

NOTES:

- HUNSAKER & ASSOCIATES SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
- ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY OF LAS VEGAS.
- FOR AREAS THAT ARE FLATTER THAN 2:1 SLOPE, OR LESS THAN 1" ELEVATION DIFFERENCE, SCARPS ARE NOT SHOWN ON PLAN FOR CLARITY PURPOSES.
- ADD 2200' TO ALL ELEVATIONS SHOWN.
- GRADING AND STRUCTURAL SECTIONS SHALL CONFORM TO SOILS REPORT PREPARED BY TERRACON CONSULTANTS WESTERN, INC. REFERENCE PROJECT NO. 844633A, DATED NOVEMBER 1, 1994.
- ALL SLOPE AREAS SHALL HAVE A MINIMUM ONE FOOT SHOULDER NEXT TO WALL PRIOR TO STARTING SLOPE.
- REFER TO SHEET 9 OF 9 FOR SECTIONS AND DETAILS.
- PAD SECTION SHOWN ON PLANS IS FOR REFERENCE ONLY. FOR ACTUAL SECTION, REFER TO GEOTECHNICAL REPORT FOR SOILS ENGINEERS RECOMMENDATION.

KEY NOTES:

- CONSTRUCT 2" AC PAVING OVER 4" TYPE II BASE ON 8" TYPE I BASE PER STANDARD DRAWING NO. 207. SEE SHEET 9 FOR STREET SECTION.
- CONSTRUCT 1" CURB PER CITY STANDARD DWG. NO. 216.
- SAW CUT AND REMOVE EXISTING CURB.
- CONSTRUCT 8" WIDE CROSS GUTTER PER CITY STD. DWG. NO. 228.
- CONSTRUCT 5" WIDE CONCRETE SIDEWALK PER CITY STD. DWG. NO. 234.
- CONSTRUCT SIDEWALK RAMP PER CITY STD. DWG. NO. 235, CASE 1. REFER TO SIDEWALK RAMP TABLE FOR "A" AND "B" LENGTHS.
- CONSTRUCT 6" DECORATIVE MASONRY BLOCK WALL PER CITY STANDARDS AND SPECIFICATIONS.
- CONSTRUCT RETAINING WALL BELOW MASONRY WALL PER CITY STANDARDS AND SPECIFICATIONS.
- CONSTRUCT RETAINING WALL PER CITY STANDARDS AND SPECIFICATIONS.
- INSTALL SIDEWALK DRAIN PER CITY STANDARD DWG. NO. 236.
- SAW CUT AND MATCH EXISTING PAVING.
- CONSTRUCT 8" WIDE CROSS GUTTER PER CITY STD. DWG. NO. 228.
- PROVIDE WROUGHT IRON GATES AT EASEMENT OPENING.

GRADING NOTE:

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

LEGEND:

- 100.00, DESIGN ELEVATION
- (100.00) EXISTING ELEVATION
- AC ASPHALTIC CONCRETE
- TC TOP OF CURB
- TOW TOP OF RETAINING WALL
- FG FINISH GRADE
- GB GRADE BREAK
- HP HIGH POINT
- PE PAD ELEVATION
- FF FINISH FLOOR
- FL FLOWLINE
- SLOPE DIRECTION
- SWALE/FLOWLINE
- GRADE BREAK
- 2:1 SCARP (TYPICAL)
- 1 EXISTING CONTOUR (1' INTERVAL)
- 5 EXISTING CONTOUR (5' INTERVAL)
- CONSTRUCTION NOTES
- LOT NUMBER
- PAD ELEVATION
- FINISH FLOOR ELEVATION
- PROPOSED PAVING AREA
- SHADED AREA DENOTES PROPOSED PAVING AREA
- BLOCK NUMBER
- 6" PERIMETER WALL
- RETAINING WALL (W/PERIMETER WALL)
- RETAINING WALL

ESTIMATED EARTHWORK QUANTITIES:

RAW VOLUME: CUT - 9,850 CYS
FILL - 14,800 CYS
SHRINKAGE (15% OF FILL VOLUME): 2,200 CYS
SUBSIDENCE (0.10% OF TOTAL AREA): 1,000 CYS
ADJUSTED VOLUME: CUT: 9,850 CYS
FILL: 16,800 CYS

NOTE: CONTRACTORS SHALL CALCULATE THEIR OWN QUANTITIES FOR BIDDING PURPOSES

CURVE DATA: (BACK OF CURB)

STATION	PC	PT	PI	LC	EC	EA
1	20+00	20+50	20+25	100.00	100.00	100.00
2	20+50	21+00	20+75	100.00	100.00	100.00
3	21+00	21+50	21+25	100.00	100.00	100.00
4	21+50	22+00	21+75	100.00	100.00	100.00
5	22+00	22+50	22+25	100.00	100.00	100.00
6	22+50	23+00	22+75	100.00	100.00	100.00
7	23+00	23+50	23+25	100.00	100.00	100.00
8	23+50	24+00	23+75	100.00	100.00	100.00
9	24+00	24+50	24+25	100.00	100.00	100.00
10	24+50	25+00	24+75	100.00	100.00	100.00
11	25+00	25+50	25+25	100.00	100.00	100.00
12	25+50	26+00	25+75	100.00	100.00	100.00
13	26+00	26+50	26+25	100.00	100.00	100.00
14	26+50	27+00	26+75	100.00	100.00	100.00
15	27+00	27+50	27+25	100.00	100.00	100.00
16	27+50	28+00	27+75	100.00	100.00	100.00
17	28+00	28+50	28+25	100.00	100.00	100.00
18	28+50	29+00	28+75	100.00	100.00	100.00
19	29+00	29+50	29+25	100.00	100.00	100.00
20	29+50	30+00	29+75	100.00	100.00	100.00

SIDEWALK RAMP TABLE:

RAMP#	"A" DIST.	"B" DIST.
SW1	9.5'	8.0'
SW2	9.5'	9.5'
SW3	9.5'	8.0'
SW4	8.0'	8.0'
SW5	8.0'	8.0'
SW6	8.0'	8.0'
SW7	8.0'	8.0'
SW8	8.0'	8.0'
SW9	8.0'	8.0'
SW10	8.0'	8.0'
SW11	8.0'	8.0'
SW12	9.5'	9.5'
SW13	9.5'	9.5'
SW14	8.0'	8.0'
SW15	8.0'	8.0'

QUANTITIES:

2" AC PAVING: 11,600 S.Y.
TYPE II BASE: 1,000 C.Y.
TYPE III BASE: 2,000 C.Y.
1" CURB: 5,010 L.F.
5" WIDE SIDEWALK: 26,050 S.F.
SIDEWALK UNDERDRAIN: 4,100 S.F.
SIDEWALK RAMPS: 15 EA.
6" PERIMETER WALL: 2,040 L.F.

A.P.N. 138-09-801-010

APN# 138-09-004-001 UNDEVELOPED

NORTHSHORE - PHASE II
LOT "H"
APN# 138-09-301-010

SCALE: 1"=40'

REVISIONS

NO.	DESCRIPTION	BY	DATE	APPR.
1	ISSUED FOR PERMIT	JWA	01/95	
2	REVISED STREET NAMES	JWA	01/95	
3	REVISED RETAINING WALL HEIGHT	JWA	01/95	
4	REVISED SIDEWALK, ADDED RETAINING WALL	JWA	01/95	
5	ADDED RETAINING WALL	JWA	01/95	

PREPARED BY:

Planning

Engineering

Surveying

Hunsaker & Associates, Inc.

Las Vegas, Nevada

Travis • San Bernardino • San Diego • Las Vegas

DOCUMENT NO. 1306

NORTHSHORES PHASE I

LOT "C" - UNIT 1

GRADING PLAN

LAS VEGAS, NEVADA

SCALE(H): 1"= 40

SCALE(V): 1"= --

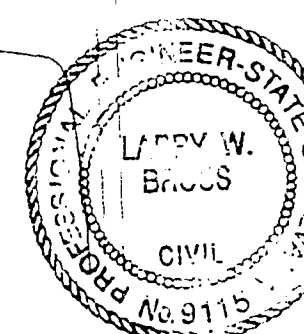
DES. BY: JWA

DWN. BY: JWA

DATE: 01/95

PROJECT NO. 1221-16

SHEET 4 OF 9



BENCHMARK:

CITY OF LAS VEGAS BENCHMARK, STATION OLVD0515NINE
RIVET & PLATE IN TOP OF CURB, SW RETURN OF CHEYENNE AVENUE
AND SOARING GULLS DRIVE.
ELEVATION = 2430.417' (NAVD88)

BENCHMARK COORDINATION:

THE CITY OF LAS VEGAS BENCHMARK USED FOR THIS PLAN(SHOWN ABOVE) IS 2.43' HIGHER THAN THE CITY OF LAS VEGAS BENCHMARK USED BY VIN, NEVADA (BM OLVD0071NINE) FOR NORTHSHORES PHASE 1A IMPROVEMENT PLANS. THE CITY OF LAS VEGAS REFERENCE NUMBER FOR THESE PLANS IS 107Y-4318-1A.

* FINISH GRADE ELEVATIONS SHOWN ARE THE ESTIMATED EXISTING GRADES AT THE PROPERTY LINE AND ARE BASED ON AN AERIAL TOPOGRAPHY. CONTRACTOR SHALL FIELD VERIFY ELEVATIONS, AND INSURE NECESSARY COVERAGE ON FOOTINGS WHILE MAINTAINING THE HEIGHT AND INTEGRITY OF THE EXISTING OFFSITE SLOPE.

107Y-4318-1-G1