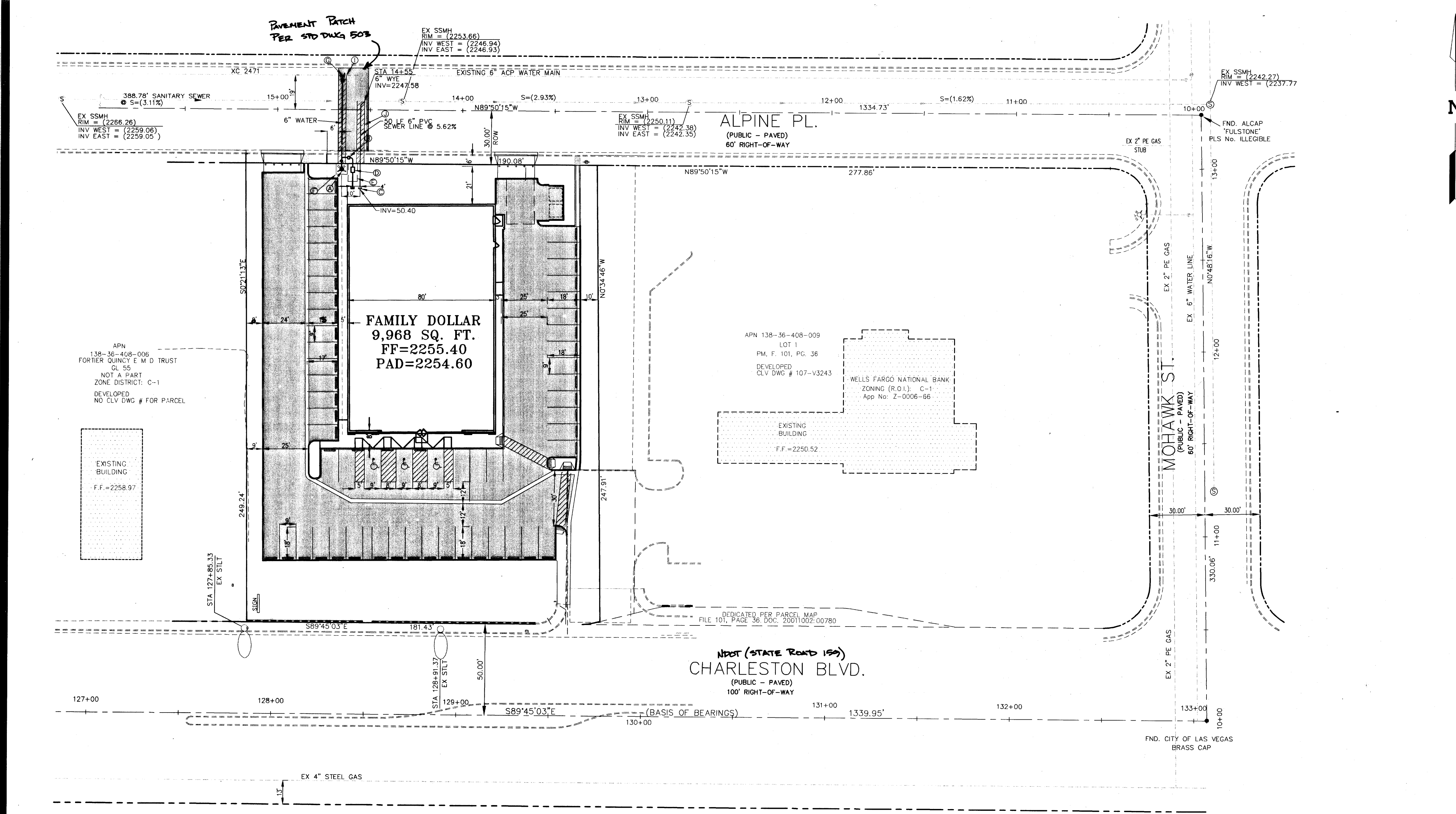


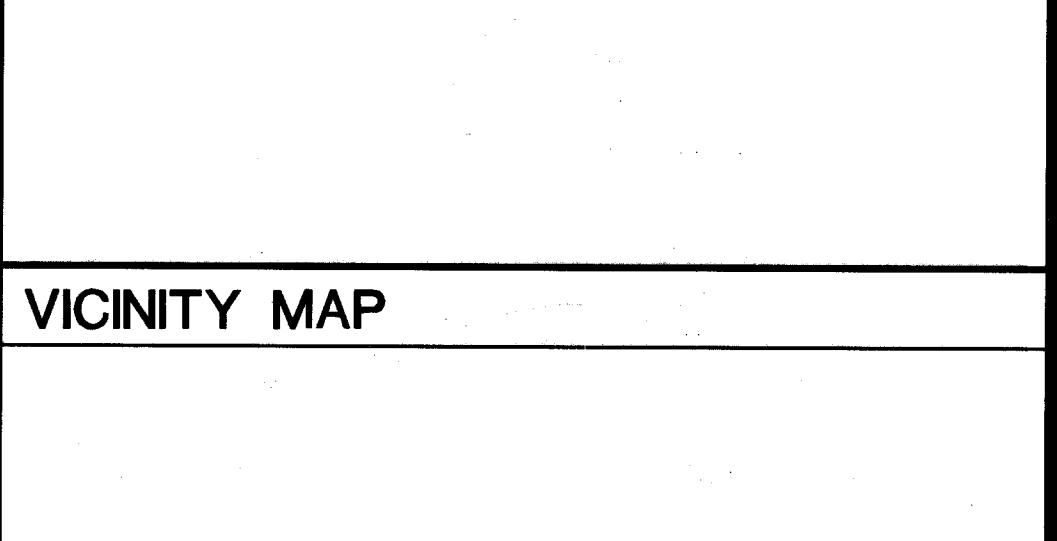


LEGEND	
	PROPOSED FIRE HYDRANT
	EXISTING FIRE HYDRANT
	PROPOSED 48" DIA. SEWER MANHOLE
	EXISTING SEWER MANHOLE
	PROPOSED SEWER LINE (SIZE AS INDICATED)
	EXISTING SEWER LINE (SIZE AS INDICATED)
	PROPOSED WATER LINE (SIZE AS INDICATED)
	EXISTING WATER LINE (SIZE AS INDICATED)
	PROPOSED GATE VALVE (SIZE AS INDICATED)
	EXISTING GATE VALVE (SIZE AS INDICATED)
	WATER FITTING SIZE AND TYPE INDICATED ON PLAN
	12" X 30" STREET NAME SIGN (D3)
	36" STOP SIGN (R1-1)
	EX. (PUBLIC) STREET LIGHT
	EXISTING STREET LIGHT MOUNTED SIGNS
	EXISTING STREET NAME SIGN
	EXISTING STOP SIGN
	RED PAVED FIRE LANE W/ "FIRE LANE NO PARKING ANYTIME" STENCILED W/ WHITE PAINT EVER 10 FEET.

REDUCED PRESSURE PRINCIPLE ASSEMBLY-1 (1")

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

ESN 025



- UTILITY CONSTRUCTION NOTES**
- (A).....STANDARD FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7
 - (B).....INSTALL 1" METER W/ 1" SERVICE CONNECTION PER UDACS PLATE NO.10
 - (C).....INSTALL 4" PVC SEWER LATERAL @ 2% MIN. SLOPE
 - (D).....INSTALL 1" RPPA PER UDACS PLATE #11A
 - (E).....5'x10' LWWD UTILITY EASEMENT
 - (F).....6'x6' LWWD UTILITY EASEMENT
 - (G).....INSTALL 6" MECHANICAL JOINT TAPPING TEE W/ TAPPING VALVE PER UDACS PLATE NO. 22
 - (H).....INSTALL 1" WET TAP & 1" K-TYPE COPPER WATER LINE AT STATION 14+59.17
 - (I).....TRENCH 4' WIDE BACKFILL PER UDACS #68
 - (J).....TRENCH 4' WIDE PER COWD STD DWG # 50-16A

UTILITY QUANTITIES			
WATER		PUBLIC	PRIVATE
INSTALL 1" METER W/ 1" SERVICE CONNECTION		1 EA	-- EA
INSTALL 6" PVC WATER (FIRE LATERAL) LINE		54 LF	-- LF
INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLT. #7		1 EA	-- EA
INSTALL 6" WET TAPPING TEE W/6" TAPPING VALVE PER UDACS PLT. #22		1 EA	-- EA
SEWER		PUBLIC	PRIVATE
INSTALL 6" PVC SEWER (LATERAL) LINE		63 LF	-- LF

**CITY OF LAS VEGAS
FIRE FLOW DATA**

FIRE FLOW REQUIREMENT IS 2250 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL BASED ON:

SQUARE FOOTAGE: 9968

LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: 9968

NO. OF STORIES PER BUILDING: 1

TYPE OF CONSTRUCTION: TYPE II-B

SPRINKLER SYSTEM: NONE

OCCUPANCY: M/SI

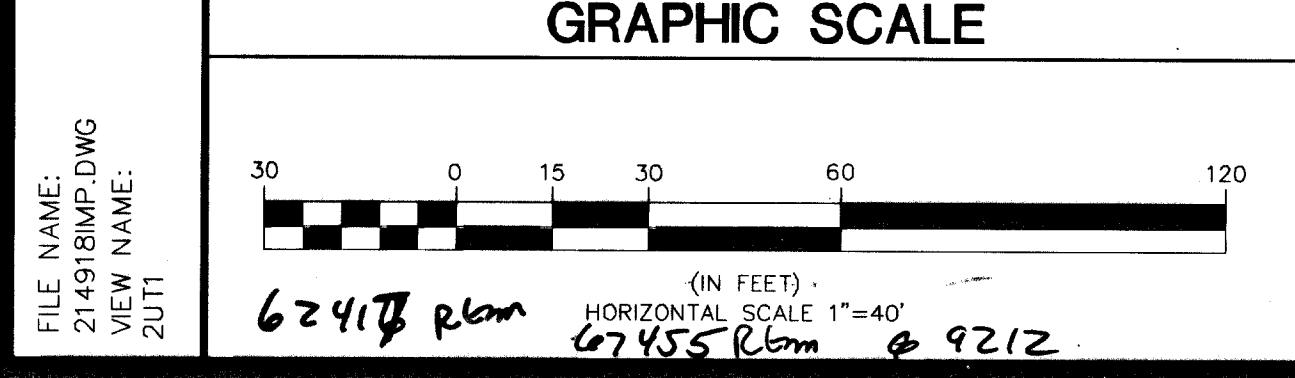
LVVWD APPROVAL

APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM THE LVVWD.

SEWER MANHOLE NOTE
ALL ON-SITE SEWER MANHOLE TO BE CONSTRUCTED AS 48" SEWER MANHOLE PER DCSWCS STANDARD DRAWING NO. 50-1 UNLESS OTHERWISE NOTED ON PLANS.

Robert Morgan
LAS VEGAS VALLEY WATER DISTRICT

DATE: 8/1/04



BASIS OF BEARINGS

SOUTH 89°45'03" EAST, BEING THE SOUTH 1/4 CORNER OF THE SOUTHWEST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTH 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN PER FILE 101 OF PARCEL MAPS, PAGE 36, CLARK COUNTY OFFICIAL RECORDS.

BENCHMARK

RIVET & PLATE IN TOP OF CURB @ N.E. CORNER OF CHARLESTON & MOHAWK
7000 3654 - ELEVATION: 2242.70' [683.5771 m] (N.A.Y.D. 88)

CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL

BY: *[Signature]* DATE: 12/2/03

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW: 2250 GPM AT 20 P.S.I. RESIDUAL.

CALL BEFORE YOU OVERHEAD
1-702-593-6111
NEVADA POWER AND LIGHTING
UTILITY SERVICES DEPARTMENT

NOTICE!
EXISTING UTILITIES ARE SHOWN ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR SHOWN INCORRECTLY.

Call BEFORE YOU Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

GREEN, HERRINGTON, & HOWELL, LLC
1600 ARKANSAS BLVD., STE #100
TEXARKANA, AR 71854
(870) 772-5457

ENGINEERING COMPANY
50 So. Jones #202, Las Vegas, NV 89107
Telephone: (702) 877-1300

ALPHA &

UTILITY, TRAFFIC & HORIZONTAL CONTROL PLAN 1

FAMILY DOLLAR STORE @ MOHAWK/CHARLESTON

SHEET: 04-01-03
DESIGNED BY: MJP
CHECKED BY: MJP
PROJECT NO: 225702
SCALE: 1"=30'

PROFESSIONAL ENGINEER
SCOTT J. GILG
No. 13549 (N.V.)
JUL 31 2004

SHEET: 04-01-03
U1
4 OF 4 SHEETS
DRAWING NO: 10743874