

WORK PLAN

GROUNDWATER SAMPLING



Prepared for:

Camp Stanley Storage Activity
Boerne, Texas

Prepared by:

PARSONS

Austin, TX

December 2012

laboratory data trends, and the reasons for data collection. Based on the overall assessment of the data, flags may be removed or changed to reflect usability of the data. The basis for such changes will be detailed in the project summary report.

Electronic data submitted by the laboratories will be loaded into the CSSA GIS database, verified for accuracy, and updated to reflect all data qualifier changes incurred through the data verification and validation process. The data are to be supplied in Environmental Resource Program Information Management System (ERPIMS) compliant format.

2.4 REPORTING PROCEDURES

Various reports are required under the this scope of work, including: Quarterly Groundwater Monitoring Reports for September 2012, March 2013, and June 2013 sampling events; 2012 Annual Groundwater Report; Annual Fact Sheet; and Individual Off-Post Well Owner Letters. Specific reporting procedures will follow the provisions of the statement of work (SOW) and the procedures set out below.

2.4.1 Groundwater Reports

Results from quarterly groundwater sampling will be included in the quarterly groundwater reports for September, 2012, March 2013, and June 2013. Both an on-post and an off-post report will be prepared for each quarter. Results from the December 2012 quarterly event will be included with the other 2012 data in the 2012 Annual Groundwater Report. The preliminary analytical data for each event will be provided to CSSA within five days of receipt at Parsons. All reports will be prepared as both draft and final versions, with one round of government comments before issuance of the final reports. The reports will document the findings of contaminant concentration and delineation.

2.4.2 Report Distribution

From the field efforts for groundwater monitoring covered in this work plan, four reports will be submitted in draft and final versions. The draft version will be submitted to CSSA electronically, in Word and PDF formats. Parsons will incorporate CSSA comments into the final version. The final version will be submitted electronically. The final reports will be added electronically to the Environmental Encyclopedia website and the Document Management System (DMS). An electronic copy will also be posted to CSSA's FTP site.

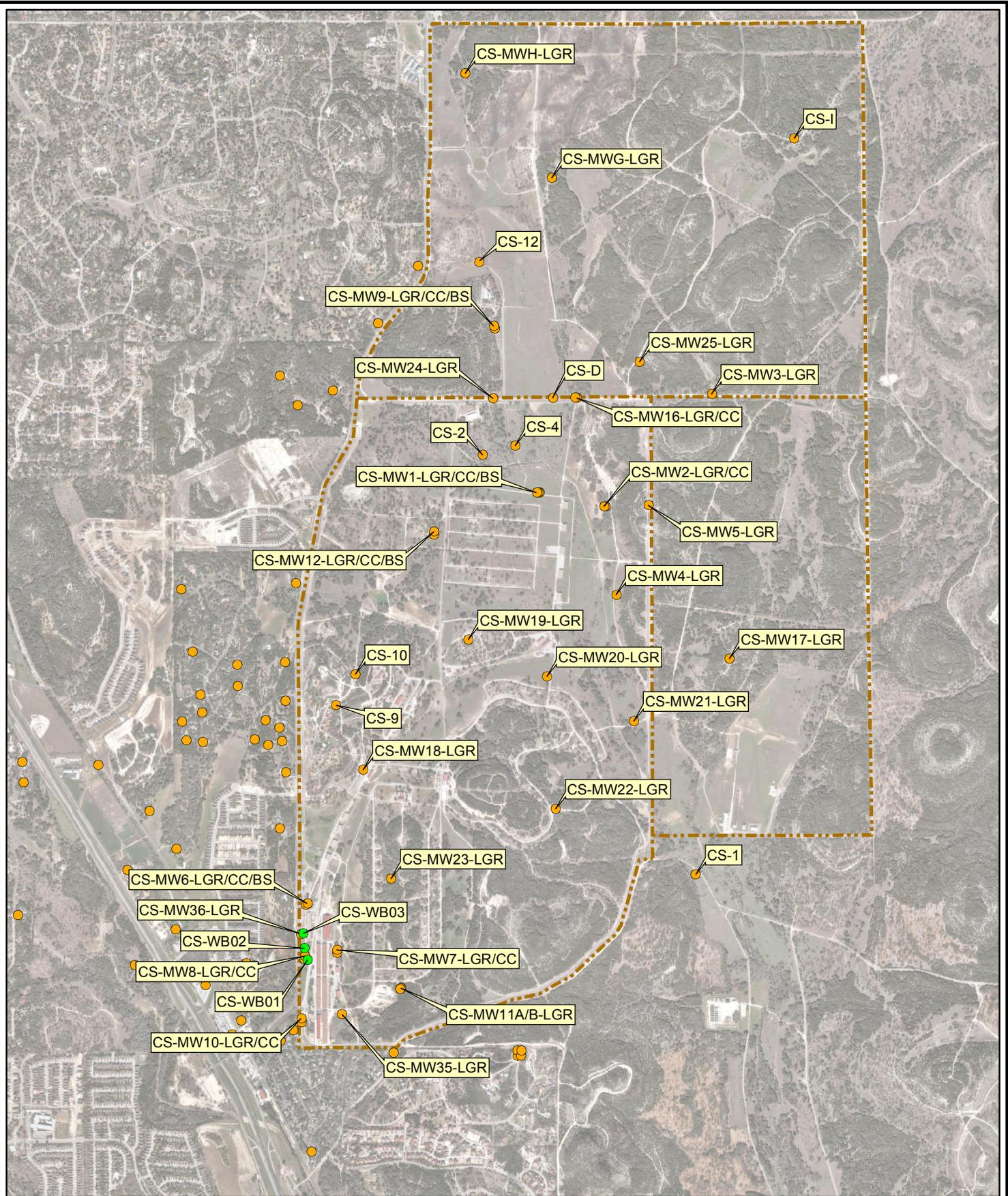
2.4.3 Annual Fact Sheet

Since 2000, CSSA has issued a fact sheet annually to approximately 200 residents, who live in the areas surrounding CSSA. Parsons will prepare this fact sheet in the spring in draft form and submit to CSSA electronically, in Word and PDF formats. Parsons will incorporate CSSA comments into the final version. The four-page sheet will provide an overview of quarterly groundwater sampling conducted during the prior year. Information includes a map of on- and off-post wells and analytical sampling results. Parsons will disseminate the final version of the fact sheet on behalf of CSSA, after the Installation Manager has approved it for distribution. The final Fact Sheet will be added electronically to the Environmental Encyclopedia website and the Document Management System (DMS). An electronic copy will also be posted to CSSA's FTP site.

Table 3-1 Groundwater Monitoring Schedule

ID	Task Name	Duration	Start	Finish	Predecessors	2013											
						4th Quarter			1st Quarter			2nd Quarter			3rd Quarter		
						Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	Task Order 2: Groundwater Monitoring	277 days	Mon 9/10/12	Tue 10/1/13		[Gantt bar spanning from Mon 9/10/12 to Tue 10/1/13]											
2	Work Plan Updates	60 days	Mon 9/10/12	Fri 11/30/12		[Gantt bar from Mon 9/10/12 to Fri 11/30/12]											
3	Quarterly Monitoring Events	250 days	Wed 10/3/12	Tue 9/17/13		[Gantt bar from Wed 10/3/12 to Tue 9/17/13]											
4	September 2012	45 days	Wed 10/3/12	Tue 12/4/12		[Gantt bar from Wed 10/3/12 to Tue 12/4/12]											
5	<i>Quarterly Reports (Draft, Comments, Final)</i>	45 days	Wed 10/3/12	Tue 12/4/12		[Gantt bar from Wed 10/3/12 to Tue 12/4/12]											
6	<i>Well Owner Letters</i>	45 days	Wed 10/3/12	Tue 12/4/12		[Gantt bar from Wed 10/3/12 to Tue 12/4/12]											
7	December 2012	75 days	Mon 11/12/12	Fri 2/22/13		[Gantt bar from Mon 11/12/12 to Fri 2/22/13]											
8	<i>GW Sampling (Prep and Fieldwork)</i>	25 days	Mon 11/12/12	Fri 12/14/12		[Gantt bar from Mon 11/12/12 to Fri 12/14/12]											
9	<i>Annual Report (Draft, Comments, Final)</i>	125 days	Mon 12/24/12	Fri 6/14/13	8FS+5 days	[Gantt bar from Mon 12/24/12 to Fri 6/14/13]											
10	<i>Well Owner Letters</i>	45 days	Mon 12/17/12	Fri 2/15/13		[Gantt bar from Mon 12/17/12 to Fri 2/15/13]											
11	March 2013	75 days	Mon 2/11/13	Fri 5/24/13		[Gantt bar from Mon 2/11/13 to Fri 5/24/13]											
12	<i>GW Sampling (Prep and Fieldwork)</i>	25 days	Mon 2/11/13	Fri 3/15/13		[Gantt bar from Mon 2/11/13 to Fri 3/15/13]											
13	<i>Quarterly Reports (Draft, Comments, Final)</i>	45 days	Mon 3/25/13	Fri 5/24/13	12FS+5 days	[Gantt bar from Mon 3/25/13 to Fri 5/24/13]											
14	<i>Well Owner Letters</i>	45 days	Fri 3/15/13	Thu 5/16/13		[Gantt bar from Fri 3/15/13 to Thu 5/16/13]											
15	June 2013	75 days	Mon 5/13/13	Fri 8/23/13		[Gantt bar from Mon 5/13/13 to Fri 8/23/13]											
16	<i>GW Sampling (Prep and Fieldwork)</i>	25 days	Mon 5/13/13	Fri 6/14/13		[Gantt bar from Mon 5/13/13 to Fri 6/14/13]											
17	<i>Quarterly Reports (Draft, Comments, Final)</i>	45 days	Mon 6/24/13	Fri 8/23/13	16FS+5 days	[Gantt bar from Mon 6/24/13 to Fri 8/23/13]											
18	<i>Well Owner Letters</i>	45 days	Fri 6/14/13	Thu 8/15/13		[Gantt bar from Fri 6/14/13 to Thu 8/15/13]											
19	September 2013	25 days	Mon 8/12/13	Fri 9/13/13		[Gantt bar from Mon 8/12/13 to Fri 9/13/13]											
20	<i>GW Sampling (Prep and Fieldwork)</i>	25 days	Mon 8/12/13	Fri 9/13/13		[Gantt bar from Mon 8/12/13 to Fri 9/13/13]											
21	Annual Fact Sheet	25 days	Mon 3/25/13	Fri 4/26/13	12FS+5 days	[Gantt bar from Mon 3/25/13 to Fri 4/26/13]											
22	Granular Activated Carbon (GAC) System O&M	260 days	Mon 9/10/12	Fri 9/6/13		[Gantt bar from Mon 9/10/12 to Fri 9/6/13]											
23	Carbon Exchange, 6-Month	1 day	Wed 1/9/13	Wed 1/9/13		[Vertical tick mark on Jan 9, 2013]											
24	Carbon Exchange, 6-Month	1 day	Tue 7/9/13	Tue 7/9/13		[Vertical tick mark on Jul 9, 2013]											
25	Filter Exchange, Every 3 Weeks	255 days	Mon 9/10/12	Fri 8/30/13		[Gantt bar from Mon 9/10/12 to Fri 8/30/13]											

Attachments 1 through 4
On-post and Off-post Groundwater Wells, CSSA



- On-Post Wells and Off-Post Wells
- Westbay Well
- CSSA Boundary

0 2,000 4,000
 Feet

Attachment 1

On-Post Ground Water Wells
 Camp Stanley Storage Activity

PARSONS



- On-Post Wells and Off-Post Wells
- CSSA Boundary



Attachment 2
Western Off-Post Ground Water Wells Camp Stanley Storage Activity
PARSONS



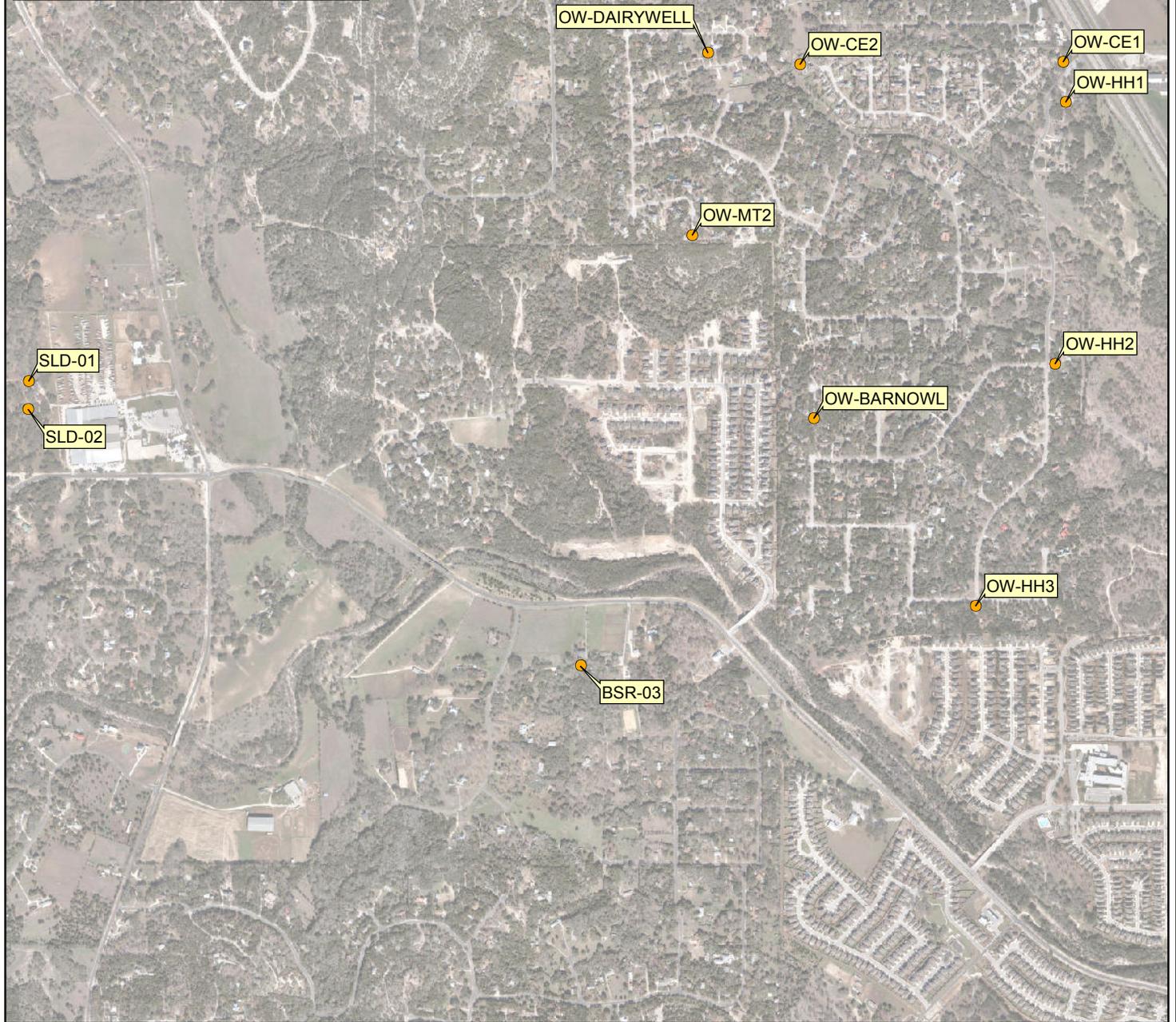
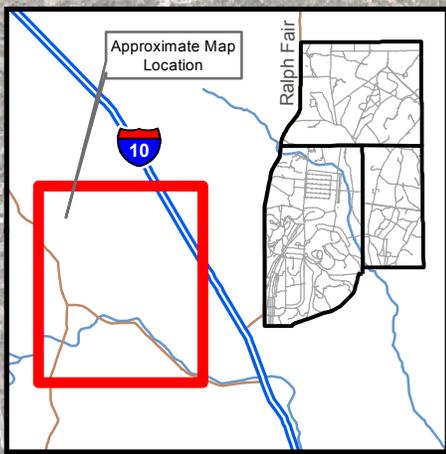
- On-Post Wells and Off-Post Wells
- Westbay Well
- CSSA Boundary



Attachment 3

South Western Off-Post Ground Water Wells
Camp Stanley Storage Activity

PARSONS



● Off-Post Wells

0 1,000 2,000
Feet

Attachment 4
Far Western Off-Post Ground Water Wells Camp Stanley Storage Activity
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