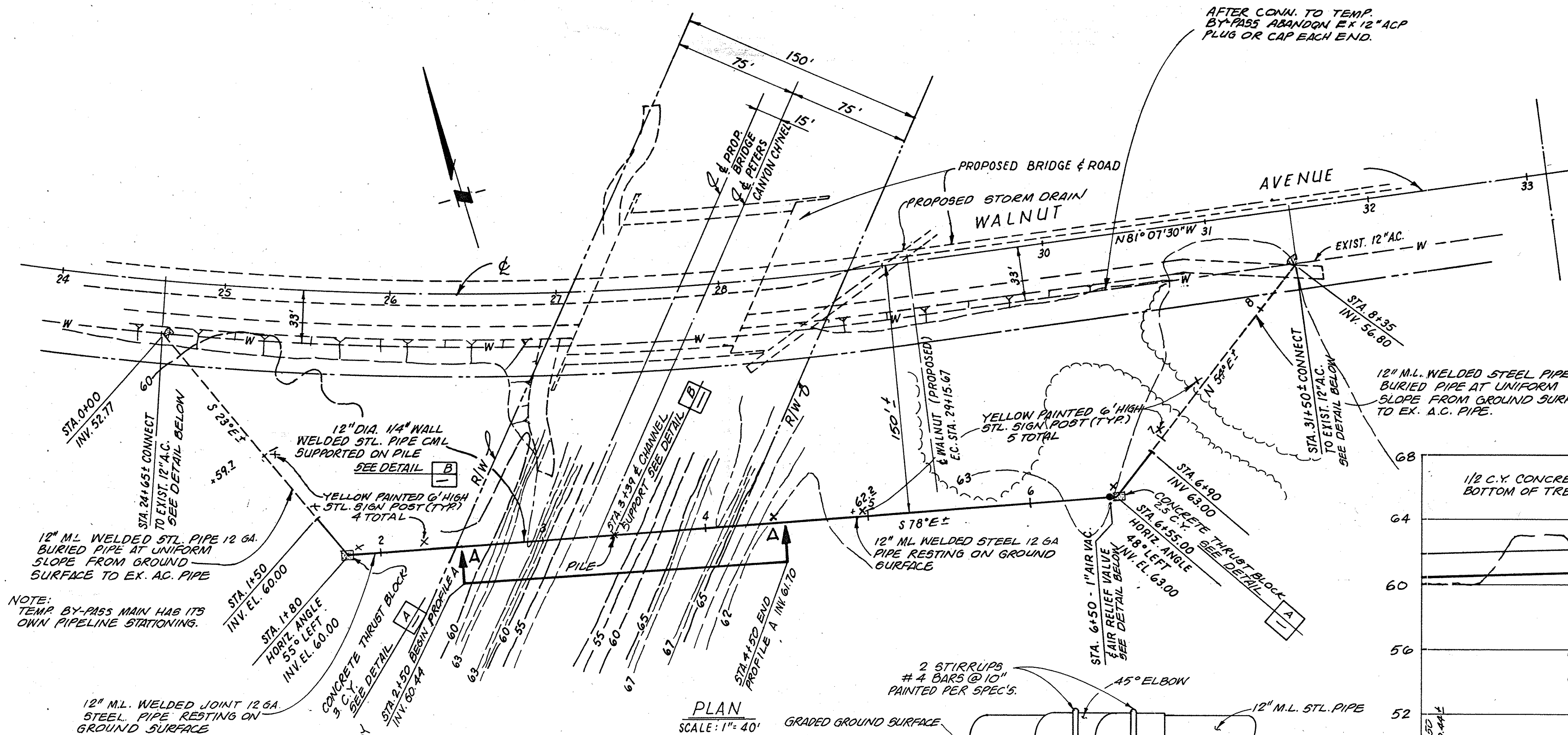


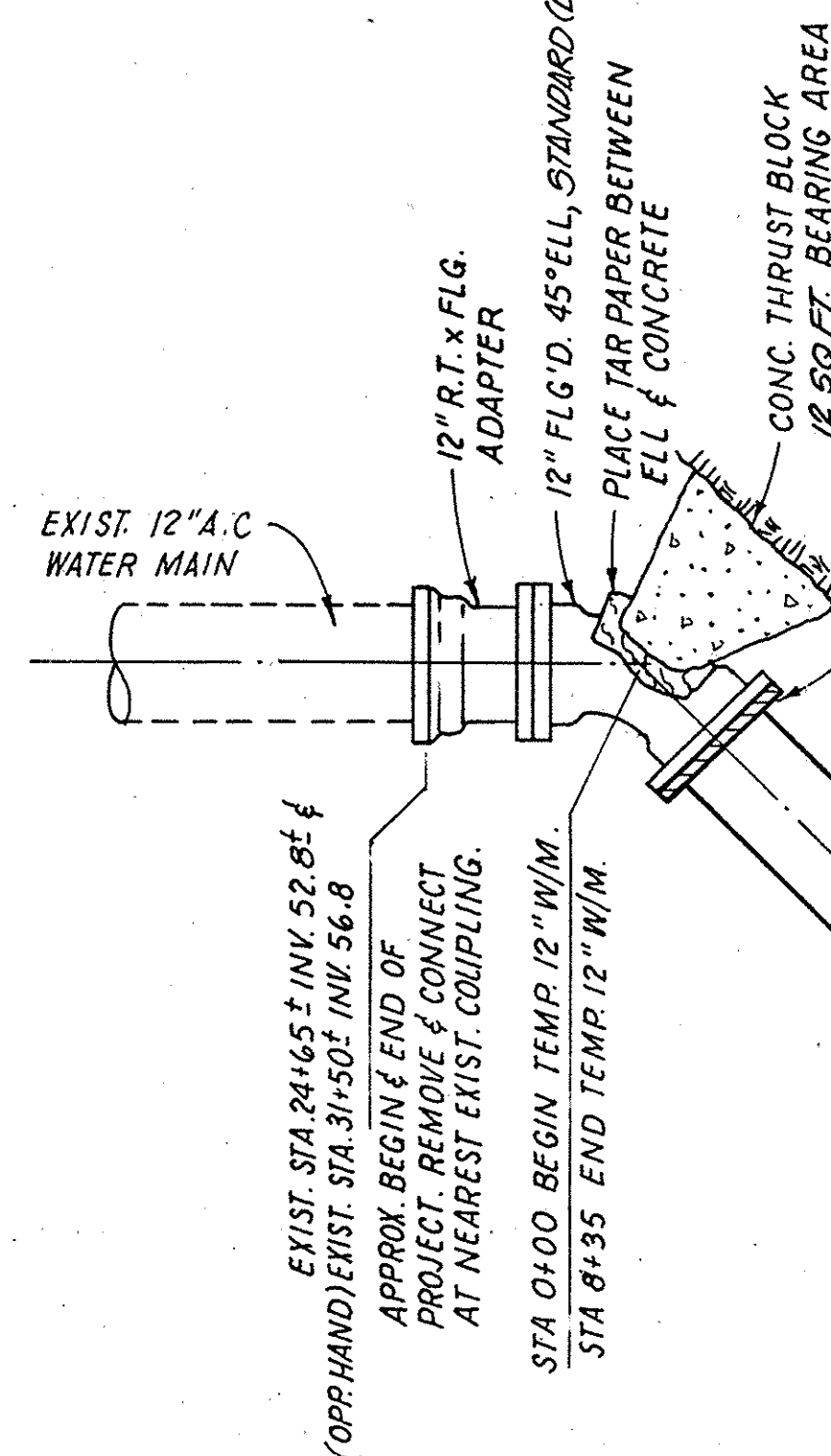


PLAN
SCALE: 1" = 40'

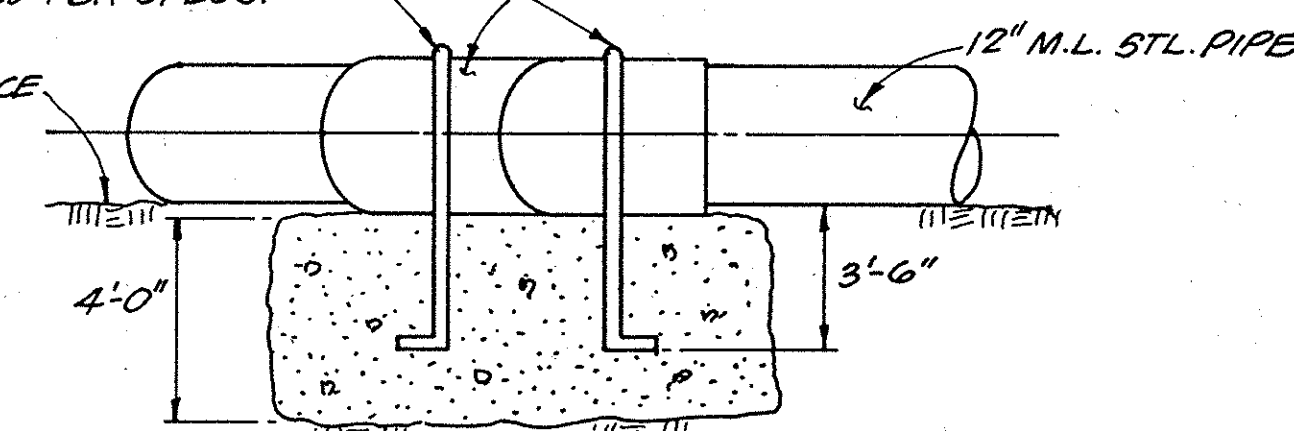
TEMPORARY BY-PASS MAIN

- NOTES:
1. PIPE MATERIAL MAY BE SUBSTITUTED BY CONTRACTOR WITH THE APPROVAL OF THE ENGINEER, EXCEPT BETWEEN STA 2+40 & 4+60. APPROPRIATE CHANGES SHALL BE MADE FOR THE TIE-IN CONNECTIONS.
 2. AFTER PERMANENT WATER MAIN IN BRIDGE GIRDER IS IN SERVICE THE TEMPORARY BY-PASS MAIN PIPE PILE SUPPORTS SHALL BE REMOVED AT CONTRACTOR'S EXPENSE.
 3. PIPE LOCATION IS PROPOSED TO BE ABOVE GROUND WHERE LINE IS DRAIN SOLID.
 4. THE TEMP BY-PASS MAIN SHALL BE TESTED TO OPERATING (100 PSI) PRESSURE BEFORE CONNECTION TO EXISTING.
 5. CONTRACTOR SHALL MAINTAIN & IF NEEDED REPAIR THE TEMPORARY BY-PASS MAIN DURING ITS OPERATION.

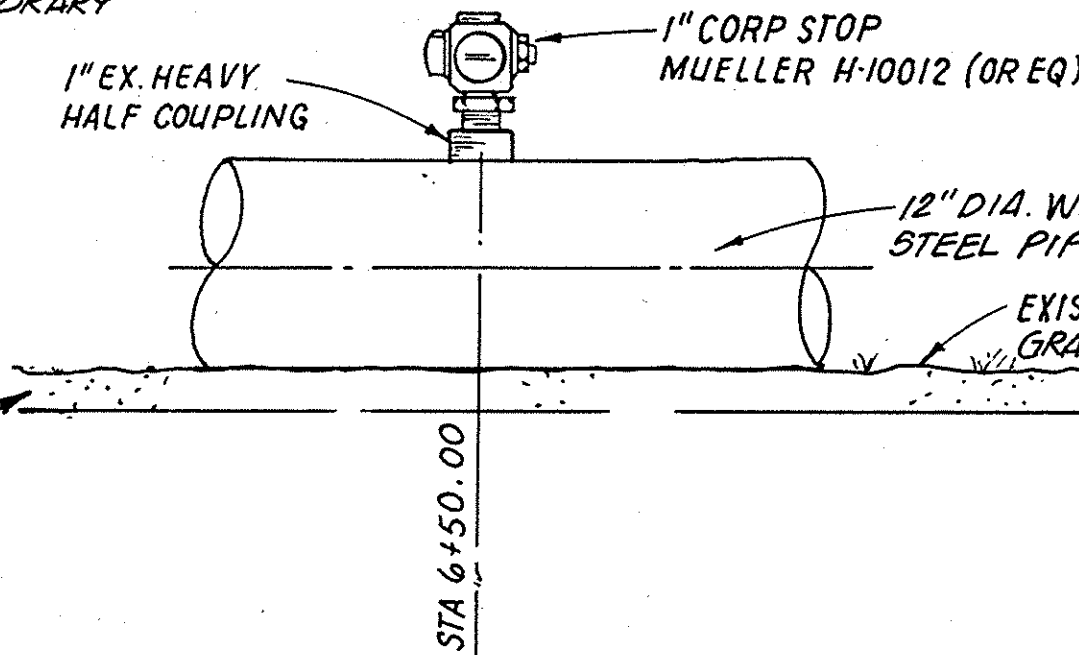
NOTE:
CONTRACTOR SHALL PROVIDE TEMPORARY BULKHEADS FOR TESTING & DISINFECTING PRIOR TO MAKING CONNECTIONS AT BEGINNING & END OF PROJECT.



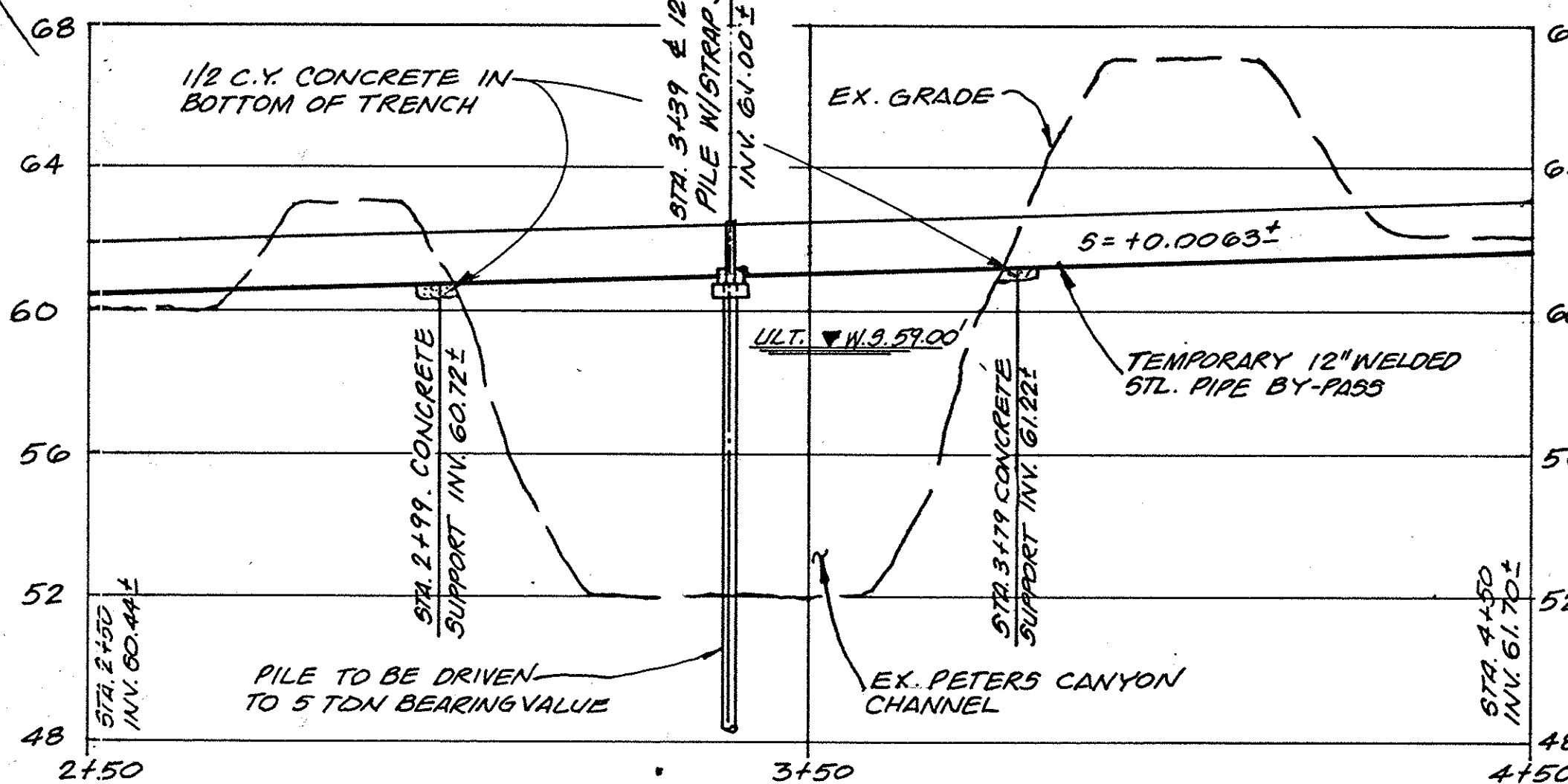
TIE-IN CONNECTION DETAIL
NO SCALE



GRAVITY THRUST BLOCK FOR
ELL ON GROUND SURFACE
NO SCALE

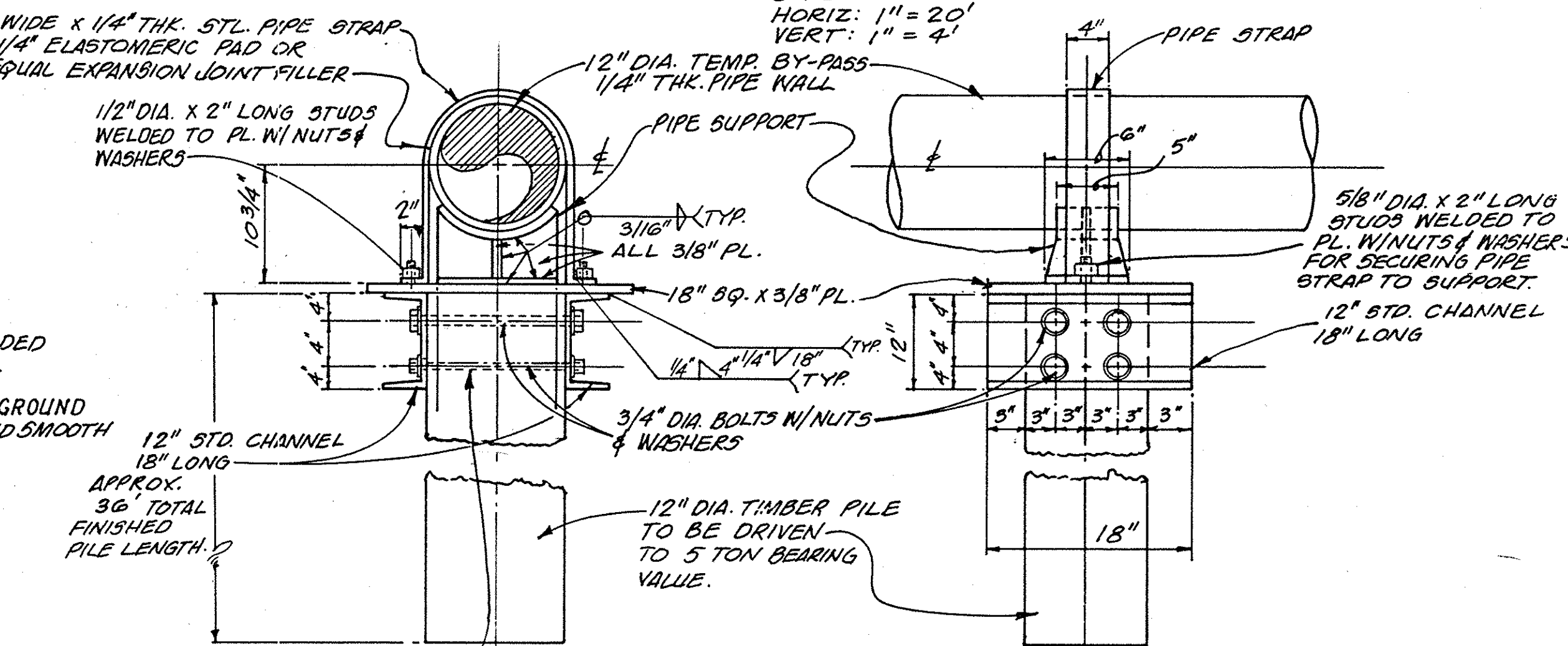


AIR VAC & AIR RELIEF DETAIL
NO SCALE



PROFILE "A-A"

SCALE:
HORIZ: 1" = 20'
VERT: 1" = 4'



TIMBER PILE
AND PIPE SUPPORT DETAIL
NO SCALE

NOTE:
CONTRACTOR MAY USE ALTERNATE MEANS OF SUPPORTING WATER MAIN ACROSS CHANNEL. DESIGN FOR SUCH SUPPORT SHALL BE PREPARED BY A REGISTERED STRUCTURAL ENGINEER AND SHALL BE APPROVED BY THE DISTRICT'S ENGINEER.

"AS BUILT"

7				APPROVED	PLANS PREPARED BY:	PROJECT NO.
6				DATE	JAMES M. MONTGOMERY	CIP 808-42
5				DATE	CONSULTING ENGINEERS, INC.	
4				IRVINE RANCH WATER DISTRICT	17802 SKYPARK CIR. SUITE 201, IRVINE, CA.	
3				DRAWN BY: J.K./TH	SUBMITTED:	SHEET W-2
2				DATE	7-19-79	
1				DESIGNED BY: D.C./GS	PROJECT ENGINEER	OF 4
NO.	DATE	REVISIONS	CHECKED BY: GS	DATE	RECOMMENDED:	
				2/13/79	DATE	

CITY OF IRVINE
COMMUNITY DEVELOPMENT DEPARTMENT