

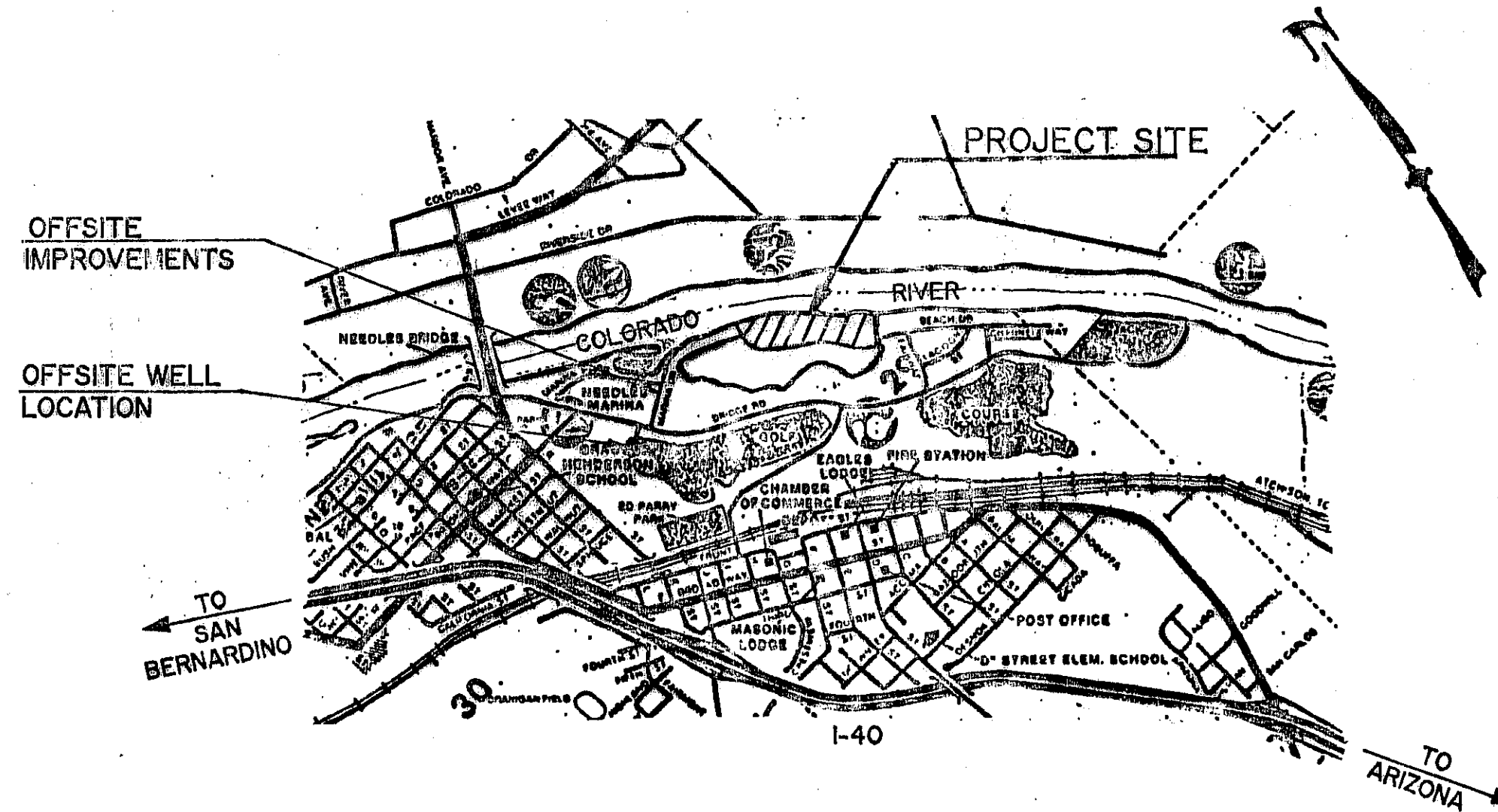
CONSTRUCTION DRAWINGS

PORTOBELLO SINGLE FAMILY RESIDENTIAL DEVELOPMENT

OWNER

KAHALA DEVELOPMENT CORPORATION
2330 PASEO DEL PRADO SUITE #202
LAS VEGAS, NEVADA 89102
(702) 251-3003

VICINITY MAP



ENGINEER


SUMMIT ENGINEERING CORPORATION
3684 S. HIGHLAND DRIVE
LAS VEGAS, NEVADA 89103
PHONE (702)252-3236
FAX (702)252-3247

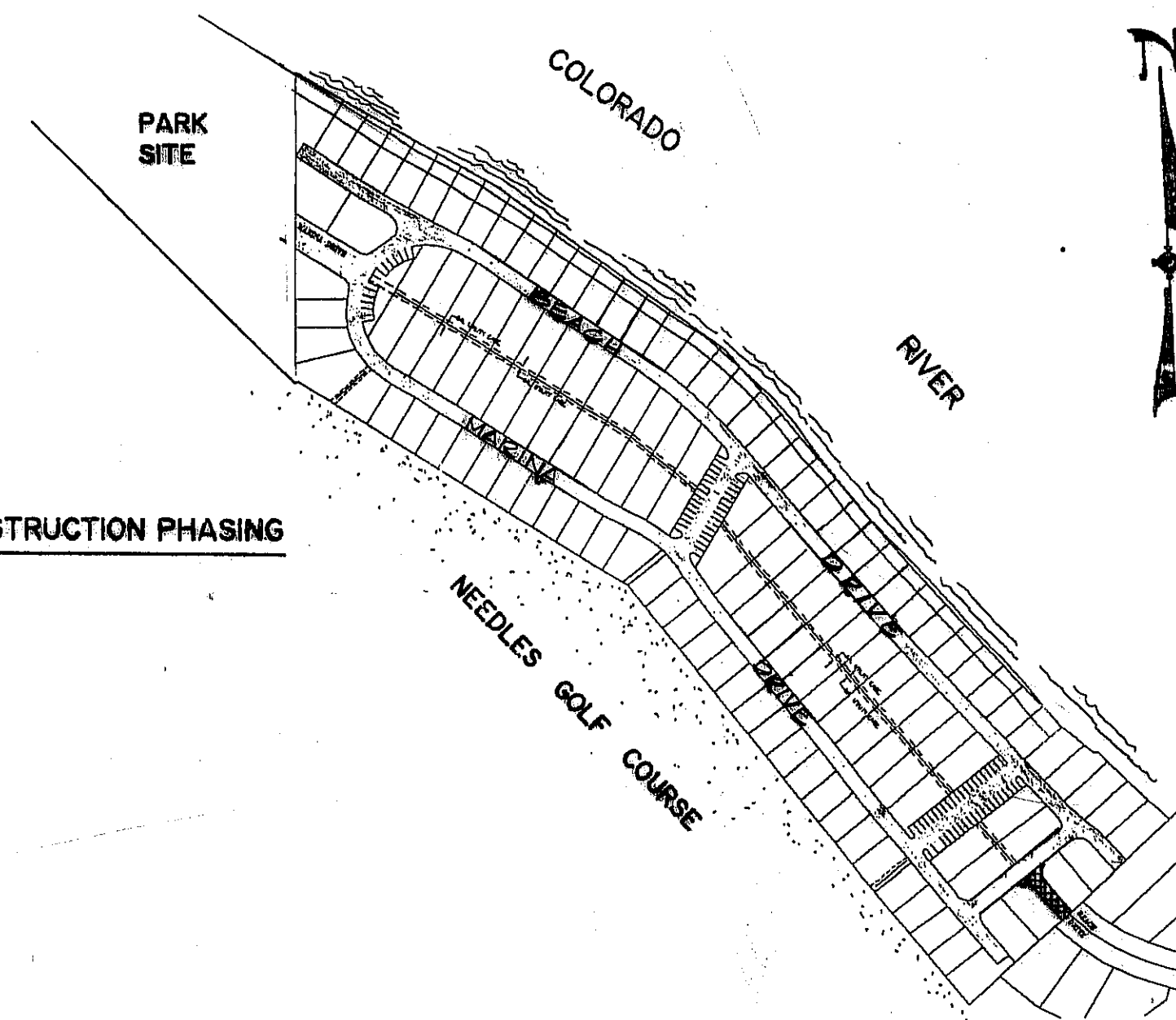
ABBREVIATIONS

A.C.P.	ASBESTOS CEMENT PIPE
A.C.	ASPHALTIC CONCRETE
B.C.	BEGIN CURVE
B.F.	BOTTOM OF FOOTING ELEVATION
B.V.C.	BEGIN VERTICAL CURVE
B.S.	BACK OF SIDEWALK
C.B.	CATCH BASIN
CL	CENTERLINE
CH	CHORD
C.M.P.	CORRUGATED METAL PIPE
CONC.	CONCRETE
C.P.	CONCRETE PIPE
C.R.	CURB RETURN
D.I.	DROP INLET
DET.	DETAIL
E	ELECTRICAL
ELEV.	ELEVATION
E.C.	END OF CURVE
E.V.C.	END OF VERTICAL CURVE
EXIST.	EXISTING
E.G.	EXISTING GRADE
F.F.	FINISHED FLOOR
F.F.C.	FRONT FACE OF CURB
F.G.	FINISHED GRADE
F.H.	FIRE HYDRANT
FL	FLOW LINE
G	GAS
G.B.	GRADE BREAK
HORIZ.	HORIZONTAL
H.S.	HOUSE SERVICE
INT.	INTERSECTION
I.E.	INVERT ELEVATION
LT	LEFT
L	LENGTH
L.F.	LINEAL FEET
M.H.	MANHOLE
P	PAD ELEVATION
PI	POINT OF INTERSECTION
P.R.C.	POINT OF REVERSE CURVATURE
P.O.T.	POINT OF TANGENT
P.V.C.	POLYVINYL CHLORIDE PIPE
PL	PROPERTY LINE
(R)	RADIAL
R	RADIUS
REF.	REFERENCE
R.C.P.	REINFORCED CONCRETE PIPE
R.G.	ROUGH GRADE
RT	RIGHT
R/W	RIGHT OF WAY
S.S.	SANITARY SEWER
S.W.	SIDEWALK
S	SLOPE
SHT	SHEET
STA	STATION
S.D.	STORM DRAIN
T	TANGENT
t	TELEPHONE
T.B.C.	TOP BACK OF CURB
T.C.	TOP OF CURB
T.P.	TOP OF PAVEMENT
TYP.	TYPICAL
VERT.	VERTICAL
V.C.	VERTICAL CURVE
V.P.I.	VERTICAL POINT OF INTERSECTION
W	WATER

SHEET INDEX

1	.....	TITLE SHEET
2	.....	NOTE SHEET
3	.....	SITE PLAN
4	.....	SITE PLAN
5	.....	EXISTING GRADING PLAN / REMOVAL PLAN
6	.....	EXISTING GRADING PLAN / REMOVAL PLAN
7	.....	PROPOSED GRADING PLAN
8	.....	PROPOSED GRADING PLAN
9	.....	MASTER UTILITY PLAN - SEWER & WATER
10	.....	MASTER UTILITY PLAN - SEWER & WATER
11	.....	EXISTING WATER PLAN / REMOVAL PLAN
12	.....	EXISTING WATER PLAN / REMOVAL PLAN
13	.....	EXISTING SEWER PLAN / REMOVAL PLAN
14	.....	EXISTING SEWER PLAN / REMOVAL PLAN
15	.....	DETAIL SHEET

SITE PLAN



PORTOBELLO-CONSTRUCTION PHASING

- PHASE I =
- PHASE II =
- PHASE III =

PROJECT BENCHMARK

U.S. DEPARTMENT OF COMMERCE, COAST AND GEODETIC SURVEY, VERTICAL CONTROL DESIGNATION V 161 AS FOLLOWS:

0.9 MILE SOUTHEAST ALONG THE ATCHISON, TOPEKA & SANTA FE RAILWAY FROM THE STATION AT NEEDLES, SAN BERNARDINO COUNTY, 24 FEET NORTHEAST OF THE EAST BANK OF A SLOUGH, ABOUT 340 FEET SOUTHEAST OF A ROAD CROSSING, IN THE CENTER OF THE TOP OF A 10- BY 12-FOOT SIGNAL BLOCK FOUNDATION, AND 8.7 FEET SOUTHWEST OF THE SOUTHWEST RAIL. A STANDARD DISK, STAMPED "477.624 V 161 1933."

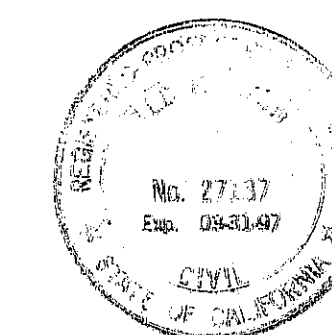
BASIS OF BEARINGS

N 001°43'0" W, BEING THE WEST LINE OF THE E 1/2 OF THE SE 1/4 OF SECTION 29, T9N, R23E, S.B.M., AS SHOWN ON RECORD OF SURVEY BOOK 26, PAGE 64, D.R. OF SAN BERNARDINO COUNTY AND ON TRACT MAP NO. 8986.

SPECIFICATIONS

ALL CONSTRUCTION SHALL CONFORM TO THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION BY AMERICAN PUBLIC WORKS ASSOCIATION, SOUTHERN CALIFORNIA CHAPTER AND BY ASSOCIATED GENERAL CONTRACTORS OF CALIFORNIA, SOUTHERN CALIFORNIA DISTRICTS, STANDARD PLANS BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION AND THE RECOMMENDATIONS OF THE SOILS AND FOUNDATION INVESTIGATION BY SUMMIT ENGINEERING CORPORATION, DATED APRIL 19, 1990 AND ALL ADDENDUM.

APPROVALS:



James Terrence Anspach
Exp. 12/31/97
TED H. LYON RGE. EXP. DATE APRIL DATE 4/15
CITY OF NEEDLES ALTERNATE CITY ENGINEER

CALL BEFORE YOU DIG
1-(714)-528-0322

SUMMIT PROJECT # 70863.1