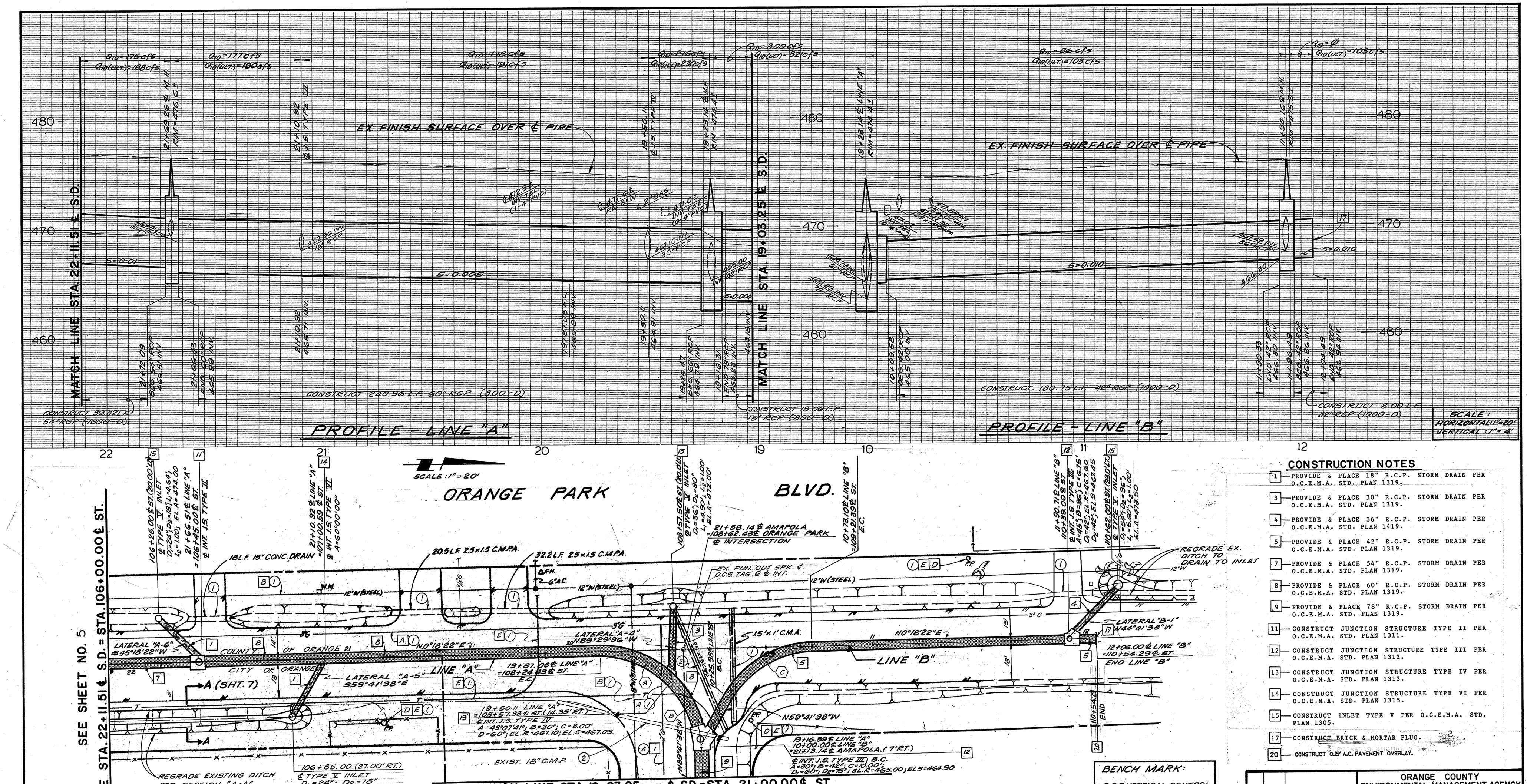

CONSTRUCTION NOTES

1 — PROVIDE & PLACE 18" R.C.P. STORM DRAIN PER O.C.E.M.A. STD. PLAN 1319.

3 — PROVIDE & PLACE 30" R.C.P. STORM DRAIN PER O.C.E.M.A. STD. PLAN 1319.

4 — PROVIDE & PLACE 36" R.C.P. STORM DRAIN PER O.C.E.M.A. STD. PLAN 1419.

5 — PROVIDE & PLACE 42" R.C.P. STORM DRAIN PER O.C.E.M.A. STD. PLAN 1319.

7 — PROVIDE & PLACE 54" R.C.P. STORM DRAIN PER O.C.E.M.A. STD. PLAN 1319.

8 — PROVIDE & PLACE 60" R.C.P. STORM DRAIN PER O.C.E.M.A. STD. PLAN 1319.

9 — PROVIDE & PLACE 78" R.C.P. STORM DRAIN PER O.C.E.M.A. STD. PLAN 1319.

11 — CONSTRUCT JUNCTION STRUCTURE TYPE II PER O.C.E.M.A. STD. PLAN 1311.

12 — CONSTRUCT JUNCTION STRUCTURE TYPE III PER O.C.E.M.A. STD. PLAN 1312.

13 — CONSTRUCT JUNCTION STRUCTURE TYPE IV PER O.C.E.M.A. STD. PLAN 1313.

14 — CONSTRUCT JUNCTION STRUCTURE TYPE VI PER O.C.E.M.A. STD. PLAN 1315.

15 — CONSTRUCT INLET TYPE V PER O.C.E.M.A. STD. PLAN 1305.

17 — CONSTRUCT BRICK & MORTAR PLUG.

20 — CONSTRUCT 0.15' A.C. PAVEMENT OVERLAY.

UTILITIES

A	GAS LINE	SO. CALIF. GAS
B	WATER LINE	ORANGE PARK ACRES MUTUAL WATER CO.
C	SEWER LINE	ORANGE CO. SANITATION DISTRICT
D	ELECTRICAL	SO. CALIF. EDISON
E	TELEPHONE	PACIFIC BELL

LEGEND

1	PROTECT IN PLACE
2	REMOVE
3	REMOVE INTERFERING PORTIONS
4	ABANDON

STORM DRAIN & CURVE DATA

	R	Δ	L	T
A	45.00'	47°04'21"	36.97'	19.60'
B	45.00'	42°55'39"	33.72'	17.69'
C	45.00'	60°00'00"	47.12'	25.98'

PLAN
1" = 20'

HYDRAULIC DATA

STATION TO STATION	Q_{10} (cfs)	dia	S	n = 0.013 Dn	Dc	SF
19+03.25 TO 19+23	321	78	0.004	5.16	4.81	0.00375
19+23 TO 19+50	230	60	0.005	5.00	4.28	0.00780
19+50 TO 21+11	191	60	0.005	5.00	3.95	0.00538
21+11 TO 21+69	190	60	0.005	5.00	3.94	0.00532
21+69 TO 22+12	188	54	0.010	3.53	3.94	0.00914
10+00 TO 12+06 LINE "B"	103	42	0.010	3.50	3.10	0.01048

BENCH MARK:
O.C.S. VERTICAL CONTROL
DATUM: 1976
ELEV.: 583.292
DESIGNATION: 3D-133-79

PREPARED BY:
UMA ENGINEERING, INC.
17762 Cowan Street
Irvine, California 92714
Phone (714) 660-0101
uma
Richard A. Kreuzer 2/15/89
RICHARD A. KREUZER R.C.E. 22407 DATE

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

AMAPOLA STORM DRAIN PLAN & PROFILE STA. 19+03.25 TO STA. 22+11.51

MARK	DATE	DESCRIPTION

REVISIONS

DESIGNED ____ DRAWN ____ CHECKED ____

PREPARED UNDER SUPERVISION OF ____ DATE ____

SCALE	DATE	DWG. NO.	SHEET
AS SHOWN			4 of 9