



February 18, 2004

04-RF-00133

Gary Morgan, Functional Lead,
Cadre Project Management Division
DOE, RFPO

**ADDITIONAL INFORMATION FOR FINAL CLOSEOUT REPORTS FOR BUILDINGS 910
AND 993 CLOSURE PROJECTS – FEG-005-04**

Colorado Department of Public Health and Environment (CDPHE) provided comments on the subject closeout reports during an Area Meeting January 7, 2004. To address CDPHE's comments, this letter documents the additional information identified by CDPHE for Buildings 910 and 993. Transmittal to CDPHE and Environmental Protection Agency (EPA), in accordance with the Rocky Flats Clean-Up Agreement (RFCA), is requested.

Please contact Steve Nesta at extension 6386 if you have any questions.

A handwritten signature in cursive script, appearing to read 'Frank E. Gibbs'.

Frank E. Gibbs
Deputy Project Manager
Remediation, Industrial D&D, and Site Services

PGA:pvt

Attachment:
As Stated

Orig. and 1 cc – Gary Morgan

2

Building 910 (Type 2 Facility)

- Fire protection water was supplied to Building 910 through an underground line that entered the building from the south toward the east end of the building. The water line was isolated just south of the building, grouted, and abandoned. The remaining line is approximately 7' deep.
- Domestic water was supplied to Building 910 through an underground line that entered the building from the south toward the west end of the building. The water line was isolated just south of the building, grouted, and abandoned. The remaining line is approximately 7' deep.
- Natural gas was supplied to Building 910 through an underground line that entered Building 910 through the northwest corner of the building. From the northwest corner of the building, the line turned south along the west end of the building to the main natural gas line located approximately 50' south of Building 910. August 13, 2002, the natural gas line between Building 910 and the main gas line was isolated and purged with nitrogen. This section of line was removed September 2002.
- Steam was provided to Building 910 through an overhead steam line. The steam line entered the building from the south and slightly west of center of the building. This line was air gapped above ground and the line removed September 2002.
- Sanitary sewer line entered Building 910 from the northeast corner of the building. This line was flushed with water, isolated at the building foundation, and grouted. The remaining line is approximately 8' deep.
- Alarms system service was provided through an underground line that ran from the northeast corner of Building 910 basement to an alarms junction box located to the east of Building 910. The wiring, conduit, and alarms junction box were left in place. The conduit is approximately 3' deep.
- Electrical service was provided through an underground line from the southeast corner of Building 910 to a transformer located east of the building. Transformer, pad, wiring, and conduit were all removed. Wiring and conduit between the transformer and the main power distribution and overhead conductors, located east of the transformer, were left in place. The conduit is approximately 3' deep.
- Telephone and LSDW system wiring entered the building from the south through the steam/condensate line structure. These lines were removed with the steam line.
- Process line (OPWL) between Building 910 and the solar ponds was left in place. The line was cut flush with the foundation of Building 910 and the ends were grouted. The line is 10'-12' deep. The above ground process line between Building 910 and Building 774 was removed.
- The basement of Building 910 remains intact 4' below grade. The remaining concrete associated with the facility and support systems including the two drying beds to the east of Building 910, 228A and 228B, were completely removed with Building 910.

See Attachment 1, Building 910 Map, for location of the lines for fire protection, domestic water, natural gas, sanitary sewer, electric, telephone, alarms, and steam/condensate.

Building 993 (Type 2 Facility)

Building 993 characterization was performed in accordance with the Pre-demolition Survey Plan (MAN-127-PDSP). All facility surfaces were characterized including the interior and exterior surfaces [i.e., floors (slabs), walls, ceilings and roofs]. Results indicated that no radiological contamination existed in excess of PDSP unrestricted release limits of DOE Order 5400.5. Although all accessible portions of the 993 slab were less than the PDSP unrestricted release limits of DOE Order 5400.5, there was historical knowledge that the under-grade pit in the slab of 993 may potentially contain depleted uranium contamination (explosive bonding pit tank and concrete footing). Since the under-grade pit was filled with sand and capped with concrete, making the pit inaccessible for surveys and sampling, the 993 under-grade pit was assumed to be radiologically contaminated and managed as such during demolition. Building 993 concrete slab was removed and disposed of as sanitary waste (total construction debris 100 m³, 67.5 Tons). The explosive bonding pit tank (steel) and concrete footing for the tank was disposed of as Low Level Waste (LLW) (33.7 m³, 15.7 Tons).

Environmental media beneath and surrounding the facility was not within the scope of the demolition project and will be addressed at a future date by Environmental Restoration (ER) using the IA SAP and ER RSOP as necessary pursuant with RFCA. Building 993 was located east of Building 991 and south of the Building 995 Complex. The building was located in the Individual Hazardous Substance Site (IHSS) group 900-1, Potential Area of Concern (PAC) 900-1307. ER RFCA Standard Operation Protocol for Routine Soil Remediation FY03, Notification #03-05, provides Notification to invoke the ER RSOP for IHSS Group 900-1. The RSOP Notification remediation plan for IHSS Group 900-1 describes remediation activities. Deviation from the remediation plan includes the disposal of the slab as sanitary waste instead of LLW.

Building 993 was not equipped with sanitary sewer lines, process drain lines or drain field; hence, the original Final Closeout Report was in error. Utilities were limited to domestic water line, electrical service, and alarms. The domestic water line entered the building from the south. This line was cut and capped 4' below grade. Electrical service was provided through an underground line that was fed from a power pole located northeast of the building. Wires were pulled from the conduit and the conduit left in place. The remaining conduit is approximately 3' deep. The power pole was removed.

Alarms system wiring entered the building underground from an alarm box located at the southwest corner of the building. The alarm box was removed and the conduit between the alarm box and the building stripped of wires and the conduit left in place. The remaining conduit is approximately 2' deep.

The Building 993 alarm box was connected to two alarm junction boxes, one located east of Building 989 and the other alarm junction box located south of the 995 Complex. These alarm junction boxes were removed and the conduit to the Building 993 alarm box stripped of wiring. The remaining conduit between Building 993 and these alarm junction boxes were left in place. The remaining conduit is approximately 2' deep.

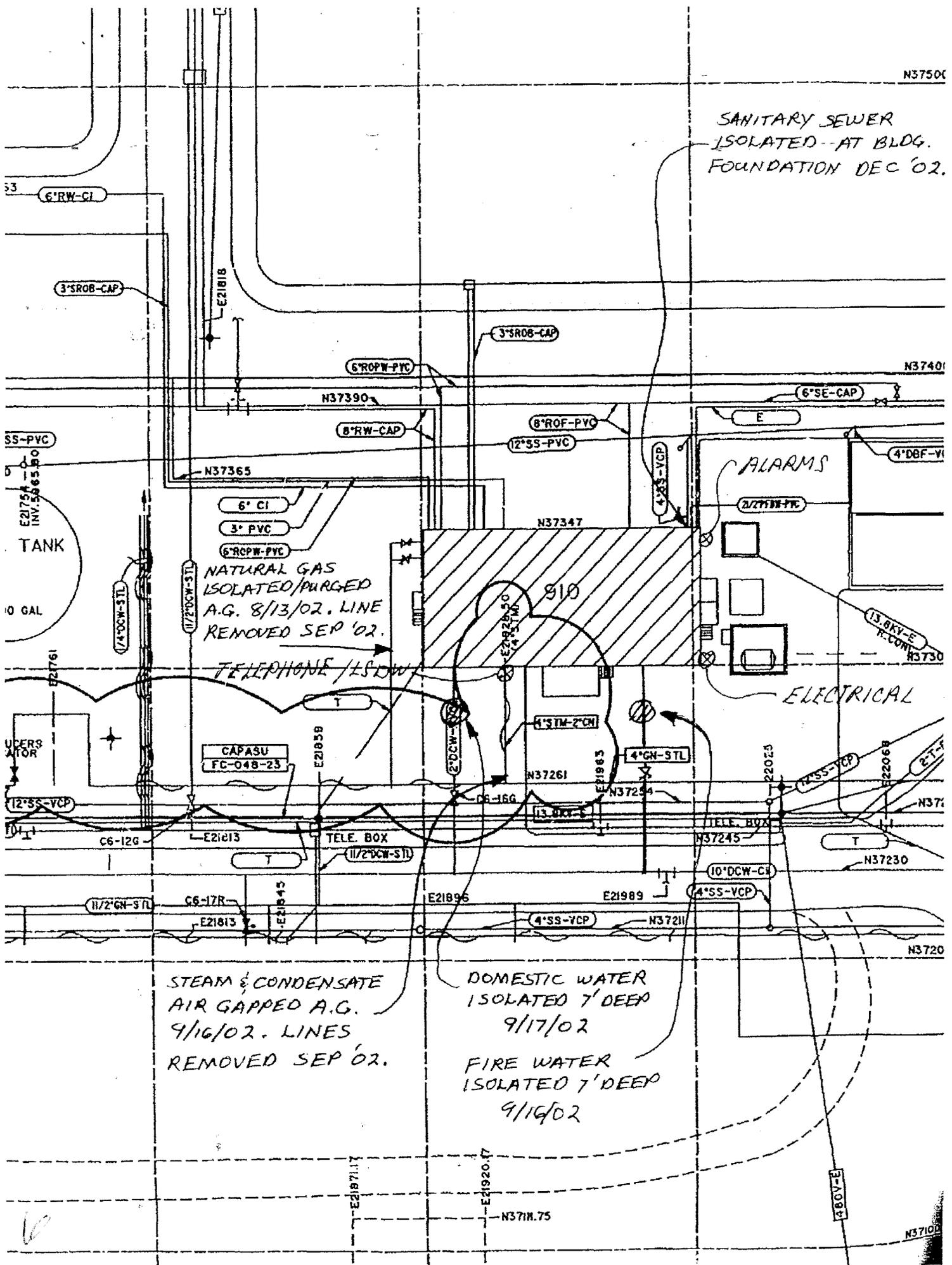
See Attachment 2, Building 993 Map, for the location of the domestic water line, electrical line, and alarm lines.

Attachment 1

Building 910 Map - Fire Protection Line, Domestic Water Line, Sanitary Sewer Line, Natural Gas Line, Electrical Line, and Telephone/LSDW Line

N37500

SANITARY SEWER ISOLATED AT BLDG. FOUNDATION DEC '02.



NATURAL GAS ISOLATED/PURGED A.G. 8/13/02. LINE REMOVED SEP '02.

TELEPHONE / LSJW

ALARMS

ELECTRICAL

STEAM & CONDENSATE AIR GAPPED A.G. 9/16/02. LINES REMOVED SEP '02.

DOMESTIC WATER ISOLATED 7' DEEP 9/17/02

FIRE WATER ISOLATED 7' DEEP 9/16/02

6\"/>

3\"/>

6\"/>

3\"/>

N37390

8\"/>

8\"/>

12\"/>

6\"/>

SS-PVC

E2175A
INV. 5465.80

TANK

10 GAL

1/4\"/>

1 1/2\"/>

6\"/>

3\"/>

6\"/>

N37347

910

E21825
1/4\"/>

4\"/>

4\"/>

CAPASU
FC-048-23

TELE. BOX

TELE. BOX

C6-126

E21813

1 1/2\"/>

N37261

E21863

N37254

22025

22068

N37230

1 1/2\"/>

C6-17R

E21813

E21845

E21895

E21889

10\"/>

4\"/>

N37230

N3720

E21871.17

E21920.17

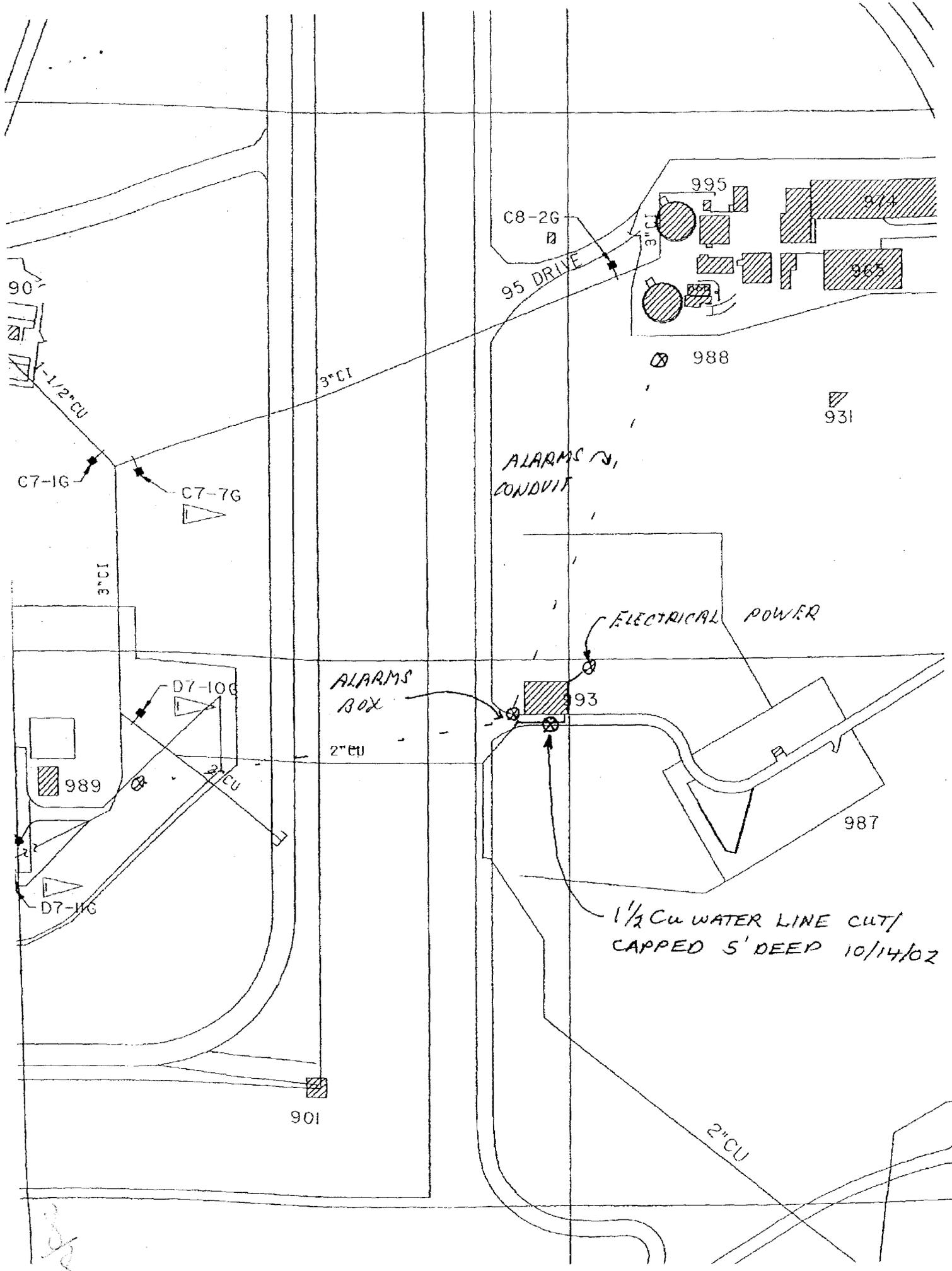
N371M.75

480V-E

N37100

Attachment 2

Building 993 Map - Location of Domestic Water Line, Electrical Line, Telephone Line and Alarm System Lines



C8-2G
Ø

95 DRIVE

995

974

965

Ø 988

▽ 931

3" CI

ALARMS &
CONDUIT

ELECTRICAL POWER

ALARMS
BOX

93

2" CU

987

1/2" CU WATER LINE CUT/
CAPPED 5' DEEP 10/14/02

901

2" CU

C7-1G

C7-7G

1" CI

D7-10G

989

2" CU

D7-11G

90

1-1/2" CU

3/28