

CONSTRUCTION QUANTITIES				PUBLIC PHASE I			
NO	ITEM	UNIT	CC/CLV	PRIVATE	NO	ITEM	UNIT
20	CONSTRUCT 3.5" MIN AC OVER EXISTING 8" MIN. TYPE II AGG. BASE PER LETTER BY JA CESARE DATED 8/26/11	SY	-/2250	-			

CONSTRUCTION QUANTITIES				PUBLIC PHASE I	
NO	ITEM	UNIT	CC/CLV	PRIVATE	
1	CONSTRUCT "L" TYPE CURB AND GUTTER PER STD DWG NO. 216.	LF	-/1760	2167	
2	CONSTRUCT "A" TYPE CURB PER STD. DWG. NO. 219.	LF	-/1828	6428	
3	CONSTRUCT 8" CONCRETE CROSS GUTTER PER STD DWG NO 228	SF	-/378	-	
4	CONSTRUCT COMMERCIAL DRIVEWAY PER STD DWG NO 222A & 225	SF	-/2028	-	
5	CONSTRUCT 4" SIDEWALK PER STD DWG NO. 234.	SF	57/7120	21,850	
6	CONSTRUCT ADA RAMPS WITH ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER STD DWG NO 235, CASE 1	EA	-/7	-	
7	CONSTRUCT 2' WIDE SIDEWALK UNDERDRAIN PER STD DWG NO. 236	EA	-/9	2	
8	TRANSITION FROM 0" TO 6" CURB IN 10 FEET	LF	-	20	
9	TYPE I GRAVEL	CY	307/208	-	
10	TYPE II GRAVEL	CY	1384/2587	-	
11	CONSTRUCT 3.5" MIN AC OVER 8" TYPE II AB	SY	-	-	
12	CONSTRUCT 8" WIDE CROSS GUTTER PER DETAIL 7 ON SHEET D1	SF	-/8087	-	
13	CONSTRUCT 14" SOLID GROUTED STEM WALL WITH TOP CAP & TOP PERMIT BY OTHERS - SEE ARCHITECTURAL PLANS FOR DETAILS	LF	-/859	-	
14	CONSTRUCT 2" MIN AC OVER 8" TYPE II AGG. BASE PER SOILS REPORT BY JA CESARE. SEE DETAIL 1 ON SHEET D1	SY	-	25,317	
15	CONSTRUCT 2.5" MIN AC OVER 9" TYPE II AGG. BASE PER SOILS REPORT BY JA CESARE. SEE DETAIL 2 ON SHEET D1	SY	-	7,302	
16	CONSTRUCT 3' WIDE VALLEY GUTTER PER DETAIL 3 ON SHEET D1	SF	-/-	4023	
17	CONSTRUCT ON-SITE RAMP PER DETAIL 4 ON SHEET D1.	EA	-	8	
18	CONSTRUCT ON-SITE RAMP PER DETAIL 5 ON SHEET D1.	EA	-	8	
19	CONSTRUCT TRASH ENCLOSURE PER ARCHITECTURAL PLAN (BY OTHERS)	EA	-	2	
20	CONSTRUCT 0" CURB	LF	-	94	
21	CONSTRUCT HALF OF CUL-DE-SAC PER STD DWG NO. 212	SF	-/-	-	
22	SAWCUT AND MATCH EXISTING PAVEMENT.	LF	91/951	-	
23	CONSTRUCT 2' WIDE CONCRETE FLUME PER DETAIL 6 ON SHEET D1	LF	-	56	
24	CONSTRUCT RETAINING WALL (H MAX=3'4") PER SEP. PERMIT BY OTHERS	LF	-/37	252	
25	CONSTRUCT SCREEN WALL PER SEP. PERMIT BY OTHERS	LF	-	258	
26	INSTALL 6" PVC ROOF DRAIN PIPE. TRANSITION TO 3"x12 1/2" RECTANGULAR PIPE THROUGH CURB. ALHAMBRA A-480 ADAPTOR OR EQUAL	LF	-	38	
27	INSTALL 4" PVC ROOF DRAIN PIPE. TRANSITION TO 3"x5" RECTANGULAR PIPE THROUGH CURB. ALHAMBRA A-480 ADAPTOR OR EQUAL.	LF	-	11	
28	INSTALL 3" PVC ROOF DRAIN PIPE THROUGH CURB	LF	-	39	
29	ROOF DRAIN TO SPILL TO GRADE-SEE ARCH. PLANS FOR SPASH BLOCK DETAILS.	EA	-	6	

STORM DRAIN CONSTRUCTION QUANTITIES				PUBLIC			
NO	ITEM	UNIT	CC	CLV	NO	ITEM	UNIT
1	INSTALL 24" BEEHIVE INLET WITH CONCRETE APRON PER CC STD. DWG. NO. 416. SEE DETAIL 1 ON SHEET D2.	EA	1	-	1	INSTALL 2" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE 4	EA
2	INSTALL 18" CLASS III RCP STORM DRAIN PIPE	LF	38	295	2	INSTALL 1 1/2" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE 4	EA
3	INSTALL 18" RCP END SECTION PER NDOT DETAIL R-2.3.1. SEE DETAIL 2 ON SHEET D2.	EA	-	1	3	INSTALL 2" METER PER UDACS PLATE NO 4	EA
4	INSTALL CLEAN OUT	EA	-	1	4	INSTALL 2" RPPA PER UDACS PLATE NO 8	EA

PHASE II CONSTRUCTION QUANTITIES				PUBLIC PHASE II			
NO	ITEM	UNIT	CC/CLV	PRIVATE	NO	ITEM	UNIT
1	CONSTRUCT "L" TYPE CURB AND GUTTER PER STD DWG NO. 216.	LF	-/189	-	7	INSTALL 1 1/2" METER PER UDACS PLATE NO 4	EA
5	CONSTRUCT 4" SIDEWALK PER STD DWG NO. 234.	SF	-/945	-	8	INSTALL 2" RPPA PER UDACS PLATE NO 8	EA
7	CONSTRUCT 2' WIDE SIDEWALK UNDERDRAIN PER STD DWG NO. 236	EA	-/2	-	10	INSTALL 1 1/2" RPPA PER UDACS PLATE NO 8	EA
9	TYPE I GRAVEL	CY	46/68	-	11	INSTALL 8" PVC WL - C900, CLASS 150	LF
10	TYPE II GRAVEL	CY	28/42	-	12	INSTALL 6" PVC WL - C900, CLASS 150	LF
11	CONSTRUCT 3.5" MIN AC OVER 4" TYPE II AB OVER 6.5" TYPE I AB	SY	252/379	-	13	INSTALL 2" COPPER WATER LINE (PUBLIC)	LF
20	CONSTRUCT HALF OF CUL-DE-SAC PER STD DWG NO. 212	SF	2287/4949	-	14	INSTALL 1 1/2" COPPER WATER LINE (PUBLIC)	LF
22	CONSTRUCT RETAINING WALL (H MAX=3'4") PER SEP. PERMIT BY OTHERS	LF	-/37	-	15	INSTALL 2" BRASS WATER LINE (PUBLIC)	LF

DECATUR MEDIAN CONSTRUCTION QUANTITIES				PUBLIC			
NO	ITEM	UNIT	CC/CLV	PRIVATE	NO	ITEM	UNIT
2	CONSTRUCT "L" TYPE CURB PER STD. DWG. NO. 219.	LF	200	-	17	INSTALL 3"X 2" REDUCER PER UDACS PLATE 30	EA
11	CONSTRUCT 4.5" MIN AC OVER 4" TYPE II AB OVER 13" TYPE I AB	SY	242	-	18	INSTALL 3"X 1 1/2" REDUCER PER UDACS PLATE 30	EA
22	SAWCUT AND MATCH EXISTING PAVEMENT.	LF	215	-	19	INSTALL 3" WATER LINE (PVC) ON-SITE (PRIVATE)	LF

SEWER CONSTRUCTION QUANTITIES				PUBLIC			
NO	ITEM	UNIT	PHASE I	PRIVATE	NO	ITEM	UNIT
1	CONTRACTOR TO VERIFY INVERT PRIOR TO CONSTRUCTION & MODIFY MANHOLE INVERT FOR 8" SS	EA	1	-	22	INSTALL FIRE HYDRANT AND 6" GATE VALVE PER UDACS PLATES 40	EA
2	INSTALL 48" DIA. PRE-CAST SEWER MANHOLE PER SD-1A & SD-1B	EA	1	2	23	INSTALL GATE VALVE SAME SIZE AS LINE PER UDACS PLATES 30 & 39	EA
3	INSTALL 8" DIA PVC SDR-35 SEWER MAIN	LF	-	489	24	INSTALL 90° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
4	REMOVE EXISTING 10" SS TO EX. SSMH	LF	-	-	25	INSTALL 45° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
5	STUB AND CAP FOR FUTURE CONNECTION	EA	-	-	26	INSTALL 22.5° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
6	INSTALL 6" CLEAN OUT PER SD-26	EA	-	3	27	INSTALL 11.25° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
7	INSTALL 6" DIA PVC SDR-35 SEWER LATERAL PER SD-22 WITH MARKER PER SD-25	LF	-	148	28	MINIMUM 18" CLEAR BETWEEN WATER & SEWER PER UDACS 2.22.02A	EA
8	INSTALL WYE & 45° BEND PER SD-22	EA	-	3	29	INSTALL BLUE REFLECTIVE PAVEMENT MARKER IN THE FIRE LANE ADJACENT TO EACH HYDRANT	EA

TRAFFIC QUANTITIES				PUBLIC			
NO	ITEM	UNIT	CC/CLV	PRIVATE	NO	ITEM	UNIT
1	INSTALL "STOP SIGN" R-1 (30")	EA	3	-	1	INSTALL 2" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE 4	EA
2	SIGHT VISIBILITY ZONES, SEE H SHEETS FOR DETAILS	EA	-	-	2	INSTALL 1 1/2" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE 4	EA
3	INSTALL 4" SOLID WHITE LINE 1' OFF OF PROPOSED EDGE OF PAVEMENT	LF	605	-	3	INSTALL 2" METER PER UDACS PLATE NO 4	EA
4	INSTALL TYPE I CENTERLINE PER STD. DWG. 244	LF	-	-	4	INSTALL 2" RPPA PER UDACS PLATE NO 8	EA
5	INSTALL TYPE II CENTERLINE PER STD. DWG. 244	LF	568	-	10	INSTALL 1 1/2" RPPA PER UDACS PLATE NO 8	EA
6	INSTALL 2" PVC STREETLIGHT CONDUIT W/ (2) #4 & (1) #8 THW COPPER CONDUCTORS	LF	-	-	11	INSTALL 8" PVC WL - C900, CLASS 150	LF
7	INSTALL 1 1/4" PVC STREETLIGHT CONDUIT W/ (2) #4 & (1) #8 THW COPPER CONDUCTORS	LF	-	-	12	INSTALL 6" PVC WL - C900, CLASS 150	LF
8	INSTALL 3" PVC CONDUIT WITH A 6 PAIR PE 39#22 AWG LOCATING WIRE	LF	-	-	13	INSTALL 2" COPPER WATER LINE (PUBLIC)	LF
9	INSTALL 250W STREET LIGHT PER USD #301.1, #314, #320 & #321	EA	-	-	14	INSTALL 1 1/2" COPPER WATER LINE (PUBLIC)	LF
10	INSTALL 100W STREET LIGHT PER USD #311.1A, #314, #320 & #321	EA	-	-	15	INSTALL 2" BRASS WATER LINE (PUBLIC)	LF
11	INSTALL R7-1APR (18" X 24") NO PARKING SIGNS	EA	-	-	16	INSTALL 1 1/2" BRASS WATER LINE (PUBLIC)	LF
12	INSTALL P30 PULL BOX WITH "FIBER OPTIC" INSCRIBED ON LID	EA	-	-	17	INSTALL 3"X 2" REDUCER PER UDACS PLATE 30	EA
13	INSTALL 3-1/2" PULLBOX	EA	-	-	18	INSTALL 3"X 1 1/2" REDUCER PER UDACS PLATE 30	EA
14	INSTALL ARROW TURN SYMBOL PER USDCCA STD DWG NO. 246A.	EA	-	-	19	INSTALL 3" WATER LINE (PVC) ON-SITE (PRIVATE)	LF
15	INSTALL "ONLY" SYMBOL PER USDCCA STD DWG NO. 246A.	EA	-	-	20	INSTALL 8"x 8" TEE PER UDACS PLATE 31	EA
16	INSTALL MEDIAN NOSE MARKINGS PER USDCCA STD DWG NO. #218 AND #248	EA	-	-	21	INSTALL 3"x 3" TEE PER UDACS PLATE 31	EA
17	INSTALL R5-1 "DO NOT ENTER" SIGN	EA	-	-	22	INSTALL FIRE HYDRANT AND 6" GATE VALVE PER UDACS PLATES 40	EA
18	INSTALL R3-2 "NO LEFT TURN" SIGN	EA	-	-	23	INSTALL GATE VALVE SAME SIZE AS LINE PER UDACS PLATES 30 & 39	EA
19	INSTALL STORAGE LANE LINE PER STD. DWG. 246	EA	85	85	24	INSTALL 90° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
20	INSTALL PCC ISLAND CURB PER STD. DWG. 220	SF	975	-	25	INSTALL 45° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
21	REMOVE EXISTING STRIPING	LF	975	-	26	INSTALL 22.5° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
22	REMOVE EXISTING OM-3R SIGNS	EA	-	-	27	INSTALL 11.25° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
23	REMOVE EXISTING END OF ROAD SIGNS	EA	-	-	28	MINIMUM 18" CLEAR BETWEEN WATER & SEWER PER UDACS 2.22.02A	EA
24	INSTALL 125 AMP SERVICE PEDESTAL	EA	-	-	29	INSTALL BLUE REFLECTIVE PAVEMENT MARKER IN THE FIRE LANE ADJACENT TO EACH HYDRANT	EA
25	INSTALL "ENTER ONLY" 102 SIGN (PRIVATE)	EA	-	-	30	INSTALL 10" X 8" REDUCER PER UDACS PLATE 30	EA
26	INSTALL OM-3R SIGNS AT 25' OC	EA	-	6	31	INSTALL 6" DIP WL	LF
27	INSTALL 8" SOLID WHITE LINE 1' OFF OF PROPOSED EDGE OF PAVEMENT	LF	-	181			
28	INSTALL TYPE II CENTERLINE PER USDCCA STD DWG NO. #244	LF	-	144			
29	INSTALL TRANSITION STRIPING PER USDCCA STD DWG NO. 245 (2 OF 3)	LF	20	127			

WATER CONSTRUCTION QUANTITIES				PUBLIC			
NO	ITEM	UNIT	CC/CLV	PRIVATE	NO	ITEM	UNIT
1	INSTALL 2" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE 4	EA	1	1	1	INSTALL 2" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE 4	EA
2	INSTALL 1 1/2" SERVICE SADDLE & CORPORATION STOP PER UDACS PLATE 4	EA	1	-	2	INSTALL 2" METER PER UDACS PLATE NO 4	EA
3	INSTALL 2" METER PER UDACS PLATE NO 4	EA	1	1	4	INSTALL 2" RPPA PER UDACS PLATE NO 8	EA
4	INSTALL 2" RPPA PER UDACS PLATE NO 8	EA	-	2	10	INSTALL 1 1/2" RPPA PER UDACS PLATE NO 8	EA
10	INSTALL 1 1/2" RPPA PER UDACS PLATE NO 8	EA	-	1	11	INSTALL 8" PVC WL - C900, CLASS 150	LF
11	INSTALL 8" PVC WL - C900, CLASS 150	LF	78	1994	12	INSTALL 6" PVC WL - C900, CLASS 150	LF
12	INSTALL 6" PVC WL - C900, CLASS 150	LF	73	222	13	INSTALL 2" COPPER WATER LINE (PUBLIC)	LF
13	INSTALL 2" COPPER WATER LINE (PUBLIC)	LF	1	-	14	INSTALL 1 1/2" COPPER WATER LINE (PUBLIC)	LF
14	INSTALL 1 1/2" COPPER WATER LINE (PUBLIC)	LF	1	-	15	INSTALL 2" BRASS WATER LINE (PUBLIC)	LF
15	INSTALL 2" BRASS WATER LINE (PUBLIC)	LF	1	-	16	INSTALL 1 1/2" BRASS WATER LINE (PUBLIC)	LF
16	INSTALL 1 1/2" BRASS WATER LINE (PUBLIC)	LF	1	-	17	INSTALL 3"X 2" REDUCER PER UDACS PLATE 30	EA
17	INSTALL 3"X 2" REDUCER PER UDACS PLATE 30	EA	-	1	18	INSTALL 3"X 1 1/2" REDUCER PER UDACS PLATE 30	EA
18	INSTALL 3"X 1 1/2" REDUCER PER UDACS PLATE 30	EA	-	1	19	INSTALL 3" WATER LINE (PVC) ON-SITE (PRIVATE)	LF
19	INSTALL 3" WATER LINE (PVC) ON-SITE (PRIVATE)	LF	-	438	20	INSTALL 8"x 8" TEE PER UDACS PLATE 31	EA
20	INSTALL 8"x 8" TEE PER UDACS PLATE 31	EA	-	2	21	INSTALL 3"x 3" TEE PER UDACS PLATE 31	EA
21	INSTALL 3"x 3" TEE PER UDACS PLATE 31	EA	-	1	22	INSTALL FIRE HYDRANT AND 6" GATE VALVE PER UDACS PLATES 40	EA
22	INSTALL FIRE HYDRANT AND 6" GATE VALVE PER UDACS PLATES 40	EA	2	5	23	INSTALL GATE VALVE SAME SIZE AS LINE PER UDACS PLATES 30 & 39	EA
23	INSTALL GATE VALVE SAME SIZE AS LINE PER UDACS PLATES 30 & 39	EA	1	6	24	INSTALL 90° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
24	INSTALL 90° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA	-	7	25	INSTALL 45° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
25	INSTALL 45° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA	-	3	26	INSTALL 22.5° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
26	INSTALL 22.5° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA	-	2	27	INSTALL 11.25° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA
27	INSTALL 11.25° BEND SAME SIZE AS LINE PER UDACS PLATE NO 31	EA	-	3	28	MINIMUM 18" CLEAR BETWEEN WATER & SEWER PER UDACS 2.22.02A	EA
28	MINIMUM 18" CLEAR BETWEEN WATER & SEWER PER UDACS 2.22.02A	EA	1	2	29	INSTALL BLUE REFLECTIVE PAVEMENT MARKER IN THE FIRE LANE ADJACENT TO EACH HYDRANT	EA
29	INSTALL BLUE REFLECTIVE PAVEMENT MARKER IN THE FIRE LANE ADJACENT TO EACH HYDRANT	EA	1	5	30	INSTALL 10" X 8" REDUCER PER UDACS PLATE 30	EA
30	INSTALL 10" X 8" REDUCER PER UDACS PLATE 30	EA	2	2	31	INSTALL 6" DIP WL	LF
31	INSTALL 6" DIP WL	LF	24	-			

QUANTITIES NOTE
QUANTITIES SHOWN ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN ESTIMATE FOR BIDDING AND SHALL BID A COMPLETE JOB. CONTRACTOR SHALL ADVISE OWNER AND ENGINEER OF ANY APPARENT DISCREPANCIES IN ESTIMATE.

APPROVED FOR CONSTRUCTION
Don Gregory
Las Vegas Valley Water District Engineering Services Manager
Date 03/28/11 Project No. 10386 ESN/18

CLV DRAWING NO. 107V 5608-1

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

APPROVAL
DATE: 9/13/11
INITIALS: [Signature]
DATE: 9/13/11
INITIALS: [Signature]

REVISIONS

NO	REV	DESCRIPTION
1	1	REVISE PAVEMENT SECTIONS FOR MICHAEL A. MADORE MESA
2	2	REVISE RPPA (LIVID ONLY)
3	3	REVISE RPPA (LIVID ONLY)

CATALYST CONSULTING COMPANY
AGUILAS CFC CHURCH

CC HTE: 10-10763
SUBMITTAL NO. FINAL
DATE: FEBRUARY 16, 2011
WE PROJECT NO.
1167.00
AGENCY NO.
CLV:37715
SHEET NO.:
C3
3 OF 27 SHEETS

H37715 NOTES AND QUANTITIES - 2 OF 2
PHASE I