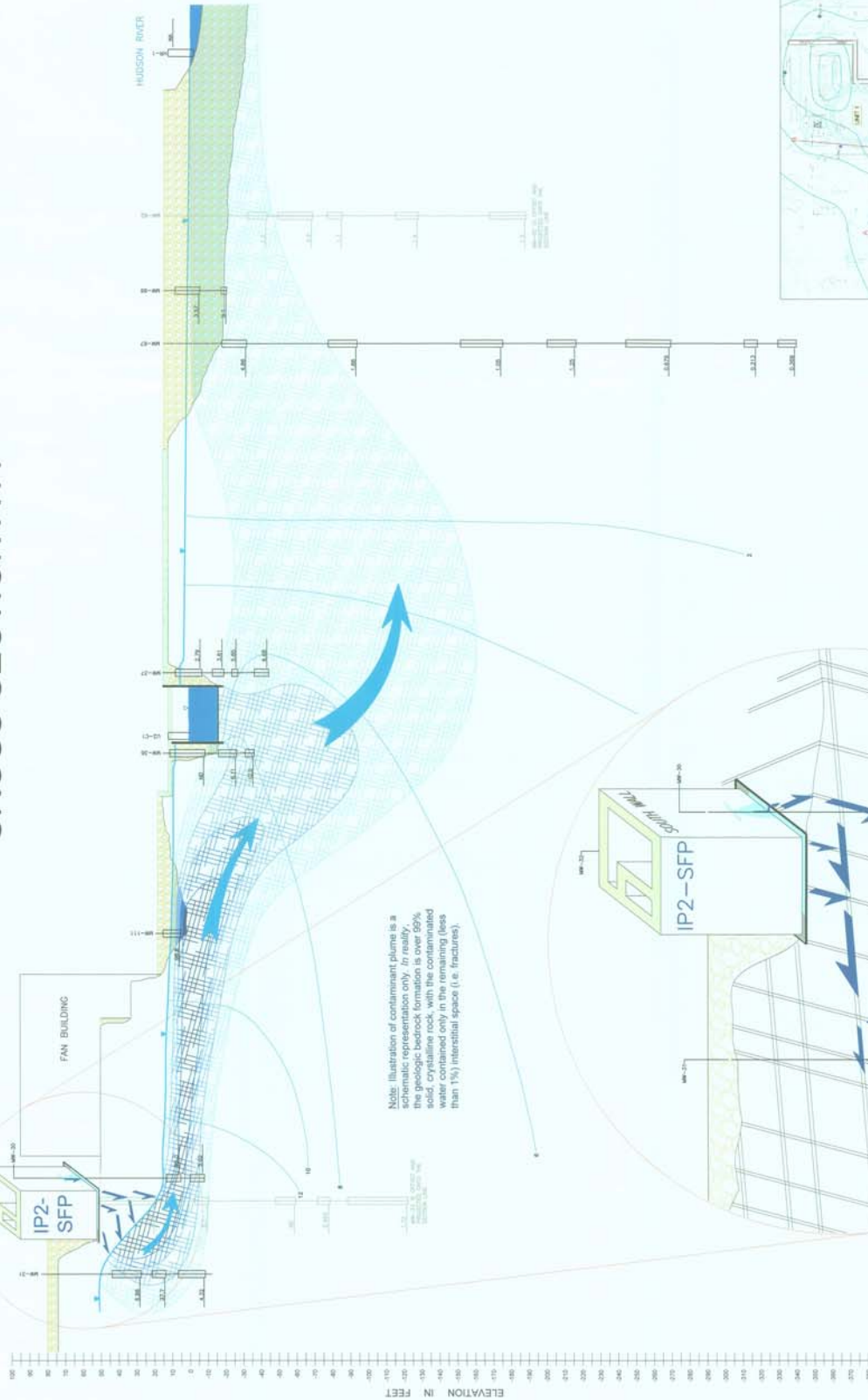


CROSS SECTION A-A'



Note: Illustration of contaminant plume is a schematic representation only. In reality, the geologic bedrock formation is over 99% solid crystalline rock, with the contaminated areas consisting of less than 1% interstitial space (i.e. fractures).

UNSATURATED ZONE FLOW MECHANISM

LEGEND:

- CONCRETE
- OVERBURDEN
- BEDROCK
- GROUNDWATER PIEZOMETRIC HEAD CONTOUR
- GROUNDWATER FLOW
- UNSATURATED ZONE FLOW DIRECTION
- MUD MAT

MONITORING WELL



SCREENED INTERVAL
MEASURED ACTIVITY OF
1,25 H3 (PC/L X 1,000)
FOR EACH SCREENED
INTERVAL AUG./SEPT.
2007.

CONTOUR INTERVAL

- SOIL ROCK
- 5,000 - 10,000
- 10,000 - 50,000
- 50,000 - 100,000
- > 100,000

MOST RECENT MEASURED ACTIVITIES IN
PC/L THROUGH AUGUST 2007 DATA

NOTES:

1. BASE MAP DEVELOPED FROM ELECTRONIC SURVEYING & ENGINEERING PC, COLD SPRING, NY. THE DATA POINTS AND THE ORIGINATIONS OF STRUCTURES ABOVE THE WATER TABLE ARE APPROXIMATE AND/OR HAVE NOT BEEN VERIFIED. THE DATA POINTS BETTER ILLUSTRATE CONTAMINANT SOURCE MECHANISMS AND/OR MIGRATION PATHWAYS.
2. WATER LEVEL READINGS HAVE BEEN MADE IN WELLS MW-01 THROUGH MW-02. THESE DATA HAVE BEEN REVIEWED AND INTERPRETATIONS UNDER THE CONDITIONS STATED. THESE DATA FLUCTUATIONS IN THE LEVEL OF THE WATER TABLE IN RESPONSE TO VARIATIONS IN RAINFALL, TIDES, TEMPERATURE AND OTHER FACTORS.
3. THE INTERPOLATED LINES ARE BASED UPON INTERPOLATIONS BETWEEN WELL SCREENED BORINGS AND MONITORING WELLS AND THUS REPRESENT AN ESTIMATION OF THE ACTUAL TRANSITIONS BETWEEN SOIL TYPES.
4. MW-02 AND MW-01 ARE OFFSET AND INTERPOLATED TO THE LOCATION OF THE SEE FIGURE 6.17 FOR CROSS SECTION LOCATION.



CROSS SECTION LOCATION - FROM FIGURE 6.17

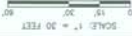
PROJECT NO.
17869.10
FIGURE NO.

9.1

INDIAN POINT ENERGY CENTER
BUCHANAN, NEW YORK
UNIT 2 TRIUMF PLUME
A-A'

PROJ. MGR. DWM
DESIGNED BY: DWM/MLB
OPERATOR: CJP/GAS/CMS
DATE: 01-04-2008

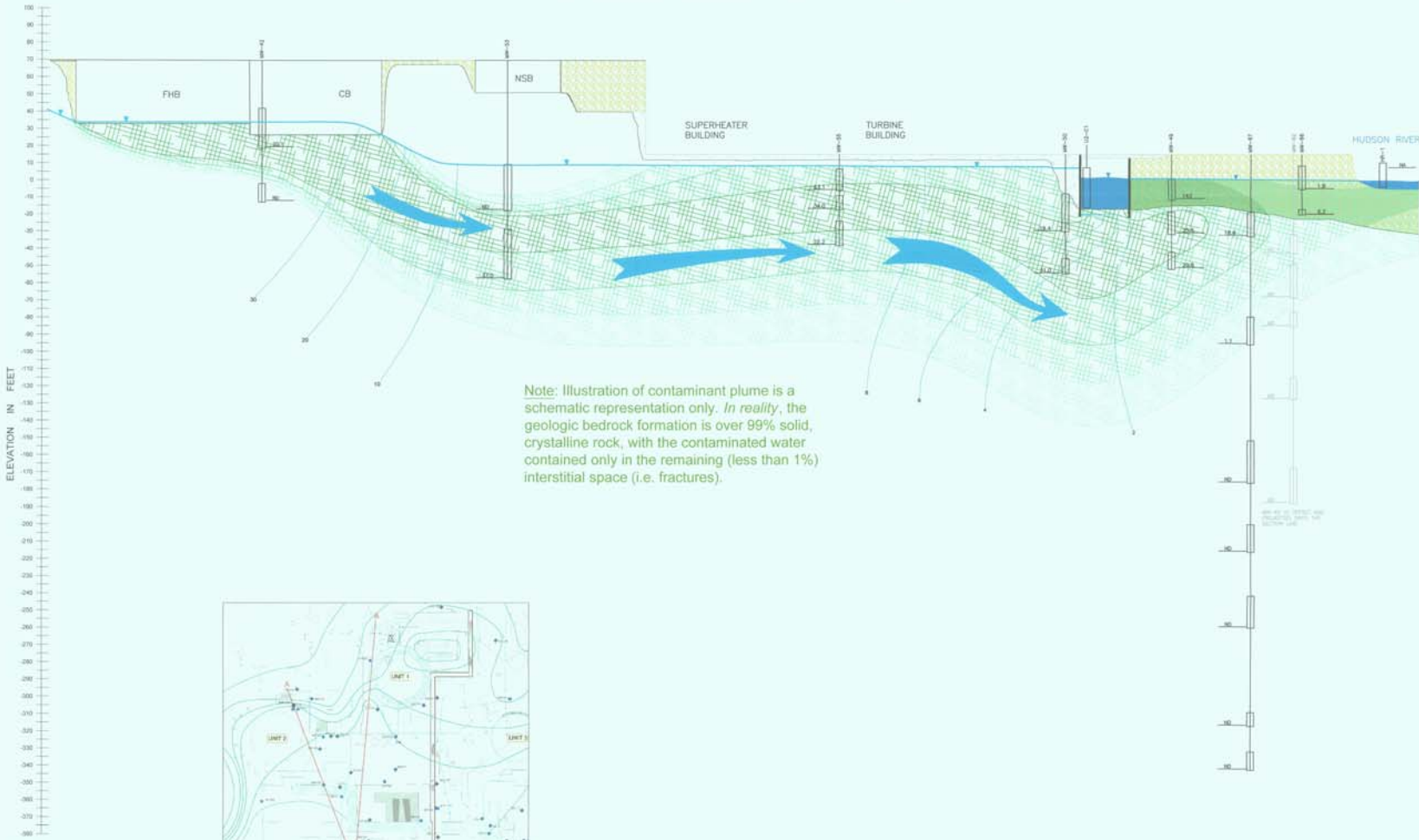
GZA Geoenvironmental, Inc.
1000 NEW YORK AVENUE
NEW YORK, NY 10001
TEL: (212) 271-8100
FAX: (212) 271-8100



REV. NO.	DATE	DESCRIPTION

D-18

CROSS SECTION B-B'



Note: Illustration of contaminant plume is a schematic representation only. In reality, the geologic bedrock formation is over 99% solid, crystalline rock, with the contaminated water contained only in the remaining (less than 1%) interstitial space (i.e. fractures).



CROSS SECTION LOCATION - FROM FIGURE 6.17

- LEGEND:**
- CONCRETE
 - OVERBURDEN
 - BEDROCK
 - GROUNDWATER PIEZOMETRIC HEAD CONTOUR
 - GROUNDWATER TABLE
 - GROUNDWATER FLOW DIRECTION
 - MONITORING WELL
 - SCREENED INTERVAL
 - MEASURED ACTIVITY OF SR-90 (pCi/L) FOR EACH SCREENED INTERVAL

CONTOUR INTERVAL

SOIL ROCK	MEASURED ACTIVITY (pCi/L)
[Light Green]	2-4 pCi/L
[Medium Green]	4-8 pCi/L
[Dark Green]	8-25 pCi/L
[Dark Green with Grid]	>25 pCi/L

MOST RECENT MEASURED ACTIVITIES IN pCi/L THROUGH AUGUST 2007 DATA.

- NOTES:**
1. BASE MAP DEVELOPED FROM ELECTRONIC FILES, PREPARED BY BADEY AND WATSON SURVEYING & ENGINEERING PC, COLD SPRING, NY 10516. EXACT LOCATIONS AND ORIENTATIONS OF STRUCTURES ABOVE THE WATER TABLE ARE APPROXIMATE AND/OR HAVE BEEN MODIFIED ON THESE SECTIONS TO BETTER ILLUSTRATE CONTAMINANT SOURCE MECHANISMS AND/OR MIGRATION PATHWAYS.
 2. WATER LEVEL READINGS HAVE BEEN MADE IN THE MONITORING WELLS AT THE TIMES AND UNDER THE CONDITIONS STATED. THESE DATA HAVE BEEN REVIEWED AND INTERPRETATIONS MADE IN THE TEXT OF THIS REPORT. HOWEVER, IT MUST BE STATED THAT FLUCTUATIONS IN THE LEVEL OF THE GROUNDWATER MAY OCCUR DUE TO VARIATIONS IN RAINFALL, TIDES, TEMPERATURE AND OTHER FACTORS.
 3. THE STRATIFICATION LINES ARE BASED UPON INTERPOLATIONS BETWEEN WIDELY SPACED BORINGS AND MONITORING WELLS AND THIS REPRESENTS THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES. ACTUAL TRANSITIONS MAY VARY FROM THOSE SHOWN.
 4. MW-62 IS OFFSET AND PROJECTED ONTO THE SECTION LINE.
 5. SEE FIGURE 6.17 FOR CROSS SECTION LOCATION.

D-19

REV. NO.	REV. DATE	DESCRIPTION	BY

SCALE: 1" = 30 FEET

 GZA Geoscientific, Inc.
 140 NORTH AVENUE
 SUITE 200
 NEW YORK, NY 10017
 TEL: (212) 512-4100
 FAX: (212) 512-4100

PROJ. MGR.: DMW
 DESIGNED BY: MJC
 REVISION BY: DMW/ANB
 OPERATOR: CLE/CSG/CRB
 DATE: 01-04-2008

INDIAN POINT ENERGY CENTER
 BUCHANAN, NEW YORK
 UNIT 1 STRONTIUM PLUME
 CROSS SECTION B-B'

PROJECT NO.
17869.10
 FIGURE NO.
9.2