

<b>ENTERGY</b>	<b>ENGINEERING STANDARD</b>	<b>EN-EP-S-002-MULTI</b>	<b>REV. 1</b>
	<b>Underground Piping and Tanks General Visual Inspection</b>		<b>PAGE 15 OF 15</b>

**ATTACHMENT 7.3 PIPE/TANK BASE MATERIAL VISUAL INSPECTION CHECKLIST**  
**Sheet 1 of 2**

**Note: Any inspection photographs or videos should be included with the inspection report.**

Line/Tank ID & Name: 3-SI-161-3, 3-SI-161-4 / 3-in SI Line 161 Work Order: 279577-02

System: Safety Injection Base Material: 304 SS Inspection Date: 5/14/2013

Location: IP3 NW WHUT PIT Thickness: 0.216" Inspector: J. Peterson

Previously Coated? Yes [ ] No [X]

Backfill Contains Rocks? Yes [ ] No [X] Description: \_\_\_\_\_

Backfill Contains Other Objects? Yes [ ] No [X] Description: \_\_\_\_\_

**(circle one, Internal /tank or External/pipe)**

**Note**

1. Any Cracking? Yes [ ] No [X] \_\_\_\_\_

2. Any Rust? Yes [ ] No [X] \_\_\_\_\_

3. Any Corrosion? Yes [ ] No [X] \_\_\_\_\_

4. Any Flaking or Scaling? Yes [ ] No [X] \_\_\_\_\_

5. Any Mechanical Damage? Yes [ ] No [X] \_\_\_\_\_

6. Any Nicks, Gouges, Pitting or Arc Strikes? Yes [ ] No [X] \_\_\_\_\_

7. Any Tubercles (if Internal Inspection) N/A [X] Yes [ ] No [ ] \_\_\_\_\_

8. Any MIC (if Internal Inspection) N/A [X] Yes [ ] No [ ] \_\_\_\_\_

9. Any Indication of Selective Leaching? Yes [ ] No [X] \_\_\_\_\_

10. Other? Yes [ ] No [X] \_\_\_\_\_

**Any yes answer requires a CR to be initiated**

General Appearance: A portion of the 3-inch Safety Injection line 161 (SIP return to the RWST) was excavated and visually inspected. The total length of the Safety Injection line inspected was at least 16 ft. The exposed piping was in good condition. No damage noted.

Degradation Found? Yes [ ] No [X] Further Evaluation Required? Yes [ ] No [X]

Comments: Some discoloration exists along with what seems to be a light coating of concrete potentially from original construction. Even though no anomalies were found on this pipe still recommend performing UT thickness readings in selected sections of the pipe to verify that wall thickness is within the acceptance criteria, Photos and sketch attached. Ref: Drawings 9321- 26313.

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**ATTACHMENT 7.3 PIPE/TANK BASE MATERIAL VISUAL INSPECTION CHECKLIST**

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**Sheet 2 of 2**

Degradation Location: Straight Pipe [ ]      Fitting [ ]      Weld [ ]  
 Position of leak (i.e., 6 o'clock) N/A  
 CR Required? Yes [ ]    No [X]      CR No. \_\_\_\_\_

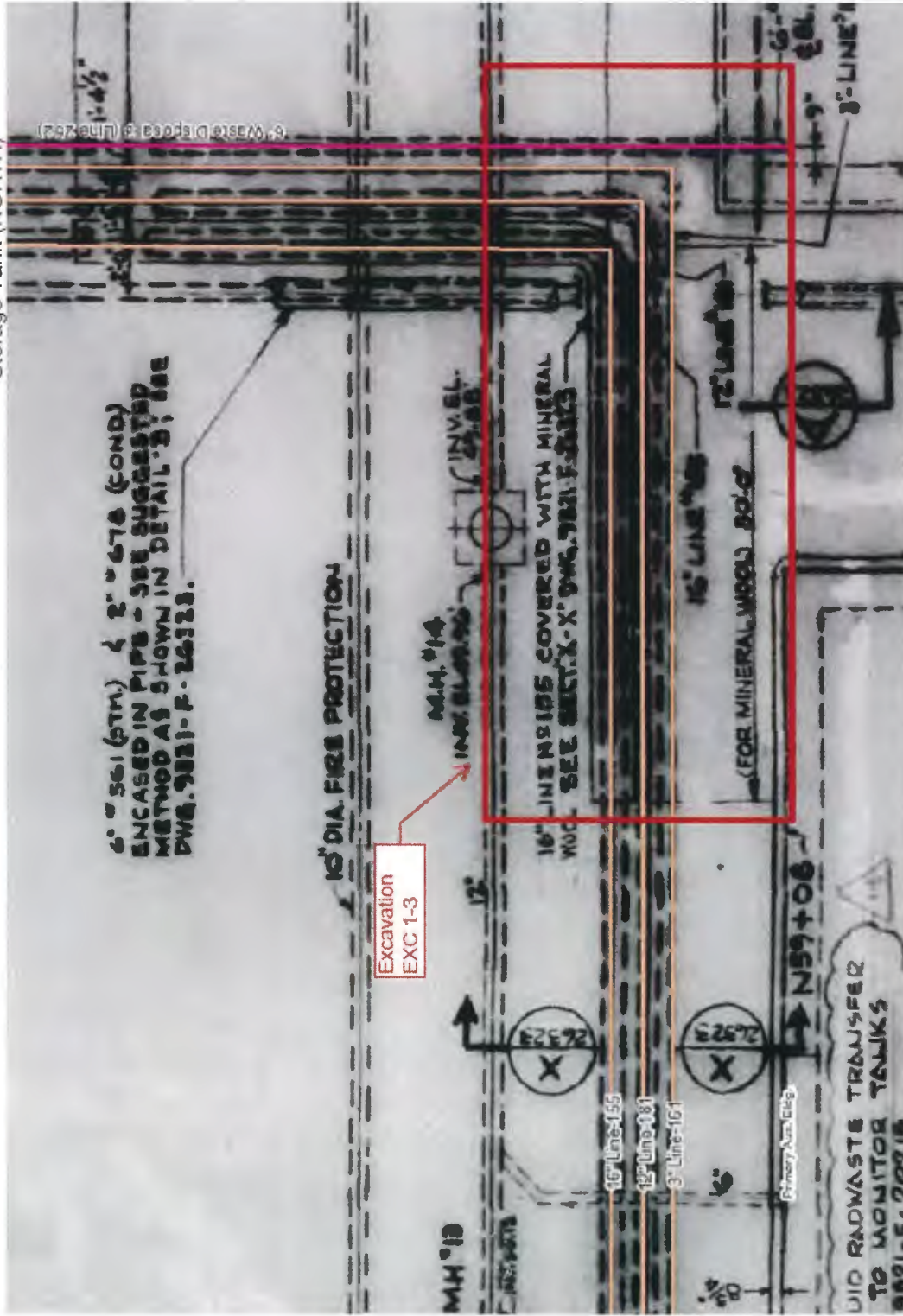
Performed By: Joseph F. Peterson  Date: 06/07/2013

Program Owner or Qualified Designee: Lina Cossio-Gonzalez  Date: 06/07/2013

# EXC1-3/IP3 @ NW Corner of the WHUT Pit

Reference: Drawing 9321-F-26313

from Refueling Water  
Storage Tank (NORTH)



Buried lines continue to the FSB on the Left (WEST). PAB is at lower left

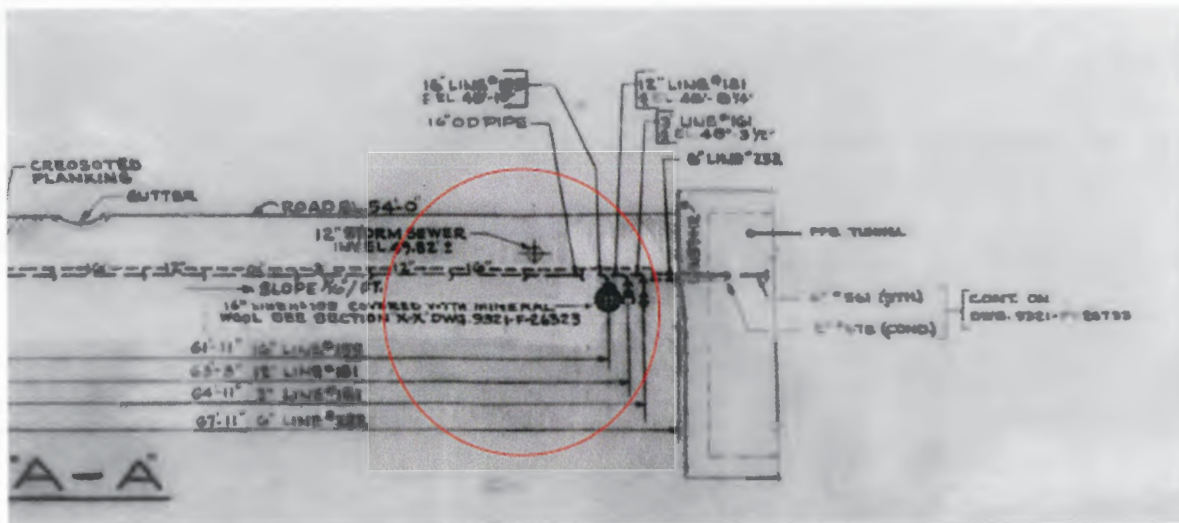
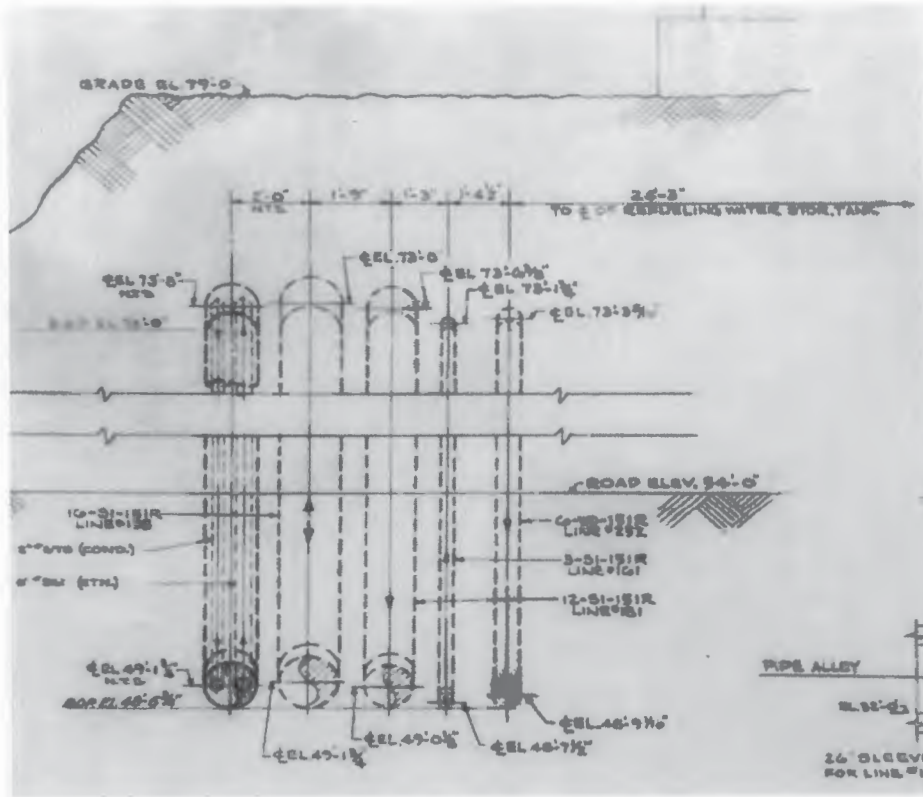


IP3 Aerial View.

A 15 ft (N-S) x 20 ft (E-W) x 8 ft (deep) excavation (grade is at approx. El. 54 ft) uncover the following lines:

1. 6-inch WD Line 252 (RWST overflow to WHUT)
2. 3-inch SI Line 161 (SIP return to the RWST)
3. 12-inch SI Line 181 (RWST to Cont. Spray Pumps)
4. 16-inch SI Line 155 (RWST to RHR Pumps)
5. 16-inch outer pipe containing 6-inch STM Line 561 and 2-inch COND Line 678





Reference: Drawing 9321-F-26323



16-inch outer pipe  
containing 6-inch STM  
Line 561 and  
2-inch COND Line 678

16-inch SI Line  
155 (RWST to  
RHR Pumps)

12-inch SI Line  
181 (RWST to  
Cont. Spray  
Pumps)

3-inch SI Line 161  
(SIP return to the  
RWST)

6-inch WD Line 252 (RWST  
overflow to WHUT)



6-inch WD Line 252 (RWST overflow to WHUT)

3-inch SI Line 161 (SIP return to the RWST)









3-inch SI Line 161  
(SIP return to the  
RWST)



**3-inch SI Line 161  
(SIP return to the  
RWST)**