

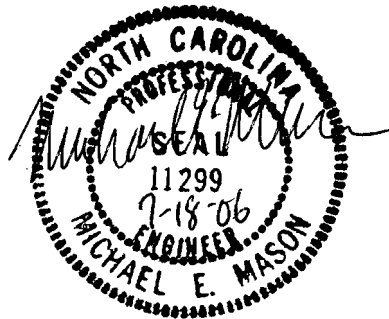
**MANAGEMENT RECOMMENDATIONS REPORT
UNDERGROUND STORAGE TANK MANAGEMENT PROGRAM**

**SECOND SEMESTER 2005/FIRST SEMESTER 2006
(JULY 2005 – JUNE 2006)**

**MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA**

July 18, 2006

**Contract No. N62470-01-D-3009
Delivery Order No. 0128
CATLIN Project No. 204-080**



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Appendix A Second Semester 2006/First Semester 2007 - Proposed Monitoring Plan

EXECUTIVE SUMMARY

A. Introduction

The purpose of this *Management Recommendations Report* is to provide recommendations to MCB Camp Lejeune Environmental Quality Branch (EQB), Environmental Management Division (EMD) managers responsible for making decisions regarding leaking underground storage tank (UST) and above ground storage tank (AST) incidents at MCB Camp Lejeune. The recommendations are based on recent monitoring data collected in accordance with the *Monitoring Plan* and presented in the *Annual Management Report* and procedures outlined in the *Program Strategy* adopted for the *MCB Camp Lejeune UST Management Program*.

This *Management Recommendations Report* is designed to contain recommendations only. Data, findings, and conclusions in support of the recommendations are contained in the corresponding *Annual Management Report* covering the same reporting period.

B. Index of Sites

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AS-4158	10804	MCAS New River	2.0
AS-840	Not Applicable	MCAS New River	3.0
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C. Glossary of Abbreviations

2L	North Carolina Administrative Code; Title 15A Department of Environment, Health, and Natural Resources; Division of Water Quality. Subchapter 2L, Classifications and Water Quality Standards Applicable to the Groundwaters of North Carolina; NCAC T15A: 2L.0202
AFVR	Aggressive Fluid Vapor Recovery
AS	Air Sparging
AST	Aboveground Storage Tank
BLS	Below Land Surface
BQL	Below Quantitation Limits
BS	Biosparging
BV	Bioventing
CAP	Corrective Action Plan
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CSA	Comprehensive Site Assessment
DPE	Dual-Phase Extraction
DWQ	Division of Water Quality
EAD	Environmental Affairs Department, Facilities Directorate, Marine Corps Air Station Cherry Point, North Carolina
EDB	Ethylene Dibromide
EDD	Electronic Data Deliverables
EPA	Environmental Protection Agency
EPH	Extractable Petroleum Hydrocarbons
GCL	Gross Contamination Level
GC	Gas Chromatograph
Guidelines - Non-USTs	Groundwater Section Guidelines for the Investigation and Remediation of Soil and Ground Water; State of North Carolina, Department of Environment and Natural Resources, Division of Water Quality, Groundwater Section; July 2000.

Guidelines - USTs	Guidelines for Assessment and Corrective Action; State of North Carolina, Department of Environment and Natural Resources, Division of Waste Management, UST Section; April 2001.
IPE	Isopropyl Ether
L.G.	Licensed Geologist
LANTDIV	Atlantic Division, Naval Facilities Engineering Command
MADEP	Massachusetts Department of Environmental Protection
MCALF	Marine Corps Auxiliary Landing Field
MCAS	Marine Corps Air Station
MCOLF	Marine Corps Outlying Landing Field
MDL	Method Detection Limit
mg/Kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
MMPE	Mobile Multi-Phase Extraction
MSCC	Maximum Soil Contaminant Concentration
MTBE	Methyl Tertiary Butyl Ether
NC	North Carolina
NCAC	North Carolina Administrative Code
NCDENR	North Carolina Department of Environment and Natural Resources
NOV	Notice of Violation
P.E.	Professional Engineer
PAH	Polynuclear Aromatic Hydrocarbons
RAC	Remedial Action Contractor
RFP	Request for Proposal
SVE	Soil Vapor Extraction
SVOC	Semi-Volatile Organic Compounds
SW	Surface Water
TPH	Total Petroleum Hydrocarbons

ug/Kg	Micrograms per Kilogram
ug/L	Micrograms per Liter
UST	Underground Storage Tank
VOC	Volatile Organic Compounds
VPH	Volatile Petroleum Hydrocarbons

SECTION 1.0

Of The

MANAGEMENT RECOMMENDATIONS REPORT

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM

SECOND SEMESTER 2005/FIRST SEMESTER 2006
(JULY 2005 – JUNE 2006)

SITE-SPECIFIC MANAGEMENT RECOMMENDATIONS REPORT
FOR

SITE AS-4141

1.0 SITE AS-4141

1.1 Site Information

Location: MCAS New River, North Carolina

Incident No.: 3218

Estimated Land Use Classification: Industrial/Commercial

Estimated Risk Classification: Intermediate

Source Type(s): JP-5

Free Product: Yes

1.2 Monitoring Schedule for this Event

Well gauging and sampling completed by Shaw Environmental, Inc. (Shaw) for the Second Semester 2005/First Semester 2006.

1.3 Recommended Monitoring Schedule Modifications

The recommended groundwater monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring events are scheduled to occur between October 1, 2006 and October 15, 2006 and between April 1, 2007 and April 15, 2007. The monitoring contractor for the next event will be Shaw.

Modifications to the schedule include:

- Add monitoring wells USTAS4141-MW07, USTAS4141-MW16, USTAS4141-MW17, USTAS4141-MW18, USTAS4141-MW19 and USTAS4141-RW01 to the monitoring schedule.

1.4 Site Remediation Method

Currently AFVR techniques are being implemented and performed on an as needed basis when free-phase product thickness is measured to be equal to or greater than 0.1 feet in the on-site recovery wells.

1.5 Recommended Remediation Modifications

CATLIN submitted a Remedial Action Optimization and Revised Corrective Action Plan Addendum Report (RAO & RCAPA) for the AS-4141 site on June 12, 2006. This report recommended a pilot test be conducted to obtain data to effectively design the Dual Phase Extraction (DPE) system which was chosen as the remediation technology for recovery of the free-phase product at the subject site.

1.6 Recommended Steps Toward Site Closure

A reduction in the temporarily assigned risk ranking from "Intermediate" to "Low" is dependent upon removal of the free product from this site. Once free product is removed from the subject site a reclassification to Low risk should be achievable. Upon reclassification, the Gross Contamination Levels (GCLs) would be applicable and if contaminant levels are below the GCLs, No Further Action (NFA) with Land Use Restriction (LUR) should be requested.

Until NFA is requested selected on-site monitoring wells should be sampled on a semi-annual basis per EPA Methods 8260, 8270 and 6010B. CATLIN recommends the samples collected per EPA Method 6010B analysis be obtained utilizing low-flow sampling techniques.

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MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM

SECOND SEMESTER 2005/FIRST SEMESTER 2006
(JULY 2005 – JUNE 2006)

SITE-SPECIFIC MANAGEMENT RECOMMENDATIONS REPORT
FOR

SITE AS-4158

2.0 SITE AS-4158

2.1 Site Information

Location: MCAS New River, North Carolina

Incident No.: 10804

Estimated Land Use Classification: Industrial/Commercial

Estimated Risk Classification: High

Source Type(s): Gasoline and Diesel Fuel

Free Product: None during July 2005 gauging event, historically yes

2.2 Monitoring Schedule for this Event

Well gauging and sampling completed by Engineering and Environment, Inc. (EEI) for the Second Semester 2005/First Semester 2006.

2.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between July 1, 2006 and July 31, 2006. The monitoring contractor for the next event will be Shaw.

Modifications to the schedule include:

- Modify monitoring frequency from annual to quarterly.
- Add monitoring well USTAS4158-MW02 to the sampling schedule.
- Remove monitoring wells USTAS4158-MW01, USTAS4158-MW03, USTAS4158-MW04, USTAS4158-MW05, USTAS4158-MW06, USTAS4158-MW15, USTAS4158-MW16, USTAS4158-MW17 and USTAS4158-MW18 from the sampling schedule.

2.4 Site Remediation Method

An AS/SVE system was installed at this site and began operation in April 1998. It is CATLIN's understanding that the system operated until January 2006 at which time it was shutdown to facilitate site closure.

2.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

2.6 Recommended Steps Toward Site Closure

A reduction in the assigned risk ranking from "High" to "Low" will only be achievable if potable supply well PSWAS4150 is abandoned. Currently, there are no plans to abandon this well, however it is understood that this potable supply well is currently not in use and there are no immediate plans to bring this supply well on-line.

As a High risk classification is applicable at the subject site, the 2L GWQS are applicable. Analytical data collected in July 2005 indicated no contaminant concentrations above the 2L GWQS. It is CATLIN's understanding that the site has not been sampled since the remediation system was shutdown in January 2006. CATLIN recommends that quarterly sampling be initiated per EPA Method 601 (Trihalomethanes), EPA 602 + MTBE, EPA Method 625 (PAH Only) and EPA Method 6010B (Lead Only) for on-site monitoring wells as shown on Figure 2 in Appendix A. If results from the first quarterly event indicated exceedances of the 2L GWQS, the monitoring frequency should be reduced to annually and the need to restart the remediation system should be evaluated. If four quarters of analytical results indicate compliance with the 2L GWQS, a request for NFA should be submitted to the NCDENR.

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SECOND SEMESTER 2005/FIRST SEMESTER 2006
(JULY 2005 – JUNE 2006)

SITE-SPECIFIC MANAGEMENT RECOMMENDATIONS REPORT
FOR

SITE AS-840

3.0 SITE AS-840

3.1 Site Information

Location: MCAS New River, North Carolina
Incident No.: Pending
Estimated Land Use Classification: Not Applicable
Estimated Risk Classification: Not Applicable
Source Type(s): Diesel Fuel
Free Product: Yes

3.2 Monitoring Schedule for this Event

Well gauging and sampling completed by Sovereign for the Second Semester 2005/First Semester 2006.

3.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between July 1, 2006 and July 31, 2006. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Implementing quarterly sampling of eight on-site monitoring wells.
- Removing MADEP VPH/EPH from the analytical list per the approval of NCDENR Aquifer Protection Section (APS) personnel.

3.4 Site Remediation Method

The CAP submitted by CATLIN on April 28, 2005 recommended excavation, application of Oxygen Release Compound (ORC) and natural attenuation as the remediation approach. The soil excavation and application of ORC was completed in May 2006. Natural attenuation is on-going at the subject site.

3.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

3.6 Recommended Steps Towards Site Closure

As excavation activities have been completed, quarterly groundwater sampling of on-site monitoring wells should be conducted per EPA Methods 602 and 625 for one year. After the first year of sampling, the monitoring frequency should be reduced to semi-annual until all contaminants are below the 2L GWQS for at least one year.

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MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM

SECOND SEMESTER 2005/FIRST SEMESTER 2006
(JULY 2005 – JUNE 2006)

SITE-SPECIFIC MANAGEMENT RECOMMENDATIONS REPORT
FOR

SITE Campbell Street Fuel Farm/AS-4151

4.0 SITE Campbell Street Fuel Farm/AS-4151

4.1 Site Information

Location: MCAS New River, North Carolina

Incident No.: 23297

Estimated Land Use Classification: Industrial/Commercial

Estimated Risk Classification: Intermediate

Source Type(s): JP-5, AVGAS, Gasoline (Fuel Farm/AS143),
No.6 Fuel Oil, Waste Oil (AS4151)

Free Product: Yes

4.2 Monitoring Schedule for this Event

Well gauging completed by EEI and Sovereign for the Second Semester 2005/First Semester 2006.

4.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between July 1, 2006 and July 31, 2006. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Continuing monthly gauging of the following five on-site monitoring wells: USTCSFF-MW03, USTCSFF-MW04, USTCSFF-13, USTCSFF-16 and USTCSFF-17.
- Removing all other on-site monitoring wells from the monthly gauging schedule.

4.4 Site Remediation Method

A pump and treat remediation system was operated at the subject site. AFVR events were also conducted on select monitoring wells containing free product. The system was shutdown on July 11, 2005 to facilitate site closure. After discovery of free product in USTCSFF-MW13 in April 2006, hand bailing of free product from this well has been conducted.

4.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach at this time. However, if free product persists in monitoring well USTCSFF-MW13 the need to implement active free product recovery, such as AFVR, should be evaluated.

4.6 Recommended Steps Toward Site Closure

In a previously reference letter by NCDENR UST Section dated June 28, 2005, it was recommended the site be gauged monthly for a period of one year to document the absence of free-phase product following the deactivation of the pump and treat system. CATLIN has been provided gauging data for 10 of the 12 months within this one year period (May and June 2006 gauging data not provided at time of writing of this report). The gauging data provided indicated no measurable free product in any of the on-site monitoring wells except for USTCSFF-MW13.

CATLIN recommends that monitoring well USTCSFF-MW13 continue to be gauged monthly and free product removal via AFVR as needed. Also, the shallow monitoring wells in the immediate vicinity of this well should also continue to be gauged monthly. After six months of gauging data has been collected the site should be re-evaluated.

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SECOND SEMESTER 2005/FIRST SEMESTER 2006
(JULY 2005 – JUNE 2006)

SITE-SPECIFIC MANAGEMENT RECOMMENDATIONS REPORT
FOR

SITE Rapid Refueler

5.0 SITE Rapid Refueler

5.1 Site Information

Location: MCAS New River, North Carolina

Incident No.: 5668

Estimated Land Use Classification: Industrial/Commercial

Estimated Risk Classification: Intermediate, due to the Presence of Free Product

Source Type(s): JP-5

Free Product: Yes

5.2 Monitoring Schedule for this Event

Well gauging and sampling completed by Shaw and Sovereign for the Second Semester 2005/First Semester 2006.

5.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between April 1 and April 15, 2007. The monitoring contractor for the next event will be Shaw.

5.4 Site Remediation Method

The remediation approach at the subject site consists of free product recovery wells, free product recovery trenches, AFVR and MMPE.

5.5 Recommended Remediation Modifications

A Draft RAO & RCAP was submitted by CATLIN in April 2006. Additional remedial system modifications are currently being evaluated.

5.6 Recommended Steps Toward Site Closure

A reduction in the temporarily assigned risk ranking from "Intermediate" to "Low" is dependent upon removal of the free product from this site. Once free product is removed from the subject site a reclassification to Low risk should be achievable. Upon reclassification, the Gross Contamination Levels (GCLs) would be applicable and if contaminant levels are below the GCLs, No Further Action (NFA) with Land Use Restriction (LUR) should be requested.

Until NFA is requested selected on-site monitoring wells should be sampled on an annual basis per EPA Methods 602, 610 (+ 2-Methylnaphthalene) and MADEP VPH/EPH.

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SECOND SEMESTER 2005/FIRST SEMESTER 2006
(JULY 2005 – JUNE 2006)

SITE-SPECIFIC MANAGEMENT RECOMMENDATIONS REPORT
FOR

SITE 1613

6.0 SITE 1613

6.1 Site Information

Location: MCB Camp Lejeune, North Carolina
Incident No.: 20660
Estimated Land Use Classification: Residential
Estimated Risk Classification: Low
Source Type(s): Gasoline
Free Product: No

6.2 Monitoring Schedule for this Event

Well gauging and sampling completed by Shaw for the Second Semester 2005 and Sovereign for the First Semester 2006.

6.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between April 1, 2008 and April 15, 2008. The monitoring contractor for the next event is unknown at this time.

Modifications to the schedule include:

- Implementing biennial sampling of ten on-site monitoring wells.

6.4 Site Remediation Method

An AS/SVE system was installed and operated on-site from November 1998 until June 2004, at which time the system was shutdown to facilitate site closure.

6.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach at this site.

6.6 Recommended Steps Toward Site Closure

As this site has been classified as Low Risk and Residential Land Use and no contaminant concentrations are above any of the established GCLs, NFA with LURs could be requested. However, it is understood that select groundwater monitoring wells at this site will be sampled biennial (once every other year) in an attempt to close the site without LURs. CATLIN recommends continuing with the sample approach for this site.

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MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM

SECOND SEMESTER 2005/FIRST SEMESTER 2006
(JULY 2005 – JUNE 2006)

SITE-SPECIFIC MANAGEMENT RECOMMENDATIONS REPORT
FOR

SITE 45/S941

7.0 SITE 45/S941

7.1 Site Information

Location: MCB Camp Lejeune, North Carolina

Incident No.: 22890

Estimated Land Use Classification: Industrial/Commercial

Estimated Risk Classification: Intermediate

Source Type(s): Gasoline and Diesel Fuel

Free Product: No

7.2 Monitoring Schedule for this Event

Well gauging and sampling completed by EEI for the Second Semester 2005 and Sovereign for the First Semester 2006.

7.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring events are scheduled to occur between October 1 and October 31, 2006 and April 1, 2007 and April 15, 2007. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Only the following shallow monitoring wells should be sampled on a semi-annual basis: UST45/S941-MW13, UST45/S941-MW14, UST45/S941-MW15, UST45/S941-MW16, UST45/S941-MW21, UST45/S941-MW01/45 and UST45/S941-MW04/45.
- The following deep monitoring wells should be sampled on an annual basis: UST45/S941-MW06, UST45/S941-MW09 and UST45/S941-MW21.
- For the shallow and deep monitoring wells modify the analytical method list from; EPA Method 602, EPA Method 625, and EPA Method 6020 to EPA Method 8260, EPA Method 8270, and EPA Method 6010A.

7.4 Site Remediation Method

J. A. Jones Environmental Services Company (JA Jones) installed an AS/SVE treatment system in 1998 and began operation of the system on April 16, 1998.

Although free product was not identified as part of the CAP, AFVR treatment events were performed at wells with free-phase product, including UST45-PW-1, UST45-MW-2 and UST45-MW-3 between April 9, 1999 and December 13, 2001. A total of 426 gallons of free-phase product was reportedly removed during this time period.

To CATLIN's knowledge additional AFVR events have not been conducted since December 13, 2001.

7.5 Recommended Remediation Modifications

A Draft RAO & RCAP submitted by CATLIN on July 11, 2006 recommended shutdown of the AS/SVE system immediately upon plan approval by appropriate State authorities.

7.6 Recommended Steps Toward Site Closure

The groundwater remediation goals for the subject site are the 2L GWQS. The current monitoring schedule will assess any rebound in the shallow monitoring wells subsequent to shutdown of the AS/SVE system. If contaminant levels remain below the 2L GWQS for four consecutive events shallow groundwater conditions should qualify for closure.

Deep groundwater contamination remains present in monitoring well UST45/S941-MW09. Concentrations have been less than 10 ug/L since July 14, 2004 for only benzene. Monitored natural attenuation is recommended for addressing the low levels of benzene. Groundwater samples are recommended to be collected from all deep UST monitoring wells on an annual basis. Upon completion of four sampling events with benzene concentrations less than 1.0 ug/L, the site should be reclassified as Low Risk and No Further Action should be pursued.

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SITE 645

8.0 SITE 645

8.1 Site Information

Location: MCB Camp Lejeune, North Carolina

Incident No.: 87556

Estimated Land Use Classification: Not Applicable

Estimated Risk Classification: Not Applicable

Source Type(s): Gasoline

Free Product: No

8.2 Monitoring Schedule for this Event

Well gauging and sampling completed by EEI, CATLIN and Sovereign for the Second Semester 2005 and First Semester 2006.

8.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring events are scheduled to occur between: July 1 and July 31, 2006; October 1 and October 31, 2006; January 1 and January 31, 2007 and April 1, 2007 and April 15, 2007. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Quarterly sampling of the following deep monitoring wells per EPA Method 602 analysis only; UST645-MW18, UST645-MW26, UST645-MW27, UST645-MW29, UST645-MW30 and UST645-MW32.
- Annual sampling of the following deep and shallow monitoring wells per EPA Method 601, EPA Method 602 and EPA Method 6020 (Lead); UST645-MW01, UST645-MW02, UST645-MW12, UST645-MW13, UST645-MW16, UST645-MW17, UST645-MW18, UST645-MW22, UST645-MW23, UST645-MW24, UST645-MW25, UST645-MW26, UST645-MW27, UST645-MW28, UST645-MW29, UST645-MW30, UST645-MW31 and UST645-MW32.

8.4 Site Remediation Method

A remediation system consisting of 14 vertical air sparge wells, four horizontal vapor extraction wells, and 21 soil vapor collection vent borings was installed in 1998 by J.A. Jones. Six of the 14 vertical sparge wells were installed to a depth of 80 feet BLS and eight of the 14 were installed to a depth of 50 feet BLS. The soil and groundwater treatment system was started on September 10, 1998. The system has reportedly operated continuously except during maintenance and sampling events.

8.5 Recommended Remediation Modifications

In the August 26, 2004 RAO & RCAP submitted by CATLIN it was recommended to shutdown the air sparge system from AS01 through AS04. The Draft RAO & RCAP Addendum submitted on July 7, 2006 reiterated this recommendation. No other modifications to the operation of the remediation system are recommended.

Based on the locations of the potable water supply wells HP-644 and HP-646 identified during the receptor survey, CATLIN recommends that MCB, Camp Lejeune deactivate and abandon these potable water supply wells as soon as possible. It is possible that wells HP-644 and HP-646 are contributing to the spread of contaminants at the 80 feet depth.

8.6 Recommended Steps Toward Site Closure

As the subject site is under the regulation of the Aquifer Protection Section, the applicable groundwater cleanup requirements are the 2L GWQS. Therefore, groundwater monitoring should continue until all contaminants are below the 2L GWQS for at least four consecutive quarters/events. Once this requirement is met, a request for NFA should be submitted to the NCDENR APS.

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system and evaluating the remediation system in relation to groundwater contamination at 50-feet. It is understood that potable well 623 was shut down on July 14, 2005. Results of the additional soil assessment, performed by Shaw, indicated that there appeared to be no soil contamination present on-site in excess of the most stringent State Action Level. In areas where the AS/SVE system had met the CAP goals, the system was shut down and a close out monitoring well sampling schedule was implemented. The results of the recommended four quarterly sampling events did not indicate dissolved contamination rebound and this portion of the AS/SVE system remain inactive. The portion of the AS/SVE system in the core of the dissolved contaminant plume remains active.

9.5 Recommended Remediation Modifications

CATLIN recommends utilizing the natural processes of attenuation and degradation to address dissolved contamination at 50-feet deep, in conjunction with the active AS/SVE system. An evaluation of this natural attenuation process is currently being conducted by CATLIN.

9.6 Recommended Steps Toward Site Closure

The applicable groundwater cleanup requirements for the subject site are the 2L GWQS. Therefore, groundwater should be sampled on a semi-annual basis from select on-site shallow monitoring wells until contaminant concentrations are at or below 2L GWQS for one consecutive year. At the conclusion of this one-year time frame, the currently active AS/SVE wells (2 through 4, 9 through 11, 15 through 20, 26 through 29 and 35 through 37) should be shut down. At that time, the shallow monitoring wells should be placed on a quarterly closeout-monitoring schedule for one year and lead per EPA Method 6020 (Prep Method 3030C) should be added to the analyte list. The groundwater samples collected for lead should be collected using low-flow sampling techniques. Upon completion of the closeout-monitoring with no exceedances of the 2L GWQS, the AS/SVE system should be evaluated for abandonment.

Final site closure will not be possible until contaminant levels in the 50-feet deep monitoring wells are reduced below the 2L GWQS for four consecutive quarters/events.

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SITE 900

10.0 SITE 900

10.1 Site Information

Location: MCB Camp Lejeune, North Carolina
Incident No.: 32126
Estimated Land Use Classification: Industrial/Commercial
Estimated Risk Classification: Low
Source Type(s): Diesel and/or Gasoline
Free Product: No

10.2 Monitoring Schedule for this Event

Well gauging and sampling completed by EEI for the Second Semester 2005 and Sovereign for the First Semester 2006.

10.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between April 1, 2008 and April 15, 2008. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Implementing biennial sampling of ten on-site monitoring wells.

10.4 Site Remediation Method

J. A. Jones installed an AS/SVE remediation system in June and July of 1999. The treatment system installed at the site consists of four air sparge and soil vent well pairs. The remediation system was started on July 20, 1999 and operated until it was shut down on June 1, 2004.

10.5 Recommended Remediation Modifications

The on-site remediation system has been shutdown. Natural attenuation and degradation is the only remediation approach currently occurring at the subject site. There are no recommended modifications to the current remediation approach.

10.6 Recommended Steps Toward Site Closure

As this site has been classified as Low Risk and Industrial/Commercial Land Use and no contaminant concentrations are above any of the established GCLs, NFA with LURs could be requested. However, CATLIN recommends that select groundwater

monitoring wells as illustrated on Figure 10 in Appendix A be sampled biennial (once every other year) in an attempt to close the site without LURs.

It should be noted that the detected chlorinated compounds are not related to on-site activities, rather from an adjacent IR site. Therefore, CATLIN does not recommend continued sampling for these compounds, thus EPA Method 601 analysis should be removed from the analytical list.

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FOR

SITE BB-190

11.0 SITE BB-190

11.1 Site Information

Location: MCB Camp Lejeune, North Carolina
Incident No.: 22793
Estimated Land Use Classification: Residential
Estimated Risk Classification: High
Source Type(s): Diesel Fuel
Free Product: No

11.2 Monitoring Schedule for this Event

Well gauging and sampling completed by Sovereign for the First Semester 2006.

11.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between April 1, 2007 and April 15, 2007. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Remove monitoring wells USTBB190-MW01, USTBB190-MW04, USTBB190-MW05, USTBB190-MW06, USTBB190-MW09, USTBB190-MW10, USTBB190-MW11, USTBB190-MW13 and USTBB190-MW14 from the gauging and sampling schedule.

11.4 Site Remediation Method

A SVE/biosparge remediation system was operated at the subject site. However, the system has been shutdown to facilitate site closure.

11.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

11.6 Recommended Steps Toward Site Closure

The High Risk classification will remain for this site as long as Potable Supply Well BB-47 remains active. Therefore, continued annual monitoring of the wells identified on Figure 11 in Appendix A is recommended per EPA Method 602, EPA Method 625 + TICs and MADEP VPH/EPH until all contaminants are below the 2L GWQS for four consecutive quarters/events.

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SITE BB-293

12.0 SITE BB-293

12.1 Site Information

Location: MCB Camp Lejeune, North Carolina

Incident No.: 32049

Estimated Land Use Classification: Industrial/Commercial

Estimated Risk Classification: High

Source Type(s): Waste Oil

Free Product: No

12.2 Monitoring Schedule for this Event

Well gauging and sampling completed by EEI for the Second Semester 2005 and Sovereign for the First Semester 2006.

12.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between October 1 and October 31, 2006. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Changing EPA Method 6020 analysis to EPA Method 6010B (Chromium and Lead Only).

12.4 Site Remediation Method

Natural attenuation is the remediation approach being utilized at the subject site.

12.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

12.6 Recommended Steps Toward Site Closure

The High Risk classification will remain for this site as long as the on-site supply well remains in use. Therefore, continued annual monitoring is recommended per the previous analytical methods. CATLIN recommends the samples collected per EPA Method 6010B be obtained using a modified low-flow sampling procedure as to help eliminate false-positives due to turbidity. Monitoring well USTBB293-MW05 was not sampled in October 2005 due to sediment build up in the well, according to EEI

this well has since been abandoned and replaced. This replacement well should be included in the next annual sampling event (October 2006). CATLIN further recommends, if no compounds are detected in excess of the 2L GWQS in October 2006 evaluate the site for closure.

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FOR

SITE H-28

13.0 SITE H-28

13.1 Site Information

Location: MCB Camp Lejeune, North Carolina

Incident No.: 23333

Estimated Land Use Classification: Residential

Estimated Risk Classification: Intermediate

Source Type(s): Fuel Oil

Free Product: Yes

13.2 Monitoring Schedule for this Event

Well gauging and sampling completed by EEI for the Second Semester 2005.

13.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next gauging event is scheduled to occur between July 1, 2006 and July 31, 2006. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Reduce sampling frequency from semi-annual to annual.
- Add monitoring wells USTH28-MW04 and USTH28-MW07 to the sampling schedule.
- Remove monitoring well USTH28-MW06 from the sampling schedule.

13.4 Site Remediation Method

Natural attenuation is the remediation approach being utilized at the subject site.

13.5 Recommended Remediation Modifications

Measurable free product (0.01') was detected in monitoring well USTH28-MW07 during the December 2005 monitoring event. If free product persists in this monitoring well the need for active free product recovery via AFVR should be evaluated.

13.6 Recommended Steps Toward Site Closure

A reduction in the temporarily assigned risk ranking from "Intermediate" to "Low" is dependent upon removal of the free product from this site. Once free product is removed from the subject site a reclassification to Low risk should be achievable.

Also, because Wallace Creek is located within 500 feet of the subject site (approximately 200 feet north) contaminant concentrations must be below 10 times the 2B Surface Water Standards in order to achieve a reduction in risk classification to Low risk.

Soil sampling conducted in 1999 indicated no soil contamination in the immediate vicinity of the former UST in excess of the Soil-to-Groundwater MSCCs. Therefore, no further soil assessment or remediation should be necessary at the subject site. The groundwater remediation goals set forth in the CAP were the 2L GWQS. As this site is a residential property, CATLIN recommends groundwater monitoring continue until contaminant levels are below the 2L GWQS for four consecutive quarters/events, at which time site closure should be requested.

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FOR

SITE LCH-4015

14.0 SITE LCH-4015

14.1 Site Information

Location: MCB Camp Lejeune, North Carolina

Incident No.: 85352

Estimated Land Use Classification: Not Applicable

Estimated Risk Classification: Not Applicable

Source Type(s): Gasoline, Diesel Fuel, No. 2 Fuel Oil

Free Product: No

14.2 Monitoring Schedule for this Event

Well gauging and sampling completed by EEI for the Second Semester 2005 and Sovereign for the First Semester 2006.

14.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring events are scheduled to occur between October 1, 2006 and October 31, 2006 and April 1 and April 15, 2007. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Reduce sampling frequency from quarterly to semi-annual.

14.4 Site Remediation Method

Current site remediation strategy is to reduce groundwater contaminants with 35 vertical biosparge wells and five horizontal SVE wells. This system has been in operation since November 1998.

14.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

14.6 Recommended Steps Toward Site Closure

As the subject site is under the regulation of the APS, the applicable groundwater cleanup requirements are the 2L GWQS. Therefore, semi-annual groundwater monitoring should continue until all contaminants are below the 2L GWQS for at least one year. After this one year period, the remediation system should be shutdown and quarterly groundwater sampling should be implemented to facilitate

site closure. After four consecutive quarters/events with no contaminant concentrations above the 2L GWQS, a request for NFA should be submitted to the NCDENR APS.

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FOR

SITE M-230

15.0 SITE M-230

15.1 Site Information

Location: MCB Camp Lejeune, North Carolina
Incident No.: 12677
Estimated Land Use Classification: Industrial/Commercial
Estimated Risk Classification: Low
Source Type(s): Fuel Oil
Free Product: No

15.2 Monitoring Schedule for this Event

Well gauging and sampling completed by EEI for the Second Semester 2005.

15.3 Recommended Monitoring Schedule Modifications

Site M-230 will not be monitored during the Second Semester 2006/First Semester 2007 as NFA was granted in March 2006 by the NCDENR.

15.4 Site Remediation Method

The remediation approach at the subject site was excavation and natural attenuation.

15.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

15.6 Recommended Steps Toward Site Closure

The NCDENR granted NFA in March 2006.

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FOR

SITE M-232-236

16.0 SITE M-232-236

16.1 Site Information

Location: MCB Camp Lejeune, North Carolina
Incident No.: 9593
Estimated Land Use Classification: Residential
Estimated Risk Classification: Intermediate
Source Type(s): Heating Oil
Free Product: Yes

16.2 Monitoring Schedule for this Event

Well gauging and sampling completed by EEI for the Second Semester 2005.

16.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next gauging event is scheduled to occur between July 1, 2006 and July 31, 2006. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Reduce sampling frequency from semi-annual to annual.
- Add monitoring wells USTM232-236-MW01, USTM232-236-MW03, USTM232-236-MW09 and USTM232-236-MW15 to the sampling schedule.

16.4 Site Remediation Method

The remediation approach at the subject site was excavation and on-going natural attenuation.

16.5 Recommended Remediation Modifications

If free product persists in monitoring well USTM232-236-MW19 evaluate the need to implement a more aggressive approach to product recovery such as AFVR.

16.6 Recommended Steps Toward Site Closure

A reduction in the temporarily assigned risk ranking from "Intermediate" to "Low" is dependent upon removal of the free product from this site. Once free product is removed from the subject site a reclassification to Low risk should be achievable. Also, because the New River is located within 500 feet of the subject site (approximately 450 feet west) contaminant concentrations must be below 10 times the 2B Surface Water Standards in order to achieve a reduction in risk classification

to Low risk. At the time when these above-stated conditions are met, a request for NFR with LUR should be submitted to the NCDENR.

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FOR

SITE PP-3326

17.0 SITE PP-3326

17.1 Site Information

Location: MCB Camp Lejeune, North Carolina
Incident No.: 24009
Estimated Land Use Classification: Residential
Estimated Risk Classification: Low
Source Type(s): Heating Oil
Free Product: No

17.2 Monitoring Schedule for this Event

Groundwater monitoring was not conducted at this site during the Second Semester 2005 or the First Semester 2006.

17.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between January 1 and January 31, 2007. The monitoring contractor for the next event needs to be determined.

Modifications to the schedule include:

- Collect one groundwater sample and analyze per EPA Method 610 and MADEP VPH/EPH.

17.4 Site Remediation Method

The remediation approach at the subject site was excavation and on-going natural attenuation of groundwater contaminants.

17.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

17.6 Recommended Steps Toward Site Closure

A Soil Cleanup Report with Site Closure Request was submitted to the NCDENR on March 1, 2006. On March 7, 2006 the NCDENR indicated this site would qualify for incident closure upon approval of the NRP/LUCAP documentation, which is currently in negotiation between the USMC and NCDENR.

Groundwater sampling was not conducted during the current monitoring period. However, groundwater samples collected from one temporary well in July 2002 indicated EPA Method 610 and MADEP compounds at concentrations above the 2L GWQS. However, as the levels of these contaminants were below the established GCLs and ten times their 2B Surface Water Standards, a Low Risk Classification is applicable at this site. Therefore, further remediation or investigation of groundwater is not necessary unless removal of the NRP/LUCAP is desired.

As groundwater has not been sampled at the subject site in several years, CATLIN recommends a groundwater sample be collected to determine if concentrations of the above-stated contaminants are below the 2L GWQS. If contaminant concentrations are below the 2L GWQS, a request for site closure should be submitted to the NCDENR.

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FOR

SITE PP-3330

18.0 SITE PP-3330

18.1 Site Information

Location: MCB Camp Lejeune, North Carolina

Incident No.: 24010

Estimated Land Use Classification: Residential

Estimated Risk Classification: Low

Source Type(s): Heating Oil

Free Product: No

18.2 Monitoring Schedule for this Event

Groundwater monitoring was not conducted at this site during the Second Semester 2005 or the First Semester 2006.

18.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between January 1 and January 31, 2007. The monitoring contractor for the next event needs to be determined.

Modifications to the schedule include:

- Collect one groundwater sample and analyze per EPA Method 610 and MADEP VPH/EPH.

18.4 Site Remediation Method

The remediation approach at the subject site was excavation and on-going natural attenuation of groundwater contaminants.

18.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

18.6 Recommended Steps Toward Site Closure

A Soil Cleanup Report with Site Closure Request was submitted to the NCDENR on March 1, 2006. On March 7, 2006 the NCDENR indicated this site would qualify for incident closure upon approval of the NRP/LUCAP documentation, which is currently in negotiation between the USMC and NCDENR.

Groundwater sampling was not conducted during the current monitoring period. However, groundwater samples collected from one temporary well in July 2002 indicated EPA Method 610 and MADEP compounds at concentrations above the 2L GWQS. However, as the levels of these contaminants were below the established GCLs and ten times their 2B Surface Water Standards, a Low Risk Classification is applicable at this site. Therefore, further remediation or investigation of groundwater is not necessary unless removal of the NRP/LUCAP is desired.

As groundwater has not been sampled at the subject site in several years, CATLIN recommends a groundwater sample be collected to determine if concentrations of the above-stated contaminants are below the 2L GWQS. If contaminant concentrations are below the 2L GWQS, a request for site closure should be submitted to the NCDENR.

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FOR

SITE PP-3332

19.0 SITE PP-3332

19.1 Site Information

Location: MCB Camp Lejeune, North Carolina
Incident No.: 24011
Estimated Land Use Classification: Residential
Estimated Risk Classification: Low
Source Type(s): Heating Oil
Free Product: No

19.2 Monitoring Schedule for this Event

Groundwater monitoring was not conducted at this site during the Second Semester 2005 or the First Semester 2006.

19.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between January 1 and January 31, 2007. The monitoring contractor for the next event needs to be determined.

Modifications to the schedule include:

- Collect one groundwater sample and analyze per EPA Method 610 and MADEP VPH/EPH.

19.4 Site Remediation Method

The remediation approach at the subject site was excavation and on-going natural attenuation of groundwater contaminants.

19.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

19.6 Recommended Steps Toward Site Closure

A Soil Cleanup Report with Site Closure Request was submitted to the NCDENR on March 1, 2006. On March 7, 2006 the NCDENR indicated this site would qualify for incident closure upon approval of the NRP/LUCAP documentation, which is currently in negotiation between the USMC and NCDENR.

Groundwater sampling was not conducted during the current monitoring period. However, groundwater samples collected from one temporary well in July 2002 indicated EPA Method 610 and MADEP compounds at concentrations above the 2L GWQS. However, as the levels of these contaminants were below the established GCLs and ten times their 2B Surface Water Standards, a Low Risk Classification is applicable at this site. Therefore, further remediation or investigation of groundwater is not necessary unless removal of the NRP/LUCAP is desired.

As groundwater has not been sampled at the subject site in several years, CATLIN recommends a groundwater sample be collected to determine if concentrations of the above-stated contaminants are below the 2L GWQS. If contaminant concentrations are below the 2L GWQS, a request for site closure should be submitted to the NCDENR.

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FOR

SITE PP-3350

20.0 SITE PP-3350

20.1 Site Information

Location: MCB Camp Lejeune, North Carolina

Incident No.: 24015

Estimated Land Use Classification: Residential

Estimated Risk Classification: Low

Source Type(s): Heating Oil

Free Product: No

20.2 Monitoring Schedule for this Event

Groundwater monitoring was not conducted at this site during the Second Semester 2005 or the First Semester 2006.

20.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between January 1 and January 31, 2007. The monitoring contractor for the next event needs to be determined.

Modifications to the schedule include:

- Collect one groundwater sample and analyze per EPA Method 610 and MADEP VPH/EPH.

20.4 Site Remediation Method

The remediation approach at the subject site was excavation and on-going natural attenuation of groundwater contaminants.

20.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

20.6 Recommended Steps Toward Site Closure

A Soil Cleanup Report with Site Closure Request was submitted to the NCDENR on March 1, 2006. On March 7, 2006 the NCDENR indicated this site would qualify for incident closure upon approval of the NRP/LUCAP documentation, which is currently in negotiation between the USMC and NCDENR.

Groundwater sampling was not conducted during the current monitoring period. However, groundwater samples collected from one temporary well in July 2002 indicated EPA Method 610 and MADEP compounds at concentrations above the 2L GWQS. However, as the levels of these contaminants were below the established GCLs and ten times their 2B Surface Water Standards, a Low Risk Classification is applicable at this site. Therefore, further remediation or investigation of groundwater is not necessary unless removal of the NRP/LUCAP is desired.

As groundwater has not been sampled at the subject site in several years, CATLIN recommends a groundwater sample be collected to determine if concentrations of the above-stated contaminants are below the 2L GWQS. If contaminant concentrations are below the 2L GWQS, a request for site closure should be submitted to the NCDENR.

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FOR

SITE S-2633

21.0 SITE S-2633

21.1 Site Information

Location: MCB Camp Lejeune, North Carolina
Incident No.: 20385
Estimated Land Use Classification: Industrial/Commercial
Estimated Risk Classification: Low
Source Type(s): Gasoline
Free Product: No

21.2 Monitoring Schedule for this Event

Well gauging and sampling completed by Sovereign for the First Semester 2006.

21.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next gauging events are scheduled to occur between July 1 and July 31, 2006 and January 1 and January 31, 2007. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Reduce gauging schedule to semi-annual and sampling schedule to biennial.

21.4 Site Remediation Method

The remediation approach at the subject site was to conduct AFVR events periodically. To CATLIN's knowledge these events are no longer being conducted at the subject site.

21.5 Recommended Remediation Modifications

The need to re-implement AFVR should be evaluated as contaminant concentrations were high during the January 2006 sampling event (Benzene 2850 ug/L and C5-C8 Aliphatics 17,000 ug/L).

21.6 Recommended Steps Toward Site Closure

CATLIN recommends groundwater sampling continue on a biennial basis until contaminant concentrations are below the 2L GWQS. Once contaminant concentrations are below the 2L GWQS, quarterly close-out monitoring should be conducted. If four quarters of groundwater sampling reveal contaminant

concentrations are below the 2L GWQS, a request for NFA should be submitted to the NCDENR.

SECTION 22.0
Of The
MANAGEMENT RECOMMENDATIONS REPORT
MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM

SECOND SEMESTER 2005/FIRST SEMESTER 2006
(JULY 2005 – JUNE 2006)

SITE-SPECIFIC MANAGEMENT RECOMMENDATIONS REPORT
FOR

SITE TT-2477-78

22.0 SITE TT-2477-78

22.1 Site Information

Location: MCAS Cherry Point, North Carolina

Incident No.: 7176

Estimated Land Use Classification: Residential

Estimated Risk Classification: Low

Source Type(s): Gasoline, Diesel Fuel, Hydraulic Fluid, Heating Oil, Waste Oil, Fuel Oil

Free Product: No

22.2 Monitoring Schedule for this Event

Well gauging and sampling completed by Shaw for the Second Semester 2005 and Sovereign for the First Semester 2006.

22.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur between April 1, 2008 and April 15, 2008. The monitoring contractor for the next event is unknown at this time.

Modifications to the schedule include:

- Implementing biennial sampling of approximately 30 on-site monitoring wells.

22.4 Site Remediation Method

Initially, 32 air sparge wells were installed to an approximate depth of 50 feet BLS, and 32 soil vapor extraction wells were installed to an approximate depth of 10 feet BLS. System operation began in October 1997. In April 2001, the system was extended by OHM Remediation Services an additional 80 feet south along Iwo Jima Boulevard and 150 feet west along Tarawa Boulevard through the addition of six AS/SVE well pairs constructed to the same details as the initial 32 well pairs. The remediation system was shutdown in July 2004 to facilitate site closure.

22.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

22.6 Recommended Steps Toward Site Closure

As this site has been classified as Low Risk and Residential Land Use and no contaminant concentrations are above any of the established GCLs, NFA with LURs

should be requested. However, CATLIN recommends that select (as illustrated on Figure 22 in Appendix A) groundwater monitoring wells at this site will be sampled biennial (once every other year) in an attempt to close the site without LURs.

SECTION 23.0

Of The

MANAGEMENT RECOMMENDATIONS REPORT

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM

SECOND SEMESTER 2005/FIRST SEMESTER 2006
(JULY 2005 – JUNE 2006)

SITE-SPECIFIC MANAGEMENT RECOMMENDATIONS REPORT
FOR

SITE TT-3548

23.0 SITE TT-3548

23.1 Site Information

Location: MCB Camp Lejeune, North Carolina

Incident No.: 23694

Estimated Land Use Classification: Residential

Estimated Risk Classification: Low

Source Type(s): No. 2 Fuel Oil

Free Product: No

23.2 Monitoring Schedule for this Event

Well gauging and sampling completed by CATLIN for the Second Semester 2005 and Sovereign for the First Semester 2006.

23.3 Recommended Monitoring Schedule Modifications

The recommended monitoring schedule for the Second Semester 2006/First Semester 2007 event is provided in Appendix A of this document. The next monitoring event is scheduled to occur immediately before the planned soil excavation. The monitoring contractor for the next event will be Sovereign.

Modifications to the schedule include:

- Sampling the one on-site monitoring well immediately before soil excavation per MADEP VPH/EPH only.

23.4 Site Remediation Method

Soil excavation and natural attenuation is the remediation approach being implemented at the subject site.

23.5 Recommended Remediation Modifications

There are no recommended modifications to the remediation approach.

23.6 Recommended Steps Toward Site Closure

Analytical data reported for July 2005 and January 2006 revealed no contaminant concentrations in excess of the 2L GWQS. CATLIN recommends the on-site monitoring well be sampled per MADEP VPH/EPH immediately before the planned soil excavation. If contaminant concentrations are below the 2L GWQS, a Soil Cleanup Report with Site Closure Request should be submitted to the NCDENR.

Appendix A

Second Semester 2006/First Semester 2007 - Proposed Monitoring Plan

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells ⊕ Type I ⊕ Type II ○ Type III ○ Pumping Well ⊕ Unknown Well Type ● Water Supply Wells ■ Above Ground Storage Tank ■ Underground Storage Tank + Railroad Tracks X FENCE △ GATE — WALL	Buildings and Structures ■ Buildings and Structures ■ Demolished Structures ■ Oil/Water Separators ■ Slabs ■ Roads ■ Driveways ■ Parking Lots ■ Surface Water Bodies ■ Creeks and Streams	Vegetation Cover ■ Forestland ■ Scrubland ■ Wetland Airfield Pavement ■ HELIPAD ■ RAMP ■ RUNWAY ■ SHLDR_OVERRUN ■ TAXIWAY ↑ Groundwater Flow Direction
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NOTES

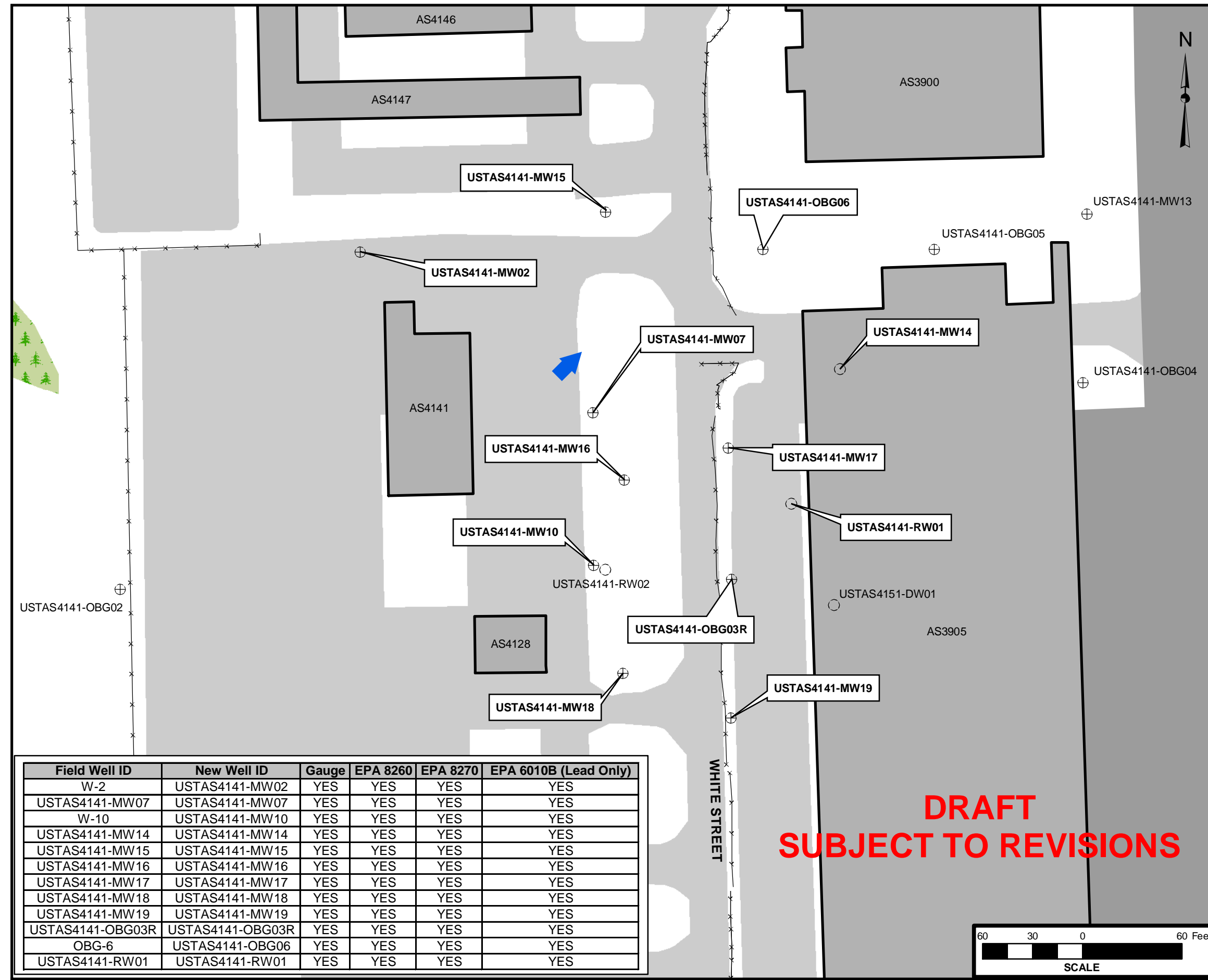
1. Sampling currently being performed on a semi-annual basis by Shaw.
2. Groundwater samples should be collected between October 1 and October 15, 2006. Results due to CATLIN in EDD Format by December 1, 2006.
3. Groundwater samples should be collected between April 1 and April 15, 2007. Results due to CATLIN in EDD Format by May 15, 2007.
4. Groundwater samples collected per EPA 6010B analysis should be obtained using a low-flow procedure to reduce turbidity.



SITE AS-4141
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE
1

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**DRAFT
SUBJECT TO REVISIONS**

Field Well ID	New Well ID	Gauge	EPA 8260	EPA 8270	EPA 6010B (Lead Only)
W-2	USTAS4141-MW02	YES	YES	YES	YES
USTAS4141-MW07	USTAS4141-MW07	YES	YES	YES	YES
W-10	USTAS4141-MW10	YES	YES	YES	YES
USTAS4141-MW14	USTAS4141-MW14	YES	YES	YES	YES
USTAS4141-MW15	USTAS4141-MW15	YES	YES	YES	YES
USTAS4141-MW16	USTAS4141-MW16	YES	YES	YES	YES
USTAS4141-MW17	USTAS4141-MW17	YES	YES	YES	YES
USTAS4141-MW18	USTAS4141-MW18	YES	YES	YES	YES
USTAS4141-MW19	USTAS4141-MW19	YES	YES	YES	YES
USTAS4141-OBG03R	USTAS4141-OBG03R	YES	YES	YES	YES
OBG-6	USTAS4141-OBG06	YES	YES	YES	YES
USTAS4141-RW01	USTAS4141-RW01	YES	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells		Vegetation Cover	
⊕	Type I	[Green]	Forestland
⊕	Type II	[Light Green]	Scrubland
⊕	Type III	[Dark Green]	Wetland
⊕	Pumping Well	[Orange]	Airfield Pavement
⊕	Unknown Well Type	[Orange]	HELIPAD
●	Water Supply Wells	[Grey]	RAMP
■	Above Ground Storage Tank	[Grey]	RUNWAY
■	Underground Storage Tank	[Grey]	SHLDR_OVERRUN
+	Railroad Tracks	[Grey]	TAXIWAY
+	Buildings and Structures	[Blue]	Surface Water Bodies
+	Demolished Structures	[Blue]	Creeks and Streams
+	Oil/Water Separators	[Blue Arrow]	Groundwater Flow Direction
+	Slabs		
+	Roads		
+	Driveways		
+	Parking Lots		
+	Fences		
+	Gates		
+	Walls		

NOTES

1. Sampling currently being performed on an annual basis by Shaw. CATLIN recommends modifying the sampling frequency to quarterly.
2. Groundwater samples should be collected between July 1 and July 31, 2006. Results due to CATLIN in EDD Format by September 1, 2006.
3. Groundwater samples should be collected between October 1 and October 15, 2006. Results due to CATLIN in EDD Format by December 1, 2006.
4. Groundwater samples should be collected between January 1 and January 31, 2007. Results due to CATLIN in EDD Format by March 1, 2007.
5. Groundwater samples should be collected between April 1 and April 15, 2007. Results due to CATLIN in EDD Format by May 15, 2007.
6. Groundwater samples collected per EPA 6010B analysis should be obtained using a low-flow procedure to reduce turbidity.

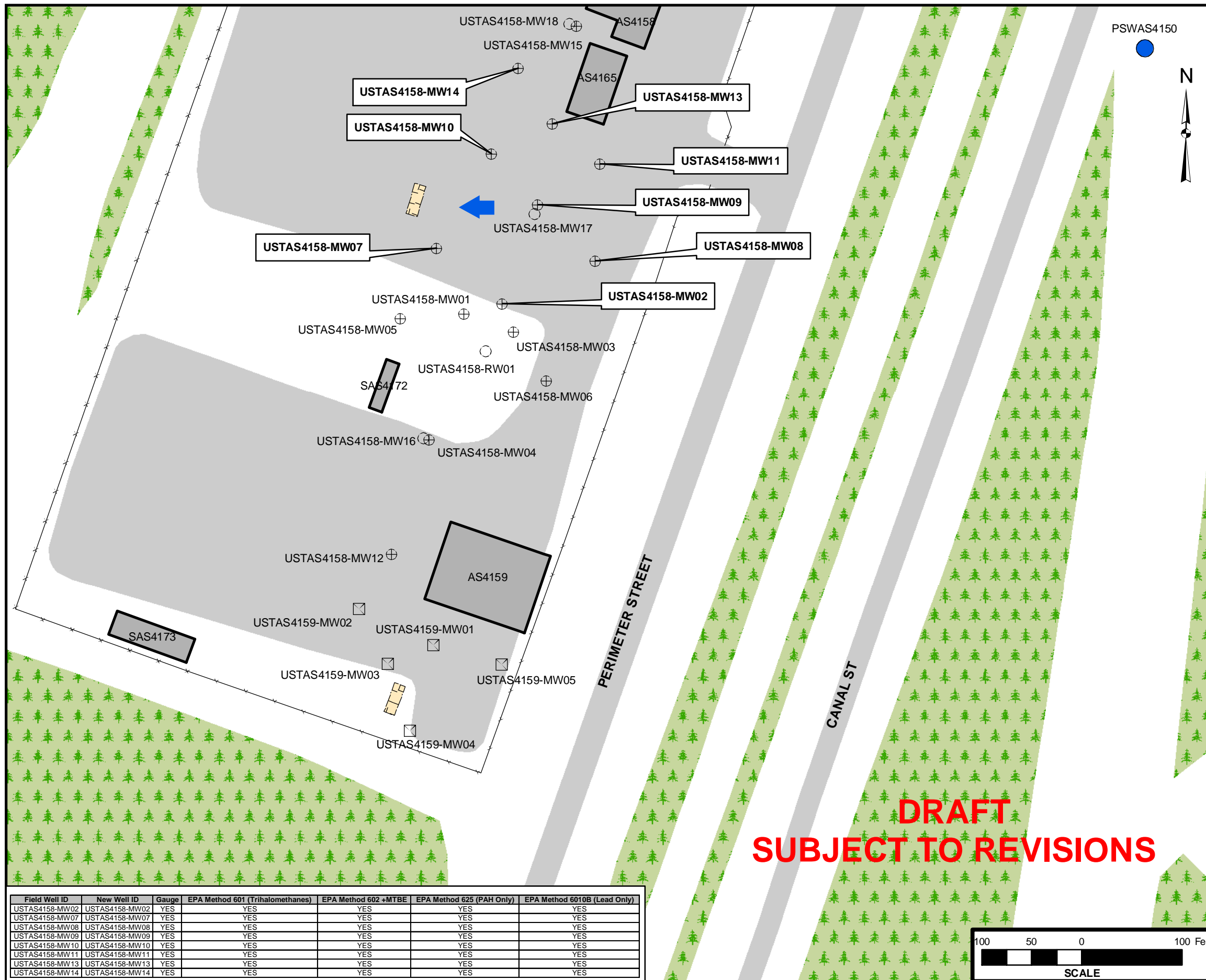


SITE AS-4158
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

2

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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Field Well ID	New Well ID	Gauge	EPA Method 601 (Trihalomethanes)	EPA Method 602 +MTBE	EPA Method 625 (PAH Only)	EPA Method 6010B (Lead Only)
USTAS4158-MW02	USTAS4158-MW02	YES	YES	YES	YES	YES
USTAS4158-MW07	USTAS4158-MW07	YES	YES	YES	YES	YES
USTAS4158-MW08	USTAS4158-MW08	YES	YES	YES	YES	YES
USTAS4158-MW09	USTAS4158-MW09	YES	YES	YES	YES	YES
USTAS4158-MW10	USTAS4158-MW10	YES	YES	YES	YES	YES
USTAS4158-MW11	USTAS4158-MW11	YES	YES	YES	YES	YES
USTAS4158-MW13	USTAS4158-MW13	YES	YES	YES	YES	YES
USTAS4158-MW14	USTAS4158-MW14	YES	YES	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells	Buildings and Structures	Vegetation Cover
⊕ Type I	Demolished Structures	Forestland
⊕ Type II	Oil/Water Separators	Scrubland
⊕ Type III	Slabs	Wetland
○ Pumping Well	Roads	Airfield Pavement
⊠ Unknown Well Type	Driveways	HELIPAD
● Water Supply Wells	Parking Lots	RAMP
■ Above Ground Storage Tank	Surface Water Bodies	RUNWAY
■ Underground Storage Tank	Creeks and Streams	SHLDR_OVERRUN
— Railroad Tracks		TAXIWAY
Walls and Fences		
⊗ FENCE		
△ GATE		
— WALL		

NOTES

1. Site not sampled during previous monitoring event. Quarterly sampling proposed by CATLIN and to be conducted by Sovereign.
2. Sample to be collected between July 1 and July 31, 2006. Results due to CATLIN in EDD format by September 1, 2006.
3. Samples to be collected between October 1 and October 31, 2006. Results due to CATLIN in EDD format by December 1, 2006.
4. Samples to be collected between January 1 and January 31, 2007. Results due to CATLIN in EDD format by March 1, 2007.
5. Samples to be collected between April 1 and April 15, 2007. Results due to CATLIN in EDD format by May 15, 2007.

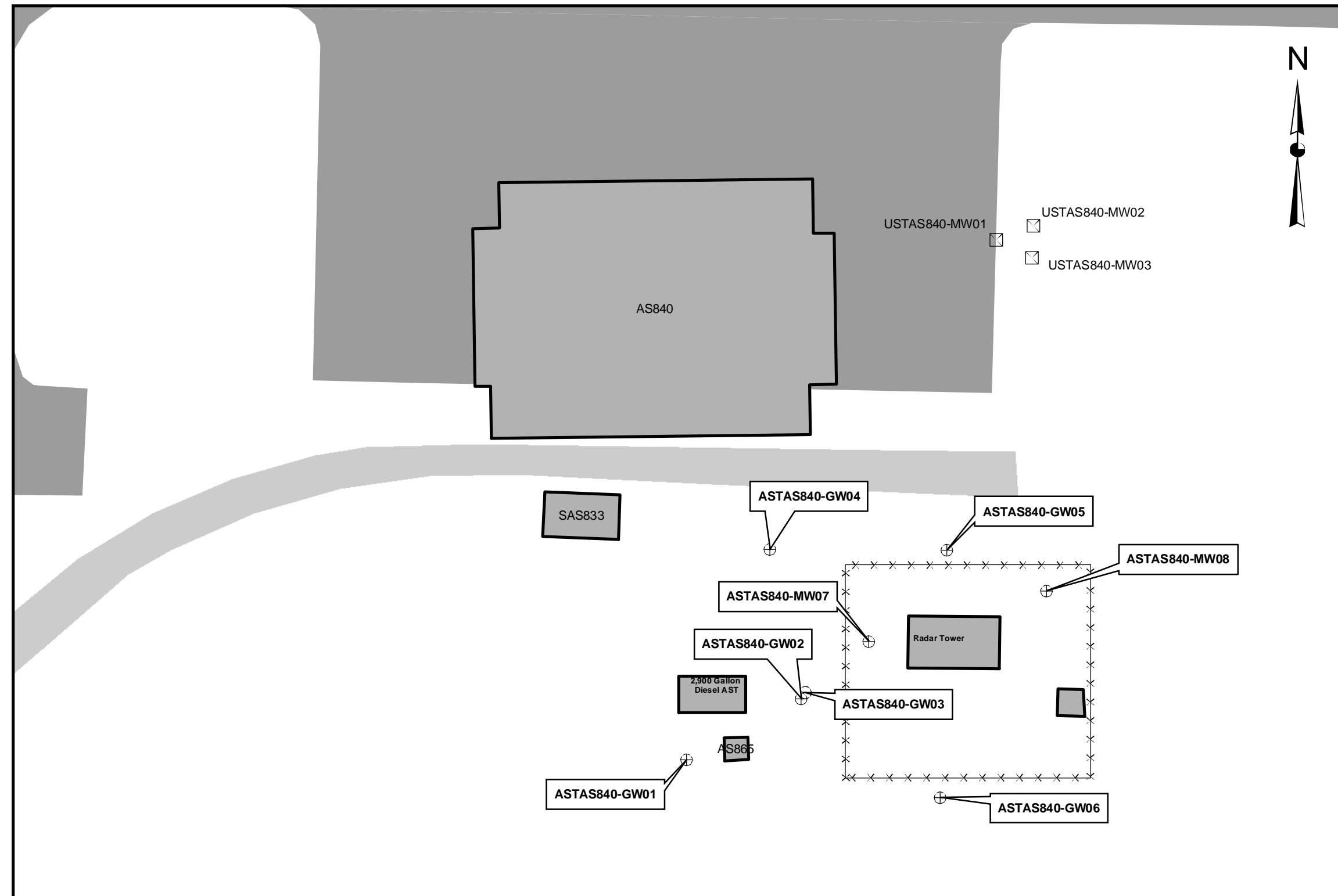


SITE AS-840
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

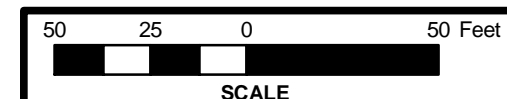
3

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**DRAFT
SUBJECT TO REVISIONS**

Field Well ID	New Well ID	EPA 602 + Xylenes	EPA 625 + TICs
MW-01	ASTAS840-GW-01	YES	YES
MW-02	ASTAS840-GW-02	YES	YES
MW-03	ASTAS840-GW03	YES	YES
MW-04	ASTAS840-GW04	YES	YES
MW-05	ASTAS840-GW05	YES	YES
MW-06	ASTAS840-GW06	YES	YES
MW-07	ASTAS840-MW07	YES	YES
MW-08	ASTAS840-MW08	YES	YES



MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

- | | | |
|--|--|--|
| Monitoring Wells
⊕ Type I
⊕ Type II
○ Type III
○ Pumping Well
⊕ Unknown Well Type
● Water Supply Wells
■ Above Ground Storage Tank
■ Underground Storage Tank
+ Railroad Tracks
⊕ FENCE
⊕ GATE
— WALL | Buildings and Structures
Demolished Structures
Oil/Water Separators
Slabs
Roads
Driveways
Parking Lots
Surface Water Bodies
Creeks and Streams
Groundwater Flow Direction | Vegetation Cover
Forestland
Scrubland
Wetland
Airfield Pavement
HELIPAD
RAMP
RUNWAY
SHLDR_OVERRUN
TAXIWAY |
|--|--|--|

NOTES

- CATLIN recommends continued monthly gauging for the wells list on the table until January 2007. Gauging data should be provided to CATLIN in required EDD format.

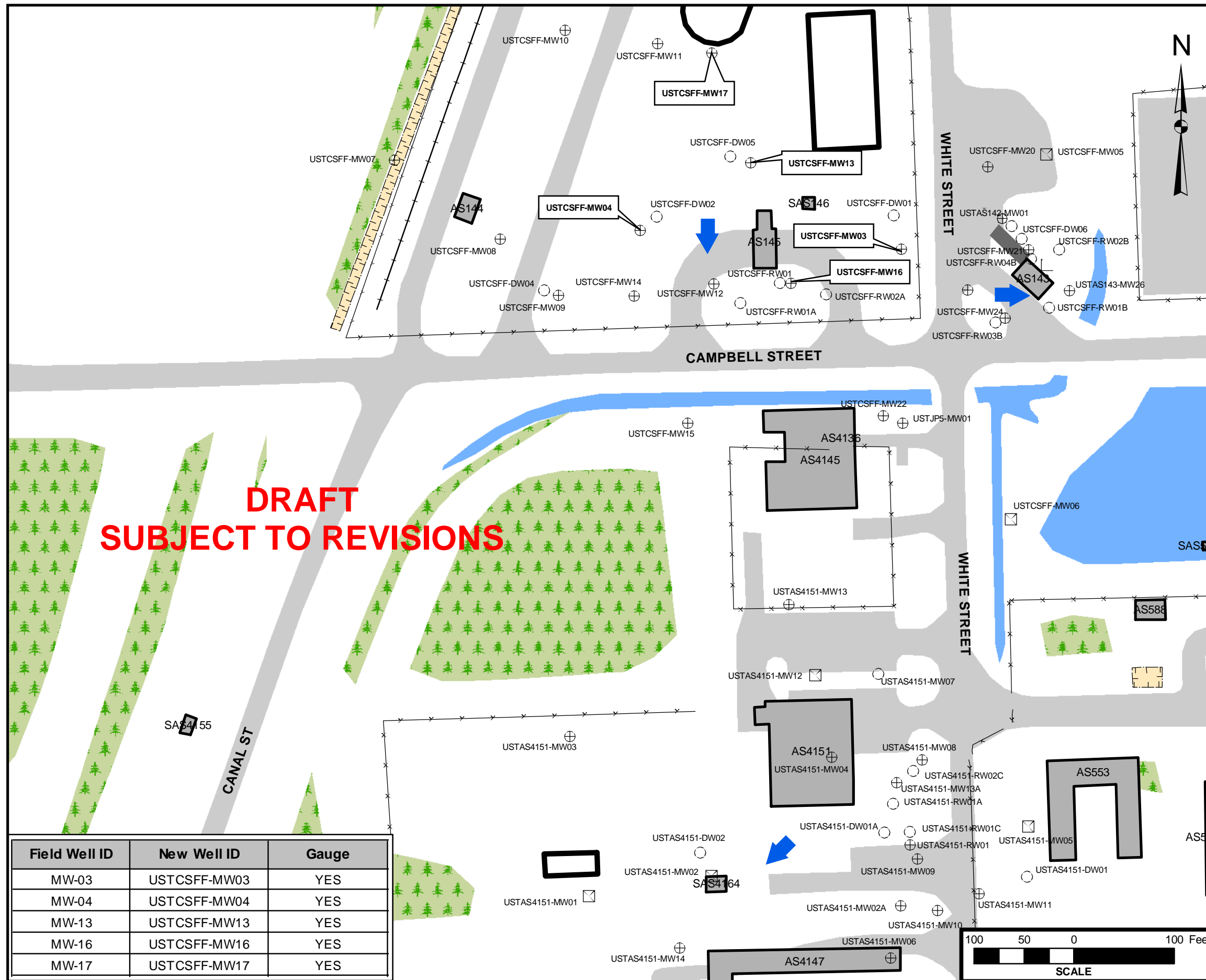


SITE Campbell Street Fuel Farm
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

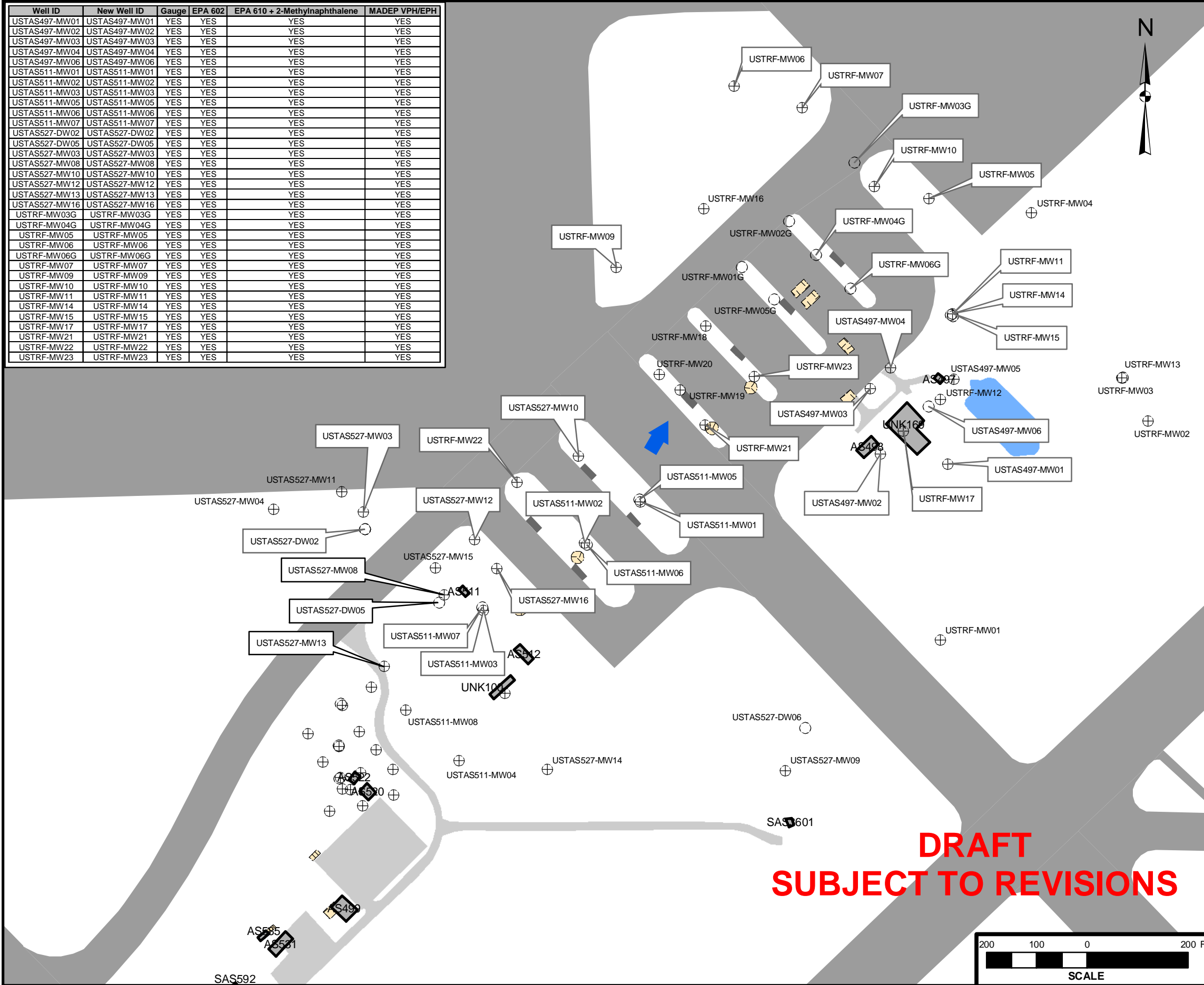
4

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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Field Well ID	New Well ID	Gauge
MW-03	USTCSFF-MW03	YES
MW-04	USTCSFF-MW04	YES
MW-13	USTCSFF-MW13	YES
MW-16	USTCSFF-MW16	YES
MW-17	USTCSFF-MW17	YES

Well ID	New Well ID	Gauge	EPA 602	EPA 610 + 2-Methylnaphthalene	MADEP VPH/EPH
USTAS497-MW01	USTAS497-MW01	YES	YES	YES	YES
USTAS497-MW02	USTAS497-MW02	YES	YES	YES	YES
USTAS497-MW03	USTAS497-MW03	YES	YES	YES	YES
USTAS497-MW04	USTAS497-MW04	YES	YES	YES	YES
USTAS497-MW06	USTAS497-MW06	YES	YES	YES	YES
USTAS511-MW01	USTAS511-MW01	YES	YES	YES	YES
USTAS511-MW02	USTAS511-MW02	YES	YES	YES	YES
USTAS511-MW03	USTAS511-MW03	YES	YES	YES	YES
USTAS511-MW05	USTAS511-MW05	YES	YES	YES	YES
USTAS511-MW06	USTAS511-MW06	YES	YES	YES	YES
USTAS511-MW07	USTAS511-MW07	YES	YES	YES	YES
USTAS527-DW02	USTAS527-DW02	YES	YES	YES	YES
USTAS527-DW05	USTAS527-DW05	YES	YES	YES	YES
USTAS527-MW03	USTAS527-MW03	YES	YES	YES	YES
USTAS527-MW08	USTAS527-MW08	YES	YES	YES	YES
USTAS527-MW10	USTAS527-MW10	YES	YES	YES	YES
USTAS527-MW12	USTAS527-MW12	YES	YES	YES	YES
USTAS527-MW13	USTAS527-MW13	YES	YES	YES	YES
USTAS527-MW16	USTAS527-MW16	YES	YES	YES	YES
USTRF-MW03G	USTRF-MW03G	YES	YES	YES	YES
USTRF-MW04G	USTRF-MW04G	YES	YES	YES	YES
USTRF-MW05	USTRF-MW05	YES	YES	YES	YES
USTRF-MW06	USTRF-MW06	YES	YES	YES	YES
USTRF-MW06G	USTRF-MW06G	YES	YES	YES	YES
USTRF-MW07	USTRF-MW07	YES	YES	YES	YES
USTRF-MW09	USTRF-MW09	YES	YES	YES	YES
USTRF-MW10	USTRF-MW10	YES	YES	YES	YES
USTRF-MW11	USTRF-MW11	YES	YES	YES	YES
USTRF-MW14	USTRF-MW14	YES	YES	YES	YES
USTRF-MW15	USTRF-MW15	YES	YES	YES	YES
USTRF-MW17	USTRF-MW17	YES	YES	YES	YES
USTRF-MW21	USTRF-MW21	YES	YES	YES	YES
USTRF-MW22	USTRF-MW22	YES	YES	YES	YES
USTRF-MW23	USTRF-MW23	YES	YES	YES	YES



MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

- | | | |
|--|---|--|
| Monitoring Wells
⊕ Type I
⊕ Type II
⊕ Type III
⊕ Pumping Well
⊕ Unknown Well Type
● Water Supply Wells
■ Above Ground Storage Tank
■ Underground Storage Tank
— Railroad Tracks
— FENCE
— GATE
— WALL | Buildings and Structures
■ Buildings and Structures
■ Demolished Structures
■ Oil/Water Separators
■ Slabs
■ Roads
■ Driveways
■ Parking Lots
■ Surface Water Bodies
■ Creeks and Streams | Vegetation Cover
■ Forestland
■ Scrubland
■ Wetland
Airfield Pavement
■ HELIPAD
■ RAMP
■ RUNWAY
■ SHLDR_OVERRUN
■ TAXIWAY |
|--|---|--|
- ⊕ Groundwater Flow Direction
 — FENCE
 — GATE
 — WALL

NOTES

1. Sampling currently being performed on a semi-annual basis by Shaw. CATLIN recommends modifying sampling frequency to annual.
2. Groundwater samples should be collected between April 1 and April 15, 2007. Results due to CATLIN in EDD Format by March 1, 2007.



SITE Rapid Refueler MONITORING PLAN SECOND SEMESTER 2006/ FIRST SEMESTER 2007				FIGURE 5
Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells		Vegetation Cover	
⊕	Type I	▒	Buildings and Structures
⊕	Type II	▒	Demolished Structures
⊕	Type III	▒	Oil/Water Separators
⊕	Pumping Well	▒	Slabs
⊕	Unknown Well Type	▒	Roads
⊕	Water Supply Wells	▒	Driveways
⊕	Above Ground Storage Tank	▒	Parking Lots
⊕	Underground Storage Tank	▒	Surface Water Bodies
+	Railroad Tracks	▒	Creeks and Streams
+	FENCE	▒	Groundwater Flow Direction
+	GATE	▒	
+	WALL	▒	
		▒	Forestland
		▒	Scrubland
		▒	Wetland
		▒	Airfield Pavement
		▒	HELIPAD
		▒	RAMP
		▒	RUNWAY
		▒	SHLDR_OVERRUN
		▒	TAXIWAY

NOTES

1. Site sampling frequency to be modified to bi-annual. Therefore, as sampling was conducted in April 2006 the next sampling event will not be conducted until April 2008.

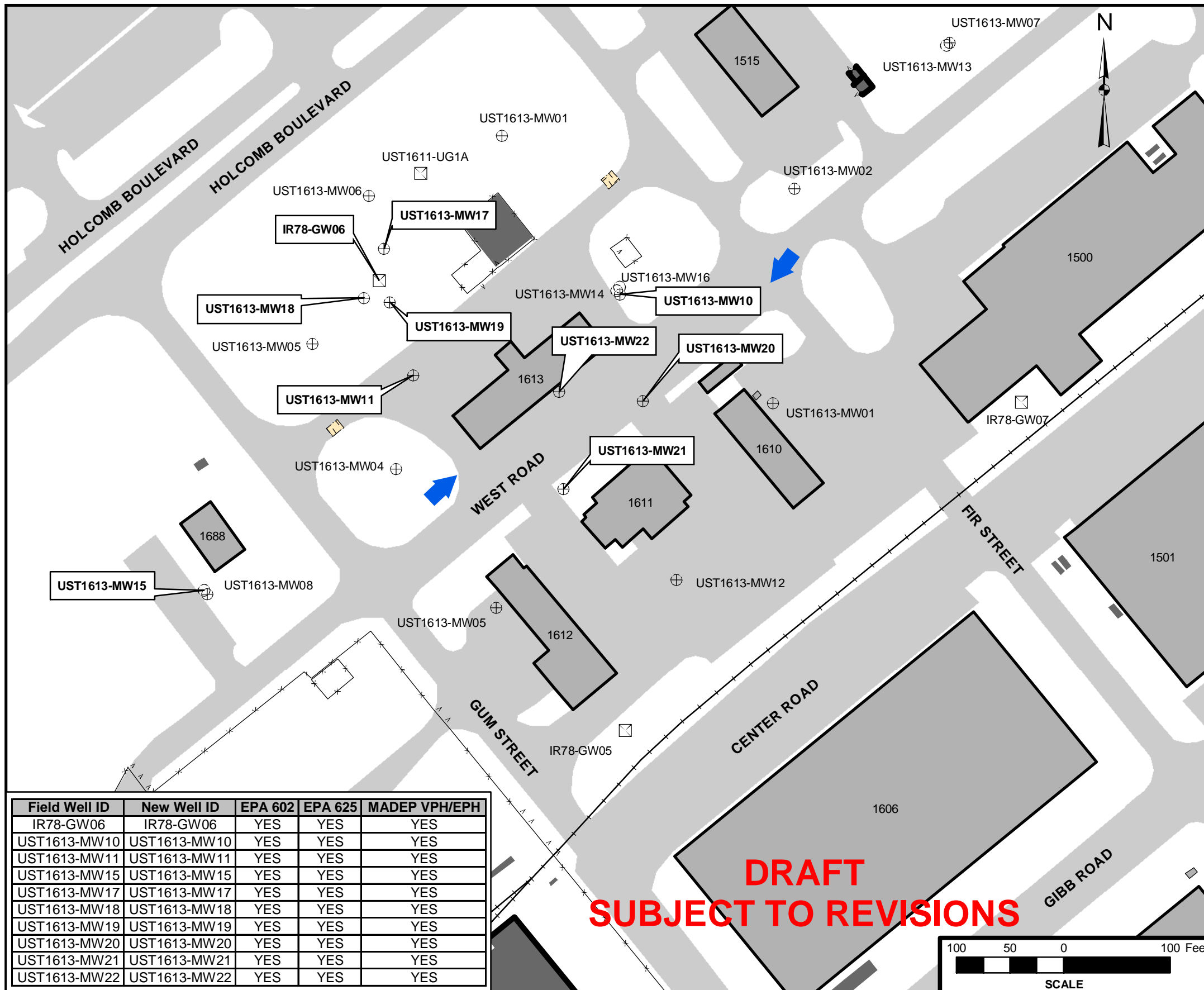


SITE 1613
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

6

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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Field Well ID	New Well ID	EPA 602	EPA 625	MADEP VPH/EPH
IR78-GW06	IR78-GW06	YES	YES	YES
UST1613-MW10	UST1613-MW10	YES	YES	YES
UST1613-MW11	UST1613-MW11	YES	YES	YES
UST1613-MW15	UST1613-MW15	YES	YES	YES
UST1613-MW17	UST1613-MW17	YES	YES	YES
UST1613-MW18	UST1613-MW18	YES	YES	YES
UST1613-MW19	UST1613-MW19	YES	YES	YES
UST1613-MW20	UST1613-MW20	YES	YES	YES
UST1613-MW21	UST1613-MW21	YES	YES	YES
UST1613-MW22	UST1613-MW22	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells		Vegetation Cover	
⊕	Type I		Forestland
⊕	Type II		Scrubland
⊕	Type III		Wetland
⊕	Pumping Well		Airfield Pavement
⊕	Unknown Well Type		HELIPAD
⊕	Water Supply Wells		RAMP
⊕	Above Ground Storage Tank		RUNWAY
⊕	Underground Storage Tank		SHLDR_OVERRUN
⊕	Railroad Tracks		TAXIWAY
⊕	Buildings and Structures		Groundwater Flow Direction
⊕	Demolished Structures		
⊕	Oil/Water Separators		
⊕	Slabs		
⊕	Roads		
⊕	Driveways		
⊕	Parking Lots		
⊕	Surface Water Bodies		
⊕	Creeks and Streams		
⊕	Walls and Fences		
⊕	FENCE		
⊕	GATE		
⊕	WALL		

NOTES

1. Sampling currently being performed on a semi-annual basis by Sovereign. Please note, deep monitoring wells UST45/S941-MW06, UST45/S941-MW09, and UST45/S941-MW21 should only be sampled in April 2007.
2. Groundwater samples should be collected between October 1 and October 15, 2006. Results due to CATLIN in EDD Format by December 1, 2006.
3. Groundwater samples should be collected between April 1 and April 15, 2007. Results due to CATLIN in EDD Format by May 15, 2007.
4. Groundwater samples collected per EPA 6010A analysis should be obtained using a low-flow procedure to reduce turbidity.

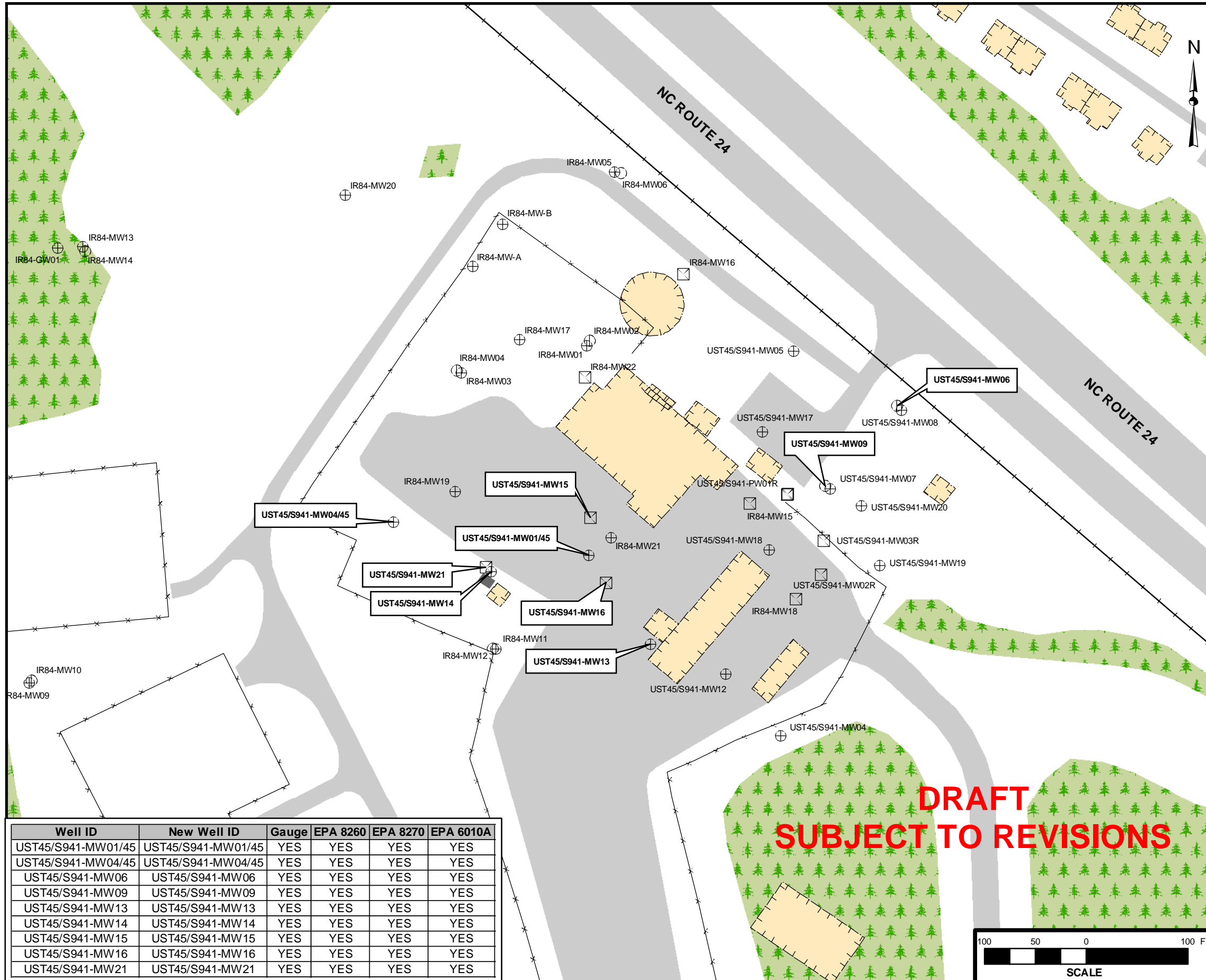


SITE 45/S941
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

7

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**DRAFT
SUBJECT TO REVISIONS**

Well ID	New Well ID	Gauge	EPA 8260	EPA 8270	EPA 6010A
UST45/S941-MW01/45	UST45/S941-MW01/45	YES	YES	YES	YES
UST45/S941-MW04/45	UST45/S941-MW04/45	YES	YES	YES	YES
UST45/S941-MW06	UST45/S941-MW06	YES	YES	YES	YES
UST45/S941-MW09	UST45/S941-MW09	YES	YES	YES	YES
UST45/S941-MW13	UST45/S941-MW13	YES	YES	YES	YES
UST45/S941-MW14	UST45/S941-MW14	YES	YES	YES	YES
UST45/S941-MW15	UST45/S941-MW15	YES	YES	YES	YES
UST45/S941-MW16	UST45/S941-MW16	YES	YES	YES	YES
UST45/S941-MW21	UST45/S941-MW21	YES	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells		Vegetation Cover	
⊕	Type I		Buildings and Structures
⊕	Type II		Demolished Structures
⊕	Type III		Oil/Water Separators
⊕	Pumping Well		Slabs
⊕	Unknown Well Type		Roads
	Water Supply Wells		Driveways
	Above Ground Storage Tank		Parking Lots
	Underground Storage Tank		Surface Water Bodies
	Railroad Tracks		Creeks and Streams
	FENCE		Groundwater Flow Direction
	GATE		Forestland
	WALL		Scrubland
			Wetland
			Airfield Pavement
			HELIPAD
			RAMP
			RUNWAY
			SHLDR_OVERRUN
			TAXIWAY

NOTES

1. Sampling currently being performed on a quarterly basis by Sovereign. The wells highlighted in red on the table will continue to be sampled quarterly per EPA Method 602 only, all other wells will be sampled annually (January 2007) per all methods listed on the table.
2. Groundwater samples should be collected between July 1 and July 31, 2006. Results due to CATLIN in EDD Format by September 1, 2006.
3. Groundwater samples should be collected between October 1 and October 15, 2006. Results due to CATLIN in EDD Format by December 1, 2006.
4. Groundwater samples should be collected between January 1 and January 31, 2007. Results due to CATLIN in EDD Format by March 1, 2007.
5. Groundwater samples should be collected between April 1 and April 15, 2007. Results due to CATLIN in EDD Format by May 15, 2007.
6. Groundwater samples collected per EPA 6020 analysis should be obtained using a low-flow procedure to reduce turbidity.

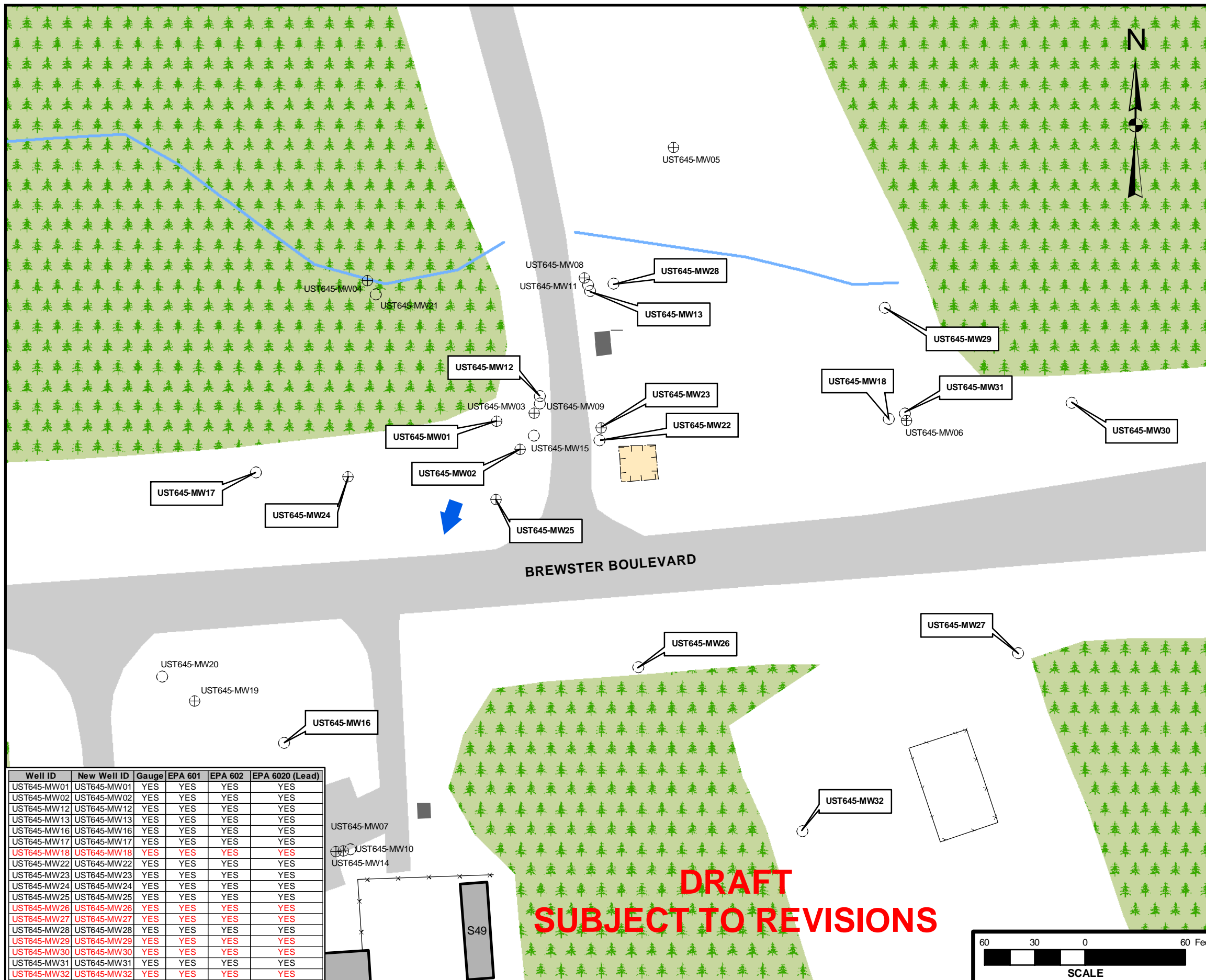


SITE 645
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

8

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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Well ID	New Well ID	Gauge	EPA 601	EPA 602	EPA 6020 (Lead)
UST645-MW01	UST645-MW01	YES	YES	YES	YES
UST645-MW02	UST645-MW02	YES	YES	YES	YES
UST645-MW12	UST645-MW12	YES	YES	YES	YES
UST645-MW13	UST645-MW13	YES	YES	YES	YES
UST645-MW16	UST645-MW16	YES	YES	YES	YES
UST645-MW17	UST645-MW17	YES	YES	YES	YES
UST645-MW18	UST645-MW18	YES	YES	YES	YES
UST645-MW22	UST645-MW22	YES	YES	YES	YES
UST645-MW23	UST645-MW23	YES	YES	YES	YES
UST645-MW24	UST645-MW24	YES	YES	YES	YES
UST645-MW25	UST645-MW25	YES	YES	YES	YES
UST645-MW26	UST645-MW26	YES	YES	YES	YES
UST645-MW27	UST645-MW27	YES	YES	YES	YES
UST645-MW28	UST645-MW28	YES	YES	YES	YES
UST645-MW29	UST645-MW29	YES	YES	YES	YES
UST645-MW30	UST645-MW30	YES	YES	YES	YES
UST645-MW31	UST645-MW31	YES	YES	YES	YES
UST645-MW32	UST645-MW32	YES	YES	YES	YES

**DRAFT
SUBJECT TO REVISIONS**

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells ⊕ Type I ⊕ Type II ⊕ Type III ○ Pumping Well ⊕ Unknown Well Type ● Water Supply Wells ■ Above Ground Storage Tank ■ Underground Storage Tank — Railroad Tracks Walls and Fences X FENCE △ GATE — WALL	Buildings and Structures Demolished Structures Oil/Water Separators Slabs Roads Driveways Parking Lots Surface Water Bodies Creeks and Streams Groundwater Flow Direction	Vegetation Cover Forestland Scrubland Wetland Airfield Pavement HELIPAD RAMP RUNWAY SHLDR_OVERRUN TAXIWAY
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NOTES

1. Sampling currently being performed on a semi-annual basis by Shaw.
2. Groundwater samples should be collected between October 1 and October 15, 2006. Results due to CATLIN in EDD Format by December 1, 2006.
3. Groundwater samples should be collected between April 1 and April 15, 2007. Results due to CATLIN in EDD Format by May 15, 2007.

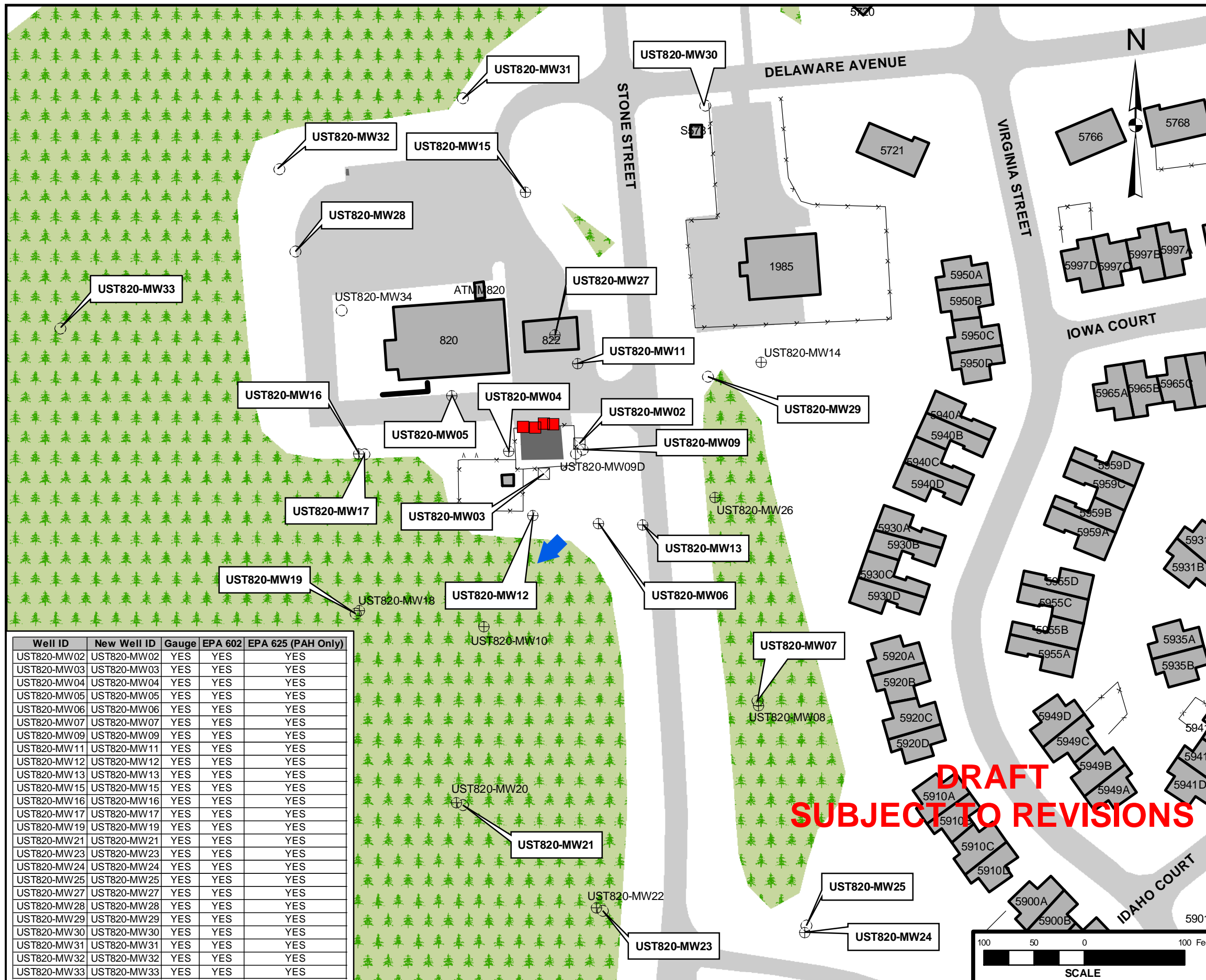


SITE 820
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

9

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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Well ID	New Well ID	Gauge	EPA 602	EPA 625 (PAH Only)
UST820-MW02	UST820-MW02	YES	YES	YES
UST820-MW03	UST820-MW03	YES	YES	YES
UST820-MW04	UST820-MW04	YES	YES	YES
UST820-MW05	UST820-MW05	YES	YES	YES
UST820-MW06	UST820-MW06	YES	YES	YES
UST820-MW07	UST820-MW07	YES	YES	YES
UST820-MW09	UST820-MW09	YES	YES	YES
UST820-MW11	UST820-MW11	YES	YES	YES
UST820-MW12	UST820-MW12	YES	YES	YES
UST820-MW13	UST820-MW13	YES	YES	YES
UST820-MW15	UST820-MW15	YES	YES	YES
UST820-MW16	UST820-MW16	YES	YES	YES
UST820-MW17	UST820-MW17	YES	YES	YES
UST820-MW19	UST820-MW19	YES	YES	YES
UST820-MW21	UST820-MW21	YES	YES	YES
UST820-MW23	UST820-MW23	YES	YES	YES
UST820-MW24	UST820-MW24	YES	YES	YES
UST820-MW25	UST820-MW25	YES	YES	YES
UST820-MW27	UST820-MW27	YES	YES	YES
UST820-MW28	UST820-MW28	YES	YES	YES
UST820-MW29	UST820-MW29	YES	YES	YES
UST820-MW30	UST820-MW30	YES	YES	YES
UST820-MW31	UST820-MW31	YES	YES	YES
UST820-MW32	UST820-MW32	YES	YES	YES
UST820-MW33	UST820-MW33	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells		Buildings and Structures	Vegetation Cover
Type I	Demolished Structures	Oil/Water Separators	Forestland
Type II	Slabs	Roads	Scrubland
Type III	Driveways	Parking Lots	Wetland
Pumping Well	Surface Water Bodies	Creeks and Streams	Airfield Pavement
Unknown Well Type	Groundwater Flow Direction		HELIPAD
Water Supply Wells			RAMP
Above Ground Storage Tank			RUNWAY
Underground Storage Tank			SHLDR_OVERRUN
Railroad Tracks			TAXIWAY
Walls and Fences			
FENCE			
GATE			
WALL			

NOTES

1. Site sampling frequency to be modified to biennial. Therefore, as sampling was conducted in April 2006 the next sampling event will not be conducted until April 2008.

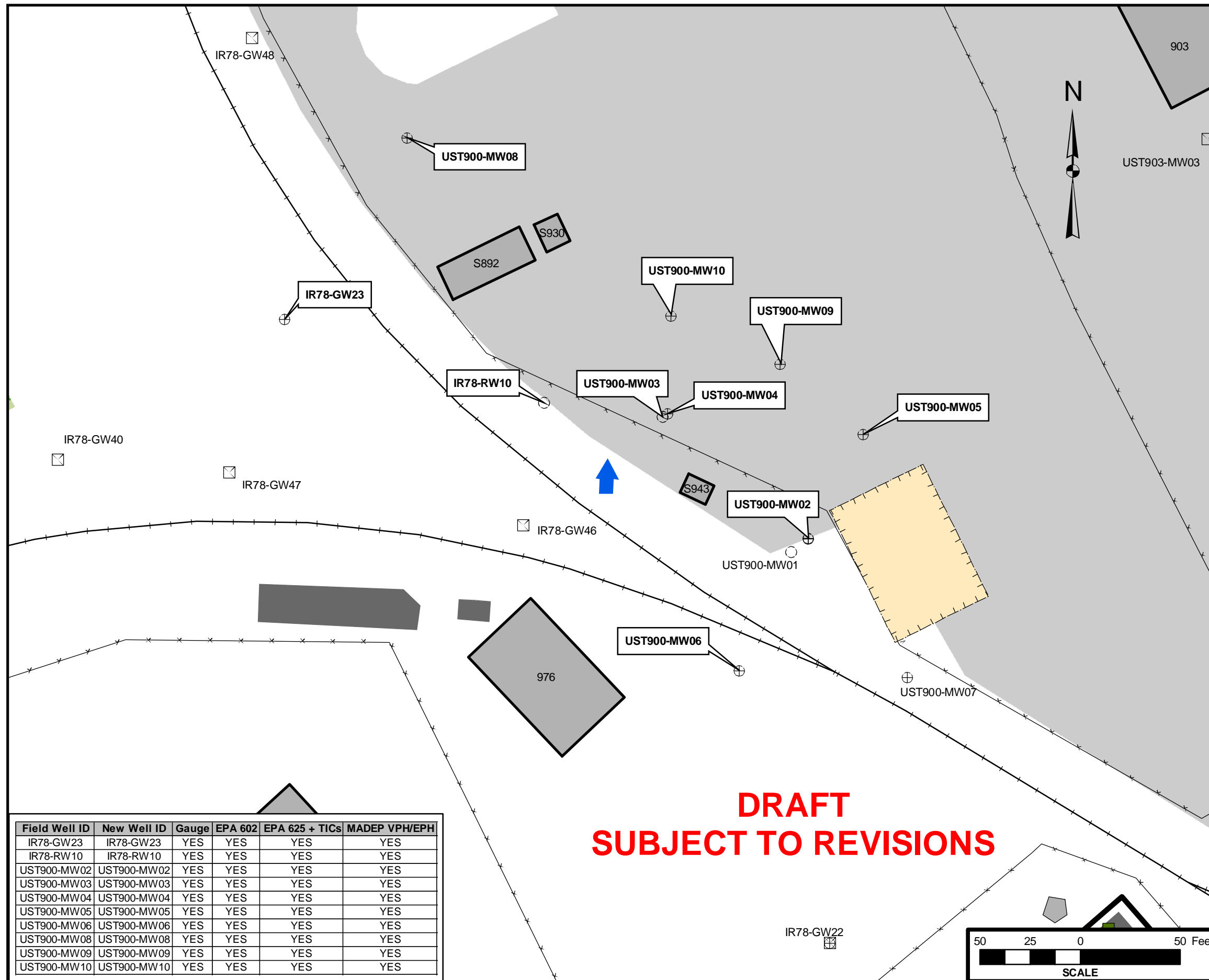


SITE 900
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

10

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**DRAFT
SUBJECT TO REVISIONS**

Field Well ID	New Well ID	Gauge	EPA 602	EPA 625 + TICs	MADEP VPH/EPH
IR78-GW23	IR78-GW23	YES	YES	YES	YES
IR78-RW10	IR78-RW10	YES	YES	YES	YES
UST900-MW02	UST900-MW02	YES	YES	YES	YES
UST900-MW03	UST900-MW03	YES	YES	YES	YES
UST900-MW04	UST900-MW04	YES	YES	YES	YES
UST900-MW05	UST900-MW05	YES	YES	YES	YES
UST900-MW06	UST900-MW06	YES	YES	YES	YES
UST900-MW08	UST900-MW08	YES	YES	YES	YES
UST900-MW09	UST900-MW09	YES	YES	YES	YES
UST900-MW10	UST900-MW10	YES	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells ⊕ Type I ⊕ Type II ⊕ Type III ⊕ Pumping Well ⊕ Unknown Well Type ● Water Supply Wells ■ Above Ground Storage Tank ■ Underground Storage Tank — Railroad Tracks — FENCE △ GATE — WALL	Buildings and Structures ■ Buildings and Structures ■ Demolished Structures ■ Oil/Water Separators ■ Slabs ■ Roads ■ Driveways ■ Parking Lots ■ Surface Water Bodies ■ Creeks and Streams	Vegetation Cover ■ Forestland ■ Scrubland ■ Wetland Airfield Pavement ■ HELIPAD ■ RAMP ■ RUNWAY ■ SHLDR_OVERRUN ■ TAXIWAY
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NOTES

1. Sampling currently being performed on a annual basis by Sovereign.
2. Samples to be collected between April 1 and April 15, 2007. Results due to CATLIN in EDD format by May 15, 2007.

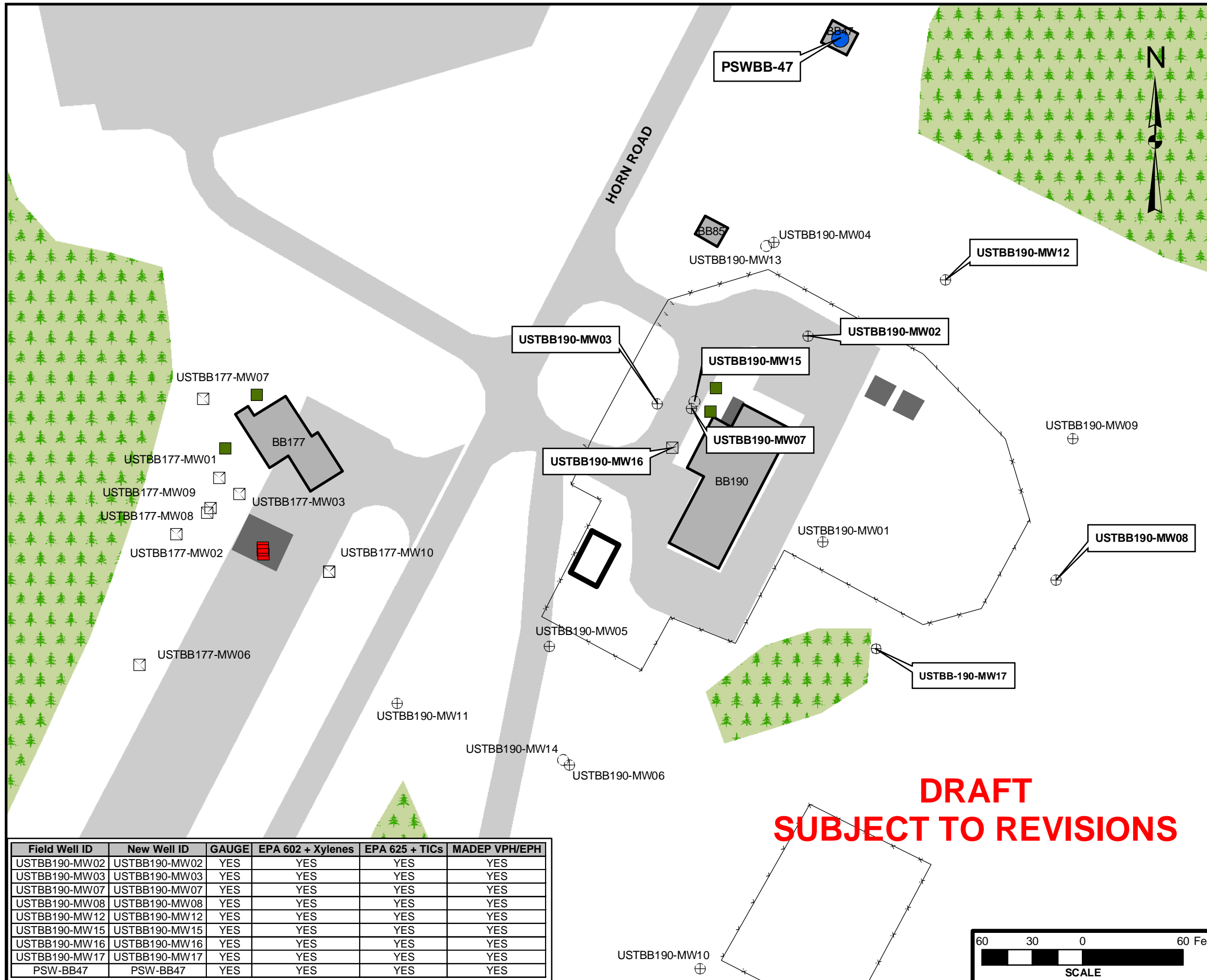


SITE BB-190
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

11

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**DRAFT
SUBJECT TO REVISIONS**

Field Well ID	New Well ID	GAUGE	EPA 602 + Xylenes	EPA 625 + TICs	MADEP VPH/EPH
USTBB190-MW02	USTBB190-MW02	YES	YES	YES	YES
USTBB190-MW03	USTBB190-MW03	YES	YES	YES	YES
USTBB190-MW07	USTBB190-MW07	YES	YES	YES	YES
USTBB190-MW08	USTBB190-MW08	YES	YES	YES	YES
USTBB190-MW12	USTBB190-MW12	YES	YES	YES	YES
USTBB190-MW15	USTBB190-MW15	YES	YES	YES	YES
USTBB190-MW16	USTBB190-MW16	YES	YES	YES	YES
USTBB190-MW17	USTBB190-MW17	YES	YES	YES	YES
PSW-BB47	PSW-BB47	YES	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells		Vegetation Cover	
⊕	Type I	▭	Buildings and Structures
⊕	Type II	▭	Demolished Structures
⊕	Type III	▭	Oil/Water Separators
⊕	Pumping Well	▭	Slabs
⊕	Unknown Well Type	▭	Roads
●	Water Supply Wells	▭	Driveways
■	Above Ground Storage Tank	▭	Parking Lots
■	Underground Storage Tank	▭	Surface Water Bodies
—	Railroad Tracks	▭	Creeks and Streams
—	FENCE	▭	Groundwater Flow Direction
—	GATE	▭	
—	WALL	▭	
		▭	Forestland
		▭	Scrubland
		▭	Wetland
		▭	Airfield Pavement
		▭	HELIPAD
		▭	RAMP
		▭	RUNWAY
		▭	SHLDR_OVERRUN
		▭	TAXIWAY

NOTES

1. Sampling currently being performed on an annual basis by Sovereign.
2. Samples to be collected between October 1 and October 31, 2006. Results due to CATLIN in EDD format by December 1, 2006.
3. Samples collected for EPA Method 6010B analysis should be obtained using a low-flow procedure to reduce turbidity.

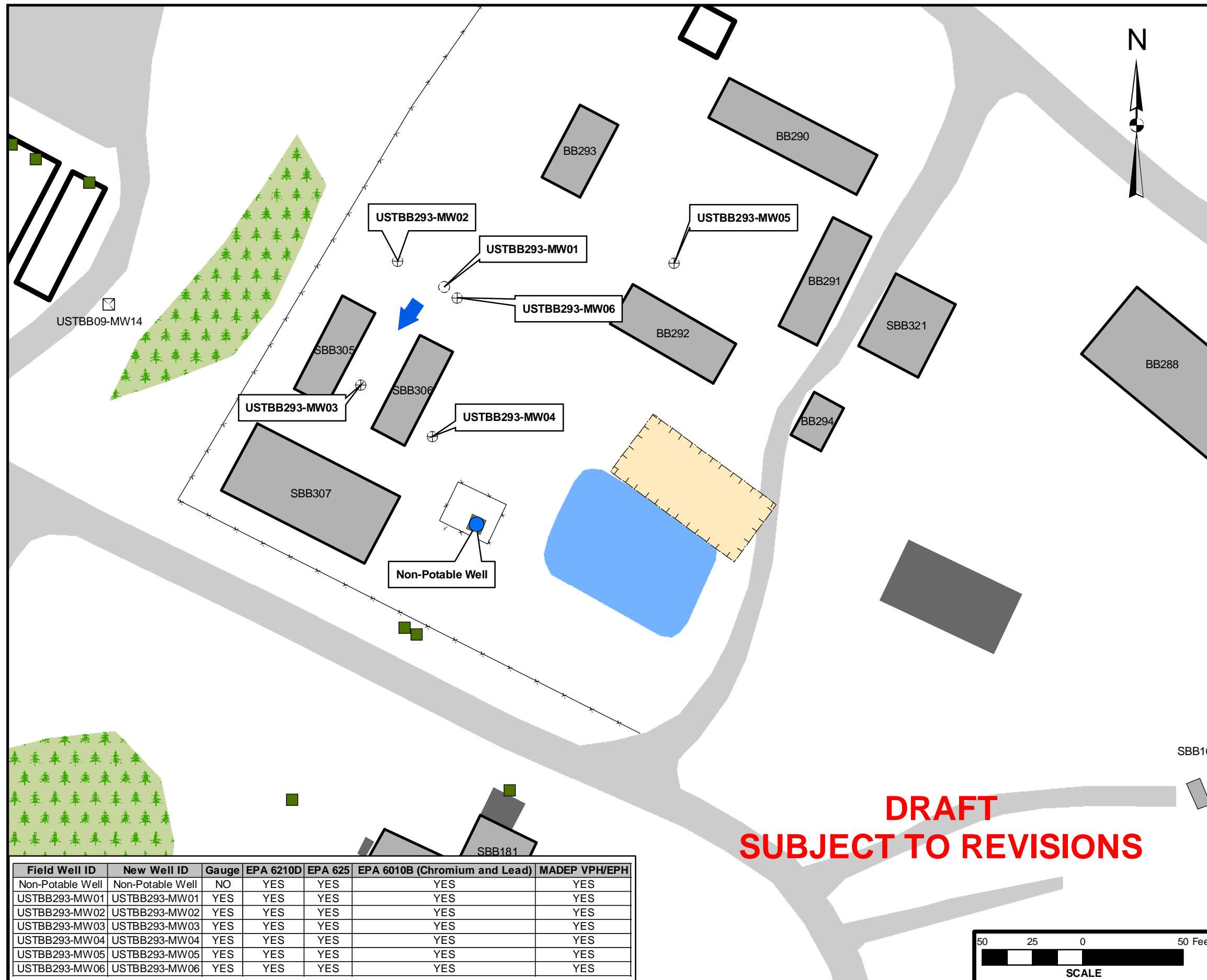


SITE BB-293
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

12

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**DRAFT
SUBJECT TO REVISIONS**

Field Well ID	New Well ID	Gauge	EPA 6210D	EPA 625	EPA 6010B (Chromium and Lead)	MADEP VPH/EPH
Non-Potable Well	Non-Potable Well	NO	YES	YES	YES	YES
USTBB293-MW01	USTBB293-MW01	YES	YES	YES	YES	YES
USTBB293-MW02	USTBB293-MW02	YES	YES	YES	YES	YES
USTBB293-MW03	USTBB293-MW03	YES	YES	YES	YES	YES
USTBB293-MW04	USTBB293-MW04	YES	YES	YES	YES	YES
USTBB293-MW05	USTBB293-MW05	YES	YES	YES	YES	YES
USTBB293-MW06	USTBB293-MW06	YES	YES	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells ⊕ Type I ⊕ Type II ⊕ Type III ○ Pumping Well ⊕ Unknown Well Type ● Water Supply Wells ■ Above Ground Storage Tank ■ Underground Storage Tank — Railroad Tracks Walls and Fences X FENCE △ GATE — WALL	Buildings and Structures Demolished Structures Oil/Water Separators Slabs Roads Driveways Parking Lots Surface Water Bodies Creeks and Streams Groundwater Flow Direction	Vegetation Cover Forestland Scrubland Wetland Airfield Pavement HELIPAD RAMP RUNWAY SHLDR_OVERRUN TAXIWAY
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NOTES

- Groundwater gauging currently being performed on a quarterly basis and sampling on a semi-annual basis by Sovereign. CATLIN recommends continue quarterly gauging, but modifying sampling frequency to annual.
- Sampling to be completed between October 1 and October 31, 2006. Results due to CATLIN in EDD format by December 1, 2006.
- Gauging to be completed in July and October 2006 and January and April 2007.



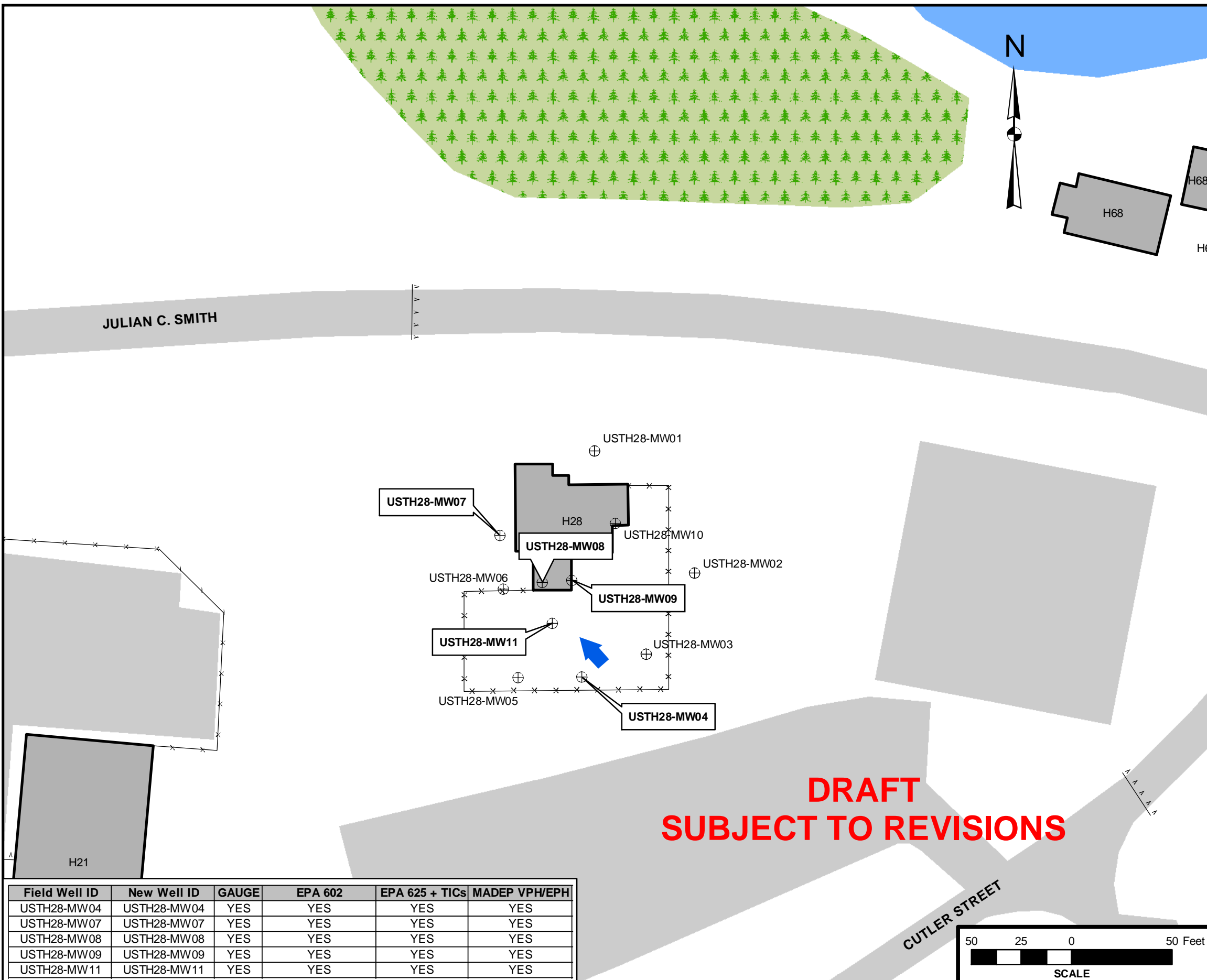
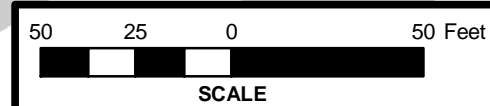
SITE H-28
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

13

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**DRAFT
SUBJECT TO REVISIONS**



Field Well ID	New Well ID	GAUGE	EPA 602	EPA 625 + TICs	MADEP VPH/EPH
USTH28-MW04	USTH28-MW04	YES	YES	YES	YES
USTH28-MW07	USTH28-MW07	YES	YES	YES	YES
USTH28-MW08	USTH28-MW08	YES	YES	YES	YES
USTH28-MW09	USTH28-MW09	YES	YES	YES	YES
USTH28-MW11	USTH28-MW11	YES	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells		Buildings and Structures		Vegetation Cover	
⊕	Type I	▭	Buildings and Structures	🌲	Forestland
⊕	Type II	▭	Demolished Structures	🌳	Scrubland
⊕	Type III	▭	Oil/Water Separators	🌿	Wetland
⊕	Pumping Well	▭	Slabs	🌿	Airfield Pavement
⊕	Unknown Well Type	▭	Roads	🛣️	HELIPAD
⊕	Water Supply Wells	▭	Driveways	🛣️	RAMP
⊕	Above Ground Storage Tank	▭	Parking Lots	🛣️	RUNWAY
⊕	Underground Storage Tank	▭	Surface Water Bodies	🛣️	SHLDR_OVERRUN
⊕	Railroad Tracks	▭	Creeks and Streams	🛣️	TAXIWAY
⊕	Walls and Fences	▭	Groundwater Flow Direction		
⊕	FENCE				
⊕	GATE				
⊕	WALL				

NOTES

1. Sampling currently being performed on a quarterly basis by Sovereign. CATLIN recommends modifying sampling frequency to semi-annual.
2. Groundwater samples should be collected between October 1 and October 31, 2006. Results due to CATLIN in EDD Format by December 1, 2006.
3. Groundwater samples should be collected between April 1 and April 15, 2007. Results due to CATLIN in EDD Format by May 15, 2007.
4. Groundwater samples collected per EPA 6020 analysis should be obtained using a low-flow procedure to reduce turbidity.

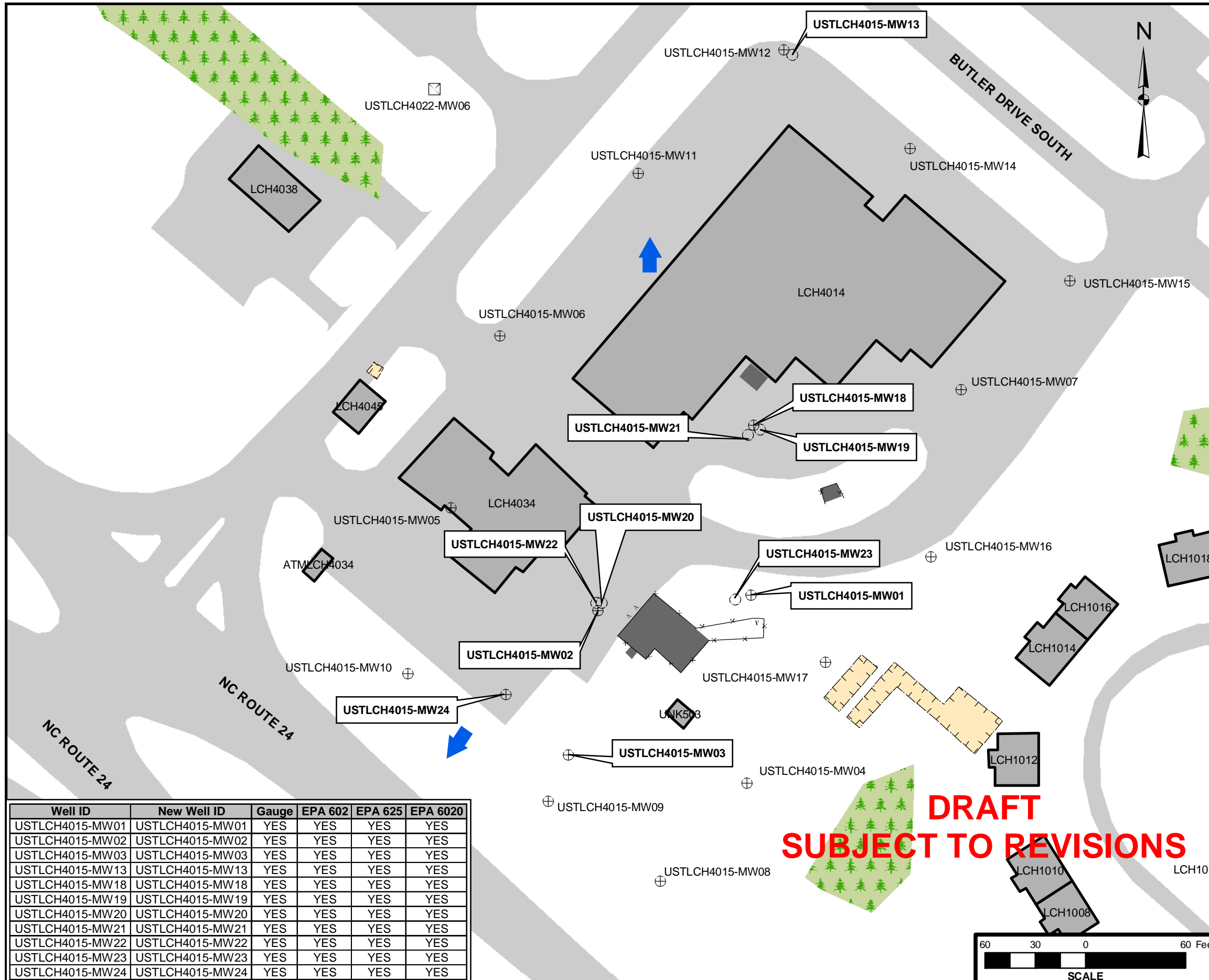


SITE LCH-4015
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

14

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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Well ID	New Well ID	Gauge	EPA 602	EPA 625	EPA 6020
USTLCH4015-MW01	USTLCH4015-MW01	YES	YES	YES	YES
USTLCH4015-MW02	USTLCH4015-MW02	YES	YES	YES	YES
USTLCH4015-MW03	USTLCH4015-MW03	YES	YES	YES	YES
USTLCH4015-MW13	USTLCH4015-MW13	YES	YES	YES	YES
USTLCH4015-MW18	USTLCH4015-MW18	YES	YES	YES	YES
USTLCH4015-MW19	USTLCH4015-MW19	YES	YES	YES	YES
USTLCH4015-MW20	USTLCH4015-MW20	YES	YES	YES	YES
USTLCH4015-MW21	USTLCH4015-MW21	YES	YES	YES	YES
USTLCH4015-MW22	USTLCH4015-MW22	YES	YES	YES	YES
USTLCH4015-MW23	USTLCH4015-MW23	YES	YES	YES	YES
USTLCH4015-MW24	USTLCH4015-MW24	YES	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells ⊕ Type I ⊕ Type II ○ Type III ○ Pumping Well ⊠ Unknown Well Type ● Water Supply Wells ■ Above Ground Storage Tank ■ Underground Storage Tank — Railroad Tracks — FENCE △ GATE — WALL	Buildings and Structures Demolished Structures Oil/Water Separators Slabs Roads Driveways Parking Lots Surface Water Bodies Creeks and Streams Groundwater Flow Direction	Vegetation Cover Forestland Scrubland Wetland Airfield Pavement HELIPAD RAMP RUNWAY SHLDR_OVERRUN TAXIWAY
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NOTES

1. Groundwater monitoring will not be conducted at this site as NFA has been granted.

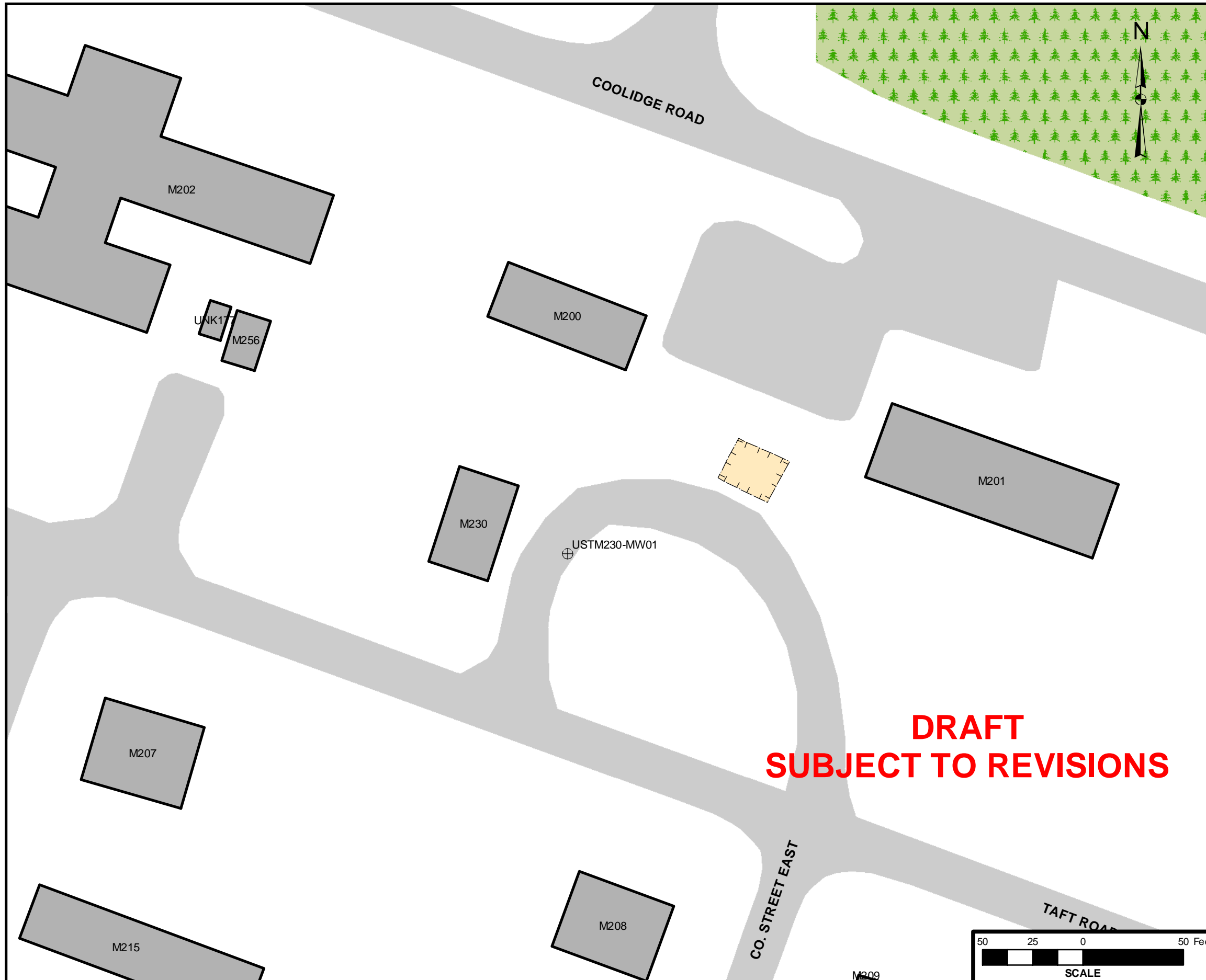


SITE M-230
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

15

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells		Vegetation Cover	
⊕	Type I		Buildings and Structures
⊕	Type II		Demolished Structures
⊕	Type III		Oil/Water Separators
⊕	Pumping Well		Slabs
⊕	Unknown Well Type		Roads
	Water Supply Wells		Driveways
	Above Ground Storage Tank		Parking Lots
	Underground Storage Tank		Surface Water Bodies
	Railroad Tracks		Creeks and Streams
	FENCE		Groundwater Flow Direction
	GATE		
	WALL		
			Forestland
			Scrubland
			Wetland
			Airfield Pavement
			HELIPAD
			RAMP
			RUNWAY
			SHLDR_OVERRUN
			TAXIWAY

NOTES

- Groundwater gauging currently being performed on a quarterly basis and sampling on a semi-annual basis by Sovereign. CATLIN recommends to continue quarterly gauging, but to modify sampling frequency to annual.
- Sampling to be completed between October 1 and October 31, 2006. Results due to CATLIN in EDD format by December 1, 2006.
- Gauging of all on-site wells to be completed in July and October 2006 and January and April 2007.

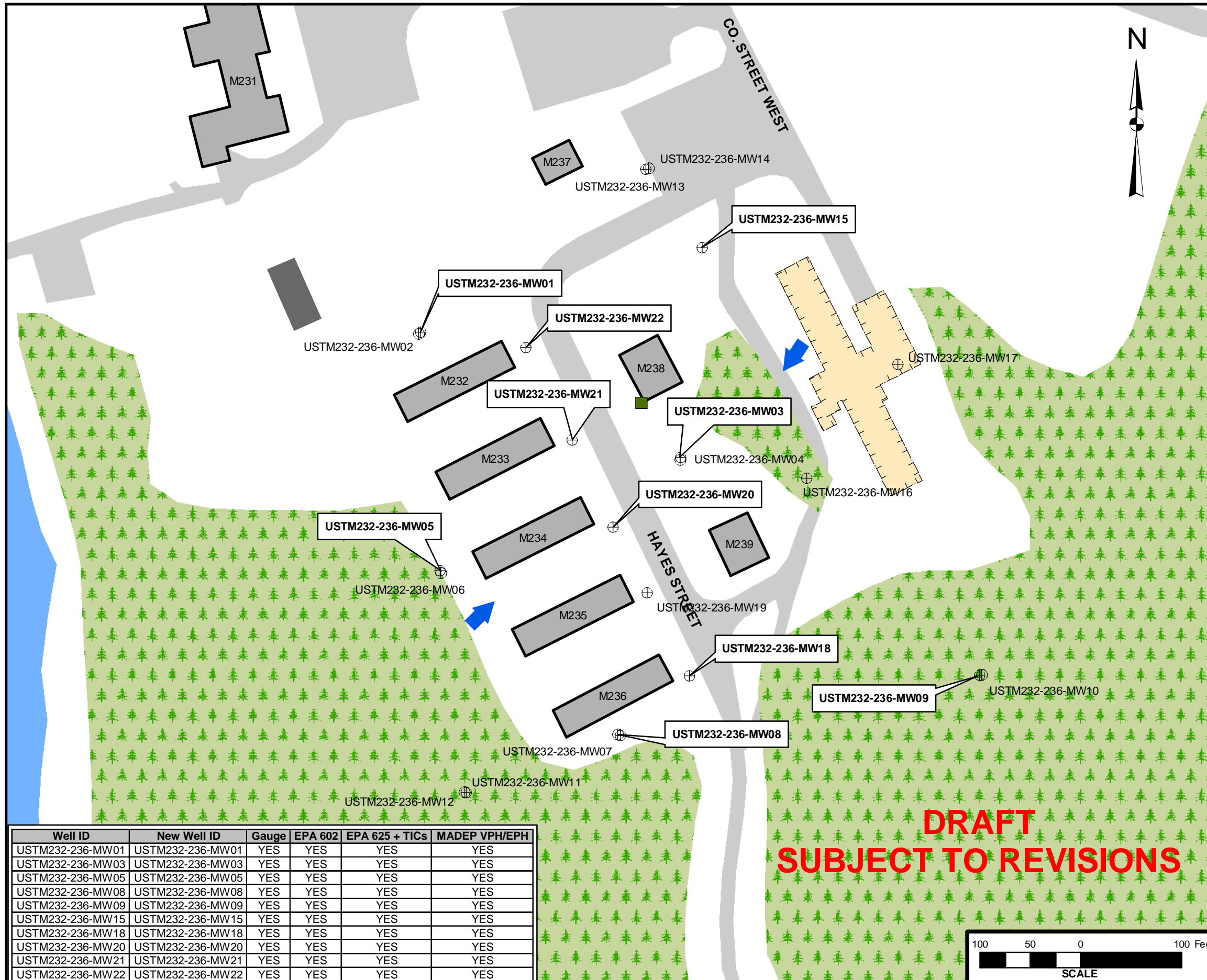


SITE M-232-236
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

16

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**DRAFT
SUBJECT TO REVISIONS**

Well ID	New Well ID	Gauge	EPA 602	EPA 625 + TICs	MADEP VPH/EPH
USTM232-236-MW01	USTM232-236-MW01	YES	YES	YES	YES
USTM232-236-MW03	USTM232-236-MW03	YES	YES	YES	YES
USTM232-236-MW05	USTM232-236-MW05	YES	YES	YES	YES
USTM232-236-MW08	USTM232-236-MW08	YES	YES	YES	YES
USTM232-236-MW09	USTM232-236-MW09	YES	YES	YES	YES
USTM232-236-MW15	USTM232-236-MW15	YES	YES	YES	YES
USTM232-236-MW18	USTM232-236-MW18	YES	YES	YES	YES
USTM232-236-MW20	USTM232-236-MW20	YES	YES	YES	YES
USTM232-236-MW21	USTM232-236-MW21	YES	YES	YES	YES
USTM232-236-MW22	USTM232-236-MW22	YES	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells	Buildings and Structures	Vegetation Cover
⊕ Type I	Demolished Structures	Forestland
⊕ Type II	Oil/Water Separators	Scrubland
⊕ Type III	Slabs	Wetland
⊕ Pumping Well	Roads	Airfield Pavement
⊕ Unknown Well Type	Driveways	HELIPAD
● Water Supply Wells	Parking Lots	RAMP
■ Above Ground Storage Tank	Surface Water Bodies	RUNWAY
■ Underground Storage Tank	Creeks and Streams	SHLDR_OVERRUN
— Railroad Tracks		TAXIWAY
Walls and Fences		
⊗ FENCE		
△ GATE		
— WALL		

NOTES

1. Groundwater sampling currently not being performed at any of these three sites.
2. CATLIN recommends one groundwater sample be collected at each of these sites between January 1 and January 31, 2007. Results due to CATLIN in EDD Format by March 1, 2007.
3. The groundwater sample collected at each of these sites should be analyzed per EPA Method 610 and MADEP VPH/EPH.

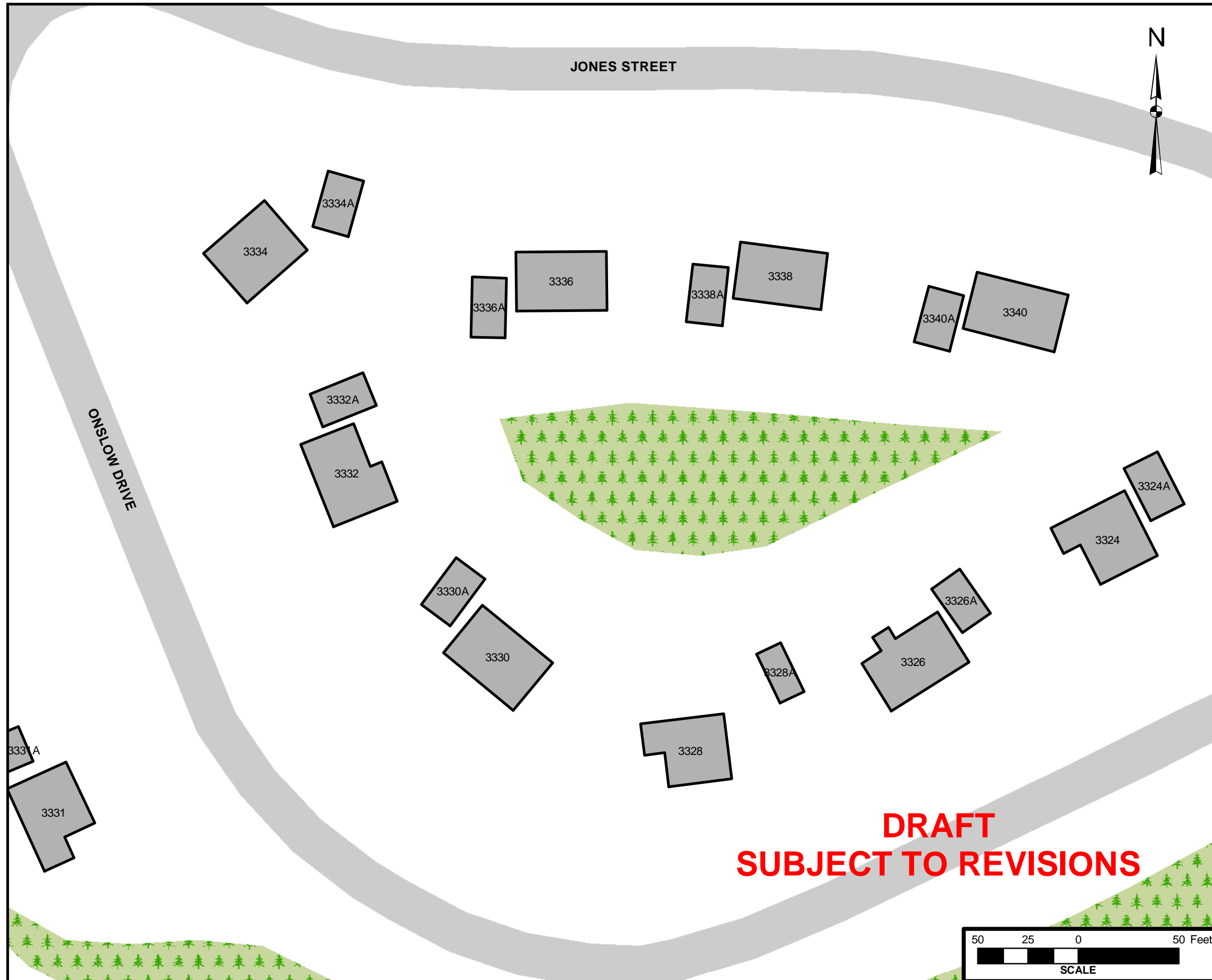


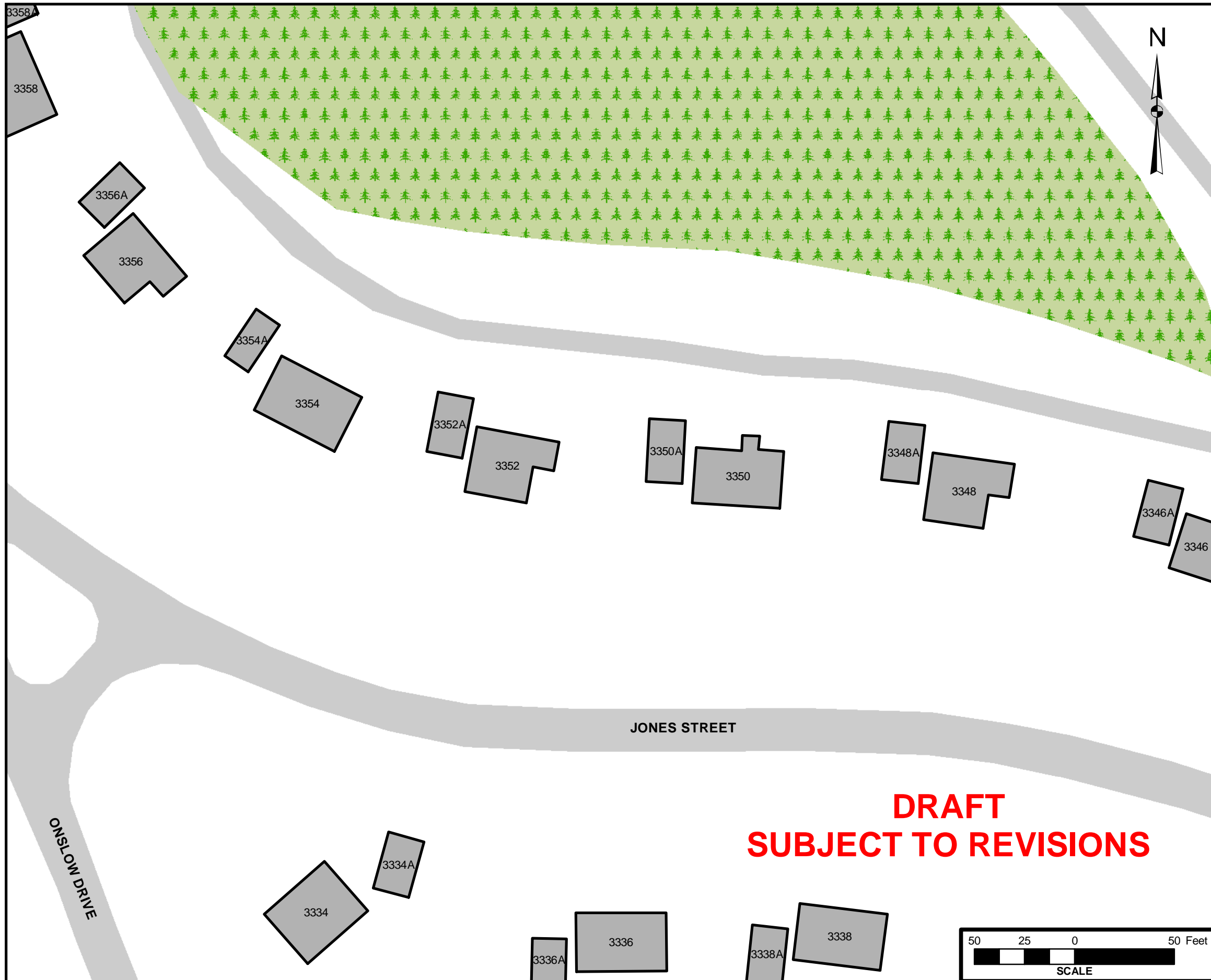
SITES PP-3326, PP-3330, AND PP-3332
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

17

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

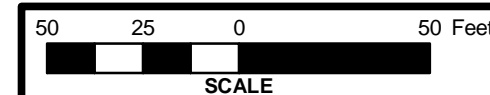
Monitoring Wells		Buildings and Structures	Vegetation Cover
Type I	Demolished Structures	Forestland	Scrubland
Type II	Oil/Water Separators	Wetland	Airfield Pavement
Type III	Slabs	Roads	HELIPAD
Pumping Well	Driveways	Parking Lots	RAMP
Unknown Well Type	Surface Water Bodies	Creeks and Streams	RUNWAY
Water Supply Wells	Railroad Tracks		SHLDR_OVERRUN
Above Ground Storage Tank	Walls and Fences		TAXIWAY
Underground Storage Tank	FENCE		
	GATE		
	WALL		

NOTES

1. Groundwater sampling currently not being performed at this site.
2. CATLIN recommends one groundwater sample be collected at this site between January 1 and January 31, 2007. Results due to CATLIN in EDD Format by March 1, 2007.
3. The groundwater sample collected at this site should be analyzed per EPA Method 610 and MADEP VPH/EPH.



DRAFT
SUBJECT TO REVISIONS



SITE PP-3350 MONITORING PLAN SECOND SEMESTER 2006/ FIRST SEMESTER 2007				FIGURE 20
Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Type I	Buildings and Structures	Forestland
Type II	Demolished Structures	Scrubland
Type III	Oil/Water Separators	Wetland
Pumping Well	Slabs	Airfield Pavement
Unknown Well Type	Roads	HELIPAD
Water Supply Wells	Driveways	RAMP
Above Ground Storage Tank	Parking Lots	RUNWAY
Underground Storage Tank	Surface Water Bodies	SHLDR_OVERRUN
Railroad Tracks	Creeks and Streams	TAXIWAY
Walls and Fences	Groundwater Flow Direction	
FENCE		
GATE		
WALL		

NOTES

- Monitoring schedule will be modified to semi-annual gauging and biennial sampling by Sovereign. **Sampling will not be conducted until January 2008.**
- Gauging to be completed between July 1 and July 31, 2006. Results due to CATLIN in EDD Format by September 1, 2006.
- Gauging to be completed between January 1 and January 31, 2007. Results due to CATLIN in EDD Format by March 1, 2007.

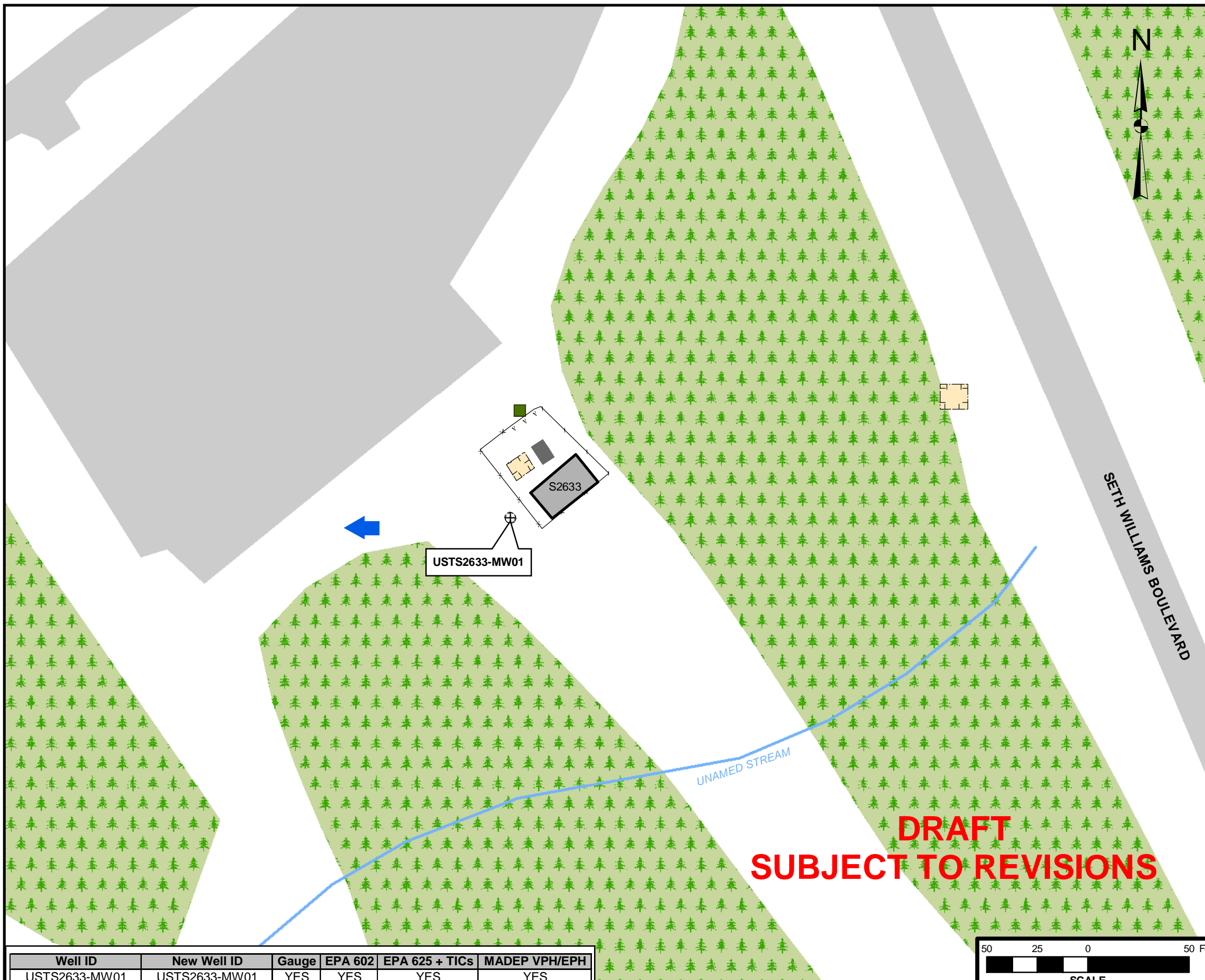


SITE S-2633
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

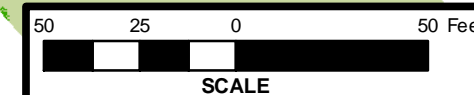
21

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**DRAFT
SUBJECT TO REVISIONS**

Well ID	New Well ID	Gauge	EPA 602	EPA 625 + TICs	MADEP VPH/EPH
USTS2633-MW01	USTS2633-MW01	YES	YES	YES	YES



MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

- | | | |
|--|--|--|
| Monitoring Wells
○ Type I
⊕ Type II
○ Type III
○ Pumping Well
□ Unknown Well Type
● Water Supply Wells
■ Above Ground Storage Tank
■ Underground Storage Tank
— Railroad Tracks
X FENCE
△ GATE
— WALL | Buildings and Structures
Demolished Structures
Oil/Water Separators
Slabs
Roads
Driveways
Parking Lots
Surface Water Bodies
Creeks and Streams
Groundwater Flow Direction | Vegetation Cover
Forestland
Scrubland
Wetland
Airfield Pavement
HELIPAD
RAMP
RUNWAY
SHLDR_OVERRUN
TAXIWAY |
|--|--|--|

NOTES

- Site sampling frequency to be modified to biennial. Therefore, as sampling was conducted in April 2006 the next sampling event will not be conducted until April 2008.

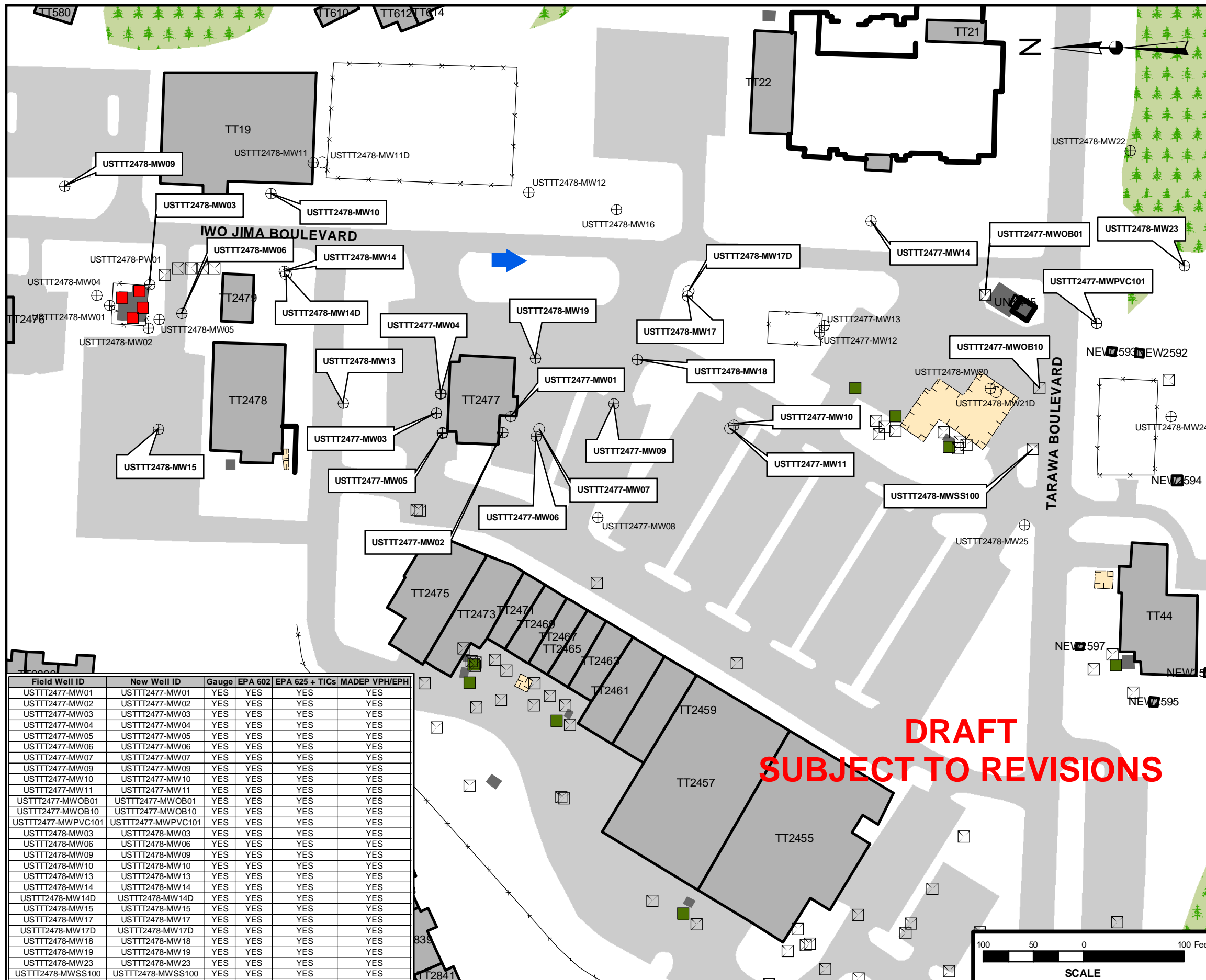


SITE TT-2477-78
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

22

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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Field Well ID	New Well ID	Gauge	EPA 602	EPA 625 + TICs	MADEP VPH/EPH
USTTT2477-MW01	USTTT2477-MW01	YES	YES	YES	YES
USTTT2477-MW02	USTTT2477-MW02	YES	YES	YES	YES
USTTT2477-MW03	USTTT2477-MW03	YES	YES	YES	YES
USTTT2477-MW04	USTTT2477-MW04	YES	YES	YES	YES
USTTT2477-MW05	USTTT2477-MW05	YES	YES	YES	YES
USTTT2477-MW06	USTTT2477-MW06	YES	YES	YES	YES
USTTT2477-MW07	USTTT2477-MW07	YES	YES	YES	YES
USTTT2477-MW09	USTTT2477-MW09	YES	YES	YES	YES
USTTT2477-MW10	USTTT2477-MW10	YES	YES	YES	YES
USTTT2477-MW11	USTTT2477-MW11	YES	YES	YES	YES
USTTT2477-MWOB01	USTTT2477-MWOB01	YES	YES	YES	YES
USTTT2477-MWOB10	USTTT2477-MWOB10	YES	YES	YES	YES
USTTT2477-MWPVC101	USTTT2477-MWPVC101	YES	YES	YES	YES
USTTT2478-MW03	USTTT2478-MW03	YES	YES	YES	YES
USTTT2478-MW06	USTTT2478-MW06	YES	YES	YES	YES
USTTT2478-MW09	USTTT2478-MW09	YES	YES	YES	YES
USTTT2478-MW10	USTTT2478-MW10	YES	YES	YES	YES
USTTT2478-MW13	USTTT2478-MW13	YES	YES	YES	YES
USTTT2478-MW14	USTTT2478-MW14	YES	YES	YES	YES
USTTT2478-MW14D	USTTT2478-MW14D	YES	YES	YES	YES
USTTT2478-MW15	USTTT2478-MW15	YES	YES	YES	YES
USTTT2478-MW17	USTTT2478-MW17	YES	YES	YES	YES
USTTT2478-MW17D	USTTT2478-MW17D	YES	YES	YES	YES
USTTT2478-MW18	USTTT2478-MW18	YES	YES	YES	YES
USTTT2478-MW19	USTTT2478-MW19	YES	YES	YES	YES
USTTT2478-MW23	USTTT2478-MW23	YES	YES	YES	YES
USTTT2478-MWSS100	USTTT2478-MWSS100	YES	YES	YES	YES

MCB CAMP LEJEUNE UST MANAGEMENT PROGRAM



LEGEND

Monitoring Wells ⊕ Type I ⊕ Type II ○ Type III ○ Pumping Well ⊠ Unknown Well Type ● Water Supply Wells ■ Above Ground Storage Tank ■ Underground Storage Tank — Railroad Tracks X FENCE △ GATE — WALL	Buildings and Structures Demolished Structures Oil/Water Separators Slabs Roads Driveways Parking Lots Surface Water Bodies Creeks and Streams Groundwater Flow Direction	Vegetation Cover Forestland Scrubland Wetland Airfield Pavement HELIPAD RAMP RUNWAY SHLDR_OVERRUN TAXIWAY
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NOTES

1. Site currently being sampled on an annual basis by Sovereign. CATLIN recommends the one on-site monitoring well be sampled immediately before scheduled soil excavation (September 2006).
2. Results from the groundwater sampling should be submitted to CATLIN in EDD Format.

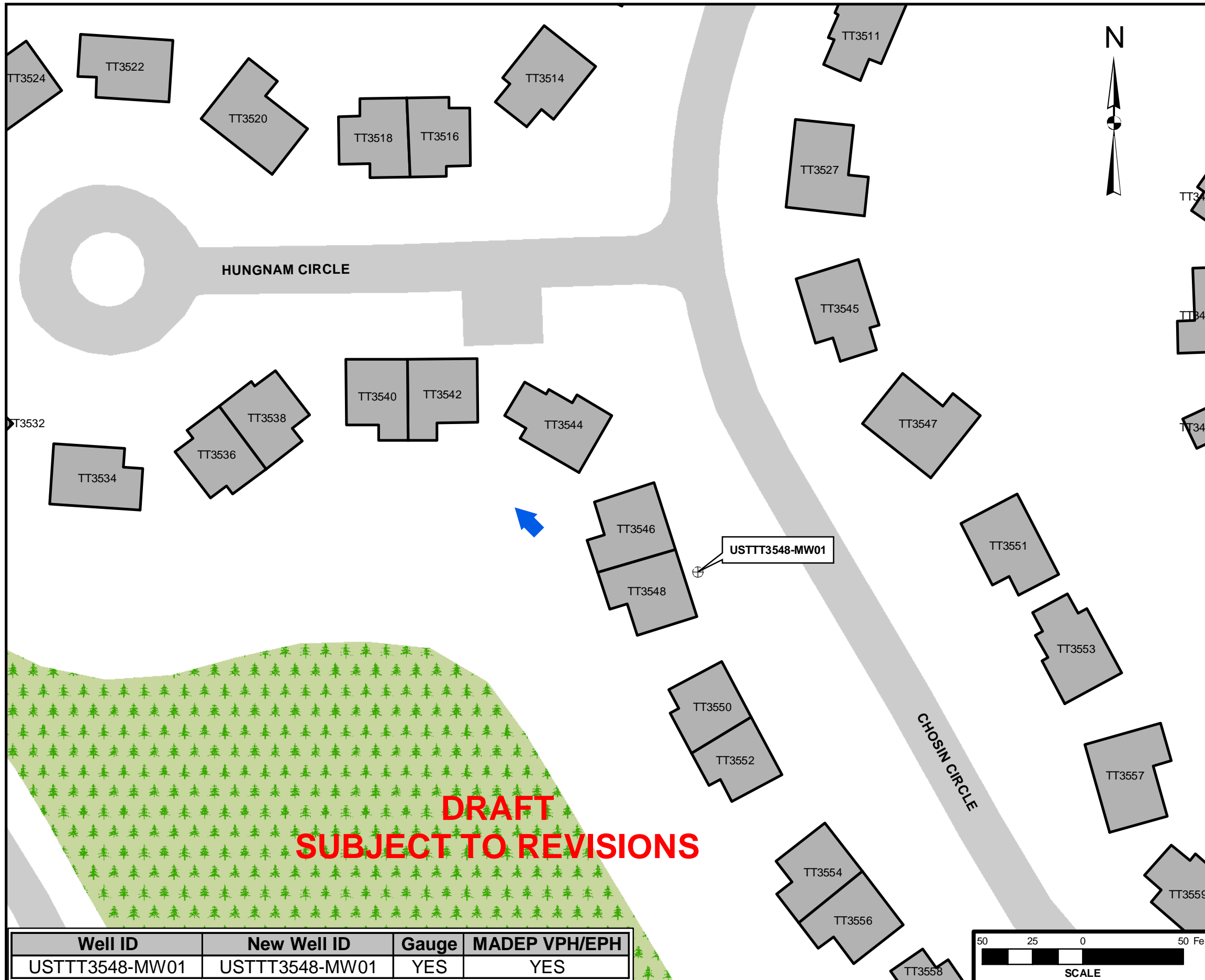


SITE TT-3548
MONITORING PLAN
SECOND SEMESTER 2006/
FIRST SEMESTER 2007

FIGURE

23

Job No.: 204-080	Date: JULY 2006	Scale: AS SHOWN	Drawn By: SAC	Checked By: MEM
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**DRAFT
SUBJECT TO REVISIONS**

Well ID	New Well ID	Gauge	MADEP VPH/EPH
USTTT3548-MW01	USTTT3548-MW01	YES	YES