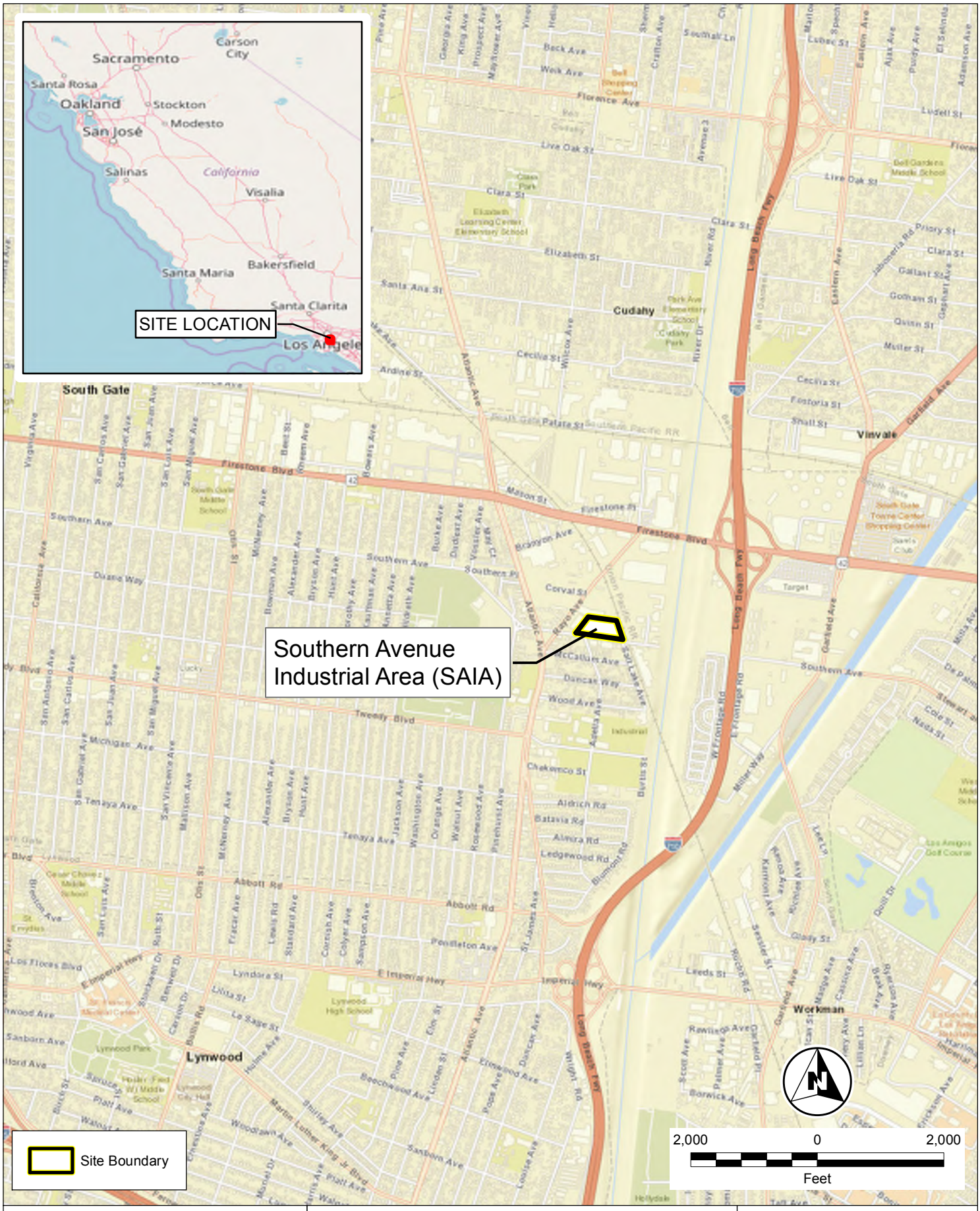

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Figure 1-1
Site Location Map

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\Site_Loc_SAIA.mxd 9/26/2018 [10:52 AM] EANDERSON, Gilbane

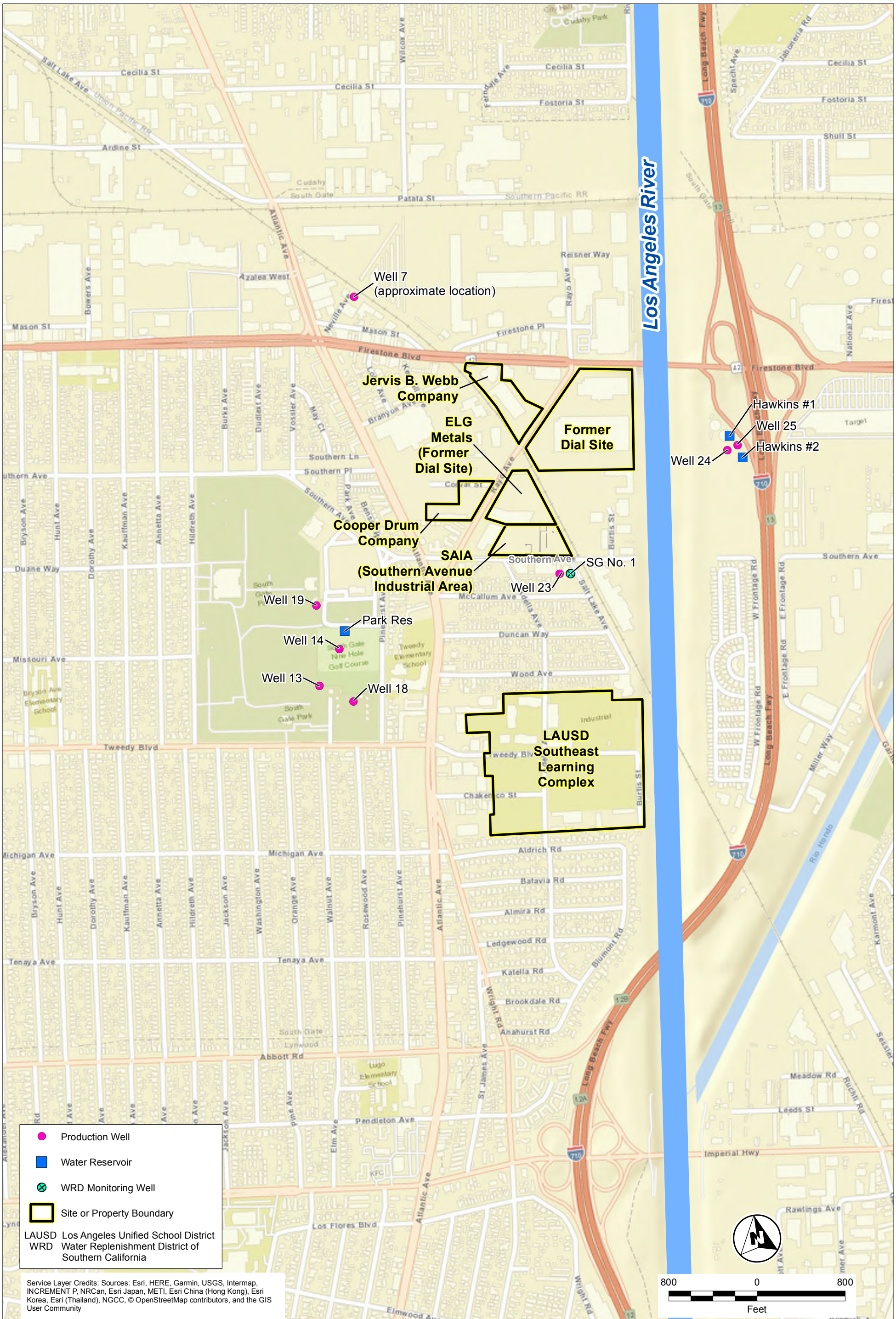

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Figure 1-2
Production Wells and Other Groundwater Sites

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\SAIA_Production_Wells.mxd 3/13/2019 [18:07 PM] EANDERSON, ITSI

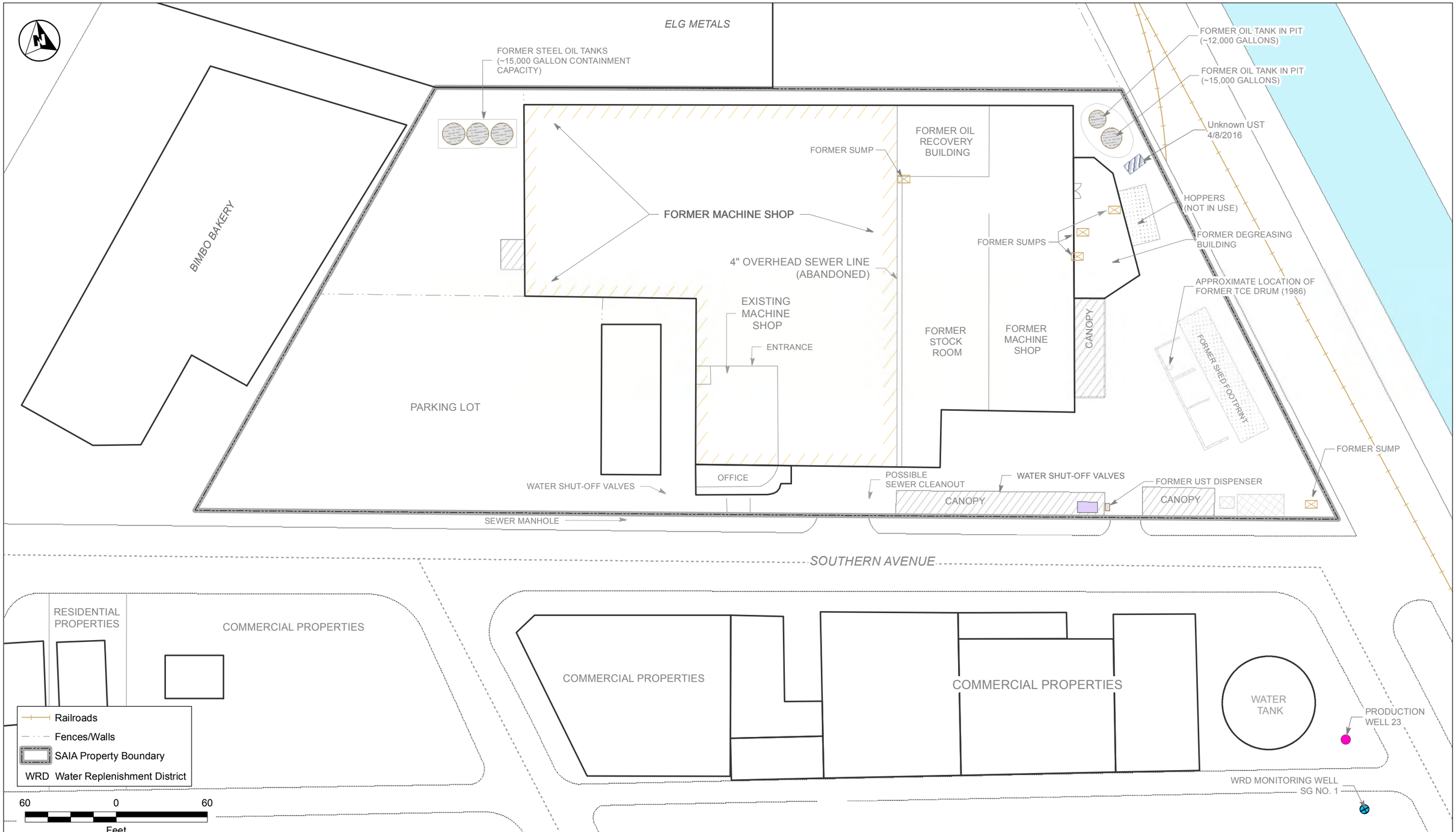

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Figure 1-3
Former SAIA Building and Other Property Features

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\SAIA_Property_Features.mxd 3/14/2019 [12:15 PM] EANDERSON, Gilbane

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Figure 1-4
Groundwater Monitoring Well and CPT Boring Locations

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\MW_CPT_Locs.mxd 10/4/2018 [16:40 PM] EANDERSON, Gilbane

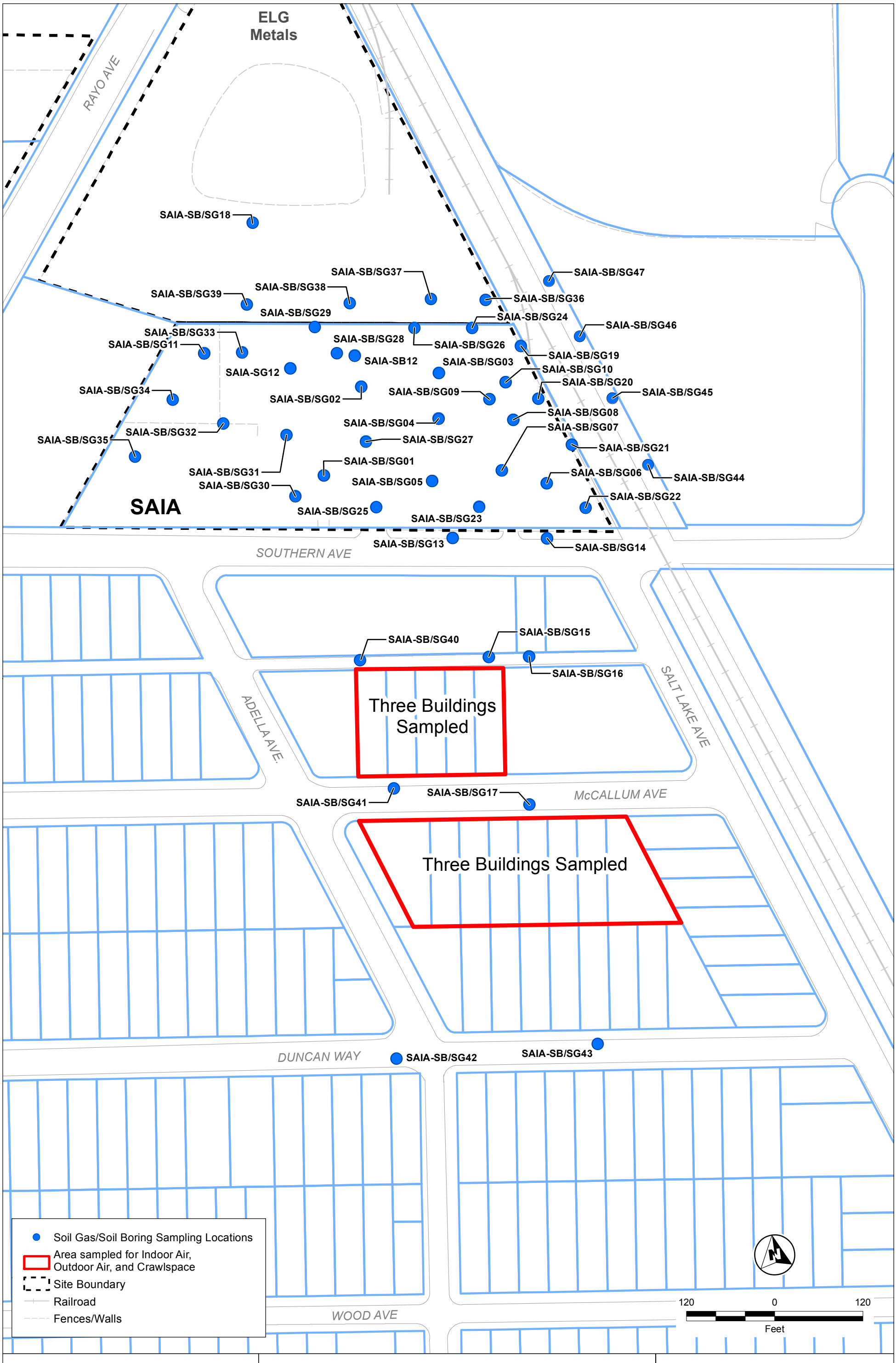

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Figure 2-1
Soil Gas, Indoor Air, Outdoor Air, and Crawlspace Sampling Locations

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\Indoor_Outdoor_Sample_Locs_2018.mxd 3/29/2019 [12:51 PM] EANDERSON, ITSI

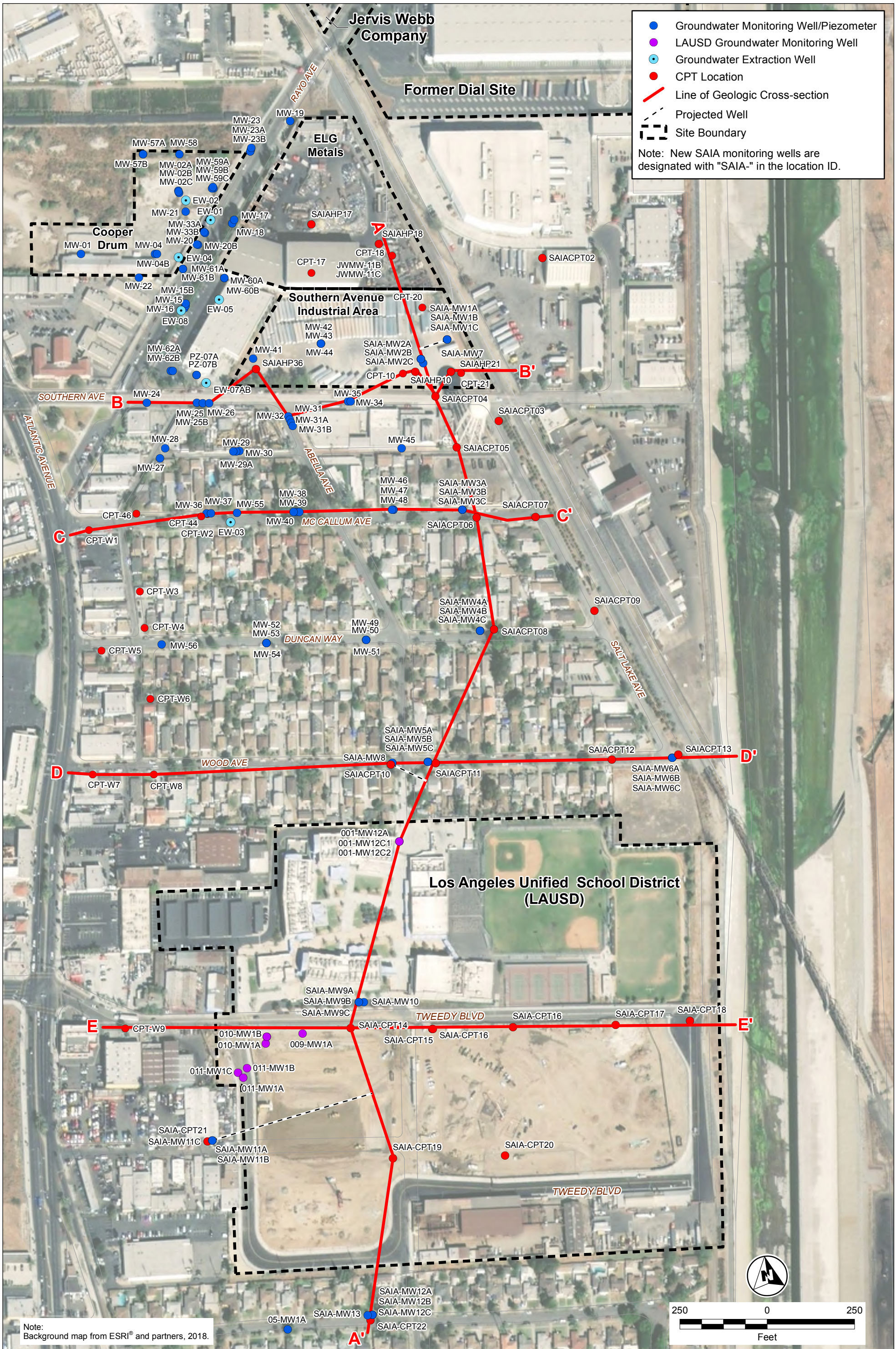

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Figure 3-1
Lines of Geologic Cross-Sections

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\X-Section_Locs.mxd 10/5/2018 [12:39 PM] EANDERSON, Gilbane

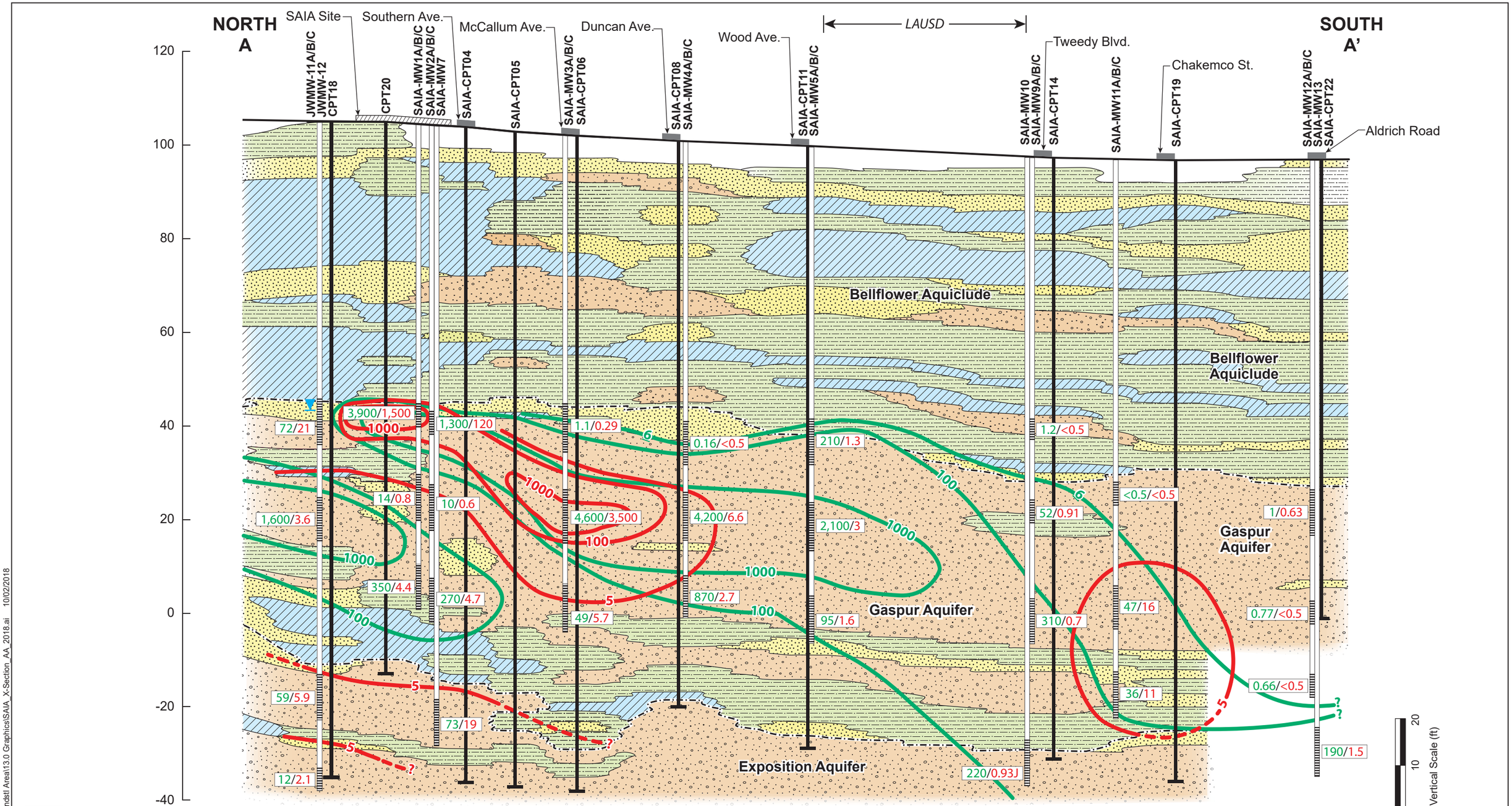

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Figure 3-2
Hydrogeologic Cross-Section A-A'

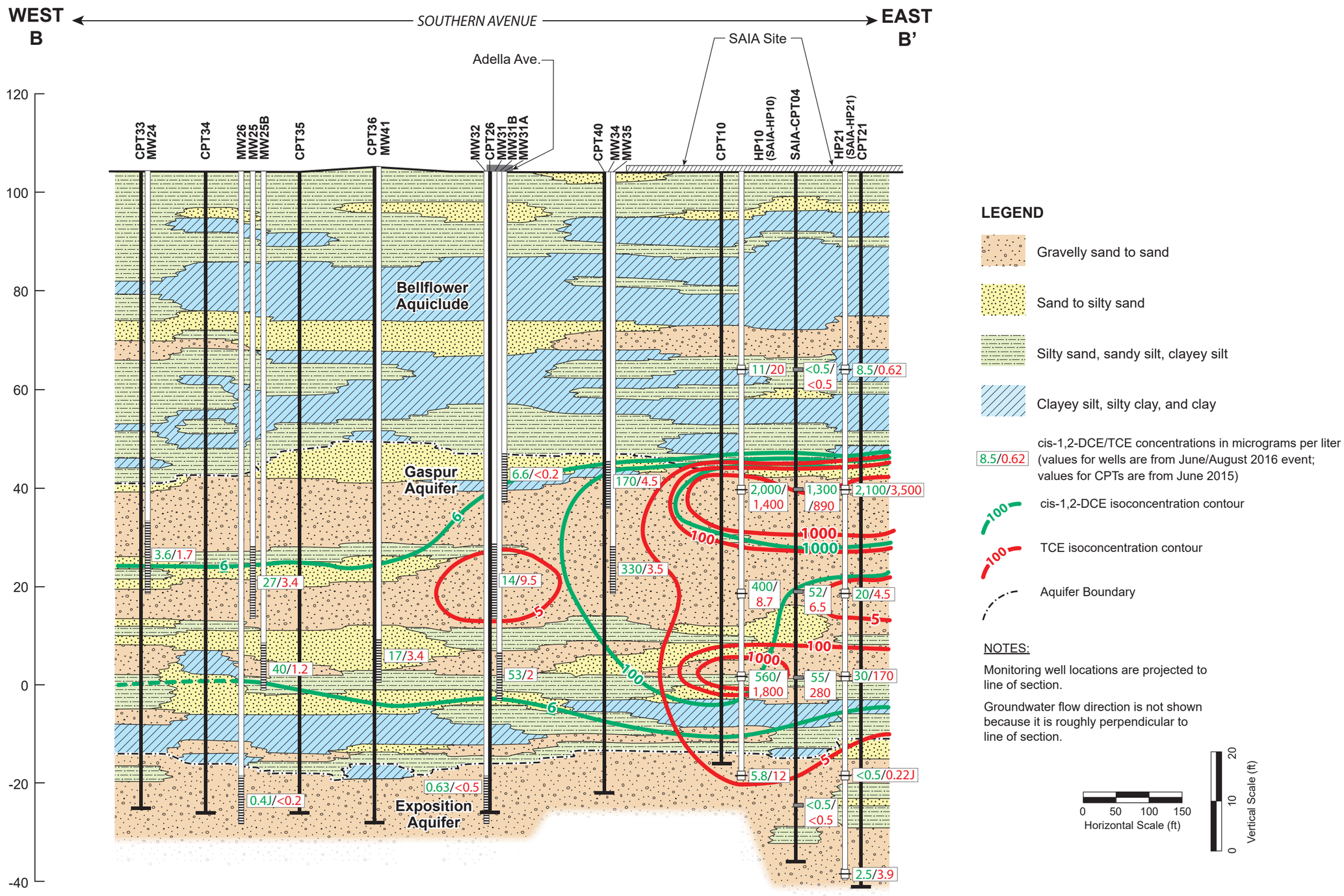

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Figure 3-3
Hydrogeologic Cross-Section B-B'

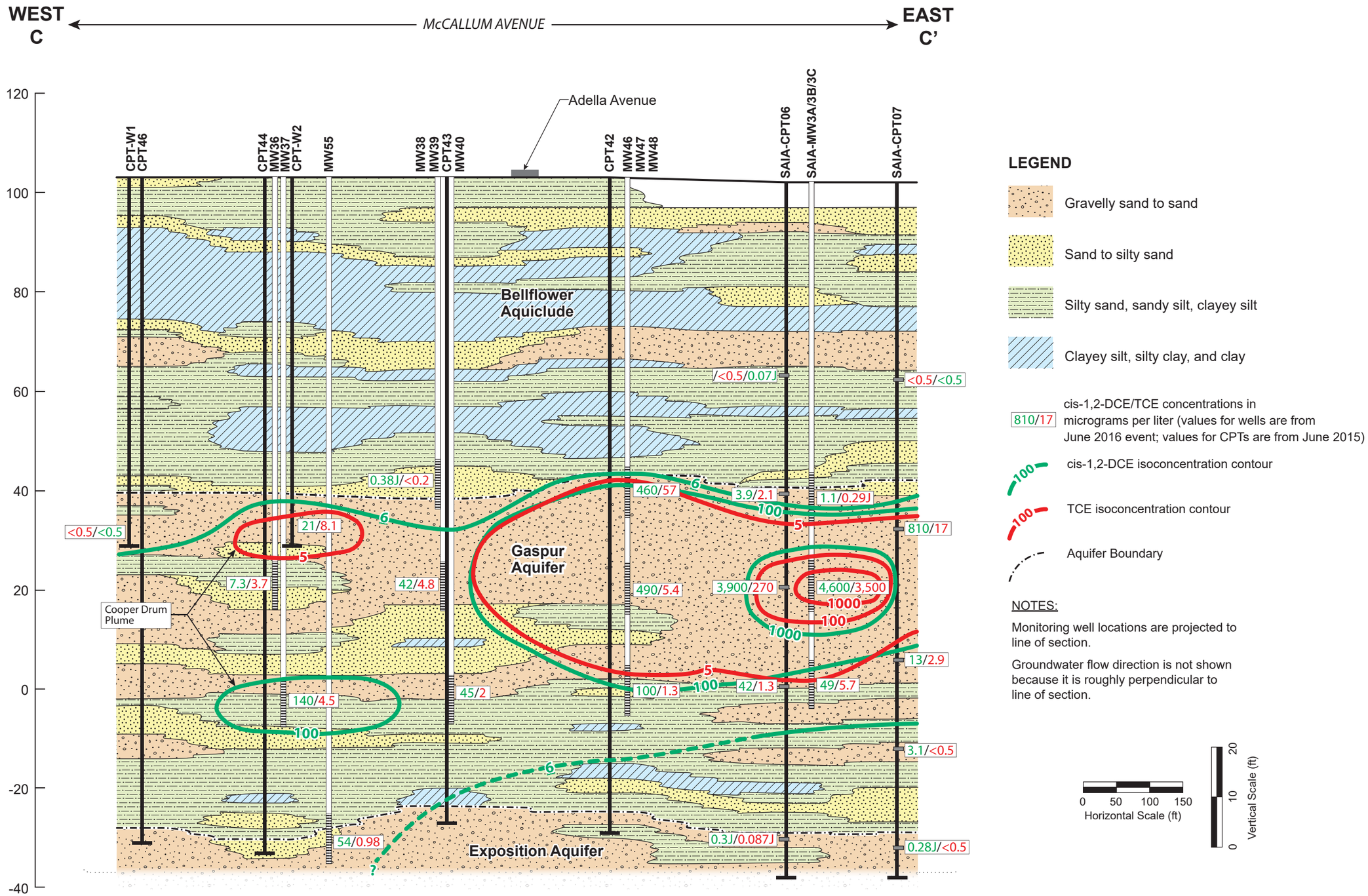

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Figure 3-4
Hydrogeologic Cross-Section C-C'

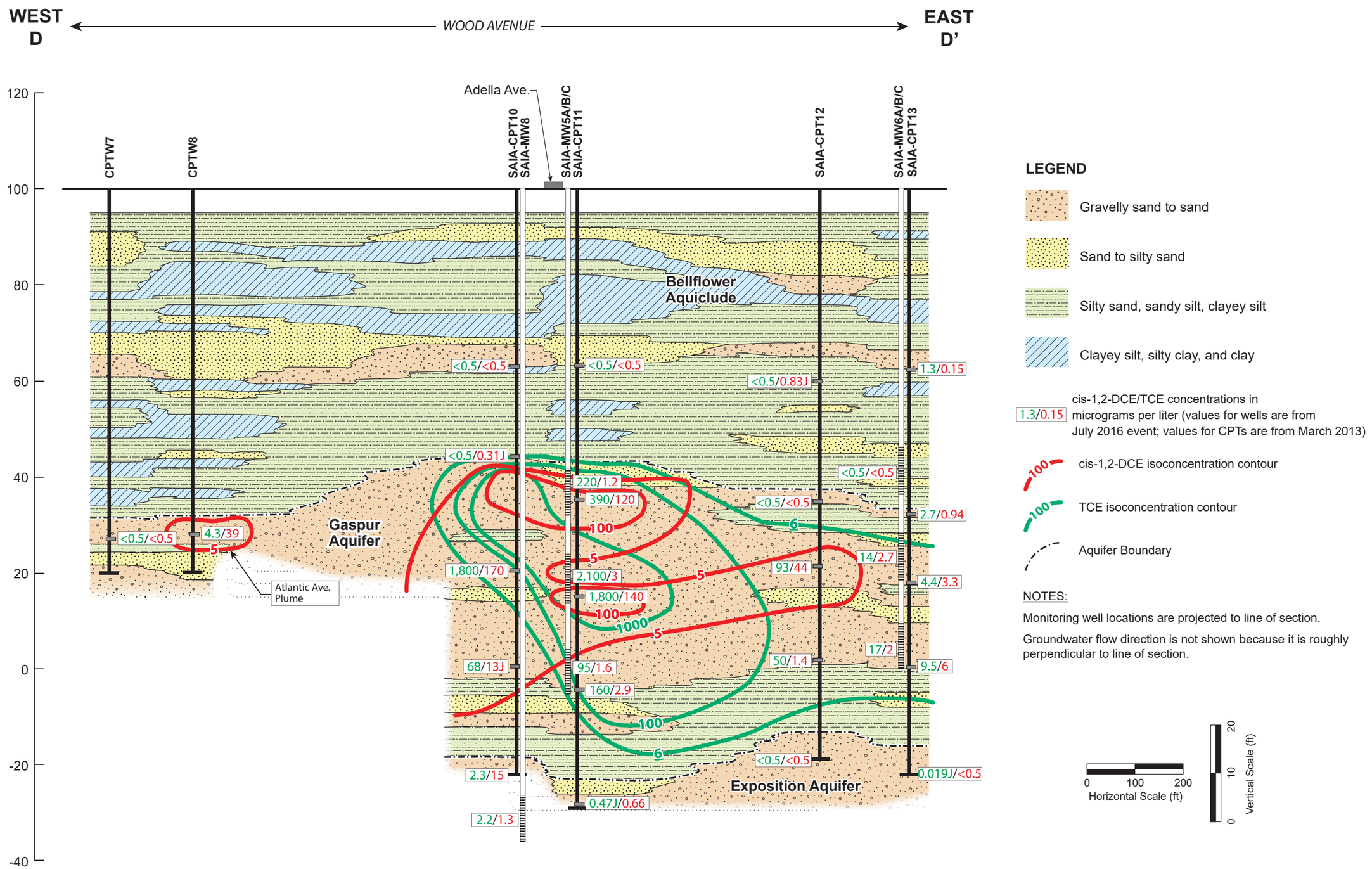

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Figure 3-5
Hydrogeologic Cross-Section D-D'

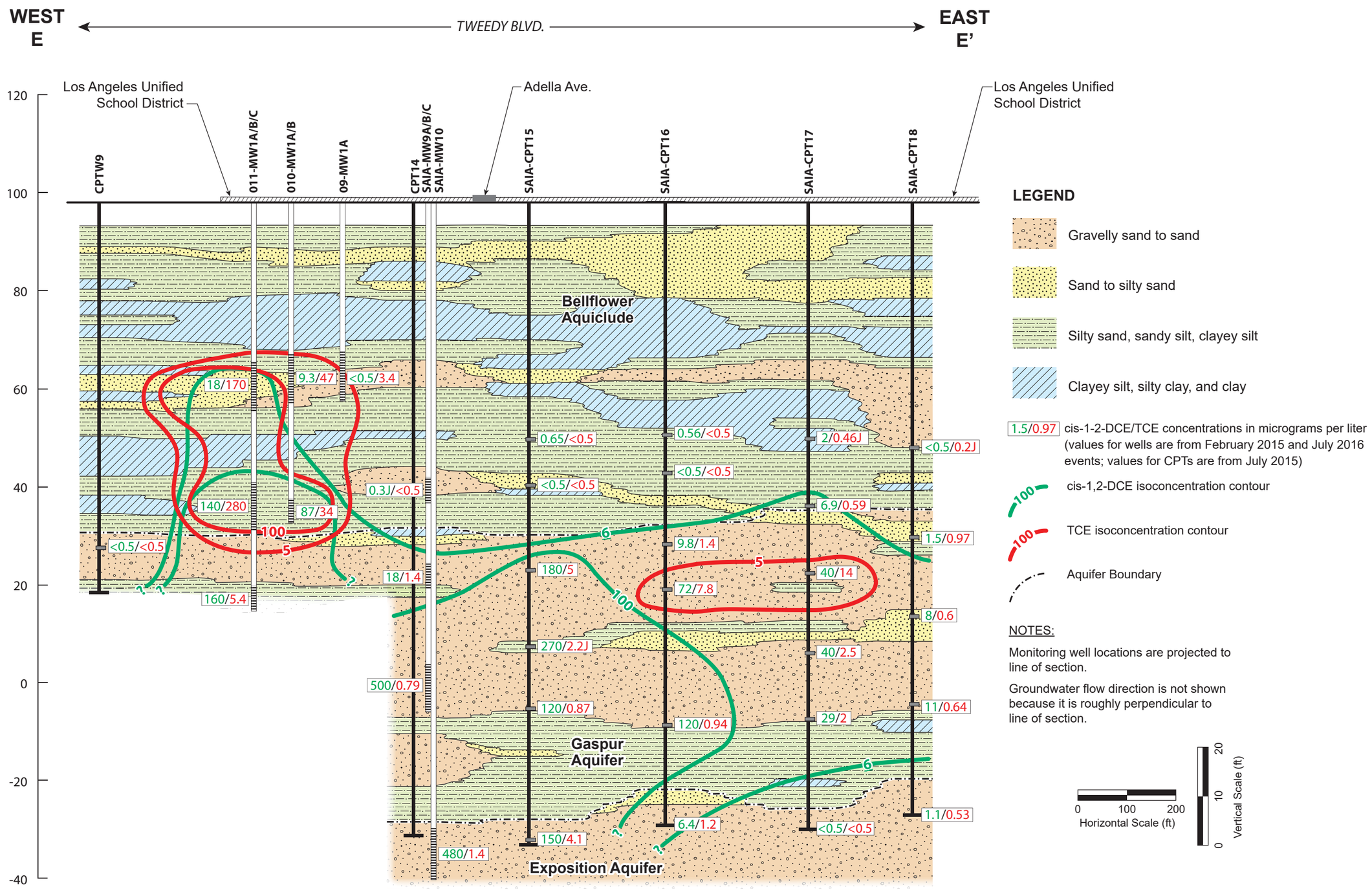

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Figure 3-6
Hydrogeologic Cross-Section E-E'

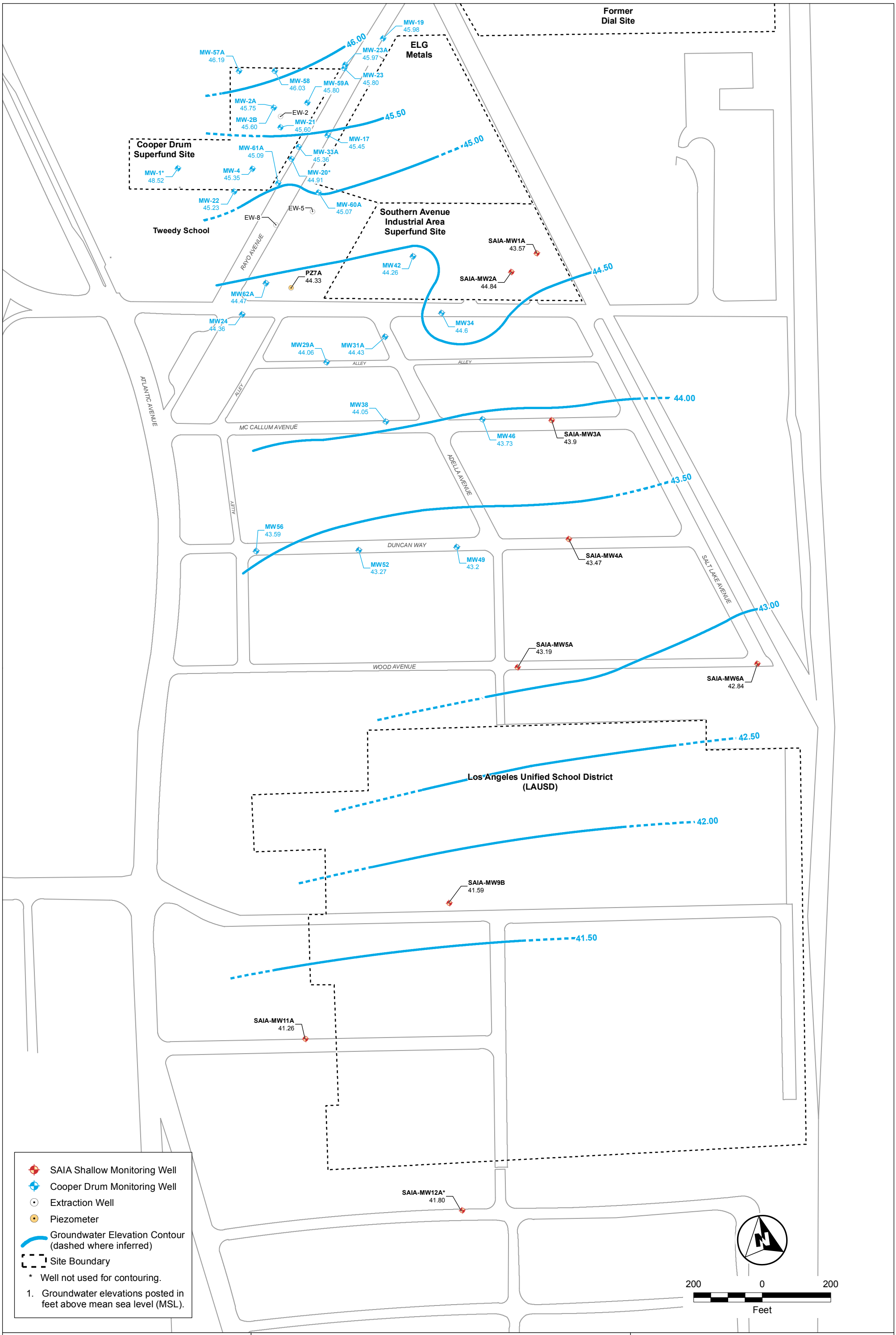

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Figure 3-7
Groundwater Elevation and Potentiometric Map
Shallow Gaspur Aquifer
June/July 2016

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\GW_SAIA_Contours_Shallow_Gaspur_6_7_2016.mxd 3/20/2019 [15:35 PM] EANDERSON, Gilbane

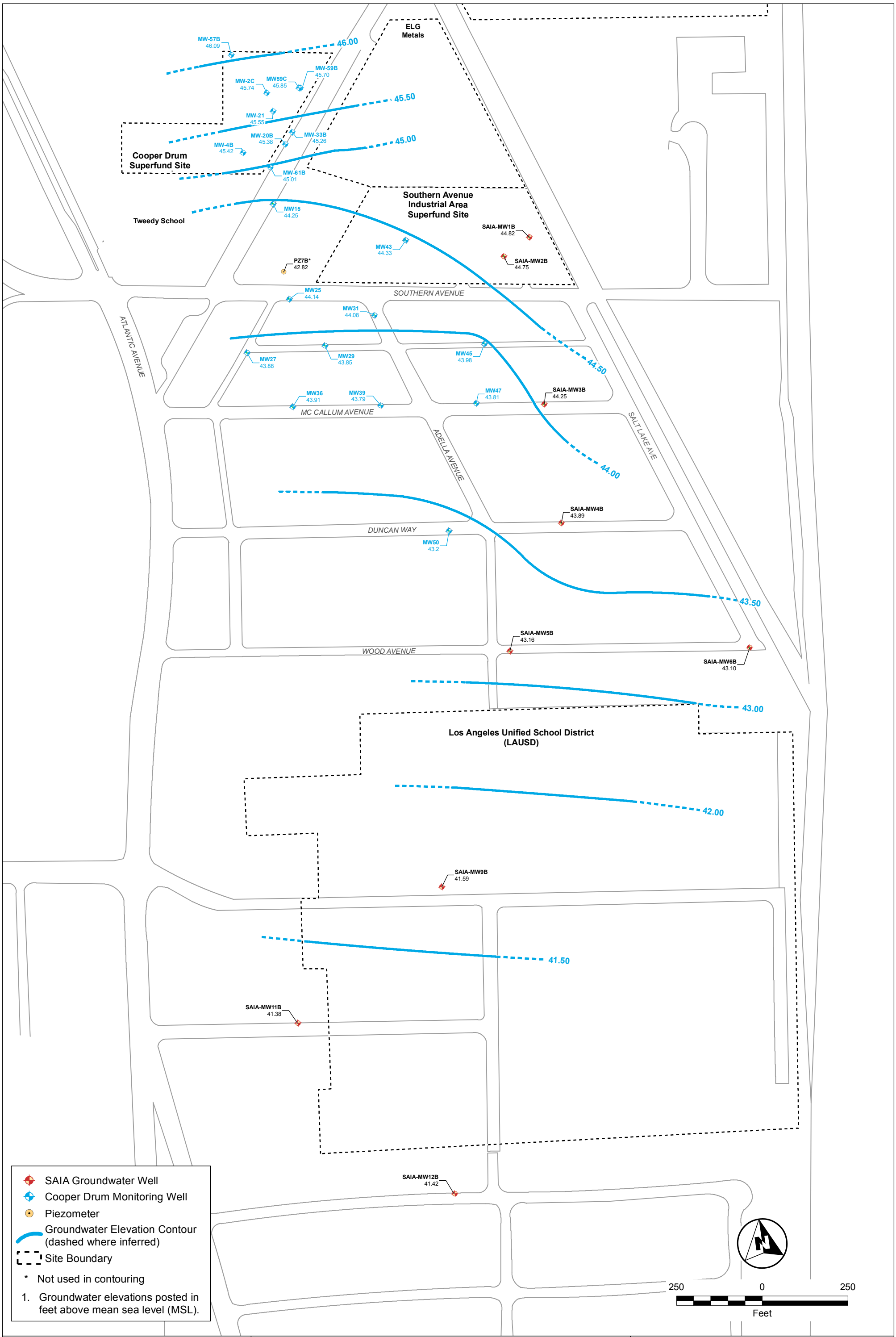

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Figure 3-8
Groundwater Elevation and Potentiometric Map
Intermediate Gaspur Aquifer
June/July 2016

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\GW_SAIA_Contours_Intermediate_Gaspur_6_7_2016.mxd 3/20/2019 [15:35 PM] EANDERSON, Gilbane

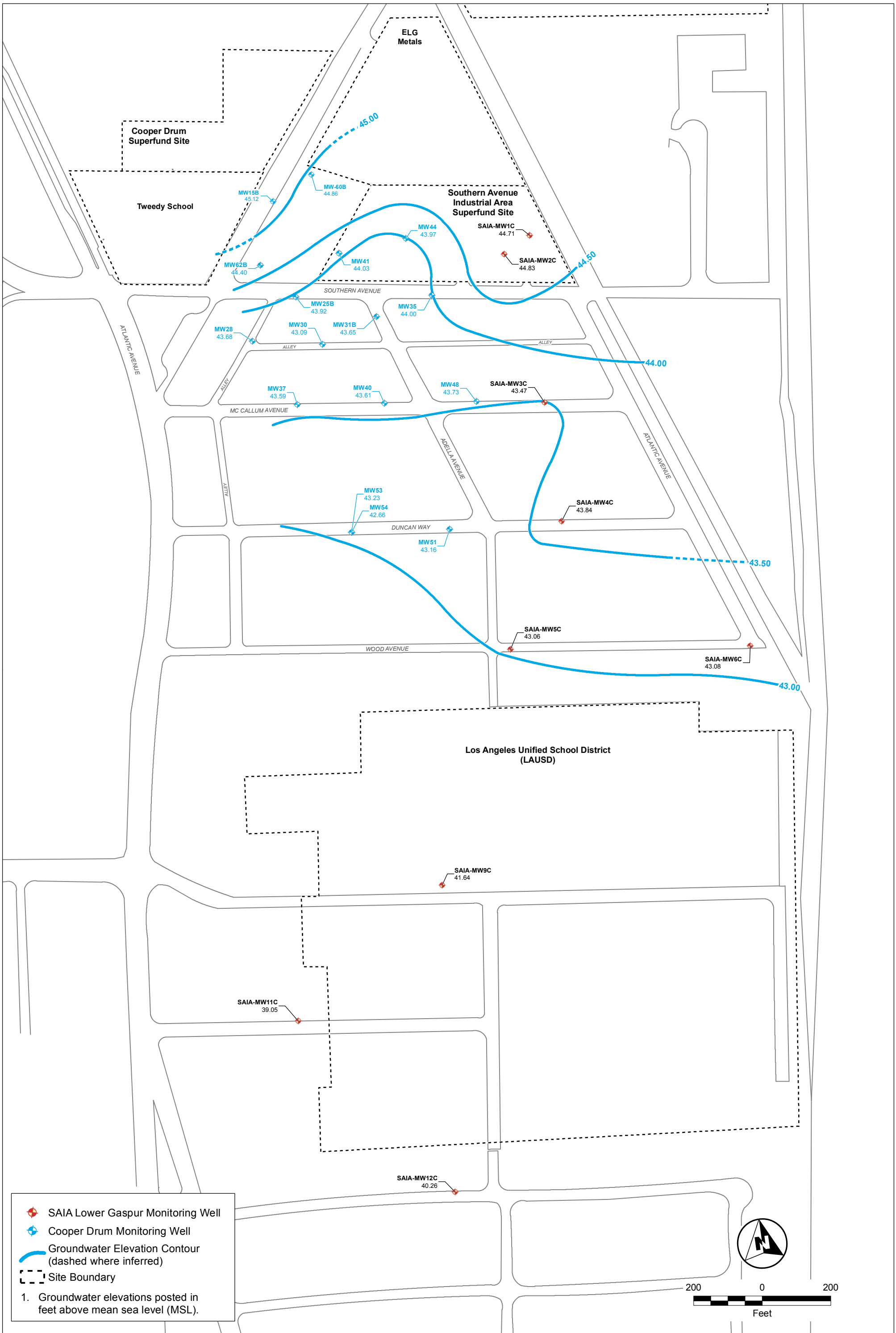

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Figure 3-9
Groundwater Elevation and Potentiometric Map
Lower Gaspur Aquifer
June/July 2016

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\GW_SAIA_Contours_Lower_Gaspur_6_7_2016.mxd 3/20/2019 [15:35 PM] EANDERSON, Gilbane

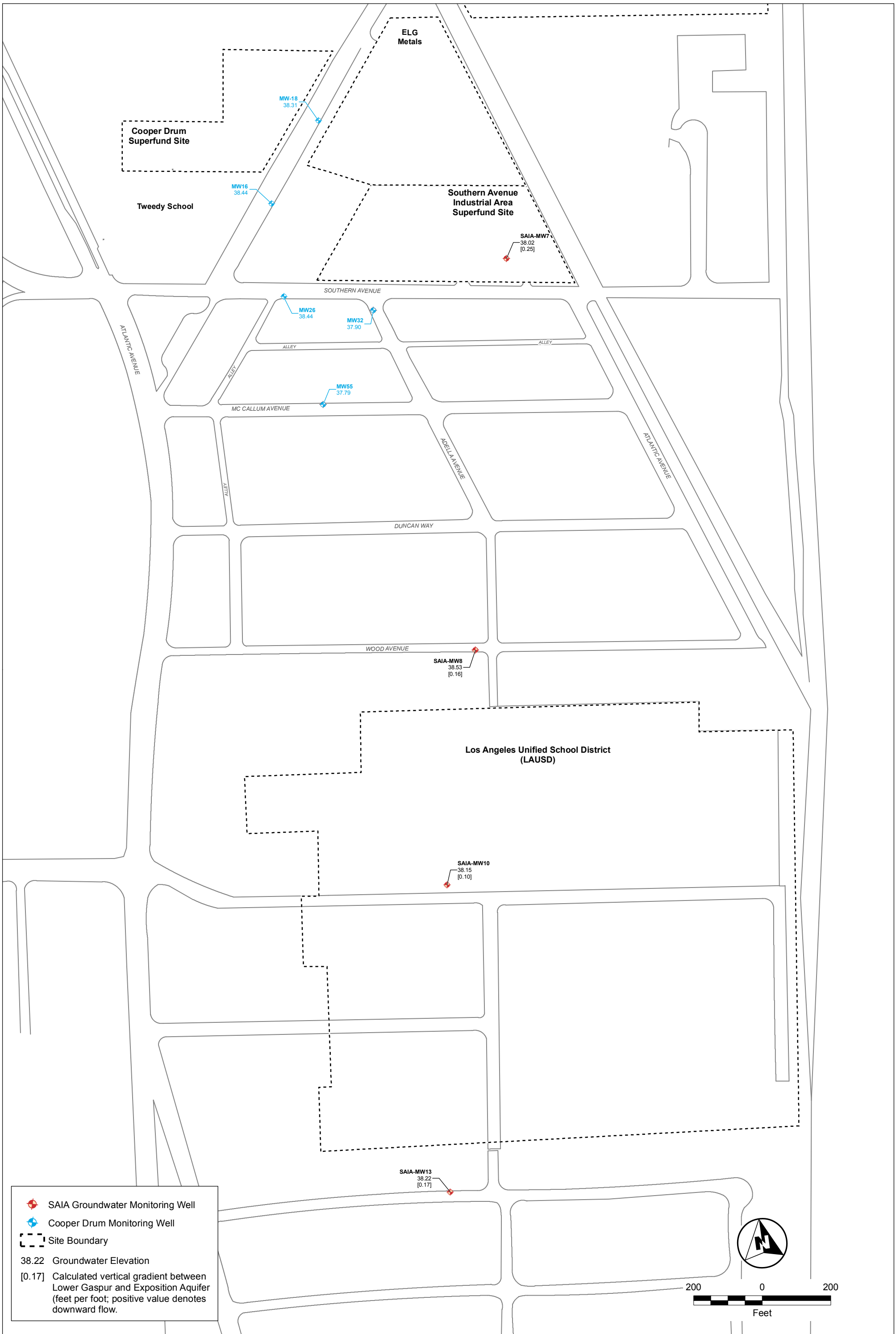

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Figure 3-10
Groundwater Elevation Map
Exposition Aquifer
July 2016

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\GW_SAIA_Contours_Exposition_Gaspur_6_7_2016.mxd 3/14/2019 [16:06 PM] EANDERSON, Gilbane

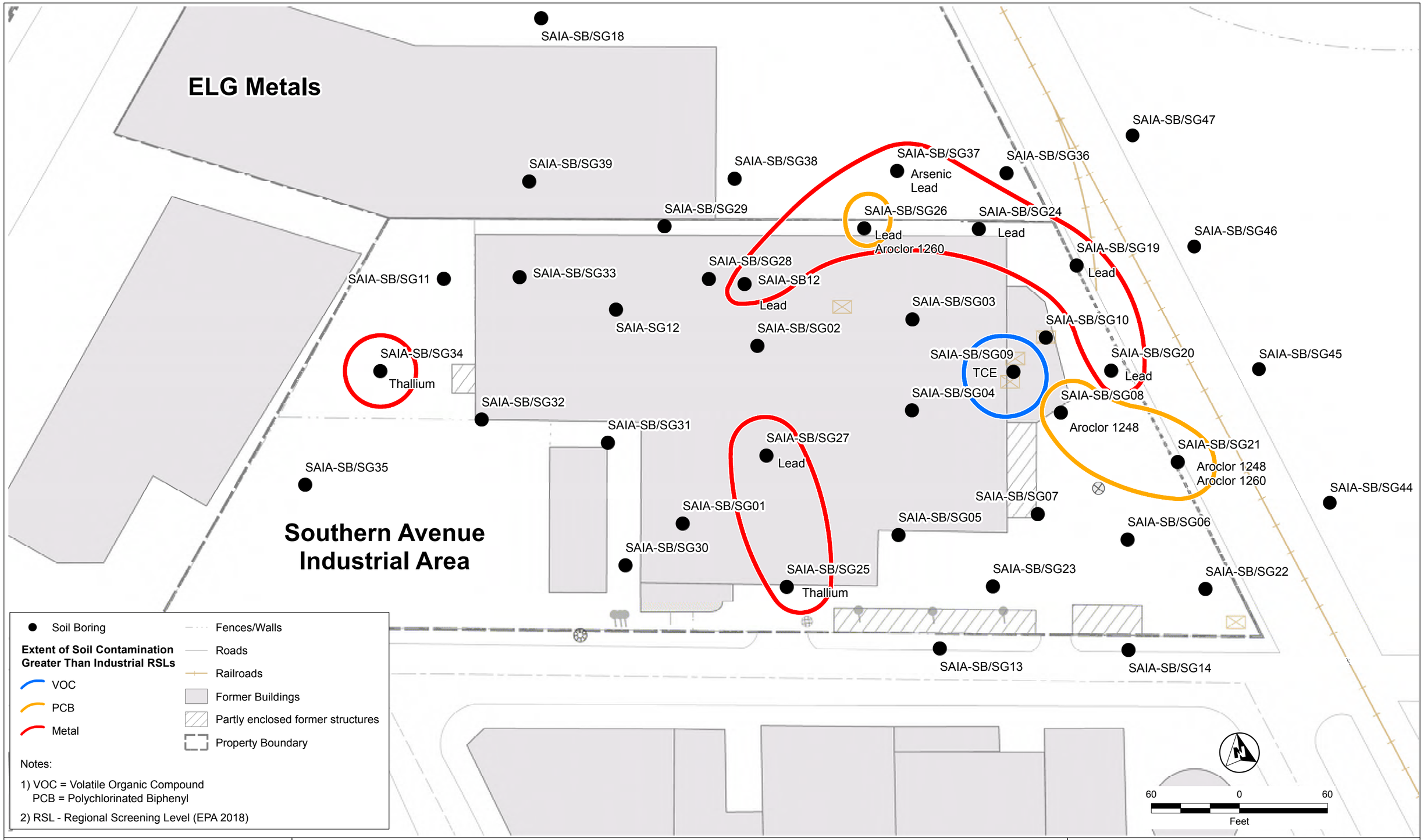

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Figure 4-1
Extent of VOC, PCB, and Metal Contamination in Soil

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\Soil_Contamination_AZ.mxd 10/3/2018 [11:55 AM] AZHUK, Gilbane

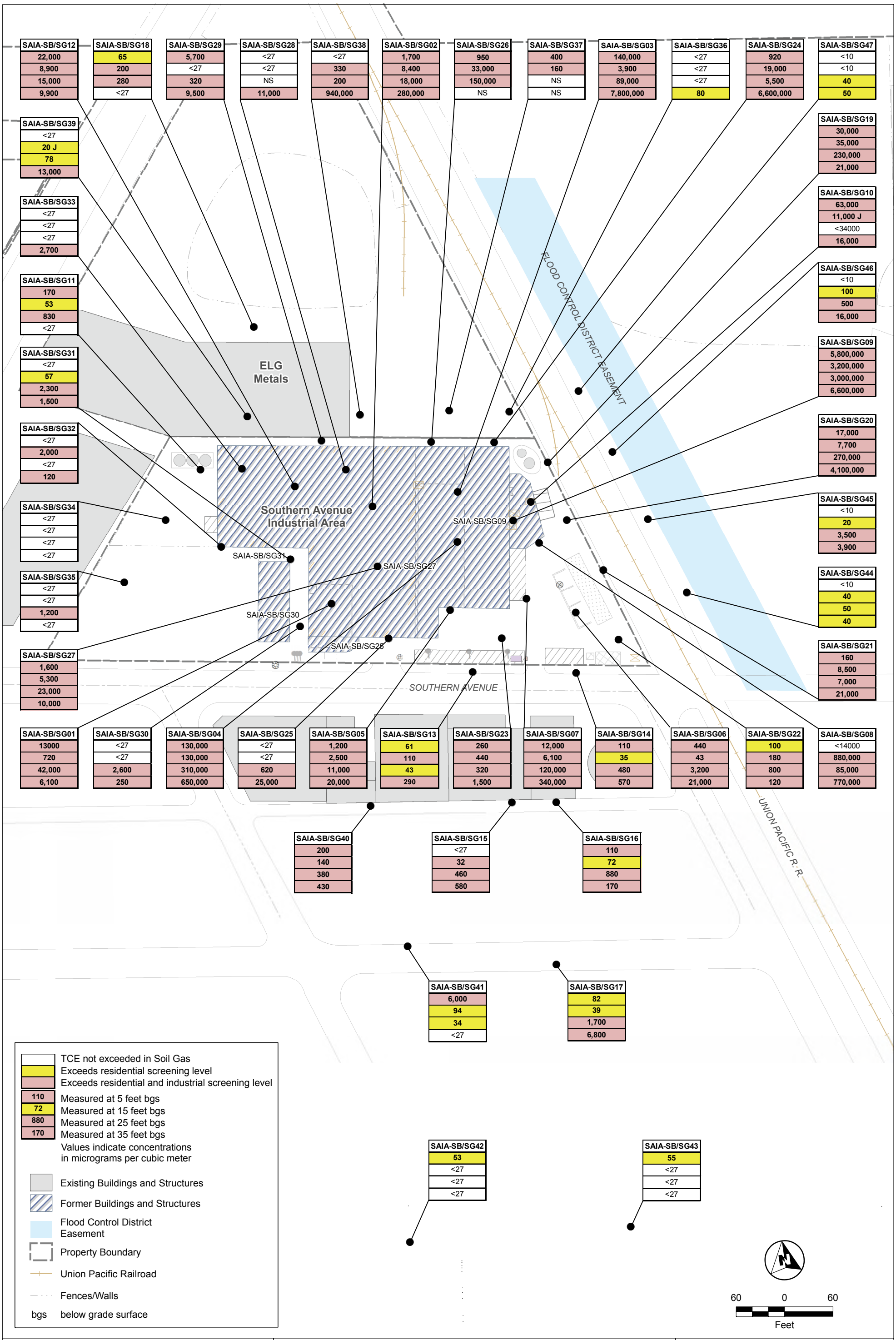

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Figure 4-2
Trichloroethene (TCE) in Soil Gas Sample Locations

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\VOC_SG_Concentrationss_P_az.mxd 10/1/2018 [16:22 PM] AZHUK, Gilbane

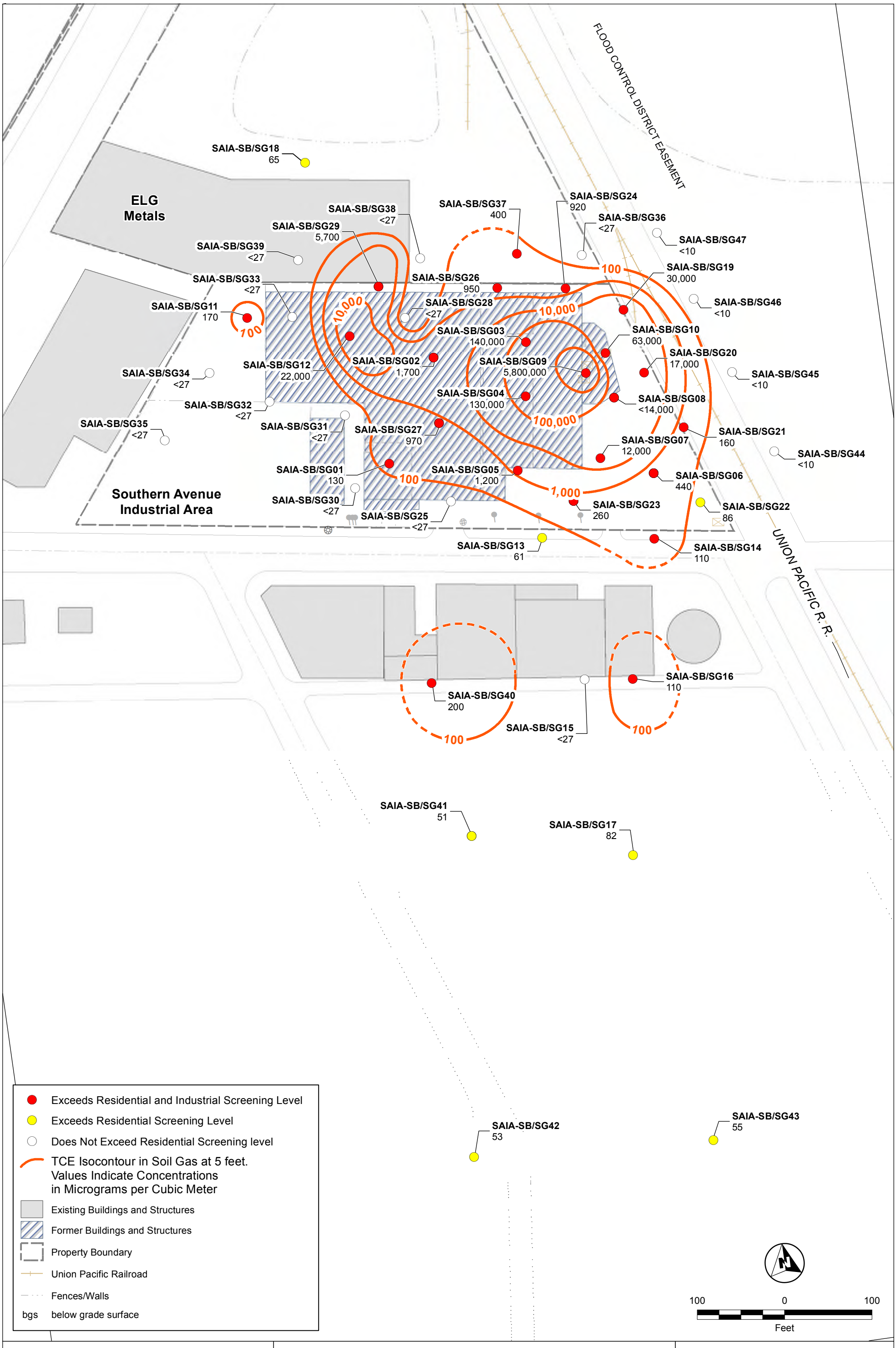

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Figure 4-3
Trichloroethene (TCE) Isocontours, Soil Gas at 5-foot Depth

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Location ID	Date	Depth (ft)	PCE (ug/m^3)	TCE (ug/m^2)
SAIA-SB/SG40	05/01/2014	5	240	200
SAIA-SB/SG40	05/01/2014	15	330	140
SAIA-SB/SG40	05/01/2014	25	1,200	380
SAIA-SB/SG40	05/01/2014	35	<34	430
SAIA-SB/SG40	05/01/2014	35 (dup)	<34	320

Location ID	Date	Depth (ft)	PCE (ug/m^3)	TCE (ug/m^2)
SAIA-SB/SG15	04/15/2013	5	750	<27
SAIA-SB/SG15	04/15/2013	15	810	32
SAIA-SB/SG15	04/15/2013	25	1,600	460
SAIA-SB/SG15	04/15/2013	35	1,200	580

Location ID	Date	Depth (ft)	PCE (ug/m^3)	TCE (ug/m^2)
SAIA-SB/SG16	04/12/2013	5	280	110
SAIA-SB/SG16	04/12/2013	5 (dup)	390	49
SAIA-SB/SG16	04/12/2013	15	820	72
SAIA-SB/SG16	04/15/2013	25	1,100	880
SAIA-SB/SG16	04/15/2013	35	610	170

Parcel Boundary

Area Sampled for Indoor Air

2015 and 2016 Indoor Air Sampling Location and Results

Indoor Air PCE Exceeds Residential RSL (TCE < RSL)

Soil Gas/Soil Boring Location 2013- 2014

Detected Analytes at Concentrations that Exceed Residential RSLs

Soil Gas/Soil Boring Location 2013-2014

Detected Analytes at Concentrations that Exceed Residential and Industrial RSLs

CS = Crawl Space Sample
IA = Indoor Air Sample
OA = Outdoor Air Sample
Bldg = Building
RSL = Regional Screening Level
ug/m^3 = Micrograms per cubic meter

ALLEY

ADELA AVE

Three Buildings Sampled

Building 1			
Residential Location ID	Date	PCE	TCE
RES01-IA	04/17/2015	1.4	0.054 J
	01/27/2016	1.3	0.09 J
RES08-CS	04/17/2015	0.11 J	0.05 J
	01/27/2016	0.21	<0.15
Building 2			
Residential Location ID	Date	PCE	TCE
RES02-CS	04/17/2015	0.089 J	<0.14
	01/27/2016	0.2	<0.15
RES02-IA	04/24/2015	0.078 J	0.018 J
	01/27/2016	0.18 J	<0.15
Building 4			
Residential Location ID	Date	PCE	TCE
RES06-IA	04/16/2015	0.12 J	<0.14
	01/28/2016	0.29	<0.14
	01/28/2016 (dup)	0.28	<0.14

Location ID	Date	Depth (ft)	PCE (ug/m^3)	TCE (ug/m^2)
SAIA-SB/SG17	04/12/2013	5	190	82
SAIA-SB/SG17	04/12/2013	15	210	39
SAIA-SB/SG17	04/12/2013	25	1,400	1,700
SAIA-SB/SG17	04/12/2013	35	480	6,800

McCALLUM AVE

Location ID	Date	Depth (ft)	PCE (ug/m^3)	TCE (ug/m^2)
SAIA-SB/SG41	05/01/2014	5	<34	51
SAIA-SB/SG41	05/01/2014	15	45	94
SAIA-SB/SG41	05/01/2014	25	<34	34
SAIA-SB/SG41	05/01/2014	35	<34	<27

SALT LAKE AVE

Three Buildings Sampled

Building 3A			
Residential Location ID	Date	PCE	TCE
RES03-IA	04/23/2015	0.084 J	0.059 J
	01/27/2016	0.18	<0.15
Building 3B			
Residential Location ID	Date	PCE	TCE
RES04-IA	04/23/2015	0.14 J	0.07 J
	01/28/2016	0.31	0.08 J
Building 3D			
Residential Location ID	Date	PCE	TCE
RES05-IA	04/24/2015	0.093 J	0.06 J
	01/27/2016	0.25 J	<0.14

Building 5			
Residential Location ID	Date	PCE	TCE
RES07-IA	04/16/2015	0.14 J	0.052 J
	01/28/2016	0.25	0.07 J
Residential Location ID	Date	PCE	TCE
RES07-OA	04/16/2015	0.086 J	<0.14
Building 6			
Residential Location ID	Date	PCE	TCE
RES08-IA	04/17/2015	0.094 J	0.05 J
	01/27/2016	0.21	<0.15
Residential Location ID	Date	PCE	TCE
RES08-CS	04/17/2015	0.11 J	0.05 J
	01/27/2016	0.21	<0.15

N

50 0 50
Feet

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Figure 4-4
Residential Air and Nearby Soil Gas Analytical Results

G:\ArcGIS\EPA\SAIA\PROJECTS\RI_Report_2018\Residential_AirSG_Bldg_Consolidation.mxd 3/29/2019 eanderson, Gilbane