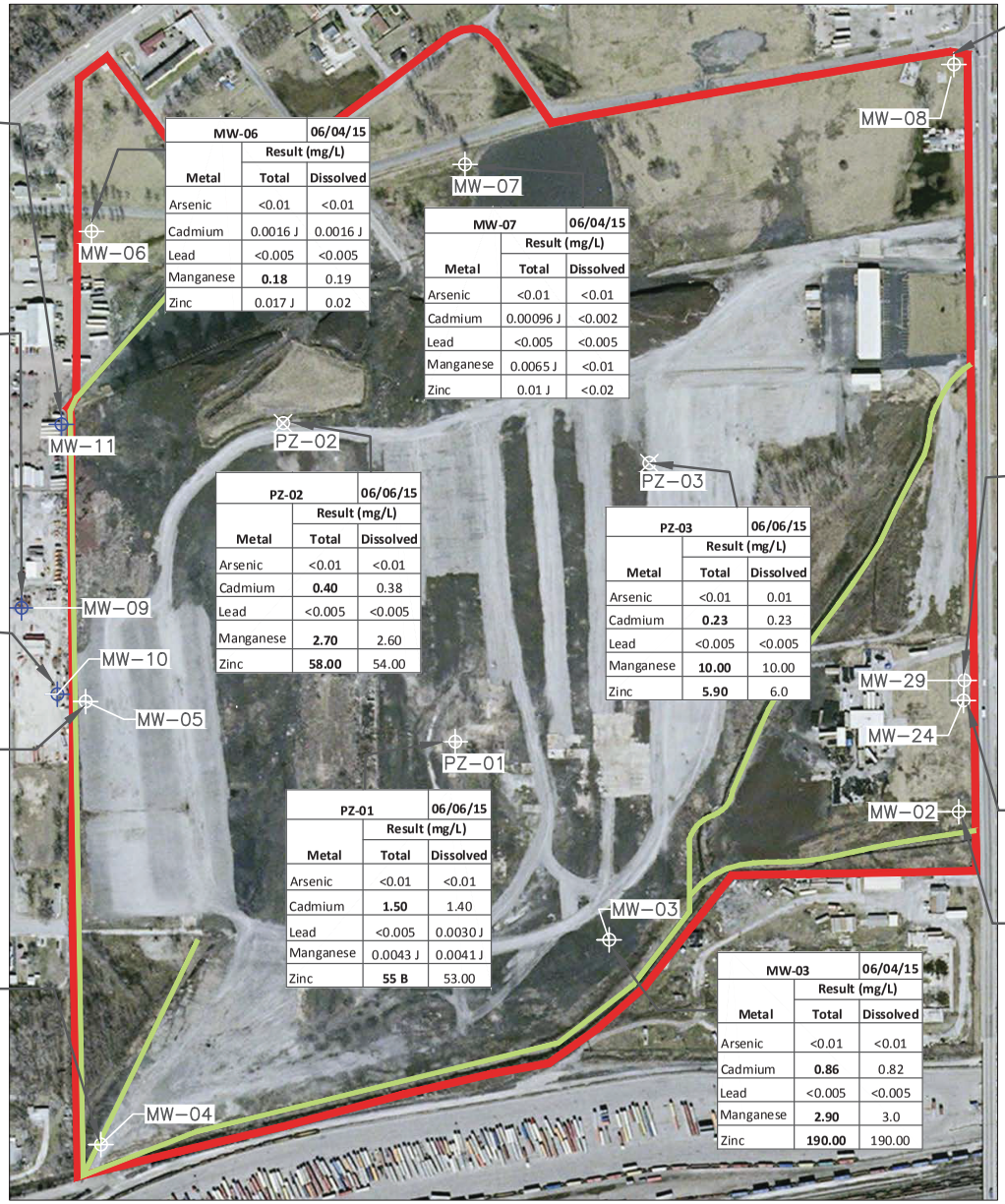
| MW-11 | 06/06/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | <0.01 |
| Cadmium | 0.0013 J | 0.00 |
| Lead | <0.005 | 0.0043 J |
| Manganese | **1.8 F1** | 1.70 |
| Zinc | 0.016 J B | 0.017 J ^ |

| MW-09 | 06/04/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | <0.01 |
| Cadmium | 0.0016 J | 0.0017 J |
| Lead | <0.005 | <0.005 |
| Manganese | **2.10** | 2.10 |
| Zinc | 0.08 | 0.08 |

| MW-10 | 06/05/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | 0.0059 J | 0.005 J |
| Cadmium | <0.002 | <0.002 |
| Lead | <0.005 | <0.005 |
| Manganese | **0.70** | 0.68 |
| Zinc | 0.015 J | 0.014 J |

| MW-05 | 06/05/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | <0.01 |
| Cadmium | 0.0012 J | 0.0011 J |
| Lead | <0.005 | <0.005 |
| Manganese | 0.03 | 0.0062 J |
| Zinc | 0.05 | 0.04 |

| MW-04 | 06/05/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | **0.12** | 0.11 |
| Cadmium | <0.002 | <0.002 |
| Lead | <0.005 | <0.005 |
| Manganese | **5.40** | 5.20 |
| Zinc | 0.03 | 0.02 |




| MW-06 | 06/04/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | <0.01 |
| Cadmium | 0.0016 J | 0.0016 J |
| Lead | <0.005 | <0.005 |
| Manganese | **0.18** | 0.19 |
| Zinc | 0.017 J | 0.02 |

| MW-07 | 06/04/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | <0.01 |
| Cadmium | 0.00096 J | <0.002 |
| Lead | <0.005 | <0.005 |
| Manganese | 0.0065 J | <0.01 |
| Zinc | 0.01 J | <0.02 |

| PZ-02 | 06/06/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | <0.01 |
| Cadmium | **0.40** | 0.38 |
| Lead | <0.005 | <0.005 |
| Manganese | **2.70** | 2.60 |
| Zinc | **58.00** | 54.00 |

| PZ-03 | 06/06/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | 0.01 |
| Cadmium | **0.23** | 0.23 |
| Lead | <0.005 | <0.005 |
| Manganese | **10.00** | 10.00 |
| Zinc | **5.90** | 6.0 |

| PZ-01 | 06/06/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | <0.01 |
| Cadmium | **1.50** | 1.40 |
| Lead | <0.005 | 0.0030 J |
| Manganese | 0.0043 J | 0.0041 J |
| Zinc | **55 B** | 53.00 |

| MW-03 | 06/04/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | <0.01 |
| Cadmium | **0.86** | 0.82 |
| Lead | <0.005 | <0.005 |
| Manganese | **2.90** | 3.0 |
| Zinc | **190.00** | 190.00 |

| MW-08 | 06/04/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | <0.01 |
| Cadmium | **0.01** | 0.01 |
| Lead | <0.005 | <0.005 |
| Manganese | 0.07 | 0.06 |
| Zinc | 0.26 | 0.24 |

| MW-29 | 06/05/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | <0.01 |
| Cadmium | **0.04** | 0.04 |
| Lead | <0.005 | 0.0049 J |
| Manganese | **1.50** | 1.50 |
| Zinc | 2.2 B | 0.22 |

| MW-24 | 06/05/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | 0.0054 J |
| Cadmium | **0.12** | 0.12 |
| Lead | <0.005 | <0.005 |
| Manganese | **3.0** | 3.0 |
| Zinc | 3.60 | 3.60 |

| MW-02 | 06/04/15 | |
|---|---|---|
| | Result (mg/L) | |
| Metal | Total | Dissolved |
| Arsenic | <0.01 | <0.01 |
| Cadmium | 0.00095 J | <0.002 |
| Lead | <0.005 | <0.005 |
| Manganese | 0.0074 J | <0.01 |
| Zinc | 0.012 J | <0.02 |

N

0 350 FEET

## LEGEND

FACILITY AREA BOUNDARY

EXISTING DITCH LINE

MONITORING WELLS

| Illinois Class I Action Levels | | | | |
|---|---|---|---|---|
| Arsenic | Cadmium | Lead | Manganese | Zinc |
| 0.01 | 0.005 | NA | 0.15 | 5 |

NOTES:

**Bold** value exceeds Illinois Class 1 Action Level
J: Result < RL but > or = to MDL and concentration is an approximate value

F1: MS and/or MSD recovery is outside acceptance limits

B: Compound was found in blank and sample

^: Instrument related QC is outside acceptance limits for standard

NOTES:
-FIGURE BASED ON INFORMATION INCLUDED IN RI/FS FIGURES BY ENTACT MARCH 2009
-CLASS I CLEAN UP LEVELS APPLY TO TOTAL METALS, NOT DISSOLVED

BLUE TEE CORP.
OLD AMERICAN ZINC SITE
FAIRMONT CITY, ILLINOIS
**PRE DESIGN INVESTIGATION**

**GROUNDWATER ANALYTICAL RESULTS**

ARCADIS

FIGURE
7