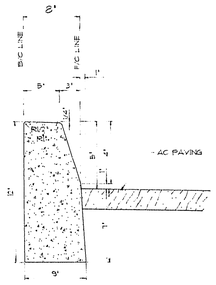
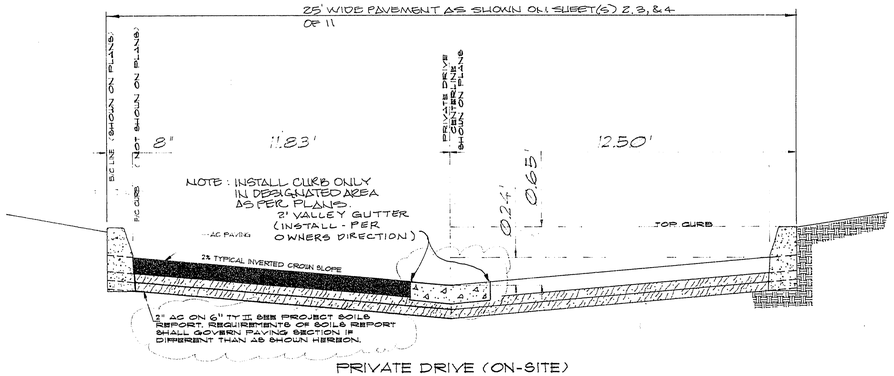
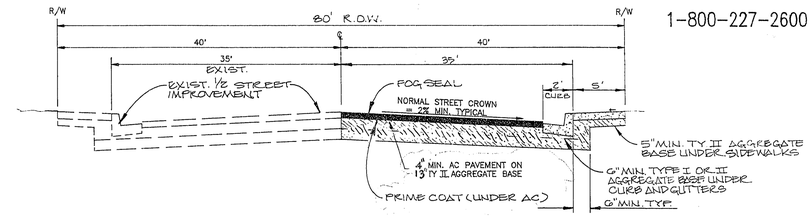



"A" CURB
ONSITE ONLY
SCALE: NOT TO SCALE




PRIVATE DRIVE (ON-SITE)
TYPICAL SECTION
SCALE: NOT TO SCALE

CALL BEFORE YOU DIG
1-800-227-2600




TYPICAL SECTION OF IMPROVEMENT FOR 80' R/W
MICHAEL WAY (PER STD DWG. NO. 205)
SCALE: NO SCALE

NOTES:
1. FINAL A.C. PAVEMENT SURFACE SHALL BE 1/2" ABOVE LIP OF GUTTER, EXCEPT SWK. RAMPS
2. STRUCTURAL SECTION SHOWN IS BASED ON AN "R" VALUE OF 20. OTHER STRUCTURAL SECTIONS MAY BE APPROVED IF BASED ON ENGINEERING ANALYSIS BASED ON "R" OF "CBR" VALUES DETERMINED BY SOIL TESTING. IN NO CASE SHALL THE THICKNESS BE LESS THAN SHOWN.

NOTE: IMPROVEMENTS FOR SMOKE RANCH ROAD ARE EXISTING, EXCEPT FOR THE SIDEWALK FRONTING THIS SITE - WHICH IS TO BE CONSTRUCTED AS A PORTION OF THIS PROJECT. THEREFORE NO TYPICAL SECTION FOR SMOKE RANCH ROAD IS SHOWN HEREON.

## REVISIONS

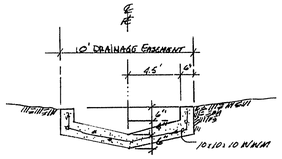
Reprinted for & Corrected 3/23/92 DLL
3/10/93 BES
Drainage TY Section per 2015 Report & added Valley Gutter, Title Block changed
8/20/93 PDV

SCALE AS SHOWN

DRAWN BY PSS

## GENERAL LEGEND

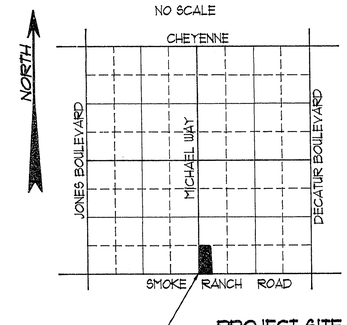
| | |
|---|---|
| ASSESSOR'S PARCEL # | APN |
| PARCEL MAP | PM |
| TENTATIVE MAP | TM |
| FINAL MAP | FM |
| EXIST. ORIGINAL GROUND | OG or EG |
| SURFACE FINISHED GRADE | FG |
| CENTERLINE | CL or ℄ |
| PROPERTY LINE | PL or ℗ |
| RIGHT-OF-WAY LINE | R/W |
| FLOWLINE | FL or ℄ |
| ASPHALTIC CEMENT PAVING | AC |
| EDGE OF PAVEMENT/ROAD | EOP, EP, EOR, ER, EAC |
| EXIST AC | EAC |
| FINISH FLOOR ELEV | FF |
| EXISTING ELEVATION | (XXXX) |
| PROPOSED ELEVATION | XXXX |
| FENCE LINE | —X—X—X— |
| CONTOUR - EXISTING | CONTINUOUS 42 |
| CONTOUR - PROPOSED | DASHED 42 |
| UTILITY VALVE | PROPOSED / EXIST. |
| FIRE HYDRANT - EXISTING | OUTLINE |
| FIRE HYDRANT - PROPOSED | SOLID |
| ST. LIGHT - EXISTING | OUTLINE |
| ST. LIGHT - PROPOSED | SOLID |
| UTILITY - EXISTING | DASHED LINE TYPE AS NOTED |
| UTILITY - PROPOSED | CONTINUOUS LINE TYPE AS NOTED |
| BLOCK (CMU) WALL | |
| STORM DRAIN/SEWER | SD |
| SANITARY SEWER | SS |
| MANHOLE | MH, TY AS NOTED |
| CLEANOUT | CO |
| ANGLE POINT | ∠pt |
| POLYVINYL CHLORIDE PIPE | PVC |
| CORRUGATED METAL PIPE | CMP, CMAP (ARCH TYPE) |
| REINFORCED CONCRETE PIPE | RCP or RCAP (ARCH TYPE) |
| ASBESTOS CEMENT PIPE | ACP |
| TOP (BACK) OF CURB | TC, TBC, TBC |
| BACK (TOP) OF CURB | BC, BAC |
| BACK OF SIDEWALK | BSW |
| TOP OF FOOTING | TF, TFG, TFTG |
| INVERT OR FLOWLINE | INV or FL |
| DRAINAGE EASEMENT | DE |
| UTILITY EASEMENT | UE |
| PUBLIC UTILITY EASEMENT | PUE |
| BUILDING SETBACK LINES/LIMITS | BS or BSL |
| SCARP OR SLOPE FACE | |
| ROCK RIP-RAP | |
| CONCRETE | |




10' WIDE CONC. CHANNEL @ NE CORNER (OUTLET TO CUL-DE-SAC OF PROJ. SITE
SCALE: NOT TO SCALE

## PROJECT VICINITY MAP

NO SCALE




PROJECT SITE
'SMOKE RANCH VILLAS'

## PROJECT BENCHMARK

BC00034, BRASS CAP ON TOP OF CURB AT NORTHEAST CORNER OF THE SMOKE RANCH ROAD - MICHAEL WAY INTERSECTION.
ELEVATION = 2224.64

## BASIS OF BEARINGS

988-42-42E, BEING THE CENTERLINE OF SMOKE RANCH ROAD, AS SHOWN ON DWG L-1B2, SHEET 8 OF 25, CLARK COUNTY, DEPT. OF PUBLIC WORKS.

## OWNER AND DEVELOPER

M. W. ECKHAUS, TRUSTEE OF THE
M. W. ECKHAUS LIVING TRUST
6441 COLDWATER CANYON #07
NORTH HOLLYWOOD, CALIFORNIA, 91606

## LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

1. NO WORK SHALL BEGIN ON THE WATER PLANS UNTIL THEY HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVWD. FOLLOWING APPROVAL OF THE PLANS, NOTICE SHALL BE GIVEN TO THE LVWD CUSTOMER SERVICE DEPARTMENT (870-4194) 48 HOURS PRIOR TO ACTUAL CONSTRUCTION, AND 24 HOURS PRIOR TO AN INSPECTION.
2. CALL BEFORE YOU DIG 1-800-227-2600.
3. ALL WORK SHALL CONFORM TO LVWD LATEST STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS.
4. ALL WORK, EXCEPT AS MODIFIED HEREON OR BY NOTE 3, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAT OR ADDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, CLARK COUNTY AREA.
5. DISTRICT APPROVED SERVICE SADDLES OR TAPPED COLLARS SHALL BE REQUIRED ON ALL 3/4" AND 1" SERVICE LATERALS. SERVICE SADDLES ONLY SHALL BE PERMITTED ON 1-1/2" AND 2" SERVICE LATERALS. DOUBLE TAPPED COLLARS ARE NOT PERMITTED.
6. COPPER SERVICE LATERALS: ALL 3/4" TO 2" SERVICE LATEPALS SHALL BE OF COPPER TUBING IN ACCORDANCE WITH THE DISTRICT'S SPECIFICATION TITLED "3502 - COPPER WATER TUBING".
7. THE MAXIMUM ALLOWABLE JOINT DEFLECTION FOR ACP AND DUCTILE IRON PIPE SHALL BE AS FOLLOWS;

| PIPE SIZES | ACP | DUCTILE IRON SLIP JOINT | DUCTILE IRON MECHANICAL JOINT |
|---|---|---|---|
| 6 INCH | 2.5 DEGREES | 2.5 DEGREES | 3.5 DEGREES |
| 8-12 INCH | " " | " " | 2.5 " |
| 14-16 INCH | 2 DEGREES | 1.5 " | 1.5 " |
| 18-24 INCH | N/A | 1.5 " | 1.5 " |

ON PVC PIPE, THE MAXIMUM OFFSET FOR A 20' LENGTH OF FACTORY BELLED PIPE SHALL BE 16 INCHES FOR 6" PIPE, 12 INCHES FOR 8" PIPE, AND 9 INCHES FOR 10" AND 12" PIPE.

IF THESE OFFSETS CONFLICT WITH THE PIPE MANUFACTURERS RECOMMENDATION, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

8. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
9. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS AND VALLEY GUTTERS.
10. DETECTOR TAPE SHALL BE REQUIRED IN ACCORDANCE WITH STANDARD PLATE NO. 27 WHERE INDICATED, AND AS FOLLOWS;
    a) OVER ALL MAINS NOT INSTALLED 6 FEET FROM BACK OF CURB.
    b) OVER ALL SERVICE LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAIN.
11. ALL WATER MAINS SHALL BE PRESSURE TESTED AT 200 PSI FOR A CONTINUOUS TWO HOUR PERIOD, IN ACCORDANCE WITH DISTRICT STANDARDS.
12. ALL WATER MAINS SHALL BE DISINFECTED, FLUSHED, AND AN ACCEPTABLE HEALTH SAMPLE OBTAINED, PRIOR TO THE CONNECTION OF THE WATER MAIN(S) AND/OR LATERAL(S) TO THE DISTRICT'S SYSTEM.
13. CONTRACTOR TO OBTAIN ALL METERS 2" AND SMALLER FROM LVWD CENTRAL STORES. TELEPHONE 228-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICK-UP.

## CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA," LATEST EDITION THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA," LATEST ISSUES AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODES AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER, GAS AND/OR OTHER UTILITIES NO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS, MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
6. PERMITS AND REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURBS.
8. AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS.
9. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
10. CURB & GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE WATER TESTED AS SOON POSSIBLE AFTER CONSTRUCTION. ANY CURBS AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED.
11. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN E.ACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 230. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.
13. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
14. EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
15. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH NRS. STATUTE NO. 625.090.
16. UTILITY COMPANY METER COVERS, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
17. WALLS, NOTES:
    A. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN FOR THE PURPOSE OF GRADING RELATIONSHIPS.
    B. THE STRUCTURAL AND ARCHITECTURAL DESIGN OF ALL WALLS (RETAINING OR NON-RETAINING) MUST BE APPROVED BY THE CLV BUILDING DEPARTMENT.
18. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT ON CITY STREETS.

### DEVIATION FROM STANDARDS

1. USING DRIVEWAY STD. DWG. NO. 224 INSTEAD OF STD. DWG. NO. 235 FOR DRIVEWAY LOCATED ON SMOKE RANCH ROAD.

### SHEET INDEX

| SHEET NO. | DESCRIPTION |
|---|---|
| 1 OF 8 | COVER SHEET |
| 2 OF 8 | GRADING PLAN - NGP |
| 3 OF 8 | GRADING PLAN - MGP |
| 4 OF 8 | GRADING PLAN - SGP |
| 5 OF 8 | WATER PLAN |
| 6 OF 8 | SEWER PLAN |
| 7 OF 8 | SMOKE RANCH ROAD-IMPROVEMENT PLAN |
| 8 OF 8 | MICHAEL WAY-IMPROVEMENT PLAN |

## CITY OF LAS VEGAS SEWER NOTES

1. ALL CONSTUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IN ALL CASES THESE STANDARDS SHALL SUPERSEDE THE UNIFORM STANDARD SPECIFICATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATION BOOKS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER THE PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET TWITH THE APPROVAL OF THE CONTROLLING AGENCY.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. PVC SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, BACKFILL WITH SAND BEDDING AND BACKFILL OF TYPE II GRAVEL.
5. ALL MANHOLES IN PAVED STREETS 80' R/W AND LARGER, SHALL HAVE A CONCRETE COLLAR.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12" DIA. IN SIZE. CONNECTIONS TO 15" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.
7. A SEWER MAIN CROSSING OVER A WATER MAIN OR LESS THAN 18" UNDER A WATER MAIN, MUST BE REINFORCED CONCRETE ENCASE FOR A DISTANCE NOT LESS THAN TEN FEET (10') TO EACH SIDE OF THE CENTERLINE OF THE WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CONTROLLING AGENCY MUST BE CLASS "A" CONTRACTORS.

## CITY OF LAS VEGAS FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS" AND ORDINANCE #3545.
2. AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
   A. KENNEDY GUARDIAN
   B. MUELLER A-423 CENTURIAN
   C. CLOW MODEL 2548 MEDALLION
3. ON ANY NEW HOME OR BUILDING INSTALLATION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE CONSTRUCTION COMMENCES AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH AN ADEQUATE WATER SUPPLY.
4. CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT CENTERLINE OF STREET ADJACENT TO FIRE HYDRANT AS REQUIRED IN ORDINANCE #3545 TO IDENTIFY FIRE HYDRANT LOCATIONS.
5. CALL THE CITY OF LAS VEGAS BUILDING DEPARTMENT AT 799-2071 FOR UNDERGROUND INSPECTION, PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING.
6. PAINTING OF THE CURBS AND HYDRANT AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER ORDINANCE #3545 SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
7. A PERMIT IS REQUIRED FROM THE FIRE DEPARTMENT FOR ON-SITE WATER LINE AND FIRE HYDRANT. THE PERMIT AND CONTRACTORS MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER PRIOR TO ANY WORK BEGINNING.
8. A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.
9. ALL ON-SITE FIRE MAIN MATERIALS MUST BE U.L. LISTED AND F.M. APPROVED.
10. FIRE HYDRANT SPACING:
    RESIDENTIAL - 500 FEET UNSPRINKLERED, 600 FEET SPRINKLERED.
    COMMERCIAL, INCLUDING MULTI-FAMILY - 300 FEET UNSPRINKLERED, 400 FEET SPRINKLERED.
11. NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
12. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION.
13. NOT MORE THAN 2 HYDRANTS CAN BE OUT OF SERVICE DUE TO A SINGLE MAIN BREAK.
14. THE TURNING RADIUS FOR ANY FIRE APPARATUS ACCESS ROAD AND/OR FIRE LANE, PUBLIC OR PRIVATE SHALL BE NOT LESS THAN 45 FEET OUTSIDE RADIUS AND 22 FEET INSIDE RADIUS.
15. A FIRE APPARATUS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS. (SEE EXCEPTIONS IN UFC 88, SECTION 10.207).
16. ALL DEAD END FIRE APPARATUS ACCESS ROADS AND/OR FIRE LANES PUBLIC OR PRIVATE IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURNAROUND AREA. SEE ORDINANCE #3545.

DATE: 12/89
DATE REVISED: 1/91

## FIRE HYDRANT INSTALLATION

FIRE HYDRANT(S) TO BE INSTALLED IN ACCORDANCE WITH LAS VEGAS VALLEY WATER DISTRICT STANDARD PLATE NO. 7.

## LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS
2,750 GPM @ 20 PSI.
BASED ON: TOWNHOUSES
SQUARE FOOTAGE: 12,000 MAX
LARGEST AREA BETWEEN AREA SEPARATION WALLS
HEIGHT: 1-STORY
TYPE OF CONSTRUCTION: V-N
SPRINKLER SYSTEM: NONE
OCCUPANCY: N/A
ROOF CONSTRUCTION: N/A
REVIEWED BY: David Bowerman
DATE: Nov. 19, 1992

## AGENCY APPROVALS

| | |
|---|---|
| CITY OF LAS VEGAS, ENGINEER DENNIS ANDERSON, PE | 5-20-93 DATE |
| CITY OF LAS VEGAS FIRE DEPARTMENT | Nov. 19, 1992 DATE |
| LAS VEGAS VALLEY WATER DISTRICT | 5/21/93 DATE |
| [redacted] | DATE |
| NEVADA POWER COMPANY | 10-21-92 DATE |
| SOUTHWEST GAS COMPANY | 11-13-92 DATE |
| CENTEL | 11-11-92 DATE |

REGISTERED PROFESSIONAL ENGINEER PAUL S. SUTHERLAND CIVIL NO. 5402 STATE OF NEVADA
11-28-96

SUBMITTED BY:

PAUL S. SUTHERLAND, NEV PE #5402
9/23/92

COVER SHEET
FOR
SMOKE RANCH VILLAS
SE 1/4, S13, T20S, R60E, MDM
CITY OF LAS VEGAS, NEVADA

SAHARA ENGINEERING
SERVING - NEVADA - CALIFORNIA - ARIZONA
ENGINEERING - PLANNING - DESIGN
DRAINAGE & TRAFFIC STUDIES
1096 East Sahara Avenue
Suite No. 203
Las Vegas, Nevada 89104
(702) 792-4562 fax 792-4563

DWG # SHEET1
PROJECT FILE DESIGNATION 30-92
SHEET 1 OF EIGHT

10-29-1 107Y-4261