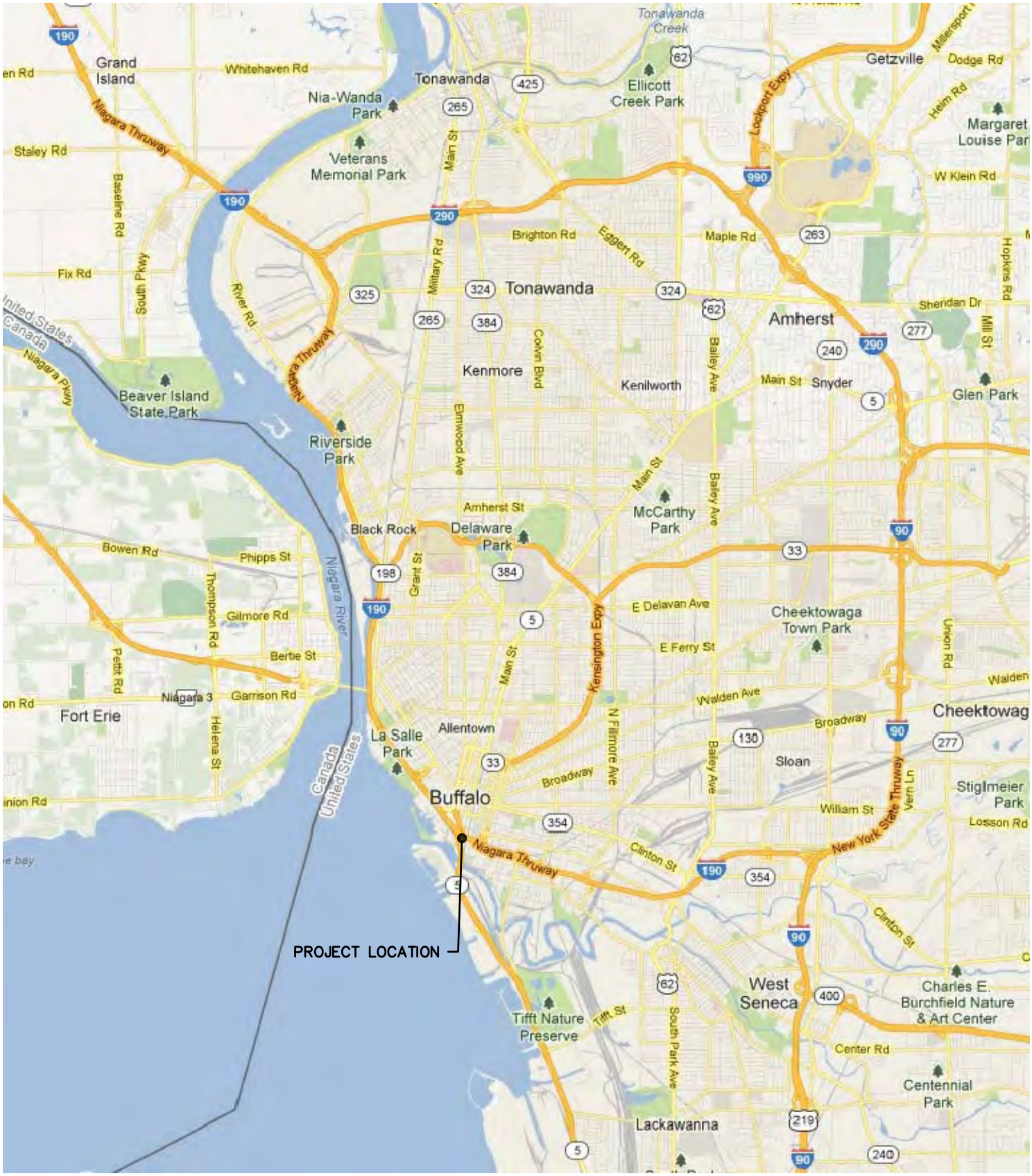
Figures



NOTES:

1. SOURCE: GOOGLE MAPS

SCALE: 4500' 0' 4500' 9000'

REGIONAL LOCATION MAP

125 MAIN STREET SITE

HARBOR DISTRICT ASSOCIATES, LLC

CITY OF BUFFALO, STATE OF NEW YORK

EnSol, Inc.
Environmental Solutions

661 MAIN STREET
NIAGARA FALLS, NY 14301
PHONE (716) 285-3920
FAX (716) 285-3928

MAY 2013 | PN: 12-0069-3

FIGURE 1

X:\AA Ap\Benderson Development\12-0069 125 Main St. Buffalo, NY\Task 3 - RI-IRM-AAR Preparation\RI-IRM-AAR Report\ACAD\12-0069-F01-Regional Location Map.dwg, 8.5x11-portrait, 7/16/2013 1:52:09 PM, J. Darling

NOTES:

1. SOURCE: U.S. FISH AND WILDLIFE SERVICES

LEGEND:

PARCEL BOUNDARY

BCP BOUNDARY

SCALE: 125' 0' 125' 250'

VICINITY LOCATION MAP

125 MAIN STREET SITE

HARBOR DISTRICT ASSOCIATES, LLC

CITY OF BUFFALO, STATE OF NEW YORK

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Environmental Solutions
661 MAIN STREET
NIAGARA FALLS, NY 14301
PHONE (716) 285-3920
FAX (716) 285-3928

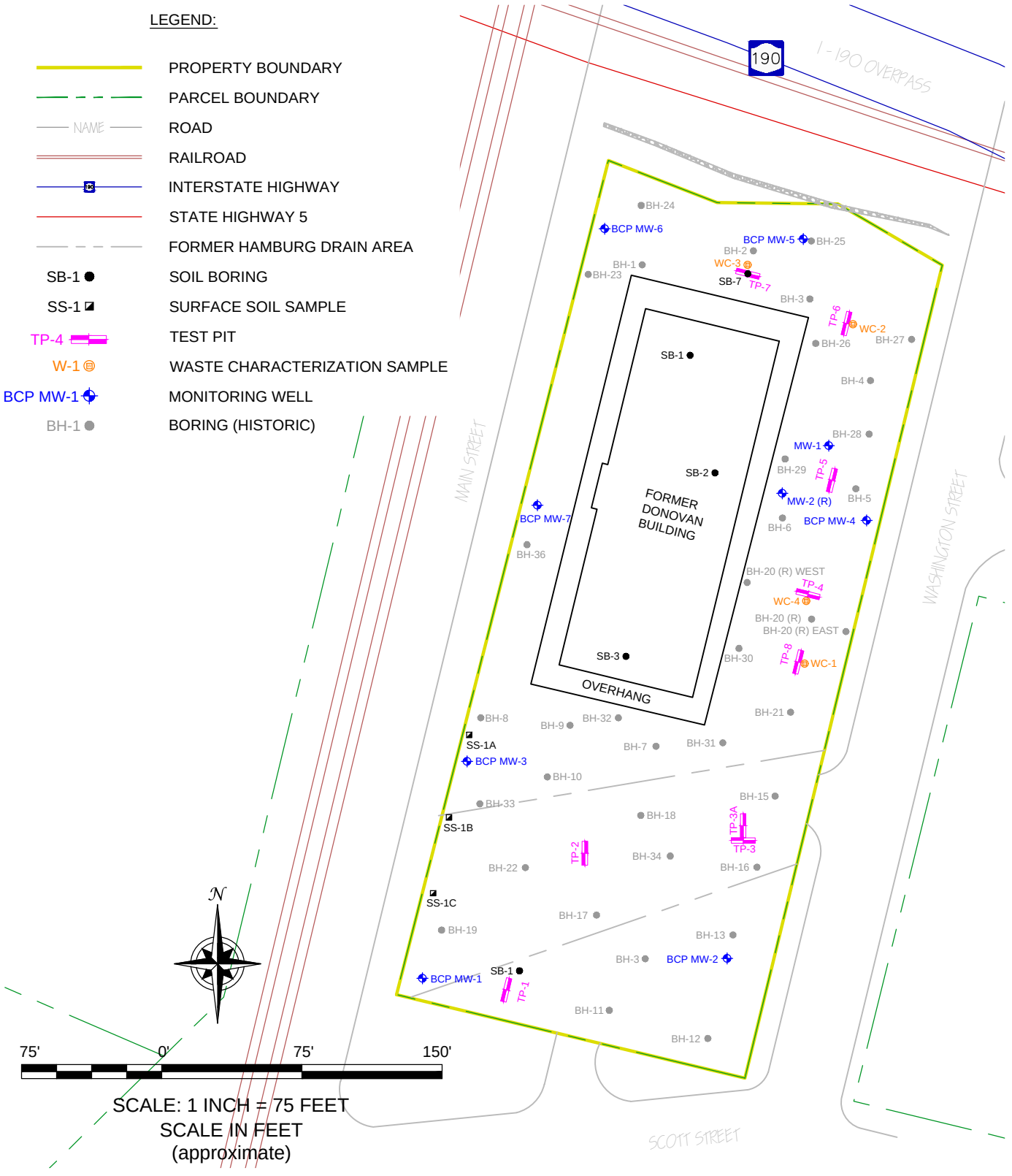
MAY 2013 | PN: 12-0069-3

FIGURE 2

X:\AA Ap\Benderson Development\12-0069 125 Main St. Buffalo, NY\Task 3 - RI-IRM-AAR Preparation\RI-IRM-AAR Report\ACAD\12-0069-F02-Vicinity Location Map.dwg, 8.5x11-portrait, 7/16/2013 1:53:56 PM, J. Darling

F:\CAD\Benchmark\Benderson\Donovan Building\RI Report\Figures 2-X; BASE MAP.dwg

FIGURE 3



BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

PROJECT NO.: 0105-012-003

DATE: DECEMBER 2012

DRAFTED BY: JGT

RI SAMPLE LOCATIONS

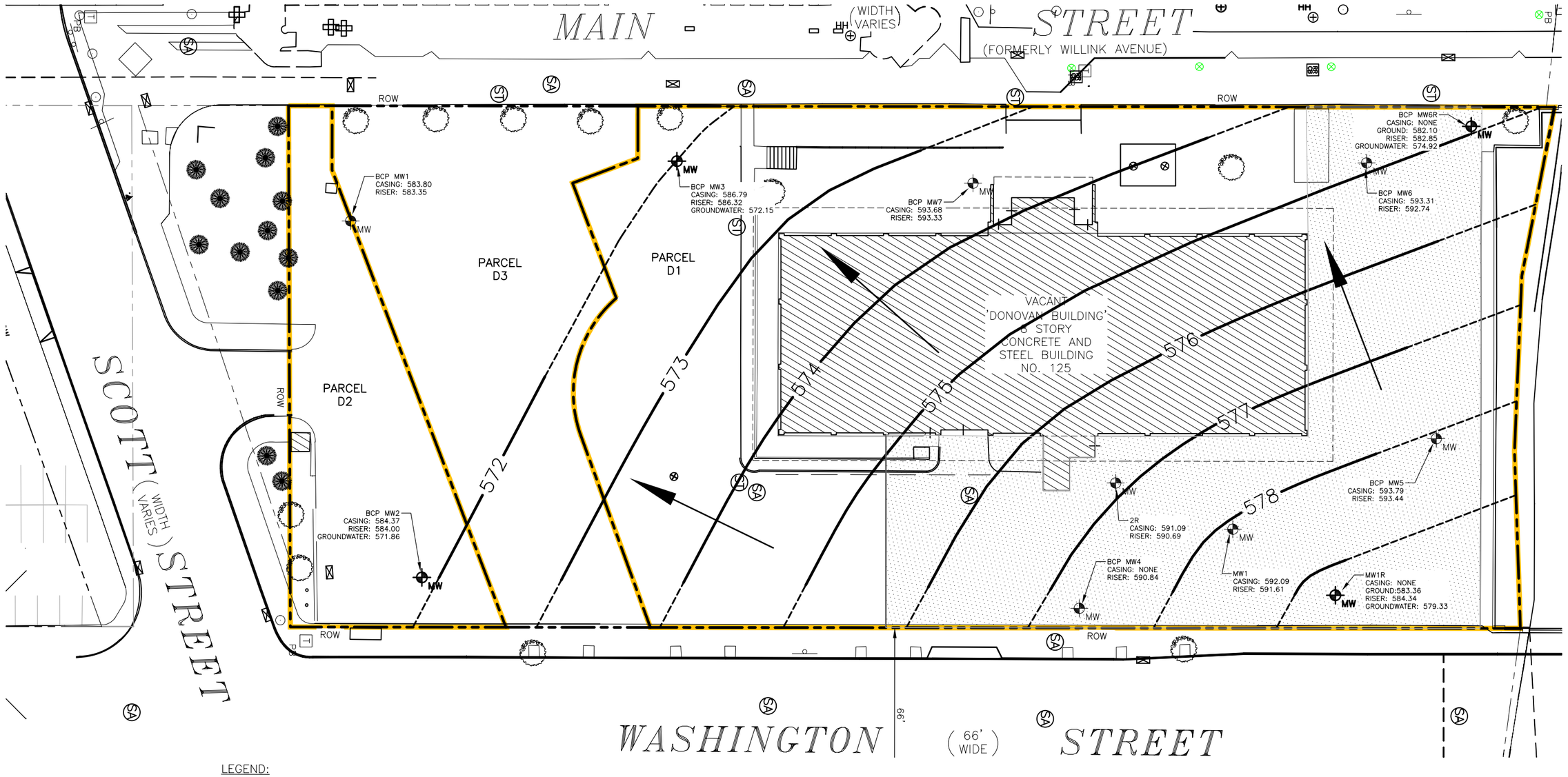
RI/IRM/AA REPORT

125 MAIN STREET SITE

BUFFALO, NEW YORK

PREPARED FOR

HARBOR DISTRICT ASSOCIATES, LLC



LEGEND:

- 576 — GROUNDWATER ISOPOTENTIAL CONTOUR LINE
- GROUNDWATER ISOPOTENTIAL CONTOUR LINE (INFERRED)
- MW — MONITORING WELL (NO GW ELEVATION MEASURED)
- MW — MONITORING WELL (WITH GW ELEVATION)
- FLOW DIRECTION ARROW
- APPROXIMATE PARCEL BOUNDARY
- BCP BOUNDARY
- IRM EXCAVATION AREA

NOTES:

1. BASE MAP PROVIDED BY FOIT ALBERT ASSOCIATES.
2. MONITORING WELL LOCATIONS BASED ON JUNE 2012 BOUNDARY AND PARTIAL TOPOGRAPHIC SURVEY BY TVGA CONSULTANTS, EXCEPT FOR MW1R AND BCP MW6R WHICH WERE LOCATED ON MAY 16, 2013 BY ENSOL, INC.
3. THE ISOPONTENTIAL MAP INCLUDES MAY 2013 GROUNDWATER ELEVATION DATA FROM MONITORING WELLS MW-1R, BCP MW-2, BCP MW-3, AND BCP MW-6R ONLY. GROUNDWATER ELEVATION DATA FROM ALL OTHER WELLS IS NOT AVALIABLE.
4. PROPERTY BOUNDARY LINES SHOWN HEREON ARE APPROXIMATE AND FOR REFERENCE ONLY.
5. REPLACEMENT MONITORING WELLS ARE IDENTIFIED WITH THE "R" DESIGNATION. WELLS ORIGINALLY INSTALLED IN THE VICINITY OF THE REPLACEMENT WELLS WERE REMOVED DURING THE IRM.

REVISION	BY	DATE
REVISED PER NYSDEC COMMENTS DATED 6/3/13	DJP	6/12/13

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145 SECTION 7209, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY.

EnSol, Inc.
Environmental Solutions
661 MAIN STREET
NIAGARA FALLS, NY 14301
PHONE (716) 285-3920 FAX (716) 285-3928

PROJECT NO:	12-0069-3
SCALE:	20' 0' 20' 40'
DWG:	12-0069-F04-MON WELL AND GW ISO PLAN.dwg
DES. BY: CAC	DRW. BY: AMW CHK. BY: DJP
DATE:	MAY 2013

TITLE: GROUNDWATER MONITORING WELL LOCATIONS AND ISOPOTENTIAL MAP

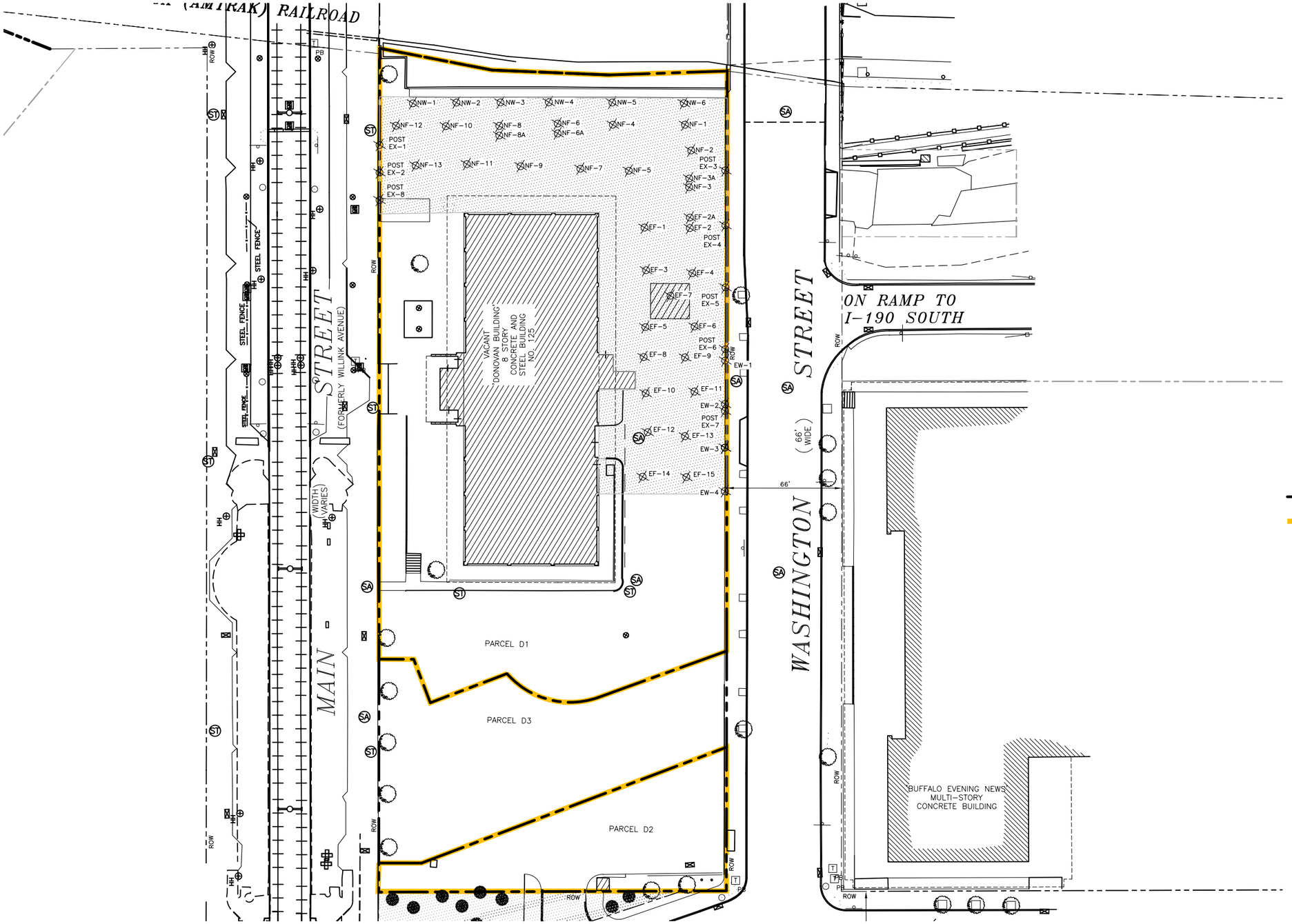
PROJECT: 125 MAIN STREET SITE BUFFALO, NEW YORK

PREPARED FOR: HARBOR DISTRICT ASSOCIATES, LLC

CITY OF BUFFALO | COUNTY OF ERIE | STATE OF NEW YORK

FIGURE 4

X:\AA\Op\Benderson Development\12-0069 125 Main St, Buffalo, NY\Task 3 - RI-HRM-AAR Preparation\RI-HRM-AAR Report\ACAD\12-0069-F04-MON WELL AND GW ISO PLAN.dwg, D01, 7/16/2013 1:55:55 PM, J. Darling



LEGEND:

- NW-5 — POST EXCAVATION SAMPLE POINT NORTH WALL
- NF-3 — POST EXCAVATION SAMPLE POINT NORTH FLOOR
- EF-2 — POST EXCAVATION SAMPLE POINT EAST FLOOR
- EW-1 — POST EXCAVATION SAMPLE POINT EAST WALL
- POST EX-8 — POST EXCAVATION SAMPLE POINT BEHIND STEEL SHEETING (TURNKEY 2012)
- FORMER 30,000 GALLON FUEL OIL UST
- INTERIM REMEDIAL MEASURES (IRM) AREA – MASS WASTE EXCAVATION
- APPROXIMATE PARCEL BOUNDARY
- BCP BOUNDARY

NOTES:

1. BASE MAP PROVIDED BY FOITALBERT ASSOCIATES
2. MAP BASED ON APPROXIMATE SAMPLE POINT LOCATIONS
3. "A" SAMPLES WERE COLLECTED ONCE OVEREXCAVATION OF THE FLOOR (APPROXIMATELY 6"–8") WAS COMPLETED.

REVISION	BY	DATE
REVISED PER NYSDEC COMMENTS DATED 6/3/13	DJP	6/12/13

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Environmental Solutions
661 MAIN STREET
NIAGARA FALLS, NY 14301
PHONE (716) 285-3920 FAX (716) 285-3928

PROJECT NO: 12-0069-3
SCALE: 30' 0' 30' 60'
DWG: 12-0069-F05-Post Ex Sample Location Map.dwg
DES. BY: CAC | DRW. BY: CAC | CHK. BY: DJP
DATE: MAY 2013

TITLE: IRM EXCAVATION LIMITS & POST-EXCAVATION CONFIRMATORY SAMPLE LOCATIONS
2012-2013 INTERIM REMEDIAL MEASURES

PROJECT: 125 MAIN STREET SITE BUFFALO, NEW YORK
PREPARED FOR: HARBOR DISTRICT ASSOCIATES, LLC
CITY OF BUFFALO | COUNTY OF ERIE | STATE OF NEW YORK

FIGURE 5

X:\AA0g\Benderson Development\12-0069 125 Main St, Buffalo, NY\Task 3 - RI-HRM-AAR Preparation\RI-HRM-AAR Report\ACAD\12-0069-F05-Post Ex Sample Location Map.dwg, D01, 7/16/2013 1:57:21 PM, J. Darling

MAIN STREET (WIDTH VARIES)

(FORMERLY WILLINK AVENUE)

SCOTT STREET (WIDTH VARIES)

WASHINGTON STREET (66' WIDE)

ROW

PARCEL D1

PARCEL D2

PARCEL D3

24"ø ACCESS PORT (TYP)

STORMWATER RETENTION AND INFILTRATION SYSTEM

150 LF PERFORATED 48" CORRUGATED PLASTIC PIPE AT 0.0%

100 LF PERFORATED 48" CORRUGATED PLASTIC PIPE AT 0.0%

MANHOLE (TYP)

VACANT 'DONOVAN BUILDING' 8 STORY CONCRETE AND STEEL BUILDING NO. 125

4'

LEGEND:

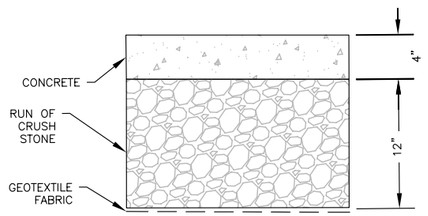
- APPROXIMATE PARCEL BOUNDARY
- BCP BOUNARY

APPROXIMATE IRM EXCAVATION DEPTH (BELOW GROUND SURFACE)

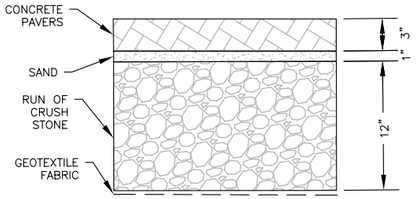
- 0'–3'
- 3'–6'
- 6'–9'
- 9'–12'

NOTES:

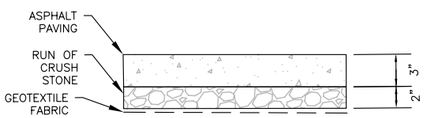
1. BASE MAP PROVIDED BY FOIT ALBERT ASSOCIATES.
2. PROPERTY BOUNDARY LINES SHOWN HEREON ARE APPROXIMATE AND FOR REFERENCE ONLY.



PARCEL D1 (IRM AREA)



PARCEL D1 (NON-IRM AREA)



PARCEL D2

COVER SYSTEMS

NTS

REVISION	BY	DATE
ADDED STORM WATER INFILTRATION SYSTEM, INCREASE THICKNESS OF D1 STONE PER NYSDEC COMMENTS	DJP	7/11/13

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EnSol, Inc.
Environmental Solutions
661 MAIN STREET
NIAGARA FALLS, NY 14301
PHONE (716) 285-3920 FAX (716) 285-3928

PROJECT NO:	12-0069-3	
SCALE:	20' 0' 20' 40'	
DWG: 12-0069-F06-IRM And Cover Systems Details.dwg		
DES. BY: JCD	DRW. BY: JCD	CHK. BY: DJP
DATE:	JUNE 2013	

TITLE: IRM AND COVER SYSTEM DETAILS

PROJECT: 125 MAIN STREET SITE BUFFALO, NEW YORK

PREPARED FOR: HARBOR DISTRICT ASSOCIATES, LLC

CITY OF BUFFALO | COUNTY OF ERIE | STATE OF NEW YORK

FIGURE 6

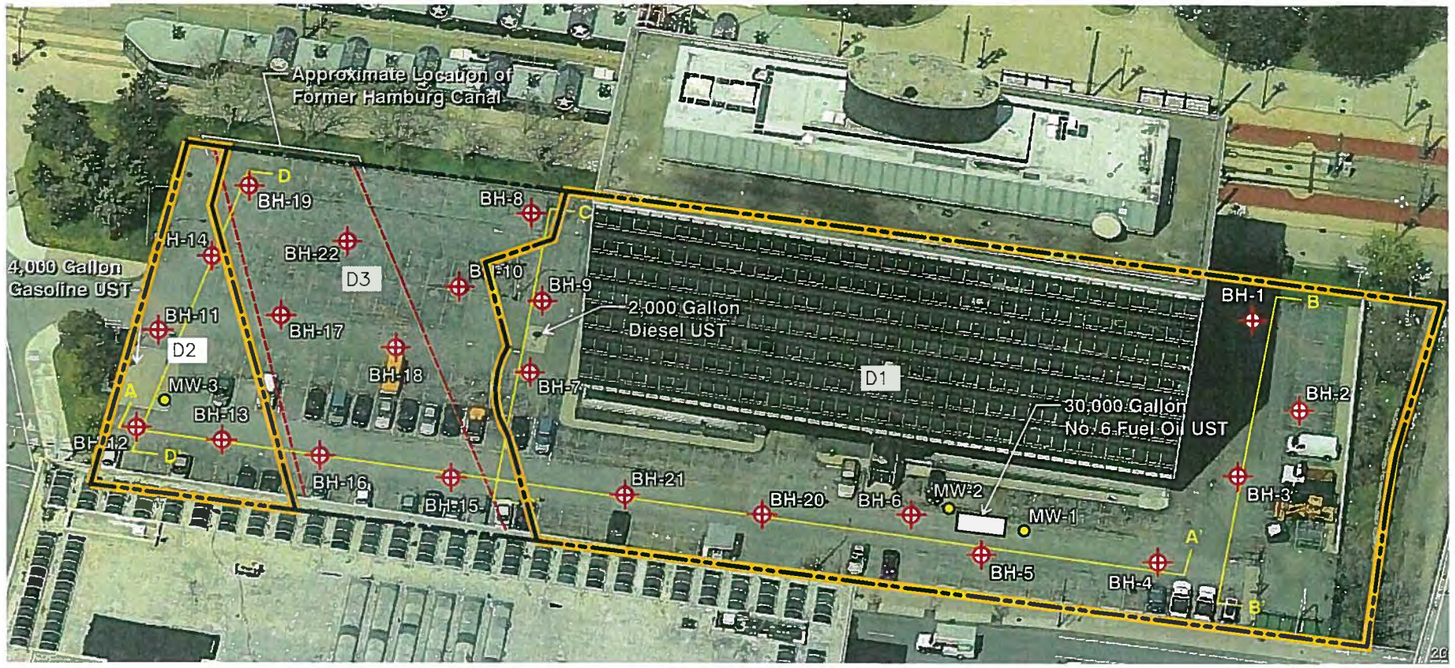
X:\AA\g\Benderson Development\12-0069 125 Main St, Buffalo, NY\Task 3 - RI-RIRM-AAR Preparation\RI-RIRM-AAR Report\ACAD\12-0069-F06-IRM and Cover Systems details.dwg, D01, 7/16/2013 2:05:00 PM, J. Darling

LEGEND:

EL 20.0	ELEVATION
———	APPROXIMATE BASEMENT FLOOR ELEVATION
- - - - -	APPROXIMATE IRM EXCAVATION
— - — - —	APPROXIMATE PARCEL BOUNDARY
▬▬▬	BCP BOUNDARY
D1	PARCEL IDENTIFICATION
■	ENVIRONMENTAL SAMPLES COLLECTED
▭	AUGER REFUSAL (POSSIBLE FOUNDATION)

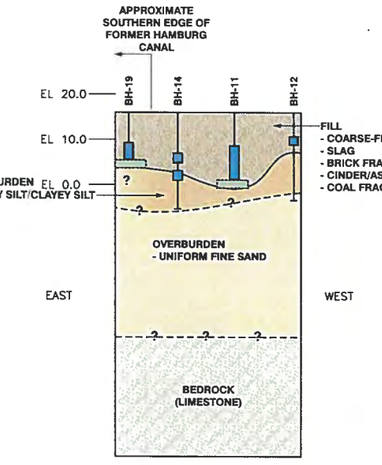
NOTES:

1. BASE MAP PROVIDED MICROSOFT VIRTUAL EARTH.
2. PARCELS BOUNDARY LINES SHOWN HEREON ARE APPROXIMATE AND FOR REFERENCE ONLY.
3. ORIGINAL FIGURES FROM URS PHASE II INVESTIGATION (NOVEMBER 2007).
4. BASEMENT FLOOR ELEVATION IS BASED OFF OF DRAWING 61 OF 101: PLOT AND GRADING (INCLUDING IMPROVEMENTS OF GROUNDS) AND FOUNDATION INVESTIGATION DATED APRIL 5, 1961 BY THE STATE OF NEW YORK, DEPARTMENT OF PUBLIC WORKS, DIVISION OF ARCHITECTURE.



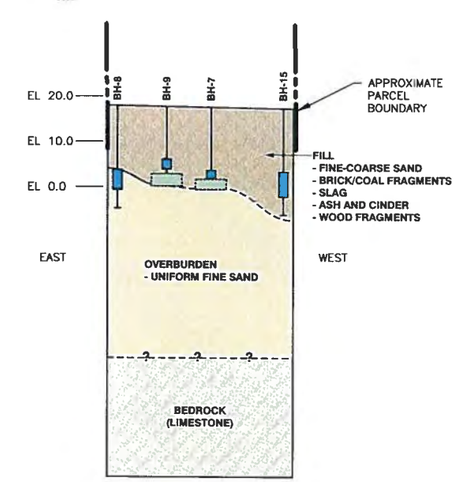
PROJECT MAP

30' 0' 30' 60'



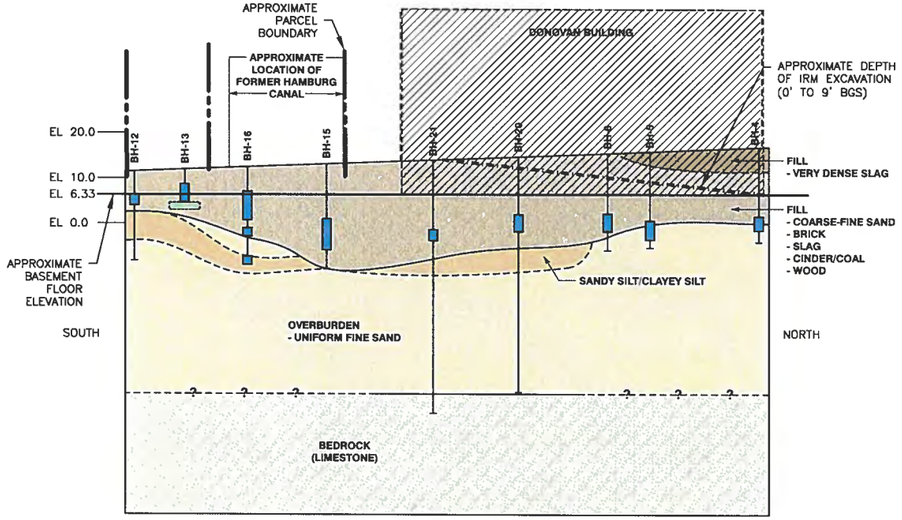
CROSS SECTION D-D'

HORIZ. SCALE 50' 0' 50' 100'



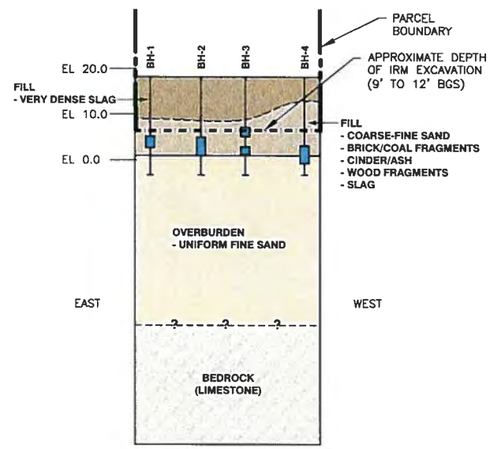
CROSS SECTION C-C'

HORIZ. SCALE 50' 0' 50' 100'



CROSS SECTION A-A'

HORIZ. SCALE 50' 0' 50' 100'



CROSS SECTION B-B'

HORIZ. SCALE 50' 0' 50' 100'

REVISION	BY	DATE
ADDED APPROXIMATE IRM EXCAVATION DEPTH AS PER NYSDEC COMMENTS	DJP	7/11/13

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EnSol, Inc.
Environmental Solutions
661 MAIN STREET
NIAGARA FALLS, NY 14301
PHONE (716) 285-3920 FAX (716) 285-3928

PROJECT NO:	12-0069-3		
SCALE:	AS SHOWN		
DWG:	12-0069-F07-Soil Boring.dwg		
DES. BY: JCD	DRW. BY: JCD	CHK. BY: DJP	
DATE:	JULY 2013		

TITLE: SOIL BORING LOCATION PLAN AND CROSS SECTIONS DETAILS

PROJECT: 125 MAIN STREET SITE BUFFALO, NEW YORK

PREPARED FOR: HARBOR DISTRICT ASSOCIATES, LLC

CITY OF BUFFALO | COUNTY OF ERIE | STATE OF NEW YORK

FIGURE 7

X:\AA Agl\Banderson Development\12-0069 125 Main St Buffalo, NY\Task 3 - RI-IRM-AAR Preparation\RI-IRM-AAR Report\ACAD\12-0069-F07-Soil Boring.dwg, D01, 7/16/2013 2:31:14 PM, J Darling