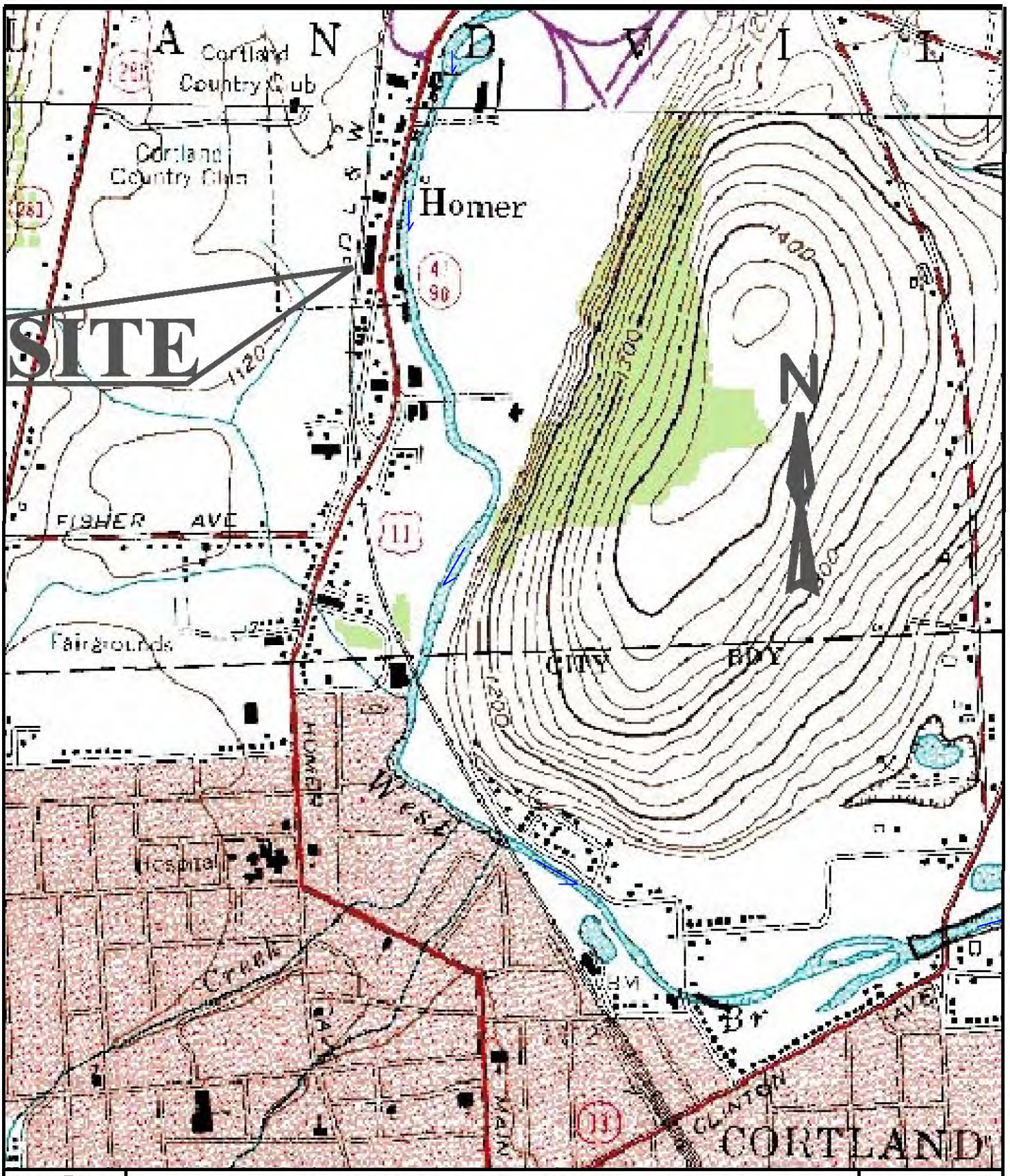
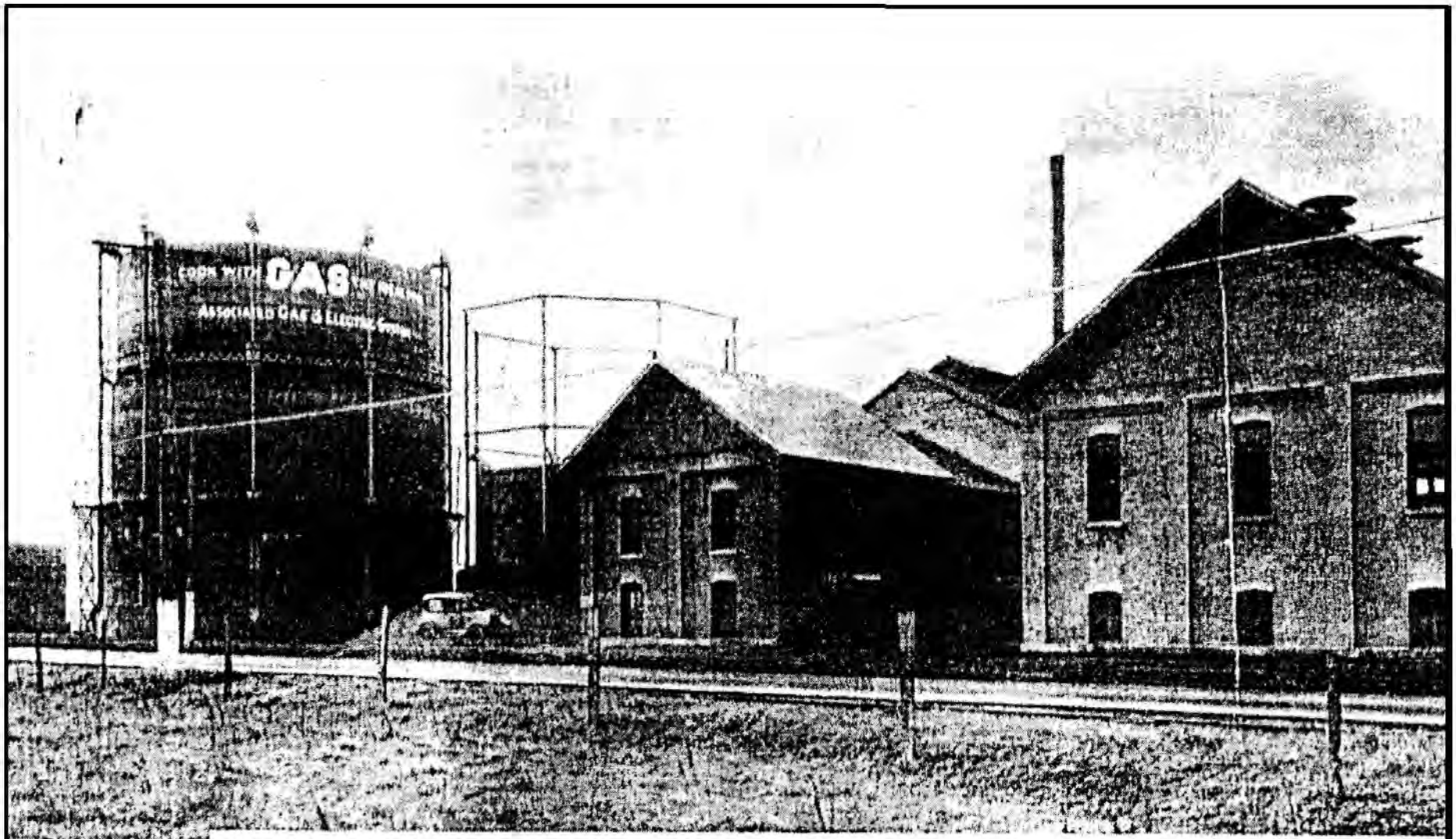


NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK

SITE LOCATION

FIGURE 1



CORTLAND PLANT OF THE ASSOCIATED GAS AND ELECTRIC SYSTEM FURNISHING GAS IN AMPLE QUANTITIES FOR THE PRESENT AND FUTURE NEEDS OF CORTLAND AND HOMER

NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK

HISTORIC SITE PHOTO, CIRCA 1920s

FIGURE 2

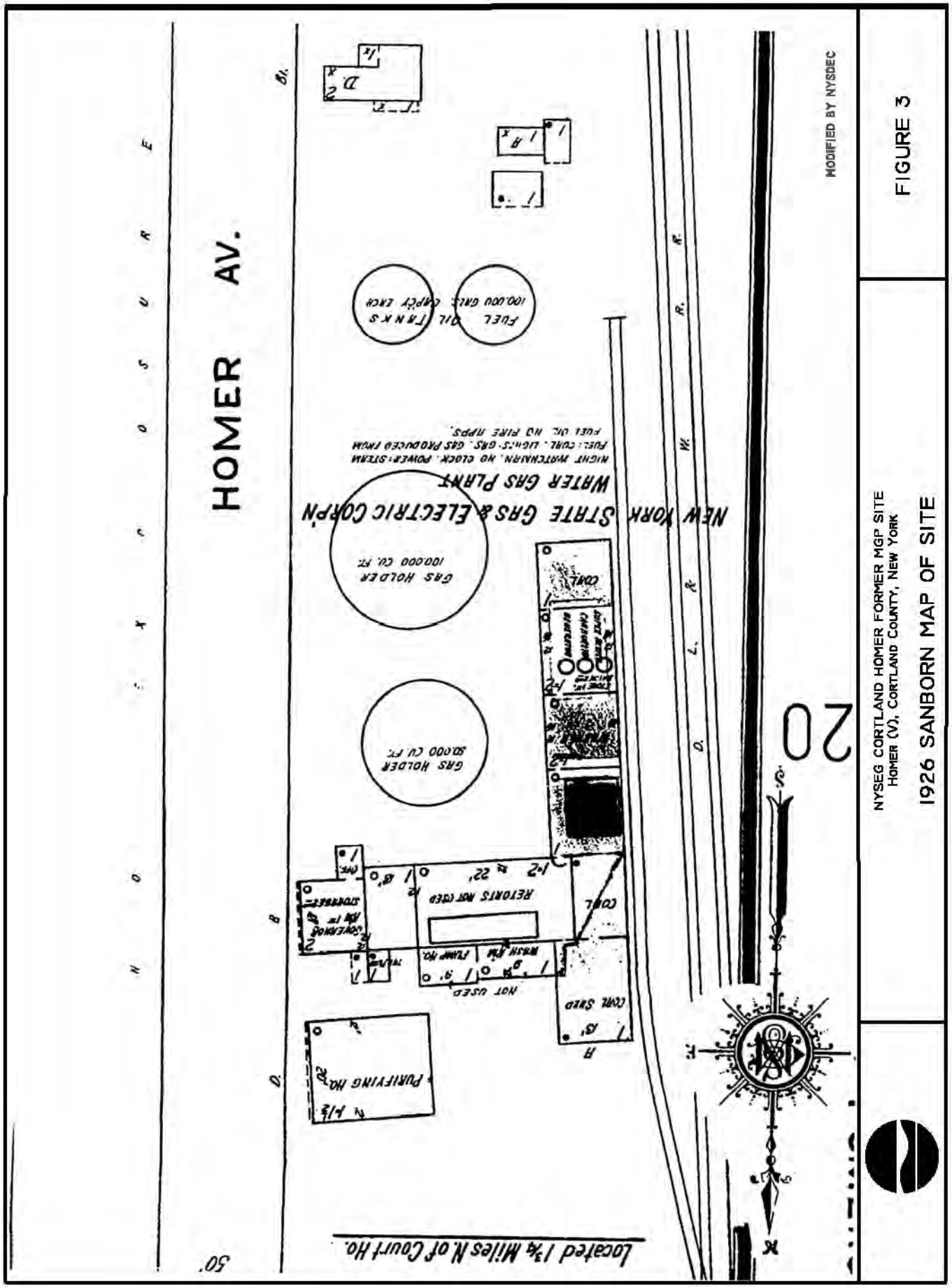


FIGURE 3

NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK

1926 SANBORN MAP OF SITE

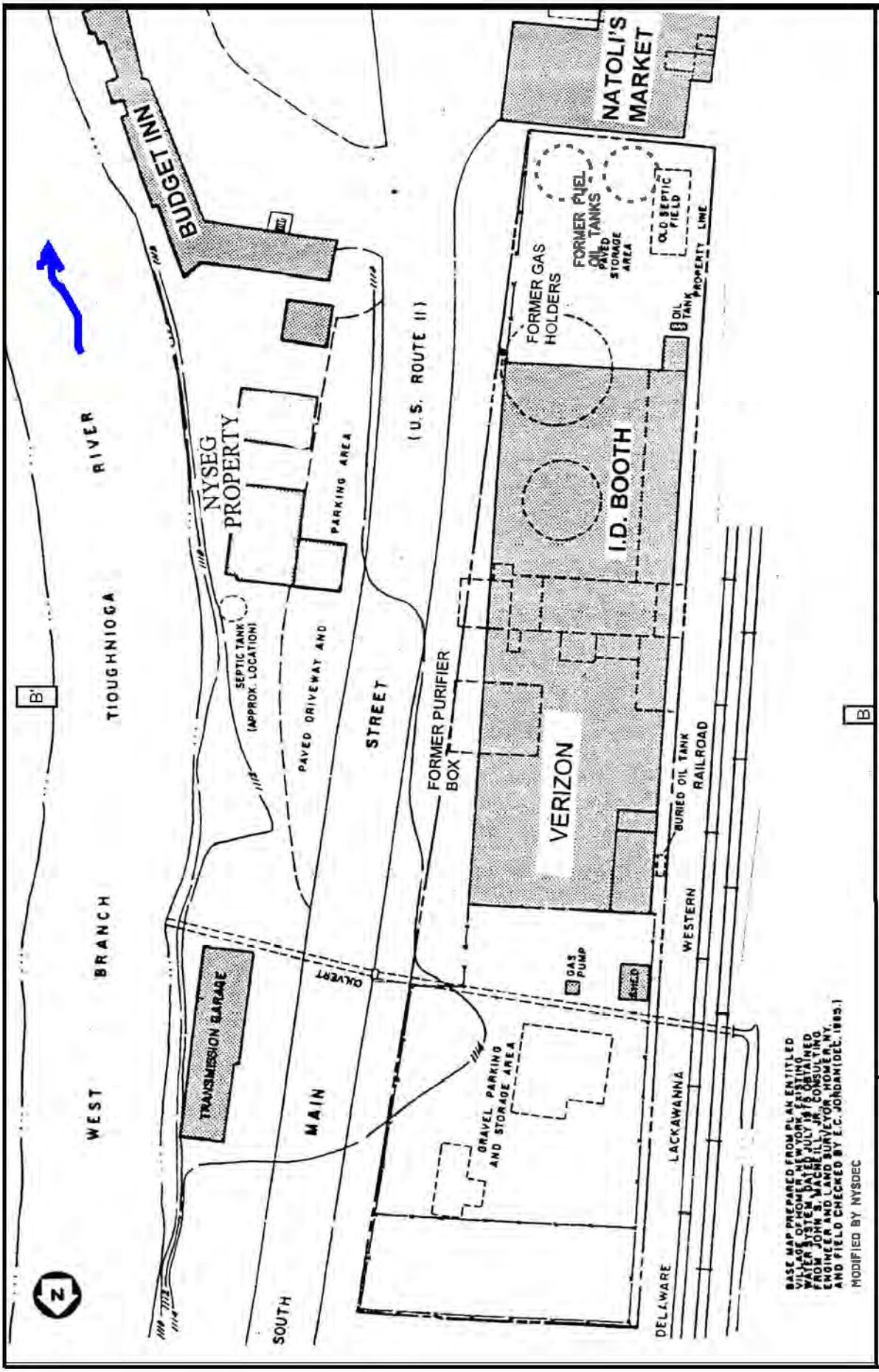


FIGURE 4

NYSEG PLATTSBURGH BRIDGE STREET FORMER MGP SITE
PLATTSBURGH, CLINTON COUNTY, NEW YORK

HISTORIC/CURRENT USE OVERLAY

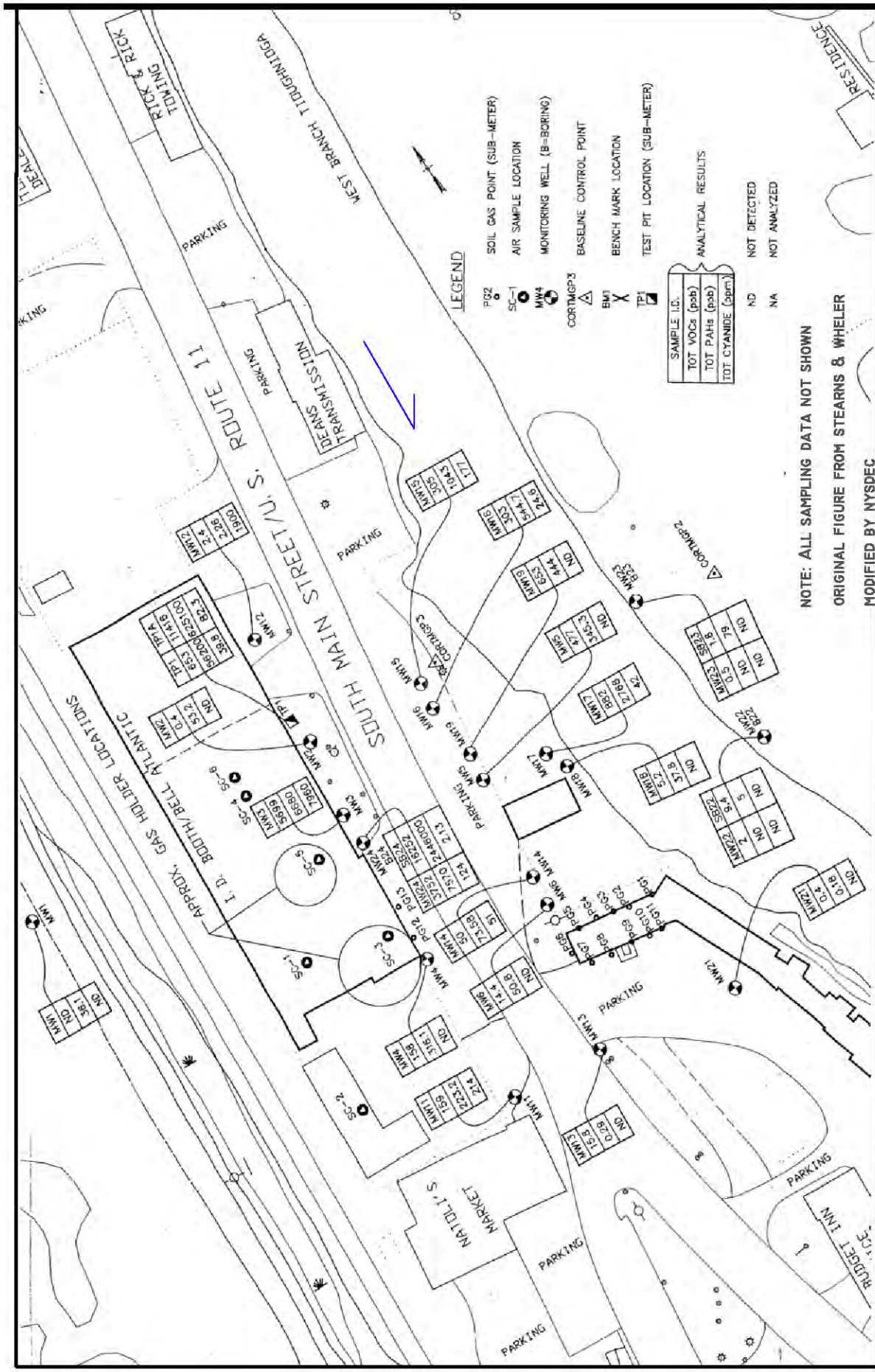
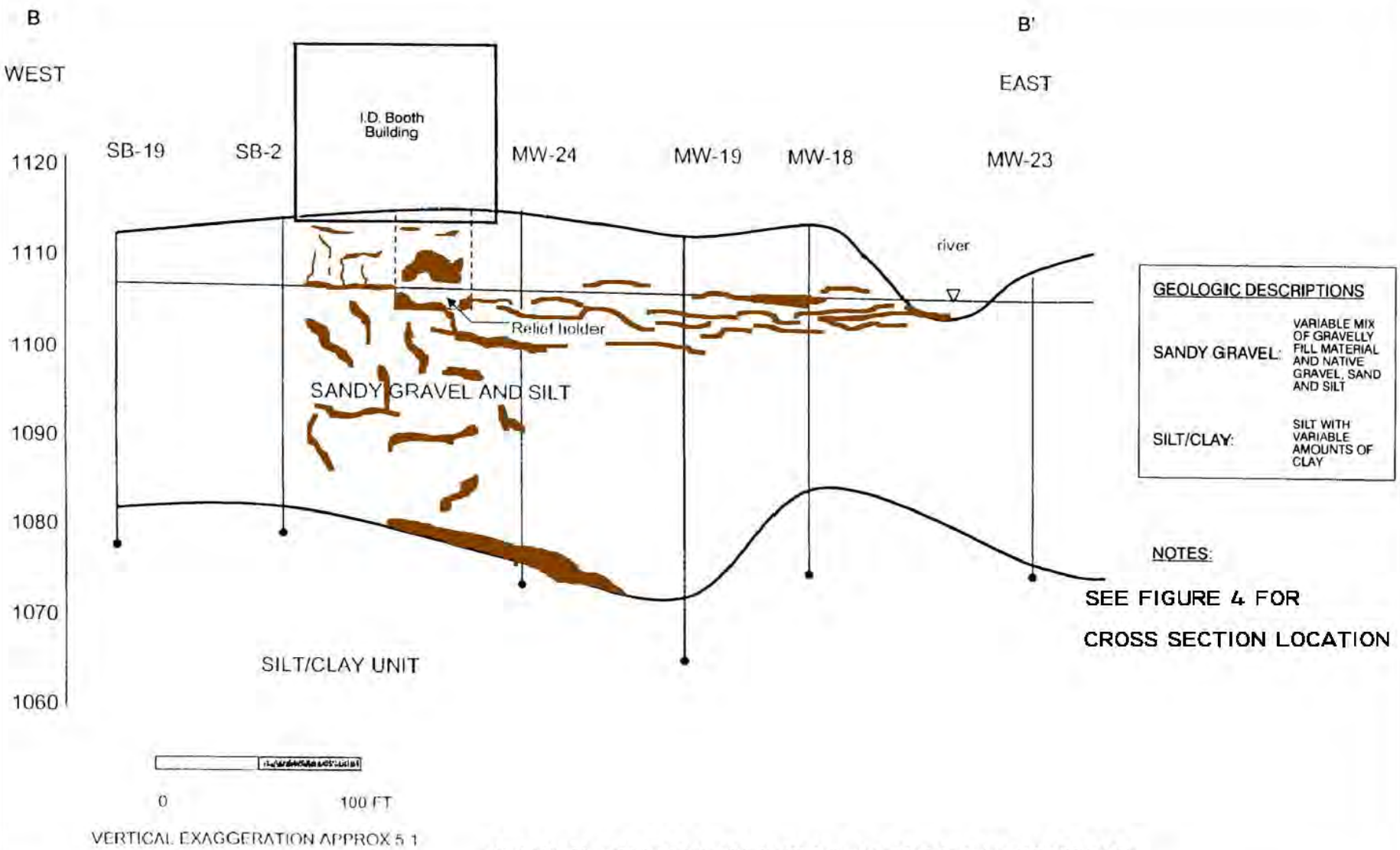


FIGURE 5

NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK

SUMMARY OF SAMPLING LOCATIONS - PHASE I RI

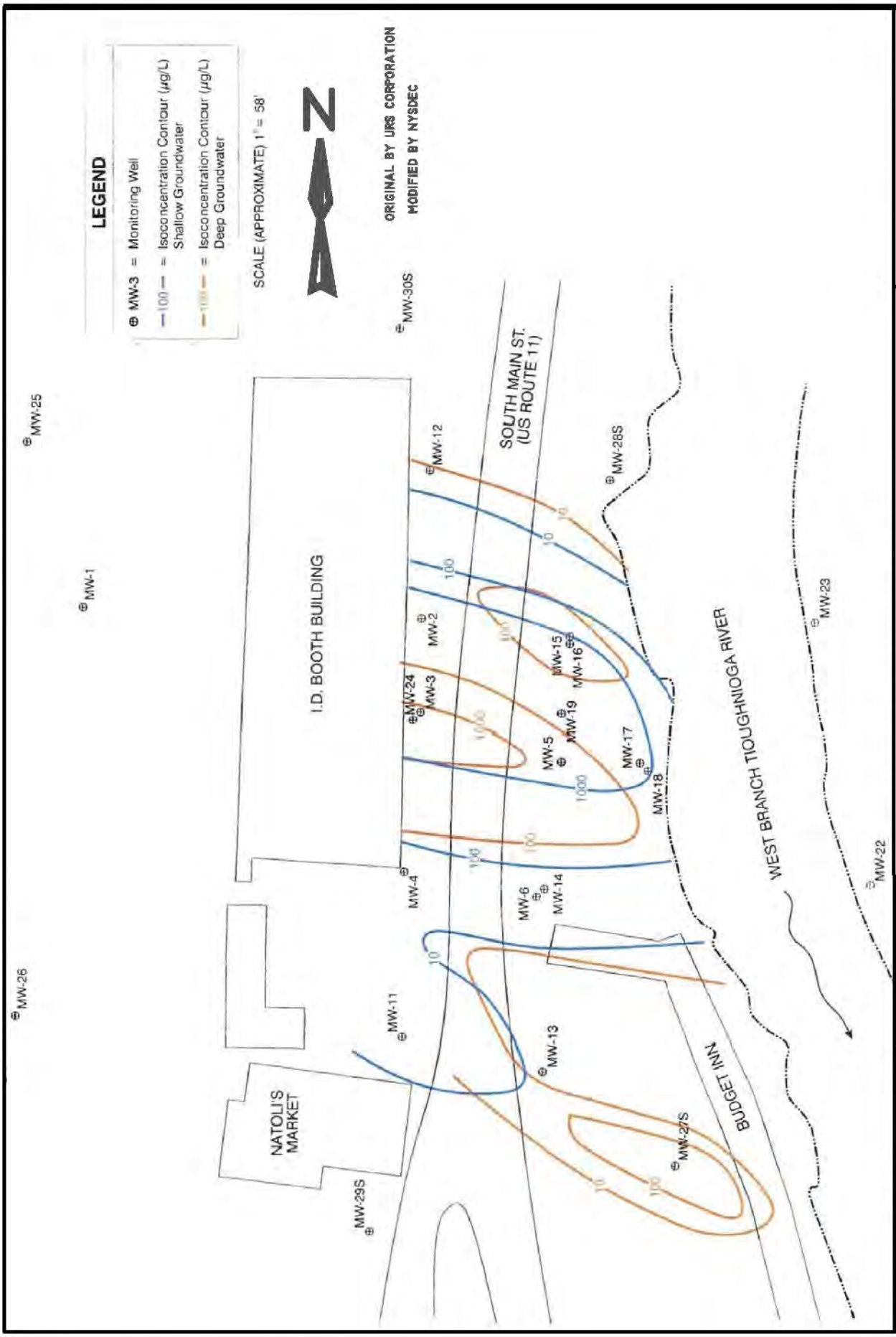


ORIGINAL BY STEARNS & WHELER, MODIFIED BY NYSDEC

NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK

CROSS SECTION B-B'

FIGURE 6



NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK

EXTENT OF GROUNDWATER CONTAMINATION

FIGURE 7

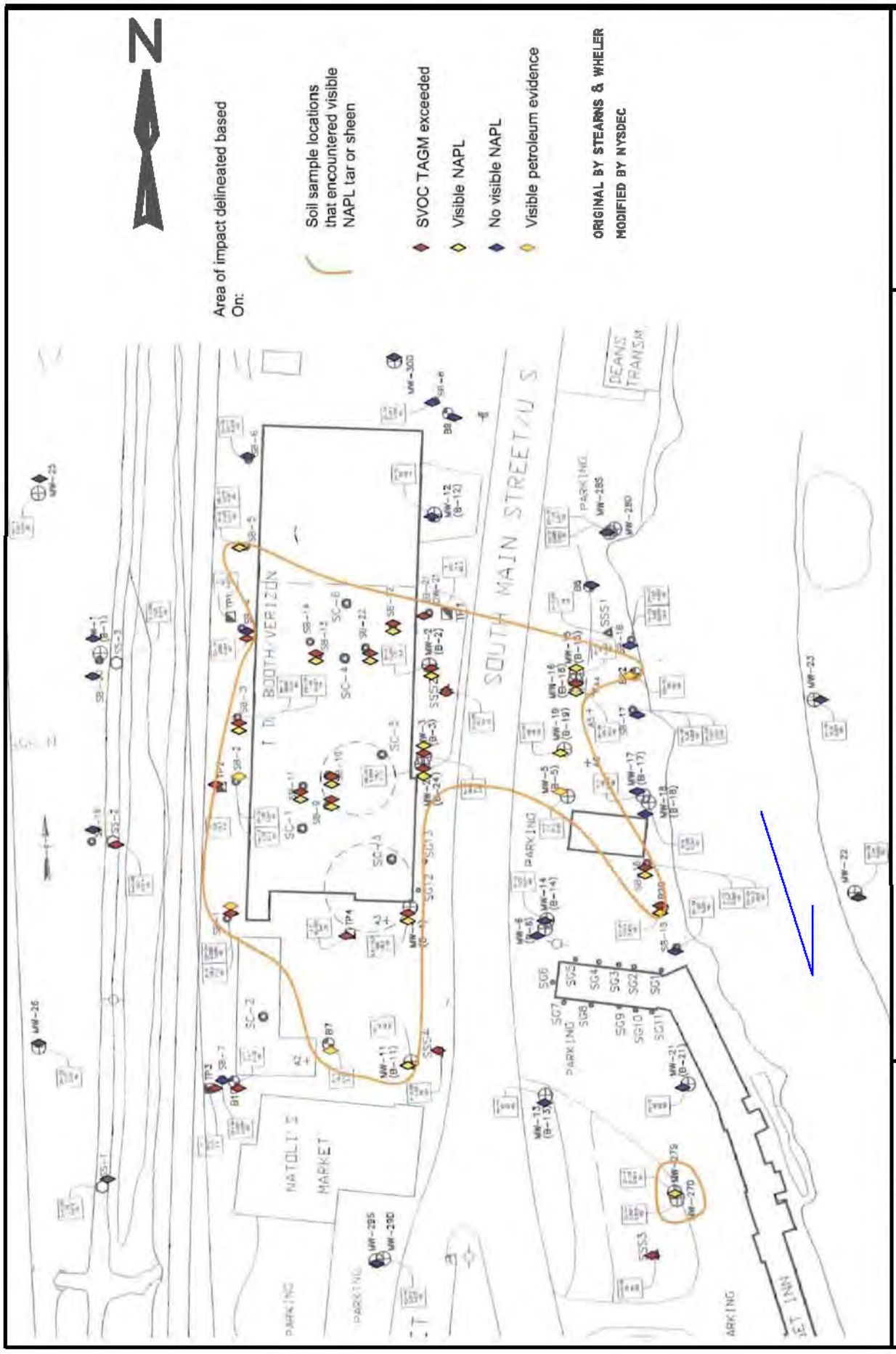
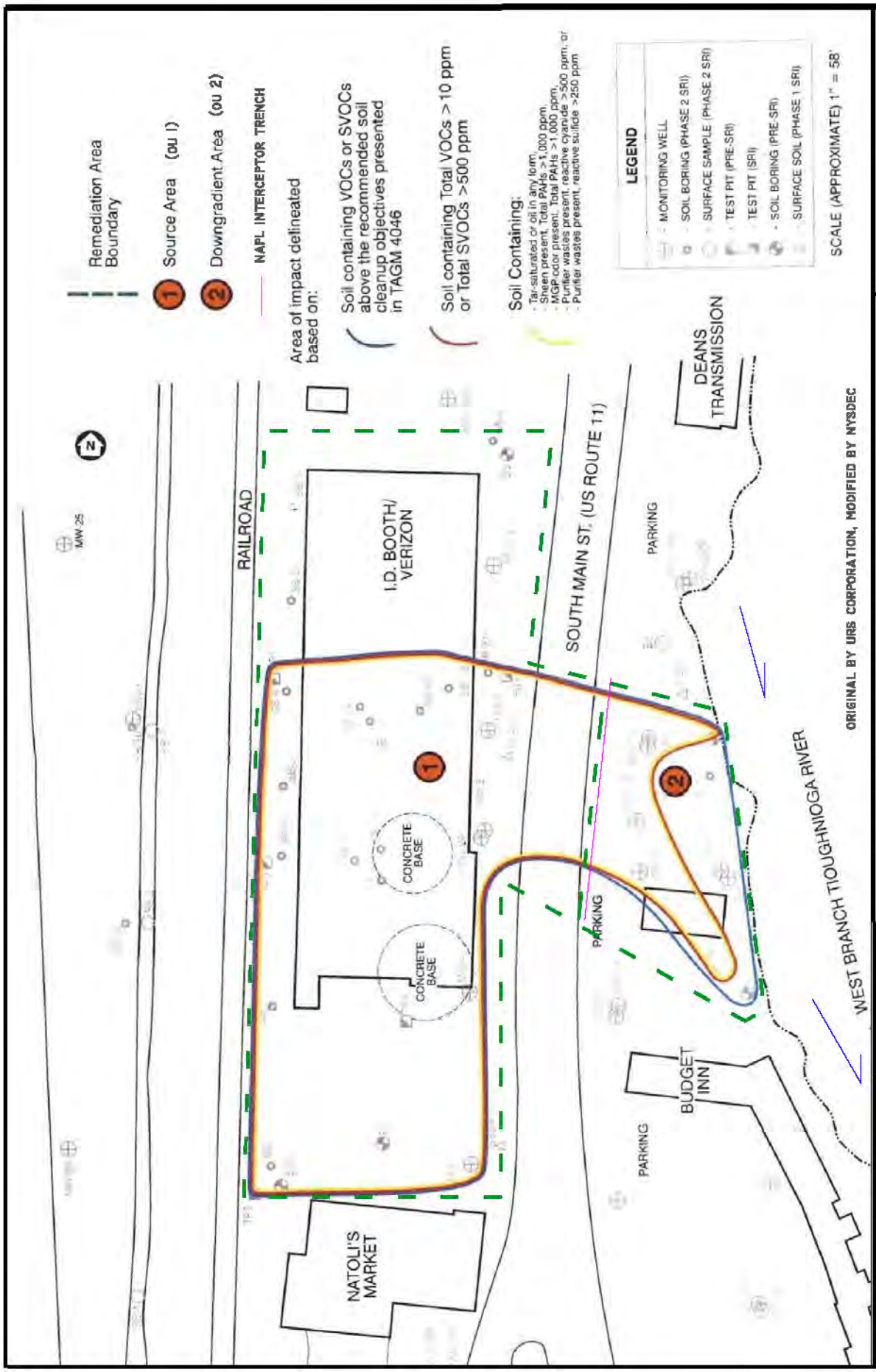
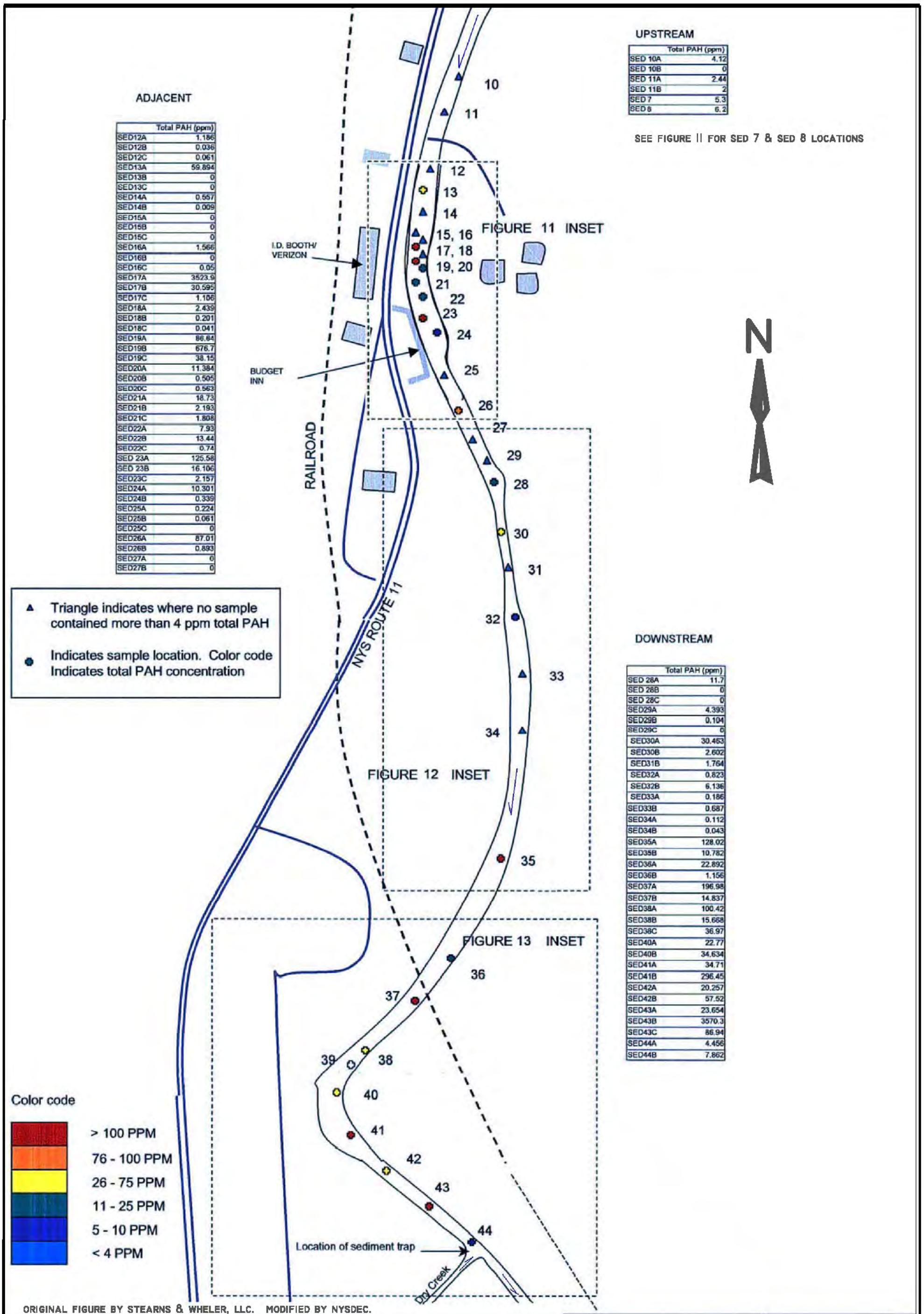

N
Area of impact delineated based On:
Soil sample locations that encountered visible NAPL tar or sheen
SVOC TAGM exceeded
Visible NAPL
No visible NAPL
Visible petroleum evidence
ORIGINAL BY STEARNS & WHELER
MODIFIED BY NYSDEC
SOUTH MAIN STREET
T D BOOTH VERIZON
NATOLI'S MARKET
DEANS TRANSM
PARKING
NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK
EXTENT OF SOIL CONTAMINATION

FIGURE 8


Remediation Area Boundary
Source Area (ou 1)
Downgradient Area (ou 2)
NAPL INTERCEPTOR TRENCH
Area of impact delineated based on:
Soil containing VOCs or SVOCs above the recommended soil cleanup objectives presented in TAGM 4046
Soil containing Total VOCs >10 ppm or Total SVOCs >500 ppm
Soil Containing:
- Tar-saturated or oil in any form,
- Sheen present, Total PAHs >1,000 ppm,
- MGP-odor present, Total PAHs >1,000 ppm,
- Purifier wastes present, reactive cyanide >500 ppm, or
- Purifier wastes present, reactive sulfide >250 ppm
LEGEND
- MONITORING WELL
- SOIL BORING (PHASE 2 SRI)
- SURFACE SAMPLE (PHASE 2 SRI)
- TEST PIT (PRE-SRI)
- TEST PIT (SRI)
- SOIL BORING (PRE-SRI)
- SURFACE SOIL (PHASE 1 SRI)
SCALE (APPROXIMATE) 1" = 58'
N
MW-25
RAILROAD
I.D. BOOTH/ VERIZON
CONCRETE BASE
CONCRETE BASE
SOUTH MAIN ST. (US ROUTE 11)
PARKING
PARKING
PARKING
DEANS TRANSMISSION
BUDGET INN
NATOLI'S MARKET
WEST BRANCH TIOUGHNIOGA RIVER
ORIGINAL BY URS CORPORATION, MODIFIED BY NYSDEC
NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK
EXTENT OF OPERABLE UNITS
FIGURE 9



	Total PAH (ppm)
SED12A	1.186
SED12B	0.036
SED12C	0.061
SED13A	59.894
SED13B	0
SED13C	0
SED14A	0.557
SED14B	0.009
SED15A	0
SED15B	0
SED15C	0
SED16A	1.566
SED16B	0
SED16C	0.05
SED17A	3523.9
SED17B	30.595
SED17C	1.106
SED18A	2.439
SED18B	0.201
SED18C	0.041
SED19A	86.64
SED19B	676.7
SED19C	38.15
SED20A	11.384
SED20B	0.505
SED20C	0.563
SED21A	18.73
SED21B	2.193
SED21C	1.808
SED22A	7.93
SED22B	13.44
SED22C	0.74
SED 23A	125.58
SED 23B	16.106
SED23C	2.157
SED24A	10.301
SED24B	0.339
SED25A	0.224
SED25B	0.061
SED25C	0
SED26A	87.01
SED26B	0.893
SED27A	0
SED27B	0

	Total PAH (ppm)
SED 10A	4.12
SED 10B	0
SED 11A	2.44
SED 11B	2
SED 7	5.3
SED 8	6.2

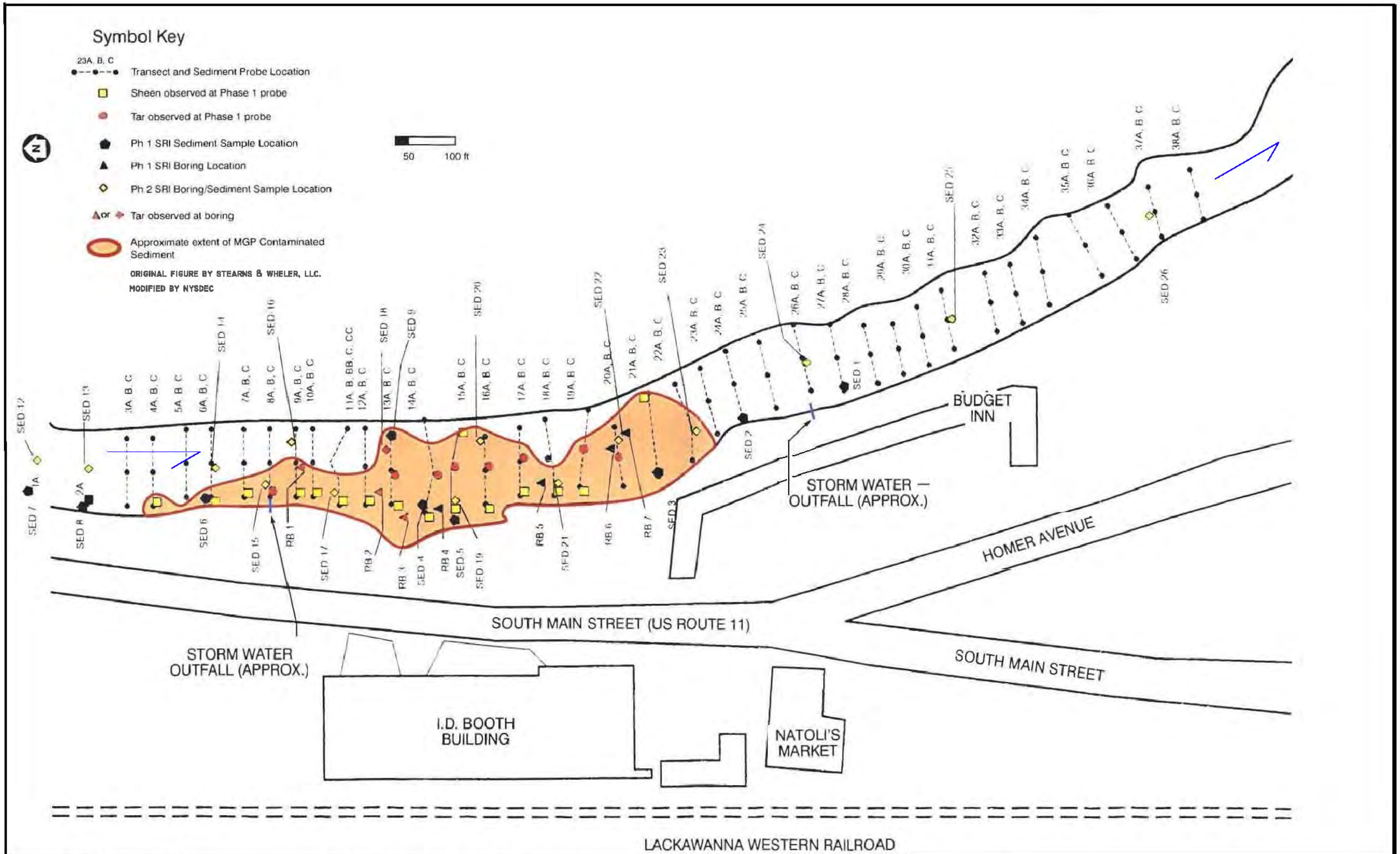
	Total PAH (ppm)
SED 28A	11.7
SED 28B	0
SED 28C	0
SED29A	4.393
SED29B	0.104
SED29C	0
SED30A	30.463
SED30B	2.602
SED31B	1.764
SED32A	0.823
SED32B	6.136
SED33A	0.186
SED33B	0.687
SED34A	0.112
SED34B	0.043
SED35A	128.02
SED35B	10.782
SED36A	22.892
SED36B	1.156
SED37A	196.98
SED37B	14.837
SED38A	100.42
SED38B	15.668
SED38C	36.97
SED40A	22.77
SED40B	34.634
SED41A	34.71
SED41B	296.45
SED42A	20.257
SED42B	57.52
SED43A	23.654
SED43B	3570.3
SED43C	86.94
SED44A	4.456
SED44B	7.862

ORIGINAL FIGURE BY STEARNS & WHELER, LLC. MODIFIED BY NYSDEC.

NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK

WEST BRANCH TIOUGHNIOGA, SEDIMENT OVERVIEW

FIGURE 10

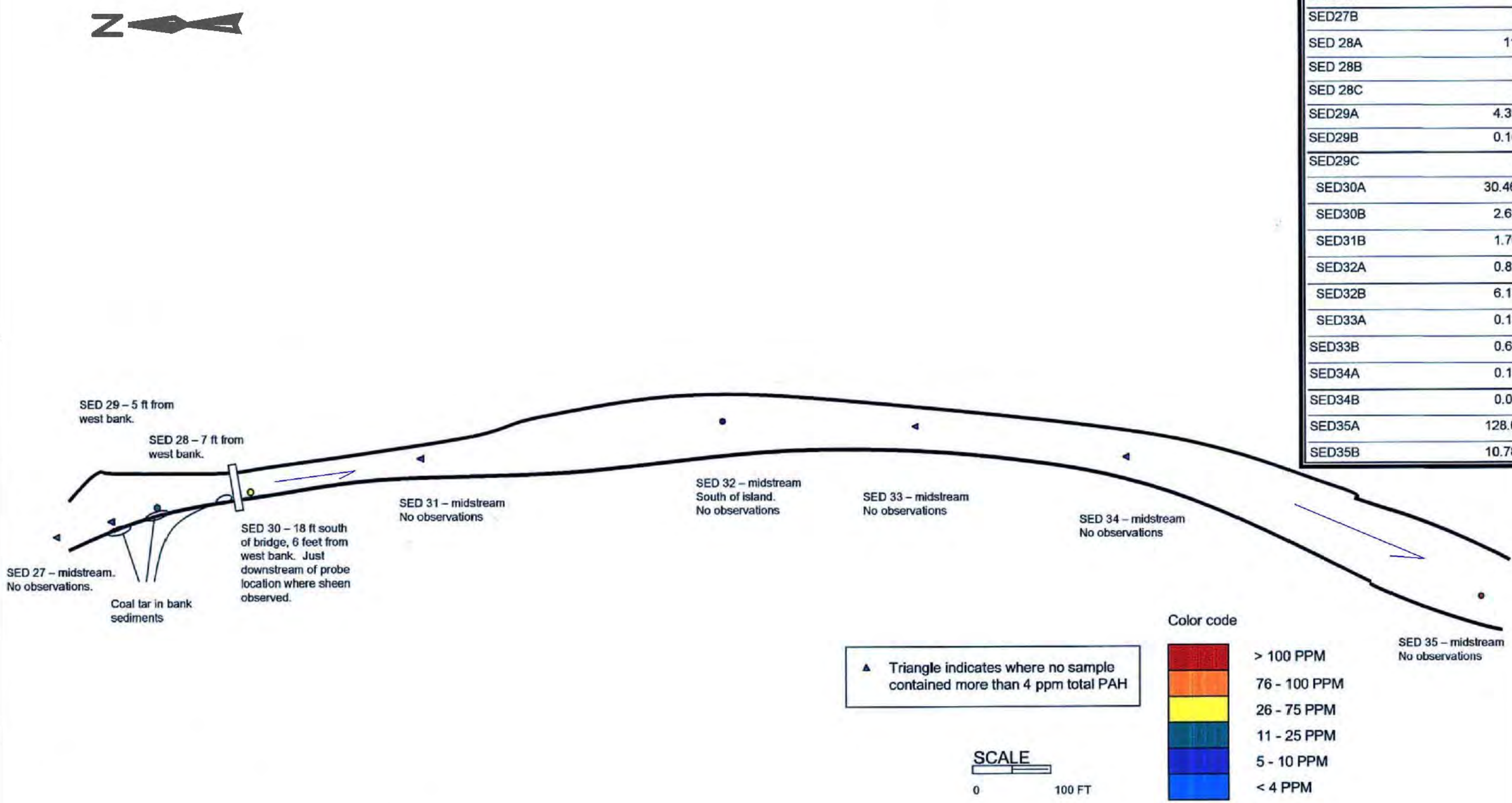


NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK

EXTENT OF SEDIMENT CONTAMINATION NEAR SITE

FIGURE II

	Total PAH (ppm)
SED27A	0
SED27B	0
SED 28A	11.7
SED 28B	0
SED 28C	0
SED29A	4.393
SED29B	0.104
SED29C	0
SED30A	30.463
SED30B	2.602
SED31B	1.764
SED32A	0.823
SED32B	6.136
SED33A	0.186
SED33B	0.687
SED34A	0.112
SED34B	0.043
SED35A	128.02
SED35B	10.782

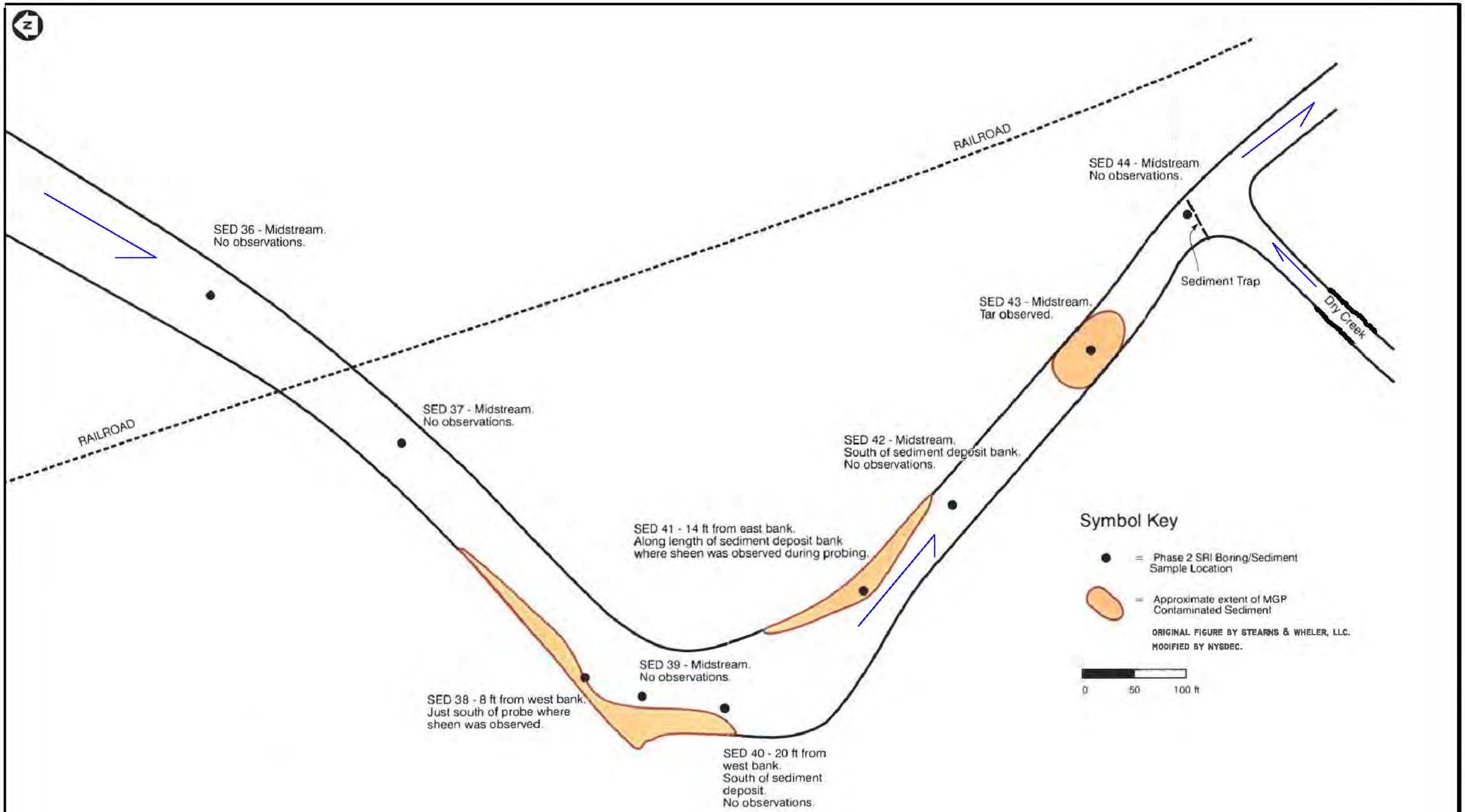


ORIGINAL FIGURE BY STEARNS & WHELER, LLC.
MODIFIED BY NYSDEC.

NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK

EXTENT OF SEDIMENT CONTAMINATION DOWNSTREAM

FIGURE 12



NYSEG CORTLAND HOMER FORMER MGP SITE
HOMER (V), CORTLAND COUNTY, NEW YORK

EXTENT OF SEDIMENT CONTAMINATION AT SEDIMENT TRAP

FIGURE 13