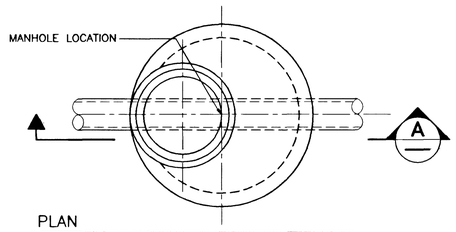
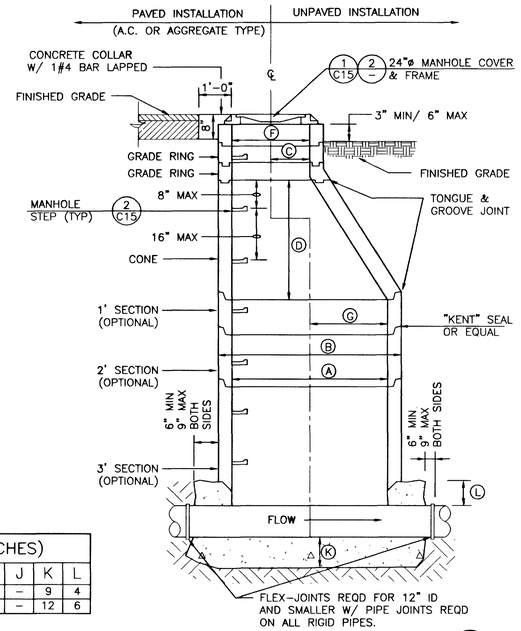


PLAN



SECTION A

TABLE OF DIMENSIONS (INCHES)											
SIZE	A	B	C	D	E	F	G	H	J	K	L
48	48	60	12	36	–	22	24	–	–	9	4
60	60	72	12	30	–	22	36	–	–	12	6

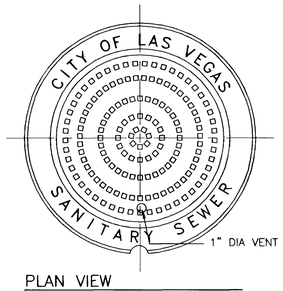
NOTES:

1. PRECAST CONCRETE SECTIONS SHALL CONFORM TO ASTM DESIGNATION C-478 AS LAST AMENDED. ALL CEMENT TO BE TYPE V.
2. MANHOLE BASES MAY BE SQUARE.
3. ALL MANHOLE STEPS SHALL FACE 180° FROM OUTGOING INVERT.
4. ALL BASES SHALL BE 3000# CONCRETE, PER SECTION 4.8.2 OF THE DESIGN AND CONSTRUCTION STANDARDS, FOR WASTEWATER COLLECTION SYSTEMS, SOUTHERN NEVADA, 1997.
5. IN UNSTABLE SOIL CONDITIONS A SECOND PIPE JOINT IS REQUIRED WITHIN 3' OF MANHOLE CONNECTION.
6. ON FIVE FOOT DIAMETER MANHOLES THE REDUCER OR TRANSITION MUST BE PLACED DIRECTLY BENEATH THE CONE.

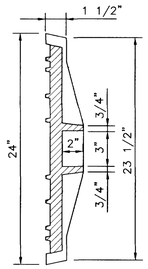
STANDARD ECCENTRIC MANHOLE DETAIL

SCALE: NONE

1 C16 C6

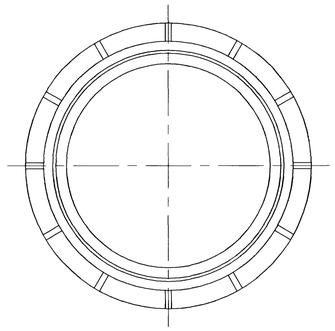


PLAN VIEW

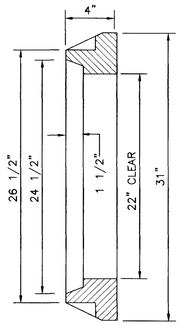


SECTION – TYPICAL

COVER DETAIL



PLAN VIEW



SECTION – TYPICAL

FRAME DETAIL

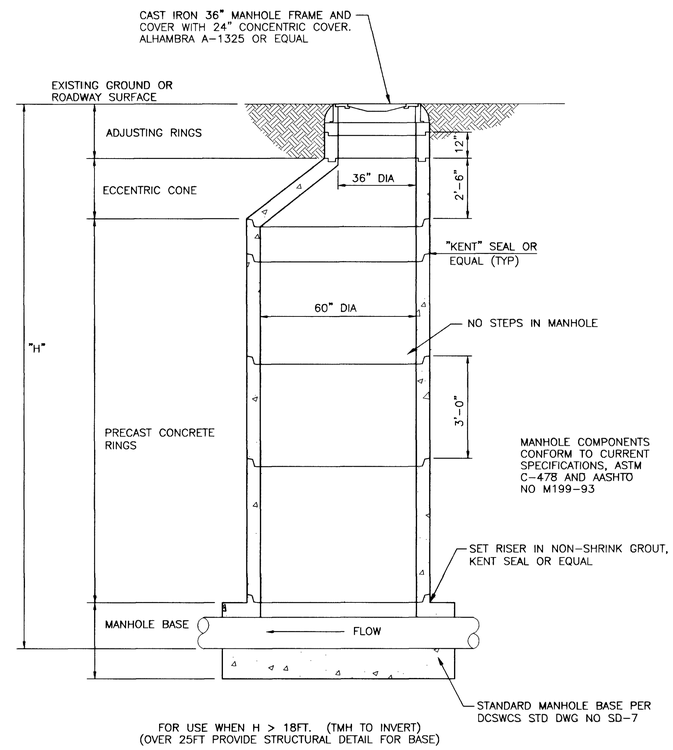
NOTES:

1. FRAME AND COVER TO BE "ALHAMBRA FOUNDRY CO" TYPE A1310 OR EQUAL.
2. CAST IRON SHALL HAVE MINIMUM TENSILE STRENGTH OF 30,000 PSI.
3. FRAME & COVER MACHINED TO FIT.
4. WEIGHT OF FRAME & COVER 330 LBS MINIMUM.
5. COVER WILL DESIGNATE "SANITARY SEWER" AND "CITY OF LAS VEGAS" IN RAISED LETTERS.

SANITARY SEWER 24" DIA COVER AND FRAME DETAIL

SCALE: NONE

2 C16 C6



FOR USE WHEN H > 18FT. (TMH TO INVERT)
(OVER 25FT PROVIDE STRUCTURAL DETAIL FOR BASE)

DEEP MANHOLE DETAIL

SCALE: NONE

3 C16 C6

LAS VEGAS VALLEY WATER DISTRICT

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

VERIFY SCALE
1/2 0 1/2 1
BAR REPRESENTS ONE AND ONE-HALF INCHES ON ORIGINAL

3205 ZONE RESERVOIR EXPANSION

SITE DETAILS VI

SCALE AS SHOWN

XX/XX/XX XX:XX

1046C16.DWG Plot @ XX/XX/XX

DRAWN BY: J. C. LITTLE 07/9/02
CHECKED BY: M. W. MAIZE 07/12/02
RECOMMENDED BY: L. STEVEN ANDERSON DATE
ACCEPTED BY: DESIGN MANAGER DATE
jlittle 09:13:02 06-13-03

PROFESSIONAL ENGINEER - STATE OF NEVADA
HOWARD VANDER WEELE
No. 4534
CIVIL
6-13-03

CONTRACT NUMBER
C1046
DRAWING NUMBER C16
SHEET 22 OF 95

REVISIONS:

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CLV DRAWING #565-388
CLV CIVIL SHEET 22 OF 30

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