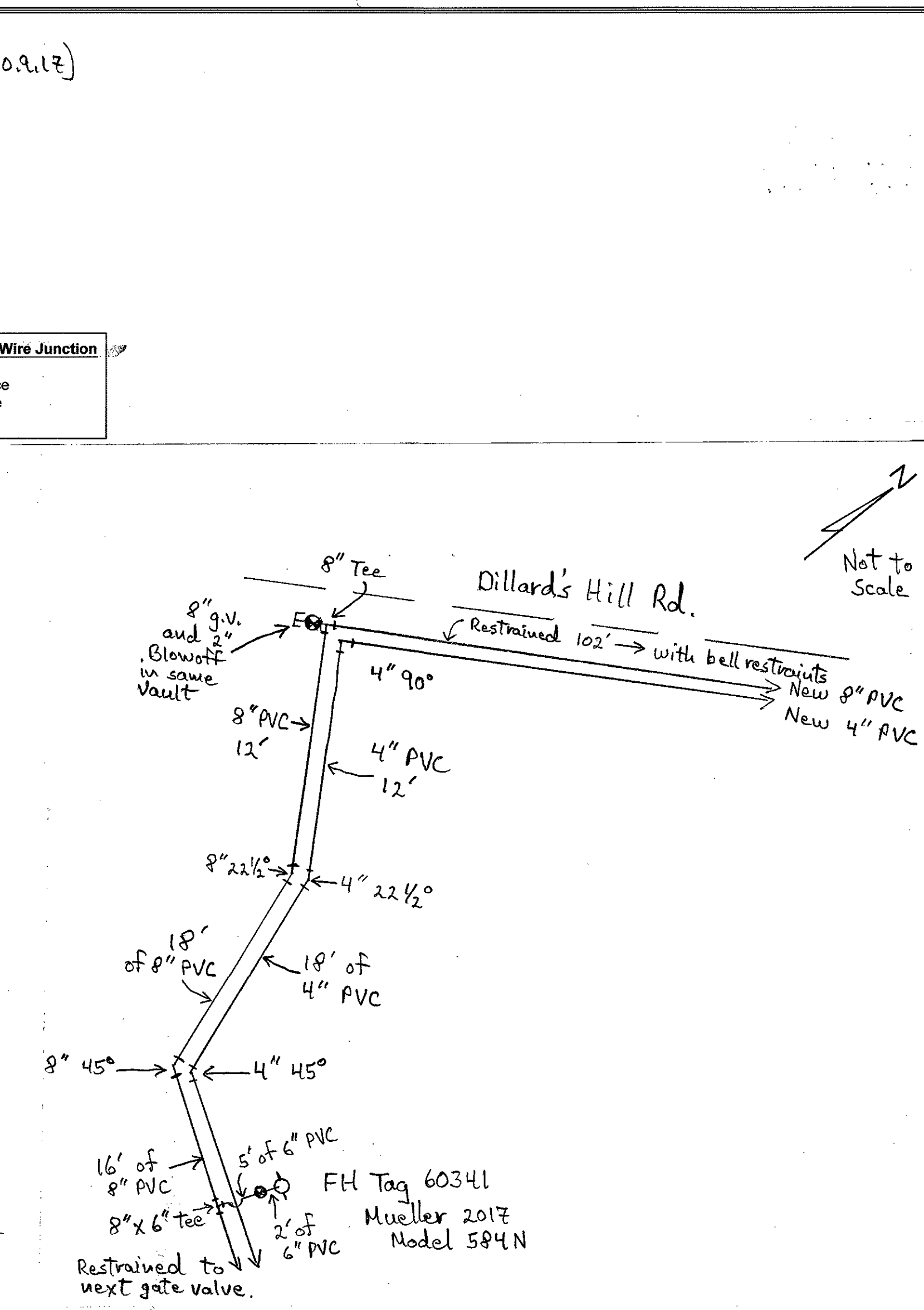
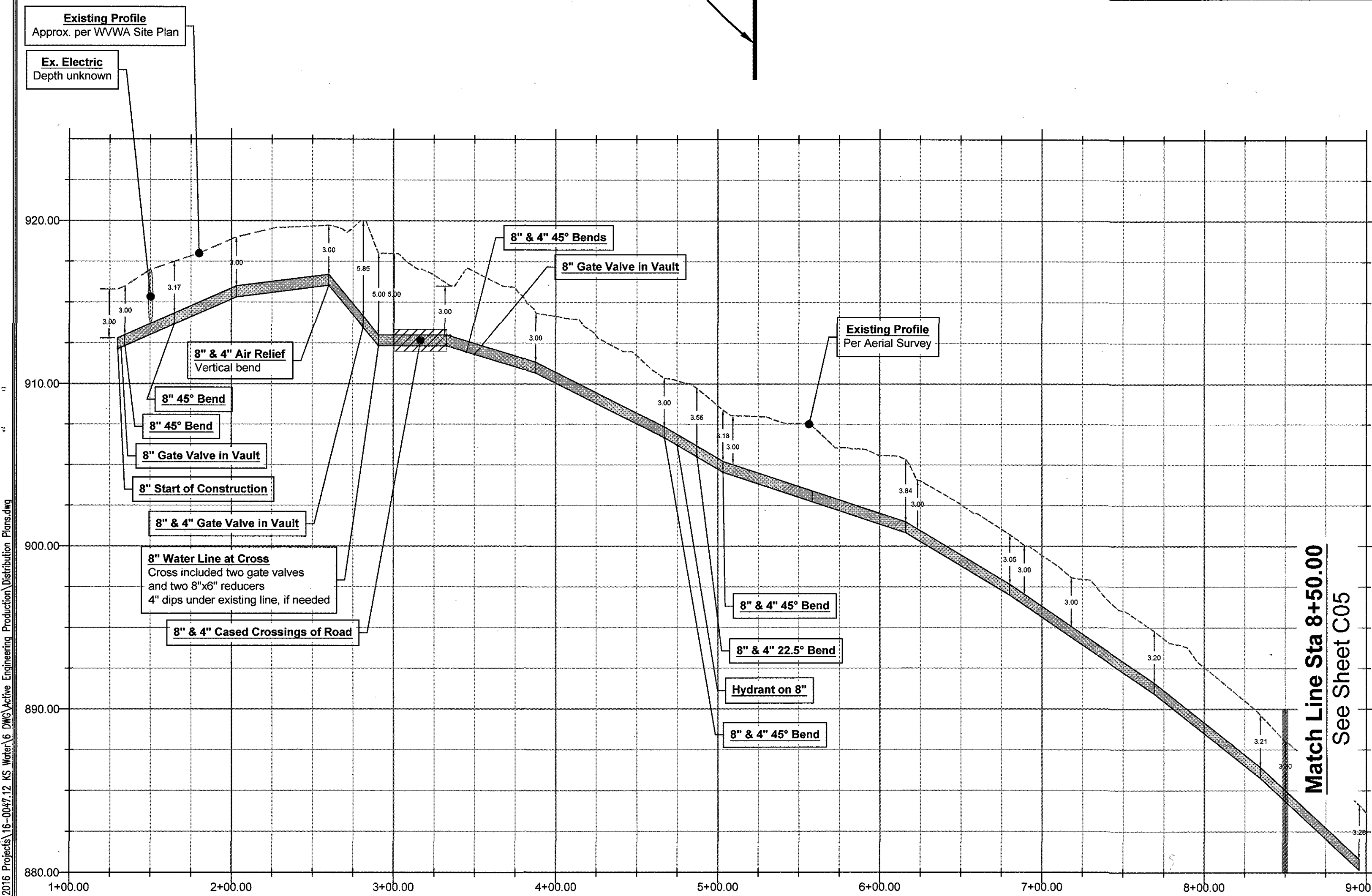
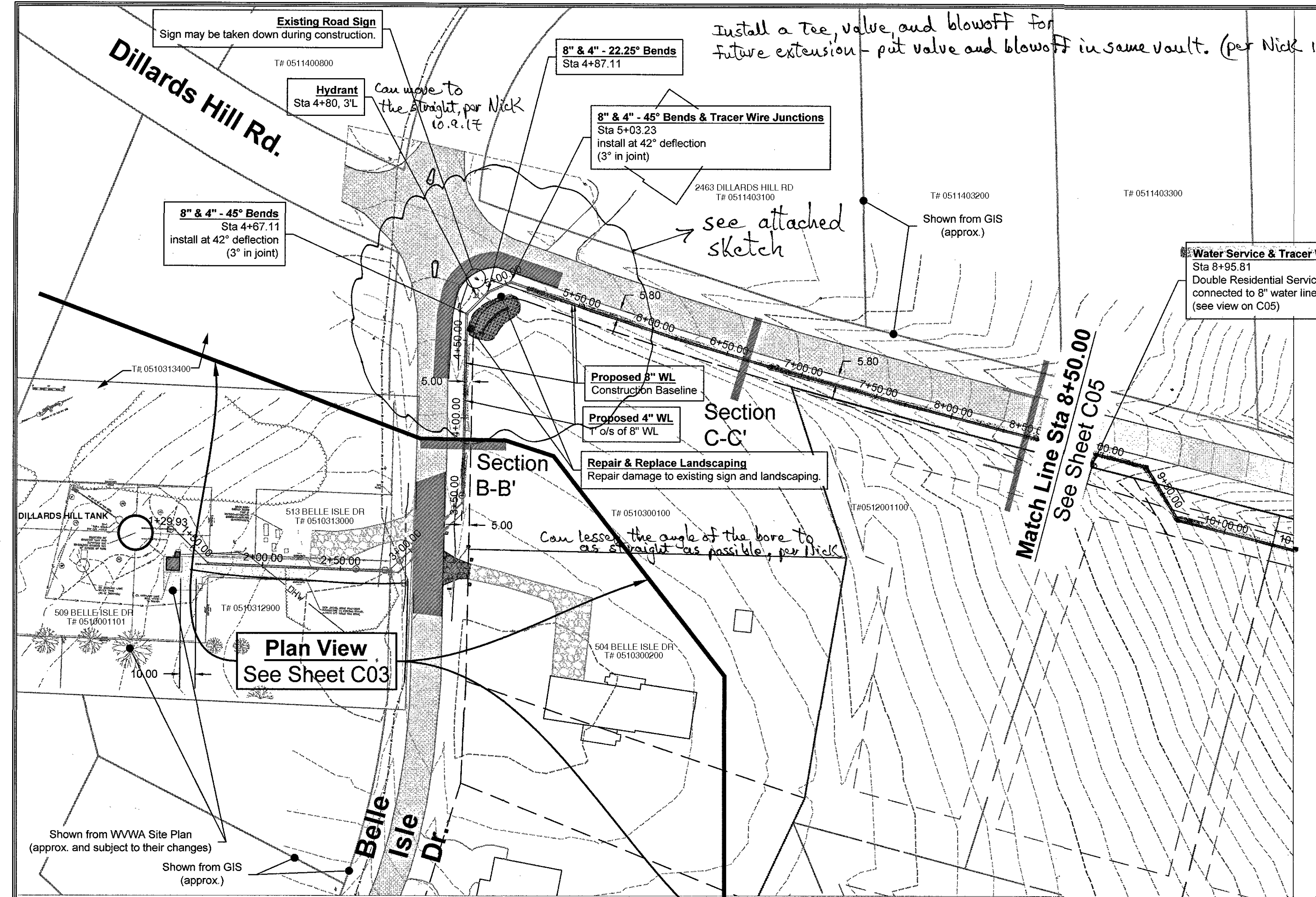




H₂O Info:
Pipe: 8", 6", 4" North American PVC C900 DRI4
1" Endot HOPE SOR-9 (services)
8", 4" American DIP CI 350
Valves:
8" Mueller 27 Turns CCW-ON
6" Mueller 21 " " "
4" Mueller 15 " " "

- General Notes**
- 1.1. Any disturbance to existing ditch lines, signs, mailboxes, landscaping, drives, etc. will be restored to original conditions.
 - 1.2. The Contractor is responsible for material storage, management of stockpiles, disposal of excess, import of fill, etc.
 - 2.1. All utility crossings shall be potholed ahead of construction to verify crossing elevations, sizes and materials.
 - 2.2. ANY connection or changes to the existing WVWA system REQUIRES the Contractor to coordinate with WVWA before planning the work.
 - 3.1. Minimum cover on all water lines shall be 3 ft.
 - 3.2. All utility crossings shall have 18" minimum vertical separation between the outside of the utilities, or Contractor shall utilize WVWA Standard Detail G-8 Concrete Pier detail.
 - 4.1. Water main shall be installed at the designated horizontal location shown on the Plan Sheet.
 - 4.2. Waterlines installed in parallel with be installed at the same bottom of trench elevation, see detail on Plan Sheet.
 - 4.3. Pipe deflections of less than 3" are not noted on the Plans. This is assumed to be within the pipe deflection joint limits.
 - 5.1. All pipe in trenches to be PVC C900 DR14.
 - 6.1. Bored Connection Piping (See WVWA G-06 & VDOT EP-1)
 - 6.1.1. Casing Pipe - 16" nominal diameter steel (see EP-1)
 - 6.1.2. Carrier Pipe - 8" nominal diameter ductile iron (see G-06)
 - 6.2. 4" Water Line Bore
 - 6.2.1. Casing Pipe - 12" nominal diameter steel (see EP-1)
 - 6.2.2. Carrier Pipe - 4" nominal diameter ductile iron (see G-06)
 - 6.3. Other materials and requirements detailed on WVWA Standard Detail G-06 and VDOT Detail EP-1
 - 7.1. Restrained joints will be used at all fittings and changes in pipe directions, see WVWA Standard Detail W-19 "Minimum Thrust Restraint of Pipe Joints Design Lengths"
 - 7.2. Contractor to be aware that all horizontal and/or vertical bend fitting may not be shown on the Plans.
 - 8.1. All 4" and smaller valves accessed by screw type boxes (b-box).
 - 8.2. All 8" and larger valves accessed by valve vaults.
 - 8.3. Valve make and model to be coordinated by Contractor with WVWA.
 - 9.1. Tracer wire and access boxes are required. Location to be coordinated by Contractor with WVWA before burying of any utilities.

Dillard's Hill Road Peninsula Water Supply & Distribution System

DESIGNED BY: CDS
DRAWN BY: CDS
CHECKED BY: SRB

DATE:
August 10, 2017
SHEET TITLE:
WL Extension
Sta 1+00 to 8+50
SCALE:
SHEET NO.
C04

parker
DESIGN GROUP
2122 Carolina Ave. SW
Roanoke, VA 24014
Ph: 540-387-1153
Fax: 540-389-5767
1915-B W. Cary Street
Richmond, VA 23220
Phone: 804-358-2947
Fax: 804-359-9645
www.parkerdg.com