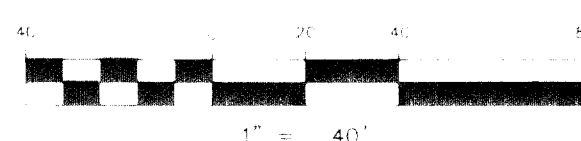


CURVE	LENGTH	RADIUS	TANGENT	DELTA
C23	72.09	919.40	36.06	479.33°
C24	64.97	919.31	32.50	402.58°
C25	71.37	730.50	35.71	535.51°
C26	71.03	730.50	35.54	534.16°
C27	48.86	730.50	24.44	349.57°
C28	22.43	769.50	11.21	140.12°
C29	56.25	769.50	28.14	411.19°
C30	15.57	30.00	7.97	2944.24°
C31	55.60	50.00	31.07	6342.58°
C32	20.34	50.00	10.31	2318.23°
C33	55.72	50.00	31.15	6350.56°
C34	15.92	30.00	8.15	3024.06°
C35	44.44	50.00	23.81	5055.33°
C36	15.92	30.00	8.15	3024.06°
C37	40.46	369.50	20.23	6163.23°
C38	18.77	480.00	9.38	214.24°
C39	75.08	480.00	37.62	857.42°
C40	35.01	480.00	17.51	410.43°
C41	40.36	319.50	20.21	714.19°
C42	16.96	20.00	9.03	4835.25°
C43	14.45	20.00	7.56	4124.35°
C44	17.57	30.00	9.05	3333.26°
C45	29.54	30.00	16.09	5624.41°
C46	55.07	730.50	27.55	419.09°
C47	29.33	730.50	14.67	218.02°
C48	40.97	769.50	20.49	303.02°
C49	70.03	769.50	35.04	512.52°
C50	70.22	769.50	35.13	513.43°
C51	26.10	769.50	13.05	156.37°
C52	44.52	880.27	22.27	253.52°
C53	70.16	880.36	35.10	433.59°
C70	4.96	54.00	2.48	515.29°
C71	21.44	54.00	10.87	2245.31°
C72	37.12	54.00	19.33	3923.03°
C73	85.60	54.00	54.78	9049.30°
C74	96.70	61.00	61.88	9049.30°
C76	39.63	25.00	25.36	9049.30°

ENGINEERS ESTIMATE OF PUBLIC FLOOD CONTROL REQUIRED QUANTITIES

QUANTITY	DESCRIPTION
290 LF	2 COURSE SOLID GROUTED STEW WALL
290 LF	3 COURSE SOLID GROUTED STEW WALL
550 LF	3 COURSE SOLID GROUTED WALL
240 LF	1 COURSE SOLID GROUTED WALL
3100 SF	DRAINAGE EASEMENT
166 SF	GROUTED RIP-RAP 350W=0.5

GRAPHIC SCALE



Avoid cutting underground utility lines. No cuts.

Call before you Dig
1-800-227-2600

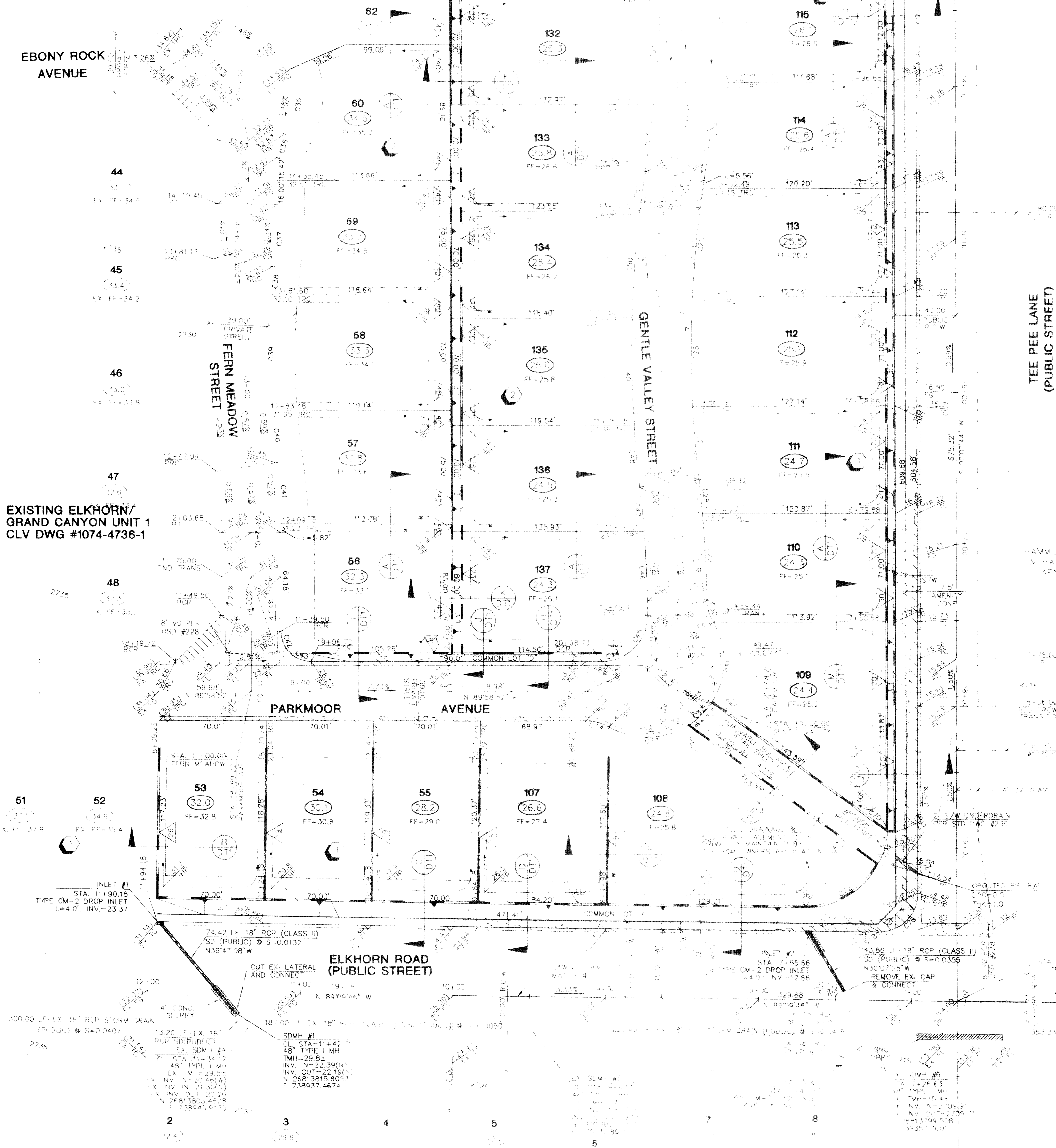
Avoid overhead cover the correct. No cuts.

Call before you Overhead
1-702-593-6111

Call before you Undergrnd

BENCHMARK:
PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88)
PROJECT BENCHMARK: CITY OF LAS VEGAS BENCHMARK 9LV9018C4
NAV88 ELEVATION: 845.788.3 METERS (2774.89 FEET)
PIVOT AND PLATE: IN CONCRETE CYLINDER SW CORNER OF FARM AND GRAND CANYON
EQUATION = CLV BM 9LV9018C4 + 20' = PROJECT ELEVATIONS

BASIS OF BEARING
THE BASIS OF BEARINGS FOR THIS PROJECT IS NORTH 00°06'46" WEST BEING THE WEST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 18, TOWNSHIP 19 SOUTH, RANGE 60 EAST, W.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE, IN FILE 114 AT PAGE 57.

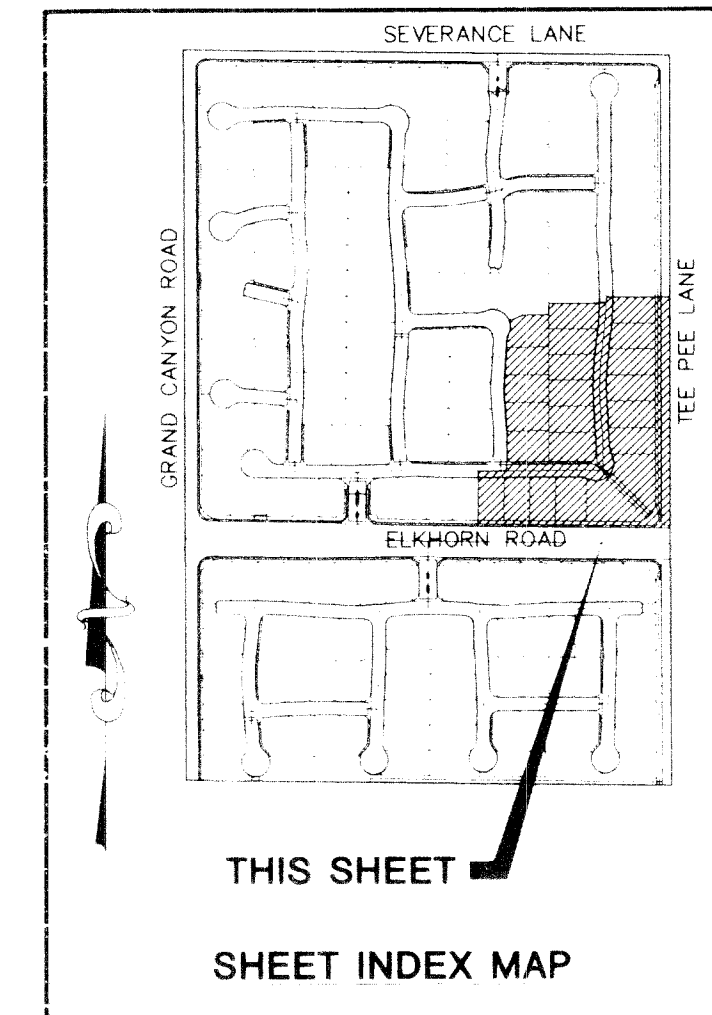
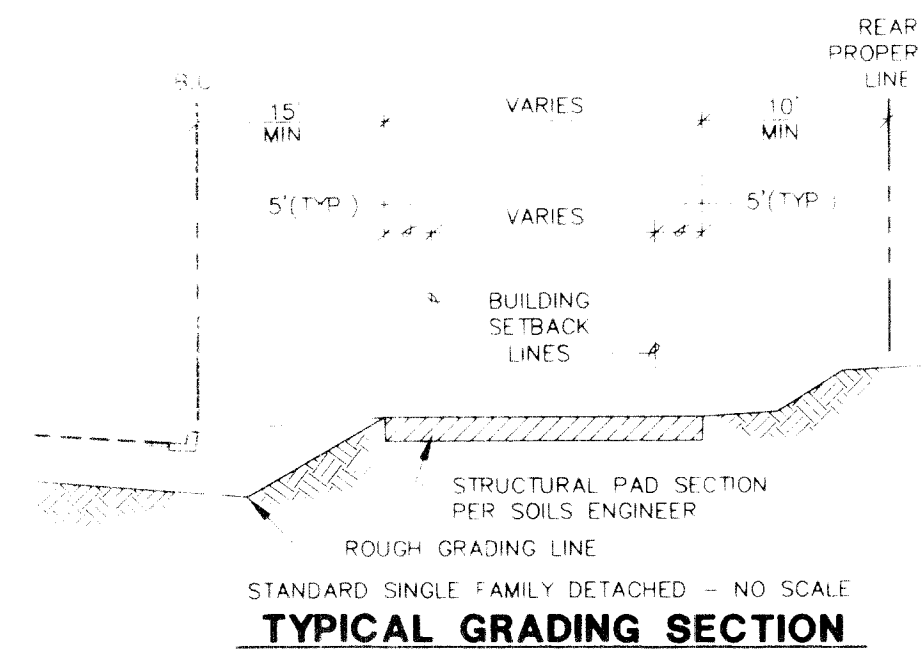
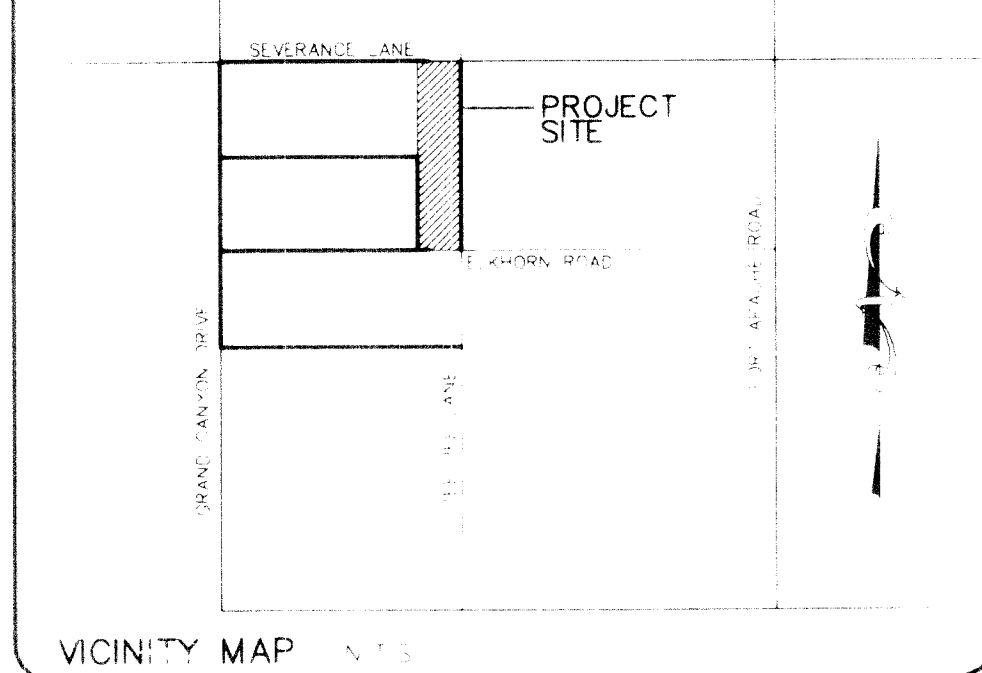


EXISTING ELKHORN/
GRAND CANYON UNIT 3
CLV DWG #1074-4736-3

EXISTING ELKHORN/
GRAND CANYON UNIT 3
CLV DWG #1074-4736-3

HC RAMP DATA

A	L	R	A	L	R
1	2	3	4	5	6



NOTE:
ALL DRAINAGE EASEMENTS MUST BE COMMON LOTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY THE HOMEOWNERS ASSOCIATION

NOTE:
ALL PRIVATE STREETS ARE P.U.E. (PUBLIC SEWER EASEMENTS), AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY HOA

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.

DANIEL J. HOOD P.E. NO. 12811 DATE

PERMA-BILT HOMES
CITY OF LAS VEGAS, NEVADA

GRADING PLAN

DRAWN BY: 2/2/07 GJ
DESIGNED BY: 2/2/07 GJ
CHECKED BY: 2/2/07 GJ
DATE: 2/2/07

PROFESSIONAL ENGINEER - STATE OF NEVADA
DANIEL J. HOOD
12811
G2
6/22/07
10744736-4