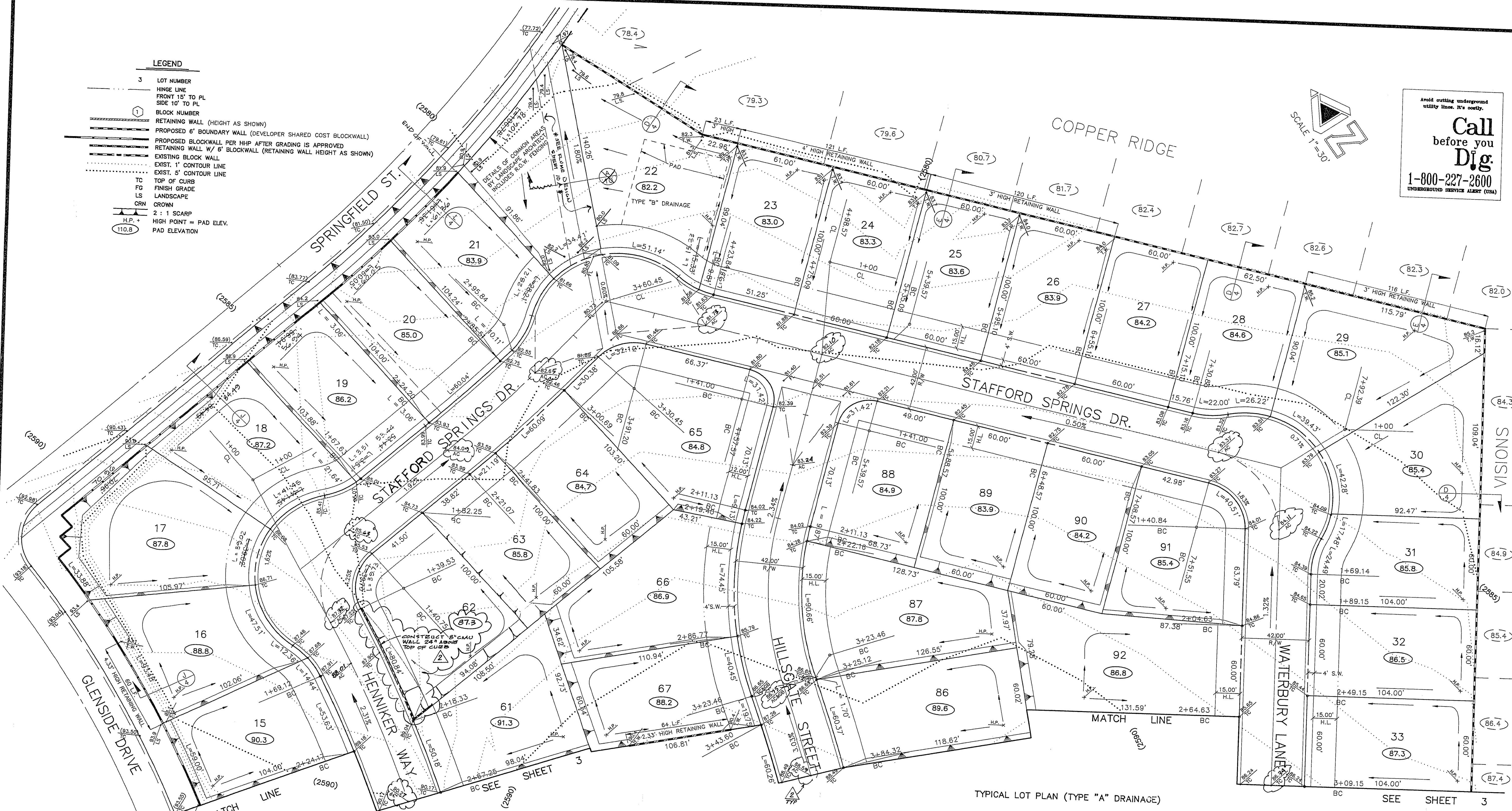
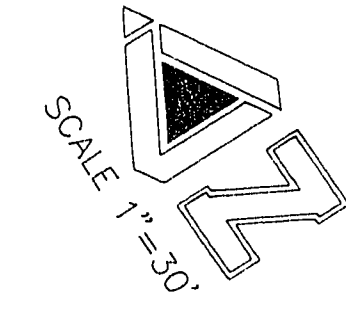




Call
before you
Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)



LEGEND

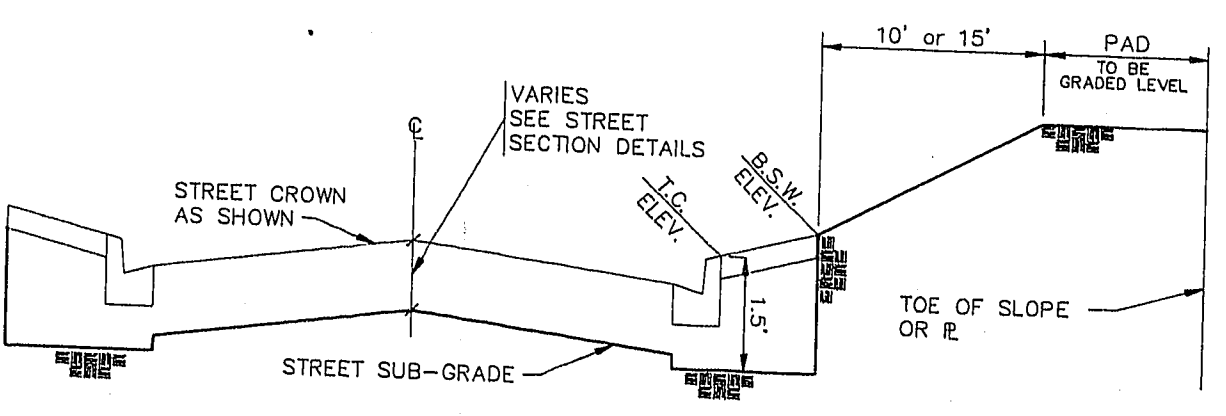
- 3 LOT NUMBER
- HINGE LINE
- FRONT 15' TO PL
- SIDE 10' TO PL
- BLOCK NUMBER
- RETAINING WALL (HEIGHT AS SHOWN)
- PROPOSED 6" BOUNDARY WALL (DEVELOPER SHARED COST BLOCK WALL)
- PROPOSED BLOCK WALL PER HHP AFTER GRADING IS APPROVED
- RETAINING WALL W/ 6" BLOCK WALL (RETAINING WALL HEIGHT AS SHOWN)
- EXISTING BLOCK WALL
- EXIST. 1' CONTOUR LINE
- EXIST. 5' CONTOUR LINE
- TOP OF CURB
- FINISH GRADE
- TO
- LS
- LANDSCAPE
- CRN
- CROWN
- 2:1 SCARP
- H.P. * HIGH POINT = PAD ELEV.
- PAD ELEVATION

DES.	R.W.C.	DR.	A.R.S.	SECTION 20 T.20 S. R.60 E.
SCALE (H) 1"=30' SCALE (V) 1"=30' DES. R.W.C. DR. A.R.S. SECTION 20 T.20 S. R.60 E.				

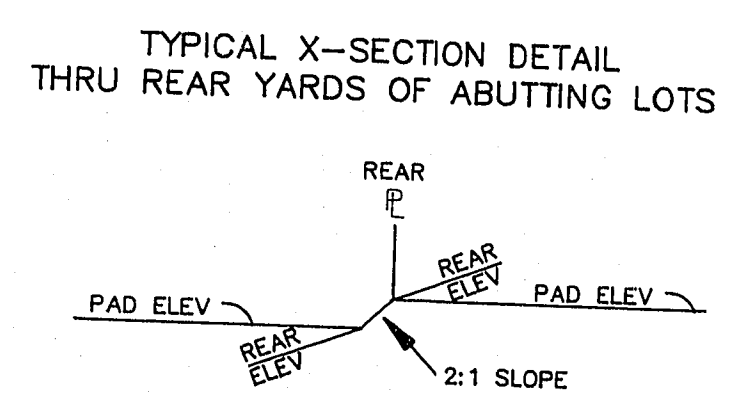
ALCA
ENGINEERING & SURVEYING, INC.
820 S. VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89107-4411
(702) 878-3858 FAX: 878-1092

**HILLCREST ESTATES
GRADING PLAN
(SHEET 1 OF 3)**

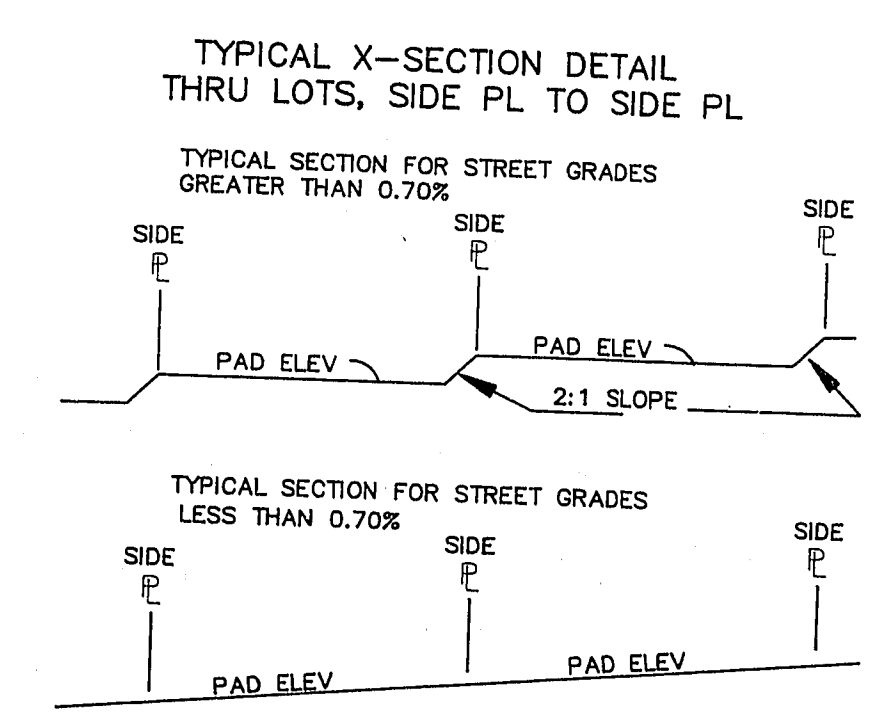
JOB TITLE	NEVADA
JOB NO.	8805-05-12
SHEET 2 OF 11	



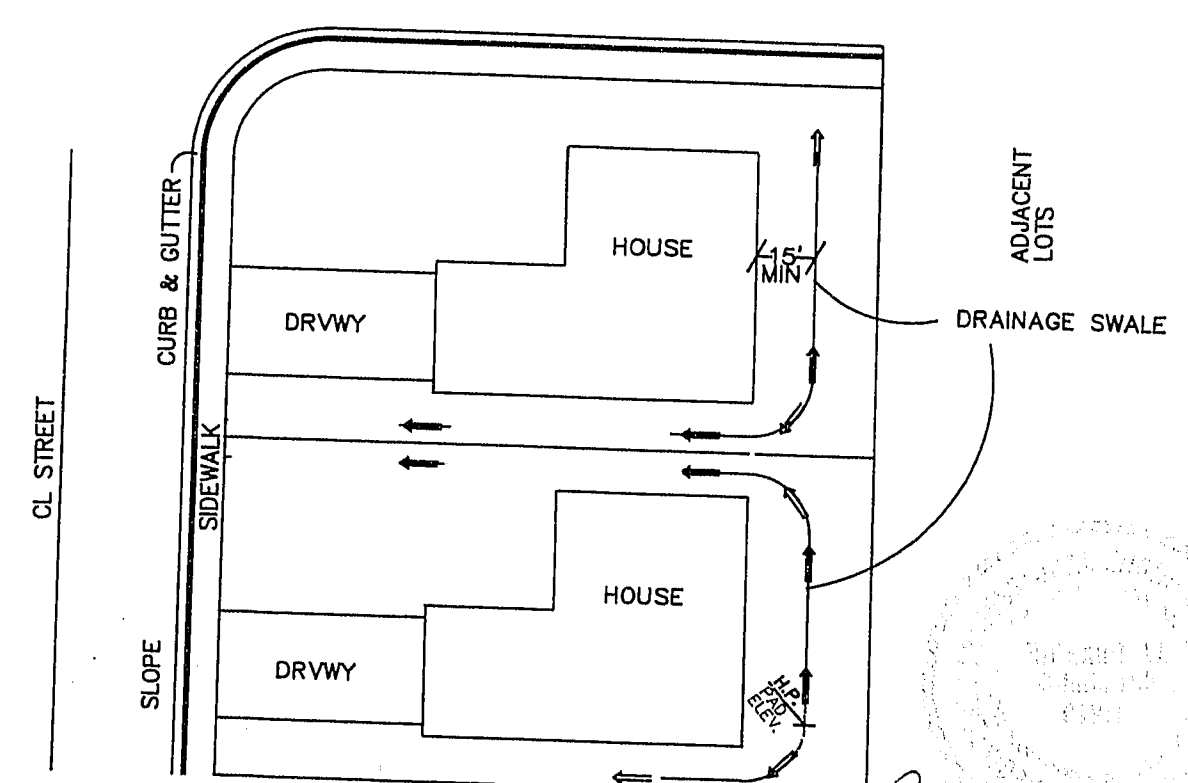
TYPICAL X-SECTION DETAIL
THRU LOTS, - STREET TO PAD
NO SCALE



TYPICAL X-SECTION DETAIL
THRU REAR YARDS OF ABUTTING LOTS



TYPICAL X-SECTION DETAIL
THRU LOTS, SIDE PL TO SIDE PL



TYPICAL LOT PLAN (TYPE "A" DRAINAGE)

- NOTES:**
- FINISH FLOOR SHALL BE PAD ELEV. + 1.0'.
CUT = 37,441 CU. YDS.
FILL = 31,364 CU. YDS.
SHRINKAGE: (10% x 31,364 C.Y.) : 3136 C.Y.
SUBSIDENCE: (0.1" x 20.77 ACRES) : 3351 C.Y.
NET = 410 CU. YDS. (FILL REQ'D ±)
 - THE PROJECT SITE HAS A STOCKPILE OF SUITABLE FILL MATERIAL CONTAINING 3,000 TO 5,000 CU. YDS., ANY EXCESS MATERIAL IS TO BE REMOVED FROM SITE AT COMPLETION OF GRADING.
 - ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH GEOTECHNICAL INVESTIGATION PREPARED BY: WESTERN TECHNOLOGIES INC. FOR PROPOSED HUSITE-VILLAGE 1 PHASE A DEVELOPMENT PROJECT NO. 4126151, DATED: JULY 15, 1986
 - CONCRETE BLOCK RETAINING WALL STRUCTURAL DESIGN, BY OTHERS.

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

Richard W. Gummock
9.10.91
R.W. GUMMOK, P.E. DATE

1074-4193