

Site Name: Waterloo Greyhound Park, Waterloo

Initial Site Screening (ISS)

Project Manager: Tami S. Quam

Date: July 15, 2013

3931 - Phase II Assessment Review – Brownfield Funded

Phase II submitted as part of standard real estate development, pre-purchase agreement, or other due diligence, not a part of a community grant project, or

3837 - Phase II Assessment – Brownfield Grant Funded

Phase II submitted as part of an EPA grant funded community-wide or targeted assessment project – see Mel Pins if questions on this determination, or

3321 - Phase II Assessment Review – CERCLA Pre-Remedial Funded

Phase II submitted that is not part of a real estate transaction

Location:

Latitude: 42.4629
(Decimal Degree format)

Longitude: -92.4077

County: Black Hawk

USGS Quadrant: _____

Site Size: 64.94

Site Dimension:

Acres

Square Feet

Feet

Square Miles

Miles

Site Alias Name(s): _____

Congressional District: 1

Grant Recipient Name, Address & Contact: NA

Current Owner & Address: National Cattle Congress Inc., 257 Ansborough Avenue, Waterloo, Iowa 50701 Attn: Mr. Wally Mochal

Responsible Party Name(s) & Address, if different from current owner:
Unknown at this time

Site Street Address or Tier, Range, Section & Subsections (if street address is unknown)

3250 Greyhound Drive, Waterloo, Iowa

Directions to site: From Des Moines, take I-35 north to exit 142A and merge onto US-20 east towards Waterloo. Take exit 227 for US-63/Sergeant Road and turn right. Turn left onto Greyhound Drive which is the first cross street. The site is on the left at 3250 Greyhound Drive.

Summarize the site history (past usages, past ownerships, wastes, known or suspected contamination pathways such as tanks, septic tank/tile field, lagoon, land applications, S.W. burial, etc)

The site was developed in 1986 with an indoor grandstand, four warehouse structures, and concrete and gravel parking lots. The site was operated by the Waterloo Greyhound Park as a dog race track. As part of the Phase I Environmental Site Assessment (ESA) dated March 6, 2013, one recognized environmental condition (REC) was identified onsite. The REC identified was an unregulated waste disposal area located along the west side of the site. Debris could be observed sticking out of the ground surface; therefore, several test pits were conducted onsite to visually inspect and characterize the debris. The exact number of test pits conducted were not referenced in the Revised Phase II ESA dated July 10, 2013; however, the test pits were excavated from 2 to 4 feet below ground surface in areas of identified contaminants and the material was stockpiled on plastic sheeting. A total of approximately 420 cubic yards of solid waste, debris, and potentially contaminated soil was excavated from the test pits and stockpiled onsite. In addition, some vegetated soil mounds were turned over with an excavator during the excavation efforts to inspect the mounds for debris and/or potentially contaminated soil. The excavated material was later disposed of at the Black Hawk County Landfill. Petroleum products, petroleum contaminated soil, and potentially hazardous material were observed in eight test pits (TP-3, TP-4, TP-6 through TP-9, and TP-21).

Briefly describe the site assessment that was conducted (number of borings, monitoring wells, number of samples, depth of soil samples and monitoring wells, analysis, etc.)

After excavation and stockpiling of material, 21 soil samples were collected from the test pits where petroleum products, petroleum contaminated soil, and potentially hazardous material was observed (TP-3, TP-4, TP-6, TP-7, TP-8, TP-9, and TP-21). Test pits TP-10 through TP-20 revealed non-hazardous materials so no soil samples were collected from those test pits. The soil samples were collected from a combination of the ground surface, excavation base, and excavation sidewalls of the test pits. Each soil sample was field screened for volatile organic compounds (VOCs) using a photo-ionization detector (PID). Soil samples submitted to the laboratory for analysis were selected based on field observations and PID results for analysis of a combination of VOCs, RCRA metals, polycyclic aromatic hydrocarbons (PAHs), and total extractable hydrocarbons (TEH).

In addition to the soil sampling, four temporary monitoring wells (TMW-1 through TMW-4) were installed in test pits TP-3, TP-4, TP-6, and TP-8 to investigate any groundwater impacts. Groundwater samples were collected on March 22, 2013, and were analyzed for VOCs, RCRA metals, PAHs, and TEH. Groundwater samples collected for RCRA metal analysis were not filtered. Groundwater was encountered between 5 and 6 feet below grade and the soil consisted of sand which would indicate a protected groundwater source area. Hydraulic conductivity was not evaluated as part of this assessment. Additional groundwater samples were collected from 3 temporary monitoring wells (TMW-1, TMW-2, and TMW-3) on June 17, 2013, and the samples were filtered by the laboratory prior to analysis for RCRA metals.

Summarize the findings and conclusions regarding the contaminants found and their extent and concentrations. Relate those values to known criteria such as statewide standards, MCLs, water quality standards, background levels or other benchmarks used to determine site priority.

PAHs were detected in several of the soil samples collected from test pits TP-6 and TP-9; however, none of the concentrations exceeded a standard. In the surface soil sample collected from TP-7 (TP-7-0 surface), the laboratory detection limits for benzo(a)pyrene and dibenz(a,h)anthracene exceeded the standard. RCRA metals and TEH were also detected in the soil samples at concentrations below the standards. The only exceedences of a soil standard were ethylbenzene and xylenes in the surface soil sample collected from TP-3 (TP-3-0 surface) at concentrations of 62.1 mg/kg and 193 mg/kg respectively. The ethylbenzene concentration exceeds the soil leaching to groundwater standard of 15 mg/kg and the soil to waterline standard of 45 mg/kg while the xylenes concentration exceeds the soil to waterline standard of 52 mg/kg. There is no soil leaching to groundwater standard for xylenes.

In groundwater, PAHs were detected in sample TMW-1 with only the concentration of benzo(b)fluoranthene (0.317 ug/L) exceeding the standard of 0.24 ug/L. Naphthalene was detected in all of the groundwater samples at concentrations below the standards. Two VOCs (acetone and p-isopropyltoluene) and TEH as diesel, gasoline, and waste oil were detected in one groundwater sample (TMW-4); however, the concentrations detected were either below the respective standards or do not have a standard. RCRA metals were detected in several groundwater samples with exceedences of arsenic in TMW-1, barium in TMW-2 and TMW-3, cadmium in TMW-2, and mercury in TMW-3 and TMW-4. Additional groundwater samples were collected about three months later which were filtered by the laboratory prior to analysis. The only RCRA metal detected in the second groundwater samples collected was barium at a concentration below the standard. Please see Table 1 below for additional information regarding the RCRA metal results.

Table 1 – RCRA Metal Results (mg/L)

	TMW-1		TMW-2		TMW-3		TMW-4	Protected Groundwater Standard	Non-protected Groundwater Standard
	3/22/13	6/17/13	3/22/13	6/17/13	3/22/13	6/17/13	3/22/13		
Arsenic	0.0132	<0.001	<0.01	<0.001	<0.005	<0.001	<0.001	0.01	0.05
Barium	0.69	0.162	47.9	0.0661	4.92	0.0633	1.12	2	10
Cadmium	0.000566	<0.0005	0.0168	<0.0005	<0.0005	<0.0005	<0.0005	0.005	0.025
Chromium	<0.005	<0.02	<0.04	<0.02	<0.02	<0.02	<0.02	0.1	0.5
Lead	0.00558	<0.004	<0.008	<0.004	0.00509	<0.004	<0.004	0.015	0.075
Selenium	<0.005	<0.002	<0.01	<0.005	<0.005	<0.005	<0.005	0.05	0.25
Silver	<0.0005	<0.02	<0.04	<0.02	<0.02	<0.02	<0.05	0.1	0.5
Mercury	0.000263	<0.0002	0.00109	<0.0002	0.00261	<0.0002	0.00515	0.002	0.01

* Concentrations in bold exceed a standard

Identify on-site or off-site potential and actual targets (e.g., municipal wells, private wells, drinking water intakes). What is known of the neighboring area, i.e., are there residences, businesses, public use areas, etc.? Are there utility lines that could be impacted by site contaminants? Identify any other use/location issues that deserve consideration.

Within a quarter-mile radius of the site there are two abandoned wells. Between a quarter-mile radius and a half-mile radius of the site there are two private, household

wells that are 100 to 120 feet deep, a 220 foot deep recreation well for the Cedar Valley Youth Soccer Association, an abandoned well, a municipal well used for test water only that is 136 feet deep, and a municipal well (well #21) that is 225 feet deep.

Black Hawk Creek is located approximately 700 feet west of the site and a railroad line is located about 500 feet east of the site. The site is located within the 1-mile capture zone for the Devonian aquifer with regard to the City of Waterloo well #21.

Rate the site on a scale of 1 to 4, in decreasing order of severity or priority.

3

Summarize the reasoning, knowledge or any other information used in determining your recommendation regarding the priority assigned to this site.

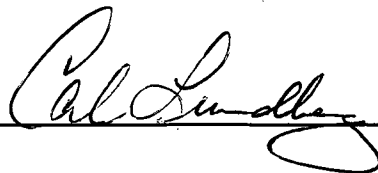
As noted above, the investigation conducted onsite was in response to debris found sticking out of the ground surface. Test pits were conducted and approximately 420 cubic yards of solid waste, debris, and potentially contaminated soil was excavated from the test pits which was later disposed of at the local landfill. Results from the soil and groundwater sampling conducted onsite detected soil exceedences of ethylbenzene and xylenes in the surface soil sample collected from TP-3 (TP-3-0 surface). No other soil samples were collected from TP-3 to determine if other impacts were observed but temporary monitoring well TMW-3 was installed in TP-3 and no VOCs were detected in groundwater sample TMW-3. In addition, there were no elevated PID readings observed in the boring log for TMW-3. In groundwater, one exceedence was observed. Benzo(b)fluoranthene was detected in sample TMW-1 at a concentration of 0.317 ug/L which slightly exceeded the standard of 0.24 ug/L.

Based on the low concentrations of contaminants observed onsite, the lack of nearby receptors of concern, and the fact that the debris found onsite has been properly disposed, no additional investigation is required at this time. No further action is required under CERCLA or Iowa Chapter 133 and the site is not a candidate for an ESS.

Site recommended for:

- No further action
- Additional investigation under state program (activity code 2824)
- Additional investigation under CERCLA (Extended Site Screening)
- Transfer to LUST/UST

Form Reviewed: _____



Date Reviewed: _____

7/18/13

Revised 11/2012

PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Tami S. Quam, Environmental Specialist Senior July 17, 2013
(Name/Title) (Date)
502 East 9th Street, Des Moines, Iowa 50319 515-281-4420
(Address) (Phone)
tami.quam@dnr.iowa.gov
(E-mail Address)

Site Name: Waterloo Greyhound Park, Waterloo

Previous Names (if any): _____

Site Location: 3250 Greyhound Drive

Waterloo Iowa 50701
(City) (ST) (Zip)
Latitude: 42.4629 **Longitude:** -92.4077

Compare the following checklist. If "yes" is marked, please explain below.

	YES	NO
1. Does the site already appear in CERCLIS?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance release have occurred, EPA approved risk assessment completed)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please explain all "yes" answer(s), attach additional sheets if necessary:

Ethylbenzene and xylenes were detected in a soil sample collected onsite.

- Site Determination: Enter the site into CERCLIS. Further assessment is recommended (Explain below).
 The site is not recommended for placement into CERCLIS (Explain below).
 Further assessment is recommended under PRE-CERCLA (Explain below).

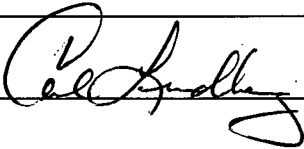
DECISION/DISCUSSION/RATIONALE:
 The investigation conducted onsite was in response to debris found sticking out of the ground surface. Test pits were conducted and approximately 420 cubic yards of solid waste, debris, and potentially contaminated soil was excavated from the test pits and stockpiled onsite. The material was later disposed of at the Black Hawk County Landfill. Results from the soil and groundwater sampling conducted onsite detected soil exceedences of ethylbenzene and xylenes in the surface soil sample collected from TP-3 (TP-3-0 surface). No other soil samples were collected from TP-3 to determine if other impacts were observed but temporary monitoring well TMW-3 was installed in TP-3 and no VOCs were detected in groundwater sample TMW-3. In addition, there were no elevated PID readings observed in the boring log for TMW-3. In groundwater, one exceedence was observed. Benzo(b)fluoranthene was detected in sample TMW-1 at a concentration of 0.317 ug/L which slightly exceeded the standard of 0.24 ug/L.

Based on the low concentrations of contaminants observed onsite, the lack of nearby receptors of concern, and the fact that the debris found onsite has been properly disposed, no additional investigation is required at this time. No further action is required under CERCLA or Iowa Chapter 133 and the site is not a candidate for an ESS.

Regional EPA Reviewer:

 Print Name/Signature Date

State Agency/Tribe:

CALLUNDBERG  _____
 Print Name/Signature Date 7/18/13



**REGION VII U.S. EPA SUPERFUND
NO DISCOVERY DATE**

PRE-CERCLIS INITIATION FORM

NPL Status = **O-NOT A VALID SITE OR INCIDENT**

Site Name: Waterloo Greyhound Park, Waterloo

Identified By: _____

- Removal Site Assessment Federal Facilities States
 Other Federal Agency Check if: FUD Site

Address: 3250 Greyhound Drive

County Name: Black Hawk

City, State, Zip: Waterloo, Iowa 50701

State ID (if one exists): _____

Congressional District: 1

NPL Status: = : Not a Valid Site or Incident Federal Facility Indicator: Federal Facility Not a Federal Facility Status Undetermined

- Section: C-(STAR) SPFD Technical Assistance/Re-Use Branch L-(EFLR) Enfr/Fund Lead RV Branch F-(FFSE) Federal Facilities/Special Emphasis Branch
 M-(MOKS) MO/KS remedial Branch I-(IANE) IA/NE Remedial Branch O-(ER&R) Emergency Response & RV Branch

List Site Alias Name (s): _____

Directions to Site: From Des Moines, take I-35 north to exit 142A, take US-20 east to exit 227, take Sergeant Road north and turn left onto Greyhound Drive.

Site Description: The site was formerly operated as a dog race track.

USGS Quadrant: _____ USGS Hydro Unit: _____

Latitude: 42.4629 Longitude: -92.4077
(Decimal Degree format) (with release of 3.17 see attached required location data form)

- Lat/Long Accuracy: Seconds Miles Feet
 Degrees Minutes Kilometers Meters

- Owner Bank/Loan Company Municipality
Operator County Owned Other
Type District Owned Private
 Federally-Owned Mixed Ownership
 Former Federally Owned or Operated State Owned
 Former Federally Owned or Operated State Owned
 Government Owned/Contractor Operated Trustee, Federal
 Privately Owned/Government Operated Trustee, State
 Property Defaulted Back to Government Unknown
 Brownfields/Public

- Operational Status: Active Inactive Unknown Blank
Native American Interest: Yes No

Non-NPL Status (Choose one):

- Not a Valid Site or Incident Not a Valid Site or Incident: NRC Lead
 Not a Valid Site or Incident: RCRA Lead Not a Valid Site or Incident: State Lead
 Not a Valid Site or Incident: Tribal Lead

Add Action: OU_00

PRE-CERCLIS SCREENING: Planned Complete: ____/____/____

Actual Complete: ____/____/____

Lead code (choose one)

- F-EPA Fund Financed FF - Federal Facility S - State, Fund Financed

SCAP Note: _____

Add below Action (if No Further Action):

OU_00 Lead: EP

PRE-CERCLIS ARCHIVE Actual Complete: ____/____/____

SCAP Note: _____

Comments: Site or Action: _____

Signatures: _____

States: Cal Date: 7/18/13 RPM/OSC/SAM: _____ Date ____/____/____

Site Type: (Choose all that apply - for every main category chosen in bold at least one sub-category must be selected; if more than one main and sub-category is selected indicate which is primary):

Primary Designation: OT

MP-Manufacturing/Processing/Maintenance - Applicable sub-categories:

- CA-Chemicals and allied products
- CG-Coal gasification
- CP-Coke production
- EP-Electric power generation and distribution.
- FT-Fabrics/textiles
- EE-Electronic/electrical equipment
- LW-Lumber and wood products/pulp and paper
- WP-Lumber and wood products/wood preserving/preserving/treatment
- MF-Metal fabrication/finishing/coating and allied industries
- OR-Oil and gas refining
- OP-Ordnance production
- PR-Plastics and rubber products
- PM-Primary metals/mineral processing
- RA-Radioactive products
- TA-Tanneries OT-Other-Description(needed): _____
- TS-Trucks/ships/trains/aircraft and related components

MI-Mining - Applicable sub-categories

- CO-Coal ME-Metals NM-Non-metal minerals
- OG-Oil and Gas OT-Other-Description(needed): _____

WM-Waste Management - Applicable sub-categories

- CL-Co-disposal landfill (municipal and industrial)
- ID-Illegal disposal/open dump
- IF-Industrial waste facility (non-generator)
- MD-Mine tailings disposal OT-Other-Desc.(needed): _____
- ML-Municipal solid waste landfill
- RW-Radioactive waste treatment, storage, disposal (non-generator)

OT-Other - Applicable sub-categories

- AG-Agricultural (e/g., grain elevator)
- CS-Contaminated sediment site with no identifiable source
- DC-Dust control OT-Other-Desc (needed): Dog race track
- GP-Ground water plume site with no identifiable source
- MO-Military/Other Ordinance
- PS-Product Storage/distribution
- RD-Research,development,and testing facility
- RC-Retail/commercial
- SE-Spill or other one-time event
- TP-Transportation (e.g., railroad yards, airport, barge docking, site)
- TW-Treatment works/septic tanks/other sewage treatment

RE-Recycling - Applicable sub-categories

- AT-Automobiles/tires DT-Drums/tanks WO-Waste/used
- BS-Batteries/scrap metals/secondary smelting/precious metal recovery
- CC-Chemicals/chemical waste (e.g., solvent recovery)
- OT-Other-Description(needed): _____



**REGION VII
U.S. ENVIRONMENTAL PROTECTION AGENCY**

ENFORCEMENT SENSITIVE INFORMATION
FOR INTERNAL USE ONLY

LOCATION FORM - (Required information highlighted in red)

SITE NAME: Waterloo Greyhound Park, Waterloo

EPA ID: _____

Latitude: 42.4629 Longitude: -92.4077
(Decimal Degree format)

Measurement Sequence: _____
(See Comment A)

- Lat/Long Source: Contractor EPA Headquarters (Blank)
 Dun & Bradstreet Epic
 EPA Region 7 Other
 Geograph Private
 Other Federal Agency SNAP
 Regulated Entity Tribe
 State Unknown
- Designate Lat/Long: Primary NPL Coordinate

- Collection Method: Address Matching -House Number Address Matching - Block Face Address Matching - Street Centerline
 Address Matching -Nearest Intersection Address Matching - Primary Name Address Matching - Digitized
 Address Matching - Other Census Block - 1990 - Centroid Census Block/Group 1990-Centroid
 Census Block/Tract - 1990 - Centroid Classical Surveying Techniques Census - Other
 GPS Carrier Phase Static Relative Position GPS Carrier Phase Kinematic Relative Position GPS, with Canadian Active Control System
 GPS Code (Pseudo Range) Differential GPS Code (Pseudo Range) Precise Position GPS Code (Pseudo Range) Standard Position (SA-Off)
 GPS Code (Pseudo Range) Standard Position Service SA-On GPS-Unspecified Interpolation-Digital Map Source (TIGER)
 Interpolation-Map Interpolation -MSS Interpolation -Photo Interpolation - Satellite Interpolation - SPOT
 Interpolation-TM Interpolation - Other LORAN C Public Land Survey-Eighth Section Public Land Survey-Footing
 Public Land Survey-Quarter Section Public Land Survey-Section Public Land Survey-Sixteenth Section
 ZIP+2 Centroid ZIP+4 Centroid ZIP Code - Centroid Unknown

- Reference Point: Administrative Building Air Monitoring Station Air Release Stack Air Release Vent
 Atmos. Emissions Trtmt Unit Boundary Point Building Entrance Facility/Centroid Cent Facility/Station Bldg Entrance
 Intake Point Lagoon or Settling Pond Liquid Waste Treatment Unit Loading Area Centroid Loading Facility
 Monitoring Point NE Corner of Land Parcel NW Corner of Land Parcel Other Plant Entrance (Freight)
 Plant Entrance (General) Plant Entrance (Personnel) Process Unit Area Centroid Process Unit SE Corner of Land Parcel
 Solid Waste Storage Area Solid Waste Trtmt/Disp. Unit Storage Tank SW Corner of Land Parcel Unknown
 Water Monitoring Station Water Release Pipe Well Well Protection Area Release Point Treatment/Storage Plant

Reference Datum: NAD27 NAD83 Other Unknown WGS84

Accuracy Meters +/-: _____ Accuracy Unknown Collection Date: 07/17/2013

- Verification Method: Ground Truth Conducted Point In Polygon (County) Blank
 Point in Polygon (Zip) Proximity to Alternative Facility Coordinate Not Verified
 Proximity to Polygon Centroid(Other) Proximity to Polygon Centroid (Zip Code)
 Verified Relative to Map Features (1:100K/Tiger) Verified Relative to Map Features (1:24K)
 Verified Relative to Map Features (Other) Verified, Unknown Method
 Proximity to Polygon Centroid (County) Point in Polygon (Other)

Point/ Line/ Area: AREA LINE POINT REGION ROUTE (BLANK)

Source Map Scale: 1:10,000 1:12,000 1:15,840 1:20,000 1:24,000 1:25,000 1:50,000
 1:62,500 1:63,360 1:100,000 1:125,000 1:250,000 1:500,000 NONE UNKNOWN
 OTHER _____

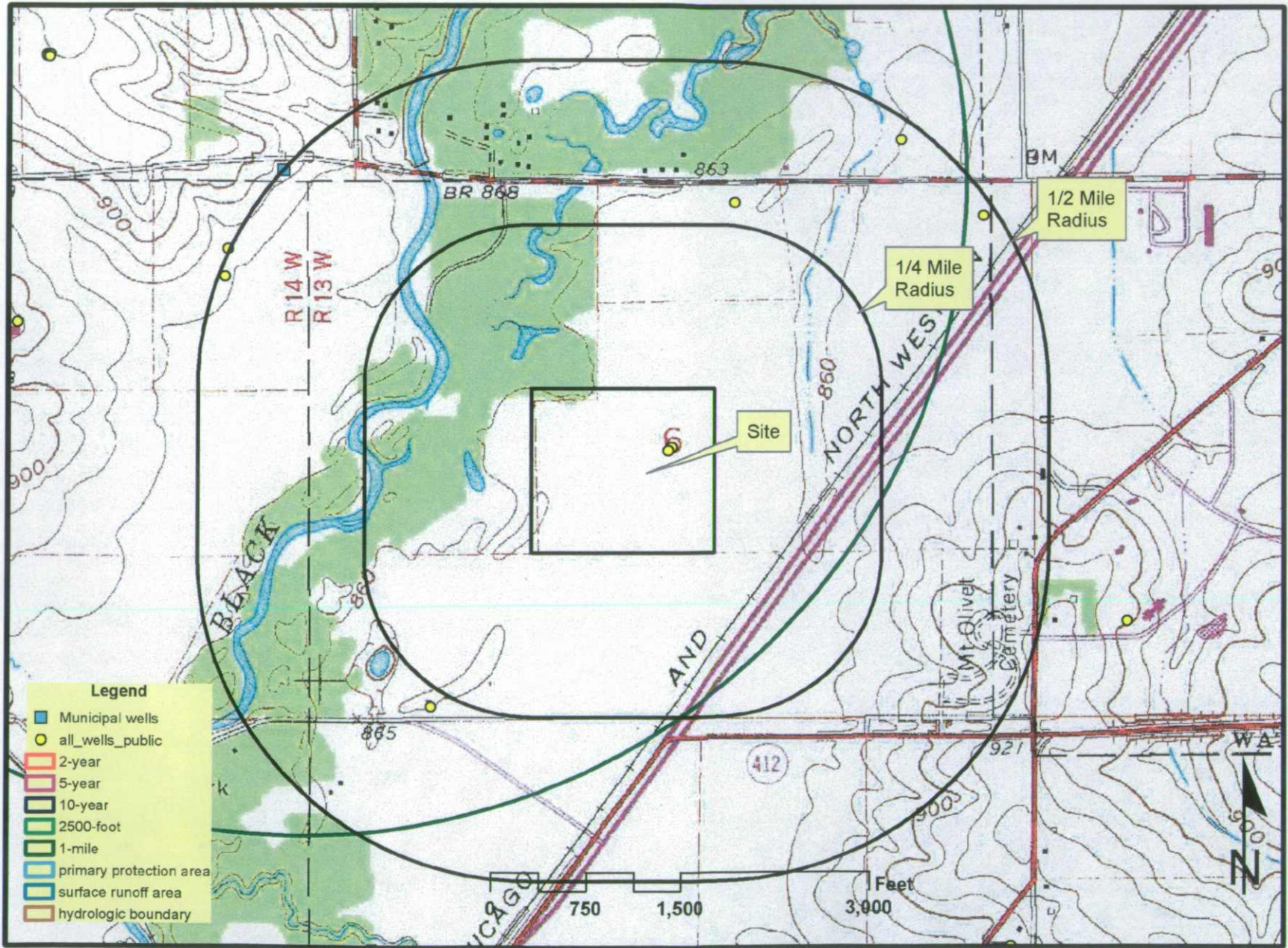
COMMENTS: _____

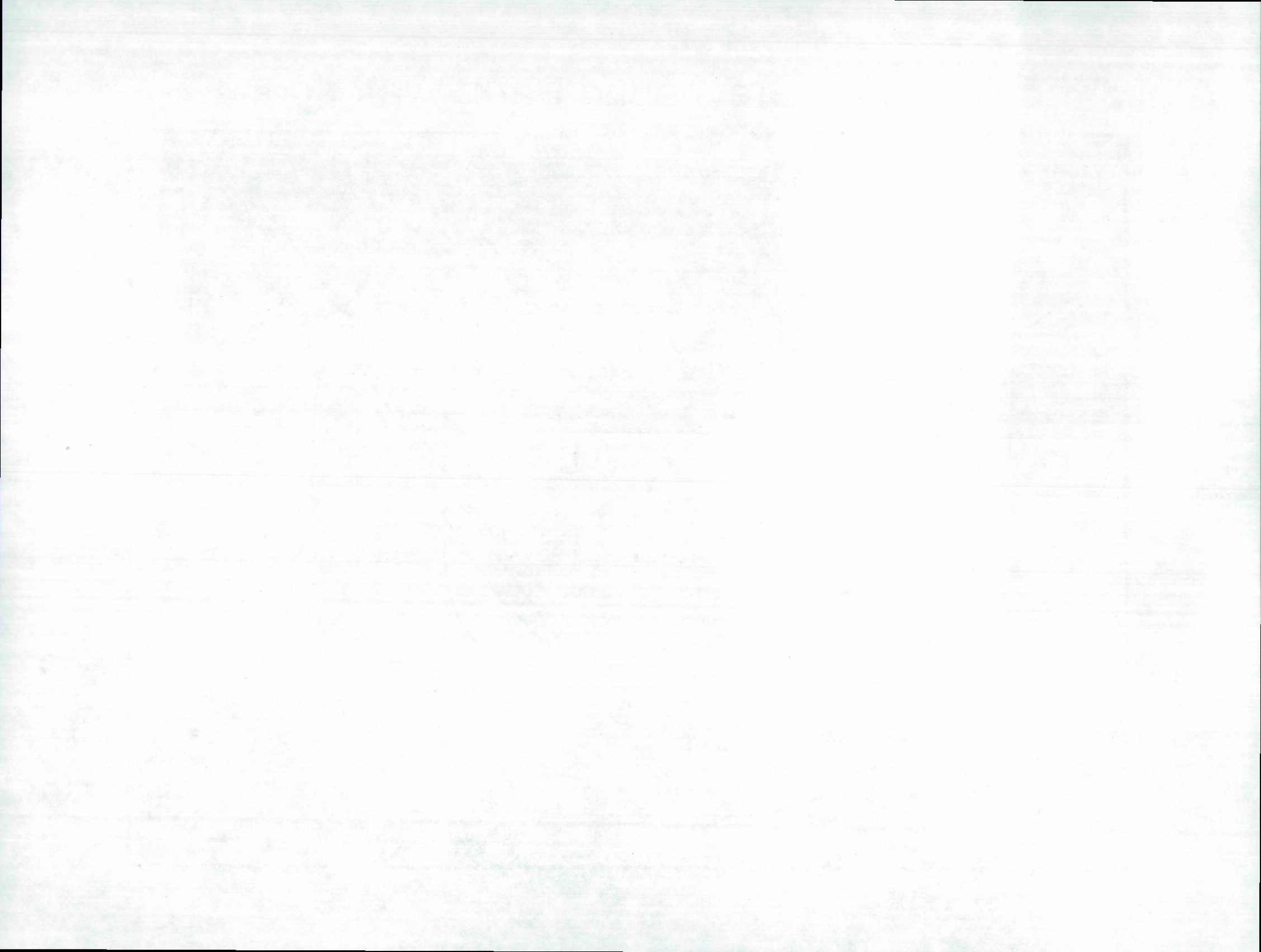
Signatures: _____

RPM/OSC: _____ Date: ____/____/____ BRANCH CHIEF: _____ Date: ____/____/____

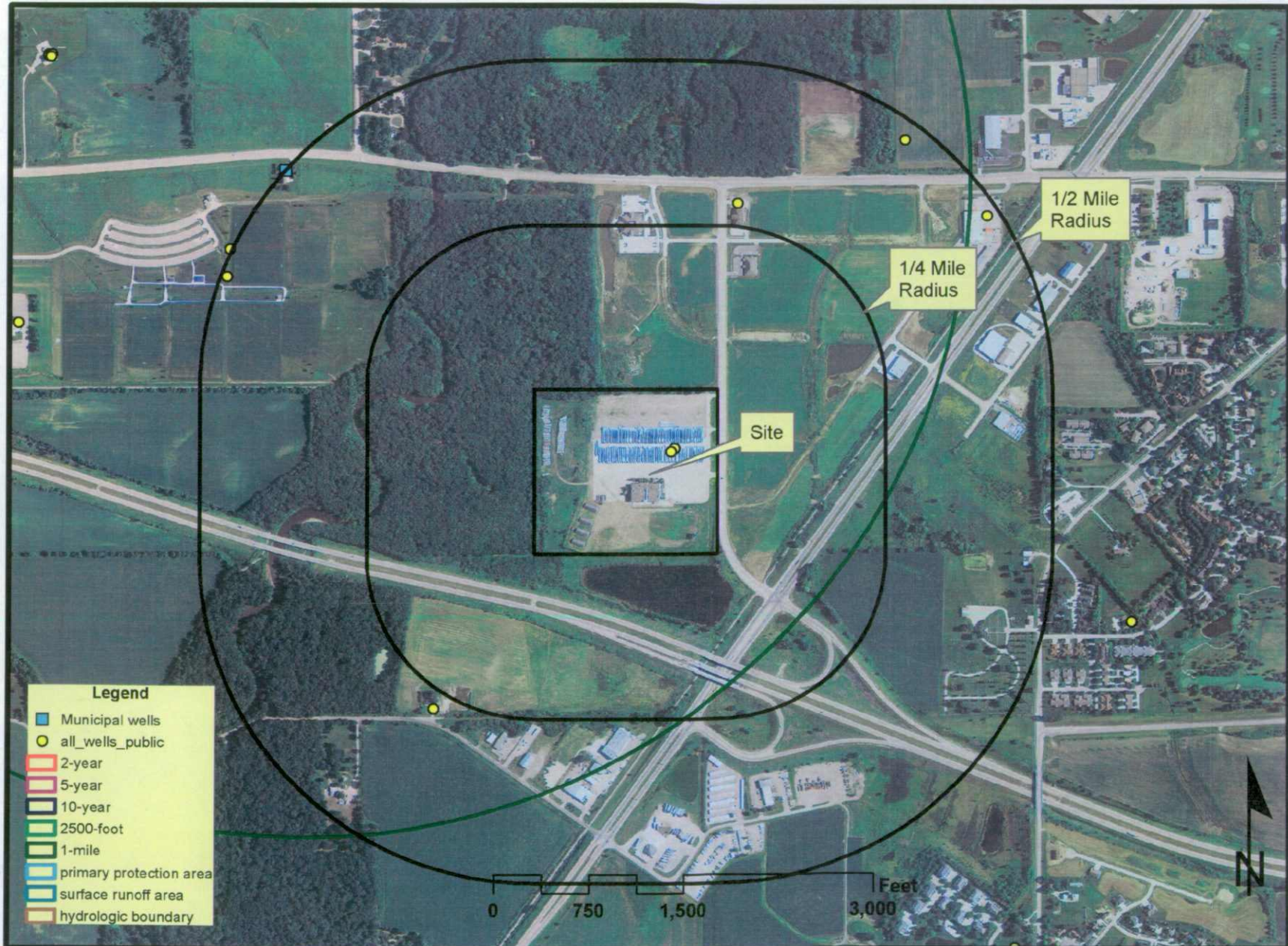
A) A sequential number to indicate the order in which points on a line or area are connected. For an area, the maximum point is connected to the first. Required if the feature is polygonal or linear 3 numeric.

Waterloo Greyhound Park, Waterloo





Waterloo Greyhound Park, Waterloo



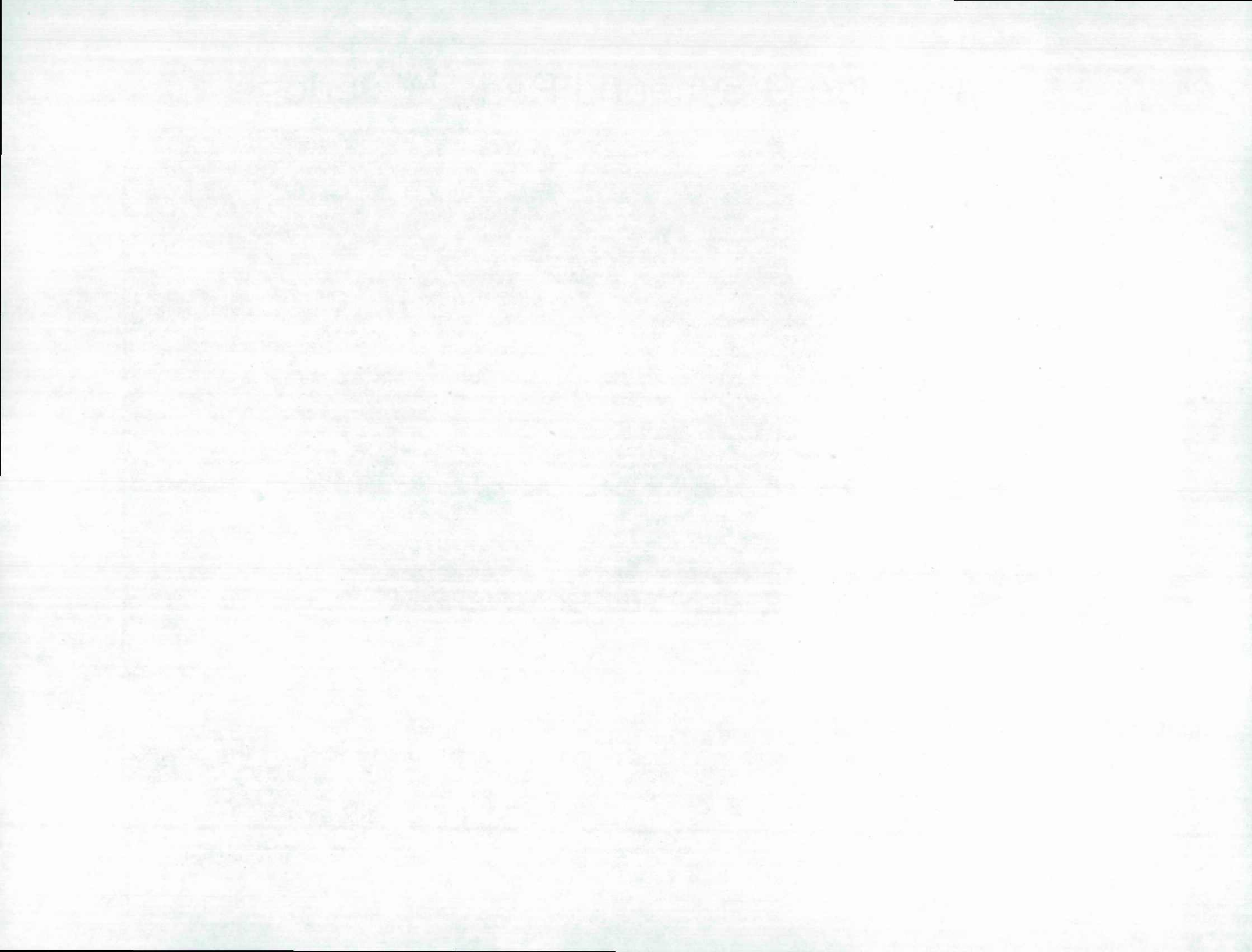


Figure 1
Phase II Study
 3250 Greyhound Drive
 Waterloo, Black Hawk County, Iowa



scale	1"=200'
drawn by	MAX
date	4/29/15

Phase II Study Figure 1
 3250 Greyhound Drive

VJ Engineering
 1501 Technology Parkway
 Cedar Falls, Iowa - 319-266-5829



138010



TEST PIT #2 OIL DRUM mixed with garbage

TEST PIT #3 2-5 gallon paint containers (full) motor oil and paint thinner containers

TEST PIT #4 and #5 Spray Paint Cans and Railroad Ties

TEST PIT #6 Railroad Ties

TEST PIT #7 Gasoline/Solvents

TEST PIT #8 Gasoline Smell/55 gallon oil drum and car batteries

TEST PIT #21 Demolition Debris

FIGURE 2: SITE PLAN MAP

APPROXIMATE SCALE: 1"=250'

133033



vj engineering
2570 holiday road
coralville, iowa - 319-338-4939

WATERLOO GREYHOUND PARK
3250 GREYHOUND DRIVE
WATERLOO, IOWA

scale
AS NOTED
drawn by
JEG
date
02/28/13

