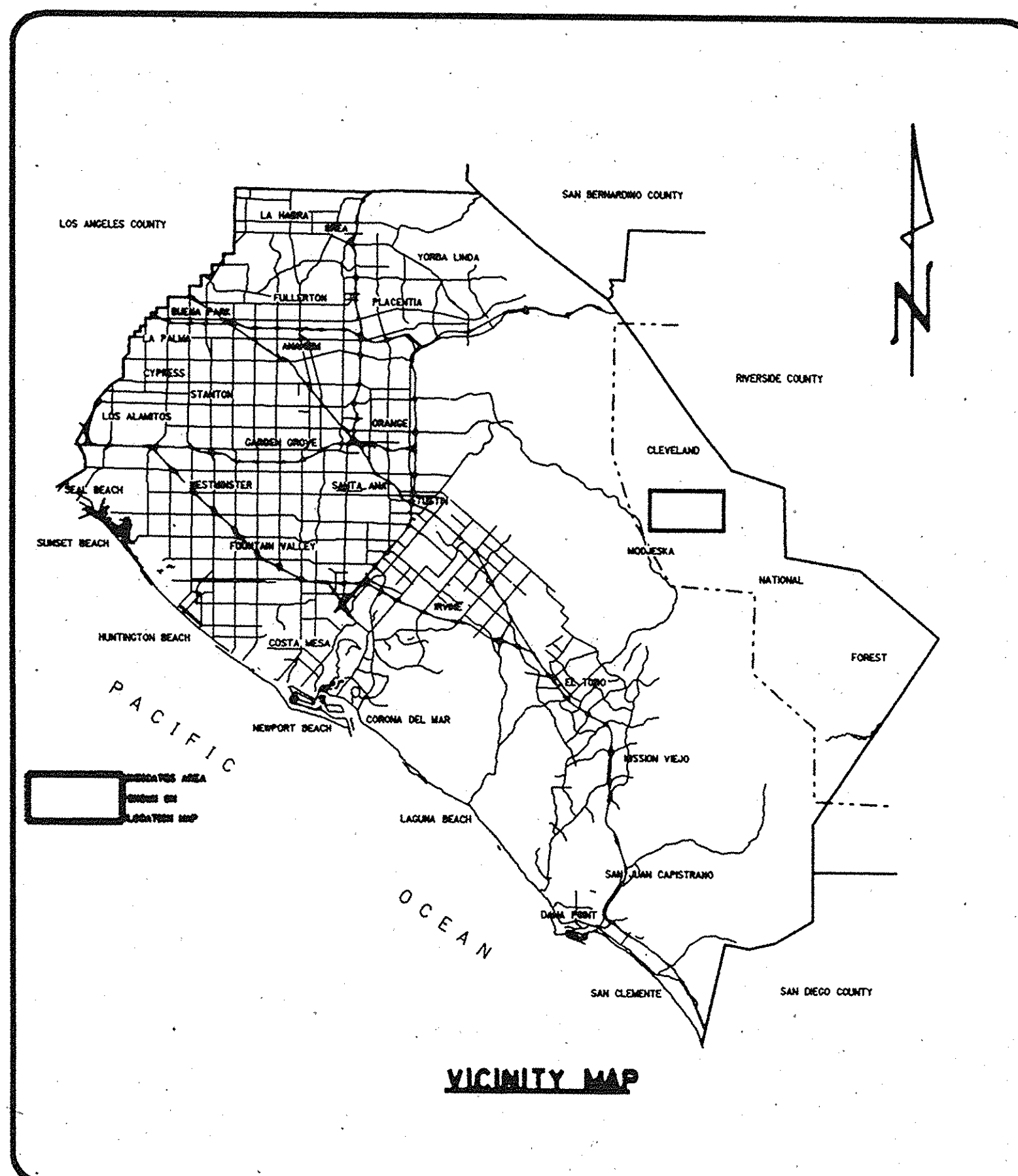


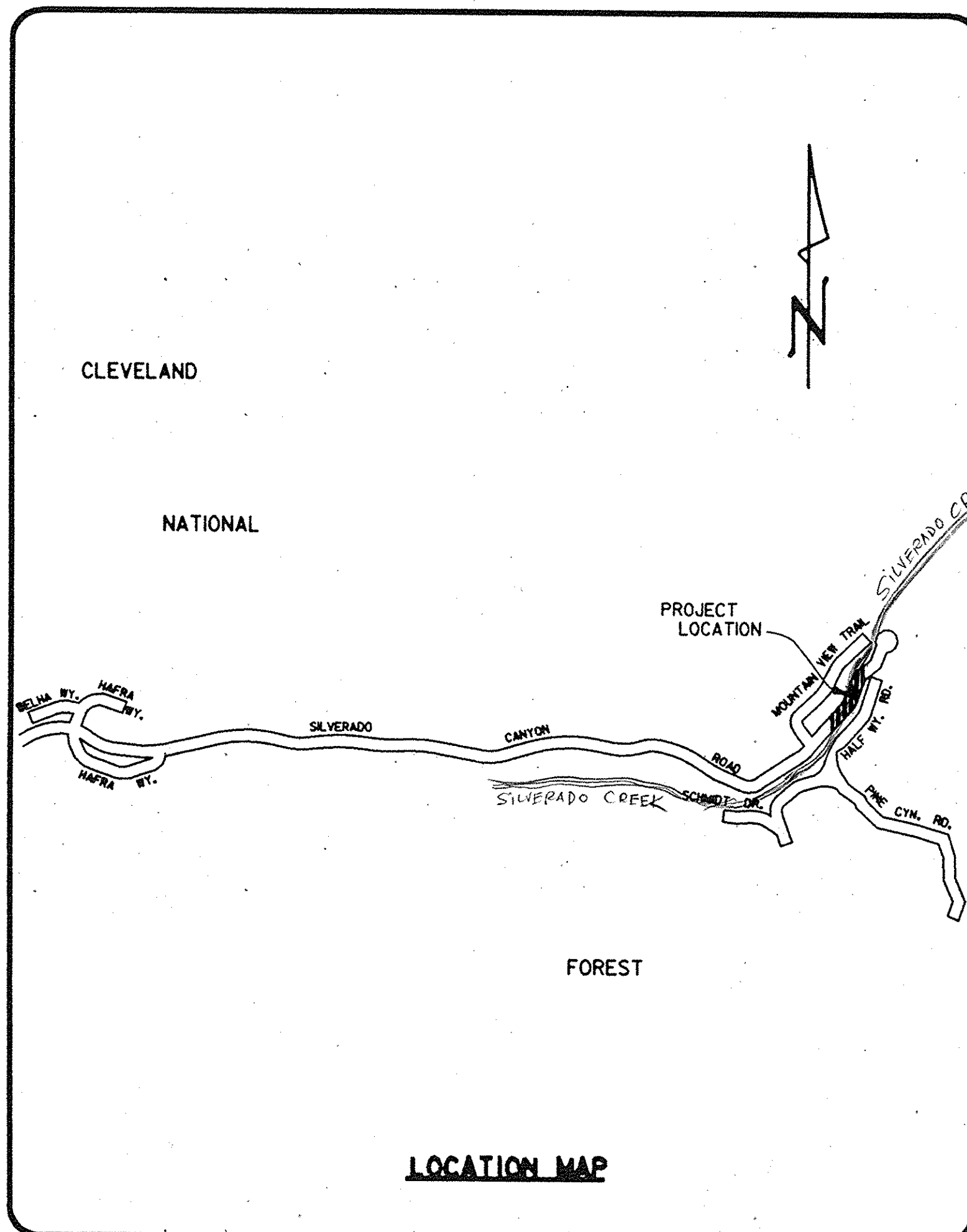


ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

SANTA ANA, CALIFORNIA
MICHAEL M. RUANE, DIRECTOR

PLANS FOR CONSTRUCTION OF

TWO REINFORCED CONCRETE BOX CULVERTS CROSSING SILVERADO CANYON ROAD AT SILVERADO CREEK



DECEMBER 1990

FUNDED BY: ROAD FUNDS

E M A - PUBLIC WORKS

SUBMITTED: *Vincent P. Rousles*
SECTION CHIEF
DATE 1-14-91

RECOMMENDED: *James W. Williams*
DIVISION MANAGER
DATE 1-18-91

APPROVED: *William J. Gault*
DIRECTOR OF PUBLIC WORKS
DATE 1-14-91

INDEX OF SHEETS

SHEET	DESCRIPTION
1	TITLE SHEET
2	ROAD PLAN AND PROFILE
3	EASTERLY BOX PROFILE
4	WESTERLY BOX PROFILE AND PAYLINES
5	UTILITY PLAN AND PROFILE
6	GENERAL LAYOUT
7	EASTERLY BOX-TOP SLAB REINFORCEMENT
8	WESTERLY BOX-TOP SLAB REINFORCEMENT
9	DECK SLAB DETAILS
10	EASTERLY BOX CONNECTION DETAILS
11	EASTERLY BOX DETAILS
12	WESTERLY BOX DETAILS
13	BARRIER RAIL DETAILS
14	BOTTOM SLAB REINFORCEMENT AND RIP-RAP DETAILS
15	UTILITY DETAILS & DETOUR PLAN

UTILITY OWNER	PHONE NO.	CONTACT
PACIFIC BELL	(714) 259-4473	STEVE RANDALL
SOUTHERN CALIF. GAS CO.	(714) 634-3115	JOE MORENO
SANTIAGO CANYON WATER DIST.	(714) 649-2630	CHARLES CRON
SOUTHERN CALIF. EDISON CO.	(714) 458-4446	SKIP VERRENGIA
SOUTHERN CALIF. EDISON CO.	(714) 240-1212	DARLA WAGNER
UNDERGROUND SERVICE ALERT	(800) 422-4133	

BENCH MARK:

O.C.S. B.M. NO. 3V-11-00
ON SILVERADO CYN. RD., ABOUT 5.45 MI. E/ OF
BLACK STAR CYN. RD. JUNCTION, AT THE CREEK
CROSSING WITH 3 CORRUGATED PIPES UNDER
CONC. SLAB INSTEAD OF A BRIDGE, 23.3' FT.
S/ OF CENTER OF ROAD, 1 FT. N/ OF AN 8 FT.
HIGH STONE WALL, ON THE MIDDLE OF 3 CONC.
STEPPED BASES FOR THE STONE WALL, 3.5 FT.
W/ OF EAST END OF MIDDLE BASE, ABOUT 275
FEET W/ OF "SILVERADO" HISTORICAL MONUMENT
AT EAST END OF SILVERADO CYN. RD.
DATUM 1976 O.C.S. EL. 1813.15

BASIS OF BEARINGS:

THE DEED CENTERLINE RIGHT OF WAY
N28°02'00"E SILVERADO CANYON ROAD.

NO.	DESCRIPTION	DATE	APPROVED
1	Revised #10@12 as shown	11.12	
2	Revised Details AC 4E	9	
3	Revised Dimension as shown	6.11.12	
4	Revised Reference sheet #	5.3.5-8	
5	Detour Map Revised	2/26/91	

W. O. NO. C03312
DWG. NO.

SHEET 1 OF 15