

Via Overnight Delivery and E-mail

January 16, 2009

Edward N. Damon, Esq.
New Hampshire Public Utilities Commission
21 S. Fruit Street, Suite 10
Concord, NH 03301-2429

**Re: National Grid/ KeySpan Corporation Merger
DG 06-107**

Dear Attorney Damon:

In accordance with the Rate Plan Settlement Exhibit EN-3 section A-1 as approved by the Commission in Order No. 24,777 dated July 12, 2007, attached is a list of 28 proposed cast iron bare steel main replacement candidates for fiscal year 2010 along with back-up information regarding the locations and leak histories. These replacement candidates were determined and prioritized in accordance with the Company's Procedure GENG-2050 (Identification, Evaluation and Prioritization of Distribution Main Segments for Replacement) and include targeted assets as agreed during previous technical sessions. The Company's proposal provides for the replacement of 4.06 miles at an estimated cost of \$3,822,273.14. Also enclosed is a cumulative computation of the estimated revenue and bill impact associated with the inclusion of \$3,322,273.14 million in rate base, which represents the incremental spending to the \$500,000 base amount, provided for in the merger settlement agreement

The Company is prepared to schedule an initial technical session to discuss this proposal at the Staff's earliest convenience.

Sincerely,



Thomas P. O'Neill

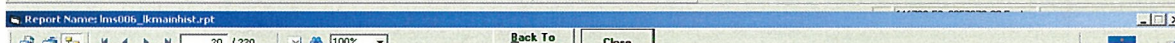
TPO/tas

Enclosures

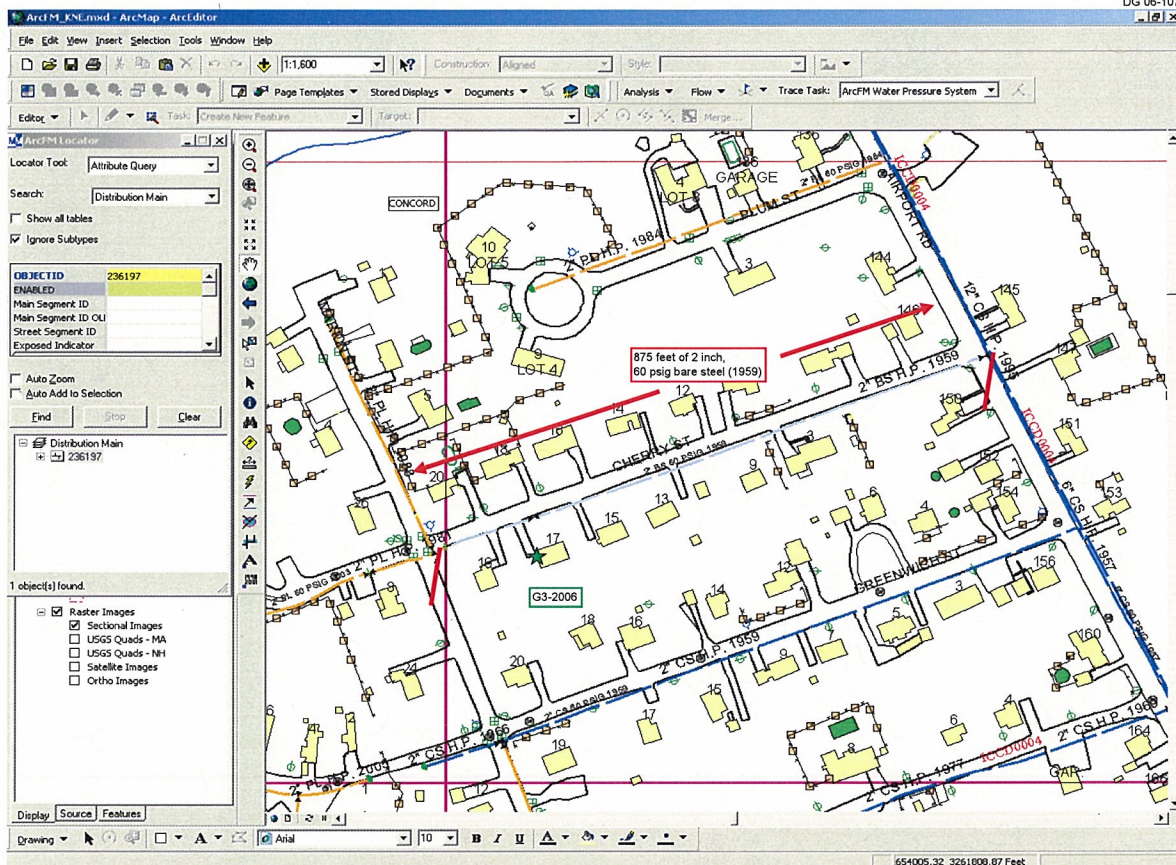
cc: S. Frink
K. Traum
R. Knepper

2009 National Grid New Hampshire Cast Iron and Bare Steel Replacement Program

Priority	Phase	Category	Division	Town Code	Status	DESCRIPTION	Int Street 1	Int Street 2	Address Range	Est. Diameter	Est. Material	Y01	Estim. Frequency	Relat. Diameter	Relat. Footings	Abund. Footings	Total Footings	Abund. Causal	Reconst. Causal	Relat. Insect. Causal	# of Services	Estimated Direct Main Cost	Estimated Direct Service Cost	Total Estimated Direct Cost	Total Estimated Loaded Cost (85%)	Ave Deem/ Est	Ave Load/ Est	WONUM	
1	TBD	RNMC	North	CCD	H	83 PLEASANT ST, CCD	BARBERRY LN		83	2	Steel	1900	LP	4	120	0	120	0	0	0	0		\$12,720.00	\$0.00	\$12,720.00	\$19,080.00	\$106.00	\$159.00	588562
2	TBD	PROG	North	TIL	APPR	5-21 WINTER ST, TIL, & 4-22 PEABODY ST	CEDAR ST	W MAIN ST	5-21	4	Steel	1931	60	6	1360	0	1360	0	4	11	15		\$83,408.80	\$12,000.00	\$95,408.80	\$143,113.20	\$70.15	\$105.23	586554
3	TBD	PROG	Central	C	WSCHD	148-227 SAGAMORE ST, MNC, & OAK ST	BEECH ST	RUSSELL ST	148-227	4	Iron	1917/1924	LP	6	1505	0	1505	3	9	21	33		\$169,848.39	\$35,789.39	\$205,646.78	\$308,470.17	\$136.64	\$204.96	586536
4	TBD	PROG	North	CCD	H	143-208 N MAIN ST, CCD	WASHINGTON ST	STORRS ST	143-208	6	Iron	1892	LP	8	1175	0	1175	0	5	11	16		\$100,838.30	\$18,996.96	\$119,835.26	\$179,752.89	\$101.99	\$152.98	586410
5	TBD	PROG	North	CCD	H	1-42 N SPRING ST, CCD, & WARREN ST	PLEASANT ST	RUMFORD ST	1-42	4	Iron	1892/1900	LP	6	1425	0	1425	2	5	14	21		\$89,954.79	\$20,706.46	\$110,661.25	\$165,991.88	\$77.66	\$116.49	586414
6	TBD	PROG	Central	C	PEND	287-522 BLODGET ST, MNC	OAK ST	HALL ST	287-522	4	Iron	41	LP	6	1645	0	1645	0	0	24	24		\$202,335.00	\$19,200.00	\$221,535.00	\$332,302.50	\$134.67	\$202.01	627617
7	TBD	PROG	Central	C	PEND	25-174 CONCORD ST, MNC	ELM ST	UNION ST	25-174	6	Iron	1925	LP	8	1505	0	1505	0	0	7	7		\$185,115.00	\$5,600.00	\$190,715.00	\$286,072.50	\$126.72	\$190.08	642255
8	TBD	PROG	North	CCD	PEND	1-56 LONGMEADOW DR, CCD	HALL ST	HAZEL DR	1-56	2	Steel	1967	60	2	1490	0	1490	0	0	20	20		\$183,270.00	\$16,000.00	\$199,270.00	\$298,905.00	\$133.74	\$200.61	641882
9	TBD	PROG	Central	C	PEND	24-67 TRENTON ST, MNC, CHESTNUT ST & N BAY ST	LEXINGTON AV	N ADAMS ST	24-67	4	Iron	1927/1928	LP	6	1315	0	1315	0	0	16	16		\$161,745.00	\$12,800.00	\$174,545.00	\$261,817.50	\$132.73	\$199.10	628880
10	TBD	PROG	North	CCD	PEND	128-160 BROADWAY, CCD	BROAD AV	WIGGIN ST	128-160	6	Iron	1931	LP	8	1200	0	1200	0	0	11	11		\$147,600.00	\$8,800.00	\$156,400.00	\$234,600.00	\$130.33	\$195.50	628730
11	TBD	PROG	North	FKN	PEND	16-82 THOMPSON PK, FKN	VICTORY DR		16-82	2	Steel	1932	60	2	1060	0	1060	0	0	12	12		\$112,360.00	\$9,600.00	\$121,960.00	\$182,940.00	\$115.06	\$172.58	641896
12	TBD	PROG	North	CCD	PEND	46-95 FRANKLIN ST, CCD	RUMFORD ST	LIBERTY ST	46-95	4	Steel	1955	60	4	1025	0	1025	0	0	12	12		\$108,650.00	\$9,600.00	\$118,250.00	\$177,375.00	\$115.37	\$173.05	641874
13	TBD	PROG	North	FKN	PEND	2-69 CHENEY ST, FKN	W BOW ST	VICTORY DR	2-69	2	Steel	1931	60	4	930	0	930	0	0	7	7		\$98,580.00	\$5,600.00	\$104,180.00	\$156,270.00	\$112.02	\$168.03	641885
14	TBD	PROG	North	CCD	PEND	1-20 CHERRY ST, CCD	AIRPORT RD	MARION ST	1-20	2	Steel	1959	60	2	875	0	875	0	0	13	13		\$92,750.00	\$10,400.00	\$103,150.00	\$154,725.00	\$117.89	\$176.83	641872
15	TBD	PROG	North	CCD	PEND	125-166 RUMFORD ST, CCD, & WYMAN ST	ALBIN ST	CHURCH ST	125-166	8	Iron	1935/1967	LP	6 & 8	800	0	800	0	0	11	11		\$98,400.00	\$8,800.00	\$107,200.00	\$160,800.00	\$134.00	\$201.00	628738
16	TBD	PROG	Central	C	PEND	7-73 MIRROR ST, MNC, & 217-220 HARRISON ST	RUSSELL ST	BLODGET ST	7-73	4	Iron	1915/1928	LP	6	650	0	650	0	0	13	13		\$79,950.00	\$10,400.00	\$90,350.00	\$135,525.00	\$139.00	\$208.50	628867
17	TBD	PROG	Central	C	PEND	323-353 CENTRAL ST, MNC	MAPLE ST	LINCOLN ST	323-353	4	Iron	1915	LP	4	450	0	450	0	0	12	12		\$55,350.00	\$9,600.00	\$64,950.00	\$97,425.00	\$144.33	\$216.50	642220
18	TBD	PROG	Central	C	PEND	82-140 THIRD ST, MNC	WALKER ST		82-140	4	Iron	1899/1908	LP	6	425	0	425	0	0	9	9		\$52,275.00	\$7,200.00	\$59,475.00	\$89,212.50	\$139.94	\$209.91	642288
19	TBD	PROG	Central	C	PEND	421-492 CEDAR ST, MNC	LINCOLN ST		421-492	1	Steel	1967	60	2	405	0	405	0	0	11	11		\$42,930.00	\$8,800.00	\$51,730.00	\$77,595.00	\$127.73	\$191.59	641903
20	TBD	PROG	North	FKN	PEND	20-23 PROCTOR AV, FKN	PEARL ST	CHESTNUT ST	20-23	2	Steel	1900	60	2	365	0	365	0	0	3	3		\$38,690.00	\$2,400.00	\$41,090.00	\$61,635.00	\$112.58	\$168.86	641895
21	TBD	PROG	South	HUD	PEND	9-15 NOTTINGHAM ST, HUD	HIGHLAND ST		9-15	1.25	Steel	1959/1962	60	2	350	0	350	0	0	6	6		\$37,100.00	\$4,800.00	\$41,900.00	\$62,850.00	\$119.71	\$179.57	641898
22	TBD	PROG	North	FKN	PEND	11-26 FOREST ST, FKN	E BOW ST		11-26	2	Steel	1931	60	2	300	0	300	0	0	4	4		\$31,800.00	\$3,200.00	\$35,000.00	\$52,500.00	\$116.67	\$175.00	641894
23	TBD	PROG	Central	C	PEND	S WILLOW ST, MNC, Bridge Xing	STATE HWY 101			6	Steel	1952	60	8	270	0	270	0	0	0	0		\$28,620.00	\$0.00	\$28,620.00	\$42,930.00	\$106.00	\$159.00	641931
24	TBD	PROG	North	CCD	PEND	2-7 CORNELL ST, CCD	CLINTON ST		2-7	2	Steel	1955	60	2	235	0	235	0	0	4	4		\$24,910.00	\$3,200.00	\$28,110.00	\$42,165.00	\$119.62	\$179.43	641873
25	TBD	PROG	Central	C	PEND	226 SECOND ST, MNC, in railroad ROW	BLAINE ST	F E EVERETT TPKE	226	6	Steel	1900	60	6	175	0	175	0	0	1	1		\$18,550.00	\$800.00	\$19,350.00	\$29,025.00	\$110.57	\$165.86	641945
26	TBD	PROG	North	FKN	PEND	25-28 DEPOT ST, FKN			25-28	2	Steel	1931	60	2	165	0	165	0	0	1	1		\$17,490.00	\$800.00	\$18,290.00	\$27,435.00	\$110.85	\$166.27	641892
27	TBD	RNMC	South	NAS	PEND	2-4 FOURTH ST, NAS	LEDGE ST	N GROTON ST	2-4	2	Steel	1926	LP	4	160	0	160	0	0	3	3		\$16,960.00	\$2,400.00	\$19,360.00	\$29,040.00	\$121.00	\$181.50	642294
28	TBD	PROG	North	FKN	PEND	DEARBORN ST, FKN	CENTRAL ST			2	Steel	1931	60	2	80	0	80	0	0	0	0		\$8,480.00	\$0.00	\$8,480.00	\$12,720.00	\$106.00	\$159.00	641888
Grand Totals															21460	0	21460	5	23	257	285		\$2,300,680.28	\$247,492.81	\$2,548,182.09	\$3,822,273.14			
															4.06	0.00	4.06												



		Town:		nationalgrid		Main Leak History		1/8/2009 10:28:09AM	
		Street Name:		BROADWAY					
St Number	Cornr Street Name	Leak No.	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source Units
	WOOD AV	23301	1	Broken Main	Natural Force	4.000	Clamped	07/29/2002	2 1
	WOOD AV	239037	1	Broken Main	Natural Force	4.000	Clamped	12/13/2002	1 1
67	CARTER ST	265037	1	Broken Main	Other	6.000		09/03/2004	1 1
Total Leak History for BROADWAY IS 3									



Report Name: lms006_lkmainhist.rpt

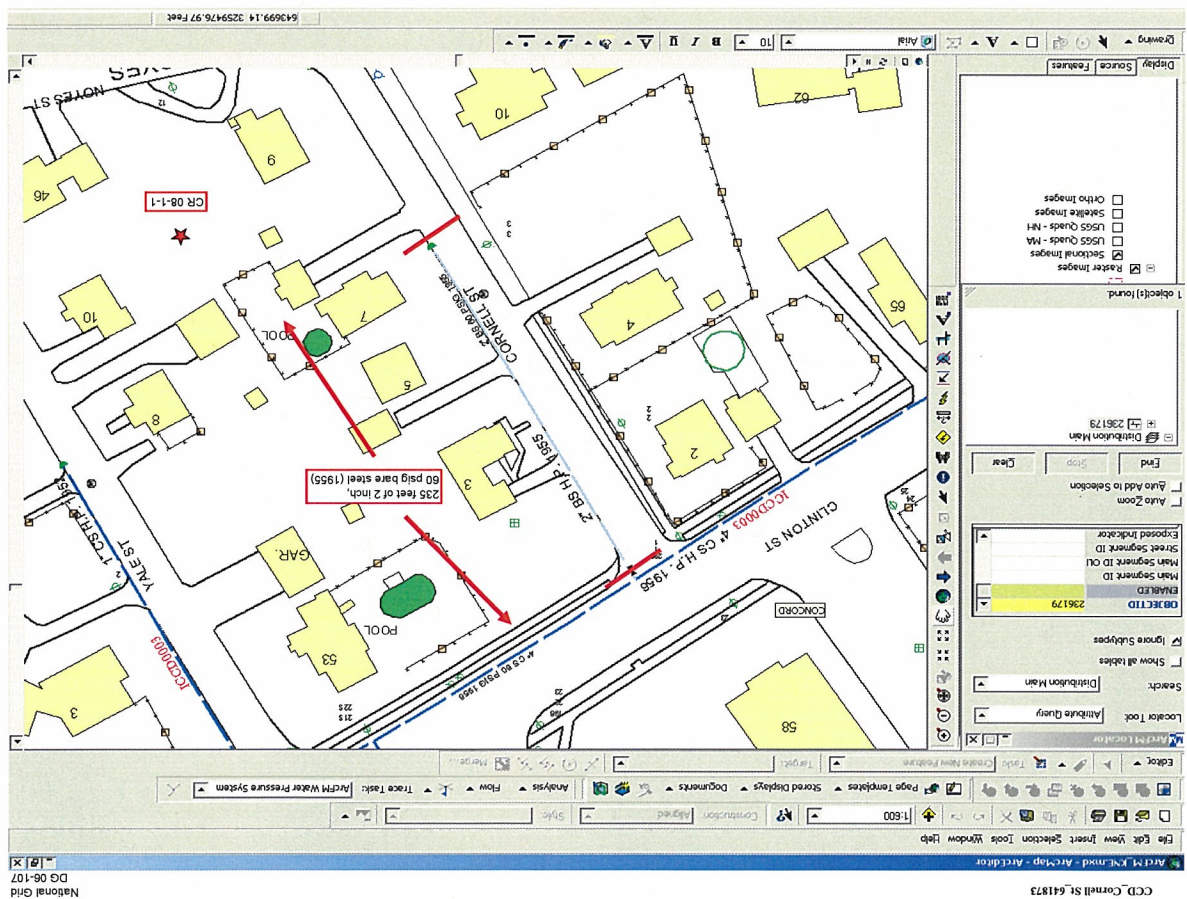
nationalgrid
Main Leak History

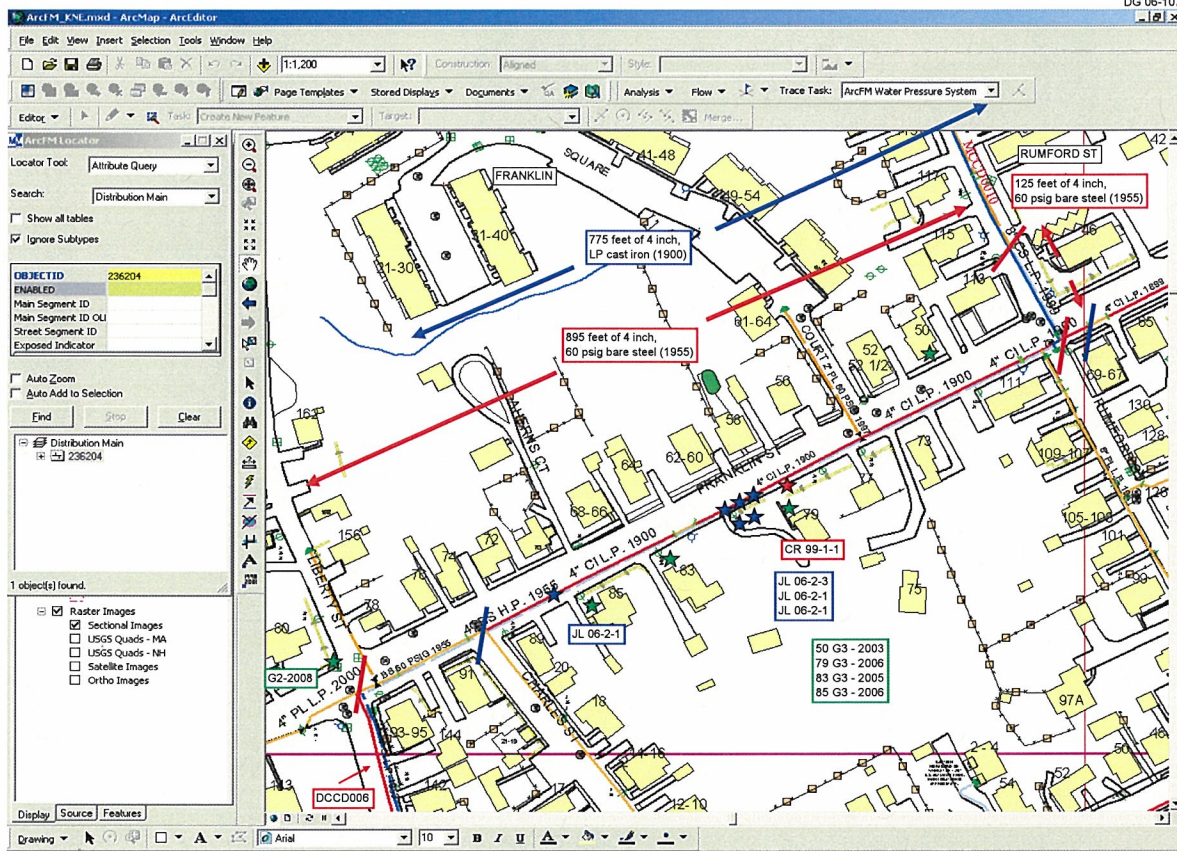
Town: CCD
Street Name: CHERRY ST

St Number	Corner Street Name	Leak No.	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
18	MARTON ST	308889	1	Gate/Valve	Other	2.000	Repaired Fitting	03/06/2008	1	1

Total Leak History for CHERRY ST IS 1

File: lms006_lkmainhist Version: 04/23/2008 (Crystal Reports XI) Page 35 of 220





Report Name: lms006_lkmainhist.rpt

72 / 220 81%

Back To Selection Close

Preview

CONCORD ST
COUNTRY CLUB LN
COURT ST
CRANMORE RIDGE DR
CURTICE AV
CURTISVILLE RD S
DEPOT ST
DNE
DOLAN ST
DONOVAN ST
DOVER ST
DOWNING ST
DUNBARTON RD
DUNKLEE ST
DUNKLEE ST
EAST SIDE DR
EDGEMONT ST
ELM ST
ENGEL ST
ESSEX ST
FAYETTE ST
FELLOWS ST
FERRY ST
FIRST ST
FISHER ST
FISHERVILLE RD
FOREST ST
FORT EDDY RD
FRANKLIN ST
FRUIT ST N
FRUIT ST S
GALLEN DR
GARDEN ST
GARRISON ST
GAS ST
GLADSTONE ST
GLENDALE RD
GOVERNER'S WY
GRANT ST
GREELEY ST
GREEN ST
GROVE ST

nationalgrid
Main Leak History

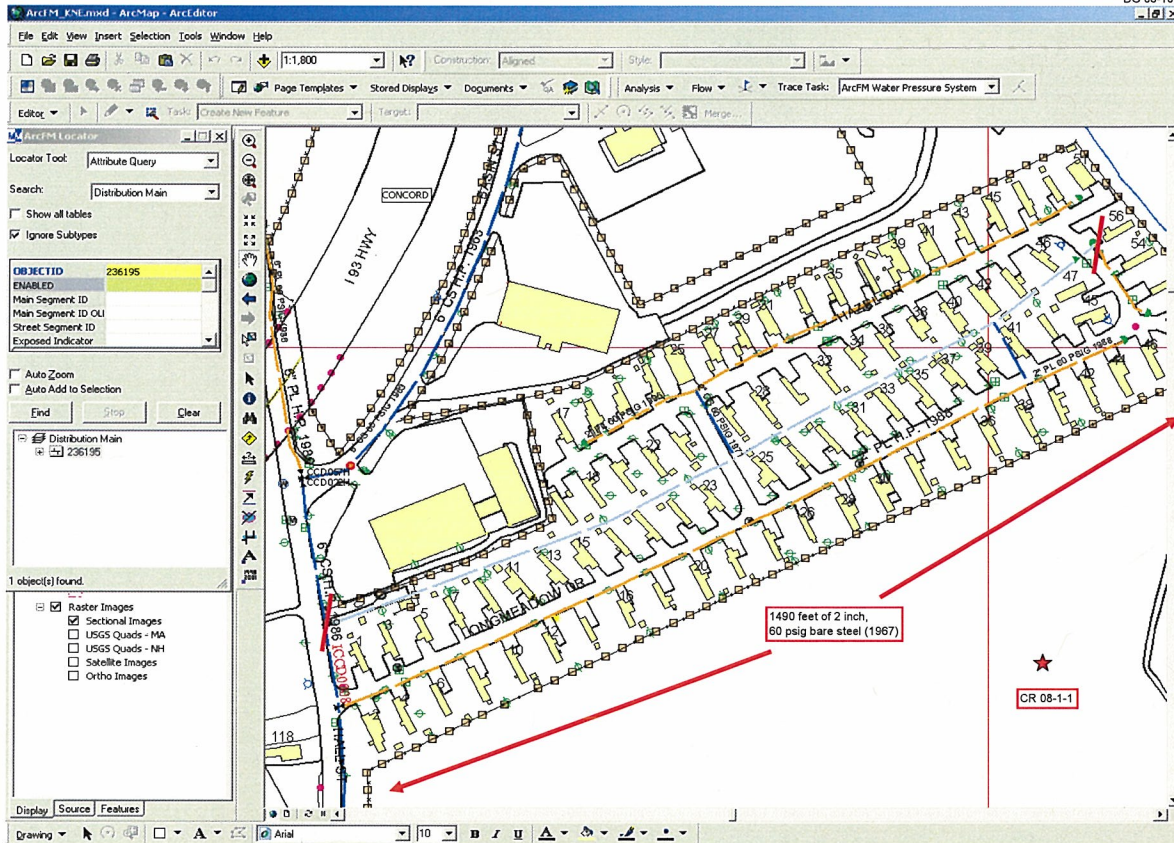
8/11/2008 9:35:09AM

Town: CCD
Street Name: FRANKLIN ST

St Number	Corner Street Name	Leak No.	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
	RUMFORD ST	206583	0	Joint	Other	4.000	Sealed	08/12/1991	4	1
		209353	0	Gate/Valve	Other	4.000	Grease Gate Valve	05/04/1989	4	1
101		209284	0	Leaking Pipe	Natural Force	4.000	Clamped	01/29/1991	4	1
117		208998	0	Leaking Pipe	Natural Force	4.000	Clamped	02/02/1987	1	1
21	N STATE ST	209333	1	Broken Main	Other	4.000	Clamped	03/05/2007	1	1
25	BRADLEY ST	208361	1	Broken Main	Other	4.000		03/17/2006	3	1
27	BRADLEY ST	209297	1	Broken Main	Other	4.000		12/15/2004	3	1
27	BRADLEY ST	283041	1	Broken Main	Other	4.000		01/04/2006	1	1
37		243010	1	Broken Main	Other	4.000	Clamped	03/11/2003	3	1
51		243303	1	Broken Main	Natural Force	4.000	Clamped	03/18/2003	3	1
57	LYNDON ST	271262	1	Joint	Other	4.000		02/03/2005	3	1
58		294421	2	Joint	Other	4.000	Anaerobic Sealant	10/27/2006	1	1
58		295660	2	Joint	Other	4.000	Anaerobic Sealant	12/11/2006	7	1
0		209347	0	Joint	Other	2.000	Plastic Relay/Insert	06/14/1989	11	1
60		209282	2	Joint	Other	4.000		07/11/2006	5	3
65		204628	0	Joint	Natural Force		Clamped	11/04/1991	4	1
70		202866	2	Joint	Other	4.000	Anaerobic Sealant	10/27/2006	9	1
70		204421	1	Leaking Pipe	Natural Force	4.000	Other Repair Made	12/14/1999	1	1
91		206012	0	Joint	Other	4.000	Clamped	01/31/1997	4	1
93		206388	0	Joint	Other	4.000	Clamped	01/31/1997	4	1
98		200263	2	Joint	Other	4.000		07/11/2006	5	2
98		200263	2	Joint	Other	4.000		07/11/2006	5	2

Total Leak History for FRANKLIN ST IS 21

File: lms006_lkmainhist Version: 04/23/2008 (Crystal Reports XI) Page 72 of 220



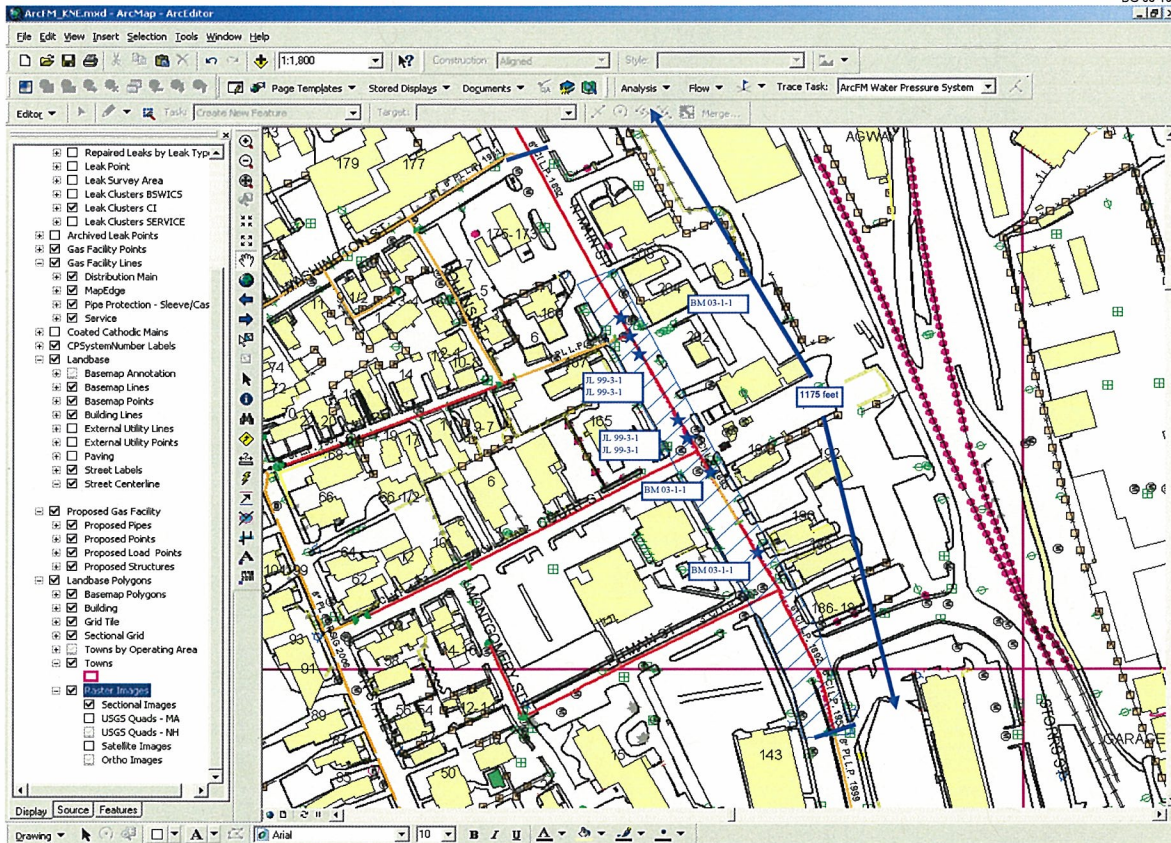
Report Name: lms006_ikmainhist.rpt

Back To Selection Close

Preview 09 / 220 100%

nationalgrid									
Main Leak History									
1/7/2009 12:40:56PM									
Town: CCD									
Street Name: HAZEL DR									
St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source Units
25		207811	0	Fitting	Natural Force	4.000	Cut Off	02/17/1999	4 1
26	LONG MEADOW DR	298028	1	Joint	Mall or Weld Failure	3.000	Anaerobic Sealant	12/18/2006	1 1
Total Leak History for HAZEL DR: 2									

File: lms006_ikmainhist Version: 04/23/2008 (Crystal Reports XI) Page 69 of 22C



Report Name: lms006_ikmainhist.rpt

Back To Selection Close

Preview

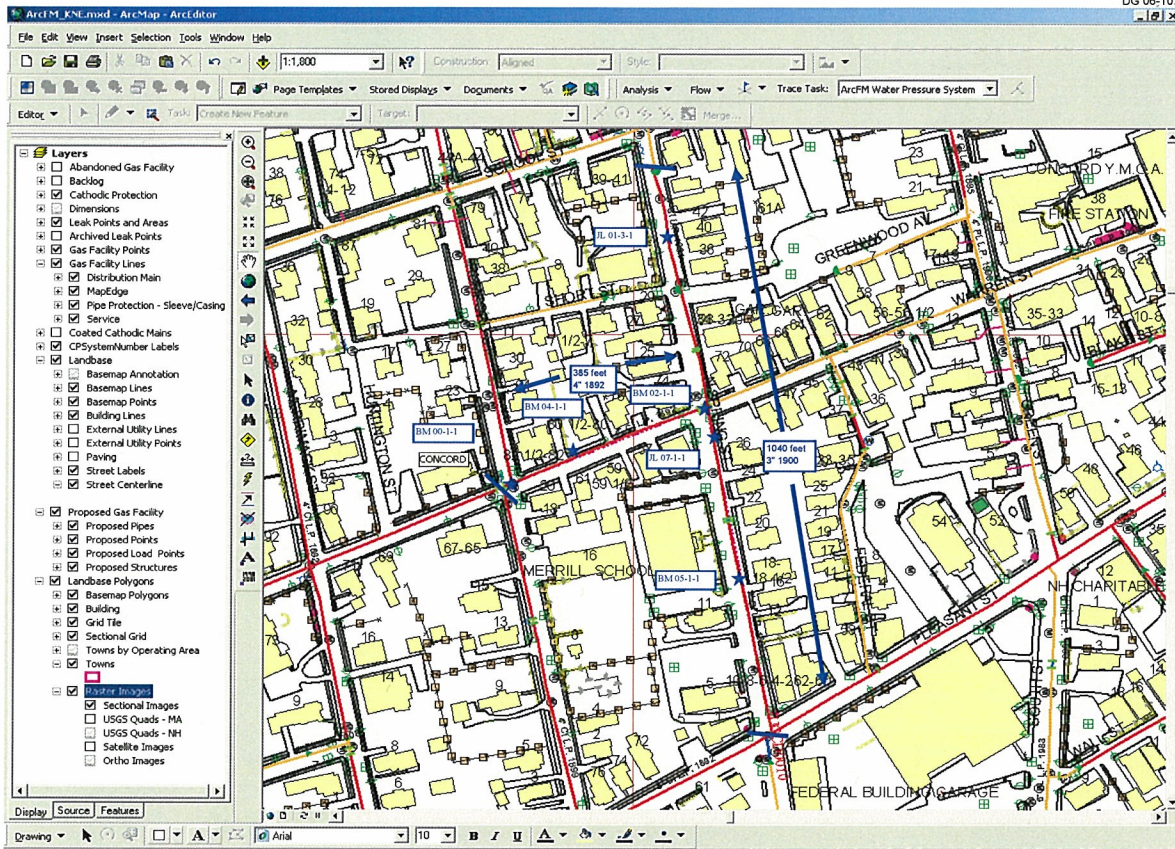
121 / 220 100%

nationalgrid 1/8/2009 10:28:09AM

Town: CCD
Street Name: N MAIN ST

St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Required Dat	Source	Units
		204668	0	Joint	Other		Other Repair Made	11/07/1995	11	1
		204670	0	Joint	Other	8.000	Other Repair Made	11/19/1996	4	1
		204671	0	Joint	Other	4.000	Clamped	03/12/1996		
		204674	0	Joint	Other	8.000	Other Repair Made	11/07/1996	4	1
		206580	0	Joint	Other	8.000	Sealed	08/13/1991	11	1
		206608	0	Joint	Other	6.000	Sealed	09/27/1991		
		206609	0	Joint	Other	6.000	Sealed	09/30/1991	1	1
		206611	0	Joint	Other	6.000	Sealed	09/24/1991	1	1
		206612	0	Joint	Other	6.000	Sealed	10/01/1991		
		206616	0	Joint	Other	6.000	Sealed	09/27/1991	1	1
		206617	0	Joint	Other	6.000	Sealed	09/30/1991	1	1
		206618	0	Joint	Other	6.000	Sealed	10/01/1991	1	1
		206619	0	Joint	Other	6.000	Sealed	10/02/1991	1	1
		206621	0	Joint	Other	6.000	Sealed	10/03/1991	1	1
		206622	0	Joint	Other	6.000	Sealed	09/23/1991	1	1
	S MAIN ST	206973	0	Other	Other	8.000	Other Repair Made	03/03/1992	4	1
	S MAIN ST	206993	0	Joint	Other	8.000	Other Repair Made	05/21/1992	4	1
		207687	0	Joint	Other	6.000	Sealed	09/17/1990	11	1
		207693	0	Leaking Pipe	Matl or Weld Failure	6.000	Clamped	08/20/1990	11	1
	COURT ST	207790	0	Leaking Pipe	Matl or Weld Failure	6.000	Plastic Relay/Insert	12/27/1988	4	1
		204682	0	Joint	Other	8.000	Other Repair Made	10/30/1995	8	1
114		238410	1			8.000	Other Repair Made	12/03/2002	1	0
15		203114	3	Joint	Other	6.000	Other Repair Made	07/14/1999	4	1
163		203115	3	Joint	Other	6.000	Other Repair Made	07/28/1999	4	1
163		314103	2	Joint	Natural Force	3.000	Anaerobic Sealant	09/15/2008	6	1
163	COURT ST	203110	3	Joint	Other	6.000	Other Repair Made	07/19/1999	4	1
167		203111	3	Joint	Other	6.000	Other Repair Made	07/20/1999	4	1
167		203113	3	Joint	Other	6.000	Other Repair Made	07/21/1999	4	1
172		260743	1	Joint	Other	12.000		06/03/2004	1	1
18	DEPOT ST	206571	0	Leaking Pipe	Natural Force	6.000	Clamped	08/07/1991	11	1
185		242223	1	Broken Main	Natural Force	6.000	Clamped	02/20/2003	3	1
190		242878	1	Broken Main	Natural Force	6.000	Clamped	03/07/2003	3	1
194	COURT ST									

File: lms006_ikmainhist Version: 04/23/2008 (Crystal Reports XI) Page 121 of 221



183 / 220 100% Back To Selection Close

Preview

METALAK DR
MILL ST
MONROE ST
MOORELAND AV
NASTURTIUM TER
NIVELLE ST
NORTH ST
NOYES ST
OLD DOWNING ST
OLD DUNBARTON RD
OLD HOPKINTON RD
ORCHARD ST
PALM ST
PARK ST
PEABODY ST
PENACOCK ST
PERKINS ST
PERLEY ST
PERRY AV
PILLSBURY ST
PINE ST
PITMAN ST
PLEASANT ST
PLEASANT ST EXT
PLEASANT VIEW AV
PLUM ST
PORTSMOUTH ST
PRESCOOT ST
REDINGTON RD
REDWOOD AV
REGIONAL DR
RIDGE RD
ROCKINGHAM ST
ROGER AV
ROOSEVELT AV
RTE 106
RUM HILL RD
RUMFORD ST
RUSSELL ST
S. STATE @ DOWNING
SANBORN RD
SCHOOL ST
SEWALLS FALLS RD
SHAKER RD
SHEEP DAVIS RD
SIDE DR E
SOUTH ST
SPRING ST S
SPRINGFIELD ST
STATE ST N
STATE ST S
STORRS ST
SUMMIT ST
TAHANITO ST
TENNEY ST
THOMPSON ST
THORNDIKE ST

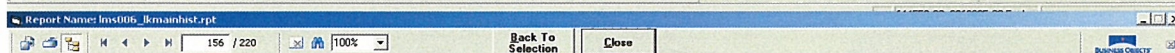
nationalgrid
Main Leak History
1/8/2009 10:28:09AM

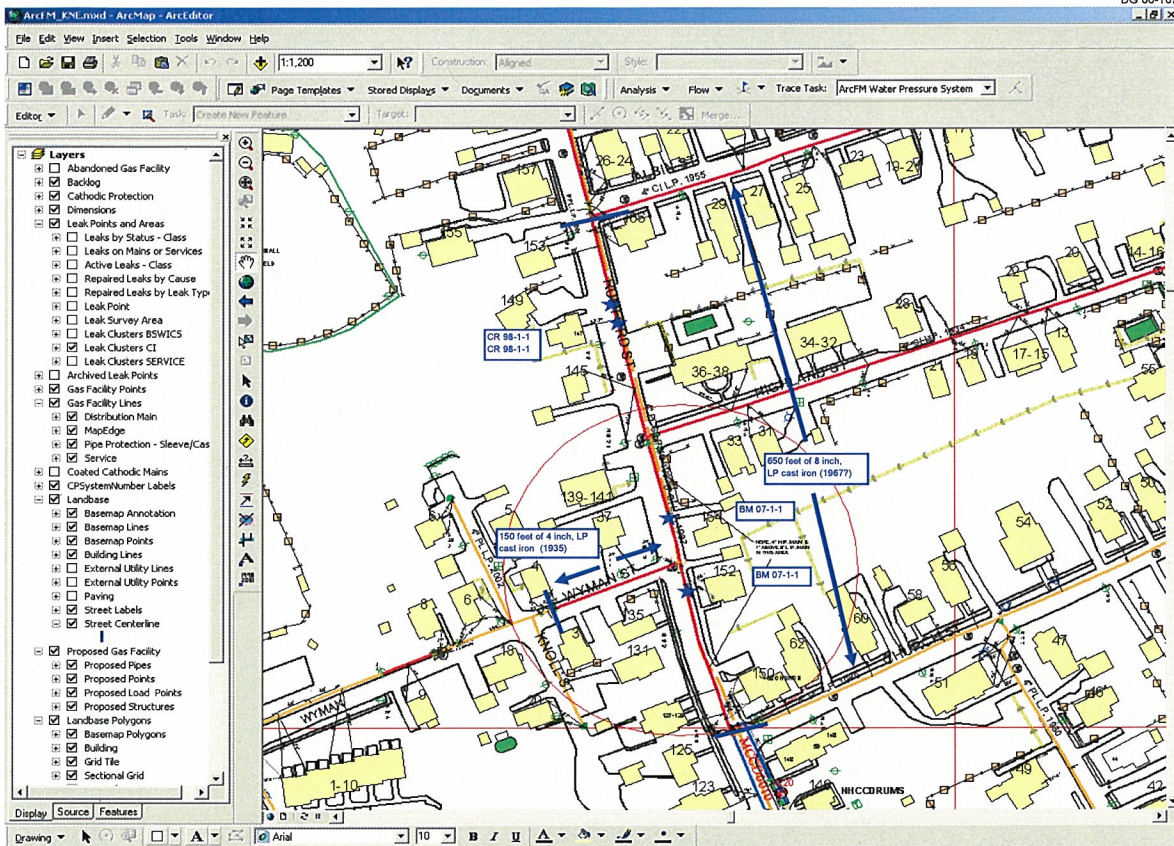
Town: CCD
Street Name: N SPRING ST

St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
	CAMBRIDGE ST	207212	0	Joint	Other	4.000	Other Repair Made	08/12/1994	11	1
	WARREN ST	207792	0	Joint	Matt or Weld Failure	3.000	Clamped	12/30/1988	4	1
		209938	0	Joint	Other	3.000	Other Repair Made	07/21/1992	4	1
	WARREN ST	226118	1	Broken Main	Natural Force	3.000	Clamped	01/28/2002	1	1
0		269332	2	Joint	Other	4.000		12/17/2004	2	3
0		269332	2	Joint	Other	4.000		12/17/2004	2	3
0		269332	2	Joint	Other	4.000		12/17/2004	2	1
18		271147	1	Broken Main	Other	3.000		02/01/2005	2	2
18		271147	1	Broken Main	Other	3.000		02/01/2005	2	1
	WARREN ST	298155	1	Joint	Other	3.000		02/28/2007	3	1
40		216441	3	Joint	Matt or Weld Failure	3.000	Sealed	05/16/2001	2	1
44		201454	0	Joint	Matt or Weld Failure	3.000	Other Repair Made	02/23/1996	4	1
44		204764	0	Fitting	Other	3.000	Plastic Relay/Insert	12/10/1991	4	1
44		206603	0	Joint	Other	3.000	Sealed	10/11/1991	4	1
44		206640	0	Joint	Natural Force	3.000	Clamped	11/07/1991	4	1
44		206641	0	Fitting	Other	3.000	Plastic Relay/Insert	12/10/1991	4	1
44		209332	0	Joint	Other	3.000	Clamped	01/17/1990	4	1
79		206127	0	Other	Other	4.000	Other Repair Made	01/23/1990	4	1
88		230307	2	Joint	Other	4.000	Anaerobic Sealant	05/24/2002	1	2

Total Leak History for N SPRING ST IS 16

File: lms006_ikmainhist Version: 04/23/2008 (Crystal Reports XI) Page 183 of 221

[illegible]



Report Name: lms006_ikmainhist.rpt

171 / 220

Back To Selection Close

Preview

MERRIMACK ST
METALAK DR
MILL ST
MONROE ST
MOORELAND AV
NASTURTIUM TER
NIVELLE ST
NORTH ST
NOYES ST
OLD DOWNING ST
OLD DUNBARTON RD
OLD HOPKINTON RD
ORCHARD ST
PALM ST
PARK ST
PEABODY ST
PENACOOK ST
PERKINS ST
PERLEY ST
PERRY AV
PILLSBURY ST
PINE ST
PITMAN ST
PLEASANT ST
PLEASANT ST EXT
PLEASANT VIEW AV
PLUM ST
PORTSMOUTH ST
PRESCOTT ST
REDINGTON RD
REDWOOD AV
REGIONAL DR
RIDGE RD
ROCKINGHAM ST
ROGER AV
ROOSEVELT AV
RTE 106
RUM HILL RD
RUMFORD ST
RUSSELL ST
S. STATE @ DOWNING
SANDORRN RD
SCHOOL ST
SEWALLS FALLS RD
SHAKER RD
SHEEP DAVIS RD
SIDE DR E
SOUTH ST
SPRING ST N
SPRING ST S
SPRINGFIELD ST
STATE ST N
STATE ST S
STORRS ST
SUMMER ST
SUMMIT ST
TAVANITO ST
TENNEY ST
THOMPSON ST

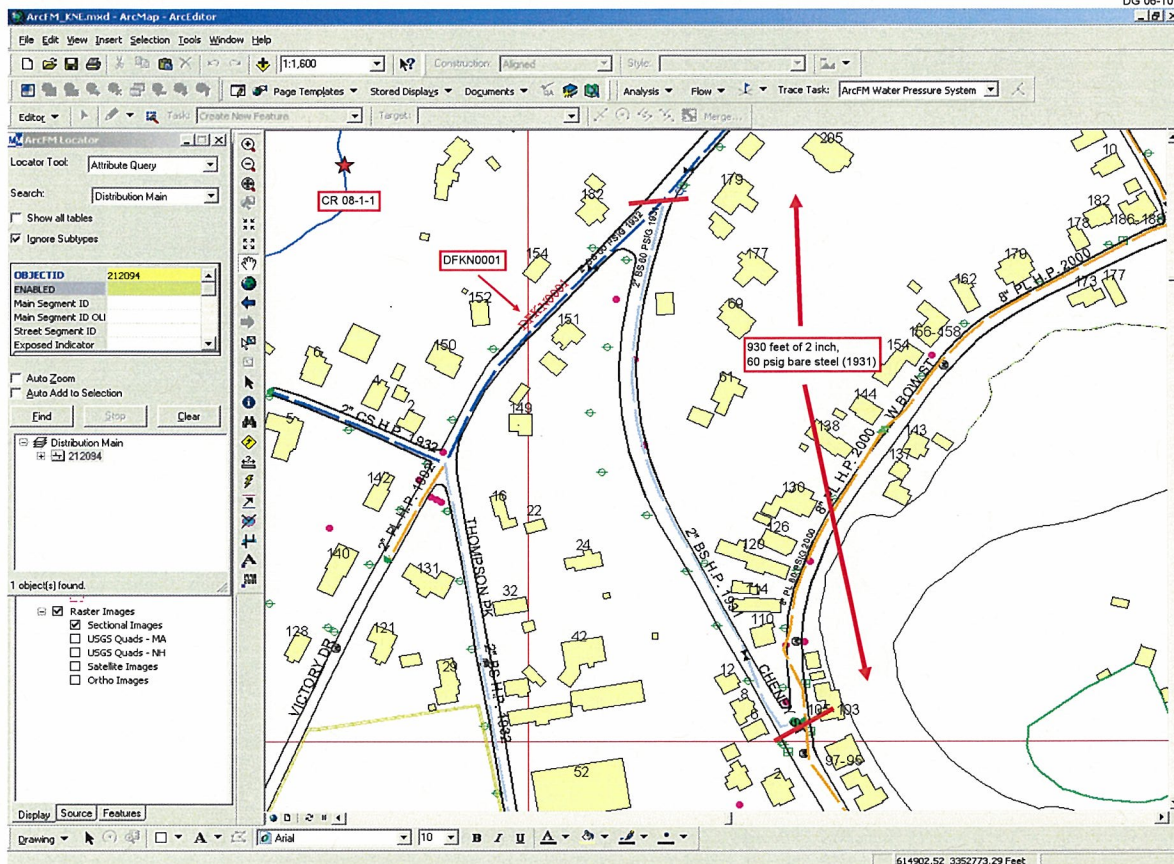
nationalgrid
Main Leak History

1/8/2009 10:28:09 AM

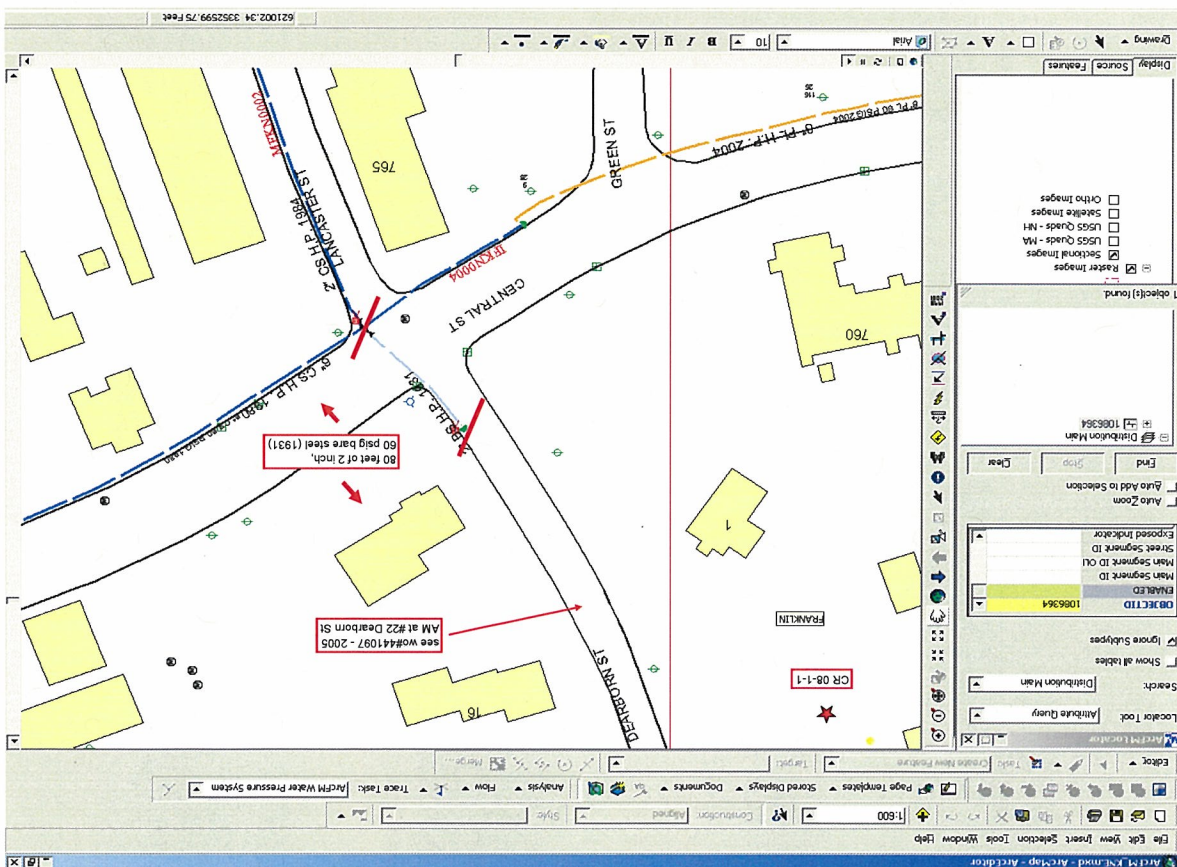
Town: CCD
Street Name: RUMFORD ST

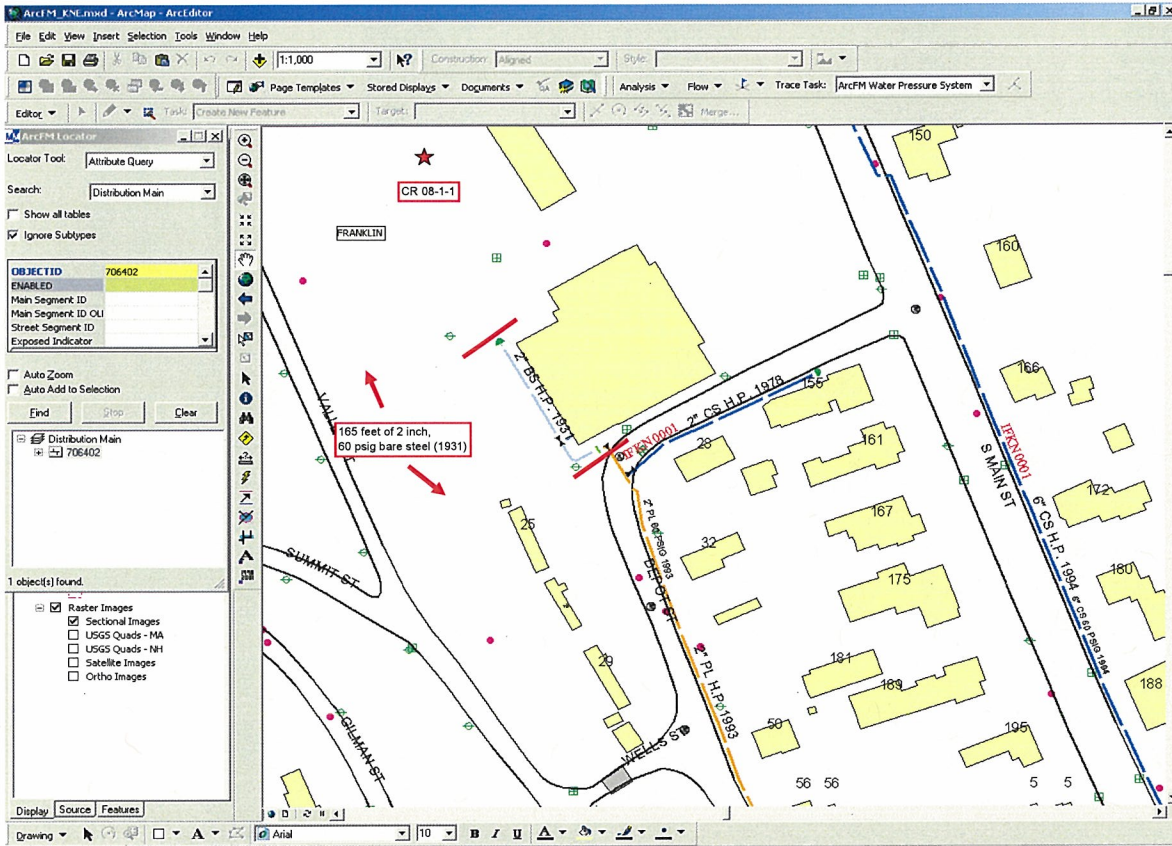
St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
		204826	0	Joint	Other		Other Repair Made	05/28/1996	11	1
		204828	0	Gate/Valve	Other	4.000	Other Repair Made	11/16/1995	4	1
		204829	0	Joint	Other	4.000	Other Repair Made	11/13/1996	4	1
		205985	0	Leaking Pipe	Natural Force	8.000	Clamped	11/17/1995	1	1
		206380	0	Joint	Other	4.000	Other Repair Made	11/13/1996	4	1
	FRANKLIN ST	206531	0	Joint	Other	4.000	Sealed	07/03/1991	1	1
		206652	0	Joint	Other	4.000	Clamped	11/01/1991	4	1
		207118	0	Joint	Other	4.000	Clamped	05/18/1987	11	1
		207208	0	Joint	Other	4.000	Other Repair Made	08/04/1994	11	1
		209337	0	Gate/Valve	Natural Force	4.000	Plastic Relay/Insert	02/02/1989	4	1
		209338	0	Gate/Valve	Other	4.000	Grease Gate Valve	02/01/1989	1	1
		209361	0	Joint	Other	4.000	Sealed	06/27/1999	11	1
		209388	0	Leaking Pipe	Excavation	4.000	Plastic Relay/Insert	09/13/1989	10	1
		209493	0	Joint	Other	3.000	Sealed	01/19/1990	4	1
	CHURCH ST	224334	3	Gate/Valve	Other	4.000	Grease Gate Valve	11/26/2001	2	1
		253715	1			4.000		11/20/2003	1	2
	0 PENACOOK ST	285964	1	Broken Main	Natural Force	6.000		03/03/2006	3	1
127	CHURCH ST	239882	3	Gate/Valve	Other	4.000	Grease Gate Valve	04/16/2003	1	1
135	WYMAN ST	306751	1	Broken Main	Other	8.000	Clamped	12/16/2007	2	1
149		203849	0	Leaking Pipe	Natural Force	8.000	Other Repair Made	11/09/1998	1	1
149		203957	0	Leaking Pipe	Other	8.000	Other Repair Made	11/09/1998	10	1
149		203978	0	Leaking Pipe	Excavation	4.000	Other Repair Made	12/07/1998	4	1
15		206999	0	Joint	Other	4.000	Other Repair Made	07/17/1992	11	1
152	WYMAN ST	297790	1	Broken Main	Other	8.000	Clamped	02/18/2007	1	1
16		251291	1	Joint	Other	4.000	Anaerobic Sealant	09/24/2003	1	1
166		207508	0	Joint	Other	6.000	Sealed	02/22/1988	11	1
174		229088	2	Drip	Other	6.000	Cut Off	05/31/2002	1	1
24		206335	0	Joint	Equipment	4.000	Sealed	01/04/1991	4	1
24		209550	0	Joint	Natural Force	4.000	Clamped	01/21/1991	4	1
34	SHORT ST	286287	1	Joint	Other	4.000		03/14/2008	1	1
38		216445	2	Joint	Natural Force	4.000	Sealed	05/09/2001	2	1
38	SHORT ST	292725	1	Joint	Other	4.000		09/20/2006	3	1

File: lms006_ikmainhist Version: 04/23/2008 (Crystal Reports XI) Page 171 of 220



NO LEAK REPORTS





Report Name: lms006_ikmainhist.rpt

Back To Selection Close

Preview

FKN

BOW ST E
BOW ST W
CENTRAL
CENTRAL ST
CHURCH ST
DANIEL WEBSTER DR
DEPOT ST
ELKINS ST
ELM AV
FRANKLIN ST
GERRISH ST
HIGH ST W
MAIN ST N
OAK ST
PEARBODY PL
PEMIGEWASSET ST
PINE ST
PROCTOR ST
PROSPECT ST
RIVER RD
RIVER ST
ROWELL DR
RTE 11
SANBORN ST
SCHOOL ST
TERRACE RD
WINNIPESAUKEE ST
WOODRIDGE AV

nationalgrid
Main Leak History

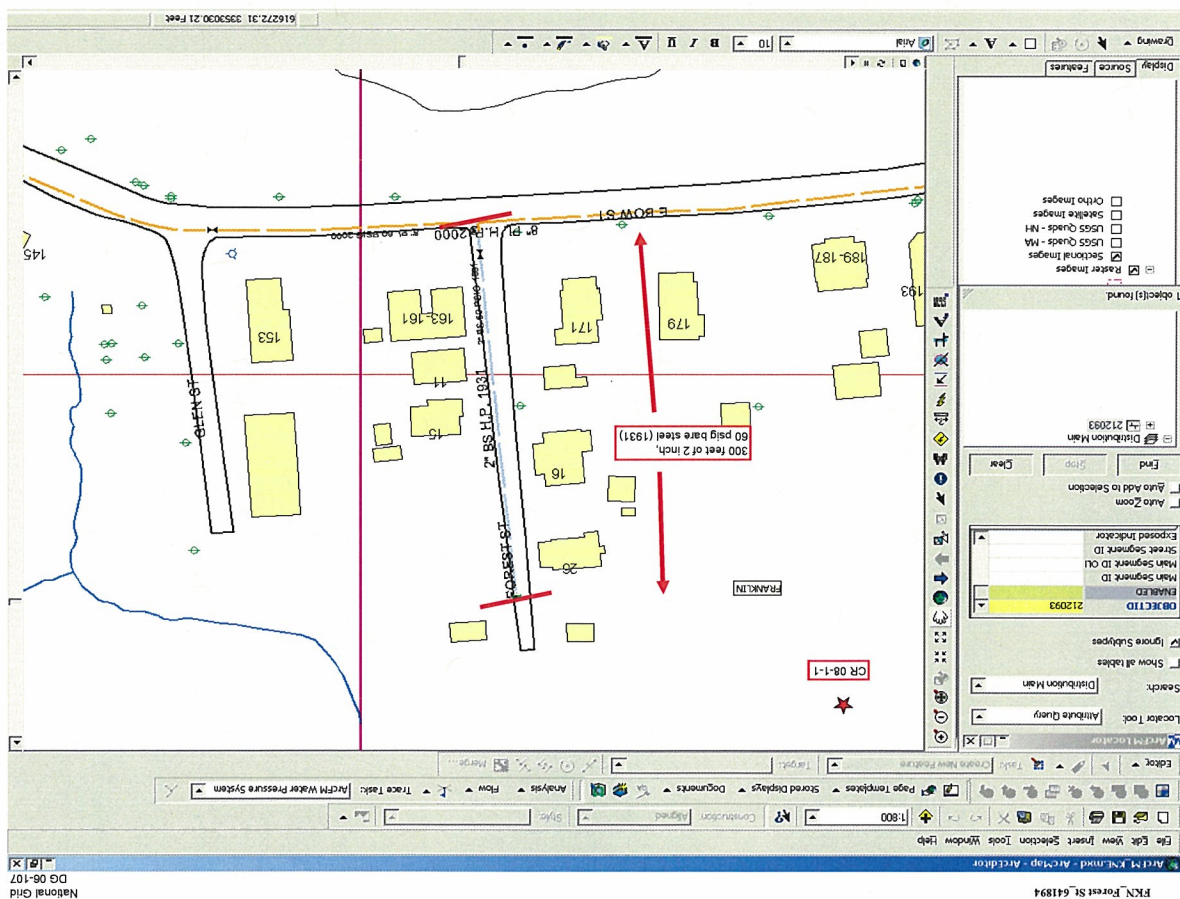
1/7/2009 2:19:09PM

Town: FKN
Street Name: DEPOT ST

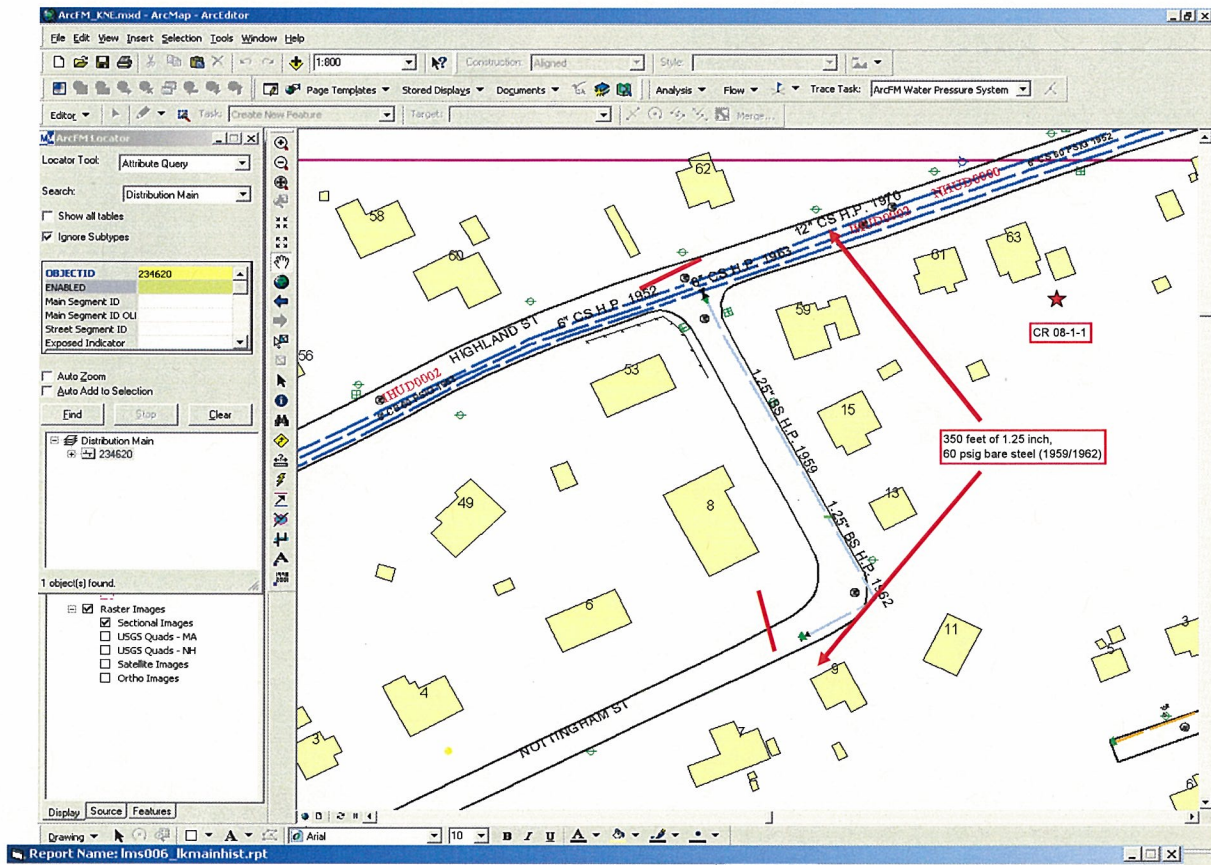
St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
	S MAIN ST	209248	0	Leaking Pipe	Corrosion	2.000	Clamped	01/06/1989	4	1
	S MAIN ST	209256	0	Leaking Pipe	Corrosion	2.000	Clamped	02/03/1989	4	1
32		208721	0	Joint	Corrosion	2.000	Clamped	12/30/1992	4	1
32		207287	0	Leaking Pipe	Corrosion	2.000	Clamped	07/08/1992	11	1

===== Total Leak History for DEPOT ST IS =====

File: lms006_ikmainhist Version: 04/23/2008 (Crystal Reports XI) Page 7 of 26



234620



Report Name: lms006_lkmainhist.rpt

Back To Selection Close

nationalgrid
Main Leak History

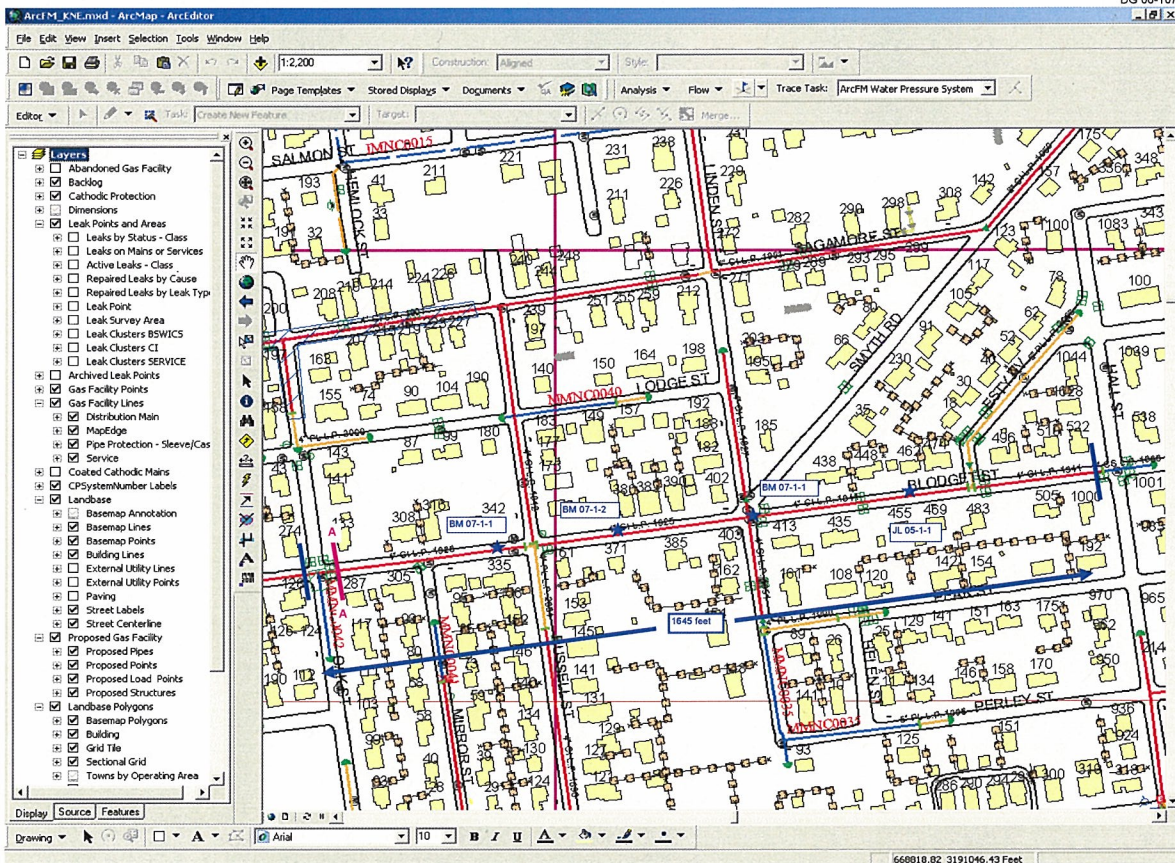
8/11/2008 10:31:18AM

Town: HUD
Street Name: NOTTINGHAM ST

St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
11		203765	0	Leaking Pipe	Excavation	1.250	Plastic Relay/insert	07/13/1997	1	1

Total Leak History for NOTTINGHAM ST IS 1

File: lms006_lkmainhist Version: 04/23/2008 (Crystal Reports XI) Page 87 of 138



nationalgrid
Main Leak History

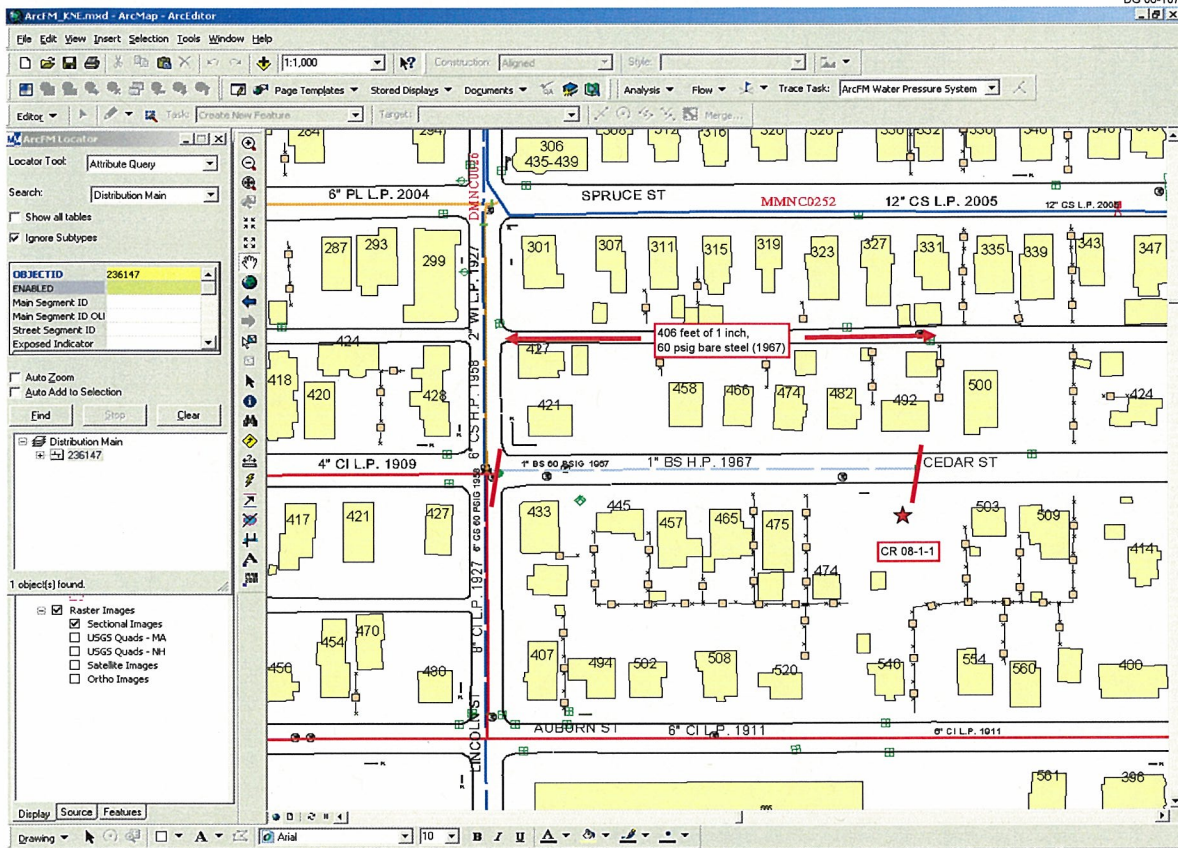
9/23/2008 1:15:09PM

Town: MNC
Street Name: BLODGETT ST

St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
		202720	1	Leaking Pipe	Natural Force	3.000	Other Repair Made	01/23/2000	4	1
		204933	1	Leaking Pipe	Natural Force	3.000	Other Repair Made	02/04/2000	4	1
151	WALNUT ST	270813	1	Joint	Other	4.000		01/13/2005	2	2
151	WALNUT ST	270813	1	Joint	Other	4.000		01/13/2005	2	1
156		270146	1	Joint	Natural Force	4.000		01/03/2005	3	1
156		270146	1	Joint	Natural Force	4.000		01/03/2005	3	1
156		270449	1	Joint	Natural Force	4.000		01/11/2005	3	1
156	BEECH ST	286760	2	Joint	Natural Force	4.000		07/19/2006	10	1
166		201447	0	Joint	Other	4.000	Other Repair Made	07/04/1995	1	1
239	MAPLE ST	284397	1	Joint	Matt or Weld Failure	4.000		01/13/2006	3	2
239	MAPLE ST	284397	1	Joint	Matt or Weld Failure	4.000		01/13/2006	3	1
335	RUSSELL ST	297805	1	Broken Main	Other	4.000	Clamped	02/12/2007	3	1
371	RUSSELL ST	298503	1	Broken Main	Natural Force	4.000	Clamped	03/13/2007	3	2
402	LINDEN ST	297270	1	Broken Main	Natural Force	6.000	Clamped	01/30/2007	3	1
462		273149	2	Joint	Other	4.000		04/25/2005	3	1

Total Leak History for BLODGETT ST IS 12

File: lms006_ikmainhist Version: 04/23/2008 (Crystal Reports XI) Page 42 of 39:



Report Name: lms006_kmainhist.rpt

Back To Selection Close

69 / 393 81%

Preview

BLEVENS DR
BLOODGETT ST
BLOODGETT ST
BLUCHER ST
BODWELL RD
BOUTWELL ST
BOW ST
BOWMAN ST
BOYNTON ST
BREMER ST
BRIDGE ST
BRIDGE ST W
BROOK ST
BROOK ST
BROOK ST W
BROOKLYN AV
BROWN AV
BRUNELLE AV
CALEF RD
CANAL ST
CANDIA RD
CANTON ST
CARL DR
CARON ST
CARPENTER ST
CARROLL ST
CARTIER ST
CASS ST
CEDAR ST
CENTRAL ST
CHARLESTON AV
CHASE AV
CHENEY PL
CHERRY AV
CHESTNUT ST
CILLEY RD
CLAREMONT AV
CLARKE ST
CLARKE ST E
CLARKE ST W
CLAY ST
CLEVELAND ST

nationalgrid
Main Leak History

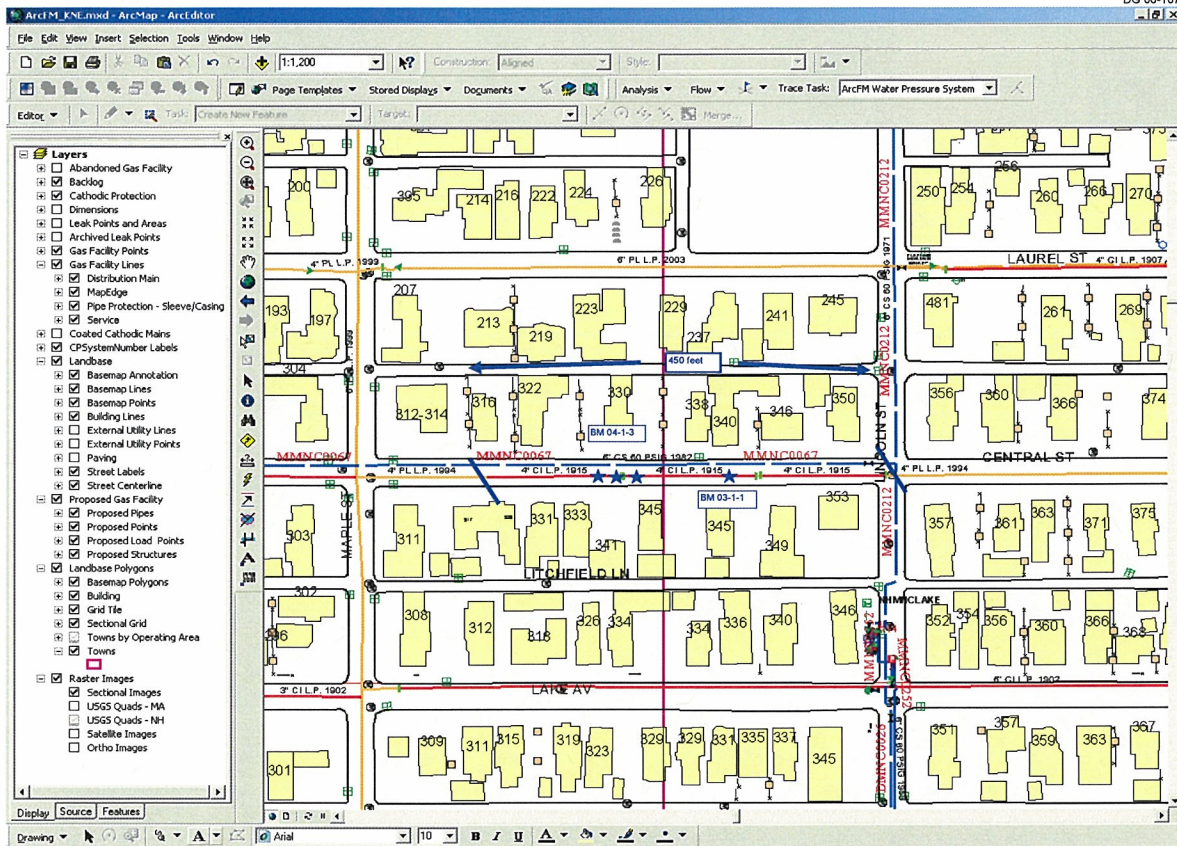
8/11/2008 10:33:15AM

Town: MNC
Street Name: CEDAR ST

St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
		201308	0	Leaking Pipe	Excavation	3.000	Other Repair Made	09/23/1995	1	1
		204004	0	Joint	Other	4.000	Sealed	07/30/1991	11	1
		205324	1	Leaking Pipe	Excavation	3.000	Other Repair Made	06/05/2000	10	1
		250388	1	Broken Main	Excavation	4.000	Clamped	06/04/2003	1	1
		208833	0	Leaking Pipe	Natural Force	3.000	Clamped	02/17/1988	11	1
157	BEECH ST	195117	2	Broken Main	Other	3.000	Other Repair Made	09/11/2000	10	1
198		207729	0	Leaking Pipe	Natural Force	3.000	Other Repair Made	03/02/1994	4	1
328		201305	0	Joint	Other	4.000	Clamped	11/14/1990	11	1
398		197594	1	Joint	Other	4.000	Anaerobic Sealant	09/21/2000	9	1
433		215575	1	Broken Main	Excavation	4.000	Cut Off	04/19/2001	1	1
433		215575	1	Broken Main	Excavation	4.000	Clamped	04/19/2001	1	1
591	HALL ST	305225	2	Joint	Other	4.000	Anaerobic Sealant	10/22/2007	9	1

Total Leak History for CEDAR ST IS 11

File: lms006_kmainhist Version: 04/23/2008 (Crystal Reports XI) Page 69 of 393



Report Name: lms006_ikmainhist.rpt

Preview

70 / 393 100%

Back To Selection Close

nationalgrid

1/13/2009 7:38:45AM

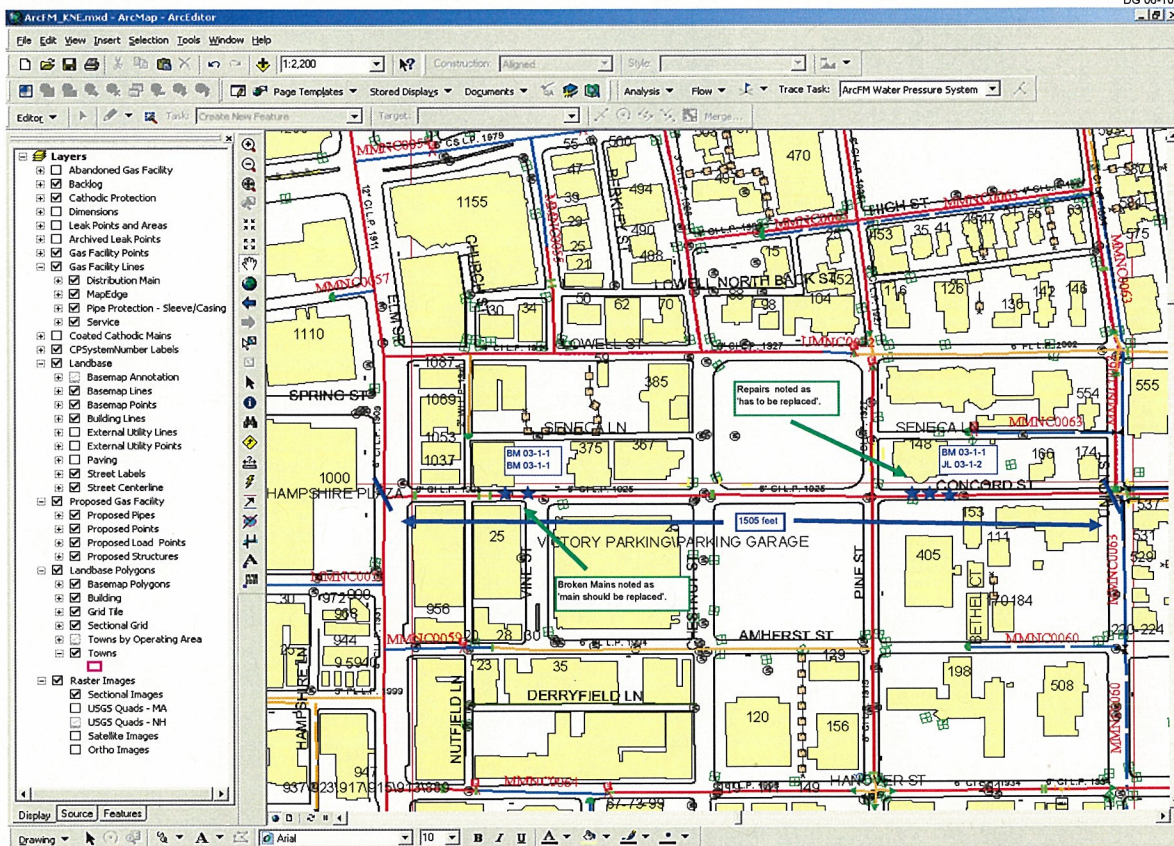
Town: MNC

Street Name: CENTRAL ST

St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Required Dat	Source	Units
		201262	0	Joint	Other		Other Repair Made	08/02/1993	11	1
		201668	0	Gate/Valve	Other	6.000	Grease Gate Valve	02/24/1984		1
		201894	0	Joint	Other	6.000	Other Repair Made	07/22/1993	4	1
		203833	1	Leaking Pipe	Natural Force	3.000	Other Repair Made	02/23/2000	4	1
		203975	0	Leaking Pipe	Natural Force	4.000	Other Repair Made	12/16/1998	4	1
		207050	0	Joint	Other	6.000	Other Repair Made	06/18/1992	11	1
		208764	0	Gate/Valve	Other	4.000	Grease Gate Valve	06/15/1987	11	1
174		217008	2	Joint	Other	6.000	Anaerobic Sealant	10/04/2001	4	1
239		201587	0	Joint	Corrosion		Clamped	10/26/1985	4	1
253		198140	2	Joint	Other	6.000	Anaerobic Sealant	10/13/2000	9	1
281		201265	0	Joint	Other		Clamped	10/26/1995	4	1
281		203441	0	Joint	Corrosion	6.000	Sealed	11/25/1991	11	1
285		201266	0	Joint	Other		Sealed	07/31/1989	10	1
297		209817	0	Joint	Other	6.000	Sealed	10/02/1989	4	1
316		204659	0	Joint	Other	4.000	Other Repair Made	06/23/1992	11	1
319		201264	0	Leaking Pipe	Matl or Weld Failure	4.000	Plastic Relay/Insert	02/04/1997	10	1
330		255642	1	Broken Main	Natural Force	4.000		01/26/2004	2	3
333		207723	0	Joint	Natural Force	4.000	Repaired Fitting	03/02/1994	4	1
340		240926	1	Broken Main	Natural Force	4.000	Clamped	01/28/2003	1	1
422		201316	0	Joint	Other		Other Repair Made	07/26/1993	4	1
423		201315	0	Joint	Other		Other Repair Made	04/06/1993	4	1
479		204001	0	Joint	Other	4.000	Sealed	07/17/1991	11	1
55		201261	0	Leaking Pipe	Other	6.000	Other Repair Made	07/24/1997	11	1
550		237576	2	Joint	Other	4.000	Anaerobic Sealant	11/11/2002	7	1
589	CASS ST	307230	1	Broken Main	Natural Force	4.000	Clamped	01/07/2008	3	1
597		204810	0	Joint	Other	6.000	Other Repair Made	05/15/1992	11	1
9		208932	0	Leaking Pipe	Natural Force	3.000	Clamped	10/21/1988	1	1

Total Leak History for CENTRAL ST IS 27

File: lms006_ikmainhist Version: 04/23/2008 (Crystal Reports XI) Page 70 of 393



Report Name: lms006_1kmainhist.rpt

Back To Selection Close

Preview

90 / 393 100%

nationalgrid 1/13/2009 7:38:45AM

Town: MNC

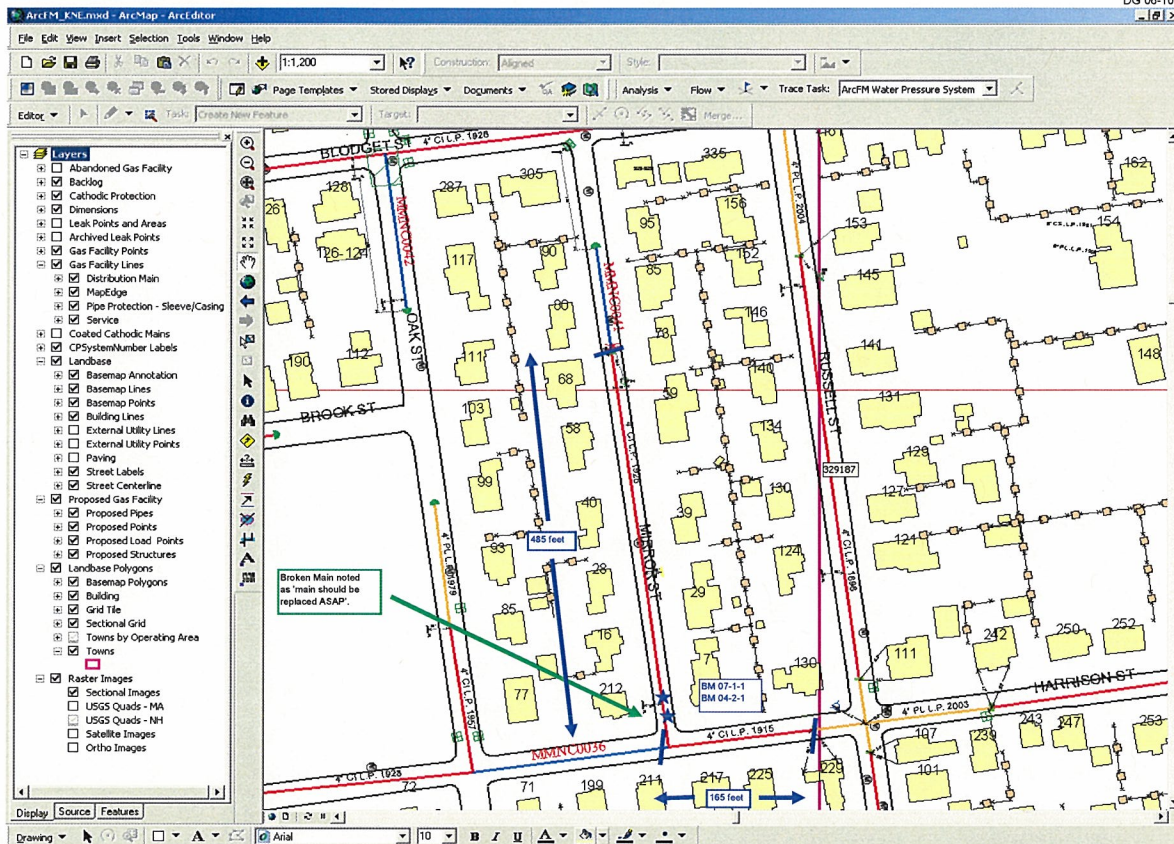
Street Name: CONCORD ST

Main Leak History

St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
	VINE ST	195782	2	Joint	Other	6.000	Anaerobic Sealant	10/11/2000	3	1
		201253	0	Joint	Other	4.000	Other Repair Made	02/04/1997	4	1
		203092	0	Leaking Pipe	Natural Force	6.000	Clamped	05/10/1991	11	1
		204148	0	Joint	Other	6.000	Other Repair Made	08/27/1998	8	1
		206376	0	Joint	Other	6.000	Clamped	06/21/1990		1
		207048	0	Joint	Other	6.000	Other Repair Made	05/18/1992	11	1
	UNION ST	213353	1	Broken Main	Natural Force	6.000	Clamped	02/16/2001	3	1
	UNION ST	214819	2	Broken Main	Natural Force	6.000	Cut Off	05/23/2001	3	1
	CHESTNUT ST	241562	1	Broken Main	Natural Force	6.000	Clamped	02/07/2003	3	1
148	PINE ST	308854	1	Broken Main	Natural Force	6.000	Clamped	03/12/2008	3	1
247		204003	0	Drip	Corrosion	6.000	Plastic Relay/Insert	07/25/1991		1
29	ELM	241568	1	Broken Main	Natural Force	6.000	Anaerobic Sealant	02/05/2003	3	1
28	ELM	241568	1	Broken Main	Natural Force	6.000	Clamped	02/05/2003	3	1
320		201256	0	Joint	Other	6.000	Clamped	03/21/1995	4	1
387		208942	0	Joint	Other	4.000	Clamped	11/21/1988	10	1
391		201252	0	Joint	Other	4.000	Clamped	03/21/1995	4	1
404	HALL ST	301157	2	Joint	Other	4.000	Anaerobic Sealant	07/17/2007	4	1
484		203438	0	Joint	Other	6.000	Sealed	11/19/1991	4	1
572		201671	0	Joint	Other	4.000	Clamped	01/27/1984		1
592		204697	0	Joint	Other	4.000	Other Repair Made	02/04/1997	4	1
72	CHESTNUT ST	298923	2	Joint	Other	6.000	Anaerobic Sealant	05/22/2007	3	1

Total Leak History for CONCORD ST IS 20

File: lms006_1kmainhist Version: 04/23/2008 (Crystal Reports XI) Page 90 of 393



Report Name: lms006_ikmainhist.rpt

250 / 393

Back To Selection

Close

nationalgrid

1/13/2009 7:38:45AM

Town: MNC

Street Name: MIRROR ST

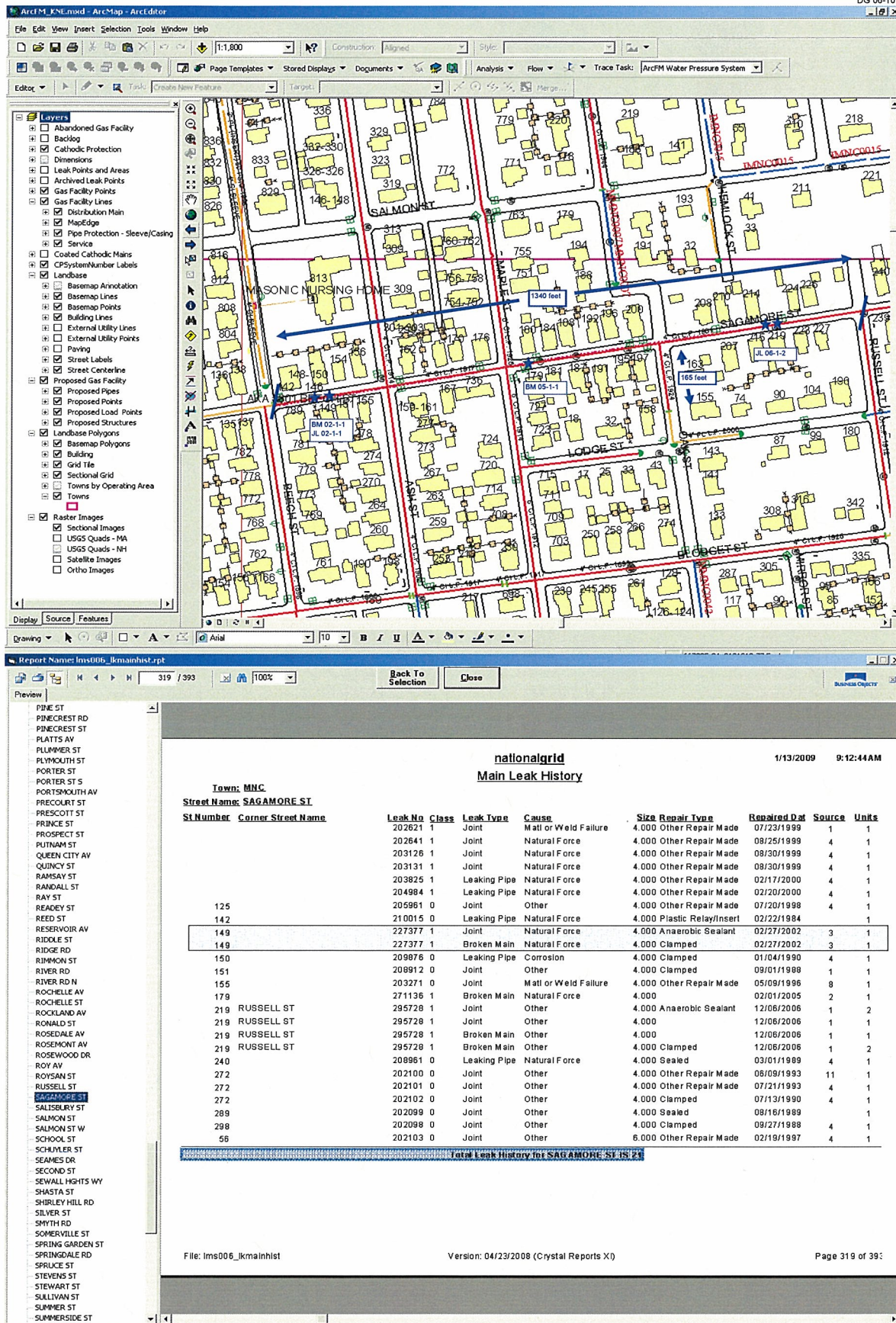
Main Leak History

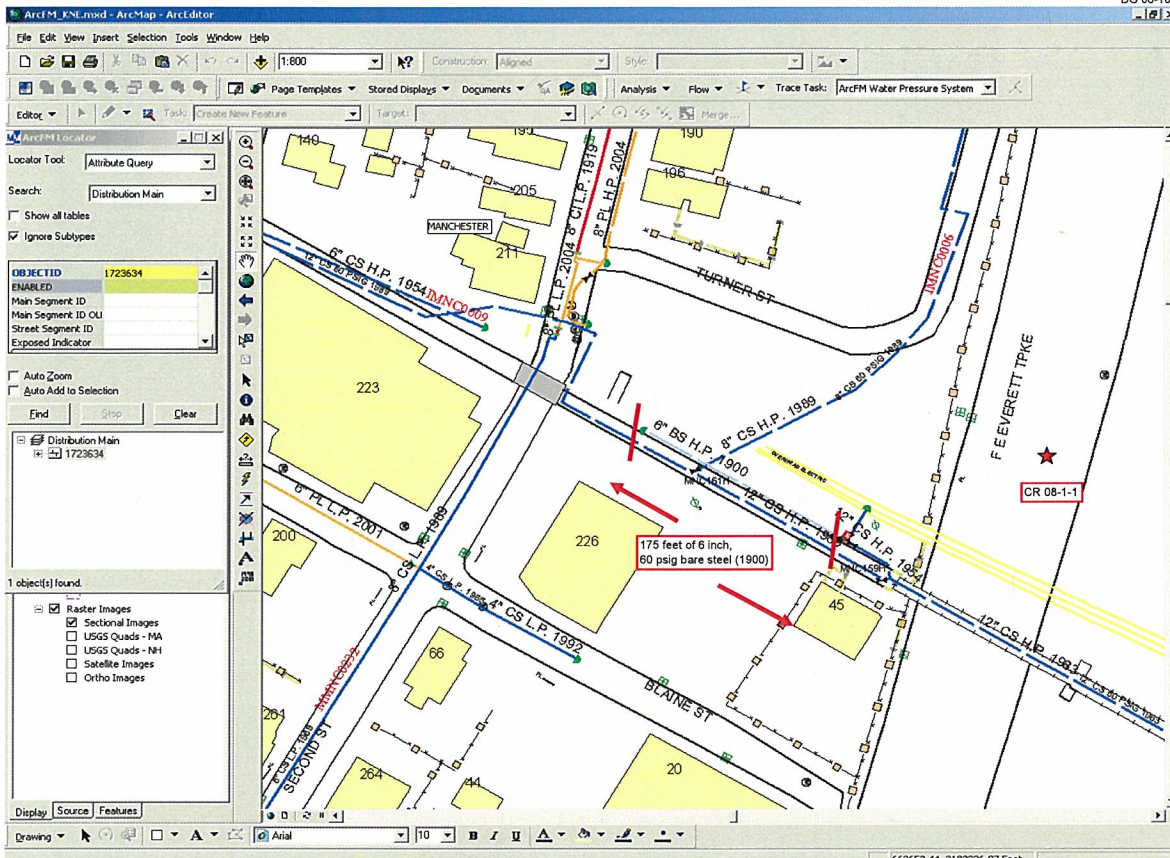
St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
28	BLODGET ST	208946	0	Leaking Pipe	Natural Force	4.000	Clamped	12/18/1988	1	1
38	HARRISON ST	208751	0	Leaking Pipe	Natural Force	4.000	Clamped	02/28/1987	4	1
38	HARRISON ST	308889	1	Broken Main	Natural Force	4.000	Clamped	12/20/2007	1	1
68	HARRISON	267217	2	Broken Main	Natural Force	4.000		10/25/2004	1	1
Total Leak History for MIRROR ST IS 4										

File: lms006_ikmainhist

Version: 04/23/2008 (Crystal Reports X)

Page 250 of 39:





Report Name: lms006_lkmainhist.rpt

118 / 393 81%

Back To Selection Close

Preview

DAVIS ST
DEPOT ST
DERRY ST
DERRYFIELD CT
DEWEY ST
DICKET ST
DIONNE DR
DIX ST
DNE
DONALD ST
DOUGLAS ST
DOVER ST
DOW ST
DUBUQUE ST
DUFORT ST
DUTTON ST
EDGEMERE AV
EDMOND ST
EDWARD J ROY DR
ELLEN CT
ELM ST
ELM ST 5
ESTEY AV
ESTY AV
EVERETT ST
FERRY ST
FIELDCREST RD
FIR ST
FLINT ST
FOREST ST
FOSTER AV
FOURTH ST
FREMONT ST
FRONT ST
GABRIELLE ST
GARDEN ST
GARLAND AV
GATES ST
GEORGE ST
GOFFE ST
GOFFS FALLS RD
GOLD ST

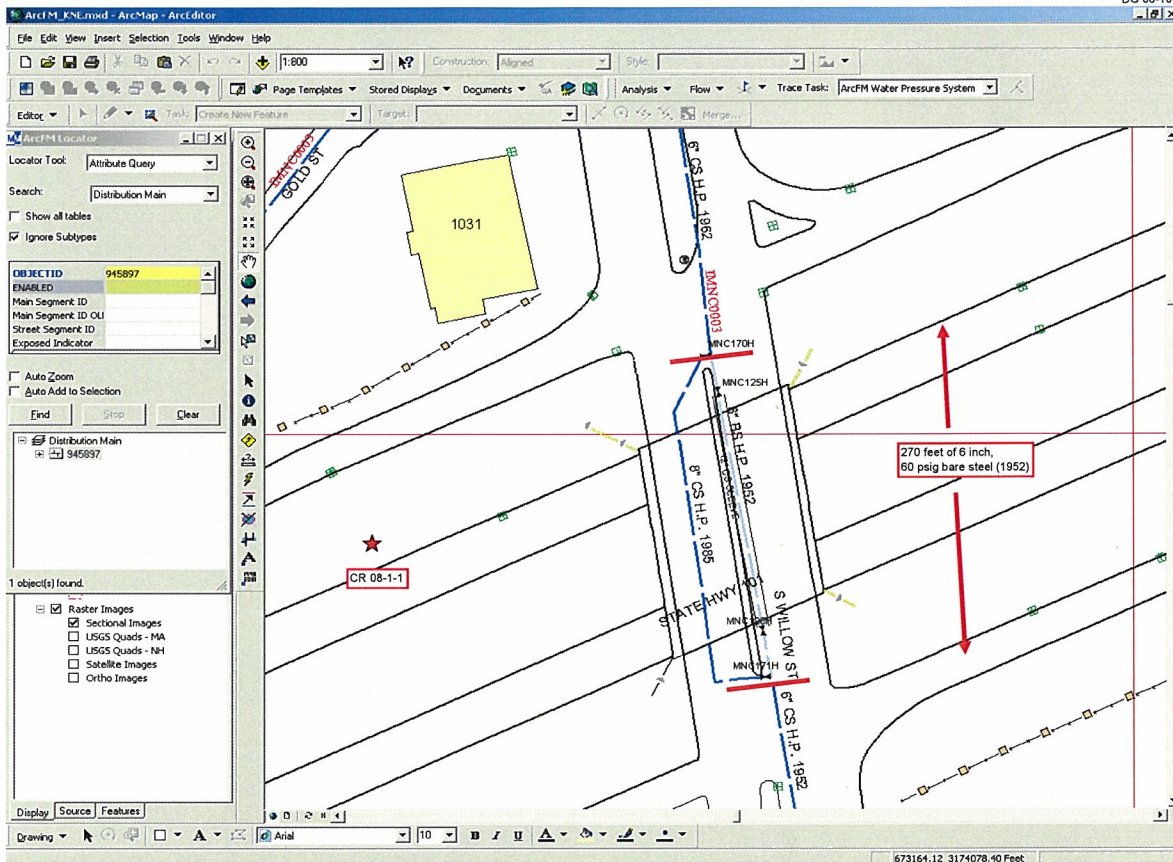
nationalgrid
Main Leak History

8/11/2008 10:33:15AM

Town: MNC
Street Name: ELM ST

St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
		201620	0	Joint	Other	10.000	Sealed	01/30/1992	4	1
		201624	0	Joint	Other	10.000	Clamped	09/13/1996	4	1
		201628	0	Joint	Other	10.000	Clamped	01/11/1995	4	1
		201629	0	Joint	Other	10.000	Sealed	01/07/1987	1	1
		201630	0	Joint	Other		Clamped	10/16/1986	1	1
		201634	0	Joint	Other		Other Repair Made	09/17/1997	4	1
		201635	0	Joint	Other	12.000	Sealed	09/17/1990	11	1
		201901	0	Joint	Other	3.000	Plastic Relay/Insert	04/10/1987	1	1
		201902	0	Joint	Other	3.000	Clamped	01/16/1987	1	1
		201984	0	Leaking Pipe	Natural Force	4.000	Other Repair Made	01/06/1995	1	1
		202709	1	Joint	Other	12.000	Other Repair Made	01/18/2000	10	1
		204346	0	Joint	Other	12.000	Sealed	09/30/1991	4	1
		208757	0	Leaking Pipe	Natural Force	8.000	Clamped	04/14/1987	4	1
		208767	0	Joint	Other	10.000	Sealed	06/18/1987	4	1
		208810	0	Leaking Pipe	Natural Force	6.000	Plastic Relay/Insert	01/25/1988	1	1
		208884	0	Joint	Other	12.000	Sealed	07/20/1988	1	1
		209924	0	Joint	Natural Force	6.000	Clamped	01/03/1990	4	1
	W BROOK ST	210334	0	Gate/Valve	Other	6.000	Other Repair Made	05/15/1992	4	1
		225977	1	Joint	Other	8.000	Anaerobic Sealant	01/24/2002	1	1
	PENACOOK ST	243955	1	Broken Main	Natural Force	3.000	Clamped	03/28/2003	3	1
	DOW ST	258171	2	Joint	Other	12.000		03/29/2004	2	1
	DOW ST	271520	2	Joint	Other	12.000		07/14/2005	3	2
		206302	0	Fitting	Other	8.000	Sealed	02/26/1985	1	1
	HANOVER ST	298597	1	Broken Main	Natural Force	8.000	Clamped	03/15/2007	1	1
1000		201926	0	Joint	Other	8.000	Other Repair Made	09/02/1993	11	1
1000		200843	0	Joint	Other		Other Repair Made	10/13/1997	4	1
1015	CONCORD ST	288300	1	Joint	Other	8.000		03/17/2006	3	2
1045	ELM	241810	1	Broken Main	Natural Force	6.000	Clamped	02/06/2003	1	1
1087		201761	0	Leaking Pipe	Natural Force	4.000	Clamped	02/10/1994	4	1
1155		210997	1	Other	Other	0.250	Other Repair Made	12/12/2000	1	0
1155		211014	3	Other	Other	12.000	Other Repair Made	12/21/2000	1	0
1181		200046	0	Joint	Other		Other Repair Made	10/01/1997	4	1
1200		201623	0	Joint	Other	12.000	Sealed	07/24/1989	10	1

File: lms006_lkmainhist Version: 04/23/2008 (Crystal Reports XI) Page 118 of 393



Report Name: lms006_ikmainhist.rpt

386 / 393 81% Back To Selection Close

Preview

TIFFANY LN

TILTON ST

TRENTON ST

TURNER ST

TYLER AV

UNION ST

UNION ST N

UPLAND ST

VALLEY ST

VANDORA DR

VARNEY ST

VERNON ST

VILLA ST

VINTON ST

WALKER ST

WALL ST

WALNUT ST

WARNER ST

WATERFORD WY

WATERMAN ST

WAYNE ST

WEBSTER ST

WEBSTER ST W

WELCH AV

WELLINGTON TER

WELLINGTONHILL RD

WEST ST

WESTON RD

WESTON ST

WHELOCK ST

WHIPPLE ST

WHITTEMORE AV

WILKINS ST

WILLIAM ST

WILLOW ST

WILLOW ST S

WILSON ST

WILSON ST S

WINTER ST

WOODLAND AV

YOUNG ST

YOUVILLE ST

nationalgrid

8/11/2008 10:33:15AM

Town: MNC

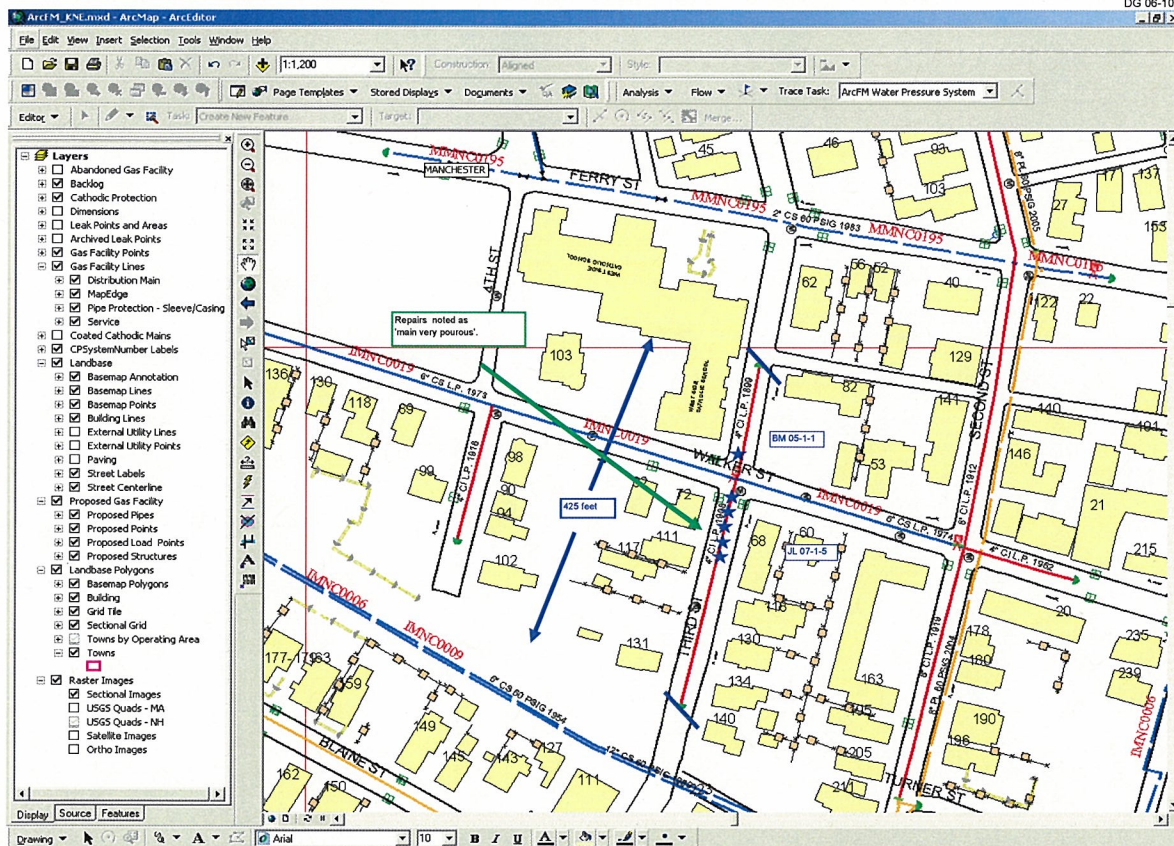
Street Name: S WILLOW ST

St Number Corner Street Name

Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
201463	0	Fitting	Other	2.000	Other Repair Made	04/08/1997	4	1
202090	0	Gate/Valve	Other	4.000	Other Repair Made	06/25/1992	11	1
203495	2	Leaking Pipe	Corrosion	6.000	Other Repair Made	11/30/1999	10	1
206185	0	Joint	Other	6.000	Other Repair Made	03/04/1998	4	1
208851	0	Leaking Pipe	Excavation	6.000	Plastic Relay/Insert	04/28/1998	4	1
202446	0	Fitting	Other	2.000	Other Repair Made	04/08/1997	4	1
202077	0	Leaking Pipe	Other	4.000	Clamped	07/02/1993	4	1
200810	0	Gate/Valve	Other	2.000	Grease Gate Valve	08/14/1989	11	1
210107	0	Gate/Valve	Other	2.000	Other Repair Made	08/14/1989	11	1
195143	2	Fitting	Corrosion	3.000	Repaired Fitting	08/18/2000	10	1
202089	0	Leaking Pipe	Excavation		Clamped	07/01/1998	10	1
205870	0	Joint	Other		Other Repair Made	08/03/1996	11	1

Total Leak History for S WILLOW ST IS 12

File: lms006_ikmainhist Version: 04/23/2008 (Crystal Reports XI) Page 386 of 393



Report Name: Ims006_ikmainhist.rpt

365 / 393

Back To Selection

Close

nationalgrid

1/13/2009 7:38:45AM

Town: MNC

Street Name: WALKER ST

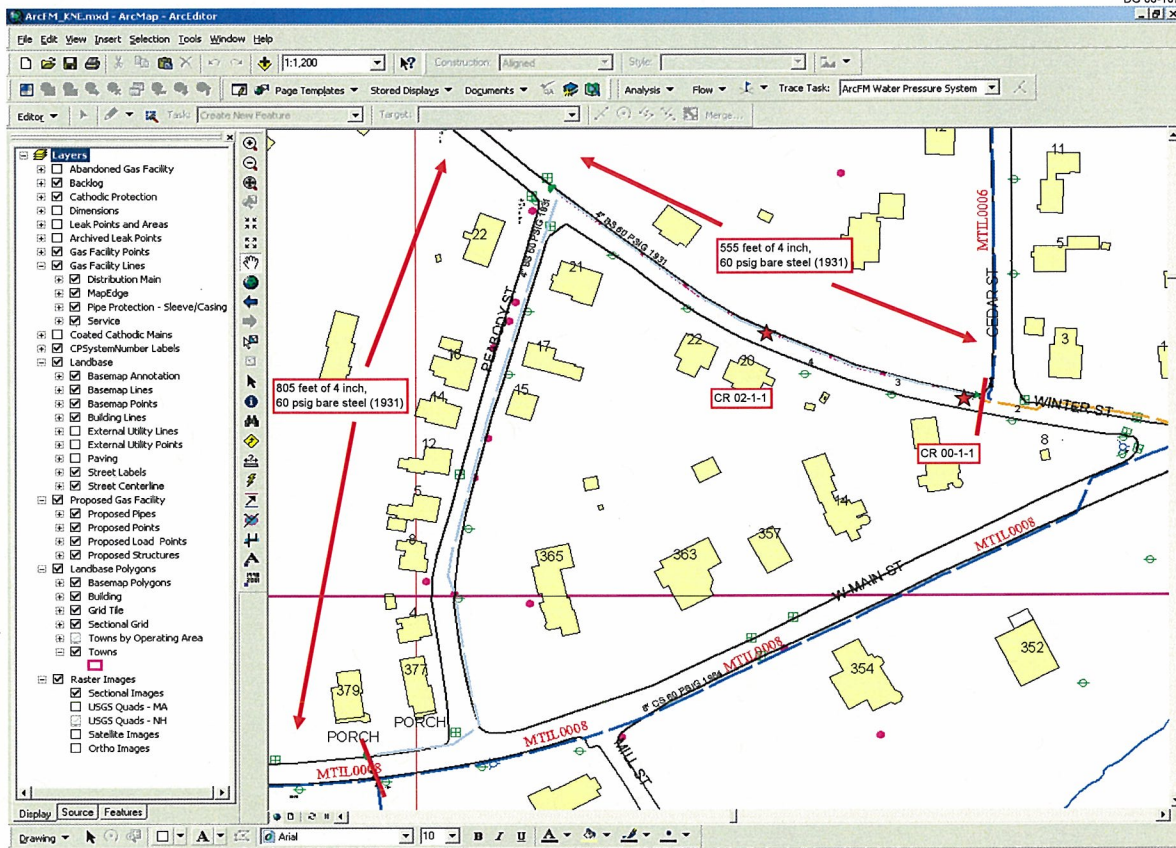
St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Dat	Source	Units
85	3RD ST	281532	1	Broken Main	Excavation	2.000		11/08/2005	1	1
72	3RD ST	299471	1	Joint	Natural Force	4.000		04/10/2007	3	3
72	3RD ST	299471	1	Joint	Natural Force	4.000		04/10/2007	3	1
72	3RD ST	299471	1	Joint	Natural Force	4.000	Anaerobic Sealant	04/10/2007	3	3
72	3RD ST	299471	1	Joint	Natural Force	4.000	Anaerobic Sealant	04/10/2007	3	5

Total Leak History for WALKER ST IS: 2

File: Ims006_ikmainhist

Version: 04/23/2008 (Crystal Reports X0)

Page 365 of 39:



Report Name: Ims006_ikmainhist.rpt

Back To Selection Close

Preview

25 / 25 100%

nationalgrid 1/8/2009 8:59:43AM

Town: TIL
Street Name: WINTER ST

St Number	Corner Street Name	Leak No	Class	Leak Type	Cause	Size	Repair Type	Repaired Date	Source	Units
		204526	0	Leaking Pipe	Corrosion	2.000	Other Repair Made	04/17/1995	4	1
		204527	0	Joint	Corrosion	2.000	Other Repair Made	05/25/1995	4	1
		204528	0	Joint	Corrosion	2.000	Clamped	12/28/1995	4	1
		204529	0	Leaking Pipe	Corrosion	2.000	Clamped	01/24/1996	4	1
20		237861	1	Leaking Pipe	Corrosion	4.000	Clamped	11/11/2002	1	1
5		202248	1	Leaking Pipe	Corrosion	4.000	Other Repair Made	05/11/2000	1	1

Total Leak History for WINTER ST IS 6

Total Leak History for TIL IS 74

File: Ims006_ikmainhist Version: 04/23/2008 (Crystal Reports XI) Page 25 of 25

Bill Impacts due to Cast Iron and Bare Steel Replacement Program

	Total Yr 2	Incremental from Yr. 1
Annual Increase due to REP Cap program	\$1,015,824	\$512,900
Annual Throughput (based on Nov 07 COG filing)	154,702,063	154,702,063
Increase Factor	\$0.0066	\$0.0033
Typical Residential bill (Based on Nov 07 COG)	\$2,006	\$2,006
Typical Usage	1250	1250
Annual Increase for Residential Heating customer	\$8.21	\$4.14
Percent bill increase	0.41%	0.21%
Annual Revenues 2006-07 from Rate Case	\$176,520,000	\$176,520,000
Annual percent increase	0.58%	0.29%

Energy North
Illustrative Cast Iron, Bare Steel Replacement Program
Illustrative Computation of Revenue Requirement

	Year 1 FY09	Year 2 FY10		
<u>Deferred Tax Calculation</u>				
1 CIBS Program Targeted Spend	3,635,605	3,822,273		
2 Base Spending Amount	500,000	500,000		
3 Incremental Amount	3,135,605	3,322,273		
4 Cumulative REP Program Spend	3,135,605	6,457,878		
5				
6 Book Depreciation Rate (a)	2.23%	2.23%		
7 15/20 YR MACRS Tax Depr. Rates	5.00%	9.50%		
8 Vintage Year Tax Depreciation:				
9 Year 1 Spend	156,780	297,882		
10 Year 2 Spend		166,114		
11 Year 3 Spend				
12 Year 4 Spend				
13 Year 5 Spend				
14				
15 Annual Tax Depreciation	156,780	463,996		
16 Cumulative Tax Depreciation	156,780	620,776		
17				
18 Book Depreciation	69,872	143,903		
19 Cumulative Book Depreciation	69,872	213,775		
20				
21 Book/Tax Timer	86,909	407,002		
22 Effective Tax Rate	40.53%	40.53%		
23				
24 Deferred Tax Reserve	35,220	164,937		
25				
<u>Rate Base Calculation</u>				
26 Plant In Service	3,135,605	6,457,878		
27 Accum Depr	(69,872)	(213,775)		
28 Def Tax Reserve	(35,220)	(164,937)		
29 Year End Rate Base	3,030,514	6,079,166		
30				
<u>Revenue Requirement Calculation</u>				
31 Year End Rate Base	3,030,514	6,079,166		
32 Pre-Tax ROR	12.30%	12.30%		
33 Return and Taxes	372,849	747,930		
34 Book Depreciation	69,872	143,903		
35 Property Taxes (b)	1.92% 60,204	123,991		
36 Annual Revenue Requirement	502,925	1,015,824		
37				
<u>Annual Rate Adjustment</u>				
38				
39 Incremental Annual Rate Adjustment	502,925	512,900		
40				
<u>Imputed Capital Structure</u>				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				

(a) Actual 2007 Composite Depreciation rate for distribution property.

(b) Actual 2007 ratio of municipal tax expense to net plant in service.

(c) Capital structure per Merger Settlement in Docket DG 06-107, Exhibit 1, Section 3(c).