pdf of groundwater elevation maps

Margaret Osbourne to: Philip Dellinger, Lisa Pham, Jose Torres 09/12/2012 04:38 PM
Cc: William Honker, Wren Stenger

From: Margaret Osbourne/R6/USEPA/US
To: Philip Dellinger/R6/USEPA/US@EPA, Lisa Pham/R6/USEPA/US@EPA, Jose Torres/R6/USEPA/US@EPA
Cc: William Honker/R6/USEPA/US@EPA, Wren Stenger/R6/USEPA/US@EPA
History: This message has been replied to and forwarded.

Hi Phil and Lisa:

Attached is a 7-page pdf document. The first page is the Goliad project base map. Pages 2-5 are the individual, zoomed-in maps with groundwater elevations for Sands A, B, C, and D. Page 6 has the two columns of well data, and page 7 has the description of the wells that Lisa provided.

I'll take another stab at contouring and provide that to you tomorrow.

Thanks,
Margaret

UEC Groundwater Elevation Maps A-D.pdf

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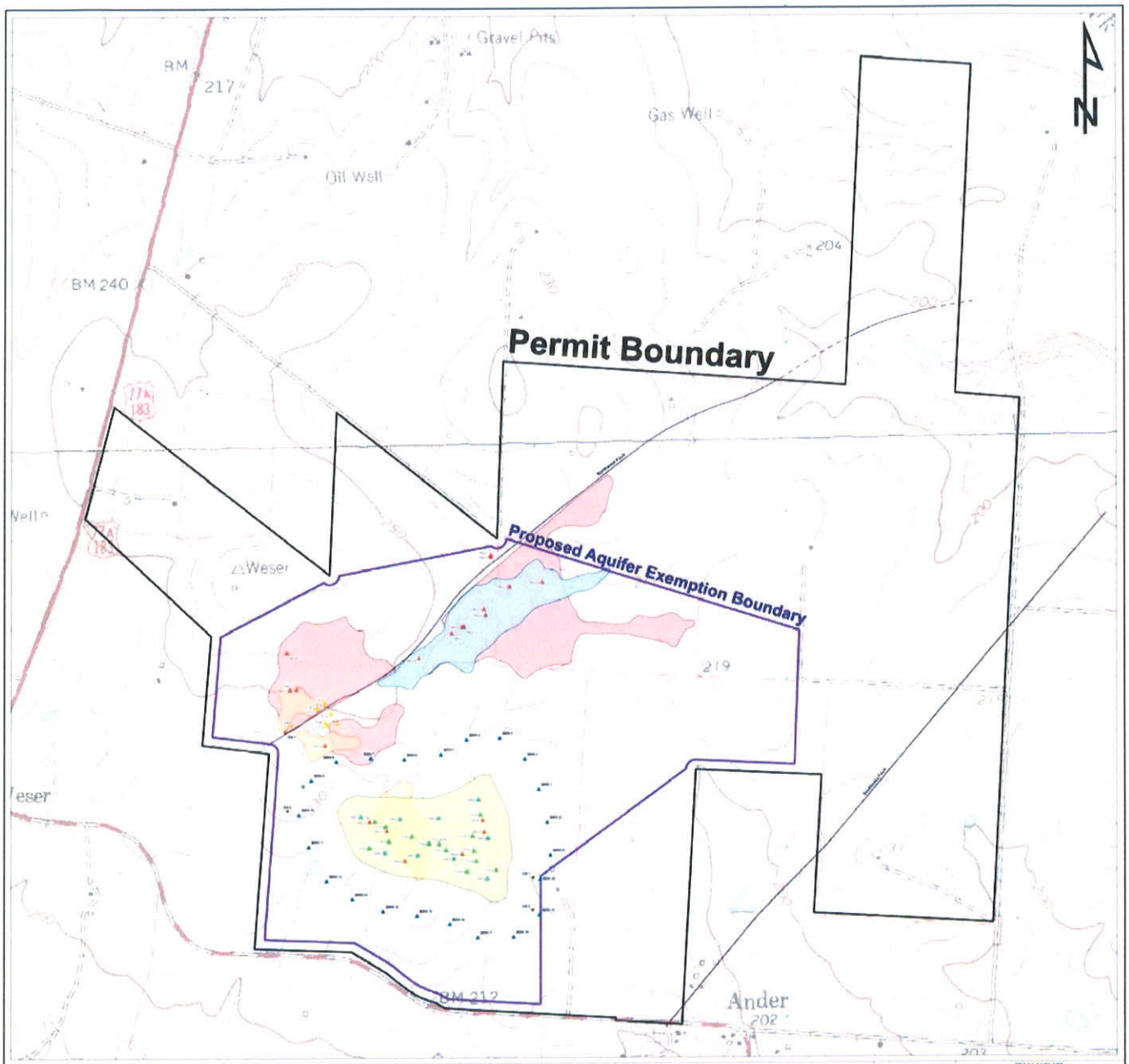
http://region6.epa.gov/intranet/6wq/owlr/index.html

00643.pdf



Goliad Project
Baseline Wells

0 500 1,000 2,000 3,000 Feet

Legend

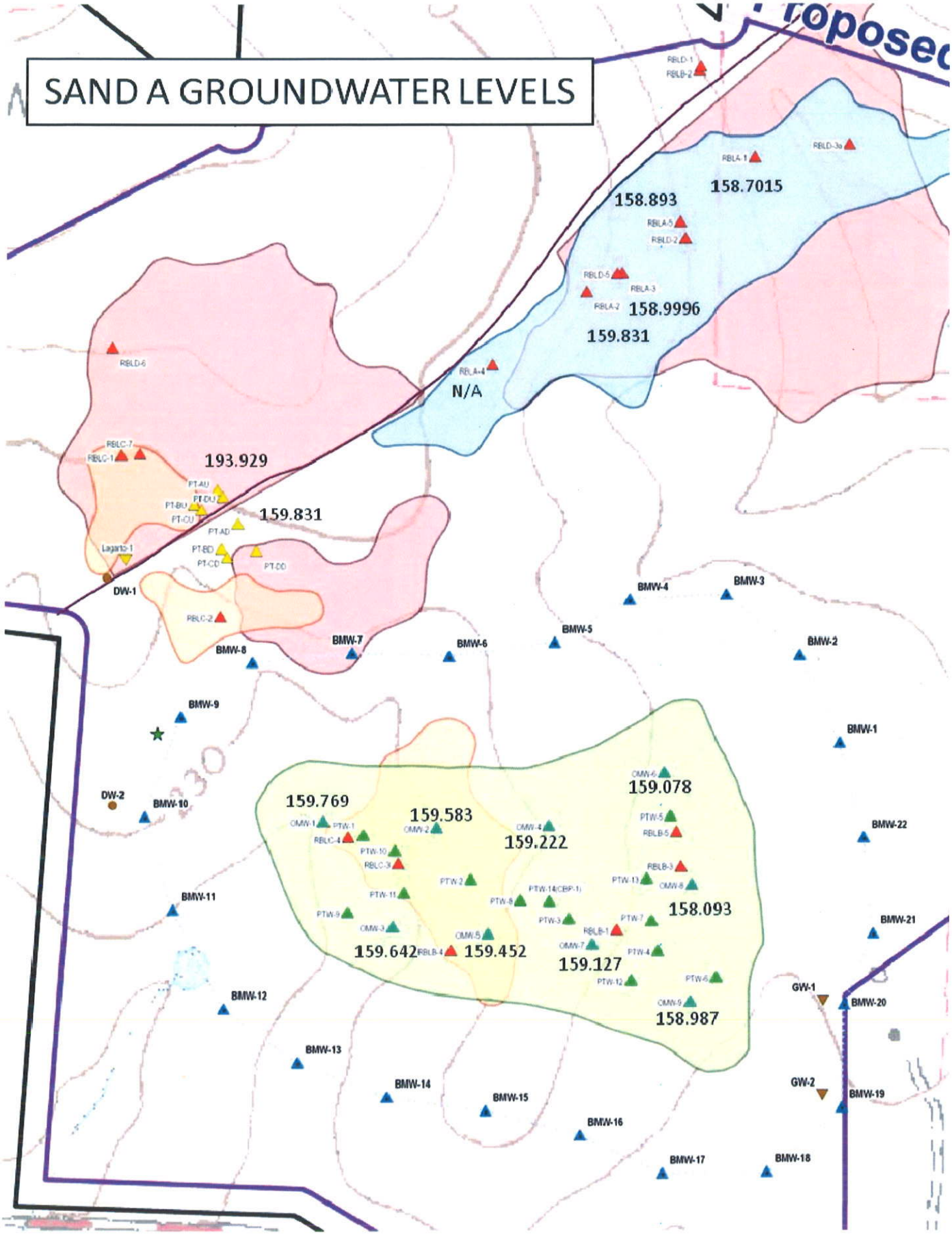
- Disposal Well
- Plant Location
- PA-1 Monitor Well
- Production Zone Guard Well
- Legacy Well
- Overlying Monitor Well (OMW)
- Fault Pump Test Well (FPT)
- Pump Test Well (PTW)
- Regional Baseline Well (RBL)
- Sand A
- Sand B
- Sand C
- Sand D
- Fault (AK 1-6-19)
- Fault Inferred (AK 1-6-10)
- Proposed Aquifer Exemption Boundary
- Permit Boundary
- USGS Topographic Basemap

UEC

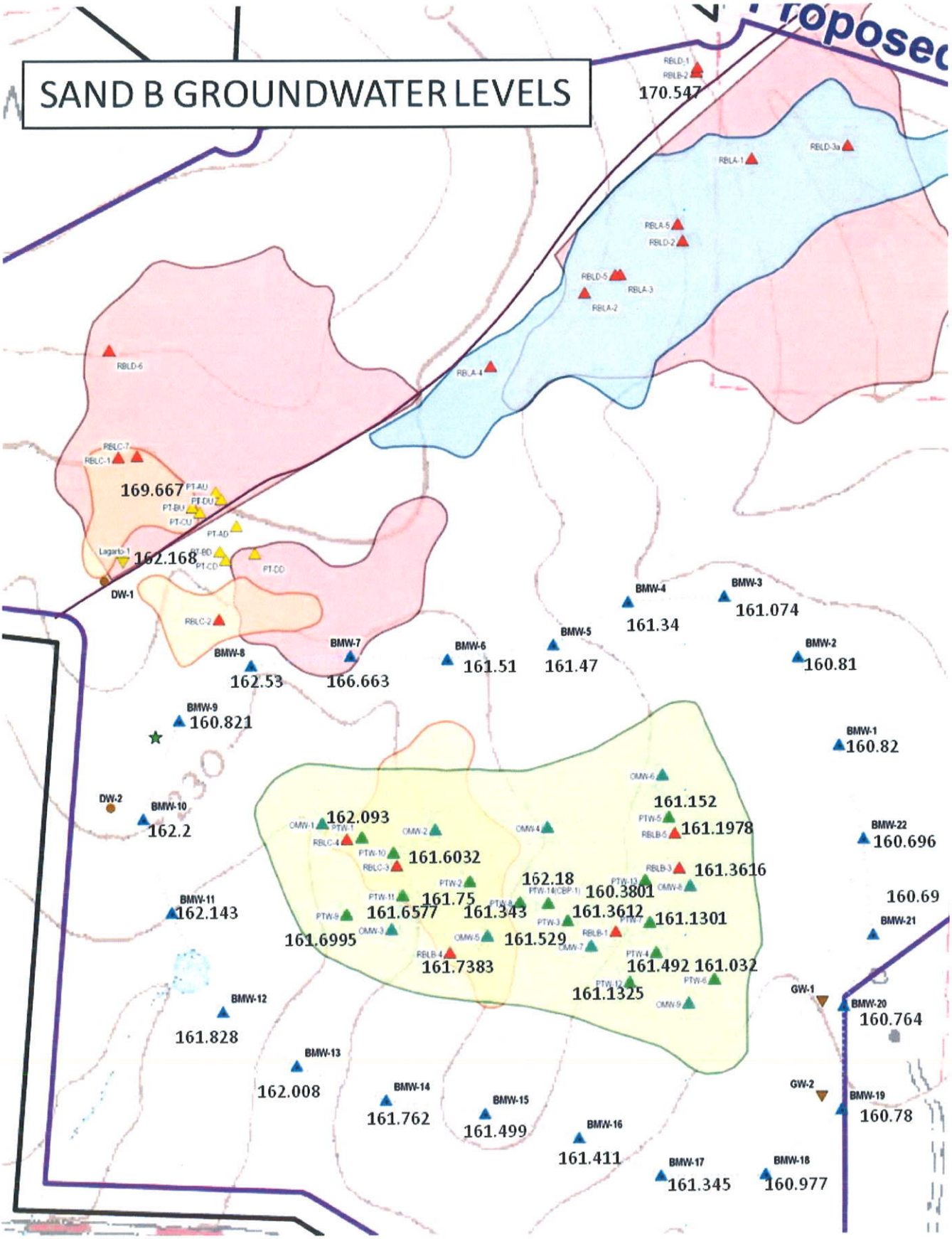
EXHIBIT

Drawn by: M.B.
Checked by: C.H.
Date: January 7, 2010

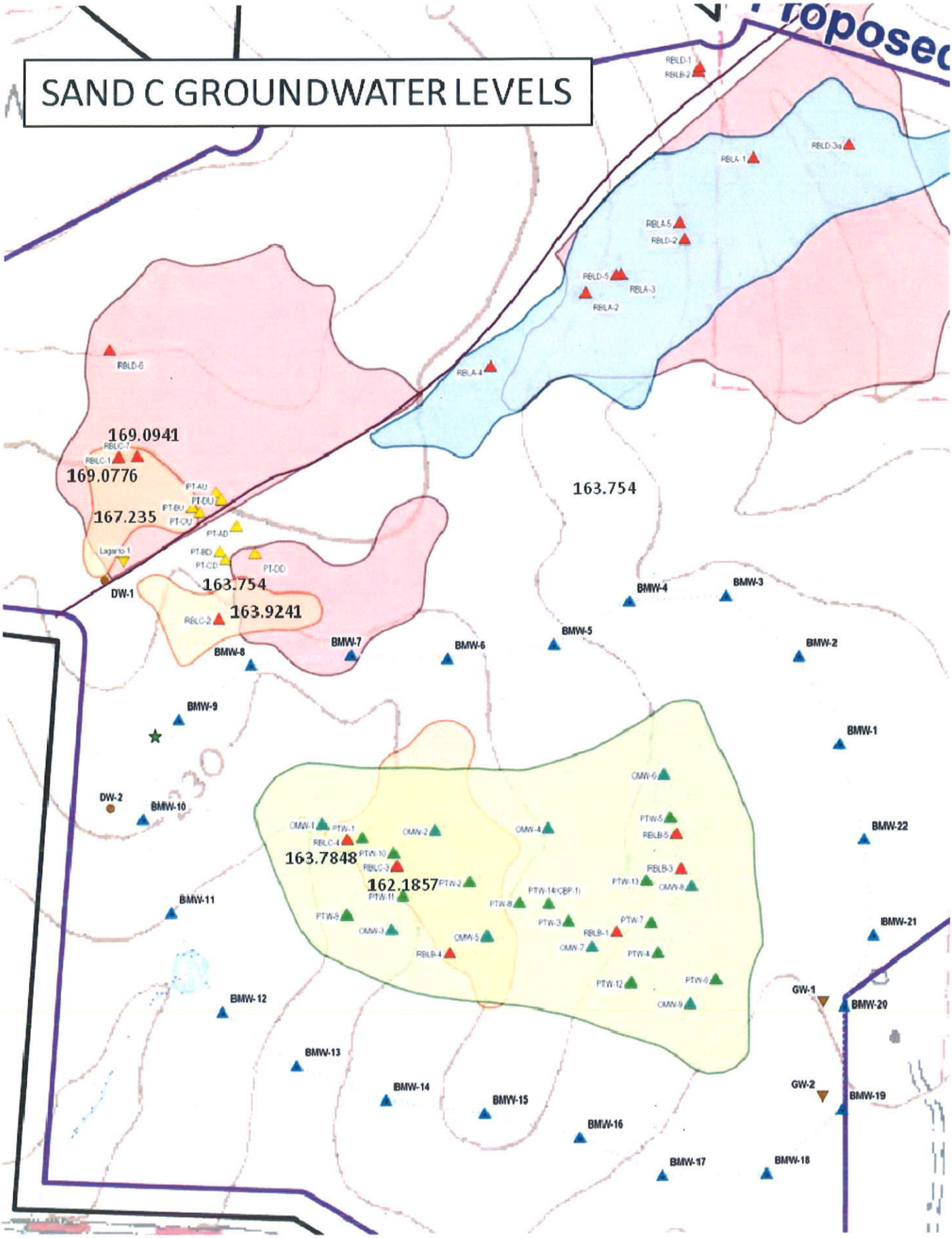
SAND A GROUNDWATER LEVELS



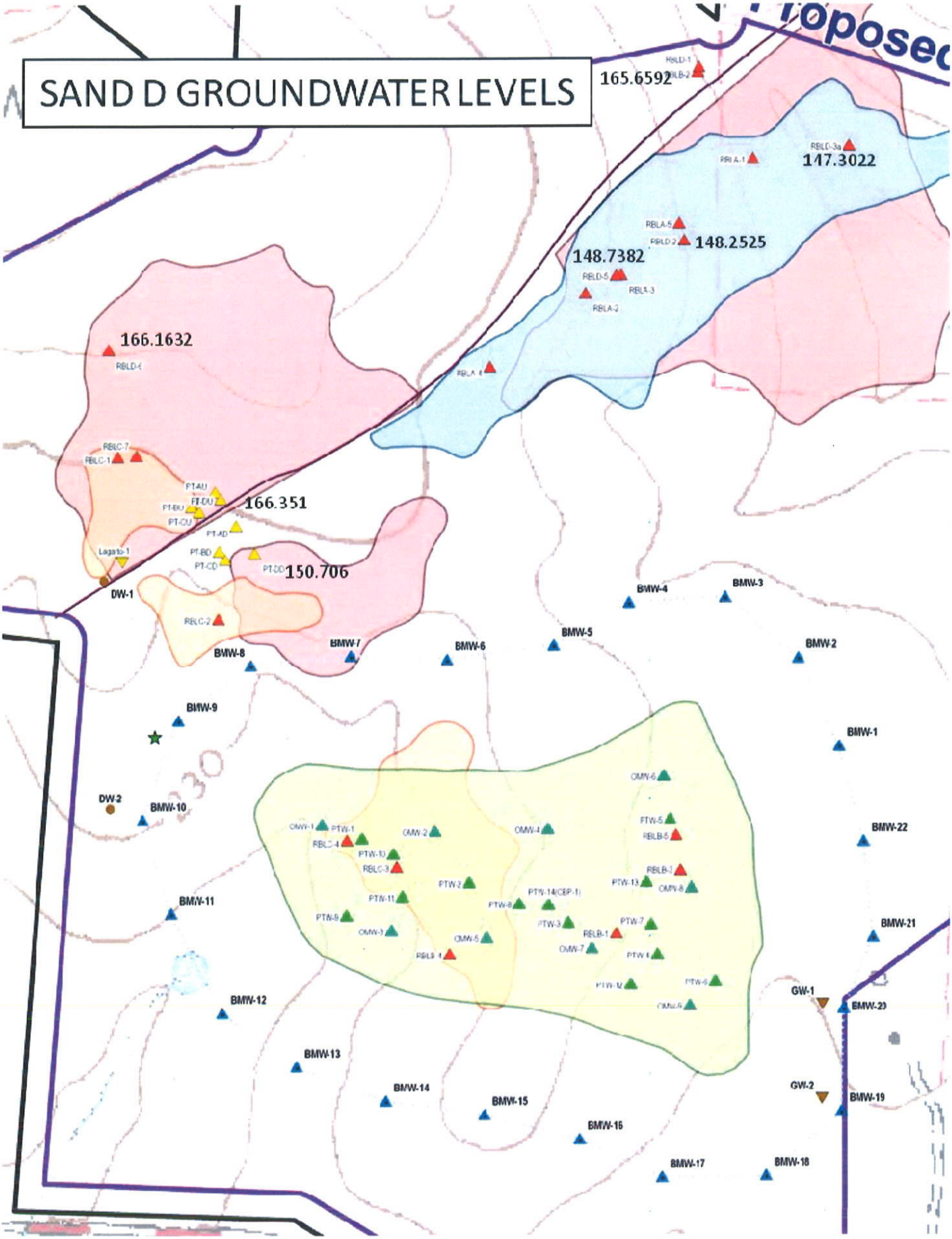
SAND B GROUNDWATER LEVELS



SAND C GROUNDWATER LEVELS



SAND D GROUNDWATER LEVELS



S.No.	WELL #	Water Levels, ft	Water Levels, ft (MSL)
1	BMW-1	69.9	160.82
2	BMW-2	70.35	160.81
3	BMW-3	70.37	161.074
4	BMW-4	74.91	161.34
5	BMW-5	76.9	161.47
6	BMW-6	75.4	161.51
7	BMW-7	73	166.663
8	BMW-8	69.1	162.153
9	BMW-9	71.3	160.821
10	BMW-10	65.6	162.2
11	BMW-11	55.3	162.143
12	BMW-12	55.28	161.828
13	BMW-13	63.75	162.008
14	BMW-14	72.75	161.762
15	BMW-15	78.35	161.499
16	BMW-16	71.27	161.411
17	BMW-17	65.9	161.345
18	BMW-18	64.2	160.977
19	BMW-19	67.05	160.78
20	BMW-20	68.45	160.764
21	BMW-21	68.37	160.69
22	BMW-22	69.05	160.696
23	OMW-1	63.8	159.769
24	OMW-2	72.85	159.583
25	OMW-3	69.21	159.642
26	OMW-4	78.7	159.222
27	OMW-5	78.15	159.452
28	OMW-6	76.65	159.078
29	OMW-7	77.85	159.127
30	OMW-8	74	158.938
31	OMW-9	71.4	158.987
32	PTW-1	64.4	162.093
33	PTW-2	74.2	161.75
34	PTW-3	77.4	161.529
35	PTW-4	71.9	161.492
36	PTW-5	73.85	161.152
37	PTW-6	68.9	161.032
38	PTW-7	73.2	161.1301
39	PTW-8	78.2	161.343
40	PTW-9	61.9	161.6995
41	PTW-10	67.2	161.6032
42	PTW-11	68	161.6577
43	PTW-12	72.97	161.1325
44	PTW-13	73.95	160.3801

S.No.	Well #	Water Levels, ft	Water Levels, ft (MSL)
45	CBP-1	78.25	161.18
46	PT-AU	55.35	193.929
47	PT-AD	85.6	159.831
48	PT-BU	75.2	169.667
49	PT-BD	80.37	162.168
50	PT-CU	77.25	167.235
51	PT-CD	78.1	163.754
52	PT-DU	81.64	166.351
53	PT-DD	92.56	150.706
54	WW-2	96.26	143.17
55	RBLA-1	64.75	158.7015
56	RBLA-2	83.54	158.983
57	RBLA-3	80.6	158.9996
58	RBLA-4	N/A	
59	RBLA-5	74.55	158.893
60	RBLB-1	74.4	161.3612
61	RBLB-2	51.65	170.5407
62	RBLB-3	71.71	161.3616
63	RBLB-4	73.1	161.7383
64	RBLB-5	73.55	161.1978
65	RBLC-1	77.88	169.0776
66	RBLC-2	70.65	163.9241
67	RBLC-3	65.1	162.1857
68	RBLC-4	60.8	163.7848
69	RBLC-7	77.15	169.0941
70	RBLD-1	56.15	165.5972
71	RBLD-2	84.8	148.2525
72	RBLD-3A	72.23	147.3022
73	RBLD-5	91.1	148.7382
74	RBLD-6	89.65	166.1632

1 to 22 – Monitoring Wells in Sand B (B=sand B, MW=monitoring well)

23 to 31 – Monitoring Wells (Overlying) in Sand A (O=overlying, MW=monitoring well)

32 to 44 – Wells in Sand B - Production Zone (PT=pump test, W=well)

45 - Well in Sand B – Core Production (C=core, B=sand B, P=production)

46 to 47 – Pump Test Wells in Sand A (PT=pump test, A=sand A, U=up dip, D=down dip)

48 to 49 – Pump Test Wells in Sand B (PT=pump test, B=sand B, U=up dip, D=down dip)

50 to 51 - Pump Test Wells in Sand C (PT=pump test, C=sand C, U=up dip, D=down dip)

52 to 53 - Pump Test Wells in Sand D (PT=pump test, first D=sand D, U=up dip, second D=down dip)

54 – Water Well (not sure which Sand?)

55 to 59 – Reasonable Baseline Wells in Sand A (RBL=reasonable baseline, A=sand A)

60 to 64 – Reasonable Baseline Wells in Sand B (RBL=reasonable baseline, B=sand B)

65 to 69 – Reasonable Baseline Wells in Sand C (RBL=reasonable baseline, C=sand C)

70 to 74 – Reasonable Baseline Wells in Sand D (RBL=reasonable baseline, D=sand D)