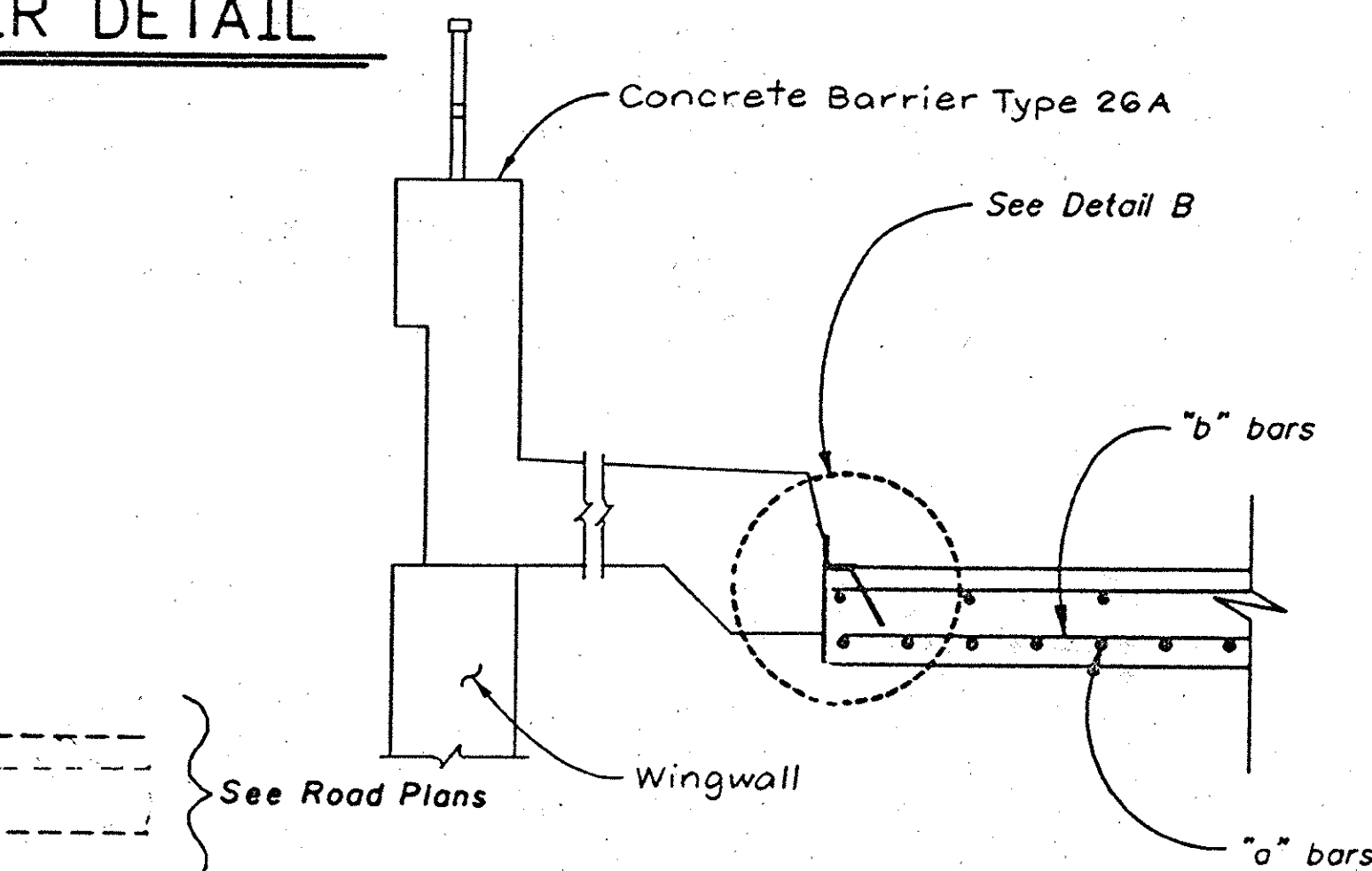
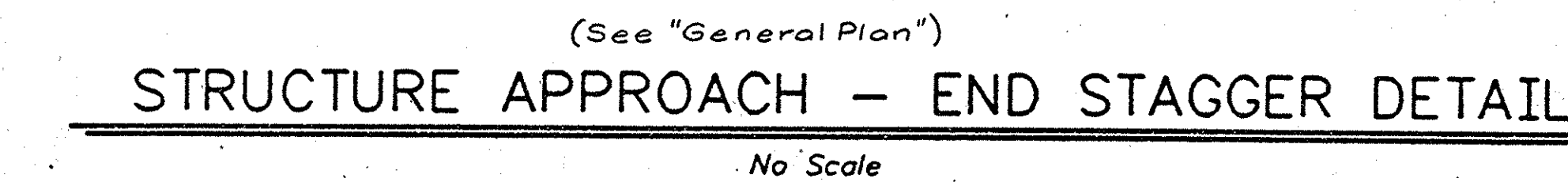


TYPE	18" dia Bucket Auger					ELEVATION	454.0 feet	BORING	B-6
18+			7	2.5	14			... dark greenish gray SILTSTONE	
				BAG	15				
			5	2.5	16			... diatomaceous dark greenish gray SILTSTONE	
18+			17	2.5	17			... diatomaceous SILTSTONE dense	
			17	2.5	18			... diatomaceous SILTSTONE dark greenish gray, reddish spots (mottled)	
				BAG	19				
				2.5	20			... mottled reddish diatomaceous dark greenish gray SILTSTONE	
18+			25	2.5	21			... diatomaceous SILTSTONE	
				BAG	22			... saturated gray dark greenish SILTSTONE	
			36	2.5	23		... water seepage at 50 feet		
NOTES: 1. Initial casing 30 inch diameter installed to 11 feet. 2. Second casing 24-inch diameter installed to 90 feet. 3. Drilling above and below 20 feet carried out with 24-inch and 18-inch diameter bucket auger, respectively. 4. Prior to installation of casing extensive excavate and caving from 2 to 11 feet. Groundwater in GRAVELLY SAND at a depth of two feet. 5. No water seepage observed from 20 feet to 80 feet. 6. Water seepage at 80 feet. 7. No caving encountered from 11 to 81 feet. 8. Total depth of boring 81 feet. 9. Backfilled March 5, 1990. 10. Note: Ring samples obtained by driving with Kelly with one foot drops. Weight of Kelly as follows 0-20 feet (3450 lb), 20-47 feet (2050 lb), 47 - 86 feet (1140 lb).									
PROBES (FT)	SEALING CORROSION	NO. SAMPLES (LAB. ONLY)	MOISTURE (%)	BLUISH/FOOT	SAMPLE SIZE (LBS/INCH)	SAMPLE No.	DEPTH IN FEET	REMARKS	
								UNPLED BORED	

THIS BORING LOG SUMMARY APPLIES ONLY AT THE TIME AND LOCATION INDICATED. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND TIMES.

LOGGED BY GPH DATE 3-1-90

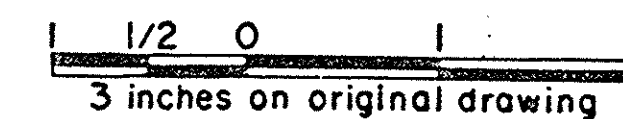
Job No. 188-022 - March 7, 1990

A-2

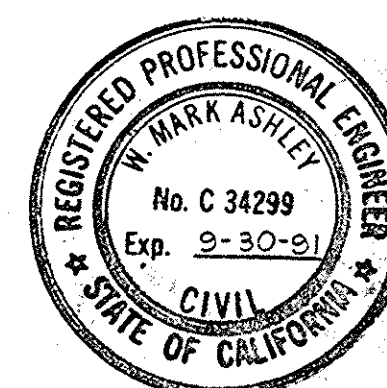
Note: For approximate boring location, see "Plan" on "Log of Test Borings" sheet.



1. For details not noted or shown, see "Abutment" details on Project Plans. Adjust bar reinforcement to clear a sawcut for sealed joint, when required.
2. Approach Slabs to skewed structures shall be staggered at lane lines. Staggered lines may be 24' or 36' apart for skews of 45° or less and at each lane line for skews greater than 45°.
3. For transverse contact joint with new PCC paving, refer to Standard Plan A35-A.
4. Longitudinal construction joints shall be permitted as approved by the Engineer.



			ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY		
			OSO PARKWAY BRIDGE OVER ARROYO TRABUCO		
			PCC APPROACH SLAB		
MARK	DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF		SHEET
REVISIONS					DATE
DESIGNED			SCALE	DATE	DWG. NO.
DRAWN			AS SHOWN		



	McDANIEL ENGINEERING COMPANY, INC. 3880 OLD TOWN AVE., SUITE 207B, SAN DIEGO, CA 92110 • (619)692-1820			
	ENGINEER OF WORK: W. Mark Ashley C34239 9-30-91 8-10-89 W. Mark Ashley RCE EXP DATE			