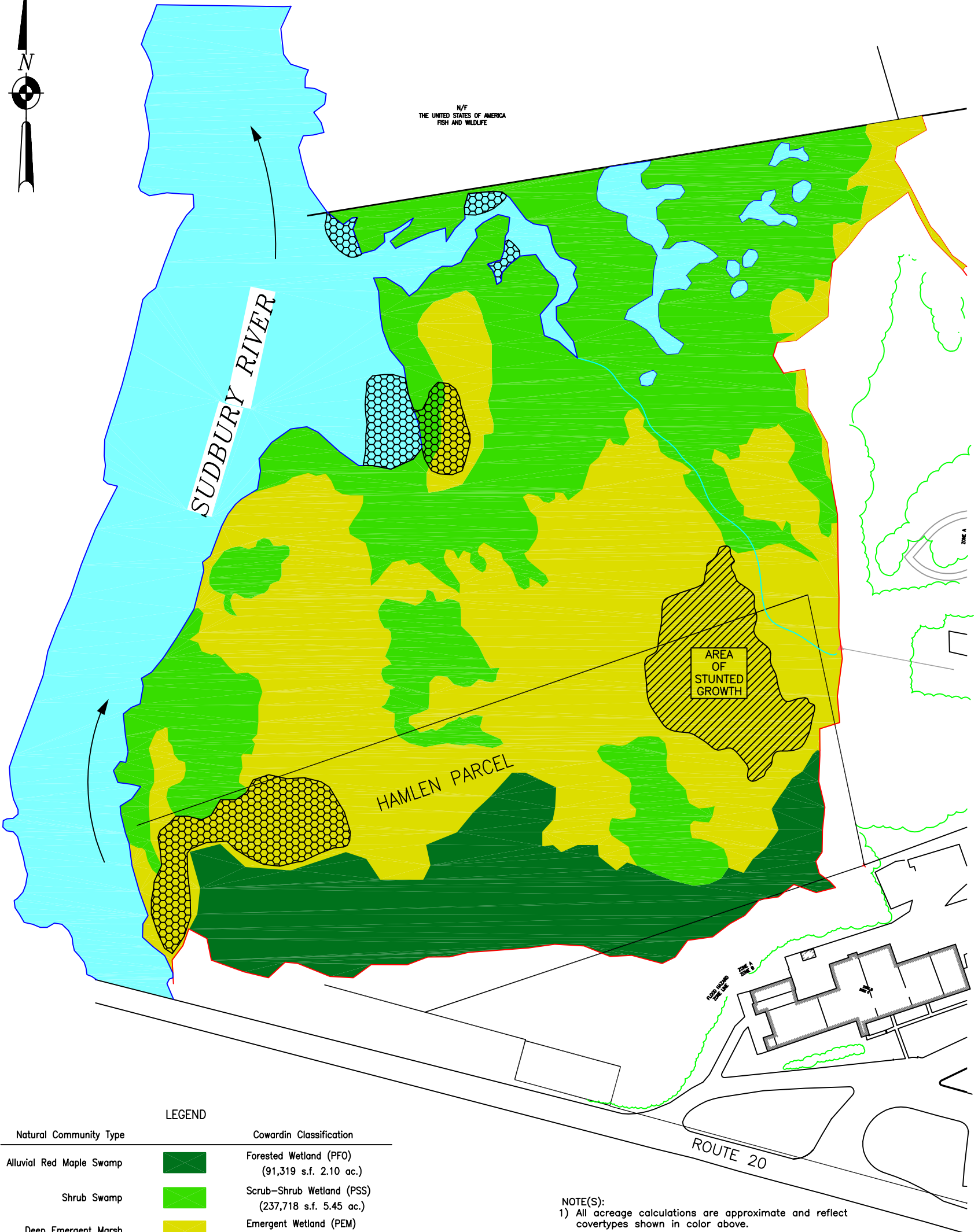
LEGEND	
	Non Potential Drinking Water Source Area: Medium Yield
	Non Potential Drinking Water Source Area: High Yield
	Potentially Productive Medium Yield Aquifer
	Potentially Productive High Yield Aquifer
	EPA Designated Sole Source Aquifer
	DEP Approved Wellhead Protection Area (Zone II)
	DEP Interim Wellhead Protection Area (IWPA)
	Public Surface Water Supply Protection Area (Zone A)
	Lake Pond Stream or other Fresh Water Feature
	Bay Estuary or other Salt Water Feature
	Fresh Water Non-Forested Wetland
	Salt Water Wetland
	NHESP 1999-2001 Estimated Habitats of Rare Wildlife for Use with the MA Wetlands Protection Act regulations (310 CMR10)
	Protected and Recreational Open Space
	Areas of Critical Environmental Concern
	Solid Waste Landfill
	Public Surface Water Supply
	Community Public Water Supply - Groundwater
	Non Community Public Water Supply
	NHESP 1999-2001 MA Certified Vernal Pool
	1/2 and 1 Mile Landfill Buffer
	Limited Access Highway
	Multi-Lane Highway; NOT Limited Access
	Other Numbered Highway
	Major Road - Connector
	Minor Street or Road
	Track or Trail
	Municipal Boundary
	County Boundary
	Train
	Powerline
	Pipeline
	Aqueduct
	Major Drainage Basin
	Sub Drainage Basin
	USGS Quadrangle Boundary
	Private Irrigation Well



ENVIRONMENTAL RESOURCES MANAGEMENT			
399 Boylston Street, Boston, Massachusetts 02116 (617) 267-8377			
CLIENT NAME:	Raytheon	DRAWN BY: LA	DATE: 2/19/01
FILE NAME:	GIS Map 1.01	SCALE: 1:25,000	PROJ: 143.50
Raytheon Company 430 Boston Post Road Wayland, Massachusetts			FIGURE NO: 13
PRINCIPAL-IN-CHARGE: JD		PROJECT MANAGER: JMCT	



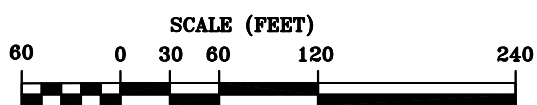
N/F  
THE UNITED STATES OF AMERICA  
FISH AND WILDLIFE



**LEGEND**

Natural Community Type		Cowardin Classification
Alluvial Red Maple Swamp		Forested Wetland (PFO) (91,319 s.f. 2.10 ac.)
Shrub Swamp		Scrub-Shrub Wetland (PSS) (237,718 s.f. 5.45 ac.)
Deep Emergent Marsh		Emergent Wetland (PEM) (295,670 s.f. 6.79 ac.)
Open Water		(RUB) / (PUB)
		Delineated Wetland Boundary/Project Boundary (location provided by ERM)
River Bulrush		

- NOTE(S):
- 1) All acreage calculations are approximate and reflect covertypes shown in color above.
  - 2) River location and natural community boundaries are approximate, and based on aerial photo interpretation and onsite observations. Aerial photo from MassGIS 1995.
  - 3) Base map information including road locations, buildings, wetland boundary, and swale location based on a plan dated 9/13/99 called "Proposed Sample Collection Grid" produced by ERM.
  - 4) Taken from the Woodlot Alternatives report "Raytheon Project Area, Ecological Characterization," dated December 2000.



**ERM**  
399 BOYLSTON STREET—BOSTON, MA 02116  
(617) 267-8377

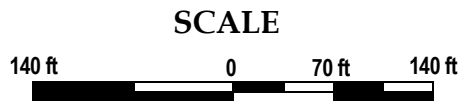
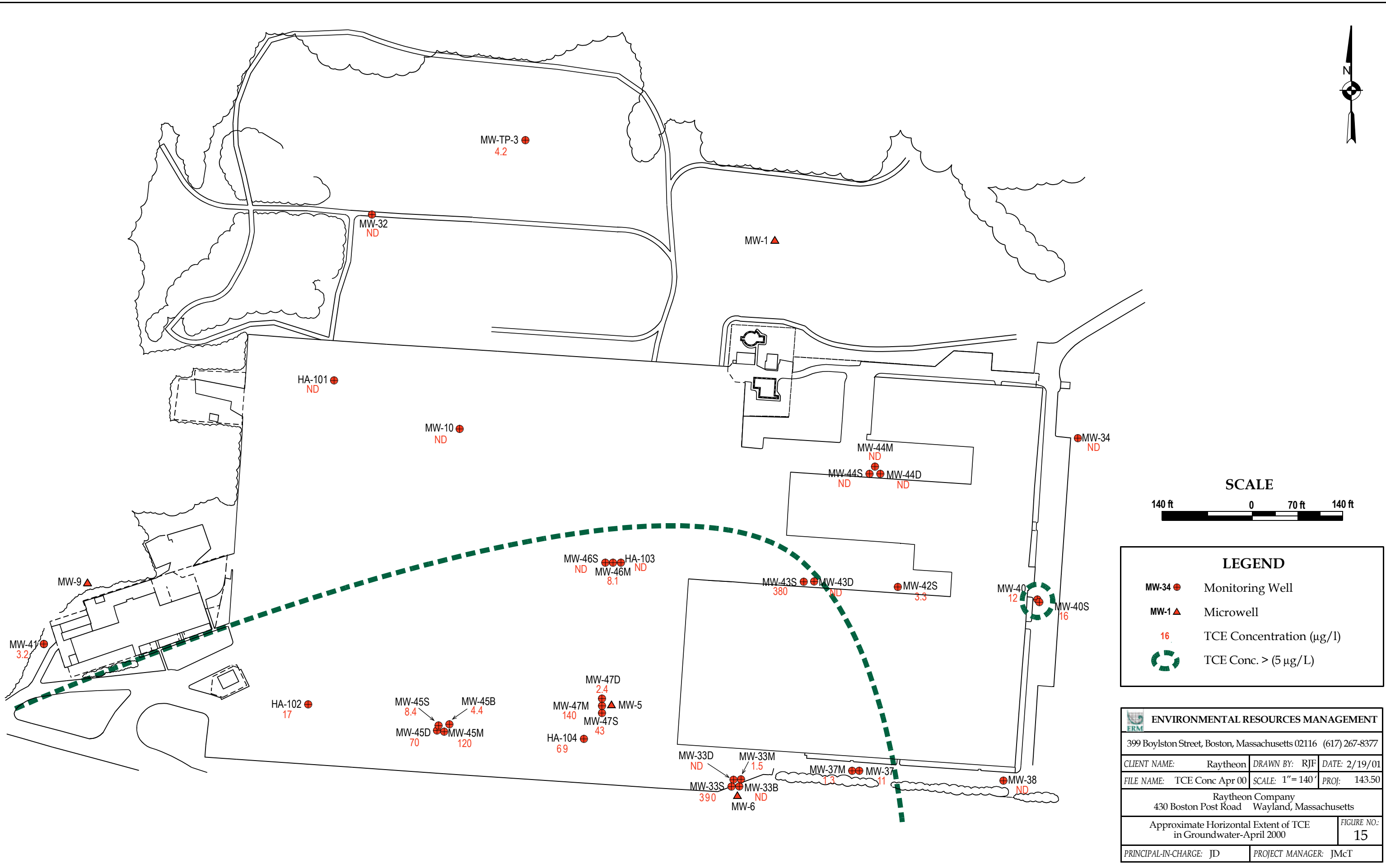
Raytheon Company  
430 Boston Post Road  
Wayland, Massachusetts

Designed by:  
Drawn by:  
Checked by:  
Reviewed by:  
Submitted by:

**Wetland Communities Map**

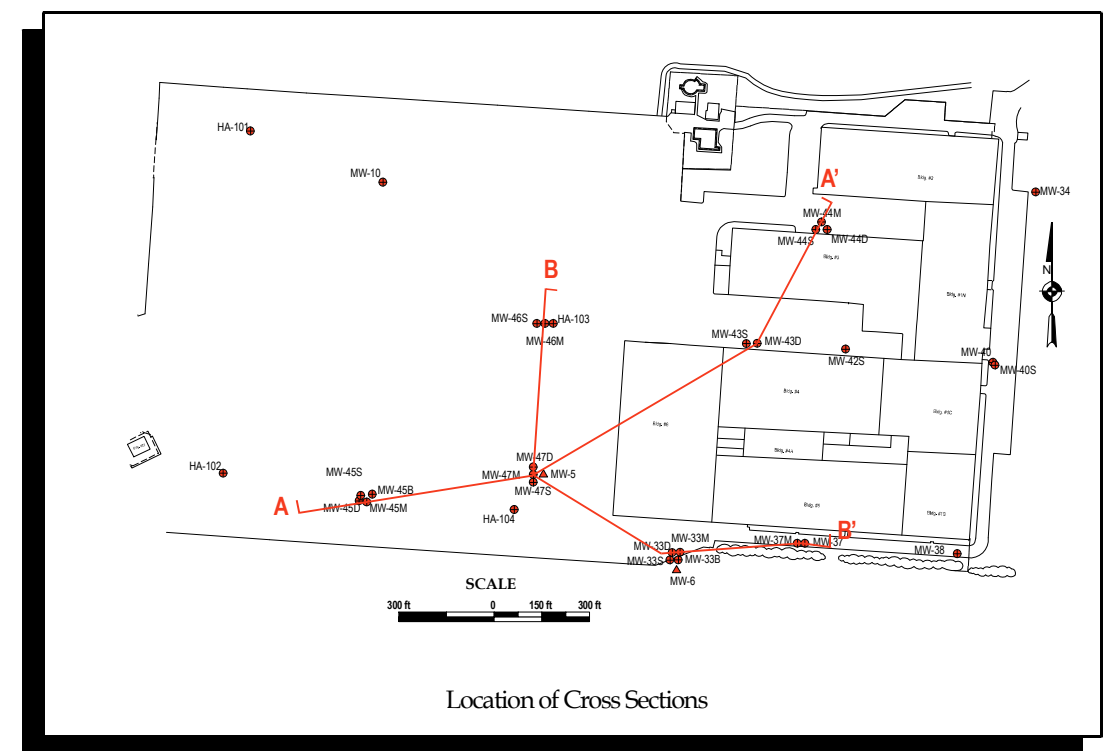
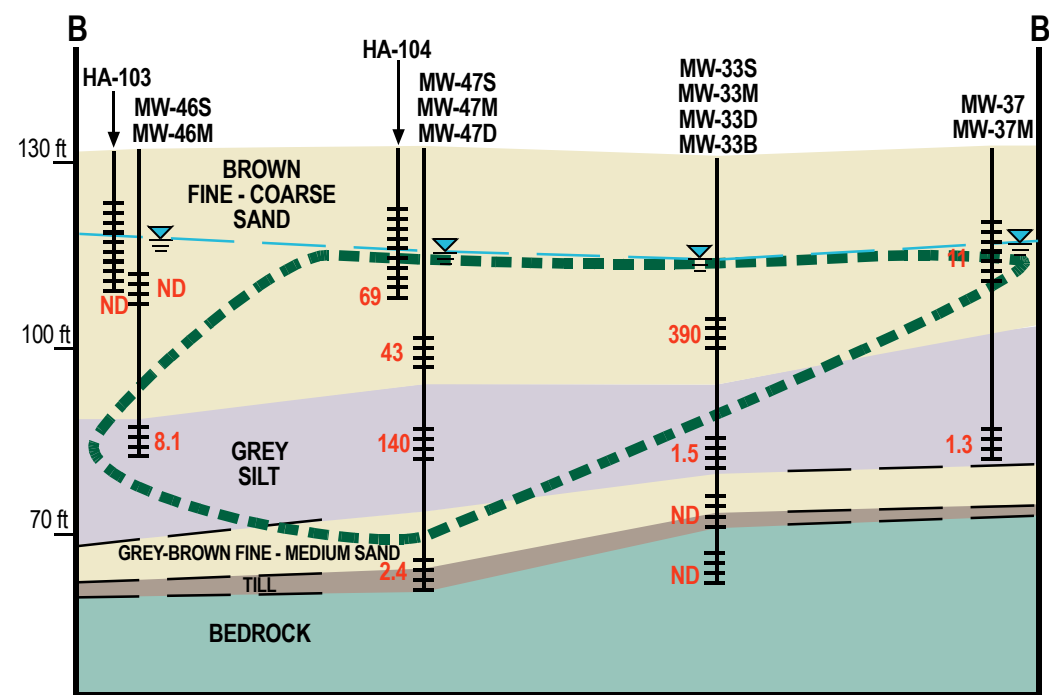
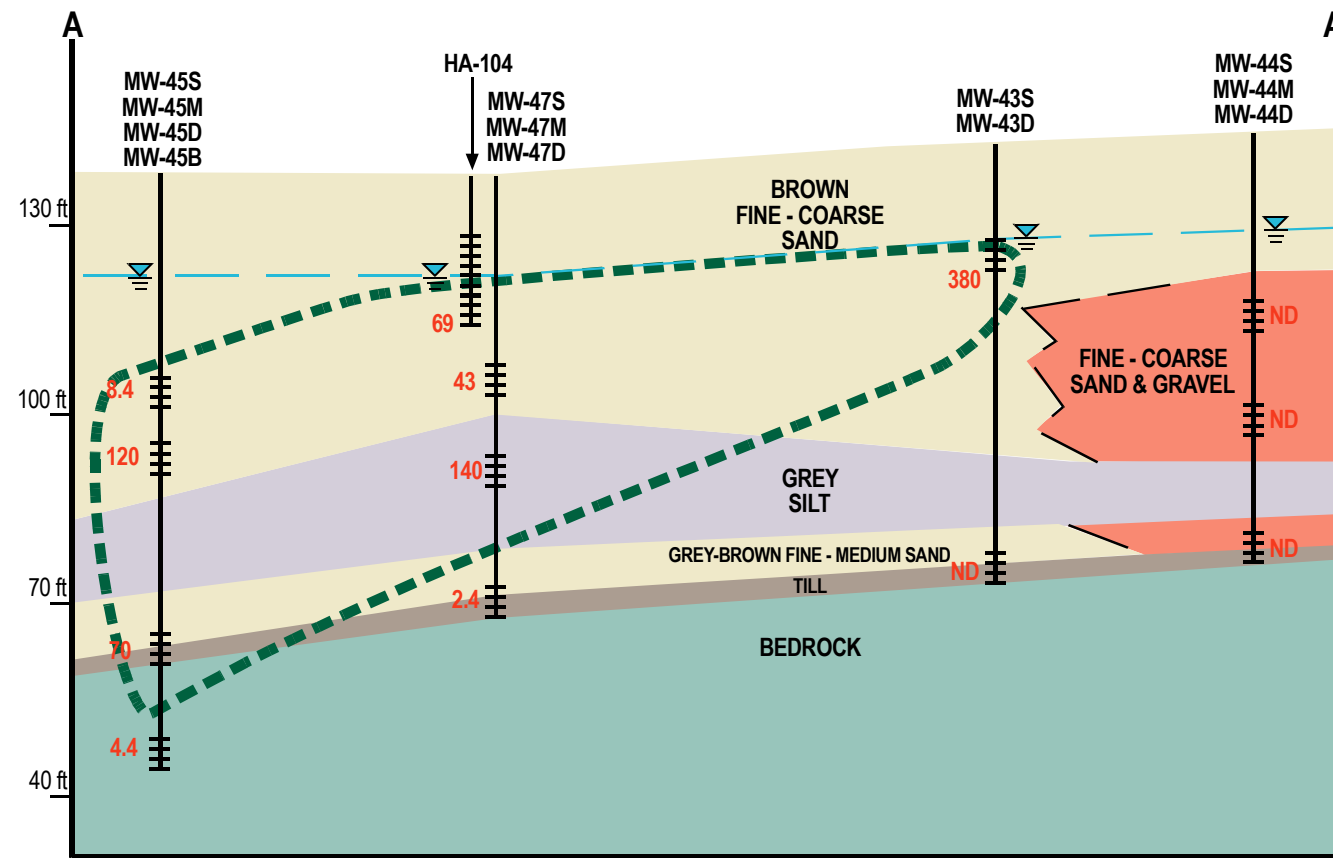
Revisions			
Symbol	Description	Date	Approved
	G:\143.50\Job File\Phase II\Report Figures		
	\Final Figures\Fig 14- Wetland Communities Map		

Scale: 1"=120'  
Date: 2/19/01  
Drawing No. \_\_\_\_\_  
Figure No. 14  
Contract No. 143.50



LEGEND	
MW-34 ●	Monitoring Well
MW-1 ▲	Microwell
16	TCE Concentration (µg/l)
	TCE Conc. > (5 µg/L)

ENVIRONMENTAL RESOURCES MANAGEMENT		
399 Boylston Street, Boston, Massachusetts 02116 (617) 267-8377		
CLIENT NAME: Raytheon	DRAWN BY: RJF	DATE: 2/19/01
FILE NAME: TCE Conc Apr 00	SCALE: 1" = 140'	PROJ: 143.50
Raytheon Company 430 Boston Post Road Wayland, Massachusetts		
Approximate Horizontal Extent of TCE in Groundwater-April 2000		FIGURE NO.: 15
PRINCIPAL-IN-CHARGE: JD	PROJECT MANAGER: JMCT	

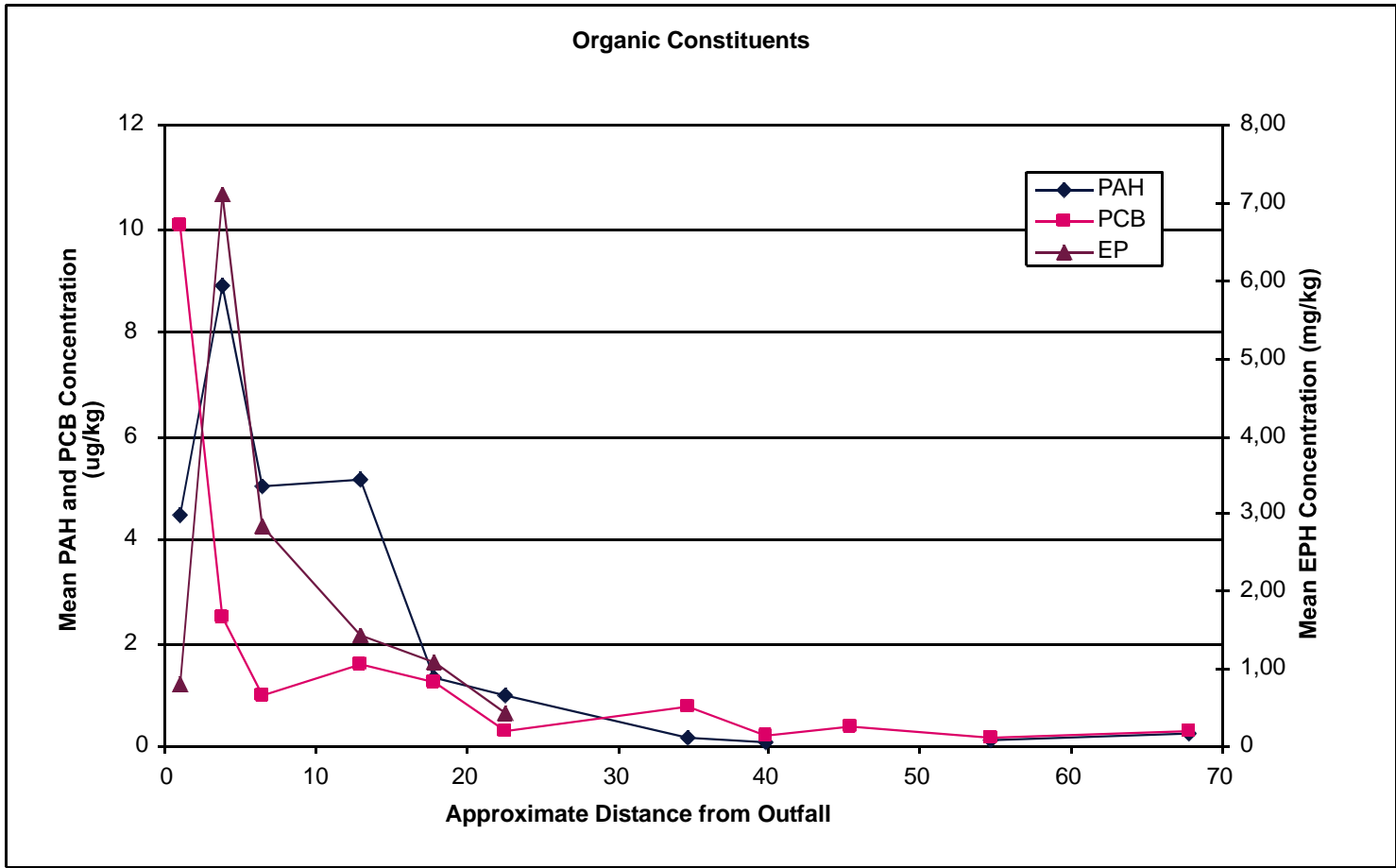



LEGEND	
MW-9D	Monitoring Well
240	TCE Concentration ( $\mu\text{g}/\text{l}$ )
---	Shallow Overburden Groundwater Table
---	TCE Conc. $> 5 \mu\text{g}/\text{L}$

**APPROXIMATE SCALE**  
 Horizontal: 1" = 140'  
 Vertical: 1" = 30'

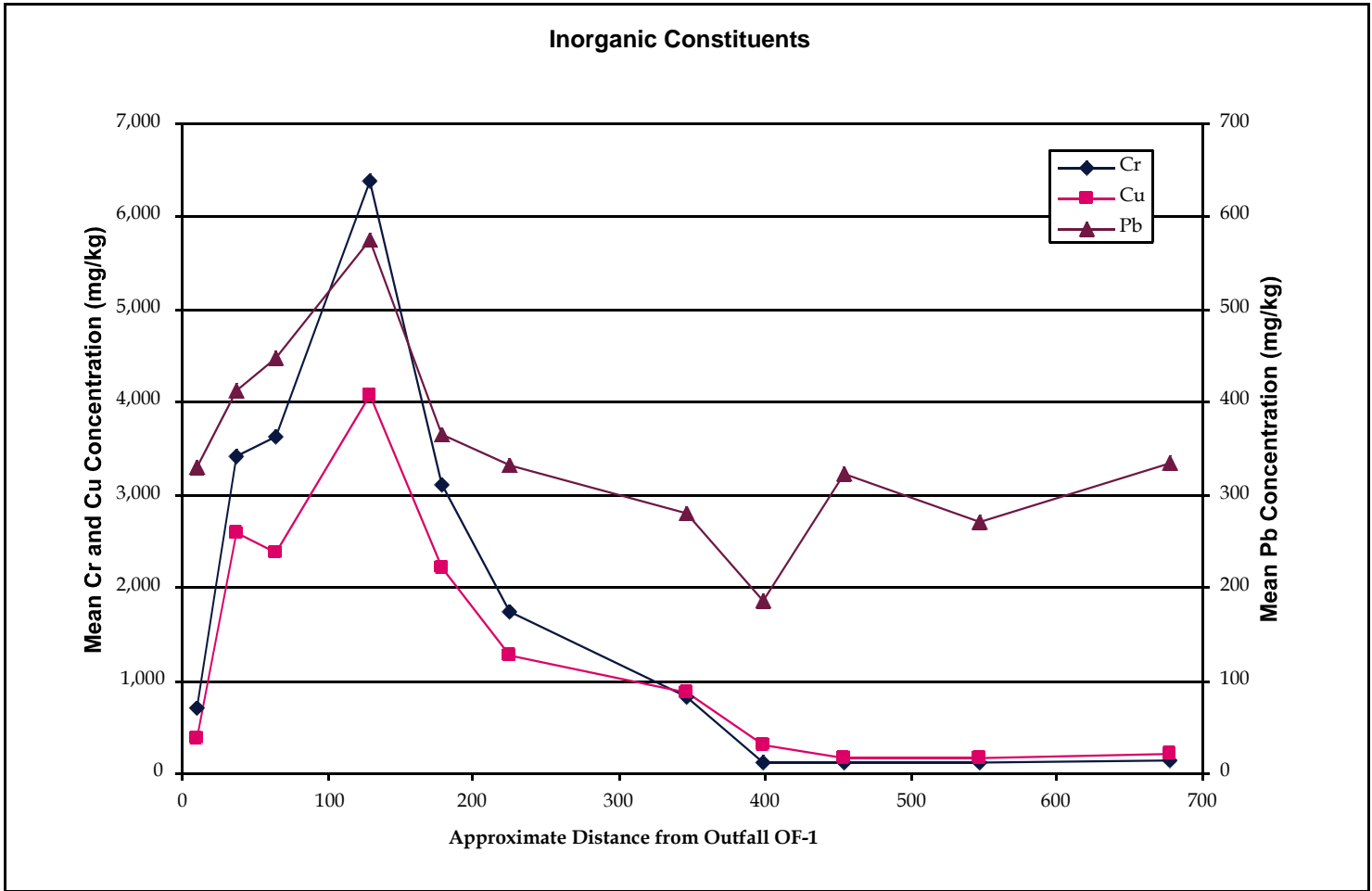
**NOTE:**  
 All elevations are approximate and are relative to mean sea level.

ENVIRONMENTAL RESOURCES MANAGEMENT		
399 Boylston Street, Boston, Massachusetts 02116 (617) 267-8377		
CLIENT NAME: Raytheon	DRAWN BY: R.JF	DATE: 2/19/01
FILE NAME: Cross Section Map Apr 00	SCALE: 1" = 300'	PROJ: 143.50
Raytheon Company 430 Boston Post Road Wayland, Massachusetts		
GENERALIZED GEOLOGIC CROSS SECTION MAP Showing Approximate Vertical Extent of TCE (April 2000)		FIGURE NO.: 16
PRINCIPAL-IN-CHARGE: JD	PROJECT MANAGER: JMcT	



 <b>ENVIRONMENTAL RESOURCES MANAGEMENT</b>			
399 Boylston Street, Boston, Massachusetts 02116 (617) 267-8377			
CLIENT NAME:	Raytheon	DRAWN BY:	LA
		DATE:	9/19/01
FILE NAME:	Sed Conc-Organic	SCALE:	
		PROJ:	143.50
Raytheon Company 430 Boston Post Road Wayland, Massachusetts			
MEAN SOIL/SEDIMENT CONCENTRATION AS A FUNCTION OF DISTANCE FROM OUTFALL OF-1			FIGURE NO.: 17a
PRINCIPAL-IN-CHARGE: JD		PROJECT MANAGER: JMcT	





ENVIRONMENTAL RESOURCES MANAGEMENT			
399 Boylston Street, Boston, Massachusetts 02116 (617) 267-8377			
CLIENT NAME:	Raytheon	DRAWN BY:	LA
		DATE:	9/19/01
FILE NAME:	Sed Conc-Inorganic	SCALE:	
		PROJ:	143.50
Raytheon Company 430 Boston Post Road Wayland, Massachusetts			
MEAN SOIL/SEDIMENT CONCENTRATION AS A FUNCTION OF DISTANCE FROM OUTFALL OF-1			FIGURE NO.: 17b
PRINCIPAL-IN-CHARGE: JD		PROJECT MANAGER: JMcT	