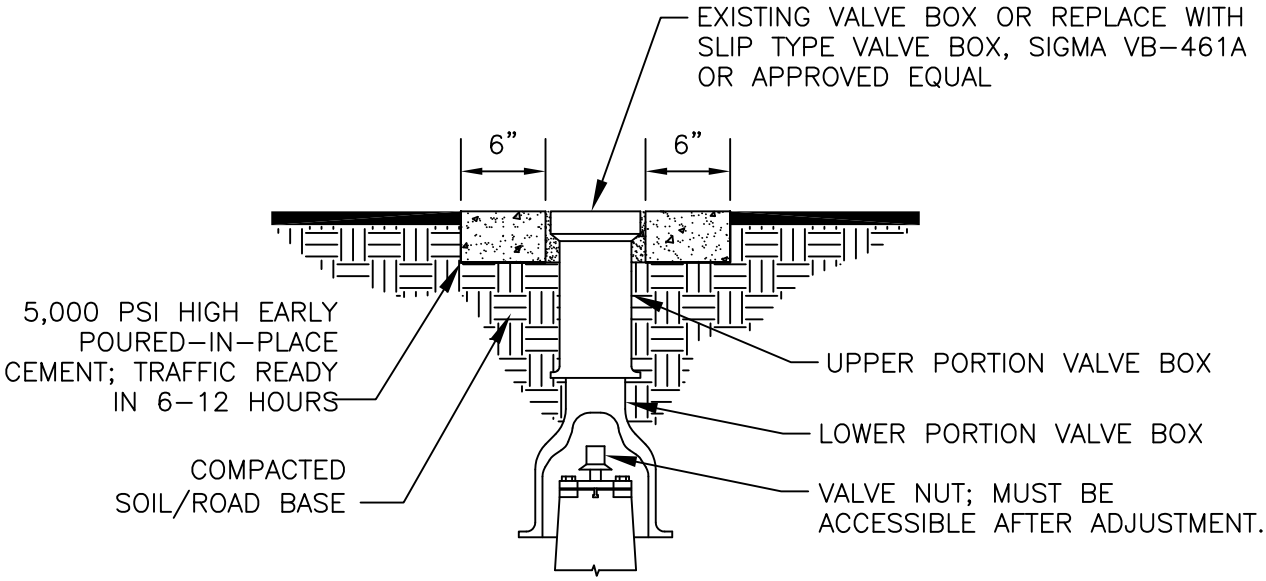

VALVE BOX (VB) ADJUSTMENT PROCEDURES:

Pre-milling coordination: Contractor shall contact ECUA's Manhole Coordinator, Mr. Eddie Carter (see D-83 ECUA Regional Services Map) at least 2 weeks prior to milling operations to coordinate location of VBs requiring adjustment (visible VBs and those under asphalt). ECUA will then make decision to either allow adjustment of existing VBs or to supply new VBs to contractor (at ECUA expense).

Pre-milling procedures: Contractor shall make a list of all VB locations (station and offset or GPS coordinates to sub-meter accuracy), and submit list to ECUA's Manhole Coordinator. If upper portion of VB is removable, then Contractor can remove upper portion of VB and install minimum ½" thick steel plate (or thicker if needed) over lower portion of VB at a depth to avoid milling operations. If upper portion of VB is not removable, then entire VB shall be removed, and new lower portion of VB shall be installed prior to plating. Contractor shall coordinate with ECUA's Manhole Coordinator on the supply of new valve boxes as needed. Contractor shall paint solid blue circle, one foot in diameter, directly over plated valve onto milled asphalt surfaces and leveling course surfaces and shall maintain painted mark for the duration of the project. Due to ECUA emergency access needs, VBs shall not be plated more than 1 month, with 2 weeks or less being preferred.

Post-resurfacing procedures: Contractor shall determine location of VBs using list created in pre-milling stage and shall remove circular area of asphalt approximately 18" in diameter (equal to typical 6" lid and 12" wide concrete collar), centered over VB. Remove plate. Align lower portion of VB to be centered over valve nut and remove all material from VB to make nut free and clear from obstructions. For minor changes in grade, adjust upper portion of VB to match finished grade. Request from ECUA's Manhole Coordinator either extra-long lower sections or extra lower sections for deeper than normal installations (PVC pipe will not be allowed). VB and lid shall be set so that elevation and slope of lid matches finished road surface. Pour 5,000 psi concrete around VB to form 6" wide concrete collar that matches elevation and slope of finished road surface.

Post-resurfacing coordination: Roadway Inspector shall confirm all VBs have been adjusted and done so according to this detail. Contractor shall then contact ECUA's Manhole Coordinator for final ECUA inspection. VBs not meeting this detail, with valve nuts not accessible due to poor alignment of valve box or construction debris/dirt in bottom of VB, or not matching roadway elevation and slope, will be corrected as required prior to payment. Contractor shall provide 2 years warranty (1 year if performed on FDOT project) beginning on ECUA's date of acceptance.

EMERALD COAST UTILITIES AUTHORITY

SCALE: N.T.S.
DATE: 12/18/14

VALVE BOX ADJUSTMENT

DETAIL

D-59