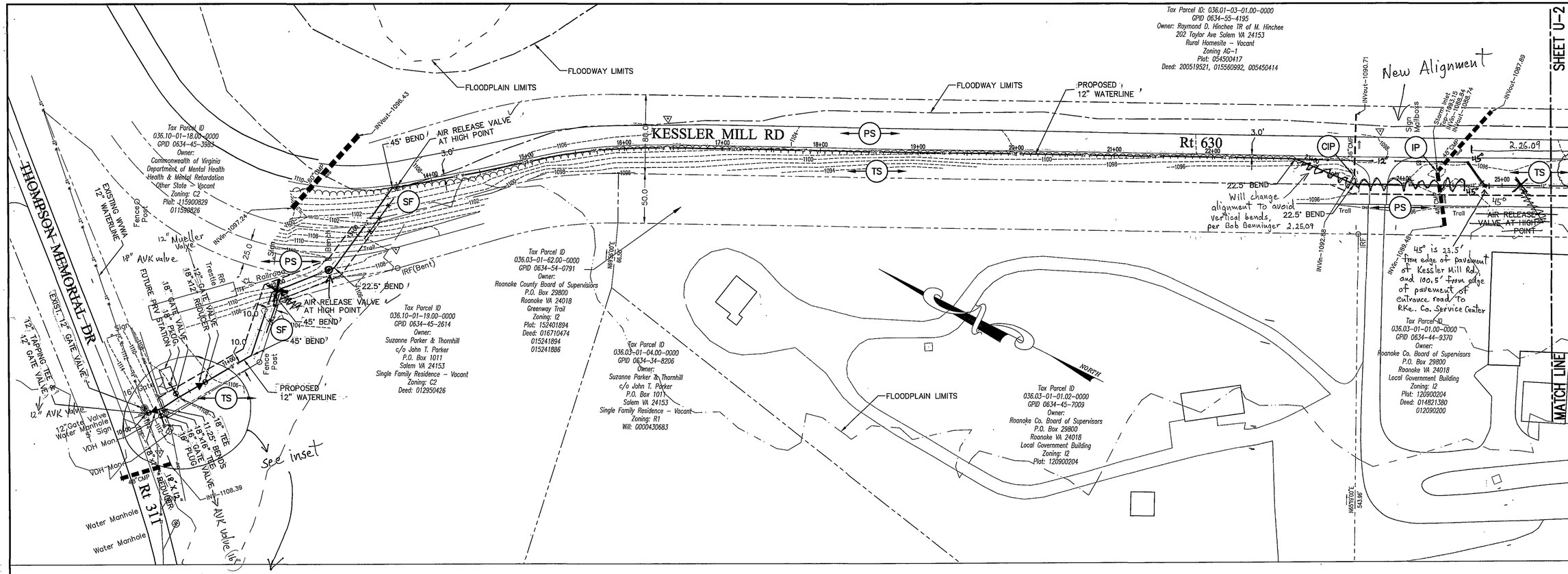

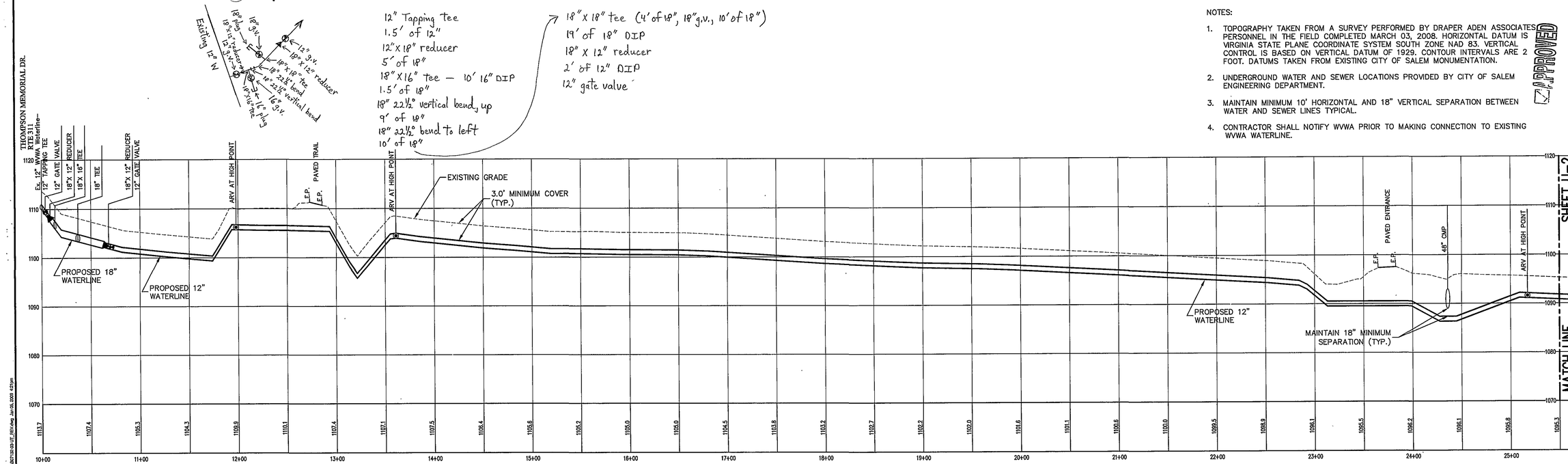

12" Tapping tee
1.5' of 12"
12"x18" reducer
5' of 18"
18"X16" tee - 10' 16" DIP
1.5' of 18"
18" 22½° vertical bend, up
9' of 18"
18" 22½° bend to left
10' of 18"

18"x18" tee (4' of 18", 18" g.v., 10' of 18")
19' of 18" DIP
18" X 12" reducer
2' of 12" DIP
12" gate valve

NOTES:

1. TOPOGRAPHY TAKEN FROM A SURVEY PERFORMED BY DRAPER ADEN ASSOCIATES PERSONNEL IN THE FIELD COMPLETED MARCH 03, 2008. HORIZONTAL DATUM IS VIRGINIA STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD 83. VERTICAL CONTROL IS BASED ON VERTICAL DATUM OF 1929. CONTOUR INTERVALS ARE 2 FOOT. DATUMS TAKEN FROM EXISTING CITY OF SALEM MONUMENTATION.
2. UNDERGROUND WATER AND SEWER LOCATIONS PROVIDED BY CITY OF SALEM ENGINEERING DEPARTMENT.
3. MAINTAIN MINIMUM 10' HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN WATER AND SEWER LINES TYPICAL.
4. CONTRACTOR SHALL NOTIFY WVWA PRIOR TO MAKING CONNECTION TO EXISTING WVWA WATERLINE.

APPROVED

COMMONWEALTH OF VIRGINIA
RANDALL M. HANCOCK
Lic. No. 14541
1/6/09
PROFESSIONAL ENGINEER

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Charlottesville, VA
Hampton Roads, VA

WATERLINE PLAN AND PROFILE
PENGUIN LANE PRESSURE ZONE IMPROVEMENTS
CITY OF SALEM
CITY OF SALEM, VIRGINIA

REVISIONS
07/31/08
PER ROANOKE COUNTY DCD

DESIGNED BY:	RMH
DRAWN BY:	DLD
CHECKED BY:	RMH
SCALE:	1" = 50'
DATE:	06/12/08
PROJECT NUMBER:	B07132-03

U-1

As-Built 6.18.09 K. Winslow