

MATCHLINE SEE SHEET H1

PHASE 2 FF=2231.50

FIRELANE

ALFRED DRIVE
(PUBLIC)

EX. UTILITY POLE NOTE

36" CLEARANCE IS REQUIRED BETWEEN THE EXISTING UTILITY POLES AND THE BACK OF SIDEWALK FOR ADA ACCESS. IF 36" IS NOT PROVIDED, SIDEWALK MUST BE WIDENED TO PROVIDE 36" CLEAR.

NOTE

ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

SIGHT VISIBILITY ZONES NOTE

NO WALLS, FENCES, TREES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM THE TOP OF CURB.

BENCHMARK

THE ELEVATION DATA SHOWN HEREON ARE U.S. SURVEY FEET REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, CLARK COUNTY VERTICAL CONTROL v2003, BASED UPON BENCHMARK NO. 75, STATION "SLV00 1356" BEING A CITY OF LAS VEGAS PIN AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF MICHAEL WAY AND CLEARLY COURT, NEAR THE PT. OF MICHAEL WAY.

ELEVATION 679.849 METERS - PUBLISHED
ELEVATION 2,230.47 U.S. SURVEY FEET - COMPUTED

LEGAL DESCRIPTION

THAT PORTION OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 13, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA,

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS RECORD OF SURVEY IS NORTH 06° 42' 12" WEST AS DEFINED BY THE MONUMENTS SHOWN HEREON, BEING THE NORTH-SOUTH CENTER SECTION LINE OF SECTION 13, TOWNSHIP 20 SOUTH, RANGE 60 EAST, MOUNT DIABLO MERIDIAN, CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, ESTABLISHED BY STRAIGHT LINE INTERSECTION BETWEEN OPPOSING ONE-QUARTER CORNERS PER FILE 02, PAGE 23 OF SURVEYS, SAME BEING THE CONTROL LINE OF MICHAEL WAY AS DERIVED BY FILE 02, PAGE 23 OF SURVEYS.

CURVE & LINE DATA

LINE	LENGTH	BEARING
L1	39.63	S01°27'20"W
L2	52.99	S87°37'05"E

LINE	LENGTH	BEARING
L3	26.99	N88°36'13"W
L4	5.00	S01°14'26"W
L5	5.00	S01°28'18"W
L6	9.99	S88°44'13"E
L7	18.61	S88°41'12"E
L8	5.01	S70°21'54"E
L9	5.00	S70°21'54"E
L10	5.00	S01°18'48"W
L11	5.00	S01°18'48"W
L12	10.00	S86°55'51"E
L13	18.32	S87°37'05"E
L14	24.05	S87°37'05"E
L15	10.00	N06°53'37"W

CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	76.43	280.00	15°38'22"	38.45
C2	37.49	25.00	85°55'09"	23.28
C3	115.12	45.50	144°37'54"	144.15
C4	13.91	14.50	54°57'54"	7.54

CURVE	LENGTH	RADIUS	DELTA	TANGENT
C5	42.77	25.00	98°01'00"	28.77
C6	35.77	25.00	81°59'00"	21.73
C7	44.99	30.00	85°55'09"	27.94
C8	73.29	275.00	15°16'11"	36.86
C9	39.23	25.00	89°54'17"	24.96
C10	39.27	25.00	90°00'00"	25.00
C11	39.27	25.00	90°00'00"	25.00
C12	39.25	25.00	89°57'33"	24.98
C13	18.71	19.50	54°57'54"	10.14
C14	0.05	40.50	0°04'52"	0.03
C15	25.01	40.50	35°23'14"	12.92
C16	87.27	40.50	123°27'51"	75.32

ACCESSIBILITY NOTES

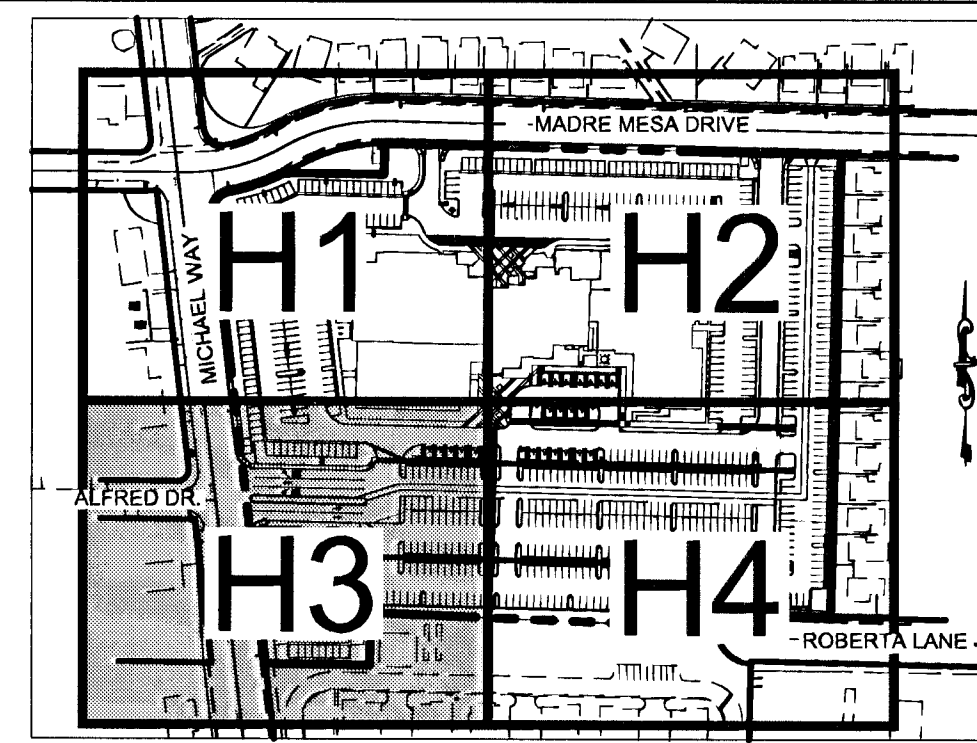
1. MAXIMUM SLOPE ON THE ACCESSIBLE ROUTE IS 5.0% IN THE DIRECTION OF TRAVEL, 2.0% CROSS SLOPE.
2. MAXIMUM SLOPE IN ACCESSIBLE PARKING STALL LOADING AISLES IS 2.0% IN ANY DIRECTION.
3. PROVIDE ACCESSIBLE PARKING STALL SIGNAGE FOR HANDICAP AND VAN ACCESSIBLE STALLS PER NRS 484.408.
4. HANDICAP STALLS SHALL BE 9'-0" WIDE x 19'-0" LONG (18'-0" WITH PERMITTED OVERHANG). HANDICAP STALL LOADING AISLES ARE 5'-0" WIDE x THE ENTIRE LENGTH OF THE PARKING STALL (8'-0" WIDE FOR VAN ACCESSIBLE SPACES).

PAVEMENT MARKERS

- INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKERS ADJACENT TO THE FIRE HYDRANT ON ALL IMPROVED FIRE APPARATUS ACCESS ROADWAYS WITH HARD SURFACES, INCLUDING BOTH PUBLIC AND PRIVATE ROADS, STREETS OR FIRE LANES.
- ON ROADWAYS WITH NO PARKING PERMITTED ON THE HYDRANT SIDE: EIGHT (8) FEET FROM THE FACE OF THE CURB ON THE HYDRANT SIDE.
 - ON ROADWAYS WITH PARKING PERMITTED ON THE HYDRANT SIDE: SIXTEEN (16) FEET FROM THE FACE OF THE CURB ON THE HYDRANT SIDE.

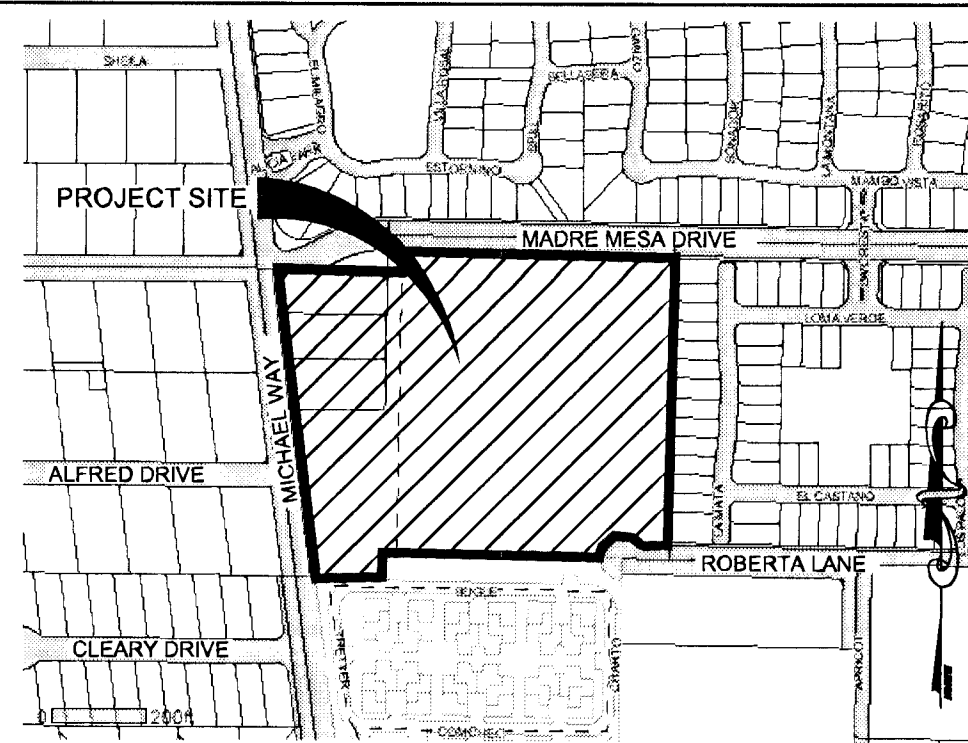
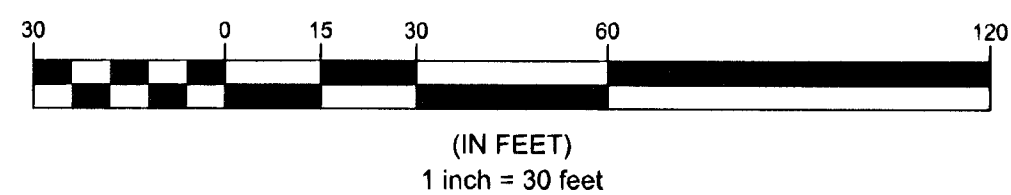
FIRE LANE LEGEND

- INDICATES RED PAINTED CURB WITH "NO PARKING FIRE LANE" PAINTED EVERY 50 FT. PER CLV GUIDELINES
- INDICATES FIRE LANE FLOW DIRECTION
- INDICATES FIRE LANE LIMITS
- INDICATES PROPOSED FIRE HYDRANT
- INDICATES EXISTING FIRE HYDRANT
- INDICATED PROPOSED LOCATION OF FIRE LANE SIGNS TO BE PLACED AT ENTRANCES. FIRE LANE SIGNS SHALL CONFORM TO CITY OF LAS VEGAS FIRE DEPARTMENT UNIFORM GUIDELINES (SEE DETAIL THIS SHEET)
- TURNING RADIUS



KEY MAP

GRAPHIC SCALE



VICINITY MAP

N.T.S.

STREETLIGHT CIRCUIT CAPACITY VERIFICATION FOR CIRCUIT "A"

IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT TO THIS PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)	YES	NO	CONTACT CITY OF LAS VEGAS TRAFFIC OPERATIONS AT 229-6448 TO PERFORM CIRCUIT CAPACITY VERIFICATION
			INSTALL A NEW PEDESTAL

SERVICE PEDESTAL LOCATION: MICHAEL STA: 12+84.56

CLARK COUNTY (COMPLETE IF EXISTING SERVICE)

DATE OF CAPACITY VERIFICATION	N/A
PERSON WHO DID THE VERIFICATION	N/A

OFF-SITE PLANS ENGINEER

PERSON WHO DID THE CALCULATIONS	TREASEA WOLF, P.E.
CONSULTING ENGINEERING FIRM	WALKER ENGINEERING, LLC

CAPACITY CALCULATIONS

1	CIRCUIT CAPACITY:	60	AMPS
2	MAXIMUM CONTINUOUS CURRENT DRAW (80%)	48	AMPS
3	EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)	0	AMPS
4	AVAILABLE (2 MINUS 3)	48	AMPS

PROPOSED LUMINAIRE LOAD TO CIRCUIT:

5	0	NUMBER OF 100 WATT STILTS @ 1.0 AMPS/EA	0	AMPS
6	5	NUMBER OF 250 WATT STILTS @ 1.5 AMPS/EA	7.5	AMPS
7	TOTAL PROPOSED ADDITIONAL LOAD (5 + 6)		7.5	AMPS
REMAINING AVAILABLE LOAD (4 MINUS 7)			40.5	AMPS

CITY OF LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 4,000 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL BASED ON:

	PHASE 1	FULL BUILD OUT
REQ'D FIRE FLOW*	2,250	4,000
SQUARE FOOTAGE **	45,417	106,571
LARGEST AREA BETWEEN AREA SEPARATION WALLS	N/A	N/A
HEIGHT	50'	50'
TYPE OF CONSTRUCTION ***	IIB/V-B	IIB/V-B
SPRINKLER SYSTEM	YES	YES
OCCUPANCY	A-3/B	A-3/B
NO. OF STORIES	2	2
HIGH PILED STORAGE	NO	NO

* BASED ON 50% REDUCTION FOR FIRE SPRINKLERS
** BASED ON MAXIMUM SQUARE FOOTAGE POSSIBLE
*** TYPE OF CONSTRUCTION IS SPLIT



SIGHT VISIBILITY ZONES R1-1

SCALE: 1"=30'



R7-1 TRAFFIC CONTROL SIGNS N.T.S.



ON-SITE TRAFFIC NOTES:

1. INSTALL FIRE LANE SIGNS PER CLV STANDARDS, DETAIL THIS SHEET
2. INSTALL HANDICAP PARKING SIGNS PER ADA AND CLV STANDARDS
3. INSTALL BLUE REFLECTIVE PAVEMENT MARKER IN THE FIRE LANE ADJACENT TO EACH HYDRANT
4. PAINT CURBS RED "FIRE LANE - NO PARKING"
5. INSTALL PRE-CAST BUMPER BLOCK PER STD. DWG. 238

70 SQUARE INCH MIN. PAINTED METAL SIGN AT PARKING SPACE WITH WHITE INTERNATIONAL SYMBOL OF ACCESSIBILITY ON BLUE BACKGROUND



HANDICAPPED PARKING
VAN ACCESSIBLE

DISABLED STALL SIGN

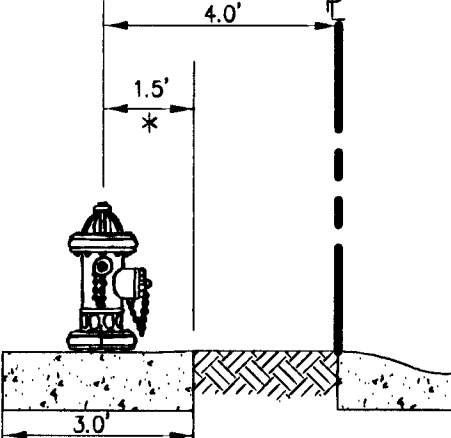
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ENTRANCE WARNING

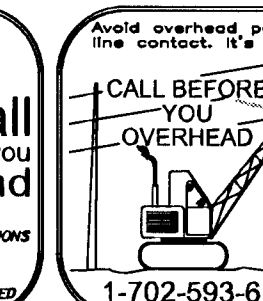
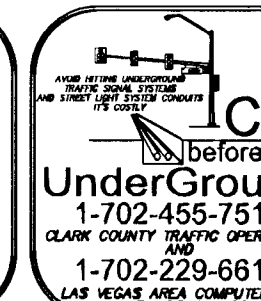
SIGN DETAIL

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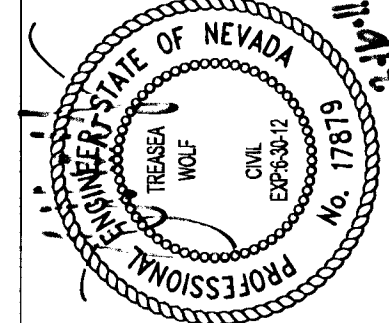
FIRE HYDRANT DETAIL

ON-SITE FIRE HYDRANTS N.T.S.



W E

WALKER ENGINEERING, LLC
5765 S. RAINBOW BLVD.
SUITE 101
LAS VEGAS, NV 89118
TEL: 702.873.5197
FAX: 702.873.5346



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