INFORMATION HANDOUT

For Contract No. 05-1C1204
At 05-SB-101-0.4/11.7

Identified by
Project ID 0512000072

MATERIALS INFORMATION

Portions of ADL report

TRAFFIC MANAGEMENT SYSTEM

Location of existing TMS elements to be maintained during construction

SITE INVESTIGATION REPORT

PREPARED FOR:

CALIFORNIA DEPARTMENT OF TRANSPORTATION
DISTRICT 5
ENVIRONMENTAL ENGINEERING BRANCH
50 HIGUERA STREET
SAN LUIS OBISPO, CALIFORNIA

Caltrans

PREPARED BY:

GEOCON CONSULTANTS, INC.
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PLEASANTON, CALIFORNIA

GEOCON

CONTRACT NO. 43A0012
TASK ORDER NO. 05-448301-GO
GEOCON PROJECT NO. E8000-06-39

MARCH 2001

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
ROUTE 101 - SANTA BARBARA PAVEMENT REHABILITATION

Total Lead - EPA Test Method 6010
Soluble Lead (WET,WET-DI, and TCLP) - EPA Test Method 6010
Soil pH - EPA Test Method 9045

Sample ID.	Figure No.	Total Lead	Soluble Lead			pH
		(mg/kg)	WET (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	
HA9-0	Figure 13	77	---	---	---	---
HA9-1		9.2	---	---	---	---
HA10A-0	Figure 36	536	---	---	---	---
HA10A-1		30	---	---	---	8.09
HA10A-2		7.5	---	---	---	---
HA10B-0	Figure 36	477	---	---	---	---
HA10B-1		30	---	---	---	---
HA10B-2		9.1	---	---	---	---
HA11A-0	Figure 27	211	---	---	---	---
HA11A-1		54	---	---	---	---
HA11A-2		10	---	---	---	---
HA11B-0	Figure 27	216	---	---	---	---
HA11B-1		51	---	---	---	---
HA11B-2		15	---	---	---	---
HA12A-0	Figure 22	281	---	---	---	7.04
HA12A-1		5.4	---	---	---	---
HA12A-2		< 5.0	---	---	---	---
HA12B-0	Figure 22	269	---	---	---	---
HA12B-1		< 5.0	---	---	---	---
HA12B-2		< 5.0	---	---	---	---
HA13A-0	Figure 21	370	---	---	---	---
HA13A-1		12	---	---	---	---
HA13B-0	Figure 21	417	---	---	---	---
HA13B-1		14	---	---	---	8.43
HA14A-0	Figure 17	86	---	---	---	---
HA14A-1		24	---	---	---	---
HA14B-0	Figure 17	70	---	---	---	---
HA14B-1		24	---	---	---	---
HA15A-0	Figure 16	129	---	---	---	---
HA15A-1		31	---	---	---	---
HA15A-2		6.0	---	---	---	---
HA15B-0	Figure 16	129	---	---	---	---
HA15B-1		34	---	---	---	---
HA15B-2		7.1	---	---	---	---
HA16A-0	Figure 10	144	---	---	---	7.45
HA16A-1		8.7	---	---	---	---
HA16B-0	Figure 10	211	---	---	---	---
HA16B-1		14	---	---	---	---
HA17A-0	Figure 10	110	---	---	---	---
HA17A-1		< 5.0	---	---	---	---
HA17B-0	Figure 10	54	---	---	---	---
HA17B-1		< 5.0	---	---	---	---

Notes:

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

--- = Analysis not performed

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
ROUTE 101 - SANTA BARBARA PAVEMENT REHABILITATION

Total Lead - EPA Test Method 6010
Soluble Lead (WET,WET-DI, and TCLP) - EPA Test Method 6010
Soil pH - EPA Test Method 9045

Sample ID.	Figure No.	Total Lead	Soluble Lead			pH
		(mg/kg)	WET (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	
B1-0	Figure 8	132	4.5	---	---	---
B1-1		6.3	---	---	---	---
B1-2		6.1	---	---	---	---
B2-0	Figure 8	69	7.9	---	---	8.5
B2-1		5.7	---	---	---	---
B2-2		3	---	---	---	---
B3-0	Figure 8	9.4	---	---	---	---
B3-1		7	---	---	---	---
B3-2		4.4	---	---	---	---
B4-0	Figure 8	184	12	---	---	---
B4-1		6.7	---	---	---	---
B4-2		4.5	---	---	---	---
B5-0	Figure 6	90	5.1	---	---	---
B5-1		6.9	---	---	---	8.5
B5-2		4.0	---	---	---	---
B6-0	Figure 6	80	4.5	---	---	---
B6-1		6.3	---	---	---	---
B6-1.5		4.8	---	---	---	---
B7-0	Figure 4	334	13	---	---	---
B7-1		80	3.7	---	---	---
B7-2		8	---	---	---	---
B8-0	Figure 4	30	---	---	---	---
B8-1		36	---	---	---	---
B8-2		5.1	---	---	---	---
B9-0	Figure 3	535	31	---	---	---
B9-1		142	7.6	---	---	---
B9-2		7.4	---	---	---	---
B10-0	Figure 2	206	14	---	---	---
B10-1		100	4.1	---	---	---
B10-2		15	---	---	---	---
B11-0	Figure 2	89	3.6	---	---	8.3
B11-1		7.9	---	---	---	---
B11-2		17	---	---	---	---
B12-0	Figure 2	247	14	---	---	---
B12-1		14	---	---	---	8.1
B12-2		5.8	---	---	---	---
B13-0	Figure 2	58	3.2	---	---	---
B13-1		12	---	---	---	---
B13-2		8.2	---	---	---	---
B14-0	Figure 3	175	13	---	---	---
B14-1		7.7	---	---	---	7.8
B14-2		3.1	---	---	---	---

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
ROUTE 101 - SANTA BARBARA PAVEMENT REHABILITATION

Total Lead - EPA Test Method 6010
Soluble Lead (WET,WET-DI, and TCLP) - EPA Test Method 6010
Soil pH - EPA Test Method 9045

Sample ID.	Figure No.	Total Lead	Soluble Lead			pH
		(mg/kg)	WET (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	
B15-0	Figure 3	187	13	---	---	---
B15-1		28	---	---	---	---
B15-2		11	---	---	---	---
B16-0	Figure 4	132	9.0	---	---	---
B16-1		13	---	---	---	---
B16-2		8.3	---	---	---	---
B17-0	Figure 4	16	---	---	---	---
B17-1		3.8	---	---	---	---
B17-2		9.7	---	---	---	---
B18-0	Figure 5	127	7.0	---	---	---
B18-1		27	---	---	---	8.6
B18-2		7.1	---	---	---	---
B19-0	Figure 5	556	55	---	---	---
B19-1		66	5.2	---	---	---
B19-2		27	---	---	---	---
B20-0	Figure 5	52	3.9	---	---	---
B20-1		5.8	---	---	---	---
B20-2		4.4	---	---	---	---
B21-0	Figure 6	430	26	---	---	7.2
B21-1		24	---	---	---	---
B21-2		10	---	---	---	---
B22-0	Figure 7	640	34	---	---	---
B22-1		557	49	---	---	---
B22-2		7.5	---	---	---	---
B23-0	Figure 9	86	5.1	---	---	---
B23-1		5.2	---	---	---	---
B23-2		7.1	---	---	---	---
B24-0	Figure 9	152	10	---	---	---
B24-1		24	---	---	---	---
B24-2		13	---	---	---	---
B25-0	Figure 9	470	47	---	---	---
B25-1		7.7	---	---	---	---
B25-2		4.8	---	---	---	9.0
B26-0	Figure 10	350	24	---	---	---
B26-1		19	---	---	---	---
B26-2		6.3	---	---	---	---
B27-0	Figure 10	689	61	---	---	---
B27-1		6.9	---	---	---	---
B27-2		5.1	---	---	---	---
B28-0	Figure 13	424	48	---	---	---
B28-1		75	7.9	---	---	---
B28-2		7.5	---	---	---	---

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
ROUTE 101 - SANTA BARBARA PAVEMENT REHABILITATION

Total Lead - EPA Test Method 6010
Soluble Lead (WET,WET-DI, and TCLP) - EPA Test Method 6010
Soil pH - EPA Test Method 9045

Sample ID.	Figure No.	Total Lead	Soluble Lead			pH
			WET	WET-DI	TCLP	
		(mg/kg)	(mg/l)	(mg/l)	(mg/l)	
B29-0	Figure 13	60	11	---	---	---
B29-1		3.5	---	---	---	---
B29-2		2.9	---	---	---	8.2
B30-0	Figure 14	115	8.5	---	---	---
B30-1		11	---	---	---	---
B30-2		9.1	---	---	---	---
B31-0	Figure 14	209	29	---	---	---
B31-1		50	6.1	---	---	8.5
B31-2		43	---	---	---	---
B32-0	Figure 15	227	13	---	---	---
B32-1		507	0.14	---	---	---
B32-2		4	---	---	---	---
B33-0	Figure 16	4	---	---	---	---
B33-1		3.1	---	---	---	---
B33-2		3.3	---	---	---	---
B34-0	Figure 16	513	47	---	---	---
B34-1		132	8.4	---	---	---
B34-2		3.5	---	---	---	---
B35-0	Figure 17	276	22	---	---	---
B35-1		11	---	---	---	---
B35-2		22	---	---	---	6.8
B36-0	Figure 17	288	26	---	---	---
B36-1		22	---	---	---	---
B36-2		2.7	---	---	---	---
B37-0	Figure 18	1170	---	0.11	1.0	---
B37-1		16	---	---	---	---
B37-2		11	---	---	---	---
B38-0	Figure 18	148	6.3	---	---	---
B38-1		3.5	---	---	---	7.9
B38-2		4.9	---	---	---	---
B39-0	Figure 19	504	33	---	---	---
B39-1		45	---	---	---	---
B39-2		4.3	---	---	---	---
B40-0	Figure 21	775	65	< 0.10	0.27	---
B40-1		21	---	---	---	---
B40-2		5.1	---	---	---	---
B41-0	Figure 21	98	5.6	---	---	---
B41-1		7.3	---	---	---	---
B42-0	Figure 22	546	45	---	---	---
B42-1		107	6.4	---	---	---
B43-0	Figure 23	345	12	---	---	7.6
B43-1		7.2	---	---	---	---
B43-2		4.4	---	---	---	---

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
ROUTE 101 - SANTA BARBARA PAVEMENT REHABILITATION

Total Lead - EPA Test Method 6010
Soluble Lead (WET,WET-DI, and TCLP) - EPA Test Method 6010
Soil pH - EPA Test Method 9045

Sample ID.	Figure No.	Total Lead (mg/kg)	Soluble Lead			pH
			WET (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	
B44-0	Figure 23	297	6.0	---	---	---
B44-1		188	18	---	---	---
B44-2		8.4	---	---	---	---
B45-0	Figure 25	338	17	---	---	---
B45-1		6.8	---	---	---	---
B45-2		5.1	---	---	---	---
B46-0	Figure 26	60	2.1	---	---	7.7
B46-1		10	---	---	---	---
B47-0	Figure 29	83	2.0	---	---	---
B47-1		14	---	---	---	---
B47-2		17	---	---	---	---
B48-0	Figure 33	179	7.6	---	---	---
B48-1		9.4	---	---	---	---
B49-0	Figure 17	67	1.9	---	---	---
B49-1		3.3	---	---	---	---
B49-2		4.3	---	---	---	---
B50-0	Figure 16	30	---	---	---	---
B50-1		7.2	---	---	---	---
B50-2		3.9	---	---	---	---
B51-0	Figure 31	435	20	---	---	---
B51-1		6.7	---	---	---	8.7
B51-2		8.2	---	---	---	---
B52-0	Figure 31	98	6.3	---	---	---
B52-1		12	---	---	---	---
B53-0	Figure 33	481	24	---	---	---
B53-1		71	1.9	---	---	---
B53-2		67	4.0	---	---	---
B54-0	Figure 35	237	34	---	---	---
B54-1		11	---	---	---	8.0
B54-2		34	---	---	---	---
B55-0	Figure 35	72	2.2	---	---	---
B55-1		22	---	---	---	---
B55-2		6.8	---	---	---	---
B56-0	Figure 35	16	---	---	---	---
B56-1		4.6	---	---	---	---
B56-2		3.5	---	---	---	---
B57-0	Figure 35	20	---	---	---	---
B57-1		100	3.7	---	---	8.5
B57-2		19	---	---	---	---
B58-0	Figure 36	132	7.8	---	---	---
B58-1		5.6	---	---	---	---
B58-2		4.3	---	---	---	---

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
ROUTE 101 - SANTA BARBARA PAVEMENT REHABILITATION

Total Lead - EPA Test Method 6010
Soluble Lead (WET,WET-DI, and TCLP) - EPA Test Method 6010
Soil pH - EPA Test Method 9045

Sample ID.	Figure No.	Total Lead (mg/kg)	Soluble Lead			pH
			WET (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	
B59-0	Figure 37	693	52	---	---	---
B59-1		447	23	---	---	---
B60-0	Figure 34	736	44	< 0.10	0.37	---
B60-1		3.9	---	---	---	---
B60-2		6.3	---	---	---	---
B61-0	Figure 32	656	43	---	---	7.7
B61-1		81	3.4	---	---	---
B61-2		18	---	---	---	---
B62-0	Figure 32	217	8.9	---	---	---
B62-1		8.7	---	---	---	---
B62-2		4.2	---	---	---	---
B63-0	Figure 30	680	36	---	---	---
B63-1		10	---	---	---	---
B64-0	Figure 27	143	6.1	---	---	---
B64-1		55	1.4	---	---	---
B65-0	Figure 22	630	35	---	---	---
B65-1		15	---	---	---	---
B66-0	Figure 22	448	42	---	---	---
B66-1		154	7.4	---	---	---
B66-2		68	1.9	---	---	---
B67-0	Figure 21	359	24	---	---	7.9
B67-1		18	---	---	---	---
B67-2		8.4	---	---	---	---
B68-0	Figure 21	2020	---	< 0.10	0.97	---
B68-1		203	6.1	---	---	---
B69-0	Figure 21	402	38	---	---	---
B69-1		15	---	---	---	---
B69-2		16	---	---	---	---
B70-0	Figure 19	592	31	---	---	---
B70-1		22	---	---	---	---
B70-2		19	---	---	---	---
B71-0	Figure 16	283	8.2	---	---	---
B71-1		30	---	---	---	---
B71-2		13	---	---	---	---
B72-0	Figure 14	661	26	---	---	---
B72-1		17	---	---	---	---
B72-2		25	---	---	---	---
B73-0	Figure 12	1280	---	< 0.10	0.49	---
B73-1		27	---	---	---	---
B73-2		19	---	---	---	---
B74-0	Figure 11	301	11	---	---	---
B74-1		40	---	---	---	---
B74-2		7.8	---	---	---	---

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
ROUTE 101 - SANTA BARBARA PAVEMENT REHABILITATION

Total Lead - EPA Test Method 6010
Soluble Lead (WET,WET-DI, and TCLP) - EPA Test Method 6010
Soil pH - EPA Test Method 9045

Sample ID.	Figure No.	Total Lead	Soluble Lead			pH
		(mg/kg)	WET (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	
B75-0	Figure 8	592	25	---	---	---
B75-1		17	---	---	---	---
B75-2		9.3	---	---	---	---
B76-0	Figure 7	594	24	---	---	---
B76-1		28	---	---	---	---
B76-2		12	---	---	---	---
B77-0	Figure 27	456	12	---	---	---
B77-1		25	---	---	---	---
B77-2		14	---	---	---	---
B78-0	Figure 28	459	27	---	---	---
B78-1		22	---	---	---	---
M1-3-0	Figure 23	122	7.2	---	---	7.3
M1-3-1		4.6	---	---	---	---
M1-M-0	Figure 23	138	6.8	---	---	---
M1-M-1		33	---	---	---	---
M2-3-0	Figure 24	89	8.1	---	---	5.2
M2-M-0	Figure 24	344	13	---	---	---
M2-M-1		19	---	---	---	---
M2-M-2		1.9	---	---	---	---
M3-3-0	Figure 25	245	8.6	---	---	---
M3-3-1		41	---	---	---	---
M3-M-0	Figure 25	289	7.6	---	---	---
M3-M-1		27	---	---	---	---
M3-M-2		36	---	---	---	---
M4-3-0	Figure 26	869	53	0.17	1.1	---
M4-3-1		7.9	---	---	---	---
M4-M-0	Figure 26	459	20	---	---	---
M4-M-1		36	---	---	---	---
DP1-0	Figure 36	< 5.0	---	---	---	---
DP1-1		< 5.0	---	---	---	---
DP1-2		< 5.0	---	---	---	---
DP2-0	Figure 34	< 5.0	---	---	---	8.74
DP2-1		< 5.0	---	---	---	---
DP2-2		8.1	---	---	---	---
DP3-0	Figure 33	< 5.0	---	---	---	---
DP3-1		< 5.0	---	---	---	---
DP3-2		8.8	---	---	---	---
DP4-0	Figure 33	< 5.0	---	---	---	---
DP4-1		13	---	---	---	---
DP4-2		8.7	---	---	---	8.04
DP5-0	Figure 30	< 5.0	---	---	---	---
DP5-1		8.0	---	---	---	---
DP5-2		< 5.0	---	---	---	---

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
ROUTE 101 - SANTA BARBARA PAVEMENT REHABILITATION

Total Lead - EPA Test Method 6010
Soluble Lead (WET,WET-DI, and TCLP) - EPA Test Method 6010
Soil pH - EPA Test Method 9045

Sample ID.	Figure No.	Total Lead	Soluble Lead			pH
		(mg/kg)	WET (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	
DP6-0	Figure 28	5.6	---	---	---	---
DP6-1		7.1	---	---	---	---
DP6-2		5.7	---	---	---	---
DP7-0	Figure 27	< 5.0	---	---	---	---
DP7-1		7.4	---	---	---	---
DP7-2		13	---	---	---	---
DP8-0	Figure 22	< 5.0	---	---	---	---
DP8-1		< 5.0	---	---	---	---
DP8-2		35	---	---	---	7.62
DP9-0	Figure 21	5.3	---	---	---	---
DP9-1		< 5.0	---	---	---	---
DP9-2		25	---	---	---	---
DP10-0	Figure 17	9.0	---	---	---	---
DP10-1		< 5.0	---	---	---	---
DP10-2		< 5.0	---	---	---	---
DP11-0	Figure 16	13	---	---	---	---
DP11-1		< 5.0	---	---	---	7.84
DP11-2		< 5.0	---	---	---	---
DP12-0	Figure 6	< 5.0	---	---	---	---
DP12-1		< 5.0	---	---	---	---
DP12-2		6.0	---	---	---	---
DP13-0	Figure 3	< 5.0	---	---	---	---
DP13-1		< 5.0	---	---	---	---
DP13-2		< 5.0	---	---	---	---
DP14-0	Figure 2	< 5.0	---	---	---	---
DP14-1		< 5.0	---	---	---	---
DP14-2		7.9	---	---	---	---
DP15-0	Figure 2	< 5.0	---	---	---	8.84
DP15-1		< 5.0	---	---	---	---
DP15-2		6.5	---	---	---	---
DP16-0	Figure 3	< 5.0	---	---	---	---
DP16-1		< 5.0	---	---	---	---
DP16-2		< 5.0	---	---	---	---
DP17-0	Figure 9	< 5.0	---	---	---	---
DP17-1		< 5.0	---	---	---	---
DP17-2		< 5.0	---	---	---	---
DP18-0	Figure 10	< 5.0	---	---	---	---
DP18-1		< 5.0	---	---	---	---
DP18-2		< 5.0	---	---	---	---
DP19-0	Figure 13	< 5.0	---	---	---	---
DP19-1		< 5.0	---	---	---	---
DP19-2		< 5.0	---	---	---	---
DP20-0	Figure 14	< 5.0	---	---	---	---
DP20-1		< 5.0	---	---	---	---
DP20-2		5.9	---	---	---	8.72

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SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
ROUTE 101 - SANTA BARBARA PAVEMENT REHABILITATION

Total Lead - EPA Test Method 6010
Soluble Lead (WET,WET-DI, and TCLP) - EPA Test Method 6010
Soil pH - EPA Test Method 9045

Sample ID.	Figure No.	Total Lead (mg/kg)	Soluble Lead			pH
			WET (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	
DP21-0	Figure 16	< 5.0	---	---	---	---
DP21-1		< 5.0	---	---	---	---
DP21-2		< 5.0	---	---	---	---
DP22-0	Figure 17	< 5.0	---	---	---	8.68
DP22-1		< 5.0	---	---	---	---
DP22-2		< 5.0	---	---	---	---
DP23-0	Figure 22	< 5.0	---	---	---	---
DP23-1		< 5.0	---	---	---	---
DP23-2		5.2	---	---	---	---
DP24-0	Figure 26	< 5.0	---	---	---	---
DP24-1		13	---	---	---	---
DP24-2		8.6	---	---	---	---
DP25-0	Figure 27	< 5.0	---	---	---	---
DP25-1		< 5.0	---	---	---	---
DP25-2		7.1	---	---	---	---
DP26-0	Figure 33	< 5.0	---	---	---	---
DP26-1		8.9	---	---	---	---
DP26-2		< 5.0	---	---	---	---
DP27-0	Figure 37	< 5.0	---	---	---	7.58
DP27-1		< 5.0	---	---	---	---
DP27-2		< 5.0	---	---	---	---
HA1A-0	Figure 2	182	---	---	---	---
HA1A-1		30	---	---	---	---
HA1A-2		18	---	---	---	---
HA1B-0	Figure 2	192	---	---	---	---
HA1B-1		25	---	---	---	---
HA1B-2		17	---	---	---	---
HA2-0	Figure 2	84	---	---	---	---
HA2-1		15	---	---	---	---
HA2-2		6.4	---	---	---	---
HA3-0	Figure 2	70	---	---	---	---
HA3-1		8.1	---	---	---	7.59
HA3-2		< 5.0	---	---	---	---
HA4-0	Figure 9	212	---	---	---	---
HA4-1		19	---	---	---	---
HA5-0	Figure 9	129	---	---	---	---
HA5-1		12	---	---	---	---
HA6-0	Figure 9	463	---	---	---	---
HA6-1		14	---	---	---	---
HA6-2		10	---	---	---	7.66
HA7-0	Figure 9	734	---	---	---	---
HA7-1		9.3	---	---	---	---
HA7-2		14	---	---	---	---
HA8-0	Figure 13	108	---	---	---	---
HA8-1		8.7	---	---	---	---

TABLE 1
SUMMARY OF ANALYTICAL LABORATORY TEST RESULTS
ROUTE 101 - SANTA BARBARA PAVEMENT REHABILITATION

Total Lead - EPA Test Method 6010
Soluble Lead (WET,WET-DI, and TCLP) - EPA Test Method 6010
Soil pH - EPA Test Method 9045

Sample ID.	Figure No.	Total Lead (mg/kg)	Soluble Lead			pH
			WET (mg/l)	WET-DI (mg/l)	TCLP (mg/l)	
HA9-0	Figure 13	77	---	---	---	---
HA9-1		9.2	---	---	---	---
HA10A-0	Figure 36	536	---	---	---	---
HA10A-1		30	---	---	---	8.09
HA10A-2		7.5	---	---	---	---
HA10B-0	Figure 36	477	---	---	---	---
HA10B-1		30	---	---	---	---
HA10B-2		9.1	---	---	---	---
HA11A-0	Figure 27	211	---	---	---	---
HA11A-1		54	---	---	---	---
HA11A-2		10	---	---	---	---
HA11B-0	Figure 27	216	---	---	---	---
HA11B-1		51	---	---	---	---
HA11B-2		15	---	---	---	---
HA12A-0	Figure 22	281	---	---	---	7.04
HA12A-1		5.4	---	---	---	---
HA12A-2		< 5.0	---	---	---	---
HA12B-0	Figure 22	269	---	---	---	---
HA12B-1		< 5.0	---	---	---	---
HA12B-2		< 5.0	---	---	---	---
HA13A-0	Figure 21	370	---	---	---	---
HA13A-1		12	---	---	---	---
HA13B-0	Figure 21	417	---	---	---	---
HA13B-1		14	---	---	---	8.43
HA14A-0	Figure 17	86	---	---	---	---
HA14A-1		24	---	---	---	---
HA14B-0	Figure 17	70	---	---	---	---
HA14B-1		24	---	---	---	---
HA15A-0	Figure 16	129	---	---	---	---
HA15A-1		31	---	---	---	---
HA15A-2		6.0	---	---	---	---
HA15B-0	Figure 16	129	---	---	---	---
HA15B-1		34	---	---	---	---
HA15B-2		7.1	---	---	---	---
HA16A-0	Figure 10	144	---	---	---	7.45
HA16A-1		8.7	---	---	---	---
HA16B-0	Figure 10	211	---	---	---	---
HA16B-1		14	---	---	---	---
HA17A-0	Figure 10	110	---	---	---	---
HA17A-1		< 5.0	---	---	---	---
HA17B-0	Figure 10	54	---	---	---	---
HA17B-1		< 5.0	---	---	---	---

Notes:

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

--- = Analysis not performed

TABLE 2
LEAD STATISTICS
ROUTE 101 - SANTA BARBARA PAVEMENT REHABILATION

UCLs for the Total Lead Mean (per SW-846) and Their Predicted Soluble (WET) Lead Concentrations

Exposed Soil Along Shoulders

Excavation Scenario	90% UCL* (mg/kg)	Predicted Soluble Lead (mg/l)	95% UCL** (mg/kg)	Predicted Soluble Lead (mg/l)
Surface to 1 foot	371	**23**	384	**24**
Underlying soil (1 to 3 feet)	*37*	*2.3*	*40*	*2.5*
Surface to 2 feet	216	**13**	224	**14**
Underlying soil (2 to 3 feet)	*14*	*0.87*	*15*	*0.94*
Surface to 3 feet	148	**9.2**	154	**10**

Soil Under Pavement

Excavation Scenario	90% UCL* (mg/kg)	Predicted Soluble Lead (mg/l)	95% UCL** (mg/kg)	Predicted Soluble Lead (mg/l)
Surface to 1 foot	4.5	< 0.10	4.8	< 0.10
Underlying soil (1 to 3 feet)	*7.9*	*< 0.10*	*8.6*	*< 0.10*
Surface to 2 feet	5.2	< 0.10	5.5	< 0.10
Underlying soil (2 to 3 feet)	*10*	*< 0.10*	*11*	*< 0.10*
Surface to 3 feet	6.8	< 0.10	7.3	< 0.10

Notes:

* = According to Julia Turney with at Caltrans' Headquarters, 90% UCL applicable if soil will be reused on-site

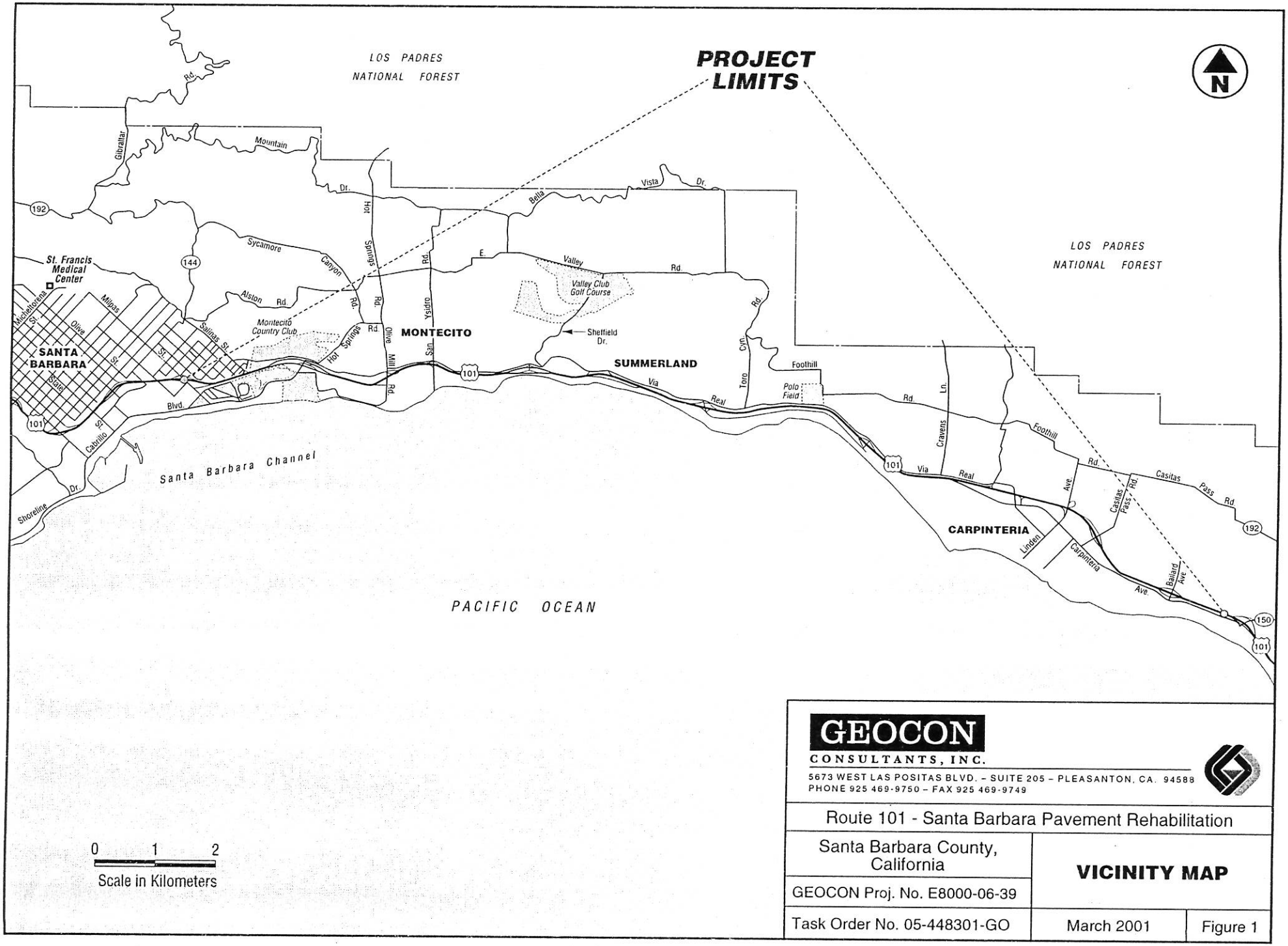
** = According to Julia Turney, 95% UCL applicable if soil will be relinquished to contractor for re-use off-site or disposal.

mg/kg = milligrams per kilogram

mg/l = miligrams per liter

Soluble lead concentrations were predicted using the equation of the regression line (y = 0.0624x).

Concentrations shown in **bold** are equal to or greater than the lead STLC of 5.0 mg/l.



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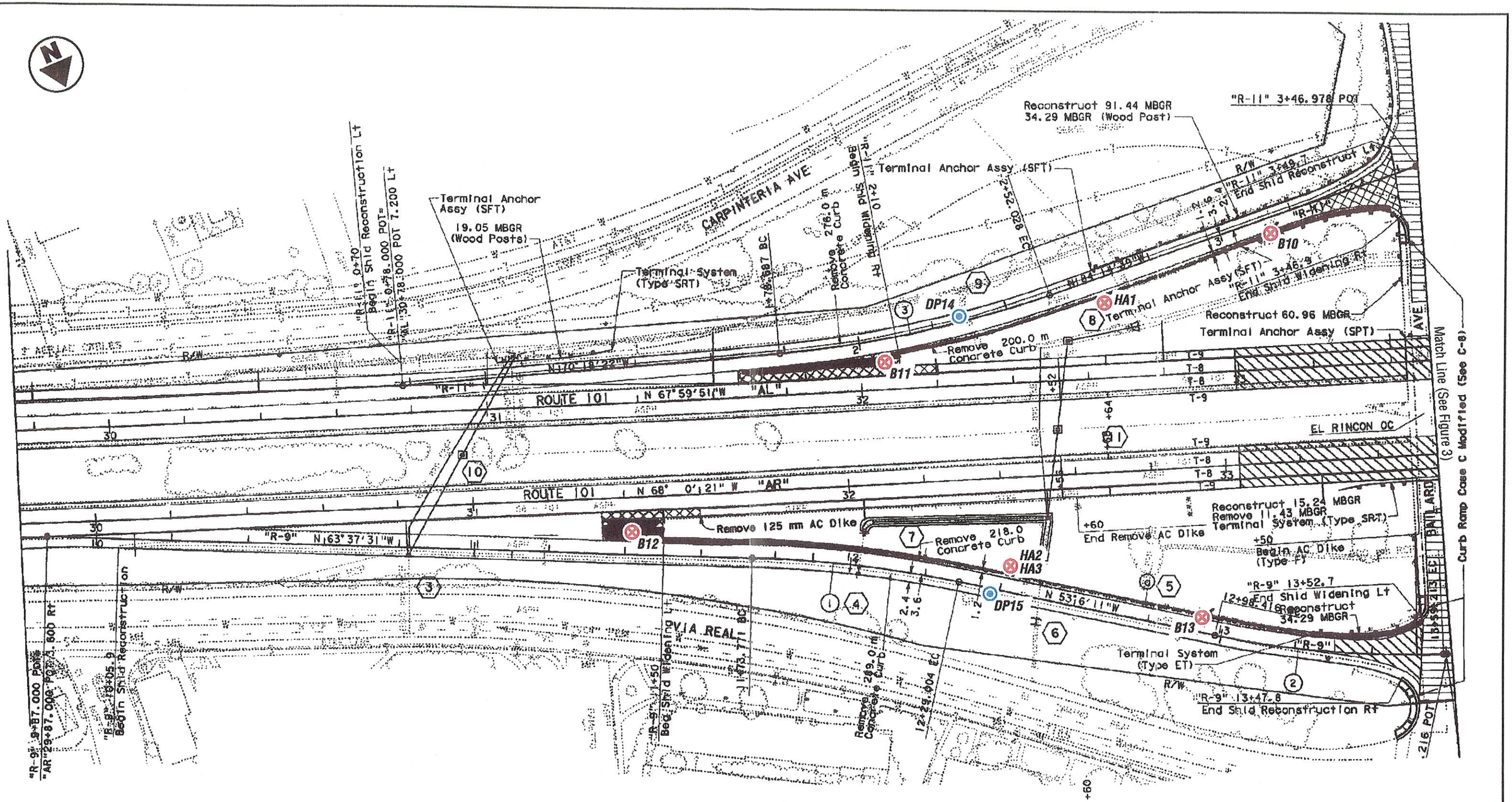
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

VICINITY MAP

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 1



LEGEND:

- ⊗ Approximate Hand-Auger Boring Location
- ◉ Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

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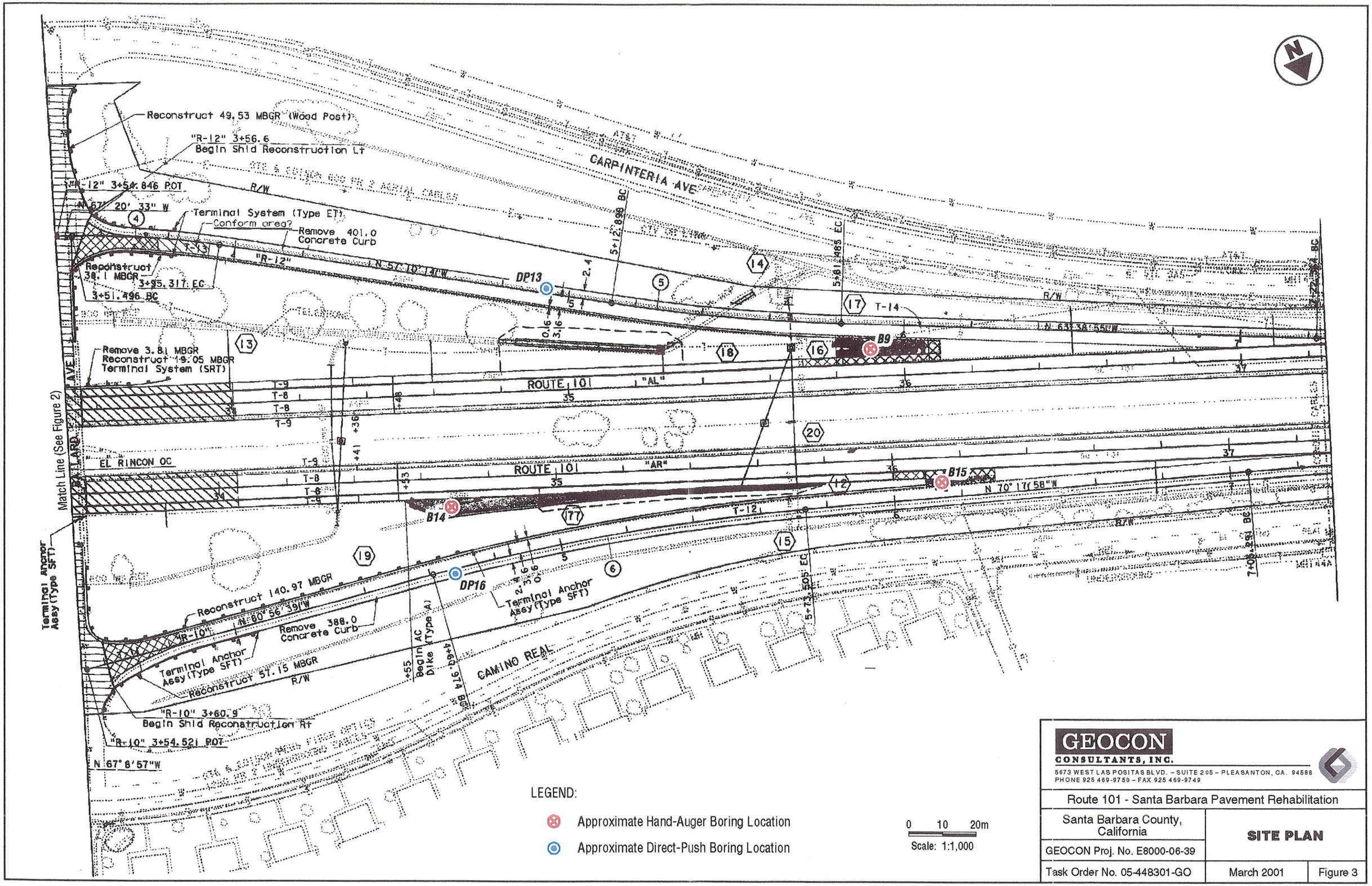
Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 2



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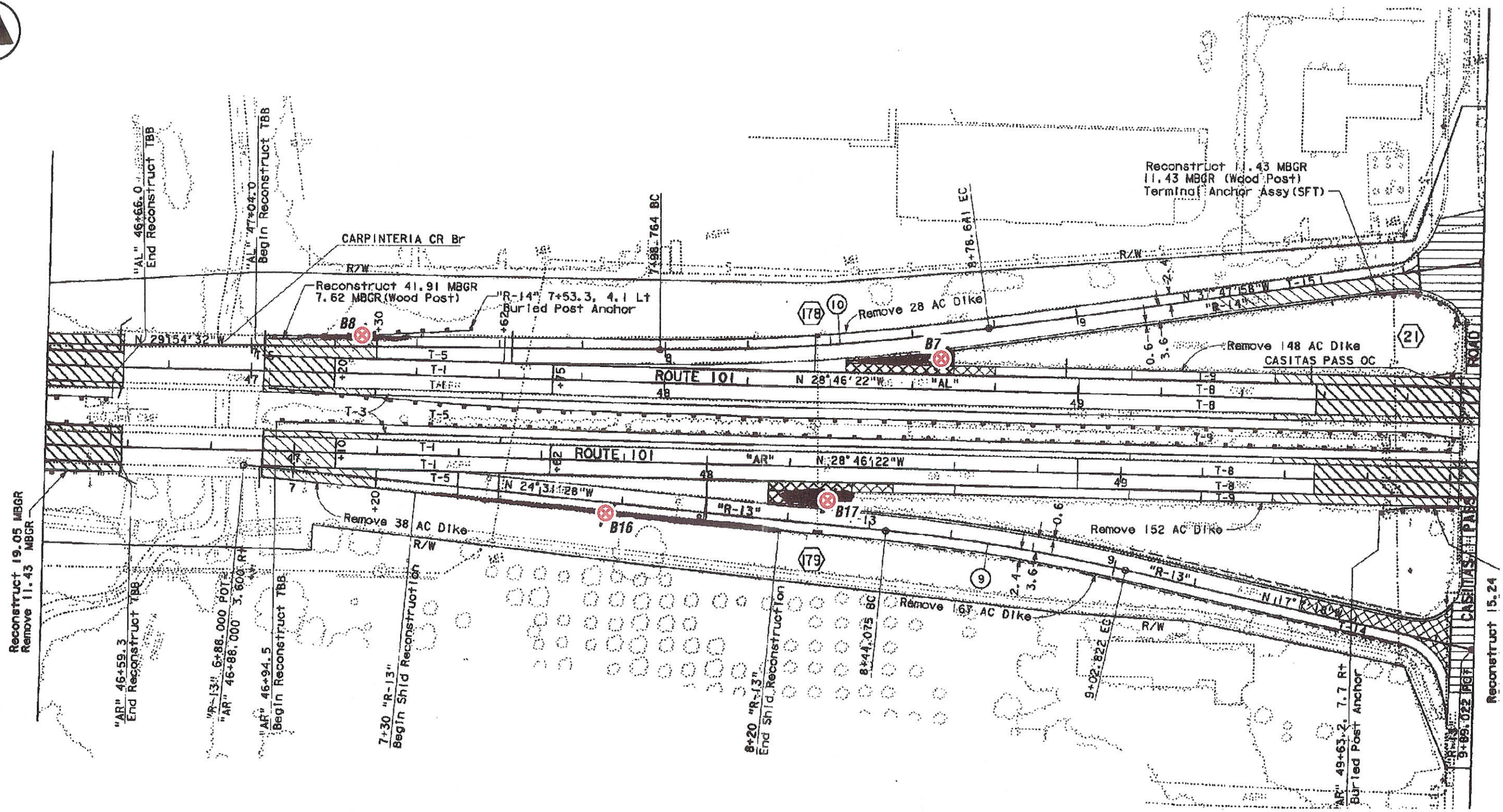
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**
GEOCON Proj. No. E8000-06-39	
Task Order No. 05-448301-GO	March 2001 — Figure 3



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

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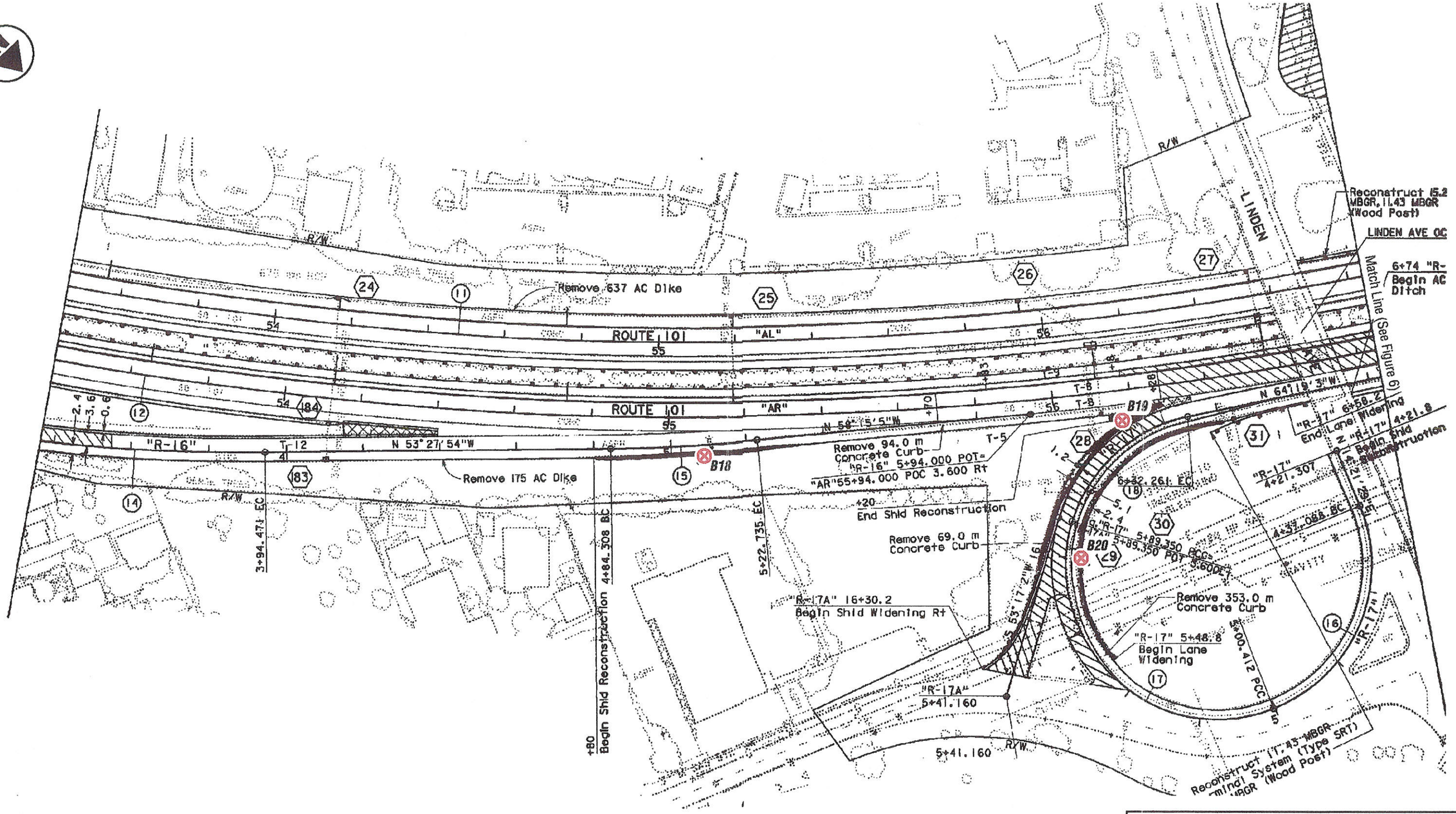
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 4



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

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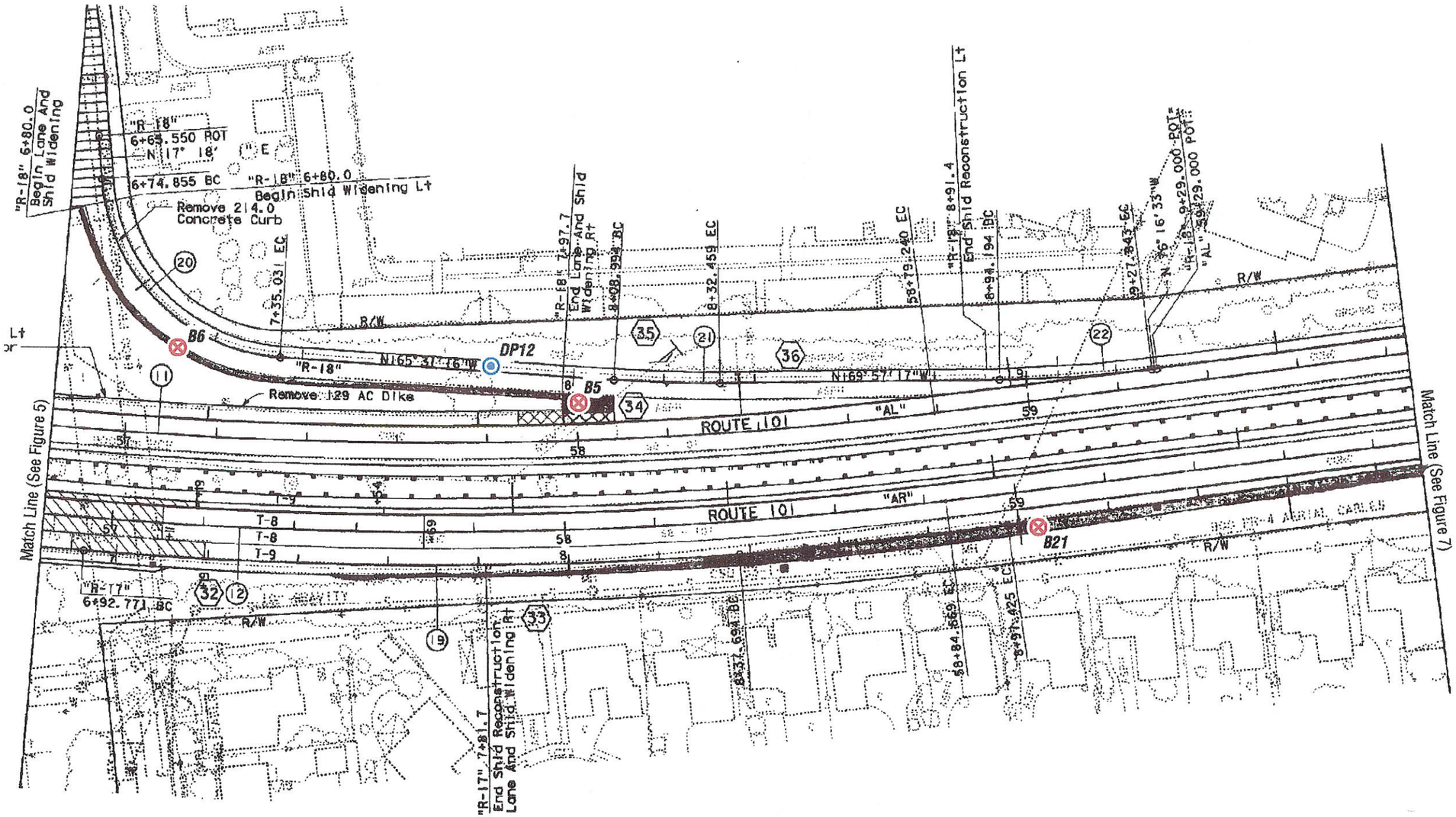
Route 101 - Santa Barbara Pavement Rehabilitation	
Santa Barbara County, California	**SITE PLAN**
GEOCON Proj. No. E8000-06-39	
Task Order No. 05-448301-GO	March 2001 — Figure 5



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

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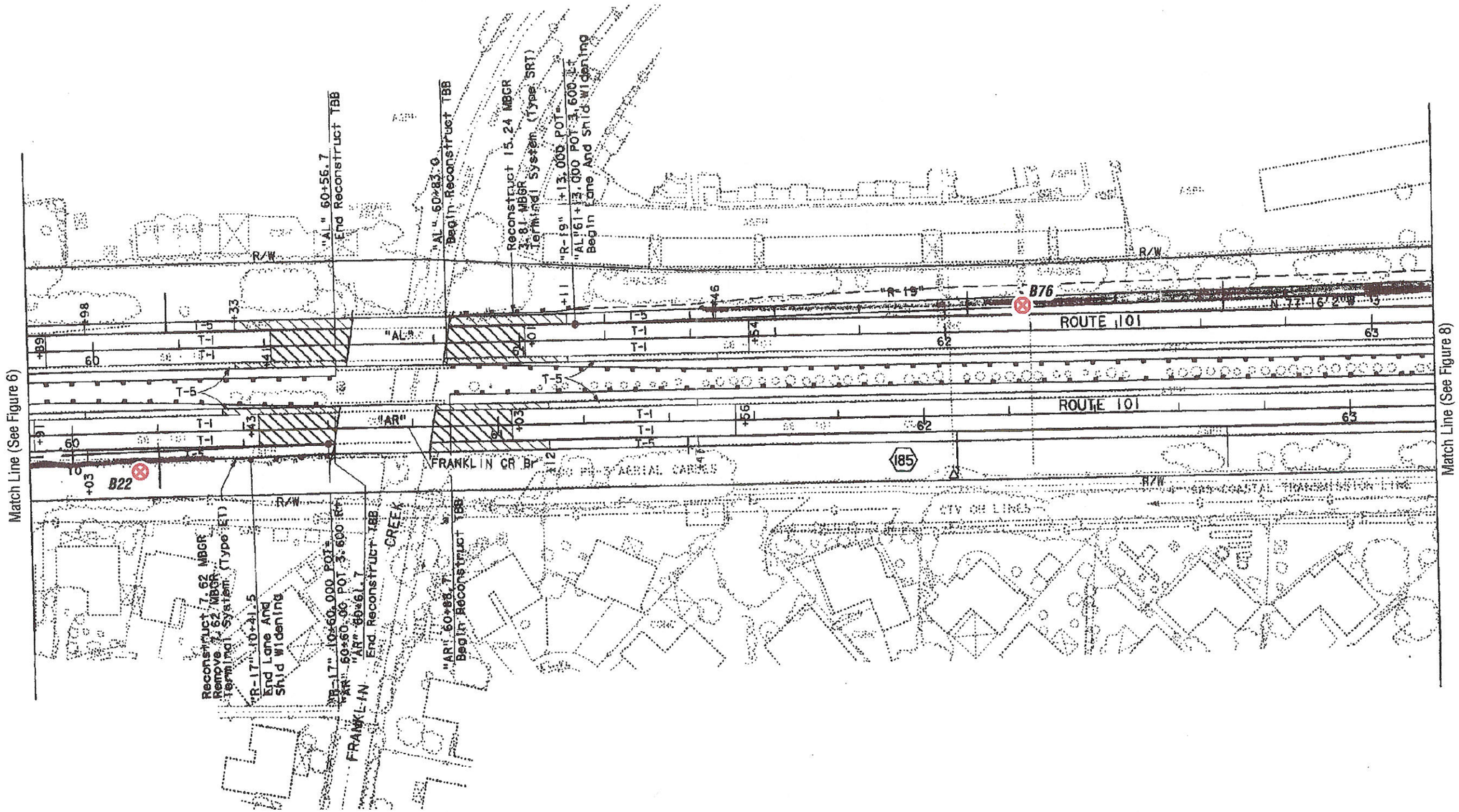
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 6



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

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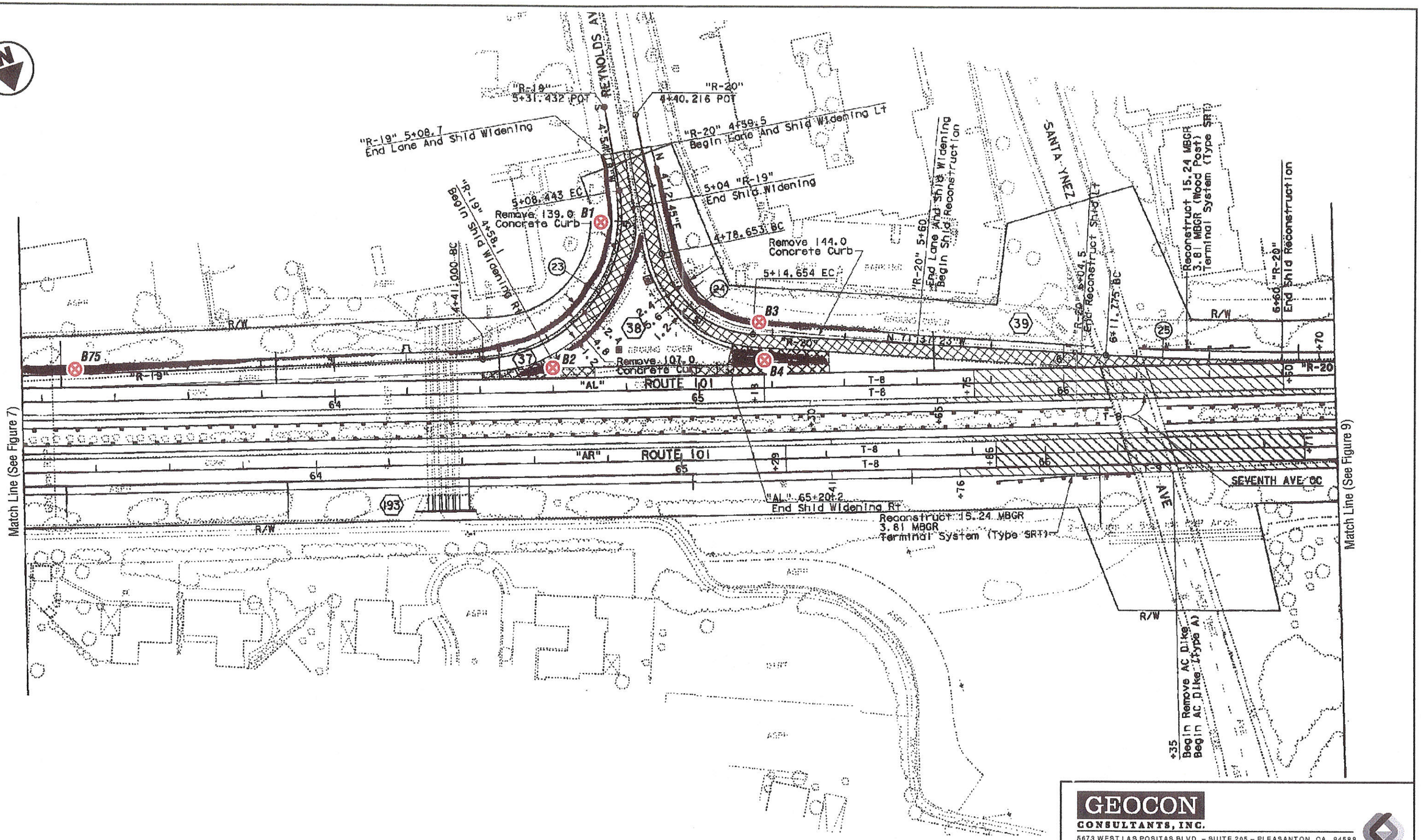
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 7



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

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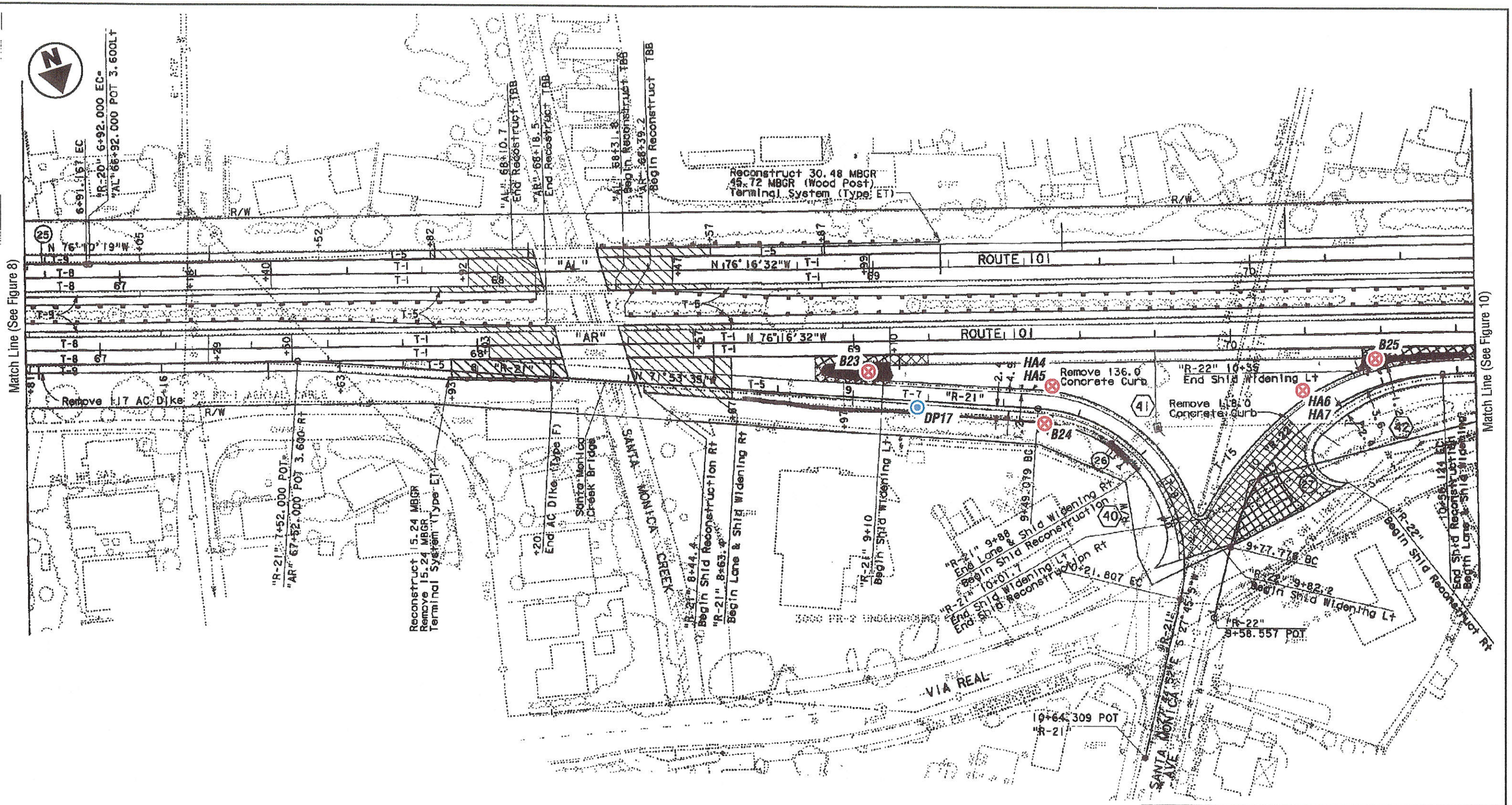
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 8



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

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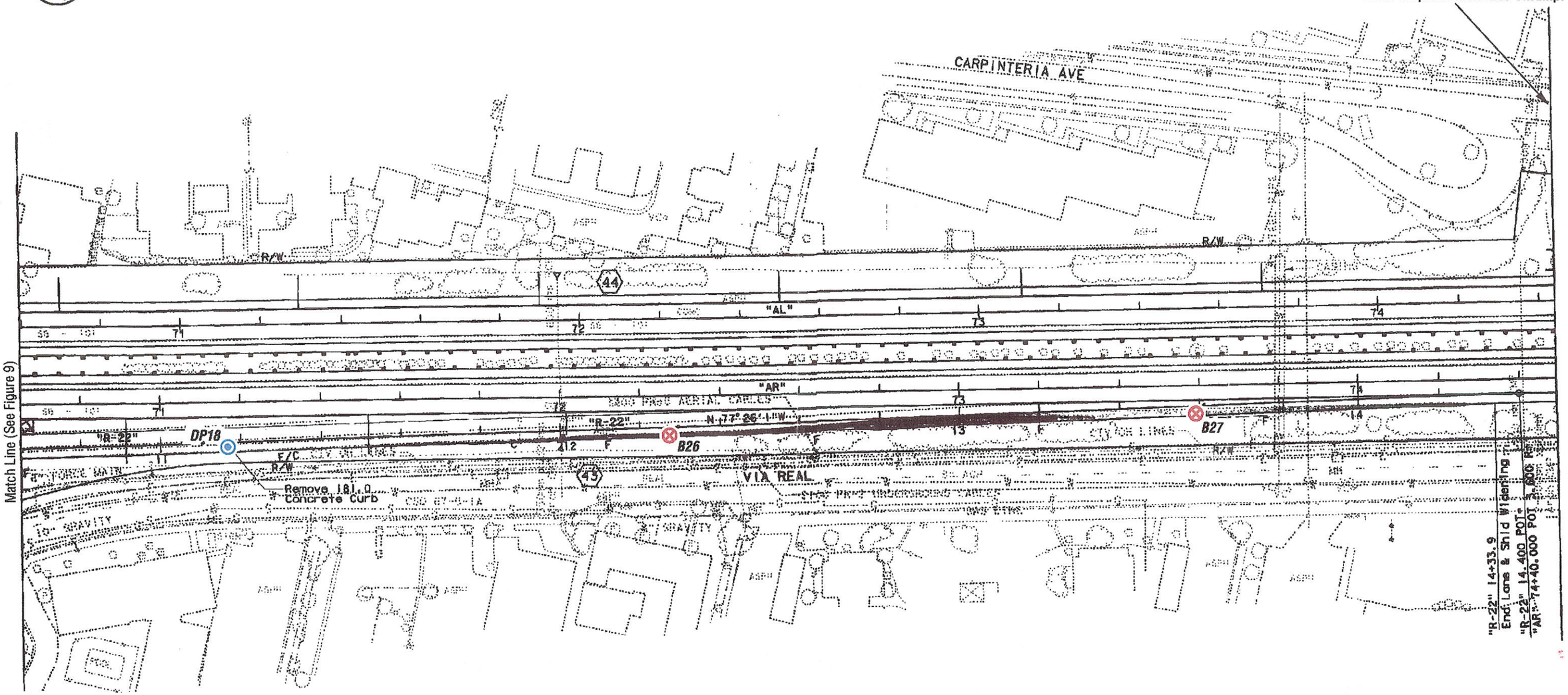
Route 101 - Santa Barbara Pavement Rehabilitation		
Santa Barbara County, California	SITE PLAN	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 9

Note: Borings HA16 and HA17 were advanced adjacent to the shoulder of the Carpenteria Avenue Offramp.



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

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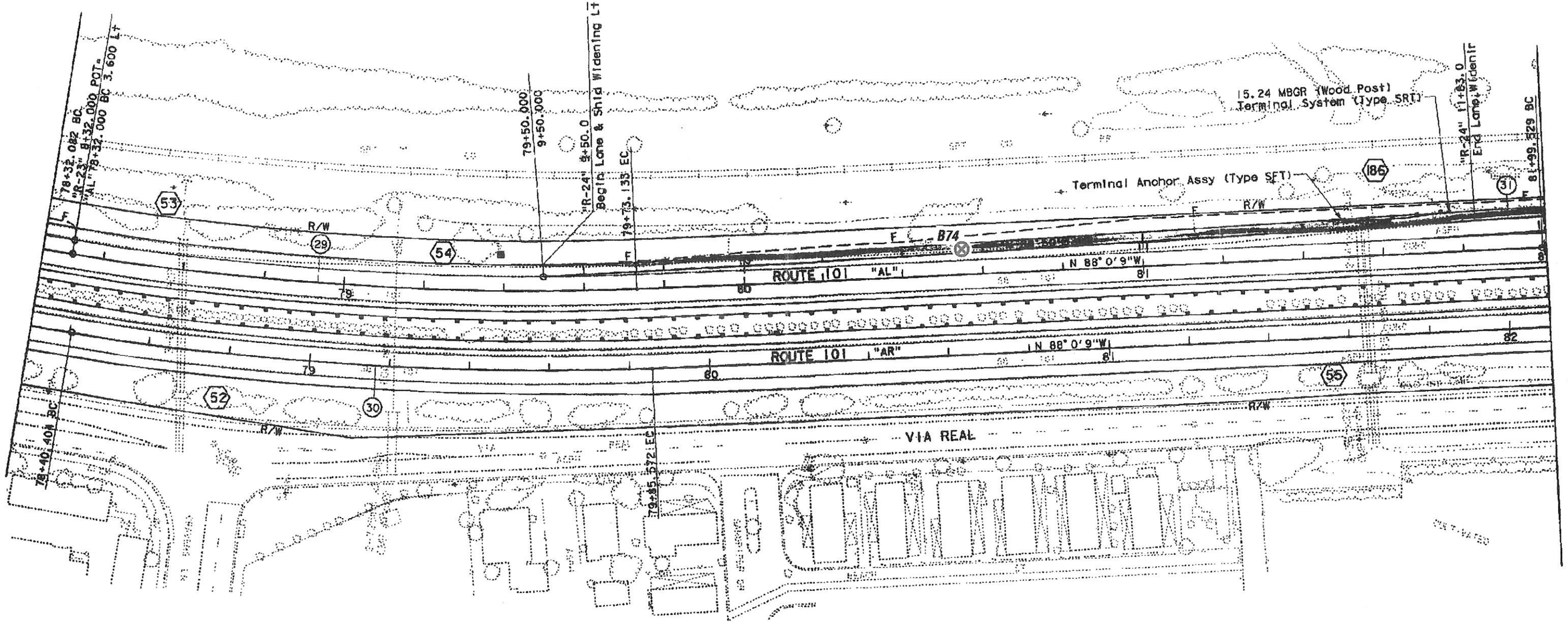
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 10



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

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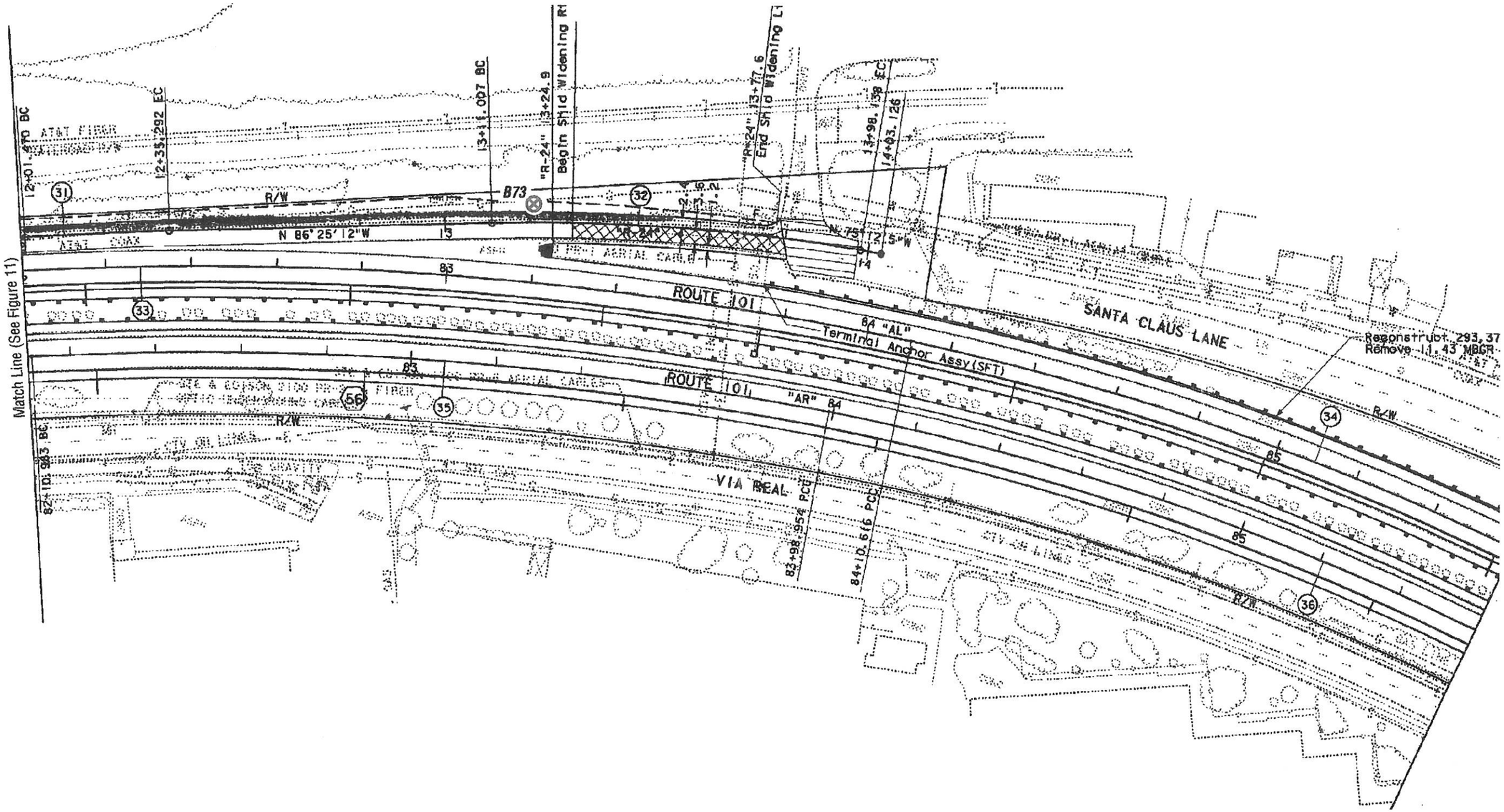
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 11



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

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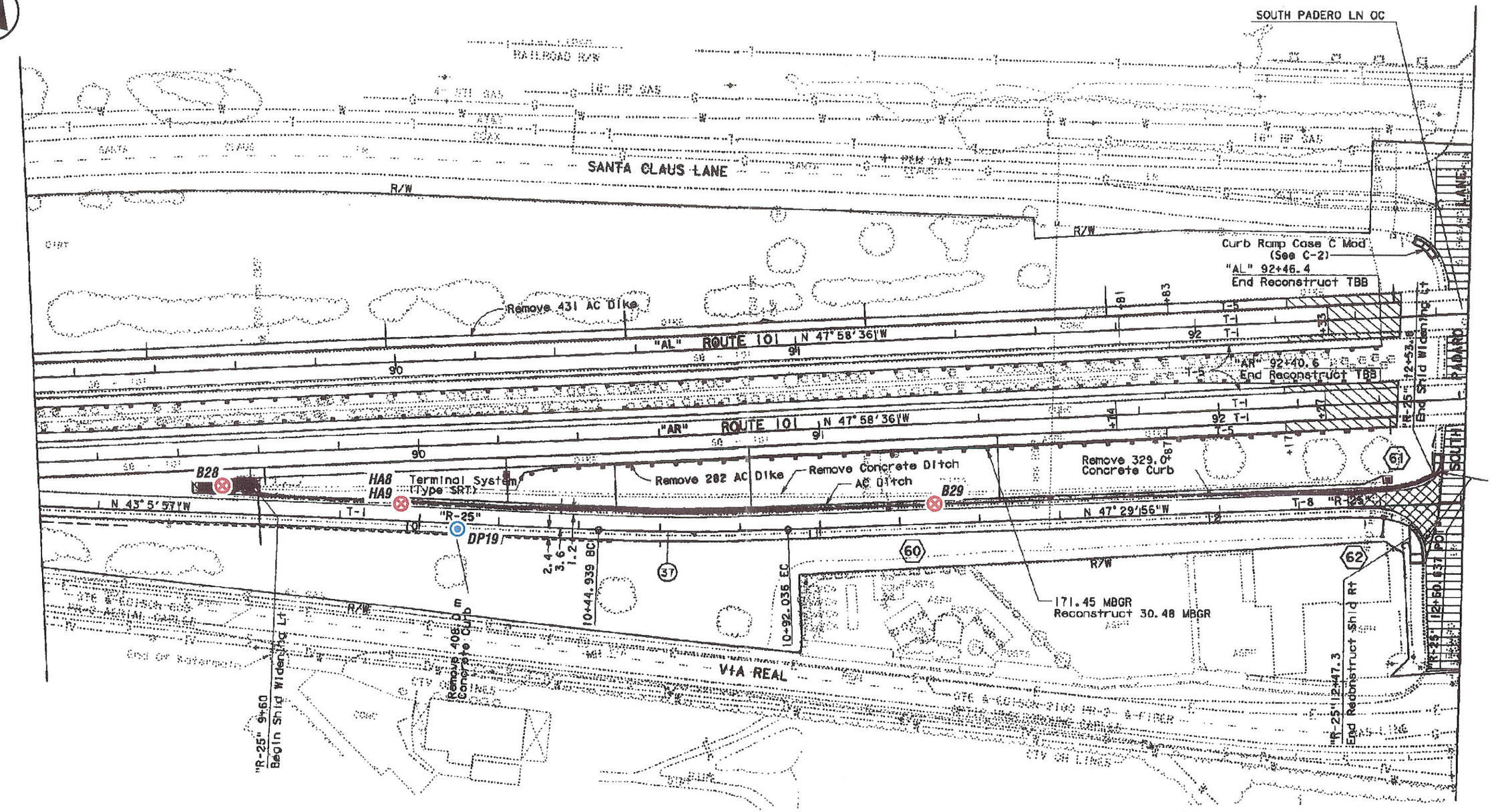
Route 101 - Santa Barbara Pavement Rehabilitation		
Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 12



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

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Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 13

LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

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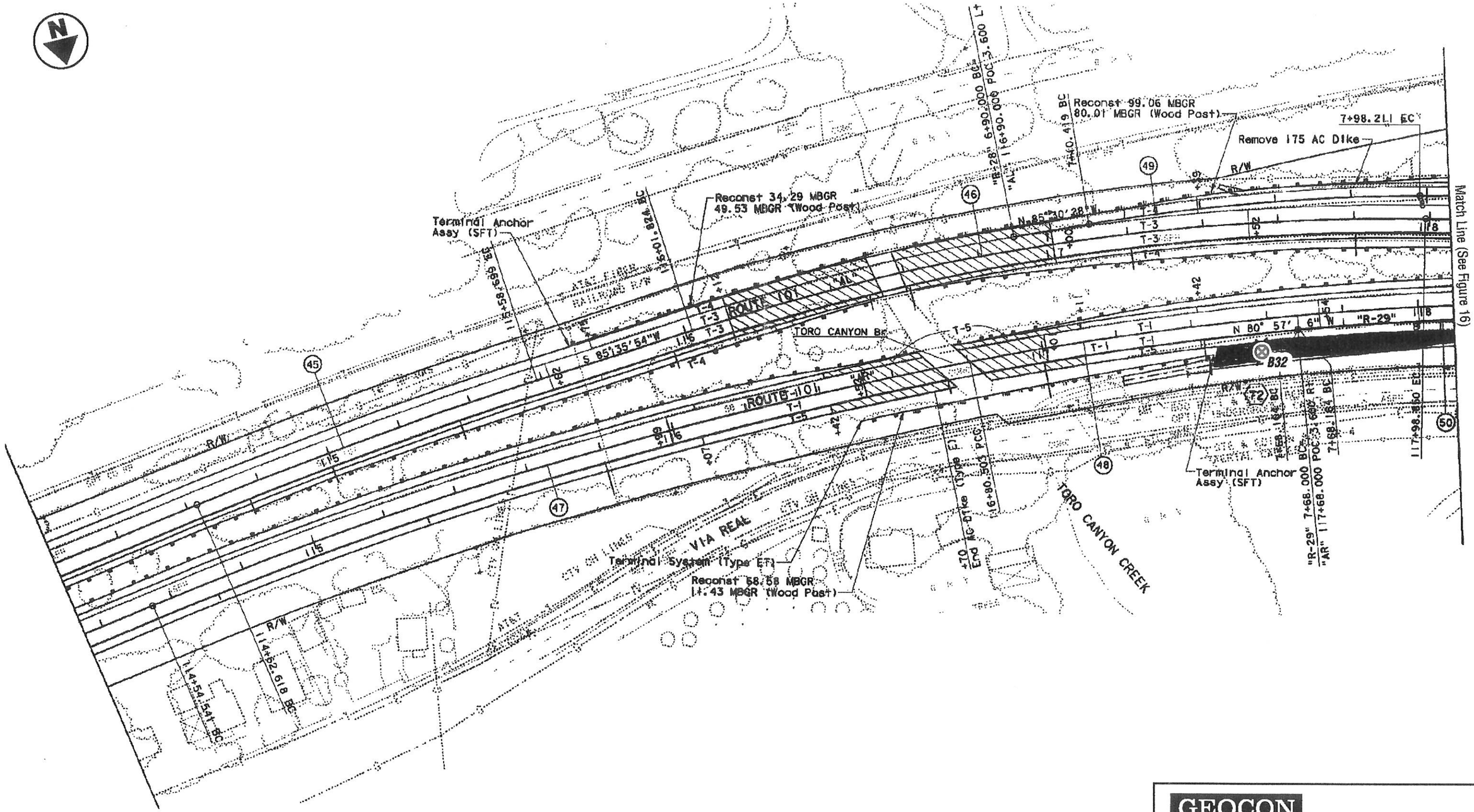
Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 14



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

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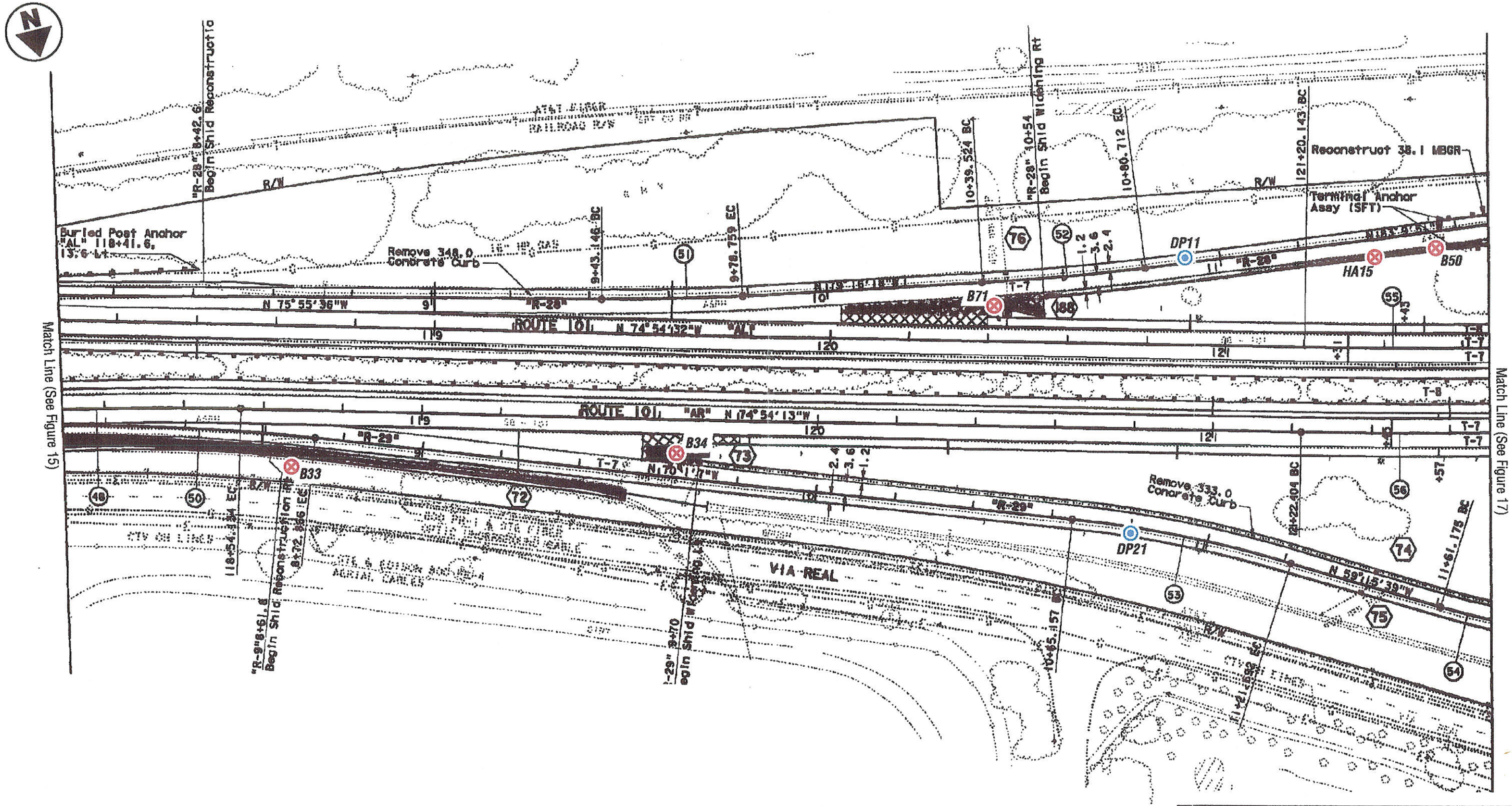
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 15



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

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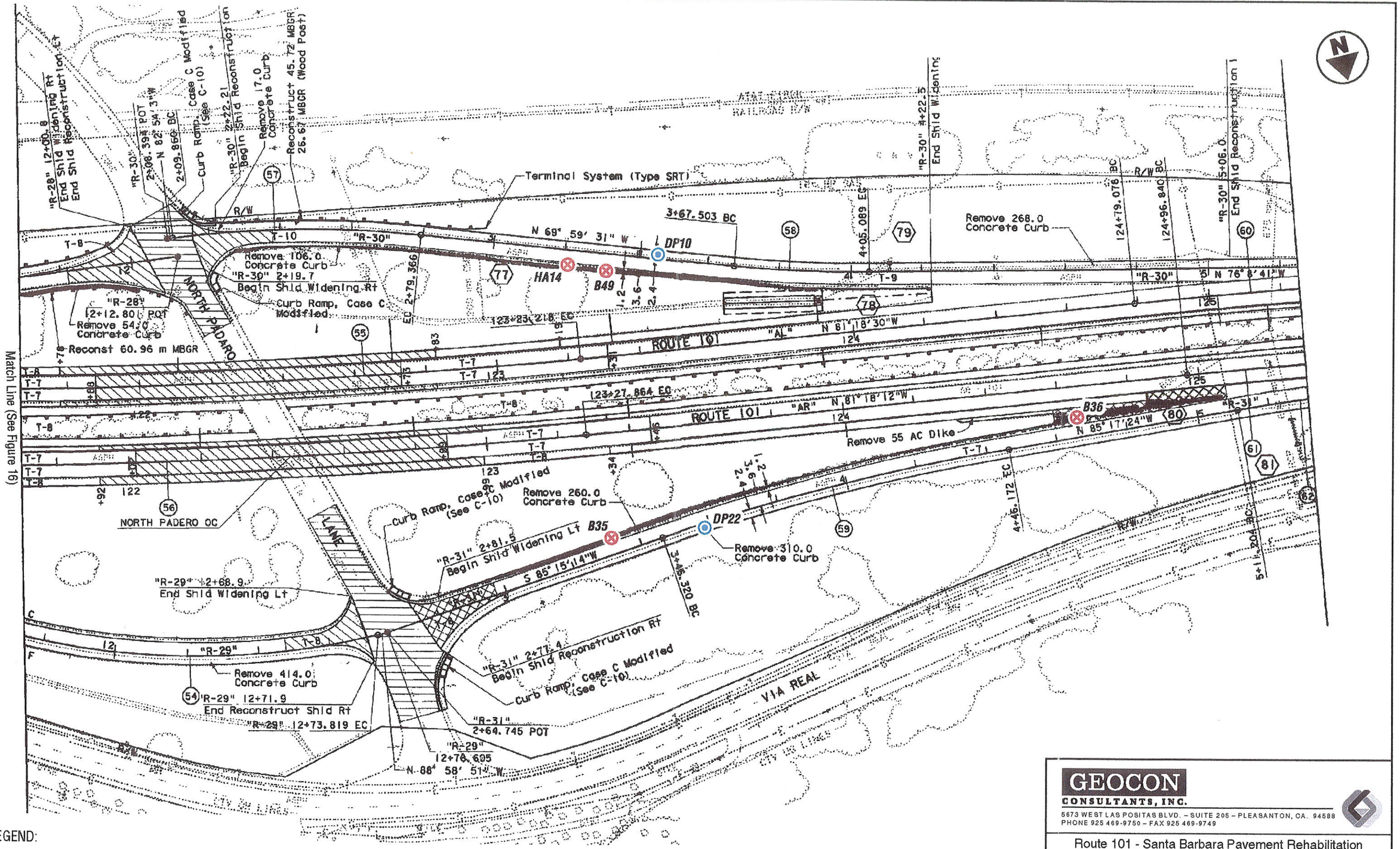
Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 16



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

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Route 101 - Santa Barbara Pavement Rehabilitation

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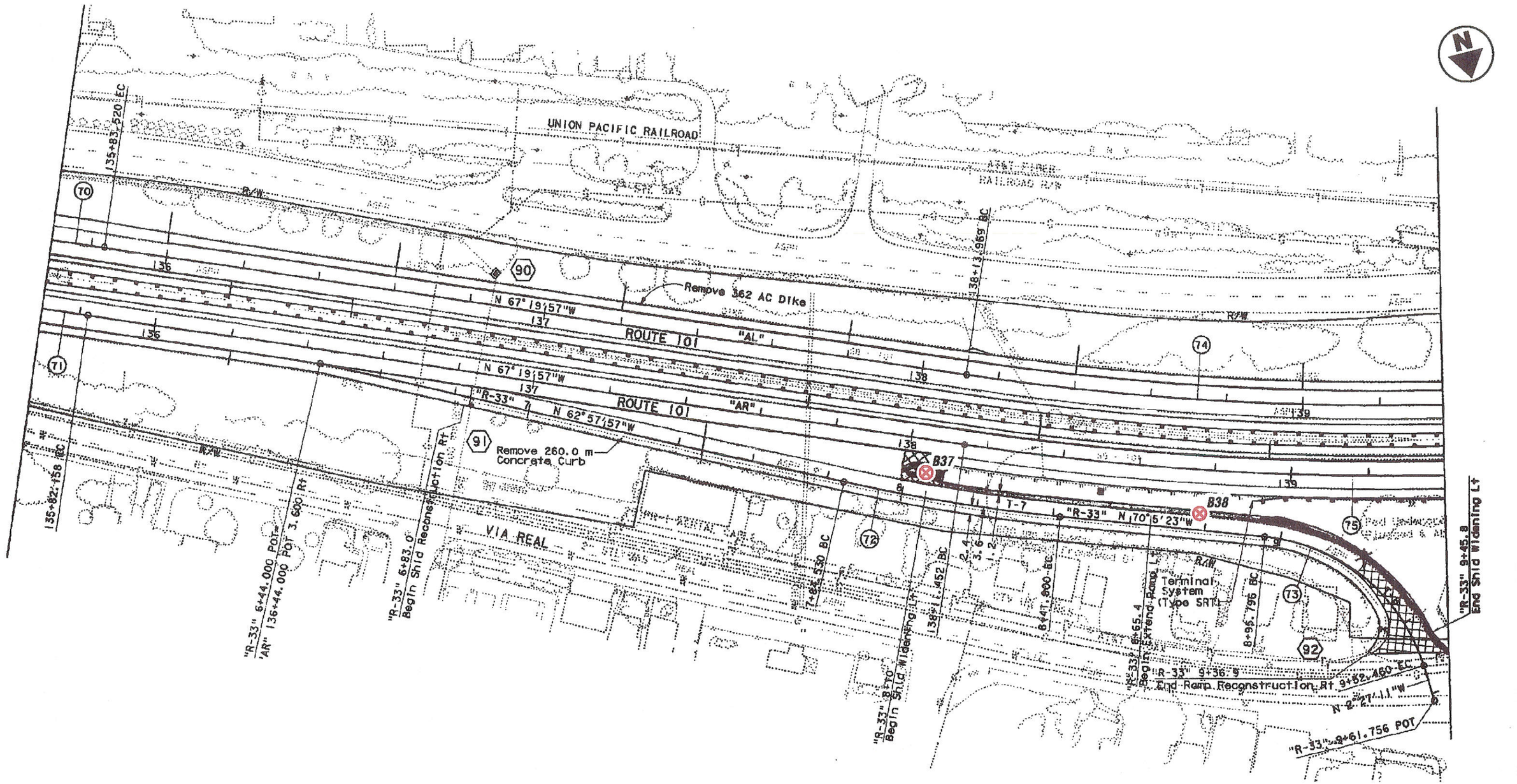
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 17



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

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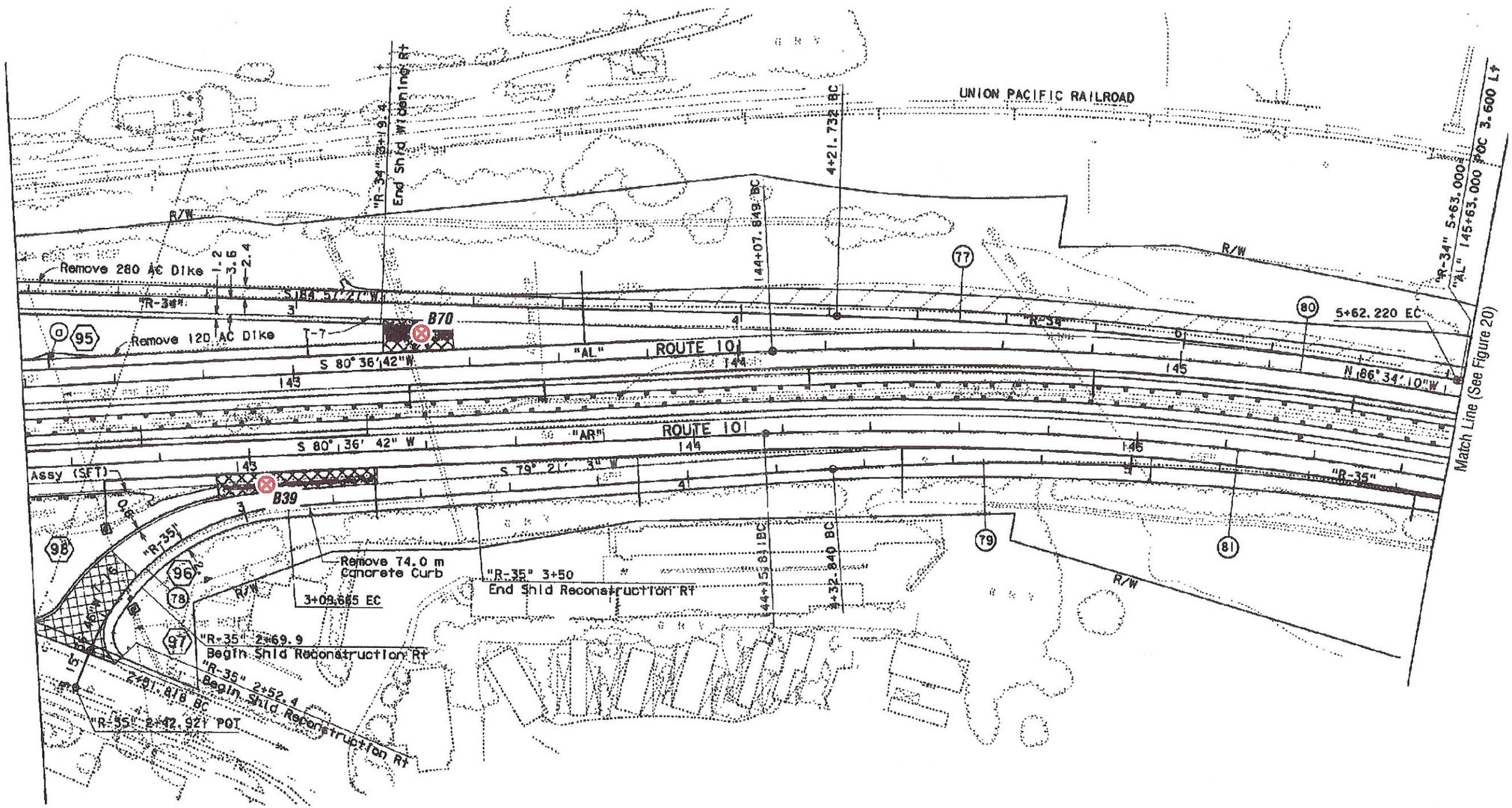
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 18



LEGEND:

⊗ Approximate Hand-Auger Boring Location

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Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

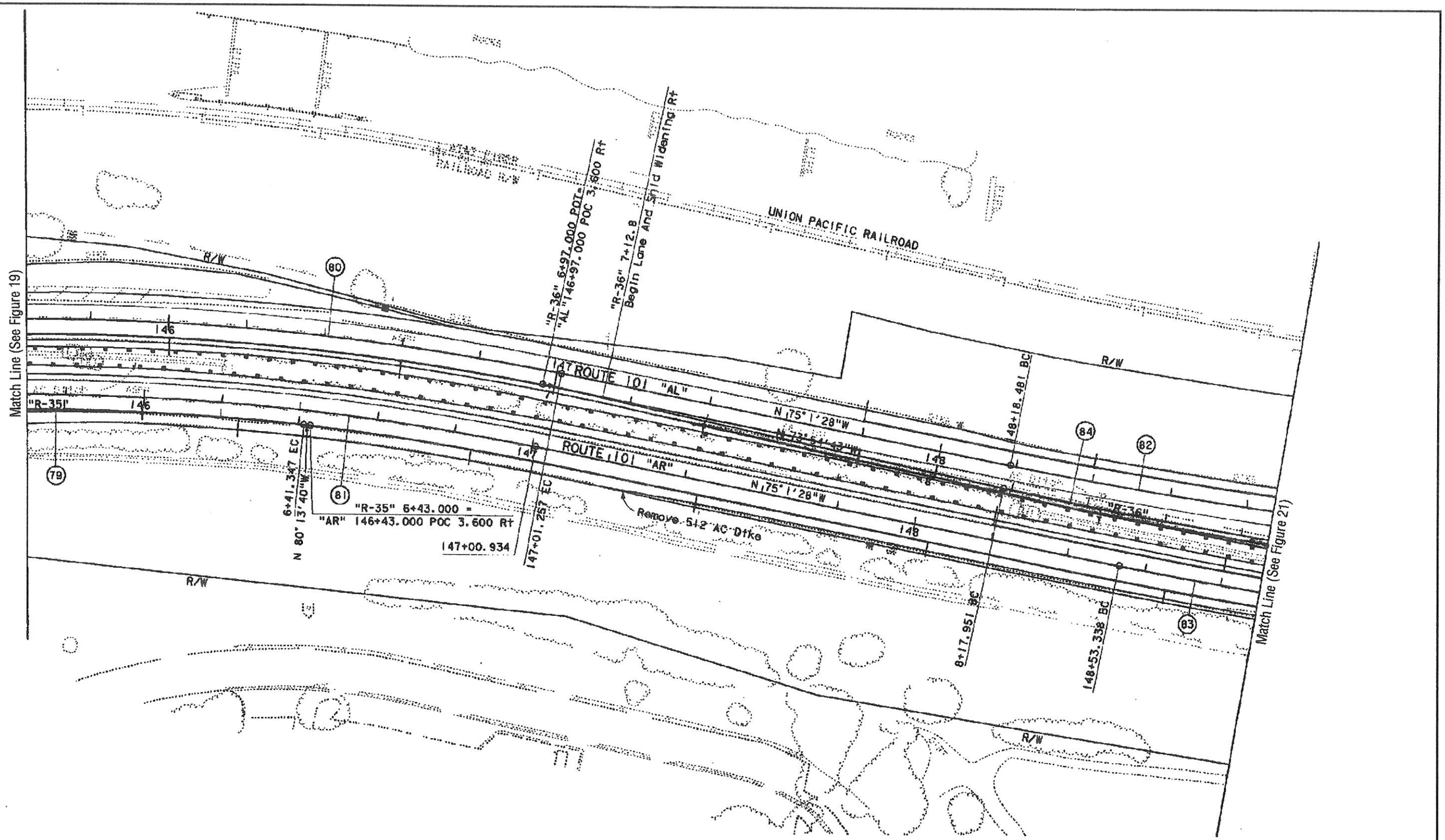
GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO

SITE PLAN

March 2001

Figure 19



0 10 20m

Scale: 1:1,000

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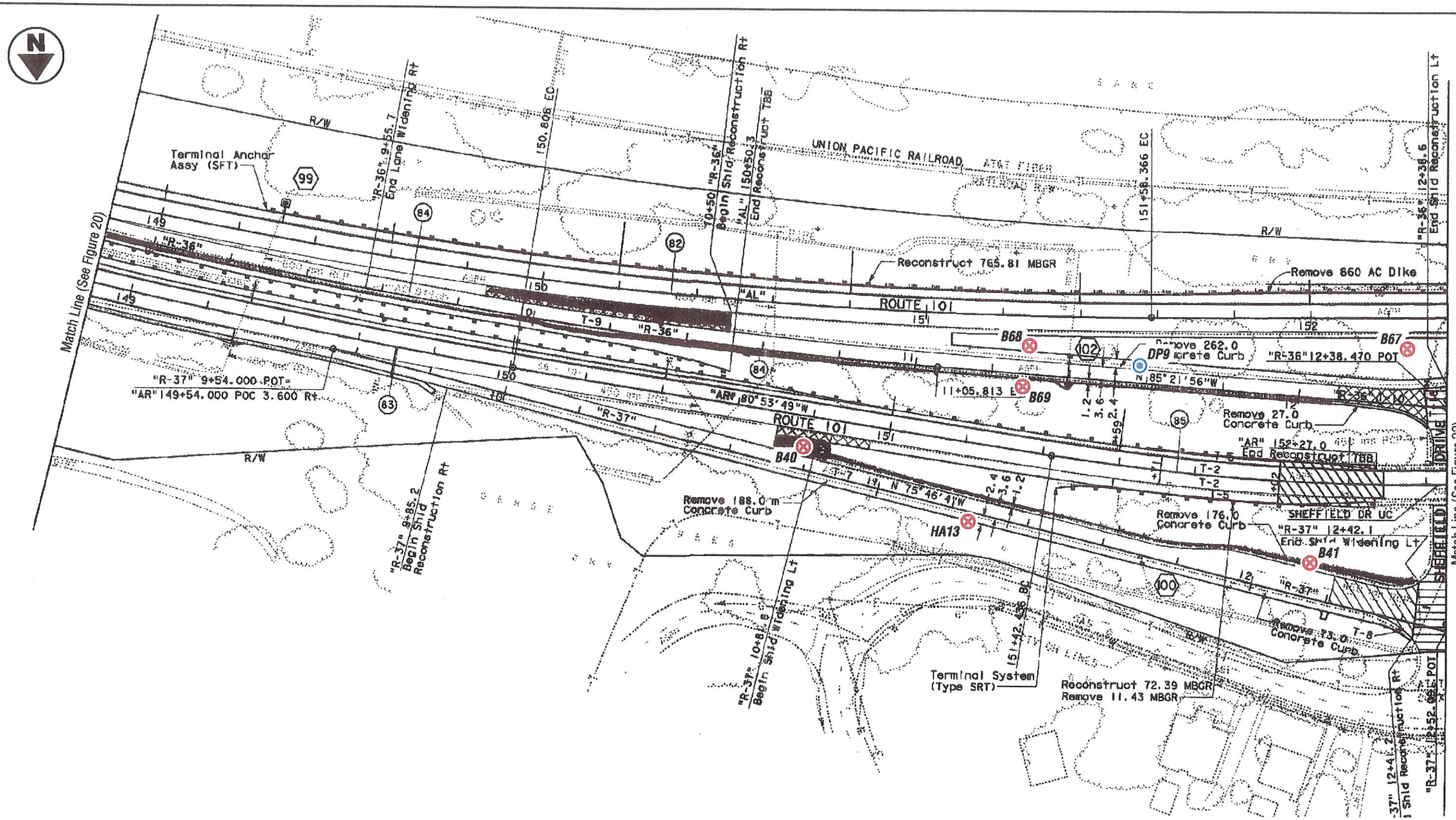
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 20



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

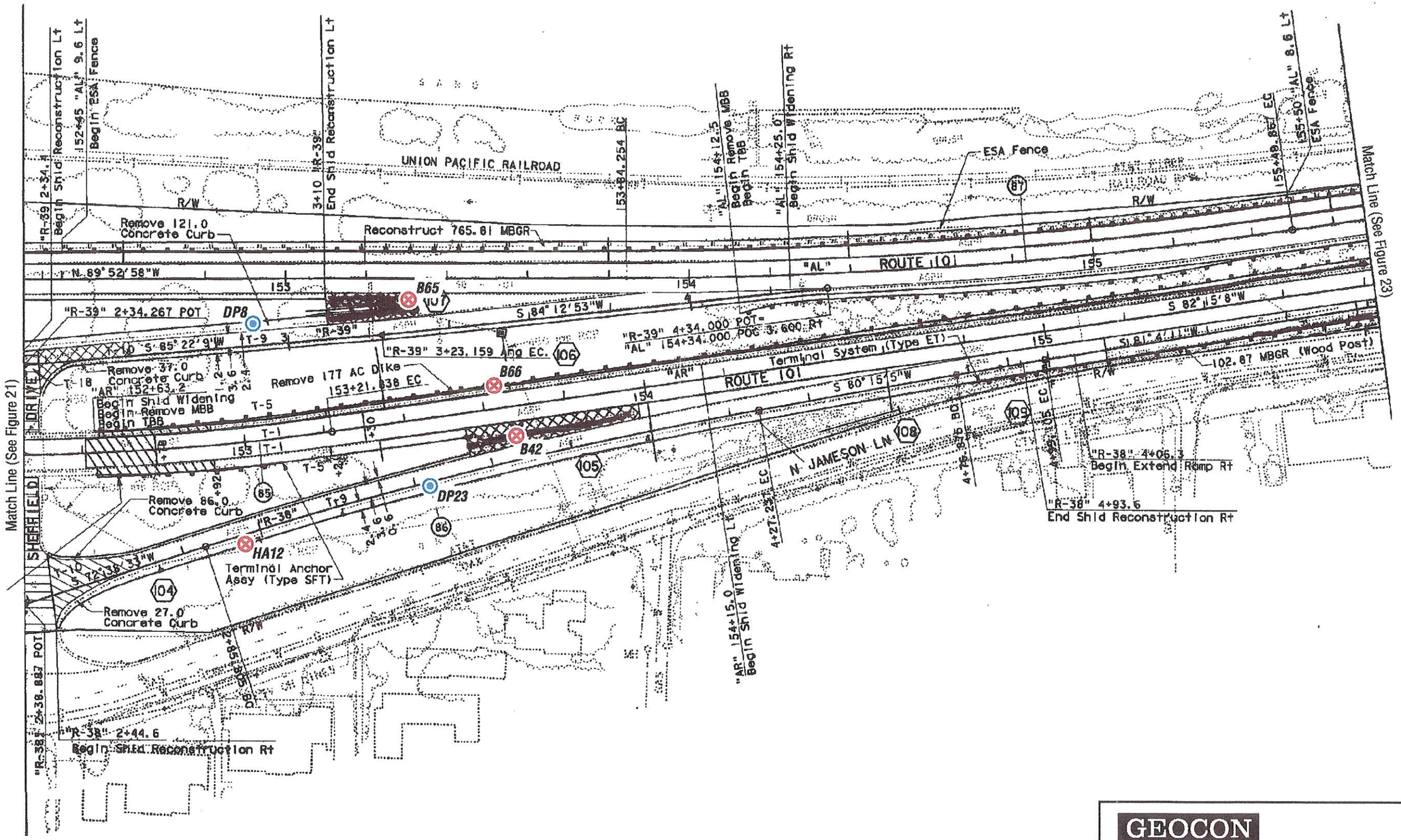
0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
PHONE 925 469-9750 – FAX 925 469-9749

Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 21



LEGEND:

- ⊗ Approximate Hand-Auger Boring Location
- ◎ Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
PHONE 925 469-9750 – FAX 925 469-9749

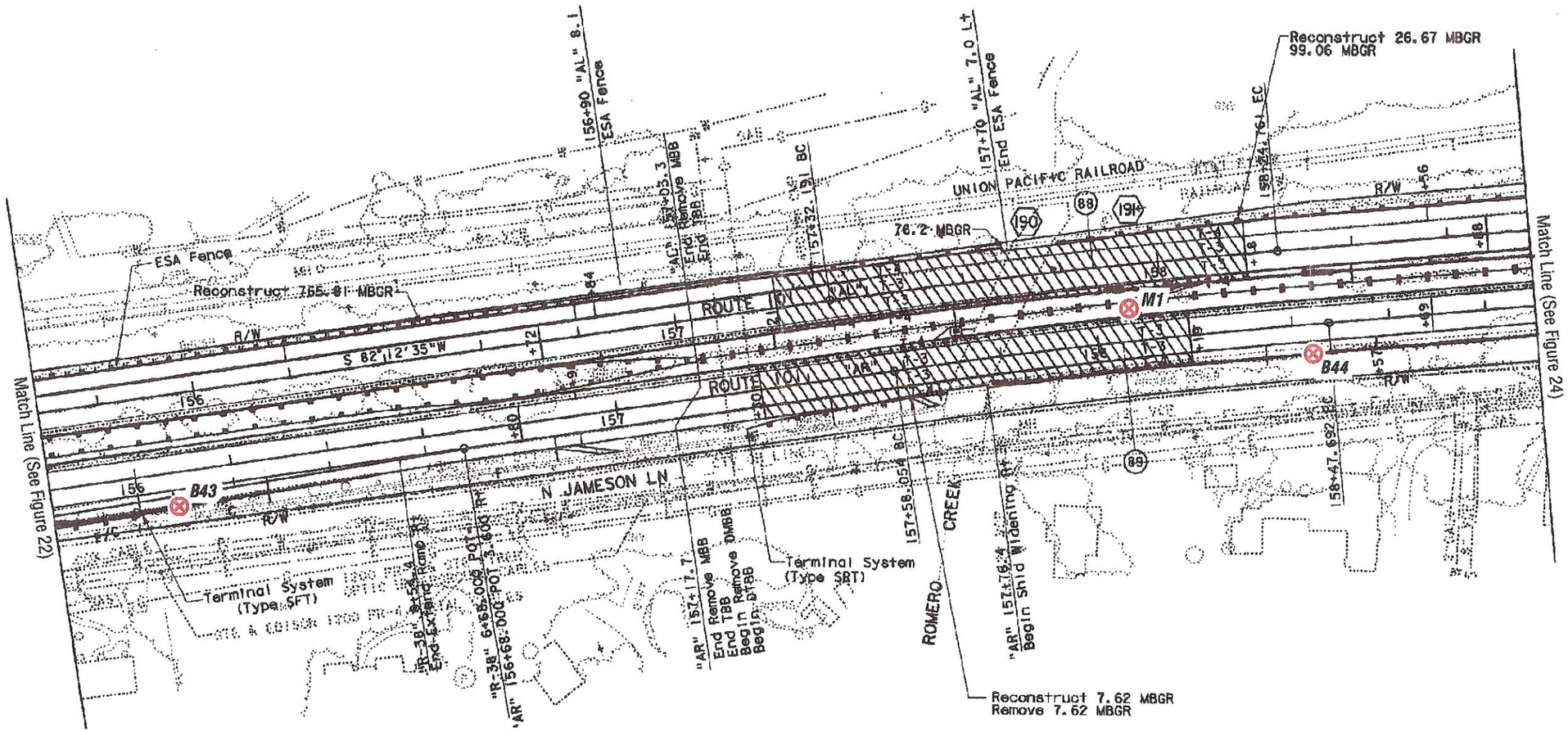
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 22



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
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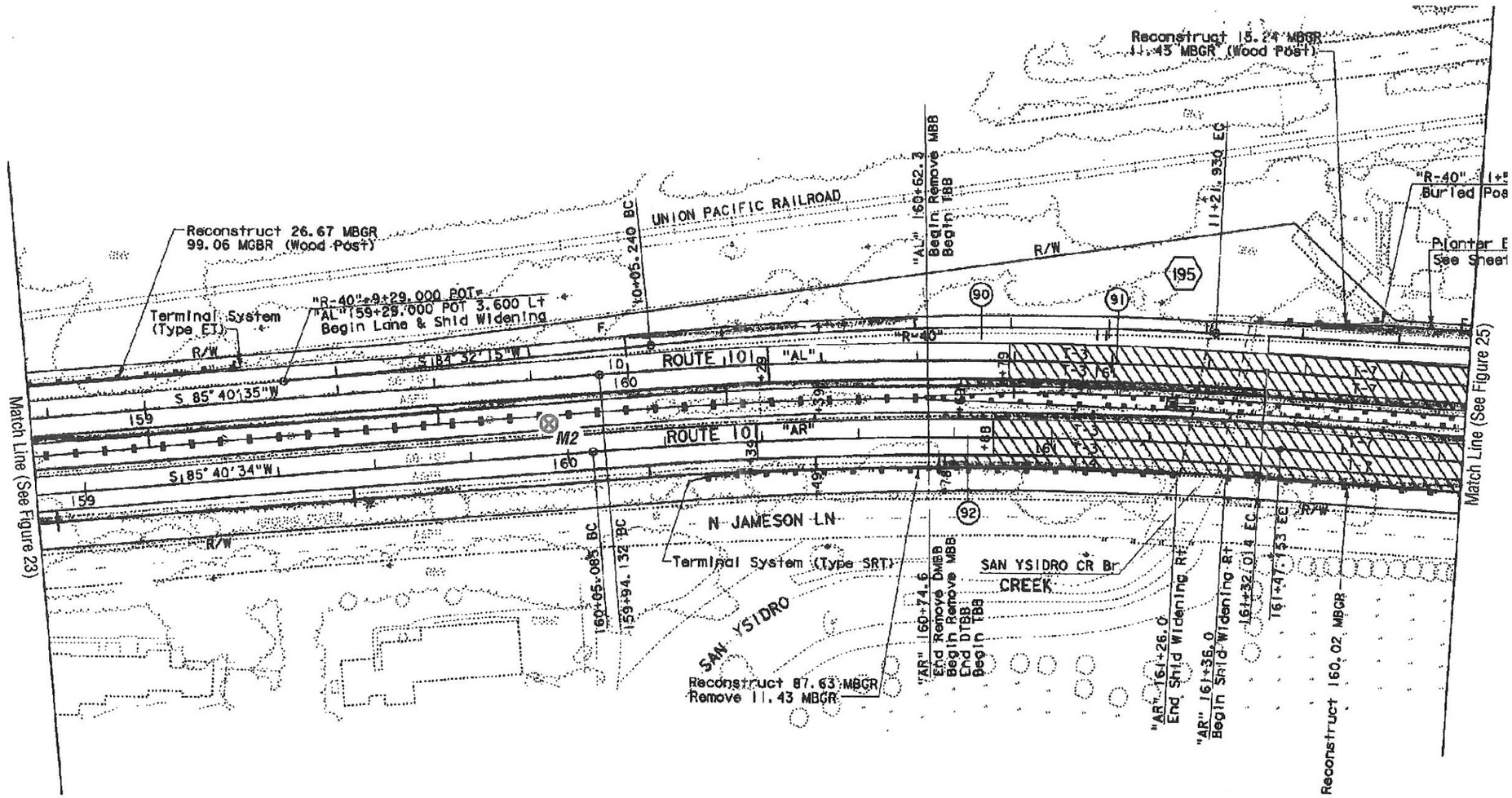
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 23



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
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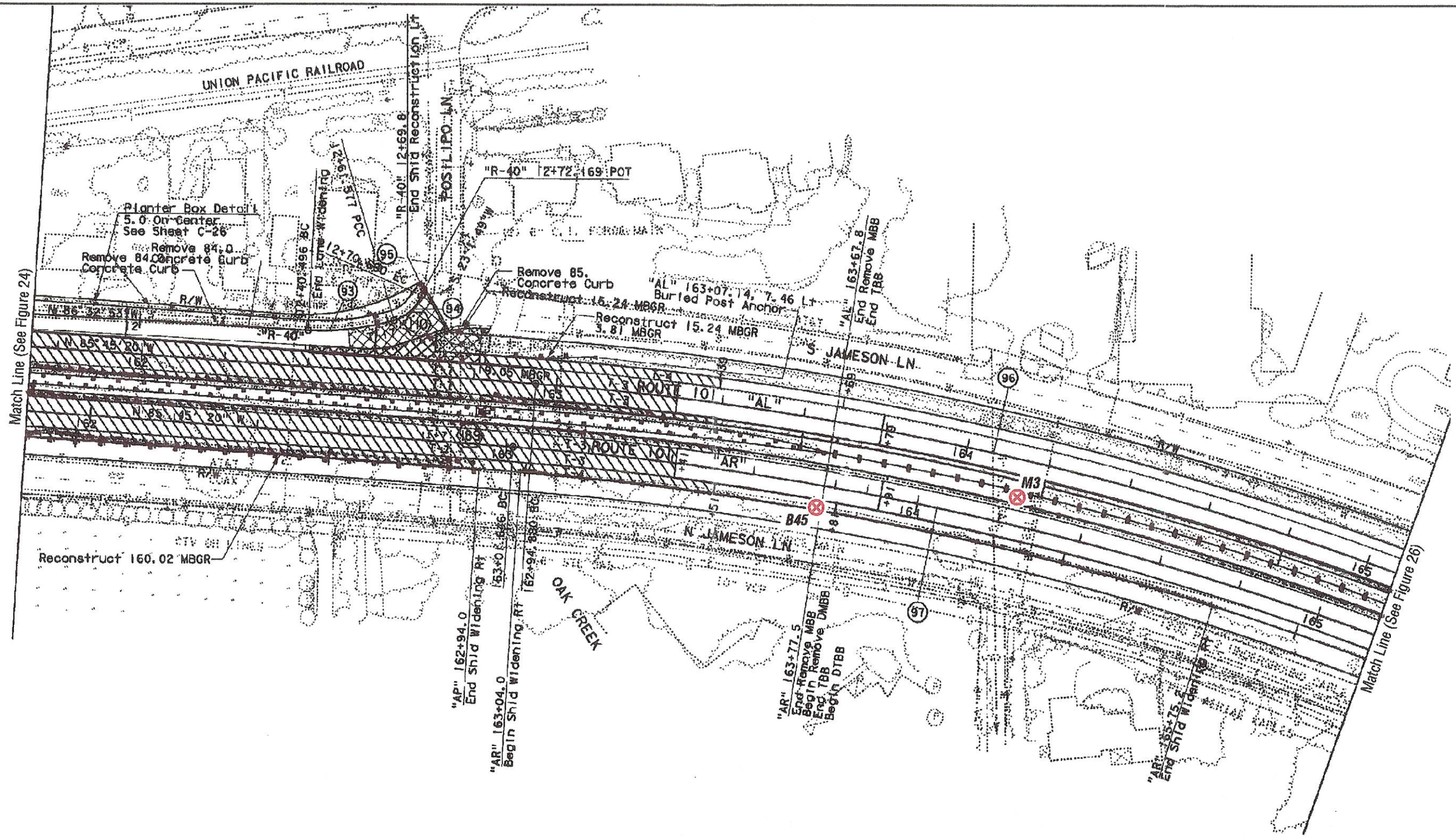
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 24



LEGEND:

⊗ Approximate Hand-Auger Boring Location

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
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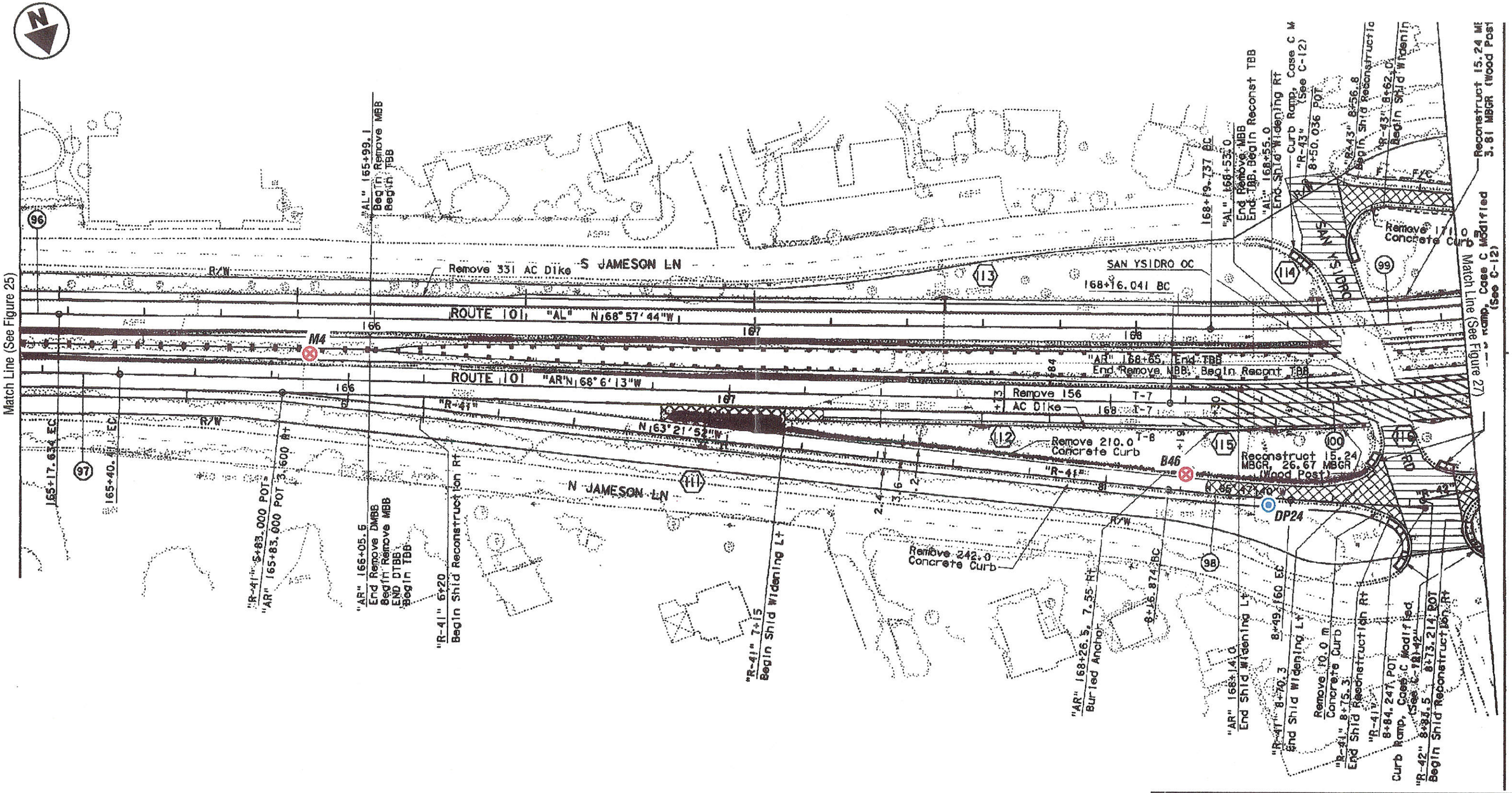
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	SITE PLAN	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 25



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
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Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

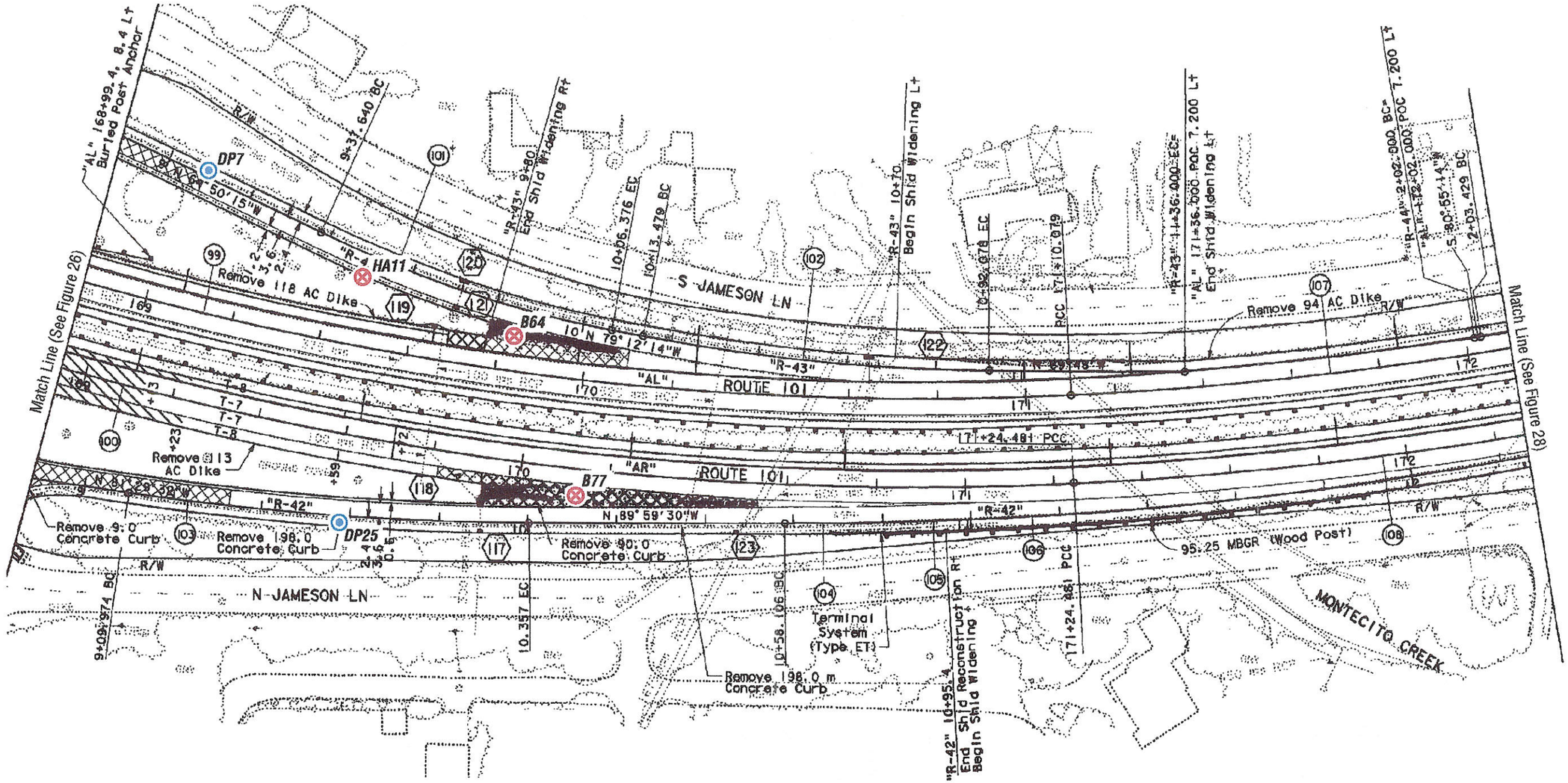
GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO

SITE PLAN

March 2001

Figure 26



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
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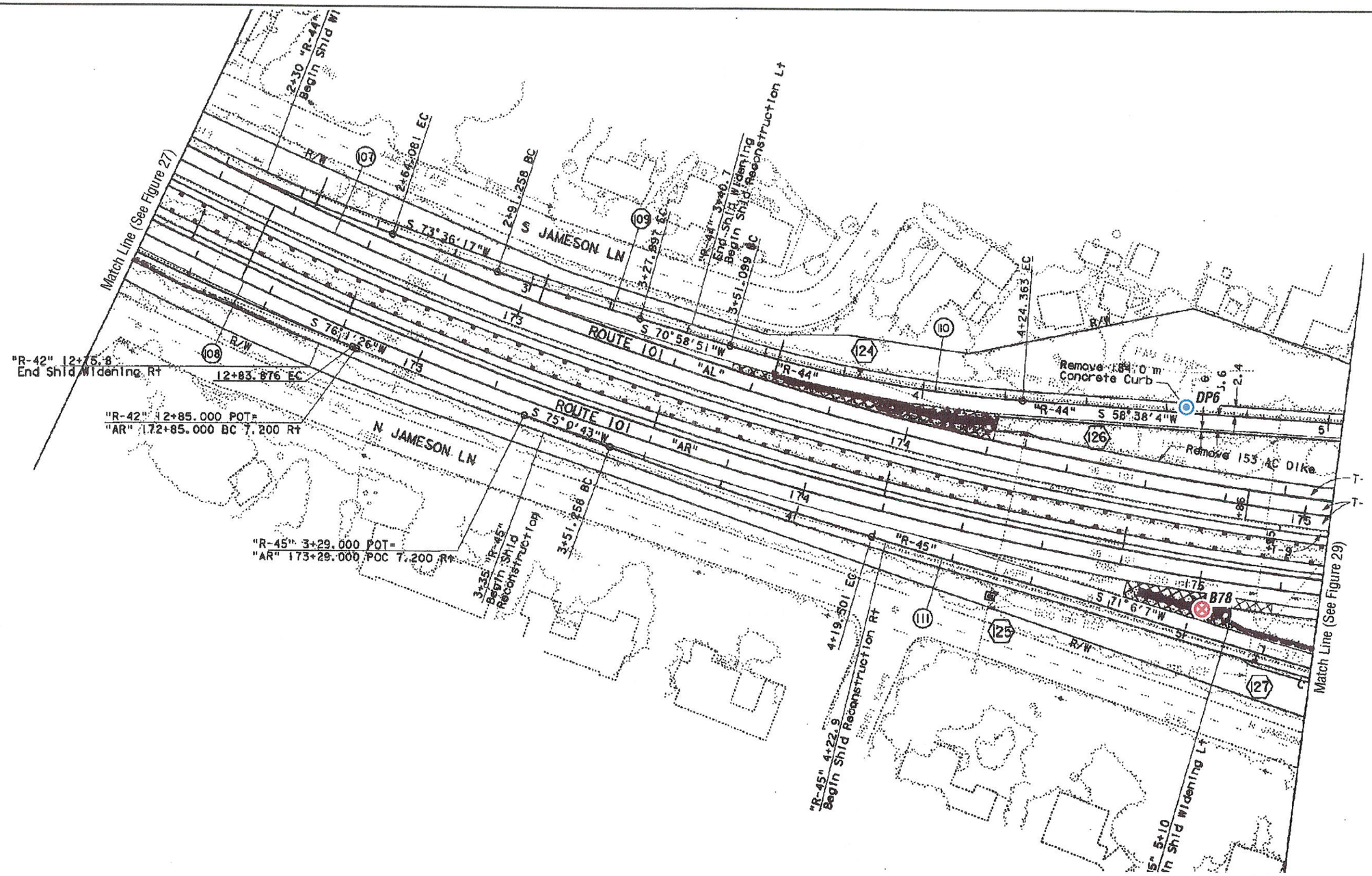
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 27



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
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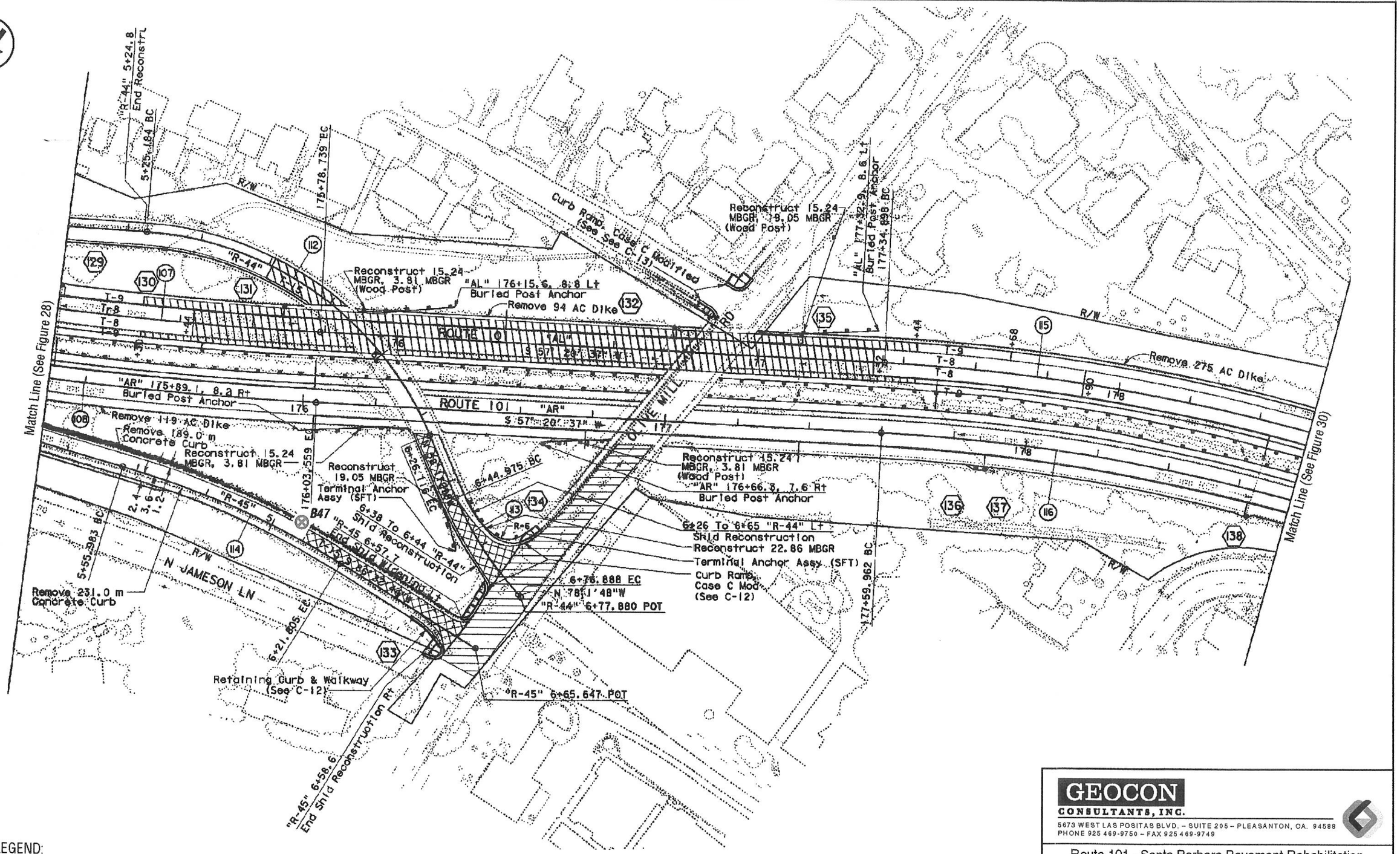
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 28



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

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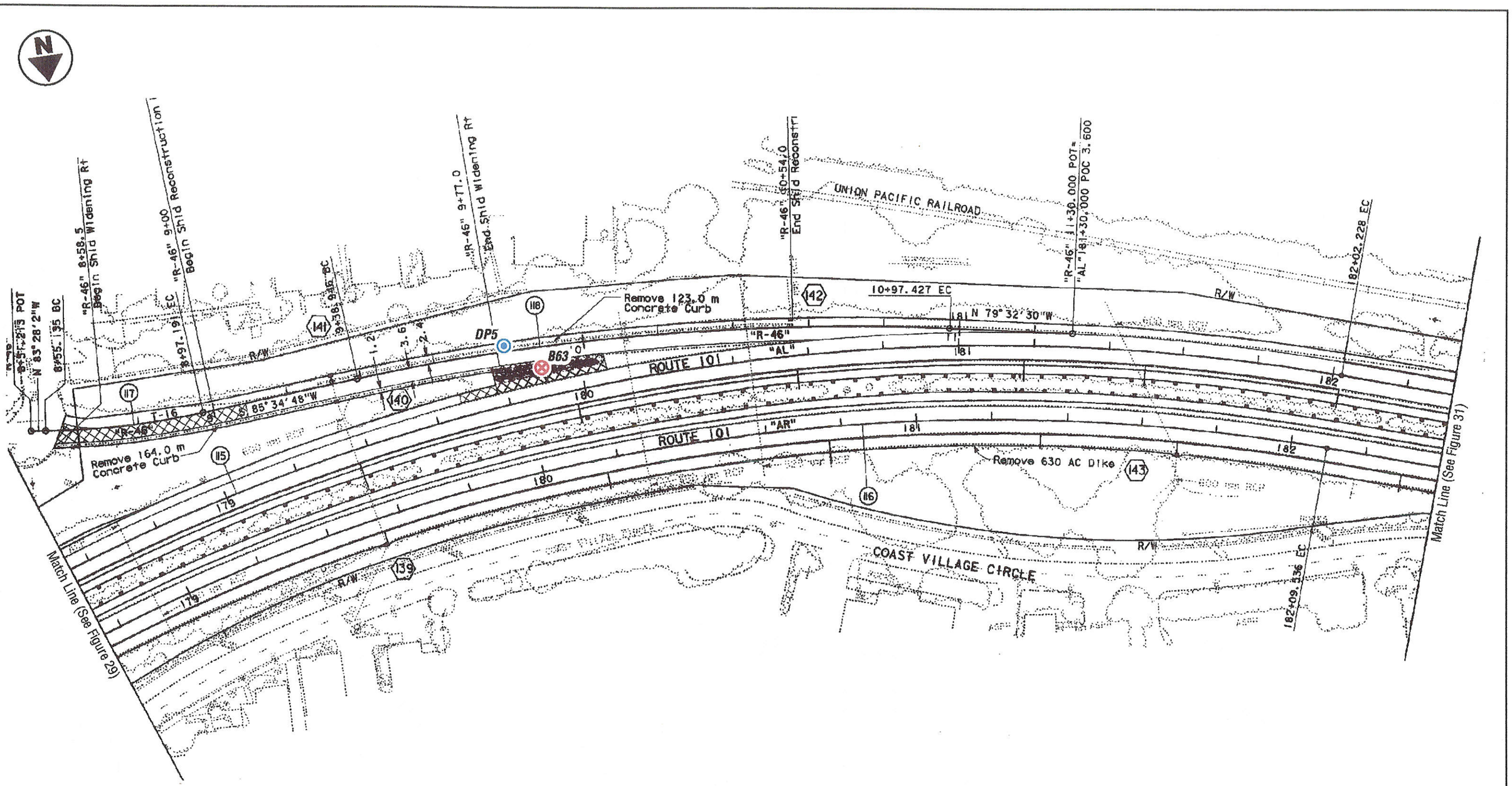
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 29



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
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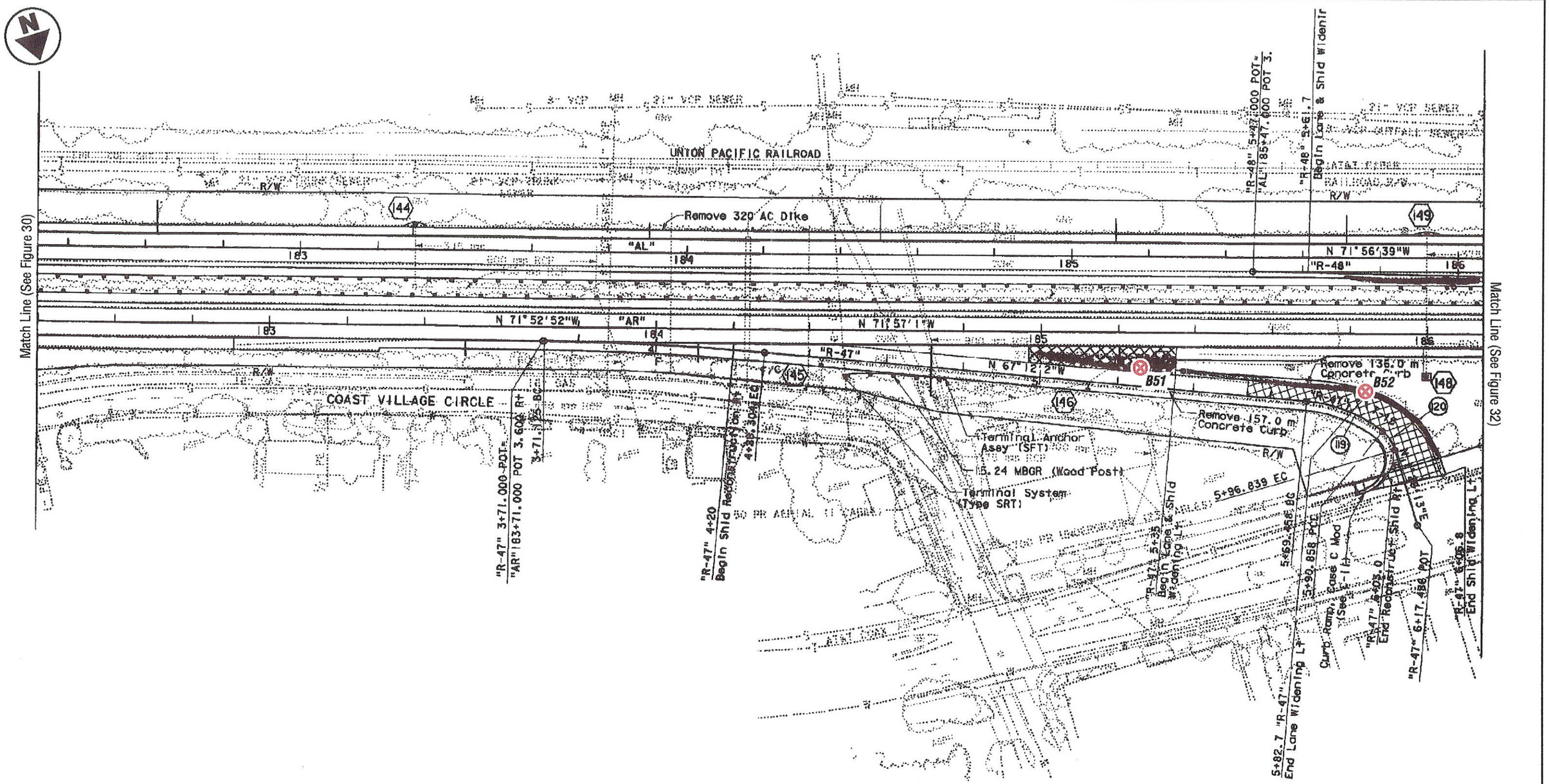
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 30



LEGEND:

⊗ Approximate Hand-Auger Boring Location

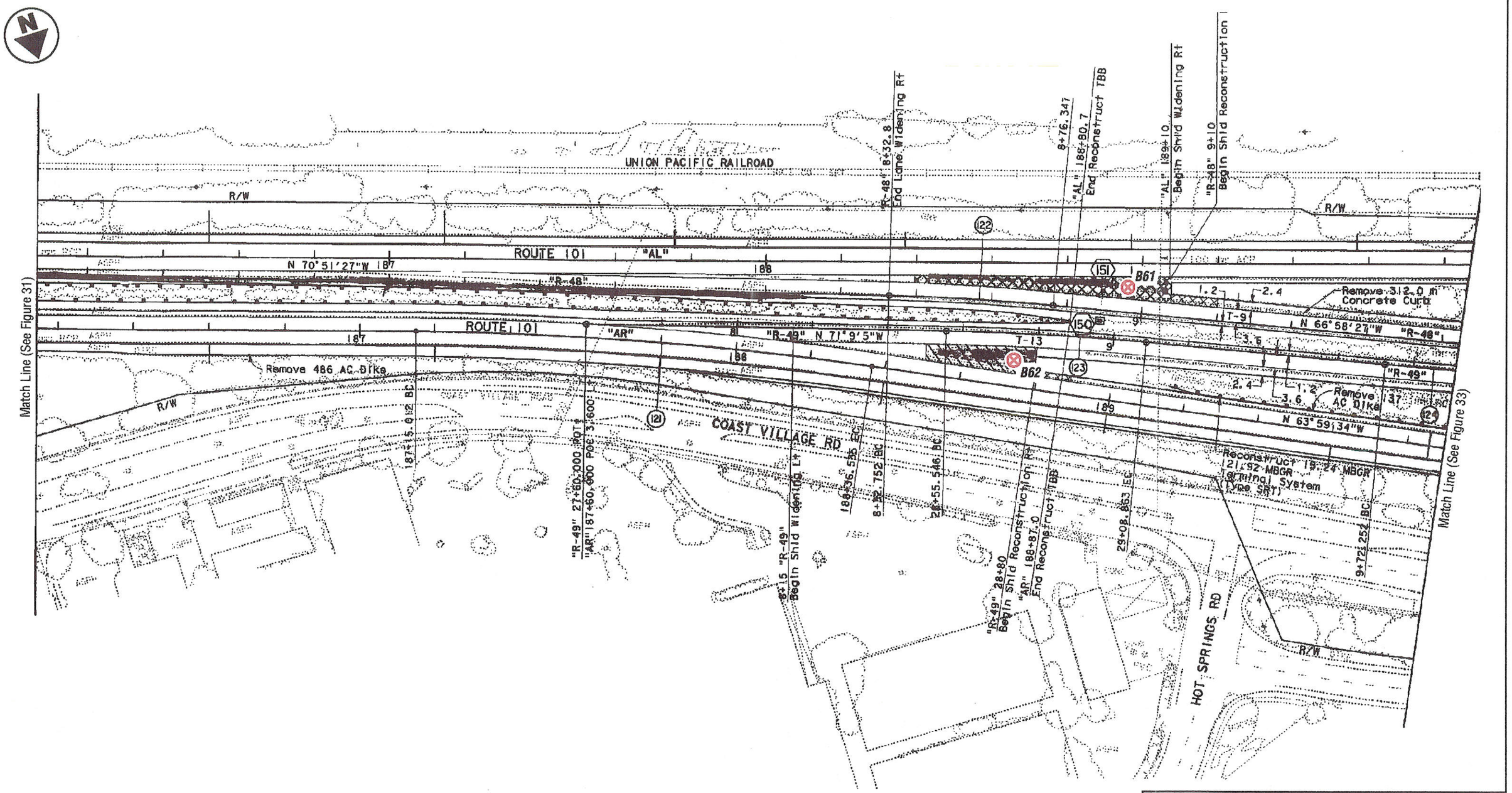
0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
PHONE 925 469-9750 – FAX 925 469-9749

Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 31



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
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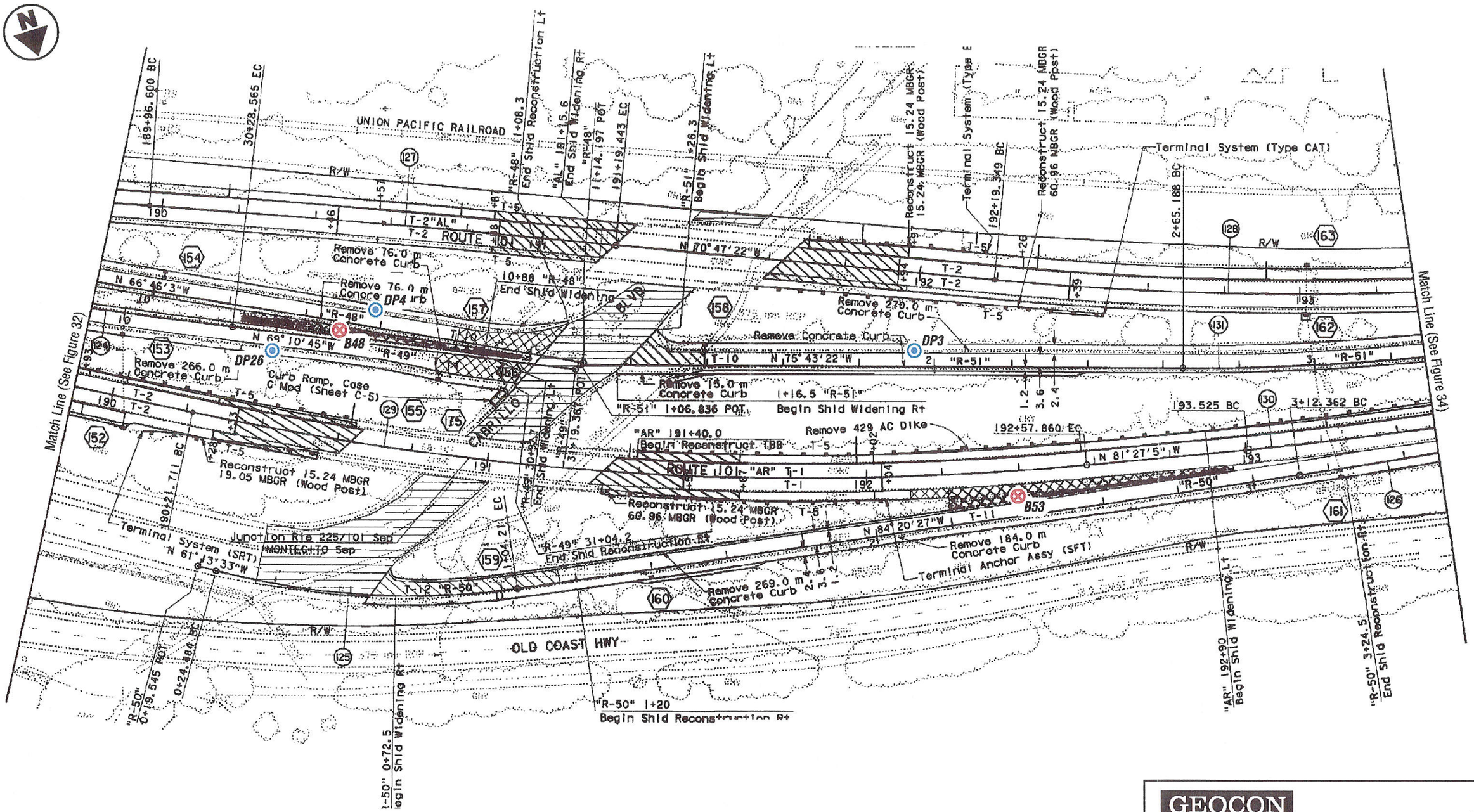
Route 101 - Santa Barbara Pavement Rehabilitation		
Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 32



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
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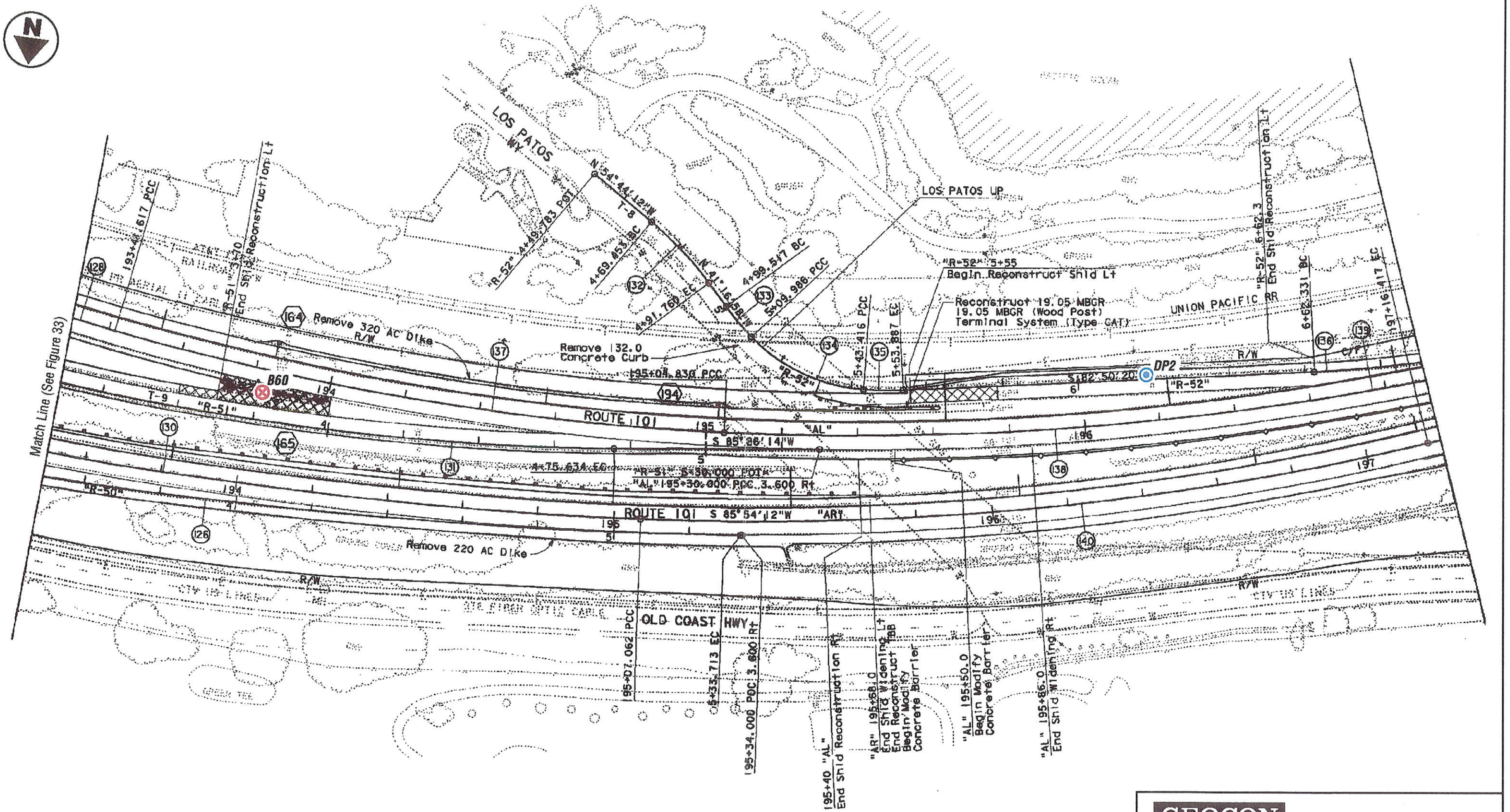
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 33



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
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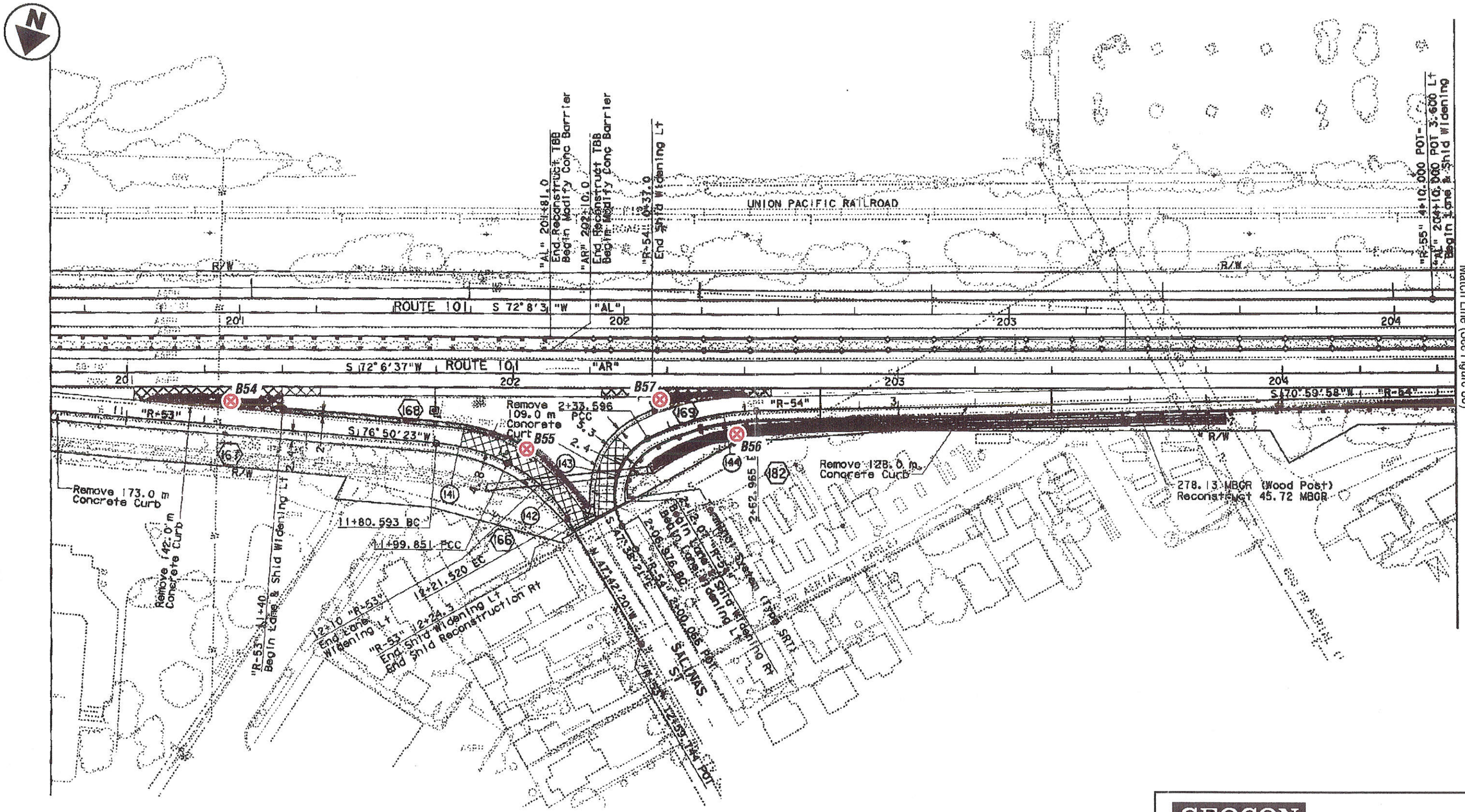
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 34



LEGEND:

⊗ Approximate Hand-Auger Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
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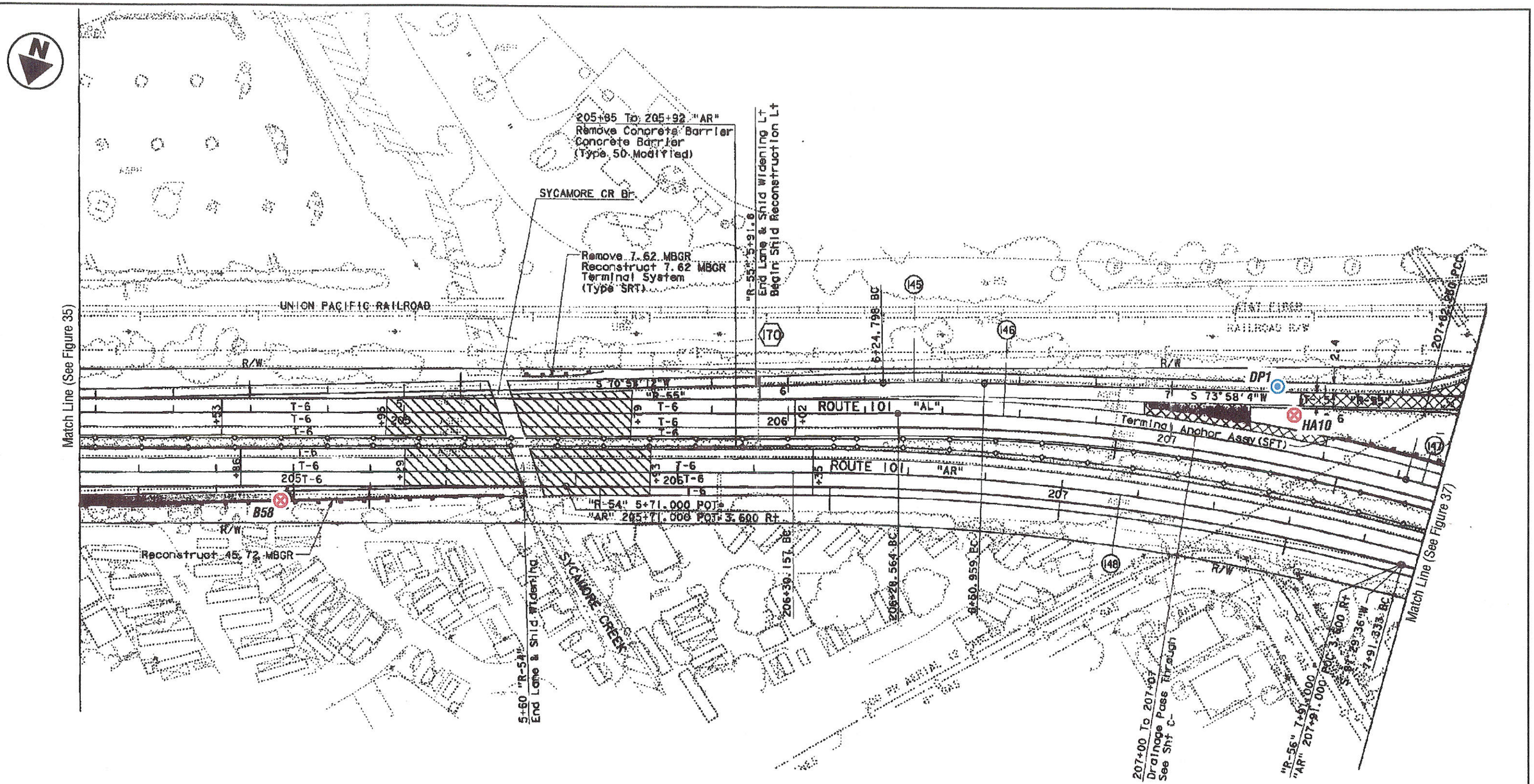
Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California	**SITE PLAN**	
GEOCON Proj. No. E8000-06-39		
Task Order No. 05-448301-GO	March 2001	Figure 35



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
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Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

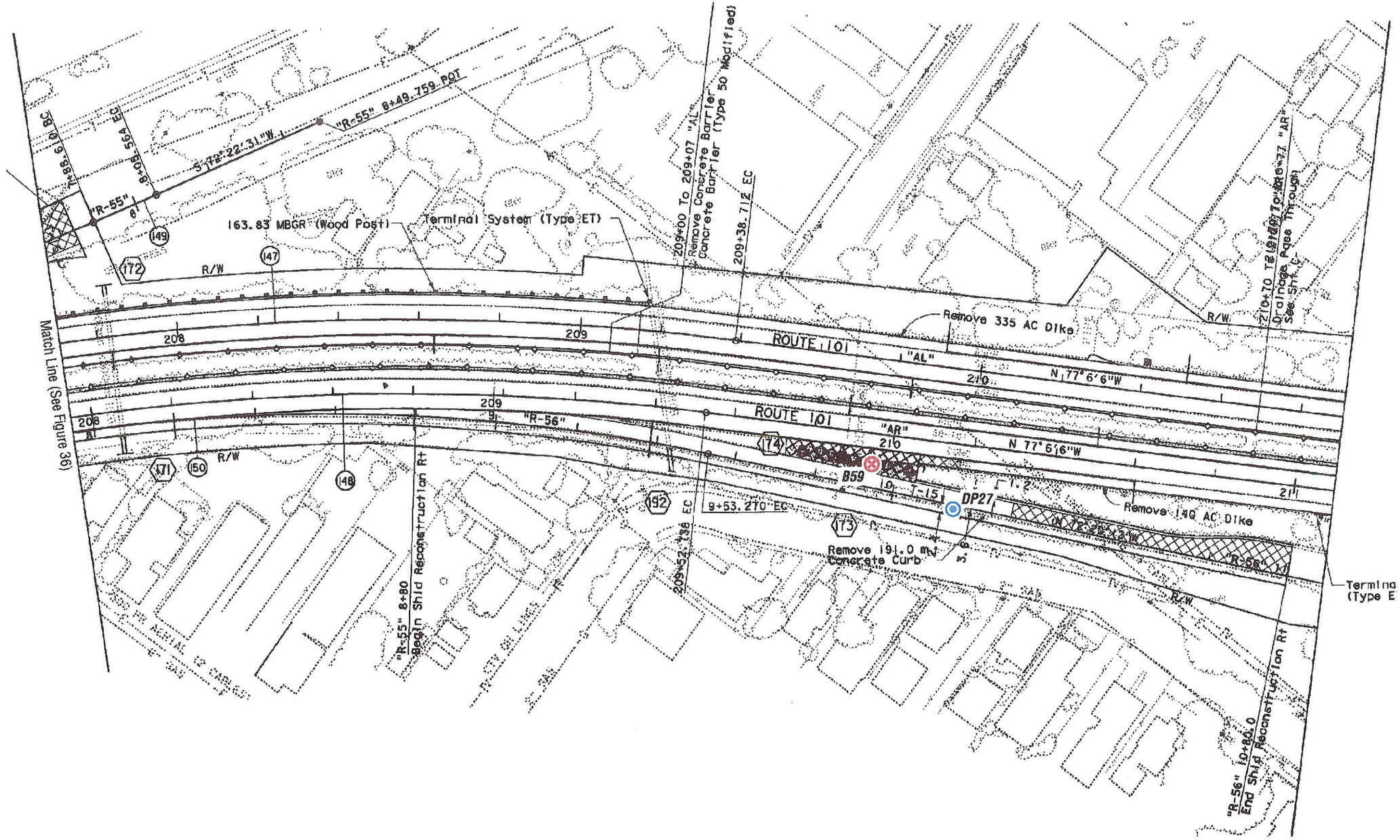
GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO

SITE PLAN

March 2001

Figure 36



LEGEND:

- Approximate Hand-Auger Boring Location
- Approximate Direct-Push Boring Location

0 10 20m

Scale: 1:1,000

GEOCON
CONSULTANTS, INC.
5673 WEST LAS POSITAS BLVD. – SUITE 205 – PLEASANTON, CA. 94588
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Route 101 - Santa Barbara Pavement Rehabilitation

Santa Barbara County, California

SITE PLAN

GEOCON Proj. No. E8000-06-39

Task Order No. 05-448301-GO | March 2001 | Figure 37

MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION

COUNTY	ROUTE	PM	ELEMENT	LOCATION	DIRECTION
SB	101	0.74	MVDS	NB ON-RAMP	NB/SB
SB	101	1.3	LOOP	NEAR BAILARD AVE	NB/SB
SB	101	1.84	MVDS	NB ON-RAMP	NB/SB
SB	101	2.448	AP	NB OFF-RAMP	NB/SB
SB	101	2.448	CCTV	NB OFF-RAMP	NB
SB	101	2.448	MVDS	NB OFF-RAMP	NB/SB
SB	101	2.496	RP	NB OFF-RAMP	NB
SB	101	2.507	VSN	NB OFF-RAMP	NB
SB	101	2.604	VSN	SB ON-RAMP	SB
SB	101	2.632	RP	BEHIND BRIDGE ABUTMENT	SB
SB	101	2.636	VSN	SB OFF-RAMP	SB
SB	101	3.051	AP	BEHIND BRIDGE ABUTMENT	NB
SB	101	3.051	MVDS	BEHIND BRIDGE ABUTMENT	NB
SB	101	3.134	VSN	SB OFF-RAMP	SB
SB	101	3.149	RP	SB OFF-RAMP	SB
SB	101	3.62	MVDS	SB OFF-RAMP	NB/SB
SB	101	3.877	VSN	NB OFF-RAMP	NB
SB	101	3.88	AP	NB MAIN LINE	NB
SB	101	3.88	MVDS	NB ON-RAMP	NB
SB	101	3.902	VSN	NB ON-RAMP	NB
SB	101	4.599	AP	BEHIND GUARDRAIL	NB/SB
SB	101	4.599	MVDS	BEHIND GUARDRAIL	NB/SB
SB	101	4.648	VSN	SB ON-RAMP	SB
SB	101	4.67	RP	SB ON-RAMP	SB
SB	101	5.46	MVDS	SB ON-RAMP	NB/SB
SB	101	6.5	MVDS	BEHIND GUARDRAIL	NB/SB
SB	101	6.83	MVDS	NB ON-RAMP	NB/SB
SB	101	7.714	AP	SB ON-RAMP	NB/SB
SB	101	7.743	RP	SB ON-RAMP	NB/SB
SB	101	7.763	VSN	SB ON-RAMP	NB/SB
SB	101	8.1	MVDS	NB OFF-RAMP	NB/SB

COUNTY	ROUTE	PM	ELEMENT	LOCATION	DIRECTION
SB	101	8.86	CCTV	NB OFF-RAMP	NB
SB	101	8.86	MVDS	NB OFF-RAMP	NB/SB
SB	101	9.478	VSN	SB ON-RAMP	SB
SB	101	9.49	AP	SB ON-RAMP	SB
SB	101	10.034	VSN	NB OFF-RAMP	NB
SB	101	10.05	AP	BEHIND BRIDGE ABUTMENT	NB
SB	101	10.05	MVDS	BEHIND BRIDGE ABUTMENT	NB
SB	101	10.05	RP	BEHIND BRIDGE ABUTMENT	NB
SB	101	10.058	VSN	SB ON-RAMP	NB
SB	101	10.097	VSN	NB OFF-RAMP	SB
SB	101	10.1	RP	NB OFF-RAMP	SB
SB	101	10.44	MVDS	NB OFF-RAMP	NB/SB
SB	101	11.1	MVDS	NB OFF-RAMP	NB/SB
SB	101	11.34	LOOP	NB MAIN LINE	NB
SB	101	11.39	MVDS	SB MAINLINE	SB
SB	101	11.39	WCB	SB MAINLINE	SB
SB	101	11.69	MVDS	NB MAIN LINE	NB
SB	101	11.69	MVDS	INSIDE MEDIAN	SB
SB	101	11.69	WAPB	NB MAINLINE	NB
SB	101	11.69	WAPB	INSIDE MEDIAN	SB
SB	101	11.692	CCTV	INSIDE MEDIAN	NB
SB	101	11.9	LOOP	BETWEEN MILPAS Rd AND CABRILLO Rd	NB/SB
SB	101	12	MVDS	OFF-RAMP TO MILPAS Rd	NB/SB
SB	101	12	WCB	OFF-RAMP TO MILPAS Rd	NB
SB	101	12.25	MVDS	OFF-RAMP TO MILPAS Rd	NB/SB
SB	101	12.25	WCB	OFF-RAMP TO MILPAS Rd	NB
SB	101	12.42	MVDS	OFF-RAMP TO MILPAS Rd	NB/SB
SB	101	12.42	WCB	NB MAIN LINE	NB/SB
SB	101	12.7	MVDS	SB MAIN LINE	NB/SB
SB	101	12.7	WCB	SB MAIN LINE	SB

EXISTING TMS ELEMENT LOCATIONS

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 02-25-16
DATE PLOTTED => 28-APR-2016
TIME PLOTTED => 08:27

BORDER LAST REVISED 7/2/2010
USERNAME => s117363
DGN FILE => 05-1120 exist utility handout.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
05-1c1204
PROJECT NUMBER & PHASE 05120000721