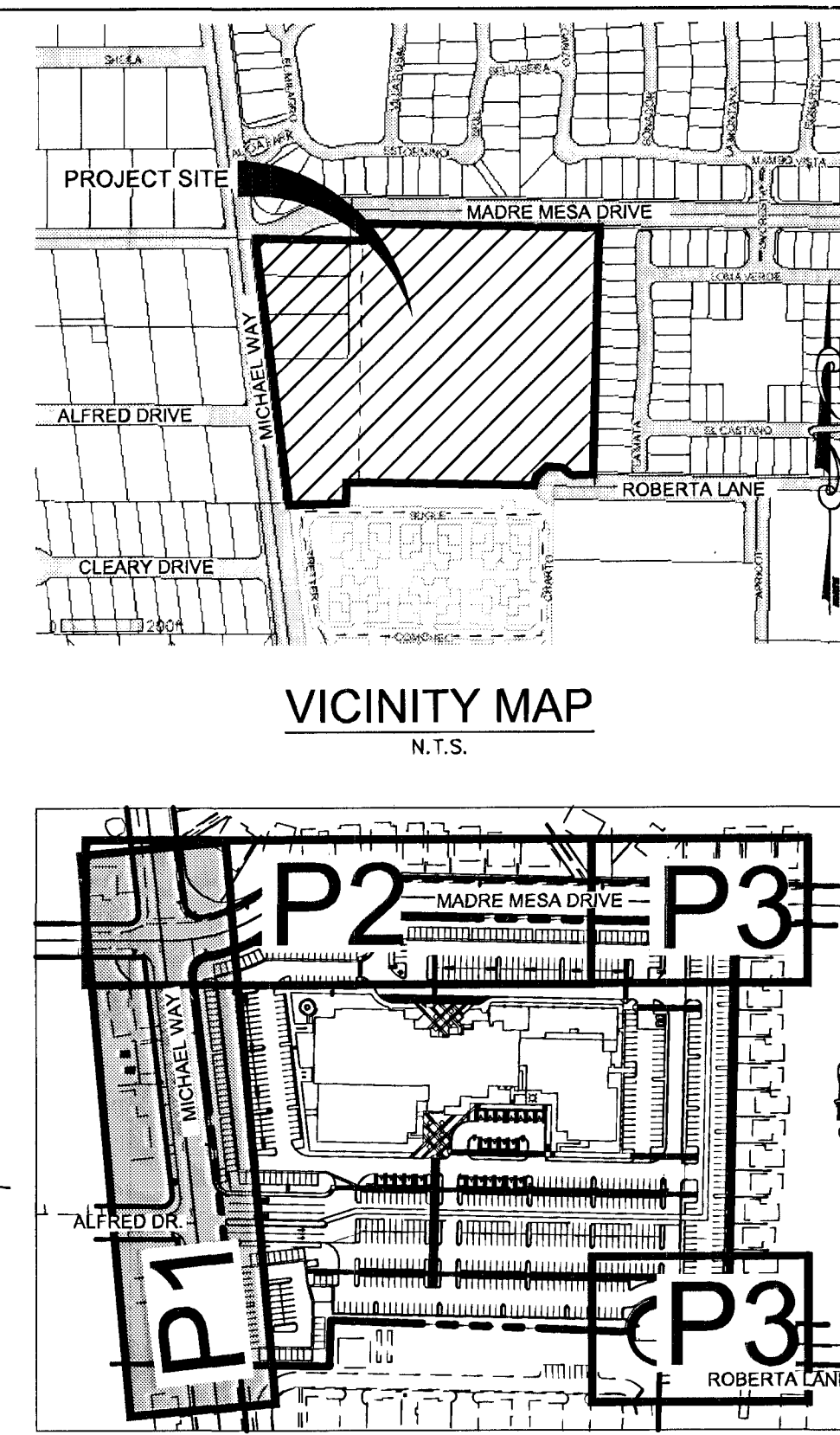
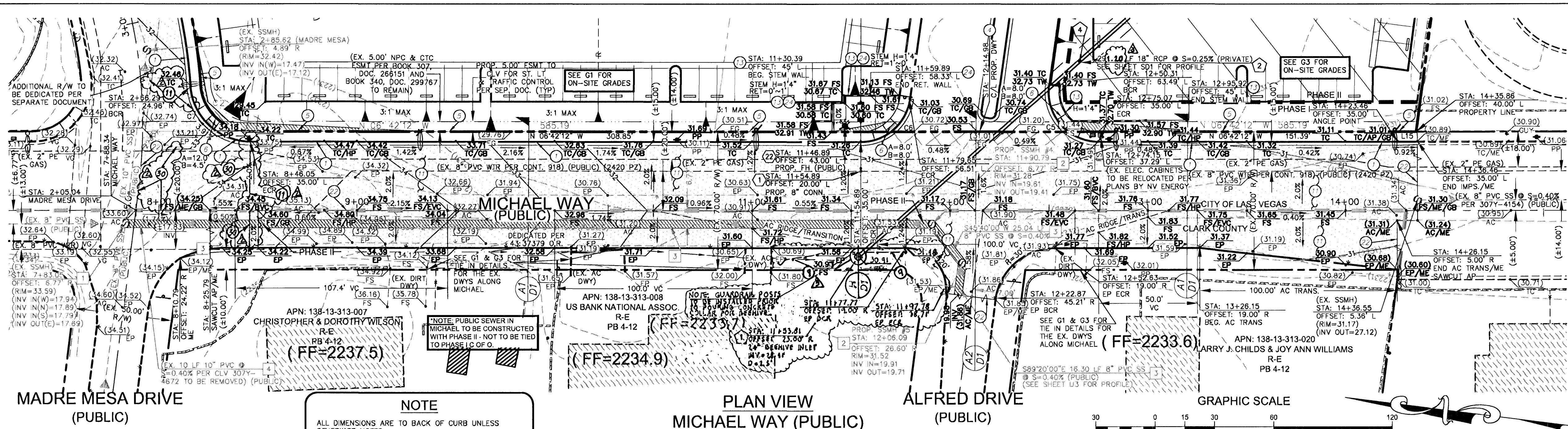
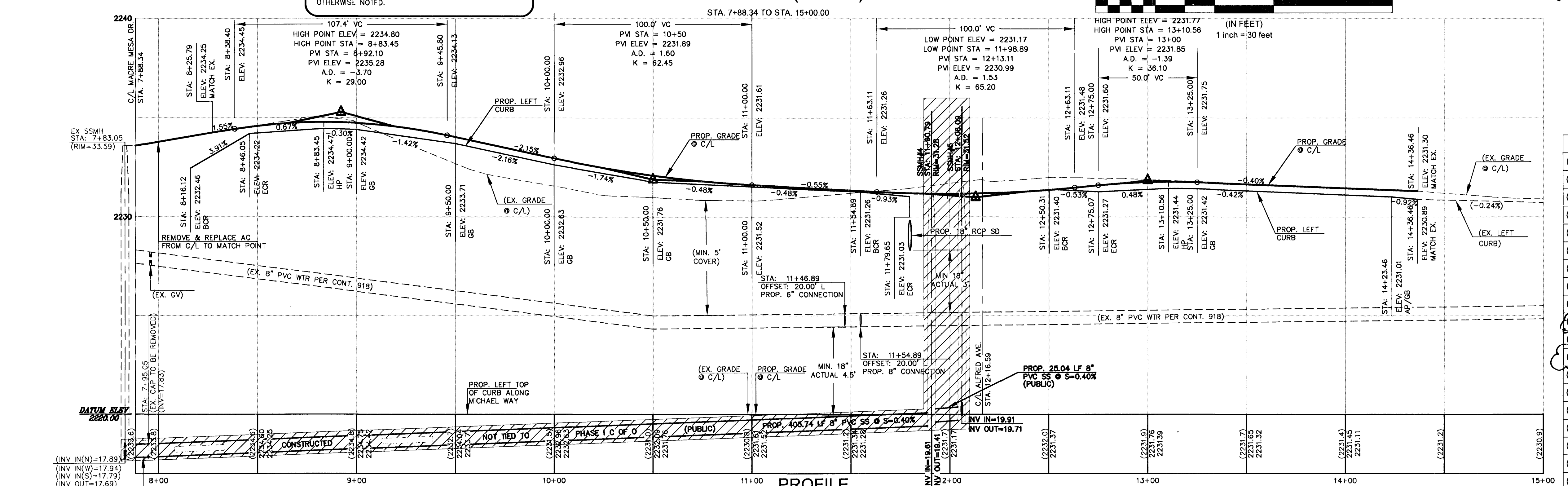
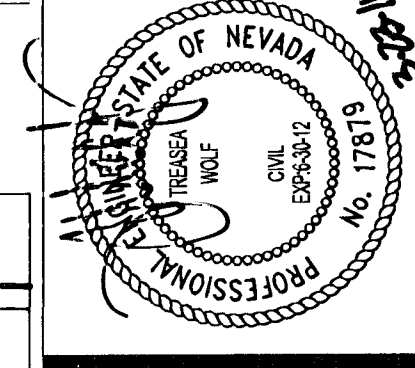




W E
WALKER ENGINEERING, LLC
5765 S. RAINBOW BLVD
SUITE 101
LAS VEGAS, NV 89118
TEL: 702.873.5197
FAX: 702.873.5346



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 "BLVD00 1356" BEING A CITY OF LAS VEGAS PIN AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF MICHAEL WAY AND CLEARLY CORNER, 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 SOUTHWEST 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 LINE OF SECTION 13, TOWNSHIP 20 SOUTH, RANGE 60 EAST, MONTE DABLO 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.

PROPERTY LINE TABLE

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

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	S88°44'13"E
L6	9.99	S88°41'12"E
L7	18.61	S70°21'54"E
L8	5.01	S01°18'48"W
L9	5.00	S01°18'48"W
L10	5.00	S01°18'48"W
L11	5.00	S01°18'48"W
L12	10.00	S87°37'05"E
L13	18.32	S87°37'05"E
L14	24.05	S87°37'05"E
L15	10.00	S87°37'05"E

PROPERTY LINE CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	78.43	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 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"	36.88
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°04'25"	0.03
C15	25.01	40.50	35°23'14"	12.92
C16	87.27	40.50	123°27'51"	75.32

ENGINEER'S NOTES

- ALL WORK SHALL CONFORM TO THE SOILS REPORT PREPARED BY J.A. CESARE DATED OCTOBER 13, 2009, PROJECT NO. 09-1180, ADDENDUM DATED JUNE 22, 2010 & UPDATE DATED FEBRUARY 16, 2011.
- 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)
- FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE-HALF INCH ABOVE THE TOP OF THE GUTTER (INCLUDING OPEN GRADE).
- SEE ARCHITECTS PLANS FOR ALL HANDICAP ACCESSIBILITY INFORMATION, RAMP DETAILS, TRANSFORMERS, AND TRASH ENCLOSURE DETAILS. VERIFY BUILDING LAYOUTS AND DIMENSIONS WITH ARCHITECTURAL PLANS.
- CONTRACTOR IS RESPONSIBLE FOR DUST AND EROSION CONTROL DURING CONSTRUCTION.
- SEE LANDSCAPE PLANS FOR LANDSCAPING AND ONSITE IRRIGATION.
- THIS PLAN SHALL NOT, IN PART OR IN WHOLE, BE USED FOR CONSTRUCTION UNTIL APPROVED AND SIGNED BY ALL APPLICABLE GOVERNMENT AGENCIES.
- ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.
- ALL MATCH ELEVATIONS SHOWN TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

LEGEND

- PROPERTY LINE
- STREET CENTERLINE
- PROPOSED RETAINING WALL
- PROPOSED BUILDING
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED CURB & GUTTER
- PROPOSED CURB
- EXISTING CURB & GUTTER
- CONSTRUCTION NOTE
- CUT FILL TRANSITION
- SAW CUT LIMITS
- SCARP
- SLOPE
- FLOW LINE
- EASEMENT LINE
- HANDICAP PARKING
- FINISHED SURFACE
- CURB FACE
- CURB BACK
- EDGE OF PAVEMENT
- TOP OF GRADE
- PROPOSED GRADE
- EXISTING GRADE
- NEW AC PAVEMENT
- PHASE II

STORM DRAIN CONSTRUCTION NOTES

NO	ITEM
1	INSTALL 24" BEEHIVE INLET WITH CONCRETE APRON PER CC STD. DWG. NO. 416. SEE DETAIL 1 ON SHEET D2.
2	INSTALL 18" CLASS III RCP STORM DRAIN PIPE
3	INSTALL 18" RCP END SECTION PER NDOT DETAIL R-2.3.1. SEE DETAIL 2 ON SHEET D2.
4	INSTALL CLEAN OUT

WATER CONSTRUCTION NOTES

NO	ITEM
1	INSTALL 18" CLASS III RCP WATER LINE WITH 8" x 8" MU TAPPING SLEEVE (OR APP. EQUIV.) AND 8" GATE VALVE PER UDACS PLATE 34 & 39. EXCAVATE PER UDACS PLATE 17 & 19.
2	INSTALL FIRE HYDRANT AND 8" GATE VALVE PER UDACS PLATES 40

CONSTRUCTION NOTES

NO	ITEM
1	CONSTRUCT 3.5" MIN AC OVER EXISTING 8" MIN. TYPE II AGG. BASE PER LETTER BY J.A. CESARE DATED 8/26/11.

CLARK COUNTY DEPARTMENT OF PUBLIC WORKS

ACCEPTANCE OF PLANS FOR FILING BY
Don Gregory 3-25-11

NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO THE CLARK COUNTY.

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	INSTALL GUARDRAIL PER NDOT DETAILS R-2.1.1, R-2.1.2 & R-2.1.3
10	TYPE II GRAVEL
11	CONSTRUCT 3.5" MIN AC OVER 8" TYPE II AGG. BASE PER LETTER BY J.A. CESARE DATED 8/26/11.
12	CONSTRUCT 8" WIDE CROSS GUTTER PER DETAIL 7 ON SHEET D1
13	CONSTRUCT 18" CLASS III RCP WATER LINE WITH 8" x 8" MU TAPPING SLEEVE (OR APP. EQUIV.) AND 8" GATE VALVE PER UDACS PLATE 34 & 39. EXCAVATE PER UDACS PLATE 17 & 19.
14	CONSTRUCT 2" MIN AC OVER 8" TYPE II AGG. BASE PER UDACS REPORT BY J.A. CESARE. SEE DETAIL 1 ON SHEET D1
15	CONSTRUCT 2.5" MIN AC OVER 9" TYPE II AGG. BASE PER UDACS REPORT BY J.A. 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

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 SDR35 SEWER MAIN
4	REMOVE EXISTING 10" SS TO EX. SSMH

NOTE

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

APPROVED FOR CONSTRUCTION

Don Gregory
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 116838 DATE: 03/28/11

CLV DRAWING NO. 107V5608-1

91 OF 27 SHEETS

CATALYST CONSULTING COMPANY

AGUILAS CFC CHURCH

MICHAEL WAY
PLAN & PROFILE
STA. 7+88.34 TO STA. 15+00.00
H377:5

REVISIONS	DATE	DESCRIPTION	INITIALS
1	3/22/11	SHUT DOWN WORK CLOSER TO PHASE II AND CLARIFYING DUE TO CLARITY WATER CONSULT	16
2	3/22/11	REVISE PERMITS/NOTES FOR MICHAEL & MADRE MESA	16

CC#TE: 10-10763
SUBMITTAL NO. FINAL
DATE: MARCH 22, 2011
WE PROJECT NO.
1167.00
AGENCY NO.
CLV:37715
SHEET NO.:
P1