



SAN LUIS OBISPO COUNTY
DEPARTMENT OF PUBLIC WORKS

Paavo Ogren, Director

County Government Center, Room 207 • San Luis Obispo CA 93408 • (805) 781-5252
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June 8, 2012

**EMAIL AND FAX ONLY &
ATTACH TO CONTRACT**

**ADDENDUM NO. 4 TO
LOS OSOS WASTEWATER PROJECT
COLLECTION SYSTEM AREAS B & C
LOS OSOS, CA
CONTRACT NO. 300448.08.01.BC**

**The final day, time and location for submittal of Bid remain unchanged by this Addendum:
Date / Time: Thursday June 14, 2012 at 3:00 p.m.**

At: Office of the County Clerk
1055 Monterey Street, Room D-120
San Luis Obispo, California 93408

Certain revisions are hereby incorporated into the Bidding Documents for the subject project. These revisions are as follows:

Division 0, Bidding and Contract Requirements, is hereby amended as follows:

- 1) On page 00200-11, delete Article 28, "Escrow Bid Documents," and insert the following in its place:

ARTICLE 28 – ESCROW BID DOCUMENTS

Bidders are hereby notified of the requirements for the three low bidders to submit Escrow Bid Documents no later than 4:00 p.m. on the second business day after bid opening, as set forth in Section 01115, "Escrow Bid Documents," of Division 1, "General Requirements."

- 2) On page 00700-26, delete the word "pollution," in the third sentence of Paragraph 5.04.C.1.b.

Division 1, General Requirements, is hereby amended as follows:

- 1) On page 01060-2, add the following new Paragraph 1.02.B.7:
 7. California Department of Public Health. For purposes of public health and pipeline separation criteria, recycled water mains shall be considered sewer pipes with respect to existing or new water pipes, and shall be considered water pipes with respect to existing or new sewer pipes, as referenced in Drawing Details C-117 and C-118 of Drawing numbers C-GC-062 and B-GC-062.
- 2) On page 01115-1, delete the first sentence of Paragraph 1.01.A and insert the following in its place:

The three low bidders shall submit, no later than 4:00 p.m. on the second business day after bid opening, one copy of all documentary information generated in preparation of bid prices for this Contract to the office of the Clerk of the Board of Supervisors of the County of San Luis Obispo at 1055 Monterey Street, Room D-120, San Luis Obispo, CA 93408,
- 3) In Section 01500 replace Figure 1, Staging Area for B and C, with the revised Figure 1, Staging Area for B and C, attached to this Addendum No. 4.

Division 2, Site Construction, is hereby amended as follows:

- 1) On pages 02621-3 through 02621-7, delete Paragraph 1.06.E in its entirety and replace with the new Paragraph 1.06.E attached to this Addendum No. 4. (The newly revised Paragraph 1.06E attached hereto supersedes that previously provided in Addendum No. 2.)
- 2) Delete Section 02912, Leachfield Effluent Disposal System, in its entirety and insert the new Section 02912 attached to this Addendum No. 4. (The newly revised Section 02912, pages 02912-1 through 02912-8 attached hereto, supersedes that previously provided in Addendum No. 2.)

Appendices, Appendix I, Wage Determinations, is hereby amended as follows:

- 1) Delete page I-1 through I-24 in their entirety and replace with the new pages I-1 through I-24 attached to this Addendum No. 4.

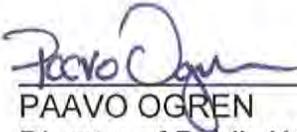
Volume 2, Area B Drawings, is hereby amended as follows:

- 1) Replace plan sheet B-G-010 with the corresponding revised sheet attached to this Addendum No. 4.

Volume 3, Area C Drawings, is hereby amended as follows:

- 1) Replace each plan sheet C-G-006A, C-G-010, and C-ED-330 with its corresponding revised sheet attached to this Addendum No. 4. (The newly revised plan sheet C-ED-330 attached hereto supersedes that previously provided in Addendum No. 2.)

All bidders shall acknowledge acceptance of this correction notice. **PLEASE FAX TO US, TODAY, A SIGNED COPY OF THIS SHEET INDICATING CONFIRMATION OF RECEIPT OF THIS ADDENDUM (FAX (805) 781-1229).** If you are unable to read the fax, please call Jeff Werst in the Public Works Department at (805) 781-5252.



PAAVO OGREN
Director of Public Works

Enclosures

File: Contract No. 300448.08.01.BC

ACKNOWLEDGMENT

Company Name

Printed Name

Signature

Date

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E. Pressure pipes, as specified in Section 02622, shall be used in high groundwater areas for gravity sewer service, as shown in the Table below, and shall use PVC fittings.

Start Stationing	End Stationing	Street	Drawing No.	Pipe Diameter
7+79.94	10+50	3 rd Street	A-PP-100	18
10+88.75	7+57.75	El Moro Avenue	A-PP-101	18
7+57.75	4+24.75	El Moro Avenue	A-PP-101	18
14+11.75	10+88.75	El Moro Avenue	A-PP-102	18
27+33.02	24+10.02	El Moro Avenue	A-PP-102	10
24+10.02	20+76.02	El Moro Avenue	A-PP-102	12
20+76.02	17+44.75	El Moro Avenue	A-PP-102	16
17+44.75	14+11.75	El Moro Avenue	A-PP-102	16
30+67.02	27+33.02	El Moro Avenue	A-PP-103	10
25+12	28+18.16	5th Street	A-PP-107	8
32+50	28+18.16	5th Street	A-PP-108	8
29+50	33+40	6th Street	A-PP-110	8
33+40	34+95.23	6th Street	A-PP-110	8
39+00	34+95.23	6th Street	A-PP-111	8
43+00	39+00	6th Street	A-PP-111	8
39+72	41+75.61	7th Street	A-PP-113	8
37+76	39+72	7th Street	A-PP-114	8
45+75	41+75.61	7th Street	A-PP-115	8
45+75	48+56.04	8th Street	A-PP-118	8
41+74.99	45+75	8th Street	A-PP-119	8
52+50	48+56.04	8th Street	A-PP-120	8
52+00	54+99.46	9th Street	A-PP-124	8
48+20.02	52+00	9th Street	A-PP-125	8
59+00	54+99.46	9th Street	A-PP-126	8
51+93	56+07.62	10th Street	A-PP-131	8
47+92.93	51+93	10th Street	A-PP-132	8
44+65	48+54.51	11th Street	A-PP-133	8
47+16.36	50+37.86	Paso robles Avenue	A-PP-158	8
50+37.86	53+76.76	Paso robles Avenue	A-PP-158	8
43+79.05	47+16.36	Paso robles Avenue	A-PP-159	8
6+60	10+30	18th Street	A-PP-161	8
18+42	14+50	18th Street	A-PP-163	8
42+00	45+71	17th Street	A-PP-165	8
45+71	49+65.98	17th Street	A-PP-165	8
53+50	49+65.98	17th Street	A-PP-167	8
18+30	21+29.49	16th Street	A-PP-168	8
24+00	21+29.49	16th Street	A-PP-169	8
26+00	24+00	16th Street	A-PP-169	8
10+50.01	7+74.59	2nd Street	A-PP-175	8
7+74.59	3+17.40	2nd Street	A-PP-175	12
7+74.59	10+50.01	2nd Street	A-PP-175	8
0+99.91	5+34.78	Santa Maria Avenue	A-PP-184	10
5+34.78	7+21.31	Santa Maria Avenue	A-PP-184	10
7+21.31	10+56.31	Santa Maria Avenue	A-PP-184	10
5+25	7+74.69	1st Street	A-PP-187	8

Start Stationing	End Stationing	Street	Drawing No.	Pipe Diameter
14+58.70	11+49.67	1st Street	A-PP-187	8
11+49.67	7+74.69	1st Street	A-PP-187	8
5+95	3+50	Baywood	A-PP-189	8
3+50	0+98.31	Baywood	A-PP-189	8
17+14.10	13+81.33	Santa Maria Avenue	A-PP-191	8
13+81.33	10+56.33	Santa Maria Avenue	A-PP-191	8
22+04	25+00	4th Street	A-PP-192	8
25+00	28+14.46	4th Street	A-PP-192	8
17+13	21+34.11	3rd Street	A-PP-194	8
15+60	17+13	3rd Street	A-PP-194	8
23+50	21+34.11	3rd Street	A-PP-195	8
0+95.31	03+06.2	Lupine Street	B-PP-101	8
22+17.04	24+31.24	Doris Avenue	B-PP-102	12
24+31.24	26+61.71	Doris Avenue	B-PP-102	12
10+62.44	12+94.02	Binscarth Road	B-PP-103	12
8+23.20	10+62.44	Binscarth Road	B-PP-104	12
5+74.42	8+23.20	Binscarth Road	B-PP-104	12
1+06.06	5+74.42	Binscarth Road	B-PP-104	12
19+75.06	22+14.71	Pecho Road	B-PP-105	12
17+23	19+75.06	Pecho Road	B-PP-105	12
14+10	17+23	Pecho Road	B-PP-105	10
3+12.19	1+06.57	Lupine Street	B-PP-107	8
5+40.59	3+12.19	Lupine Street	B-PP-107	8
3+19.04	1+05.94	Bay Street	B-PP-108	10
6+62.19	3+19.04	Bay Street	B-PP-108	10
3+60	0+94	Ramona Avenue	B-PP-109	8
6+15.58	3+60	Ramona Avenue	B-PP-109	8
7+50	6+15.58	Ramona Avenue	B-PP-109	8
12+00	15+13.17	Donna Avenue	B-PP-110	8
11+20	15+10.65	Fearn Avenue	B-PP-111	8
15+67.55	15+10.65	Fearn Avenue	B-PP-111	8
16+03.64	13+38.30	Mitchell Drive	B-PP-112	8
17+60	16+03.64	Mitchell Drive	B-PP-112	8
11+90	13+38.30	Mitchell Avenue	B-PP-112	8
6+66.83	9+41.72	Don Avenue	B-PP-113	8
30+62.32	33+08.37	Pine Avenue	B-PP-115	8
25+34.98	23+09.12	Broderson Avenue	B-PP-117	8
27+40.40	26+61.71	Doris Avenue	B-PP-118	12
27+90.70	27+40.40	Doris Avenue	B-PP-118	8
29+49.59	27+90.70	Doris Avenue	B-PP-118	8
30+35.24	29+49.59	Doris Avenue	B-PP-118	8
7+53.22	1+28.00	Mitchell Drive	B-PP-119	8
15+45.88	12+94.02	Binscarth Road	B-PP-120	8
17+73.62	15+45.88	Binscarth Road	B-PP-120	8
20+25.78	17+73.62	Binscarth Road	B-PP-120	8
8+29.31	10+73.32	Donna Avenue	B-PP-125	8
5+81.73	8+29.31	Donna Avenue	B-PP-125	8
8+25.16	10+70.99	Fearn Avenue	B-PP-128	8
5+79.28	8+25.16	Fearn Avenue	B-PP-128	8

Start Stationing	End Stationing	Street	Drawing No.	Pipe Diameter
3+55	5+85.95	Don Avenue	B-PP-132	8
19+09.72	22+17.04	Doris Avenue	B-PP-140	8
17+07.46	19+09.72	Doris Avenue	B-PP-140	8
3+30	0+74.53	Garden Street	B-PP-141	8
13+08.95	10+68.94	Nancy Avenue	B-PP-142	8
0+92.97	5+00.61	Sunny Hill Road	B-PP-144	8
6+69.99	8+45.94	Henrietta Avenue	B-PP-145	8
1+03.90	4+94.15	Maple Avenue	B-PP-146	8
6+58.37	10+68.94	Nancy Avenue	B-PP-148	8
4+27.34	6+58.37	Nancy Avenue	B-PP-148	8
3+15	1+05.97	Grove Street	B-PP-151	8
5+30	3+15	Grove Street	B-PP-151	8
3+33.90	1+05.93	Henrietta Avenue	B-PP-152	8
5+07.24	3+33.90	Henrietta Avenue	B-PP-152	8
7+81.91	7+20.29	Solano Street	B-PP-154	8
0+92.68	3+52.89	Nevada Court	B-PP-157	8
9+55.54	10+43.37	Butte Drive	B-PP-158	8
6+14.36	9+55.54	Butte Drive	B-PP-158	8
2+45.45	6+14.36	Butte Drive	B-PP-158	8
61+30.27	60+23.36	Los Osos Valley Road	C-PP-102	16
63+20	61+30.27	Los Osos Valley Road	C-PP-102	16
66+26.53	63+20	Los Osos Valley Road	C-PP-102	16
70+43.21	66+26.53	Los Osos Valley Road	C-PP-102	16
72+60	70+43.21	Los Osos Valley Road	C-PP-103	16
74+47	72+60	Los Osos Valley Road	C-PP-103	16
74+75.63	74+47	Los Osos Valley Road	C-PP-103	16
76+89.07	74+75.63	Los Osos Valley Road	C-PP-103	16
80+08	76+89.07	Los Osos Valley Road	C-PP-104	16
80+97.37	80+08	Los Osos Valley Road	C-PP-104	16
83+31.78	80+97.37	Los Osos Valley Road	C-PP-104	12
84+20	83+31.78	Los Osos Valley Road	C-PP-104	12
85+98	84+20	Los Osos Valley Road	C-PP-104	12
86+94	85+98	Los Osos Valley Road	C-PP-104	12
90+04.35	86+94	Los Osos Valley Road	C-PP-104	10
91+25	90+04.35	Los Osos Valley Road	C-PP-105	10
93+42	91+25	Los Osos Valley Road	C-PP-105	8
95+53	93+42	Los Osos Valley Road	C-PP-105	8
96+97	95+53	Los Osos Valley Road	C-PP-105	8
97+11	96+97	Los Osos Valley Road	C-PP-105	8
98+56	97+11	Los Osos Valley Road	C-PP-105	8
101+18	98+56	Los Osos Valley Road	C-PP-105	8
103+95.18	101+18	Los Osos Valley Road	C-PP-106	8
104+34.73	103+95.18	Los Osos Valley Road	C-PP-106	8
108+15.11	104+34.73	Los Osos Valley Road	C-PP-106	8
1+55	1+11.9	Bush Drive	C-PP-129	8
4+45	1+55	Bush Drive	C-PP-129	8
3+92	3+61.78	Ferrel Avenue	C-PP-130	8
6+31	3+92	Ferrel Avenue	C-PP-130	8
1+00	0+47.44	9th Street	C-PP-131	16

Start Stationing	End Stationing	Street	Drawing No.	Pipe Diameter
3+06	1+00	9th Street	C-PP-131	16
6+49	3+06	9th Street	C-PP-131	16
7+39.05	6+49	9th Street	C-PP-131	16
11+83.69	12+23.69	Bayview Heights Drive	C-PP-132	8
10+52	11+83.69	Bayview Heights Drive	C-PP-132	8
6+97.2	10+52	Bayview Heights Drive	C-PP-132	8
11+71	10+10.61	Bay Oaks Drive	C-PP-133	8
12+56.95	11+71	Bay Oaks Drive	C-PP-133	8
1+65	0+90.83	10th Street	C-PP-139	8
4+06	1+65	10th Street	C-PP-139	8
6+40	6+89.92	Sunset Drive	C-PP-140	8
3+90	6+40	Sunset Drive	C-PP-140	8
1+89	3+90	Sunset Drive	C-PP-140	8
4+22.64	4+49.89	Paso Robles Avenue	D-PP-100	18
4+29.88	7+79.38	3rd Street	D-PP-101	18
1+68.51	4+29.88	3rd Street	D-PP-101	18
4+28.81	1+93.33	Pismo Avenue	D-PP-102	18
1+93.33	1+04.16	Pismo Avenue	D-PP-102	18
7+91.19	4+68.72	4th Street	D-PP-103	16
4+68.72	1+69.23	4th Street	D-PP-103	14
7+52.67	10+52.67	11th Street	D-PP-110	12
4+52.67	7+52.67	11th Street	D-PP-110	12
1+10.35	4+52.67	11th Street	D-PP-111	12
10+59.55	7+66.68	Los Olivos Avenue	D-PP-112	10
12+55.99	10+59.55	Los Olivos Avenue	D-PP-112	10
7+64.46	4+28.81	Pismo Avenue	D-PP-114	14
10+89.68	7+64.46	Pismo Avenue	D-PP-114	14
14+07.85	10+89.68	Pismo Avenue	D-PP-114	14
14+07.85	17+42.99	Pismo Avenue	D-PP-115	14
35+03.66	31+12.20	Pismo Avenue	D-PP-116	14
15+26.2	18+33.47	10th Street	D-PP-134	8
11+89.22	15+26.2	10th Street	D-PP-135	8
9+25.94	11+89.22	10th Street	D-PP-135	8
5+68.81	8+43	Fairchild Way	D-PP-139	8
8+43	9+84.46	Fairchild Way	D-PP-139	8
10+18.25	7+91.22	4th Street	D-PP-144	8
26+11.11	28+11.68	11th Street	D-PP-158	8
9+45.58	10+94.16	Santa Ynez Avenue	D-PP-172A	8
1+20.07	5+19.12	12th Street	D-PP-174	8
21+13.03	17+53.28	Santa Ynez Avenue	D-PP-175	8
24+03.04	21+13.03	Santa Ynez Avenue	D-PP-175	8
15+42.68	17+03.44	Fairchild Way	D-PP-176	8
13+81.7	15+42.68	Fairchild Way	D-PP-176	8
7+14.56	8+52.10	Mountain View Avenue	D-PP-180	8
8+52.10	11+86.27	Mountain View Avenue	D-PP-180	8
5+17.99	7+14.56	Mountain View Avenue	D-PP-181	8
2+21.84	5+17.99	Mountain View Avenue	D-PP-181	8
27+70.72	29+81.92	Santa Ynez Avenue	D-PP-182	8
25+70.86	27+70.72	Santa Ynez Avenue	D-PP-182	8

Start Stationing	End Stationing	Street	Drawing No.	Pipe Diameter
29+81.92	30+69.45	Santa Ynez Avenue	D-PP-182	8
30+69.45	31+32.77	Santa Ynez Avenue	D-PP-182	8
31+32.77	34+01.29	Santa Ynez Avenue	D-PP-182	8
24+41.06	27+56.97	Los Olivos Avenue	D-PP-183	8

SECTION 02912

LEACHFIELD EFFLUENT DISPOSAL SYSTEM

PART 1 GENERAL

1.01 THE REQUIREMENT

- A. The CONTRACTOR shall provide the Broderson Leachfield Effluent Disposal System comprising pressure-dosed leaching chambers, complete and in place, in accordance with the Contract Documents.
- B. This Section includes high density polypropylene leaching chambers (absorption chambers) and solid and perforated PVC pressure pipe with solvent-welded, flanged, or screwed joints.
- C. The Broderson Leachfield Effluent Disposal System shall have a capacity of 1,600,000 gallons per day.

1.02 RELATED WORK

- A. Contractor Submittals are included in Section 01300.
- B. Pipeline testing and cleaning water lines is included in Section 01445.
- C. Earthwork is included in Section 02200.
- D. Trenching, backfilling and compacting is included in Section 02221.
- E. Pavement repair and resurfacing are included in Section 02576.
- F. Precast concrete structures are included in Section 02605.
- G. Ductile iron fittings are included in Section 02616.
- H. Small Diameter PVC Pressure Pipe Section 02624.
- I. Valves and appurtenances are included in Division 15.
- J. Revegetation is included in Section 02930.

1.03 SUBMITTALS

- A. All Submittals shall be in accordance with Section 01300 – Contractor Submittals.
- B. Submit within 30 days of the Effective Date of the Agreement, the name of the pipe and fitting manufacturers and a list of materials to be furnished by each manufacturer. Also, include information on local representative for each manufacturer, if product is sold through a distributor.

- C. Submit Shop Drawings including piping layouts and schedules shall include dimensioning, fittings, types and locations of valves and appurtenances, joint details, methods and location of supports, anchorage, gasket material, grade of material and all other pertinent technical information for all items to be furnished.
- D. Prior to each shipment of pipe, submit certified test reports that the pipe for this Contract was manufactured and tested in accordance with the ASTM and AWWA Standards specified herein shall be submitted.
- E. Submit complete description of method of pipe installation.
- F. Submit the manufacturer's recommendations for handling, storing and installing the pipe and fittings.
- G. Submit ISO certification or material testing requirements. Material testing requirements to be submitted:
 - 1. A third party materials testing laboratory shall be contracted.
 - 2. 3 random samples from sales distribution locations shall be obtained without manufacturer notification.
 - 3. Product samples shall be test for: Tensile Flexural Modulus ASTM D790, Tensile Yield Strength ASTM D638, Environmental Stress Crack Resistance D1693, and Izod Impact ASTM D256.
 - 4. Materials testing lab shall contact the manufacturer and obtain the minimum property specifications.
 - 5. The materials testing laboratory shall prepare a report comparing the testing results to the minimum specifications.

1.04 REFERENCE STANDARDS

- A. American Society for Testing and Materials (ASTM)
 - 1. ASTM D1784 - Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.
 - 2. ASTM D1785 – Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120
 - 3. ASTM D2241 - Standard Specification for Poly (Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series).
 - 4. ASTM D3139 - Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals.
 - 5. ASTM F 1498 – Standard Specification for Taper Pipe Threads 60 Degrees for Thermoplastic Pipe and Fittings

6. ASTM F477 - Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe.
- B. American Water Works Association (AWWA)
 1. AWWA M-23 – Manual of Water Supply Practices PVC Pipe, Design and Installation.
- C. National Sanitation Foundation (NSF)
 1. Standard No. 14 - Plastic Piping Components and Related Materials.
- D. American National Standards Institute
 1. ANSI/ASME B 16.5 – Pipe Flanges and Flanged Fittings, Class 150
- E. International Association of Plumbing and Mechanical Officials
 1. IAPMO PS 63 – Plastic Leaching Chambers.
- F. Where reference is made to one of the above standards, the revision in effect at the time of bid opening shall apply.

1.05 QUALITY ASSURANCE

- A. All small diameter PVC pipe shall be from a single manufacturer. The supplier shall be responsible for the provisions of all test requirements specified in ASTM D3034 and NSF Standard No. 14 as applicable. In addition, all PVC pipe to be installed under this Contract may be inspected at the plant for compliance with this Section by an independent testing laboratory provided by the OWNER. The CONTRACTOR shall require the manufacturer's cooperation in these inspections. The cost of plant inspection of all pipe approved for this Contract, plus the cost of inspection of a reasonable amount of disapproved pipe, will be borne by the OWNER.
- B. Inspections of the pipe may also be made by the ENGINEER or other representatives of the OWNER after delivery. The pipe shall be subject to rejection at any time on account of failure to meet any of the requirements specified herein, even though sample pipes may have been accepted as satisfactory at the place of manufacture. Pipe rejected after delivery shall be marked for identification and shall be removed from the job at once.
- C. Chamber manufacturing facility shall be ISO certified to the latest requirements. Proof of certification shall be required as part of the submittals.
- D. If the plant is not ISO certified then the contractor shall submit material testing as defined in the submittals.

1.06 DELIVERY, STORAGE AND HANDLING

- A. All items shall be bundled or packaged in such a manner as to provide adequate protection of the ends during transportation to the site. Any pipe damaged in shipment shall be replaced as directed by the ENGINEER.

- B. PVC items deteriorate in sunlight and are slightly brittle, especially at lower temperatures, so care shall be taken in loading, transporting and unloading items to prevent injury to the items. All items shall be examined before installation and no piece shall be installed which is found to be defective. Handling and installation of pipe and fittings shall be in accordance with the manufacturer's instructions, referenced standards and as specified herein.
- C. Any pipe or fitting showing a crack or which has received a blow that may have caused an incident fracture, even though no such fracture can be seen, shall be marked as rejected and removed immediately from the job.
- D. Any gouges or scratches that extend 10 percent or more into the pipe wall shall be cause for rejection of that pipe. The undamaged portion may be cut off and used. Rejected materials shall be clearly marked as rejected, segregated and removed from the site.
- E. While stored, pipe shall be adequately supported from below at not more than 3-ft intervals to prevent deformation. The pipe shall be stored in stacks no higher than 5 rows.
- F. Pipe and fittings shall be stored in a manner which will keep them at ambient outdoor temperatures and out of the sunlight. Temporary shading as required to meet this requirement shall be provided. Simple covering of the pipe and fittings which allows temperature buildup or direct or indirect sunlight will not be permitted.
- G. If any defective item is discovered after it has been installed, it shall be removed and replaced with an exact replacement item in a satisfactory manner by the CONTRACTOR, at the CONTRACTOR's own expense. All pipe and fittings shall be thoroughly cleaned before installation and the interior shall be kept clean until testing
- H. In handling the items, use special devices and methods as required to achieve the results specified herein. No uncushioned devices shall be used in handling the item.
- I. Do not deliver chambers to job site earlier than one week prior to scheduled date of commencing installation.
- J. All storage and handling of the chambers at job site shall not in any way impair or damage the product.

PART 2 PRODUCTS

2.01 LEACHING CHAMBER

- A. The leaching chambers are also referred to as absorption chambers..
- B. The chambers shall be manufactured of polypropylene by an injection molding process. If the chambers are to be manufactured via other methods, then Environmental Stress Crack Resistance testing is required with the submittals.
- C. The chambers shall be arch shaped and of open bottom construction with provisions for side exit of effluent. ..
- D. The chambers shall achieve an axle loading of 16,000 lbs/axle (AASHTO rating of H-10) with 12" of compacted backfill, and installed according to manufacturer's specifications.

- E. The chamber shall be injection molded in units not exceeding 90.7 inches in length, by 51 inches in width, by 30 (+/-) inches in height. When interlocked the effective length shall be 85.4 inches. The chamber shall allow for pressure or gravity distribution.
- F. The chamber endplates shall accommodate many invert heights.
- G. Individual units shall be constructed in a manner that allows interlocking sufficiently to prevent the intrusion of soil at the joint.
- H. Manufacturer or Equal
 - 1. Infiltrator Systems, Inc. 3050 Chamber
 - 2. ADS Stormtech SC-740 Chamber.

2.02 GEOTEXTILE FABRIC

- A. The crushed stone placed over the chambers shall be covered with geotextile fabric per plan details. Geotextile fabric shall comply with Section 02200 and 02221.

2.03 PIPE MATERIAL

- A. PVC pipe shall be made from all new rigid unplasticized polyvinyl chloride complying with Section 02624. Pipe shall be alternating 10-foot long sections of solid wall pressure pipe and 10-foot long sections of perforated pipe. Perforated pipe shall have two ½-inch diameter holes drilled at 5-inch on center 120 degrees apart at 10 and 2 o'clock positions.

2.04 PIPE JOINTS

- A. Pipe joints shall be solvent-welded type with solvent cement and primer as recommended by the pipe manufacturer for the chemical in the pipe and in accordance with ASTM D2564 – Standard Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems.
- B. Screwed joints that are necessary to match up to threaded valves or fittings shall be made up with appropriate thread sealant, either paste or tape.
- C. Flanged joints shall be made with solvent-welded PVC flanges, drilled to ANSI/ASME B 16.5 – Pipe Flanges and Flanged Fittings, Class 150, unless otherwise indicated. Gaskets shall be ANSI 150 lb. full face, 1/8-inch thick Neoprene for water or wastewater service. Gasket material for chemicals shall be suitable for the chemical service.

2.05 FITTINGS

- A. Solvent Welded and Threaded Fittings: Solvent-welded and threaded fittings shall be Schedule 80 PVC fittings in accordance with ASTM D 2467 – Standard Specifications for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80.
- B. Flanged Fittings: Flanged fittings shall be Schedule 80 fabricated PVC fittings with 150 lb. flanges to ANSI/ASME B 16.5.

2.06 BEDDING AND BACKFILL

- A. Chamber backfill shall be washed 1-1/2- to 2-inch crushed stone with a gradation meeting Type F coarse drainrock as specified in Section 02200 or similar as approved by the engineer.
- B. Trench backfill over the chamber geotextile shall be Type I native backfill in accordance with Section 02200 – Earthwork.
- C. Buried pipe bedding and backfill shall be Type I native backfill in accordance with Section 02200 – Earthwork.

2.07 FLOW CONTROL VAULTS

- A. Precast Vaults: Precast vaults shall comply with Section 02605.
- B. Pipe Penetration Seals: Vault wall penetration seals shall comply with Section 15100.
- C. Solvent Welded and Threaded Fittings: Solvent-welded and threaded fittings shall be Schedule 80 PVC fittings in accordance with ASTM D 2467 – Standard Specifications for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80 complying with Section 02624.
- D. Flanged Fittings: Flanged fittings shall be ductile iron fittings with 150 lb. flanges conforming to Section 02616.
- E. Isolation Valves: Gate valves shall comply with Section 15100.
- F. Flow Control Valves: Solenoid flow control valves shall comply with Section 15100.
- G. Pipe Supports: Isolation Valves: Gate valves shall comply with Section 15100.
- H. Sleeve Coupling: Sleeve couplings shall comply with Section 15100.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install chambers, pipe, pipe fittings, accessories, and bedding materials in strict accordance with plans and instructions by the manufacturer.
 - 1. Excavate trenches to proper width, and proper depth.
 - 2. Smooth irregularities in the excavation. A level, flat surface is required in the bottom of the trench prior to setting the assembled chambers.
 - 3. Assemble the pressure (alternating sections of solid wall and perforated) piping.
 - 4. Assemble leaching chambers and universal endplates together in the trenches.
 - 5. Drill out pipe hole opening in the end plates as needed and connect inlet pipes and observation ports.

6. Fill sidewall area to top of the chambers with washed crushed stone.
 7. Cover crushed stone with geotextile fabric.
 8. Cover geotextile fabric over leaching chambers to a minimum of 18 inches with select native backfill after consolidation.
 9. Compact backfill to 85% relative compaction and complete backfilling to grade.
 10. Place topsoil and seed to establish vegetative cover and stabilize the slope per planting plan.
- B. Pipe General: PVC pipe shall be installed in a neat and workmanlike manner, properly aligned, and cut from measurements taken at the Site to avoid interferences with structural members, architectural features, openings, and equipment. Exposed pipe shall afford maximum headroom and access to equipment, and where necessary, piping shall be installed with sufficient slopes for venting or drainage of liquids and condensate to low points. It is recommended that the CONTRACTOR obtain the assistance of the pipe manufacturer's field representative to instruct the pipefitters in the correct installation and support of PVC piping.
- C. Supports and anchors: Piping shall be firmly supported with fabricated or commercial hangers or supports in accordance with Section 15140 – Pipe Hangers and Supports. Where necessary to avoid stress on equipment or structural members, the pipe shall be anchored or harnessed. Expansion joints and guides shall compensate for pipe expansion due to temperature changes.
- D. Valve and Unions: Unless otherwise indicated, connections to fixtures, groups of fixtures, and equipment shall be provided with a shutoff valve and union, unless the valve has flanged ends. Unions shall be provided at threaded valves, equipment, and other devices requiring occasional removal or disconnection. Valves and flanges attached to PVC pipe shall be provided with adequate supports.

3.02 PIPE PREPARATION

- A. Prior to installation, each pipe length shall be carefully inspected, flushed clean of any debris or dust, and be straightened, if not true. Ends of threaded pipes shall be reamed and filed smooth. Pipe fittings shall be equally cleaned before assembly.

3.03 PIPE JOINTS

- A. Threaded Joints: Pipe threads shall conform to ASTM F 1498 – Standard Specification for Taper Pipe Threads 60 Degrees for Thermoplastic Pipe and Fittings, and shall be full and cleanly cut with sharp dies or molded. Joints shall be made with Teflon tape or thread sealant.
- B. Solvent-Welded Joints: Solvent-welded joints shall be made with fresh primer and solvent cement on clean, dry pipe ends. The primer and cement cans shall be kept closed at all times and the joints shall be made up at the recommended ambient temperatures, to the pipe or cement manufacturer's written recommendations. Pipe ends shall be inserted to the full depth of the socket.

- C. Flange Joints: Flanged joints shall be made with gaskets and Type 316 stainless steel bolts and nuts. Care shall be taken not to over-torque the bolts, in accordance with the manufacturer's written recommendations.

3.04 INSPECTION AND FIELD TESTING

- A. Inspection: Finished installations shall be carefully inspected for proper joints and sufficient supports, anchoring, interferences, and damage to pipe, fittings, and coating. Damage shall be repaired to the satisfaction of the ENGINEER.
- B. Field Testing: The CONTRACTOR shall allow adequate time for the solvent cement joints to cure. Curing time shall be per the solvent cement manufacturer's recommendation. Prior to enclosure or burying, piping systems shall be pressure tested as required in the Piping Schedule and in accordance with Section 01445, for a period of not less than two hours, without exceeding the tolerances listed in the Piping Schedule. Caution – Do not use air or gas for testing PVC pipe. Where no pressures are indicated, the pipes shall be subject to 1-1/2 times the maximum working pressure. The CONTRACTOR shall furnish all test equipment, labor, materials, and devices.
- C. Leakage shall be determined by loss of pressure. Fixtures, devices, or other accessories that would be damaged if subjected to the test pressure shall be disconnected and ends of the branch lines shall be plugged or capped as appropriate during the testing procedures.
- D. Leaks shall be repaired to the satisfaction of the ENGINEER, and the system shall be retested until no leaks are found.

END OF SECTION

General Decision Number: CA120019 06/08/2012 CA19

Superseded General Decision Number: CA20100019

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

County: San Luis Obispo County in California.

BUILDING, DREDGING (does not include hopper dredge work), HEAVY (does not include water well drilling, AND HIGHWAY CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	01/06/2012
1	03/02/2012
2	03/30/2012
3	04/20/2012
4	04/27/2012
5	05/04/2012
6	05/18/2012
7	06/08/2012

ASBE0005-002 06/28/2010

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials, protective coverings, coatings, and finishes to all types of mechanical systems).....	\$ 32.79	16.31
Fire Stop Technician (Application of Firestopping Materials for wall openings and penetrations in walls, floors, ceilings and curtain walls).....	\$ 24.21	13.76

ASBE0005-004 06/28/2010

	Rates	Fringes
Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether		

they contain asbestos or not)....\$ 18.70 8.65

BOIL0092-004 05/01/2011

Area within a 25 mile radius of City of Santa Maria

	Rates	Fringes
BOILERMAKER.....	\$ 41.26	25.27

BOIL0549-007 01/01/2009

Remainder of County outside a 25 mile radius of City of Santa Maria

	Rates	Fringes
BOILERMAKER.....	\$ 37.01	22.25

* BRCA0004-006 05/01/2012

	Rates	Fringes
BRICKLAYER; MARBLE SETTER.....	\$ 36.20	12.35

*The wage scale for prevailing wage projects performed in Blythe, China lake, Death Valley, Fort Irwin, Twenty-Nine Palms, Needles and 1-15 corridor (Barstow to the Nevada State Line) will be Three Dollars (\$3.00) above the standard San Bernardino/Riverside County hourly wage rate

BRCA0018-008 06/01/2011

	Rates	Fringes
MARBLE FINISHER.....	\$ 28.02	12.22
TILE FINISHER.....	\$ 27.80	12.54

BRCA0018-011 06/01/2011

	Rates	Fringes
TILE LAYER.....	\$ 38.61	13.83

CARP0409-001 07/01/2010

	Rates	Fringes
CARPENTER		
(1) Carpenter, Cabinet Installer, Insulation Installer, Hardwood Floor Worker and acoustical installer, and solar panels.	\$ 37.35	11.08
(2) Millwright.....	\$ 37.85	11.08
(3) Piledriver/Derrick Bargeman, Bridge or Dock Carpenter, Heavy Frammer, Rock Bargeman or Scowman,		

Rockslinger, Shingler (Commercial).....	\$ 37.48	10.58
(3) Piledrivermen/Derrick Bargeman, Bridge or Dock Carpenter, Heavy Framer, Rock Bargeman or Scowman, Rockslinger, Shingler (Commercial).....	\$ 37.48	11.08
(4) Pneumatic Nailer, Power Stapler.....	\$ 37.60	11.08
(5) Sawfiler.....	\$ 37.44	11.08
(6) Scaffold Builder.....	\$ 28.55	11.08
(7) Table Power Saw Operator.....	\$ 37.45	11.08

FOOTNOTE: Work of forming in the construction of open cut sewers or storm drains, on operations in which horizontal lagging is used in conjunction with steel H-Beams driven or placed in pre- drilled holes, for that portion of a lagged trench against which concrete is poured, namely, as a substitute for back forms (which work is performed by piledrivers): \$0.13 per hour additional. Certified Welder - \$1.00 per hour premium.

CARP0409-005 07/01/2010

	Rates	Fringes
Drywall		
DRYWALL INSTALLER/LATHER....	\$ 37.35	11.08
STOCKER/SCRAPPER.....	\$ 10.00	6.67

CARP0409-008 08/01/2010

	Rates	Fringes
Modular Furniture Installer.....	\$ 17.00	7.41

* ELEC0011-002 05/28/2012

COMMUNICATIONS AND SYSTEMS WORK

	Rates	Fringes
Communications System		
Installer.....	\$ 27.25	11.75
Technician.....	\$ 29.05	11.75

SCOPE OF WORK:

Installation, testing, service and maintenance of systems utilizing the transmission and/or transference of voice, sound, vision and digital for commercial, educational, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call systems, radio page, school intercom and sound, burglar alarms, fire alarm (see last paragraph below) and low voltage master clock systems in commercial buildings. Communication Systems that transmit or receive information

and/or control systems that are intrinsic to the above listed systems; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding all other data systems or multiple systems which include control function or power supply; excluding installation of raceway systems, conduit systems, line voltage work, and energy management systems. Does not cover work performed at China Lake Naval Ordnance Test Station. Fire alarm work shall be performed at the current inside wireman total cost package.

 ELEC0639-001 01/01/2012

	Rates	Fringes
Electricians		
Wireman/Technician.....	\$ 34.70	17.79

FOOTNOTES:

CABLE SPLICER: 10% additional per hour above Wireman/Technician basic hourly rate.

Work from trusses, swinging scaffolds, open ladders, scaffolds, bosun chairs, stacks or towers, where subject to a direct fall from the ground floor or support structure from a distance of fifty (50) feet to ninety (90) feet: to be paid time and one-half. Work from trusses, swinging scaffolds, open ladders, scaffolds, bosun chairs, stacks or towers, where subject to a direct fall from the ground floor or support structure from a distance over ninety (90) feet: to be paid double the regular straight time rate of pay. Where workers are required to work under compressed air or in areas where injurious gases, dust or fumes are present in amounts necessitating the use of gas masks or self-contained breathing apparatus (particle masks are not considered self-contained breathing apparatus) or where workers work on poles at a distance of seventy-five (75) feet or more from the ground: to be paid a bonus of straight time pay. This shall be at a minimum of one hour, and thereafter, each succeeding hour or fraction thereof shall constitute an hour at the bonus rate. Tunnel work: to be paid at the time and one-quarter hourly rate.

All employers may request workmen to report direct to a job within a free zone to include everything west of ten (10) miles east of Highway 101, as the crow flies, and then (10) miles north and south of Highway 46, as the crow flies, to the junction of Highway 41 and Highway 46. Everything outside of this area shall be paid at full subsistence provide said job is of five (5) days duration or more and provide there is storage on the job for the Employee's tools. The Employer will be responsible for loss of tools under such circumstances. (Road: The most direct route on a surfaced road).

On all jobs or projects outside the free zone, as stated above, Employees may be required to report to the job site in their own transportation at the regular starting time and remain on the job site until the regular quitting time

and these shall be paid at thirty-eight dollars (\$38.00) per day or thirty-eight cents (\$0.38) per mile for each road mile from shop to job and job to shop (round trip). (Day worked shall mean at least four (4) hours on the job unless sent home on account of weather, emergency, sickness, or injury).

 ELEC1245-001 06/01/2011

	Rates	Fringes
LINE CONSTRUCTION		
(1) Lineman; Cable splicer..	\$ 47.87	13.87
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....	\$ 38.23	12.80
(3) Groundman.....	\$ 29.25	12.53
(4) Powderman.....	\$ 42.75	12.97

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and day after Thanksgiving, Christmas Day

 ELEV0008-003 01/01/2012

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 57.29	23.535

FOOTNOTE:

PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.
 PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

 * ENGI0012-003 07/01/2011

	Rates	Fringes
OPERATOR: Power Equipment (All Other Work)		
GROUP 1.....	\$ 36.13	20.77
GROUP 2.....	\$ 36.91	20.77
GROUP 3.....	\$ 37.20	20.77
GROUP 4.....	\$ 38.69	20.77
GROUP 5.....	\$ 40.49	20.77
GROUP 6.....	\$ 38.91	20.77
GROUP 8.....	\$ 39.02	20.77
GROUP 9.....	\$ 40.82	20.77
GROUP 10.....	\$ 39.14	20.77
GROUP 11.....	\$ 40.94	20.77
GROUP 12.....	\$ 39.31	20.77
GROUP 13.....	\$ 39.41	20.77

GROUP 14.....	\$ 39.44	20.77
GROUP 15.....	\$ 39.52	20.77
GROUP 16.....	\$ 39.64	20.77
GROUP 17.....	\$ 39.81	20.77
GROUP 18.....	\$ 39.91	20.77
GROUP 19.....	\$ 40.02	20.77
GROUP 20.....	\$ 40.14	20.77
GROUP 21.....	\$ 40.31	20.77
GROUP 22.....	\$ 40.41	20.77
GROUP 23.....	\$ 40.52	20.77
GROUP 24.....	\$ 40.64	20.77
GROUP 25.....	\$ 40.81	20.77

OPERATOR: Power Equipment
(Cranes, Piledriving &
Hoisting)

GROUP 1.....	\$ 37.48	20.77
GROUP 2.....	\$ 38.26	20.77
GROUP 3.....	\$ 38.55	20.77
GROUP 4.....	\$ 38.69	20.77
GROUP 5.....	\$ 38.91	20.77
GROUP 6.....	\$ 39.02	20.77
GROUP 7.....	\$ 39.14	20.77
GROUP 8.....	\$ 39.31	20.77
GROUP 9.....	\$ 39.48	20.77
GROUP 10.....	\$ 40.48	20.77
GROUP 11.....	\$ 41.48	20.77
GROUP 12.....	\$ 42.48	20.77
GROUP 13.....	\$ 43.48	20.77

OPERATOR: Power Equipment
(Tunnel Work)

GROUP 1.....	\$ 37.98	20.77
GROUP 2.....	\$ 38.76	20.77
GROUP 3.....	\$ 39.05	20.77
GROUP 4.....	\$ 39.19	20.77
GROUP 5.....	\$ 39.41	20.77
GROUP 6.....	\$ 39.52	20.77
GROUP 7.....	\$ 39.64	20.77

PREMIUM PAY:

\$3.75 per hour shall be paid on all Power Equipment Operator work on the following Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton

Workers required to suit up and work in a hazardous material environment: \$2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer operator.

SEE ZONE DEFINITIONS AFTER CLASSIFICATIONS

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bargeman; Brakeman; Compressor operator; Ditch Witch, with seat or similar type equipment; Elevator operator-inside; Engineer Oiler; Forklift operator (includes loed, lull or similar types under 5 tons; Generator operator; Generator, pump or compressor plant

operator; Pump operator; Signalman; Switchman

GROUP 2: Asphalt-rubber plant operator (nurse tank operator); Concrete mixer operator-skip type; Conveyor operator; Fireman; Forklift operator (includes loed, lull or similar types over 5 tons; Hydrostatic pump operator; oiler crusher (asphalt or concrete plant); Petromat laydown machine; PJU side dum jack; Screening and conveyor machine operator (or similar types); Skiploader (wheel type up to 3/4 yd. without attachment); Tar pot fireman; Temporary heating plant operator; Trenching machine oiler

GROUP 3: Asphalt-rubber blend operator; Bobcat or similar type (Skid steer); Equipment greaser (rack); Ford Ferguson (with dragtype attachments); Helicopter radioman (ground); Stationary pipe wrapping and cleaning machine operator

GROUP 4: Asphalt plant fireman; Backhoe operator (mini-max or similar type); Boring machine operator; Boxman or mixerman (asphalt or concrete); Chip spreading machine operator; Concrete cleaning decontamination machine operator; Concrete Pump Operator (small portable); Drilling machine operator, small auger types (Texoma super economatic or similar types - Hughes 100 or 200 or similar types - drilling depth of 30' maximum); Equipment greaser (grease truck); Guard rail post driver operator; Highline cableway signalman; Hydra-hammer-aero stomper; Micro Tunneling (above ground tunnel); Power concrete curing machine operator; Power concrete saw operator; Power-driven jumbo form setter operator; Power sweeper operator; Rock Wheel Saw/Trencher; Roller operator (compacting); Screed operator (asphalt or concrete); Trenching machine operator (up to 6 ft.); Vacuum or much truck

GROUP 5: Equipment Greaser (Grease Truck/Multi Shift).

GROUP 6: Articulating material hauler; Asphalt plant engineer; Batch plant operator; Bit sharpener; Concrete joint machine operator (canal and similar type); Concrete planer operator; Dandy digger; Deck engine operator; Derrickman (oilfield type); Drilling machine operator, bucket or auger types (Calweld 100 bucket or similar types - Watson 1000 auger or similar types - Texoma 330, 500 or 600 auger or similar types - drilling depth of 45' maximum); Drilling machine operator; Hydrographic seeder machine operator (straw, pulp or seed), Jackson track maintainer, or similar type; Kalamazoo Switch tamper, or similar type; Machine tool operator; Maginnis internal full slab vibrator, Mechanical berm, curb or gutter (concrete or asphalt); Mechanical finisher operator (concrete, Clary-Johnson-Bidwell or similar); Micro tunnel system (below ground); Pavement breaker operator (truck mounted); Road oil mixing machine operator; Roller operator (asphalt or finish), rubber-tired earth moving equipment (single engine, up to and including 25 yds. struck); Self-propelled tar pipelining machine operator; Skiploader operator (crawler and wheel type, over 3/4 yd. and up to and including 1-1/2 yds.); Slip form pump operator (power driven hydraulic lifting device for concrete forms); Tractor operator-bulldozer, tamper-scraper (single engine,

up to 100 h.p. flywheel and similar types, up to and including D-5 and similar types); Tugger hoist operator (1 drum); Ultra high pressure waterjet cutting tool system operator; Vacuum blasting machine operator

GROUP 8: Asphalt or concrete spreading operator (tamping or finishing); Asphalt paving machine operator (Barber Greene or similar type); Asphalt-rubber distribution operator; Backhoe operator (up to and including 3/4 yd.), small ford, Case or similar; Cast-in-place pipe laying machine operator; Combination mixer and compressor operator (gunite work); Compactor operator (self-propelled); Concrete mixer operator (paving); Crushing plant operator; Drill Doctor; Drilling machine operator, Bucket or auger types (Calweld 150 bucket or similar types - Watson 1500, 2000 2500 auger or similar types - Texoma 700, 800 auger or similar types - drilling depth of 60' maximum); Elevating grader operator; Grade checker; Gradall operator; Grouting machine operator; Heavy-duty repairman; Heavy equipment robotics operator; Kalamazoo balliste regulator or similar type; Kolman belt loader and similar type; Le Tourneau blob compactor or similar type; Loader operator (Athey, Euclid, Sierra and similar types); Mobark Chipper or similar; Ozzie padder or similar types; P.C. slot saw; Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pumpcrete gun operator; Rock Drill or similar types; Rotary drill operator (excluding caisson type); Rubber-tired earth-moving equipment operator (single engine, caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator (multiple engine up to and including 25 yds. struck); Rubber-tired scraper operator (self-loading paddle wheel type-John Deere, 1040 and similar single unit); Self-propelled curb and gutter machine operator; Shuttle buggy; Skiploader operator (crawler and wheel type over 1-1/2 yds. up to and including 6-1/2 yds.); Soil remediation plant operator; Surface heaters and planer operator; Tractor compressor drill combination operator; Tractor operator (any type larger than D-5 - 100 flywheel h.p. and over, or similar-bulldozer, tamper, scraper and push tractor single engine); Tractor operator (boom attachments), Traveling pipe wrapping, cleaning and bending machine operator; Trenching machine operator (over 6 ft. depth capacity, manufacturer's rating); trenching Machine with Road Miner attachment (over 6 ft depth capacity): Ultra high pressure waterjet cutting tool system mechanic; Water pull (compaction) operator

GROUP 9: Heavy Duty Repairman

GROUP 10: Drilling machine operator, Bucket or auger types (Calweld 200 B bucket or similar types-Watson 3000 or 5000 auger or similar types-Texoma 900 auger or similar types-drilling depth of 105' maximum); Dual drum mixer, dynamic compactor LDC350 (or similar types); Monorail locomotive operator (diesel, gas or electric); Motor patrol-blade operator (single engine); Multiple engine tractor operator (Euclid and similar type-except Quad 9 cat.); Rubber-tired earth-moving equipment operator (single

engine, over 50 yds. struck); Pneumatic pipe ramming tool and similar types; Prestressed wrapping machine operator; Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Rubber tired earth moving equipment operator (multiple engine, Euclid, caterpillar and similar over 25 yds. and up to 50 yds. struck), Tower crane repairman; Tractor loader operator (crawler and wheel type over 6-1/2 yds.); Woods mixer operator (and similar Pugmill equipment)

GROUP 11: Heavy Duty Repairman - Welder Combination, Welder - Certified.

GROUP 12: Auto grader operator; Automatic slip form operator; Drilling machine operator, bucket or auger types (Calweld, auger 200 CA or similar types - Watson, auger 6000 or similar types - Hughes Super Duty, auger 200 or similar types - drilling depth of 175' maximum); Hoe ram or similar with compressor; Mass excavator operator less tha 750 cu. yards; Mechanical finishing machine operator; Mobile form traveler operator; Motor patrol operator (multi-engine); Pipe mobile machine operator; Rubber-tired earth- moving equipment operator (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck); Rubber-tired self- loading scraper operator (paddle-wheel-auger type self-loading - two (2) or more units)

GROUP 13: Rubber-tired earth-moving equipment operator operating equipment with push-pull system (single engine, up to and including 25 yds. struck)

GROUP 14: Canal liner operator; Canal trimmer operator; Remote- control earth-moving equipment operator (operating a second piece of equipment: \$1.00 per hour additional); Wheel excavator operator (over 750 cu. yds.)

GROUP 15: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine-up to and including 25 yds. struck)

GROUP 16: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 17: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 50 cu. yds. struck); Tandem tractor operator (operating crawler type tractors in tandem - Quad 9 and similar type)

GROUP 18: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units -

single engine, up to and including 25 yds. struck)

GROUP 19: Rotex concrete belt operator (or similar types); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, up to and including 25 yds. struck)

GROUP 20: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps, and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 21: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

GROUP 22: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, up to and including 25 yds. struck)

GROUP 23: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating with the tandem push-pull system (multiple engine, up to and including 25 yds. struck)

GROUP 24: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 25: Concrete pump operator-truck mounted; Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

CRANES, PILEDIVING AND HOISTING EQUIPMENT CLASSIFICATIONS

GROUP 1: Engineer oiler; Fork lift operator (includes loed, lull or similar types)

GROUP 2: Truck crane oiler

GROUP 3: A-frame or winch truck operator; Ross carrier operator (jobsite)

GROUP 4: Bridge-type unloader and turntable operator; Helicopter hoist operator

GROUP 5: Hydraulic boom truck; Stinger crane (Austin-Western or similar type); Tugger hoist operator (1 drum)

GROUP 6: Bridge crane operator; Cretor crane operator; Hoist operator (Chicago boom and similar type); Lift mobile operator; Lift slab machine operator (Vagtborg and similar types); Material hoist and/or manlift operator; Polar gantry crane operator; Self Climbing scaffold (or similar type); Shovel, backhoe, dragline, clamshell operator (over 3/4 yd. and up to 5 cu. yds. mrc); Tugger hoist operator

GROUP 7: Pedestal crane operator; Shovel, backhoe, dragline, clamshell operator (over 5 cu. yds. mrc); Tower crane repair; Tugger hoist operator (3 drum)

GROUP 8: Crane operator (up to and including 25 ton capacity); Crawler transporter operator; Derrick barge operator (up to and including 25 ton capacity); Hoist operator, stiff legs, Guy derrick or similar type (up to and including 25 ton capacity); Shovel, backhoe, dragline, clamshell operator (over 7 cu. yds., M.R.C.)

GROUP 9: Crane operator (over 25 tons and up to and including 50 tons mrc); Derrick barge operator (over 25 tons up to and including 50 tons mrc); Highline cableway operator; Hoist operator, stiff legs, Guy derrick or similar type (over 25 tons up to and including 50 tons mrc); K-crane operator; Polar crane operator; Self erecting tower crane operator maximum lifting capacity ten tons

GROUP 10: Crane operator (over 50 tons and up to and including 100 tons mrc); Derrick barge operator (over 50 tons up to and including 100 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 50 tons up to and including 100 tons mrc), Mobile tower crane operator (over 50 tons, up to and including 100 tons M.R.C.); Tower crane operator and tower gantry

GROUP 11: Crane operator (over 100 tons and up to and including 200 tons mrc); Derrick barge operator (over 100 tons up to and including 200 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 100 tons up to and including 200 tons mrc); Mobile tower crane operator (over 100 tons up to and including 200 tons mrc)

GROUP 12: Crane operator (over 200 tons up to and including 300 tons mrc); Derrick barge operator (over 200 tons up to and including 300 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 200 tons, up to and including 300 tons mrc); Mobile tower crane operator (over 200 tons, up to and including 300 tons mrc)

GROUP 13: Crane operator (over 300 tons); Derrick barge operator (over 300 tons); Helicopter pilot; Hoist operator, stiff legs, Guy derrick or similar type (over 300 tons); Mobile tower crane operator (over 300 tons)

TUNNEL CLASSIFICATIONS

GROUP 1: Skiploader (wheel type up to 3/4 yd. without attachment)

GROUP 2: Power-driven jumbo form setter operator

GROUP 3: Dinkey locomotive or motorperson (up to and including 10 tons)

GROUP 4: Bit sharpener; Equipment greaser (grease truck); Slip form pump operator (power-driven hydraulic lifting device for concrete forms); Tugger hoist operator (1 drum); Tunnel locomotive operator (over 10 and up to and including 30 tons)

GROUP 5: Backhoe operator (up to and including 3/4 yd.); Small Ford, Case or similar; Drill doctor; Grouting machine operator; Heading shield operator; Heavy-duty repairperson; Loader operator (Athey, Euclid, Sierra and similar types); Mucking machine operator (1/4 yd., rubber-tired, rail or track type); Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pneumatic heading shield (tunnel); Pumpcrete gun operator; Tractor compressor drill combination operator; Tugger hoist operator (2 drum); Tunnel locomotive operator (over 30 tons)

GROUP 6: Heavy Duty Repairman

GROUP 7: Tunnel mole boring machine operator

ENGINEERS ZONES

\$1.00 additional per hour for all of IMPERIAL County and the portions of KERN, RIVERSIDE & SAN BERNARDINO Counties as defined below:

That area within the following Boundary: Begin in San Bernardino County, approximately 3 miles NE of the intersection of I-15 and the California State line at that point which is the NW corner of Section 1, T17N,m R14E, San Bernardino Meridian. Continue W in a straight line to that point which is the SW corner of the northwest quarter of Section 6, T27S, R42E, Mt. Diablo Meridian. Continue North to the intersection with the Inyo County Boundary at that point which is the NE corner of the western half of the northern quarter of Section 6, T25S, R42E, MDM. Continue W along the Inyo and San Bernardino County boundary until the intersection with Kern County, as that point which is the SE corner of Section 34, T24S, R40E, MDM. Continue W along the Inyo and Kern County boundary until the intersection with Tulare County, at that point which is the SW corner of the SE quarter of Section 32, T24S, R37E, MDM. Continue W along the Kern and Tulare County boundary, until that point which is the NW corner of T25S, R32E, MDM. Continue S following R32E lines to the NW corner of

T31S, R32E, MDM. Continue W to the NW corner of T31S, R31E, MDM. Continue S to the SW corner of T32S, R31E, MDM. Continue W to SW corner of SE quarter of Section 34, T32S, R30E, MDM. Continue S to SW corner of T11N, R17W, SBM. Continue E along south boundary of T11N, SBM to SW corner of T11N, R7W, SBM. Continue S to SW corner of T9N, R7W, SBM. Continue E along south boundary of T9N, SBM to SW corner of T9N, R1E, SBM. Continue S along west boundary of R1E, SMB to Riverside County line at the SW corner of T1S, R1E, SBM. Continue E along south boundary of T1S, SBM (Riverside County Line) to SW corner of T1S, R10E, SBM. Continue S along west boundary of R10E, SBM to Imperial County line at the SW corner of T8S, R10E, SBM. Continue W along Imperial and Riverside county line to NW corner of T9S, R9E, SBM. Continue S along the boundary between Imperial and San Diego Counties, along the west edge of R9E, SBM to the south boundary of Imperial County/California state line. Follow the California state line west to Arizona state line, then north to Nevada state line, then continuing NW back to start at the point which is the NW corner of Section 1, T17N, R14E, SBM

\$1.00 additional per hour for portions of SAN LUIS OBISPO, KERN, SANTA BARBARA & VENTURA as defined below:

That area within the following Boundary: Begin approximately 5 miles north of the community of Cholame, on the Monterey County and San Luis Obispo County boundary at the NW corner of T25S, R16E, Mt. Diablo Meridian. Continue south along the west side of R16E to the SW corner of T30S, R16E, MDM. Continue E to SW corner of T30S, R17E, MDM. Continue S to SW corner of T31S, R17E, MDM. Continue E to SW corner of T31S, R18E, MDM. Continue S along West side of R18E, MDM as it crosses into San Bernardino Meridian numbering area and becomes R30W. Follow the west side of R30W, SBM to the SW corner of T9N, R30W, SBM. Continue E along the south edge of T9N, SBM to the Santa Barbara County and Ventura County boundary at that point which is the SW corner of Section 34. T9N, R24W, SBM, continue S along the Ventura County line to that point which is the SW corner of the SE quarter of Section 32, T7N, R24W, SBM. Continue E along the south edge of T7N, SBM to the SE corner to T7N, R21W, SBM. Continue N along East side of R21W, SBM to Ventura County and Kern County boundary at the NE corner of T8N, R21W. Continue W along the Ventura County and Kern County boundary to the SE corner of T9N, R21W. Continue North along the East edge of R21W, SBM to the NE corner of T12N, R21W, SBM. Continue West along the north edge of T12N, SBM to the SE corner of T32S, R21E, MDM. [T12N SBM is a think strip between T11N SBM and T32S MDM]. Continue North along the East side of R21E, MDM to the Kings County and Kern County border at the NE corner of T25S, R21E, MDM, continue West along the Kings County and Kern County Boundary until the intersection of San Luis Obispo County. Continue west along the Kings County and San Luis Obispo County boundary until the intersection with Monterey County. Continue West along the Monterey County and San Luis Obispo County boundary to the beginning point at the NW corner of T25S, R16E, MDM.

\$2.00 additional per hour for INYO and MONO Counties and the Northern portion of SAN BERNARDINO County as defined below:

That area within the following Boundary: Begin at the intersection of the northern boundary of Mono County and the California state line at the point which is the center of Section 17, T10N, R22E, Mt. Diablo Meridian. Continue S then SE along the entire western boundary of Mono County, until it reaches Inyo County at the point which is the NE corner of the Western half of the NW quarter of Section 2, T8S, R29E, MDM. Continue SSE along the entire western boundary of Inyo County, until the intersection with Kern County at the point which is the SW corner of the SE 1/4 of Section 32, T24S, R37E, MDM. Continue E along the Inyo and Kern County boundary until the intersection with San Bernardino County at that point which is the SE corner of section 34, T24S, R40E, MDM. Continue E along the Inyo and San Bernardino County boundary until the point which is the NE corner of the Western half of the NW quarter of Section 6, T25S, R42E, MDM. Continue S to that point which is the SW corner of the NW quarter of Section 6, T27S, R42E, MDM. Continue E in a straight line to the California and Nevada

state border at the point which is the NW corner of Section 1, T17N, R14E, San Bernardino Meridian. Then continue NW along the state line to the starting point, which is the center of Section 18, T10N, R22E, MDM.

REMAINING AREA NOT DEFINED ABOVE RECIEVES BASE RATE

 ENGI0012-004 08/01/2009

	Rates	Fringes
OPERATOR: Power Equipment		
(DREDGING)		
(1) Leverman.....	\$ 44.83	17.22
(2) Dredge dozer.....	\$ 40.36	17.22
(3) Deckmate.....	\$ 40.25	17.22
(4) Winch operator (stern winch on dredge).....	\$ 39.70	17.22
(5) Fireman-Oiler, Deckhand, Bargeman, Leveehand.....	\$ 39.16	17.22
(6) Barge Mate.....	\$ 39.77	17.22

 IRON0002-004 07/01/2011

	Rates	Fringes
Ironworkers:		
Fence Erector.....	\$ 26.58	15.76
Ornamental, Reinforcing and Structural.....	\$ 33.00	24.40

PREMIUM PAY:

\$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland, Edwards AFB, Fort Irwin Military Station, Fort Irwin Training

Center-Goldstone, San Clemente Island, San Nicholas Island,
 Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine
 Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

\$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base,
 Naval Post Graduate School - Monterey, Yermo Marine Corps
 Logistics Center

\$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

 LABO0300-001 07/01/2011

	Rates	Fringes
Brick Tender.....	\$ 27.17	16.71

 LABO0300-003 07/01/2011

	Rates	Fringes
LABORER (GUNITE)		
GROUP 1.....	\$ 30.04	14.20
GROUP 2.....	\$ 29.09	14.20
GROUP 3.....	\$ 25.55	14.20
LABORER (TUNNEL)		
GROUP 1.....	\$ 32.20	15.98
GROUP 2.....	\$ 32.52	15.98
GROUP 3.....	\$ 32.98	15.98
GROUP 4.....	\$ 33.67	15.98
LABORER		
GROUP 1.....	\$ 26.33	16.00
GROUP 2.....	\$ 26.88	16.00
GROUP 3.....	\$ 27.43	16.00
GROUP 4.....	\$ 28.98	16.00
GROUP 5.....	\$ 29.33	16.00

FOOTNOTE: GUNITE PREMIUM PAY: Workers working from a
 Bosn'n's Chair or suspended from a rope or cable shall
 receive 40 cents per hour above the foregoing applicable
 classification rates. Workers doing gunite and/or
 shotcrete work in a tunnel shall receive 35 cents per hour
 above the foregoing applicable classification rates, paid
 on a portal-to-portal basis. Any work performed on, in or
 above any smoke stack, silo, storage elevator or similar
 type of structure, when such structure is in excess of
 75'-0" above base level and which work must be performed in
 whole or in part more than 75'-0" above base level, that
 work performed above the 75'-0" level shall be compensated
 for at 35 cents per hour above the applicable
 classification wage rate.

LABORER CLASSIFICATIONS

GROUP 1: Cleaning and handling of panel forms; Concrete
 screeding for rough strike-off; Concrete, water curing;

Demolition laborer, the cleaning of brick if performed by a worker performing any other phase of demolition work, and the cleaning of lumber; Fire watcher, limber, brush loader, piler and debris handler; Flag person; Gas, oil and/or water pipeline laborer; Laborer, asphalt-rubber material loader; Laborer, general or construction; Laborer, general clean-up; Laborer, landscaping; Laborer, jetting; Laborer, temporary water and air lines; Material hose operator (walls, slabs, floors and decks); Plugging, filling of shee bolt holes; Dry packing of concrete; Railroad maintenance, repair track person and road beds; Streetcar and railroad construction track laborers; Rigging and signaling; Scaler; Slip form raiser; Tar and mortar; Tool crib or tool house laborer; Traffic control by any method; Window cleaner; Wire mesh pulling - all concrete pouring operations

GROUP 2: Asphalt shoveler; Cement dumper (on 1 yd. or larger mixer and handling bulk cement); Cesspool digger and installer; Chucktender; Chute handler, pouring concrete, the handling of the chute from readymix trucks, such as walls, slabs, decks, floors, foundation, footings, curbs, gutters and sidewalks; Concrete curer, impervious membrane and form oiler; Cutting torch operator (demolition); Fine grader, highways and street paving, airport, runways and similar type heavy construction; Gas, oil and/or water pipeline wrapper - pot tender and form person; Guinea chaser; Headerboard person - asphalt; Laborer, packing rod steel and pans; Membrane vapor barrier installer; Power broom sweeper (small); Riprap stonepaver, placing stone or wet sacked concrete; Roto scraper and tiller; Sandblaster (pot tender); Septic tank digger and installer(lead); Tank scaler and cleaner; Tree climber, faller, chain saw operator, Pittsburgh chipper and similar type brush shredder; Underground laborer, including caisson bellower

GROUP 3: Buggymobile person; Concrete cutting torch; Concrete pile cutter; Driller, jackhammer, 2-1/2 ft. drill steel or longer; Dri-pak-it machine; Gas, oil and/or water pipeline wrapper, 6-in. pipe and over, by any method, inside and out; High scaler (including drilling of same); Hydro seeder and similar type; Impact wrench multi-plate; Kettle person, pot person and workers applying asphalt, lay-kold, creosote, lime caustic and similar type materials ("applying" means applying, dipping, brushing or handling of such materials for pipe wrapping and waterproofing); Operator of pneumatic, gas, electric tools, vibrating machine, pavement breaker, air blasting, come-alongs, and similar mechanical tools not separately classified herein; Pipelayer's backup person, coating, grouting, making of joints, sealing, caulking, diapering and including rubber gasket joints, pointing and any and all other services; Rock slinger; Rotary scarifier or multiple head concrete chipping scarifier; Steel headerboard and guideline setter; Tamper, Barko, Wacker and similar type; Trenching machine, hand-propelled

GROUP 4: Asphalt raker, lute person, ironer, asphalt dump person, and asphalt spreader boxes (all types); Concrete core cutter (walls, floors or ceilings), grinder or sander; Concrete saw person, cutting walls or flat work, scoring

old or new concrete; Cribber, shorer, lagging, sheeting and trench bracing, hand-guided lagging hammer; Head rock slinger; Laborer, asphalt- rubber distributor boot person; Laser beam in connection with laborers' work; Oversize concrete vibrator operator, 70 lbs. and over; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit and any other stationary type of tubular device used for the conveying of any substance or element, whether water, sewage, solid gas, air, or other product whatsoever and without regard to the nature of material from which the tubular material is fabricated; No-joint pipe and stripping of same; Prefabricated manhole installer; Sandblaster (nozzle person), water blasting, Porta Shot-Blast

GROUP 5: Blaster powder, all work of loading holes, placing and blasting of all powder and explosives of whatever type, regardless of method used for such loading and placing; Driller: All power drills, excluding jackhammer, whether core, diamond, wagon, track, multiple unit, and any and all other types of mechanical drills without regard to the form of motive power; Toxic waste removal

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Batch plant laborer; Bull gang mucker, track person; Changehouse person; Concrete crew, including rodder and spreader; Dump person; Dump person (outside); Swamper (brake person and switch person on tunnel work); Tunnel materials handling person

GROUP 2: Chucktender, cabetender; Loading and unloading agitator cars; Nipper; Pot tender, using mastic or other materials (for example, but not by way of limitation, shotcrete, etc.); Vibrator person, jack hammer, pneumatic tools (except driller)

GROUP 3: Blaster, driller, powder person; Chemical grout jet person; Cherry picker person; Grout gun person; Grout mixer person; Grout pump person; Jackleg miner; Jumbo person; Kemper and other pneumatic concrete placer operator; Miner, tunnel (hand or machine); Nozzle person; Operating of troweling and/or grouting machines; Powder person (primer house); Primer person; Sandblaster; Shotcrete person; Steel form raiser and setter; Timber person, retimber person, wood or steel; Tunnel Concrete finisher

GROUP 4: Diamond driller; Sandblaster; Shaft and raise work

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Rodmen, Nozzlemen

GROUP 2: Gunmen

GROUP 3: Reboundmen

LABO0300-005 08/05/2009

	Rates	Fringes
LABORER		
PLASTER CLEAN-UP LABORER....	\$ 26.65	15.95
PLASTER TENDER.....	\$ 29.20	15.95

LABO0882-002 01/01/2010

	Rates	Fringes
Asbestos Removal Laborer.....	\$ 26.15	11.65

SCOPE OF WORK: Includes site mobilization, initial site cleanup, site preparation, removal of asbestos-containing material and toxic waste, encapsulation, enclosure and disposal of asbestos- containing materials and toxic waste by hand or with equipment or machinery; scaffolding, fabrication of temporary wooden barriers and assembly of decontamination stations.

LABO1184-001 07/01/2011

	Rates	Fringes
Laborers: (HORIZONTAL DIRECTIONAL DRILLING)		
(1) Drilling Crew Laborer...	\$ 28.01	11.48
(2) Vehicle Operator/Hauler.	\$ 28.18	11.48
(3) Horizontal Directional Drill Operator.....	\$ 30.03	11.48
(4) Electronic Tracking Locator.....	\$ 32.03	11.48
Laborers: (STRIPING/SLURRY SEAL)		
GROUP 1.....	\$ 28.50	14.56
GROUP 2.....	\$ 29.80	14.56
GROUP 3.....	\$ 31.81	14.56
GROUP 4.....	\$ 33.55	14.56

LABORERS - STRIPING CLASSIFICATIONS

GROUP 1: Protective coating, pavement sealing, including repair and filling of cracks by any method on any surface in parking lots, game courts and playgrounds; carstops; operation of all related machinery and equipment; equipment repair technician

GROUP 2: Traffic surface abrasive blaster; pot tender - removal of all traffic lines and markings by any method (sandblasting, waterblasting, grinding, etc.) and preparation of surface for coatings. Traffic control person: controlling and directing traffic through both conventional and moving lane closures; operation of all related machinery and equipment

GROUP 3: Traffic delineating device applicator: Layout and application of pavement markers, delineating signs, rumble and traffic bars, adhesives, guide markers, other traffic

delineating devices including traffic control. This category includes all traffic related surface preparation (sandblasting, waterblasting, grinding) as part of the application process. Traffic protective delineating system installer: removes, relocates, installs, permanently affixed roadside and parking delineation barricades, fencing, cable anchor, guard rail, reference signs, monument markers; operation of all related machinery and equipment; power broom sweeper

GROUP 4: Striper: layout and application of traffic stripes and markings; hot thermo plastic; tape traffic stripes and markings, including traffic control; operation of all related machinery and equipment

 PAIN0036-007 01/01/2012

	Rates	Fringes
Painters:		
(1) Repaint Including Lead Abatement.....	\$ 23.10	10.35
(2) High Iron & Steel.....	\$ 29.39	10.35
(3) Journeyman Painter including Lead Abatement....	\$ 27.39	10.35
(4) Industrial.....	\$ 29.32	10.35
(5) All other work.....	\$ 27.39	10.35

REPAINT of any previously painted structure. Exceptions: work involving the aerospace industry, breweries, commercial recreational facilities, hotels which operate commercial establishments as part of hotel service, and sports facilities.

HIGH IRON & STEEL:

Aerial towers, towers, radio towers, smoke stacks, flag poles (any flag poles that can be finished from the ground with a ladder excluded), elevated water towers, steeples and domes in their entirety and any other extremely high and hazardous work, cooning steel, bos'n chair, or other similar devices, painting in other high hazardous work shall be classified as high iron & steel

 PAIN0036-008 10/05/2011

	Rates	Fringes
DRYWALL FINISHER/TAPER.....	\$ 33.22	13.81

 PAIN0169-002 01/01/2012

	Rates	Fringes
GLAZIER.....	\$ 32.23	17.60

 PAIN1247-002 05/01/2012

	Rates	Fringes
SOFT FLOOR LAYER.....	\$ 30.85	10.54

PLAS0200-001 08/01/2011

	Rates	Fringes
PLASTERER.....	\$ 35.29	12.05

PLAS0500-002 10/01/2011

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER....	\$ 35.38	14.72

PLUM0016-001 07/01/2011

	Rates	Fringes
PLUMBER/PIPEFITTER		
Plumber and Pipefitter		
All other work except		
work on new additions and		
remodeling of bars,		
restaurant, stores and		
commercial buildings not		
to exceed 5,000 sq. ft.		
of floor space and work		
on strip malls, light		
commercial, tenant		
improvement and remodel		
work.....	\$ 39.50	19.35
Work ONLY on new additions		
and remodeling of bars,		
restaurant, stores and		
commercial buildings not		
to exceed 5,000 sq. ft. of		
floor space.....	\$ 38.30	18.37
Work ONLY on strip malls,		
light commercial, tenant		
improvement and remodel		
work.....	\$ 30.79	16.70

PLUM0345-001 07/01/2011

	Rates	Fringes
PLUMBER		
Landscape/Irrigation Fitter..	\$ 27.35	16.34
Sewer & Storm Drain Work....	\$ 26.82	18.18

ROOF0036-002 08/01/2011

	Rates	Fringes
ROOFER.....	\$ 34.65	10.71

FOOTNOTE: Pitch premium: Work on which employees are exposed to pitch fumes or required to handle pitch, pitch base or pitch impregnated products, or any material containing coal tar pitch, the entire roofing crew shall receive \$1.75 per hour "pitch premium" pay.

SFCA0669-007 04/01/2012

	Rates	Fringes
SPRINKLER FITTER.....	\$ 32.33	19.40

SHEE0273-002 02/01/2012

	Rates	Fringes
SHEET METAL WORKER.....	\$ 40.50	19.42

HOLIDAYS: New Year's Day, Martin Luther King Day, President's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day & Friday after, Christmas Day

TEAM0011-002 07/01/2011

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 26.79	20.84
GROUP 2.....	\$ 26.94	20.84
GROUP 3.....	\$ 27.07	20.84
GROUP 4.....	\$ 27.26	20.84
GROUP 5.....	\$ 27.29	20.84
GROUP 6.....	\$ 27.32	20.84
GROUP 7.....	\$ 27.57	20.84
GROUP 8.....	\$ 27.82	20.84
GROUP 9.....	\$ 28.02	20.84
GROUP 10.....	\$ 28.32	20.84
GROUP 11.....	\$ 28.82	20.84
GROUP 12.....	\$ 29.25	20.84

WORK ON ALL MILITARY BASES:

PREMIUM PAY: \$3.00 per hour additional.

[29 palms Marine Base, Camp Roberts, China Lake, Edwards AFB, El Centro Naval Facility, Fort Irwin, Marine Corps Logistics Base at Nebo & Yermo, Mountain Warfare Training Center, Bridgeport, Point Arguello, Point Conception, Vandenberg AFB]

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Truck driver

GROUP 2: Driver of vehicle or combination of vehicles - 2 axles; Traffic control pilot car excluding moving heavy equipment permit load; Truck mounted broom

GROUP 3: Driver of vehicle or combination of vehicles - 3 axles; Boot person; Cement mason distribution truck; Fuel truck driver; Water truck - 2 axle; Dump truck, less than 16 yds. water level; Erosion control driver

GROUP 4: Driver of transit mix truck, under 3 yds.; Dumpcrete

truck, less than 6-1/2 yds. water level

GROUP 5: Water truck, 3 or more axles; Truck greaser and tire person (\$0.50 additional for tire person); Pipeline and utility working truck driver, including winch truck and plastic fusion, limited to pipeline and utility work; Slurry truck driver

GROUP 6: Transit mix truck, 3 yds. or more; Dumpcrete truck, 6-1/2 yds. water level and over; Vehicle or combination of vehicles - 4 or more axles; Oil spreader truck; Dump truck, 16 yds. to 25 yds. water level

GROUP 7: A Frame, Swedish crane or similar; Forklift driver; Ross carrier driver

GROUP 8: Dump truck, 25 yds. to 49 yds. water level; Truck repair person; Water pull - single engine; Welder

GROUP 9: Truck repair person/welder; Low bed driver, 9 axles or over

GROUP 10: Dump truck - 50 yds. or more water level; Water pull - single engine with attachment

GROUP 11: Water pull - twin engine; Water pull - twin engine with attachments; Winch truck driver - \$1.25 additional when operating winch or similar special attachments

GROUP 12: Boom Truck 17K and above

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The

first four letters , PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable , i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rate.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.

Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION



AREA C KEY PLAN
1"=125'

- NOTES:
1. FOR SS ALIGNMENT SEE SHEETS C-PP-102 THROUGH C-PP-157.
 2. FOR REW ALIGNMENT SEE SHEETS C-PP-360 THROUGH C-PP-385.
 3. FOR FM ALIGNMENT SEE SHEETS C-PP-402 THROUGH C-PP-413.

TO BRODERSTON EFFLUENT DISPOSAL SITE SEE SHEET C-PP-378 FOR CONTINUATION

			PROJECT NO. 42502-83120 FILE NAME: C-G-006A SHEET NO. C-G-006A
LOS OSOS WASTEWATER COLLECTION SYSTEM GENERAL AREA C KEY PLAN 2			
DESIGNED BY: KS DRAWN BY: WKT CHECKED BY: RLA DATE: APRIL 2012	TO LOS OSOS MIDDLE SCHOOL AND BAYWOOD ELEMENTARY SCHOOL SEE AREA D DWGS FM FROM WEST PASO PS SEE AREA D DWGS REW SEE AREA B DWGS, TO SOUTH BAY COMMUNITY CENTER FM SEE AREA B DWGS, TO PALISADES PS MIDTOWN PS RAVENNA AVE. LOS OSOS VALLEY RD. C-PP-118 C-PP-372 C-PP-121 C-PP-373 C-PP-122 C-PP-123 C-PP-119 C-PP-376 C-PP-124 C-PP-125 C-PP-120 C-PP-115 C-PP-109 C-PP-110 C-PP-111 C-PP-112 C-PP-113 C-PP-114 C-PP-116 C-PP-108 C-PP-117 C-PP-107 C-PP-126 C-PP-127 C-PP-128 C-PP-102 C-PP-371 C-PP-402 C-PP-103 C-PP-370 C-PP-403 C-PP-130 C-PP-131 C-PP-132 C-PP-133 C-PP-135 C-PP-381 C-PP-382 C-PP-383 C-PP-384 C-PP-385 C-PP-377 C-PP-378 C-PP-379 C-PP-401 C-PP-404	SEE SHT. C-G-006 SEE SHT. C-G-006B MATCHLINE	
TO BRODERSTON EFFLUENT DISPOSAL SITE SEE SHEET C-PP-378 FOR CONTINUATION	TO SUNNYSIDE ELEMENTARY SCHOOL TO LOS OSOS MIDDLE SCHOOL AND BAYWOOD ELEMENTARY SCHOOL SEE AREA D DWGS FM FROM WEST PASO PS SEE AREA D DWGS REW SEE AREA B DWGS, TO SOUTH BAY COMMUNITY CENTER FM SEE AREA B DWGS, TO PALISADES PS	0 1/2 1 IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY	CDM Smith 2295 Gateway Oaks Drive, Suite 240 Sacramento, CA 95833 Tel: (916) 987-9900
REV. NO. DATE DRAWN CHKO	REV. NO. DATE DRAWN CHKO	REV. NO. DATE DRAWN CHKO	REV. NO. DATE DRAWN CHKO

1. THE CONTRACTOR SHALL HAVE COPIES OF THE APPROVED PLANS FOR THIS PROJECT ON THE SITE AT ALL TIMES AND SHALL BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS.

2. STANDARD SPECIFICATIONS — ALL CONSTRUCTION WORK AND INSTALLATIONS SHALL CONFORM TO THESE CONSTRUCTION DOCUMENTS AND THE COUNTY OF SAN LUIS OBISPO STANDARD PLANS AND SPECIFICATIONS, CURRENT EDITION, AND ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY.

3. UTILITY NOTIFICATION — PRIOR TO BEGINNING ANY EARTHWORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL AGENCIES INVOLVED AND SHALL LOCATE ALL FACILITIES PRIOR TO EXCAVATION IN ANY AREA. THE CONTRACTOR SHALL CALL DIG ALERT (USA), TOLL FREE AT 1-800-642-2444 AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

4. EXISTING UTILITIES — THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES WHERE SHOWN ON THE PLANS ARE BASED ON AVAILABLE RECORDS, AND ARE APPROXIMATE ONLY. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR LOCATING OR HAVING LOCATED ALL UNDERGROUND UTILITIES AND OTHER FACILITIES AND FOR PROTECTING THE SAME DURING THE COURSE OF CONSTRUCTING THE PROJECT. ANY DEVIATIONS FROM THE PLAN LOCATION OF ANY EXISTING FACILITIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE COUNTY INSPECTOR.

5. SITE CONDITIONS — THE CONTRACTOR SHALL CONTINUALLY REVIEW JOB SITE CONDITIONS, CONDITIONS REQUIRING CONSTRUCTION DIFFERENT FROM THAT SHOWN ON THE PLANS SHALL BE REPORTED TO THE COUNTY INSPECTOR PRIOR TO PROCEEDING WITH THE AFFECTED CONSTRUCTION.

6. CONTRACTORS RECORD OF CHANGES — THE CONTRACTOR SHALL MAINTAIN A CURRENT, COMPLETE, AND ACCURATE RECORD OF ALL CHANGES WHICH DEVIATE FROM THE CONSTRUCTION AS SHOWN ON THESE PLANS AND SPECIFICATIONS FOR THE PURPOSE OF PROVIDING THE ENGINEER OF RECORD WITH A BASIS FOR THE PREPARATION OF RECORD DRAWINGS.

7. RECORD DRAWINGS — THE CONTRACTOR SHALL MAINTAIN A SET OF MARKED UP AS-BID DRAWINGS SHOWING ACTUAL INSTALLED AND FIELD CONDITIONS.

8. MANHOLE ENTRY SHALL BE IN COMPLIANCE WITH THE CONFINED SPACE ENTRY REQUIREMENTS OF CAL-OSHA, AND THE COUNTY OF SAN LUIS OBISPO.

9. EXISTING UTILITIES IN THE PROJECT AREA INCLUDING ACP WATER MAINS MAY BE IN A FRAGILE CONDITION. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING NEAR EXISTING UTILITIES.

10. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE ALL TRAFFIC SIGNAL LOOPS, CABLES, AND CONDUITS IN THE VICINITY OF THE WORK. TRAFFIC SIGNALS SHALL BE MAINTAINED IN OPERATION DURING CONSTRUCTION AT ALL TIMES. CONTRACTOR SHALL PROTECT EXISTING TRAFFIC SIGNAL LOOPS AND FACILITIES. DAMAGED FACILITIES SHALL BE RESTORED IN ACCORDANCE WITH THE SPECIFICATIONS.

11. PLAN ELEVATIONS OR DEPTHS FOR EXISTING UNDERGROUND UTILITIES ARE BASED ON RECORD DRAWINGS AND SURVEY INFORMATION AND ARE APPROXIMATE ONLY. WHERE NO ELEVATIONS ARE SHOWN, NO SUCH INFORMATION WAS AVAILABLE DURING DESIGN AND CONTRACTOR SHALL EXPOSE THESE UTILITIES FOR FIELD VERIFICATION PRIOR TO CONSTRUCTION.

12. UTILITY SERVICES AND THEIR LOCATION ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO LOCATE AND PROTECT SERVICES DURING CONSTRUCTION. NO INTERRUPTION OF UTILITY SERVICES SHALL BE ALLOWED.

13. DIMENSIONS FOR ALL OTHER EXISTING STRUCTURES, REFERENCING PIPING, PAVING, AND OTHER NON-STRUCTURAL ITEMS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS.

14. FOR ALL STANDARD MANHOLES THE COORDINATE LOCATIONS REPRESENT THE CENTERLINE OF THE MANHOLE BASE UNLESS INDICATED OTHERWISE ON THESE DRAWINGS. MANHOLES LOCATED AT THE INTERSECTIONS MAY BE ADJUSTED SUBJECT TO FIELD VERIFICATION BY THE CONTRACTOR. LOCATIONS OF MANHOLES THAT ARE NOT AT PIPELINE INTERSECTIONS MAY BE ADJUSTED SUBJECT TO APPROVAL BY THE ENGINEER.

15. CONTRACTOR SHALL OBTAIN A PERMIT FROM THE COUNTY OR APPROPRIATE WATER COMPANY FOR THE USE OF CONSTRUCTION WATER. THE PERMIT SHALL BE APPROVED BY THE CALFIRE/COUNTY'S FIRE DEPARTMENT.

16. DISCREPANCIES BETWEEN COORDINATES, BEARINGS AND LENGTHS, AND STATIONING SHALL BE RESOLVED IN THE FOLLOWING ORDER OF PRECEDENCE:
1. COORDINATES
2. BEARINGS AND LENGTHS
3. STATIONING — STATIONING IS BASED ON CONSTRUCTION BASELINE.

17. IN ALL LOCATIONS WHERE TRENCH PLATE IS USED ON THIS PROJECT THE CONTRACTOR SHALL SUPPLY SKID RESISTANT COATING ON THE TRENCH PLATE AND COLD MIX A.C. AT THE EDGES. TRENCH PLATES SHALL BE NOTCHED INTO AC PAVING, WEDGED, AND SHIMMED TO PREVENT SLIPPAGE AND ROCKING UNDER TRAFFIC.

18. MECHANICAL CONSTRUCTION EQUIPMENT USED ON THIS PROJECT SHALL BE SELECTED TO MINIMIZE DAMAGE TO THE EXISTING PAVEMENT ALONG THE PROJECT SITE. THE CONTRACTOR SHALL REPLACE DAMAGED AC PAVEMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AT NO ADDITIONAL COST TO THE COUNTY.

19. SANITARY SEWER INSTALLATION MAY REQUIRE CURB, GUTTER AND SIDEWALK, AND CONCRETE V-DITCH/VALLEY GUTTER REMOVAL AND REPLACEMENT. THE CONTRACTOR SHALL INCLUDE ALL COSTS IN THE APPROPRIATE BID ITEM(S).

20. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL SURPLUS EXCAVATION MATERIAL AND DEBRIS PROMPTLY FROM THE SITE AND SHALL MAINTAIN THE SITE IN A NEAT AND ORDERLY CONDITION. CONTRACTOR SHALL OBTAIN ALL NECESSARY FILL AND GRADING PERMITS.

21. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, COUNTY, AND DISTRICT LAWS AND ORDINANCES RELATING TO THE SAFETY AND CHARACTER OF WORK EQUIPMENT AND LABOR PERSONNEL. THIS SHALL INCLUDE BUT IS NOT LIMITED TO THE SHORING OF TRENCHES, VENTILATORS OF CONFINED SPACES, CONFORMANCE TO TRAFFIC CONTROL REQUIREMENTS, INCLUDING THE PROVISION AND MAINTENANCE OF BARRICADES AND THE PREPARATION AND IMPLEMENTATION OF TRAFFIC CONTROL PLANS AS REQUIRED.

22. PIPE LENGTHS ARE THROUGH MANHOLE AS INDICATED. STATIONING IS ALONG THE CONSTRUCTION BASELINE.

23. THE CONTRACTOR SHALL ABIDE BY ALL PROJECT PERMITS OBTAINED BY THE COUNTY. SEE SPECIFICATIONS SECTION 01060.

24. THE CONTRACTOR SHALL OBTAIN CONSTRUCTION PERMITS FROM REGULATORY, UTILITY, AND ANY OTHER AGENCIES REQUIRING PERMITTING FOR THIS CONSTRUCTION WORK. THE CONTRACTOR SHALL PROVIDE A WRITTEN SIGNED RELEASE FROM EACH AGENCY UPON COMPLETION OF CONSTRUCTION.

25. ALL DEWATERING WATER SHALL BE DISCHARGED IN ACCORDANCE WITH RWQCB, AND COUNTY OF SAN LUIS OBISPO PERMIT REQUIREMENTS INCLUDING DESILTING, AND ONLY TO APPROVED DISCHARGE LOCATIONS. DEWATERING WELLS SHALL BE ABANDONED ACCORDING TO RWQCB, AND COUNTY OF SAN LUIS OBISPO REQUIREMENTS.

26. CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING STORM DRAIN FACILITIES AT ALL TIMES.

27. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PAVEMENT AT ALL TIMES.

28. CONTRACTOR SHALL BACKFILL TRENCH TO GRADE AND/OR TRAFFIC PLATE AT THE END OF EACH DAY.

29. CONTRACTOR SHALL MAINTAIN EXISTING SANITARY SEWER SERVICE AT ALL TIMES. PROVIDE BYPASS PUMPING FACILITIES INCLUDING STANDBY PUMPS AND GENERATORS. EXISTING SEPTIC TANK SYSTEMS SHALL BE MAINTAINED UNTIL THE NEW SANITARY SEWER SYSTEM IS READY FOR LATERAL CONNECTIONS TO BE MADE.

30. PROVIDE K-RAIL AND CHAINLINK FENCING AROUND ALL TUNNEL ACCESS PITS. K-RAIL AND FENCE SHALL CONFORM TO THE STANDARD PLANS AND SPECIFICATIONS. PROVIDE BARRICADES WITH FLASHING LIGHTS AT EACH PIT LOCATION.

31. CONTRACTOR SHALL IDENTIFY EXISTING SURVEY MONUMENTS THAT WILL BE IMPACTED BY CONSTRUCTION. CONTRACTOR SHALL REESTABLISH MONUMENTS WITH RECORD OF SURVEY.

32. AERIAL PHOTOS USED TO PREPARE SURFACE FEATURES SHOWN ON PLANS WERE TAKEN IN 1995 AND MAY NOT ACCURATELY DEPICT EXISTING CONDITIONS. CONTRACTOR SHALL FIELD VERIFY CONDITIONS PRIOR TO CONSTRUCTION AND INCLUDE COSTS IN HIS BID THEREFOR.

33. ALL SEWERS SHALL STRICTLY CONFORM TO THE LINES AND GRADES SHOWN ON THE DRAWINGS.

34. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHILE WORKING AROUND GAS, FIBER OPTIC AND ELECTRIC UTILITIES.

35. CONTRACTOR SHALL MONITOR GROUND SURFACE AND UNDERGROUND UTILITIES FOR THE PRESENCE OF TUNNEL SLURRY OR EVIDENCE OF HYDROFRACTURE AT ALL TIMES DURING TUNNEL ACTIVITIES ALONG ENTIRE TUNNELED ALIGNMENT.

36. LOW OVERHEAD ELECTRICAL AND TELEPHONE LINES ARE PRESENT IN THE PROJECT AREA. MAJORITY OF LINES ONLY PROVIDE 8 TO 10 FEET OF CLEARANCE FROM GROUND SURFACE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHILE WORKING AROUND OVERHEAD UTILITIES.

37. BORE AND RECEIVING PITS SIZING SHALL BE DETERMINED BY CONTRACTOR AND SHALL BE SOLID SHEETED WITH CONTINUOUSLY INTERLOCKED SHEET PILES.

38. CONTRACTOR SHALL MAINTAIN TRAFFIC AND ACCESS PER THE TRAFFIC CONTROL REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THE COUNTY OF SAN LUIS OBISPO.

39. PROPERTY LINES SHOWN ARE APPROXIMATE.

40. STREET RESTORATION SHALL INCLUDE REPLACEMENT OF CONCRETE VEE-DITCH/VALLEY GUTTER WHEN REMOVED FOR OR DAMAGED BY CONSTRUCTION.

41. THESE DESIGN DRAWINGS AND RESPECTIVE SPECIFICATIONS HAVE BEEN DEVELOPED BASED ON THE BASIS OF DESIGN REPORT DATED OCTOBER 24, 2011, AND ACCEPTED/APPROVED BY THE SAN LUIS OBISPO COUNTY DEPARTMENT OF PUBLIC WORKS ON NOVEMBER 15, 2011.

42. REFERENCE MADE TO SHEETS THAT BEGIN WITH PREFIXES PS-, A-, OR D- ARE NIC. REFERENCES ARE MADE FOR INFORMATION ONLY.

43. ELECTRICAL CONDUIT AND MANHOLES ALONG PIPE LINE GENERAL NOTES:
1. REFER TO SPECIFICATION 18000 - FIBER OPTIC AND POWER CONDUITS ALONG PIPELINES.
2. REFER TO ELECTRICAL DRAWINGS FOR CONDUIT QUANTITY AND SIZES.
3. REFER TO ELECTRICAL DRAWINGS FOR MANHOLE SIZES.
4. REFER TO ELECTRICAL DRAWINGS FOR CONDUIT TERMINATION LOCATION AT POCKET PUMP STATIONS, SUBMERSIBLE PUMPS STATIONS, STANDBY POWER BUILDINGS, ELECTRICAL EQUIPMENT AREAS, AND OTHER PANELS.

DESIGNED BY: BJC
DRAWN BY: JAW
CHECKED BY: RLA
DATE: APRIL 2012

REMARKS

REV. NO. DATE DRWN CHKD

6/07/12 LLB RLA ADDENDUM

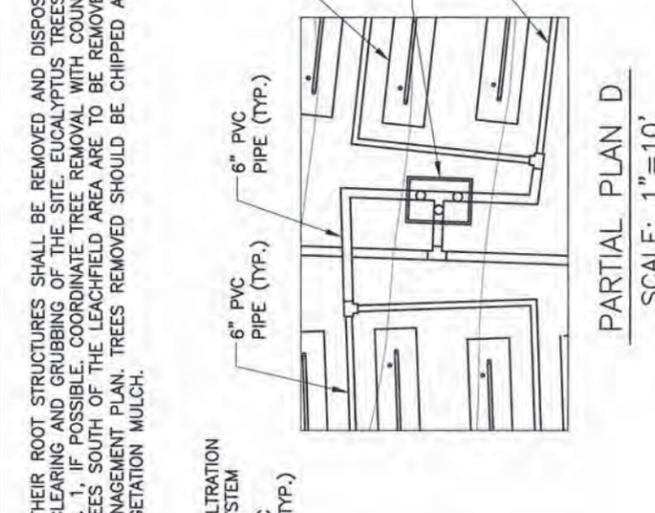
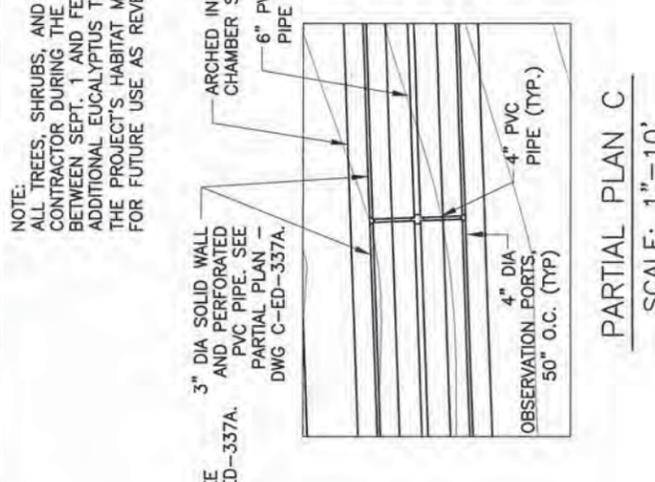
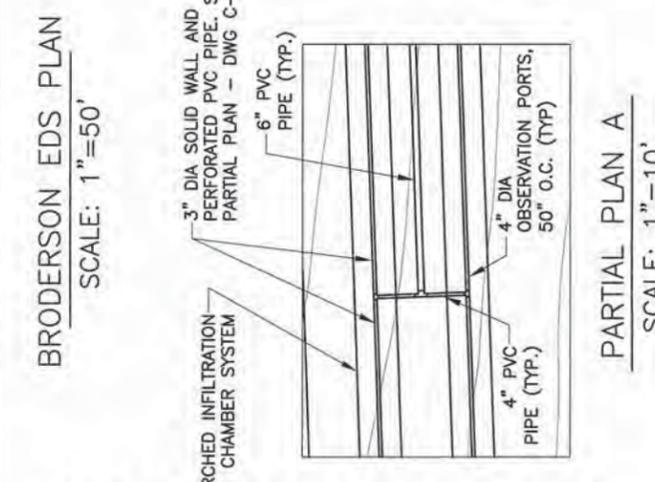
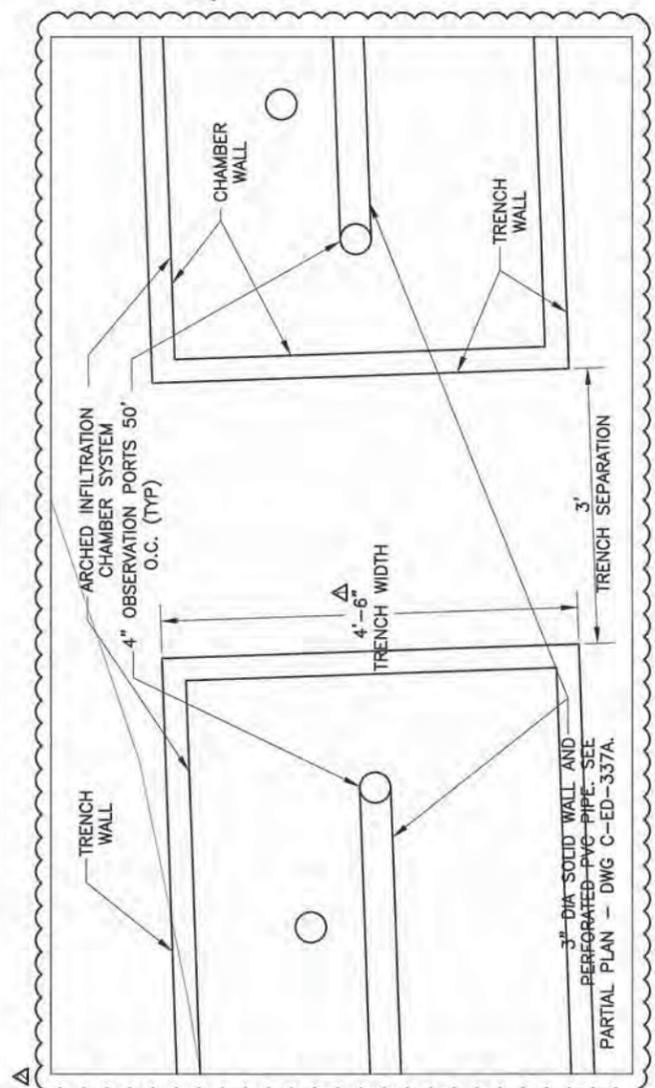
CDM Smith
2008 Gateway Oaks Drive, Suite 240
Sacramento, CA 95833
Tel: (916) 597-9900

STATE OF CALIFORNIA
L. M. BROWN
GOVERNOR
6/7/12
STATE OF CALIFORNIA

DIGIARTI
DIAL TOLL FREE
1-800-662-7444
AT LEAST TWO DAYS
BEFORE USE
IMPROVED STAKE LIFT IF NEARBY DURING

LOS OSOS WASTEWATER COLLECTION SYSTEM
GENERAL NOTES

PROJECT NO. 42502-83120
FILE NAME: C-G-010
SHEET NO.
C-G-010



NOTE:
ALL TREES, SHRUBS, AND THEIR ROOT STRUCTURES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR DURING THE CLEARING AND GRUBBING OF THE SITE. EUCALYPTUS TREES TO BE REMOVED BETWEEN SEPT. 1 AND FEB. 1, IF POSSIBLE. COORDINATE TREE REMOVAL WITH COUNTY BIOLOGIST AS ADDITIONAL EUCALYPTUS TREES SOUTH OF THE LEACHFIELD AREA ARE TO BE REMOVED AS INDICATED IN THE PROJECT'S HABITAT MANAGEMENT PLAN. TREES REMOVED SHOULD BE CHIPPED AND STORED ON SITE FOR FUTURE USE AS REVEGETATION MULCH.

			PROJECT NO. 42502-83120 FILE NAME: C-ED-330 SHEET NO. C-ED-330
DESIGNED BY: RLA DRAWN BY: MAR CHECKED BY: RLA DATE: APRIL 2012		LOS OSOS WASTEWATER COLLECTION SYSTEM EFFLUENT DISPOSAL SYSTEM BRODERSON EDS PLANS	
REMARKS REV. DATE DRWN CHKD 6/07/12 LLB RLA 5/24/12 LLB RLA ADDENDUM #2		CDM Smith 2205 Gateway Oaks Drive, Suite 240 Sacramento, CA 95833 Tel: (916) 587-9900	