

APPENDIX A

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE
COMMISSION IN CASE NO. 2002-00427 DATED February 10, 2003.

**UTILITY ACCIDENT
INVESTIGATION REPORT**

Utility:	LG&E Energy Corp. ("LG&E")	
Reported By:	Marty J. Reinert, LG&E	
Accident Occurred:	DATE – September 18, 2002	TIME - Approximately 3:20 PM
Utility Notified:	DATE - September 18, 2002	TIME - Approximately 3:20 PM
PSC Notified:	DATE - September 18, 2002	TIME - 3:45 PM
Investigated:	DATE - September 18, 2002	FOLLOW-UP – October 1, 2002
Written Report Rcvd:	DATE - September 23, 2002	
Location of Accident:	FOX RAIN SUBDIVISION – OFF OLD HENRY ROAD, EASTERN JEFFERSON COUNTY (New construction – no known address)	
Description of Accident:	<p>At the start of the job(s) Fishel Electric ("Fishel") and Pike Electric ("Pike") Companies had been assigned to do, Pike Foreman, Dominick Simms, and Fishel Foreman, Chad Best, did not recognize that they would need a grounding elbow. LG&E supervising personnel discovered this and stated that a grounding elbow was furnished to the job site.</p> <p>During the initial investigation of the accident, LG&E personnel discovered that a grounding elbow was found on a PIKE electrical truck.</p> <p>When the underground ("UG") system was energized, the morning of the accident, a fault occurred and one of the two (2) loop line fuses blew. This occurred on a single-phase UC loop system that Fishel personnel had installed in a new subdivision just off Old Henry Road. Fishel Foreman Best asked that the other fuse be closed. This was done without a problem.</p> <p>It was discussed by Fishel and Pike personnel as to whom would troubleshoot the UG loop system to determine the cause of the fault. Since Fishel had installed the URD ("Underground Residential Distribution") System, it was decided that Fishel personnel, Foreman Best and apprentice Thomas Lowe, would check the system out.</p> <p>Fishel Foreman Best would disconnect the first URD transformer. He then asked that the line fuse, which had initially blown on the lateral pole on Old Henry Road, be refused and closed to see if it would hold. This was done and the fuse held. Best and Lowe proceeded with further inspections (troubleshooting) of the URD System. UG transformers and pull boxes were checked. After checking the URD System, Best and Lowe met with Pike Foreman Simms and other personnel at the URD transformer that feeds the UC lateral cable Pike personnel would be working on. Best said he could not find any trouble. Best said the Pike personnel "laughed." It</p>	

Description of Accident: (cont.)

was later discovered that the initial fault occurred at the end of the UG cable that had been rolled up at the base of pole 50663-89316. Pike's assignment was to terminate and connect the UG lateral line to the existing old overhead line in order to serve two homes outside of the new subdivision line.

Fishel Foreman Best and Pike Foreman Simms went to lateral pole #50663-89316 to make sure they were working on the right cable. They did this by working the cable up and down in the UG conduit. Fishel apprentice Lowe had remained at the URD transformer to see which cable moved. The two foremen returned to the UG transformer where Lowe was. The two foremen, Best and Simms, had a discussion. Best said he told Simms he would go and energize the UG system. Best said Simms asked him to let him know if the fuse held. An interview was held at the accident site with Simms. He said he did not remember their conversation that way, and if it was, he must have been "brain dead" that day.

Fishel Foreman Best energized the UG system and the line fuse blew. It was at this point that the accident occurred. Mr. Walt Walker, a Line Tech-A for Pike, had started to work on the UG lateral cable near pole #50663-89316. Walker received a shock and was fatally injured. Walker was not wearing his rubber gloves or sleeves at the time of the accident.

The URD transformer involved in this accident had a double feed-through bushing. The other URD cable, coming from the first transformer and feeding the new subdivision, was plugged into the other side of the same double feed-through bushing. When the feed from the first URD transformer was energized, it energized a portion of the UG system, including the lateral cable that was being worked on. Best and Simms failed to recognize the need for, and failed to install the necessary grounding elbow prior to energizing this UG system.

Fishel Foreman Best had attached a red Hold Card to the elbow on the double feed-through bushing on the URD transformer. The red Hold Card was visible to Pike Foreman Simms and other personnel at the site. Best improperly used a red Hold Card as a message card, instead of a white Message Card. LG&E's normal practice is to use a white message card for information or instruction (during subsequent interviews). Best said, "I did not know to use a white card for messages, but I do now."

Victims:					
Name:	Walt Walker	Fatal:	YES	Age:	46
Addr./Emp.:	23268 #8, Huntington, WV Pike Electric Company, Mt. Airy, NC				
Injuries:	Electrocution				

Witnesses:	Name	Address/Employment
	Chad Best (Fishel Foreman) 9703 Independence School Road Louisville, KY 40212	Employee – Fishel Construction Co. 4508 Bishop Lane, Louisville, KY
	Thomas Lowe (Fishel Apprentice) 9111 Loch Lea Lane Louisville, KY 40261	Employee – Fishel Construction Co. 4508 Bishop Lane Louisville, KY
	Dominick Simms (Pike Foreman) 6775 Pioneer Trail Georgetown, IN 47122	Employee – Pike Electric Co. P. O. Box 868 Mt. Airy, NC
	Scott Ellis (Pike Working Foreman)	Employee – Pike Electric Co. RR #1, Box 145-J Chapmanville, WV
	Eric Dillahunty (Pike C-Line Tech)	Employee – Pike Electric Co. 3508 Wyndemere Court New Albany, IN
Sources of Information:	Name	Address/Employment
	Keith McBride	Employee & Investigator, LG&E Louisville, KY
	Chad Best (Fishel Foreman) 9703 Independence School Road Louisville, KY 40212	Employee – Fishel Construction Co. 4508 Bishop Lane, Louisville, KY
	Thomas Lowe (Fishel Apprentice) 9111 Loch Lea Lane Louisville, KY 40261	Employee – Fishel Construction Co. 4508 Bishop Lane Louisville, KY
	Dominick Simms (Pike Foreman) 6775 Pioneer Trail Georgetown, IN 47122	Employee – Pike Electric Co. P. O. Box 868, 6775 Pioneer Trail Mt. Airy, NC
	Scott Ellis (Pike Working Foreman)	Employee – Pike Electric Co. RR #1, Box 145-J Chapmanville, WV
	Eric Dillahunty (Pike C-Line Tech)	Employee – Pike Electric Co. 3508 Wyndemere Court New Albany, IN
	John Lucket	Employee, LG&E Team Leader over Pike Contract Crews, Louisville, KY

Probable Violations:

807 KAR 5:041, Section 3, National Electric Safety Code 1990 Edition,

Section 41, Protective Methods and Devices, Rule 411. A. 3. & 4.

(3) Employees shall be instructed as to the character of the equipment or lines and methods to be used before any work is undertaken thereon.

(4). Employees should be instructed to take additional precautions to ensure their safety when conditions create unusual hazards.

Section 42, General-Rules for employees, Rule 420. C. 4., D., H.

(C) Safeguarding Oneself and Others.

(C4) Employees who work on or in the vicinity of energized lines shall consider all of the effects of their actions, taking into account their own safety as well as the safety of other employees on the job site, or on some other part of the affected electric system, the property of others, and the public in general.

(D) Energized or Unknown Conditions.

Employees shall consider electric supply equipment and lines to be energized, unless they are positively known to be de-energized. Before starting work, employees shall perform preliminary inspection or tests to determine existing conditions. Operating voltages of equipment and lines should be known before working on or in the vicinity of energized parts.

(H) Tools and Protective Equipment

Employees shall use the personal protective equipment, the protective devices, and the special tools provided for their work. Before starting work, these devices and tools shall be carefully inspected to make sure they are in good condition.

Section 42, Rule 421. A. 1. & 2. General Operating Routines

(A) Duties of a First Level Supervisor or Person in Charge

This individual shall:

1. Adopt such precautions as are within this individual's authority to prevent accidents.
2. See that the safety rules and operating procedures are observed by the employees under the direction of this individual.

**Probable Violations:
(cont.)**

807 KAR 5:006, Section 24. Safety Program. Each utility shall adopt and execute a safety program, appropriate to the size and type of its operations.

(1) Establish a safety manual with written guidelines for safe working practices and procedures to be followed by utility employees.

LG&E Energy HEALTH & SAFETY Manual

A GENERAL RULES

A.23. Hold Card/Red Tag and Lockout Devices.

A.23.4 Note: Reference to Company Policy/Procedure for Lockout/Tagout.

C. DISTRIBUTION

C.1.1. Before work is commenced a job briefing (tailgate conference) shall be held with all employees to orient each employee as to:

- a. The hazards associated with the job.
- b. The work procedures involved.
- c. Any Special precaution to be taken.
- d. All energy source controls.
- e. Personal protective equipment required.

C.1.2. Electrical equipment and lines shall always be considered as energized unless they are positively known to be dead and grounded. Before work is started on energized equipment or circuits, a preliminary inspection (or test) shall be made to determine existing conditions.

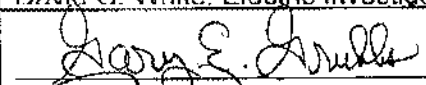
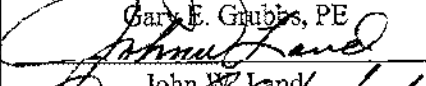
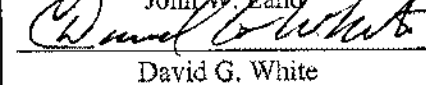
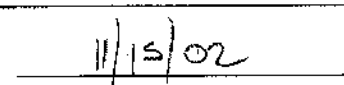
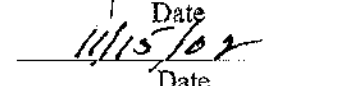
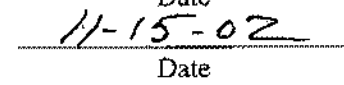
D. UNDERGROUND RESIDENTIAL DISTRIBUTION

D.3.1 Company Lockout/Tagout Procedures shall be followed when sectionalizing URD systems.

D.4. Grounding-URD

D.4.1 All URD cables and equipment, including services, that have been energized or could become energized from any source, shall be considered as energized until the equipment is positively proven to be de-energized with an approved voltage detector and has been grounded.

D.4.2 Before doing work on de-energized primary circuits or equipment: (1) a visible open break shall be provided, (2) a voltage test shall be made; and (3) the equipment shall be grounded.

Probable Violations: (cont.)	D.4.4 De-energized cables shall be grounded at a point as close to the work as possible before work is started.				
	D.4.5 All underground cables and apparatus carrying current at voltages above 600 volts shall be de-energized and grounded before cables are worked.				
	D.5. Work on Energized Equipment—URD				
	D.5.1 All underground cables and apparatus carrying current at voltages above 600 volts shall be de-energized before work is done on the conductor or before the cables are cut into or spliced.				
Line Measurements Taken at Incident Site	Measured	Minimum Allowed by NESC	Applicable NESC Edition¹ 1990	Volt.	Constr. Date
URD Transformer to Incident Site:	183 feet	N/A	N/A	7200	2002
URD Transformer to Lateral Pole:	215 feet	N/A	N/A	7200	2002
Date of Measurement	SEPTEMBER 18, 2002				
Approximate Temperature:	85°				
Measurements Made By:	LG&E Personnel				
Investigated By:	Gary Grubbs, PE Manager, Electric Branch Division of Engineering John W. Land, Electric Investigator David G. White, Electric Investigator				
Signed / Date	 Gary E. Grubbs, PE		 John W. Land		
			 David G. White		
			 Date		
			 Date		
			 Date		

- Attachments: A. Accident Report
B. Photographs of Accident Site

¹ Current edition adopted by the Commission. If clearances are not in compliance with the current edition, then the edition in effect when the facilities were last constructed or modified would apply.

Attachment A
Accident Report



Marty J. Reinert
Regulatory Analyst II
Regulatory Compliance

LG&E Energy Corp.
220 West Main Street (40202)
P. O. Box 32010
Louisville, Kentucky 40232
502-627-4173
502-627-3213 FAX

September 27, 2002

Mr. Gary Grubbs, Manager
Kentucky Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, KY 40602

**RE: Contractor Electrocutation
Fox Run Subdivision
Louisville, KY**

Dear Mr. Grubbs:

Attached is an "Investigation Report" on the above incident which was prepared by Keith McBride. This is filed as a follow-up to the September 23rd letter.

If you need additional information concerning this incident, please feel free to contact me at (502) 627-4173.

Sincerely,

Marty J. Reinert
Regulatory Compliance

Attachment

INVESTIGATION REPORT

Contractor Electrocution

Type of Report

02-E-038

Report Number

Keith McBride

Investigator

September 18, 2002

Date of Incident

Reference: **Electrocution of a Pike
Electric Company Employee**

Location: **Fox Run Subdivision off Old Henry Road
Eastern Jefferson County (new construction – no known address)**

Case Summary

On September 18, 2002 at approximately 3:20pm LG&E Electric Trouble Dispatchers received a call over the radio requesting EMS for a man down. The call came from a Pike Electric Company Foreman. The preliminary report was that a man was "shocked and down." I notified Marty Reinert of LG&E's Regulatory Compliance Department and he in turn notified the Kentucky Public Service Commission.

Investigation

On September 18, 2002 at approximately 3:20pm two Pike Electric Company ("Pike") crews were working to attach an underground lateral cable (line) to a pole and terminate it to an overhead line. One employee was holding the lateral cable while kneeling on the ground and was using a knife to skin the insulation off of the lateral cable. At this time the line became energized and the Pike employee received a shock from the 7200 volt URD cable. The Pike employee was transported to University of Louisville Hospital via EMS. The Pike Electric employee died at the hospital.

Investigation of the scene found that the area was under construction and was to be a new subdivision. The subdivision was to be fed via a URD electric system which had been installed by the Fishel Electric Company ("Fishel"). Pike Electric

Company was to attach the URD lateral lines to a pole on Old Henry Road and terminate them to the overhead system that was to feed the URD system.

Pike was to also attach another lateral cable to a pole and terminate it to an overhead branch line (that was feeding two homes not within the new subdivision). The remaining overhead branch line was to be removed. After terminating the lateral lines on Old Henry Road, the Pike crews went to the area of the pad mounted transformer, in the subdivision, where the other lateral line was fed.

While the Pike crew was working on the lateral, a Fishel Company electric crew arrived on scene and was to energize the URD system by fusing up the lateral lines on Old Henry Road. We understand that the Pike and the Fishel crews were at the lateral pole on Old Henry when the fusing was being done. When the Fishel crew fused up the first lateral, the fuse blew. They then fused the second lateral and the fuse held. The Fishel crew went to the first transformer and stood the elbow off, thus de-energizing that section of URD cable. The Fishel crew then started to check all of the URD splice boxes and pad mounted transformers in the subdivision to find the problem.

Meanwhile, the Pike Electric crews proceeded to the area where the other lateral and lateral pole was located within the subdivision and started their work. The Fishel crew stated that they could not find anything wrong in any of the splice boxes or in any of the pad mounted transformers. Fishel then went to the area of the transformer that the aforementioned lateral was connected to and told the Pike Foreman that they did not find anything wrong.

Chad Best of the Fishel crew stated that he advised Pike that the Fishel Crew was going to plug the elbow in and re-energize the URD cable coming out of the first transformer and see if the fuse would hold. Pike continued with their work on that lateral line. The Fishel crew plugged the elbow in and the fuse blew a second time. At this point they noticed the Pike employees running and thought there was something wrong. When they arrived at the Pike work site they found that a Pike employee had received a shock from the 7200 volt URD lateral line.

Subsequent inspection of the transformer and the lateral line found that the lateral line that the Pike employees were working on was plugged into a double feed-through bushing. The other URD cable coming from the first transformer and feeding the entire subdivision was plugged into the other side of the *same* double feed-through bushing. When Fishel energized the first transformer, they energized the subdivision's URD cable and the lateral line at the same time. Photographs and measurements were taken of the scene.

Weather – sunny 85 degrees

Lateral pole number – 50663 / 89316

Transformer to incident site 183ft / Transformer to lateral pole – 215ft

URD cable - 1/0 cable with a concentric neutral

Voltage - 7200

Pike Electric Company

PO Box 868

Mt. Airy, North Carolina 27030-9908

1-800-343-7453

Walt Walker - deceased

Line Tech – A / Pike

12168 Rear #8

Huntington, West Virginia

(304) 529-1676

Dominick Simms – Foreman Pike

6775 Pioneer Trail

Georgetown, Indiana 47122

(812) 366-4124

Scott Ellis - Working Foreman / Pike

RR #1 Box 145-J

Chapmanville, West Virginia 25508

(304) 855-1323

Eric Dillahunty – C-Line Tech / Pike

3508 Wyndemere Court

New Albany, Indiana 47150

(812) 968-7888

Fishel Company

4508 Bishop Lane

Louisville, Kentucky 40218

(502) 456-2900

Chad Best - Lead B-Line Tech / Fishel Company

9703 Independence School Road

Louisville, Kentucky 40212

(502) 239-3282

Thomas Lowe . Apprentice / Fishel Company
9111 Loch Lea Lane
Louisville, Kentucky 40261
(502) 231-8615

**LG&E Energy Services
FACSIMILE COVER SHEET**

From: Marilyn Beirnt

Telephone Number (502) 627- 4173

220 West Main Street - 5th Floor

Louisville, Kentucky 40202

Regulatory Affairs Fax Number: (502) 627-3213

Faxing to Fax Number: 502-564-1582

Company: Ky PSC

Attn: John Land

Comments: Summary & Request for Extension

Number of Pages 3 (including this cover page)

Please call _____ at (502) 627- _____

if you did not receive all pages.

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Marty J. Reinert
Regulatory Analyst II
Regulatory Compliance

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220 West Main Street (40202)
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Louisville, Kentucky 40232
502-527-4173
502-527-3213 FAX

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Kentucky Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, KY 40602

RE: Contractor Electrocuton
Fox Run Subdivision
Louisville, KY

Dear Mr. Grubbs:

Attached is a summary of the above incident. This is filed in compliance with the seven-day reporting requirement.

A more detailed report of this incident will follow in the coming days.

If you need additional information concerning this incident, please feel free to contact me at (502) 527-4173.

Sincerely,

Marty J. Reinert
Regulatory Compliance

Attachment

At approximately 3:20 p.m. on September 18, 2002, Walt Walker, an employee of LG&E's contractor, Pike Electric, Inc. ("Pike"), was fatally electrocuted. The accident occurred in a new subdivision known as Fox Run off Old Henry Road in Eastern Jefferson County, Kentucky. The accident involved personnel of both Pike and Fishel Company ("Fishel"), another contractor working for LG&E. Mr. Walker was part of a group of Pike employees working to replace a portion of the overhead service to a group of homes outside the Fox Run subdivision with a connection to a 7,200 volt underground service being installed in the subdivision. It appears that Mr. Walker was electrocuted when a cable he was terminating became energized when Fishel personnel energized the 7,200 volt service in the subdivision.

**LG&E Energy Services
FACSIMILE COVER SHEET**

From: Marty Reinert

Telephone Number (502) 627-
220 West Main Street - 5th Floor
Louisville, Kentucky 40202
Regulatory Affairs Fax Number: (502) 627-3213

FAX RECEIVED
9.27.02 @
3:00PM

cc: G. GRUBBS
D. WHITE
J. LIND

Faxing to Fax Number: 502-564-1582

Company: Ky PSC

Attn: GARY GRUBBS

Comments: INVESTIGATION REPORT

Number of Pages 6 (including this cover page)

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LG&E KU

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Marty J. Reinert
Regulatory Analyst II
Regulatory Compliance

LG&E Energy Corp.
820 West Main Street (40202)
P. O. Box 92010
Louisville, Kentucky 40232
502-627-4173
502-627-3273 FAX

September 27, 2002

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Voltage - 7200

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PO Box 868

Mt. Airy, North Carolina 27030-9908

1-800-343-7453

Walt Walker - deceased

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12168 Rear #8

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3508 Wyndemere Court

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Thomas Lowe Apprentice / Fishel Company
9111 Loch Lea Lane
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(502) 231-8615

LG&E Energy Services
FACSIMILE COVER SHEET

Gary
742

From: Marty Baird

Telephone Number (502) 627- 4173

220 West Main Street - 5th Floor

Louisville, Kentucky 40202

Regulatory Affairs Fax Number: (502) 627-3213

Faxing to Fax Number: 502-561-1502

Company: Ky PBC

Attn: John Baird

Comments: Summary & request for extension

Number of Pages 2 (including this cover page)

Please call _____ at (502) 627- _____

if you did not receive all pages.

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Marty J. Reinert
Regulatory Analyst II
Regulatory Compliance

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290 West Main Street (40202)
P. O. Box 32010
Louisville, Kentucky 40232
502-627-4173
502-527-3213 FAX

September 23, 2002

Mr. Gary Grubbs, Manager
Kentucky Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, KY 40602

RE: Contractor Electrocution
Fox Run Subdivision
Louisville, KY

Dear Mr. Grubbs:

Attached is a summary of the above incident. This is filed in compliance with the seven-day reporting requirement.

A more detailed report of this incident will follow in the coming days.

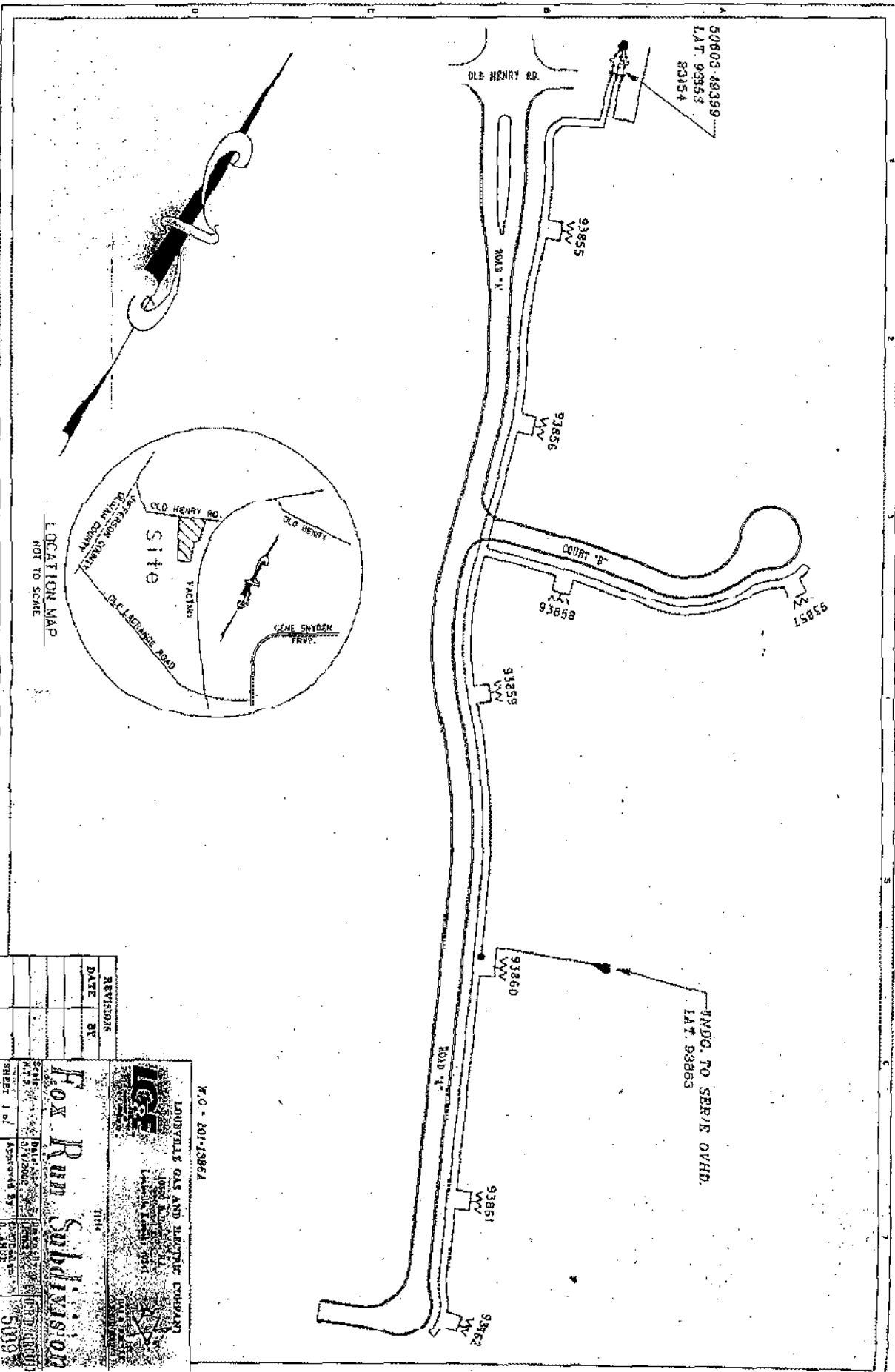
If you need additional information concerning this incident, please feel free to contact me at (502) 627-4173.

Sincerely,

Marty J. Reinert
Regulatory Compliance

Attachment

At approximately 3:20 p.m. on September 18, 2002, Walt Walker, an employee of LG&E's contractor, Pike Electric, Inc. ("Pike"), was fatally electrocuted. The accident occurred in a new subdivision known as Fox Run off Old Henry Road in Eastern Jefferson County, Kentucky. The accident involved personnel of both Pike and Fishel Company ("Fishel"), another contractor working for LG&E. Mr. Walker was part of a group of Pike employees working to replace a portion of the overhead service to a group of homes outside the Fox Run subdivision with a connection to a 7,200 volt underground service being installed in the subdivision. It appears that Mr. Walker was electrocuted when a cable he was terminating became energized when Fishel personnel energized the 7,200 volt service in the subdivision.



REVISIONS	
DATE	BY

ICE
 LOUISVILLE GAS AND ELECTRIC COMPANY
 1000 EAST 10TH ST.
 LOUISVILLE, KY 40203
 (502) 582-2200

Fox Run Subdivision

DATE: 07/12/07
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Signature]
 SHEET 1 of 1

50897

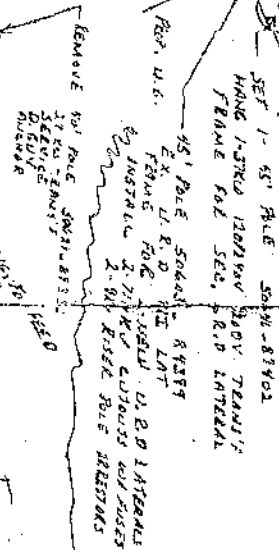
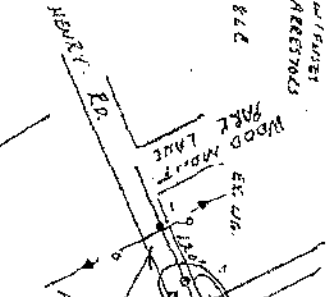
K.O. - 201-23864

DESCRIPTION JOB Est. 13868

SET 1-45' PILE
HANG 1-37KV, 1201240V, 7200V TL
INSTALL - TYPICAL AUTOMATS W/GRABER
SER EIMER PAIR ARRESTORS

REMOVE
3-70' PILES
1-37KV W/ 7200V T
4-500VZ PRT V.W.B.T.

INSTALL
1-700VZ CONSTANT VOLTAGE
1-30KV EISE PALE ROE. DTD



FOX RUN
48 LOTS 10, 3rd, 1201240V

JOB Est. 13868

R. D.J. N.E.D.
REVISIT - SEE DC. JOB
SEE JOB-13868 FOR REVISION
NOTICE MAP NUMBER OF WORK
IS OF DATE 5/22/62 AS

INSTALL AUTOMATS
COMPLETED
5-2-62

Start 5-19-62
Comp. 5-19-62
Cable: 1 pile
set 45 ft pole

Start 9-14-62
Complete
Factor Down
Notes

CO-1177

NOTE
TAKE STOCK OF
WIRE TO BE DONE WITH
UNDERGROUND THE
Float Telephone
Remove Pole

PROJECT NO. N58 3300# TASK NO. I

LOUISVILLE GAS & ELECTRIC COMPANY
LOUISVILLE KENTUCKY

DEPARTMENT: ELECTRICITY DESIGN

FOX RUN SUBD.

OLD HEVLY ROAD

SCALE: NO DATE 5-30-62

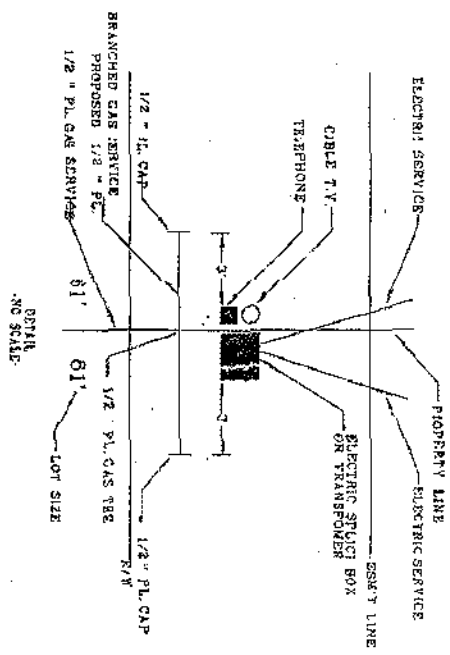
DRAWN BY: DON LAMUE

APPROVED BY:

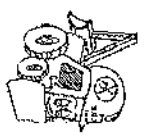
Est. 13868
OF

GAS SERVICE LOCATION WITH ELECTRIC SPLICE BOX

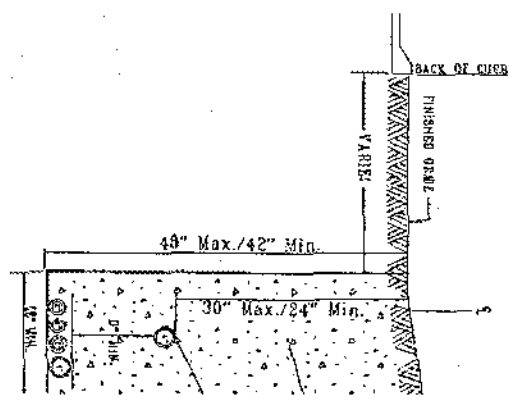
To Lay - 4/3/2002



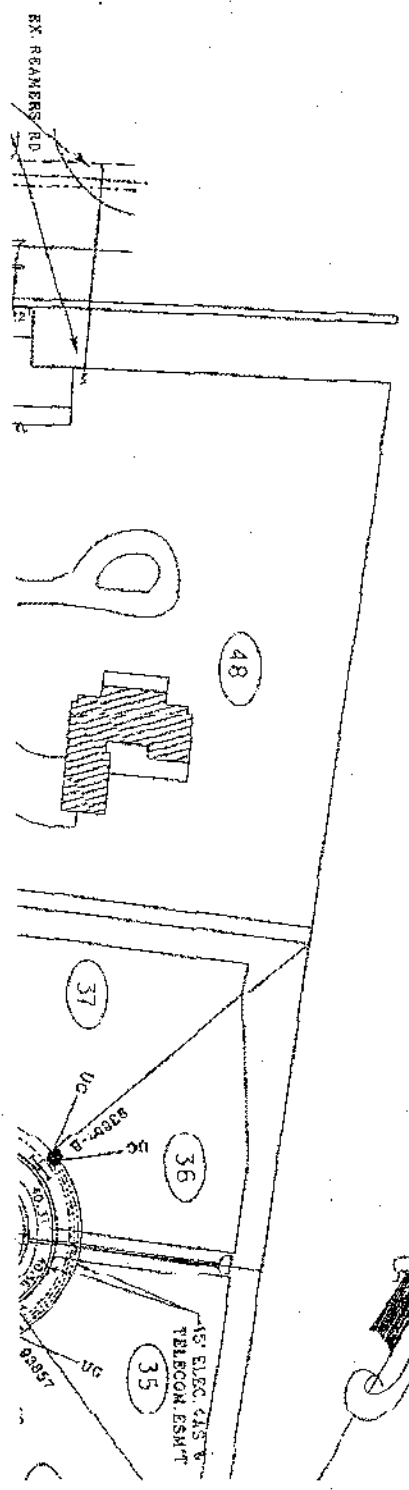
BEFORE "U" DIG
CALL TOLL FREE
1-800-752-8007
FOR EXHAUST LINES/
CABLE LOCATIONS.



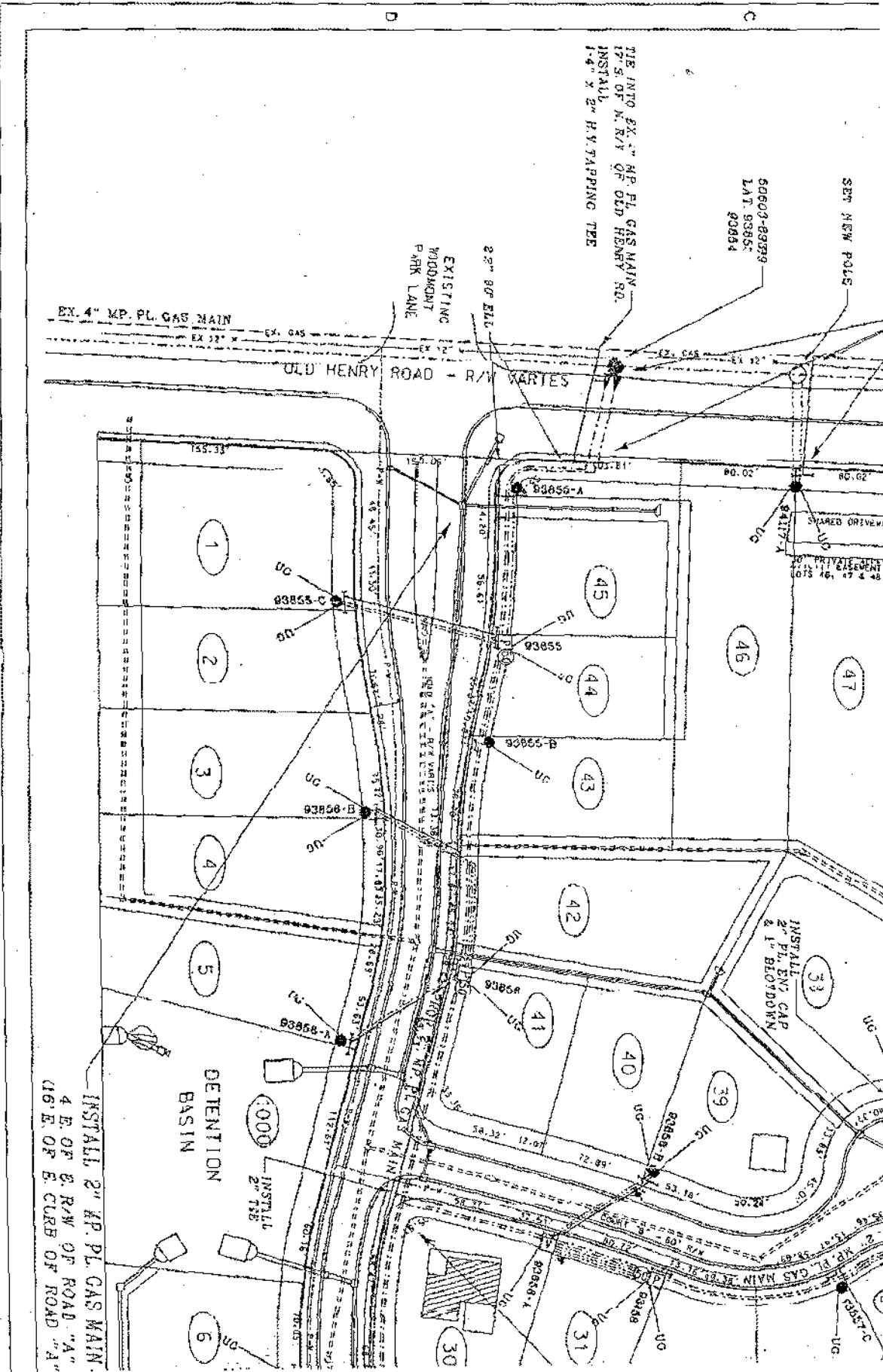
PROPOSED ROAD CROSSING IN I R



PROPOSED LIGHT GAS & ELECT.
SETLINE
NO SCALE



RX FRANKS RD



TIE INTO EX. 4" MP. PL. GAS MAIN
 17' S. OF N. R/W OF OLD HENRY RD.
 INSTALL
 1 1/4" X 2" H.V. TAPPING TEE

50603-9399
 LAT. 93855
 93854

SET NEW P.O.S.

EX. 4" MP. PL. GAS MAIN
 EX. GAS

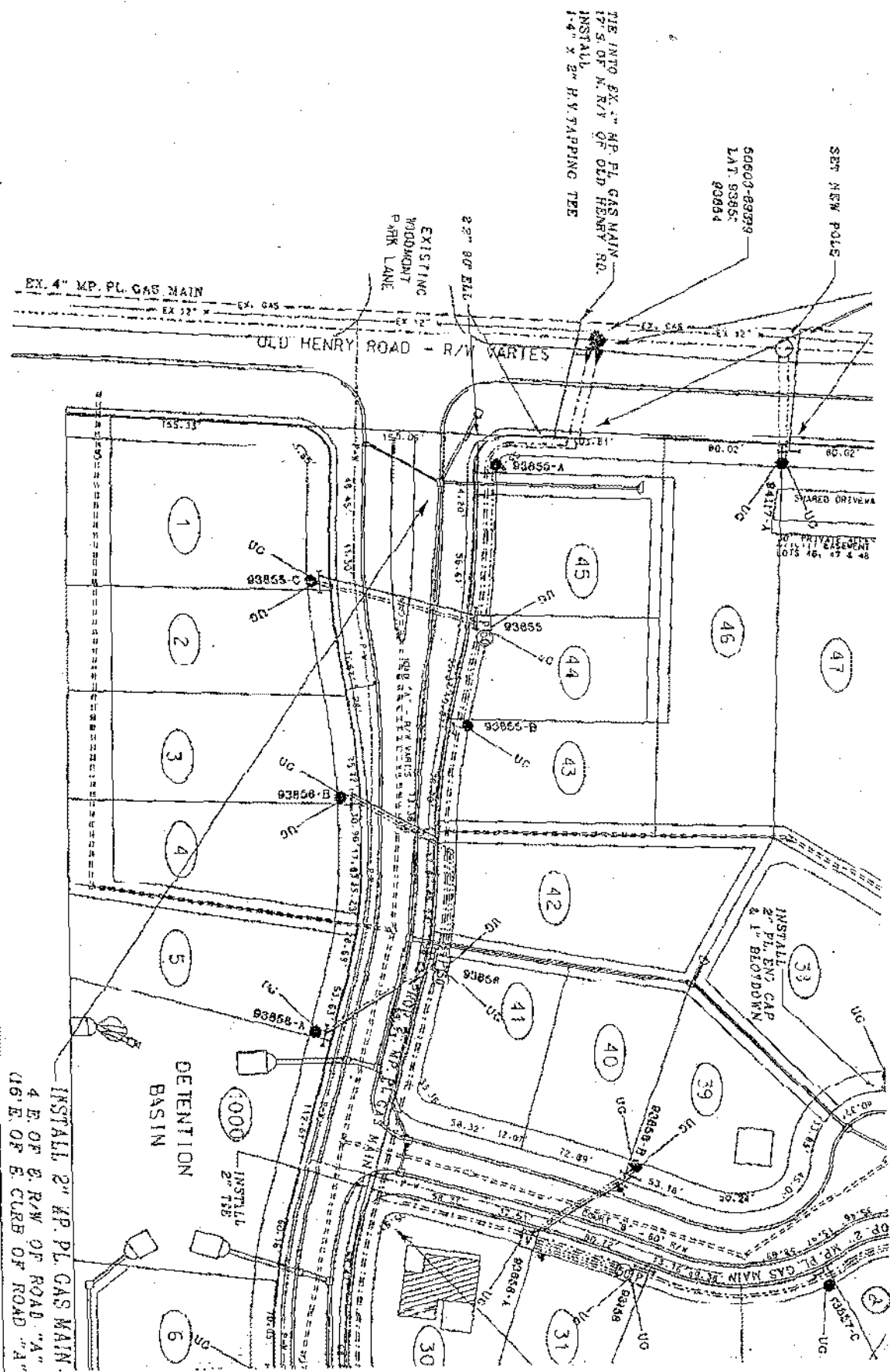
OLD HENRY ROAD - R/W PARTIES

SHARED DRIVEWAY
 PRIVATE DRIVEWAY
 EASEMENT
 12' 0" 14' 0" 14' 0" 14' 0" 14' 0" 14' 0" 14' 0" 14' 0" 14' 0"

INSTALL 2" AP. PL. GAS MAIN
 4' E. OF E. R/W OF ROAD "A"
 (16' E. OF E. CURB OF ROAD "A")

DETENTION
 BASIN

INSTALL
 2" PL. ENVS. CAP
 & 1" BELOWDOWN



T (48" DEPTH MAX.)
K (42" DEPTH MIN.)

XXXXXXXXXXXX

SEE APP. 802/911
WITH SANDOR B.C.A.

4.5" K&H CASE

DUCTING THROUGH
AND CABLE SHEATHS

TRENCH

4 5 6

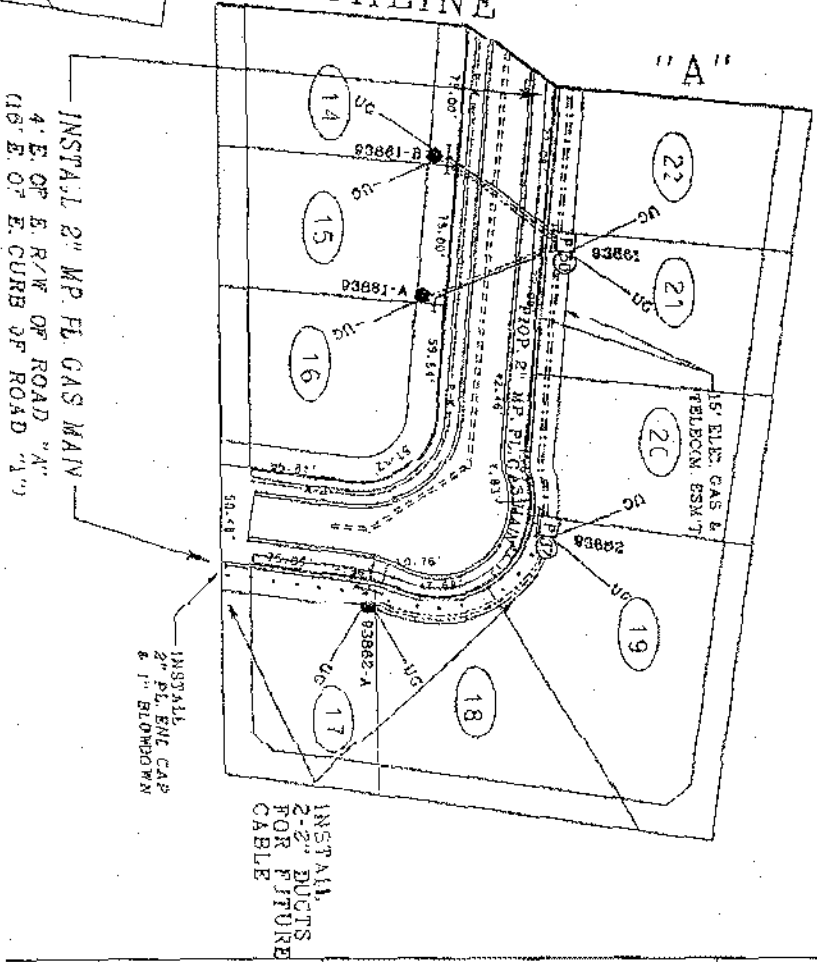
JOB BRIEFING

- 1) HAZARDS ASSOCIATED WITH THE JOB
- 2) WORK PROCEDURES INVOLVED
- 3) SPECIAL PRECAUTIONS
- 4) ENERGY SOURCE CONTROLS
- 5) PERSONAL PROTECTIVE EQUIPMENT REQUIRED

Signature _____

Attendees _____

MATCHLINE

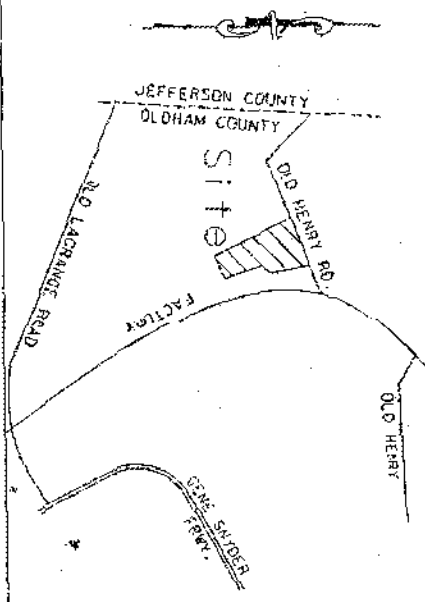


INSTALL 2" MP FL GAS MAIN
4' E. OF E. R/W OF ROAD "A"
16' E. OF E. CURB OF ROAD "1"

INSTALL
2" PL. ENR. CAP
6" 1" BLOWDOWN

INSTALL
2-2" DUCTS
FOR FUTURE
CABLE

VICINITY MAP



GAS NOTES

CONTRACTOR SHALL MAKE ALL TRENCHES AND CUT OUTS. AND CONTRACTOR SHALL RETURN TO JOB SITE AND MAKE ALL FINAL CUT OUTS AND BACKFILL ALL COMPLETED SERVICE CHANGE-OVER HOLES.

ALL GAS PIPING TO BE INSTALLED IN ACCORDANCE WITH THE CONTRACT CONSTRUCTION SPECIFICATION SHEET (CECS-100, Rev. 1/99)

ALL DISTURBED LAWN AREAS ARE TO BE REPLACED WITH SOD.

AIR TEST @ 100 lbs. MEDIUM PRESSURE CONTRACTOR-FISHBEL

G.W.O. # 46070

TASK # Y33289A

PROJECT # 101159

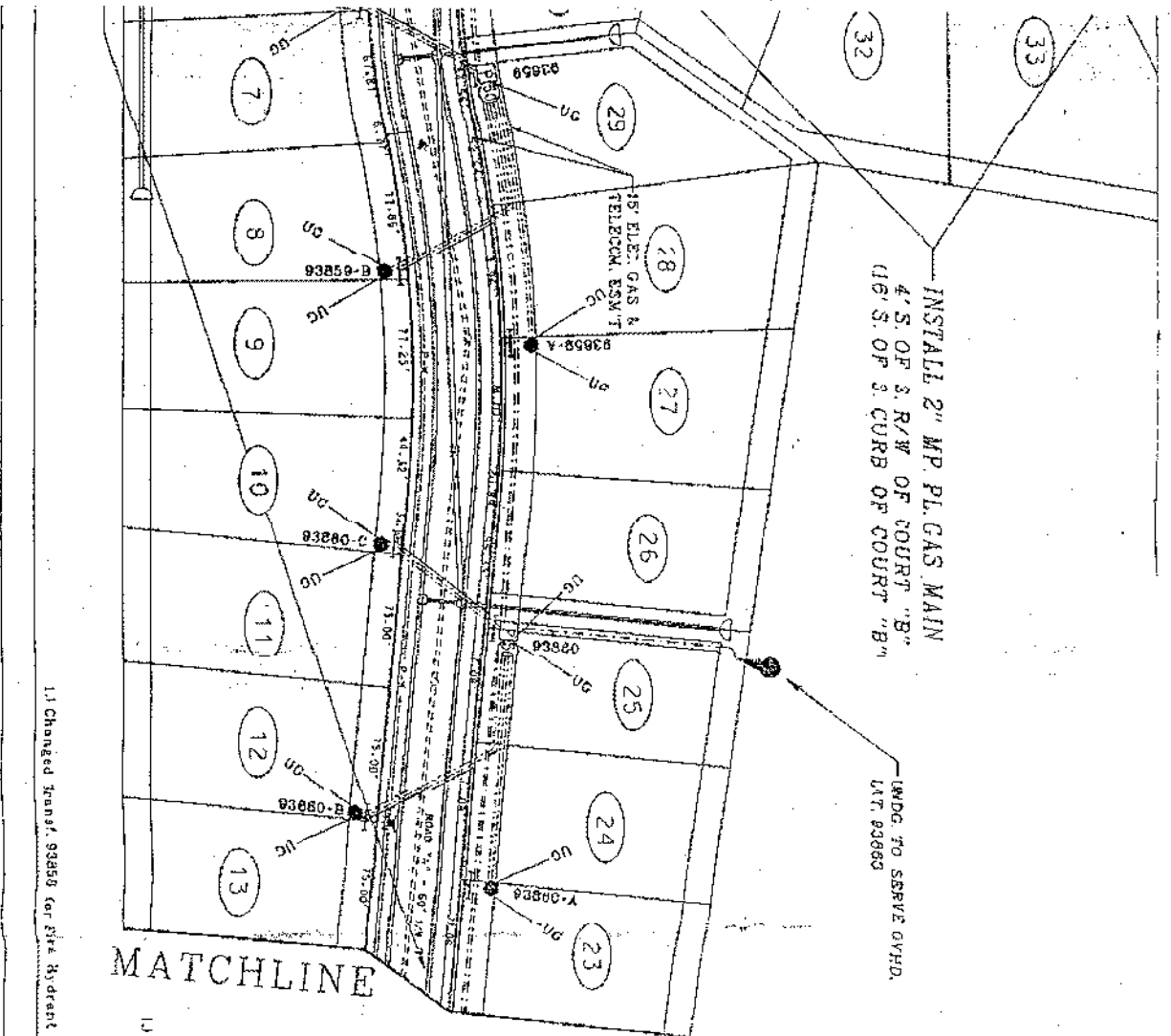
TAX DIST. # 126

MAP PAGE # 497-864 BY

C.W.O. # Y83289A 2" PL. GAS MAIN - 2,325'

25 - JOINT TRENCH 1/2" SERVICES

(3)



11 Changed Transit. 93858 for Pk. B. Street

MATCHLINE

"A"

LEGEND

- GAS LEGEND**
- EXISTING GAS MAIN
 - - - PROPOSED GAS MAIN
 - EXISTING WATER MAIN
 - EXISTING SEWER MAIN
- ELECTRIC LEGEND**
- PRIMARY CABLE 170-270-15 KV.-210 K. ALUM.
 - SECONDARY CABLE 4/4-270-600 V. ALUM. TRIPLEX
 - UNDERGROUND SERVICE
 - DIRECT BURIED DUCT-2" PVC "NO CABLE"
 - PADMOUNT TRANSFORMER
 - SUBGRADE SPLICE BOX
 - EXISTING SUBGRADE SPLICE BOX
 - PORTHEAD ON LATERAL POLE
 - PULLBOX

ELECTRIC NOTES

ALL HEATING CABLES IN 2" PVC
DIRECT BURIED SOCT PUE TO
JOINT TREEBUSH INSTALLATION
WITH TELECOMMUNICATIONS
CABLE TV & GAS

TRANSF. 93855-93863
LOT'S 47
CIR. 9039
OVHD CR. CO-1197
PROJECT. R0113861A
TASK. NBSB3300G
MAP. 497-884
ZIP. 40345

LOUISVILLE GAS AND ELECTRIC COMPANY
1900 ENTERPRISE DRIVE
Louisville, Kentucky 40214

IGEE
A MEMBER OF
The Electric Company

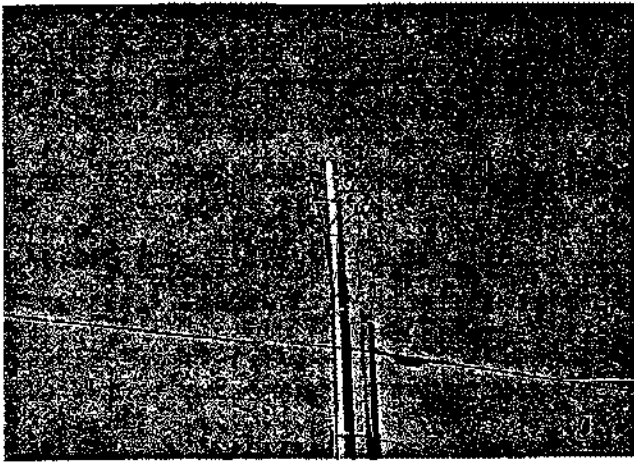
GAS & ELECTRIC ENGINEERING

Fox Run Subdivision

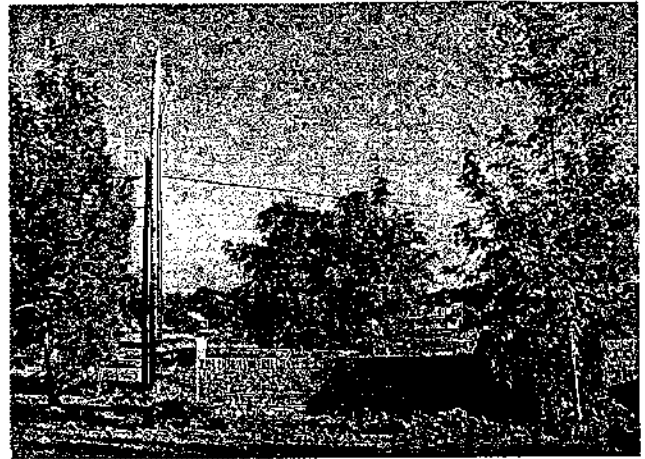
REVISIONS	
DATE	BY
7/22/02	L.E.S.

Scale: 1"=60'	Date: 2/11/2002	Gas Design: MILLER/STUEB	C.A.S.-J. 17794
SHEET 1 of 1	Approved By: D. LAND	Elec. Design: D. LAND	ELEC. R01-1306

Attachment B
Photographs of Accident Site



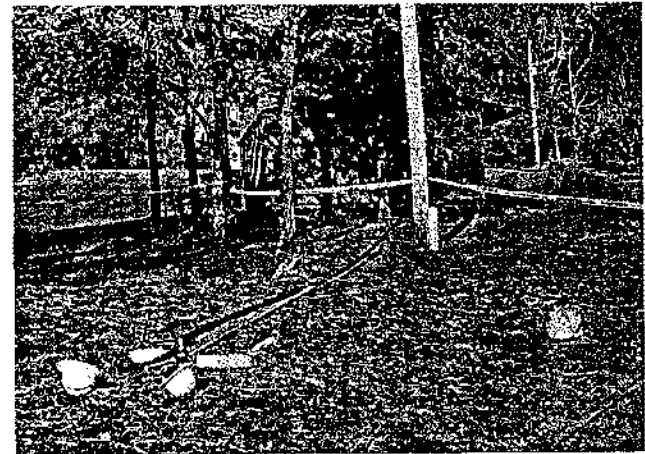
Underground "Drop Pole" Feed for Subdivision



View from drop pole to accident sight (behind house)



Accident area with PPE on-sight



Accident area with PPE on-sight



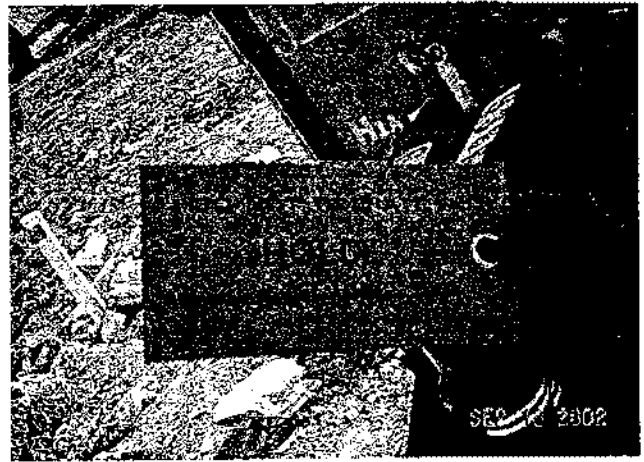
View from accident area toward pad mount transformer



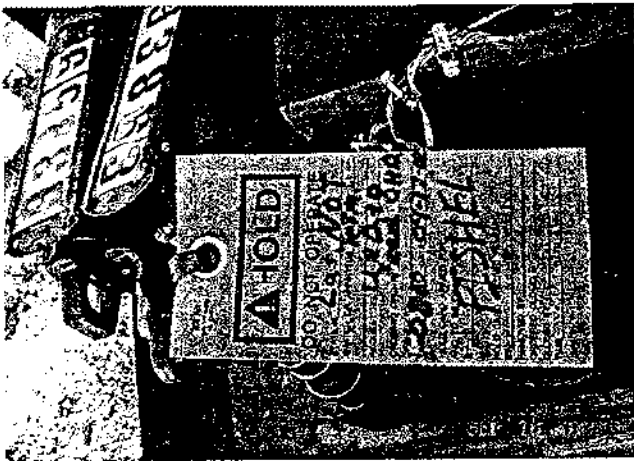
Subdivision layout



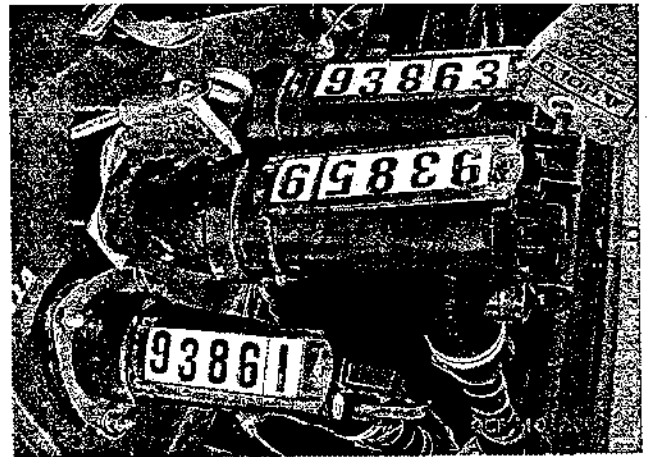
Pad Mount Transformer showing installed card and cable terminations



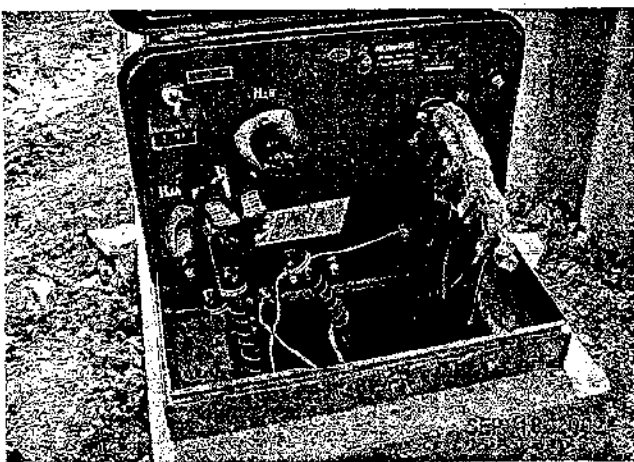
Card installed



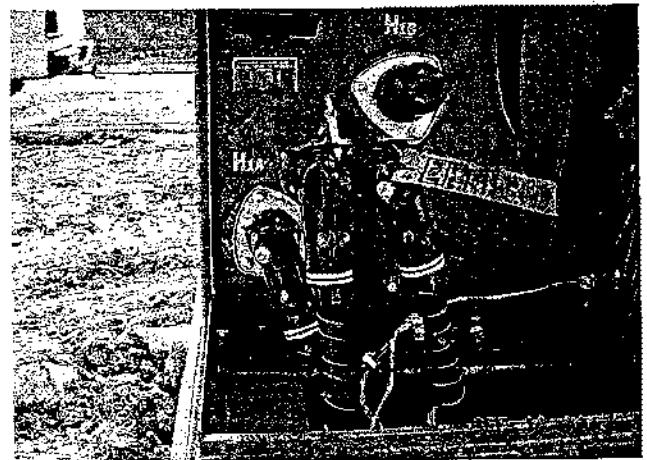
Wording on installed "Card"



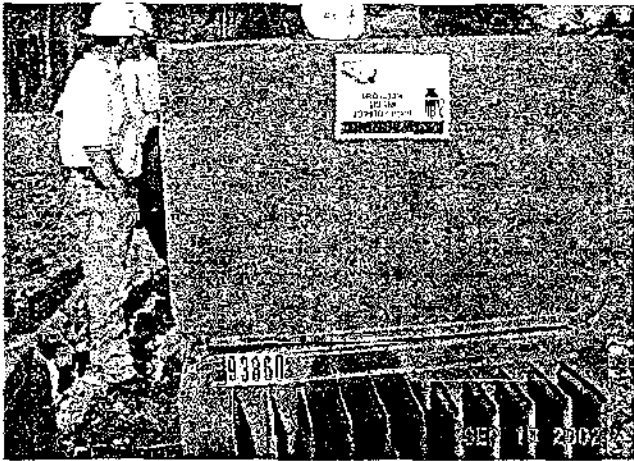
Transformer/Cable Terminations



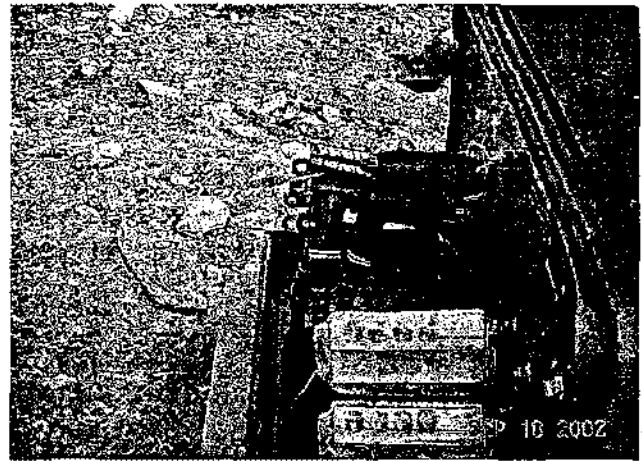
Transformer ~ source for lateral



Transformer ~ source for lateral



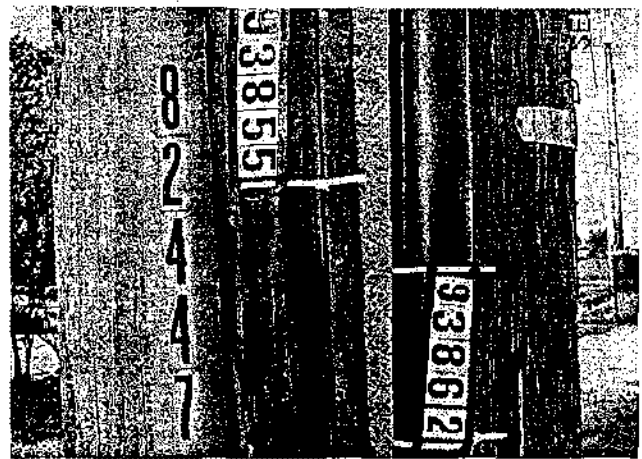
Pad Transformer



Pad Transformer



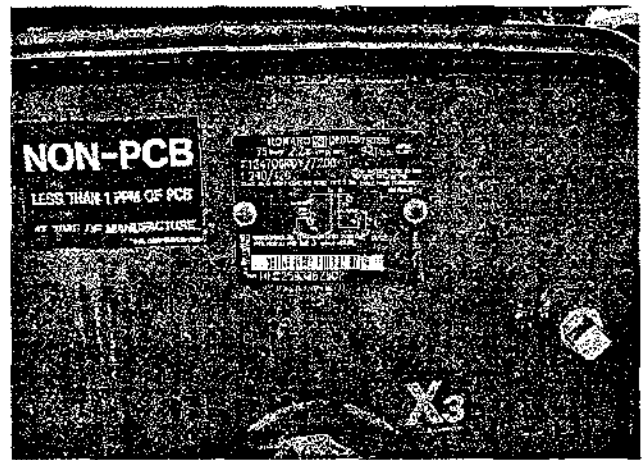
Cable Tag



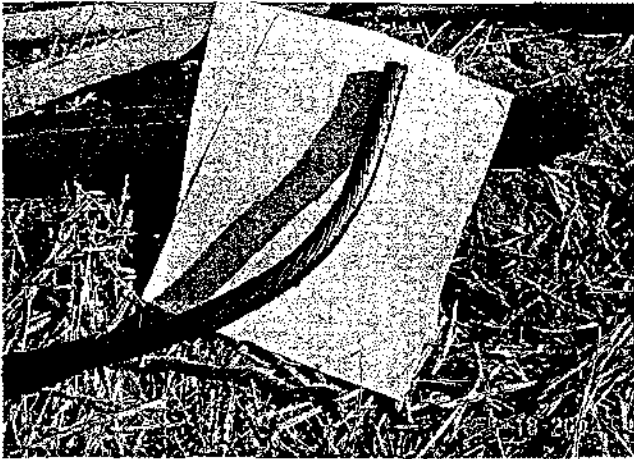
Cable Tags at Drop Pole



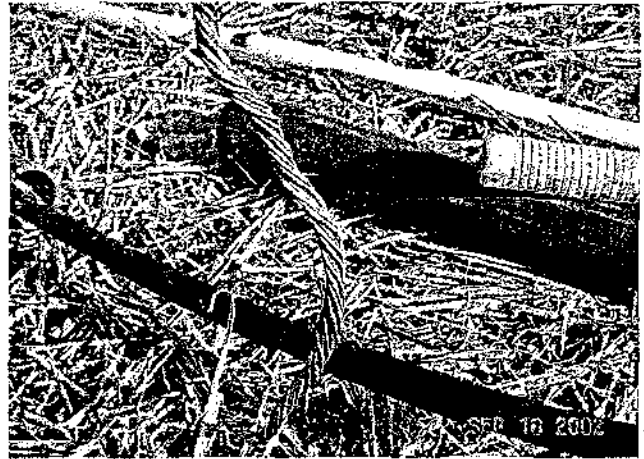
Accident Site



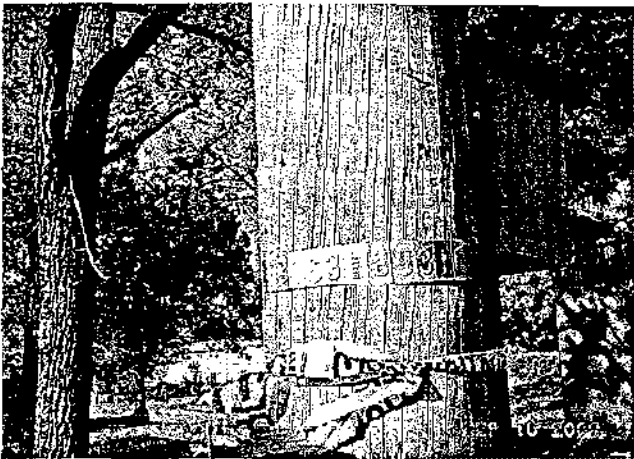
Pad Transformer Nameplate



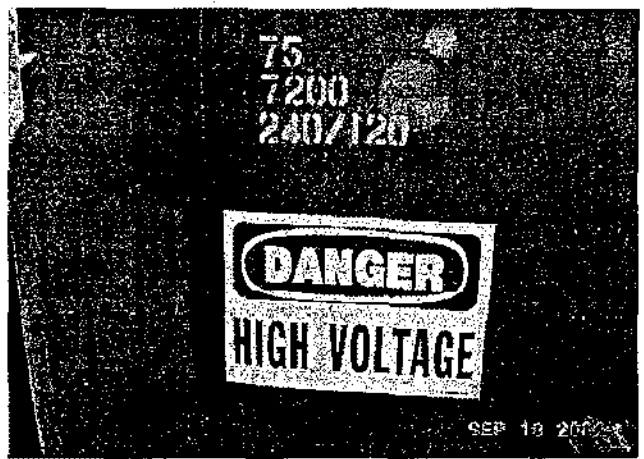
Cable End ~ Accident Contact Burn/Arc Marks



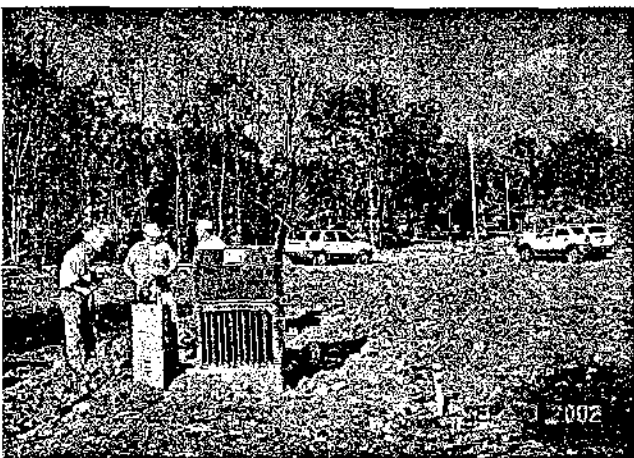
Cable Neutral ~ Burn/Arc Marks



Lateral Pole At Accident Site



Pad Transformer



View From Pad Transformer Toward Accident Site



Entrance Of Subdivision



LG&E ACCIDENT ~ 09/18/2002

This section of cable is the portion apparently removed from the underground lateral by Mr. Walker prior to the accident that resulted in his fatality.

The cable shows results of arcing that was apparently due to the initial fault.

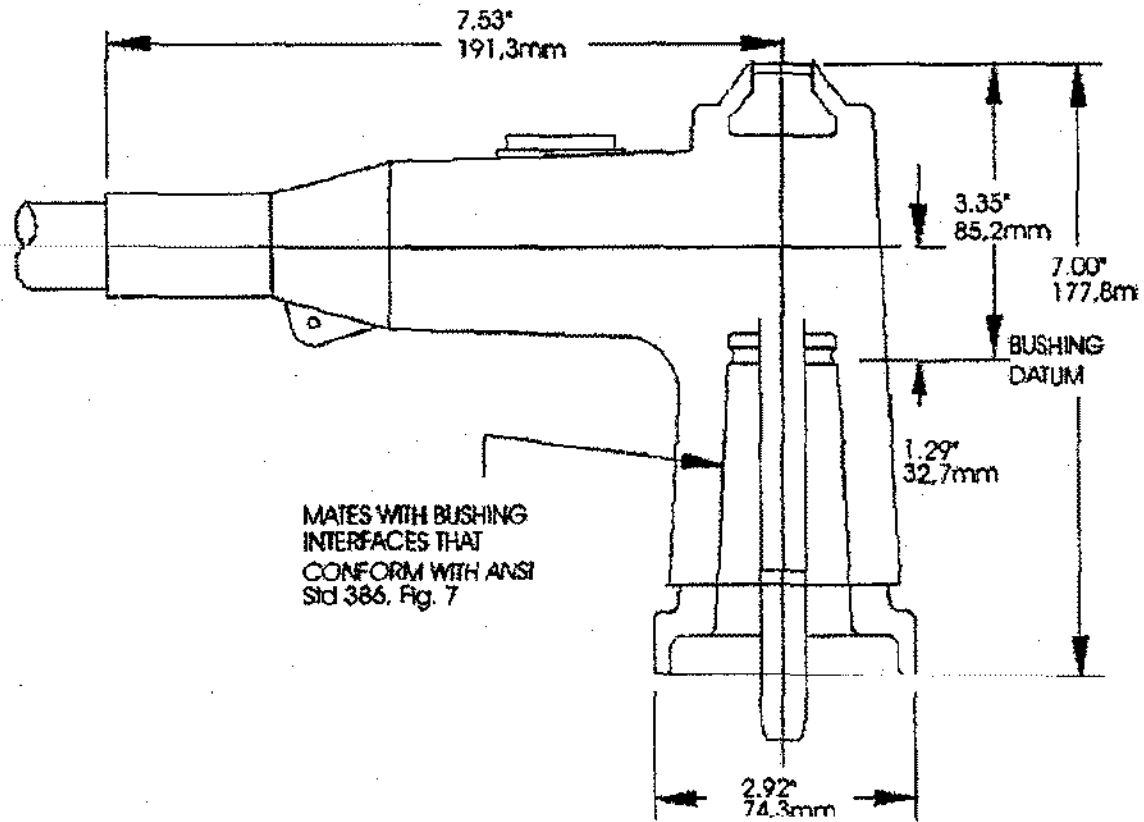
Photo was provided to the KY PSC by Mr. Keith McBride of LG&E.

Elastimold®
Grounding Elbow (1/0 AWG x 6' Ground Lead)

Separable Connectors
200 Amp Loadbreak
160GLR

Voltage Class 15kV

PRODUCT PAGE



Description

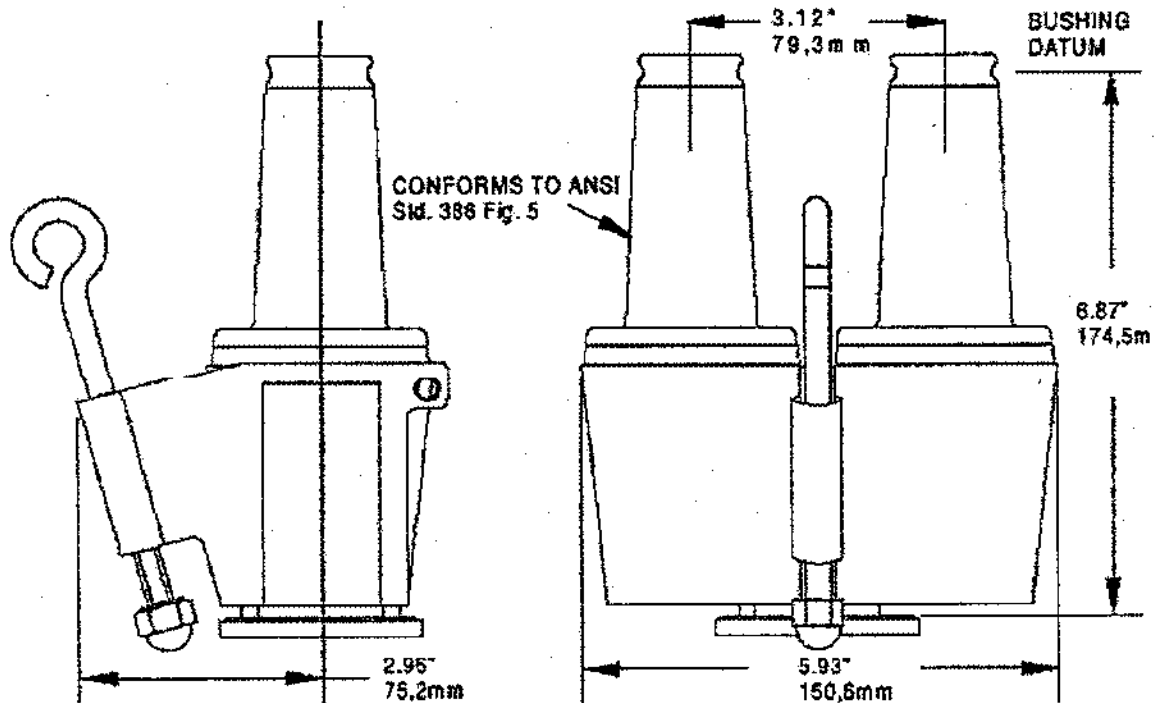
- The 160GLR grounding elbow is designed to visibly ground cables, transformers, switchgear or other equipment. It can be operated alone or in combination with the 164FT feedthru. The 160GLR grounding elbow has a stainless steel pulling eye and a 1/0 AWG, 6 ft, 600 volt insulated, stranded, tinned copper ground lead.

Ordering Instructions

- To order, specify catalog number 160GLR Grounding Plug.

Elastimold®
 Feed-Thru
 Voltage Class 15kV
 PRODUCT PAGE

Separable Connectors
 200 Amp Loadbreak
 164FT



Description

- The 164FT feed-thru is a fully shielded, fully submersible, separable insulated connector designed for energized operation. It is suitable for use on 15kV class loadbreak systems. When used in conjunction with 15kV class elbow connectors, the 164FT provides the circuit with the loadbreak junction point. Testing and grounding of the circuit is accomplished when the 164FT is used in conjunction with the 370TR and 160G. When used in conjunction with a 160DR the 164FT can be used to isolate and "dead-end" the circuit. The 164FT is designed to mate with the following Elastimold products:
 - 165R/166R elbow connector
 - 370TR test rod
 - 160GLR grounding elbow
 - 160DR/DRG insulated cap

Ordering Instructions

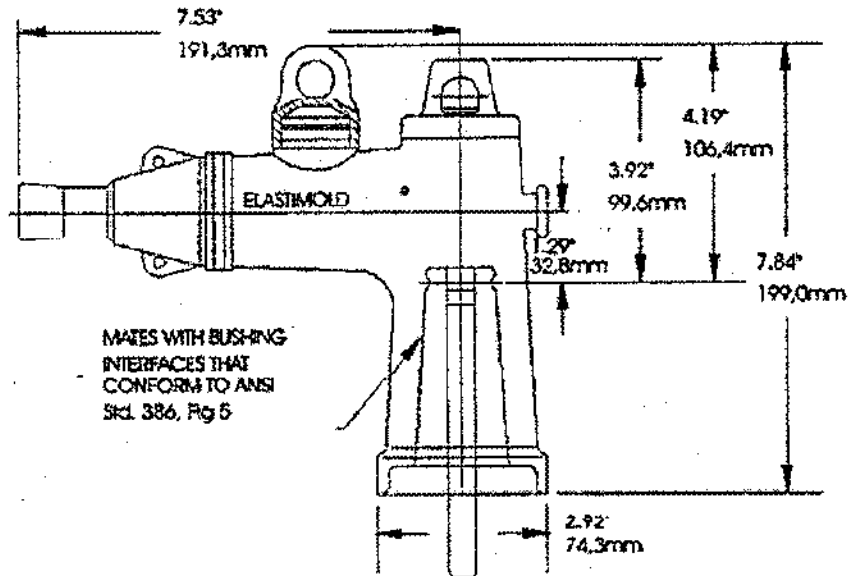
- To order, specify number 164FT Feed thru

Elastimold®
Elbow Connector w/ Test Point

Separable Connectors

200 Amp Loadbreak
166LR-B5240

Voltage Class 15kV
PRODUCT PAGE



Description

- The Elastimold 166LR Elbow Connector is a fully rated 15kV, 200 Amp Class loadbreak connector. It includes provisions for energized operation using standard hotstick tools allowing loadmake/break operation and a visible disconnect. It has a standard interface for connecting to 15kV, 200 Amp bushing inserts, junctions and operating accessories. The 166LR is equipped with an integral voltage test point.

Features

- 15kV, 200 Amp Loadbreak Elbow
- Fully shielded, fully submersible molded rubber housing.
- 100% peroxide-cured construction includes insulation and conductive EPDM materials.
- Non-corrosive, capacitively coupled voltage test point provision with removable protective cap.
- Provision for hot stick operation.
- Provision for ground wire connection.
- Wide cable range with minimum number of sizes.
- Long bi-metal compression lug is standard.

Applications

- The 166LR is designed for connecting to and operating 15kV Class, 200 Amp distribution apparatus. It provides a convenient method to connect/disconnect cable and equipment on power distribution systems. The 166LR allows connection of cables with insulation diameters from 0.575" (14.6mm) to 1.220" (31.0mm) with only four elbow sizes. (#2 solid, 175 mil to 4/0 stranded, 260 mil).