

TOWN OF RIDGWAY

STANDARD SPECIFICATIONS AND TYPICAL DRAWINGS – 1992

ADDENDUM #2 – 6/14/06

The following additions and changes are hereby incorporated in the Town of Ridgway Standard Specifications and Typical Drawings for Infrastructure Construction dated 1992 and updated in 1995:

Change: Page 1-19, Paragraph 22.01. Change the 2nd sentence to read: “ All buried facilities and lines (including but not limited to water, sewer, power, phone, gas, and cable) shall be tied to permanent surface monuments at 200’ minimum intervals, using centerline monuments when available, or other permanent monuments.

Add: Page 1-19, Paragraph 22.01. Add the following after the 3rd sentence. “For water services also include the horizontal distance from the closest valve box to each service connection. For sewer services include the distance from a manhole along the main to the service connection and the depth from the sidewalk to the invert at the dead end stub.”

Add: Page E-6, at end of Excavation to Grade sub-section add new paragraph to read: “Where utilities are to be installed in fill, construct fill a minimum of 2’ above top of pipe prior to excavation for utility installation.”

Add: Page E-8, At end of Placing Bedding Material sub-section: Add: “Where Class II bedding material has been installed, place a cover of filter fabric such as 12 oz. Minimum Mirafi 140N on top of the Class II bedding, before placing any other fill.”

Change: Page E-9, Change the third read: “In streets, the upper trench shall include 12” of Class 2 and 6” of Class 6 road base each compacted to 95% modified proctor at plus or minus 2% optimum moisture.

Delete: Page E-9, Delete the fourth paragraph this page.

Change: Page WM-1, Plastic Pipe. Change “Marking” to read: “Place 10 gauge insulated tracing wire directly on all pipe and place 4” wide marking tape 12” above pipe.”

Change: Page WM-3, Hydrants: Change the required encasement found “concrete” to “PVC pipe or other means approved by Town Engineer”.

Change: Page WM-3, Service Connection: Change the saddle material to brass.

Change: Page WM-4, Proximity Statement: - Change the first paragraph to read: "Potable water lines shall not be laid closer horizontally than 10 feet from sewer and other non-potable lines and the water lines shall be at a higher elevation than the non-potable. When water and non-potable lines cross each other, the water line shall be at least 18" above the non-potable. If this condition is not met, then the non-potable line shall be encased with a 20' PVC casing pipe centered around the water line crossing. Should the non potable line be above the water line, then the casing pipe shall be sealed to the carrier pipe with no-hub reducing couplings, Link-Seal or other approved method to provide a water tight seal. Installation shall be in accordance with the requirements of the Town Minimum Standards for Water and CDPHE and Uniform Plumbing Code requirements."

Change: Page W-2, Change the Plastic Pipe "Marking" requirements to read: "Place 10 gauge insulated tracing wire directly on all pipe and place 4" wide marking tape 12" above pipe."

Add: Page W-5 – Add the following sentence at the end of the first paragraph. "Pipes and appurtenances shall be installed within 0.5' horizontal and 0.1' vertical of design alignment and grades."

Change Page W-7, first paragraph, second sentence to read: "All nuts and bolts utilized in underground connections shall be stainless steel or Kor-Blue (or equal) unless due to extremely aggressive soils conditions, an alternate material is approved by the Town Engineer."

Add: Page W-7 at end of Laying of Pipe sub section, add a new paragraph is reads: Electrically continuous tracer wire shall be securely taped to the top of all water lines and shall be looped up to the ground surface at each valve and hydrant. Placement of the wire shall be field directed.

Delete: Page W-9, Concrete Encasement. Delete this paragraph.

Change: Page WS-1, Meter - Change meter can from CMP to Uponor round, insulated, traffic rated, molded plastic.

Change: Page WS-1,2 Service Pipe – Change this section to read": "Pipe for water service shall be type "K" copper tubing conforming to ASTM B-88-62 and NSF standards for potable water service unless other types of tubing are specified on the Town approved drawings.

Change: Page WS-2, Meter: Change the last sentence of the first paragraph to read: "Meters shall be Sensus with radio read".

Add: Page WS-2, above "Execution" – Add the following subsection.

"Fire Protection Service Line - Valves on newly constructed fire lines shall be

located on the tee at the main line unless otherwise approved by the Town. The property owner shall maintain all private fire lines beginning at and including this valve. All fire sprinkler taps shall be installed with an approved backflow prevention device as defined by the Town. A property requiring a domestic service line and a fire protection service line will have separate taps for each.

Change: Page WS-2, first sentence of second paragraph in Meter sub-section – Change paragraph to read: ‘ Pressure regulators with strainers shall be installed on the customer side of the meter when the pressure on the service line will exceed 80 psi. If line pressure exceeds 110 psi, Town may require the pressure regulator to be located upstream of the meter. In either case maintenance of the regulator is the responsibility of the property owner.’

Delete: Page WM-3, Delete the 3rd Sentence which starts “Stainless steel tapping saddles ...”.

Add: Page S-6 above “Laying Sewer Pipe” subsection, Add new Subsection to read:

“Tolerances

Sewer lines and manholes shall be laid to within 0.1’ horizontal and 0.02’ vertical of design alignment and grade. Where design sewer grades are greater than 1.0%, vertical tolerance will be increased to 0.03’.

Add Page S-9, “Service Installation” Sub-section – Add at the end of the 3rd paragraph “or with a glued cap”.

Add Page S-19, Manhole Testing: Add the following paragraph at the end of this section: “Vacuum Testing in accordance with ASTM 1244 shall be allowed as in alternative to the above exfiltration test. Minimum vacuum for the test shall be 10 psi. During the test period, the vacuum shall not drop more than 1 psi. Test periods shall be as follows:

Minimum Test Times for Manhole Vacuum Test

Manhole Depth	Manhole Diameter		
	4’	5’	6’
	Time in Seconds		
8’ or less	20	26	33
10’	25	33	41
12’	30	39	49
14’	35	46	57
16’	40	52	65

Change Page S-19, 3rd Paragraph: Change 3rd paragraph to read as follows:
“After the completion of segments of sewer lines, the lines shall be jetted with water. After water ceases to flow, video each segment to demonstrate cleanliness, proper jointing, proper tap installation, conformance to alignment and grade, and proper roundness. Town may require that video work shall be done in coordination with ovalation testing so the video records the testing results of the "Go - No Go" gauge. In addition a small steady flow of water shall be present during the video so that any variability in grade of line installation can be identified. Any locations shown to have a sag of 1/4" or more shall be corrected.”

Replace: Replace the following typical details with the attached details dated 6.06:

- Standard Bedding Detail
- Hydrant Detail (in paved streets)
- Hydrant Detail (in gravel streets)
- Typical Existing Service Reconnection Detail
- Large Water Service
- ¾" – 1" Meter Detail
- Air Vacuum Valve (type 1)
- Manhole Detail
- Handicap Ramp Details
- Typical road section with pan
- Typical road width requirements
- Cul de sac (alt)