

REFERENCE: BASE MAP USGS 7.5 MIN. QUAD., TROY NORTH, NY, 1954, PHOTOREVISED 1980.



AREA LOCATION

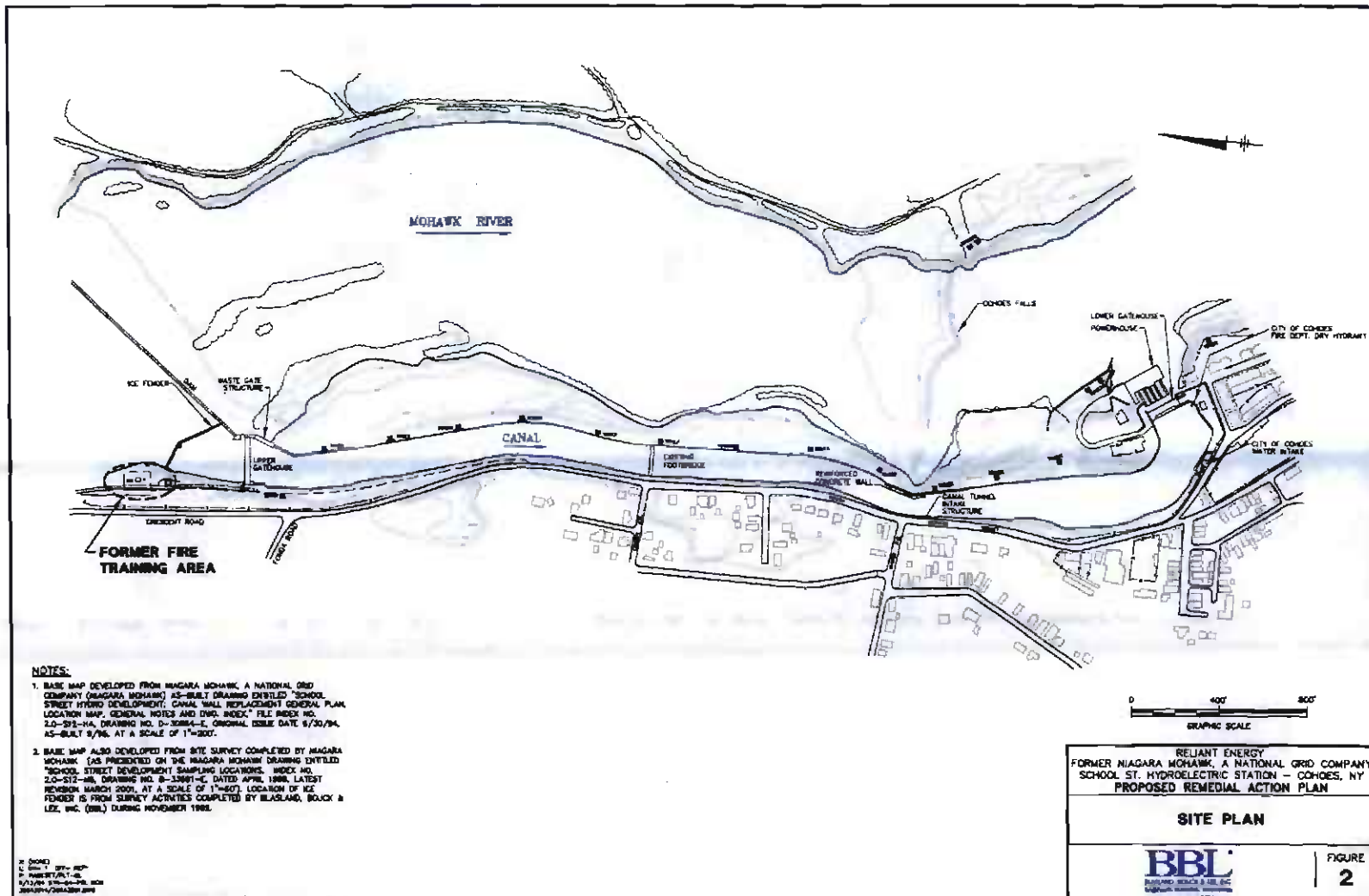
08/1004 SYR-D85-D.JH
36843014/36843r01.cdr

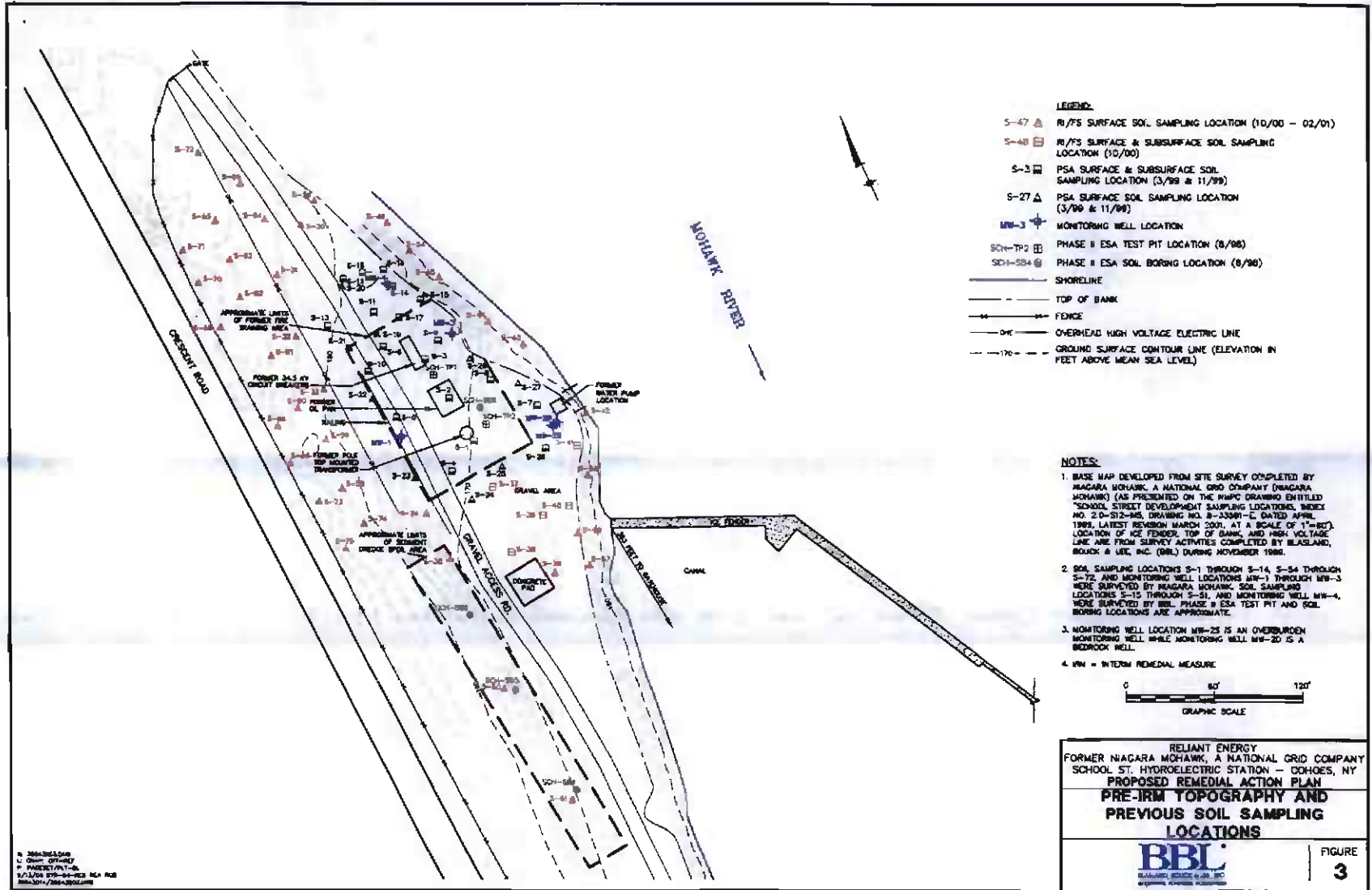
RELIANT ENERGY
FORMER NIAGARA MOHAWK, A NATIONAL GRID COMPANY
SCHOOL ST. HYDROELECTRIC STATION - COHOES, NY
PROPOSED REMEDIAL ACTION PLAN

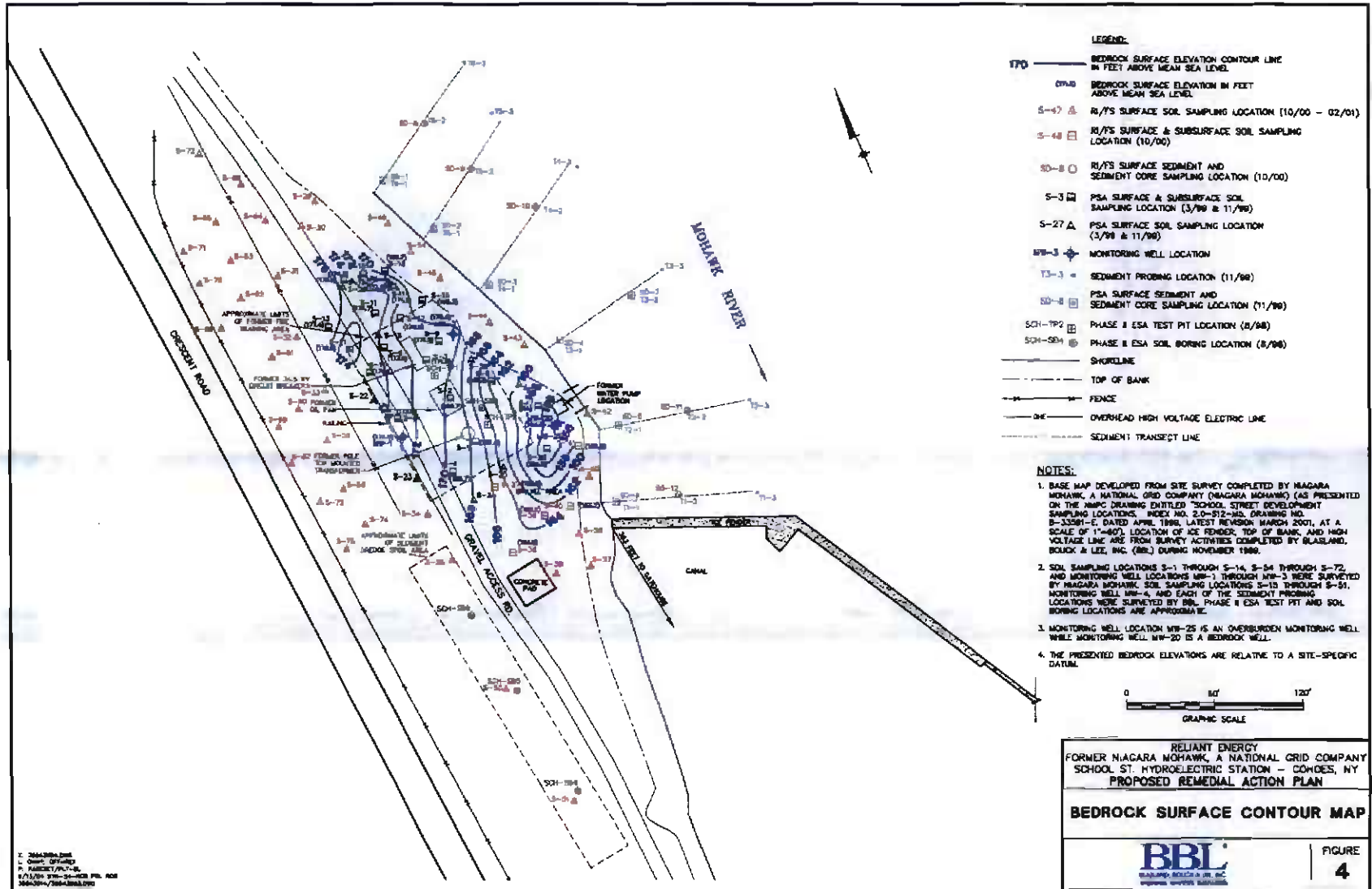
SITE LOCATION MAP

BBL
BARLAND, BOICK & LEE, INC.
engineers, scientists, architects

FIGURE
1







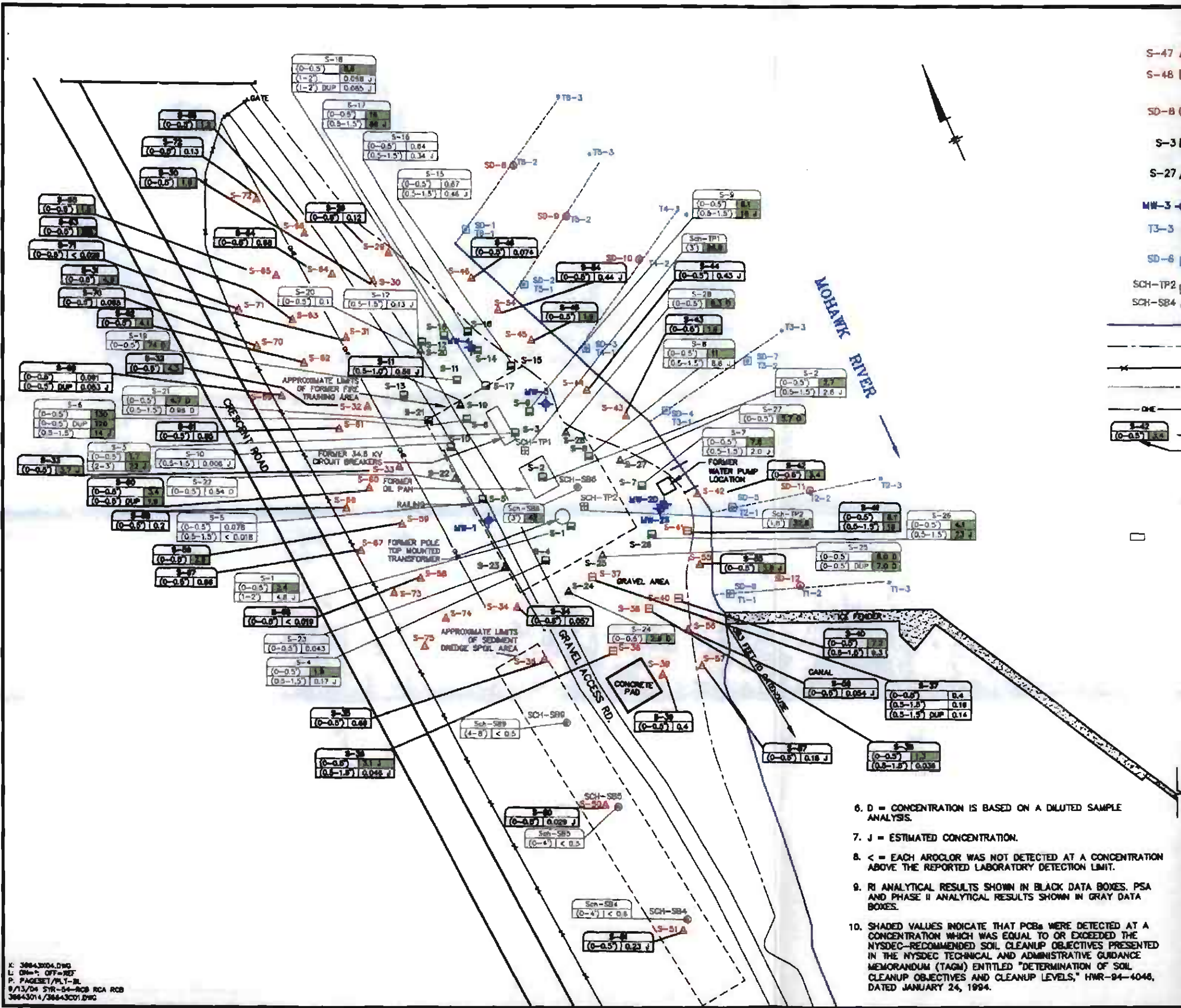
Z. SHARBA, INC.
 C. SHARBA, INC.
 P. SHARBA, INC.
 8/1/99 178-24-002 PBL R01
 25/00/00/00/00/00

RELIANT ENERGY
 FORMER NIAGARA MOHAWK A NATIONAL GRID COMPANY
 SCHOOL ST. HYDROELECTRIC STATION - CONDES, NY
 PROPOSED REMEDIAL ACTION PLAN

BEDROCK SURFACE CONTOUR MAP

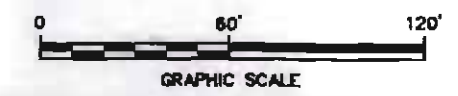


FIGURE
4



- LEGEND:**
- S-47 ▲ RI/FS SURFACE SOIL SAMPLING LOCATION (10/00 - 02/01)
 - S-48 □ RI/FS SURFACE & SUBSURFACE SOIL SAMPLING LOCATION (10/00)
 - SD-8 ○ RI/FS SURFACE SEDIMENT AND SEDIMENT CORE SAMPLING LOCATION (10/00)
 - S-3 □ PSA SURFACE & SUBSURFACE SOIL SAMPLING LOCATION (3/99 & 11/99)
 - S-27 ▲ PSA SURFACE SOIL SAMPLING LOCATION (3/99 & 11/99)
 - MW-3 ◆ MONITORING WELL LOCATION
 - T3-3 ● SEDIMENT PROBING LOCATION (11/99)
 - SD-6 □ PSA SURFACE SEDIMENT AND SEDIMENT CORE SAMPLING LOCATION (11/99)
 - SCH-TP2 □ PHASE II ESA TEST PIT LOCATION (8/98)
 - SCH-SB4 ● PHASE II ESA SOIL BORING LOCATION (8/98)
 - SHORELINE
 - - - TOP OF BANK
 - FENCE
 - - - SEDIMENT TRANSECT LINE
 - OVERHEAD HIGH VOLTAGE ELECTRIC LINE
 - ← TOTAL PCB CONCENTRATION (ppm)
 - SAMPLE DEPTH

- NOTES:**
1. BASE MAP DEVELOPED FROM SITE SURVEY COMPLETED BY NIAGARA MOHAWK, A NATIONAL GRID COMPANY (NIAGARA MOHAWK) (AS PRESENTED ON THE NIAGARA MOHAWK DRAWING ENTITLED "SCHOOL STREET DEVELOPMENT SAMPLING LOCATIONS, INDEX NO. 2.0-S12-MS, DRAWING NO. B-33591-E, DATED APRIL 1999, LATEST REVISION MARCH 2001, AT A SCALE OF 1"=60'). LOCATION OF ICE FENDER, TOP OF BANK, AND HIGH VOLTAGE LINE ARE FROM SURVEY ACTIVITIES COMPLETED BY BLASLAND, BOUCK & LEE, INC. (BBL) DURING NOVEMBER 1999.
 2. SOIL SAMPLING LOCATIONS S-1 THROUGH S-14, S-54 THROUGH S-72, AND MONITORING WELL LOCATIONS MW-1 THROUGH MW-3 WERE SURVEYED BY NIAGARA MOHAWK. SOIL SAMPLING LOCATIONS S-15 THROUGH S-51, MONITORING WELL MW-4, AND EACH OF THE SEDIMENT PROBING LOCATIONS WERE SURVEYED BY BBL. PHASE II ESA TEST PIT AND SOIL BORING LOCATIONS ARE APPROXIMATE.
 3. MONITORING WELL LOCATION MW-25 IS AN OVERBURDEN MONITORING WELL WHILE MONITORING WELL MW-20 IS A BEDROCK WELL.
 4. PCBs = POLYCHLORINATED BIPHENYLS.
 5. ALL CONCENTRATIONS ARE REPORTED IN PARTS PER MILLION (PPM).

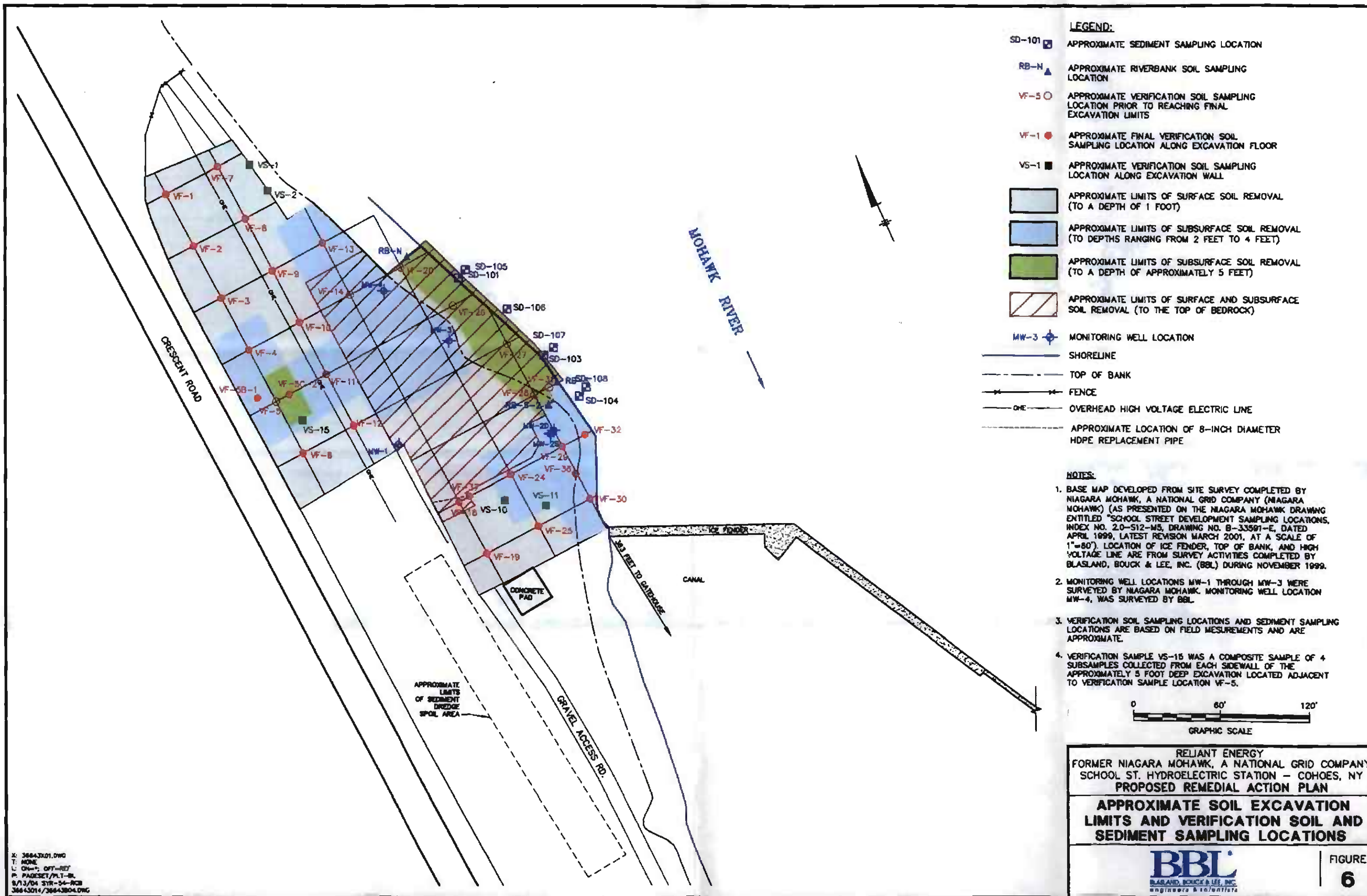


6. D = CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS.
7. J = ESTIMATED CONCENTRATION.
8. < = EACH AROCLOR WAS NOT DETECTED AT A CONCENTRATION ABOVE THE REPORTED LABORATORY DETECTION LIMIT.
9. RI ANALYTICAL RESULTS SHOWN IN BLACK DATA BOXES. PSA AND PHASE II ANALYTICAL RESULTS SHOWN IN GRAY DATA BOXES.
10. SHADED VALUES INDICATE THAT PCBs WERE DETECTED AT A CONCENTRATION WHICH WAS EQUAL TO OR EXCEEDED THE NYSDEC-RECOMMENDED SOIL CLEANUP OBJECTIVES PRESENTED IN THE NYSDEC TECHNICAL AND ADMINISTRATIVE GUIDANCE MEMORANDUM (TAGM) ENTITLED "DETERMINATION OF SOIL CLEANUP OBJECTIVES AND CLEANUP LEVELS," HWR-94-4046, DATED JANUARY 24, 1994.

RELIANT ENERGY
 FORMER NIAGARA MOHAWK, A NATIONAL GRID COMPANY
 SCHOOL ST. HYDROELECTRIC STATION - COHOES, NY
PROPOSED REMEDIAL ACTION PLAN

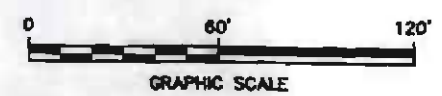
PREVIOUS SOIL SAMPLING RESULTS FOR TOTAL PCBs (ppm)





- LEGEND:**
- SD-101 APPROXIMATE SEDIMENT SAMPLING LOCATION
 - RB-N APPROXIMATE RIVERBANK SOIL SAMPLING LOCATION
 - VF-5 APPROXIMATE VERIFICATION SOIL SAMPLING LOCATION PRIOR TO REACHING FINAL EXCAVATION LIMITS
 - VF-1 APPROXIMATE FINAL VERIFICATION SOIL SAMPLING LOCATION ALONG EXCAVATION FLOOR
 - VS-1 APPROXIMATE VERIFICATION SOIL SAMPLING LOCATION ALONG EXCAVATION WALL
 - APPROXIMATE LIMITS OF SURFACE SOIL REMOVAL (TO A DEPTH OF 1 FOOT)
 - APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO DEPTHS RANGING FROM 2 FEET TO 4 FEET)
 - APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO A DEPTH OF APPROXIMATELY 5 FEET)
 - APPROXIMATE LIMITS OF SURFACE AND SUBSURFACE SOIL REMOVAL (TO THE TOP OF BEDROCK)
 - MW-3 MONITORING WELL LOCATION
 - SHORELINE
 - - - TOP OF BANK
 - +—+—+ FENCE
 - O—O—O OVERHEAD HIGH VOLTAGE ELECTRIC LINE
 - - - APPROXIMATE LOCATION OF 8-INCH DIAMETER HDPE REPLACEMENT PIPE

- NOTES:**
1. BASE MAP DEVELOPED FROM SITE SURVEY COMPLETED BY NIAGARA MOHAWK, A NATIONAL GRID COMPANY (NIAGARA MOHAWK) (AS PRESENTED ON THE NIAGARA MOHAWK DRAWING ENTITLED "SCHOOL STREET DEVELOPMENT SAMPLING LOCATIONS, INDEX NO. 2.0-S12-M5, DRAWING NO. B-33591-E, DATED APRIL 1999, LATEST REVISION MARCH 2001, AT A SCALE OF 1"=80'). LOCATION OF ICE FENDER, TOP OF BANK, AND HIGH VOLTAGE LINE ARE FROM SURVEY ACTIVITIES COMPLETED BY BLASLAND, BOUCK & LEE, INC. (BBL) DURING NOVEMBER 1999.
 2. MONITORING WELL LOCATIONS MW-1 THROUGH MW-3 WERE SURVEYED BY NIAGARA MOHAWK. MONITORING WELL LOCATION MW-4, WAS SURVEYED BY BBL.
 3. VERIFICATION SOIL SAMPLING LOCATIONS AND SEDIMENT SAMPLING LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE.
 4. VERIFICATION SAMPLE VS-15 WAS A COMPOSITE SAMPLE OF 4 SUBSAMPLES COLLECTED FROM EACH SIDEWALL OF THE APPROXIMATELY 5 FOOT DEEP EXCAVATION LOCATED ADJACENT TO VERIFICATION SAMPLE LOCATION VF-5.



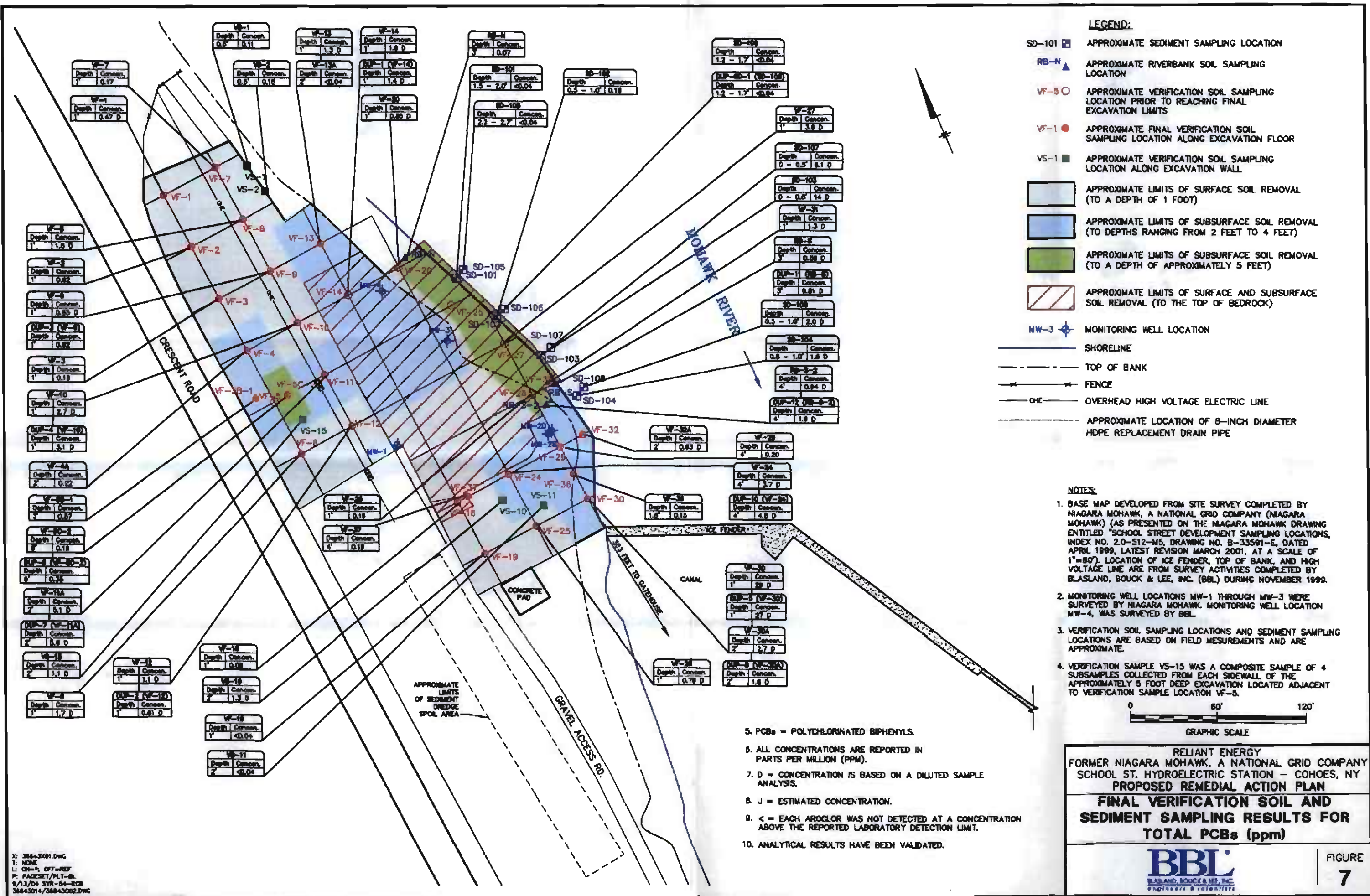
RELIANT ENERGY
FORMER NIAGARA MOHAWK, A NATIONAL GRID COMPANY
SCHOOL ST. HYDROELECTRIC STATION - COHOES, NY
PROPOSED REMEDIAL ACTION PLAN

**APPROXIMATE SOIL EXCAVATION
LIMITS AND VERIFICATION SOIL AND
SEDIMENT SAMPLING LOCATIONS**

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

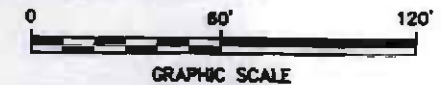
FIGURE
6

X: 36643X01.DWG
T: NONE
L: ON=, OFF=RET
P: PAGESET/PLT-BL
8/13/04 3:18:34 PM
36643014/36643004.DWG



- LEGEND:**
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 - RB-N APPROXIMATE RIVERBANK SOIL SAMPLING LOCATION
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 - APPROXIMATE LIMITS OF SURFACE SOIL REMOVAL (TO A DEPTH OF 1 FOOT)
 - APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO DEPTHS RANGING FROM 2 FEET TO 4 FEET)
 - APPROXIMATE LIMITS OF SUBSURFACE SOIL REMOVAL (TO A DEPTH OF APPROXIMATELY 5 FEET)
 - APPROXIMATE LIMITS OF SURFACE AND SUBSURFACE SOIL REMOVAL (TO THE TOP OF BEDROCK)
 - MW-3 MONITORING WELL LOCATION
 - SHORELINE
 - - - TOP OF BANK
 - FENCE
 - OHC — OVERHEAD HIGH VOLTAGE ELECTRIC LINE
 - - - APPROXIMATE LOCATION OF 8-INCH DIAMETER HDPE REPLACEMENT DRAIN PIPE

- NOTES:**
1. BASE MAP DEVELOPED FROM SITE SURVEY COMPLETED BY NIAGARA MOHAWK, A NATIONAL GRID COMPANY (NIAGARA MOHAWK) (AS PRESENTED ON THE NIAGARA MOHAWK DRAWING ENTITLED "SCHOOL STREET DEVELOPMENT SAMPLING LOCATIONS, INDEX NO. 2.0-S12-M5, DRAWING NO. B-33591-E, DATED APRIL 1999, LATEST REVISION MARCH 2001, AT A SCALE OF 1"=80'). LOCATION OF ICE FENDER, TOP OF BANK, AND HIGH VOLTAGE LINE ARE FROM SURVEY ACTIVITIES COMPLETED BY BLASLAND, BOUCK & LEE, INC. (BBL) DURING NOVEMBER 1999.
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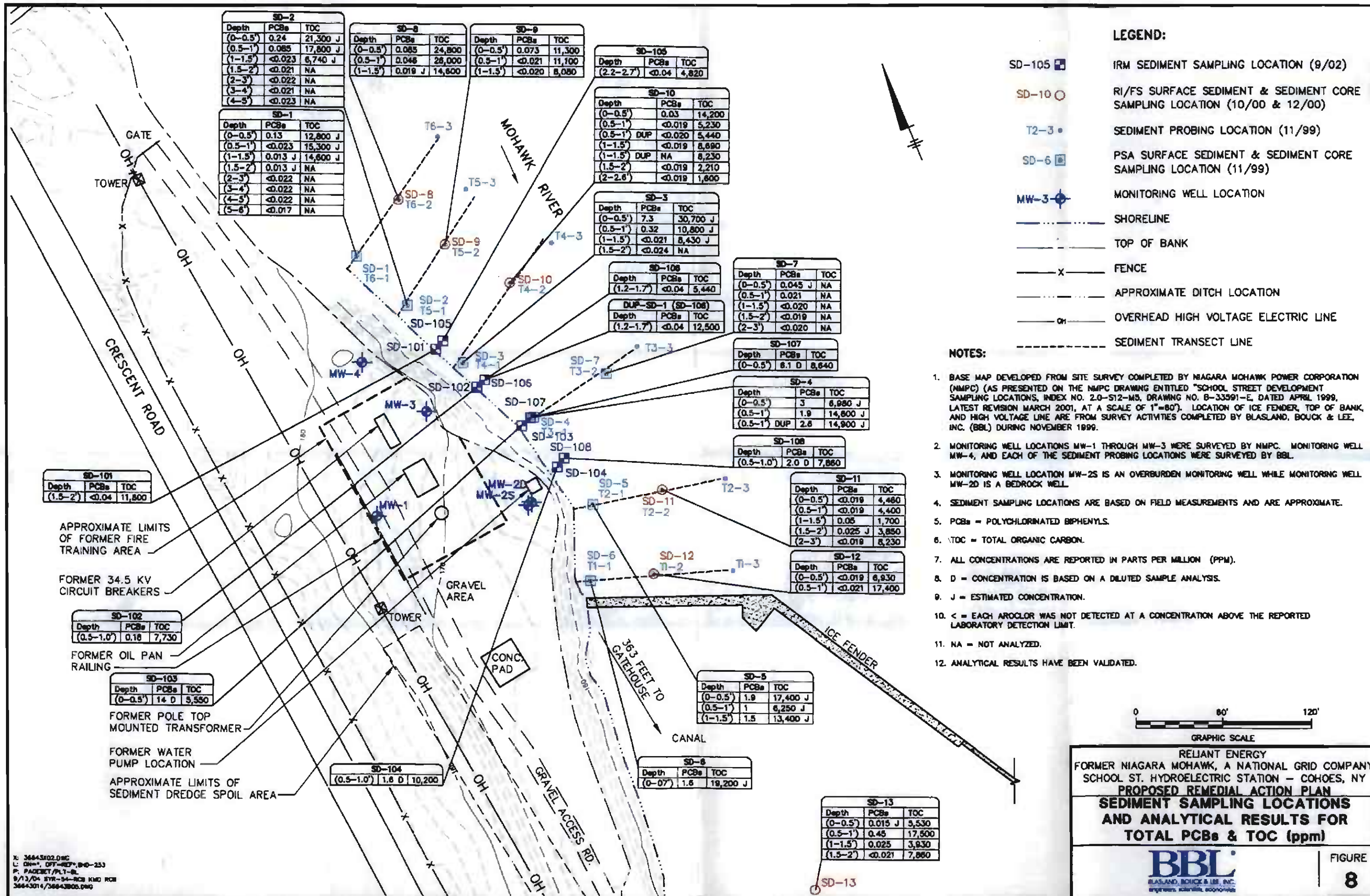


5. PCBs = POLYCHLORINATED BIPHENYLS.
6. ALL CONCENTRATIONS ARE REPORTED IN PARTS PER MILLION (PPM).
7. D = CONCENTRATION IS BASED ON A DILUTED SAMPLE ANALYSIS.
8. J = ESTIMATED CONCENTRATION.
9. < = EACH AROCLOR WAS NOT DETECTED AT A CONCENTRATION ABOVE THE REPORTED LABORATORY DETECTION LIMIT.
10. ANALYTICAL RESULTS HAVE BEEN VALIDATED.

RELIANT ENERGY
FORMER NIAGARA MOHAWK, A NATIONAL GRID COMPANY
SCHOOL ST. HYDROELECTRIC STATION - COHOES, NY
PROPOSED REMEDIAL ACTION PLAN
**FINAL VERIFICATION SOIL AND
SEDIMENT SAMPLING RESULTS FOR
TOTAL PCBs (ppm)**



X: 3864.3001.DWG
T: NONE
L: 09-1, OFF-NEE
P: PAGES/PLT-BL
9/13/04 SVR-84-RCB
3864.3014/3864.3002.DWG



Depth	PCBs	TOC
(0-0.5')	0.24	21,300 J
(0.5-1')	0.085	17,800 J
(1-1.5')	<0.023	6,740 J
(1.5-2')	<0.021	NA
(2-3')	<0.022	NA
(3-4')	<0.021	NA
(4-5')	<0.023	NA

Depth	PCBs	TOC
(0-0.5')	0.13	12,800 J
(0.5-1')	<0.023	15,300 J
(1-1.5')	0.013 J	14,600 J
(1.5-2')	0.013 J	NA
(2-3')	<0.022	NA
(3-4')	<0.022	NA
(4-5')	<0.022	NA
(5-6')	<0.017	NA

Depth	PCBs	TOC
(0-0.5')	0.085	24,800
(0.5-1')	0.048	26,000
(1-1.5')	0.019 J	14,600

Depth	PCBs	TOC
(0-0.5')	0.073	11,300
(0.5-1')	<0.021	11,100
(1-1.5')	<0.020	8,080

Depth	PCBs	TOC
(2.2-2.7')	<0.04	4,820

Depth	PCBs	TOC
(0-0.5')	0.03	14,200
(0.5-1')	<0.019	5,230
(0.5-1')	DUP <0.020	5,440
(1-1.5')	<0.019	8,690
(1-1.5')	DUP NA	8,230
(1.5-2')	<0.019	2,210
(2-2.6')	<0.019	1,800

Depth	PCBs	TOC
(0-0.5')	7.3	30,700 J
(0.5-1')	0.32	10,800 J
(1-1.5')	<0.021	8,430 J
(1.5-2')	<0.024	NA

Depth	PCBs	TOC
(1.2-1.7')	<0.04	5,440

Depth	PCBs	TOC
(1.2-1.7')	<0.04	12,500

Depth	PCBs	TOC
(0-0.5')	0.045 J	NA
(0.5-1')	0.021	NA
(1-1.5')	<0.020	NA
(1.5-2')	<0.019	NA
(2-3')	<0.020	NA

Depth	PCBs	TOC
(0-0.5')	8.1 D	8,640

Depth	PCBs	TOC
(0-0.5')	3	6,980 J
(0.5-1')	1.9	14,800 J
(0.5-1')	DUP 2.6	14,900 J

Depth	PCBs	TOC
(0.5-1.0')	2.0 D	7,860

Depth	PCBs	TOC
(0-0.5')	<0.019	4,480
(0.5-1')	<0.019	4,400
(1-1.5')	0.08	1,700
(1.5-2')	0.025 J	3,850
(2-3')	<0.019	8,230

Depth	PCBs	TOC
(0-0.5')	<0.019	6,930
(0.5-1')	<0.021	17,400

Depth	PCBs	TOC
(0-0.5')	1.9	17,400 J
(0.5-1')	1	6,250 J
(1-1.5')	1.5	13,400 J

Depth	PCBs	TOC
(0-0.7')	1.6	19,200 J

Depth	PCBs	TOC
(0-0.5')	0.015 J	5,530
(0.5-1')	0.45	17,500
(1-1.5')	0.025	3,930
(1.5-2')	<0.021	7,860

Depth	PCBs	TOC
(1.5-2')	<0.04	11,800

Depth	PCBs	TOC
(0.5-1.0')	0.16	7,730

Depth	PCBs	TOC
(0-0.5')	14 D	5,550

Depth	PCBs	TOC
(0.5-1.0')	1.6 D	10,200

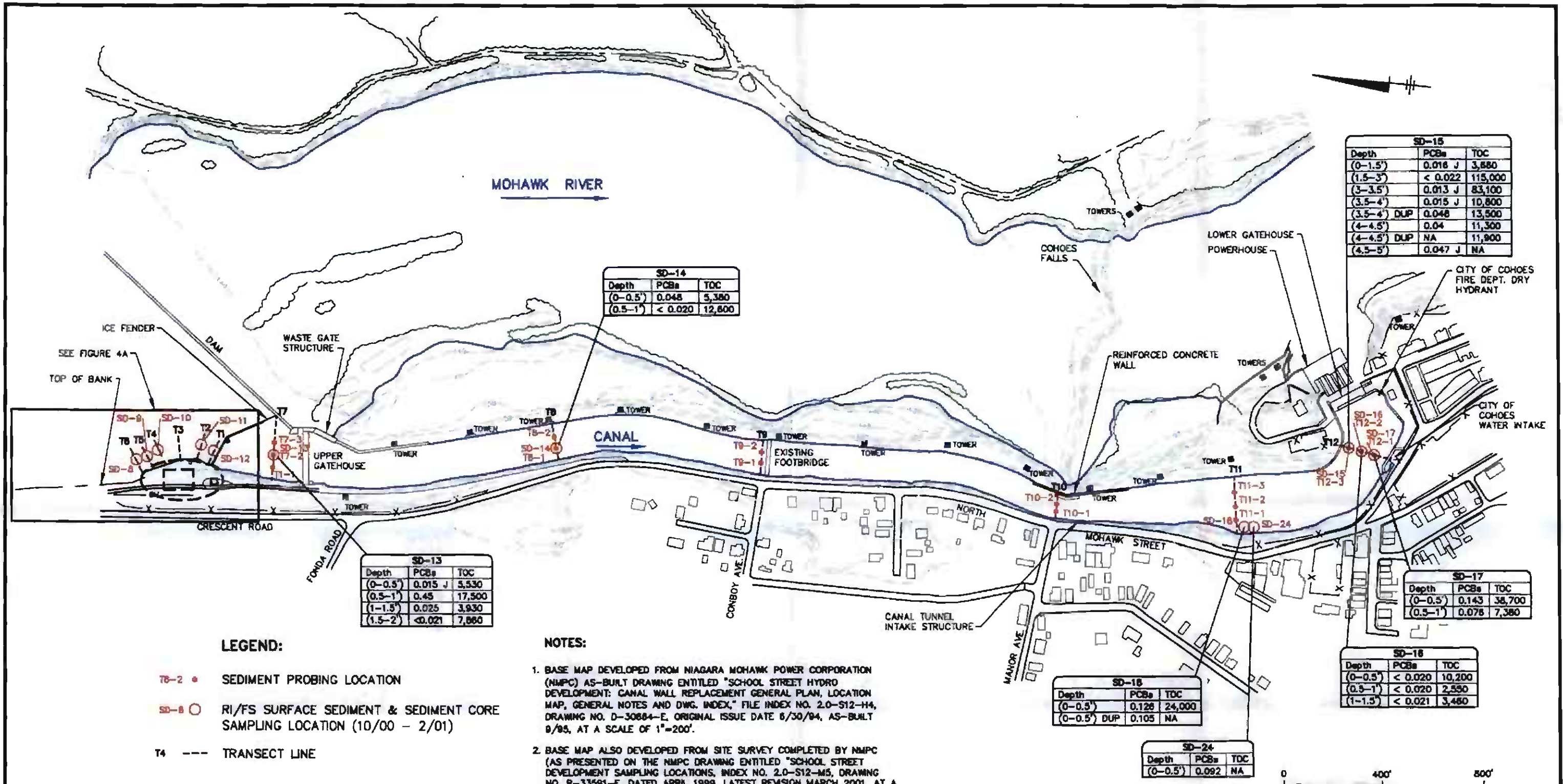


RELIANT ENERGY
FORMER NIAGARA MOHAWK, A NATIONAL GRID COMPANY
SCHOOL ST. HYDROELECTRIC STATION - COHOES, NY
PROPOSED REMEDIAL ACTION PLAN
SEDIMENT SAMPLING LOCATIONS
AND ANALYTICAL RESULTS FOR
TOTAL PCBs & TOC (ppm)

BBL
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, geologists

FIGURE
8

N: 36643102.DWG
L: DWG, OFF-REP, BND-253
P: PAGERET/PLT-BL
9/13/04 BY: RCB KMD RCB
366431014/36643102.DWG



SD-15		
Depth	PCBs	TOC
(0-1.5')	0.016 J	3,880
(1.5-3')	< 0.022	115,000
(3-3.5')	0.013 J	83,100
(3.5-4')	0.015 J	10,800
(3.5-4')	DUP 0.048	13,500
(4-4.5')	0.04	11,300
(4-4.5')	DUP NA	11,900
(4.5-5')	0.047 J	NA

SD-14		
Depth	PCBs	TOC
(0-0.5')	0.048	5,380
(0.5-1')	< 0.020	12,800

SD-13		
Depth	PCBs	TOC
(0-0.5')	0.015 J	5,530
(0.5-1')	0.45	17,500
(1-1.5')	0.025	3,930
(1.5-2')	< 0.021	7,860

SD-17		
Depth	PCBs	TOC
(0-0.5')	0.143	38,700
(0.5-1')	0.078	7,380

SD-18		
Depth	PCBs	TOC
(0-0.5')	0.128	24,000
(0-0.5')	DUP 0.105	NA

SD-16		
Depth	PCBs	TOC
(0-0.5')	< 0.020	10,200
(0.5-1')	< 0.020	2,550
(1-1.5')	< 0.021	3,460

SD-24		
Depth	PCBs	TOC
(0-0.5')	0.092	NA

- LEGEND:**
- TB-2 • SEDIMENT PROBING LOCATION
 - SD-8 ○ RI/FS SURFACE SEDIMENT & SEDIMENT CORE SAMPLING LOCATION (10/00 - 2/01)
 - T4 --- TRANSECT LINE

- NOTES:**
- BASE MAP DEVELOPED FROM NIAGARA MOHAWK POWER CORPORATION (NMPC) AS-BUILT DRAWING ENTITLED "SCHOOL STREET HYDRO DEVELOPMENT: CANAL WALL REPLACEMENT GENERAL PLAN, LOCATION MAP, GENERAL NOTES AND DWG. INDEX," FILE INDEX NO. 2.0-S12-H4, DRAWING NO. D-30684-E, ORIGINAL ISSUE DATE 8/30/94, AS-BUILT 9/95, AT A SCALE OF 1"=200'.
 - BASE MAP ALSO DEVELOPED FROM SITE SURVEY COMPLETED BY NMPC (AS PRESENTED ON THE NMPC DRAWING ENTITLED "SCHOOL STREET DEVELOPMENT SAMPLING LOCATIONS, INDEX NO. 2.0-S12-M5, DRAWING NO. B-33591-E, DATED APRIL 1999, LATEST REVISION MARCH 2001, AT A SCALE OF 1"=60'). LOCATION OF ICE FENDER IS FROM SURVEY ACTIVITIES COMPLETED BY BLASLAND, BOUCK & LEE, INC. (BBL) DURING NOVEMBER, 1999.
 - TRANSECT LOCATIONS T1 THROUGH T7 WERE SURVEYED BY BBL. TRANSECT LOCATIONS T8 THROUGH T12 WERE POSITIONED RELATIVE TO EXISTING SITE FEATURES, AS SHOWN.
 - PCBs = POLYCHLORINATED BIPHENYLS.
 - TOC = TOTAL ORGANIC CARBON.
 - ALL CONCENTRATIONS ARE REPORTED IN PARTS PER MILLION (ppm).
 - < = EACH AROCLOR WAS NOT DETECTED AT A CONCENTRATION ABOVE THE REPORTED LABORATORY DETECTION LIMIT.
 - NA = NOT ANALYZED.
 - J = ESTIMATED CONCENTRATION.

RELIANT ENERGY
 FORMER NIAGARA MOHAWK, A NATIONAL GRID COMPANY
 SCHOOL ST. HYDROELECTRIC STATION - COHOES, NY
PROPOSED REMEDIAL ACTION PLAN
SEDIMENT SAMPLING LOCATIONS AND
ANALYTICAL RESULTS FOR TOTAL
PCBs & TOC (ppm)



X: NONE
 P: PAGES/PLT-BL
 9/13/04 BYR-54-POL KMD ROB
 36843014/36843008.DWG

