

# SUDAS Revision Submittal Form

**Status Date:** As of 5/7/2021      **Topic:** Water main abandonment  
**Manual:** Specifications      **Manual Location:** Section 5010, 1.08, F and 3.10

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## Requested Revision:

### 1.08 MEASUREMENT AND PAYMENT

#### **F. Water Main Abandonment, Cap:**

- 1. Measurement:** Each size and location of water main to be abandoned will be counted.
- 2. Payment:** Payment will be made at the unit price for each size and location of water main abandoned.
- 3. Includes:** Unit price includes, but is not limited to, trench excavation (if necessary); closing valves; removing valve boxes; installing thrust blocks; cutting pipe; installing MJ caps; and furnishing, placing, and compacting backfill material.

#### **G. Water Main Abandonment, Fill and Plug:**

- 1. Measurement:** Each size and location of water main to be abandoned by filling and plugging will be measured in linear feet.
- 2. Payment:** Payment will be made at the unit price per linear foot of water main filled and plugged.
- 3. Includes:** Unit price includes, but is not limited to, trench excavation (if necessary); closing valves; removing valve boxes; installing thrust blocks; cutting and removing the specified section of pipe; furnishing and pumping flowable material to fill the pipe to be abandoned; installing MJ caps; and furnishing, placing, and compacting backfill material.

#### **H. Water Main Removal:**

- 1. Measurement:** Each size and location of water main to be removed will be measured in linear feet from end to end.
- 2. Payment:** Payment will be made at the unit price per linear foot for each pipe removed.
- 3. Includes:** Unit price includes, but is not limited to, trench excavation (if necessary); closing valves; installing thrust blocks; cutting pipe; installing MJ caps; removal and disposal of all valves and pipe specified for removal; furnishing, placing, and compacting backfill material.

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### **3.10 WATER MAIN ABANDONMENT**

Verify with the Engineer that all services are no longer using the main to be abandoned.

#### **A. For each pipe to be abandoned by capping:**

1. Close valves and remove valve boxes as specified in the contract documents.
2. Construct thrust blocks on each end of the active pipes according to Figure 5010.101.

3. Cut pipe to be abandoned a minimum of 5 feet from the closed valve on each end of the active pipes, leaving a minimum of 12 inches of pipe exposed beyond the thrust block.
4. Remove a minimum of 3 feet of the pipe to be abandoned.
5. Install a MJ cap using a retaining gland according to Figure 5010.101 on the end of each pipe to be abandoned and each active pipe.

**B. For each pipe to be abandoned by filling:**

1. Close valves and remove valve boxes as specified in the contract documents.
2. Construct thrust blocks on each end of the active pipes according to Figure 5010.101.
3. Cut pipe to be abandoned a minimum of 5 feet from the closed valve on each end of the active pipes, leaving a minimum of 12 inches of pipe exposed beyond the thrust block.
4. Remove a minimum of 3 feet of the pipe to be abandoned.
5. Install a MJ cap using a retaining gland according to Figure 5010.101 on each pipe to be abandoned and each active pipe.
6. Fill the pipe to be abandoned by pumping with flowable mortar, foamed cellular concrete, or CLSM complying with Section 3010.

**3.11 WATER MAIN REMOVAL**

Verify with the Engineer that all services are no longer using the main and have been disconnected from the main to be removed.

- A. Close valves as specified in the contract documents.
- B. Construct thrust block on each end of the active pipes according to Figure 5010.101.
- C. Cut pipe to be removed a minimum of 5 feet from the closed valve on each end of the active pipes leaving a minimum of 12 inches of pipe exposed beyond the thrust block.
- D. Install a MJ cap using a retaining gland according to Figure 5010.101 at the end of each active pipe.
- E. Remove and dispose of water main pipe. Furnish, place, and compact backfill material.

**3.102 TESTING AND DISINFECTION**

Test and disinfect according to Section 5030.

**Reason for Revision:** Added abandonment and removal as an option for water mains.

**Comments:** None.

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**District:**                     1     2     3     4     5     6                    **2/24/2021 Webinar**

**Comments:**                    One person suggested to measure and pay the fill and plug option by linear foot (like sanitary sewer abandonment). Another person commented that you could also fill by cubic yard/foot - no incentive NOT to completely fill the pipe. *Note - added new bid items that will be discussed in April.*

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<b>District:</b>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input checked="" type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
<b>Comments:</b>	None.					
<b>Action:</b>	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	
<b>District:</b>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
<b>Comments:</b>	None.					
<b>Action:</b>	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	
<b>District:</b>	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
<b>Comments:</b>	Add "place backfill material" to 3.11, E. <i>Note - done.</i>					
<b>Action:</b>	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	
<b>District:</b>	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
<b>Comments:</b>	None.					
<b>Action:</b>	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	
<b>District:</b>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input checked="" type="checkbox"/> 5	<input type="checkbox"/> 6
<b>Comments:</b>	None.					
<b>Action:</b>	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	
<b>District:</b>	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input checked="" type="checkbox"/> 6
<b>Comments:</b>	None.					
<b>Action:</b>	<input type="checkbox"/> Deferred		<input type="checkbox"/> Not Approved		<input checked="" type="checkbox"/> Approved	

**Final District Action Summary:** All 6 districts approved; see comments above.

**Board of Directors Action:** Approved.