APPENDIX S

MATERIALS IN SUPPORT OF RESPONSE TO FERTIGATION COMMENT, SECTION 1.6.6

P.W. Grosser Consulting, Inc.

Figure 1 – Shallow Well Location Map

Hills Vertical Profile Well Results	
Depth Interval (ft)	**Total Nitrogen (mg/L)**
40	28.7
65	13.20
75	9.92
85	8.85
95	10.60
105	14.30
115	4.00
125	1.71
135	11.20
145	3.52
155	4.06
165	3.29
175	5.13
Average* =	14.26

*Based on depths of 40-105 ft.

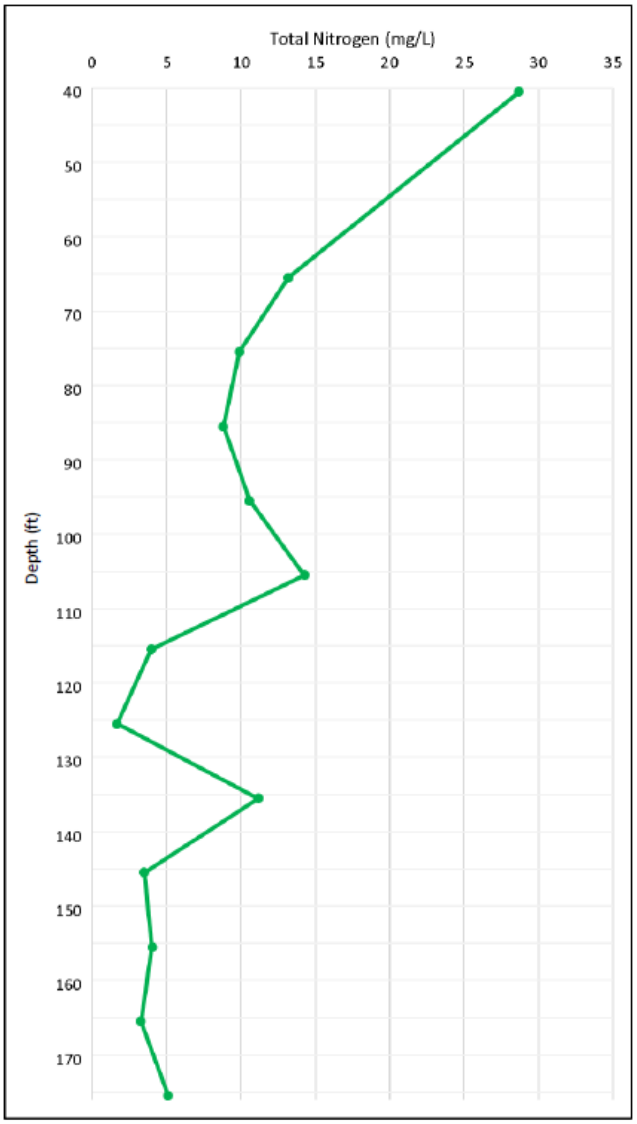


Figure 2 – Vertical Profile Well Sampling Results

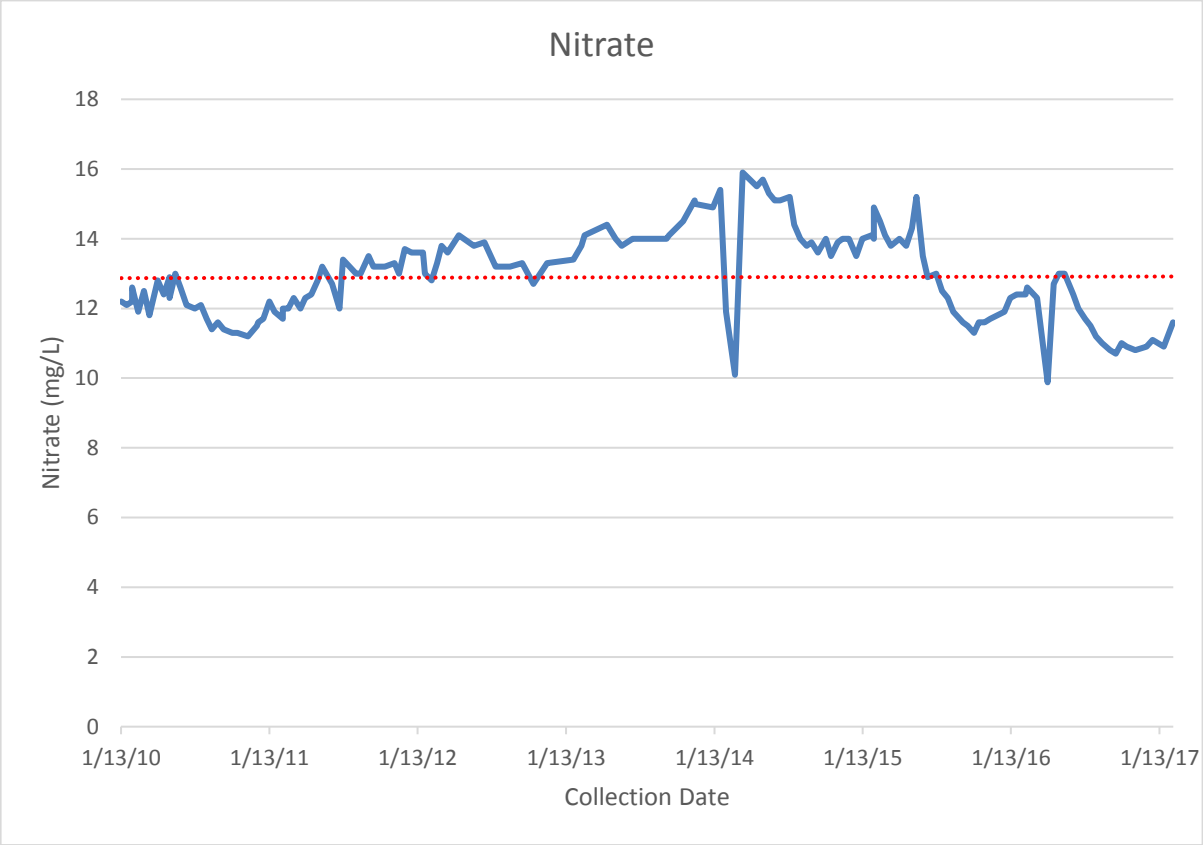
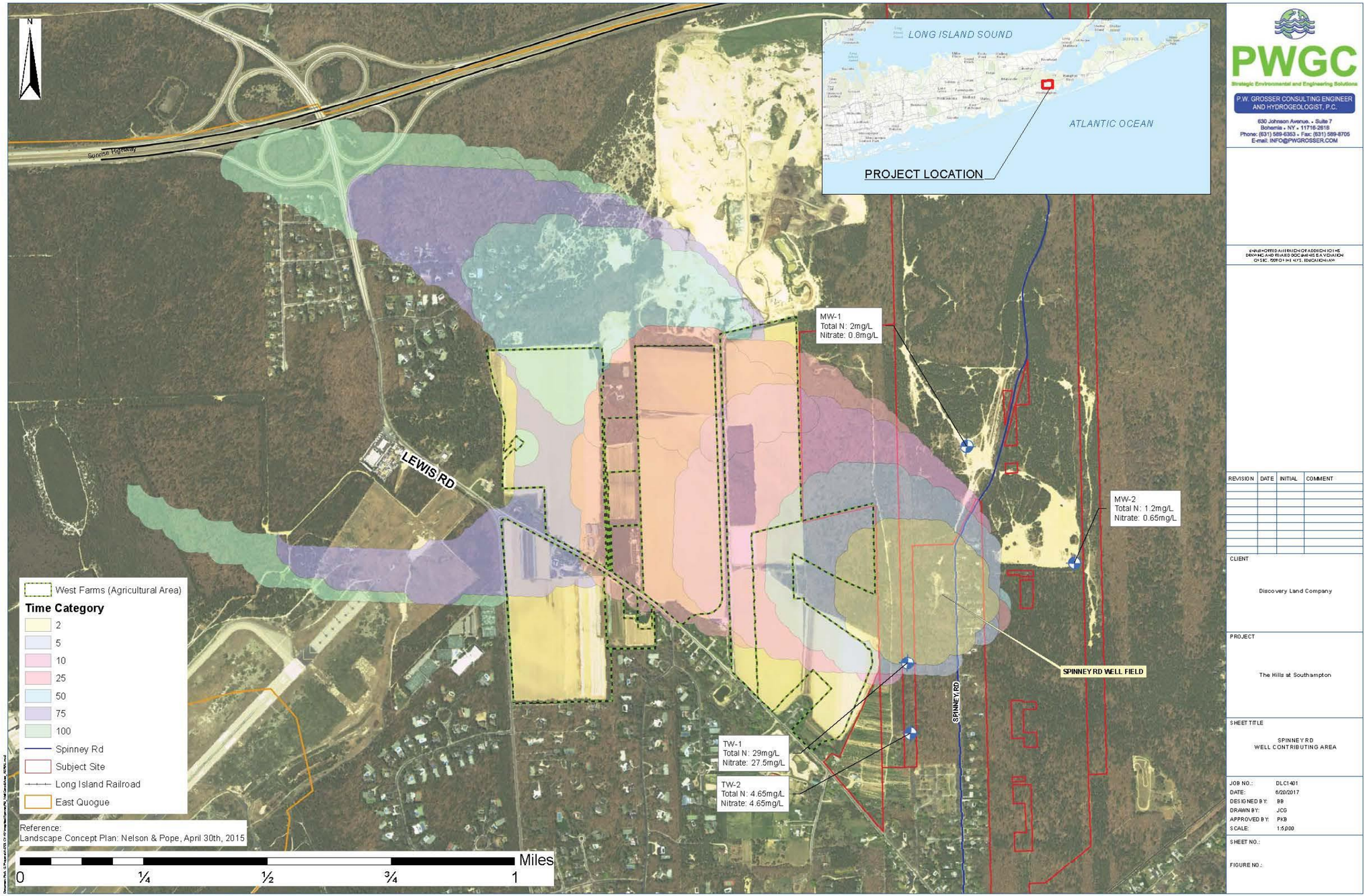


Figure 3 – SCWA Spinney Road Well # 2 – Nitrate Sampling Results



PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING ENGINEER AND HYDROGEOLOGIST, P.C.
630 Johnson Avenue, - Suite 7
Bohemia - NY - 11716-2618
Phone: (631) 589-6353 - Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

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REVISION	DATE	INITIAL	COMMENT

CLIENT
Discovery Land Company

PROJECT
The Hills at Southampton

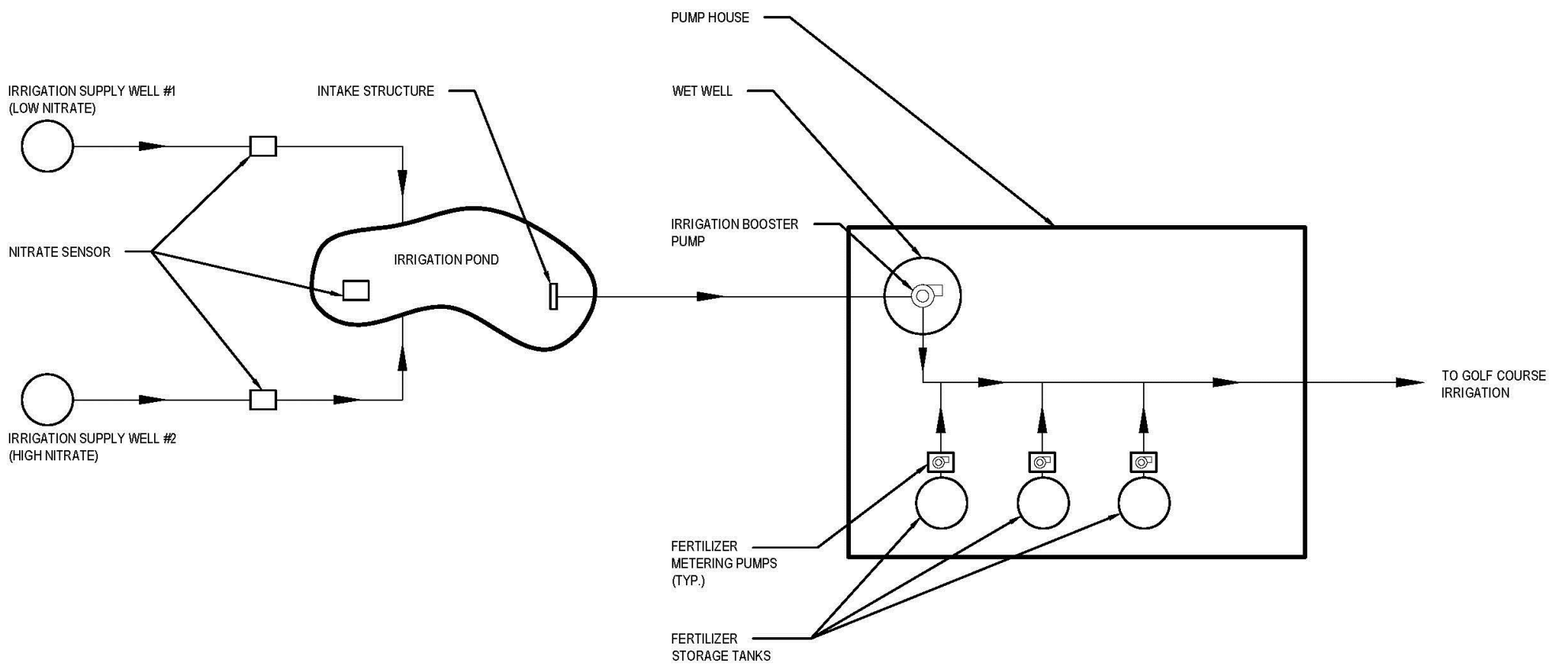
SHEET TITLE
SPINNEY RD
WELL CONTRIBUTING AREA

JOB NO.:	DLC1401
DATE:	6/20/2017
DESIGNED BY:	BB
DRAWN BY:	JCG
APPROVED BY:	PKB
SCALE:	1:5,000

SHEET NO.:

FIGURE NO.:

Figure 4 – SCWA Spinney Road Well # 2 – Contributing Area Map



IRRIGATION PROCESS FLOW DIAGRAM

SCALE: N.T.S.

PWGC
Strategic Environmental and Engineering Solutions
P.W. GROSSER CONSULTING, INC.
630 Johnson Avenue, • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

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Number	Revision Description	Revision Date

Designed By: BAG
Drawn By: MFS
Date Created: 6/20/17
Approved By: BAG
Scale: AS NOTED

Client:
DISCOVERY LAND COMPANY

Project:
THE HILLS

Project Address:
EAST QUOGUE
SUFFOLK COUNTY, NY

County Tax Map Number: -
Drawing Number: DLC1401
Irrigation Ext. Meters Number: -
Site Key:

IRRIGATION SYSTEM PROCESS FLOW DIAGRAM

Drawing Number: 1
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Figure 5 – Irrigation and Fertigation System Process Flow Diagram

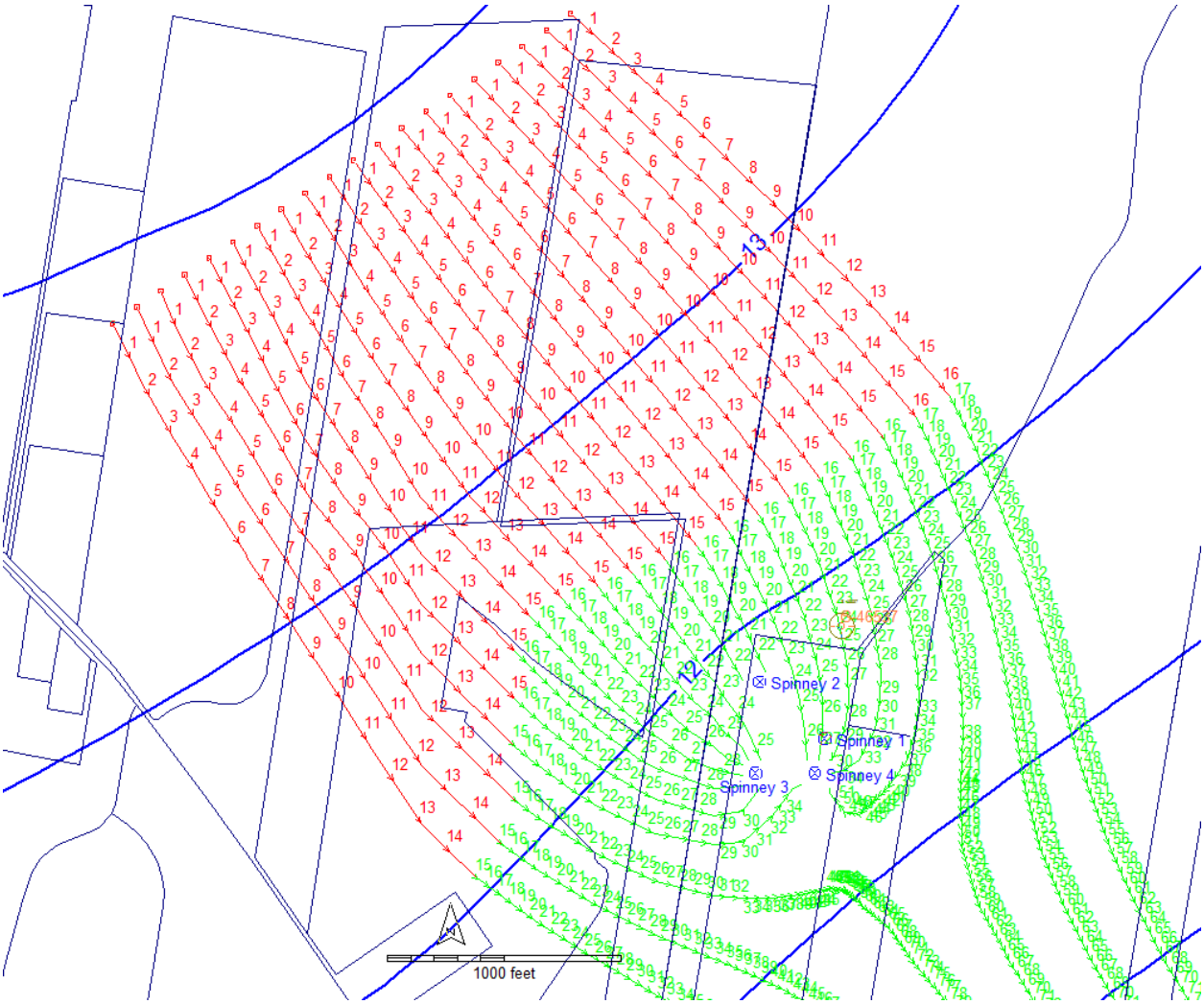

Figure 6 – Spinney Road Well #2 Operating at 38 gpm Steady State

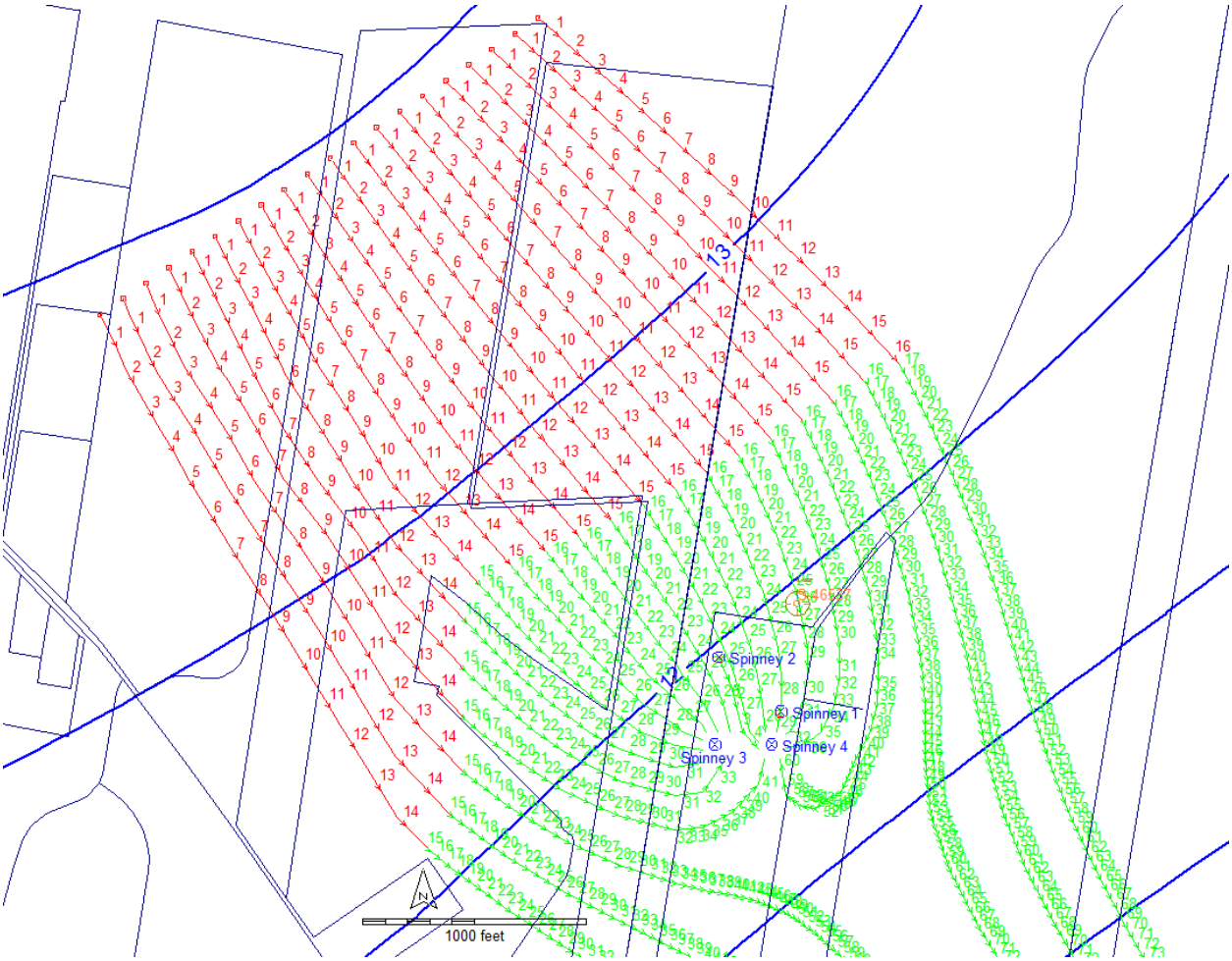

Figure 7 – Spinney Road Well #2 Off

References

King, A. J. (2012). *Groundwater Remediation and Management for Nitrate. Techincal Report 5 in: Addressing Nitrate in California's Drinking Water with a Foucs on Tulare Lake Basin and Salinas Valley Groundwater.*