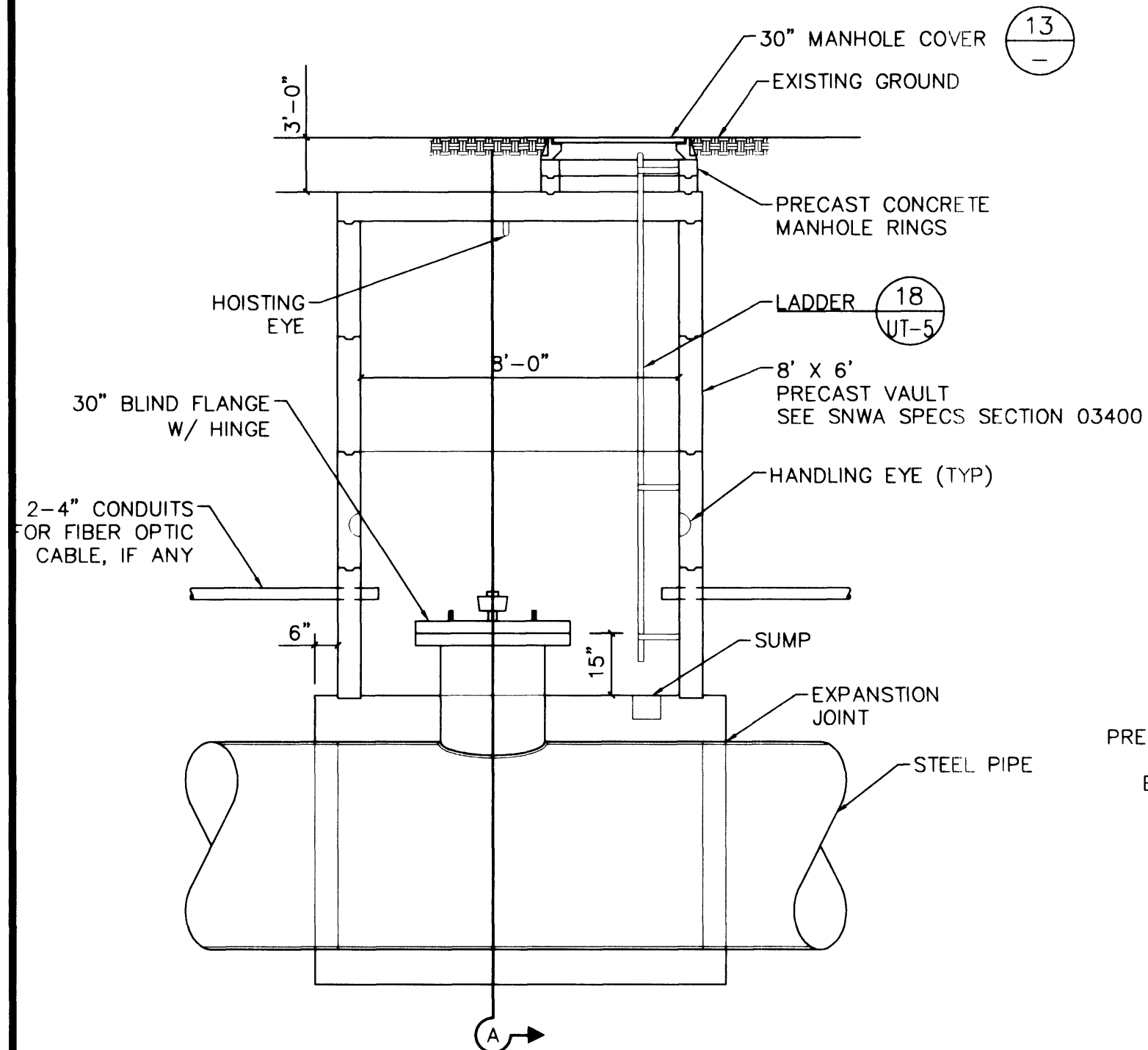
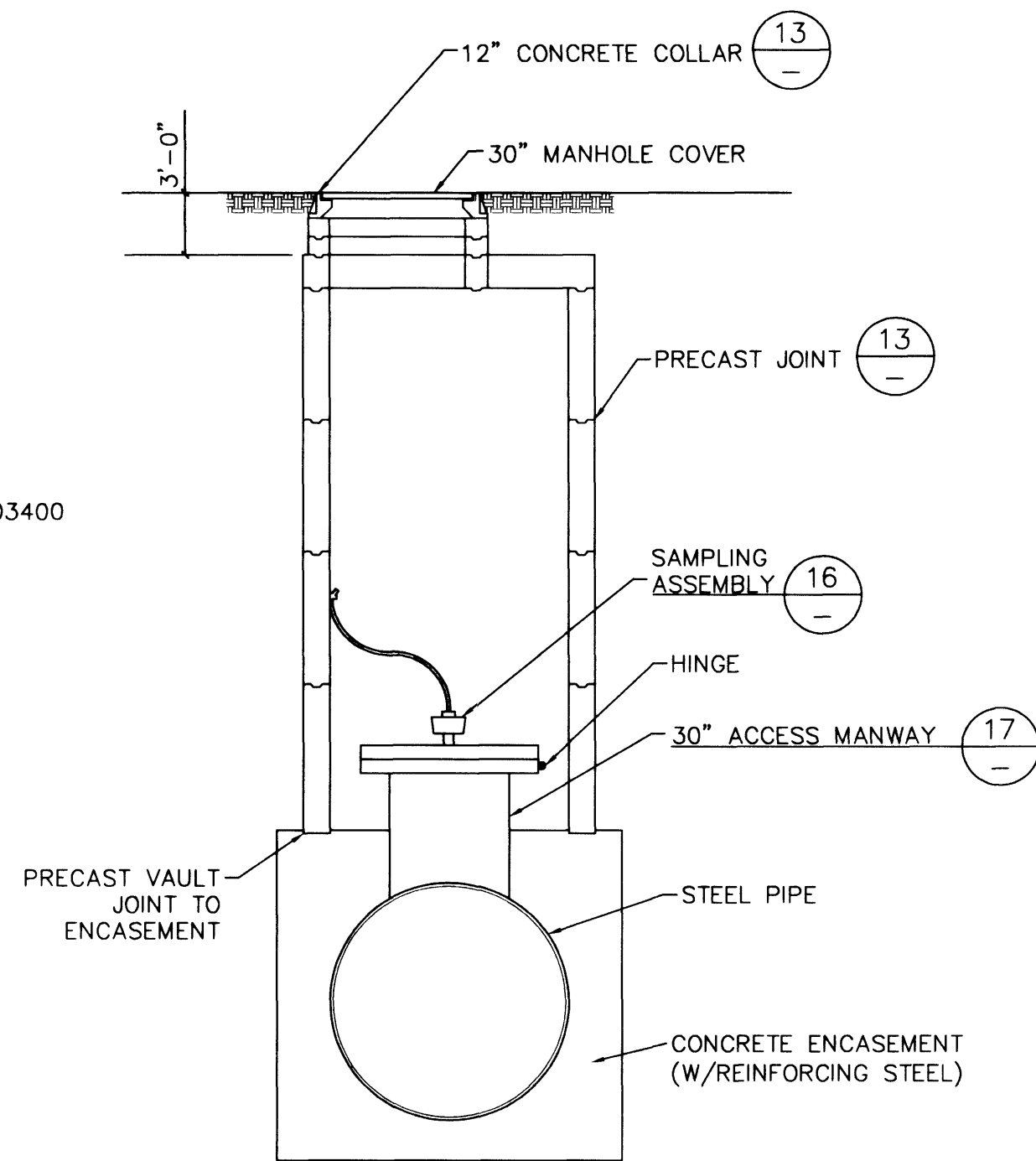
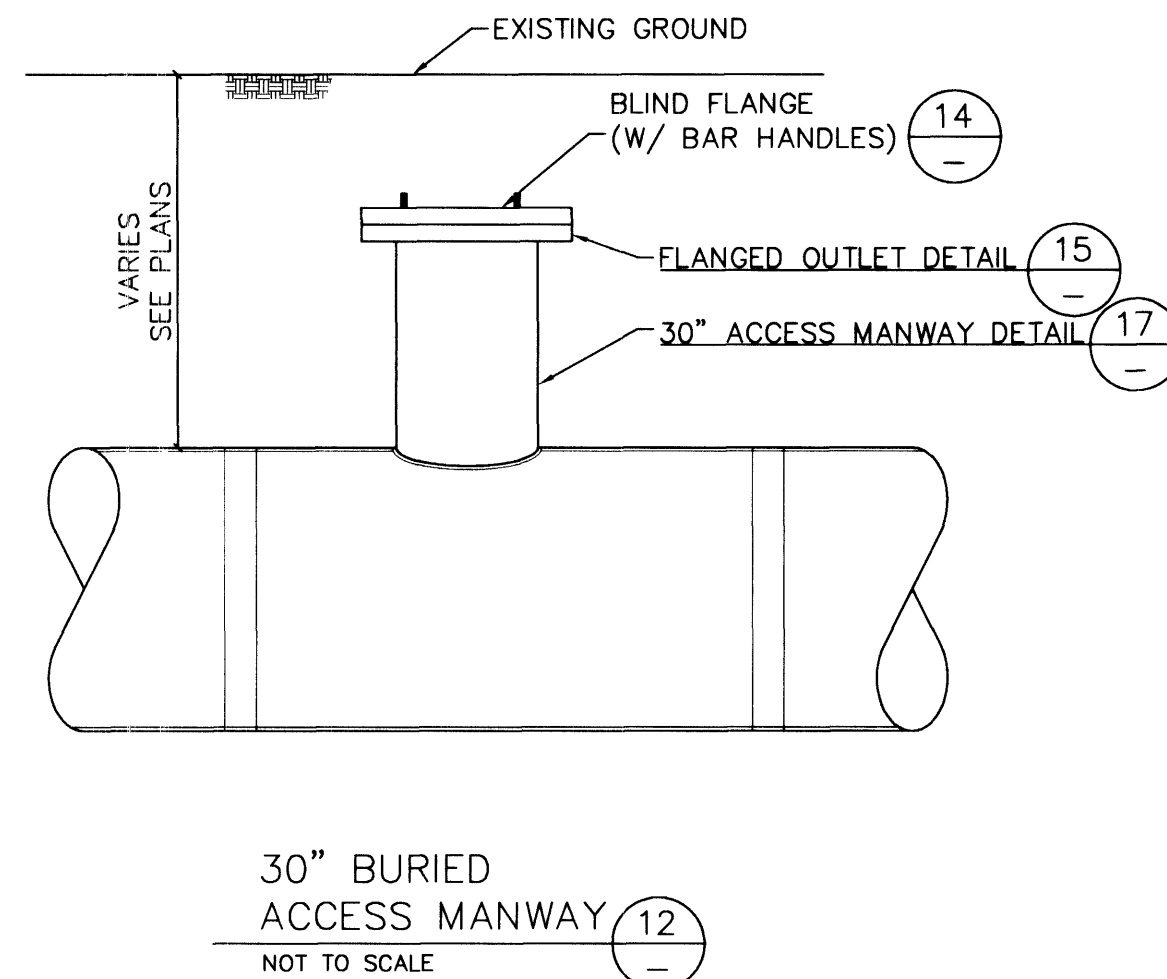




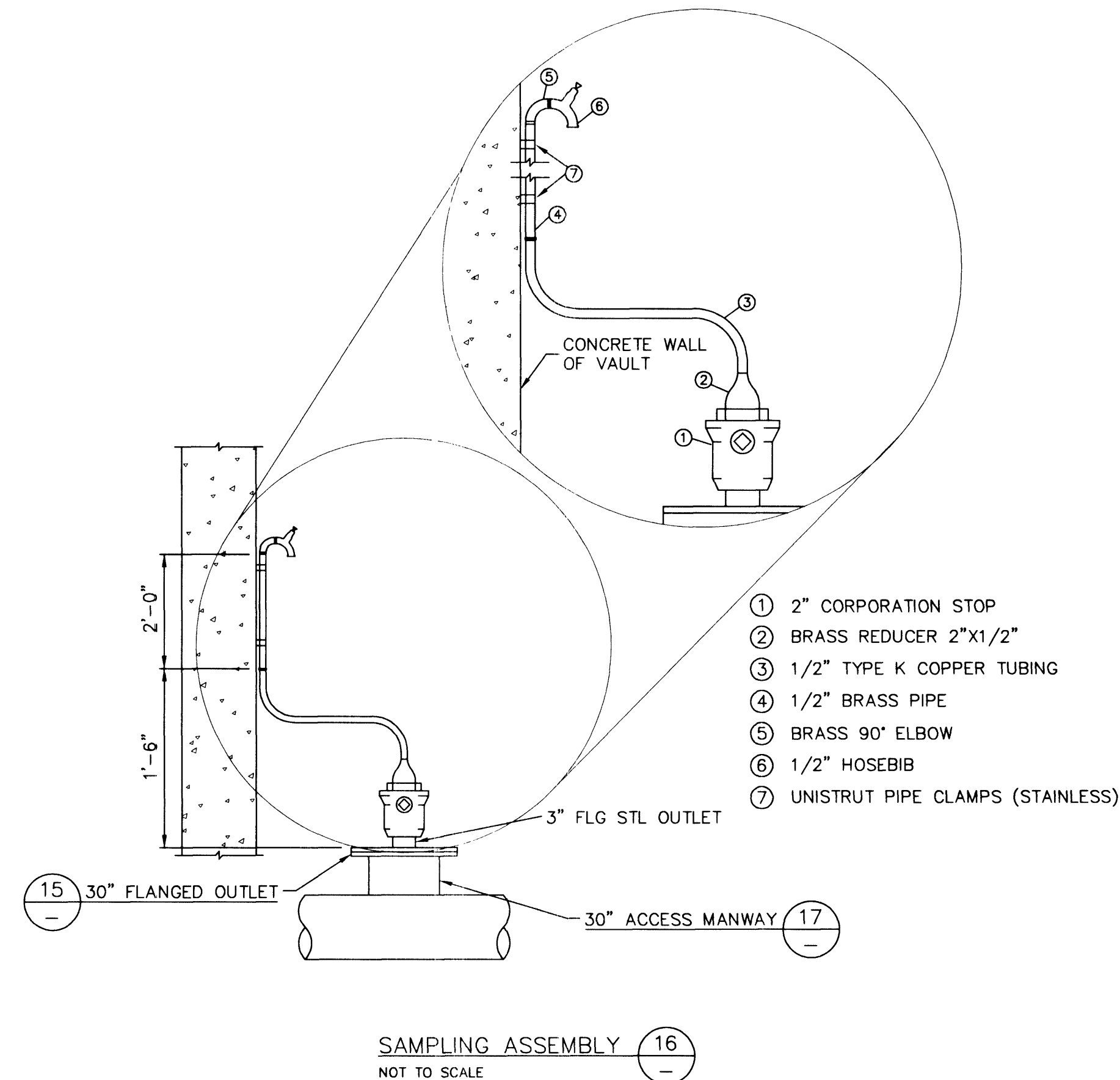
8' X 6' ACCESS
MANWAY VAULT (11)
NOT TO SCALE



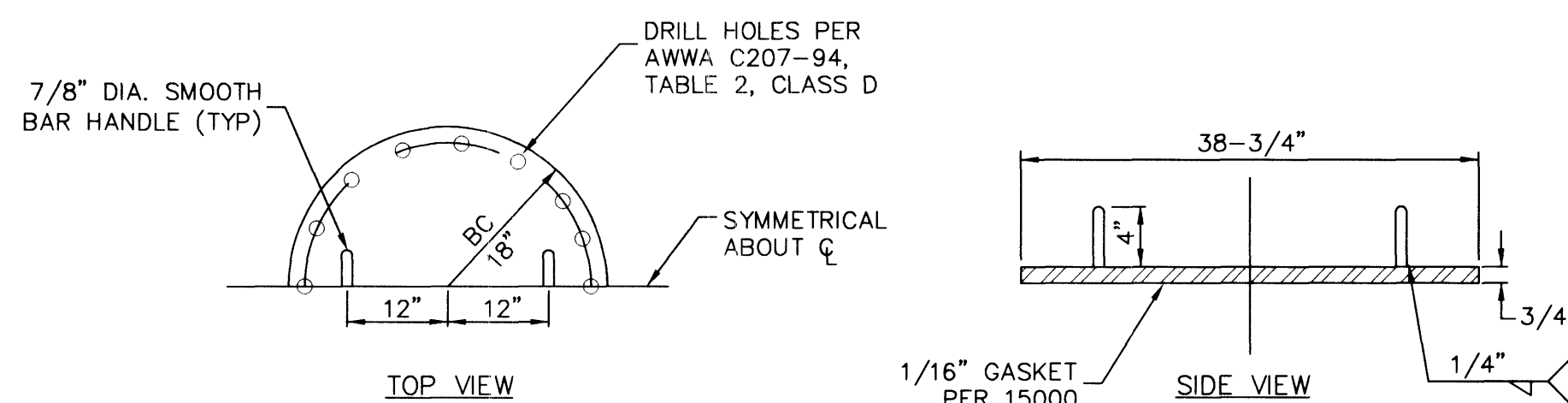
8' X 6' ACCESS
SECTION (A)
NOT TO SCALE



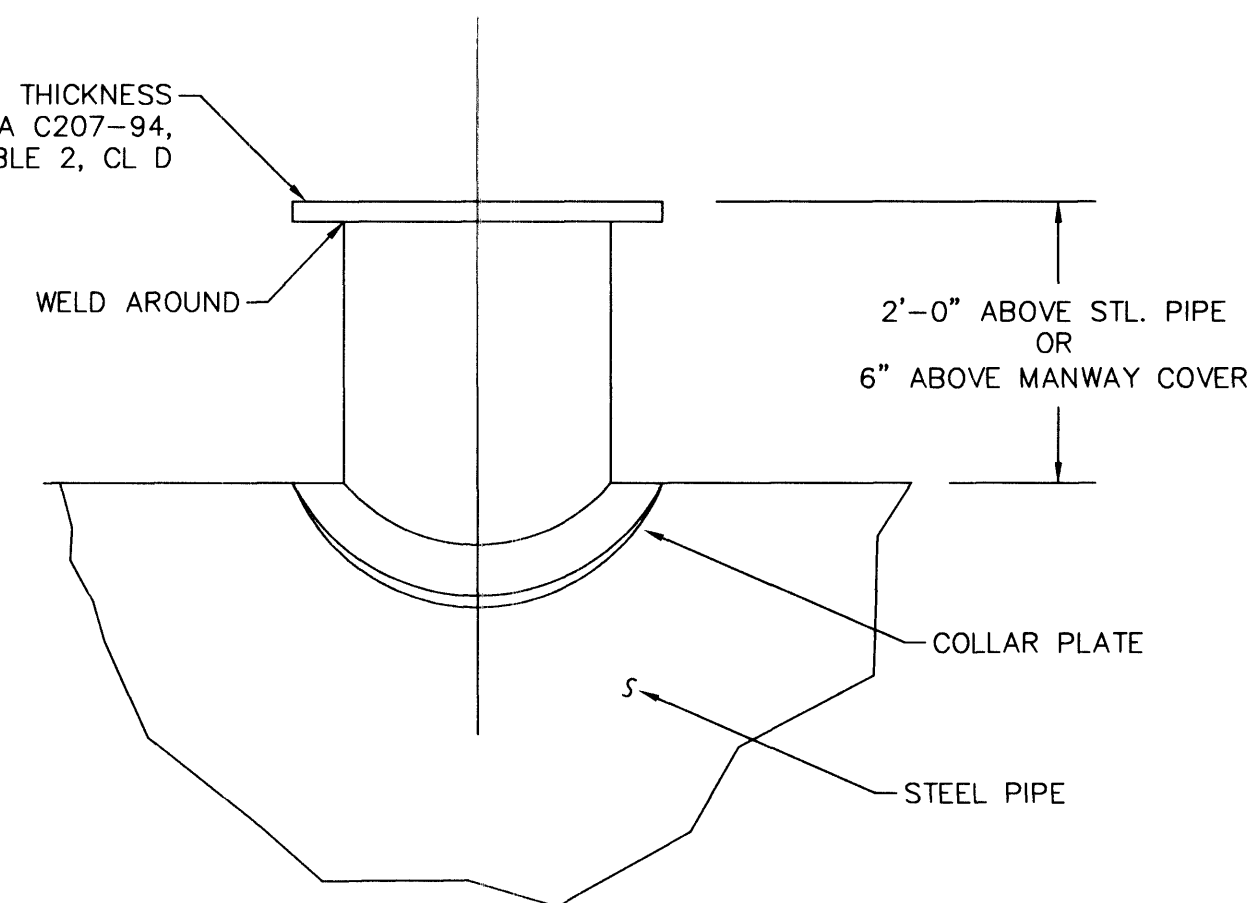
30" BURIED
ACCESS MANWAY (12)
NOT TO SCALE



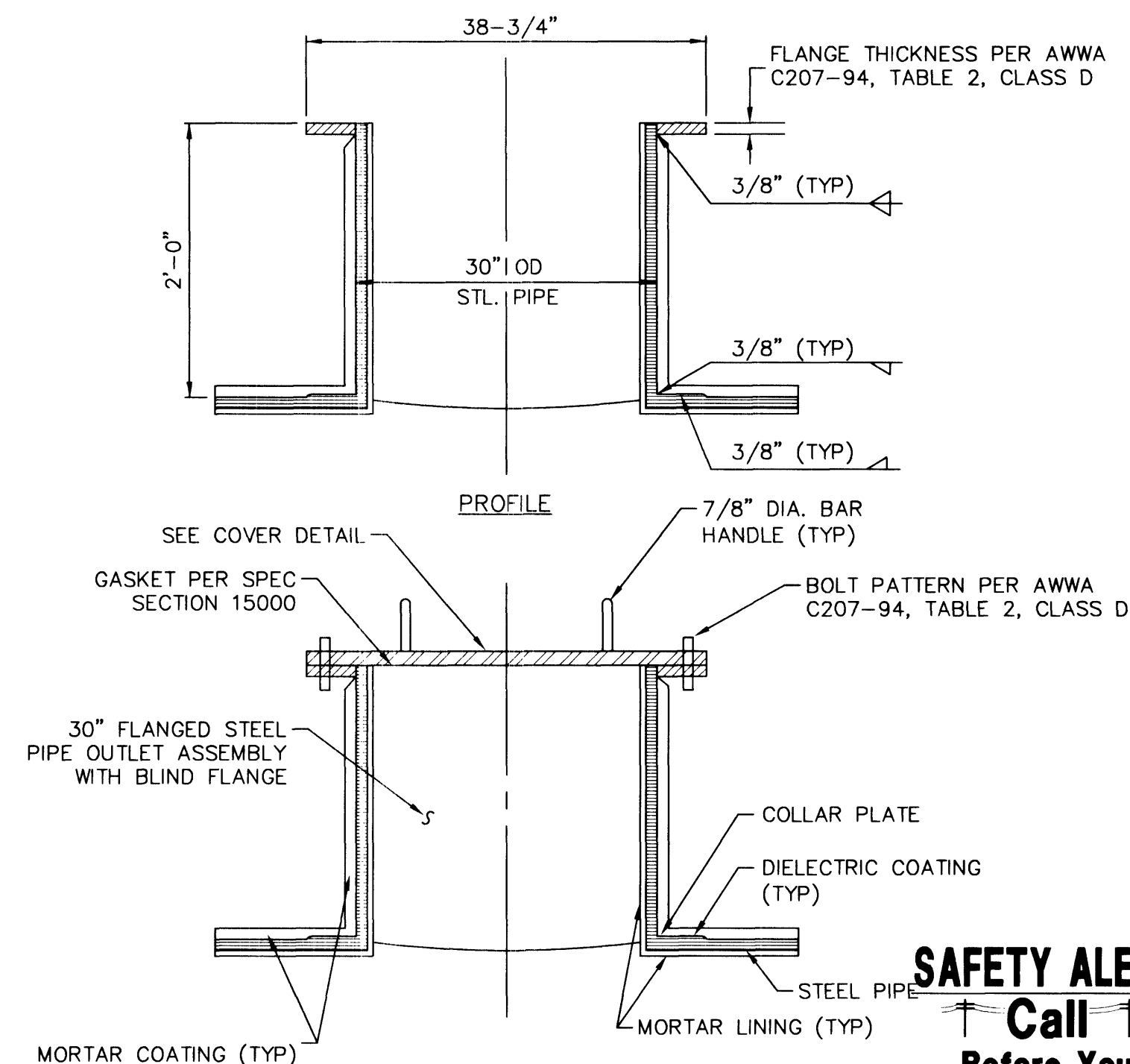
SAMPLING ASSEMBLY (16)
NOT TO SCALE



COVER DETAIL (14)
NOT TO SCALE



FLANGED OUTLET DETAIL (15)
NOT TO SCALE

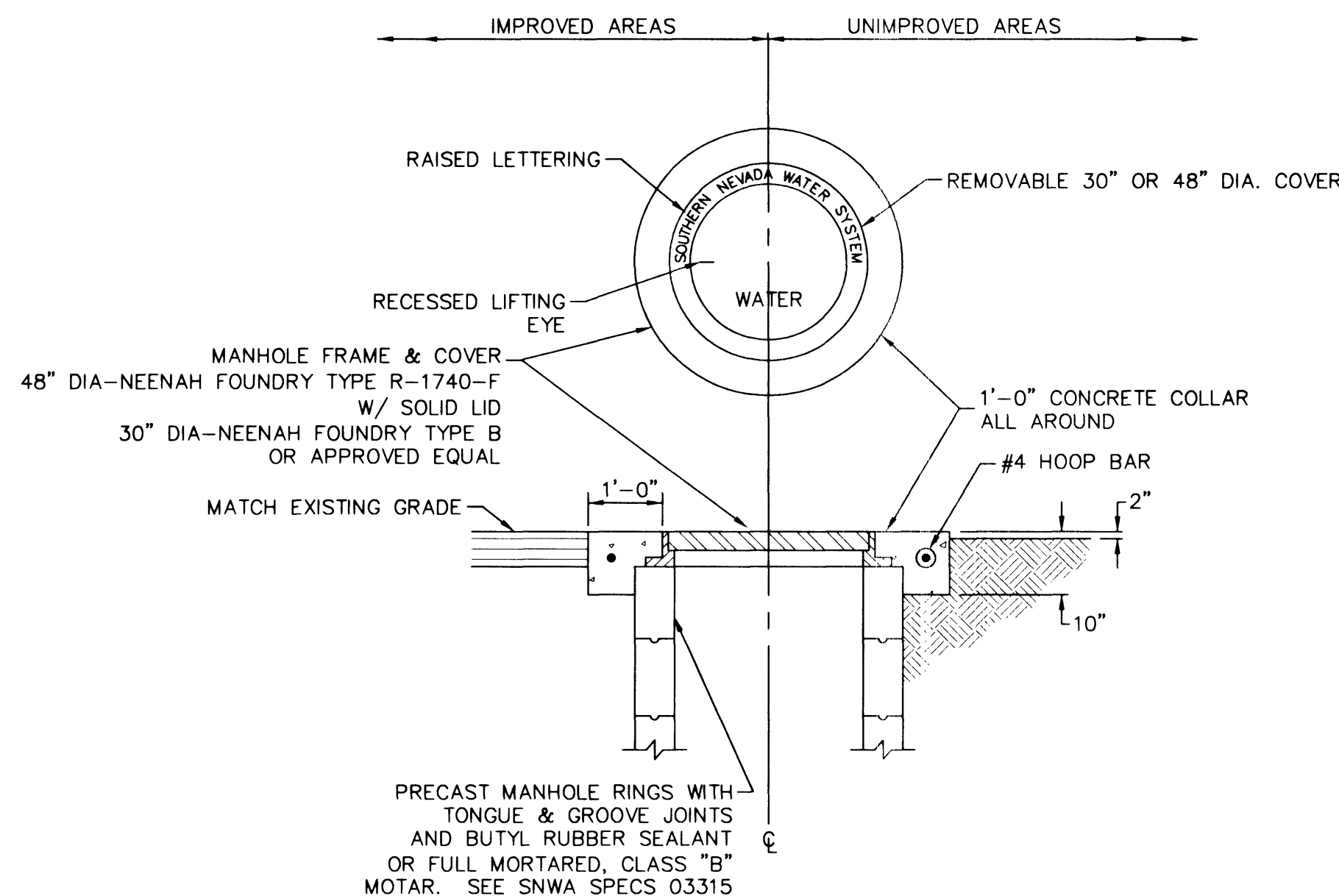


30" ACCESS MANWAY DETAIL (17)
NOT TO SCALE

Contractor shall field locate and protect all SNWA/SNWS appurtenances including, but not limited to AV/AR, access manways and cathodic protection systems. All above ground structures and at grade structures must be adjusted to new grade at contractor's expense. Cathodic protection test stations, rectifiers and AV/AR's must be relocated to the sidewalk per SNWA standards and at the contractor's expense. Contractor to NOTIFY SOUTHERN NEVADA WATER AUTHORITY, DEVELOPMENT PLAN REVIEW, at (702) 862-3444 at least 48 hours PRIOR to construction activity.

Sharon L. Kuebler 6/6/02
Southern Nevada Water Authority Date

SNWA approval is valid for one (1) year from the signature date. If construction within the easement or restricted pipe safety zone is not complete, plans must be resubmitted to SNWA for approval.



1. RING AND COVER SHOULD BE DESIGNED FOR AASHTO HS-20 LOADING.
2. FRAME AND COVER SHALL BE MACHINED TO FIT.

30" & 48" MANHOLE RING AND COVER DETAIL (13)
NOT TO SCALE

SAFETY ALERT
Call Before You Overhead
1-702-593-6111

Call before you Dig
1-800-227-2600

DATE	REVISIONS	W.A. #	DESIGN BY	JA
SCALE (H):	NO SCALE	SCALE (V):	NO SCALE	DATE
F.L.D. BK. #	5/31/02			

Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants

DEPARTMENT OF PUBLIC WORKS
PROJECT: VEGAS DR./OWENS AVE. RANCHO DR. TO INTERSTATE 15
SHEET: WATERLINE RELOCATION DETAIL SHEET 3

PROFESSIONAL ENGINEER
BEN R. SPRAGUE
No. 8349
Exp. 6/30/03
CIVIL

DRAWING NO. 70
UT-4
110