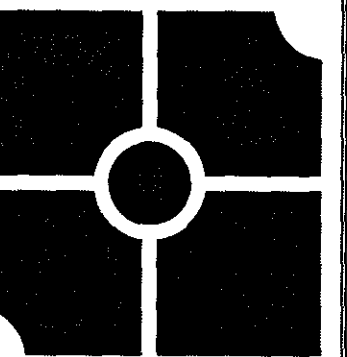
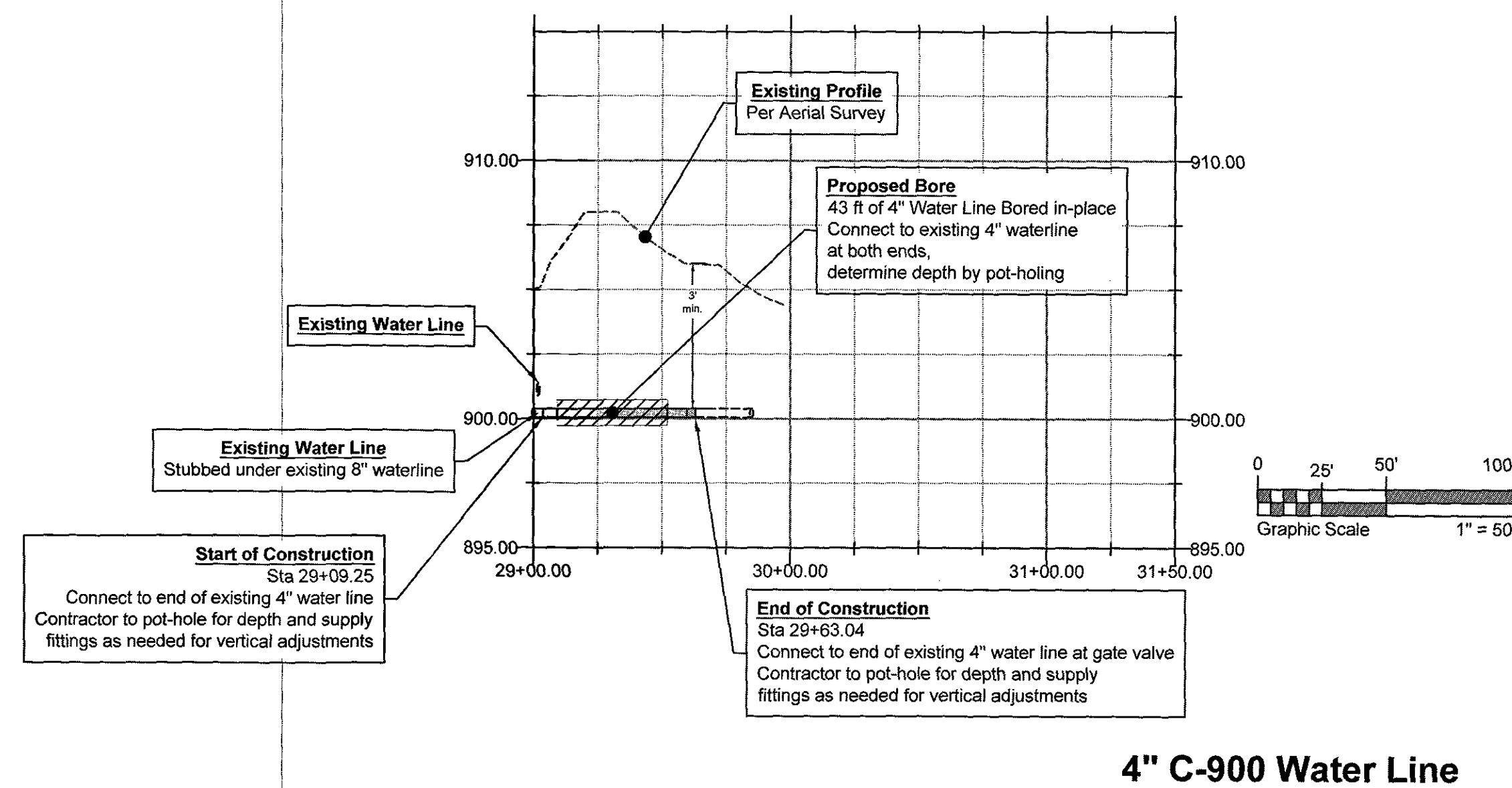
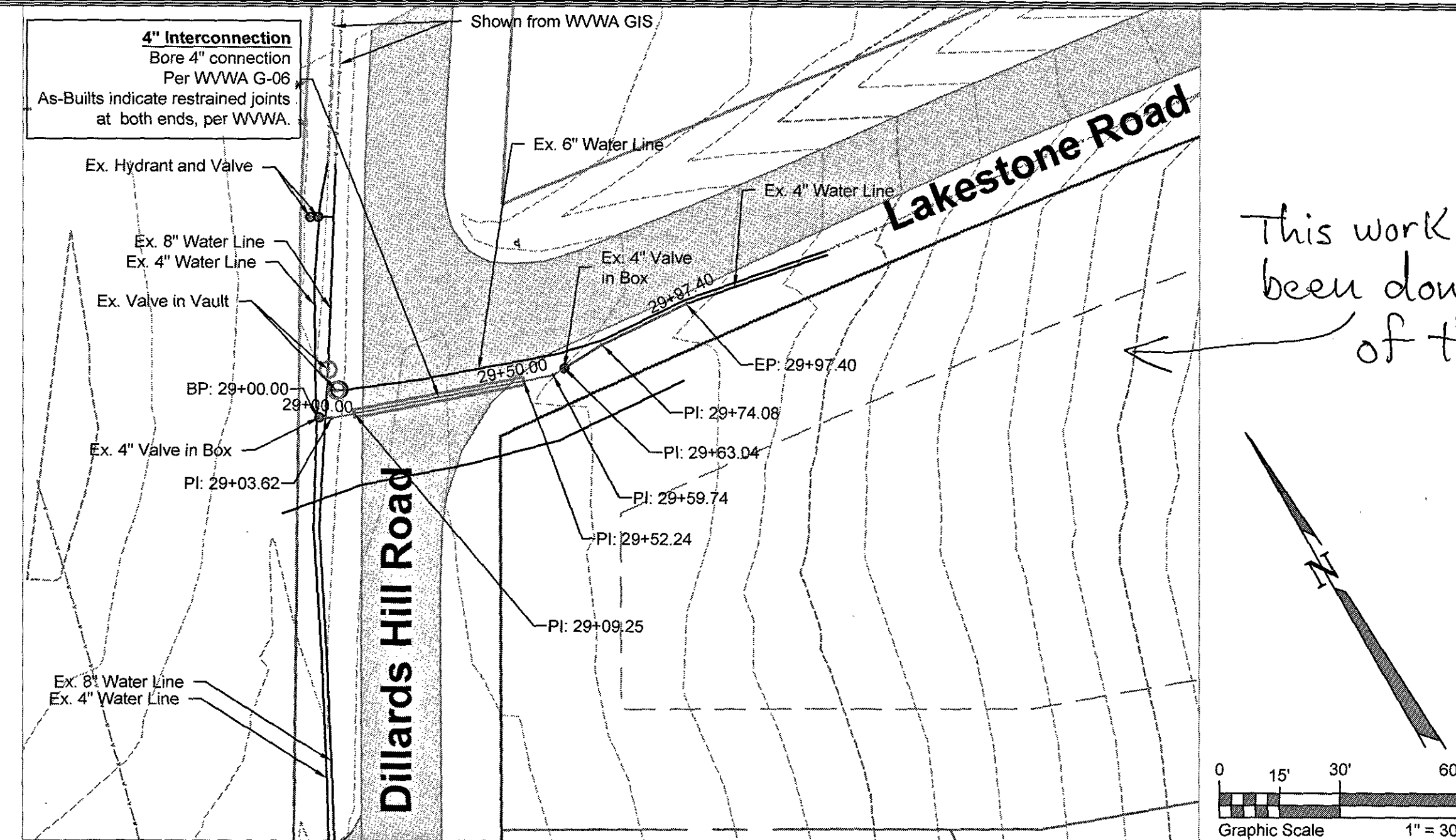


- General Notes**
- Work Zone**
 - Any disturbance to existing ditch lines, signs, mailboxes, landscaping, drives, etc. will be restored to original conditions.
 - The Contractor is responsible for material storage, management of stockpiles, disposal of excess, import of fill, etc.
 - Existing Utilities**
 - All utility crossings shall be potholed ahead of construction to verify crossing elevations, sizes and materials.
 - ANY connection or changes to the existing WVWA system REQUIRES the Contractor to coordinate with WVWA before planning the work.
 - Vertical Depth and Crossings**
 - Minimum cover on all water lines shall be 3 ft.
 - 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.
 - Horizontal Location**
 - Water main shall be installed at the designated horizontal location shown on the Plan Sheet.
 - Waterlines installed in parallel with be installed at the same bottom of trench elevation, see detail on Plan Sheet
 - Pipe deflections of less than 3" are not noted on the Plans. This is assumed to be within the pipe deflection joint limits.
 - Water Lines**
 - All pipe in trenches to be PVC C900 DR14.
 - Bored Connection Piping** (See WVWA G-06 & VDOT EP-1)
 - 8" Water Line Bore
 - Casing Pipe - 16" nominal diameter steel (see EP-1)
 - Carrier Pipe - 8" nominal diameter ductile iron (see G-06)
 - 4" Water Line Bore
 - Casing Pipe - 12" nominal diameter steel (see EP-1)
 - Carrier Pipe - 4" nominal diameter ductile iron (see G-06)
 - Other materials and requirements detailed on WVWA Standard Detail G-06 and VDOT Detail EP-1
 - Water Line Joints**
 - 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"
 - Contractor to be aware that all horizontal and/or vertical bend fitting may not be shown on the Plans.
 - Water Valves**
 - All 4" and smaller valves accessed by screw type boxes (b-box).
 - All 8" and larger valves accessed by valve vaults.
 - Valve make and model to be coordinated by Contractor with WVWA.
 - Tracer Wire and Access Boxes**
 - Tracer wire and access boxes are required. Location to be coordinated by Contractor with WVWA before burying of any utilities.



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**Dillard's Hill Road Peninsula
Water Supply & Distribution System**
Dillard's Hill Road & Belle Isle Drive
Franklin County, Virginia

REVISIONS:
01 - Rev. Scale on Enlargement C05
01 - date Aug 23, 2017

DESIGNED BY: CDS

DRAWN BY: CDS

CHECKED BY: SRB

DATE:
August 10, 2017

SHEET TITLE:
**Lakestone
Interconnection**
SCALE:

SHEET NO.

C07