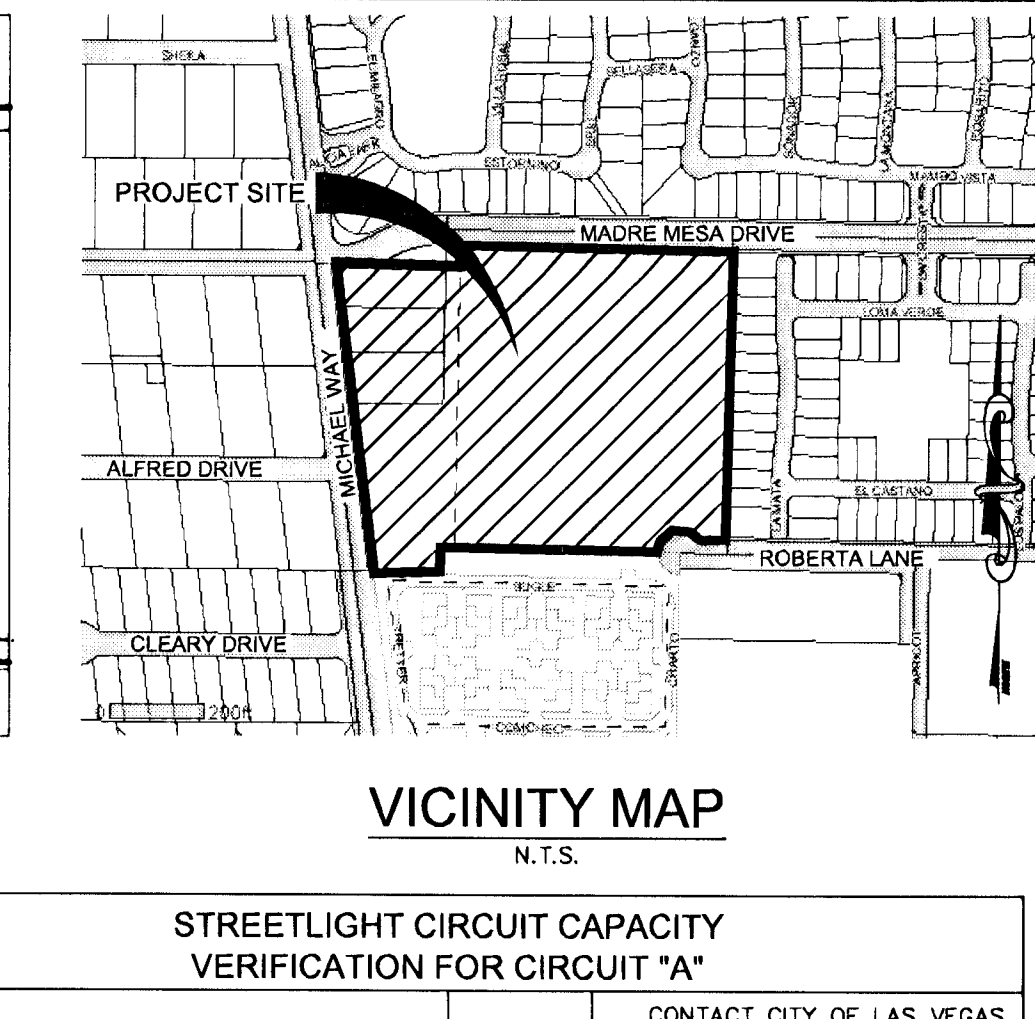
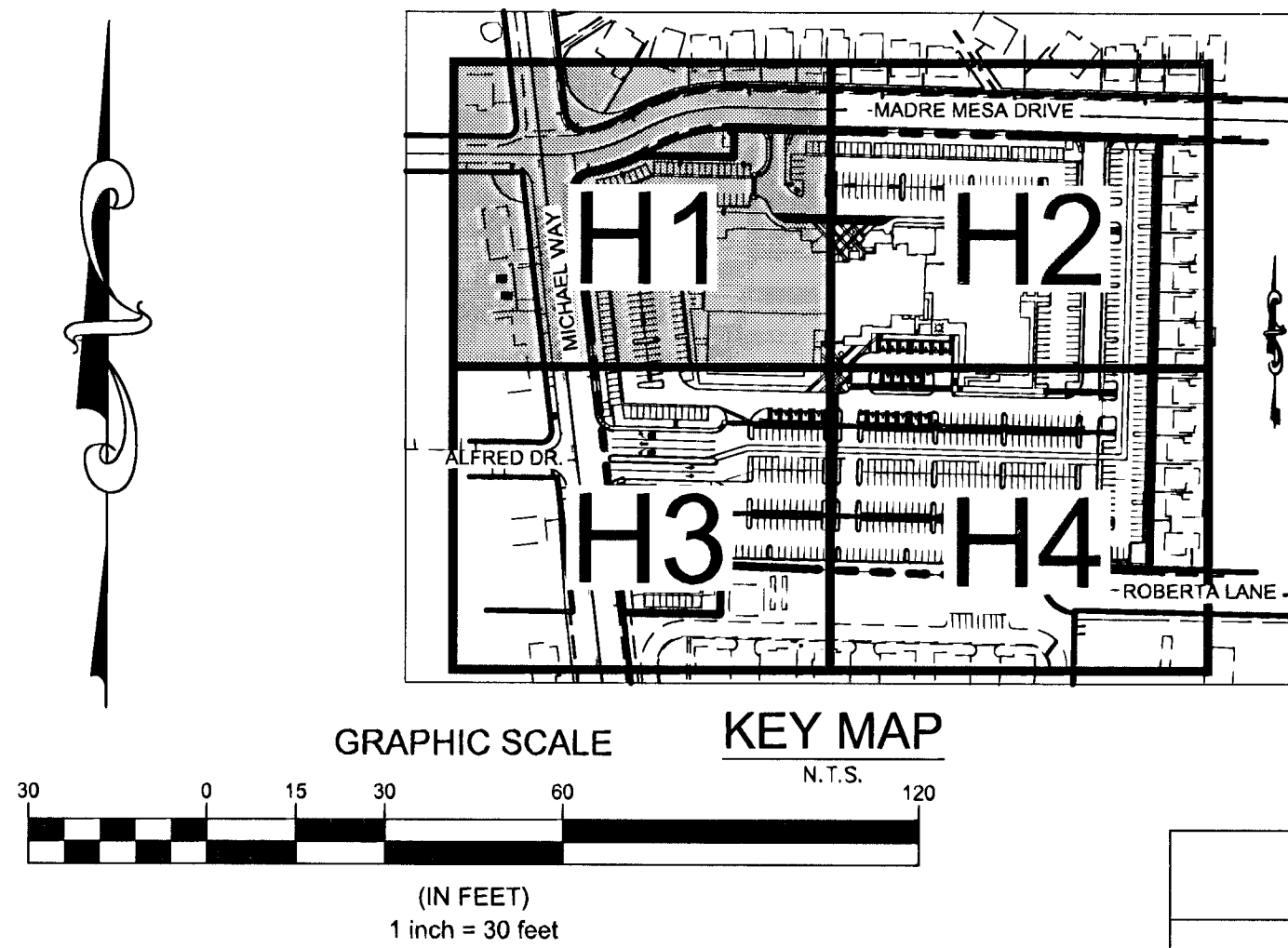
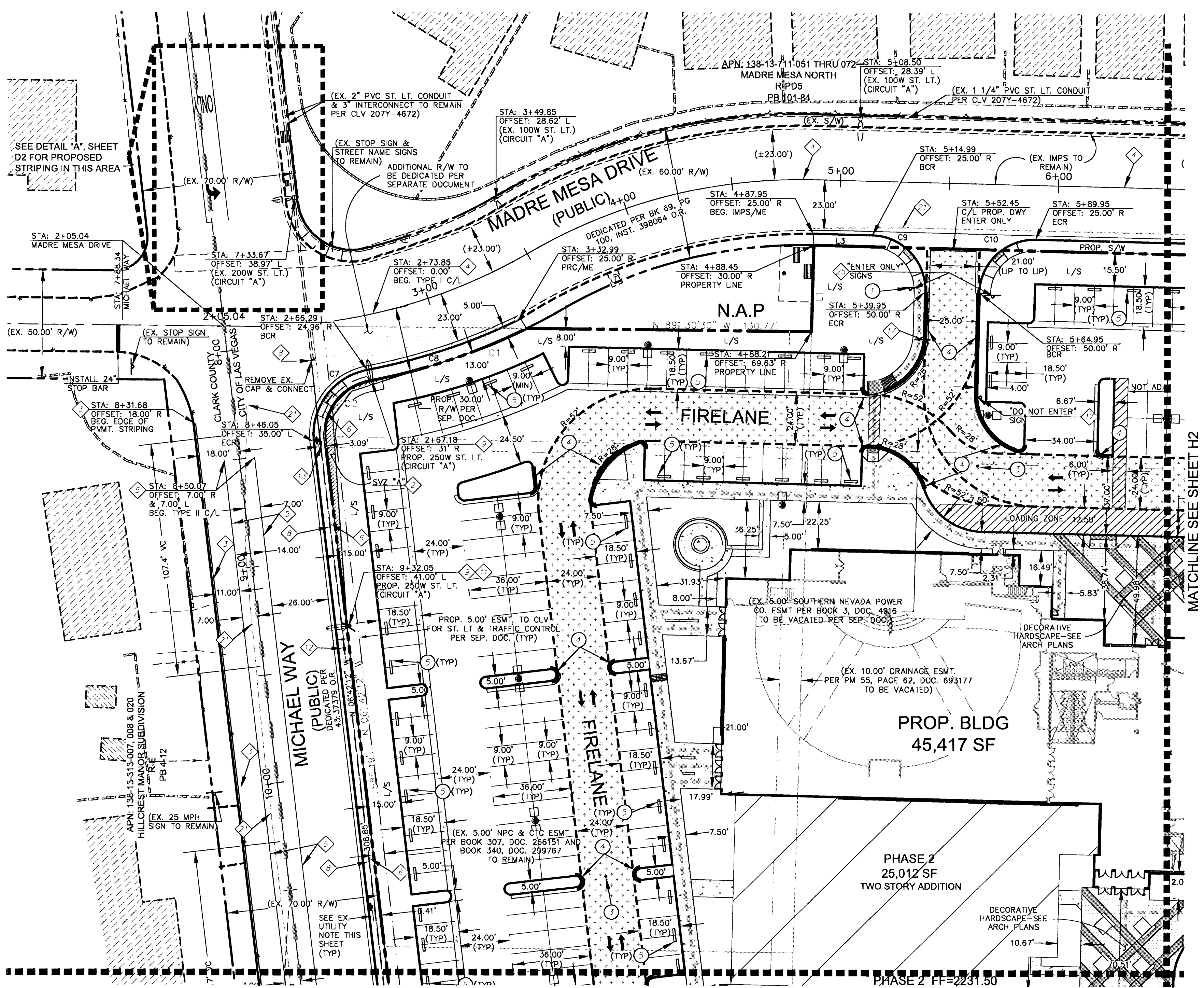
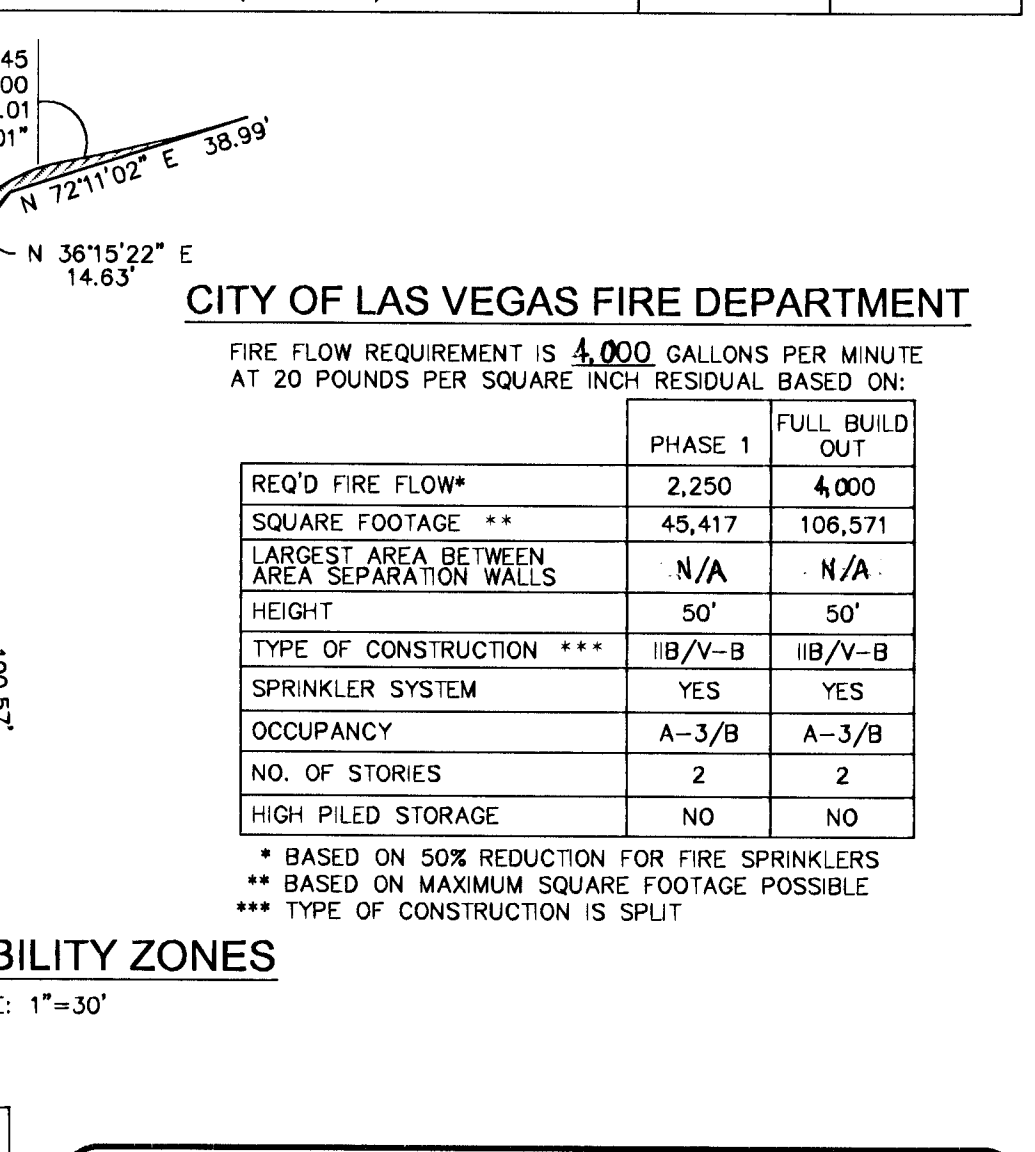




TRAFFIC NOTES	
NO	ITEM
1	INSTALL "STOP SIGN" R-1 (30")
2	SIGHT VISIBILITY ZONES, SEE H SHEETS FOR DETAILS
3	INSTALL 4" SOLID WHITE LINE 1' OFF OF PROPOSED EDGE OF PAVEMENT
4	INSTALL TYPE I CENTERLINE PER STD. DWG. 244
5	INSTALL TYPE II CENTERLINE PER STD. DWG. 244
6	INSTALL 2" PVC STREETLIGHT CONDUIT W/ (2) #4 & (1) #8 THW COPPER CONDUCTORS
7	INSTALL 1 1/4" PVC STREETLIGHT CONDUIT W/ (2) #4 & (1) #8 THW COPPER CONDUCTORS
8	INSTALL 3" PVC CONDUIT WITH A 6 PAIR PE #32 AWG LOCATING WIRE
9	INSTALL 250W STREET LIGHT PER USD #301.1, #314, #320 & #321
10	INSTALL 100W STREET LIGHT PER USD #311.1A, #314, #320 & #321
11	INSTALL R7-1APR (18" X 24") NO PARKING SIGNS
12	INSTALL P30 PULL BOX WITH "FIBER OPTIC" INSCRIBED ON LID
13	INSTALL 3-1/2" PULLBOX
14	INSTALL ARROW TURN SYMBOL PER USDOCA STD DWG NO. 246A
15	INSTALL "ONLY" SYMBOL PER USDOCA STD DWG NO. 246A
16	INSTALL MEDIAN NOE MARKINGS PER USDOCA STD DWG NO. #218 AND #248
17	INSTALL R5-1 "DO NOT ENTER" SIGN
18	INSTALL R3-2 "NO LEFT TURN" SIGN
19	INSTALL STORAGE LANE LINE PER STD. DWG. 246
20	INSTALL PCC ISLAND CURB PER STD. DWG. 220
21	REMOVE EXISTING STRIPING
22	REMOVE EXISTING OM-3R SIGNS
23	REMOVE EXISTING END OF ROAD SIGNS
24	INSTALL 125 AMP SERVICE PEDESTAL
25	INSTALL "ENTER ONLY" T02 SIGN (PRIVATE)
26	INSTALL OM-3R SIGNS AT 25' OC
27	INSTALL 8" SOLID WHITE LINE 1' OFF OF PROPOSED EDGE OF PAVEMENT
28	INSTALL TYPE II CENTERLINE PER USDOCA STD DWG NO. #244
29	INSTALL TRANSITION STRIPING PER USDOCA STD DWG NO. 245 (2 OF 3)

IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)		YES	CONTACT CITY OF LAS VEGAS TRAFFIC OPERATIONS AT 229-6448 TO PERFORM CIRCUIT CAPACITY VERIFICATION
		NO	INSTALL A NEW PEDESTAL
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			
EXISTING CIRCUIT CAPACITY:		60	AMPS
MAXIMUM CONTINUOUS CURRENT DRAW (80%)		48	AMPS
EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)		0	AMPS
AVAILABLE (2 MINUS 3)		48	AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT:			
NUMBER OF 100 WATT SLLTS @ 1.0 AMPS/EA		0	AMPS
NUMBER OF 250 WATT SLLTS @ 1.5 AMPS/EA		7.5	AMPS
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:	
REQ'D FIRE FLOW*	PHASE 1
SQUARE FOOTAGE **	4,000
LARGEST AREA BETWEEN AREA SEPARATION WALLS	45,417
HEIGHT	N/A
TYPE OF CONSTRUCTION ***	IB/V-B
SPRINKLER SYSTEM	YES
OCCUPANCY	A-3/B
NO. OF STORIES	2
HIGH PILED STORAGE	NO
* BASED ON 50% REDUCTION FOR FIRE SPRINKLERS	
** BASED ON MAXIMUM SQUARE FOOTAGE POSSIBLE	
*** TYPE OF CONSTRUCTION IS SPLIT	
CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL	
BY: <i>R. Mith</i>	DATE: 2/14/11
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 4,000 GPM AT 20 PSI RESIDUAL	
DEVELOPMENT REVIEW DIVISION CLARK COUNTY PUBLIC WORKS DEPT.	
ACCEPTED	
FOR PORTIONS WITHIN CLARK COUNTY ONLY	
ACCEPTANCE OF PLANS FOR FILING:	
BY: <i>Rebecca</i>	DATE: 3-25-11
ACCEPTANCE OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF STATE, COUNTY OR FEDERAL LAW SPECIFICATIONS, OR THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.	
CLV DRAWING NO. 107V 5608-1	

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 V.2003, BASED ON BENCHMARK NO. 75, STATION "SLV001358" 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, W.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 SURVEY 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.

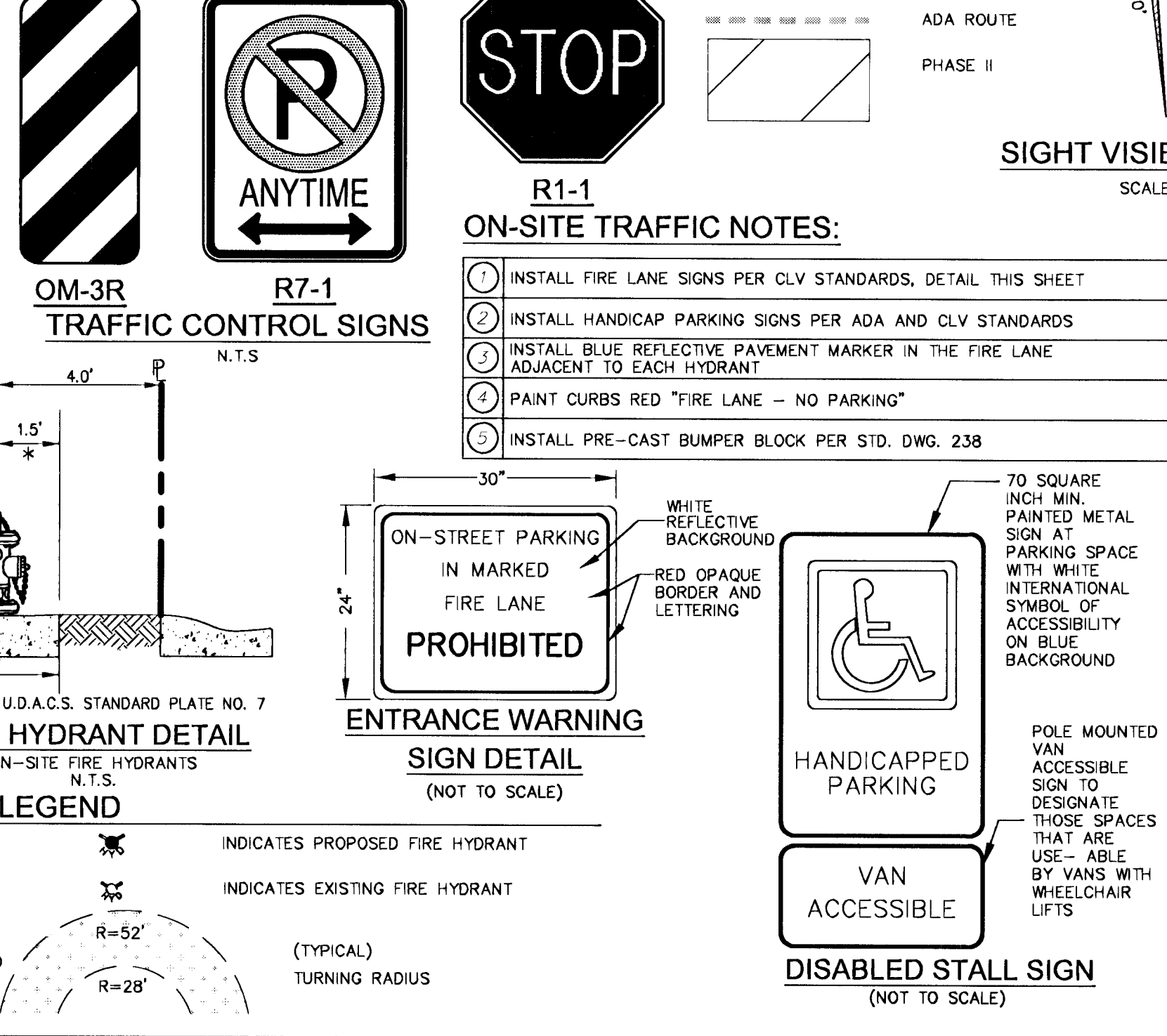
EX. UTILITY POLE NOTE	
36" CLEARANCE IS REQUIRED BETWEEN THE EXISTING UTILITY POLES AND THE BACK OF SIDEWALK FOR ADA ACCESS. IF 36" IS NOT PROVIDED, SIDEWALK MUST BE WIDENED TO PROVIDE 36" CLEAR.	
CURVE & LINE DATA	
PROPERTY LINE CURVE TABLE	
CURVE	LENGTH
C1	78.43
C2	37.49
C3	115.12
C4	13.91
BACK OF CURB CURVE TABLE	
CURVE	LENGTH
C5	42.77
C6	35.77
C7	44.99
C8	73.29
C9	39.23
C10	39.27
C11	39.27
C12	39.25
C13	18.71
C14	0.05
C15	25.01
C16	87.27

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 HYDRANT DETAIL
ON-SITE FIRE HYDRANTS
N.T.S.

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
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)



CITY OF LAS VEGAS FIRE DEPARTMENT APPROVAL	
BY: <i>R. Mith</i>	DATE: 2/14/11
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 4,000 GPM AT 20 PSI RESIDUAL	
DEVELOPMENT REVIEW DIVISION CLARK COUNTY PUBLIC WORKS DEPT.	
ACCEPTED	
FOR PORTIONS WITHIN CLARK COUNTY ONLY	
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CLV DRAWING NO. 107V 5608-1	

W E

WALKER ENGINEERING, LLC
5785 S. RAINBOW BLVD.
SUITE 101
LAS VEGAS, NV 89118
TEL: 702.873.5197
FAX: 702.873.5346

PROFESSIONAL ENGINEER
STATE OF NEVADA
CIVIL
EX-3012
NO. 17818

APPROVAL

REVISIONS

CATALYST CONSULTING COMPANY
AGUILAS CFC CHURCH

HORIZONTAL CONTROL, FIRE & TRAFFIC CONTROL PLAN
SHEET 1 OF 4
H37715
PHASE I

CC HTE: 10-10763
SUBMITTAL NO. FINAL
DATE: FEBRUARY 16, 2011
WE PROJECT NO.
1167.00
AGENCY NO.
CLV:37715
SHEET NO.:
H1
6 OF 27 SHEETS