



- GENERAL NOTES:**
1. ALL CONCRETE SHALL BE CLASS A OR CLASS AA.
 2. MANHOLES WITH MORE THAN ONE PIPE: THE INFLOW PIPE INVERT ELEVATIONS SHALL BE GREATER THAN OR EQUAL TO 0.1' ABOVE THE OUTFLOW PIPE INVERT ELEVATION.
 3. FOR VALUES OF "H", SEE PLANS. "H" IS THE DIFFERENCE IN ELEVATION BETWEEN THE OUTFLOW PIPE INVERT ELEVATION AND THE TOP OF MANHOLE ELEVATION AT STREET GRADE.
 4. PRECAST CONCRETE PIPE SECTIONS, TAPERED SECTIONS, LIDS, GRADE RINGS, AND STEPS SHALL CONFORM TO AASHTO M 199 (ASTM C-478).
 5. MANHOLE COVER SHALL BEAR ENTITY IDENTIFICATION AND SYSTEM FUNCTION (IF APPLICABLE)
 6. SHAPE FLOWLINE IN MANHOLE TO OUTLET PIPE, AND PROVIDE A 10:1 MINIMUM SLOPE FROM ALL DIRECTIONS TOWARD FLOW LINE.

NDOT STORM DRAIN TYPE IV MANHOLE DETAIL
SCALE: N.T.S.

96108
85392 89250 93754

APPROVAL:
LAS VEGAS VALLEY WATER DISTRICT
DATE: 3-02-06

CLV DRAWING NO. 107Y4891-1

NEVADA DEPARTMENT OF TRANSPORTATION
TYPE 4 MANHOLE

Signed Original On File R-4.7.2 (609)
CHIEF HYDRAULICS ENGINEER ADOPTED 10/89 REVISION 5/04

REVISIONS:

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|-----|----------------------|------|
| NO. | DESCRIPTION | DATE |
| 1 | ISSUE DATE: 11-15-05 | |
| 2 | ISSUE DATE: 11-15-05 | |
| 3 | ISSUE DATE: 11-15-05 | |
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MERTAGE HOMES
NORTHERN TERRACE - UNIT 1
MISCELLANEOUS DETAILS I

CLV DRAWING NO. 107Y4891-1
JOB NO. 819.002.X08