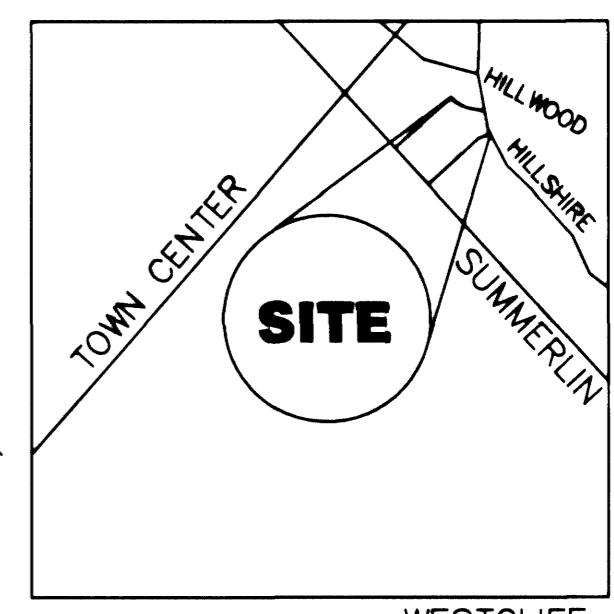


Call before you Dig.
1-800-227-2600

PROPOSED FF = 49.0
PROPOSED NEVADA BENEFITS
BY SOUTHWEST ENGINEERING
CLV PLAN #107-V3446

APN 138-30-510-009
CLV PLAN #107-V3052
EX. FF = 43.5±



VICINITY MAP

BASIS OF BEARINGS

N 83°06'41" W BEING THE CENTER LINE OF HILLWOOD DR. PER PLAT BK. 51, PG. 28.

BENCHMARK

CITY OF LAS VEGAS B.M. #0LV00 1954, RIVET & ALUM. PLATE IN TC @ NE COR. OF TOWN CENTER DRIVE & SOUTH CIRCLE ISLAND NAVD '88 ELEV. = 831.6074 M = 2728.37'
TOPOGRAPHIC INFORMATION PROVIDED BY WESCO SURVEYS, INC., DATED 3/1/01

LEGEND

- CL --- CENTERLINE
- R/W --- RIGHT-OF-WAY
- FG --- FINISH GRADE
- FL --- FLOW LINE
- EX --- EXISTING
- TC --- TOP OF CURB
- BCR --- BEGIN CURVE RETURN
- SVRZ --- SIGHT VISIBILITY RESTRICTION ZONE
- PT --- POINT OF TANGENCY
- PC --- POINT OF CURVATURE
- NC --- NATURAL GROUND CONTOUR
- FF --- FINISH FLOOR

REFERENCE

APN 138-30-510-013

LEGAL DESCRIPTION

POR. NW1/4 NE1/4 SEC. 30, T.20S, R.80E, M.D.M., CITY OF LAS VEGAS, CLARK CO., NV. SURVEY AREA 5, R.O.S., FILE 113, PAGE 55; R.O.S., FILE 115, PAGE 52 LOT 3, PLAT BOOK 51, PAGE 26 COMMON AREA "S", PLAT BOOK 51, PAGE 26

SOILS REPORT

TERRACON 4343 S. POLARIS AVENUE L.V., NV 89103 (702) 597-9393 #64975182, DATED JUNE 4, 1997

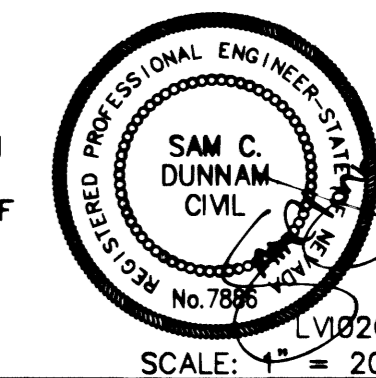
FLOOD ZONE DESIGNATION

UN-SHADED FLOOD ZONE "X" COMMUNITY MAP NUMBER 32576 C 2145 D AUGUST 16, 1995

CONSTRUCTION NOTES

- 1) 5' SIDE WALK PER S.I.S. DWG # S-72
- 2) "L" TYPE CURB & GUTTER PER S.I.S. DWG #S-47
- 3) "A" TYPE CURB PER S.I.S. DWG #S-50
- 4) CONCRETE SIDE WALK PER S.I.S. DWG #S-54 (PATTERN TO MATCH EX. PHASE I)
- 5) PLANTER AREA
- 6) TRASH ENCLOSURE PER ARCHITECTURAL PLANS (MATCH EX. GRADES)
- 7) AC PAVING PER SOILS REPORT AUTO PARKING 2" AC/3" TYPE II MAIN CORRIDOR 3" AC/3" TYPE II
- 8) 24" VALLEY GUTTER PER DETAIL SHT #13
- 9) SIDE WALK RAMP PER STD DWG # 235 CASE I CURVE SLOPE "A" "B" C21 -0.98% 8'0" 8.0 C20 +3.71% 12'0" 4.5' C15 +2.63% 9'5" 4.5'
- 10) 9 RISERS @ 5-1/2" EACH
- 11) 11 RISERS @ 6" EACH
- 12) 8" CROSS GUTTER PER S.I.S. DWG #S-84
- 13) 2 RISERS @ 4" EACH
- 14) EX. IRRIGATION BOX & VALVES TO BE RELOCATED
- 15) 6" RISE/RAMP w/ DETECTABLE WARNINGS
- 16) DEPRESS CURB FOR ACCESSIBLE ROUTE
- 17) LANDSCAPE/WALKWAY UNDER DRAIN PER S.I.S. DWG #D-31 (WIDTH = 24")
- 18) "ANCHOR DIAMOND" RETAINING WALL PER SECTION SHT #13
- 19) OMIT "A" CURB @ EX. MAN HOLE COVER
- 20) REMOVE EX. TRASH ENCLOSURE & INSTALL AC PAVING TO MATCH EX. SECTION (MATCH EX. GRADES)
- 21) REMOVE EX. AC PAVING & COVERED PARKING TO ALLOW INSTALLATION OF NEW STEPS, "A" CURB, & PLANTER AREA
- 22) "ANCHOR DIAMOND" RETAINING WALL AS NECESSARY TO A MAXIMUM HEIGHT OF 36"
- 23) SEE SECTION SHT #13
- 24) SEE SECTION SHT #14
- 25) REMOVE EX. & RELOCATE COVER PARKING STRUCTURE (SEE ARCHITECTURAL PLANS)
- 26) D50=8" ROCK (12" THICK) ROCK COLOR TO MATCH SURROUNDING AREA (SEE SECTION SHT #13)
- 27) SEE SECTION SHEET #13
- 28) DRAIN PER DETAIL SHT #13

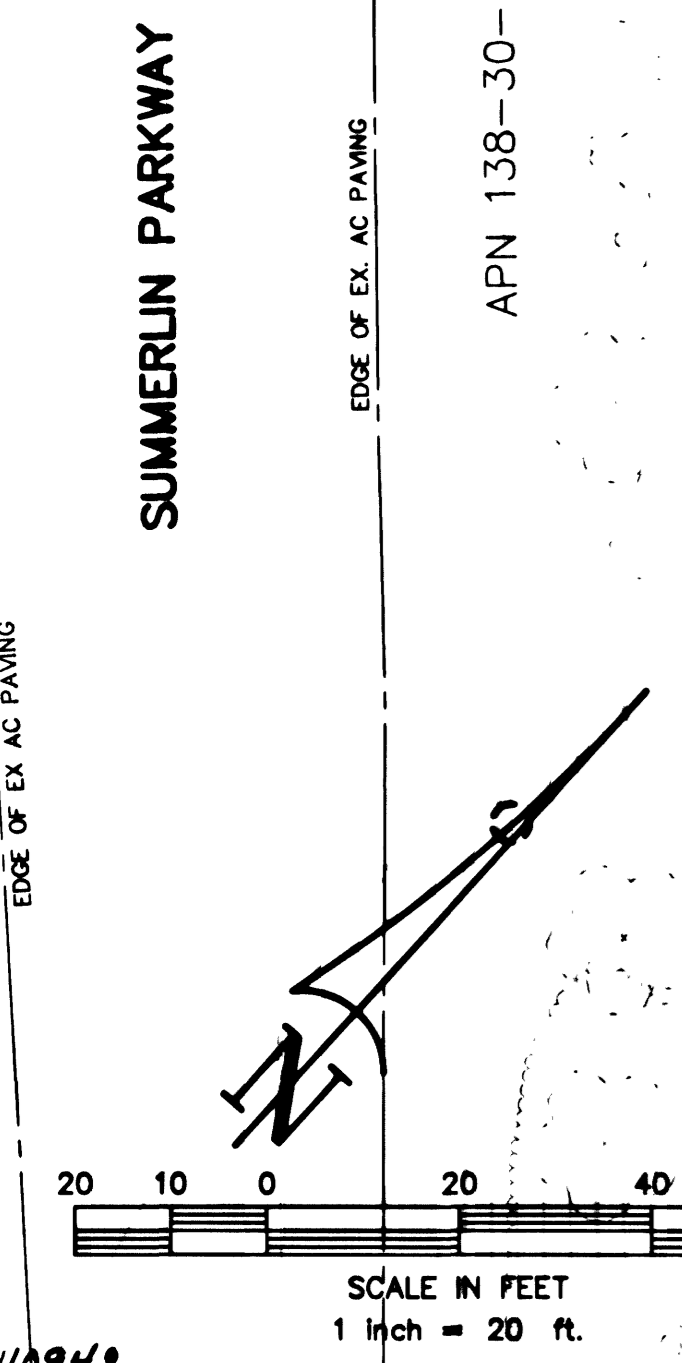
I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT



SAM C. DUNNAM, P.E. DATE SCALE: 1" = 20'

BACK OF CURB CURVE TABLE

CURVE	RADIUS	DELTA	ARC	CHORD	TANGENT
C1	5.00	95°27'09"	6.33	7.40	5.50
C2	5.00	84°32'51"	7.38	6.73	4.55
C3	2.50	91°39'10"	4.00	3.59	2.57
C4	26.00	88°20'50"	40.09	36.24	25.26
C5	27.00	83°22'01"	39.29	35.81	24.04
C6	2.50	96°37'59"	4.22	3.73	2.81
C7	2.50	89°10'21"	3.89	3.51	2.48
C8	25.00	90°49'39"	39.83	35.81	25.36
C9	5.00	84°32'51"	7.38	6.73	4.55
C10	28.00	82°53'48"	40.51	37.07	24.73
C11	5.00	102°33'21"	8.95	7.80	6.24
C12	5.00	90°00'00"	7.85	7.07	5.00
C13	4.00	95°27'09"	6.66	5.92	4.40
C14	4.57	211°54'45"	16.82	8.80	16.42
C15	30.00	84°48'04"	44.40	40.46	27.39
C16	4.97	180°59'08"	15.70	9.94	577.98
C17	5.00	89°40'57"	7.83	7.05	4.97
C18	5.00	74°13'03"	6.48	6.03	3.78
C19	5.00	112°23'51"	9.81	8.31	7.47
C20	25.00	88°19'00"	38.54	34.83	24.28
C21	15.00	90°00'00"	23.56	21.21	15.00
C22	5.00	90°00'00"	7.85	7.07	5.00
C23	855.00	2°39'55"	39.77	39.77	19.89
C24	914.00	1°09'35"	18.50	18.50	9.25
C25	905.00	1°04'35"	17.00	17.00	8.50
C26	897.00	0°50'12"	13.10	13.10	6.55
C27	855.00	1°01'13"	15.23	15.23	7.61



40948

NO.	DATE	REVISION

DUNNAM CIVIL ENGINEERS
702 798-1088
702 367-6945 FAX
3471 WEST COLENDRO ROAD
SUITE 101
LAS VEGAS, NV 89108

LAS VEGAS DENTAL INSTITUTE PHASE II
GRADING PLAN

SHEET 9 OF FOURTEEN
CLV DRAWING # 107-V2878-3