

LANDAY ENGINEERS, INC.
1706 SEAMIST DRIVE
HOUSTON, TEXAS 77008

Sheet 5 of 6

Design By: C. O. H. Job No.: 85032
Drawn By: R. T. Scale: NONE
Checked By: D. C. L. Date: JULY, 1987

WATER DETAILS

H.C.M.U.D. No. 191

UTILITY EXTENSION TO SOUTHLAND CORP.

REV.	DATE	DESCRIPTION

M.D. Brown
11/19/87

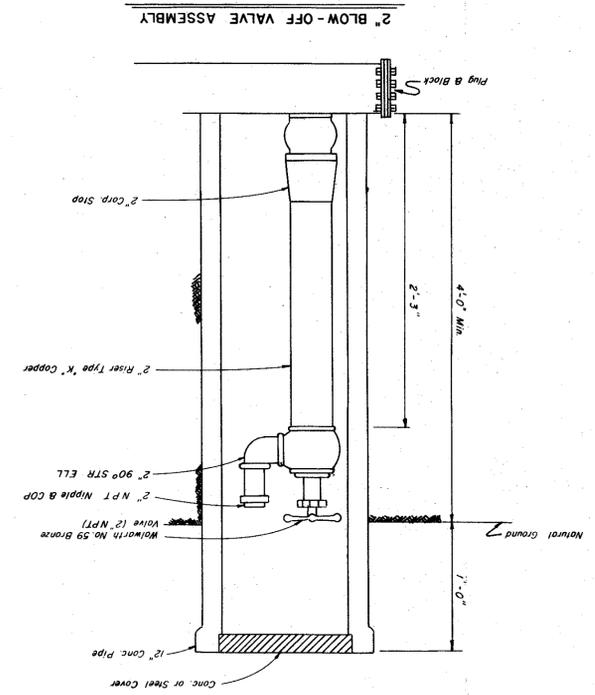
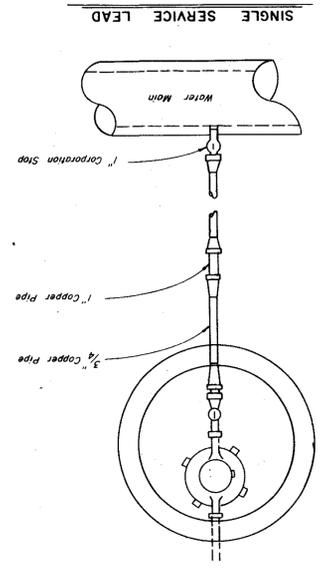
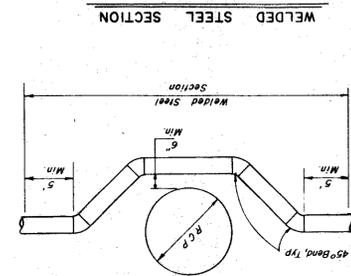
APPROVED FOR CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS:

Water Design: *W.D. Brown 12/9/87*
Water Quality: *W.D. Brown 12/14/87*
Sanitary Sewer: *W.D. Brown 12/14/87*

OTHER DEPT'S

City Planning Dept.

Checkbook 10-16-87 of Mr. Brown



THRUST BLOCK DETAIL

NOTE: Thrust Block of trench face must have a minimum bearing surface of 1 sq. ft. and the least dimension shall be no smaller than 1.5x pipe diameter, but not less than 10 ft.

NOTE: Safe Bearing Load

PIPE SIZE	A	B	C	PLUS 90° BEND	PLUS 45° BEND	PLUS 2 1/2° BEND
12"	4'-0"	4'-0"	4'-0"	2'-6"	2'-6"	1'-6"
8"	2'-0"	2'-0"	2'-0"	1'-6"	1'-6"	1'-0"
4"	1'-0"	1'-0"	1'-0"	1'-3"	1'-3"	1'-0"

