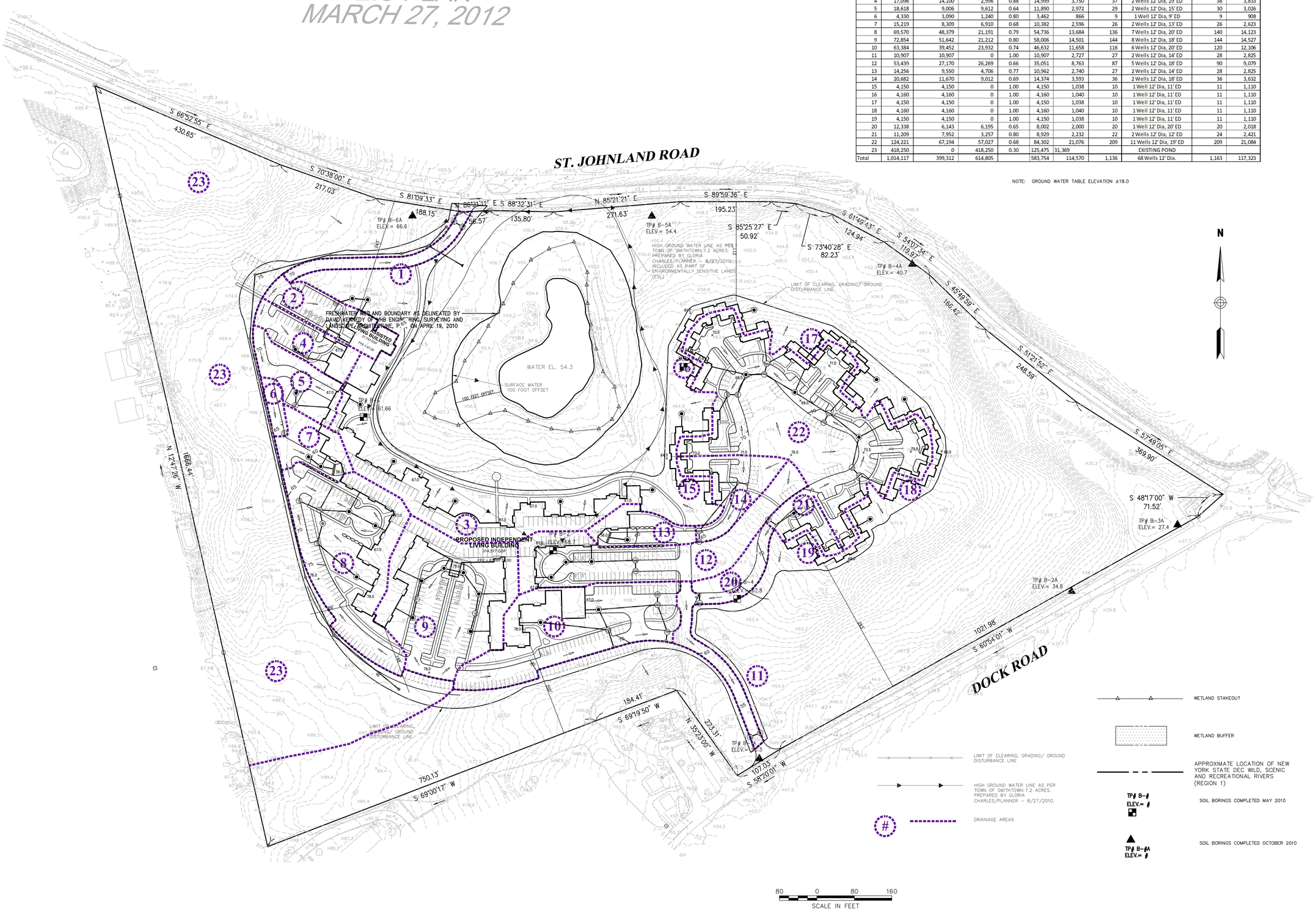
PRELIMINARY
DEIS PLAN
MARCH 27, 2012

Drainage Calculations

	DRAINAGE REQUIRED							DRAINAGE PROVIDED		
Tributary Area #	Total Area in SF	Impervious Area in SF, C=1.0	Pervious Area in SF, C=0.3	Weighted Average C	A X C in SF	Required Storage in CF	Required Depth in FT	Provided Structures	Provided Depth in FT	Provided Storage in CF
1	10,545	10,545	0	1.00	10,545	2,636	26	2 Wells 12' Dia, 14' ED	28	2,825
2	20,337	17,341	2,996	0.90	18,240	4,560	45	3 Wells 12' Dia, 16' ED	48	4,842
3	36,092	36,092	0	1.00	36,092	9,023	89	5 Wells 12' Dia, 18' ED	90	9,079
4	17,096	14,100	2,996	0.88	14,999	3,750	37	2 Wells 12' Dia, 19' ED	38	3,833
5	18,618	9,006	9,612	0.64	11,890	2,972	29	2 Wells 12' Dia, 15' ED	30	3,026
6	4,330	3,090	1,240	0.80	3,462	866	9	1 Well 12' Dia, 9' ED	9	908
7	15,219	8,309	6,910	0.68	10,382	2,596	26	2 Wells 12' Dia, 13' ED	26	2,623
8	69,570	48,379	21,191	0.79	54,736	13,684	136	7 Wells 12' Dia, 20' ED	140	14,123
9	72,854	51,642	21,212	0.80	58,006	14,501	144	8 Wells 12' Dia, 18' ED	144	14,527
10	63,384	39,452	23,932	0.74	46,632	11,658	116	6 Wells 12' Dia, 20' ED	120	12,106
11	10,907	10,907	0	1.00	10,907	2,727	27	2 Wells 12' Dia, 14' ED	28	2,825
12	53,439	27,170	26,269	0.66	35,051	8,763	87	5 Wells 12' Dia, 18' ED	90	9,079
13	14,256	9,550	4,706	0.77	10,962	2,740	27	2 Wells 12' Dia, 14' ED	28	2,825
14	20,682	11,670	9,012	0.69	14,374	3,593	36	2 Wells 12' Dia, 18' ED	36	3,632
15	4,150	4,150	0	1.00	4,150	1,038	10	1 Well 12' Dia, 11' ED	11	1,110
16	4,160	4,160	0	1.00	4,160	1,040	10	1 Well 12' Dia, 11' ED	11	1,110
17	4,150	4,150	0	1.00	4,150	1,038	10	1 Well 12' Dia, 11' ED	11	1,110
18	4,160	4,160	0	1.00	4,160	1,040	10	1 Well 12' Dia, 11' ED	11	1,110
19	4,150	4,150	0	1.00	4,150	1,038	10	1 Well 12' Dia, 11' ED	11	1,110
20	12,338	6,143	6,195	0.65	8,002	2,000	20	1 Well 12' Dia, 20' ED	20	2,018
21	11,209	7,952	3,257	0.80	8,929	2,232	22	2 Wells 12' Dia, 12' ED	24	2,421
22	124,221	67,194	57,027	0.68	84,302	21,076	209	11 Wells 12' Dia, 19' ED	209	21,084
23	418,250	0	418,250	0.30	125,475	31,369		EXISTING POND		
Total	1,014,117	399,312	614,805		583,754	114,570	1,136	68 Wells 12' Dia.	1,163	117,323

NOTE: GROUND WATER TABLE ELEVATION ±18.0



WETLAND STAKEOUT

WETLAND BUFFER

APPROXIMATE LOCATION OF NEW YORK STATE DEC WILD, SCENIC AND RECREATIONAL RIVERS (REGION 1)

TP# B-#
ELEV.= #
SOIL BORINGS COMPLETED MAY 2010

TP# B-#A
ELEV.= #
SOIL BORINGS COMPLETED OCTOBER 2010

LIMIT OF CLEARING, GRADING/ GROUND DISTURBANCE LINE

HIGH GROUND WATER LINE AS PER TOWN OF SMITHTOWN; 7.2 ACRES. PREPARED BY GLORIA CHARLES/PLANNER - 8/27/2010.

DRAINAGE AREAS

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No.	Revision	Date	Apprvd.
1	N.P&V COMMENTS	3/27/2012	CR

Designed by RD | Drawn by CR | Checked by RD
CAD checked by CR | Approved by BRM
Scale 1"=80' | Date November 23, 2011

Project Title
St. Johnland Residences II

St. Johnland Road
Kings Park, New York

Issued for
Not Approved for Construction

Drawing Title
Preliminary Grading and Drainage Plan

Drawing Number
GD-1

Sheet 1 of 1

Project Number
41161.03