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Report.HW. 712004.1995-05-01.Drum\_Inventory\_and\_Location\_Survey.PDF

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## TECHNICAL MEMORANDUM

REPORT

**To:** File

**Date:** 5/1/95

**From:** N.E. Gensky

**File No:** 0494 494.01 #3

**Re:** Drum Inventory and Location Survey

**cc:**

**Transmitted Via:** Interoffice

**Pages Sent:** 2 (w/attachment)

This technical memorandum describes the work efforts completed during the drum inventory and location survey for the property located on the southwest side of the Rosen Site, which is owned by the City of Cortland.

### Drum Inventory and Location Survey

The drum inventory and location survey was completed on March 24 and April 7, 1995 by visually locating and recording descriptions of drums or drum fragments exposed at the ground surface.

Minolta Weathermatic (10 power) binoculars were used to view the drums from the Rosen Site property. A Minolta Maxuum 7000 camera with a 70 millimeter lens and a Nikon 35-millimeter camera equipped with a zoom lens were used to obtain photographs of visible drums. A photograph log is provided as Attachment A.

Field personnel walked along the southern boundary of the Rosen Site adjacent to the Perplexity Creek tributary from the southeast corner to the southwest corner. A total of 33 drums or drum fragments were visible either to the naked eye or through the binoculars. The drums or drum fragments were located on the hillside south of the Perplexity Creek tributary and west of monitoring well W-21. Figure 1 presents the locations of the visible drums or drum fragments. The locations of visible drums or drum fragments are approximate only. The angular and distance measurements were taken with a Topcon Total Station Instrument. These measurements were further supplemented with estimated distances and angular corrections from the approximate property line to each individual drum or drum fragment. The measurements recorded by the survey team are a combination of the above methods. Drums 4A and 24A were discovered on April 7, 1995 after the instrument survey and the locations presented on Figure 1 are estimated distances from Drum #4 and Drum #24, respectively.

The visible drums or drum fragments appeared very rusted and no labels, lettering, or other markings were observed except on Drum #20 and Drum #24. Drum #20 has the lettering "STC" inscribed on one end. Drum #24 has the following lettering inscribed on one end "DPS5636A". Drum #27 is rusted, severely crushed, and contains a white powder substance, which had leaked out one end. A summary table of the drum or drum fragment number designation and a description of each drum or drum fragment is presented as Table 1. The designations on this table correspond to the drums or drum fragments located on Figure 1.

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Other items that were visible on the hillside south of Perplexity Creek tributary and south of the Rosen Site included: hose fragments, glass pieces, rusted soda and beer cans, metal fragments, wire mesh pieces, a mattress spring, paint cans (most were rusted), tires, refrigerator parts, part of an old washing machine, pottery fragments, concrete pavement slabs, glass bottles, and glass soda bottles.



TABLE 1

CITY OF CORTLAND PROPERTY  
DRUM INVENTORY AND LOCATION SURVEY  
CORTLAND, NEW YORK

SUMMARY OF DRUM LOCATIONS AND DESCRIPTIONS

Drum Designation	Description
Drum #1	The 55-gallon drum is resting against an old wooden post with barbed wire. The wooden post is leaning against a tree. The drum was very rusted, crushed on one end, and had an opening in the other end, which faced downslope.
Drum #2	The 55-gallon drum is rusted and partially buried. One end is missing.
Drum #3	The 55-gallon drum is rusted, partially buried, and has an opening on the end facing downslope.
Drum #4A	The 55-gallon drum is almost completely buried, rusted, and open-ended.
Drum #4	The rusted 55-gallon drum is partially buried with the open end sticking up out of the ground surface.
Drum #5	The rusted 55-gallon drum is laying on its side on top of the ground surface. It has an opening on the side facing up.
Drum #6	The rusted 55-gallon drum is laying on its side and appears to have openings on the sides facing up and down and on the end facing downslope.
Drum #7	The rusted 55-gallon drum is crushed and split open. It is missing the end facing downslope.
Drum #8	The rusted 55-gallon drum is laying on its side on top of the ground surface. It is slightly bent on one end.
Drum #9	The rusted drum is partially buried on its side and is crushed. The end facing downslope appears open.
Drum #10	The rusted 55-gallon drum is partially buried on its side with an opening on the end facing downslope.
Drum #11	The rusted drum is severely crushed.
Drum #12	The rusted drum is severely crushed.
Drum #13	The rusted drum is mostly buried on its side and severely crushed. The side towards the ground appears split open.



TABLE 1

CITY OF CORTLAND PROPERTY  
DRUM INVENTORY AND LOCATION SURVEY  
CORTLAND, NEW YORK

SUMMARY OF DRUM LOCATIONS AND DESCRIPTIONS

Drum Designation	Description
Drum #14	The rusted drum is laying on its side and is severely crushed.
Drum #15	The rusted drum is laying on its side and is severely crushed.
Drum #16	The rusted 55-gallon drum is laying on its side and appears split open on one end.
Drum #17	The rusted drum is severely crushed and is partially buried.
Drum #18	The partially rusted 55-gallon drum is laying on its side on the ground surface and is open ended.
Drum #19	The partially rusted 55-gallon drum is laying on its side on the ground surface. There is a circular opening on one end.
Drum #20	The partially buried drum is severely rusted and crushed. One end has lettering on it ("STC").
Drum #21	The partially buried drum is severely rusted and crushed.
Drum #22	This drum is quite a distance up on the hillside. It appears rusted and crushed.
Drum #23	This rusted 55-gallon drum is partially buried and laying on its side. Both ends are missing.
Drum #24	This rusted 55-gallon drum is laying on its side on the ground surface. It has lettering on one of its ends ("DPS5636A").
Drum #24A	The rusted drum is severely crushed and partially buried.
Drum #25	The rusted 55-gallon drum is laying on its side on the ground surface amidst abundant cement pieces.
Drum #26	The rusted 55-gallon drum is laying on its side on the ground surface. There is a circular opening on one end similar to the one observed on Drum #19. There appear to be rusted paint cans on the ground adjacent to this drum.

TABLE 1

CITY OF CORTLAND PROPERTY  
DRUM INVENTORY AND LOCATION SURVEY  
CORTLAND, NEW YORK

## SUMMARY OF DRUM LOCATIONS AND DESCRIPTIONS

Drum Designation	Description
Drum #27	The rusted drum is severely crushed. There is a white powdery substance inside the drum that is spilling out from the downslope, split open end.
Drum #28	The rusted drum is laying on its side on the ground surface against a tree. Both ends are missing.
Drum #29	The rusted, partially buried drum is laying on its side with a rotten fallen tree over the top of it. The downslope end is open.
Drum #30	The rusted 55-gallon drum is near the top of the hillside before it flattens out. It is resting against a tree, which is downslope of the drum. It appears the drum is partially buried and the downslope end is missing.
Drum #31	The rusted 55-gallon drum is laying on its side on the ground surface. The downslope end is missing and it contains openings on the side facing up.



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# **ATTACHMENT A**

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## ***Photograph Log***

***City of Cortland Property  
Drum Inventory and Location Survey  
Cortland, New York***





Drum #1



Drum #1





Drum #2



Drum #3





Drum #4A





Drum #4



Drum #5





Drum #6



Drum #6 (far left)





Drum #7



Drum #9





Drum #8





Drum #10



Drum #11 (right) Drum #12 (left)





Drum #13





Drum #14





Drum #15



Drum #16





## Drum Inventory and Location Survey



Debris of Drums: #17 (below tire); #18 (top); #19 (below #18); #20 (bottom left); #21 (next to #20)



Drum #17





Drum #18



Drum #19





## Drum Inventory and Location Survey



Drum #20



Drum #21





## Drum Inventory and Location Survey



Drum #22



Drum #22





Drum #23



Drum #24





Drum #24A



Drum #25





Drum #25



Drum #26





Drum #27



Drum #27





## Drum Inventory and Location Survey



Drum #27



Drum #28





Drum #29





Drum #30



Drum #30





Drum #31





- LEGEND:
- TREE
  - UTILITY POLE
  - MANHOLE
  - CATCH BASIN
  - WATER VALVE
  - HYDRANT
  - MONITORING WELL
  - DRUM-3 ○ DRUM LOCATION

NOTES:

ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929.

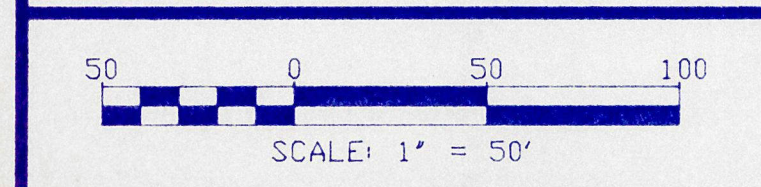
LOCATION OF UNDERGROUND UTILITIES AND OTHER UNDERGROUND STRUCTURES OBTAINED BY FIELD MEASUREMENT WHERE POSSIBLE OTHERWISE OBTAINED FROM OTHER SOURCES AND MAY BE APPROXIMATE ONLY. OTHER UNDERGROUND UTILITIES AND STRUCTURES MAY EXIST, THE LOCATIONS OF WHICH ARE PRESENTLY UNKNOWN.

COORDINATES ARE BASED ON AN ASSUMED GRID.

CONTOUR INTERVAL = 2 FEET.

ALL DRUM LOCATIONS ARE APPROXIMATE.

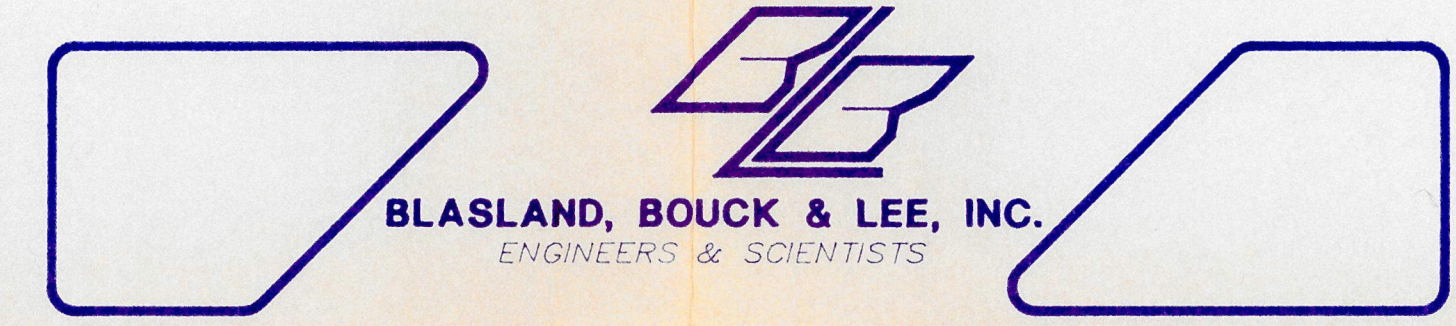
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ROSEN PRP GROUP  
**FIGURE 1**  
**DRUM LOCATION MAP**

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