



UT Erosion/Corrosion Examination

Site/Unit: IP2 / 2 Procedure: CEP-NDE-0505 Outage No.: N/A
 Summary No.: 2" #1511 & 8" #1502 Procedure Rev.: 4 Report No.: IP2-UT-13-006
 Workscope: BOP Work Order No.: 00323250-12 Page: 1 of 6

Code: ANSI B.31.1, 1955 Edition Cat./Item: N/A Location: Transformer Yard - 10'
 Drawing No.: 9321-F-2737 & 2236 Description: Buried pipe examination of the 2" and 8" pipe.

System ID: City Water
 Component ID: 2" Line # 1511 and 8" Line # 1502 Size/Length: 2" / 8" Sch 40 Thickness/Diameter: C/S .154"/.322"
 Limitations: None Component File No.: 2-1511 / 1511A & 8-1502 Start Time: 1135 Finish Time: 1230

Calibration Information		Calibration Times / Initials	
Calibration Thickness (In)		Start:	Verify:
0.100"	N/A	1135	REA
0.200"	N/A	1140	REA
0.300"	N/A	1154	REA
0.400"	N/A	1220	REA
0.500"	N/A	1230	REA

Partitioning Information		
Component	Begin/Col/Row	Ending/Col/Row
M. UPST Ext.	N/A	
Main UPST.	N/A	
Main	A 1	G 7
Main DNST.	N/A	
M. DNST Ext.	N/A	
Branch	A 1	D 2
Branch Ext.	A 1	B 4

Component Information	
Component Geometry:	Pipe
Outside Diameter:	2" / 8" Grid Size: See Pg. 2
Max. Thickness:	.168"/.352" Min. Thickness: .135"/.310"
Nominal Thickness:	.154"/.322" Tmin.: .134"/.282"
Min. Thickness Location:	2" pipe area 1 - B2
Max. Thickness Location:	8" pipe - G 3

Instrument: Manufacturer: 37-DL Plus Panametrics
 Model: 041163404 Serial No.: 575717
 Gain: 51 dB Size: 0.312" Freq.: 5.0 MHz
 Range: 1.0" Model: D791 # of Elements: Dual
Transducer: Manufacturer: Control Co., Inc
 Serial No.: 99-7437 Temp. Tool:
 Size: C/S 0.04"-0.5" Type: QS-92
 Ref./Simulator Block Temp.: 42-44 °F Couplant:
 Material/Component Temp.: 42-44 °F Type: Ultragel II
 Batch No.: 09325

Comments/Obstructions: Coating and was removed prior to this examination. Grid point readings taken.
 Results: Accept Reject Info Tmin = 0.134" & 0.282" (87.5% of nominal thickness).

Examiner	Level	III EOI	Signature	Date	Reviewer	Signature	Date
Allen, Robert E.				1/9/2013	N/A		
Examiner	Level	N/A	Signature	Date	Site Review	Signature	Date
N/A					J. Peterson		11/7/2013
Other	Level	N/A	Signature	Date	ANII Review	Signature	Date
N/A					N/A		



Supplemental Report

Report No.: IP2-JT-13-006

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Summary No.: 2" #1511 & 8" #1502

Examiner: Allen, Robert E.

Examiner: N/A

Other: N/A

Level: III EOI

Level: N/A

Level: N/A

Reviewer: N/A

Site Review:

ANII Review: N/A

Date:

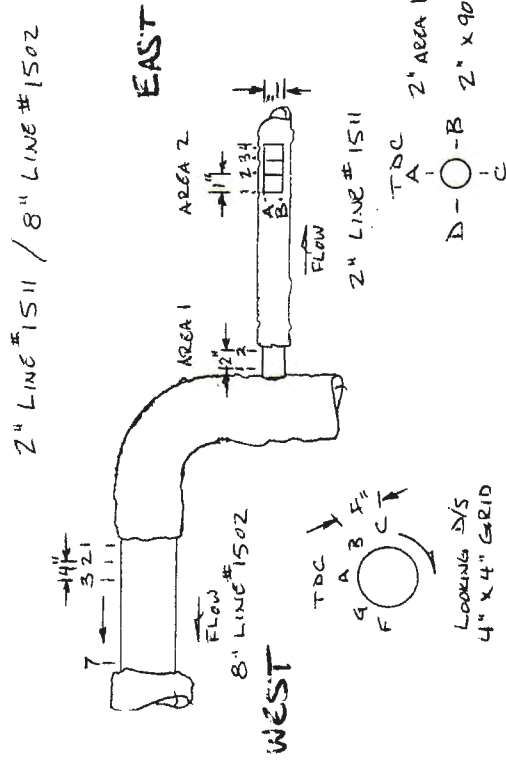
Date: 11/7/2013

Date:

Comments: Sketch left below of the grid layouts. Photo right below of the 8" pipe examined.

Sketch or Photo: \\Client\Y\$\Idea\Ver 8\Idea\Server\Idea\IP2\Graphics-Pictures\Burried Pipe\2-1511 8-1502.TIF

\\Client\Y\$\Idea\Ver 8\Idea\Server\Idea\IP2\Graphics-Pictures\Burried Pipe\8-1502.jpg





Entergy

Supplemental Report

Report No.: IP2-JT-13-006

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Summary No.: 2" #1511 & 8" #1502

Examiner: Allen, Robert E.

Examiner: N/A

Other: N/A

Level: III EOI

Level: N/A

Level: N/A

Reviewer: N/A

Site Review:

ANII Review: N/A

Date:

Date: 11/7/2013

Date:

Comments: Photo's of the 2" pipe examined; left below of Area 1 and right below of Area 2.

Sketch or Photo: \\Client\Y\$\Ideall Ver 8\Ideall_Server\Ideall_IP2\Graphics-Pictures\Burried Pipe\2-1511.jpg



\\Client\Y\$\Ideall Ver 8\Ideall_Server\Ideall_IP2\Graphics-Pictures\Burried Pipe\2-1511A.jpg



COLOR CODED DATA GRID

8" City Water Line # 1502

The Survey Name:	8-1502	Survey Date:	1/9/2013 2:41:32 PM
Survey Description:	E/C	Survey Mode:	THICKNESS
Survey Type:	2D GRID	Erase Protection:	FALSE
Location Note:	IP2	Inspector ID:	<i>[Signature]</i>
Report No.:	IP2-UT-13-006	Reviewer:	<i>[Signature]</i> 1/17/2013
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	A	B	C	D	E	F	G	Min	Max	Avg
1	0.316	0.310	0.319	0.330	0.345	0.341	0.330	0.310	0.345	0.327
2	0.318	0.319	0.321	0.330	0.340	0.338	0.327	0.318	0.340	0.328
3	0.330	0.319	0.325	0.333	0.329	0.332	0.352	0.319	0.352	0.331
4	0.318	0.323	0.328	0.332	0.335	0.330	0.328	0.318	0.335	0.328
5	0.323	0.324	0.326	0.335	0.328	0.333	0.330	0.323	0.335	0.328
6	0.323	0.318	0.322	0.325	0.324	0.326	0.328	0.318	0.328	0.324
7	0.323	0.322	0.327	0.328	0.321	0.319	0.326	0.319	0.328	0.324
Min	0.316	0.310	0.319	0.325	0.321	0.319	0.326			
Max	0.330	0.324	0.328	0.335	0.345	0.341	0.352			
Avg	0.322	0.319	0.324	0.330	0.332	0.331	0.332			

Color Legend:

Over Range	[]
Not Used	[]
Not Used	[]
Not Used	[]
0.283 - 0.362	[]
0.194 - 0.282	[]
0.097 - 0.193	[]
0.000 - 0.096	[]
Under Range	[]
Row or Column Statistics	[]

Total Statistics:

Maximum	[]	0.352
Minimum	[]	0.310
Average	[]	0.327

COLOR CODED DATA GRID

2" City Water Line # 1511 - Area 1

The Survey Name:	2-1511	Survey Date:	1/9/2013 2:40:16 PM
Survey Description:	E/C	Survey Mode:	THICKNESS
Survey Type:	2D GRID	Erase Protection:	FALSE
Location Note:	IP2	Inspector ID:	<i>[Signature]</i>
Report No.:	IP2-UT-13-006	Reviewer:	<i>[Signature]</i> 1/17/2013
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	A	B	C	D	Min	Max	Avg
1	0.144	0.142	0.152	0.156	0.142	0.156	0.149
2	0.146	0.135	0.152	0.155	0.135	0.155	0.147
Min	0.144	0.135	0.152	0.155			
Max	0.146	0.142	0.152	0.156			
Avg	0.145	0.139	0.152	0.156			

Color Legend:

Over Range	
Not Used	
Not Used	
Not Used	0.173
0.135 - 0.173	0.134
0.093 - 0.134	0.092
0.047 - 0.092	0.046
0.000 - 0.046	0.000
Under Range	
Row or Column Statistics	

Total Statistics:

Maximum	0.156
Minimum	0.135
Average	0.148

COLOR CODED DATA GRID

2" City Water Line # 1511 - Area 2

The Survey Name:	2-1511A	Survey Date:	1/9/2013 2:40:25 PM
Survey Description:	E/C	Survey Mode:	THICKNESS
Survey Type:	2D GRID	Erase Protection:	FALSE
Location Note:	IP2	Inspector ID:	REA
Report No.:	IP2-UT-13-006	Reviewer:	<i>[Signature]</i> 1/17/2013
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	A	B	Min	Max	Avg
1	0.151	0.157	0.151	0.157	0.154
2	0.156	0.168	0.156	0.168	0.162
3	0.147	0.155	0.147	0.155	0.151
4	0.152	0.158	0.152	0.158	0.155
Min	0.147	0.155			
Max	0.156	0.168			
Avg	0.152	0.160			

Color Legend:

Over Range	[]
Not Used	[]
Not Used	[]
Not Used	[]
Not Used	[]
0.135 - 0.173	[] 0.173
0.093 - 0.134	[] 0.134
0.047 - 0.092	[] 0.092
0.000 - 0.046	[] 0.046
Under Range	[] 0.000
Row or Column Statistics	[]

Total Statistics:

Maximum	[] 0.168
Minimum	[] 0.147
Average	[] 0.156