

5560000 JACK AND BORE
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comment: (6-13-14)

The language added in red is vague ("Ensure all casing joints meet the Department's pressure requirements.") which could be problematic for the contractor and field personnel. I recommend that more specific criteria be provided or that a Section reference be given if the pressure requirements are located elsewhere within the Standard Specifications.

All Jobs

→ → **556-4.3.12 Testing Requirements Methods:** *Ensure all casing joints meet the Department's pressure requirements.* Testing may consist of one of the following methods but must always meet or exceed Department testing requirements.¶
→ → → (a) Follow the Product Manufacturer's pressure testing recommendations.¶
→ → → (b) Ensure that the product carrier pipes installed without a casing meet the pressure requirements set by the owner. If the owner does not require pressure testing, the Engineer may require at least one test.¶
→ → → | → 1. The Department requires a water tight pipe and joint configuration where the product is installed beneath any pavement (including sidewalk) and front shoulders. The Engineer will determine when and where water tight joint requirements shall be applied to the ultimate roadway section for future widening. When under the pavement conduct an air pressure test for leaks in the presence of the Engineer at a minimum test pressure of 20 PSI by either of the following methods.¶
→ → → → → i. Standard 24 hour pressure test with a recording chart or,¶
→ → → → → ii. A dragnet type leak detector or equivalent device capable of detecting pressure drops of 1/2 PSI for a time period recommended by the manufacturer.¶
→ → → → → 2. When a product is not located under the pavement, the pipe and joint configuration must meet or exceed soil tight joint requirements. The test for a soil tight joint allows up to 0.1 gallon of water leakage at a sustained pressure of 2 PSI. The water tight joint criteria allows no leakage at all for a sustained pressures of 5 PSI. Conduct test for joint integrity for one hour.¶

Response: We will revise the text to read "Ensure all casing joints meet the Department's watertight pressure requirements per Specification 430."

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Comment: (6-17-14)

556-2.1 Your welding section should say " All welding shall be done in accordance with the American Welding Society Structural Welding Code- Steel D1.1 " As proposed you limit the number of qualified welders that can work on the project, and AWS B2.1 is not a code.

Response: Agree. Change made.

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Comment: (7-8-14) Suggest the highlighted changes.

1. 556-4.3.1 Testing Requirements Methods: Ensure all casing, pipes, and joints meet the Department's pressure requirements. Testing may consist of one of the following methods but must always meet or exceed Department testing requirements. (a) Follow the Product Manufacturer's pressure testing recommendations. (b) Ensure that the product carrier pipes installed without a casing meet the pressure requirements set by the owner/Department. If the owner manufacturer does not require pressure testing, the Engineer may require at least one test.

Response: Per my conversations with the staff in Specifications, it is standard for "owner" to be used as it could be the Department or the utility provider.

No change made.

2.556-4.3.2 Damaged Product Testing: When there is any indication that the installed product has sustained damage and may leak, stop the work, notify the Engineer and investigate damage. The Engineer may require a pressure test and reserves the right to be present during the test. Perform pressure test within 24 hours unless otherwise approved by the Engineer. Furnish a copy of the test results to the Engineer for review and approval-acceptance. The Engineer shall be allowed up to 72 hours to approve acceptance or determine if the product installation is not in compliance with specifications. The Engineer may require non-compliant installations to be filled with excavatable flowable fill, at no cost to department.

Response: Approve/approval is a standard term used in the specifications. Per the staff in Specifications, approval should not be replaced with acceptance. We will add "at no cost to Department" as suggested.

Change made.
