KEY ENVIRONMENTAL INCORPORATED

Via FTP Site Submittal and/or Federal Express

November 13, 2014

Alison Hess, Standard Chlorine Chemical Co. RPM
U.S. Environmental Protection Agency, Region 2
Special Projects Branch
Emergency and Remedial Response Division
290 Broadway, 19th Floor
New York, New York 10007-1866

Re: Monthly Progress Report – October 2014
Standard Chlorine Chemical Co. Inc. Site
Kearny, Hudson County, New Jersey

Dear Ms. Hess:

On behalf of the Performing Parties Group (Group), please find enclosed one hard copy of the October 2014 Monthly Progress Report for the Standard Chlorine Chemical Co. Inc. (SCCC) Site located in Kearny, New Jersey. This report has been prepared to address the monthly reporting requirements listed in Section V (Task 4 – Implementation of the RI/FFS Work Plan) of a Remedial Investigation/Focused Feasibility Study (RI/FFS) Statement of Work (SOW) issued by the United States Environmental Protection Agency (EPA) as Appendix A of an Administrative Settlement Agreement and Order on Consent for Remedial Investigation/Focused Feasibility Study (Agreement) for the SCCC Site. An electronic copy of the report has been uploaded to the FTP site that has been established for the SCCC Site.

Please feel free to contact me at (412) 279-3363 if you have questions concerning this submittal.

Sincerely,

James Zubrow

James Zubrow, P.G.
Project Manager

cc: Jay Nickerson – NJDEP
Leena Raut – EPA (electronic copy)
Frances Zizila – EPA (electronic copy)
Mitch Brourman – Beazer c/o TRMI (electronic copy)
Teresa Jordan – Tierra (electronic copy)
Nelson Olavarria – Cooper Industries, LLC (electronic copy)
John McTigue – The Isosceles Group (electronic copy)

200 Third Avenue • Carnegie • Pennsylvania • 15106 • (412) 279-3363 • Fax: (412) 279-4332

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STANDARD CHLORINE CHEMICAL CO. INC. SUPERFUND SITE
MONTHLY PROGRESS REPORT
OCTOBER 2014

I. Actions Completed During the Reporting Period (October 2014)

Implementation of the Cultural Resources Survey Work Plan continued with the preparation of draft documents and exhibit.

Efforts continued to gain access to the New Jersey Department of Transportation (NJDOT) right-of-way, as necessary, for implementation of the approved scope of work for investigation of the dichlorobenzenes in a localized area south of the Site and outside of the barrier wall. KEY has secured Highway Occupancy Permits from NJDOT and is awaiting receipt from NJDOT of an access agreement which is necessary for work to proceed.

II. Results of Sampling and Tests and Data Received by Respondents

No data were received by Respondents during the reporting period.

III. Work Planned for the Next Two Months (November and December 2014)

Implementation of the Cultural Resources Survey Work Plan will be completed with the submittal to EPA of documents and exhibit.

The approved scope of work for investigation of the dichlorobenzenes in a localized area south of the Site and outside of the barrier wall will be implemented pending access from the NJDOT.

Monthly progress reports will be prepared and submitted to EPA.

Implementation of the Remedial Investigation/Focused Feasibility Study Work Plan will continue with the revision and resubmittal of the Baseline Human Health Risk Assessment Report to the EPA and NJDEP.

IV. Problems Encountered/Anticipated Delays

No problems were encountered. No delays are anticipated.

V. Operations and Maintenance Information

Routine operations and maintenance activities were completed. A summary of operations and maintenance activities are provided on a quarterly-basis. The summary for the third quarter of 2014 is included as Appendix A of this monthly report.

APPENDIX A

1.0 DESCRIPTION OF ACTIVITIES COMPLETED

1.1 HYDRAULIC CONTROL TREATMENT SYSTEM (HCTS)

- Continued HCTS operation, monitoring, inspection and reporting efforts as summarized below:

  - Average monthly flows for July, August and September 2014 were 25.7 gpm, 21.5 gpm and 14.8 gpm, respectively. The total volume of water treated this reporting period was 2,775,501 gallons.

  - Monthly NJPDES sample collection pursuant to NJ Permit No. NJ0155438 was completed. There were no exceedances of permit monitored constituents noted during this period. Whole Effluent Toxicity (WET) via Method 1002.0 (Mysidopsis Bahia), was reported at IC_{25} >100% growth for the 2014 3rd quarter monitoring event.

  - Water level gauging data collected during the reporting period from the piezometers, hydraulic control wells and DNAPL recovery wells are provided in Table 1. Water level data trends indicate inward gradients across the slurry wall have been achieved as of the September 22, 2014 gauging event. A graph showing historical groundwater gradient data is provided as Figure 1 of this submittal.

    Figures 2 and 3 provide September 2014 potentiometric surface data (representing the most typical HCTS operational scenario for the reporting period), for both the shallow and deep monitoring zones respectively. Figure 2 shows pronounced gradients toward HCWs across the site within the shallow fill unit as well as a significant differential between inner and outer slurry wall piezometer pairs, indicating that the slurry wall is functioning as an effective hydraulic barrier. Potentiometric surface contours for the deep sand unit are provided on Figure 3. As indicated, the hydraulic gradient in the sand unit is essentially flat over the western two-thirds of the area enclosed by the barrier wall system. Slightly higher potentiometric surface elevations were measured on the unpaved Seaboard Site portion of the containment area, which could be indicative of localized recharge. Similar to the shallow unit, substantial differentials between the water levels inside and outside of the slurry wall exist which is an indication of the lack of hydraulic communication and groundwater flux through the barrier wall in both the shallow fill and deep sand unit.

    Figures 4, 5 and 6 present graphs of the monthly (July, August and September 2014, respectively) water level measurements made in

the shallow unit piezometers inside and outside of the slurry wall. The graphs show inward hydraulic gradients, substantial differentials between the water levels inside and outside of the slurry wall, and effective containment and capture from the low permeability barrier wall system.

1.2 DNAPL RECOVERY

DNAPL recovery efforts for the third quarter of 2014 produced 193 gallons of DNAPL. A total of 4,849 gallons of DNAPL have been recovered from the DNAPL recovery well network since January 2012. Total DNAPL recovery to date is provided in the summary table below.

Well ID	July 2014 DNAPL Recovery (gal)	August 2014 DNAPL Recovery (gal)	September 2014 DNAPL Recovery (gal)	Total DNAPL Recovered (gal)
DRWL-1	NR	NR	25	359
DRWL-5	NR	NR	31	349
DRWL-7	NR	NR	NR	50
DRWL-9	NR	NR	NR	879
DRWL-10	NR	NR	NR	108
DRWL-11	52	54	31	3,104

1.3 NON-HCTS INSPECTIONS

- Continued post-construction inspections.
- Annual asphalt IRM cover crack sealing efforts initiated the week of September 22, 2014.

1.4 ADDITIONAL COMPLETED EFFORTS

- Consolidation Area cap and slurry wall working platform mowing and site wide vegetation control efforts were completed during the week of September 15, 2014.

2.0 PROJECTED FUTURE ACTIVITIES

2.1 HCTS RELATED EFFORTS

- Continue HCTS operations, monitoring and maintenance.
- Continue dewatering of electrical pull boxes to assess and repair electrical runs from the HCTS building to individual HC and DR well control panels.
- Passive DNAPL recovery will continue.

2.2 NON-HCTS RELATED EFFORTS

- Routine Non-HCTS (consolidation area and IRM surface covers) inspections and maintenance will continue.
- Soil erosion areas and re-vegetation issues will be addressed, as necessary.
- Quarterly inspections of the surface cover systems and repair will continue.
- 2014 Supplemental Fresh Water Wetland Invasive Species Herbicide Treatment was conducted the first week of October 2014.

TABLES

Table 1

Standard Chlorine Chemical Co. Inc.
3rd Quarter 2014 Progress Report

HCTS Gauging Data Summary

Well ID	Top of Casing Elevation MSL (NAD 83)	Jul-14			Aug-14			Sep-14		
		Depth to Water (ft-TOC)	Total Depth (ft- TOC)	Groundwater Elevation MSL (NAD 83)	Depth to Water (ft-TOC)	Total Depth (ft- TOC)	Groundwater Elevation MSL (NAD 83)	Depth to Water (ft-TOC)	Total Depth (ft- TOC)	Groundwater Elevation MSL (NAD 83)
HC-PZ-1U	11.18	6.41	17.70	4.77	6.77	16.71	4.41	7.04	16.70	4.14
HC-PZ-2U	11.32	6.84	16.10	4.48	7.22	16.10	4.10	7.61	16.10	3.71
HC-PZ-3U	10.33	7.37	14.98	2.96	8.87	15.02	1.46	9.52	15.00	0.81
HC-PZ-4U	10.16	4.79	14.60	5.37	6.43	14.60	3.73	7.48	14.60	2.68
HC-PZ-6U	7.15	2.11	9.44	5.04	6.22	9.44	0.93	3.46	9.45	3.69
HC-PZ-7U	6.51	1.45	8.90	5.06	2.49	8.92	4.02	3.00	8.92	3.51
HC-PZ-8U	7.75	2.84	11.90	4.91	4.2	11.90	3.55	4.72	11.91	3.03
HC-PZ-9U	8.18	4.01	12.22	4.17	3.65	12.21	4.53	2.33	12.20	5.85
HC-PZ-10U	6.05	3.80	9.53	2.25	4.95	9.61	1.10	5.30	9.60	0.75
HC-PZ-11U	6.3	4.87	9.80	1.43	4.95	9.77	1.35	4.95	9.76	1.35
HC-PZ-12U	5.35	2.75	8.44	2.60	3.97	8.44	2.81	4.82	8.45	0.53
HC-PZ-13U	4.76	2.93	8.40	1.83	3.5	8.38	2.65	3.69	8.40	1.07
HC-PZ-14U	6.03	2.49	10.05	3.54	3.36	10.06	2.67	4.01	10.05	2.02
HC-PZ-15U	8.28	5.55	11.73	2.73	5.82	11.75	2.46	5.94	11.73	2.34
HC-PZ-1L	11.48	7.74	25.10	3.74	8.37	25.10	3.11	8.59	25.10	2.89
HC-PZ-2L	12.15	8.93	23.85	3.22	8.92	23.80	3.23	9.10	23.80	3.05
HC-PZ-3L	9.97	5.85	23.50	4.12	6.54	23.52	3.43	6.95	23.51	3.02
HC-PZ-4L	9.17	6.52	20.52	2.65	6.5	20.55	2.67	6.83	20.54	2.34
HC-PZ-6L	6.06	3.00	16.83	3.06	3.27	16.85	2.79	3.37	16.85	2.69
HC-PZ-7L	5.5	0.91	17.01	4.59	1.35	17.01	4.15	1.69	17.01	3.81
HC-PZ-8L	8.3	3.43	21.50	4.87	4.64	21.39	3.66	5.09	21.40	3.21
HC-PZ-9L	8.57	3.30	21.00	5.27	4.2	21.00	4.37	2.93	21.00	5.64
HC-PZ-10L	5.8	2.53	18.75	3.27	3.44	18.75	2.36	3.92	18.75	1.88
HC-PZ-11L	6.91	5.16	19.10	1.75	5.35	19.06	1.56	5.27	19.06	1.64
HC-PZ-12L	5.07	1.79	15.76	3.28	2.7	15.78	3.47	3.36	15.75	1.71
HC-PZ-13L	4.77	3.01	16.25	1.76	3.4	16.25	2.33	3.42	16.25	1.35
HZ-PZ-14L	6.43	2.84	18.85	3.59	3.5	18.87	2.93	3.96	18.87	2.47
SC-MW-16L	8.02	5.08	19.82	2.94	5.19	19.85	2.83	5.25	19.83	2.77

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HCWU-1	10.30	5.63	13.60	4.67	5.99	13.60	4.31	6.34	13.61	3.96
HCWU-2	10.91	6.17	13.90	4.74	6.53	14.15	4.38	6.90	14.15	4.01
HCWU-3	9.85	5.49	13.82	4.36	9.82	13.87	0.03	10.13	13.85	-0.28
HCWU-4	8.54	6.60	12.95	1.94	7.40	12.95	1.14	7.09	12.94	1.45
HCWU-5	8.16	6.06	12.38	2.10	7.49	12.32	0.67	7.51	12.33	0.65
HCWU-6	5.84	1.44	10.40	4.40	1.79	10.38	4.05	2.20	10.39	3.64
HCWU-7	5.52	5.25	8.70	0.27	5.13	8.74	0.39	5.33	8.73	0.19
HCWU-8	5.65	0.91	11.85	4.74	7.61	11.90	-1.96	6.98	11.89	-1.33
HCWU-9	5.66	4.61	6.83	1.05	0.90	6.85	4.76	4.33	6.84	1.33
HCWU-10	4.28	3.21	7.60	1.07	4.22	7.60	0.06	3.08	7.60	1.20
HCWU-11	5.96	2.86	8.37	3.10	3.98	8.39	1.98	4.63	8.38	1.33
HCWU-12	5.26	5.09	8.40	0.17	5.85	8.30	-0.59	4.78	8.32	0.48
HCWU-13	4.14	5.22	7.85	-1.08	5.15	7.86	-1.01	5.85	7.86	-1.71
HCWU-14	2.95	-0.57	5.46	3.52	1.58	5.42	1.37	0.80	5.45	2.15
HCWU-15	4.44	4.87	8.75	-0.43	4.60	8.80	-0.16	4.95	8.79	-0.51
HCWU-16	3.98	2.85	8.48	1.13	6.35	8.48	-2.37	4.85	8.50	-0.87
HCWU-17	3.31	1.01	7.49	2.30	4.70	7.50	-1.39	5.05	7.50	-1.74
HCWU-18	3.16	3.25	6.50	-0.09	2.88	6.50	0.28	3.96	6.50	-0.80
HCWU-19	2.97	-0.61	8.40	3.58	2.67	8.41	0.30	4.60	8.40	-1.63
HCWU-20	3.32	2.20	7.31	1.12	0.89	7.30	2.43	1.22	7.30	2.10
HCWU-21	13.41	13.00	16.60	0.41	13.26	17.00	0.15	13.47	17.10	-0.06
HCWU-22	4.99	3.99	9.70	1.00	5.35	9.70	-0.36	7.30	9.69	-2.31
HCWU-23	12.51	12.75	16.30	-0.24	12.58	16.30	-0.07	12.68	16.28	-0.17
HCWU-24	8.78	8.37	13.20	0.41	9.22	13.22	-0.44	9.76	13.19	-0.98
HCWU-25	12.47	9.98	16.31	2.49	12.19	16.35	0.28	14.22	16.34	-1.75
HCWU-26	9.58	9.41	14.42	0.17	8.67	14.38	0.91	8.50	14.39	1.08

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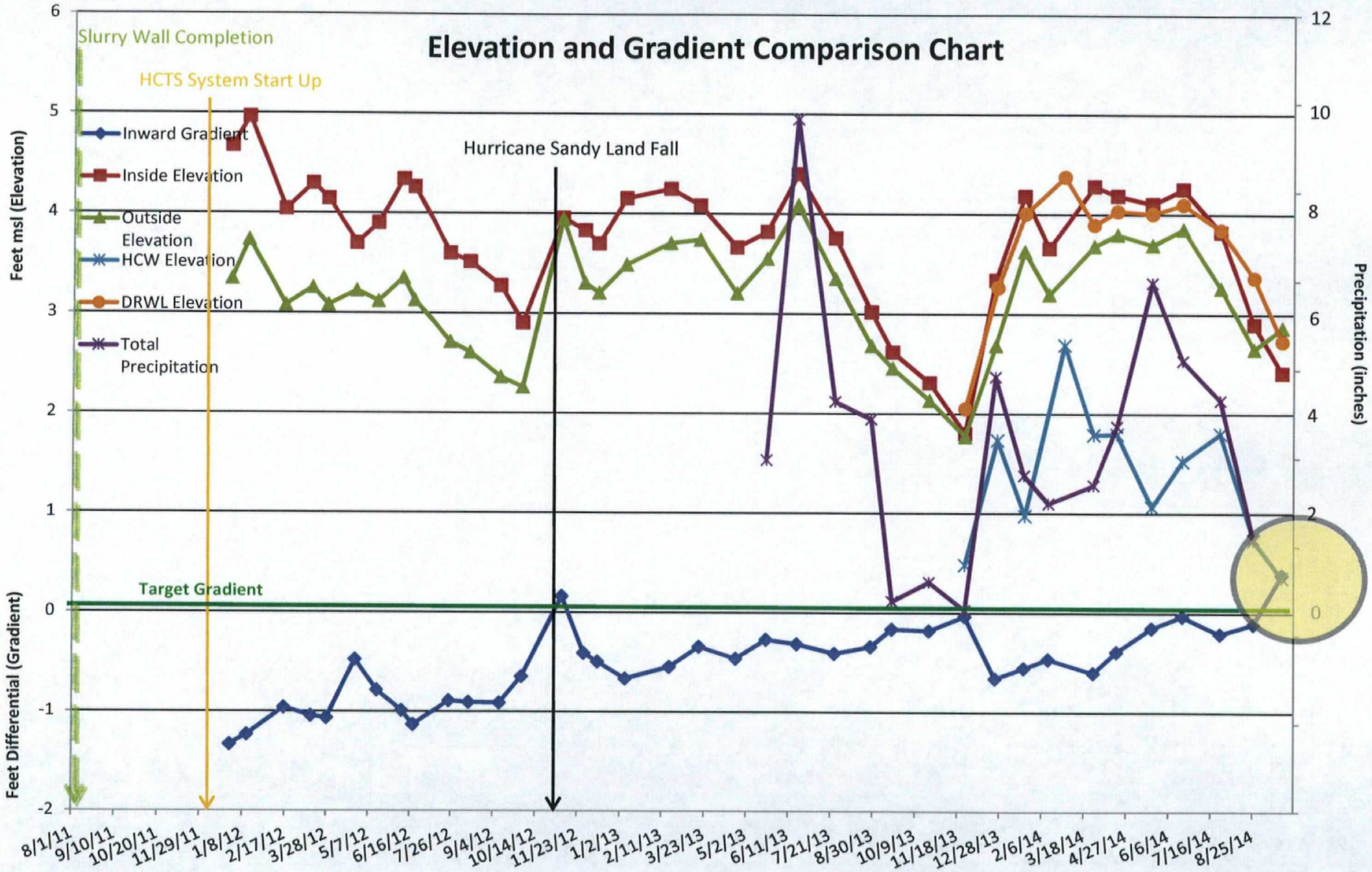
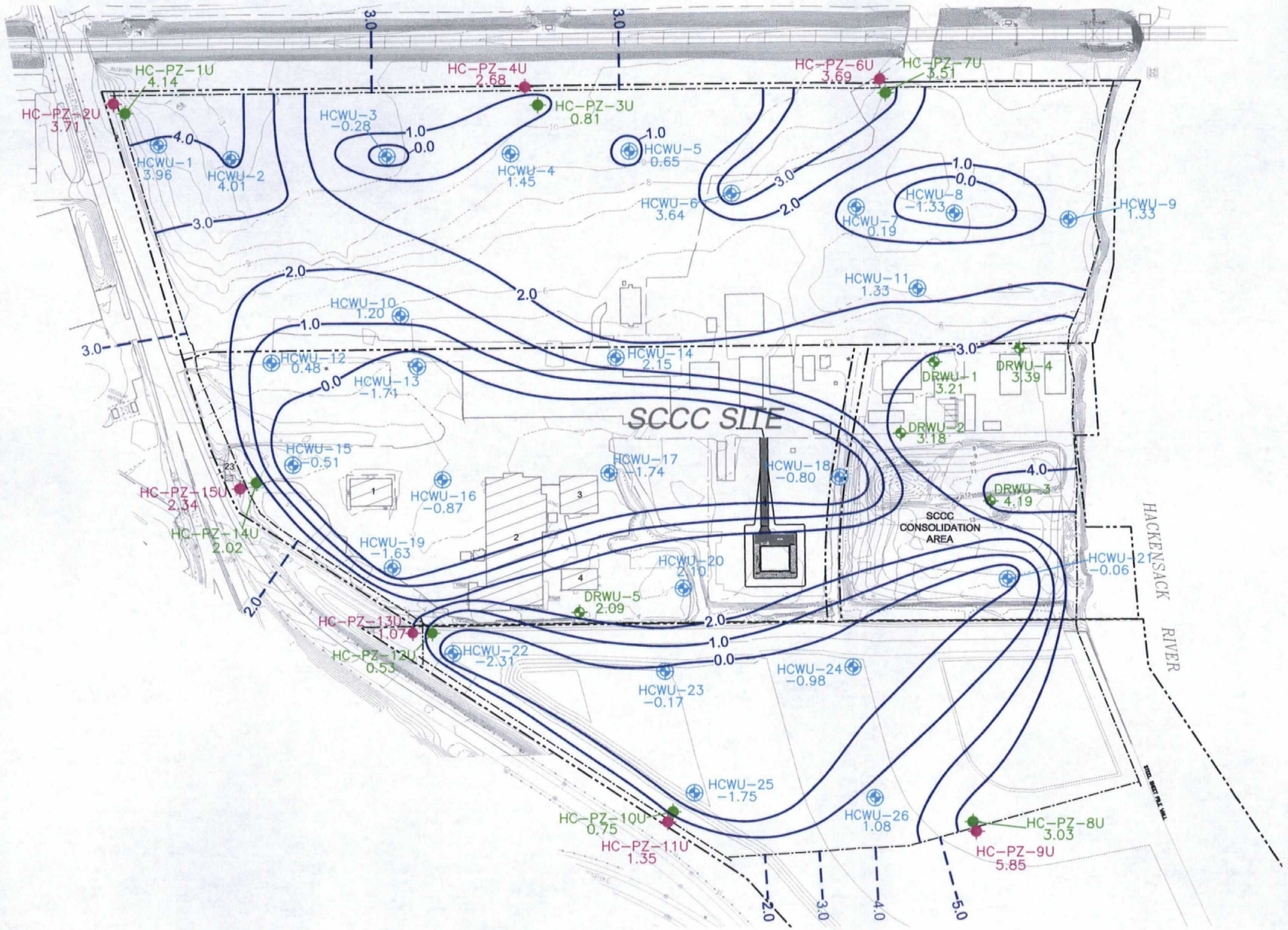
DRWU-1	5.17	1.10	10.66	4.07	1.40	10.66	3.77	1.96	10.66	3.21
DRWU-2	5.63	1.60	11.78	4.03	1.99	11.78	3.64	2.45	11.78	3.18
DRWU-3	16.13	11.35	22.35	4.78	11.70	22.35	4.43	11.94	22.35	4.19
DRWU-4	4.71	0.65	12.17	4.06	1.02	12.15	3.69	1.32	12.15	3.39
DRWU-5	2.80	-0.84	8.80	3.64	0.11	8.82	2.69	0.71	8.82	2.09
DRWL-1	7.35	2.75	31.90	4.60	3.26	31.90	4.09	3.64	31.90	3.71
DRWL-2	3.09	-0.33	26.95	3.42	0.04	26.95	3.05	0.46	26.95	2.63
DRWL-3	3.87	0.14	28.87	3.73	0.84	28.87	3.03	1.19	28.87	2.68
DRWL-4	5.65	1.76	30.45	3.89	2.34	30.45	3.31	2.78	30.45	2.87
DRWL-5	5.74	1.11	29.65	4.63	1.37	29.65	4.37	2.11	29.65	3.63
DRWL-6	17.36	13.21	40.82	4.15	13.88	40.82	3.48	14.29	40.82	3.07
DRWL-7	2.76	-0.73	27.15	3.49	0.00	27.15	2.76	0.39	27.15	2.37
DRWL-8	3.17	-0.38	28.65	3.55	0.46	28.65	2.71	0.91	28.65	2.26
DRWL-9	4.69	0.71	28.30	3.98	1.41	28.30	3.28	1.90	28.30	2.79
DRWL-10	6.46	3.05	30.60	3.41	4.01	30.60	2.45	4.48	30.60	1.98
DRWL-11	9.05	5.59	33.15	3.46	4.53	33.15	4.52	6.99	33.15	2.06

FIGURES

Figure 1
Standard Chlorine Chemical Co. Inc.
3rd Quarter 2014





LEGEND

- EXISTING ACCESS ROAD
- EXISTING NEW JERSEY TRANSIT RAILROAD (ACTIVE)
- EXISTING FENCE
- PROPERTY BOUNDARY
- EXISTING GROUND SURFACE ELEVATION CONTOURS
- EXISTING STREAM, POND AND RIVER BANK
- EXISTING STRUCTURE
- SLURRY WALL LOCATION
- FILL UNIT GROUNDWATER EXTRACTION (HYDRAULIC CONTROL) WELL LOCATION – UPPER ZONE
- FILL UNIT DNAPL RECOVERY WELL LOCATION – UPPER ZONE
- HYDRAULIC CONTROL PIEZOMETER UPPER ZONE – OUTSIDE WALL
- HYDRAULIC CONTROL PIEZOMETER UPPER ZONE – INSIDE WALL
- 3.39 GROUNDWATER ELEVATION
- 3.0 GROUNDWATER ELEVATION CONTOUR

0 120 240 FEET

REV #	DATE	DESCRIPTION	APPD

REFERENCE: EXISTING GROUND SURFACE CONTOURS PER AIR SURVEY, DULLES, VIRGINIA, APRIL 14, 2001. HORIZONTAL REFERENCE: NEW JERSEY STATE PLANE COORDINATES (NAD 1927). VERTICAL REFERENCE: NATIONAL GEODETIC VERTICAL DATUM (NGVD 1929).

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

PENINSULA RESTORATION GROUP

DRWN: SCC	DATE: 10/14/14	KEY ENVIRONMENTAL INCORPORATED
CHKD: RMW	DATE: 10/14/14	
APPD: JSZ	DATE: 10/14/14	
SCALE: AS SHOWN		

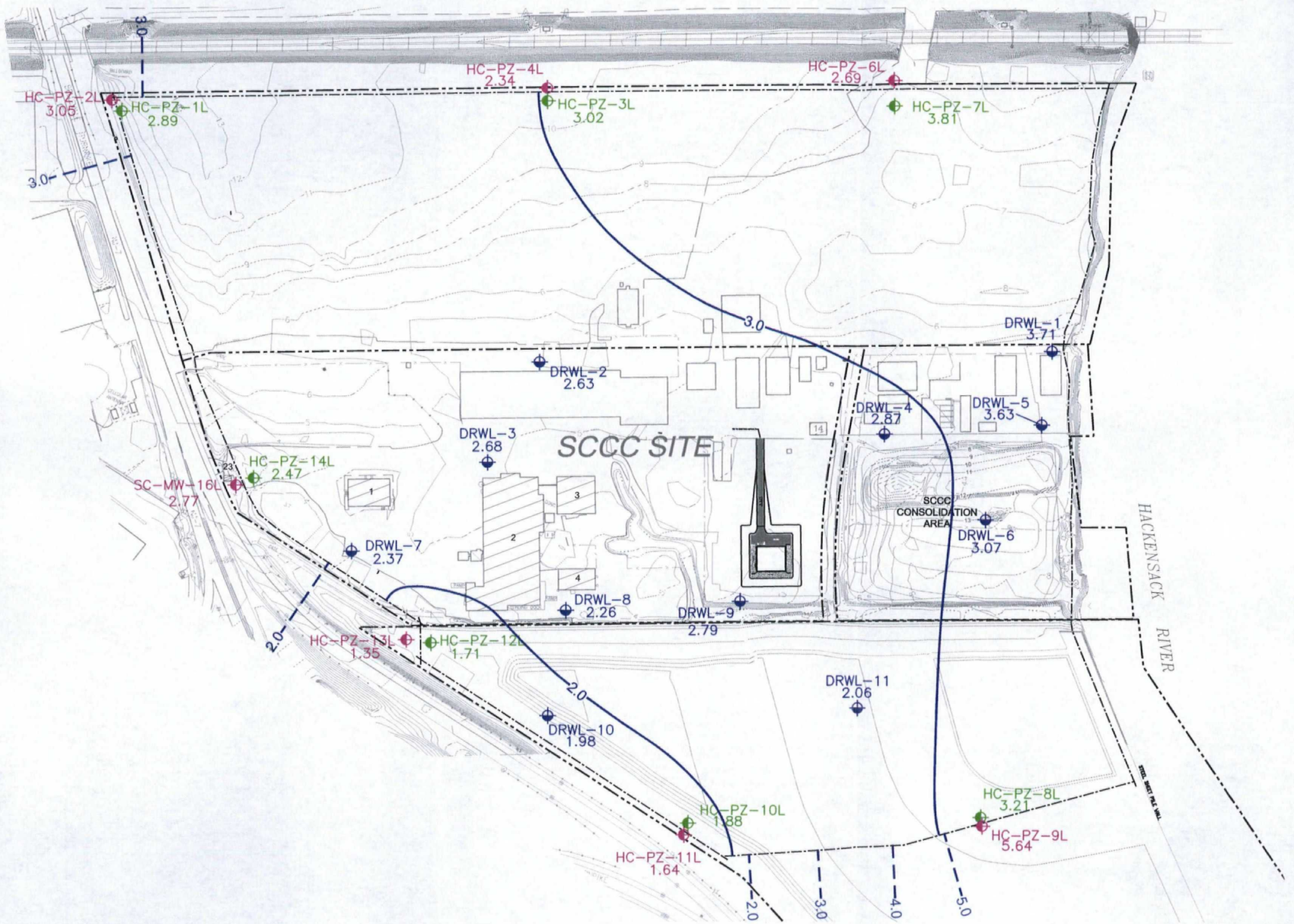
SCCC SITE
KEARNY, NEW JERSEY

GROUNDWATER ELEVATION CONTOURS
SURFICIAL FILL UNIT– SEPTEMBER 2014

PROJECT NO: 2014

FIGURE 2

J:\Docs\Kearny\2014 groundwater monitoring\september results\Figure 2.dwg Last Saved By: Scanner 11/4/2014 6:55 AM Plotted By: Shelly Corner 11/4/2014 6:55 AM Scale: 1:2



LEGEND

- EXISTING ACCESS ROAD
- EXISTING NEW JERSEY TRANSIT RAILROAD (ACTIVE)
- EXISTING FENCE
- PROPERTY BOUNDARY
- EXISTING GROUND SURFACE ELEVATION CONTOURS
- EXISTING STREAM, POND AND RIVER BANK
- SLURRY WALL LOCATION
- SAND UNIT DNAPL RECOVERY WELL LOCATION – LOWER ZONE
- HYDRAULIC CONTROL PIEZOMETER LOWER ZONE – OUTSIDE WALL
- HYDRAULIC CONTROL PIEZOMETER LOWER ZONE – INSIDE WALL
- 3.63 GROUNDWATER ELEVATION
- 3.0 GROUNDWATER ELEVATION CONTOUR

0 120 240 FEET

REV #	DATE	DESCRIPTION	APPD
3			
2			
1			

REFERENCE: EXISTING GROUND SURFACE CONTOURS PER AIR SURVEY, DULLES, VIRGINIA, APRIL 14, 2001. HORIZONTAL REFERENCE: NEW JERSEY STATE PLANE COORDINATES (NAD 1927). VERTICAL REFERENCE: NATIONAL GEODETIC VERTICAL DATUM (NGVD 1929).

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

PENINSULA RESTORATION GROUP

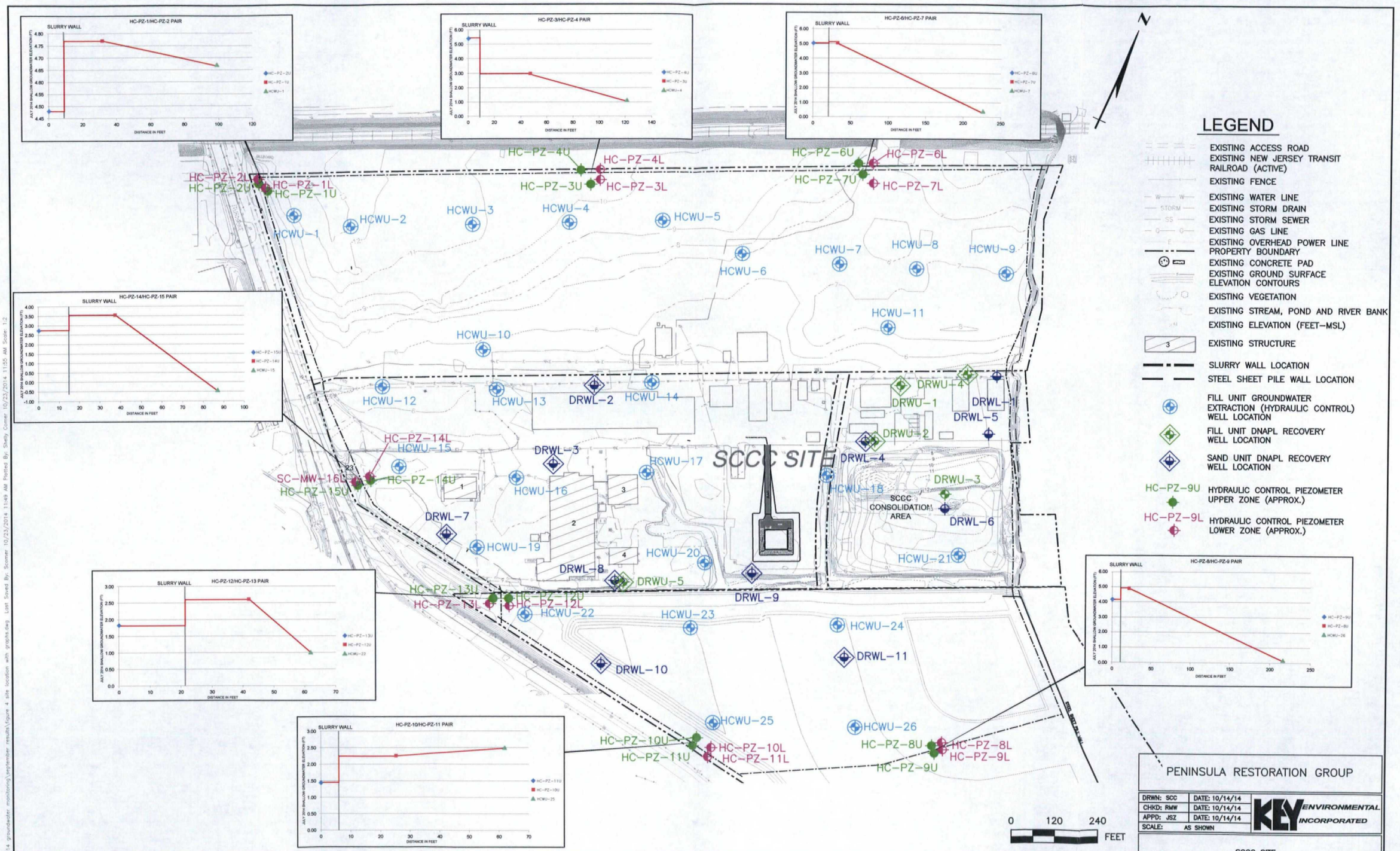
DRWN: SCC	DATE: 10/14/14	KEY ENVIRONMENTAL INCORPORATED
CHKD: RMW	DATE: 10/14/14	
APPD: JSZ	DATE: 10/14/14	
SCALE: AS SHOWN		

SCCC SITE
KEARNY, NEW JERSEY

GROUNDWATER ELEVATION CONTOURS
DEEP SAND UNIT – SEPTEMBER 2014

PROJECT NO: 2014
FIGURE 3

\\Ocsvr\Kearny 2014 groundwater monitoring\september-october results\Figure 3.dwg Last Saved By: Scanner 10/14/2014 4:45 AM Plotted By: Shelly Conner 10/14/2014 4:45 AM Scale: 1:2



LEGEND

- EXISTING ACCESS ROAD
- EXISTING NEW JERSEY TRANSIT RAILROAD (ACTIVE)
- EXISTING FENCE
- EXISTING WATER LINE
- EXISTING STORM DRAIN
- EXISTING STORM SEWER
- EXISTING GAS LINE
- EXISTING OVERHEAD POWER LINE
- PROPERTY BOUNDARY
- EXISTING CONCRETE PAD
- EXISTING GROUND SURFACE ELEVATION CONTOURS
- EXISTING VEGETATION
- EXISTING STREAM, POND AND RIVER BANK
- EXISTING ELEVATION (FEET–MSL)
- EXISTING STRUCTURE
- SLURRY WALL LOCATION
- STEEL SHEET PILE WALL LOCATION
- FILL UNIT GROUNDWATER EXTRACTION (HYDRAULIC CONTROL) WELL LOCATION
- FILL UNIT DNAPL RECOVERY WELL LOCATION
- SAND UNIT DNAPL RECOVERY WELL LOCATION
- HC–PZ–9U HYDRAULIC CONTROL PIEZOMETER UPPER ZONE (APPROX.)
- HC–PZ–9L HYDRAULIC CONTROL PIEZOMETER LOWER ZONE (APPROX.)

REV #	DATE	DESCRIPTION	APPD
3			
2			
1			

REFERENCE: EXISTING GROUND SURFACE CONTOURS PER AIR SURVEY, DULLES, VIRGINIA, JULY 14, 2001. HORIZONTAL REFERENCE: NEW JERSEY STATE PLANE COORDINATES (NAD 1927). VERTICAL REFERENCE: NATIONAL GEODETIC VERTICAL DATUM (NGVD 1929).

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PENINSULA RESTORATION GROUP

DRWN: SCC	DATE: 10/14/14	KEY ENVIRONMENTAL INCORPORATED
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APPD: JSZ	DATE: 10/14/14	
SCALE: AS SHOWN		

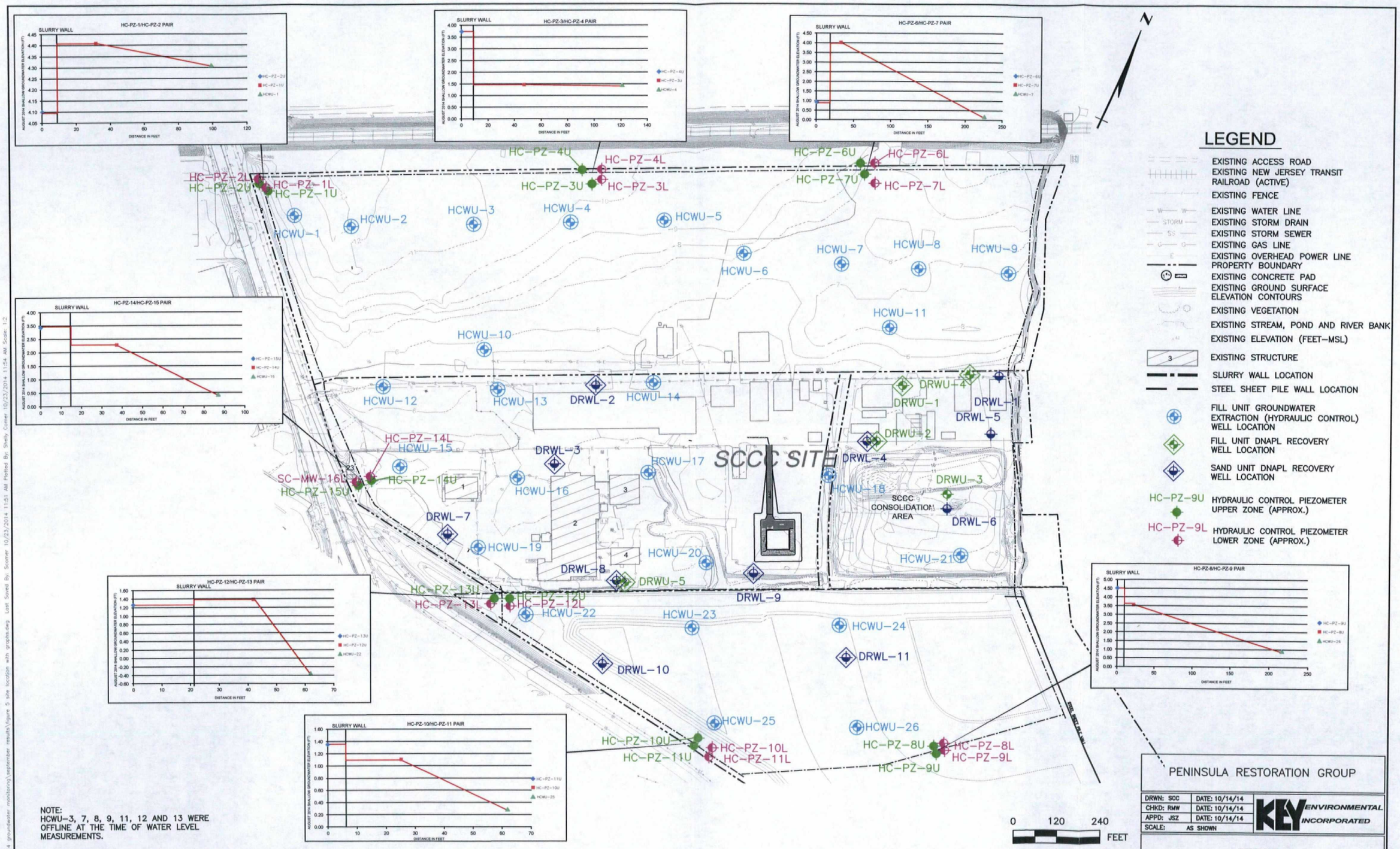
SCCC SITE
KEARNY, NEW JERSEY

GROUNDWATER GRAPHS
JULY 2014

PROJECT NO: 2013–02

FIGURE 4

\\Group1\keyng\2014 groundwater monitoring\september results\figure 4 site location with graphs.dwg Last Saved By: Scanner 10/23/2014 11:49 AM Plotted By: Shelly Conner 10/23/2014 11:55 AM Scale: 1:2



NOTE:
HCWU-3, 7, 8, 9, 11, 12 AND 13 WERE OFFLINE AT THE TIME OF WATER LEVEL MEASUREMENTS.

REFERENCE: EXISTING GROUND SURFACE CONTOURS PER AIR SURVEY, DULLES, VIRGINIA, APRIL 14, 2001. HORIZONTAL REFERENCE: NEW JERSEY STATE PLANE COORDINATES (NAD 1927). VERTICAL REFERENCE: NATIONAL GEODETIC VERTICAL DATUM (NGVD 1929).

REV #	DATE	DESCRIPTION	APPD
△			
△			
△			

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

PENINSULA RESTORATION GROUP

DRWN: SCC	DATE: 10/14/14
CHKD: RMW	DATE: 10/14/14
APPD: JSZ	DATE: 10/14/14
SCALE: AS SHOWN	

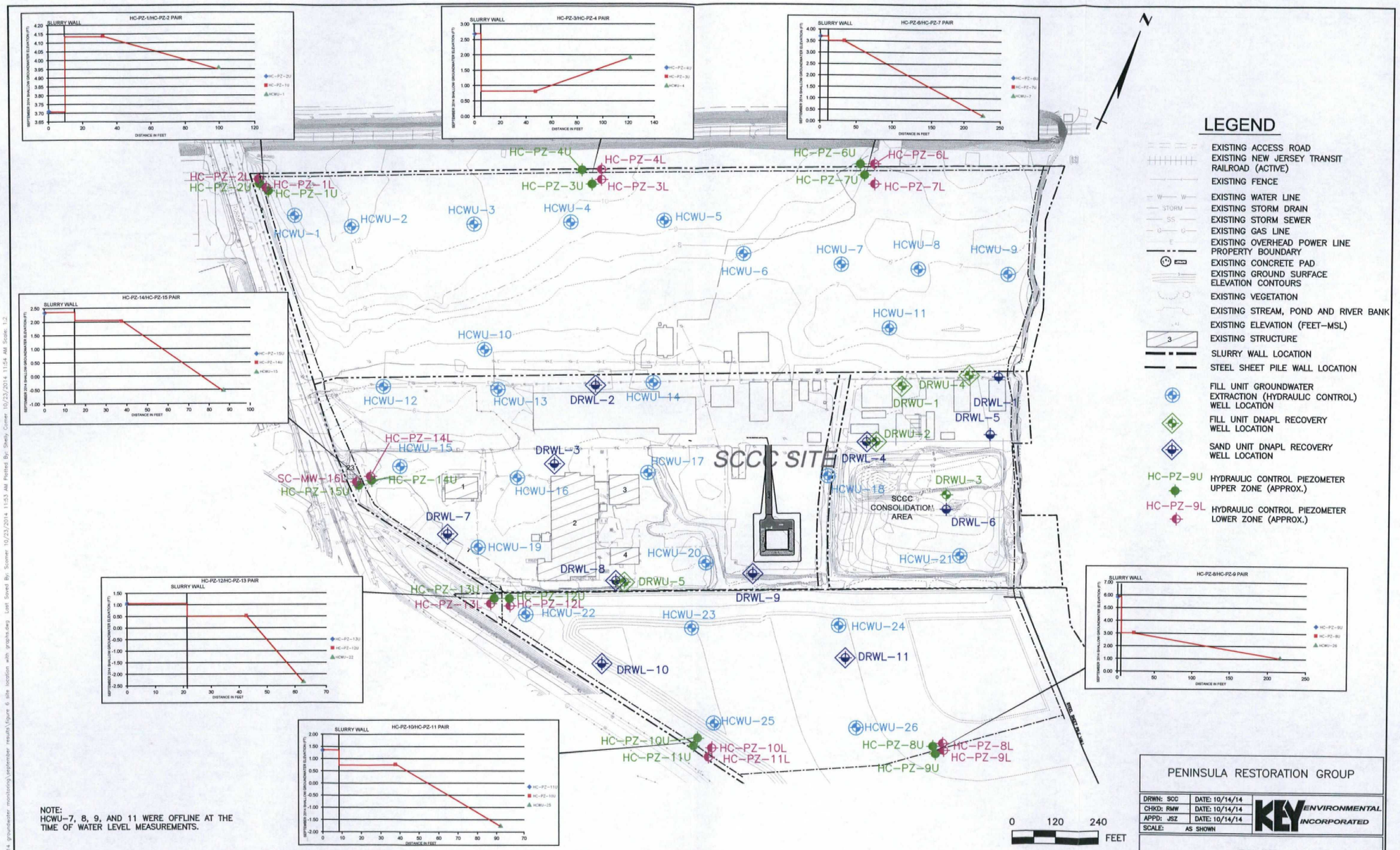
KEY ENVIRONMENTAL INCORPORATED

SCCC SITE
KEARNY, NEW JERSEY

GROUNDWATER GRAPHS
AUGUST 2014

PROJECT NO: 2013-02

FIGURE 5



NOTE:
HCWU-7, 8, 9, AND 11 WERE OFFLINE AT THE TIME OF WATER LEVEL MEASUREMENTS.

REV #	DATE	DESCRIPTION	APPD
3			
2			
1			

REFERENCE: EXISTING GROUND SURFACE CONTOURS PER AIR SURVEY, DULLES, VIRGINIA, APRIL 14, 2001. HORIZONTAL REFERENCE: NEW JERSEY STATE PLANE COORDINATES (NAD 1927). VERTICAL REFERENCE: NATIONAL GEODETIC VERTICAL DATUM (NGVD 1929).

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CHKD: RMW	DATE: 10/14/14	
APPD: JSZ	DATE: 10/14/14	
SCALE: AS SHOWN		

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KEARNY, NEW JERSEY

GROUNDWATER GRAPHS
SEPTEMBER 2014

PROJECT NO: 2013-02
FIGURE 6