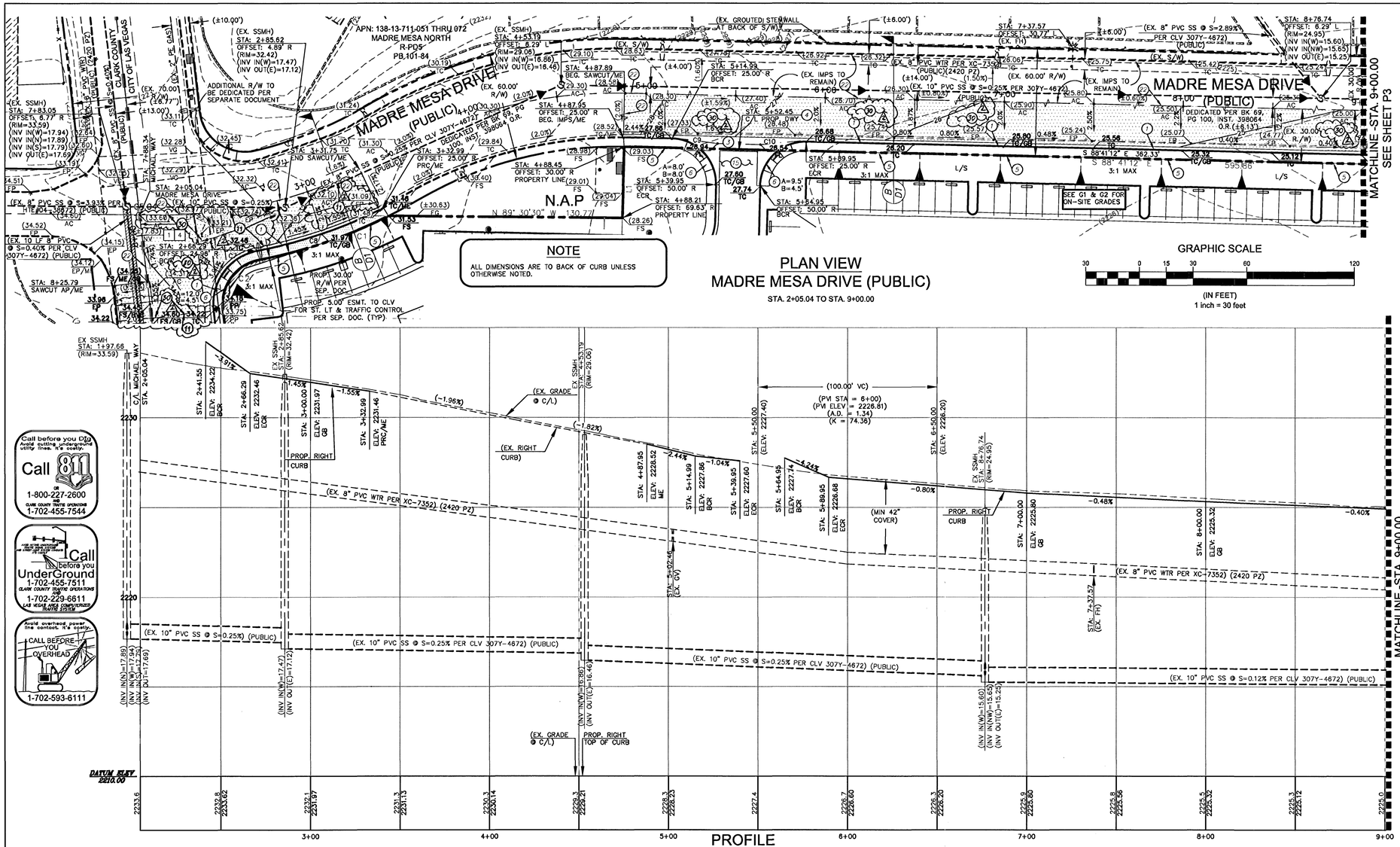


PLAN VIEW
MADRE MESA DRIVE (PUBLIC)

STA. 2+05.04 TO STA. 9+00.00

GRAPHIC SCALE

30 0 15 30 60 120

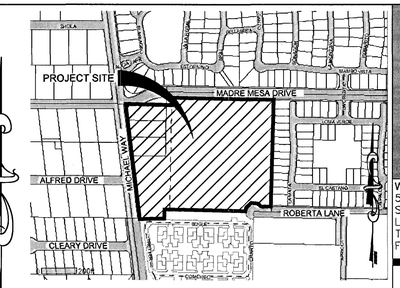
(IN FEET)
1 inch = 30 feet

NOTE

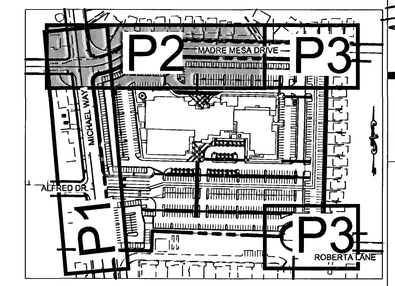
ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

PROFILE
MADRE MESA DRIVE (PUBLIC)

HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=3'



VICINITY MAP
N.T.S.



KEY MAP
N.T.S.

W|E
meeting your land development needs
WALKER ENGINEERING, LLC
5765 S. RAINBOW BLVD.
SUITE 101
LAS VEGAS, NV 89118
TEL: 702.873.5197
FAX: 702.873.5346

REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA VIRGINIA WOLF CIVIL No. 17871

APPROVAL

DATE	INITIALS
9/13/11	VW

REVISIONS

DATE	REV	DESCRIPTION
3/2/11	2	REVISE PAVEMENT SECTIONS FOR MICHAEL & MADRE MESA.

CONSTRUCTION NOTES

NO	ITEM
1	CONSTRUCT "L" TYPE CURB AND GUTTER PER STD DWG NO. 216.
2	CONSTRUCT "A" TYPE CURB PER STD. DWG. NO. 219.
3	CONSTRUCT 8' CONCRETE CROSS GUTTER PER STD DWG NO 228
4	CONSTRUCT COMMERCIAL DRIVEWAY PER STD DWG NO 222A & 225
5	CONSTRUCT 4" SIDEWALK PER STD DWG NO. 234.
6	CONSTRUCT ADA RAMPS WITH ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER STD DWG NO 235, CASE 1
7	CONSTRUCT 2' WIDE SIDEWALK UNDERDRAIN PER STD DWG NO. 236
8	TRANSITION FROM 0" TO 6" CURB IN 10 FEET
9	TYPE I GRAVEL
10	TYPE II GRAVEL
11	CONSTRUCT 3.5" MIN AC OVER 8" TYPE II AB
12	CONSTRUCT 8' WIDE CROSS GUTTER PER DETAIL 7 ON SHEET D1
13	CONSTRUCT 14" SOLID GROUTED STEMWALL WITH TOP CAP & TOP BLOCK SMOOTH FACE WITH REMAINDER BLOCKS SPLIT FACE PER SEP. PERMIT BY OTHERS – SEE ARCHITECTURAL PLANS FOR DETAILS.
14	CONSTRUCT 2" MIN AC OVER 8" TYPE II AGG. BASE PER SOILS REPORT BY JA CESARE. SEE DETAIL 1 ON SHEET D1
15	CONSTRUCT 2.5" MIN AC OVER 9" TYPE II AGG. BASE PER SOILS REPORT BY JA CESARE. SEE DETAIL 2 ON SHEET D1
16	CONSTRUCT 3' WIDE VALLEY GUTTER PER DETAIL 3 ON SHEET D1
17	CONSTRUCT ON-SITE RAMP PER DETAIL 4 ON SHEET D1.
18	CONSTRUCT ON-SITE RAMP PER DETAIL 5 ON SHEET D1.
19	CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLAN (BY OTHERS)
20	CONSTRUCT 0" CURB
21	CONSTRUCT HALF OF CUL-DE-SAC PER STD DWG NO. 212
22	SAWCUT AND MATCH EXISTING PAVEMENT.
23	CONSTRUCT 2' WIDE CONCRETE FLUME PER DETAIL 6 ON SHEET D1
24	CONSTRUCT RETAINING WALL (H MAX=3'4") PER SEP. PERMIT BY OTHERS
25	CONSTRUCT SCREEN WALL PER SEP. PERMIT BY OTHERS
30	CONSTRUCT 3.5" MIN AC OVER EXISTING 8" MIN. TYPE II AGG. BASE PER LETTER BY JA CESARE DATED 8/26/11

SEWER CONSTRUCTION NOTES

NO	ITEM
1	CONTRACTOR TO VERIFY INVERT PRIOR TO CONSTRUCTION & MODIFY MANHOLE INVERT FOR 8" SS
2	INSTALL 48" DIA. PRE-CAST SEWER MANHOLE PER SD-1A & SD-1B
3	INSTALL 8" DIA PVC SDR-35 SEWER MAIN
4	REMOVE EXISTING 10" SS TO EX. SSMH

CURVE & LINE DATA

PROPERTY LINE LINE TABLE		
LINE	LENGTH	BEARING
L1	39.83	S01°27'20"W
L2	52.99	S87°37'05"E

PROPERTY LINE CURVE TABLE				
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°57'54"	144.15
C4	13.91	14.50	54°57'54"	7.54

BACK OF CURB LINE TABLE		
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

BACK OF CURB CURVE TABLE				
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°34'17"	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°04'25"	0.03
C15	25.01	40.50	35°23'14"	12.92
C16	87.27	40.50	123°27'51"	75.32

LEGEND

PROPERTY LINE
STREET CENTERLINE
PROPOSED RETAINING WALL
PROPOSED BUILDING
(2260) EXISTING CONTOUR
31 PROPOSED CONTOUR
PROPOSED CURB & GUTTER
PROPOSED CURB
EXISTING CURB & GUTTER
EXISTING CURB
(10) CONSTRUCTION NOTE
CUT FILL TRANSITION
SAWCUT LIMITS
3:1 SCARP

0.40% SLOPE
FLOW LINE
EASEMENT LINE
HANDICAP PARKING
FS FINISHED SURFACE
CF CURB FACE
TC CURB BACK
EP EDGE OF PAVEMENT
TG TOP OF GRATE
30.50 TC PROPOSED GRADE
(32.27) AC EXISTING GRADE
NEW AC PAVEMENT
PHASE II

FLOODZONE

THIS PROJECT IS LOCATED IN (NON-SHADED) FLOOD ZONE X PER FEMA FLOOD INSURANCE MAP NUMBER 32003C2155E, REVISED TO REFLECT LOMR DATED DECEMBER 31, 2003. FLOOD ZONE X IS DEFINED AS AN AREA BEING OUTSIDE THE 0.2% ANNUAL CHANCE FLOODING; OR AN AREA OF 1% ANNUAL CHANCE FLOODING WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE.

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 UPON BENCHMARK No. 75, STATION "SLV00 1358" BEING A CITY OF LAS VEGAS PIN AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF MICHEAL 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.

NOTE

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED, OR OBSCURED DURING CONSTRUCTION.

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.

ENGINEER'S NOTES

1. ALL WORK SHALL CONFORM TO THE SOILS REPORT PREPARED BY JA CESARE DATED OCTOBER 13, 2009, PROJECT NO. 09.1180, ADDENDUM DATED JUNE 22, 2010 & UPDATE DATED FEBRUARY 16, 2011.
2. ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST EDITION. (IF APPLICABLE)
3. FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE-HALF INCH ABOVE THE TOP OF THE GUTTER (INCLUDING OPEN GRADE).
4. SEE ARCHITECTS PLANS FOR ALL HANDICAP ACCESSIBILITY INFORMATION, RAMP DETAILS, TRANSFORMERS, AND TRASH ENCLOSURE DETAILS. VERIFY BUILDING LAYOUTS AND DIMENSIONS WITH ARCHITECTURAL PLANS.
5. CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
6. SEE LANDSCAPE PLANS FOR LANDSCAPING AND ONSITE IRRIGATION.
7. THIS PLAN SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY ALL APPLICABLE GOVERNMENT AGENCIES.
8. ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
9. ALL MATCH ELEVATIONS SHOWN TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

APPROVED FOR CONSTRUCTION

Don Gregory
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 116388 DATE: 03/28/11

CLV DRAWING NO. 1D7V5608-1

CATALYST CONSULTING COMPANY
AGUILAS CFC CHURCH

MADRE MESA DRIVE
PLAN & PROFILE
STA. 2+05.04 TO STA. 9+00.00
PHASE I

H3 7715

CC HTE: 10-10763
SUBMITTAL NO. FINAL
DATE: FEBRUARY 16, 2011
WE PROJECT NO. 1167.00
AGENCY NO. CLV:37715
SHEET NO.: P2
20 OF 27 SHEETS

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Call 811 or 1-800-227-2600 or CLARK COUNTY TRAFFIC OPERATIONS 1-702-455-7544

Call before you UnderGround
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CLARK COUNTY TRAFFIC OPERATIONS
or
1-702-229-6611
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

Avoid overhead power line contact. It's costly.
CALL BEFORE YOU OVERHEAD
1-702-593-6111

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