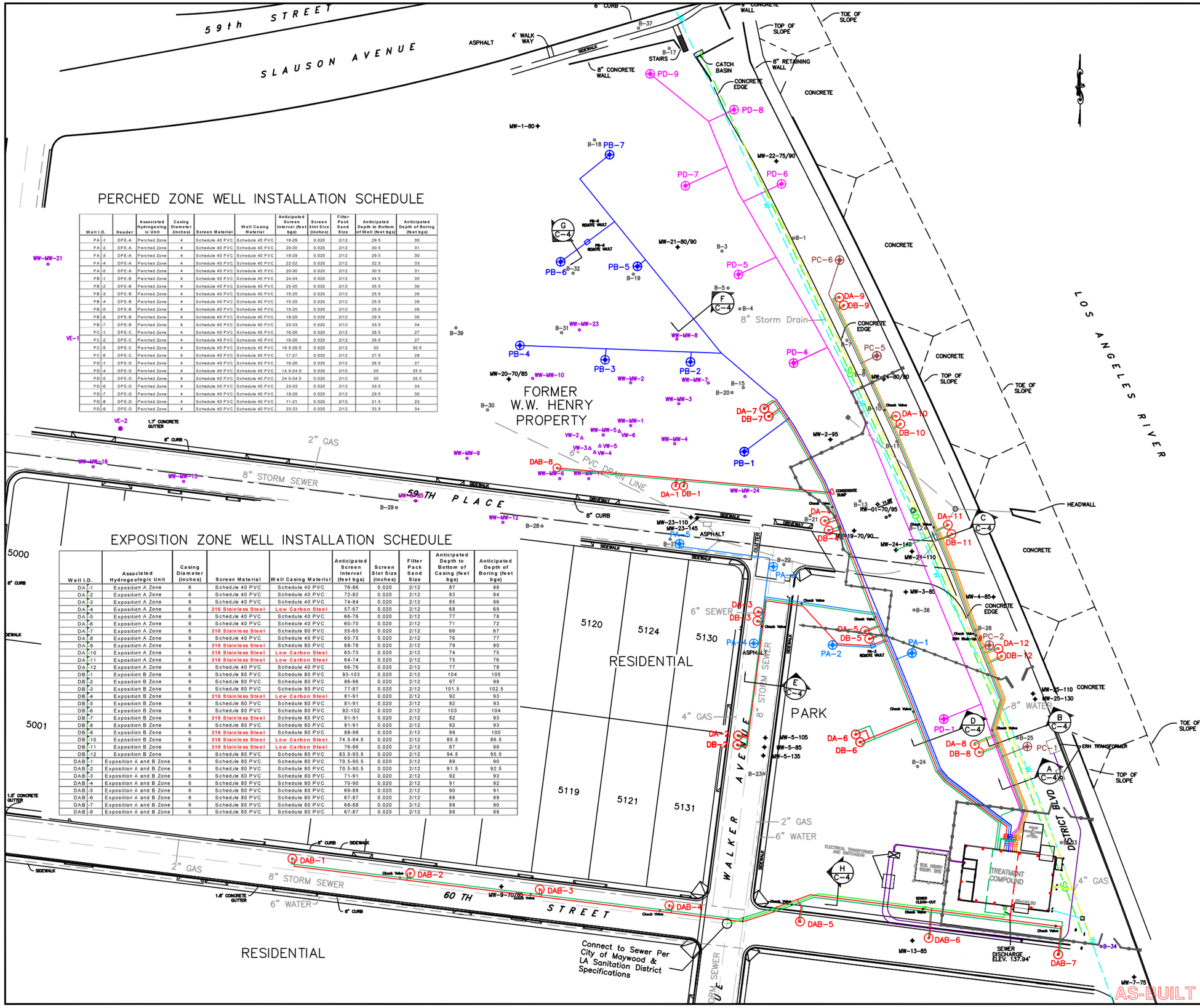

PERCHED ZONE WELL INSTALLATION SCHEDULE

Well I.D.	Header	Associated Hydrogeologic Unit	Casing Diameter (inches)	Screen Material	Well Casing Material	Anticipated Screen Interval (feet bgs)	Screen Slot Size (inches)	Filter Pack Sand Size	Anticipated Depth to Bottom of Well (feet bgs)	Anticipated Depth of Boring (feet bgs)
PA -1	DPE-A	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	19-29	0.020	2/12	29.5	30
PA -2	DPE-A	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	20-30	0.020	2/12	30.5	31
PA -3	DPE-A	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	19-29	0.020	2/12	29.5	30
PA -4	DPE-A	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	22-32	0.020	2/12	32.5	33
PA -5	DPE-A	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	20-30	0.020	2/12	30.5	31
PB -1	DPE-B	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	24-34	0.020	2/12	34.5	35
PB -2	DPE-B	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	25-35	0.020	2/12	35.5	36
PB -3	DPE-B	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	15-25	0.020	2/12	25.5	26
PB -4	DPE-B	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	15-25	0.020	2/12	25.5	26
PB -5	DPE-B	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	15-25	0.020	2/12	25.5	26
PB -6	DPE-B	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	19-29	0.020	2/12	29.5	30
PB -7	DPE-B	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	23-33	0.020	2/12	33.5	34
PC -1	DPE-C	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	16-26	0.020	2/12	26.5	27
PC -2	DPE-C	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	16-26	0.020	2/12	26.5	27
PC -5	DPE-C	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	19.5-29.5	0.020	2/12	30	30.5
PC -6	DPE-C	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	17-27	0.020	2/12	27.5	28
PD -1	DPE-D	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	16-26	0.020	2/12	26.5	27
PD -4	DPE-D	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	14.5-24.5	0.020	2/12	25	25.5
PD -5	DPE-D	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	24.5-34.5	0.020	2/12	35	35.5
PD -6	DPE-D	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	23-33	0.020	2/12	33.5	34
PD -7	DPE-D	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	19-29	0.020	2/12	29.5	30
PD -8	DPE-D	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	11-21	0.020	2/12	21.5	22
PD -9	DPE-D	Perched Zone	4	Schedule 40 PVC	Schedule 40 PVC	23-33	0.020	2/12	33.5	34

EXPOSITION ZONE WELL INSTALLATION SCHEDULE

Well I.D.	Associated Hydrogeologic Unit	Casing Diameter (inches)	Screen Material	Well Casing Material	Anticipated Screen Interval (feet bgs)	Screen Slot Size (inches)	Filter Pack Sand Size	Anticipated Depth to Bottom of Casing (feet bgs)	Anticipated Depth of Boring (feet bgs)
DA -1	Exposition A Zone	6	Schedule 40 PVC	Schedule 40 PVC	76-86	0.020	2/12	87	88
DA -2	Exposition A Zone	6	Schedule 40 PVC	Schedule 40 PVC	72-82	0.020	2/12	83	84
DA -3	Exposition A Zone	6	Schedule 40 PVC	Schedule 40 PVC	74-84	0.020	2/12	85	86
DA -4	Exposition A Zone	6	316 Stainless Steel	Low Carbon Steel	57-67	0.020	2/12	68	69
DA -5	Exposition A Zone	6	Schedule 40 PVC	Schedule 40 PVC	66-76	0.020	2/12	77	78
DA -6	Exposition A Zone	6	Schedule 40 PVC	Schedule 40 PVC	60-70	0.020	2/12	71	72
DA -7	Exposition A Zone	6	316 Stainless Steel	Schedule 80 PVC	55-65	0.020	2/12	66	67
DA -8	Exposition A Zone	6	Schedule 40 PVC	Schedule 40 PVC	65-75	0.020	2/12	76	77
DA -9	Exposition A Zone	6	316 Stainless Steel	Schedule 80 PVC	68-78	0.020	2/12	79	80
DA -10	Exposition A Zone	6	316 Stainless Steel	Low Carbon Steel	63-73	0.020	2/12	74	75
DA -11	Exposition A Zone	6	316 Stainless Steel	Low Carbon Steel	64-74	0.020	2/12	75	76
DA -12	Exposition A Zone	6	Schedule 40 PVC	Schedule 40 PVC	66-76	0.020	2/12	77	78
DB -1	Exposition B Zone	6	Schedule 80 PVC	Schedule 80 PVC	93-103	0.020	2/12	104	105
DB -2	Exposition B Zone	6	Schedule 80 PVC	Schedule 80 PVC	86-96	0.020	2/12	97	98
DB -3	Exposition B Zone	6	Schedule 80 PVC	Schedule 80 PVC	77-87	0.020	2/12	101.5	102.5
DB -4	Exposition B Zone	6	316 Stainless Steel	Low Carbon Steel	81-91	0.020	2/12	92	93
DB -5	Exposition B Zone	6	Schedule 80 PVC	Schedule 80 PVC	81-91	0.020	2/12	92	93
DB -6	Exposition B Zone	6	Schedule 80 PVC	Schedule 80 PVC	92-102	0.020	2/12	103	104
DB -7	Exposition B Zone	6	316 Stainless Steel	Schedule 80 PVC	81-91	0.020	2/12	92	93
DB -8	Exposition B Zone	6	Schedule 80 PVC	Schedule 80 PVC	81-91	0.020	2/12	92	93
DB -9	Exposition B Zone	6	316 Stainless Steel	Schedule 80 PVC	88-98	0.020	2/12	99	100
DB -10	Exposition B Zone	6	316 Stainless Steel	Low Carbon Steel	74.5-84.5	0.020	2/12	85.5	86.5
DB -11	Exposition B Zone	6	316 Stainless Steel	Low Carbon Steel	76-86	0.020	2/12	87	88
DB -12	Exposition B Zone	6	Schedule 80 PVC	Schedule 80 PVC	83.5-93.5	0.020	2/12	94.5	95.5
DAB -1	Exposition A and B Zone	6	Schedule 80 PVC	Schedule 80 PVC	70.5-90.5	0.020	2/12	89	90
DAB -2	Exposition A and B Zone	6	Schedule 80 PVC	Schedule 80 PVC	70.5-90.5	0.020	2/12	91.5	92.5
DAB -3	Exposition A and B Zone	6	Schedule 80 PVC	Schedule 80 PVC	71-91	0.020	2/12	92	93
DAB -4	Exposition A and B Zone	6	Schedule 80 PVC	Schedule 80 PVC	70-90	0.020	2/12	91	92
DAB -5	Exposition A and B Zone	6	Schedule 80 PVC	Schedule 80 PVC	69-89	0.020	2/12	90	91
DAB -6	Exposition A and B Zone	6	Schedule 80 PVC	Schedule 80 PVC	67-87	0.020	2/12	88	89
DAB -7	Exposition A and B Zone	6	Schedule 80 PVC	Schedule 80 PVC	68-88	0.020	2/12	89	90
DAB -8	Exposition A and B Zone	6	Schedule 80 PVC	Schedule 80 PVC	67-87	0.020	2/12	88	89

LEGEND:

- EXTRACTION WELL SCREENED THROUGH BOTH 'A' AND 'B' ZONES
- EXTRACTION WELL WITH INDIVIDUAL SCREENS FOR THE 'A' AND 'B' ZONES
- PERCHED ZONE WELL
- PEMACO WELL, EXISTING MONITORING WELL, PERCHED ZONE (<35 FEET BGS)
- PEMACO WELL, EXISTING MONITORING WELL, EXPOSITION AQUIFER
- PEMACO WELL, EXISTING RECOVERY WELL LOCATION
- W.W. HENRY WELL, EXISTING GROUNDWATER MONITORING WELL
- W.W. HENRY WELL, EXISTING DPE WELL – DEEP, INTERMEDIATE AND SHALLOW
- W.W. HENRY WELL, EXISTING SVE WELL
- SEWER DISCHARGE
- EXISTING WATER LINE
- EXISTING SEWER LINE
- EXISTING GAS LINE
- FENCE LINE
- C.S. CONDENSATE SUMP
- G.W. GROUNDWATER SUMP

PERCHED ZONE PIPING:

- LIGHT BLUE DPE-A 5 WELLS (PA-1 TO PA-5) WEST TRENCH
- DARK BLUE DPE-B 7 WELLS (PB-1 TO PB-7) WEST TRENCH
- BROWN DPE-C 4 WELLS (PC-1, PC-4 TO PC-6) WEST TRENCH
- PURPLE DPE-D 7 WELLS (PD-1, PD-4 TO PD-9) EAST TRENCH

EXPOSITION ZONE PIPING:

- GREEN 1 GW-1 7 WELLS (DAB-1 TO DAB-7) SOUTH TRENCH
- GREEN 2 GW-2 15 WELLS (DAB-8, DA/DB-1 TO DA/DB-7) WEST TRENCH
- GREEN 3 GW-3 11 WELLS (DA/DB-8 TO DA/DB-12, MW-24-140) EAST TRENCH
- RED 1 VE-1 7 WELLS (DAB-1 TO DAB-7) SOUTH TRENCH
- RED 2 VE-2 15 WELLS (DAB-8, DA/DB-1 TO DA/DB-7) WEST TRENCH

ERH AREA PIPING:

- ORANGE ERH, VE-3 EAST TRENCH
  6 DEEP WELLS (DA/DB-8 TO DA/DB-10), ERH WELLS TBD BY ERH SUBCONTRACTOR
- ORANGE ERH, VE-4 EAST TRENCH
  4 DEEP WELLS (DA/DB-11 TO DA/DB-12), ERH WELLS TBD BY ERH SUBCONTRACTOR

NOTES:

1. THE TRENCH NETWORK IS COMPRISED OF THREE MAIN TRENCHES REFERRED TO IN THE DRAWINGS AND SPECIFICATIONS AS THE EAST, WEST AND SOUTH TRENCHES.
2. THE LINES AND GRADES OF THE EAST, WEST AND SOUTH TRENCHES ARE SHOWN ON DRAWING C-2 - TRENCH LOCATION PLAN AND DRAWING C-5 - PIPE/TRENCH ELEVATION PROFILE. TRENCH CROSS SECTION DETAILS ARE SHOWN ON DRAWING C-4.
3. CONSTRUCTION SURVEYING METHODS SHALL BE USED TO ACCURATELY STAKE ALL WELL AND TRENCH LOCATIONS PRIOR TO CONSTRUCTION. A GRADE CHECKER SHALL BE USED DURING THE CONSTRUCTION OF THE TRENCHES TO ASSURE ADEQUATE DEPTH AND SLOPE HAVE BEEN ATTAINED.
4. INSTALL WELLS ACCORDING TO SCHEDULES SHOWN ON THIS DRAWING. FINAL DEPTH AND SCREEN INTERVALS SHALL BE DETERMINED BY THE INSTALLING GEOLOGIST OR ENGINEER BASED ON THE OBSERVED DEPTH OF THE TARGET INTERVAL.
5. THE ERH CONTRACTOR SHALL SPECIFY THE LOCATION AND CONSTRUCTION DETAILS FOR ALL ERH VAPOR EXTRACTION WELLS AND RELATED FACILITIES.
6. ALL PROCESS PIPING SHALL BE SLOPED TOWARD THE TREATMENT COMPOUND. A SERIES OF CONDENSATE COLLECTION SUMPS (AS SHOWN), SHALL BE LOCATED ADJACENT TO THE TREATMENT COMPOUND FOR EACH DPE OR VE PIPELINE. PIPE INSTALLATION SHOULD BEGIN AT THE LOW POINT AND WORK UPHILL TO ENSURE PROPER SLOPING IS MAINTAINED.
7. PIPELINES INSTALLED BENEATH THE TREATMENT COMPOUND FOUNDATION SHALL BE INSTALLED BETWEEN COLUMN FOOTINGS AND A MINIMUM OF 1' BENEATH THE CONCRETE SLAB.
8. TRENCH AND WELL LOCATIONS HAVE BEEN POSITIONED SO AS TO NOT INTERFERE WITH MAYWOOD PARK CONSTRUCTION LINES, GRADES AND DRAINAGE STRUCTURES. REPOSITIONING OF WELLS, PIPES OR TRENCHES SHALL BE COORDINATED WITH THE CITY OF MAYWOOD AND THE PARK CONTRACTOR.
9. THE WELL AND TRENCH CONSTRUCTION SCHEDULE SHALL BE COORDINATED WITH THE CITY OF MAYWOOD AND THE PARK CONTRACTOR TO FOLLOW PARK GRADING AND PRECEDE PARK LANDSCAPING AND HARDSCAPING. ALL WORK WITHIN THE PARK AREA SHOULD BE PERFORMED FIRST, TO BE FOLLOWED BY WORK IN ROADS (OUTSIDE OF THE PARK AREA).

0 40 80

APPROXIMATE SCALE IN FEET

WELLS, PIPES AND TRENCHES

PEMACO SUPERFUND SITE
5050 EAST SLAUSON AVENUE
MAYWOOD, CALIFORNIA

PREPARED FOR:
U.S. Environmental Protection Agency
Region IX
San Francisco, California

PREPARED BY:
TN & Associates, Inc.
Engineering and Science

SCALE: AS SHOWN	APPROVED FINAL	DATE: 04/23/07	
DESIGNED: JW & GN		DRAWING C-3	REV 16
DRAWN: CBG			
CHECKED: JW			