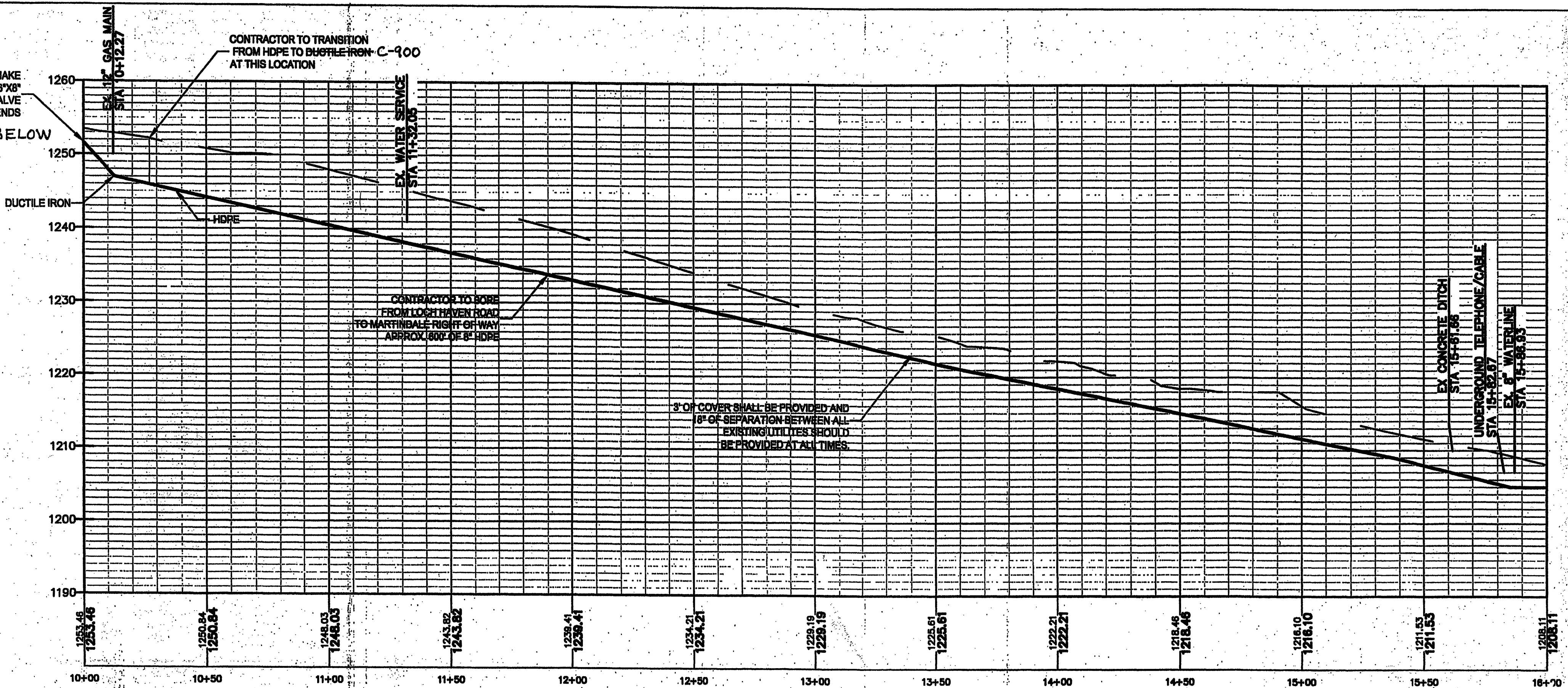


CONTRACTOR TO MAKE
NEW TAP USING 16"X8"
TAPPING SLEEVE AND VALVE
AND 2-45 DEGREE HORZ. BENDS
SEE INSET BELOW



BELLE HAVEN WATER PROFILE
SCALE
VERTICAL: 1" = 10'
HORIZONTAL: 1" = 30'

FH Tee to FH 19.5'
FH Tee to ARV 214.5'
FH Tee to 45° bend 379.0'
FH Tee to sleeve 527.5'
FH Tee to tie-in 649.0'
on existing line
off Buckland Mill Rd.
(open-cut, c900 portion
of project)
Valve on Buckland
Mill Rd. to sleeve 157.5'

From 8" Gate Valve to center 45° - 2'0"
Center 45° to center 2" ball corp - 2'0"
Center 2" ball corp to center 22 1/2" - 2'2"
Center 22 1/2" to center 45° (on lower end) - 5'2"
Lower 45° is connected directly to HDPE
Both 45° bends have Kicker blocks

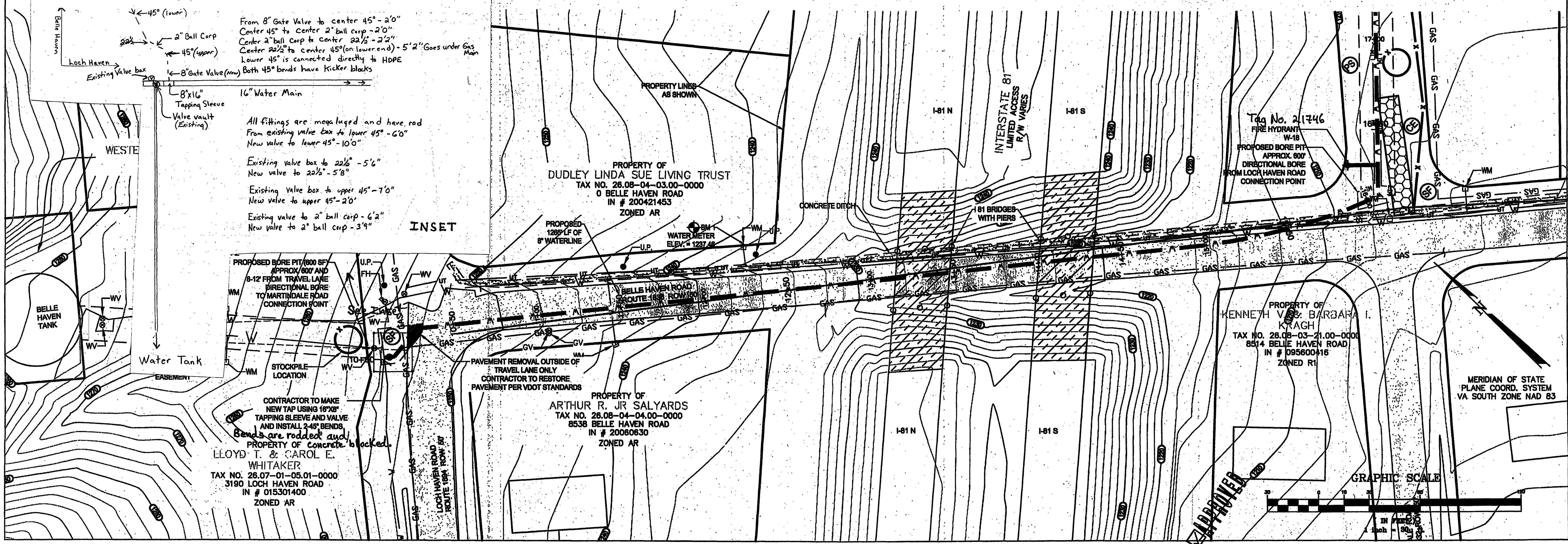
16" Water Main
All fittings are megaled and have rod
From existing valve box to lower 45° - 6'0"
New valve to lower 45° - 10'0"

Existing valve box to 22 1/2" - 5'6"
New valve to 22 1/2" - 5'8"

Existing valve box to upper 45° - 7'0"
New valve to upper 45° - 2'0"

Existing valve to 2" ball corp - 6'2"
New valve to 2" ball corp - 3'9"

INSET



WESTERN VIRGINIA

WATER AUTHORITY

ENGINEERING SERVICES
601 S JEFFERSON ST, SUITE 300
ROANOKE, VA 24011
540-853-5641 or 540-853-5770

BELLE HAVEN WATERLINE

CIVIL/SITE WORK PLAN

Rev	Description	Date	By
1	DESIGNED: AAS		
2	DRAWN: AAS		
3	CHECKED: RRB		
4	APPROVED:		
5	DATE: 4/23/10		
6	PROJECT:		

Sheet 2 of 5