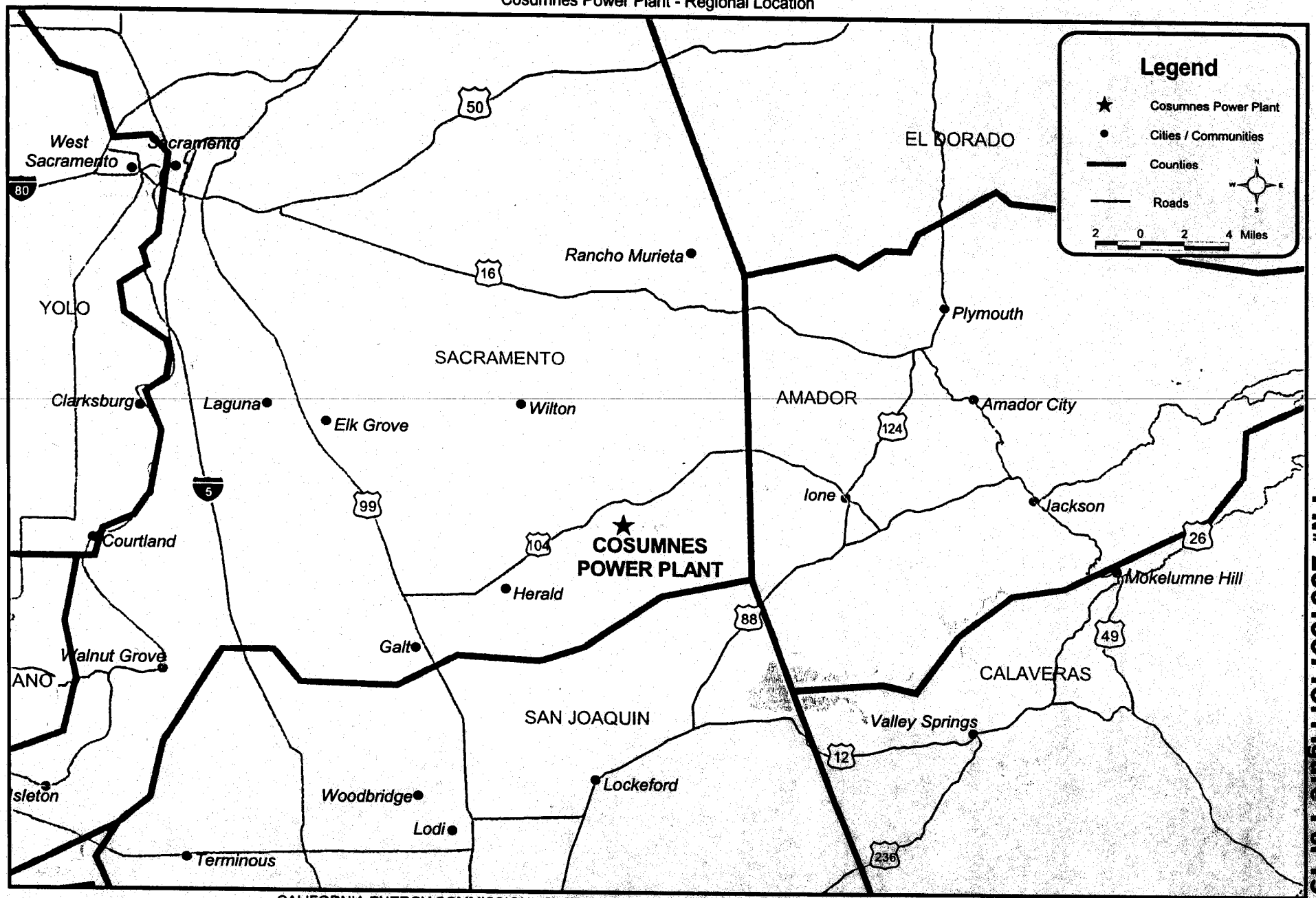
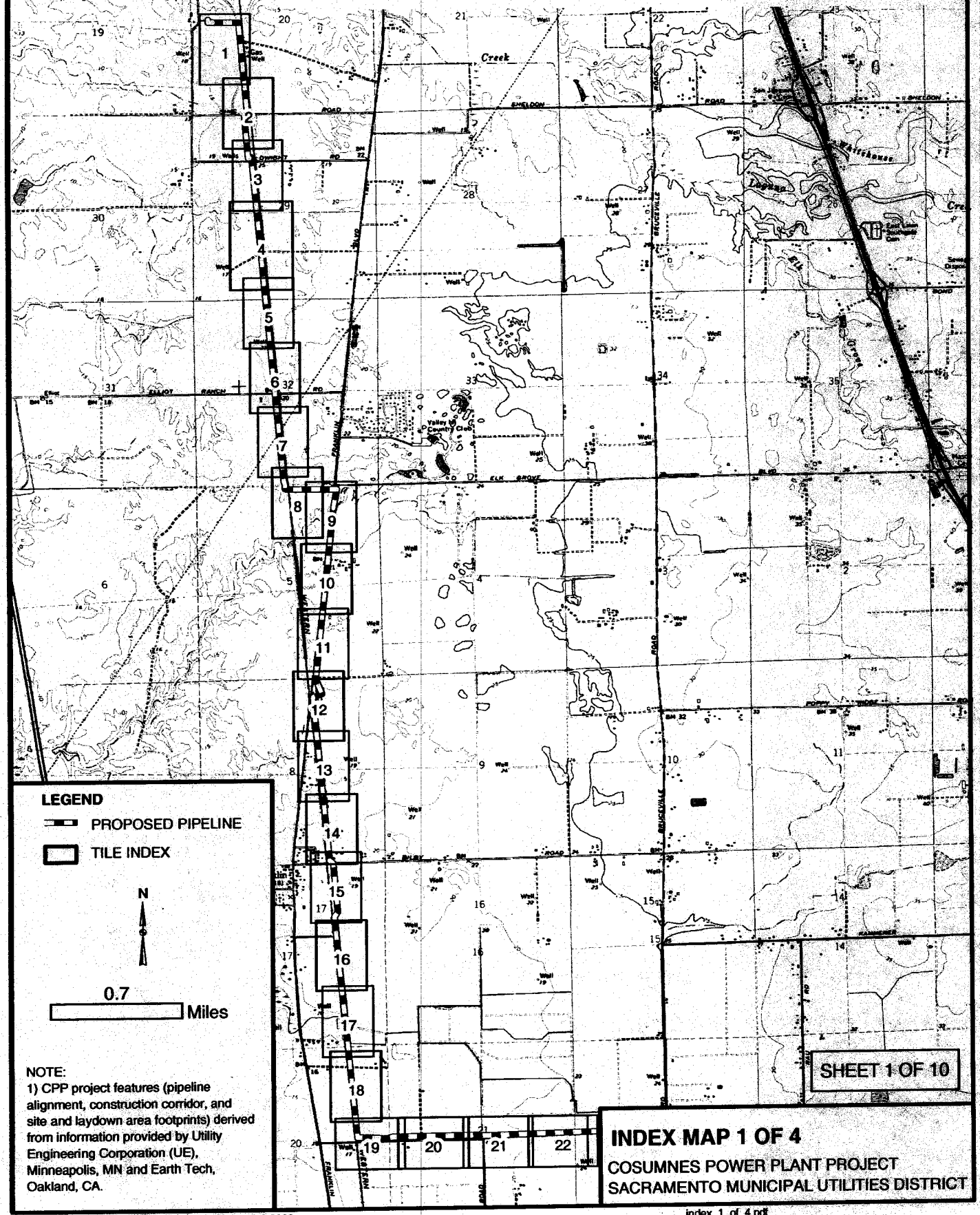
PROJECT DESCRIPTION - Figure 1
Cosumnes Power Plant - Regional Location



CALIFORNIA ENERGY COMMISSION, SYSTEMS ASSESSMENT & FACILITIES SITING DIVISION, FEBRUARY 2003
SOURCE: California Energy Commission Statewide Transmission & Power Plant Maps 2001, 1990 TIGER files

COSUMNES POWER PLANT

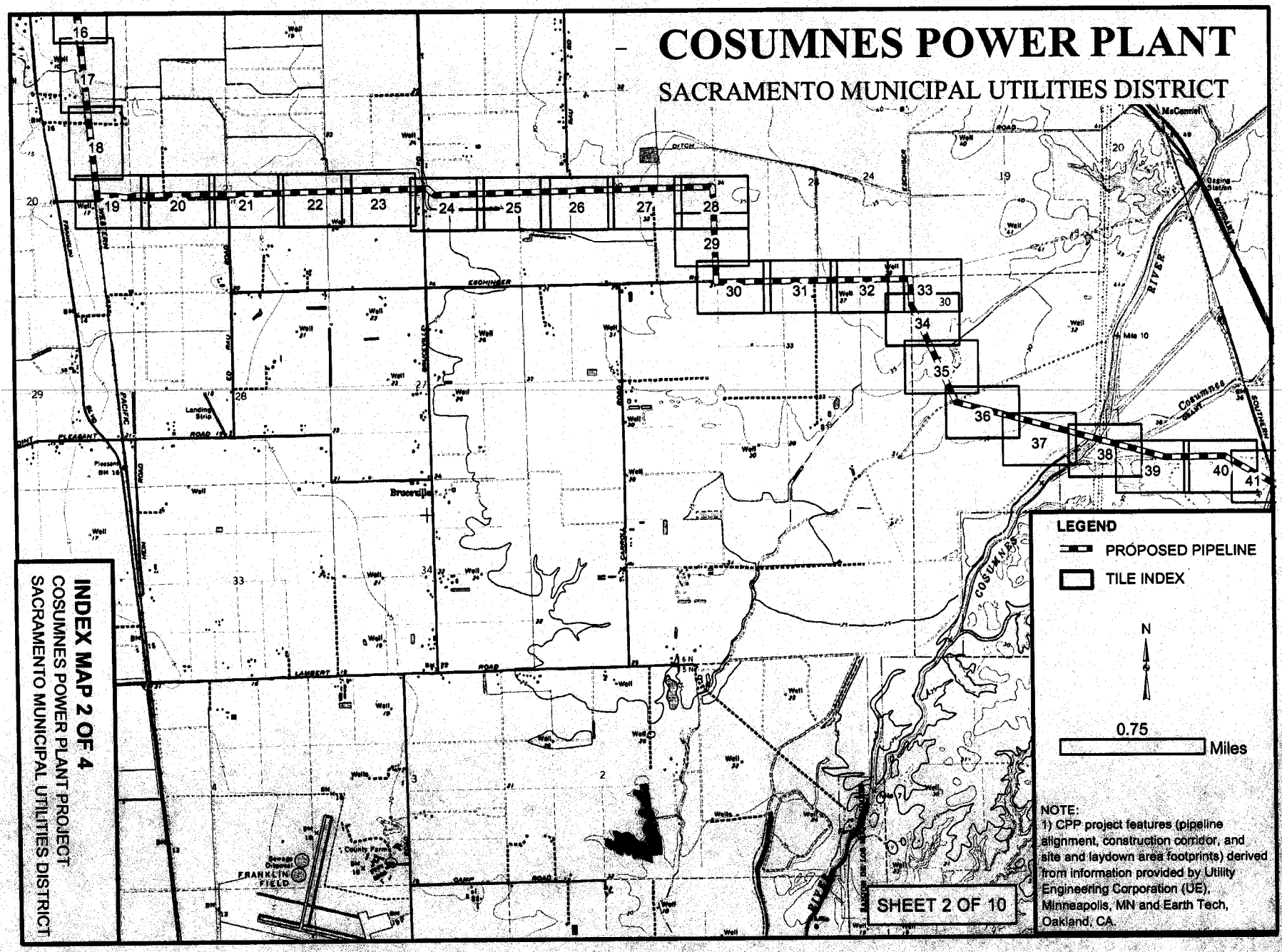
SACRAMENTO MUNICIPAL UTILITIES DISTRICT



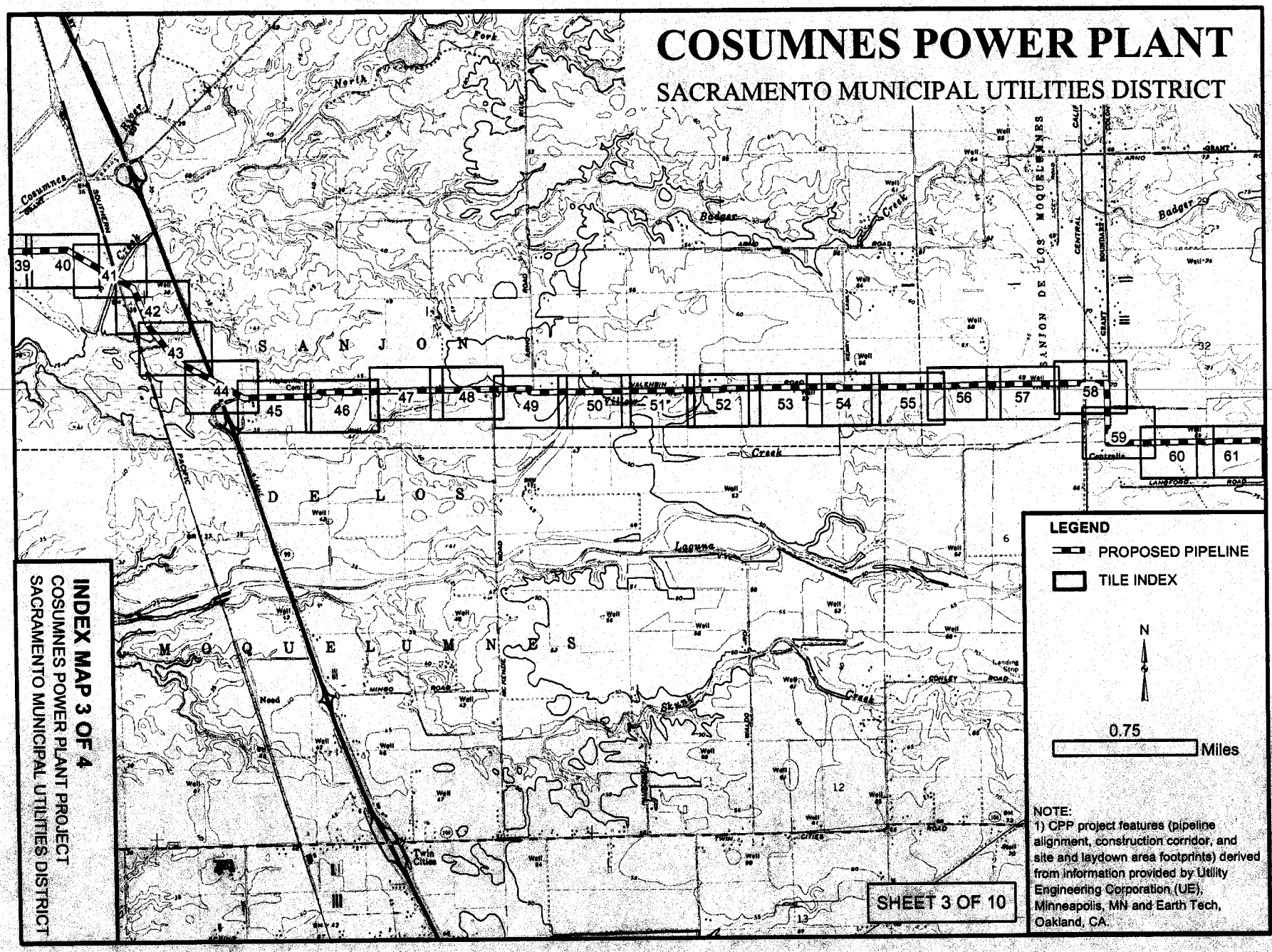
NOTE:
1) CPP project features (pipeline alignment, construction corridor, and site and laydown area footprints) derived from information provided by Utility Engineering Corporation (UE), Minneapolis, MN and Earth Tech, Oakland, CA.

INDEX MAP 1 OF 4

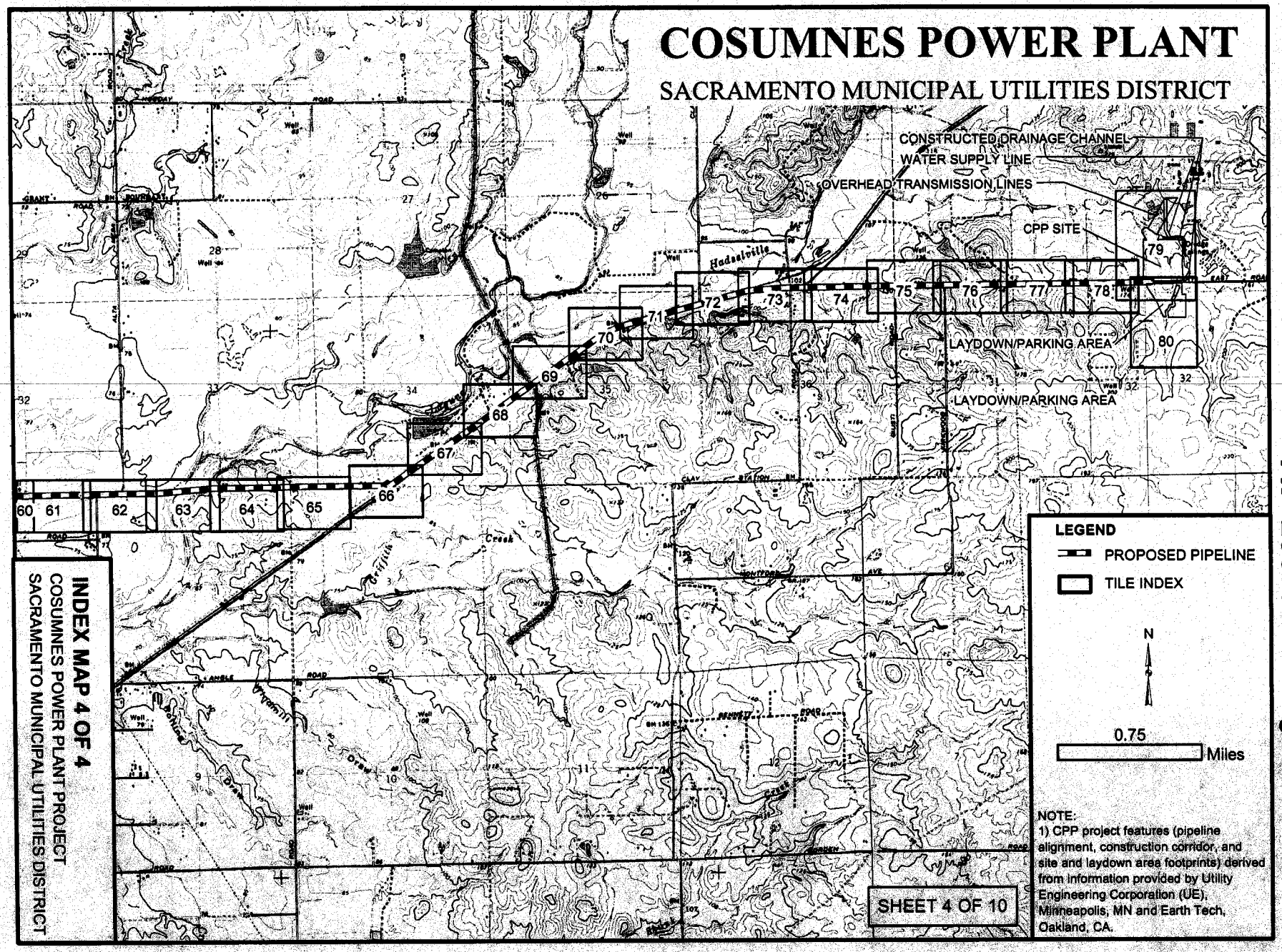
COSUMNES POWER PLANT PROJECT
SACRAMENTO MUNICIPAL UTILITIES DISTRICT



PN# 20010071O: Figure 3 of 19

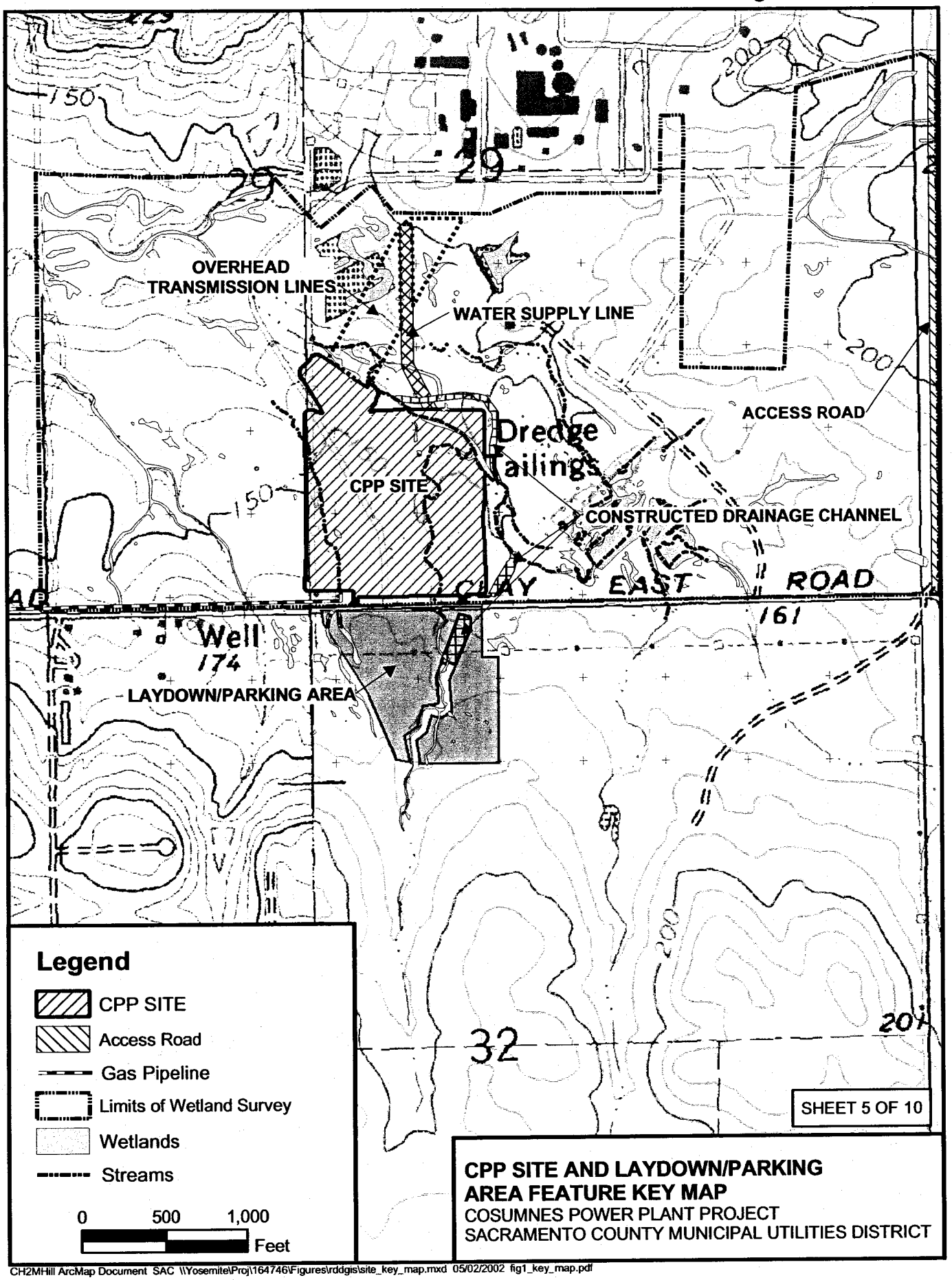


PN# 20010071O: Figure 4 of 19



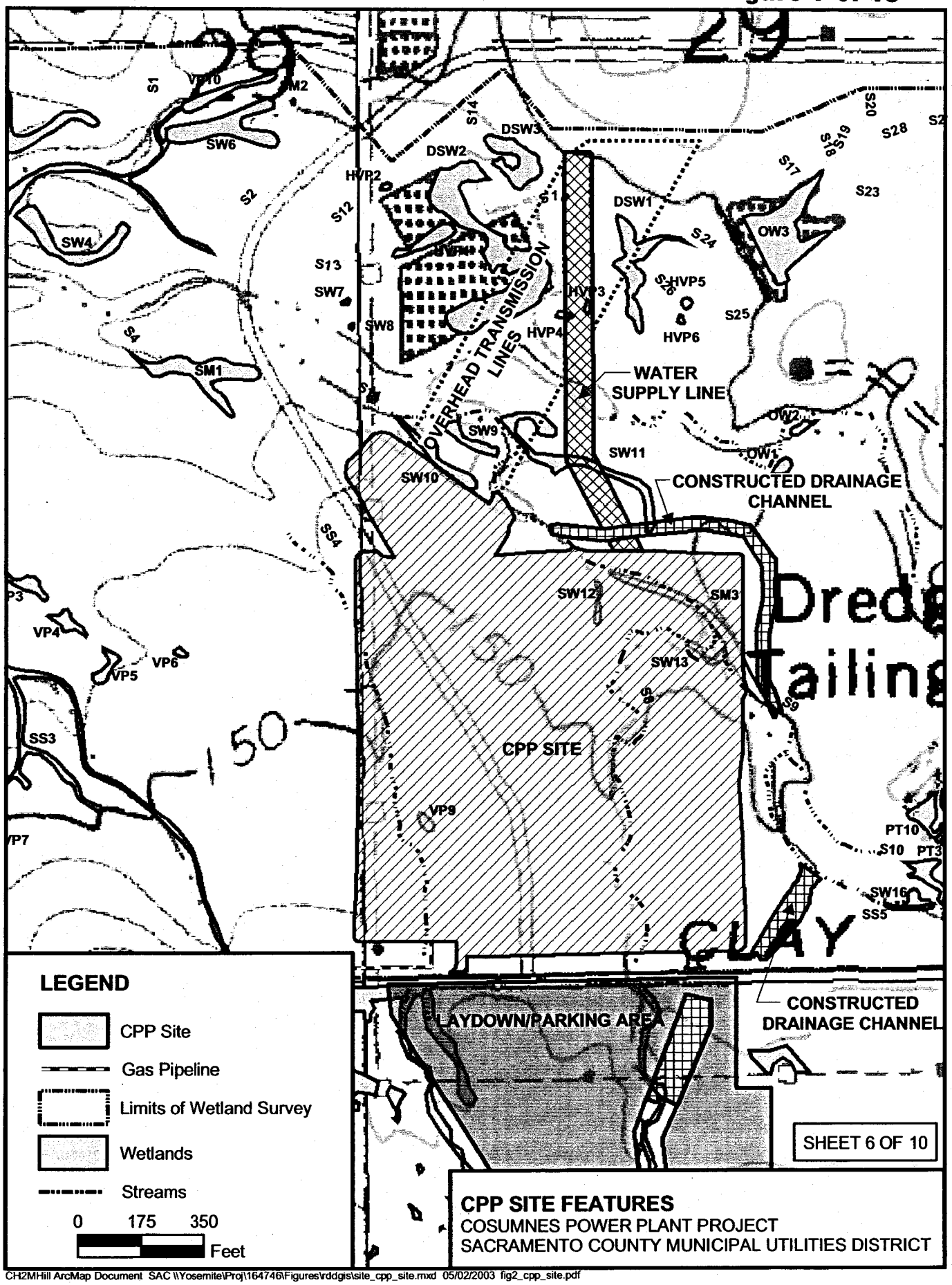
INDEX MAP 4 OF 4
COSUMNES POWER PLANT PROJECT
SACRAMENTO MUNICIPAL UTILITIES DISTRICT

PN# 20010071O: Figure 5 of 19



CPP SITE AND LAYDOWN/PARKING AREA FEATURE KEY MAP
COSUMNES POWER PLANT PROJECT
SACRAMENTO COUNTY MUNICIPAL UTILITIES DISTRICT

CH2MHill ArcMap Document SAC \\Yosemite\Proj\164746\Figures\rddgis\site_key_map.mxd 05/02/2002 fig1_key_map.pdf



CPP SITE FEATURES
COSUMNES POWER PLANT PROJECT
SACRAMENTO COUNTY MUNICIPAL UTILITIES DISTRICT

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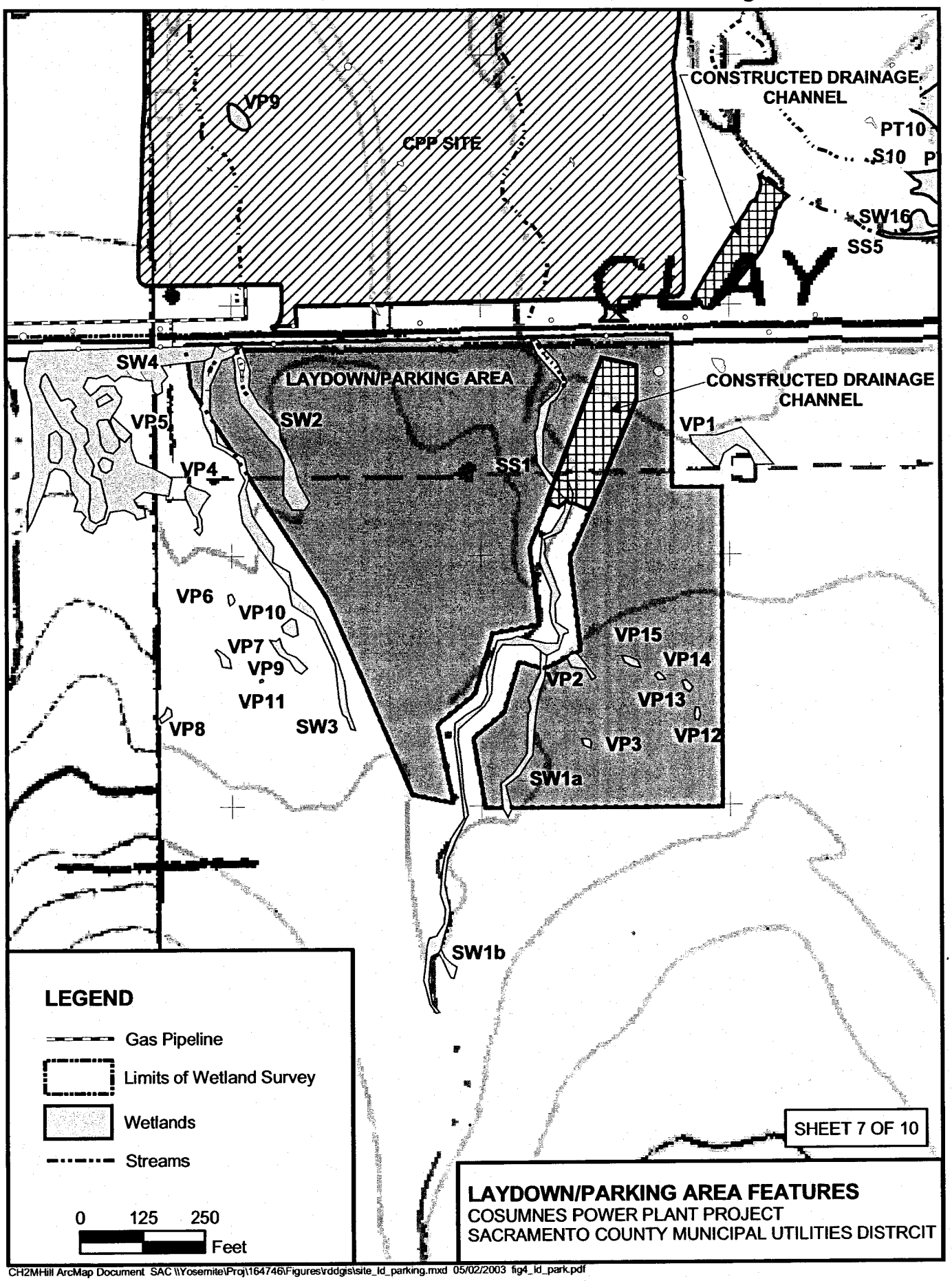

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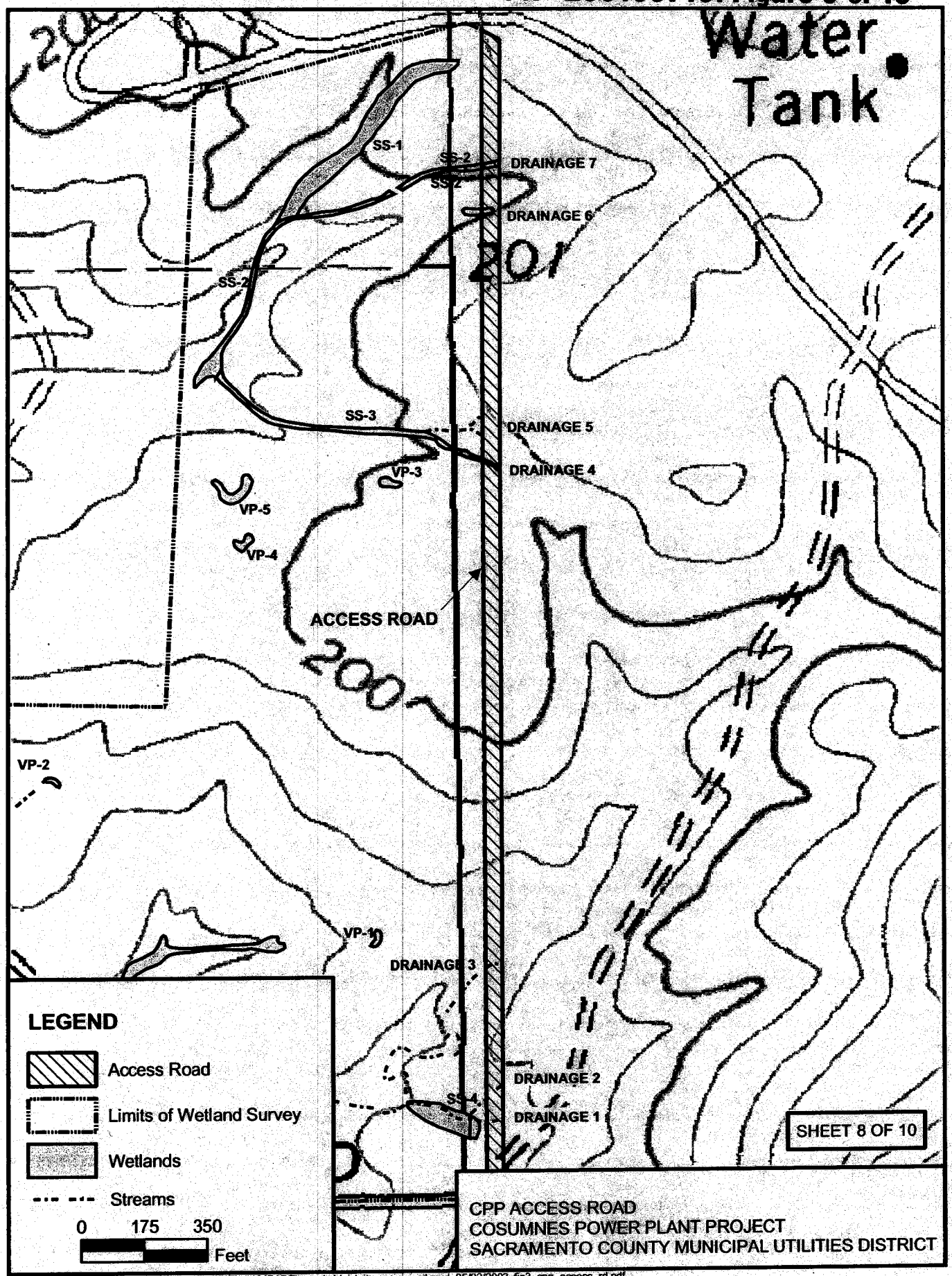

CPP ACCESS ROAD
COSUMNES POWER PLANT PROJECT
SACRAMENTO COUNTY MUNICIPAL UTILITIES DISTRICT

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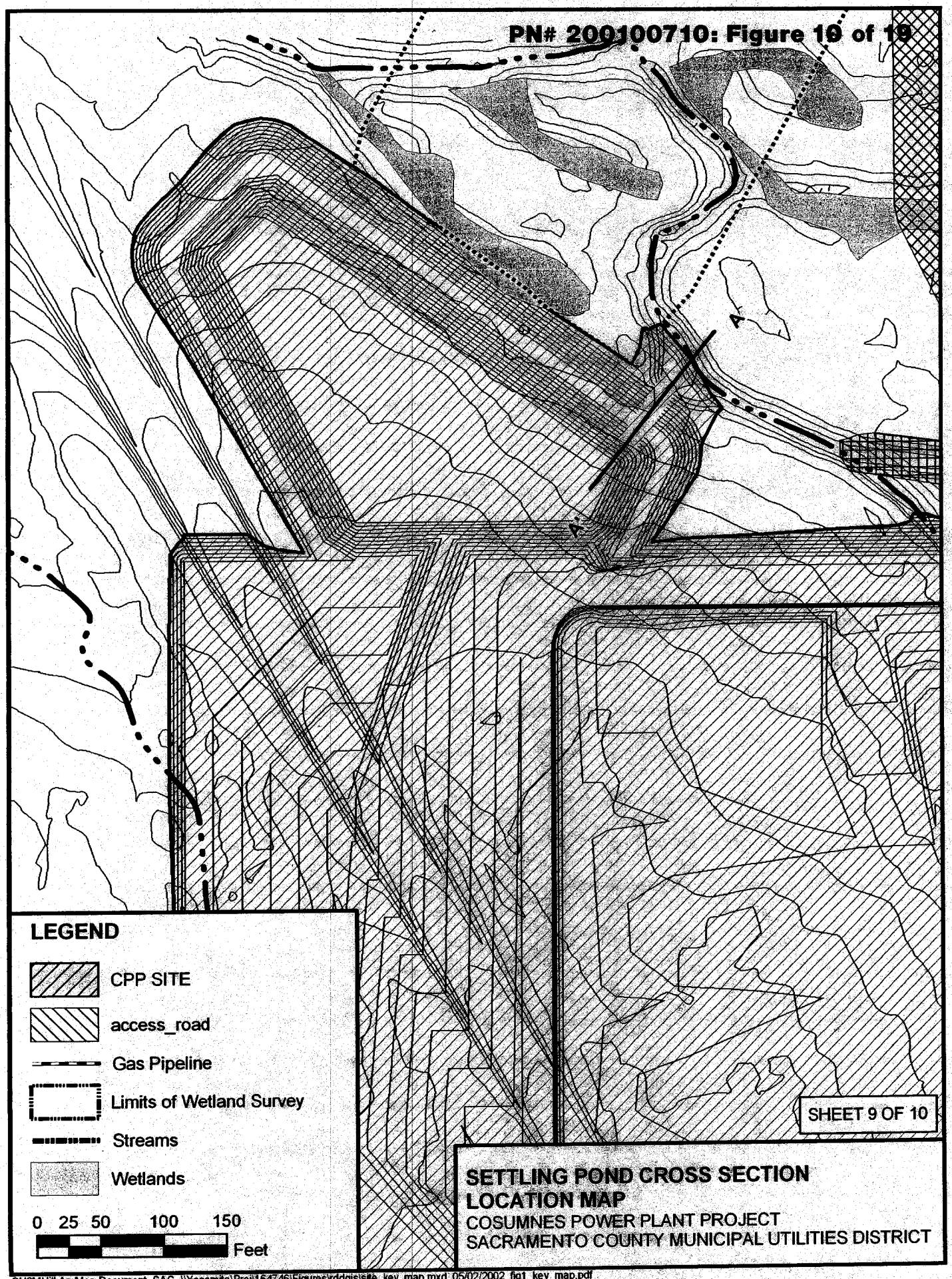
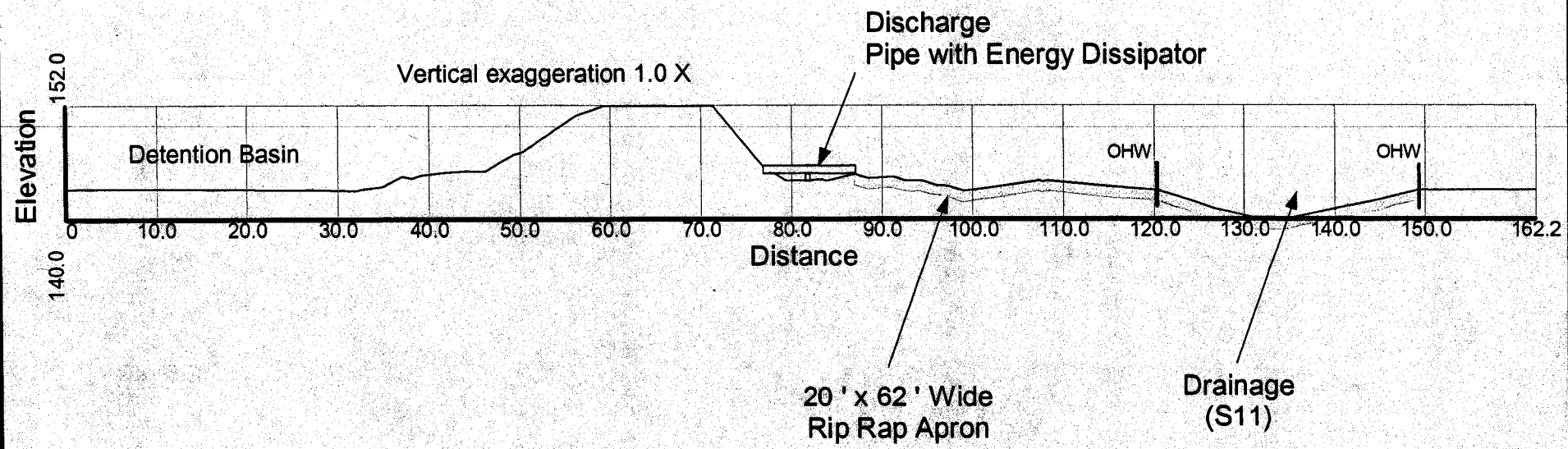


SETTLING POND CROSS SECTION LOCATION MAP
COSUMNES POWER PLANT PROJECT
SACRAMENTO COUNTY MUNICIPAL UTILITIES DISTRICT

Profile of A' - A

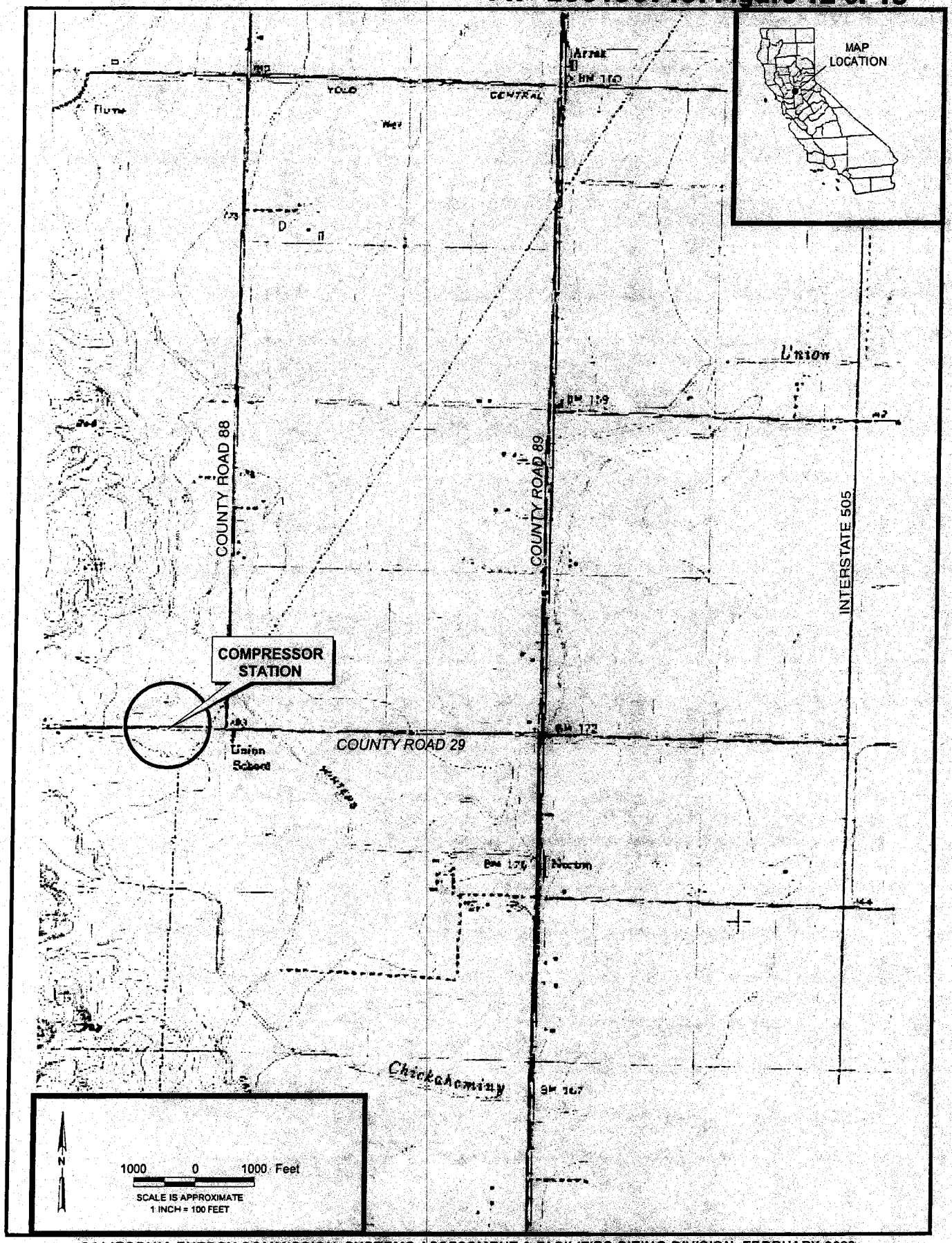


SHEET 10 OF 10

DETENTION BASIN LEVEE CROSS-SECTION
COSUMES POWER PLANT PROJECT
SACRAMENTO COUNTY MUNICIPAL UTILITES DISTRICT

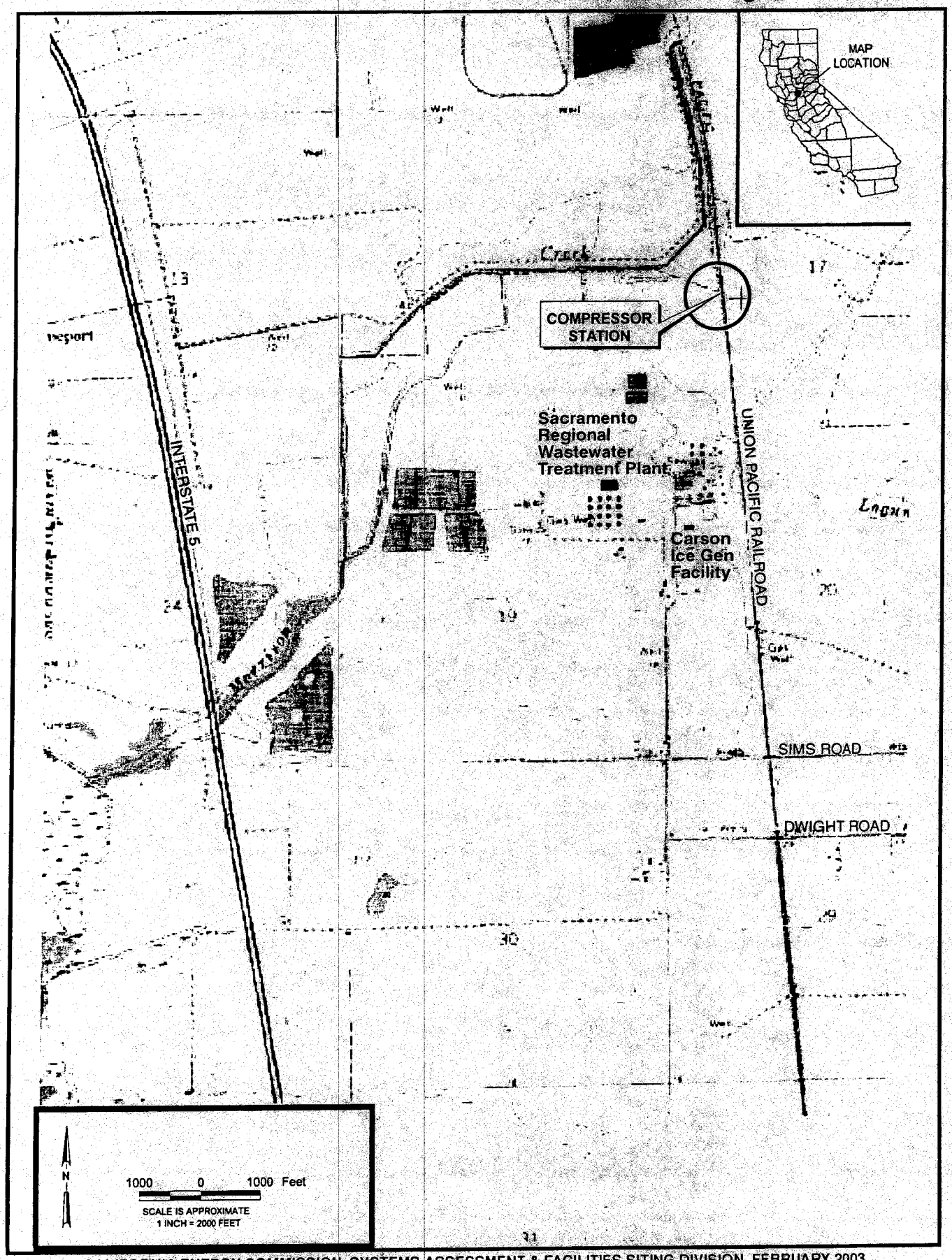
G:\SMUD\CROSS_SECTION3.APR\SHEET10_OF_10A.JPG

PN# 20010071O: Figure 11 of 19



CALIFORNIA ENERGY COMMISSION, SYSTEMS ASSESSMENT & FACILITIES SITING DIVISION, FEBRUARY 2003
SOURCE: SMUD 2002p, Figure 1-1

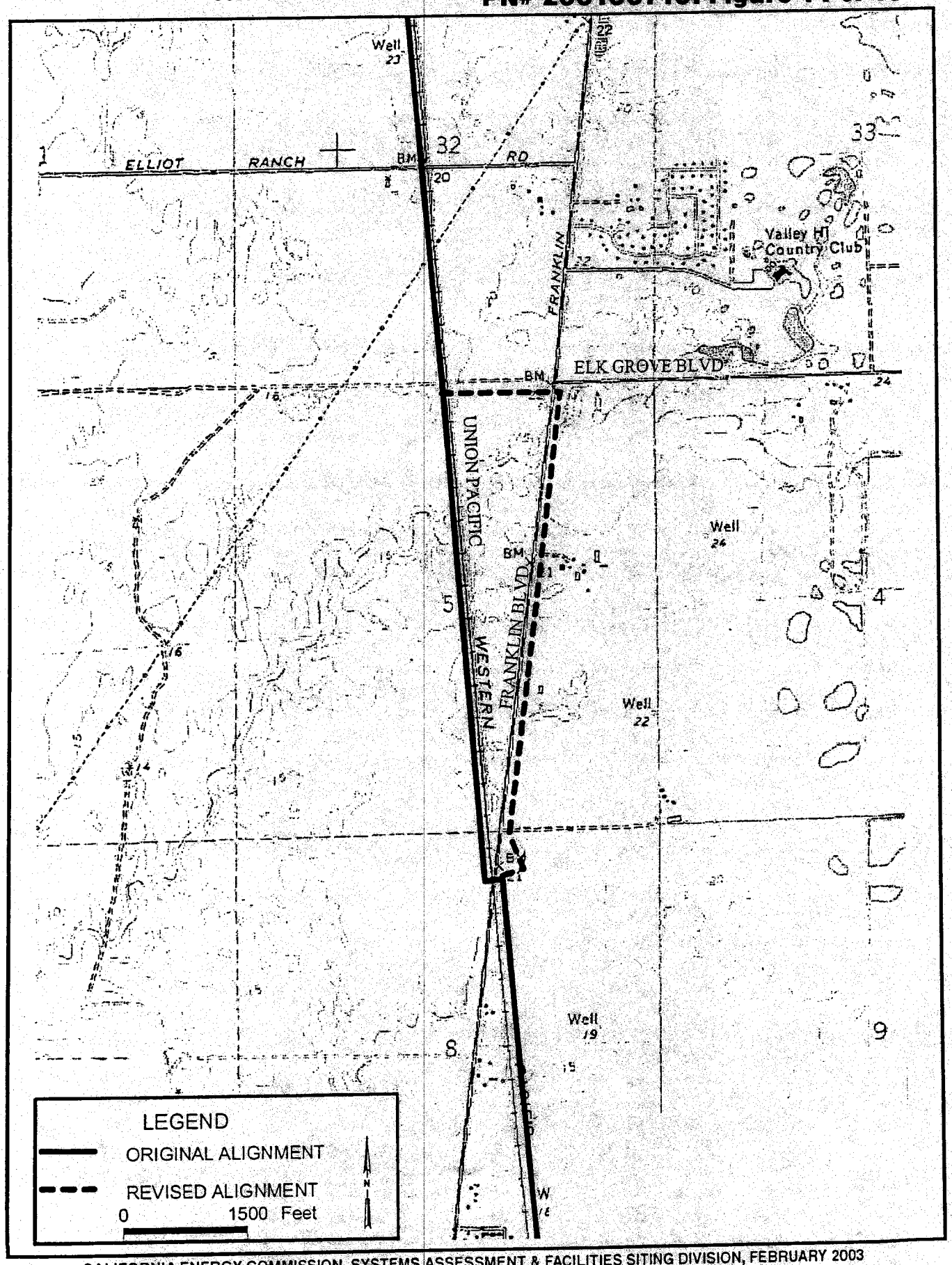
PROJECT DESCRIPTION - Figure 7
Cosumnes Power Plant - Valve #190 Crosstie Compressor Station
PN# 200100710: Figure 13 of 19



CALIFORNIA ENERGY COMMISSION, SYSTEMS ASSESSMENT & FACILITIES SITING DIVISION, FEBRUARY 2003
SOURCE: SMUD 2002p, Figure 1-2

PROJECT LOCATION - FIGURE 5

Cosumnes Power Plant - Revised Natural Gas Pipeline Alignment

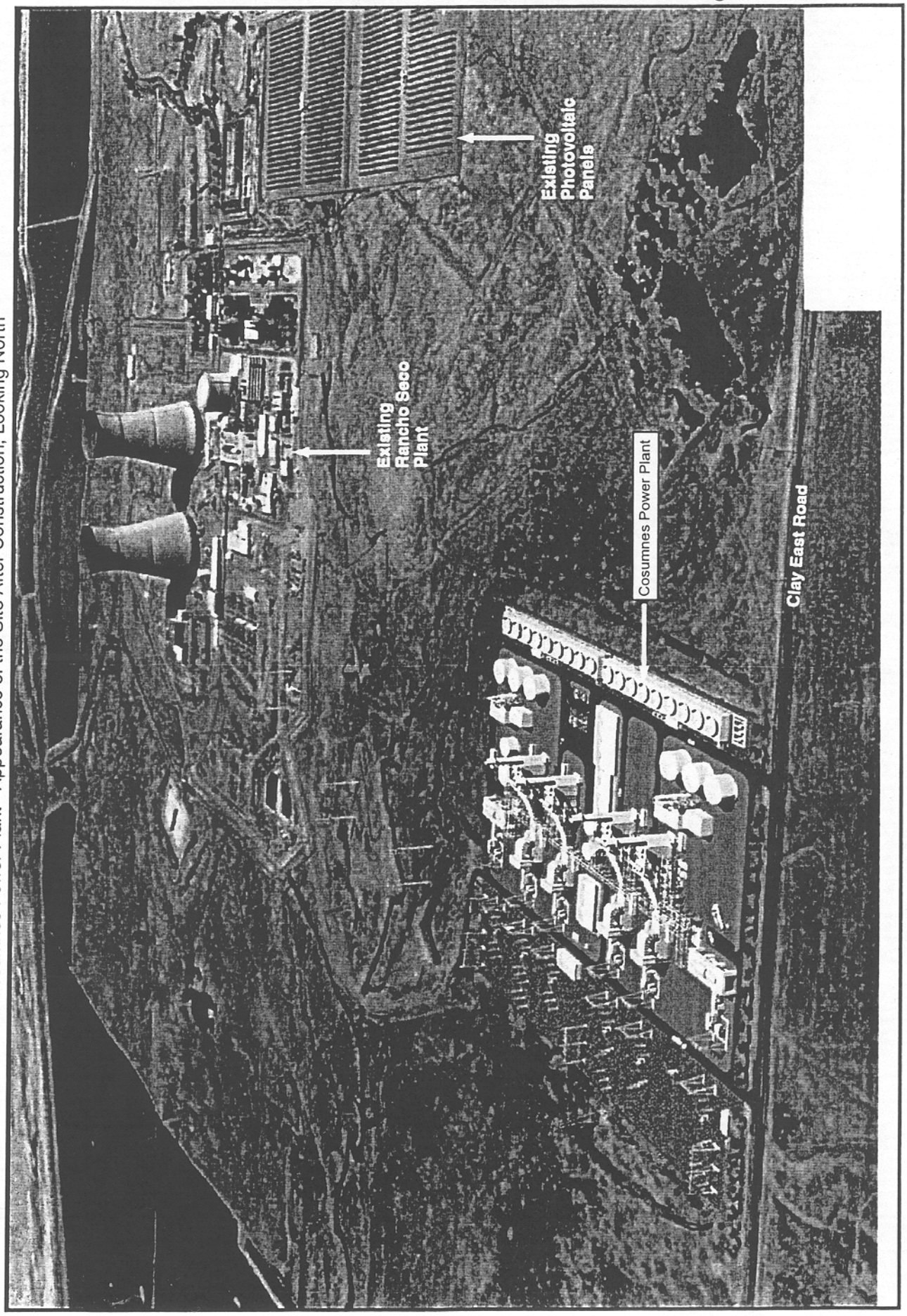


CALIFORNIA ENERGY COMMISSION, SYSTEMS ASSESSMENT & FACILITIES SITING DIVISION, FEBRUARY 2003

SOURCE: SMUD 2002ax

PROJECT DESCRIPTION - Figure 2

Cosumnes Power Plant - Appearance of the Site After Construction, Looking North



CALIFORNIA ENERGY COMMISSION, SYSTEMS ASSESSMENT & FACILITIES SITING DIVISION, FEBRUARY 2003
SOURCE: AFC Supplement C, Figure 1.1-5R

Table 1. Summary of Wetland Surface Areas and Areas of Construction **PN# 200100710: Figure 16 of 19**

Cosumnes Power Plant Project, Sacramento Municipal Utilities District

Location Designation	Habitat Type[1]	Acres Within Survey Boundary[2]	Acres Within Construction Zone	Temporary Impact Acres	Permanent Impact Acres	Source
Natural Gas Pipeline Alignment[3]						
001-SW	Seasonal Wetland	0.069	0.000	0.000	0.000	CH2M HILL, 2003
002-SW	Seasonal Wetland	0.113	0.000	0.000	0.000	CH2M HILL, 2003
003-DD	Drainage Ditch	0.166	0.017	0.017	0.000	CH2M HILL, 2003
004-SW	Seasonal Wetland	0.076	0.000	0.000	0.000	CH2M HILL, 2003
005-PF	Ponded Feature	0.022	0.000	0.000	0.000	CH2M HILL, 2003
006-DD (WUS)	Drainage Ditch	3.032	0.000	0.000	0.000	CH2M HILL, 2003
007-SW	Seasonal Wetland	0.066	0.066	0.066	0.000	CH2M HILL, 2003
008-SW	Seasonal Wetland	0.232	0.232	0.232	0.000	CH2M HILL, 2003
009-SW	Seasonal Wetland	0.043	0.042	0.042	0.000	CH2M HILL, 2003
010-SW	Seasonal Wetland	0.160	0.160	0.160	0.000	CH2M HILL, 2003
011-SW	Seasonal Wetland	0.028	0.000	0.000	0.000	CH2M HILL, 2003
012-SW	Seasonal Wetland	0.188	0.000	0.000	0.000	CH2M HILL, 2003
013-SW	Seasonal Wetland	0.028	0.000	0.000	0.000	CH2M HILL, 2003
014-SW	Seasonal Wetland	0.072	0.000	0.000	0.000	CH2M HILL, 2003
015-FM	Freshwater Marsh	0.384	0.106	0.106	0.000	CH2M HILL, 2003
016-DD (WUS)	Drainage Ditch	0.868	0.138	0.138	0.000	CH2M HILL, 2003
017-PD	Pond	0.383	0.331	0.331	0.000	CH2M HILL, 2003
018-DD	Drainage Ditch	0.021	0.000	0.000	0.000	CH2M HILL, 2003
019A-SW	Seasonal Wetland	0.021	0.021	0.021	0.000	CH2M HILL, 2003
019B-SW	Seasonal Wetland	0.004	0.004	0.004	0.000	CH2M HILL, 2003
019C-SW	Seasonal Wetland	0.005	0.005	0.005	0.000	CH2M HILL, 2003
019-DD	Drainage Ditch	0.502	0.000	0.000	0.000	CH2M HILL, 2003
020-DD	Drainage Ditch	0.315	0.000	0.000	0.000	CH2M HILL, 2003
021A-SW	Seasonal Wetland	0.932	0.333	0.333	0.000	CH2M HILL, 2003
021-DD	Drainage Ditch	0.141	0.000	0.000	0.000	CH2M HILL, 2003
022A-SW	Seasonal Wetland	0.016	0.016	0.016	0.000	CH2M HILL, 2003
022-DD	Drainage Ditch	1.542	0.016	0.016	0.000	CH2M HILL, 2003
023-DD	Drainage Ditch	0.168	0.029	0.029	0.000	CH2M HILL, 2003
024-DD	Drainage Ditch	0.201	0.033	0.033	0.000	CH2M HILL, 2003
025-SW	Seasonal Wetland	0.070	0.000	0.000	0.000	CH2M HILL, 2003
026-SW	Seasonal Wetland	0.048	0.000	0.000	0.000	CH2M HILL, 2003
027-DD	Drainage Ditch	0.585	0.017	0.017	0.000	CH2M HILL, 2003
028-DD	Drainage Ditch	0.278	0.000	0.000	0.000	CH2M HILL, 2003
029-DD	Drainage Ditch	0.055	0.016	0.016	0.000	CH2M HILL, 2003
030-DD (WUS)	Drainage Ditch	1.393	0.037	0.037	0.000	CH2M HILL, 2003
031-DD	Drainage Ditch	0.082	0.000	0.000	0.000	CH2M HILL, 2003
032-PF	Ponded Feature	0.062	0.000	0.000	0.000	CH2M HILL, 2003
033-DD	Drainage Ditch	0.106	0.040	0.040	0.000	CH2M HILL, 2003
034-DD	Drainage Ditch	0.505	0.000	0.000	0.000	CH2M HILL, 2003
035-DD	Drainage Ditch	0.014	0.000	0.000	0.000	CH2M HILL, 2003
036-DD	Drainage Ditch	0.361	0.005	0.005	0.000	CH2M HILL, 2003
037-PF	Ponded Feature	0.177	0.091	0.091	0.000	CH2M HILL, 2003
038-DD	Drainage Ditch	0.512	0.084	0.084	0.000	CH2M HILL, 2003
039-DD	Drainage Ditch	0.101	0.017	0.017	0.000	CH2M HILL, 2003
040-DD	Drainage Ditch	1.172	0.000	0.000	0.000	CH2M HILL, 2003
042-DD	Drainage Ditch	0.900	0.000	0.000	0.000	CH2M HILL, 2003
043-DD	Drainage Ditch	0.022	0.008	0.008	0.000	CH2M HILL, 2003
044-CP (WUS)	Perennial Creek	0.345	0.000	0.000	0.000	CH2M HILL, 2003
045-SW	Seasonal Wetland	0.450	0.212	0.212	0.000	CH2M HILL, 2003
047-DD	Drainage Ditch	0.057	0.020	0.020	0.000	CH2M HILL, 2003
048-DD	Drainage Ditch	1.462	0.022	0.022	0.000	CH2M HILL, 2003
050-DD	Drainage Ditch	0.449	0.000	0.000	0.000	CH2M HILL, 2003
052-DD	Drainage Ditch	0.396	0.315	0.315	0.000	CH2M HILL, 2003
053-DD	Drainage Ditch	0.259	0.226	0.226	0.000	CH2M HILL, 2003
054-DD	Drainage Ditch	0.707	0.632	0.632	0.000	CH2M HILL, 2003
055-DD	Drainage Ditch	0.477	0.050	0.050	0.000	CH2M HILL, 2003
056-FM	Freshwater Marsh	1.338	0.000	0.000	0.000	CH2M HILL, 2003
058-DD	Drainage Ditch	0.031	0.000	0.000	0.000	CH2M HILL, 2003
059-RW	Riparian Willow Scrub	1.827	0.000	0.000	0.000	CH2M HILL, 2003
060-RV (WUS)	River, Cosumnes	0.642	0.000	0.000	0.000	CH2M HILL, 2003
061-RW	Riparian Willow Scrub	0.715	0.000	0.000	0.000	CH2M HILL, 2003
063-DD	Drainage Ditch	0.234	0.000	0.000	0.000	CH2M HILL, 2003
064-DD	Drainage Ditch	0.062	0.000	0.000	0.000	CH2M HILL, 2003
065-DD	Drainage Ditch	0.028	0.000	0.000	0.000	CH2M HILL, 2003
066-CP (WUS)	Perennial Creek	0.522	0.000	0.000	0.000	CH2M HILL, 2003
067-DD	Drainage Ditch	0.024	0.006	0.006	0.000	CH2M HILL, 2003
069-DD	Drainage Ditch	0.028	0.009	0.009	0.000	CH2M HILL, 2003
071-SW	Seasonal Wetland	1.489	0.004	0.004	0.000	CH2M HILL, 2003
072-SW	Seasonal Wetland	0.653	0.000	0.000	0.000	CH2M HILL, 2003
073-DD	Drainage Ditch	0.140	0.140	0.140	0.000	CH2M HILL, 2003
074-SW	Seasonal Wetland	0.092	0.000	0.000	0.000	CH2M HILL, 2003
075-DD	Drainage Ditch	0.188	0.185	0.185	0.000	CH2M HILL, 2003
076-DD	Drainage Ditch	0.040	0.028	0.028	0.000	CH2M HILL, 2003
077-VP	Vernal Pool	0.116	0.000	0.000	0.000	CH2M HILL, 2003
078-DD	Drainage Ditch	0.008	0.008	0.008	0.000	CH2M HILL, 2003
079-DD	Drainage Ditch	0.036	0.000	0.000	0.000	CH2M HILL, 2003
080-VP	Vernal Pool	0.431	0.000	0.000	0.000	CH2M HILL, 2003
081-SW	Seasonal Wetland	0.490	0.000	0.000	0.000	CH2M HILL, 2003
082-DD	Drainage Ditch	0.037	0.000	0.000	0.000	CH2M HILL, 2003
083-DD	Drainage Ditch	0.180	0.139	0.139	0.000	CH2M HILL, 2003
084-DD	Drainage Ditch	0.151	0.046	0.046	0.000	CH2M HILL, 2003
085-VP	Vernal Pool	0.042	0.000	0.000	0.000	CH2M HILL, 2003
086-VP	Vernal Pool	0.029	0.000	0.000	0.000	CH2M HILL, 2003
088-DD	Drainage Ditch	0.265	0.226	0.226	0.000	CH2M HILL, 2003

Location Designation	Habitat Type[1]	Acres Within Survey Boundary[2]	Acres Within Construction Zone	Temporary Impact Acres	Permanent Impact Acres	Source
089-SS	Seasonal Swale	0.064	0.023	0.023	0.000	CH2M HILL, 2003
090-SS (incls. 091-SS & 092-SS)	Seasonal Swale	0.524	0.162	0.162	0.000	CH2M HILL, 2003
094-DD	Drainage Ditch	0.021	0.015	0.015	0.000	CH2M HILL, 2003
095-DD	Drainage Ditch	0.167	0.158	0.158	0.000	CH2M HILL, 2003
096-DD	Drainage Ditch	0.015	0.015	0.015	0.000	CH2M HILL, 2003
097-CP (WUS)	Perennial Creek	0.270	0.013	0.013	0.000	CH2M HILL, 2003
098-DD	Drainage Ditch	0.247	0.170	0.170	0.000	CH2M HILL, 2003
099-DD	Drainage Ditch	0.021	0.004	0.004	0.000	CH2M HILL, 2003
100-DD	Drainage Ditch	0.008	0.000	0.000	0.000	CH2M HILL, 2003
101-DD	Drainage Ditch	0.266	0.000	0.000	0.000	CH2M HILL, 2003
102-DD	Drainage Ditch	0.135	0.122	0.122	0.000	CH2M HILL, 2003
103-DD	Drainage Ditch	0.195	0.007	0.007	0.000	CH2M HILL, 2003
104-DD	Drainage Ditch	0.431	0.239	0.239	0.000	CH2M HILL, 2003
107-DD	Drainage Ditch	0.098	0.012	0.012	0.000	CH2M HILL, 2003
108-DD	Drainage Ditch	0.002	0.000	0.000	0.000	CH2M HILL, 2003
109-DD	Drainage Ditch	0.008	0.004	0.004	0.000	CH2M HILL, 2003
111-DD	Drainage Ditch	0.069	0.044	0.044	0.000	CH2M HILL, 2003
112-DD	Drainage Ditch	0.128	0.002	0.002	0.000	CH2M HILL, 2003
113-DD	Drainage Ditch	0.070	0.017	0.017	0.000	CH2M HILL, 2003
115-DD	Drainage Ditch	0.064	0.000	0.000	0.000	CH2M HILL, 2003
116-DD	Drainage Ditch	0.140	0.000	0.000	0.000	CH2M HILL, 2003
118-DD	Drainage Ditch	0.194	0.000	0.000	0.000	CH2M HILL, 2003
119-PD	Pond	0.188	0.000	0.000	0.000	CH2M HILL, 2003
120-FM	Freshwater Marsh	0.588	0.000	0.000	0.000	CH2M HILL, 2003
122-CP (WUS)	Perennial Creek	0.740	0.000	0.000	0.000	CH2M HILL, 2003
125-CS (WUS)	Seasonal Creek	0.272	0.000	0.000	0.000	CH2M HILL, 2003
126-SW	Seasonal Wetland	0.004	0.000	0.000	0.000	CH2M HILL, 2003
127-SW	Seasonal Wetland	0.107	0.000	0.000	0.000	CH2M HILL, 2003
128-SS	Seasonal Swale	0.059	0.000	0.000	0.000	CH2M HILL, 2003
130-SS	Seasonal Swale	0.154	0.013	0.013	0.000	CH2M HILL, 2003
131-PF	Ponded Feature	0.080	0.058	0.058	0.000	CH2M HILL, 2003
132-DD	Drainage Ditch	0.050	0.014	0.014	0.000	CH2M HILL, 2003
132-PD	Pond	0.235	0.000	0.000	0.000	CH2M HILL, 2003
133-DD	Drainage Ditch	0.004	0.003	0.003	0.000	CH2M HILL, 2003
134-DD	Drainage Ditch	0.004	0.003	0.003	0.000	CH2M HILL, 2003
135-DD	Drainage Ditch	0.007	0.005	0.005	0.000	CH2M HILL, 2003
136-PF	Ponded Feature	0.005	0.005	0.005	0.000	CH2M HILL, 2003
137-DD	Drainage Ditch	0.009	0.006	0.006	0.000	CH2M HILL, 2003
138-PF	Ponded Feature	0.023	0.011	0.011	0.000	CH2M HILL, 2003
139-PF	Ponded Feature	0.026	0.026	0.026	0.000	CH2M HILL, 2003
140-PF	Ponded Feature	0.057	0.053	0.053	0.000	CH2M HILL, 2003
141-PF	Ponded Feature	0.021	0.020	0.020	0.000	CH2M HILL, 2003
142-PF	Ponded Feature	0.010	0.010	0.010	0.000	CH2M HILL, 2003
143-PF	Ponded Feature	0.050	0.046	0.046	0.000	CH2M HILL, 2003
144-SW	Seasonal Wetland	0.099	0.099	0.099	0.000	CH2M HILL, 2003
145-PF	Ponded Feature	0.008	0.008	0.008	0.000	CH2M HILL, 2003
146-PF	Ponded Feature	0.005	0.005	0.005	0.000	CH2M HILL, 2003
147-SW	Seasonal Wetland	0.112	0.100	0.100	0.000	CH2M HILL, 2003
148-PF	Ponded Feature	0.027	0.027	0.027	0.000	CH2M HILL, 2003
149-DD	Drainage Ditch	0.013	0.008	0.008	0.000	CH2M HILL, 2003
150-PF	Ponded Feature	0.110	0.058	0.058	0.000	CH2M HILL, 2003
151-DD	Drainage Ditch	0.018	0.009	0.009	0.000	CH2M HILL, 2003
152-PF	Ponded Feature	0.033	0.000	0.000	0.000	CH2M HILL, 2003
153-DD	Drainage Ditch	0.016	0.008	0.008	0.000	CH2M HILL, 2003
154-DD	Drainage Ditch	0.022	0.012	0.012	0.000	CH2M HILL, 2003
155-DD	Drainage Ditch	0.183	0.163	0.163	0.000	CH2M HILL, 2003
156-PF	Ponded Feature	0.021	0.000	0.000	0.000	CH2M HILL, 2003
157-PF	Ponded Feature	0.036	0.019	0.019	0.000	CH2M HILL, 2003
158-PF	Ponded Feature	0.007	0.006	0.006	0.000	CH2M HILL, 2003
159-DD	Drainage Ditch	0.014	0.009	0.009	0.000	CH2M HILL, 2003
160-PF	Ponded Feature	0.014	0.014	0.014	0.000	CH2M HILL, 2003
161-PF	Ponded Feature	0.011	0.011	0.011	0.000	CH2M HILL, 2003
162-SW	Seasonal Wetland	0.033	0.000	0.000	0.000	CH2M HILL, 2003
163-CS (WUS)	Seasonal Creek	0.034	0.000	0.000	0.000	CH2M HILL, 2003
164-CS (WUS)	Seasonal Creek	0.052	0.000	0.000	0.000	CH2M HILL, 2003
165-VP	Vernal Pool	0.007	0.000	0.000	0.000	CH2M HILL, 2003
166-DD (WUS)	Drainage Ditch	0.006	0.006	0.006	0.000	CH2M HILL, 2003
167-DD	Drainage Ditch	0.024	0.004	0.004	0.000	CH2M HILL, 2003
168-DD	Drainage Ditch	0.037	0.005	0.005	0.000	CH2M HILL, 2003
169-DD	Drainage Ditch	0.015	0.003	0.003	0.000	CH2M HILL, 2003
170-CS (WUS)	Seasonal Creek	0.030	0.005	0.005	0.000	CH2M HILL, 2003
171-DD	Drainage Ditch	0.053	0.020	0.020	0.000	CH2M HILL, 2003
Laydown Area						
LD SS1	Seasonal Stream	0.350	0.132	0.000	0.132	CH2M HILL, 2003
LD SW1A	Seasonal Swale	0.105	0.092	0.000	0.092	CH2M HILL, 2003
LD SW1B	Seasonal Swale	0.016	0.000	0.000	0.000	CH2M HILL, 2003
LD SW2	Seasonal Swale	0.213	0.213	0.000	0.213	CH2M HILL, 2003
LD SW3	Seasonal Swale	0.133	0.089	0.000	0.089	CH2M HILL, 2003
LD SW4	Seasonal Swale	0.107	0.037	0.000	0.037	CH2M HILL, 2003
LD VP1	Vernal Pool	0.152	0.000	0.000	0.000	CH2M HILL, 2003
LD VP2	Vernal Pool	0.023	0.023	0.000	0.023	CH2M HILL, 2003
LD VP3	Vernal Pool	0.006	0.006	0.000	0.006	CH2M HILL, 2003
LD VP4	Vernal Pool	0.049	0.000	0.000	0.000	CH2M HILL, 2003
LD VP5	Vernal Pool	0.044	0.000	0.000	0.000	CH2M HILL, 2003
LD VP6	Vernal Pool	0.005	0.000	0.000	0.000	CH2M HILL, 2003
LD VP7	Vernal Pool	0.012	0.000	0.000	0.000	CH2M HILL, 2003

Location Designation	Habitat Type[1]	Acres Within Survey Boundary[2]	Acres Within Construction Zone	Temporary Impact Acres	Permanent Impact Acres	Source
LD VP8	Vernal Pool	0.009	0.000	0.000	0.000	CH2M HILL, 2003
LD VP9	Vernal Pool	0.03	0.000	0.000	0.000	CH2M HILL, 2003
LD VP10	Vernal Pool	0.018	0.000	0.000	0.000	CH2M HILL, 2003
LD VP11	Vernal Pool	0.001	0.000	0.000	0.000	CH2M HILL, 2003
LD VP12	Vernal Pool	0.005	0.005	0.000	0.005	CH2M HILL, 2003
LD VP13	Vernal Pool	0.006	0.006	0.000	0.006	CH2M HILL, 2003
LD VP14	Vernal Pool	0.004	0.004	0.000	0.004	CH2M HILL, 2003
LD VP15	Vernal Pool	0.011	0.011	0.000	0.011	CH2M HILL, 2003
Power Plant Site[4]						
Drainage 1	Seasonal Stream	0.009	0.009	0.000	0.009	CH2M HILL, 2002
Drainage 2	Seasonal Wetland	0.005	0.005	0.000	0.005	CH2M HILL, 2002
Drainage 3	Seasonal Stream	0.009	0.009	0.000	0.009	CH2M HILL, 2002
Drainage 4	Seasonal Stream	0.013	0.013	0.000	0.013	CH2M HILL, 2002
Drainage 5	Seasonal Wetland	0.002	0.002	0.000	0.002	CH2M HILL, 2002
Drainage 6	Seasonal Wetland	0.008	0.008	0.000	0.008	CH2M HILL, 2002
Drainage 7	Seasonal Stream	0.009	0.009	0.000	0.009	CH2M HILL, 2002
DSW1	Seasonal Wetland	0.345	0.126	0.126	0.000	DEC, 2000
DSW2	Seasonal Wetland	1.195	0.524	0.524	0.000	DEC, 2000
DSW3	Seasonal Wetland	0.265	0.000	0.000	0.000	DEC, 2000
HVP1	Vernal Pool	0.116	0.000	0.000	0.000	DEC, 2000
HVP2	Vernal Pool	0.010	0.000	0.000	0.000	DEC, 2000
HVP3	Vernal Pool	0.011	0.011	0.011	0.000	DEC, 2000
HVP4	Vernal Pool	0.016	0.016	0.016	0.000	DEC, 2000
HVP5	Vernal Pool	0.016	0.000	0.000	0.000	DEC, 2000
HVP6	Vernal Pool	0.007	0.000	0.000	0.000	DEC, 2000
OW1	Open Water	0.037	0.000	0.000	0.000	DEC, 2000
OW2	Open Water	0.031	0.000	0.000	0.000	DEC, 2000
OW3	Open Water	0.655	0.000	0.000	0.000	DEC, 2000
PT1	Placer Tailings	3.548	0.000	0.000	0.000	DEC, 2000
PT10	Placer Tailings	0.123	0.000	0.000	0.000	DEC, 2000
PT2	Placer Tailings	0.055	0.000	0.000	0.000	DEC, 2000
PT3	Placer Tailings	0.129	0.000	0.000	0.000	DEC, 2000
PT4	Placer Tailings	0.642	0.000	0.000	0.000	DEC, 2000
PT5	Placer Tailings	0.010	0.000	0.000	0.000	DEC, 2000
PT6	Placer Tailings	0.012	0.000	0.000	0.000	DEC, 2000
PT7	Placer Tailings	0.008	0.000	0.000	0.000	DEC, 2000
PT8	Placer Tailings	0.201	0.000	0.000	0.000	DEC, 2000
PT9	Placer Tailings	0.106	0.000	0.000	0.000	DEC, 2000
S1	Seasonal Stream	0.005	0.000	0.000	0.000	DEC, 2000
S10	Seasonal Stream	0.084	0.000	0.000	0.000	DEC, 2000
S11	Seasonal Stream	0.383	0.115	0.000	0.115	DEC, 2000
S12	Seasonal Stream	0.025	0.000	0.000	0.000	DEC, 2000
S13	Seasonal Stream	0.080	0.000	0.000	0.000	DEC, 2000
S14	Seasonal Stream	0.004	0.000	0.000	0.000	DEC, 2000
S15	Seasonal Stream	0.002	0.000	0.000	0.000	DEC, 2000
S16	Seasonal Stream	0.030	0.029	0.029	0.000	DEC, 2000
S17	Seasonal Stream	0.029	0.000	0.000	0.000	DEC, 2000
S18	Seasonal Stream	0.006	0.000	0.000	0.000	DEC, 2000
S19	Seasonal Stream	0.092	0.000	0.000	0.000	DEC, 2000
S2	Perennial Stream	0.304	0.000	0.000	0.000	DEC, 2000
S20	Seasonal Stream	0.002	0.000	0.000	0.000	DEC, 2000
S21	Seasonal Stream	0.001	0.000	0.000	0.000	DEC, 2000
S22	Seasonal Stream	0.141	0.000	0.000	0.000	DEC, 1999, 2000
S23	Seasonal Stream	0.038	0.000	0.000	0.000	DEC, 2000
S24	Seasonal Stream	0.024	0.000	0.000	0.000	DEC, 2000
S25	Seasonal Stream	0.239	0.000	0.000	0.000	DEC, 2000
S26	Seasonal Stream	0.014	0.000	0.000	0.000	DEC, 2000
S27*	Seasonal Stream	0.089	0.000	0.000	0.000	DEC, 1999, 2000
S28	Seasonal Stream	0.022	0.000	0.000	0.000	DEC, 2000
S3	Perennial Stream	2.125	0.110	0.110	0.000	DEC, 2000
S4	Seasonal Stream	0.012	0.000	0.000	0.000	DEC, 2000
S5	Seasonal Stream	0.151	0.000	0.000	0.000	DEC, 1999, 2000
S6	Seasonal Stream	0.002	0.000	0.000	0.000	DEC, 2000
S7	Seasonal Stream	0.101	0.000	0.000	0.000	DEC, 1999, 2000
S8	Seasonal Stream	0.074	0.074	0.000	0.074	DEC, 2000
S9	Seasonal Stream	0.045	0.000	0.000	0.000	DEC, 2000
SM1	Seasonal Marsh	0.402	0.000	0.000	0.000	DEC, 2000
SM2	Seasonal Marsh	0.003	0.000	0.000	0.000	DEC, 2000
SM3	Seasonal Marsh	0.346	0.285	0.000	0.285	DEC, 2000
SS1	Seasonal Swale	0.713	0.000	0.000	0.000	DEC, 2000
SS-1*	Seasonal Swale	0.688	0.000	0.000	0.000	DEC, 1999
SS2	Seasonal Swale	0.792	0.000	0.000	0.000	DEC, 2000
SS-2	Seasonal Swale	0.329	0.000	0.000	0.000	DEC, 1999
SS3	Seasonal Swale	0.980	0.000	0.000	0.000	DEC, 2000
SS-3	Seasonal Swale	0.236	0.000	0.000	0.000	DEC, 1999
SS4	Seasonal Swale	0.248	0.024	0.000	0.024	DEC, 2000
SS-4	Seasonal Swale	0.248	0.000	0.000	0.000	DEC, 1999
SS5	Seasonal Swale	0.029	0.000	0.000	0.000	DEC, 2000
SS-5	Seasonal Swale	0.393	0.000	0.000	0.000	DEC, 1999
SS6	Seasonal Swale	0.060	0.000	0.000	0.000	DEC, 2000
SS7	Seasonal Swale	0.165	0.000	0.000	0.000	DEC, 2000
SW1	Seasonal Wetland	0.098	0.000	0.000	0.000	DEC, 2000
SW10*	Seasonal Wetland	0.173	0.159	0.138	0.021	DEC, 2000
SW11*	Seasonal Wetland	0.382	0.146	0.136	0.010	DEC, 2000
SW12	Seasonal Wetland	0.035	0.035	0.000	0.035	DEC, 2000
SW13	Seasonal Wetland	0.045	0.045	0.000	0.045	DEC, 2000

Location Designation	Habitat Type[1]	Acres Within Survey Boundary[2]	Acres Within Construction Zone	Temporary Impact Acres	Permanent Impact Acres	Source
SW14	*Seasonal Wetland*	*0.073*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW15	*Seasonal Wetland*	*0.016*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW16	*Seasonal Wetland*	*0.046*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW17	*Seasonal Wetland*	*0.072*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW18	*Seasonal Wetland*	*0.117*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW19	*Seasonal Wetland*	*0.031*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW2	*Seasonal Wetland*	*0.136*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW3	*Seasonal Wetland*	*0.034*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW4	*Seasonal Wetland*	*0.289*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
*SW5**	*Seasonal Wetland*	*0.319*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW6	*Seasonal Wetland*	*0.397*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW7	*Seasonal Wetland*	*0.006*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW8	*Seasonal Wetland*	*0.004*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
SW9*	**Seasonal Wetland**	**0.104**	**0.104**	**0.104**	**0.000**	**DEC, 2000**
VP1	*Vernal Pool*	*0.090*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
VP-1	*Vernal Pool*	*0.019*	*0.000*	*0.000*	*0.000*	*DEC, 1999*
VP10	*Vernal Pool*	*0.138*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
VP11	*Vernal Pool*	*0.021*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
VP2	*Vernal Pool*	*0.005*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
VP-2	*Vernal Pool*	*0.013*	*0.000*	*0.000*	*0.000*	*DEC, 1999*
VP3	*Vernal Pool*	*0.090*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
VP-3	*Vernal Pool*	*0.027*	*0.000*	*0.000*	*0.000*	*DEC, 1999*
VP4	*Vernal Pool*	*0.066*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
VP-4	*Vernal Pool*	*0.031*	*0.000*	*0.000*	*0.000*	*DEC, 1999*
VP5	*Vernal Pool*	*0.063*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
VP-5	*Vernal Pool*	*0.087*	*0.000*	*0.000*	*0.000*	*DEC, 1999*
VP6	*Vernal Pool*	*0.016*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
VP-6	*Vernal Pool*	*0.032*	*0.000*	*0.000*	*0.000*	*DEC, 1999*
VP7	*Vernal Pool*	*0.006*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
VP8	*Vernal Pool*	*0.013*	*0.000*	*0.000*	*0.000*	*DEC, 2000*
VP9	Vernal Pool	0.033	0.033	0.000	0.033	DEC, 2000
	Total Acreage	**59.324**	**8.510**			

Jurisdictional Wetland Impact Summary

Temporary Impacts along Natural Gas Pipeline	**1.723 acres**
Temporary Impacts at CPP Site	**1.194 acres**
Total Temporary Impacts (Plant Site and Pipeline)	**2.917 acres**
Permanent Impacts at Laydown Area	**0.618 acres**
Permanent Impacts at Power Plant Site	**0.698 acres**
Total Permanent Impacts (Plant Site and Laydown Area)	**1.316 acres**

Notes:
Map unit entries shown in **BOLDFACE** refer to jurisdictional wetlands.
Map unit entries in *ITALICS* are outside of the construction corridor but within the wetland survey area.

1) Seasonal Creek and Seasonal Marsh are comparable to Intermittent Creek and Marsh habitats, respectively.
2) Wetland acreages were determined using digital GIS. DEC units on the CPP site were digitized into GIS system from DEC report that was mapped onto a non-orthographic aerial photograph. All acreages (including modified DEC units shown by *) were calculated using GIS and may differ slightly from those reported in DEC 2000 report. Acreages for streams were taken directly from the DEC 2000 report, except SS27, which was extended by USACE approximately 300 ft. during the November 15, 2002 verification visit.
3) Construction impacts on 1.749 acres along pipeline will be temporary since original contours and surface soils will be restored.
4) CH2M HILL delineation on the laydown areas and DEC/JAS delineations on the CPP site were confirmed (with modifications as incorporated herein) by USACE on November 15, 2002. The wetland delineation for the entire project (dated February 7, 2003) was approved by the Corps.

Sources:
Davis Environmental Consulting (DEC). 1999. Wetland Delineation Report for the Rancho Seco Photovoltaic Expansion Area, Sacramento County. August.
DEC. 2000. Wetland Delineation Report for the Proposed South Sacramento Power Plant at Rancho Seco, Sacramento County. June.
CH2M HILL. 2002. Wetland areas were mapped by Jones and Stokes (1993) but the potential areas of impact were determined by field measurements made by CH2M HILL personnel on May 29, 2002.
CH2M HILL. 2003. Jurisdictional Waters of the U.S. Report for the Cosumnes Power Plant, Sacramento County, California. February 7.