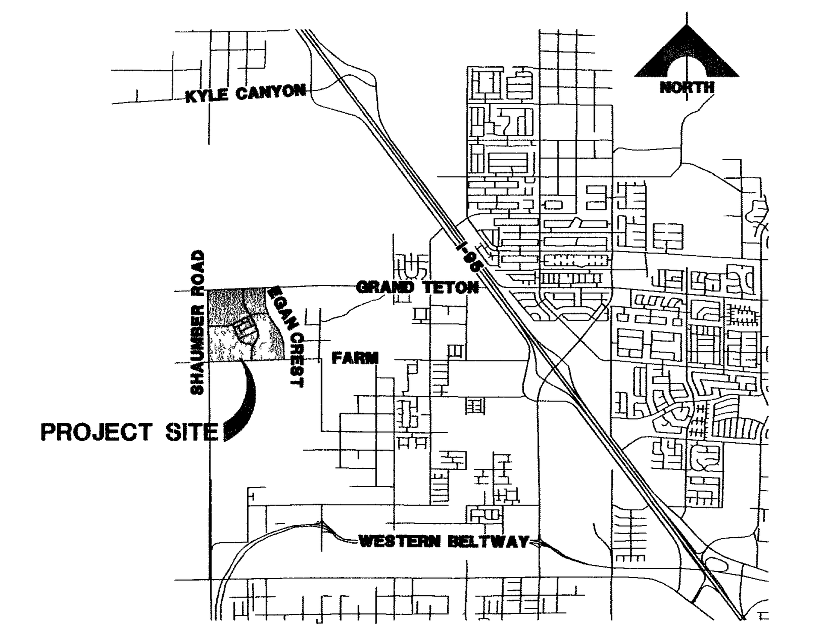
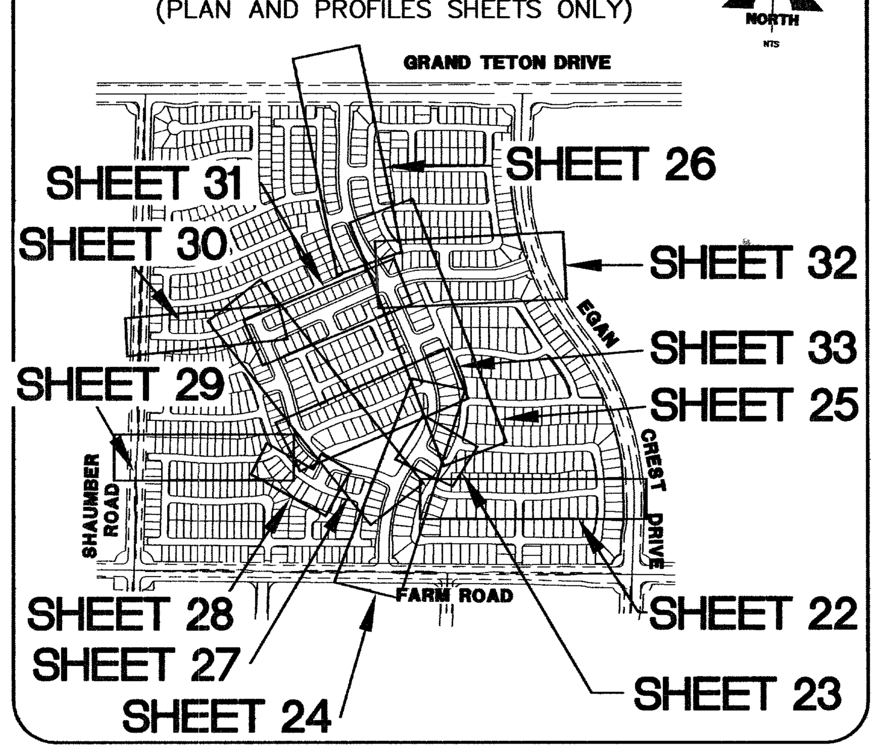


VICINITY MAP

SHEET INDEX MAP
(PLAN AND PROFILES SHEETS ONLY)



WATER QUANTITIES (PUBLIC)

12" PVC WATER MAIN	2707	LF
8" PVC WATER PIPE	4110	LF
8" DIP WATER PIPE	221	LF
6" PVC WATER PIPE	115	LF
6" DIP WATER PIPE	49	LF
6" GATE VALVE	2	EA
8" GATE VALVE	20	EA
12" GATE VALVE	9	EA
FIRE HYDRANT ASSEMBLY	12	EA
CAP W/ 2" BLOWOFF	15	EA
12"X6" TEE	1	EA
12"X8" TEE	10	EA
8"X8" TEE	6	EA
12"X8" CROSS	1	EA
8"X6" REDUCER	1	EA
5° BEND	11	EA
11 1/4° BEND	16	EA
22 1/2° BEND	2	EA
45° BEND	2	EA
90° BEND	2	EA
1-1/2" IRRIGATION METER W/ 1-1/2" RPPA	630	LF
1" TYPE K COPPER WATER	26	EA
3/4" METER	25	LF
18" STEEL SLEEVE	3	EA
12"x10" REDUCER	1	EA

SEWER QUANTITIES (PUBLIC)

8" SDR 35	4457	LF
48" SANITARY MANHOLE	34	EA

SEWER QUANTITIES (PRIVATE)

4" PVC	1400	LF

STORM DRAIN QUANTITIES (PUBLIC)

24" STORM DRAIN	1181	LF
30" STORM DRAIN	62	LF
36" STORM DRAIN	921	LF
42" STORM DRAIN	474	LF
48" STORM DRAIN	874	LF
54" STORM DRAIN	1717	LF
60" STORM DRAIN	1630	LF
STORM DRAIN MANHOLE TYPE I	2	EA
STORM DRAIN MANHOLE TYPE II	2	EA
STORM DRAIN MANHOLE TYPE III	43	EA
5.0' TYPE "CM" DROP INLET	2	EA
7.5' TYPE "CM" DROP INLET	6	EA
12.5' TYPE "CM" DROP INLET	3	EA

ROUGH GRADING QUANTITIES (PUBLIC)

EXCAVATION & EMBANKMENT	440,056	CY

85 374 $\$1$ 89246 $\$1$ 91902

ROADWAY (PRIVATE)

2" ASPHALTIC CONCRETE PAVEMENT	2684	SY
3" ASPHALTIC CONCRETE PAVEMENT	28,347	SY
4" TYPE II BASE	3972	CY
6" TYPE "L" CURB AND GUTTER	10,660	LF
TYPE "A" ISLAND CURB	956	LF
30" ROLL CURB	1488	LF
HANDICAP RAMP DEPRESSION	14	EA
STREET LANDSCAPING	18,793	SY
8' CONCRETE CROSS GUTTER	5	EA
STREET LIGHTS	36	EA

LEGEND & ABBREVIATION

- (1) DETAIL DRAWING NUMBER
- (1/–) DRAWING NUMBER FOR DETAIL DRAWN ON SAME SHEET
- (1/7) DRAWING NUMBER FOR DETAIL WITH REFERENCE TO THE SHEET IT IS DRAWN ON
- (D1,D2/S) DRAWING NUMBER(S) FOR DETAIL(S) PER STANDARDS IN ABBREVIATION TABLE
- (1/1) INDICATES CONSTRUCTION NOTE
- (A/1) INDICATES REMOVAL NOTE
- ① INDICATES CURVE NUMBER
- INDICATES SEWER MANHOLE IN PROFILE
- INDICATES STORM DRAIN MANHOLE IN PROFILE
- (60.5) TC EXIST. SPOT ELEVATION
- END PIPE & PLUG
- CONCRETE ENCASEMENT
- PROPERTY LINE
- BACK OF CURB
- CENTERLINE

EMBANKMENT

TOP
BOTTOM
PROPOSED
BY SEPARATE CONTRACT
EXISTING

ABBREVIATION

I	=	IMPROVEMENTS
W	=	WATER
S	=	SEWER
SD	=	STORM DRAIN
IR	=	IRRIGATION
T	=	TELECOMMUNICATION
SL	=	STREET LIGHTING
SIG	=	TRAFFIC SIGNAL
SMH	=	SEWER MANHOLE
SDMH	=	STORM DRAIN MANHOLE
CLV	=	CITY OF LAS VEGAS
LVVWD	=	LAS VEGAS VALLEY WATER DISTRICT
LSCP	=	LANDSCAPE PANEL / PROPERTY LINE
NDOT	=	NEVADA DEPT. OF TRANSPORTATION
UDS	=	UNIFORM DESIGN AND CONSTRUCTION STANDARDS (UDACS)
USD	=	UNIFORM STANDARD DWGS. (CLARK COUNTY)
DCSWCS	=	DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS
CCWRD	=	CLARK COUNTY WATER RECLAMATION DISTRICT

NOTE: LEGEND & ABBREVIATIONS IN THE "UNIFORM STANDARD DRAWINGS" CLARK COUNTY AREA, LATEST EDITION, WILL BE UTILIZED FOR ANY LEGEND & ABBREVIATION REQUIRED WHICH ARE NOT SHOWN.

CONSTRUCTION NOTES

1. THE DESIGN GRADE (DG) INDICATED ON THESE PLANS IS FOR VERTICAL ELEVATION DESIGN CALCULATION PURPOSES AND DOES NOT NECESSARILY REPRESENT THE FINISH IMPROVEMENT GRADES @ CENTERLINE (I E THROUGH MEDIAN AREAS).
2. ALL EXISTING UTILITY CROSSINGS MUST BE VERIFIED PRIOR TO CONSTRUCTION OF ANY MAIN LINES OR LATERALS THAT MAY BE ADVERSELY EFFECTED. ANY DISCREPANCIES IN LOCATION AND/OR ELEVATION MUST BE PROVIDED TO THE ENGINEER FOR ACCEPTANCE PRIOR TO CONSTRUCTION.
3. ALL COMMON LOTS AS SHOWN HEREIN TO BE PRIVATELY MAINTAINED BY THE H.O A.
4. ALL WATER LINE GATE VALVES, SERVICE GATE VALVES, AND FIRE HYDRANT GATE VALVES ARE TO BE CONSTRUCTED UNDER A.C PAVEMENT IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT ALL WATER VALVE CANS DO NOT CREATE CONFLICTS WITH THE PROPOSED CURB LINE PRIOR TO PLACEMENT OF CONCRETE. ALL WATER FACILITIES SHOWN IN THESE DRAWINGS HAVE BEEN "SCALED-UP" FOR CLARITY ONLY.

DEVIATION FROM STANDARD

CENTERLINE RADIUS THRU INTERSECTION LESS THAN 400 FEET

MODIFIED KNUCKLES

EXCEEDED 150 FT MAXIMUM LENGTH OF 39 FT WIDE "STUB" STREETS

OFFSET CROWN

LAS VEGAS VALLEY WATER DISTRICT NOTES

LVVWD PROJECT # H111501

1 NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2·00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION
WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.

2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE **2003** EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS).

3 ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA

4 A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD

5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.

6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.

7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.

8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.19 OF THE **2003** EDITION OF THE UDACS.

9. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED, AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD DISTRIBUTION SYSTEM

10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.

11. ANY INTERRUPTION OF SERVICE MUST BE APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.

12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS

13. TELEPHONE "CALL BEFORE YOU DIG" AT 1-800-227-2600.

CONSTRUCTION NOTES

WATER

- (1/W) REMOVE CAP AND BLOW-OFF PER UDACS PL #4A NOTE 1 AND CONNECT TO EXISTING WATER LINE (CONTRACTOR TO VERIFY SIZE AND LOCATION OF EXISTING WATER LINE) IF DISCREPANCY EXISTS, NOTIFY ENGINEER PRIOR TO CONSTRUCTION
- (2/W) INSTALL CAP W/ 2" MANUAL BLOW-OFF ASSEMBLY (4A/UDS)
- (3/W) INSTALL 5° BEND W/ RESTRAINT JOINT
- (4/W) INSTALL 11 1/4° BEND
- (5/W) INSTALL 22 1/2° BEND
- (6/W) INSTALL 45° BEND
- (7/W) INSTALL 90° BEND
- (8/W) INSTALL 8"X6" TEE
- (9/W) INSTALL 12"X6" TEE
- (10/W) INSTALL 12"X8" TEE
- (11/W) INSTALL 8"X8" TEE
- (12/W) INSTALL 12"X12" TEE
- (13/W) INSTALL 12"X12" CROSS
- (14/W) INSTALL 6" DIA GATE VALVE AND VALVE BOX (8/UDS)
- (15/W) INSTALL 8" DIA GATE VALVE AND VALVE BOX (8/UDS)
- (16/W) INSTALL 12"X8" REDUCER
- (17/W) INSTALL 12" DIA GATE VALVE AND VALVE BOX (8/UDS)
- (18/W) INSTALL STANDARD FIRE HYDRANT ASSEMBLY (7/UDS)
- (19/W) INSTALL 3/4" WATER METER (1B/UDS)
- (20/W) INSTALL 1.5" IRRIGATION METER AND 1.5" RPPA (1D/UDS) (11A/UDS)
- (21/W) INSTALL 12" X 8" CROSS
- (22/W) INSTALL 8" X 6" REDUCER
- (23/W) INSTALL 18" STEEL SLEEVE (15/UDS) (16/UDS)
- (24/W) INSTALL 12"X10" REDUCER (2)

SEWER

- (1/S) INSTALL 48" DIA SEWER MANHOLE (SD1-8/DCSWCS)
- (2/S) INSTALL TEMPORARY PLUG AND CAP
- (3/S) REMOVE PLUG AND CONNECT TO EXISTING SEWER LINE. (CONTRACTOR TO VERIFY SIZE, INVERT AND LOCATION OF EXISTING SEWER LINE) PRIOR TO CONSTRUCTION

STORM DRAIN

- (1/SD) INSTALL 48" TYPE I STORM DRAIN MANHOLE (403/USD)
- (2/SD) INSTALL 60 " TYPE I STORM DRAIN MANHOLE (405/USD)
- (3/SD) INSTALL 48" TYPE III STORM DRAIN MANHOLE (405/USD)
- (4/SD) INSTALL 60" TYPE III STORM DRAIN MANHOLE (406/USD)
- (5/SD) INSTALL TEMPORARY PLUG AND CAP WITH BRICK MORTAR OR CONCRETE
- (6/SD) INSTALL TYPE "CM" DROP INLET (SEE PLAN FOR LENGTH) (A/21)
- (7/SD) PRECAST MANHOLE TEE (407/USD)
- (9/SD) REMOVE PLUG AND CONNECT TO EXISTING STORM DRAIN LINE (CONTRACTOR TO VERIFY SIZE, INVERT, AND LOCATION OF EXISTING STORM DRAIN LINE) PRIOR TO CONSTRUCTION
- (10/SD) INSTALL LOCKING MANHOLE COVER

IRRIGATION

- (1/IR) INSTALL IRRIGATION SLEEVES 2-4" SDR 35 PVC - BANK "B" (E/21)
- (2/IR) INSTALL IRRIGATION SLEEVES 2-4" & 1-6" SDR 35 PVC - BANK "A" (D/21)

IMPROVEMENTS

- (1/I) CONTRACTOR TO VERIFY LOCATION OF EXISTING IMPROVEMENT AND PROTECT IN PLACE
- (2/I) CONSTRUCT "L" TYPE CURB & GUTTER (6" CF) (216/USD)
- (3/I) NOT USED
- (4/I) INSTALL A.C. PAVEMENT PER TYPICAL STREET SECTIONS (SEE SHEET 19)
- (5/I) CONSTRUCT "A" TYPE CURB & GUTTER (219/USD)
- (6/I) CONSTRUCT DEPRESSED CURB FOR FUTURE SIDEWALK RAMP (235/USD)
- (7/I) ADJUST EXISTING FACILITY TO GRADE
- (8/I) SAWCUT AND REMOVE EXISTING AC AND CURB
- (9/I) INSTALL 8' WIDE CROSS GUTTER (228/USD)
- (10/I) CONSTRUCT 30" ROLL CURB & GUTTER (217A/USD)

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6. MASTER UTILTIY PLAN II
7. GRADING PLAN I
8. GRADING PLAN II
9. GRADING PLAN III
10. GRADING PLAN IV
11. GRADING PLAN V
12. GRADING PLAN VI
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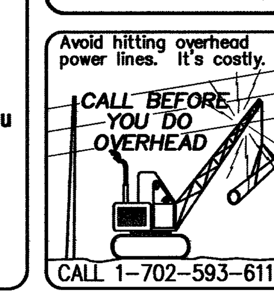
38. STREETLIGHT AND TRAFFIC PLANS II
39. STREETLIGHT AND TRAFFIC PLANS III



BENCHMARK

DESC.		NAVD 88 DATUM	NAVD 88 DATUM
8LV99 13E4	RIVET AND PLATE IN CONCRETE CYLINDER AT THE NORTHWEST CORNER OF HUALAPAI WAY AND FARM ROAD.	2860.79 (FEET)	871.971 (METERS)

BASIS OF BEARINGS

N 88°21'18" E BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 13, T19S, R59E, M.D.M., AS SHOWN BY RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE IN FILE 124 OF SURVEYS AT PAGE 94.

APPROVAL: LVVWD PROJ. NO. 111501

[signature] 3-02-06
LAS VEGAS VALLEY WATER DISTRICT — DATE

CLV DRAWING NO. 10744891-1

ENGINEER - STATE OF NEVADA - JOSHUA L. JOHNSON - CIVIL - No. 15789 - PROFESSIONAL
DATE: 9/8/05

REV	DATE	DESCRIPTION	DATE AGEN. APP.	DATE GCW. APP.
1	4/26/06	REVISED WATER QUANTITIES AND WATER CONSTRUCTION NOTES	5/25/06	5-22-06

DESIGN:
DRAWN:
CHECK:
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 11-14-05
PLOT TIME: 10:52:15

G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2299

I:\Northern Terrace\Unit1\dwg\Imps\NTU1c002.dwg gboorboor

MERITAGE HOMES

NORTHERN TERRACE - UNIT 1

PROJECT DATA SHEET

JOB NO. 819.002.X08

SHEET
C-2
2 OF 39 SHTS

gcw2436.dwg 020912.rn