

Date: 09/29/2010 - 1/5/2012  
 Cardno TBE Project No.: IL09500411  
 Client Proj. No.: PTB-141-012  
 Work Order No.: 11  
 Road Name/No.: RT-47

**Cardno TBE**  
**Subsurface Utility Engineering**  
**Test Hole Field Data**

Vac Truck/Trailer No.: 55-311 & 55-423  
 SUE Crew: JD,JB,ER,CJ,EJ,IP  
 County/State: Kendall/Grundy/IL  
 Location: RT-47  
 Cardno TBE Office: Schaumburg, IL  
 Units: English  Metric

Utility Type:	Utility Material:	Offset Measured From:	Identified By:
E- Electrical G- Gas Line BT- Buried Telephone FOC- Fiber Optic Cable W- Water SAN- Sanitary Sewer STM- Storm Sewer CATV- Cable Television FM- Force Main RW- Reclaimed Water SL- Street Light TS- Traffic signal FL- Fuel Line EXP- Exploratory UNK- Unknown Other-	1- Steel 2- PVC (Polyvinyl Chloride) 3- DIP (Ductile Iron Pipe) 4- VCP (Vitrified Clay Pipe) 5- PE (Polyethylene Pipe) 6- AC (Transite) 7- CI (Cast Iron) 8- DBC (Direct Buried Cable) 9- Concrete Pipe 10- Corrugated Metal Pipe 11- Fiberglass 12- Unknown 13- 14- 15-	30- Edge of Pavement 31- Baseline 32- Right-of-Way 33- Centerline 34- Back of Curb 35- Survey Hub 36- "X" in Concrete 37- Swing Ties 38- Ref. Point in Driveway 39-	20- Sleeve 21- Hub/Lathe 22- Nail/Disk* 23- "X" in Concrete 24- SIRC 5/8*** 25- 26-  * Set Nail and Disk Stamped "TBE Test Hole"  ** Set Iron Rod & Cap Stamped "TBE Test Hole"

Test Hole Date	Test Hole No.	Utility Type	Utility Material	Nominal Utility Size	Approx. Station	Approx. Offset Distance		Offset Meas. From	Manual Depth	Cross Sectional View (Approx.)	Utility Direction	ID'd By	Surface Type	Pymnt Thickness
						ft. <input type="checkbox"/> m. <input type="checkbox"/>	L R							
12/12/11	1	G	1	SEE NOTES	6098+65	30.64		33	6.15	○	←	24	NG	N/A
12/12/11	2	G	1	10"	6098+15	40.24		33	5.17	○	↗	24	NG	N/A
12/13/11	3	G	1	10"	6098+15	40.58		33	5.08	○	↗	24	NG	N/A
12/13/11	4	G	1	10"	6099+00	48.45		33	4.85	○	↗	22	NG	N/A
12/13/11	5	G	1	10"	6099+10	73.17		33	4.07	○	←	23	NG	N/A
12/13/11	6	G	1	10"	6098+70	74.15		33	4.74	○	←	23	NG	N/A
12/13/11	7	G	1	36"	6099+65	69.56		33	7.82	○	↖	24	NG	N/A
12/21/11	8	G	1	SEE NOTES	6229+10	44.26		33	6.90	○	↗	24	NG	N/A
12/21/11	9	G	1	24"	6227+60	45.25		33	5.50	○	↗	24	NG	N/A
12/21/11	10	G	1	36"	6226+75	45.43		33	5.86	○	↗	24	NG	N/A
01/10/12	11	G	1	36"	6226+10	27.23		33	4.10	○	↗	24	NG	N/A
01/09/12	12	G	1	SEE NOTES	6100+10	65.00		33	8.65	○	↖	24	NG	N/A
01/09/12	13	G	1	42"	6228+60	31.38		33	2.67	○	↗	24	NG	N/A
01/09/12	14	G	1	SEE NOTES	6227+00	31.13		33	4.49	○	↗	24	NG	N/A
09/29/10	15	G	1	36"	6284+50	32.4		33	6.56	○	←	24	NG	N/A
09/29/10	16	G	1	36"	6284+50	257.4		33	5.06	○	←	24	NG	N/A
09/29/10	17	G	1	36"	6284+50	34.0		33	6.71	○	←	24	NG	N/A

Notes: TH'S 1-4 offsets were taken from CL of Nelson Rd. TH'S 5-14 were taken from CL of RT-47.

Sheet 1 of 1 Prepared By: JP Date: 1/05/12 /QC By: EG Date: 1/24/12

Test Hole No.	Top of Utility	Reference Point	Calculated Depth (FT)	SUE Quality Level	Notes
1	11.04	4.89	6.15	A	Unable to fully expose and verify size due to loose soil continually collapsing within excavated hole. 10" main according to ONEOK representative on site.
2	9.84	4.67	5.17	A	
3	9.83	4.75	5.08	A	
4	9.56	4.71	4.85	A	
5	8.72	4.65	4.07	A	
6	9.29	4.55	4.74	A	
7	12.66	4.84	7.82	A	
8	12.33	5.43	6.90	A	Unable to fully expose and verify size due to concerns of damaging brittle coating on pipe. 36" main according to Kinder Morgan representative on site.
9	11.19	5.69	5.50	A	
10	11.63	5.77	5.86	A	
11	8.96	4.86	4.10	A	
12	N/A	N/A	8.65	B	Unable to expose and verify size due to excessive ground water infiltration within the excavated hole. However, by utilizing an air lance we were able to feel what we believe to be the top of pipe. 36" main per Alliance representative on site.
13	8.00	5.33	2.67	A	42" casing per Kinder Morgan representative on site.
14	10.08	5.59	4.49	A	Unable to fully expose and verify size due to loose soil continually collapsing within excavated hole. 24" main according to Kinder Morgan representative on site.
15	12.90	6.34	6.56	A	OFFSET PULLED FROM CL OF ST. RD 47.
16	10.59	5.53	5.06	A	OFFSET PULLED FROM CL OF ST. RD 47.
17	13.32	6.61	6.71	A	OFFSET PULLED FROM CL OF ST. RD 47.

Comments:

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