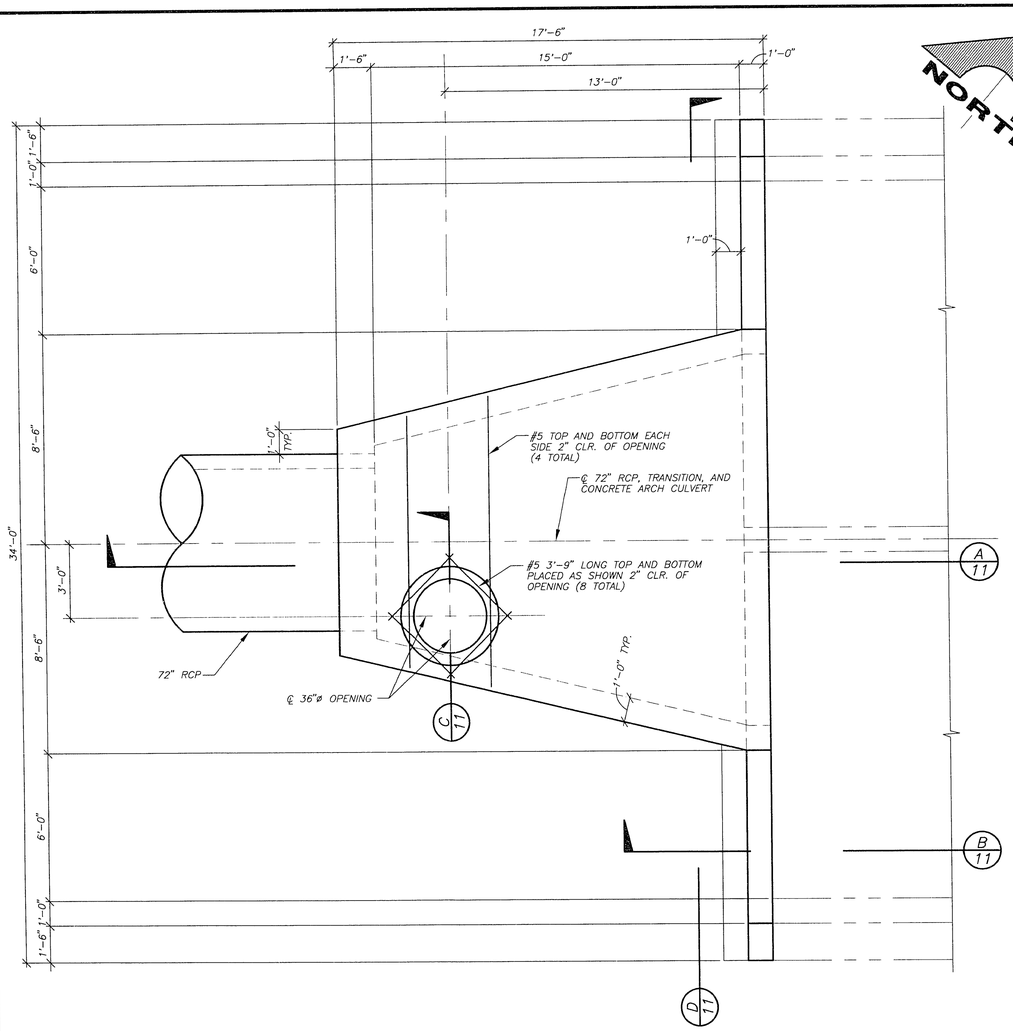
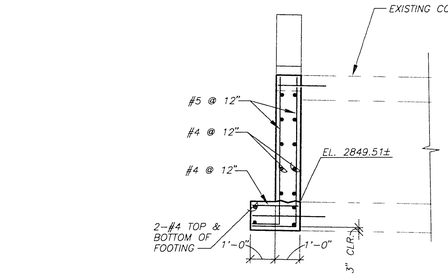
23-2-157



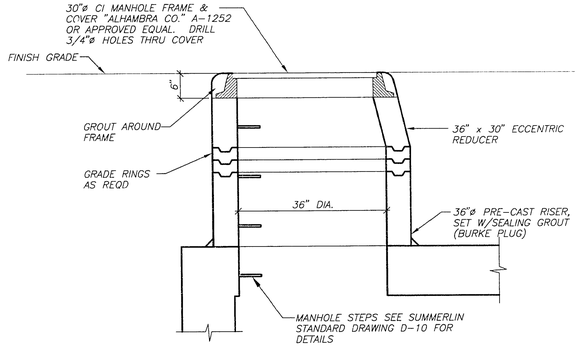
PLAN — 1/11

SCALE: 3/8" = 1'-0"



SECTION — B/11

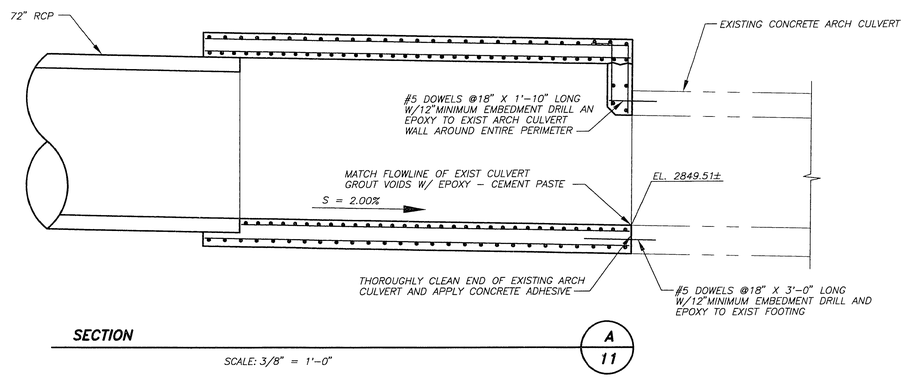
SCALE: 3/8" = 1'-0"



NOTE: TRANSITION REINFORCEMENT NOT SHOWN FOR CLARITY

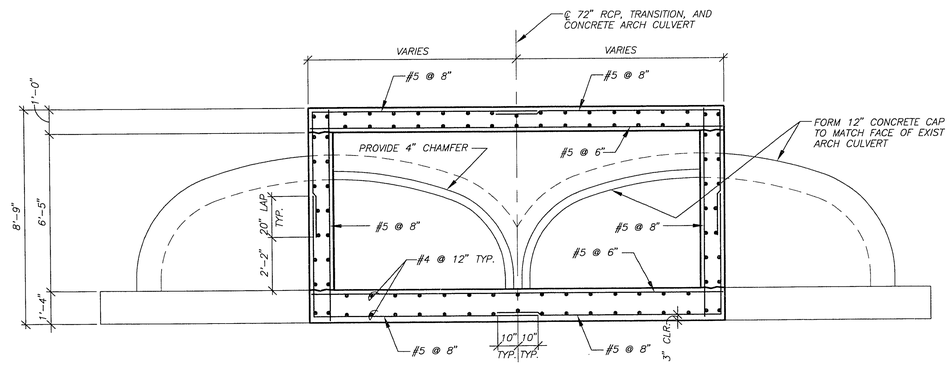
SECTION — C/11

SCALE: 3/4" = 1'-0"



SECTION — A/11

SCALE: 3/8" = 1'-0"



SECTION — D/11

SCALE: 3/8" = 1'-0"

NOTES:

DESIGN SPECIFICATIONS: AASHTO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 1992 INTERIMS THROUGH 1993.

LOADING:
DESIGN LIVE LOAD = HS20-44

EARTH LOAD = 120 LBS/CU. FT VERTICAL, 35 LBS/CU. FT. EQUIVALENT FLUID PRESSURE HORIZONTAL

LOAD FACTORS 1.3D + 2.17(LL + I) + 1.3E, GROUP X, (Bd = 1.3, Be = 1.3)

CONCRETE: ALL CONCRETE SHALL BE CLASS A MODIFIED (MAJOR) WITH AN ULTIMATE COMPRESSIVE STRENGTH f'c=3000psi AT 28 DAYS. ALL CONCRETE SHALL BE MADE USING TYPE V CEMENT. ALL EXPOSED CORNERS SHALL BE BEVELED 3/4" UNLESS OTHERWISE NOTED.

REINFORCING STEEL: ALL REINFORCING STEEL SHALL BE AASHTO M31 (ASTM A615) GRADE 60. DIMENSIONS RELATING TO BAR SPACING ARE CENTER TO CENTER. BENDING DIMENSIONS ARE FROM OUT TO OUT OF BARS. MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED. HOOKS MAY BE ROTATED OR TILTED, AS NECESSARY, FOR CLEARANCE.

FOUNDATIONS: THE BOX IS DESIGNED FOR A NET MAXIMUM ALLOWABLE BEARING PRESSURE OF 3000 PSF.

BEDDING MATERIAL: BEDDING MATERIAL SHALL BE 6" OF CLARK COUNTY TYPE II AGGREGATE. THE BEDDING LAYER SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY AS ESTABLISHED BY ASTM TEST METHOD D-1557.

PLAN DIMENSIONS AND ELEVATIONS: ALL PLAN DIMENSIONS SHOWN ARE MEASURED HORIZONTALLY OR VERTICALLY UNLESS OTHERWISE NOTED.

EXISTING CONDITIONS: CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

C.I.V	DATE
DESCRIPTION	
REV	DATE

RECOMMENDED FOR APPROVAL — ENGINEER — DAVID M. NEVOX — No. 10712 — STATE OF NEVADA — REGISTERED PROFESSIONAL ENGINEER — 11-22-94 — P.E. NO. — DATE

G.C. WALLACE, INC.
Engineering/Architecture
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89102

DEL WEBB COMMUNITIES, INC.
SUN CITY LAS VEGAS
ANASAZI DRIVE - PHASE I
RCP TO ARCH CULVERT TRANSITION STRUCTURE

SHEET 11 OF 12 SHEETS

JOB NO. 701.218

PLOTTED: 11/18/94 5:00 pm DRAWING: C:\DRAWINGS\DR\ANA\ANA-11 BY: DA

107-V2321