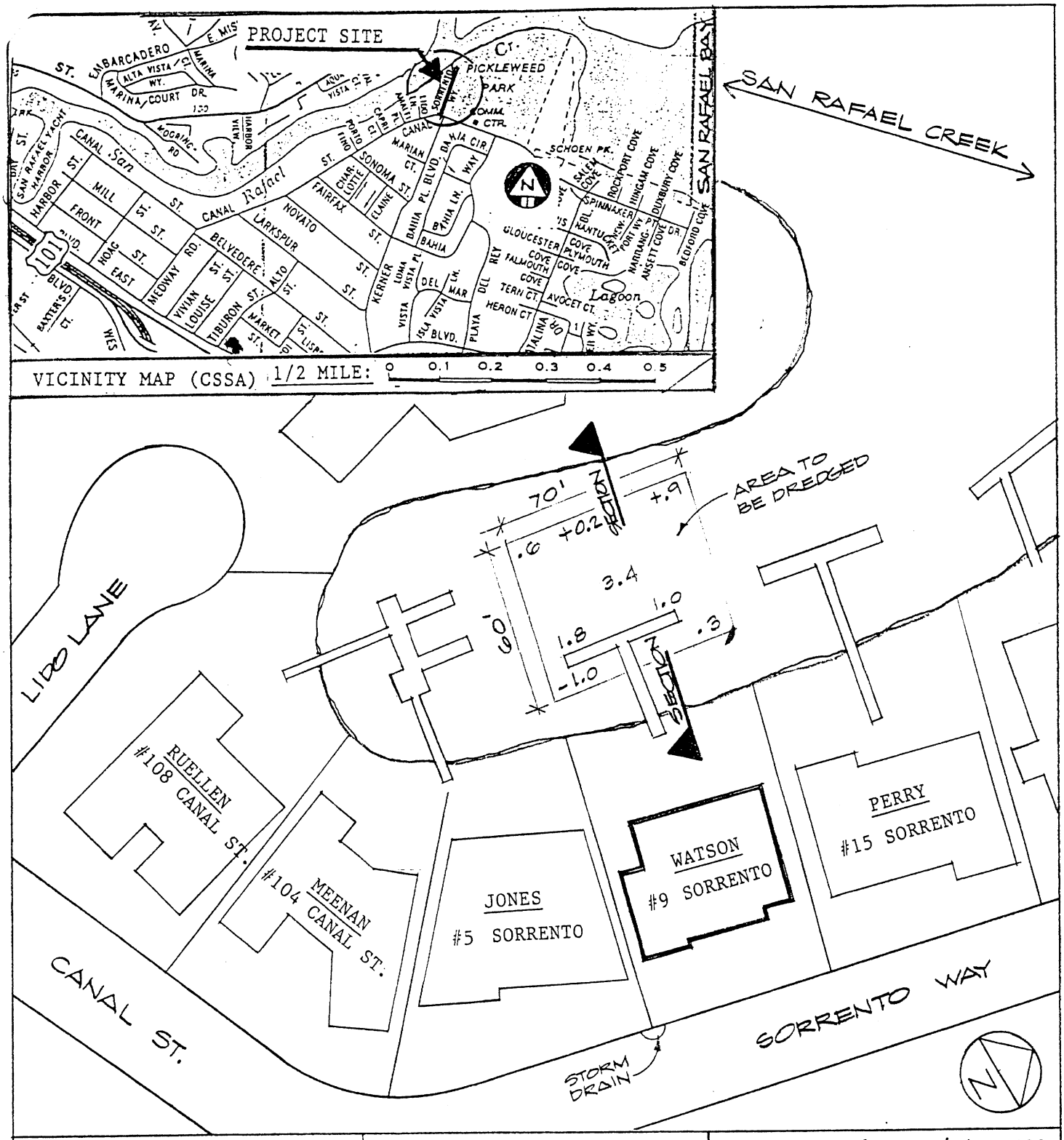


PURPOSE: Perform dredging to allow proper navigation for recreational boats.
DATUM: MLLW
ADJACENT PROPERTY OWNERS:

1. North - Jack Perry
2. South - C.& E. Jones

SITE PLAN

0 25 50 100

1" = 50'

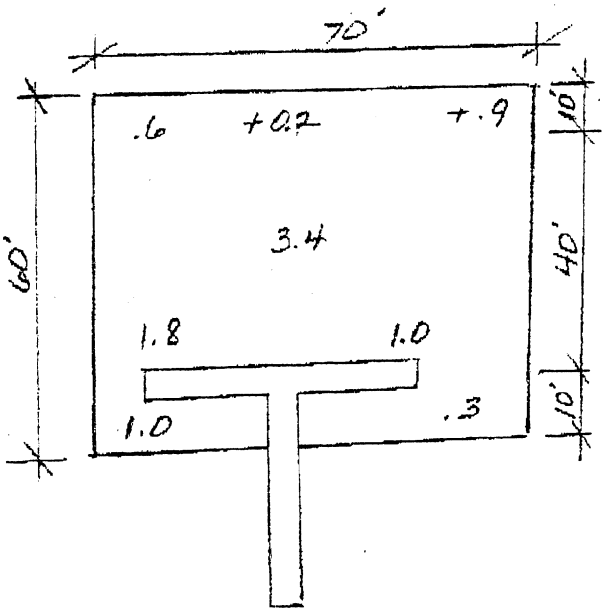
Lloyd Watson
9 Sorrento Way
San Rafael, CA 94901

PROJECT: Conduct maintenance dredging for residence located on San Rafael Creek leading to San Rafael Canal.
IN: San Rafael Creek
AT: San Rafael
County: Marin STATE: CA
APPLICATION BY: Western Dock
DATE: 10.10.00 SHEET: 1 of 2

EXHIBIT C

YARDAGE CALCULATIONS

LLOYD WATSON



AVG. DEPTH +0.17 = 3.17' CUT
10' x 70' x 3.17 ÷ 27 = 82.2 C.Y.

AVG. DEPTH 2.06 = 3.94' CUT
40' x 70' x 3.94 ÷ 27 = 408.6 C.Y.

AVG. DEPTH .65 = 2.35' CUT
10' x 70' x 2.35 ÷ 27 = 60.9 C.Y.

TO GRADE -3.0 AND -6.0 551.7 C.Y.
PLUS 1' OVERCUT 60' x 70' ÷ 27 = 156.0 C.Y.
707.7 C.Y.

APPROX. 710 C.Y. THIS EPISODE

ANTICIPATED INFLOW 0.9 FT./YR.
= 140 C.Y. x 10 YRS. = 1400 C.Y.
1' ALLOWABLE OVERCUT x 10 YRS. = 1560 C.Y.

10 YEAR PERMIT APPROX. 2,960 C.Y. TOTAL

Maintenance Dredging
9 Sorrento Way
San Rafael Creek
San Rafael
Marin County, CA
Lloyd Watson

EXHIBIT A