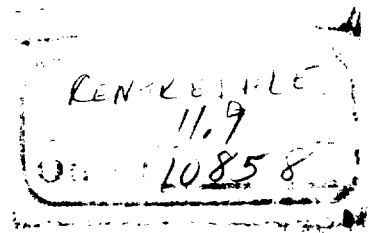


US EPA ARCHIVE DOCUMENT

M E M O



DATE: October 19, 1981

TO: File

FROM: Bill Lund

REFERENCE: Centerdale Manor

On October 15, I met with Mr. Gerry Graff from The Robinson Green Beretta Corporation and his father at the above captioned jobsite. We observed one smoking barrel of sulfuric acid and many other barrels of varying materials. It was Senior Mr. Graff's opinion that the other materials would have no detrimental effect and their contents were not hazardous.

On October 16, 1981, Marshall Contractors, Inc. engaged Jet-Line Services, Inc. from Stoughton, Massachusetts to remove the container with the sulfuric acid in it. We also met with Mr. John P. Leo and Mr. Alan R. Brodd from State of Rhode Island, Department of Environment Management, Division of Air and Hazardous Materials. After examining the container, it was indicated that it should be removed from the site and disposed of which was accomplished by Jet-Line Services, Inc.

We also reviewed the site with Gerry Graff who was inspecting the test pits as indicated on the RGB drawing, and were informed that the other barrels on the site should be collected into one location for their inspection at a later date. Those barrels which appeared to have potential waste problems were to be analyzed. The remaining barrels were to be disposed of and a manifest would be provided for same.

We also agreed that, upon the commencement of any further site work at this project, Marshall Contractors, Inc. would notify either Alan or John. It was also suggested by Gerry Graff that possibly his father or another gentleman be present at the time of this barrel expedition to log and identify each barrel to aid the state, as well as ourselves. I feel this should be done at the time of the site work commencement.

cc: Stan Puddicombe

# THE ROBINSON GREEN BERETTA CORPORATION

2 JOHN STREET PROVIDENCE, RHODE ISLAND 02906 401 272-1730

2 November 1981



Marshall Contractors, Inc.  
75 Newman Avenue  
Rumford, RI 02916

Attn: William Lund

Re: Centredale Manor  
North Providence, RI  
RGB #2629-3

Gentlemen:

Enclosed please find three (3) copies of Test Pit Logs  
dated October 16, 1981, for your use and information.

Very truly yours,

THE ROBINSON GREEN BERETTA CORPORATION

Gerhard H. Graf, P.E.  
Vice President

GHG/lhg

Encs.

DISTRIBUTION

|       |                                     |
|-------|-------------------------------------|
| P.M.  | <input checked="" type="checkbox"/> |
| R.E.  | <input checked="" type="checkbox"/> |
| P.E.  | <input checked="" type="checkbox"/> |
| Purch | <input type="checkbox"/>            |
| Field | <input type="checkbox"/>            |
| File  | <input checked="" type="checkbox"/> |
| Other | <input type="checkbox"/>            |

*Estimation*

ADP 000220

# THE ROBINSON GREEN BERETTA CORPORATION

2 JOHN STREET PROVIDENCE, RHODE ISLAND 02906 401 272-1730

TEST PITS - October 16, 1981

Project: Centerdale Manor

RGB #2629

## Observed by the Following:

W. Lund

Marshall Contractors, Inc.

R. Keaney

Marshall Contractors, Inc.

G. H. Graf

The Robinson Green Beretta Corp.

### TP-1 Moved 20' West

0 to 2" broken asphalt  
2" to 4'-0" mixed sand and gravel fill  
some oil and chemical saturation  
chemical odors  
4'-0" to 6'-0" silty subsoil with chemical saturation  
6'-0" to 7'-0" boney gravel  
water weeping @ 4'-0"

### TP-2

0 to 2'-0" mixed debris  
2'-0" to 3'-0" silty subsoil, possible fill  
3'-0" to 10'-0" med. dense boney gravel  
water @ 5'-0"  $\pm$

### TP-3

0 to 4'-0" silt & sand fill  
4'-0" to 5'-0" probable original topsoil and peat  
5'-0" to 10'-0" med. dense boney gravel  
water @ 4'-6"  $\pm$

### TP-4

0 to 4'-6" misc. earth and organic fill  
4'-6" to 6'-0" probable original subsoil  
6'-0" to 9'-0" boney gravel  
water running @ 3'-0"  $\pm$   
all stratas saturated with heavy oil

### TP-5

0 to 4'-0" misc. organic fill  
4'-0" to 5'-6" probable original top & subsoil  
5'-6" to 10'-0" med. dense boney gravel  
water running @ 3'-0"

ADP 000221

TEST PITS - Oct ber 16, 1981  
Project: Centerdale Manor  
RGB #2629

TP-6 15' West of B-2

0 to 3'-6" earth & timber debris  
3'-6" to 4'-6" silty subsoil, perched water @ 2'-6"  
4'-6" to 9'-0" med. dense boney gravel

NOTE: All test pits had chemical odors

GHG:sek

# TEST PIT FIELD LOG

GOLDBERG · ZOINO & ASSOC., INC  
GEOTECHNICAL/GEOHYDROLOGICAL  
CONSULTANTS

PROJECT  
DESCRIPTION CENTERDALE MARINA  
LOCATION NO. PROV., R.I.

TEST PIT No. TP-C  
FILE No. \_\_\_\_\_  
DATE 1/12/82

GZA ENGINEER W. KOSINSKI  
WEATHER CLEAR, COLD 10°-20°

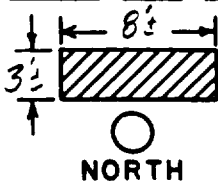
EXCAVATION EQUIPMENT  
CONTRACTOR PEZZA  
OPERATOR \_\_\_\_\_  
MAKE JOHN DEERE MODEL JD510  
CAPACITY 1.5 CYL. REACH 11 ft.

GROUND ELEV. 97±  
TIME STARTED AM  
TIME COMPLETED AM

| DEPTH      | SOIL DESCRIPTION   |                                                                                                                 | EXCAV. EFFORT | BOULDER COUNT QTY. CLASS. | REMARK No. |
|------------|--------------------|-----------------------------------------------------------------------------------------------------------------|---------------|---------------------------|------------|
| 0          |                    | BURMISTER<br>BROWN, DARK BROWN COARSE TO FINE SAND, SOME COARSE TO FINE GRAVEL.                                 |               |                           |            |
| 0.5 TO 1.0 |                    |                                                                                                                 | E             |                           |            |
| 1'         | SANDY ORGANIC SILT | BROWN, GRAY ORGANIC SILT AND FINE SAND, LITTLE FINE GRAVEL, TRACE ROOTS, ORG. SILT SLIGHTLY PLASTIC.            | E             |                           | (1)        |
| 2'         |                    | LOCALIZED AREAS OF WATER SEEPAGE.<br>SWEET CHEMICAL ODOR                                                        | E             |                           |            |
| 3'         | 3.25               |                                                                                                                 |               |                           |            |
| 4'         | SANDY GRAVEL       | BROWN, DARK GRAY STAINED COARSE TO FINE GRAVEL, SOME COARSE TO FINE SAND, TRACE COBBLES, TRACE NON-PLASTIC SILT | E             |                           |            |
| 5'         |                    |                                                                                                                 | E-M           |                           |            |
| 6'         | 5.5±               |                                                                                                                 | E-M           |                           | (2)        |
| 7'         | 7±                 | APPROXIMATE BOTTOM OF TEST PIT COULD NOT SEE DUE TO RAPID GROUNDWATER SEEPAGE AND CAVING IN OF SIDEWALLS        | E-M           |                           | (3)        |
| 8'         |                    |                                                                                                                 |               |                           |            |
| 9'         |                    |                                                                                                                 |               |                           |            |
| 10'        |                    | NOTE: SWEET CHEMICAL ODOR IN SANDY ORGANIC SILT STRATUM<br>OILY ODOR IN SANDY GRAVEL STRATUM                    |               |                           |            |
| 11'        |                    | GROUNDWATER LEVEL FROM SEEPAGE INTO PIT, ACTUAL G.W.L. MAY BE HIGHER<br>COBBLES ≥ 4", ≤ 6"                      |               |                           |            |
| 12'        |                    |                                                                                                                 |               |                           |            |
| 13'        |                    |                                                                                                                 |               |                           |            |
| 14'        |                    |                                                                                                                 |               |                           |            |

REMARKS: (1) JAR SAMPLE OBTAINED - 56 - @ 2'±  
(2) JAR SAMPLE OBTAINED - 57 - @ 5'±  
(3) WATER SAMPLE OBTAINED FROM GROUNDWATER SEEPAGE INTO PIT - GW-C

## TEST PIT PLAN



## LEGEND:

BOULDER COUNT  
SIZE RANGE LETTER CLASSIFICATION DESIGNATION  
6" - 18" A  
18" - 36" B  
36" AND LARGER C

## PROPORTIONS

USED  
TRACE (TR.) 0 - 10%  
LITTLE (LI.) 10 - 20%  
SOME (SO.) 20 - 35%  
AND 35 - 50%

## ABBREVIATIONS

F - FINE  
M - MEDIUM  
C - COARSE  
F/M - FINE TO MEDIUM  
F/C - FINE TO COARSE  
V - VERY  
GR - GRAY  
BN - BROWN  
YF - YELLOW

## EXCAVATION

EFFORT  
E - EASY  
M - MODERATE  
D - DIFFICULT  
GROUNDWATER

ADP 000223

# TEST PIT FIELD LOG

GOLDBERG, ZOINO & ASSOC., INC.  
GEOTECHNICAL/GEOHYDROLOGICAL  
CONSULTANTS

PROJECT  
DESCRIPTION CENTERDALE MARINA  
LOCATION No. Prov., R.I.

TEST PIT No. TP-C  
FILE No. \_\_\_\_\_  
DATE 1/12/82

GZA ENGINEER W. KOSINSKI  
WEATHER CLEAR, COLD 10°-20°

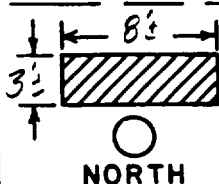
EXCAVATION EQUIPMENT  
CONTRACTOR PERRA  
OPERATOR \_\_\_\_\_  
MAKE JOHN DEERE MODEL JD510  
CAPACITY 12 CYL REACH 11 ft.

GROUND ELEV. 97±  
TIME STARTED AM  
TIME COMPLETED AM

| DEPTH | SOIL DESCRIPTION                                                                                                | EXCAV. EFFORT | BOULDER COUNT QTY. CLASS. | REMARK No. |
|-------|-----------------------------------------------------------------------------------------------------------------|---------------|---------------------------|------------|
| 0     | BROWN, DARK BROWN COARSE TO FINE SAND, SOME COARSE TO FINE GRAVEL.                                              | E             |                           |            |
| 1     | BROWN, GRAY ORGANIC SILT AND FINE SAND, LITTLE FINE GRAVEL, TRACE ROOTS, ORG. SILT SLIGHTLY PLASTIC.            | E             |                           | (1)        |
| 2     | LOCALIZED AREAS OF WATER SEEPAGE. SWEET CHEMICAL ODOR                                                           | E             |                           |            |
| 3     |                                                                                                                 | E             |                           |            |
| 4     | BROWN, DARK GRAY STAINED COARSE TO FINE GRAVEL, SOME COARSE TO FINE SAND, TRACE COBBLES, TRACE NON-PLASTIC SILT | E-M           |                           |            |
| 5     |                                                                                                                 | E-M           |                           | (2)        |
| 6     |                                                                                                                 | E-M           |                           |            |
| 7     | APPROXIMATE BOTTOM OF TEST PIT COULD NOT SEE DUE TO RAPID GROUNDWATER SEEPAGE AND CAVING IN OF SIDEWALLS        |               |                           | (3)        |
| 8     |                                                                                                                 |               |                           |            |
| 9     |                                                                                                                 |               |                           |            |
| 10    |                                                                                                                 |               |                           |            |
| 11    |                                                                                                                 |               |                           |            |
| 12    |                                                                                                                 |               |                           |            |
| 13    |                                                                                                                 |               |                           |            |
| 14    |                                                                                                                 |               |                           |            |

REMARKS: (1) JAR SAMPLE OBTAINED - 56' @ 2'±  
(2) JAR SAMPLE OBTAINED - 57' @ 5'±  
(3) WATER SAMPLE OBTAINED FROM GROUNDWATER SEEPAGE INTO PIT - GW-C

## TEST PIT PLAN



## LEGEND:

BOULDER COUNT  
SIZE RANGE LETTER DESIGNATION  
6" - 18" A  
18" - 36" B  
36" AND LARGER C

## PROPORTIONS

USED  
TRACE (TR.) 0 - 10%  
LITTLE (LI.) 10 - 20%  
SOME (SO.) 20 - 35%  
AND 35 - 50%

## ABBREVIATIONS

F - FINE  
M - MEDIUM  
C - COARSE  
F/M - FINE TO M  
F/C - FINE TO C  
V - VERY  
GR - GRAY  
BN - BROWN  
YEL - YELLOW

## EXCAVATION

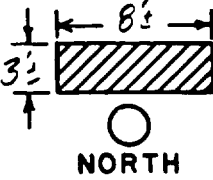
EFFORT  
E - EASY  
M - MODERATE  
ADP 000224  
READING G.W.L.

# TEST PIT FIELD LOG

|                                                                                              |                                                                                                                                                                                                                                 |                                                                                        |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>GOLDBERG · ZOINO &amp; ASSOC., INC</b><br><b>GEOTECHNICAL/GEOHYDROLOGICAL CONSULTANTS</b> | <b>PROJECT</b><br><b>DESCRIPTION</b> <u>CENTERDALE MARINA</u><br><b>LOCATION</b> <u>N.O. PROV., R.I.</u>                                                                                                                        | <b>TEST PIT No.</b> <u>TP-C</u><br><b>FILE No.</b> _____<br><b>DATE</b> <u>1/12/82</u> |
| <b>GZA ENGINEER</b> <u>W. KOSINSKI</u><br><b>WEATHER</b> <u>CLEAR, COLD 10°-20°</u>          | <b>EXCAVATION EQUIPMENT</b><br><b>CONTRACTOR</b> <u>PERZA</u><br><b>OPERATOR</b> _____<br><b>MAKE</b> <u>JOHN DEERE</u> <b>MODEL</b> <u>JD510</u><br><b>CAPACITY</b> <u>1 1/2</u> <b>CU YD</b> <b>REACH</b> <u>11</u> <b>FT</b> |                                                                                        |
|                                                                                              | <b>GROUND ELEV.</b> <u>97±</u><br><b>TIME STARTED</b> <u>AM</u><br><b>TIME COMPLETED</b> <u>AM</u>                                                                                                                              |                                                                                        |

| DEPTH |                    | SOIL DESCRIPTION                                                                                                | EXCAV. EFFORT | BOULDER COUNT QTY. CLASS. | REMARK No. |
|-------|--------------------|-----------------------------------------------------------------------------------------------------------------|---------------|---------------------------|------------|
| 0     |                    | BROWN, DARK BROWN COARSE TO FINE SAND, SOME COARSE TO FINE GRAVEL.                                              |               |                           |            |
| 1     | 0.5 TO 1.0         | BROWN, GRAY ORGANIC SILT AND FINE SAND, LITTLE - FINE GRAVEL, TRACE ROOTS, ORG. SILT SLIGHTLY PLASTIC.          | E             |                           |            |
| 2     | SANDY ORGANIC SILT | LOCALIZED AREAS OF WATER SEEPAGE. SWEET CHEMICAL ODOR                                                           | E             |                           | (1)        |
| 3     | 3.25               |                                                                                                                 | E             |                           |            |
| 4     | SANDY GRAVEL       | BROWN, DARK GRAY STAINED COARSE TO FINE GRAVEL, SOME COARSE TO FINE SAND, TRACE COBBLES, TRACE NON-PLASTIC SILT | E             |                           |            |
| 5     |                    |                                                                                                                 | E-M           |                           |            |
| 6     | 5.5±               |                                                                                                                 | E-M           |                           | (2)        |
| 7     | 7±                 | ----- APPROXIMATE BOTTOM OF TEST PIT COULD NOT SEE DUE TO RAPID GROUNDWATER SEEPAGE AND CAVING IN OF SIDEWALLS  | E-M           |                           | (3)        |
| 8     |                    |                                                                                                                 |               |                           |            |
| 9     |                    |                                                                                                                 |               |                           |            |
| 10    |                    | NOTE: SWEET CHEMICAL ODOR IN SANDY ORGANIC SILT STRATUM OILY ODOR IN SANDY GRAVEL STRATUM                       |               |                           |            |
| 11    |                    | GROUNDWATER LEVEL FROM SEEPAGE INTO PIT, ACTUAL G.W.L. MAY BE HIGHER                                            |               |                           |            |
| 12    |                    | COBBLES ≥ 4", ≤ 6"                                                                                              |               |                           |            |
| 13    |                    |                                                                                                                 |               |                           |            |
| 14    |                    |                                                                                                                 |               |                           |            |

**REMARKS:** (1) JAR SAMPLE OBTAINED - SG - @ 2'±  
 (2) JAR SAMPLE OBTAINED - SG - @ 5'±  
 (3) WATER SAMPLE OBTAINED FROM GROUNDWATER SEEPAGE INTO PIT - GW-C

|                                                                                                             |                                                                                                                                          |                                                                                                             |                                                                                                                                                                     |                                                                                              |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>TEST PIT PLAN</b><br> | <b>LEGEND:</b><br><b>BOULDER COUNT</b><br>SIZE RANGE    LETTER DESIGNATION<br>6" - 18"        A<br>18" - 36"       B<br>36" AND LARGER C | <b>PROPORTIONS USED</b><br>TRACE (TR) 0 - 10%<br>LITTLE (LI) 10 - 20%<br>SOME (SQ) 20 - 35%<br>AND 35 - 50% | <b>ABBREVIATIONS</b><br>F - FINE<br>M - MEDIUM<br>C - COARSE<br>F/M - FINE TO MEDIUM<br>F/C - FINE TO COARSE<br>V - VERY<br>GR - GRAY<br>BN - BROWN<br>YEL - YELLOW | <b>EXCAVATION EFFORT</b><br>E - EASY<br>M - MODERATE<br>D - DIFFICULT<br>ADP 000225<br>(HPS) |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|



GOLDBERG-ZOINO & ASSOCIATES, INC.  
GEOTECHNICAL-GEOHYDROLOGICAL CONSULTANTS

DONALD T. GOLDBERG  
WILLIAM S. ZOINO  
JOSEPH D. GUERTIN, J.  
JOHN E. AYRES  
JOHN P. SULLIVAN  
STEVEN J. TRETTEL  
JAMES H. REYNOLDS  
CONSULTANTS:  
WALTER E. JAWORSKI  
STANLEY M. BEMBEN

MICHAEL A. POWERS, P.E.  
DISTRICT MANAGER

January 27, 1982  
File No. P-3227-C

Marshall Construction, Inc.  
75 Newman Avenue  
Rumford, Rhode Island 02916

Attention: Mr. William Lund

Re: Centerdale Manor

Gentlemen:

This letter presents the results of a limited soil/groundwater quality testing program performed by Goldberg-Zoino & Associates, Inc. (GZA) for the proposed Centerdale Manor. The testing was performed at the request of Mr. Gerald H. Graf of the Robinson Green Beretta Corporation (RGB). Refer to GZA's foundation study, dated January 20, 1982 for background data on the site and more detailed information on the extent of our involvement in the project.

The purpose of this phase of our work was to: (1) broadly assess the extent and nature of the chemical contamination, and (2) evaluate the potential effects that the contamination could have on the project. In addition, to the more obvious odor and health-related issues posed by the contamination with regard to the completed project are questions related to: effects of chemicals (notably sulfates) on the concrete foundations, the health and safety of workers during the excavation phases of construction, the quality of the groundwater to be pumped during construction, and the off-site disposal of chemically contaminated soils.

#### SITE STUDIES

On January 12, 1982, Mr. Walter Kosinski, a staff GZA geotechnician, accompanied by Mr. Russell Ferland of RGB, observed and logged the excavation of three test pits. Logs of these explorations are attached. Test pits A and B were located within about 40 feet of the northwest and southeast corners, respectively, of the proposed structure. Test pit C was located about 100 feet

ADP 000226

northwest of the proposed building area. As indicated on the logs, samples of both soil and groundwater were collected from the test pits.

What was described as a strong chemical odor was noted at the location of Test pits A and C. No chemical or oil odor was noted while excavating Test pit B. It is our understanding that strong odors were also noted during the excavation of test pits observed by Mr. Graf. Furthermore, a representative of the Rhode Island Department of Environmental Management has visited the site and is aware of the proposed project.

#### CHEMICAL ANALYSES

Chemical testing completed to date has been limited to:

1. pH and specific conductance analyses of three water samples.
2. An analysis of eight samples for volatile organic substances using a portable gas chromatograph employing headspace techniques. Results of that testing are shown on the attached table.

In reviewing that data, note that the testing was intended to help assess the general presence of volatile organic chemicals and was not intended to identify or quantify the level of any single chemical. It is also noted that other potential hazardous substances could be present that were not detected by this testing.

#### SUMMARY AND CONCLUSIONS

The following is a brief summary of our opinions on the major effects that the chemical contamination could have on the proposed project. These opinions are based on the limited testing performed to date. GZA reserves the right to modify these opinions, as additional information becomes available.

1. Neither the pH nor the specific conductivity testing performed to date suggests that the groundwater should have an adverse effect on the proposed concrete foundations.
2. It appears that the bulk of the chemical contamination is limited to the fills. Thus, the proposed excavation of the fill and placement of vapor barriers appears to be a reasonable solution to odor/vapor control with the completed structure.
3. Based on reported past site use, the proximity of the river and the testing completed to date, the discharging of groundwater to the river during construction should pose no significant surface water quality problems.

4. Although the testing to date has shown only very low levels of volatile organic substances, strong chemical odors have been noted in several test pits. The effects and alleged effects that these chemicals could have on workers during the earthwork phases of construction are not known. Furthermore, these risks are difficult to identify or quantify.
5. Again, although testing has shown only very low levels of chemical contamination being present in the fills--given the limited nature of this testing, it is possible that the excavated soils could leach contaminants. For this reason, it is strongly recommended that careful consideration be given to the off-site disposal location. Proceeding without a D.E.M. approved disposal site, as a minimum, runs the risk of an extended work shut-down at any time during the earthwork phase of the project.

It has been a pleasure to assist you on this phase of the project. Should you have any questions or if we can be of any further assistance, do not hesitate to contact me.

Very truly yours,



Michael A. Powers  
Associate

MAP/dmm  
Attachments

CENTERDALE MANOR  
CHEMICAL ANALYSES RESULTS

I. WATER SAMPLES

| <u>SAMPLE<br/>NUMBER</u> | <u>SPECIFIC<br/>CONDUCTIVITY<br/>μMHOS/CM</u> | <u>pH<sup>1</sup></u> | <u>VOLATILE ORGANICS<sup>2,3</sup><br/>(compound - peak HT.)</u> |
|--------------------------|-----------------------------------------------|-----------------------|------------------------------------------------------------------|
| TP-A                     | 245                                           | 6.06                  | N.D.                                                             |
| TP-B                     | 240                                           | 5.84                  | N.D.                                                             |
| TP-C                     | 430                                           | 6.58                  | 1 unknown - very low                                             |

II. SOIL SAMPLES

| <u>TEST PIT<br/>NO.</u> | <u>SAMPLE<br/>NO.</u> | <u>DEPTH</u> | <u>VOLATILE ORGANICS<sup>2,3</sup><br/>(compound - peak HT.)</u> |
|-------------------------|-----------------------|--------------|------------------------------------------------------------------|
| TP-A                    | S-1                   | 2'-3'        | 3 unknown - very low                                             |
| TP-A                    | S-2                   | 5'           | 1 unknown - very low                                             |
| TP-B                    | S-4                   | 2.5'         | N.D.                                                             |
| TP-C                    | S-6                   | 2'           | 3 unknown - very low                                             |
| TP-C                    | S-7                   | 5'           | 1 unknown - very low                                             |

NOTES:

1. pH measured with a Model PHM-8100 Digital pH meter manufactured by Graphic Controls.
2. Volatile organic analyses with a Century Systems Model OVA-128 organic vapor analyzer/gas chromatograph employing headspace techniques. Sample injection size - 0.20 cc. Column employed was 12" long (T-12), packed with 10 percent 1, 2, 3, TRIS Propane on 60/80 mesh chromosorb P, AW.
3. N.D. indicates volatile organic not detected. "Unknowns" refer to unidentified peaks on chromatogram. Peak height is a subjective measure of relative concentration only. Very low generally indicates concentrations less than 0.1 parts per million (ppm).

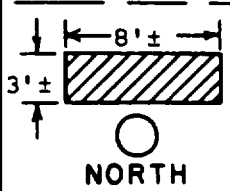
# TEST PIT FIELD LOG

|                                                                                              |                                                                                                                                                                                                    |                                                                                                    |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>GOLDBERG · ZOINO &amp; ASSOC., INC</b><br><b>GEOTECHNICAL/GEOHYDROLOGICAL CONSULTANTS</b> | <b>PROJECT</b><br><b>DESCRIPTION</b> <u>CENTERDALE MANOR</u><br><b>LOCATION</b> <u>NORTH PROVIDENCE, R.I.</u>                                                                                      | <b>TEST PIT No.</b> <u>TP-A</u><br><b>FILE No.</b> <u>P-3227</u><br><b>DATE</b> <u>1/12/82</u>     |
| <b>EXCAVATION EQUIPMENT</b>                                                                  |                                                                                                                                                                                                    |                                                                                                    |
| <b>GZA ENGINEER</b> <u>W. Kosinski</u><br><b>WEATHER</b> <u>Clear, Cold 10°-20°</u>          | <b>CONTRACTOR</b> <u>Pezza</u><br><b>OPERATOR</b> <u>John Deere</u><br><b>MAKE</b> <u>John Deere</u> <b>MODEL</b> <u>JD 510</u><br><b>CAPACITY</b> <u>1+</u> <u>cu.yd.</u> <b>REACH</b> <u>ft.</u> | <b>GROUND ELEV.</b> <u>97±</u><br><b>TIME STARTED</b> <u>AM</u><br><b>TIME COMPLETED</b> <u>AM</u> |

| DEPTH | SOIL DESCRIPTION                                                                                                                                                     | EXCAV. EFFORT | BOULDER COUNT QTY. CLASS. | REMARKS No. |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------|-------------|
| 0     |                                                                                                                                                                      |               |                           |             |
| 1     | Rubbish<br>GRANULAR FILL                                                                                                                                             | E             |                           |             |
| 2     | Brown, dark brown, coarse to fine SAND, some coarse to fine Gravel, little Silt (non-plastic), little Rubbish, Wood, Metal, etc. - RUBBISH FILL                      | E             |                           |             |
| 3     | Sandy Organic SILT                                                                                                                                                   | E             |                           | 1.          |
| 4     | Dark brown, dark gray, Organic SILT and fine SAND, little- fine Gravel, trace+ Roots, Organic Silt, slightly plastic, water seeping in localized areas near 2' depth | E             |                           |             |
| 5     | Dark brown, coarse+ to fine GRAVEL, some+ coarse to fine Sand, trace Cobbles, trace+ non-plastic Silt                                                                | E             |                           |             |
| 6     | Dark brown, coarse+ to fine GRAVEL, some+ coarse to fine Sand, trace Cobbles, trace+ non-plastic Silt                                                                | E - M         |                           | 2.          |
| 7     | Dark brown, coarse+ to fine GRAVEL, some+ coarse to fine Sand, trace Cobbles, trace+ non-plastic Silt                                                                | E - M         |                           | 3.          |
| 8     | Approximate Bottom of test pit, could not be seen due to rapid groundwater seepage and caving in of sidewalls.                                                       |               |                           |             |
| 9     | Note: Oil/chemical odor in all stratas                                                                                                                               |               |                           |             |
| 10    | Groundwater level from seepage into pit, actual G.W.L. may be higher                                                                                                 |               |                           |             |
| 11    | Cobbles <u>&gt; 4"</u> , <u>&lt; 6"</u>                                                                                                                              |               |                           |             |
| 12    |                                                                                                                                                                      |               |                           |             |
| 13    |                                                                                                                                                                      |               |                           |             |
| 14    |                                                                                                                                                                      |               |                           |             |

**REMARKS:**

1. Jar sample obtained - S1 - at 2' to 3'±.
2. Jar sample obtained - S2 - at 5'±.
3. Water sample obtained from groundwater seepage into pit - GW-A.

| <b>TEST PIT PLAN</b><br><br>VOLUME = _____ cu.yd. | <b>LEGEND:</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>BOULDER COUNT</th> <th>LETTER DESIGNATION</th> </tr> </thead> <tbody> <tr> <td>SIZE RANGE</td> <td></td> </tr> <tr> <td>6" - 18"</td> <td>A</td> </tr> <tr> <td>18" - 36"</td> <td>B</td> </tr> <tr> <td>36" AND LARGER</td> <td>C</td> </tr> </tbody> </table> | BOULDER COUNT                                                                                                                 | LETTER DESIGNATION | SIZE RANGE |  | 6" - 18" | A | 18" - 36" | B | 36" AND LARGER | C | <b>PROPORTIONS USED</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>TRACE (TR.)</td> <td>0 - 10%</td> </tr> <tr> <td>LITTLE (LI.)</td> <td>10 - 20%</td> </tr> <tr> <td>SOME (SQ.)</td> <td>20 - 35%</td> </tr> <tr> <td>AND</td> <td>35 - 50%</td> </tr> </tbody> </table> | TRACE (TR.) | 0 - 10% | LITTLE (LI.) | 10 - 20% | SOME (SQ.) | 20 - 35% | AND | 35 - 50% | <b>ABBREVIATIONS</b><br><table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>F - FINE</td> </tr> <tr> <td>M - MEDIUM</td> </tr> <tr> <td>C - COARSE</td> </tr> <tr> <td>F/M - FINE TO M</td> </tr> <tr> <td>F/C - FINE TO C</td> </tr> <tr> <td>V - VERY</td> </tr> <tr> <td>GR - GRAY</td> </tr> <tr> <td>BN - BROWN</td> </tr> <tr> <td>YEL - YELLOW</td> </tr> </tbody> </table> | F - FINE | M - MEDIUM | C - COARSE | F/M - FINE TO M | F/C - FINE TO C | V - VERY | GR - GRAY | BN - BROWN | YEL - YELLOW |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|--|----------|---|-----------|---|----------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|--------------|----------|------------|----------|-----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|------------|-----------------|-----------------|----------|-----------|------------|--------------|
| BOULDER COUNT                                                                                                                        | LETTER DESIGNATION                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| SIZE RANGE                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| 6" - 18"                                                                                                                             | A                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| 18" - 36"                                                                                                                            | B                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| 36" AND LARGER                                                                                                                       | C                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| TRACE (TR.)                                                                                                                          | 0 - 10%                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| LITTLE (LI.)                                                                                                                         | 10 - 20%                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| SOME (SQ.)                                                                                                                           | 20 - 35%                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| AND                                                                                                                                  | 35 - 50%                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| F - FINE                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| M - MEDIUM                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| C - COARSE                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| F/M - FINE TO M                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| F/C - FINE TO C                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| V - VERY                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| GR - GRAY                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| BN - BROWN                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| YEL - YELLOW                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                               |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |
| <b>EXCAVATION EFFORT</b><br>E — EASY<br>ADP 000230                                                                                   |                                                                                                                                                                                                                                                                                                                                                                       | <b>TIME TO READING (HRS.)</b><br> G.W.L. |                    |            |  |          |   |           |   |                |   |                                                                                                                                                                                                                                                                                                                        |             |         |              |          |            |          |     |          |                                                                                                                                                                                                                                                                                                                                                                                                                    |          |            |            |                 |                 |          |           |            |              |

# TEST PIT FIELD LOG

**GOLDBERG · ZOINO & ASSOC., INC**  
**GEOTECHNICAL/GEOHYDROLOGICAL**  
**CONSULTANTS**

**PROJECT**  
**DESCRIPTION** CENTERDALE MANOR  
**LOCATION** NORTH PROVIDENCE, R.I.

**TEST PIT No.** TP-B  
**FILE No.** P-3227  
**DATE** 1/12/82

**GZA ENGINEER** W. Kosinski  
**WEATHER** Clear, Cold 10°-20°

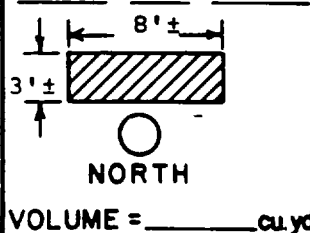
**EXCAVATION EQUIPMENT**  
**CONTRACTOR** Pezza  
**OPERATOR** John Deere  
**MAKE** John Deere **MODEL** JD 510  
**CAPACITY** 1± **cu yd.** **REACH** ft

**GROUND ELEV.** 95±  
**TIME STARTED** AM  
**TIME COMPLETED** AM

| DEPTH | SOIL DESCRIPTION       |                                                                                                                                                     | EXCAV. EFFORT | BOULDER COUNT QTY. CLASS. | REMARK No. |
|-------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------|------------|
| 0     | 2"-3"                  | Burmister<br>Brown, green, fine Sandy LOAM, grassy, Roots                                                                                           |               |                           |            |
| 1'    | Sandy Or. SILT<br>1.5' | Dark gray, dark brown, Organic SILT and fine SAND, trace fine Gravel. trace Roots, Organic Silt, slightly plastic, water seeping in localized areas | E             |                           |            |
| 2'    | 2.5'                   | Gray, medium to fine SAND, trace+ coarse Sand and fine Gravel, trace Silt                                                                           | E             |                           | 1.         |
| 3'    | ∇ 3.0'±                | Brown, gray, coarse+ to fine GRAVEL, some+ coarse to fine Sand, trace+ Cobbles, trace non-plastic Silt                                              | E             |                           | 2.         |
| 4'    | Sandy GRAVEL           |                                                                                                                                                     | E             |                           |            |
| 5'    |                        |                                                                                                                                                     | E - M         |                           | 3.         |
| 6'    | 6'±                    | Approximate, Bottom of test pit could not be seen due to rapid groundwater seepage and caving in of sidewalls.                                      | E - M         |                           |            |
| 7'    |                        | Note: No oil or chemical type odor                                                                                                                  |               |                           |            |
| 8'    |                        | Groundwater level from seepage into pit, actual G.W.L. may be higher                                                                                |               |                           |            |
| 9'    |                        | Cobbles > 4", < 6"                                                                                                                                  |               |                           |            |
| 10'   |                        |                                                                                                                                                     |               |                           |            |
| 11'   |                        |                                                                                                                                                     |               |                           |            |
| 12'   |                        |                                                                                                                                                     |               |                           |            |
| 13'   |                        |                                                                                                                                                     |               |                           |            |
| 14'   |                        |                                                                                                                                                     |               |                           |            |

**REMARKS:** 1. Jar sample obtained - S3 - at 1.0' - 1.5'±.  
 2. Jar sample obtained - S4 - at 2.5'±.  
 3. Water sample obtained from groundwater seepage into pit - GW-B.

## TEST PIT PLAN



## LEGEND:

| BOULDER COUNT             | LETTER DESIGNATION |
|---------------------------|--------------------|
| SIZE RANGE CLASSIFICATION |                    |
| 6" - 18"                  | A                  |
| 18" - 36"                 | B                  |
| 36" AND LARGER            | C                  |

## PROPORTIONS

| USED         |          |
|--------------|----------|
| TRACE (TR.)  | 0 - 10%  |
| LITTLE (LI.) | 10 - 20% |
| SOME (SQ.)   | 20 - 35% |
| AND          | 35 - 50% |

## ABBREVIATIONS

|               |
|---------------|
| F - FINE      |
| M - MEDIUM    |
| C - COARSE    |
| F/M - FINE TC |
| F/C - FINE TC |
| V - VERY      |
| GR - GRAY     |
| BN - BROWN    |
| YEL - YELLOW  |

## EXCAVATION

| EFFORT                 |
|------------------------|
| E - EASY               |
| ADP 000231             |
| TIME TO READING (HRS.) |
| W/G.W.L.               |

# TEST PIT FIELD LOG

**GOLDBERG · ZOINO & ASSOC., INC**  
**GEOTECHNICAL/GEOHYDROLOGICAL**  
**CONSULTANTS**

**PROJECT**  
**DESCRIPTION** CENTERDALE MANOR  
**LOCATION** NORTH PROVIDENCE, R.I.

**TEST PIT No.** TP-C  
**FILE No.** P-3227  
**DATE** 1/12/82

**GZA ENGINEER** W. Kosinski  
**WEATHER** Clear, Cold 10°-20°

**EXCAVATION EQUIPMENT**  
**CONTRACTOR** Pezza  
**OPERATOR**  
**MAKE** John Deere **MODEL** JD 510  
**CAPACITY** 1± **cu.yd.** **REACH** ft

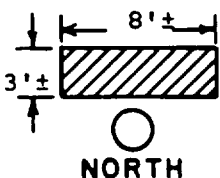
**GROUND ELEV.** 97±  
**TIME STARTED** AM  
**TIME COMPLETED** AM

| DEPTH   | SOIL DESCRIPTION                                                   |                                                                                                                      | EXCAV. EFFORT | BOULDER COUNT QTY. CLASS | REMARKS No. |
|---------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|-------------|
| 0       |                                                                    | Burmister                                                                                                            |               |                          |             |
| 0.5-1.0 | Brown, dark brown, coarse to fine SAND, some coarse to fine Gravel |                                                                                                                      | E             |                          |             |
| 1'      | Sandy Organic SILT                                                 | Brown-gray, Organic SILT and fine SAND, little- fine Gravel, trace Roots, Organic Silt, slightly plastic             | E             |                          | 1.          |
| 2'      |                                                                    | Localized areas of water seepage. Sweet chemical odor.                                                               | E             |                          |             |
| 3'      | 3.25                                                               |                                                                                                                      | E             |                          |             |
| 4'      | Sandy GRAVEL                                                       | Brown, dark gray, stained, coarse+ to fine GRAVEL, some+ coarse to fine Sand, trace+ Cobbles, trace non-plastic Silt | E - M         |                          |             |
| 5'      |                                                                    |                                                                                                                      | E - M         |                          |             |
| 6'      | ∇ 5.5'                                                             |                                                                                                                      | E - M         |                          | 2.          |
| 7'      | 7.0'±                                                              | ----- Approximate, Bottom of test pit could not see due to rapid groundwater seepage and caving in of side walls.    | E - M         |                          |             |
| 8'      |                                                                    |                                                                                                                      |               |                          | 3.          |
| 9'      |                                                                    |                                                                                                                      |               |                          |             |
| 10'     |                                                                    | Note: Sweet chemical odor in Sandy Organic SILT stratum, oily odor in Sandy GRAVEL stratum.                          |               |                          |             |
| 11'     |                                                                    |                                                                                                                      |               |                          |             |
| 12'     |                                                                    | Groundwater level from seepage in pit, actual G.W.L. maybe higher                                                    |               |                          |             |
| 13'     |                                                                    | Cobbles ≥ 4", ≤ 6"                                                                                                   |               |                          |             |
| 14'     |                                                                    |                                                                                                                      |               |                          |             |

**REMARKS:**

- Jar sample obtained - - @2'±.
- Jar sample obtained - - @5'±.
- Water sample obtained from groundwater seepage into pit - GW-C.

## TEST PIT PLAN



VOLUME = \_\_\_\_\_ cu.yd.

## LEGEND:

| BOULDER COUNT             | LETTER DESIGNATION |
|---------------------------|--------------------|
| SIZE RANGE CLASSIFICATION |                    |
| 6" - 18"                  | A                  |
| 18" - 36"                 | B                  |
| 36" AND LARGER            | C                  |

## PROPORTIONS

| USED         |          |
|--------------|----------|
| TRACE (TR.)  | 0 - 10%  |
| LITTLE (LI.) | 10 - 20% |
| SOME (SQ)    | 20 - 35% |
| AND          | 35 - 50% |

## ABBREVIATIONS

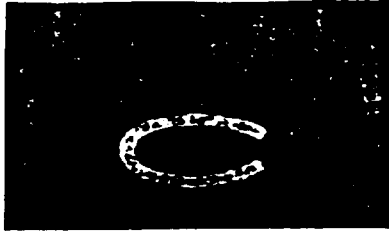
F - FINE  
M - MEDIUM  
C - COARSE  
F/M - FINE TO MEDIUM  
F/C - FINE TO COARSE  
V - VERY  
GR - GRAY  
BN - BROWN  
YEL - YELLOW

## EXCAVATION EFFORT

E - EASY  
M - MODERATE  
D - DIFFICULT  
WATER

ADP 000232

(HRS.)



## MARSHALL CONTRACTORS, INC.

### JOB MEETING MINUTES

Job: - Centerdale Manor

Date: February 1, 1982

#### Attended By:

John P. Leo

State of R. I.-Dept. of Environmental  
Management

Alan R. Brodd

State of R. I.

Gerry Graf

Robinson Green & Beretta

Bill Greig

Robinson Green & Beretta

Mike Powers

Goldberg/Zoino & Associates

Bud Hodess

HOMAR

William R. Lund

Marshall Contractors

1. The meeting was called to examine the procedures to be utilized for removal of the "SOLID WASTE" Materials at the above captioned project. It was agreed that 10 split spoon holes were to be driven to the bottom of the strip line, which has been established at elevation 93.33. It was also indicated that the material to be removed was not to be classified as clean fill, and a suggestion was made to have it hauled to the Silvestri Land Fill, where they could utilize the material as fill to cover their refuse.
2. With regards to the barrel removal: It was indicated that the barrels were to be set in 3 groups, one classified as empty, the other classified as questionable, and the the third classified as possible. The areas for the questionable and possible should be enclosed within a chain link fence. The empty barrels could be crushed and removed from the site.
3. With regards to the moving and handling of the barrels: John Leo suggested that disposable white suits (sized extra large) should be available, a respirator ( $\frac{1}{2}$  face mask type) should be worn, along with goggles, hard hats, heavy duty rubber gloves, and suitable rubber boots. He also suggested that eye wash material be available, along with a good first aid kit.
4. It was suggested that Goldberg/Zoino have an advisor supervise the relocation and stock piling of the questionable barrels as a safety inspector type. This was agreed to by all parties and will be done.
5. With regards to the sampling process, material from all of the 10 locations were to be combined to provide a composit sample for which Goldberg/Zoino will provide the testing analysis as request-

Centerdale Manor  
February 1, 1982  
Page 2

ed by John Leo.

6. As soon as the barrel relocation and removal process begins, William Lund will notify John Leo and all other parties that this process will commence.

Distribution:  
All attendees  
Jack Marshall  
Bob McNamara  
Stan Puddicombe  
Lon Jamison  
Expediting ✓



STATE OF RHODE ISLAND  
DEPT. OF ENVIRONMENTAL MANAGEMENT  
DIVISION OF AIR AND HAZARDOUS MATERIALS

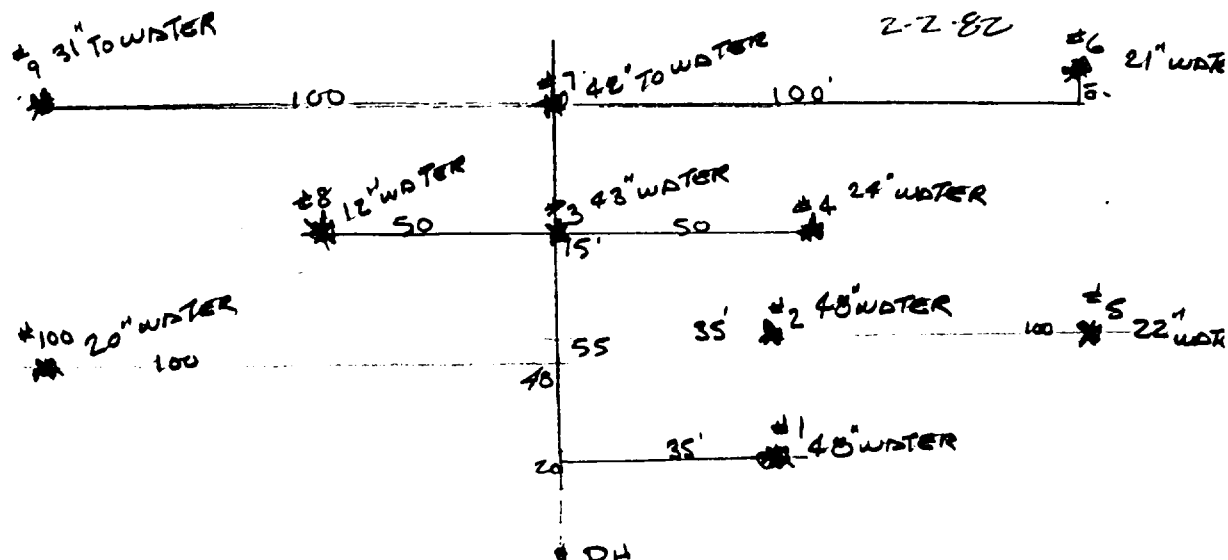
JOHN P. LEO  
ENGINEER

204 CANNON BUILDING  
75 DAVIS STREET  
PROVIDENCE, RI 02908

(401) 277-2797

ADP 000235

N →



FEB 2, 1982 34°

LAYOUT TEST POINTS PER ABOVE SKETCH,

GUILD DRILLING TAKING CORES

MIKE POWERS ON JOB TO SHOW SARA HANNA WHAT HE WANTS FROM TEST, BOTH W/GZA & ASSOC.

SARA COLLECTED SAMPLES FROM EACH HOLE IN ONE BAG

ALSO SEPARATE SAMPLES IN JARS.

JOHN LEO FROM STATE TREAS. ON JOB AND TOOK PICTURES,

JOHN WILL PROBABLY BE ON JOB WHEN WORK BEGINS.

JOHN SAID IF ANYBODY COME ON JOB AND ASKS QUESTIONS ABOUT BORRELS, TELL THEM TO CALL JOHN

# DELIVERY TICKET MARSHALL CONTRACTORS INC.

75 NEWMAN AVENUE, RUMFORD, R. I. 02916  
(401) 488-3500

2-2-82

ORDER TO Central  
Central nd

DATE 2/1/82

NO 1120

TRUCK DRIVER tony

| DESCRIPTION              | TOTAL QUANTITY | UNIT PRICE | TOTAL |
|--------------------------|----------------|------------|-------|
| <u>on the street</u>     |                |            |       |
| <u>Parker Street</u>     |                |            |       |
| <u>Perk</u>              |                |            |       |
| <u>W/ 3' grade stake</u> |                |            |       |
|                          |                |            |       |
|                          |                |            |       |
|                          |                |            |       |
|                          |                |            |       |
|                          |                |            |       |

(from MD)

DELIVERED BY A. D. O.

# CREDIT MEMO

REFD

MARSHALL CONTRACTORS INC.

75 NEWMAN AVENUE  
RUMFORD, R. I. 02915  
(401) 883-5000

TRUCK DRIVER

DATE

DESCRIPTION

TOTAL  
QUANTITY

Unit  
Rate

|    | DESCRIPTION     | TOTAL<br>QUANTITY | Unit<br>Rate |  |
|----|-----------------|-------------------|--------------|--|
| 1  | Asphalt         |                   |              |  |
| 2  | Gravel          |                   |              |  |
| 3  | Crushed Stone   |                   |              |  |
| 4  | Box 1/2" gravel |                   |              |  |
| 5  |                 |                   |              |  |
| 6  |                 |                   |              |  |
| 7  |                 |                   |              |  |
| 8  |                 |                   |              |  |
| 9  |                 |                   |              |  |
| 10 |                 |                   |              |  |

VID

Canterdale

2-1-82

66. W6, MP  
Bth W6

John Lee; Alan

Random Sample thru area.

"Composite Sample"

Perform Testing.

Extraction testing (24 Hr)

[700-1000]

Ruger 4' w/ 4" Span.

10 ea Split Spoon Samples.

Disposal Sites.

Soils to be excavated - Classified as Solid Waste.

Not Clean Fill! [Silverthorn] - rake off  
Debris.

Barrel w/ residue set aside  
Just Metal couch.

Moving -

Eye Wash  
+ First Aid Kit

Disposable White Suits - Large (x-large)

Respirator (Half face mask) Cartridges.

Goggles

Hand Hats

Heavy Duty Rubber Gloves

Heavy Duty Rubber Boots.

GZA - Advisor for procedures + review (Safety)

Chemical Analysis -

REM - Barry Muller for Inquiries.

ADP 000239

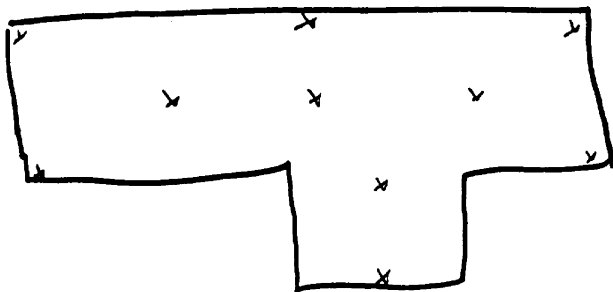
"Empty" - if residue is less than 1".  
If Doubts - set aside. - ? mix w/ clean  
soil + retest.  
Metals - Not Organics

Remove to Solid Waste Facilities

Segregate into 3 Groups - Chain Link Fence

Empty                      Questionable                      Possible

Stake Out locations. - 10



Wheel Barrel

---

Plans - for used.

Fire Pump?

Granville

2-1-82

Tower 75% +  
Family - Monday 75%

Specs - 10th

Review Cavity + Blocking  
Review Dryvit applications.



GOLDBERG·ZOINO & ASSOCIATES, INC.  
GEOTECHNICAL·GEOHYDROLOGICAL CONSULTANTS

DONALD T GOLDBERG  
WILLIAM S ZOINO  
JOSEPH D GUERTIN JR  
JOHN E AYRES  
JOHN P SULLIVAN  
STEVEN J TRETTEL  
JAMES H REYNOLDS  
CONSULTANTS:  
WALTER E JAWORSKI  
STANLEY M BEMBEN

MICHAEL A. POWERS, P.E.  
DISTRICT MANAGER

Feb. 5, 1982  
File No. P3227

Marshall Contractors, Inc.  
75 Newman Avenue  
East Providence, R. I. 02916

ATTENTION: Mr. William Lund

RE: Centerdale Manor  
Groundwater Quality

Gentlemen:

This letter presents the results of groundwater sampling and quality testing at the site of the proposed Centerdale Manor in North Providence, R. I. This testing was undertaken at the request of Mr. Gerard H. Graf of The Robinson, Green, Beretta Corp.

The purpose of the testing was to substantiate that the groundwater beneath the subject site is not unusually corrosive to foundation materials. Based on this testing and as described below, it is our opinion that the groundwater at this site is no more corrosive to steel or concrete than is groundwater at many sites in Rhode Island. Based on these findings, we do not see the need for special corrosion protective measures.

#### BACKGROUND

On January 27, 1982, the Guild Drilling Co. of East Providence, R. I. installed a temporary well within the proposed building area. The well point was developed just below the fill where chemical contaminants, if present, were likely to be found. A sample of the water was collected by a GZA representative and forwarded to R. I. Analytical Laboratories, Inc. for chemical analyses. Additional sampling details are provided in the attached daily field summary.

The analyses were for alkalinity, chloride, nitrate, sulfate, calcium, and sodium. The results of this testing are attached, and indicate that the groundwater properties tested for are within the normal range for an urban Rhode Island environment.

ADP 000242

Marshall Contractors, Inc.

-2-

February 5, 1982  
Our File No. P-3227

Therefore, it is our opinion that special corrosion protection measures are not required.

If you should have any questions on this testing, do not hesitate to call me.

Very truly yours,



Michael A. Powers  
District Manager

MAP:mrh

enclosures (2)

cc: G. H. Graf (The Robinson,  
Green, Beretta Corp.)



ADP 000243

# FIELD SUMMARY

FILE No. P3227

DATE 1/27/82 REPORT No. -- SHEET 1 OF 1  
PROJECT Centerdale Manor LOCATION North Providence  
CLIENT The Robinson Green Beretta Corp. CONTRACTOR Guild Drilling Co., Inc.  
WEATHER CONDITIONS Sunny/Cold REMARKS Groundwater Sampling

A. Arrived on site at 1:00 p.m. Left site at 4:00 p.m. and arrived at R. I. Analytical (Warwick) at 4:30 p.m. for sample delivery. Returned to GZA, Providence, at 5:15 p.m.

B. Equipment Working:

One Guild Drilling Co. truck-mounted acker drill was in position over the borehole location. Four inch (4") diameter casing was in place to depth. A three foot (3') length well screen and gas pump with a one inch (1") discharge line were employed to effect pumping.

C. Work Performed:

Pumping was initiated at 3:05 p.m. with the wellpoint in place at a depth of 9 feet relative to ground surface. Screen was in place at depth of approximately 6' to 9'.

At 3:35 p.m. two (2) one-liter samples were collected for subsequent chemical analysis by R. I. Analytical.

D. Remarks:

Present on site were Guild Driller, Paul Brescia and helper, and Tony DeFelice, a representative of Marshall Contractors, Inc. Mr. DeFelice requested that a copy of this field summary as well as results of the chemical analyses be sent to Bill Lund of Marshall Contractors, Inc.



|             |            |
|-------------|------------|
| ON-JOB TIME | <u>3.5</u> |
| TRAVEL TIME | <u>1.0</u> |
| OFFICE TIME | <u>0.5</u> |
| TOTAL TIME  | <u>5.0</u> |

ADP 000244

Michael Sherill

PREPARED BY



# *R.I. Analytical Laboratories, Inc.*

SPECIALIZING IN ENVIRONMENTAL ANALYSIS

231 ELM STREET  
WARWICK, R. I. 02888

PHONE: (401) 467-2452

## CERTIFICATE OF ANALYSIS

REPORT TO: Goldberg Zoino & Associates  
293 South Main Street  
Providence, RI 02903  
Attn: Mr. Michael Powers

DATE RECEIVED 1/27/82  
DATE REPORTED 2/2/82  
PURCHASE ORDER NO. \_\_\_\_\_  
R.I.A.L. INV. NO. 5995

SAMPLE DESCRIPTION One aqueous sample from Centerdale Manor (GZA 3227)

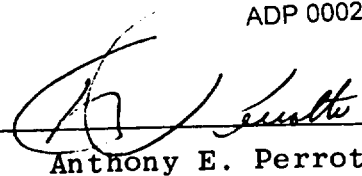
Per your request, subject sample has been analyzed by our laboratory with the following results:

| <u>PARAMETER</u>              | <u>RESULTS</u>                   |
|-------------------------------|----------------------------------|
| pH                            | 6.2                              |
| Alkalinity (up to pH 4.3)     | 122 mg/l (as CaCO <sub>3</sub> ) |
| Chloride                      | 44.6 mg/l                        |
| Nitrate (as N)                | 0.30 mg/l                        |
| Sulfate (as SO <sub>4</sub> ) | 17.0 mg/l                        |
| Calcium                       | 13 mg/l                          |
| Sodium                        | 52 mg/l                          |

If you have any questions regarding this work or if we may be of further assistance, please contact us.

ADP 000245

APPROVED BY



Anthony E. Perrotti



GOLDBERG-ZOINO & ASSOCIATES, INC.  
GEOTECHNICAL-GEOHYDROLOGICAL CONSULTANTS

DONALD T GOLDBERG  
WILLIAM S ZOINO  
JOSEPH D GUERTIN JR  
JOHN E AYRES  
JOHN P SULLIVAN  
STEVEN J TRETTEL  
JAMES H REYNOLDS  
CONSULTANTS:  
WALTER E JAWORSKI  
STANLEY M BEMBEN

MICHAEL A. POWERS, P.E.  
DISTRICT MANAGER

February 11, 1982  
File No. P-3227

Marshall Contractors, Inc.  
75 Newman Avenue  
East Providence, R. I. 02916

ATTENTION: Mr. William Lund

RE Invoices for Laboratory Analyses,  
Centerdale Manor

Gentlemen:

Attached are copies of invoices from R. I. Analytical Laboratories for a total amount of \$1076.00. These invoices are for the chemical analyses of samples of groundwater and soil samples obtained from the Centerdale Manor site. The testing was performed at our request, and the billing is for the amount agreed to prior to testing. I would like to add that the turn-around time on the soil sample analyses was outstanding.

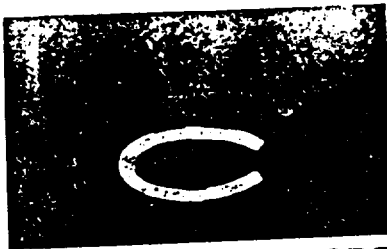
For these reasons we recommend payment at your earliest possible convenience. Should you have any questions, do not hesitate to call me.

Very truly yours,

Michael A. Powers  
Associate

MAP:mrh  
encls. (2)  
cc: R. I. Analytical Laboratories

ADP 000246



MARSHALL CONTRACTORS INC.

February 19, 1982

Mr. Gerry Graf  
The Robinson, Green, Beretta Corp.  
2 John Street  
Providence, R. I. 02906

Re: Centerdale Manor

Dear Gerry:

Please find enclosed the copy of the determination by the Department of Environmental Management dated February 17, 1982 as it relates to the solid waste materials at the above captioned project.

I would like to indicate our appreciation to all parties concerned for their efforts in obtaining this determination.

Very truly yours,

MARSHALL CONTRACTORS, INC.

William R. Lund  
Project Manager

cs

c.c. Mike Powers  
Lenny Pezza  
Stan Puddicombe ✓

ADP 000247



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
75 Davis Street 204 Cannon Building.  
Providence, R. I. 02908

17 February 1982

Mr. William R. Lund  
Marshall Contractors, Inc.  
75 Newman Avenue  
Rumford, RI 02916

Dear Sir:

Based on analysis #6015 from Rhode Island Analytical Laboratory, the fill material which will be removed from the Centerdale Manor is a non-toxic material.

This material, however, is not clean fill and as such will have to be handled as a solid waste material at a properly permitted solid waste facility of your choice. This material cannot be used as clean fill.

If you have any other question concerning this or any other matter, please feel free to call me at 277-2797.

Sincerely yours

John P. Leo, Engineer  
Division of Air and Hazardous Materials

JPL/km



# *R.I. Analytical Laboratories, Inc.*

SPECIALIZING IN ENVIRONMENTAL ANALYSIS

231 ELM STREET  
WARWICK, R. I. 02888

PHONE: (401) 467-2452

## CERTIFICATE OF ANALYSIS

REPORT TO: Goldberg Zoiano & Associates  
293 South Main Street  
Providence, RI 02903  
Attn: Mr. Michael Powers

DATE RECEIVED 2/2/82  
DATE REPORTED 2/10/82  
PURCHASE ORDER NO. P-3227  
R.I.A.L. INV. NO. 6015

SAMPLE DESCRIPTION Fill material from proposed Centerdale Manor

Per your request, subject sample has been analyzed by our laboratory with the following results:

### PARAMETER

### RESULTS

#### Volatile Organics:\*

|                   |         |
|-------------------|---------|
| Chloroform        | 3.4 ppb |
| Trichloroethylene | 5.1 ppb |
| Toluene           | 2.6 ppb |

#### Semivolatile Organics:\*

|                |      |
|----------------|------|
| Acid Compounds | N.D. |
|----------------|------|

#### Base/Neutral Compounds:

|                            |         |
|----------------------------|---------|
| Bis(2-ethylhexyl)phthalate | 1.3 ppb |
|----------------------------|---------|

|                |              |
|----------------|--------------|
| Arsenic        | <0.01 mg/l   |
| Barium         | 0.5 mg/l     |
| Cadmium        | <0.005 mg/l  |
| Total Chromium | <0.05 mg/l   |
| Lead           | <0.1 mg/l    |
| Mercury        | <0.0005 mg/l |
| Silver         | <0.01 mg/l   |
| Selenium       | <0.01 mg/l   |

Continued to Page -2-

ADP 000249

APPROVED BY

Anthony E. Perrotti

Goldberg Zoiano & Associates  
Certificate of Analysis  
February 10, 1982  
Page -2-

- \* A list of volatile organic and semivolatile organic compounds and their detection limits is enclosed.

Note: As you requested, all above parameters were performed on an extract from the EP Toxicity Procedure, in accordance with Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, U. S. EPA, SW-846, 1980.

If you have any questions regarding this work or if we may be of further assistance, please contact us.

CENTERDALE MANOR  
SOIL QUALITY TESTING

Prepared for:

Marshall Contractors, Inc.  
East Providence, Rhode Island

Prepared by:

Goldberg-Zoino & Associates, Inc.  
Providence, Rhode Island

File No. P-3227  
February 1982



ADP 000251



GOLDBERG·ZOINO & ASSOCIATES, INC.  
GEOTECHNICAL·GEOHYDROLOGICAL CONSULTANTS

DONALD T GOLDBERG  
WILLIAM S ZOINO  
JOSEPH D GUERTIN J  
JOHN E AYRES  
JOHN P SULLIVAN  
STEVEN J TRETTEL  
JAMES H REYNOLDS  
CONSULTANTS:  
WALTER E JAWORSKI  
STANLEY M BEMBEN

MICHAEL A. POWERS, P.E.  
DISTRICT MANAGER

February 11, 1982  
File No. P-3227

Marshall Contractors, Inc.  
75 Newman Avenue  
East Providence, R. I. 02916

ATTENTION: Mr. William Lund

RE: Soil Quality Sampling and  
Analyses - Centerdale Manor

Gentlemen:

This letter presents the results of soil quality analyses performed on samples obtained from the proposed Centerdale Manor site in North Providence, R. I. The sampling and testing was performed in accordance with understandings developed at a February 1, 1982 job meeting held at the office of The Robinson Green Beretta Corp.

The purpose of the testing was to demonstrate that the on-site fill is not a "Hazardous Waste". Based on the results of the testing, State and Federal regulations, and conversations with Mr. John P. Leo of the Rhode Island Department of Environmental Management (DEM), the fill is not a "Hazardous Waste". Therefore, as previously agreed to by the DEM, the fill may be treated as a "Solid Waste" and disposed of at any licensed landfill in the State of Rhode Island. Details of the sampling and testing program are outlined below.

#### Soil Sampling

The sampling was performed on February 2, 1982, by the Guild Drilling Company of East Providence, Rhode Island, with a truck mounted hollow stem auger rig. The drilling and sampling procedures were observed by a GZA geologist, and copies of logs prepared by GZA are found in Appendix A. The test borings were located in the field by Mr. DeFelice of Marshall Contractors. The approximate location of the borings, in relation to the proposed structure, are shown on the attached sketch.

ADP 000252

A total of ten borings were completed. All borings terminated at a depth of four feet in or just below a layer of fill. Two samples were obtained from each exploration: one from a depth of zero to two feet, and one from a depth of two to four feet. Because the ground surface was frozen, the upper sample was collected from the flight of the auger. The lower sample was collected from a split spoon sampler (1 3/8 inch ID by two feet long). A representative portion of each sample (about 7 cubic inches) was placed in a clean plastic field bag. This sample was delivered on February 2, 1982 to the Rhode Island Analytical Laboratory, Inc. for subsequent analyses.

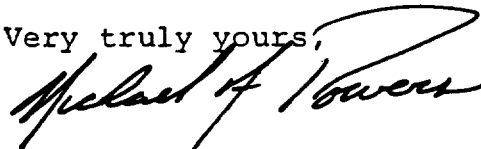
#### Analytical Testing

All analytical work was performed by the Rhode Island Analytical Laboratories, Inc. (RIAL) of Warwick, Rhode Island. An extract from the composite soil sample was obtained by RIAL from an EP Toxicity Procedure. This extract was analyzed for (1) the Volatile Organic Priority Pollutants; (2) the Semi-volatile Organics Priority Pollutants in the acid and base/neutral categories; and (3) the 8 primary metals of the State's drinking water standards. Appendices B and C present a complete list of the substances tested for, and the results of the testing, respectively.

#### Significance of Findings

A chemically spoiled fill is classified as a "Hazardous Waste" if a chemical concentration in the EP Toxicity extract obtained from the fill exceeds the State's drinking water standard by a factor of more than 100. The undersigned has spoken with DEM personnel and confirmed that all of the substances tested for were found at levels well below these limits. Therefore, in general, the fill within the building area at the Centerdale Manor site will not be classified as a "Hazardous Waste". Given the number of chemical drums observed on site, however, it should be recognized that drums or raw chemicals may be encountered during the excavation process. These materials will have to be classified as (if) they are encountered and disposed of accordingly.

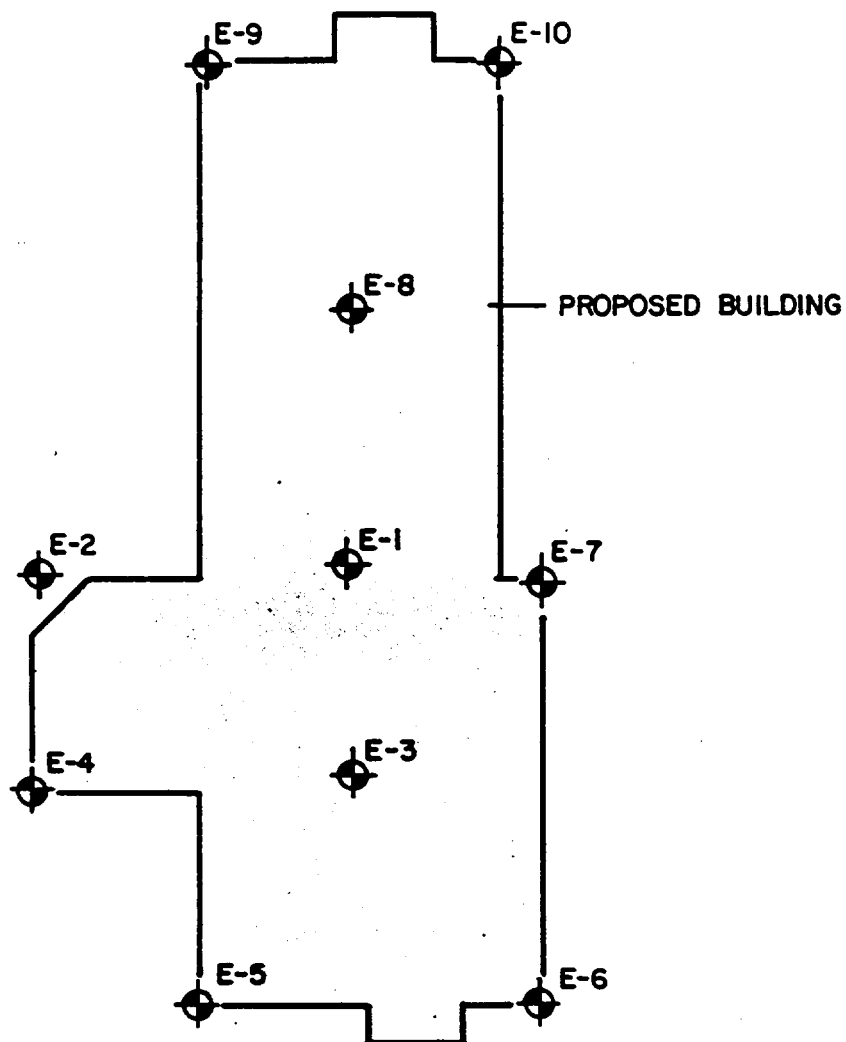
Very truly yours,



Michael A. Powers  
Associate

MAP:mrh  
enclosures  
cc: G. H. Graf (The Robinson  
Green Beretta Corp.)





#### NOTES

- 1) BORING LOCATIONS ARE APPROXIMATE
- 2)  INDICATES APPROXIMATE LOCATION OF BORINGS BY GUILD DRILLING ON FEB. 2, 1982.
- 3) BORINGS WERE LOCATED BY MARSHALL CONTRACTORS INC.

SCALE: 1"  $\approx$  40'

ADP 000254

FILE No. P-3227



CENTERDALE MANOR  
NORTH PROVIDENCE, R.I.

EXPLORATION LOCATION  
PLAN

FEB. 1982

FIGURE No. 1

Appendix A  
Test Boring Logs



|                                                                                           |                                                                |                                                                                                                                           |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GOLDBERG · ZOINO &amp; ASSOC., INC.</b><br>GEOTECHNICAL/GEOHYDROLOGICAL<br>CONSULTANTS | <b>PROJECT</b><br>CENTERDALE MANOR<br>CENTERDALE, RHODE ISLAND | <b>REPORT OF BORING NO.</b> <u>E-1</u><br><b>SHEET</b> <u>1</u> <b>OF</b> <u>1</u><br><b>DATE</b> <u>2/2/82</u> <b>FILE</b> <u>P-3227</u> |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                              |                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BORING CO.</b> <u>Guild Drilling Company</u><br><b>FOREMAN</b> <u>D. Serowik</u><br><b>G-Z-A ENGINEER</b> <u>S. Hanna</u> | <b>BORING LOCATION</b> <u>See Location Plan</u><br><b>GROUND ELEV.</b> _____<br><b>DATE START</b> <u>2/2/82</u> <b>DATE END</b> <u>2/2/82</u> |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                |                                                                                                       |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>CASING</b><br>SIZE: <u>none (auger)</u><br>HAMMER: _____ lb.<br>FALL: _____ | <b>SAMPLER</b><br>TYPE: <u>Split Spoon</u> OTHER: _____<br>HAMMER: <u>140</u> lb.<br>FALL: <u>30"</u> |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|

| GROUNDWATER READINGS |       |           |                    |
|----------------------|-------|-----------|--------------------|
| DATE                 | DEPTH | CASING AT | STABILIZATION TIME |
| 2/2                  | 4.8'  | out       | completion         |
|                      |       |           |                    |
|                      |       |           |                    |
|                      |       |           |                    |

| DEPTH | CAS. BL / FT. | SAMPLE |           |       |              | STRTA CHG. and GEN. DESC. | SAMPLE DESCRIPTION<br>CLASSIFICATION                                                                              | NOTE |
|-------|---------------|--------|-----------|-------|--------------|---------------------------|-------------------------------------------------------------------------------------------------------------------|------|
|       |               | NO.    | PEN./REC. | DEPTH | BLOWS/6"     |                           |                                                                                                                   |      |
| 2.5   |               | S-1    |           | 0-2   | auger sample | FILL                      | Brown and red-brown, fine to medium SAND, little+ Silt, trace Organics, trace Bricks, trace fine to coarse Gravel |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
| 2.5   |               | S-2    | 24/15     | 2-4   | 6-4-2-3      | 4.0'                      | Dark brown, orange, and brown, fine to medium SAND, little Silt, trace Organics, trace Wood, Bricks, odor of oil  |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
| 5     |               |        |           |       |              |                           | Bottom of Boring at 4.0' (required depth)                                                                         |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |
|       |               |        |           |       |              |                           |                                                                                                                   |      |

**REMARKS:**  
  
 NOTES: 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THE BORING LOGS. FLUCTUATIONS IN THE LEVEL OF THE GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

ADP 000256  
  
 F.13

|                                                                                           |                                                                |                                                                                                        |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>GOLDBERG · ZOINO &amp; ASSOC., INC.</b><br>GEOTECHNICAL/GEOHYDROLOGICAL<br>CONSULTANTS | <b>PROJECT</b><br>CENTERDALE MANOR<br>CENTERDALE, RHODE ISLAND | REPORT OF BORING NO. <u>E-4</u><br>SHEET <u>1</u> OF <u>1</u><br>DATE <u>2/2/82</u> FILE <u>P-3227</u> |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|

|                                                                                                         |                                                                                                                   |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| BORING CO. <u>Guild Drilling Company</u><br>FOREMAN <u>D. Serowik</u><br>G-Z-A ENGINEER <u>S. Hanna</u> | BORING LOCATION <u>See Location Plan</u><br>GROUND ELEV. _____<br>DATE START <u>2/2/82</u> DATE END <u>2/2/82</u> |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|

|                                                                                |                                                                                                      |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>CASING</b><br>SIZE: <u>none (auger)</u><br>HAMMER: _____ lb.<br>FALL: _____ | <b>SAMPLER</b><br>TYPE: <u>Split Spoon</u> OTHER: _____<br>HAMMER <u>140</u> lb.<br>FALL: <u>30"</u> |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|

| GROUNDWATER READINGS |       |           |                    |
|----------------------|-------|-----------|--------------------|
| DATE                 | DEPTH | CASING AT | STABILIZATION TIME |
| 2/2                  | 4.8'  | out       | completion         |
|                      |       |           |                    |
|                      |       |           |                    |
|                      |       |           |                    |

| DEPTH | CAS. BL / FT. | SAMPLE |           |       |              | STRATA CHG. and GEN. DESC. | SAMPLE DESCRIPTION<br>CLASSIFICATION                                                                                                                                                                                                 | NOTE |
|-------|---------------|--------|-----------|-------|--------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|       |               | NO.    | PEN./REC. | DEPTH | BLOWS/6"     |                            |                                                                                                                                                                                                                                      |      |
| 2.5   |               | S-1    |           | 0-2   | auger sample | FILL                       | Dark brown-black, fine to medium SAND, little+ Silt, trace Organics, grading to red-brown, fine to medium SAND, little- Silt, trace+ Wood at ~1.5'<br>Dark brown, fine to coarse GRAVEL and SAND, trace+ Silt, trace Organics (Wood) |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
| 5     |               | S-2    | 24/6      | 2-4   | 13-3-4-2     | 4.0'                       | Bottom of Boring at 4.0' (required depth)                                                                                                                                                                                            |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |
|       |               |        |           |       |              |                            |                                                                                                                                                                                                                                      |      |

REMARKS:

ADP 000257

NOTES: 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THE BORING LOGS. FLUCTUATIONS IN THE LEVEL OF THE GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GOLDBERG · ZOINO & ASSOC., INC.  
GEOTECHNICAL/GEOHYDROLOGICAL  
CONSULTANTS

PROJECT  
CENTERDALE MANOR  
CENTERDALE, RHODE ISLAND

REPORT OF BORING NO. E-3  
SHEET 1 OF 1  
DATE 2/2/82 FILE P-3227

BORING CO. Guild Drilling Company  
FOREMAN S. Serowik  
G-Z-A ENGINEER S. Hanna

BORING LOCATION See Location Plan  
GROUND ELEV. \_\_\_\_\_  
DATE START 2/2/82 DATE END 2/2/82

**CASING** **SAMPLER**  
SIZE: none (auger) TYPE: Split Spoon OTHER: \_\_\_\_\_  
HAMMER: \_\_\_\_\_ lb. HAMMER 140 lb.  
FALL: \_\_\_\_\_ FALL: 30"

| GROUNDWATER READINGS |       |           |                    |
|----------------------|-------|-----------|--------------------|
| DATE                 | DEPTH | CASING AT | STABILIZATION TIME |
| 2/2                  | 4.3'  | out       | completion         |
|                      |       |           |                    |
|                      |       |           |                    |
|                      |       |           |                    |

| DEPTH | CAS.<br>BL<br>/FT. | SAMPLE |           |       |              | STRATA<br>CHG.<br>and<br>GEN.<br>DESC. | SAMPLE DESCRIPTION<br>CLASSIFICATION                                     | NOTE |
|-------|--------------------|--------|-----------|-------|--------------|----------------------------------------|--------------------------------------------------------------------------|------|
|       |                    | NO.    | PEN./REC. | DEPTH | BLOWS/6"     |                                        |                                                                          |      |
| 2.5   |                    | S-1    |           | 0-2   | auger sample | FILL                                   | Brown, fine to medium SAND, some Silt, trace Organics, Wood, coarse Sand |      |
|       |                    |        |           |       |              |                                        |                                                                          |      |
|       |                    |        |           |       |              |                                        |                                                                          |      |
|       |                    |        |           |       |              |                                        |                                                                          |      |
| 2.5   |                    | S-2    | 24/6      | 2-4   | 7-4-6-3      | 4.0'                                   | Brown, fine to medium SAND, trace Silt, ~1" layer PEAT                   |      |
|       |                    |        |           |       |              |                                        |                                                                          |      |
|       |                    |        |           |       |              |                                        |                                                                          |      |
|       |                    |        |           |       |              |                                        |                                                                          |      |
| 5     |                    |        |           |       |              |                                        | Bottom of Boring at 4.0' (required depth)                                |      |
|       |                    |        |           |       |              |                                        |                                                                          |      |
|       |                    |        |           |       |              |                                        |                                                                          |      |
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REMARKS:

ADP 000258

NOTES: 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THE BORING LOGS. FLUCTUATIONS IN THE LEVEL OF THE GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

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| <b>GOLDBERG · ZOINO &amp; ASSOC., INC.</b><br><b>GEOTECHNICAL/GEOHYDROLOGICAL</b><br><b>CONSULTANTS</b> | <b>PROJECT</b><br>CENTERDALE MANOR<br>CENTERDALE, RHODE ISLAND | <b>REPORT OF BORING NO.</b> <u>E-4</u><br><b>SHEET</b> <u>1</u> <b>OF</b> <u>1</u><br><b>DATE</b> <u>2/2/82</u> <b>FILE</b> <u>P-3227</u> |
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| <b>BORING CO.</b> <u>Guild Drilling Company</u><br><b>FOREMAN</b> <u>D. Serowik</u><br><b>G-Z-A ENGINEER</b> <u>S. Hanna</u> | <b>BORING LOCATION</b> <u>See Location Plan</u><br><b>GROUND ELEV.</b> _____<br><b>DATE START</b> <u>2/2/82</u> <b>DATE END</b> <u>2/2/82</u> |
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| <b>CASING</b><br>SIZE: <u>none (auger)</u> TYPE: <u>Split Spoon</u> OTHER: _____<br>HAMMER: _____ lb. HAMMER <u>140</u> lb.<br>FALL: _____ FALL: <u>30"</u> | <b>SAMPLER</b><br><table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4">GROUNDWATER READINGS</th> </tr> <tr> <th>DATE</th> <th>DEPTH</th> <th>CASING AT</th> <th>STABILIZATION TIME</th> </tr> <tr> <td>2/2</td> <td>2.4'</td> <td>out</td> <td>completion</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table> | GROUNDWATER READINGS |                    |  |  | DATE | DEPTH | CASING AT | STABILIZATION TIME | 2/2 | 2.4' | out | completion |  |  |  |  |  |  |  |  |  |  |  |  |
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| GROUNDWATER READINGS                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                    |  |  |      |       |           |                    |     |      |     |            |  |  |  |  |  |  |  |  |  |  |  |  |
| DATE                                                                                                                                                        | DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CASING AT            | STABILIZATION TIME |  |  |      |       |           |                    |     |      |     |            |  |  |  |  |  |  |  |  |  |  |  |  |
| 2/2                                                                                                                                                         | 2.4'                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | out                  | completion         |  |  |      |       |           |                    |     |      |     |            |  |  |  |  |  |  |  |  |  |  |  |  |
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| DEPTH | CAS.<br>BL<br>/FT. | SAMPLE |           |       |              | STRTA<br>CHG.<br>and<br>GEN.<br>DESC. | SAMPLE DESCRIPTION<br>CLASSIFICATION                                           | NOTE |  |
|-------|--------------------|--------|-----------|-------|--------------|---------------------------------------|--------------------------------------------------------------------------------|------|--|
|       |                    | NO.    | PEN./REC. | DEPTH | BLOWS/6"     |                                       |                                                                                |      |  |
| 2.5   |                    | S-1    |           | 0-2   | auger sample | FILL                                  | Brown-gray, fine to coarse SAND,<br>some+ Silt, trace Organics                 |      |  |
|       |                    |        |           |       |              |                                       |                                                                                |      |  |
|       |                    |        |           |       |              |                                       |                                                                                |      |  |
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| 2.5   |                    | S-2    | 24/12     | 2-4   | 1-2-11-22    | 4.0'                                  | Brown, fine to medium SAND, trace<br>Silt, layered with 4" layer Silty<br>PEAT |      |  |
|       |                    |        |           |       |              |                                       |                                                                                |      |  |
|       |                    |        |           |       |              |                                       |                                                                                |      |  |
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| 5     |                    |        |           |       |              |                                       | Bottom of Boring at 4.0'<br>(required depth)                                   |      |  |
|       |                    |        |           |       |              |                                       |                                                                                |      |  |
|       |                    |        |           |       |              |                                       |                                                                                |      |  |
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REMARKS:

ADP 000259

NOTES: 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THE BORING LOGS. FLUCTUATIONS IN THE LEVEL OF THE GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

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| <b>GOLDBERG · ZOINO &amp; ASSOC., INC.</b><br>GEOTECHNICAL/GEOHYDROLOGICAL<br>CONSULTANTS | <b>PROJECT</b><br>CENTERDALE MANOR<br>CENTERDALE, RHODE ISLAND | REPORT OF BORING NO. <u>E-5</u><br>SHEET <u>1</u> OF <u>1</u><br>DATE <u>2/2/82</u> FILE <u>P-3227</u> |
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|                                                                                                         |                                                                                                                   |
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| BORING CO. <u>Guild Drilling Company</u><br>FOREMAN <u>D. Serowik</u><br>G-Z-A ENGINEER <u>S. Hanna</u> | BORING LOCATION <u>See Location Plan</u><br>GROUND ELEV. _____<br>DATE START <u>2/2/82</u> DATE END <u>2/2/82</u> |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|

| CASING                    | SAMPLER                               | GROUNDWATER READINGS |       |           |                    |
|---------------------------|---------------------------------------|----------------------|-------|-----------|--------------------|
| SIZE: <u>none (auger)</u> | TYPE: <u>Split Spoon</u> OTHER: _____ | DATE                 | DEPTH | CASING AT | STABILIZATION TIME |
| HAMMER: _____ lb.         | HAMMER <u>140</u> lb.                 | 2/2                  | 2.2"  | out       | completion         |
| FALL: _____               | FALL: <u>30"</u>                      |                      |       |           |                    |

| DEPTH | CAS. BL /FT. | SAMPLE |           |          |              | STRTA CHG. and GEN. DESC. | SAMPLE DESCRIPTION CLASSIFICATION                                                                                                                                                       | NOTE |
|-------|--------------|--------|-----------|----------|--------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|       |              | NO.    | PEN./REC. | DEPTH    | BLOWS/6"     |                           |                                                                                                                                                                                         |      |
| 2.5   |              | S-1    |           | 0-2      | auger sample | FILL                      | Brown, fine to medium SAND, little Silt, changing to black, moist, fine to coarse SAND, trace+ Silt, trace Organics at ~1.5'<br><br>Paper, Asphalt, and fine to medium SAND, trace Silt |      |
|       |              |        |           |          |              |                           |                                                                                                                                                                                         |      |
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|       | S-2          | 24/5   | 2-4       | 2-1-2-15 |              | 4.0'                      |                                                                                                                                                                                         |      |
|       |              |        |           |          |              |                           |                                                                                                                                                                                         |      |
| 5     |              |        |           |          |              |                           | Bottom of Boring at 4.0' (required depth)                                                                                                                                               |      |
|       |              |        |           |          |              |                           |                                                                                                                                                                                         |      |
|       |              |        |           |          |              |                           |                                                                                                                                                                                         |      |
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REMARKS:

ADP 000260

NOTES: 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THE BORING LOGS. FLUCTUATIONS IN THE LEVEL OF THE GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GOLDBERG · ZOINO & ASSOC., INC.  
GEOTECHNICAL/GEOHYDROLOGICAL  
CONSULTANTS

PROJECT  
CENTERDALE MANOR  
CENTERDALE, RHODE ISLAND

REPORT OF BORING NO. E-6  
SHEET 1 OF 1  
DATE 2/2/82 FILE P-3227

BORING CO. Guild Drilling Company  
FOREMAN D. Serowik  
G-Z-A ENGINEER S. Hanna

BORING LOCATION See Location Plan  
GROUND ELEV. \_\_\_\_\_  
DATE START 2/2/82 DATE END 2/2/82

CASING SAMPLER  
SIZE: none (auger) TYPE: Split Spoon OTHER: \_\_\_\_\_  
HAMMER: \_\_\_\_\_ lb. HAMMER 140 lb.  
FALL: \_\_\_\_\_ FALL: 30"

| GROUNDWATER READINGS |       |           |                    |
|----------------------|-------|-----------|--------------------|
| DATE                 | DEPTH | CASING AT | STABILIZATION TIME |
| 2/2                  | 2.1'  | out       | completion         |
|                      |       |           |                    |
|                      |       |           |                    |
|                      |       |           |                    |

| DEPTH | CAS. BL / FT. | SAMPLE |           |       |              | SRTA CHG. and GEN. DESC. | SAMPLE DESCRIPTION<br>CLASSIFICATION                                                  | NOTE |
|-------|---------------|--------|-----------|-------|--------------|--------------------------|---------------------------------------------------------------------------------------|------|
|       |               | NO.    | PEN./REC. | DEPTH | BLOWS/6"     |                          |                                                                                       |      |
| 2.5   |               | S-1    |           | 0-2   | auger sample | FILL                     | Dark brown-black, fine to medium SAND, little Silt, trace coarse Sand, trace Organics |      |
|       |               |        |           |       |              |                          |                                                                                       |      |
|       |               |        |           |       |              |                          |                                                                                       |      |
|       |               |        |           |       |              |                          |                                                                                       |      |
| 2.5   |               | S-2    | 24/10     | 2-4   | 12-6-24-70   | 4.0'                     | Dark brown, fine to medium SAND, trace coarse Sand, trace Silt, trace Organics        |      |
|       |               |        |           |       |              |                          |                                                                                       |      |
|       |               |        |           |       |              |                          |                                                                                       |      |
|       |               |        |           |       |              |                          |                                                                                       |      |
| 5     |               |        |           |       |              |                          | Bottom of Boring at 4.0' (required depth)                                             |      |
|       |               |        |           |       |              |                          |                                                                                       |      |
|       |               |        |           |       |              |                          |                                                                                       |      |
|       |               |        |           |       |              |                          |                                                                                       |      |
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|       |               |        |           |       |              |                          |                                                                                       |      |

REMARKS:

ADP 000261

NOTES: 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THE BORING LOGS. FLUCTUATIONS IN THE LEVEL OF THE GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

|                                                                                           |                                                                |                                                                                                                                           |
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| <b>GOLDBERG · ZOINO &amp; ASSOC., INC.</b><br>GEOTECHNICAL/GEOHYDROLOGICAL<br>CONSULTANTS | <b>PROJECT</b><br>CENTERDALE MANOR<br>CENTERDALE, RHODE ISLAND | <b>REPORT OF BORING NO.</b> <u>B-7</u><br><b>SHEET</b> <u>1</u> <b>OF</b> <u>1</u><br><b>DATE</b> <u>2/2/82</u> <b>FILE</b> <u>P-3227</u> |
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|                                                                                                                              |                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BORING CO.</b> <u>Guild Drilling Company</u><br><b>FOREMAN</b> <u>D. Serowik</u><br><b>G-Z-A ENGINEER</b> <u>S. Hanna</u> | <b>BORING LOCATION</b> <u>See Location Plan</u><br><b>GROUND ELEV.</b> _____<br><b>DATE START</b> <u>2/2/82</u> <b>DATE END</b> <u>2/2/82</u> |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

| <u>CASING</u>             | <u>SAMPLER</u>                        | <u>GROUNDWATER READINGS</u> |              |                  |                           |
|---------------------------|---------------------------------------|-----------------------------|--------------|------------------|---------------------------|
| SIZE: <u>none (auger)</u> | TYPE: <u>Split Spoon</u> OTHER: _____ | <u>DATE</u>                 | <u>DEPTH</u> | <u>CASING AT</u> | <u>STABILIZATION TIME</u> |
| HAMMER: _____ lb.         | HAMMER <u>140</u> lb.                 | <u>2/2</u>                  | <u>4.2'</u>  | <u>out</u>       | <u>completion</u>         |
| FALL: _____               | FALL: <u>30"</u>                      |                             |              |                  |                           |

| DEPTH | CAS.<br>BL<br>/FT. | SAMPLE |           |       |              | STRATA<br>CHG.<br>and<br>GEN.<br>DESC. | SAMPLE DESCRIPTION<br>CLASSIFICATION                                                                 | NOTE |
|-------|--------------------|--------|-----------|-------|--------------|----------------------------------------|------------------------------------------------------------------------------------------------------|------|
|       |                    | NO.    | PEN./REC. | DEPTH | BLOWS/6"     |                                        |                                                                                                      |      |
| 2.5   |                    | S-1    |           | 0-2   | auger sample | FILL                                   | Dark brown-black, fine to medium SAND, little Silt, trace Organics, trace Wood, Brick, etc.          |      |
|       |                    |        |           |       |              |                                        |                                                                                                      |      |
|       |                    |        |           |       |              |                                        |                                                                                                      |      |
|       |                    |        |           |       |              |                                        |                                                                                                      |      |
|       |                    | S-2    | 24/15     | 2-4   | 6-3-3-2      |                                        | Dark brown, fine SAND, trace Silt, trace Organics with layers brown, fine to medium SAND, trace Silt |      |
|       |                    |        |           |       |              |                                        |                                                                                                      |      |
| 5     |                    |        |           |       |              | 4.0'                                   |                                                                                                      |      |
|       |                    |        |           |       |              |                                        | Bottom of Boring at 4.0' (required depth)                                                            |      |
|       |                    |        |           |       |              |                                        |                                                                                                      |      |
|       |                    |        |           |       |              |                                        |                                                                                                      |      |
|       |                    |        |           |       |              |                                        |                                                                                                      |      |
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|       |                    |        |           |       |              |                                        |                                                                                                      |      |

ADP 000262

ADP 000262

**REMARKS:** 1. Obstruction at ~.75'. Moved hole 2' towards E-3. Obstruction again at ~.75'. Moved 2' towards E-3. Hit obstruction at ~1'. Moved to 2' back from original location.

**NOTES:** 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THE BORING LOGS. FLUCTUATIONS IN THE LEVEL OF THE GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GOLDBERG · ZOINO & ASSOC., INC.  
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CONSULTANTS

PROJECT  
CENTERDALE MANOR  
CENTERDALE, RHODE ISLAND

REPORT OF BORING NO. E-8  
SHEET 1 OF 1  
DATE 2/2/82 FILE P-3227

BORING CO. Guild Drilling Company  
FOREMAN D. Serowik  
G-Z-A ENGINEER S. Hanna

BORING LOCATION See Location Plan  
GROUND ELEV. \_\_\_\_\_  
DATE START 2/2/82 DATE END 2/2/82

| <u>CASING</u>             |                          | <u>SAMPLER</u> |  | <u>GROUNDWATER READINGS</u> |       |           |                    |
|---------------------------|--------------------------|----------------|--|-----------------------------|-------|-----------|--------------------|
| SIZE: <u>none (auger)</u> | TYPE: <u>Split Spoon</u> | OTHER:         |  | DATE                        | DEPTH | CASING AT | STABILIZATION TIME |
| HAMMER: _____ lb.         | HAMMER <u>140</u> lb.    |                |  | 2/2                         | 12"   | out       | completion         |
| FALL: _____               | FALL: <u>30"</u>         |                |  |                             |       |           |                    |
|                           |                          |                |  |                             |       |           |                    |
|                           |                          |                |  |                             |       |           |                    |

| DEPTH | CAS. BL /FT. | SAMPLE |           |       |              | STRATA CHG and GEN. DESC. | SAMPLE DESCRIPTION<br>CLASSIFICATION                                                                                                                                                                                        | NOTE |
|-------|--------------|--------|-----------|-------|--------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|       |              | NO.    | PEN./REC. | DEPTH | BLOWS/6"     |                           |                                                                                                                                                                                                                             |      |
| 2.5   |              | S-1    |           | 0-2   | auger sample | FILL                      | Dark brown-black, fine to medium SAND, some Silt, trace Organics, trace gray powdery material (mortar?) 1<br>Gray, fine to medium SAND and SILT at ~1.5' in second hole<br><br>Brown-gray, fine to coarse SAND, little Silt |      |
|       |              |        |           |       |              |                           |                                                                                                                                                                                                                             |      |
|       |              |        |           |       |              |                           |                                                                                                                                                                                                                             |      |
|       |              |        |           |       |              |                           |                                                                                                                                                                                                                             |      |
| 5     |              | S-2    | 24/4      | 2-4   | 2-2-3-2      | 4.0'                      | Bottom of Boring at 4.0' (required depth)                                                                                                                                                                                   |      |
|       |              |        |           |       |              |                           |                                                                                                                                                                                                                             |      |
|       |              |        |           |       |              |                           |                                                                                                                                                                                                                             |      |
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|       |              |        |           |       |              |                           |                                                                                                                                                                                                                             |      |

ADP 000263

REMARKS: 1. Obstruction at 1.5'; moved hole ~.5' (new location on mortar location for E-8).

NOTES: 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THE BORING LOGS. FLUCTUATIONS IN THE LEVEL OF THE GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

GOLDBERG · ZOINO & ASSOC., INC.  
GEOTECHNICAL/GEOHYDROLOGICAL  
CONSULTANTS

PROJECT  
CENTERDALE MANOR  
CENTERDALE, RHODE ISLAND

REPORT OF BORING NO. 1-1  
SHEET 1 OF 1  
DATE 2/2/82 FILE P-3227

BORING CO. Guild Drilling Company  
FOREMAN D. Serowik  
G-Z-A ENGINEER S. Hanna

BORING LOCATION See Location Plan  
GROUND ELEV.   
DATE START 2/2/82 DATE END 2/2/82

CASING SAMPLER  
SIZE: none (auger) TYPE: Split Spoon OTHER:   
HAMMER: 1b HAMMER 140 lb  
FALL:  FALL: 30"

| GROUNDWATER READINGS |       |           |                    |
|----------------------|-------|-----------|--------------------|
| DATE                 | DEPTH | CASING AT | STABILIZATION TIME |
| 2/2                  | 31"   | out.      | completion         |
|                      |       |           |                    |
|                      |       |           |                    |
|                      |       |           |                    |

| DEPTH | CAS. BL /FT. | SAMPLE |           |       |              | STRATA CHG. and GEN. DESC. | SAMPLE DESCRIPTION CLASSIFICATION                                                      | NOTE |
|-------|--------------|--------|-----------|-------|--------------|----------------------------|----------------------------------------------------------------------------------------|------|
|       |              | NO.    | PEN./REC. | DEPTH | BLOWS/6"     |                            |                                                                                        |      |
| 2.5   |              | S-1    |           | 0-2   | auger sample | FILL                       | Green-gray, fine to coarse SAND, some- Silt, trace coarse Gravel                       |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              | S-2    | 24/15     | 2-4   | 3-3-2-2      |                            | Brown, fine to medium SAND, trace Silt, changing to black Silty PEAT at ~3'. Oily odor |      |
| 5     |              |        |           |       |              | 4.0'                       |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |
|       |              |        |           |       |              |                            |                                                                                        |      |

REMARKS:

ADP 000264

NOTES: 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.  
2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THE BORING LOGS. FLUCTUATIONS IN THE LEVEL OF THE GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

|                                                                                           |                                                                |                                                                                                         |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>GOLDBERG · ZOINO &amp; ASSOC., INC.</b><br>GEOTECHNICAL/GEOHYDROLOGICAL<br>CONSULTANTS | <b>PROJECT</b><br>CENTERDALE MANOR<br>CENTERDALE, RHODE ISLAND | <b>REPORT OF BORING NO.</b> E-10<br><b>SHEET</b> 1 <b>OF</b> 1<br><b>DATE</b> 2/2/82 <b>FILE</b> P-3227 |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|

|                                                                                                                              |                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BORING CO.</b> <u>Guild Drilling Company</u><br><b>FOREMAN</b> <u>D. Serowik</u><br><b>G-Z-A ENGINEER</b> <u>S. Hanna</u> | <b>BORING LOCATION</b> <u>See Location Plan</u><br><b>GROUND ELEV.</b> _____<br><b>DATE START</b> <u>2/2/82</u> <b>DATE END</b> <u>2/2/82</u> |
|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                             |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>CASING</b><br>SIZE: <u>none (auger)</u> TYPE: <u>Split Spoon</u> OTHER: _____<br>HAMMER: _____ lb. HAMMER <u>140</u> lb.<br>FALL: _____ FALL: <u>30"</u> | <b>SAMPLER</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|

| GROUNDWATER READINGS |       |           |                    |
|----------------------|-------|-----------|--------------------|
| DATE                 | DEPTH | CASING AT | STABILIZATION TIME |
| 2/2                  | 20"   | out       | completion         |
| 2/2                  | 18"   | out       | 5 minutes          |
|                      |       |           |                    |
|                      |       |           |                    |

| DEPTH | CAS. BL / FT. | SAMPLE |           |       |              | STRATA CHG and GEN. DESC. | SAMPLE DESCRIPTION<br>CLASSIFICATION                                                                                                                                                     | NOTE |
|-------|---------------|--------|-----------|-------|--------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|       |               | NO.    | PEN./REC. | DEPTH | BLOWS/6"     |                           |                                                                                                                                                                                          |      |
| 2.5   |               | S-1    |           | 0-2   | auger sample | FILL                      | Green-brown, fine to medium SAND, some Silt, trace Organics, trace Wood, changing to moist black, fine to medium SAND, trace Silt at ~1.5'<br><br>Brown, fine to medium SAND, trace Silt |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
| 5     |               | S-2    | 24/10     | 2-4   | 3-2-6-24     | 4.0'                      | Bottom of Boring at 4.0' (required depth)                                                                                                                                                |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |
|       |               |        |           |       |              |                           |                                                                                                                                                                                          |      |

REMARKS:

NOTES: 1) THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY BETWEEN SOIL TYPES AND THE TRANSITION MAY BE GRADUAL.  
 2) WATER LEVEL READINGS HAVE BEEN MADE IN THE DRILL HOLES AT TIMES AND UNDER CONDITIONS STATED ON THE BORING LOGS. FLUCTUATIONS IN THE LEVEL OF THE GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

Appendix B  
Compounds Analyzed

Metals

Arsenic  
Barium  
Cadmium  
Total Chromium  
Lead  
Mercury  
Silver  
Selenium

VOLATILE ORGANIC PRIORITY POLLUTANTS

COMPOUND

chloromethane  
dichlorodifluoromethane  
bromomethane  
vinyl chloride  
methylene chloride  
trichlorofluoromethane  
1,1-dichloroethylene  
bromochloromethane  
1,1-dichloroethane  
trans-1,2-dichloroethylene  
chloroform  
1,2-dichloroethane  
1,1,1-trichloroethane  
carbon tetra chloride  
bromodichloromethane  
1,2-dichloropropane  
trans-1,3-dichloropropene  
trichloroethylene  
dibromochloromethane  
cis-1,3 dichloropropene  
1,1,2-trichloroethane  
benzene  
bromoform  
tetrachloroethylene  
1,1,2,2-tetrachloroethane  
1,4-dichlorobutane  
toluene  
chlorobenzene  
ethylbenzene

Detection limit: <1 ppb

## Semivolatile Organics

### COMPOUND - Acids

\* 2,4,6-trichlorophenol  
\* p-chloro-m-cresol  
\* 2-chlorophenol  
\* 2,4-dichlorophenol  
\* 2,4-dimethylphenol  
\* 2-nitrophenol  
\* 4-nitrophenol  
\*\* 2,4-dinitrophenol  
\*\* 4,6-dinitrophenol  
\* pentachlorophenol  
\* phenol

### COMPOUND - Base/Neutrals

acenaphthene  
benzidine  
1,2,4-trichlorobenzene  
hexachlorobenzene  
hexachloroethane  
bis(chloromethyl)ether  
bix(2-chloroethyl)ether  
2-chloronaphthalene  
1,2-dichlorobenzene  
1,3-dichlorobenzene  
1,4-dichlorobenzene  
3,3'-dichlorobenzidine  
2,4-dinitrotoluene  
2,6-dinitrotoluene  
1,2-diphenylhydrazine  
fluoranthene  
4-chlorophenyl phenyl ether  
4-bromophenyl phenyl ether  
bis(2-chloroisopropyl)ether  
bis(2-chloroethoxy)methane  
hexachlorobutadiene  
hexachlorocyclopentadiene  
isophorone  
naphthalene  
nitrobenzene  
N-nitrosodimethylamine  
N-nitrosodiphenylamine  
N-nitrosodi-n-propylamine  
bis(2-ethylhexyl)phthalate  
butyl benzyl phthalate  
di-n-butyl phthalate

COMPOUND - Base/Neutrals (cont'd)

di-n-octyl phthalate  
diethyl phthalate  
dimethyl phthalate  
benzo(a)anthracene  
benzo(a)pyrene  
3,4benzofluoranthene  
benzo(k)fluoranthene  
chryzene  
acenaphthylene  
anthracene  
benzo(g,h,i)perylene  
fluorene  
phenanthrene  
dibenzo(a,h)anthracene  
indeno(1,2,3-cd)pyrene  
pyrene

Detection limit: 10 ppb  
\* detection limit: 25 ppb  
\*\* detection limits: 250 ppb

Appendix C  
Chemical Test Results





# *R.I. Analytical Laboratories, Inc.*

SPECIALIZING IN ENVIRONMENTAL ANALYSIS

231 ELM STREET  
WARWICK, R. I. 02888

PHONE: (401) 467-2452

## CERTIFICATE OF ANALYSIS

REPORT TO: Goldberg Zoiano & Associates  
293 South Main Street  
Providence, RI 02903  
Attn: Mr. Michael Powers

DATE RECEIVED 2/2/82  
DATE REPORTED 2/10/82  
PURCHASE ORDER NO. P-3227  
R.I.A.L. INV. NO. 6015

SAMPLE DESCRIPTION Fill material from proposed Centerdale Manor

Per your request, subject sample has been analyzed by our laboratory with the following results:

| <u>PARAMETER</u>           | <u>RESULTS</u> |
|----------------------------|----------------|
| Volatile Organics:*        |                |
| Chloroform                 | 3.4 ppb        |
| Trichloroethylene          | 5.1 ppb        |
| Toluene                    | 2.6 ppb        |
| Semivolatile Organics:*    |                |
| Acid Compounds             | N.D.           |
| Base/Neutral Compounds:    |                |
| Bis(2-ethylhexyl)phthalate | 1.3 ppb        |
| Arsenic                    | <0.01 mg/l     |
| Barium                     | 0.5 mg/l       |
| Cadmium                    | <0.005 mg/l    |
| Total Chromium             | <0.05 mg/l     |
| Lead                       | <0.1 mg/l      |
| Mercury                    | <0.0005 mg/l   |
| Silver                     | <0.01 mg/l     |
| Selenium                   | <0.01 mg/l     |

Continued to Page -2-

ADP 000271

APPROVED BY

Anthony E. Perrotti

Goldberg Zoiano & Associates  
Certificate of Analysis  
February 10, 1982  
Page -2-

- \* A list of volatile organic and semivolatile organic compounds and their detection limits is enclosed.

Note: As you requested, all above parameters were performed on an extract from the EP Toxicity Procedure, in accordance with Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, U. S. EPA, SW-846, 1980.

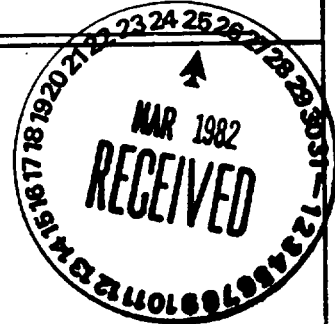
If you have any questions regarding this work or if we may be of further assistance, please contact us.



# FIELD SUMMAR

FILE No. P-3227

DATE 2/22/82 REPORT No. One SHEET 1 OF 1  
 PROJECT Centerdale Manor-Site Clearance LOCATION North Providence, R.I.  
 CLIENT Marshall Engineering CONTRACTOR Pezza  
 WEATHER CONDITIONS Clear REMARKS Below, D.



A. Arrived on site 0700 hours.

B. Equipment working:

- 1) 1 JD510 backhoe with front loading bucket.
- 2) 1 6-wheel dump truck.  
(both vehicles supplied by Pezza)
- 3) 1 operator, 1 foreman and 2 laborers.

C. Work accomplished:

One large concentration of disposed drums was removed from an area along the banks of the Woonasquatucket River and scattered drums were removed from the south end and east portions of the site. This observer selected drums to be saved for later sampling and analysis of contents for subsequent determination by DEM of appropriate disposal techniques.

D. Remarks:

- 1) Pezza employees were informed of the need for individual protective gear and cautioned to remove said equipment before leaving the site for lunch or the end of the day's work. A first aid station was maintained on site.
- 2) Drum excavation and removal techniques were modified slightly from those established by DEM. Drums selected for sampling were moved by sling onto the dump truck and subsequently transported to the concrete containment area. Approximately twenty (20) drums were segregated as to probable liquid, solid, or questionable contents.

E. Visitors:

Undersigned met Bill Lund and site supervisor for Marshall Engineering at 0800 hours. John Leo, a DEM engineer from Air and Hazardous Waste, visited the site and expressed approval of protective gear and drum removal techniques.

F. Left site 1600 hours.

Distribution:

William Lund, Marshall Engineering  
 John Leo, RIDEM  
 Gerard Graf, Robinson, Green, Beretta Corp.

|             |            |
|-------------|------------|
| ON-JOB TIME | <u>8.5</u> |
|             | <u>.5</u>  |
| TRAVEL TIME | <u>---</u> |
| OFFICE TIME | <u>---</u> |
| TOTAL TIME  | <u>9.0</u> |

ADP 000274



Michael Sherrill  
 PREPARED BY

# FIELD SUMMARY

FILE No. P-3227

DATE 2/23/82 REPORT No. Two SHEET 1 OF 1  
 PROJECT Centerdale Manor LOCATION North Providence, R.I.  
 CLIENT Marshall Engineering CONTRACTOR Pezza  
 WEATHER CONDITIONS Clear REMARKS Below, D.

A. Arrived on site 0730 hours.

B. Equipment working:

- 1) 1 JD510 backhoe with front loading bucket.
- 2) 1 6-wheel dump truck.
- 3) 1 operator, 1 foreman and 1 laborer.

C. Work accomplished:

- 1) Clearing of the southeast corner of the site continued. Drums were culled from trash piles and removed by hand or with the backhoe from the marsh areas. Drums adjudged to contain no chemical wastes materials were crushed and stockpiled on site for later disposal.
- 2) Approximately fifteen (15) drums were placed in the containment area for subsequent sampling. Three (3) 1-pint jars, one 1-gallon plastic jug, and one 1.5 liter bottle of unidentified liquid contents were unearthed and hand carried to the containment area.

D. Remarks:

- 1) Site was inspected by John Leo of R.I.D.E.M. He expressed satisfaction and approval of clearing operations.
- 2) Removal of drums from wet marsh area disturbed bottom materials and released unpleasant odors; when disturbance of this area ceased, odors dissipated. It is believed that the gases responsible are due to natural decay of vegetation rather than the release of disposed drum contents.
- 3) An insurance agent representing Pezza employees briefly observed removal operations. The individual commented that unprotected persons should be waved off from approaching the area.

E. Left site 1600 hours.

Distribution:

William Lund, Marshall Engineering  
 John Leo, RIDEM  
 Gerard Graf, Robinson, Green, Beretta Corp.

ON-JOB TIME 8.0  
 TRAVEL TIME .5  
 OFFICE TIME --  
 TOTAL TIME 8.5

ADP 000275



Michael Sherrill

PREPARED BY

# FIELD SUMMARY

FILE No. P-3227

DATE 2/24/82 REPORT No. Three SHEET 1 OF 1  
 PROJECT Centerdale Manor LOCATION North Providence, R.I.  
 CLIENT Marshall Engineering CONTRACTOR Pezza  
 WEATHER CONDITIONS Clear/Windy REMARKS Below, D.

A. Arrived on site 0730 hours.

B. Equipment working:

- 1) 1 backhoe with front bucket.
- 2) 1 dump truck.
- 3) 1 operator, 1 foreman and 1 laborer.

C. Work accomplished:

- 1) The marsh at the south end of the site was cleared of visible drums and three (3) large trash heaps were culled for hidden drums. This observer selected approximately ten (10) drums for containment and subsequent sampling.
- 2) One trash heap at the southwest end of the site was colored with fluorescent powder. Drums were culled from this pile for disposal and the remaining material was segregated for subsequent inspection by John Leo of RI DEM.

D. Remarks:

- 1) Representatives of the town visited the containment area and construction trailer.
- 2) Gusting winds produced some hazard of airborne particles; however, no problem developed.

E. Left site 1600 hours.

Distribution:

William Lund, Marshall Engineering  
 John Leo, RIDEM  
 Gerard Graf, Robinson, Green, Beretta Corp.

ON-JOB TIME 8.0  
 TRAVEL TIME .5  
 OFFICE TIME --  
 TOTAL TIME 8.5

ADP 000276



Michael Sherrill

PREPARED BY

# FIELD SUMMAI

FILE No. P-3227

DATE 2/25/82 REPORT No. Four SHEET 1 OF 1  
 PROJECT Centerdale Manor LOCATION North Providence, R.I.  
 CLIENT Marshall Engineering CONTRACTOR Pezza  
 WEATHER CONDITIONS Clear/Windy REMARKS Below, D.

A. Arrived on site 0730 hours.

B. Equipment working:

- 1) 1 JD 510 backhoe with front bucket.
- 2) 1 dump truck.
- 3) 1 operator, 1 foreman and 1 laborer.

C. Work accomplished:

- 1) Visible drums were removed from banks of the river and along the northeast bank of the swale. Approximately seven (7) drums were removed to the containment area for subsequent sampling.
- 2) Piles of crushed drums were collected and moved to the crushed drum staging area for subsequent removal and disposal off site.
- 3) At approximately 1330 hours, excavation of one (1) partially buried drum along the east section also unearthed a second drum which immediately emitted heavy gray smoke upon exposure to the air. Workers were waved off and Marshall survey crew was advised to avoid the area.

This observed notified John Leo of R.I.DEM, who arrived on site and directed the removal, sealing and handling of this drum. Pezza personnel were instructed as to proper procedure in the event of similar occurrences during future excavations in the area. No injuries were sustained.

This drum continued smoking slightly when in containment area, was resealed and removed from other drums.

D. Left site 1600 hours.

Distribution:

William Lund, Marshall Engineering  
 John Leo, RIDEM  
 Gerard Graf, Robinson, Green, Beretta Corp.

ADP 000277



|             |            |
|-------------|------------|
| ON-JOB TIME | <u>8.0</u> |
| TRAVEL TIME | <u>.5</u>  |
| OFFICE TIME | <u>--</u>  |
| TOTAL TIME  | <u>8.5</u> |

Michael Sherrill

PREPARED BY

# FIELD SUMMARY

FILE No. P-3227

DATE 2/26/82 REPORT No. Five SHEET 1 OF 1  
 PROJECT Centerdale Manor LOCATION North Providence, R.I.  
 CLIENT Marshall Engineering CONTRACTOR Pezza  
 WEATHER CONDITIONS Clear/Windy REMARKS \_\_\_\_\_

A. Arrived on site 0830 hours.

B. Equipment working:

- 1) 1 Fiat-Allis front-end loader with operator.
- 2) 1 foreman.
- 3) Dump trucks with drivers.

C. Work accomplished:

- 1) Pezza crew initiated removal of crushed drums from site.
- 2) John Leo of RIDEM and the undersigned opened and sampled the barrels held at the containment area. Approximately twenty (20) barrels were adjudged to contain no hazardous materials and were marked for crushing and removal.

The remainder were segregated as to liquid, solid, or corrosive contents. These were sampled. Based upon subsequent testing, the final disposition of these drums shall be determined by the DEM.

D. Remarks:

- 1) A representative of Marshall was notified that disposition of the remaining drums was contingent upon analysis of samples.
- 2) Pezza foreman was notified to remove additional drums from containment area marked for crushing and non-hazardous solid waste disposal. He was advised to continue handling of any drums encountered in subsequent excavations in the manner established during the past week. Any suspicious drums are to be handled with protective covering. The foreman has phone numbers for RIDEM and Goldberg-Zoino offices in the event additional smoking or drums of questionable contents are uncovered.

E. Left site at 1330 hours.

Distribution:

William Lund, Marshall Engineering  
 John Leo, RIDEM  
 Gerard Graf, Robinson, Green, Beretta Corp.

ADP 000278



ON-JOB TIME 5.0  
 TRAVEL TIME .5  
 OFFICE TIME 2.0  
 TOTAL TIME 7.5

Michael Sherrill

PREPARED BY

## FIELD OBSERVATION REPORT

## THE ROBIN ON GREEN BERETTA CORPORATION

ARCHITECTURE PLANNING ENVIRONMENT DESIGN DEVELOPMENT

Providence, Rhode Island (401) 272 - 1730

Putnam, Connecticut (203) 929 - 9210

|                                                                                            |                                                             |                |                            |                      |                                      |            |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------|----------------------------|----------------------|--------------------------------------|------------|
| PROJECT NAME<br><i>Centerdale Manor</i>                                                    |                                                             |                | PROJECT NO.<br><i>2629</i> |                      | CONTRACTOR<br><i>Marshall Cont's</i> |            |
| DATE<br><i>2/22/82</i>                                                                     | ARRIVAL TIME<br><i>9:30 - 10:00</i><br><i>11:30 - 12:00</i> | DEPARTURE TIME | WEATHER<br><i>cloudy</i>   | TEMP.<br><i>30's</i> | % SCHEDULED                          | % COMPLETE |
| WORK IN PROGRESS<br><i>Stock piling chemical drums</i><br><i>Empty drums being crushed</i> |                                                             |                |                            | WORK COMPLETED       |                                      |            |
|                                                                                            |                                                             |                |                            | WORK DELAYS          |                                      |            |

## OBSERVATIONS

*All workmen have protective clothing, boots etc*  
*Site visitation by D.E.M. - no complaints or violations*  
*P.E.M. outlined general procedure & indicated drums not containing waste or crushable*

## ITEMS TO VERIFY

## INFORMATION OR ACTION REQUIRED

## LABOR FORCE

ADP 000279

VISITORS *John Leo DEM*  
*Allen Brodd DEM*

SIGNED

*Richard H. Gray P.E.*  
 OBSERVER

# MARSHALL CONTRACTORS, INC.

75 NEWMAN AVENUE • RUMFORD, R.I. 02916 • 401/438-3500

Job No. 120 5

## DAILY JOB REPORT

JOB: CEUTERDALE MANDOR Weather        A.M.        P.M.

Location: N. PROU RI Temp.        A.M.        P.M.

Visitors: W. LUND, C. GRAFF, J. LEO

Date: 2/22/82

Report By: MR. [Signature]

| F | J | A | Trades/Sub  | Name       | Work Performed  |
|---|---|---|-------------|------------|-----------------|
| 1 |   |   | Supt.       | MCI        |                 |
| 1 | 1 |   | Engineers   | MCI        |                 |
|   |   |   | Carpenters  |            |                 |
|   |   |   | Laborers    |            |                 |
| 1 | 5 |   | Site        | PEZZA      | REMOVE BARRELS  |
|   |   |   | Foundations |            |                 |
|   |   |   | Slabs       |            |                 |
|   |   |   | Masonry     |            |                 |
|   |   |   | Structural  |            |                 |
|   |   |   | Carpentry   |            |                 |
|   |   |   | Roofers     |            |                 |
|   |   |   | Glazers     |            |                 |
|   |   |   | Finishes:   |            |                 |
|   |   |   | Ceilings    |            |                 |
|   |   |   | Floors      |            |                 |
|   |   |   | Painters    |            |                 |
|   |   |   | Walls       |            |                 |
|   |   |   | HVAC        |            |                 |
|   |   |   | Plumbers    |            |                 |
|   |   |   | Sprinkler   |            |                 |
|   |   |   | Electric    |            |                 |
| 1 |   |   | Others:     | B + Z      | INSPECT BARRELS |
| 1 | 3 |   |             | CITY FENCE | BUILD ENCLOSURE |

| Inv. No. | Materials recv'd. | Name/Number  |
|----------|-------------------|--------------|
|          |                   | Inspectors:  |
|          |                   | Backcharges: |
|          |                   | Extras:      |
|          |                   | T&M:         |
|          |                   | Subs EWO:    |
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

ADP 000280

# MARSHALL CONTRACTORS, INC.

75 NEWMAN AVENUE • RUMFORD, R.I. 02916 • 401/438-3500

Job No. 120

## DAILY JOB REPORT

JOB: CENTERDALE MAJOR Weather        A.M.        P.M.

Date: 2/23/82

Location: N. PROU RT Temp.        A.M.        P.M.

Report By: [Signature]

Visitors: B. GRAFF, J. LEO

| F | J | A | Trades/Sub  | Name  | Work Performed  |
|---|---|---|-------------|-------|-----------------|
| 1 |   |   | Supt.       | MCT   |                 |
| 1 | 1 |   | Engineers   | MCT   |                 |
|   |   |   | Carpenters  |       |                 |
|   |   |   | Laborers    |       |                 |
| 1 | 5 |   | Site        | PEZZA | REMOVE BARRELS  |
|   |   |   | Foundations |       |                 |
|   |   |   | Slabs       |       |                 |
|   |   |   | Masonry     |       |                 |
|   |   |   | Structural  |       |                 |
|   |   |   | Carpentry   |       |                 |
|   |   |   | Roofers     |       |                 |
|   |   |   | Glazers     |       |                 |
|   |   |   | Finishes:   |       |                 |
|   |   |   | Ceilings    |       |                 |
|   |   |   | Floors      |       |                 |
|   |   |   | Painters    |       |                 |
|   |   |   | Walls       |       |                 |
|   |   |   | HVAC        |       |                 |
|   |   |   | Plumbers    |       |                 |
|   |   |   | Sprinkler   |       |                 |
|   |   |   | Electric    |       |                 |
| 1 |   |   | Others:     | B+2   | INSPECT BARRELS |

| Inv. No. | Materials rec'd. | Name/Number  |
|----------|------------------|--------------|
|          |                  | Inspectors:  |
|          |                  | Backcharges: |
|          |                  | Extras:      |
|          |                  | T&M:         |
|          |                  | Subs EWO:    |
|          |                  |              |
|          |                  |              |
|          |                  |              |
|          |                  |              |

ADP 000281

# MARSHALL CONTRACTORS, INC.

75 NEWMAN AVENUE • RUMFORD, R.I. 02916 • 401/438-3500

Job No. 120

## DAILY JOB REPORT

JOB: CENTERDALE MAJOR Weather        A.M.        P.M.

Date: 2/24/82

Location: N. PROU RT Temp.        A.M.        P.M.

Report By: [Signature]

Visitors: W. LEWIS, G. GRAFF

| F | J | A | Trades/Sub  | Name         | Work Performed       |
|---|---|---|-------------|--------------|----------------------|
| 1 |   |   | Supt.       | <u>MCI</u>   |                      |
| 1 | 1 |   | Engineers   | <u>MCI</u>   |                      |
|   |   |   | Carpenters  |              |                      |
|   |   |   | Laborers    |              |                      |
| 1 | 4 |   | Site        | <u>PEZZA</u> | <u>REMOV BARRELS</u> |
|   |   |   | Foundations |              |                      |
|   |   |   | Slabs       |              |                      |
|   |   |   | Masonry     |              |                      |
|   |   |   | Structural  |              |                      |
|   |   |   | Carpentry   |              |                      |
|   |   |   | Roofers     |              |                      |
|   |   |   | Glazers     |              |                      |
|   |   |   | Finishes:   |              |                      |
|   |   |   | Ceilings    |              |                      |
|   |   |   | Floors      |              |                      |
|   |   |   | Painters    |              |                      |
|   |   |   | Walls       |              |                      |
|   |   |   | HVAC        |              |                      |
|   |   |   | Plumbers    |              |                      |
|   |   |   | Sprinkler   |              |                      |
|   |   |   | Electric    |              |                      |
| 1 |   |   | Others:     | <u>B+Z</u>   | <u>BARREL INSD</u>   |

| Inv. No. | Materials rec'd. | Name/Number  |
|----------|------------------|--------------|
|          |                  | Inspectors:  |
|          |                  | Backcharges: |
|          |                  | Extras:      |
|          |                  | T&M:         |
|          |                  | Subs EWO:    |
|          |                  |              |
|          |                  |              |
|          |                  |              |
|          |                  |              |
|          |                  |              |
|          |                  |              |

ADP 000282

**THE ROBINSON GREEN BERETTA CORPORATION**  
ARCHITECTURE PLANNING ENVIRONMENT DESIGN DEVELOPMENT  
Providence, Rhode Island (401) 272 - 1730 Putnam, Connecticut (203) 929 - 9210

|                                                                                                                                                                                                                                                  |                              |                                |                            |                                                |             |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------|----------------------------|------------------------------------------------|-------------|------------|
| PROJECT NAME<br><i>Centredole Manor</i>                                                                                                                                                                                                          |                              |                                | PROJECT NO.<br><i>2629</i> | CONTRACTOR<br><i>Marshall Contr's</i>          |             |            |
| DATE<br><i>2/25/82</i>                                                                                                                                                                                                                           | ARRIVAL TIME<br><i>10:00</i> | DEPARTURE TIME<br><i>10:45</i> | WEATHER<br><i>cloudy</i>   | TEMP.<br><i>Mid 20's</i>                       | % SCHEDULED | % COMPLETE |
| WORK IN PROGRESS<br><i>Piling steel drums</i>                                                                                                                                                                                                    |                              |                                |                            | WORK COMPLETED                                 |             |            |
|                                                                                                                                                                                                                                                  |                              |                                |                            | WORK DELAYS                                    |             |            |
| OBSERVATIONS<br><i>Workers wearing protective clothing &amp; face masks<br/>Drums w/ residue or questionable material being stored in secure area<br/>Empty drums being stock-piled &amp; crushed.<br/>Off-site trucking may begin tomorrow.</i> |                              |                                |                            |                                                |             |            |
| ITEMS TO VERIFY<br><i>Disposal of drums to approved/certified landfill<br/>John Leo - PERM will call selected landfill operator (up to Marshall)<br/>to clear dumping<br/>John Leo - phone call - excellent job being done</i>                   |                              |                                |                            |                                                |             |            |
| INFORMATION OR ACTION REQUIRED<br><br><i>P</i>                                                                                                                                                                                                   |                              |                                |                            |                                                |             |            |
| LABOR FORCE                                                                                                                                                                                                                                      |                              |                                |                            |                                                |             |            |
| VISITORS                                                                                                                                                                                                                                         |                              |                                |                            |                                                |             |            |
|                                                                                                                                                                                                                                                  |                              |                                |                            | ADP 000283                                     |             |            |
|                                                                                                                                                                                                                                                  |                              |                                |                            | SIGNED <i>Richard A. Gray P.E.</i><br>OBSERVER |             |            |

2 John Street  
PROVIDENCE, RHODE ISLAND 02906

TO Marshall Contractors  
75 Newman Avenue  
Rumford, RI 02916

[illegible]

☐ Shop drawings    ☐ Prints    ☐ Plans    ☐ Samples    ☐ Specifications  
☐ Copy of letter    ☐ Change order    ☒ OBSERVATION

| COPIES | DATE    | NO. | DESCRIPTION          |
|--------|---------|-----|----------------------|
|        |         |     |                      |
|        |         |     |                      |
|        |         |     |                      |
| 1      | 2-25-82 |     | Observed by G. Graf. |
|        |         |     |                      |
|        |         |     |                      |
|        |         |     |                      |
|        |         |     |                      |

☐ For approval      ☐ Approved as submitted      ☐ Resubmit \_\_\_\_\_ copies for approval  
☒ For your use      ☐ Approved as noted      ☐ Submit \_\_\_\_\_ copies for distribution  
☐ As requested      ☐ Returned for corrections      ☐ Return \_\_\_\_\_ corrected prints  
☐ For review and comment      ☐ \_\_\_\_\_  
☐ FOR BIDS DUE \_\_\_\_\_ 19\_\_\_\_ ☐ PRINTS RETURNED AFTER LOAN TO US

[illegible]

SIGNED: K.N. Cambra

# MARSHALL CONTRACTORS, INC.

75 NEWMAN AVENUE • RUMFORD, R.I. 02916 • 401/438-3500

Job No. ~~995~~ 120

## DAILY JOB REPORT

JOB: CENTERTALE MAMP Weather \_\_\_\_\_ A.M. \_\_\_\_\_ P.M.

Date: 2/25/82

Location: N. PROU RI Temp. \_\_\_\_\_ A.M. \_\_\_\_\_ P.M.

Report By: MR. [Signature]

Visitors: W. LUND, J. LEO

| F | J | A | Trades/Sub  | Name  | Work Performed |
|---|---|---|-------------|-------|----------------|
| 1 |   |   | Supt.       | MCT   |                |
| 1 | 1 |   | Engineers   | MCT   |                |
|   |   |   | Carpenters  |       |                |
|   |   |   | Laborers    |       |                |
| 1 | 4 |   | Site        | PEZZA | BARREL REMOVAL |
|   |   |   | Foundations |       |                |
|   |   |   | Slabs       |       |                |
|   |   |   | Masonry     |       |                |
|   |   |   | Structural  |       |                |
|   |   |   | Carpentry   |       |                |
|   |   |   | Roofers     |       |                |
|   |   |   | Glazers     |       |                |
|   |   |   | Finishes:   |       |                |
|   |   |   | Ceilings    |       |                |
|   |   |   | Floors      |       |                |
|   |   |   | Painters    |       |                |
|   |   |   | Walls       |       |                |
|   |   |   | HVAC        |       |                |
|   |   |   | Plumbers    |       |                |
|   |   |   | Sprinkler   |       |                |
|   |   |   | Electric    |       |                |
| 1 |   |   | Others:     | BZZ   | BARREL INSP.   |

| Inv. No. | Materials rec'd.             | Name/Number  |
|----------|------------------------------|--------------|
|          | ANN CONWAY at 4.6 questioned | Inspectors:  |
|          | INSP ABOUT OPERATION +       | Backcharges: |
|          | filmed same                  | Extras:      |
|          |                              | T&M:         |
|          |                              | Subs EWO:    |
|          |                              |              |
|          |                              |              |
|          |                              |              |
|          |                              |              |

ADP 000285

# MARSHALL CONTRACTORS, INC.

75 NEWMAN AVENUE • RUMFORD, R.I. 02916 • 401/438-3500

Job No. 120

## DAILY JOB REPORT

JOB: CENTERDALE MANOR Weather        A.M.        P.M.

Location: N. PROU RD Temp.        A.M.        P.M.

Visitors: J. LEO

Date: 2/26/82

Report By: MR. [Signature]

| F | J | A | Trades/Sub  | Name             | Work Performed                     |
|---|---|---|-------------|------------------|------------------------------------|
| 1 |   |   | Supt.       | <u>MCI</u>       |                                    |
| 1 | 1 |   | Engineers   | <u>MCI</u>       |                                    |
|   |   |   | Carpenters  |                  |                                    |
|   |   |   | Laborers    |                  |                                    |
| 1 | 3 |   | Site        | <u>PEZZA</u>     | <u>LOADING DEBRIS + BARRELS</u>    |
|   |   |   | Foundations |                  |                                    |
|   |   |   | Slabs       |                  |                                    |
|   |   |   | Masonry     |                  |                                    |
|   |   |   | Structural  |                  |                                    |
|   |   |   | Carpentry   |                  |                                    |
|   |   |   | Roofers     |                  |                                    |
|   |   |   | Glazers     |                  |                                    |
|   |   |   | Finishes:   |                  |                                    |
|   |   |   | Ceilings    |                  |                                    |
|   |   |   | Floors      |                  |                                    |
|   |   |   | Painters    |                  |                                    |
|   |   |   | Walls       |                  |                                    |
|   |   |   | HVAC        |                  |                                    |
|   |   |   | Plumbers    |                  |                                    |
|   |   |   | Sprinkler   |                  |                                    |
|   |   |   | Electric    |                  |                                    |
| 1 |   |   | Others:     | <u>G+Z + DEM</u> | <u>SAMPLED BARRELS + INDICATED</u> |
|   |   |   |             |                  | <u>CERTAIN ONES TO BE CRUSHED</u>  |

| Inv. No. | Materials rec'd.                   | Name/Number  |
|----------|------------------------------------|--------------|
|          | <u>PROU. JOURNAL REPORTER</u>      | Inspectors:  |
|          | <u>TOOK PICTURES + INTERVIEWED</u> | Backcharges: |
|          | <u>J. GREENE</u>                   | Extras:      |
|          |                                    | T&M:         |
|          |                                    | Subs EWO:    |
|          |                                    |              |
|          |                                    |              |
|          |                                    |              |
|          |                                    |              |

ADP 000286

# North/West Bulletin

North Providence Smithfield Johnston Glocester Scituate Foster

Section  
The Evening Bulletin  
Monday, March 1, 1982

**B**

- Obituaries B-2
- Local news B-3
- Sports B-4
- Classified B-8
- Comics E-15

## 200 barrels dug up at site for housing

### No health threat found by men in space-age suits

By G. WAYNE MILLER  
Journal-Bulletin Staff Writer

**N. Providence**

NORTH PROVIDENCE — It could have been a scene from Love Canal, the notorious hazardous waste dump, as men in space-age white suits, masks and gloves dutifully and gingerly handled 200 rusted steel barrels. But it was North Providence, not Niagara Falls, N.Y., where technicians last week were meticulously probing an old barrel burial ground along the Woonasquicket River. The preparation for construction of a housing complex for the elderly and their task in determining if the wasted barrels cluttering the old industrial site contained hazardous materials.

According to Alan R. Brodd, a senior engineer for the state Department of Environmental Management, Division of Air and Hazardous Materials, there is no evidence yet of any health threat from the approximately 200 barrels that have been uncovered. Engineer Alan R. Brodd said about 150 of the barrels were empty.

Materials, including an iridescent reddish-purple powder that resembles dye, will undergo laboratory analysis, Brodd said. According to the engineer, soil borings made earlier this year in the area indicated no pollution. Although he discounted any "great probability" of a significant health problem, Brodd said it is possible that laboratory tests could identify hazardous materials from the barrel samples.

That chance prompted workers to don protective suits, masks and gloves, Brodd said. After removal from the ground, the barrels were moved to a safe area, enclosed by a chain-link fence for sampling and identification. Most appear to be empty, old barrels. About 50 had something in them. There may be some hazardous materials in some of these barrels," he said.



# Barrels dug up at housing site

Continued from Page B-1

are disposed of properly. The Providence firm has been retained by Marshall Contractors, the developer, to test the contents of the barrels. The state is providing only technical assistance and supervision, Brodd said.

LIKE OTHER AREAS along both sides of the Woonasquicket, industry inevitably left its mark on this empty lot, now overgrown with weeds, turned brown and lifeless in the dead of winter. Next door to Brook Village, another public housing project which arose in the 1970s from similar rubble, officials say, the site was home to a barrel-reclamation factory that they identified as Metro Atlantic Chemicals. Even earlier, they said, a textile firm that used large quantities of dye was located there, and a battery business, according to

Brodd, was cleaning and repainting used barrels for eventual resale. When the factory was razed several years ago, he said, some unsold barrels were partially buried along the Woonasquicket. Every now and then, he said, the river has dislodged a barrel or two, sending them downstream.

WHEN TWO white-suited men arrived on the job about a week ago, their touristic appearance startled some North Providence residents who had not been notified of the upcoming project. Some brought the men on Tuesday to town council meetings, where they were told that they were not to be there. "It was a kind of scare at first," said Sharon Serio, who lives at 41 Steere Ave., which has a view of the Woonasquicket and the excavation site.

According to a spokesman for Goldberg & Zolno, laboratory analysts have disclosed the presence of paint residues and lead in some

barrels. Brodd said laboratory work is continuing this week. According to Brodd, the barrel probe will continue this week, although he said it appears most of the drums have been found. Still, the white-suited men will be on standby as excavation proceeds, he said.

CENTRALE MANOR, the housing project for the elderly, will provide 122 apartments for older and handicapped persons who will be eligible for federal rent subsidies. Marshall Contractors, an East Providence firm, has a \$5.01-million loan from the Rhode Island Housing and Finance Mortgage Corp. for construction. Casimir Kolaski, a spokesman for the federal Department of Housing and Urban Development, which last year approved a \$757,188 annual rent subsidy, said last week that the complex is expected to be completed and ready for occupancy in a year.

# MARSHALL CONTRACTORS, INC.

75 NEWMAN AVENUE • RUMFORD, R.I. 02916 • 401/438-3500

Job No. 120

## DAILY JOB REPORT

JOB: CENTENNIAL MANOR Weather Cir A.M. Cloudy P.M.

Location: N. Prov Temp. 14° A.M. 30° P.M.

Date: 3-1-82

Report By: SW GEORGE

Visitors: G. GRAFF, V. LEO, & PARTY, WPRI-TV CREW, CHANNEL 6 TV CREW

| F | J | A | Trades/Sub  | Name         | Work Performed                             |
|---|---|---|-------------|--------------|--------------------------------------------|
| 1 |   |   | Supt.       |              |                                            |
| 1 |   |   | Engineers   |              |                                            |
|   |   |   | Carpenters  |              |                                            |
|   |   |   | Laborers    |              |                                            |
| 1 | A |   | Site        | <u>FEZZA</u> | <u>1 PALLOADER, 3 TRUCKS LOADING</u>       |
|   |   |   | Foundations |              | <u>BRUSH &amp; DEBRIS</u>                  |
|   |   |   | Slabs       |              |                                            |
|   |   |   | Masonry     |              |                                            |
|   |   |   | Structural  |              |                                            |
|   |   |   | Carpentry   |              |                                            |
|   |   |   | Roofers     |              |                                            |
|   |   |   | Glazers     |              |                                            |
|   |   |   | Finishes:   |              |                                            |
|   |   |   | Ceilings    |              |                                            |
|   |   |   | Floors      |              |                                            |
|   |   |   | Painters    |              |                                            |
|   |   |   | Walls       |              |                                            |
|   |   |   | HVAC        |              |                                            |
|   |   |   | Plumbers    |              | <u>WPRI-TV CREW - VIDEO TAPED</u>          |
|   |   |   | Sprinkler   |              | <u>BARRELS &amp; SITE</u>                  |
|   |   |   | Electric    |              | <u>CHANNEL 6-TV FILMED &amp; DEM PARTY</u> |
|   |   |   | Others:     |              |                                            |

| Inv. No. | Materials recv'd. | Name/Number  |
|----------|-------------------|--------------|
|          |                   | Inspectors:  |
|          |                   | Backcharges: |
|          |                   | Extras:      |
|          |                   | T&M:         |
|          |                   | Subs EWO:    |
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |
|          |                   |              |

ADP 000289

## FIELD OBSERVATION REPORT

## THE ROBINSON GREEN BERETTA CORPORATION

ARCHITECTURE PLANNING ENVIRONMENT DESIGN DEVELOPMENT

Providence, Rhode Island (401) 272 - 1730

Putnam, Connecticut (203) 929 - 9210

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |                                |                            |  |                                       |             |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------|----------------------------|--|---------------------------------------|-------------|------------|
| PROJECT NAME<br><i>Centredale Manor</i>                                                                                                                                                                                                                                                                                                                                                                                                                                 |                             |                                | PROJECT NO.<br><i>2621</i> |  | CONTRACTOR<br><i>Marshall Contr's</i> |             |            |
| DATE<br><i>9-1-82</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ARRIVAL TIME<br><i>9:00</i> | DEPARTURE TIME<br><i>10:00</i> | WEATHER<br><i>cloudy</i>   |  | TEMP.<br><i>30's</i>                  | % SCHEDULED | % COMPLETE |
| WORK IN PROGRESS<br><i>loading barrels from crushing pile</i>                                                                                                                                                                                                                                                                                                                                                                                                           |                             |                                |                            |  | WORK COMPLETED                        |             |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |                                |                            |  | WORK DELAYS                           |             |            |
| OBSERVATIONS<br><i>D.E.M. inspecting barrels within secured area</i><br><i>D.E.M. recommends obtaining 8-12 overpacks</i>                                                                                                                                                                                                                                                                                                                                               |                             |                                |                            |  |                                       |             |            |
| ITEMS TO VERIFY                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |                                |                            |  |                                       |             |            |
| INFORMATION OR ACTION REQUIRED<br><div style="text-align: right;">           RECEIVED BY THE R&amp;B CORP.<br/>           RAD <input checked="" type="checkbox"/> JAB <input type="checkbox"/> GJJ <input type="checkbox"/><br/>           JRB <input type="checkbox"/> DMN <input type="checkbox"/> GHG <input type="checkbox"/><br/>           ACTION BY _____<br/> <b>MAR 03 1982</b> </div>                                                                         |                             |                                |                            |  |                                       |             |            |
| LABOR FORCE<br><div style="text-align: right;">           TRZ <input type="checkbox"/> WG <input type="checkbox"/> RJF <input type="checkbox"/><br/>           JRC <input type="checkbox"/> WKA <input type="checkbox"/> GEM <input type="checkbox"/><br/>           MS <input type="checkbox"/> RMS <input type="checkbox"/> JEB <input type="checkbox"/><br/>           JTN <input type="checkbox"/> RJG <input type="checkbox"/> KRW <input type="checkbox"/> </div> |                             |                                |                            |  |                                       |             |            |
| VISITORS<br><i>John Leo } DEM</i><br><i>Allen Brodd }</i>                                                                                                                                                                                                                                                                                                                                                                                                               |                             |                                |                            |  |                                       |             |            |
| SIGNED <i>Richard H. Young P.E.</i><br>OBSERVER                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |                                |                            |  |                                       |             |            |

ADP 000290

## FIELD OBSERVATION REPORT

## THE ROBINSON GREEN BERETTA CORPORATION

ARCHITECTURE PLANNING ENVIRONMENT DESIGN DEVELOPMENT

Providence, Rhode Island (401) 272 - 1730

Putnam, Connecticut (203) 929 - 9210

|                                                                                                                                            |                             |                               |                           |                                                                                                                                                                                                                                                           |             |            |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|
| PROJECT NAME<br><i>Centredale Manor</i>                                                                                                    |                             |                               | PROJECT NO.               | CONTRACTOR<br><i>Marshall Contus</i>                                                                                                                                                                                                                      |             |            |
| DATE<br><i>9/5/82</i>                                                                                                                      | ARRIVAL TIME<br><i>8:45</i> | DEPARTURE TIME<br><i>9:00</i> | WEATHER<br><i>drizzle</i> | TEMP.<br><i>46°</i>                                                                                                                                                                                                                                       | % SCHEDULED | % COMPLETE |
| WORK IN PROGRESS<br><i>None</i>                                                                                                            |                             |                               |                           | WORK COMPLETED                                                                                                                                                                                                                                            |             |            |
|                                                                                                                                            |                             |                               |                           | WORK DELAYS                                                                                                                                                                                                                                               |             |            |
| OBSERVATIONS<br><i>Areas being staked</i><br><i>Barrel removal finished</i><br><i>Some barrels in secured area awaiting classification</i> |                             |                               |                           |                                                                                                                                                                                                                                                           |             |            |
| ITEMS TO VERIFY                                                                                                                            |                             |                               |                           |                                                                                                                                                                                                                                                           |             |            |
| INFORMATION OR ACTION REQUIRED                                                                                                             |                             |                               |                           |                                                                                                                                                                                                                                                           |             |            |
| LABOR FORCE<br><i>Front end loader &amp; backhoe on site</i>                                                                               |                             |                               |                           | RECEIVED BY THE RGB CORP.<br>RAD <i>/</i> JAB <i>/</i> GJJ<br>JRB <i>/</i> DMN <i>/</i> GHG<br>ACTION BY<br>MAR 08 1982<br>TRZ <i>/</i> WG <i>/</i> RJP<br>JRC <i>/</i> WKA <i>/</i> GEM<br>MS <i>/</i> RMS <i>/</i> JEB<br>JTN <i>/</i> RJG <i>/</i> KRW |             |            |
| VISITORS                                                                                                                                   |                             |                               |                           | ADP 000291                                                                                                                                                                                                                                                |             |            |
| SIGNED <i>Richard H. Yung PC</i>                                                                                                           |                             |                               |                           | OBSERVER                                                                                                                                                                                                                                                  |             |            |



MARSHALL CONTRACTORS, INC.

March 8, 1982

C. Pezza & Sons, Inc.  
90 Putnam Avenue  
Johnston, R.I. 02919

Reference: Centerdale Manor  
North Providence, R.I.

Attention: Lenny Pezza

Dear Len:

Please find enclosed a letter dated February 26, 1982 from the Department of Environmental Management, with respect to the disposal of the empty barrels and drums found at the above captioned project. Please maintain this copy for your records.

If you have any questions, please contact me at your earliest convenience.

Very truly yours,

MARSHALL CONTRACTORS, INC.

William R. Lund  
Project Manager

WRL:lm

enclosure  
cc: Gerry Graf

ADP 000292



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
75 Davis Street  
Providence, R. I. 02908



26 February 1982

Mr. William Lund  
Marshall Contractors, Inc.  
75 Newman Avenue  
East Providence, Rhode Island

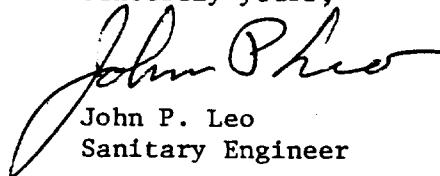
Dear Mr. Lund:

Based on both visual and field analytical procedures, the empty barrels and drums located at the old Metro Chemical site in Centredale, North Providence have been found to be non hazardous.

These barrels have been verified as being empty of all hazardous materials. They are, however, solid waste material and as such will have to be disposed of at a properly licensed solid waste facility of your choice, such as Capuano's Sanitary Landfill or Solid Waste Management's Central Landfill. This material cannot be used as clean fill because it has been deemed solid waste material.

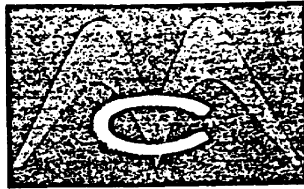
If you have any further questions concerning this matter, please feel free to contact me at 277-2797.

Sincerely yours,

  
John P. Leo  
Sanitary Engineer

JPL:1mm

ADP 000293



MARSHALL CONTRACTORS INC.

April 8, 1982

Goldberg-Zoino & Associates, Inc.  
255 South Main Street  
Providence, RI 02903

RE: Centerdale Manor  
North Providence, RI - Job No. 120

Gentlemen:

We enclose herewith the original and one (1) copy of Contract Purchase Order No. 120-3.

Please execute both copies in the space provided and initial every page of all Riders and Schedules attached thereto. Retain one copy for your files and records and return the original to us.

Should you have any questions in this matter, please address them to the writer as no modifications to the Contract Purchase Order will be allowed.

Very truly yours,

MARSHALL CONTRACTORS, INC.

James E. Conlon  
Purchasing Agent

JEC:kr

Enc.

bcc: Bill Lund w/att  
Superintendent w/att  
~~Expediting w/att~~  
File w/back up

ADP 000294

# contract purchase order



MARSHALL CONTRACTORS, INC.

75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

CONTRACT NO. 120  
C.P.O. NO. 120-3

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING  
NOTICES, PACKAGES, CORRESPONDENCE, ETC.

Vendor No. 07055  
Cost Code No. 01410

DATE March 25, 1982  
VENDOR

Goldberg-Zoino & Associates, Inc.  
255 South Main Street  
Providence, RI

JOB  
Centerdale Manor  
North Providence, RI

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B. See Below

NET 30 DAYS DISCOUNT -- % -- DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES As Requested By Contractor

Furnish all necessary labor, material and/or equipment required and perform all services and work necessary to complete TESTING AND INSPECTION SERVICES all to be as required and in strict accordance with the Agreement between Owner and Contractor and the Project Plans and Specifications as prepared by The Robinson Green Beretta Corp., Architect.

The scope of the work of this Contract Purchase Order includes and is based on the following:

1. Scope of Services:

The following provides a summary and an outline of the services to be provided by GZA.

a) Removal of Chemical Wastes:

GZA will oversee and assist in the removal of the remaining thirty or so chemical drums which are stored onsite. Included is time to assist DEM personnel in hatching of appropriate chemicals.

b) Earthwork Observation and Testing:

GZA personnel will observe, as required, the placement of fill within the building. Included is time to perform an appropriate number of field density tests.

Page 1 of 5

MARSHALL CONTRACTORS, INC.

BY  
James E. Conlon  
TITLE Purchasing Agent

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

FORM 100-3/79

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Goldberg-Zoino & Assoc., Inc.  
Vendor

BY

TITLE

DATE

ADP 000295

# contract purchase order



MARSHALL CONTRACTORS, INC.

75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

CONTRACT NO. 120  
C.P.O. NO. 120-3

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING NOTICES, PACKAGES, CORRESPONDENCE, ETC.

DATE March 25, 1982

VENDOR

Goldberg-Zoino & Associates, Inc.

JOB

Centerdale Manor

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TERMS OF DELIVERY: F.O.B.

SHIPPING INSTRUCTIONS: SHIPPING DATES

NET DAYS: DISCOUNT % DAYS

c) Maintaining of a Pile Load Test:

Field personnel will be provided to observe and log the driving of test piles and to monitor the performance of a pile load test. Included is the rental of a load cell and the preparation of a brief engineering report.

d) Observation of Pile Driving Operations:

GZA will provide personnel to observe and log the driving of production piles. Included is the preparation and testing of grout samples. The Thompson and Lichtner Company will test all grout samples and serve as consultants, on an as needed basis, in evaluating the performance of the grout. The reports of all work performed will be detailed in daily field reports.

2. Commitment Value:

|    | <u>Task Description</u>                                             | <u>Person Days</u> | <u>Cost</u> |
|----|---------------------------------------------------------------------|--------------------|-------------|
| 1. | Removal of chemical wastes                                          | 1                  | \$250.00    |
| 2. | Earthwork observation and testing-field tests billed at field rates | 2                  | \$500.00    |

Page 2 of 5

MARSHALL CONTRACTORS, INC.

BY

James E. Conlon

TITLE Purchasing Agent

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FORM 100-3/79

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Goldberg-Zoino & Assoc., Inc.  
Vendor

BY

TITLE

DATE

ADP 000296

# contract purchase order



MARSHALL CONTRACTORS, INC.  
75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

CONTRACT NO. 120  
C.P.O. NO. 120-3

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING NOTICES, PACKAGES, CORRESPONDENCE, ETC.

DATE March 25, 1982

VENDOR

Goldberg-Zoino & Associates, Inc.

JOB

Centerdale Manor

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TERMS OF DELIVERY: F.O.B.

NET DAYS: DISCOUNT % DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES

| <u>Task Description</u>                                           | <u>Person Days</u> | <u>Cost</u>       |
|-------------------------------------------------------------------|--------------------|-------------------|
| 3. Monitoring of pile load test                                   |                    |                   |
| 1 day pile driving                                                | 1                  |                   |
| 72 hour test                                                      | 9                  |                   |
| Rental of load cell                                               | \$100.00           |                   |
| Report preparation                                                | 1                  | \$2,750.00        |
| 4. Observation of pile driving                                    |                    |                   |
| 15 days of pile driving with office supervisor                    |                    | \$4,500.00        |
| Testing of grout sample and consultation with Thompson & Lichtner |                    | <u>\$1,200.00</u> |
| Commitment Value:                                                 |                    | \$9,200.00        |

A "person day" is defined to include an 8 hour day.

The Commitment Value is based on an understanding of the work to be completed. Billings will be based on the actual time and expenses accrued in accordance with the following Fee Schedule:

Page 3 of 5

MARSHALL CONTRACTORS, INC.

BY

James E. Conlon  
TITLE Purchasing Agent

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

FORM 100-3/79

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Goldberg-Zoino & Assoc., Inc.

Vendor

BY

TITLE

ADP 000297

DATE

# contract purchase order

CONTRACT NO. 120  
C.P.O. NO. 120-3



THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES. SHIPPING NOTICES, PACKAGES, CORRESPONDENCE, ETC.

DATE March 25, 1982

VENDOR

Goldberg-Zoino & Associates, Inc.

JOB

Centerdale Manor

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TERMS OF DELIVERY: F.O.B.

NET DAYS: DISCOUNT % DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES

|    |                                                                                     |                                                             |
|----|-------------------------------------------------------------------------------------|-------------------------------------------------------------|
| a) | Principal                                                                           | \$75.00 per hour                                            |
| b) | Associate                                                                           | \$65.00 per hour                                            |
| c) | Senior Engineer or Geologist                                                        | \$55.00 per hour                                            |
| d) | Drafting                                                                            | \$35.00 per hour                                            |
| e) | Staff                                                                               | At Salary costs<br>(including fringe<br>benefits) times 2.4 |
| f) | Out of pocket expenses                                                              | Actual cost + 15%                                           |
| g) | Outside Services                                                                    | Invoice Cost + 15%                                          |
| h) | Laboratory Soil Tests                                                               | Price Schedule avail-<br>able on request                    |
| i) | Expert Testimony and Special<br>Consulting Services of<br>Principals and Associates | \$100.00 per hour                                           |

The above rates for Principals, Associates and Staff will be charged for time as follows:

- (i) The time required for traveling from Newton, MA, or branch office to jobsite and return;
- (ii) The time required for working on the job; the minimum charge for a day at the jobsite is 8 hours; and
- (iii) The time required for traveling between motel and job-site in excess of one-half hour each way.

Page 4 of 5

MARSHALL CONTRACTORS, INC.

BY

James E. Conlon

TITLE Purchasing Agent

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Goldberg-Zoino & Assoc., Inc.

Vendor

BY

TITLE

DATE

ADP 000298

# contract purchase order



MARSHALL CONTRACTORS, INC.

75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

CONTRACT NO. 120  
C.P.O. NO. 120-3

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING  
NOTICES, PACKAGES, CORRESPONDENCE, ETC.

DATE March 25, 1982  
VENDOR 401/421-4140

Goldberg-Zoino & Associates, Inc.  
255 South Main Street  
Providence, RI

JOB

Centerdale Manor  
North Providence, RI

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand  
corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B. NET DAYS: DISCOUNT % DAYS  
SHIPPING INSTRUCTIONS: SHIPPING DATES

The Commitment Value will not be exceeded unless authorized  
by Contractor by issuance of a written amendment to this  
Contract Purchase Order.

3. GZA will deliver to Contractor evidence of its Professional  
Liability Insurance in amounts normally provided for the  
services described herein and in the form of certificates  
with the Contractor listed as the named insured.
4. All prices set forth herein include all applicable Sales  
and/or Use Taxes.

Page 5 of 5

MARSHALL CONTRACTORS, INC.

BY \_\_\_\_\_  
James E. Conlon  
TITLE Purchasing Agent

RENDER ALL INVOICES IN TRIPLICATE  
Subject to all the general conditions on reverse side which are a part hereof.

FORM 100-3 79

ACCEPTED, Subject to all terms and conditions hereof, including  
the general conditions on the reverse side hereof.

FIRM Goldberg-Zoino & Assoc., Inc.  
Vendor

BY \_\_\_\_\_  
TITLE \_\_\_\_\_  
DATE \_\_\_\_\_

ADP 000299



MARSHALL CONTRACTORS INC.

*How Do you keep  
Centerdale Site better  
agreement in 300 K*

*S*

March 25, 1982

Centerdale Manor Associates  
75 Newman Avenue  
Rumford, RI 02916

Attention: Mr. John L. Marshall, III

Re: Centerdale Manor  
N. Providence, RI/Job No. 120

Dear Jack:

Please find attached Meeting Minutes taken at the job site this date which relate to several unacceptable soil conditions which have been uncovered during the site preparation stage. They relate to sludge pits, unstable debris filled areas as well as unknown underground structures which we have discovered on site.

At this time, I have requested a Change Proposal Request and/or supplemental instructions from the Architect to determine the proper means of stabilizing the various areas and other recommendations as to how we should proceed with the site work in general.

However, it should be pointed out that we are proceeding to remove the specific sludge pits in the areas of the entrance drive and access road around the building so that construction may proceed.

Unit prices are being established and will be controlled by topographic contours prepared by our Field Engineers. At such time as this information has been prepared, I will submit a Change Order Request for your review and approval.

ADP 000300

75 NEWMAN AVENUE, RUMFORD, RHODE ISLAND 02916 TEL. (401) 438-3500

MARSHALL CONTRACTORS, INC.

Mr. John L. Marshall, III  
Centerdale Manor Associates  
March 25, 1982  
Page 2

If any further developments occur, I will notify you accordingly.

Very truly yours,

MARSHALL CONTRACTORS, INC.

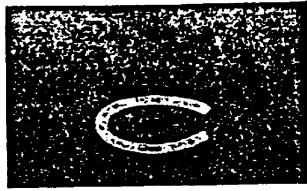


William R. Lund  
Project Manager

WRL/sp

cc: Raymond DeCesare  
Robert McNamara  
Stan Puddicombe ✓  
Field

ADP 000301



## MARSHALL CONTRACTORS, INC.

### JOB MEETING MINUTES

Job: Centerdale Manor  
North Providence, RI/Job No. 120

Date: March 25, 1982  
Meeting #2

#### Attended By:

Russell Ferland  
William Lund  
Michael Puddicombe  
Walter Kosinski  
Dave Carnevale

The Robinson Green Beretta Corp.  
Marshall Contractors, Inc.  
Marshall Contractors, Inc.  
Goldberg/Zoino & Associates  
C. Pezza & Sons

1. A review of the site was made to examine the problems with the existing soils and topography. It was indicated that on the southern side of the south parking lot, we would cut this area to sub-grade and examine the existing conditions. There was to be no work done with regard to the sludge pits.
2. North of that area progressing towards the northern part of the site, we were to remove and replace the sludge pits with what is called a "shot rock" to an elevation above the water table. At that point, we would examine that condition and prepare to install the remainder in gravel.
3. C. Pezza & Son was to provide a quotation to Marshall Contractors for an eight foot strip of class B stone at the river's edge in the area of the northwest retention basin. This is an attempt to prevent erosion of the bank due to the river's condition.
4. Goldberg/Zoino & Associates was to analyze the existing soil condition in that northwest retention basin for the potential of hydroseeding same to avoid installing the loam in what would be a very muddy and unstable area. If hydroseeding is a possibility, C. Pezza & Son would forward the appropriate credit

ADP 000302

MARSHALL CONTRACTORS, INC.

Centerdale Manor  
N. Providence, RI/Job 120  
Page 2

for the excavation of material to a subgrade prior to the installation of the loam.

5. We then examined two attempted test holes north of the north parking lot where we have discussed the possibility of relocating some of the parking from the south parking lot in an attempt to avoid the wet and unstable area. The pits were taken approximately forty feet off the southern end of the existing curb in line with the curbing of the existing parking lot. We were able to dig approximately one foot down where we encountered a concrete slab. Elevations were to be provided for the top of slab.
6. Russ Ferland was to review the findings of our site inspection and issue either the change proposal request or supplemental instructions as to how we were to proceed as it relates to the site work.

Distribution:

All attendees  
Jack Marshall  
Bob McNamara  
Stan Puddicombe  
Lon Jamison  
Expediting  
Field

ADP 000303

C. PEZZA & SON, INC.  
General Excavating Contractors  
90 Putnam Ave.  
JOHNSTON, RHODE ISLAND 02919

402 231-6014

TO MARSHALL CONTRACTORS INC.  
75 Newman Avenue  
Rumford, Rhode Island 02916

# CHANGE ORDER

Number 2

|                                       |                           |
|---------------------------------------|---------------------------|
| PHONE<br>438-3500                     | DATE<br>March 26, 1982    |
| JOB NAME/LOCATION<br>Centerdale Manor |                           |
| North Providence, Rhode Island        |                           |
| JOB NUMBER<br>120                     | JOB PHONE                 |
| EXISTING CONTRACT NO.                 | DATE OF EXISTING CONTRACT |

RI43-H023-121

We hereby agree to make the change(s) specified below:

Dump charge at Central Landfill -

2/26/82 17 loads

3/ 1/82 19 loads

3/24/82 21 loads

3/25/82 23 loads

80 loads

80 loads @ \$25.00 per load = \$2,000.00

+ 15% overhead and profit 300.00

TOTAL \*\*\*\*\* \$2,300.00

NOTE: This Change Order becomes part of and in conformance with the existing contract.

WE AGREE hereby to make the change(s) specified above at this price \$ 2,300.00

|                                                                  |                                                      |
|------------------------------------------------------------------|------------------------------------------------------|
| DATE<br>March 26, 1982                                           | PREVIOUS CONTRACT AMOUNT <del>XXXX</del> TO BE ADDED |
| AUTHORIZED SIGNATURE (CONTRACTOR)<br><i>Edward A. Pezza V.P.</i> | XX REUSE CONTRACT TOTAL XX TO CONTRACT               |

**ACCEPTED** — The above prices and specifications of this Change Order are satisfactory and are hereby accepted. All work to be performed under same terms and conditions as specified in original contract unless otherwise stipulated.

Date of acceptance \_\_\_\_\_

Signature \_\_\_\_\_ (OWNER)

ADP 000304

MEMORANDUM



SUBJECT: Centerdale Manor - Drum Removal  
FROM: Michael A. Powers  
TO: Marshall Contractors Corp. (William Lund)  
DATE: April 1, 1982

-1- The undersigned met with Messrs. John Leo and Alan Broad of RIDEM to review the results of chemical analyses performed on drum samples obtained from the subject site (chemical analyses attached). Based on that review, the Rhode Island Department of Environmental Management made the following findings:

-A- The following eight drums contain hazardous waste materials which must be sent to a secured, hazardous waste landfill: Nos. 64, 74, 59, 57, 56 and 55 and two unnumbered "smoking drums"

-B- The small volume of material in drum No. 12 must be neutralized with a caustic prior to disposal at a licensed landfill. (John Leo expressed a willingness to assist in this procedure).

-C- All remaining, previously sampled drums, may be sent to a licensed landfill.

-2- Recently unearthed drums should be stored in a separate section of the fenced-in area in rows of two. RIDEM personnel will attempt to make field identification of the contents of those drums based on physical and field test comparisons to the now laboratory identified materials. Therefore, no drum removal should take place until RIDEM has observed all drums unearthed to date. Given the recent public interest in chemical disposal practices, however, it is to everyone's benefit to expedite the removal of all drums in a conscientious manner as soon as possible.

MAP:mrh

cc: John Leo (RIDEM)  
G.Graf (Robinson Green Beretta Corp.)

DISTRIBUTION

P.M. WPL  
R.K. \_\_\_\_\_  
P.E. ✓  
Purch \_\_\_\_\_  
Field ✓  
File ✓ Orig.  
Other C. Pezza & Son



ADP 000305



# R.I. Analytical Laboratories, Inc.

SPECIALIZING IN ENVIRONMENTAL ANALYSIS

231 ELM STREET  
WARWICK, R. I. 02888

PHONE (401) 467-2452

## CERTIFICATE OF ANALYSIS

REPORT TO Goldberg Zoino & Assocs. DATE RECEIVED 3/4/82  
293 South Main Street DATE REPORTED 3/22/82  
Providence, RI 02903 PURCHASE ORDER NO. \_\_\_\_\_  
Attn: Mr. Mike Sherrill RIAL INV NO 6140  
SAMPLE DESCRIPTION Samples from Centerdale Manor, N. Prov., RI

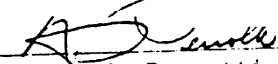
Per your request, subject samples have been analyzed by our laboratory with the following results:

| <u>SAMPLE</u>                | <u>PARAMETER</u>              | <u>RESULTS</u> |         |
|------------------------------|-------------------------------|----------------|---------|
| #12                          | pH                            | 1.1            |         |
|                              | Sulfate (as SO <sub>4</sub> ) | <50 mg/l       |         |
|                              | EP Toxicity; (no extraction)  |                |         |
|                              | Arsenic                       | <0.5 mg/l      |         |
|                              | Barium                        | <0.5 "         |         |
|                              | Cadmium                       | 0.23 "         |         |
|                              | T. Chromium                   | 0.39 "         |         |
|                              | Lead                          | 0.3 "          |         |
|                              | Mercury                       | <0.001 "       |         |
|                              | Silver                        | 0.21 "         |         |
|                              | Selenium                      | <0.5 "         |         |
|                              | #65                           | pH             | 9.9     |
|                              |                               | T. Cyanide     | <1 mg/l |
| EP Toxicity; (no extraction) |                               |                |         |
| Arsenic                      |                               | <0.5 mg/l      |         |
| Barium                       |                               | <0.5 "         |         |
| Cadmium                      |                               | <0.01 "        |         |
| T. Chromium                  |                               | <0.1 "         |         |
| Lead                         |                               | 1.2 "          |         |
| Mercury                      |                               | <0.001 "       |         |
| Silver                       |                               | <0.05 "        |         |
| *Selenium                    |                               | 0.7            |         |

ADP 000306

\*possible analytical interference

APPROVED BY

  
Anthony E. Perrotti

Certificate of Analysis  
 Goldberg Zoino & Assocs.  
 March 22, 1982  
 Page -2-

| <u>SAMPLE</u>              | <u>PARAMETER</u>                    | <u>RESULTS</u> |
|----------------------------|-------------------------------------|----------------|
| Composite<br>61,71,72 & 57 | Flash Point                         | >140°F         |
|                            | EP Toxicity;                        |                |
|                            | Arsenic                             | <0.5 mg/l      |
|                            | Barium                              | <0.5 "         |
|                            | Cadmium                             | <0.01 "        |
|                            | T. Chromium                         | <0.1 "         |
|                            | Lead                                | <0.1 "         |
|                            | Mercury                             | <0.001 "       |
|                            | Silver                              | <0.05 "        |
|                            | Selenium                            | <0.5 "         |
|                            | Volatile Organics;<br>All compounds | N.D.           |
| Composite<br>62A & 62B     | Flash Point                         | >140°F         |
|                            | Volatile Organics;<br>toluene       | 196 ppm        |
|                            | all other compounds                 | N.D.           |
| Composite<br>64,74,59 & 73 | Flash Point (sam.#64)               | 106°F          |
|                            | Flash Point (sam.#59)               | 128°F          |
|                            | Flash Point (sam.#73 &74)           | >140°F         |
|                            | EP Toxicity;                        |                |
|                            | Arsenic                             | <0.5 mg/l      |
|                            | Barium                              | <0.5 "         |
|                            | Cadmium                             | <0.01 "        |
|                            | T. Chromium                         | <0.1 "         |
|                            | Lead                                | 0.1 "          |
|                            | Mercury                             | <0.001 "       |
|                            | Silver                              | <0.05 "        |
|                            | Selenium                            | <0.5 "         |
|                            | Volatile Organics                   |                |
|                            | xylene                              | 13,600 ppm     |
|                            | ethyl benzene                       | 180 ppm        |
|                            | all other compounds                 | N.D.           |

continue to Page -3-

ADP 000307

Certificate of Analysis  
 Goldberg Zoino & Assocs.  
 March 22, 1982  
 Page -3-

| <u>SAMPLE</u>                          | <u>PARAMETER</u>       | <u>RESULTS</u> |
|----------------------------------------|------------------------|----------------|
| Composite<br>55 & 56                   | Flash Point (sam. #55) | 72°F           |
|                                        | Flash Point (sam. #56) | 82°F           |
|                                        | EP Toxicity;           |                |
|                                        | Arsenic                | <0.5 mg/l      |
|                                        | Barium                 | <0.5 "         |
|                                        | Cadmium                | <0.01 "        |
|                                        | T. Chromium            | <0.1 "         |
|                                        | Lead                   | 2.0 "          |
|                                        | Mercury                | <0.001 "       |
|                                        | Silver                 | <0.05 "        |
|                                        | Selenium               | <0.5 "         |
|                                        | Volatile Organics;     |                |
|                                        | toluene                | 5,500 ppm      |
|                                        | xylene                 | 47,000 ppm     |
| Composite<br>63,66,67,68               | ethyl benzene          | 7,100 ppm      |
|                                        | all other compounds    | N.D.           |
|                                        | Flash Point            | >140°F         |
|                                        | EP Toxicity;           |                |
|                                        | Arsenic                | <0.5 mg/l      |
|                                        | Barium                 | <0.5 "         |
|                                        | Cadmium                | 0.23 "         |
|                                        | T. Chromium            | <0.1 "         |
|                                        | Lead                   | <0.1 "         |
|                                        | Mercury                | <0.001 "       |
|                                        | Silver                 | <0.05 "        |
|                                        | Selenium               | <0.5 "         |
|                                        | Volatile Organics;     |                |
|                                        | xylene                 | 690 ppm        |
|                                        | ethyl benzene          | 1,100 ppm      |
| Composite<br>25,31,36,50<br>53,58 & 60 | all other compounds    | N.D.           |
|                                        | Flash Point            | >140°F         |
|                                        | EP Toxicity;           |                |
|                                        | Arsenic                | <0.5 mg/l      |
|                                        | Barium                 | <0.5 "         |
|                                        | Cadmium                | 0.13 "         |
|                                        | T. Chromium            | <0.1 "         |
|                                        | Lead                   | 2.1 "          |
|                                        | Mercury                | <0.001 "       |
|                                        | Silver                 | <0.05 "        |
|                                        | Selenium               | <0.5 "         |

ADP 000308

continue to Page -4-

Certificate of Analysis  
Goldberg Zoino & Assocs.  
March 22, 1982  
Page -4-

Note: A list of volatile organic compounds tested for and their detection limits is attached.

Metal analyses performed in accordance with "Characteristic of EP Toxicity", Federal Register, Vol. 45, No. 98, Monday, May 19, 1980, Rules and Regulations.

If you have any question regarding this work or if we may be of further assistance, please contact us.

ADP 000309

VOLATILE ORGANIC POLLUTANTS

COMPOUND

methylene chloride  
trichlorofluoromethane  
1,1-dichloroethylene  
1,1-dichloroethane  
trans-1,2-dichloroethylene  
chloroform  
1,2-dichloroethane  
1,1,1-trichloroethane  
carbon tetrachloride  
bromodichloromethane  
1,2-dichloropropane  
trans-1,3-dichloropropene  
trichloroethylene  
dibromochloromethane  
cis-1,3-dichloropropene  
1,1,2-trichloroethane  
benzene  
bromoform  
tetrachloroethylene  
1,1,2,2-tetrachloroethane  
toluene  
chlorobenzene  
ethylbenzene  
xylene

Detection limit: 100 ppm

**MARSHALL CONTRACTORS, INC.**  
DEVELOPMENT — CONSTRUCTION — FINANCE  
75 Newman Ave., Rumford, R.I. 02916  
(401) 438-3500

1st Class ☒  
UPS ☐  
ONDS ☐  
OTHER ☐

### TRANSMITTAL RECORD

Project Centredale Manor  
N. Prov., RI Job No. 120  
To: C. Pezza & Son  
90 Putnam Ave.  
Johnston, RI 02919

Date April 5, 1982  
☐ Manufacturers Drawings From:  
☐ Structural Drawings From:  
☐ Architectural Drawings

Attention: \_\_\_\_\_ For approval ☐  
Approved as submitted ☐  
Approved as noted ☐  
We are sending herewith ☒ For correction & resubmission ☐  
under separate cover ☐ Disapproved ☐  
For your information & use ☒  
For your price ☐

1 Copies of Memorandum from Michael Powers to Marshall Contr. dated  
April 1, 1982 regarding the removal of drums  
1 " " Certificate of Analysis (performed on samples) dated 3/22/82  
" " \_\_\_\_\_  
" " \_\_\_\_\_  
" " \_\_\_\_\_

REMARKS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

No. of copies received

By Bill Lund/nh  
Expeditor

Distribution:

Sub-Contractor: \_\_\_\_\_  
Job Use: \_\_\_\_\_  
Office Use: RC  
Other: \_\_\_\_\_

☐ Installation to start on: \_\_\_\_\_  
☐ Material req'd on jobsite by: ADP 000311

231-6014 - 231-6015 JOHNSTON, R. I.

DATE 4-20-82  
 M. MARSHALL CONT  
 Address: CENTERDALE

|            |              |                |
|------------|--------------|----------------|
| CUBIC YDS. |              |                |
|            | BAND         | Remove BARRELS |
|            | GRAVEL       | FROM COMPANY   |
|            | SUB-SOIL     | T-SIL WASTE    |
|            | LOAM         |                |
|            | FILL         |                |
|            | STONES       |                |
| HOURS      | 97H          |                |
| 5          | SHOVEL DOZER | 70- 350.00     |
|            | TRAILER      |                |
|            | BACK HOE     |                |
|            | TRUCKS       | 2 35 280.00    |
|            | LABOR        | 2 20 90.00     |
|            | SALES TAX    | 125.00         |
|            | TOTAL        | 845.00         |

REC'D BY [Signature]  
 Not Responsible For Any Damage No 6184

C. PEZZA & SON, Inc.  
 Sand, Gravel and Excavating  
 90 PUTNAM AVENUE JOHNSTON, R. I.  
 Telephones 231-6014 - 231-6015

DATE 4-5-82  
 M. MARSHALL CONT  
 Address: CENTERDALE

|            |              |                 |
|------------|--------------|-----------------|
| CUBIC YDS. |              |                 |
|            | BAND         | Move BARRELS To |
|            | GRAVEL       | Compound        |
|            | SUB-SOIL     | FOUND IN        |
|            | LOAM         | ROADWAY BELOW   |
|            | FILL         | GRADE           |
|            | STONES       |                 |
| HOURS      |              |                 |
|            | SHOVEL DOZER |                 |
|            | TRAILER      |                 |
| 3          | BACK HOE     | 255- 275.00     |
| 3          | TRUCKS       | 2 35 175.00     |
| 5          | LABOR        | 2 20 125.00     |
|            | SALES TAX    |                 |
|            | TOTAL        | 575.00          |

REC'D BY [Signature]  
 Not Responsible For Any Damage No 6176

C. PEZZA & SON, Inc.  
 Sand, Gravel and Excavating  
 90 PUTNAM AVENUE JOHNSTON, R. I.  
 Telephones 231-6014 - 231-6015

DATE 4-2-82  
 M. MARSHALL CONT  
 Address: CENTERDALE

|            |              |              |
|------------|--------------|--------------|
| CUBIC YDS. |              |              |
|            | BAND         | Move BARRELS |
|            | GRAVEL       | to Compound  |
|            | SUB-SOIL     | FOUND IN     |
|            | LOAM         | ROADWAY      |
|            | FILL         | BELOW GRADE  |
|            | STONES       |              |
| HOURS      |              |              |
|            | SHOVEL DOZER |              |
|            | TRAILER      |              |
|            | BACK HOE     | 2 55 440.00  |
|            | TRUCKS       | 2 35 280.00  |
|            | LABOR        | 2 20 125.00  |
|            | SALES TAX    |              |
|            | TOTAL        | 845.00       |

REC'D BY [Signature]  
 Not Responsible For Any Damage No 6177



C. PEZZA and SON, INC.  
90 Putnam Avenue  
JOHNSTON, RHODE ISLAND 02919

# CHANGE ORDER

Number #6

(401) 231-6014

TO Marshall Contractors, Inc.  
75 Newman Avenue  
Rumford, Rhode Island 02916

|                                       |                                        |
|---------------------------------------|----------------------------------------|
| PHONE<br>438-3500                     | DATE<br>April 23, 1982                 |
| JOB NAME/LOCATION<br>Centerdale Manor |                                        |
| North Providence, Rhode Island        |                                        |
| JOB NUMBER<br>120                     | JOB PHONE<br>-----                     |
| EXISTING CONTRACT NO.<br>120-5        | DATE OF EXISTING CONTRACT<br>2/17/1982 |

We hereby agree to make the change(s) specified below:

Rental work to handle barrells as detailed by attached  
field verification slips:::::::::

|       |           |            |
|-------|-----------|------------|
| #6177 | 4/02/1982 | \$920.00   |
| #6176 | 4/05/1982 | \$575.00   |
| #6184 | 4/20/1982 | \$845.00   |
|       |           | \$2,340.00 |

*well*

NOTE: This Change Order becomes part of and in conformance with the existing contract.

WE AGREE hereby to make the change(s) specified above at this price ↗

\$ 2,340.00

DATE

April 23, 1982

~~EXISTING CONTRACT AMOUNT~~ TO BE ADDED TO

AUTHORIZED SIGNATURE (CONTRACTOR)

~~XXX REVISED CONTRACT TOTAL XXX~~ CONTRACT

*Demetrius A. Pezza*  
**ACCEPTED** — The above prices and specifications of  
this Change Order are satisfactory and are hereby ac-  
cepted. All work to be performed under same terms and  
conditions as specified in original contract unless other-  
wise stipulated.

Date of acceptance \_\_\_\_\_

ADP 000314

Signature \_\_\_\_\_ (OK)

PEZZA and SON, INC.  
90 Putnam Avenue  
JOHNSTON, RHODE ISLAND 02919

(401) 231-6014

to Marshall Contractors, Inc.  
75 Newman Avenue  
Rumford, Rhode Island 02916

# CHANGE ORDER

Number #4

|                                       |                                        |
|---------------------------------------|----------------------------------------|
| PHONE<br>438-3500                     | DATE<br>April 23, 1982                 |
| JOB NAME/LOCATION<br>Centerdale Manor |                                        |
| North Providence, Rhode Island        |                                        |
| JOB NUMBER<br>120                     | JOB PHONE<br>-----                     |
| EXISTING CONTRACT NO.<br>120-5        | DATE OF EXISTING CONTRACT<br>2/17/1982 |

We hereby agree to make the change(s) specified below:

Dump charge at Central Landfill-- (see copies of slips attached)

|           |          |
|-----------|----------|
| 3/31/1982 | 1 load   |
| 4/01/1982 | 15 loads |
| 4/20/1982 | 6 loads  |

Total 22 loads @ \$25.00 per load = \$550.00  
+15% overhead and profit = 82.50  
TOTAL \$632.50

TOTAL ::::: \$633.00

*WR  
see Amendment #2*

NOTE: This Change Order becomes part of and in conformance with the existing contract.

WE AGREE hereby to make the change(s) specified above at this price ☐

\$ 633.00

DATE April 23, 1982

PREVIOUS CONTRACT AMOUNTS TO BE PAID  
UNDER AMENDMENT  
~~REVENUE CONTRACT TOTALS~~ NUMBER 2

AUTHORIZED SIGNATURE (CONTRACTOR)

ACCEPTED — The above prices and specifications of this Change Order are satisfactory and are hereby accepted. All work to be performed under same terms and conditions as specified in original contract unless otherwise stipulated.

Date of acceptance \_\_\_\_\_

Signature \_\_\_\_\_ (OWNER)

ADP 000315

4 20 82

0.00 \*

LDS

6.00 x

@

25.00 =

\$ 150.00 \*

FARM CENTER SALE



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**  
SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL 401-942-1430

DATE 4/29/82  
CUSTOMER C. Perry  
TYPE OF SALE ☒ LANDFILL ☐ SLUDGE ☐ OTHER ☐  
TRUCK TYPE Drop Box  
TRUCK NO. 016  
GROSS No. Hs  
TARE Job  
NET Elders  
DRIVER SIGNATURE [Signature]  
RECEIVED BY [Signature]  
CASH ☐ AMOUNT  
PREPAID ☐ AMOUNT  
CHARGE ☒ AMOUNT  
BILLING COMPUTATION  
POSTED  
A 58252  
LANDFILL RECEIPT FORM

ADP 000317



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION

# CENTRAL LANDFILL

SHUN PIKE

JOHNSTON, RHODE ISLAND 02919

TEL 401 942 1430

DATE 4/20/80

CUSTOMER

TYPE OF WASTE LANDFILL ☒ HAZARDOUS ☐ OTHER ☐

TRUCK TYPE

TRUCK NO.

GROSS

TARE

NET

DRIVER SIGNATURE

RECEIVED BY

CASH ☐ AMOUNT

PRE-PAID ☐ AMOUNT

CHARGE ☐ AMOUNT

BILLING COMPUTATION

POSTED

A 58307

COPY 2

LANDFILL RECEIPT FORM

LANDFILL FORM

ADP 000318



RHODE ISLAND  
WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**  
SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

CUSTOMER *C. Pappa*  
TYPE OF SALE: LANDFILL ☐ SALE ☒ OTHER ☐

TRUCK TYPE *Dump*  
TRUCK NO. *1000*

TARE \_\_\_\_\_  
NET \_\_\_\_\_

DRIVER SIGNATURE *AW*

RECEIVED BY \_\_\_\_\_

CASH ☐ AMOUNT \_\_\_\_\_

PRE-PAID ☐ AMOUNT \_\_\_\_\_

CHARGE ☒ AMOUNT \_\_\_\_\_

BILLING COMPUTATION \_\_\_\_\_

POSTED *A 58335*

LANDFILL RECEIPT FORM  
LANDFILL FORM 100

COPY 2

ADP 000319



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**  
SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL 401-942-1430

CUSTOMER *C. Fyffe*

DATE *4/20/82*  
TYPE OF SALE: LANDFILL ☒ SURGE ☐ OTHER ☐

TRUCK TYPE *Dump*

TRUCK NO. *1000*

GROSS

TARE

NET

DRIVER SIGNATURE *[Signature]*

RECEIVED BY *[Signature]*

CASH ☐ AMOUNT

PRE-PAID ☐ AMOUNT

CHARGE ☒ AMOUNT

BILLING COMPUTATION

POSTED

**A 58386**

LANDFILL RECEIPT FORM

DATAFOLD FORMS

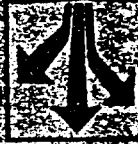
COPY 2



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**  
SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL 401-942-1430

*4/10/92*  
*O. Pappas*  
CUSTOMER \_\_\_\_\_  
TYPE OF SALE: LANDFILL ☐ SLUDGE ☐ OTHER ☐  
TRUCK TYPE \_\_\_\_\_  
TRUCK NO. \_\_\_\_\_  
GROSS \_\_\_\_\_  
TAX \_\_\_\_\_  
NET \_\_\_\_\_  
DRIVER SIGNATURE *[Signature]*  
RECEIVED BY *[Signature]*  
CASH ☐ AMOUNT \_\_\_\_\_  
PRE PAID ☐ AMOUNT \_\_\_\_\_  
CHARGE ☒ AMOUNT \_\_\_\_\_  
BILLING COMPUTATION \_\_\_\_\_  
POSTED  
**A 58426**  
LANDFILL RECEIPT FORM

COPY 2



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION

**CENTRAL LANDFILL**

SHUN PIKE

JOHNSTON, RHODE ISLAND 02919

TEL 401-942-1430

DATE

4/20/82

CUSTOMER

TYPE OF SALE LANDFILL ☒ AUCTION ☐ OTHER ☐

TRUCK TYPE

10 Wheel

TRUCK NO.

GROSS

No Rm

TARE

NET

DRIVER  
SIGNATURE

*[Signature]*

RECEIVED BY

CASH ☐ AMOUNT

PRE-PAID ☐ AMOUNT

CHARGE ☐ AMOUNT

BILLING COMPUTATION

POSTED

A 58456

LANDFILL RECEIPT FORM

COPY 2

4 1 82

0.00 \*

15.00 x

25.00 =

375.00 \*

ADP 000323



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**  
SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

CUSTOMER C. Perry DATE April 19 1982  
TYPE OF SALE: LANDFILL ☒ SLUDGE ☒ OTHER ☐  
TRUCK TYPE #18  
TRUCK NO. Deep  
GROSS 1000  
TARE 100  
NET 900  
DRIVER SIGNATURE DM  
RECEIVED BY: DM  
CASH ☐ AMOUNT: \_\_\_\_\_  
PRE-PAID ☐ AMOUNT: \_\_\_\_\_  
CHARGE ☒ AMOUNT: \_\_\_\_\_  
BILLING COMPUTATION \_\_\_\_\_  
POSTED \_\_\_\_\_  
**A 55036**  
LANDFILL RECEIPT FORM

DATAFOLD FORMS

COPY 2



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**

SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

DATE Apr 1 19 82  
CUSTOMER C. P. Ayja  
TYPE OF SALE: LANDFILL ☐ SLUDGE ☐ OTHER ☐  
TRUCK TYPE: #22  
TRUCK NO: DUP  
GROSS: 1000  
TARE: \_\_\_\_\_  
NET: \_\_\_\_\_  
DRIVER  
SIGNATURE: Dm  
RECEIVED BY: \_\_\_\_\_  
CASH ☐ AMOUNT: \_\_\_\_\_  
PRE-PAID ☐ AMOUNT: \_\_\_\_\_  
CHARGE ☒ AMOUNT: 1000  
BILLING COMPUTATION \_\_\_\_\_  
POSTED \_\_\_\_\_

**A 55037**  
LANDFILL RECEIPT FORM

DATAFOLD FORMS

COPY 2



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**

SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

DATE April 19 82  
CUSTOMER C. Pappas  
TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐  
TRUCK TYPE # 23  
TRUCK NO. 2111  
GROSS 1000  
TARE 1000  
NET 0  
DRIVER SIGNATURE [Signature]  
RECEIVED BY: [Signature]  
CASH ☐ AMOUNT: \_\_\_\_\_  
PRE-PAID ☐ AMOUNT: \_\_\_\_\_  
CHARGE ☒ AMOUNT: 1000  
BILLING COMPUTATION \_\_\_\_\_  
POSTED \_\_\_\_\_

**A 55039**  
LANDFILL RECEIPT FORM

DATAFOLD FORMS

COPY 2



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**

SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

CUSTOMER: C. Payza DATE: 4/1 19 92  
TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐  
TRUCK TYPE: 9  
TRUCK NO.: SHIP  
GROSS: 10000  
TARE:   
NET:   
DRIVER SIGNATURE: Dur  
RECEIVED BY:   
CASH ☐ AMOUNT:   
PRE-PAID ☐ AMOUNT:   
CHARGE ☒ AMOUNT:   
BILLING COMPUTATION:   
POSTED:

**A 55041**

LANDFILL RECEIPT FORM

DATAFOLD FORMS

COPY 2



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**  
SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

DATE 4/1/82  
CUSTOMER C. Ryan  
TYPE OF SALE: LANDFILL ☐ STREET ☐ OTHER ☐  
TRUCK TYPE 10 Wheeler Dump  
TRUCK NO. #  
GROSS: \_\_\_\_\_  
TARE: \_\_\_\_\_  
NET: \_\_\_\_\_  
DRIVER SIGNATURE: [Signature]  
RECEIVED BY: \_\_\_\_\_  
CASH ☐ AMOUNT: \_\_\_\_\_  
PRE-PAID ☐ AMOUNT: \_\_\_\_\_  
CHARGE ☒ AMOUNT: \_\_\_\_\_  
BILLING COMPUTATION \_\_\_\_\_  
POSTED \_\_\_\_\_

**A 55059**  
LANDFILL RECEIPT FORM

DATAFOLD FORMS

COPY 2



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**  
SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401 - 942-1430

DATE 11/1/82  
CUSTOMER C. Pappa  
TYPE OF SALE: LANDFILL ☐ SLUDGE ☐ OTHER ☐  
TRUCK TYPE: 10 wheel dump  
TRUCK NO: # 22  
GROSS: \_\_\_\_\_  
TARE: \_\_\_\_\_  
NET: \_\_\_\_\_  
DRIVER SIGNATURE: [Signature]  
RECEIVED BY: [Signature]  
CASH ☐ AMOUNT: \_\_\_\_\_  
PRE-PAID ☐ AMOUNT: \_\_\_\_\_  
CHARGE ☒ AMOUNT: [Signature]  
BILLING COMPOSITION: \_\_\_\_\_  
POSTED: \_\_\_\_\_

**A 55064**  
LANDFILL RECEIPT FORM

COPY 2

DATAFOLD FORMS

ADP 000329



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**  
SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401 - 942-1430

DATE 4/1/82  
CUSTOMER C. Bezza  
TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐  
TRUCK TYPE: 10 Wheel Dump  
TRUCK NO: #23  
GROSS: \_\_\_\_\_  
TARE: \_\_\_\_\_  
NET: \_\_\_\_\_  
DRIVER SIGNATURE: [Signature]  
RECEIVED BY: [Signature]  
CASH ☐ AMOUNT: \_\_\_\_\_  
PRE-PAID ☐ AMOUNT: \_\_\_\_\_  
CHARGE ☒ AMOUNT: \_\_\_\_\_  
BILLING COMPUTATION: \_\_\_\_\_  
POSTED: \_\_\_\_\_

**A 55066**  
LANDFILL RECEIPT FORM

COPY 2

DATAFOLD FORMS



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**  
SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

DATE 1 Apr 19 82

CUSTOMER Pozza

TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐

TRUCK TYPE: Dump

TRUCK NO. 18

GROSS: \_\_\_\_\_

TARE: \_\_\_\_\_

NET: \_\_\_\_\_

DRIVER  
SIGNATURE: \_\_\_\_\_

RECEIVED BY: B. B. B.

CASH ☐ AMOUNT: \_\_\_\_\_

PRE-PAID ☐ AMOUNT: \_\_\_\_\_

CHARGE ☒ AMOUNT: \_\_\_\_\_

BILLING COMPUTATION: \_\_\_\_\_

POSTED: \_\_\_\_\_

**A 55100**  
LANDFILL RECEIPT FORM

DATAFOLD FORMS

COPY 2



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**

SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

DATE 1 Apr 19 82

CUSTOMER Pezzer

TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐

TRUCK TYPE: Dump

TRUCK NO: 22

GROSS: \_\_\_\_\_

TARE: \_\_\_\_\_

NET: \_\_\_\_\_

DRIVER  
SIGNATURE: \_\_\_\_\_

RECEIVED BY: B. Sam

CASH ☐ AMOUNT: \_\_\_\_\_

PRE-PAID ☐ AMOUNT: \_\_\_\_\_

CHARGE ☒ AMOUNT: [Signature]

BILLING COMPUTATION: \_\_\_\_\_

POSTED: \_\_\_\_\_

**A 55101**  
LANDFILL RECEIPT FORM

COPY 2

DATAFOLD FORMS

ADP 000332



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**  
SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

DATE 1 Apr 19 82  
CUSTOMER Pezze  
TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐  
TRUCK TYPE Dump  
TRUCK NO. 23  
GROSS \_\_\_\_\_  
TARE \_\_\_\_\_  
NET \_\_\_\_\_  
DRIVER SIGNATURE \_\_\_\_\_  
RECEIVED BY: [Signature]  
CASH ☐ AMOUNT: \_\_\_\_\_  
PRE-PAID ☐ AMOUNT: \_\_\_\_\_  
CHARGE ☒ AMOUNT: \_\_\_\_\_  
BILLING COMPUTATION \_\_\_\_\_  
POSTED \_\_\_\_\_  
**A 55102**  
LANDFILL RECEIPT FORM

DATAFOLD FORMS

COPY 2



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**

SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

DATE 1 Apr 19 82

CUSTOMER Pizza

TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐

TRUCK TYPE: Dump

TRUCK NO: 24

GROSS: \_\_\_\_\_

TARE: \_\_\_\_\_

NET: \_\_\_\_\_

DRIVER  
SIGNATURE: \_\_\_\_\_

RECEIVED BY: B. M. Barron

CASH ☐ AMOUNT: \_\_\_\_\_

PRE-PAID ☐ AMOUNT: \_\_\_\_\_

CHARGE ☒ AMOUNT: \_\_\_\_\_

BILLING COMPUTATION \_\_\_\_\_

POSTED \_\_\_\_\_

**A 55121**  
LANDFILL RECEIPT FORM

DATAFOLD FORMS

COPY 2

ADP 000334



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**

SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401 - 942-1430

DATE 1 Apr 19 82

CUSTOMER Pezza

TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐

TRUCK TYPE: Dump

TRUCK NO: 18

GROSS: \_\_\_\_\_

TARE: \_\_\_\_\_

NET: \_\_\_\_\_

DRIVER  
SIGNATURE: \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_

CASH ☐ AMOUNT: \_\_\_\_\_

PRE-PAID ☐ AMOUNT: \_\_\_\_\_

CHARGE ☒ AMOUNT: \_\_\_\_\_

BILLING COMPUTATION \_\_\_\_\_

POSTED \_\_\_\_\_

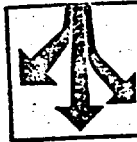
**A 55135**

LANDFILL RECEIPT FORM

DATAFOLD FORMS

COPY 2

ADP 000335



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION

# CENTRAL LANDFILL

SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

DATE 1 Apr 19 82  
CUSTOMER Pezza  
TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐  
TRUCK TYPE: Dump  
TRUCK NO: 22  
GROSS: \_\_\_\_\_  
TARE: \_\_\_\_\_  
NET: \_\_\_\_\_  
DRIVER SIGNATURE: \_\_\_\_\_  
RECEIVED BY: J. J. Banno  
CASH ☐ AMOUNT: \_\_\_\_\_  
PRE-PAID ☐ AMOUNT: \_\_\_\_\_  
CHARGE ☒ AMOUNT: 119.48  
BILLING COMPUTATION: 119.48  
POSTED: \_\_\_\_\_  
A 55139  
LANDFILL RECEIPT FORM

DATAFOLD FORMS

COPY 2

ADP 000336



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**  
SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401-942-1430

DATE 1 Apr 1982  
CUSTOMER P-222  
TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐  
TRUCK TYPE: Dump  
TRUCK NO. 23  
GROSS: \_\_\_\_\_  
TARE: \_\_\_\_\_  
NET: \_\_\_\_\_  
DRIVER SIGNATURE: \_\_\_\_\_  
RECEIVED BY: B. Davis  
CASH ☐ AMOUNT: \_\_\_\_\_  
PRE-PAID ☐ AMOUNT: \_\_\_\_\_  
CHARGE ☒ AMOUNT: \_\_\_\_\_  
BILLING COMPUTATION: \_\_\_\_\_  
POSTED: \_\_\_\_\_

**A 55148**  
LANDFILL RECEIPT FORM

DATAFOLD FORMS

COPY 2



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION  
**CENTRAL LANDFILL**

SHUN PIKE  
JOHNSTON, RHODE ISLAND 02919  
TEL. 401 - 942-1430

CUSTOMER C. Pappas

DATE APR 1 1982  
TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐

TRUCK TYPE #22

TRUCK NO. DRUP

GROSS WCA

TARE

NET

DRIVER  
SIGNATURE [Signature]

RECEIVED BY: [Signature]

CASH ☐ AMOUNT

PRE-PAID ☐ AMOUNT

CHARGE ☒ AMOUNT [Signature]

BILLING COMPUTATION [Signature]

POSTED

**A 55195**  
LANDFILL RECEIPT FORM

DATAFOLD FORMS

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FROM CENTRAID



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION

**CENTRAL LANDFILL**

SHUN PIKE

JOHNSTON, RHODE ISLAND 02919

TEL. 401-942-1400

DATE: 3/31/82

CUSTOMER: Pizza

TYPE OF SALE: LANDFILL ☒ SLUDGE ☐ OTHER ☐

TRUCK TYPE: Dump

TRUCK NO: 17

GROSS: \_\_\_\_\_

TARE: \_\_\_\_\_

NET: \_\_\_\_\_

DRIVER  
SIGNATURE: \_\_\_\_\_

RECEIVED BY: [Signature]

CASH ☐ AMOUNT: \_\_\_\_\_

PRE-PAID ☐ AMOUNT: \_\_\_\_\_

CHARGE ☐ AMOUNT: \_\_\_\_\_

BILLING COMPUTATION: Receipt

POSTED: \_\_\_\_\_

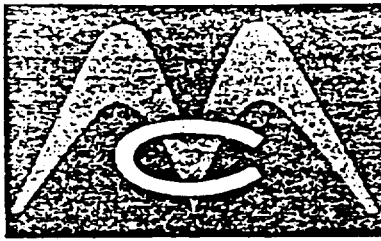
**A 54885**

LANDFILL RECEIPT FORM

COPY 2

DATAFOLD FORMS

ADP 000339



Roc  
J.A.

## MARSHALL CONTRACTORS, INC.

### JOB MEETING MINUTES

Job: Centerdale Manor  
N. Providence, RI  
Job No. 120

Date: April 23, 1982  
Meeting #3

|              |                    |                             |
|--------------|--------------------|-----------------------------|
| Attended by: | William Lund       | Marshall Contractors, Inc.  |
|              | Michael Puddicombe | Marshall Contractors, Inc.  |
|              | Dave Carnevale     | C. Pezza & Son              |
|              | Paul Tetreault     | Max Fish Plumbing & Heating |
|              | Ken Uttley         | Felix Weigand & Son, Inc.   |
|              | Bill McConnell     | Anastasi Brothers, Inc.     |
|              | Steve Fereli       | Anastasi Brothers, Inc.     |

1. With regard to the site work, Dave Carnevale questioned the additional cost to isolate barrels that are burried below grade which were uncovered in the south parking lot. Accurate time has been kept on same. William Lund is to discuss with Lon Jamison. Dave indicated that the personnel were to remain on the site and not be removed so that we may complete the building backfill, etc. William Lund indicated that the utilities are anticipated to start or should start on April 26, and be completed by May 7. This includes all the site water underground as well as the meter pit, etc. Dave was to contact Bragger to expedite. Mike was to contact Geisser to review the materials in the south parking lot for stability in order to expedite the gravel operation on same. William Lund was to advise whether or not the two extras, one for the 8' band of stone at the river edge, the other for the removal of the burried slab had been removed.
2. With regard to the mechanical, William Lund indicated that the openings for the precast plank must be returned to Marshall Contractors by Monday April 26, 1982 in order to avoid delays in delivery of the plank. William Lund indicated that it would be the responsibility of Max Fish if said delivery is delayed. Mike Puddicombe requested that the underground work begin next week. Paul Tetreault questioned the approvals for the tubs as they will be critical in delivery of installation on the floors. Paul

ADP 000340

Centerdale Manor  
Job No. 120  
April 23, 1982  
Page 2

was also to review the submittals for the boilers and fire pump.

3. With regard to the masonry, Bill McConnell indicated that they had figured a ten week duration for the masonry. William Lund indicated that we anticipate starting the masonry above finished floor on May 11, 1982. We reviewed a letter from The Robinson Green Beretta Corp. with regard to submittal and testing data. This was to be forwarded to Anastasi for their review and compliance. William Lund questioned the staging and indicated that it was Marshall Contractors understanding that the whole building was to be completely wrapped with staging for use by the other trades to commence one week prior to the brick work and last one month after the completion of the brick work. Bill McConnell was to review that with Larry Anastasi. We also discussed the lintels and questioned whether or not one side of the lintel should be fixed while the other side be free for movement. William Lund was to review with The Robinson Green Beretta Corp. Bill McConnell indicated that samples will be submitted by Consolidated and Pascale. He also requested that the vertical dowels to go into the masonry cells be 8' in length plus whatever laps are required. William Lund was to coordinate same.

JOHN →

Distribution:

All attendees  
John Nowell  
Jack Marshall  
Bob McNamara  
Stan Puddicombe  
Lon Jamison  
Expediting

# contract purchase order



MARSHALL CONTRACTORS, INC.  
75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

CONTRACT NO. 120

C.P.O. NO. 120 - 7

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING NOTICES, PACKAGES, CORRESPONDENCE, ETC.

Vendor #10020  
Cost Code #02055

DATE May 19, 1982

VENDOR

401-438-9092  
Jet-Line Services Inc.  
7 Dexter Rd.  
East Providence, RI 02914

JOB

Centerdale Manor  
North Providence, RI

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B. See Below

NET 30 DAYS: DISCOUNT 0 % - DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES As Required By the Construction Schedule

Furnish all necessary labor, material and/or equipment required and perform all services and work necessary to remove eight (8) drums classified as "HAZARDOUS MATERIAL" from the job site and to dispose of same in a manner satisfactory to all Federal, State and Local regulations and in conformance with all applicable codes and/or regulations of all entities having jurisdiction thereof.

LUMP SUM PRICE \$2,352.00

E.P.A. I.D. #RID 980524532

Insurance Requirements shall be in accordance with the Schedule of Insurance Requirements, a copy of which is attached hereto and hereby made a part hereof.

The amount of this order includes all applicable Sales and/or Use Taxes.

ADP 000342

MARSHALL CONTRACTORS, INC.

BY

L.W. Jamison

TITLE Vice President Purchasing

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

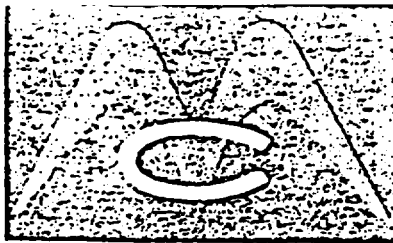
ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Jet-Line Services Inc.

BY

TITLE General Manager

DATE 5-19-82



# MARSHALL CONTRACTORS INC.

## EXHIBIT G

Job No. 120  
Centerdale Manor  
North Providence, Rhode Island  
(RI 43-HO23-121)

### Schedule of Insurance Requirements

Please have your Insurance Certificates prepared and forwarded as soon as possible. The Insurance Requirements are as follows:

#### WORKMEN'S COMPENSATION

Statutory

Section B, Employer's Liability

\$500,000

#### COMPREHENSIVE GENERAL LIABILITY

Bodily Injury Limit

\$1,000,000 Each Occurrence  
\$1,000,000 Aggregate

Property Damage Limit

\$500,000 Each Occurrence  
\$500,000 Aggregate

#### Including:

XCU where required  
Contractual Liability  
Completed Operations (Maintained for 2 years after final payment)  
Broad Form Property Damage  
Personal Injury  
Independent Contractors, where required

#### AUTOMOBILE LIABILITY (including all owned, non-owned and hired vehicles)

Bodily Injury Limit

\$500,000 Each Person  
\$1,000,000 Each Occurrence

Property Damage Limit

\$500,000 Each Occurrence

EXCESS OVERALL UMBRELLA LIABILITY: \$1,000,000

ADP 000343

CANCELLATION CLAUSE: 30 day notice of cancellation required

# Certificate of Insurance



THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LISTED BELOW

NAME AND ADDRESS OF AGENCY

J. BARRY DRISCOLL INSURANCE AGENCY,  
150 WOOD ROAD  
BRAINTREE, MASSACHUSETTS 02184

NAME AND ADDRESS OF INSURED

JET LINE SERVICES, INC.  
AND BLACK GOLD SERVICES, INC.  
R-441 CANTON STREET  
STOUGHTON, MASSACHUSETTS 02072



COMPANIES AFFORDING COVERAGES

- COMPANY LETTER **A** COMMERCIAL UNION INSURANCE COMPANY
- COMPANY LETTER **B** MISSION INSURANCE COMPANY
- COMPANY LETTER **C** INSURANCE COMPANY OF NORTH AMERICA
- COMPANY LETTER **D** CANADIAN UNIVERSAL INSURANCE COMPANY
- COMPANY LETTER **E** KEMPER INSURANCE GROUP

This is to certify that policies of insurance listed below have been issued to the insured named above and are in force at this time. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

| COMPANY LETTER | TYPE OF INSURANCE                                                 | POLICY NUMBER                     | POLICY EXPIRATION DATE | Limits of Liability in Thousands (000)     |                 |                 |
|----------------|-------------------------------------------------------------------|-----------------------------------|------------------------|--------------------------------------------|-----------------|-----------------|
|                |                                                                   |                                   |                        |                                            | EACH OCCURRENCE | AGGREGATE       |
| D              | <b>GENERAL LIABILITY</b>                                          | C5GL79539                         | 5/7/83                 | BODILY INJURY                              | \$ ----         | \$ ----         |
|                | <input checked="" type="checkbox"/> COMPREHENSIVE FORM            |                                   |                        | PROPERTY DAMAGE                            | \$ ----         | \$ ----         |
|                | <input checked="" type="checkbox"/> PREMISES—OPERATIONS           |                                   |                        | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ 500,         | \$ 500,         |
|                | <input checked="" type="checkbox"/> EXPLOSION AND COLLAPSE HAZARD |                                   |                        | PERSONAL INJURY                            |                 | \$ 500,         |
| C<br>E         | <b>AUTOMOBILE LIABILITY</b>                                       | (C) LMT012521 JET LINE-MA         | 1/1/83<br>5/7/83       | BODILY INJURY (EACH PERSON)                | \$ 500,         |                 |
|                | <input checked="" type="checkbox"/> COMPREHENSIVE FORM            | (E) F2L16501 JET LINE-NH. MAINE   |                        | BODILY INJURY (EACH ACCIDENT)              | \$ 500,         |                 |
|                | <input checked="" type="checkbox"/> OWNED                         | (C) LMT012521 BLACK GOLD-MA       |                        | PROPERTY DAMAGE                            | \$ 100,         |                 |
|                | <input checked="" type="checkbox"/> HIRED                         | (E) F2L16502 BLACK GOLD-NH. MAINE |                        | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ ---          |                 |
| B              | <b>EXCESS LIABILITY</b>                                           | MN009690                          | 5/7/83                 | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ 10,000       | \$ 10,000       |
|                | <input checked="" type="checkbox"/> UMBRELLA FORM                 |                                   |                        |                                            |                 |                 |
| A              | <b>WORKERS' COMPENSATION and EMPLOYERS' LIABILITY</b>             | CB9082-016                        | 4/27/83                | STATUTORY                                  | \$ 100,000      | (EACH ACCIDENT) |
|                | <b>OTHER</b>                                                      |                                   |                        |                                            |                 |                 |
| C              | <b>PROTECTION AND</b>                                             | HU201078                          | 3/20/83                | \$500,000. LIMIT PER ACCIDENT              |                 |                 |

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES

Cleanup of oil spills from land and water and other related operations.  
(All States) and also Hazardous Materials Handlings.

**Cancellation:** Should any of the above described policies be cancelled before the expiration date thereof, the issuing company will endeavor to mail \_\_\_\_\_ days written notice to the below named certificate holder. If no such notice shall impose no obligation or liability of any kind upon the company. ADP 000344

NAME AND ADDRESS OF CERTIFICATE HOLDER:

Marshall Contractors, Inc.  
75 Newman Avenue  
Rumford, RI 02916

Att: William Lund

DATE ISSUED: May 24, 1982

J. BARRY DRISCOLL INSURANCE AGENCY, INC.

AUTHORIZED REPRESENTATIVE

July 6, 1982

Jet-Line Services Inc.  
7 Dexter Street  
East Providence, RI 02914

Re: Centerdale Manor  
North Providence, RI - Job No. 120

Gentlemen:

Enclosed herewith is a critique prepared by our insurance agency, Rollins Burdick & Hunter of Massachusetts, Inc., indicating certain deficiencies in the Certificates of Insurance that you have provided to us on the above referenced project.

It is imperative that you see that your Certificates are revised immediately to conform to that required by the Schedule of Insurance Requirements made a part of the Subcontract Agreement.

We would appreciate receiving said revised Certificates within ten days from the date of this letter.

Very truly yours,

MARSHALL CONTRACTORS, INC.

L. W. Jamison  
Vice President - Purchasing

LWJ/db

Enc.

bcc: Bill Lund w/att.  
Mike Puddicombe w/att.  
Executed Sub file w/att.  
Reading file  
Tickler file for July 30th

ROLLINS BURDICK HUNTER OF MASSACHUSETTS, INC.  
99 HIGH STREET  
BOSTON, MASSACHUSETTS 02110

DATE 6/25/82

TO: MCKE

PROJECT: Centerville Manor #120

SUBCONTRACTOR: Jet Line Services, Inc. and Black Mt. Services, Inc.

Certificate received from captioned Subcontractor does not meet the job specifications for the following reason(s):

Bodily Injury Limit (other than Automobile) should be: \_\_\_\_\_  
Property Damage Limit (other than Automobile) should be: \_\_\_\_\_

Automobile Bodily Injury Limit should be: \_\_\_\_\_  
Automobile Property Damage Limit should be: \_\_\_\_\_

The following coverages have not been included on Certificate:

- \_\_\_\_\_ Workers' Compensation
- \_\_\_\_\_ Employer's Liability Limit should be \$ \_\_\_\_\_
- \_\_\_\_\_ Independent Contractors
- \_\_\_\_\_ Completed Operations
- \_\_\_\_\_ Contractual
- \_\_\_\_\_ Broad Form Property Damage
- \_\_\_\_\_ Personal Injury
- \_\_\_\_\_ XCU Coverage, if applicable
- \_\_\_\_\_ Automobile Liability
- \_\_\_\_\_ Non-Owned and Hired Automobile Liability
- ✓ \_\_\_\_\_ Cancellation Clause should be 30 days
- \_\_\_\_\_ Request Renewal Certificate

\_\_\_\_\_ expires \_\_\_\_\_  
\_\_\_\_\_ Umbrella - Liability Limit should be \$ \_\_\_\_\_

\_\_\_\_\_ Certificate Holder should read:  
\_\_\_\_\_  
\_\_\_\_\_

# Certificate of Insurance



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NAME AND ADDRESS OF AGENCY

J. BARRY DRISCOLL INSURANCE AGENCY,  
150 WOOD ROAD  
BRAINTREE, MASSACHUSETTS 02184

COMPANIES AFFORDING COVERAGES

- COMPANY LETTER **A** COMMERCIAL UNION INSURANCE COMPANY  
COMPANY LETTER **B** MISSION INSURANCE COMPANY  
COMPANY LETTER **C** INSURANCE COMPANY OF NORTH AMERICA  
COMPANY LETTER **D** CANADIAN UNIVERSAL INSURANCE COMPANY  
COMPANY LETTER **E** KEMPER INSURANCE GROUP

NAME AND ADDRESS OF INSURED

JET LINE SERVICES, INC.  
AND BLACK GOLD SERVICES, INC.  
R-441 CANTON STREET  
STOUGHTON, MASSACHUSETTS 02072

This is to certify that policies of insurance listed below have been issued to the insured named above and are in force at this time. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

| COMPANY LETTER | TYPE OF INSURANCE                                                                                      | POLICY NUMBER                                                                                                                                                                                | POLICY EXPIRATION DATE | Limits of Liability in Thousands (000)     |                 |                            |
|----------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------|-----------------|----------------------------|
|                |                                                                                                        |                                                                                                                                                                                              |                        |                                            | EACH OCCURRENCE | AGGREGATE                  |
| D              | <b>GENERAL LIABILITY</b>                                                                               | C5GL79539                                                                                                                                                                                    | 5/7/83                 | BODILY INJURY                              | \$ ----         | \$ ----                    |
|                | <input checked="" type="checkbox"/> COMPREHENSIVE FORM                                                 |                                                                                                                                                                                              |                        | PROPERTY DAMAGE                            | \$ ----         | \$ ----                    |
|                | <input checked="" type="checkbox"/> PREMISES—OPERATIONS                                                |                                                                                                                                                                                              |                        |                                            |                 |                            |
|                | <input checked="" type="checkbox"/> EXPLOSION AND COLLAPSE HAZARD                                      |                                                                                                                                                                                              |                        |                                            |                 |                            |
|                | <input checked="" type="checkbox"/> UNDERGROUND HAZARD                                                 |                                                                                                                                                                                              |                        |                                            |                 |                            |
| C              | <input checked="" type="checkbox"/> PRODUCTS/COMPLETED OPERATIONS HAZARD                               | (C) LMT012521 JET LINE-MA<br>(E) F2L16501 JET LINE-NH. MAINE<br>(C) LMT012521 BLACK GOLD-MA<br>(E) F2L16502 BLACK GOLD-NH. MAINE<br>(C) EXPIRATION DATE 1/1/83<br>(E) EXPIRATION DATE 5/7/83 | 5/7/83                 | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ 500,         | \$ 500,                    |
|                | <input checked="" type="checkbox"/> CONTRACTUAL INSURANCE                                              |                                                                                                                                                                                              |                        |                                            |                 |                            |
|                | <input checked="" type="checkbox"/> BROAD FORM PROPERTY DAMAGE                                         |                                                                                                                                                                                              |                        |                                            |                 |                            |
|                | <input checked="" type="checkbox"/> INDEPENDENT CONTRACTORS                                            |                                                                                                                                                                                              |                        |                                            |                 |                            |
|                | <input checked="" type="checkbox"/> PERSONAL INJURY                                                    |                                                                                                                                                                                              |                        |                                            |                 |                            |
| E              | <b>AUTOMOBILE LIABILITY</b>                                                                            | (C) LMT012521 JET LINE-MA<br>(E) F2L16501 JET LINE-NH. MAINE<br>(C) LMT012521 BLACK GOLD-MA<br>(E) F2L16502 BLACK GOLD-NH. MAINE<br>(C) EXPIRATION DATE 1/1/83<br>(E) EXPIRATION DATE 5/7/83 | 5/7/83                 | BODILY INJURY (EACH PERSON)                | \$ 500,         |                            |
|                | <input checked="" type="checkbox"/> COMPREHENSIVE FORM                                                 |                                                                                                                                                                                              |                        | BODILY INJURY (EACH ACCIDENT)              | \$ 500,         |                            |
|                | <input checked="" type="checkbox"/> OWNED                                                              |                                                                                                                                                                                              |                        | PROPERTY DAMAGE                            | \$ 100,         |                            |
|                | <input checked="" type="checkbox"/> HIRED                                                              |                                                                                                                                                                                              |                        | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ ---          |                            |
|                | <input checked="" type="checkbox"/> NON-OWNED                                                          |                                                                                                                                                                                              |                        |                                            |                 |                            |
| B              | <b>EXCESS LIABILITY</b>                                                                                | MN009690                                                                                                                                                                                     | 5/7/83                 | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ 10,000,      | \$ 10,000                  |
|                | <input checked="" type="checkbox"/> UMBRELLA FORM<br><input type="checkbox"/> OTHER THAN UMBRELLA FORM |                                                                                                                                                                                              |                        |                                            |                 |                            |
| A              | <b>WORKERS' COMPENSATION and EMPLOYERS' LIABILITY</b>                                                  | CB9082-016                                                                                                                                                                                   | 4/27/83                | STATUTORY                                  |                 | \$ 100,000 (EACH ACCIDENT) |
|                |                                                                                                        |                                                                                                                                                                                              |                        |                                            |                 |                            |
| C              | <b>OTHER</b>                                                                                           | HU201078                                                                                                                                                                                     | 3/20/83                | \$500,000. LIMIT PER ACCIDENT              |                 |                            |

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES

Cleanup of oil spills from land and water and other related operations (All States) and also Hazardous Materials Handlings.

**Cancellation:** Should any of the above described policies be cancelled before the expiration date thereof, the issuing company will endeavor to mail 30 days written notice to the below named certificate holder, but failure to mail such notice shall impose no obligation or liability of any kind upon the company.

NAME AND ADDRESS OF CERTIFICATE HOLDER:

Marshall Contractors, Inc.  
75 Newman Avenue  
Rumford, RI 02916

Att: William Lund

DATE ISSUED: July 13, 1982  
J. BARRY DRISCOLL INSURANCE AGENCY, INC.  
AUTHORIZED REPRESENTATIVE

ADP 000347

# Certificate of Insurance



THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER.  
THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LISTED BELOW.

**NAME AND ADDRESS OF AGENCY**

**J. BARRY DRISCOLL INSURANCE AGENCY, INC.**  
150 WOOD ROAD  
BRAINTREE, MASSACHUSETTS 02184

**COMPANIES AFFORDING COVERAGES**

COMPANY LETTER **A** **COMMERCIAL UNION INSURANCE COMPANY**

COMPANY LETTER **B** **MISSION INSURANCE COMPANY**

COMPANY LETTER **C** **INSURANCE COMPANY OF NORTH AMERICA**

COMPANY LETTER **D** **CANADIAN UNIVERSAL INSURANCE COMPANY**

COMPANY LETTER **E** **KEMPER INSURANCE GROUP**

**NAME AND ADDRESS OF INSURED**

**JET LINE SERVICES, INC.**  
**AND BLACK GOLD SERVICES, INC.**  
R-441 CANTON STREET  
STOUGHTON, MASSACHUSETTS 02072

This is to certify that policies of insurance listed below have been issued to the insured named above and are in force at this time. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

| COMPANY LETTER       | TYPE OF INSURANCE                                                                                      | POLICY NUMBER                                                                                                                                                                                                                          | POLICY EXPIRATION DATE | Limits of Liability in Thousands (000)     |                 |                            |
|----------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------|-----------------|----------------------------|
|                      |                                                                                                        |                                                                                                                                                                                                                                        |                        |                                            | EACH OCCURRENCE | AGGREGATE                  |
| <b>D</b>             | <b>GENERAL LIABILITY</b>                                                                               | <b>C5GL79539</b>                                                                                                                                                                                                                       | <b>5/7/83</b>          | BODILY INJURY                              | \$ ----         | \$ ----                    |
|                      | <input checked="" type="checkbox"/> COMPREHENSIVE FORM                                                 |                                                                                                                                                                                                                                        |                        | PROPERTY DAMAGE                            | \$ ----         | \$ ----                    |
|                      | <input checked="" type="checkbox"/> PREMISES—OPERATIONS                                                |                                                                                                                                                                                                                                        |                        |                                            |                 |                            |
|                      | <input checked="" type="checkbox"/> EXPLOSION AND COLLAPSE HAZARD                                      |                                                                                                                                                                                                                                        |                        |                                            |                 |                            |
|                      | <input checked="" type="checkbox"/> UNDERGROUND HAZARD                                                 |                                                                                                                                                                                                                                        |                        |                                            |                 |                            |
| <b>C</b><br><b>E</b> | <input checked="" type="checkbox"/> PRODUCTS/COMPLETED OPERATIONS HAZARD                               | <b>(C) LMT012521 JET LINE-MA</b><br><b>(E) F2L16501 JET LINE-NH. MAINE</b><br><b>(C) LMT012521 BLACK GOLD-MA</b><br><b>(E) F2L16502 BLACK GOLD-NH. MAINE</b><br><b>(C) EXPIRATION DATE 1/1/83</b><br><b>(E) EXPIRATION DATE 5/7/83</b> | <b>5/7/83</b>          | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ 500,         | \$ 500,                    |
|                      | <input checked="" type="checkbox"/> CONTRACTUAL INSURANCE                                              |                                                                                                                                                                                                                                        |                        |                                            |                 |                            |
|                      | <input checked="" type="checkbox"/> BROAD FORM PROPERTY DAMAGE                                         |                                                                                                                                                                                                                                        |                        |                                            |                 |                            |
|                      | <input checked="" type="checkbox"/> INDEPENDENT CONTRACTORS                                            |                                                                                                                                                                                                                                        |                        |                                            |                 |                            |
|                      | <input checked="" type="checkbox"/> PERSONAL INJURY                                                    |                                                                                                                                                                                                                                        |                        | PERSONAL INJURY                            | \$ 500,         | \$ 500,                    |
| <b>B</b>             | <b>AUTOMOBILE LIABILITY</b>                                                                            | <b>MN009690</b>                                                                                                                                                                                                                        | <b>5/7/83</b>          | BODILY INJURY (EACH PERSON)                | \$ 500,         |                            |
|                      | <input checked="" type="checkbox"/> COMPREHENSIVE FORM                                                 |                                                                                                                                                                                                                                        |                        | BODILY INJURY (EACH ACCIDENT)              | \$ 500,         |                            |
|                      | <input checked="" type="checkbox"/> OWNED                                                              |                                                                                                                                                                                                                                        |                        | PROPERTY DAMAGE                            | \$ 100,         |                            |
|                      | <input checked="" type="checkbox"/> HIRED                                                              |                                                                                                                                                                                                                                        |                        | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ ----         |                            |
|                      | <input checked="" type="checkbox"/> NON-OWNED                                                          |                                                                                                                                                                                                                                        |                        |                                            |                 |                            |
| <b>A</b>             | <b>EXCESS LIABILITY</b>                                                                                | <b>MN009690</b>                                                                                                                                                                                                                        | <b>5/7/83</b>          | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ 10,000,      | \$ 10,000                  |
|                      | <input checked="" type="checkbox"/> UMBRELLA FORM<br><input type="checkbox"/> OTHER THAN UMBRELLA FORM |                                                                                                                                                                                                                                        |                        |                                            |                 |                            |
| <b>A</b>             | <b>WORKERS' COMPENSATION and EMPLOYERS' LIABILITY</b>                                                  | <b>CB9082-016</b>                                                                                                                                                                                                                      | <b>4/27/83</b>         | STATUTORY                                  |                 | \$ 100,000 (EACH ACCIDENT) |
|                      | <b>OTHER</b>                                                                                           |                                                                                                                                                                                                                                        |                        |                                            |                 |                            |
| <b>C</b>             | <b>PROTECTION AND</b>                                                                                  | <b>HU201078</b>                                                                                                                                                                                                                        | <b>3/20/83</b>         | <b>\$500,000. LIMIT PER ACCIDENT</b>       |                 |                            |

**DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES**

**Cleanup of oil spills from land and water and other related operations.**  
**(All States) and also Hazardous Materials Handlings.**

**Cancellation:** Should any of the above described policies be cancelled before the expiration date then the issuing company will endeavor to mail 30 days written notice to the below named certificate holder, but failure to mail such notice shall impose no obligation or liability of any kind upon the company.

**NAME AND ADDRESS OF CERTIFICATE HOLDER:**

**Marshall Contractors, Inc.**  
75 Newman Avenue  
Rumford, RI 02916

**Att: William Lund**

DATE ISSUED: **July 13, 1982**

**J. BARRY DRISCOLL INSURANCE AGENCY, INC.**

*J. Barry Driscoll*  
AUTHORIZED REPRESENTATIVE

ADP 000348

# Certificate of Insurance



THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER.  
THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LISTED BELOW.

**NAME AND ADDRESS OF AGENCY**

**J. BARRY DRISCOLL INSURANCE AGENCY, INC.**  
150 WOOD ROAD  
BRAINTREE, MASSACHUSETTS 02184

**COMPANIES AFFORDING COVERAGES**

- |                |          |                                             |
|----------------|----------|---------------------------------------------|
| COMPANY LETTER | <b>A</b> | <b>COMMERCIAL UNION INSURANCE COMPANY</b>   |
| COMPANY LETTER | <b>B</b> | <b>MISSION INSURANCE COMPANY</b>            |
| COMPANY LETTER | <b>C</b> | <b>INSURANCE COMPANY OF NORTH AMERICA</b>   |
| COMPANY LETTER | <b>D</b> | <b>CANADIAN UNIVERSAL INSURANCE COMPANY</b> |
| COMPANY LETTER | <b>E</b> | <b>KEMPER INSURANCE GROUP</b>               |

**NAME AND ADDRESS OF INSURED**

**JET LINE SERVICES, INC.**  
**AND BLACK GOLD SERVICES, INC.**  
R-441 CANTON STREET  
STOUGHTON, MASSACHUSETTS 02072

This is to certify that policies of insurance listed below have been issued to the insured named above and are in force at this time. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

| COMPANY LETTER | TYPE OF INSURANCE                                                        | POLICY NUMBER                                                                                                                                                                                            | POLICY EXPIRATION DATE | Limits of Liability in Thousands (000)     |                 |                            |
|----------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------|-----------------|----------------------------|
|                |                                                                          |                                                                                                                                                                                                          |                        |                                            | EACH OCCURRENCE | AGGREGATE                  |
| <b>D</b>       | <b>GENERAL LIABILITY</b>                                                 | <b>CSGL79539</b>                                                                                                                                                                                         | <b>5/7/83</b>          | BODILY INJURY                              | \$ ———          | \$ ———                     |
|                | <input checked="" type="checkbox"/> COMPREHENSIVE FORM                   |                                                                                                                                                                                                          |                        | PROPERTY DAMAGE                            | \$ ———          | \$ ———                     |
|                | <input checked="" type="checkbox"/> PREMISES—OPERATIONS                  |                                                                                                                                                                                                          |                        |                                            |                 |                            |
|                | <input checked="" type="checkbox"/> EXPLOSION AND COLLAPSE HAZARD        |                                                                                                                                                                                                          |                        |                                            |                 |                            |
| <b>C</b>       | <input checked="" type="checkbox"/> UNDERGROUND HAZARD                   | <b>(C) LMT012521 JET LINE-MA<br/>(E) FZL16501 JET LINE-NH. MAINE<br/>(C) LMT012521 BLACK GOLD-MA<br/>(E) FZL16502 BLACK GOLD-NH. MAINE<br/>(C) EXPIRATION DATE 1/1/83<br/>(E) EXPIRATION DATE 5/7/83</b> | <b>5/7/83</b>          | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ 500,         | \$ 500,                    |
|                | <input checked="" type="checkbox"/> PRODUCTS/COMPLETED OPERATIONS HAZARD |                                                                                                                                                                                                          |                        |                                            |                 |                            |
|                | <input checked="" type="checkbox"/> CONTRACTUAL INSURANCE                |                                                                                                                                                                                                          |                        |                                            |                 |                            |
|                | <input checked="" type="checkbox"/> BROAD FORM PROPERTY DAMAGE           |                                                                                                                                                                                                          |                        |                                            |                 |                            |
| <b>E</b>       | <input checked="" type="checkbox"/> INDEPENDENT CONTRACTORS              |                                                                                                                                                                                                          |                        | PERSONAL INJURY                            | \$ 300,         | \$ 300,                    |
|                | <input checked="" type="checkbox"/> PERSONAL INJURY                      |                                                                                                                                                                                                          |                        |                                            |                 |                            |
|                | <b>AUTOMOBILE LIABILITY</b>                                              |                                                                                                                                                                                                          |                        | BODILY INJURY (EACH PERSON)                | \$ 500,         |                            |
|                | <input checked="" type="checkbox"/> COMPREHENSIVE FORM                   |                                                                                                                                                                                                          |                        | BODILY INJURY (EACH ACCIDENT)              | \$ 500,         |                            |
| <b>B</b>       | <input checked="" type="checkbox"/> OWNED                                | <b>MH009690</b>                                                                                                                                                                                          | <b>5/7/83</b>          | PROPERTY DAMAGE                            | \$ 100,         |                            |
|                | <input checked="" type="checkbox"/> HIRED                                |                                                                                                                                                                                                          |                        | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ ———          |                            |
|                | <input checked="" type="checkbox"/> NON-OWNED                            |                                                                                                                                                                                                          |                        |                                            |                 |                            |
|                | <b>EXCESS LIABILITY</b>                                                  |                                                                                                                                                                                                          |                        |                                            |                 |                            |
| <b>A</b>       | <input checked="" type="checkbox"/> UMBRELLA FORM                        | <b>CE9082-016</b>                                                                                                                                                                                        | <b>4/27/83</b>         | BODILY INJURY AND PROPERTY DAMAGE COMBINED | \$ 10,000,      | \$ 10,000,                 |
|                | <input type="checkbox"/> OTHER THAN UMBRELLA FORM                        |                                                                                                                                                                                                          |                        |                                            |                 |                            |
| <b>C</b>       | <b>WORKERS' COMPENSATION and EMPLOYERS' LIABILITY</b>                    | <b>HU201078</b>                                                                                                                                                                                          | <b>3/20/83</b>         | STATUTORY                                  |                 | \$ 100,000 (EACH ACCIDENT) |
|                | <b>OTHER</b>                                                             |                                                                                                                                                                                                          |                        |                                            |                 |                            |
| <b>C</b>       | <b>PROTECTION AND</b>                                                    | <b>HU201078</b>                                                                                                                                                                                          | <b>3/20/83</b>         | <b>\$500,000. LIMIT PER ACCIDENT</b>       |                 |                            |

**DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES**

**Cleanup of oil spills from land and water and other related operations. (All States) and also Hazardous Materials Handlings.**

**Cancellation:** Should any of the above described policies be cancelled before the expiration date thereof, the issuing company will endeavor to mail 30 days written notice to the below named certificate holder, but failure to mail such notice shall impose no obligation or liability of any kind upon the company.

**NAME AND ADDRESS OF CERTIFICATE HOLDER**

**Marshall Contractors, Inc.**  
75 Newman Avenue  
Rumford, RI 02916

**Att: William Land**

DATE ISSUED: **July 13, 1982**

**J. BARRY DRISCOLL INSURANCE AGENCY, INC.**

*J. Barry Driscoll*  
AUTHORIZED REPRESENTATIVE

ADP 000349



Wetlands

## MARSHALL CONTRACTORS INC.

May 24, 1982

Jet-Line Services Inc.  
7 Dexter Street  
East Providence, RI 02914

RE: Centerdale Manor  
North Providence, RI - Job No. 120

Gentlemen:

We enclose herewith the original and one (1) copy of Contract Purchase Order No. 120-7.

Please execute both copies in the space provided and initial every page of all Riders and Schedules attached thereto. Retain one copy for your files and records and return the original to us.

Should you have any questions in this matter, please address them to the writer as no modifications to the Contract Purchase Order will be allowed.

Very truly yours,

MARSHALL CONTRACTORS, INC.

L. W. Jamison  
Vice President - Purchasing

LWJ:kr

Enc.

bcc: Bill Lund w/att  
Field w/att  
Expediting w/att  
Accounting w/att  
File w/back up

ADP 000350

# LETTER OF TRANSMITTAL

TO MARSHALL CONTRACTORS  
75 NEWMAN AVE  
RUMFORD R.I.

|                         |                          |         |                |
|-------------------------|--------------------------|---------|----------------|
| DATE                    | <u>AUG 9/82</u>          | JOB NO. | <u>P3227.2</u> |
| ATTENTION               |                          |         |                |
| RE                      | <u>M.R. William Lund</u> |         |                |
| <u>CENTERDALE MANOR</u> |                          |         |                |
|                         |                          |         |                |
|                         |                          |         |                |
|                         |                          |         |                |

GENTLEMEN:

WE ARE SENDING YOU

☐ Shop drawings

☐ Copy of letter

☒ Attached ☐ Under separate cover via

☐ Prints

☐ Change order

☐ Plans

☐ Samples

☐ Specifications

the following items.

| COPIES | DATE     | NO. | DESCRIPTION                       |
|--------|----------|-----|-----------------------------------|
| 1      | 03/25/82 | -   | CONTRACT P.O. # 120-3             |
| 1      | 04/01/82 | -   | MEMORANDUM                        |
| 1      | 03/23/82 | -   | INVOICE FROM R.I. ANALYTICAL LAB. |
|        |          |     |                                   |
|        |          |     |                                   |
|        |          |     |                                   |
|        |          |     |                                   |
|        |          |     |                                   |
|        |          |     |                                   |
|        |          |     |                                   |

THESE ARE TRANSMITTED as checked below:

☐ For approval

☐ For your use

☐ As requested

☐ For review and comment

☐ FOR BIDS DUE

☐ Approved as submitted

☐ Approved as noted

☐ Returned for corrections

☐

☐ Resubmit \_\_\_\_\_ copies for approval

☐ Submit \_\_\_\_\_ copies for distribution

☐ Return \_\_\_\_\_ corrected prints

☐ PRINTS RETURNED AFTER LOAN TO US

311  
REMARKS I HOPE THIS INFORMATION CLEARS UP ALL MY KNOSE  
ENDS ON THIS PROJECT. ROSE INDICATED YOU WERE  
WITHHOLDING PAYMENT ON INVOICE 6140 FROM R.I. ANALYTICAL  
PENDING RECEIPT OF YOUR SIGNED INVOICE P.O. 120-3.  
THAT TESTING WAS NOT A PART OF THAT CONTRACT.  
THE TESTING WAS PERFORMED AT THE REQUEST OF THE  
THE R.I. DEM TO PERMIT REMOVAL OF DEMUS, PRIOR  
TO THE START OF CONSTRUCTION. I HAVE NO IDEA WHAT  
NEWTON DID WITH YOUR P.O. SO I HAVE ATTACHED A  
311 I MADE FOR PROV.

BY TO

SIGNED:

M.A. Power

ADP 000351



GOLDBERG·ZOINO & ASSOCIATES, INC.  
GEOTECHNICAL·GEOHYDROLOGICAL CONSULTANTS

DONALD T. GOLDBERG  
WILLIAM S. ZOINO  
JOSEPH D. GUERTIN  
JOHN E. AYRES  
JOHN P. SULLIVAN  
STEVEN J. TRETTEL  
JAMES H. REYNOLDS  
CONSULTANTS:  
WALTER E. JAWORSKI  
STANLEY M. BEMBEN

MICHAEL A. POWERS, P.E.  
DISTRICT MANAGER

October 22, 1982  
File P-3227.2

Mr. William Lund  
Marshall Contractors, Inc.  
75 Newman Avenue  
Rumford, R. I. 02916

RE: Geotechnical Construction Services  
Centerdale Manor  
Your Job No. 120

Dear Bill:

I recently received a phone call from Rose expressing some concern that GZA's billings on the construction service for the Centerdale Manor project had exceeded our upset amount of \$9200. As I explained to Rose, all invoices for services prior to March 12, 1982, were for services associated with the removal of drums and were not covered by our agreement of March 12, 1982. Therefore, GZA's total billing on the construction phase was for \$7285.20, or approximately 80% of our budget estimate.

From GZA's perspective, the project was technically interesting and was resolved with cost effective geotechnical solutions. The fact that GZA completed its construction services for significantly less than budget estimate just made the project all the more rewarding.

I am writing to be sure that our somewhat confused billing procedure did not leave you with the impression that GZA had exceeded its budget estimate. If your records do not agree with ours, or if you should have any questions, please call me at your earliest convenience.

Again, thank you for providing GZA with the opportunity to assist you on this project.

Very truly yours,

Michael A. Powers

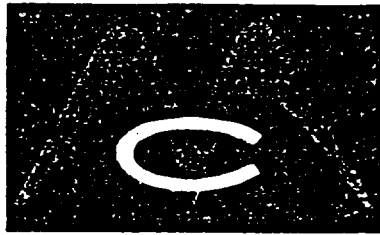
ADP 000352

MAP:mrB

255 SOUTH MAIN STREET  
PROVIDENCE, RI 02903  
401/421-4140

NEWTON UPPER FALLS, MA  
BUFFALO, NY  
CONNECTICUT RIVER VALLEY  
PROVIDENCE, RI

*CC Accounting*



MARSHALL CONTRACTORS INC.

April 8, 1982

Goldberg-Zoino & Associates, Inc.  
255 South Main Street  
Providence, RI

RE: Centerdale Manor  
North Providence, RI - Job No. 120

Gentlemen:

We enclose herewith the original and one (1) copy of Contract Purchase Order No. 120-3.

Please execute both copies in the space provided and initial every page of all Riders and Schedules attached thereto. Retain one copy for your files and records and return the original to us.

Should you have any questions in this matter, please address them to the writer as no modifications to the Contract Purchase Order will be allowed.

Very truly yours,

MARSHALL CONTRACTORS, INC.

James E. Conlon  
Purchasing Agent

JEC:kr

Enc.

bcc: Bill Lund w/att  
Superintendent w/att  
Expediting w/att  
File w/back up

*Entero*

ADP 000353

# contract purchase order



CONTRACT NO. 120  
C.P.O. NO. 120-3

MARSHALL CONTRACTORS, INC.  
75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING  
NOTICES, PACKAGES, CORRESPONDENCE, ETC.

Vendor No. 07055  
Cost Code No. 01410

DATE March 25, 1982

VENDOR

Goldberg-Zoino & Associates, Inc.  
255 South Main Street  
Providence, RI

JOB

Centerdale Manor  
North Providence, RI

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B. See Below

NET 30 DAYS: DISCOUNT -- % -- DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES As Requested By Contractor

Furnish all necessary labor, material and/or equipment required and perform all services and work necessary to complete TESTING AND INSPECTION SERVICES all to be as required and in strict accordance with the Agreement between Owner and Contractor and the Project Plans and Specifications as prepared by The Robinson Green Beretta Corp., Architect.

The scope of the work of this Contract Purchase Order includes and is based on the following:

1. Scope of Services:

The following provides a summary and an outline of the services to be provided by GZA.

a) Removal of Chemical Wastes:

GZA will oversee and assist in the removal of the remaining thirty or so chemical drums which are stored onsite. Included is time to assist DEM personnel in hatching of appropriate chemicals.

b) Earthwork Observation and Testing:

GZA personnel will observe, as required, the placement of fill within the building. Included is time to perform an appropriate number of field density tests.

Page 1 of 5

MARSHALL CONTRACTORS, INC.

BY

James E. Conlon  
TITLE Purchasing Agent

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

FORM 100-379

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Goldberg-Zoino & Assoc., Inc.  
Vendor

BY

TITLE

DATE

ADP 000354

# contract purchase order



MARSHALL CONTRACTORS, INC.

75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

CONTRACT NO. 120

C.P.O. NO. 120-3

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING NOTICES, PACKAGES, CORRESPONDENCE, ETC.

DATE March 25, 1982

VENDOR

Goldberg-Zoino & Associates, Inc.

JOB

Centerdale Manor

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B.

NET

DAYS: DISCOUNT

%

DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES

c) Maintaining of a Pile Load Test:

Field personnel will be provided to observe and log the driving of test piles and to monitor the performance of a pile load test. Included is the rental of a load cell and the preparation of a brief engineering report.

d) Observation of Pile Driving Operations:

GZA will provide personnel to observe and log the driving of production piles. Included is the preparation and testing of grout samples. The Thompson and Lichtner Company will test all grout samples and serve as consultants, on an as needed basis, in evaluating the performance of the grout. The reports of all work performed will be detailed in daily field reports.

2. Commitment Value:

|    | <u>Task Description</u>                                             | <u>Person Days</u> | <u>Cost</u> |
|----|---------------------------------------------------------------------|--------------------|-------------|
| 1. | Removal of chemical wastes                                          | 1                  | \$250.00    |
| 2. | Earthwork observation and testing-field tests billed at field rates | 2                  | \$500.00    |

Page 2 of 5

MARSHALL CONTRACTORS, INC.

BY

James E. Conlon

TITLE Purchasing Agent

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Goldberg-Zoino & Assoc., Inc.  
Vendor

BY

TITLE

DATE

# contract purchase order



CONTRACT NO. 120  
C.P.O. NO. 120-3

MARSHALL CONTRACTORS, INC.  
75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING NOTICES, PACKAGES, CORRESPONDENCE, ETC.

DATE March 25, 1982

VENDOR

Goldberg-Zoino & Associates, Inc.

JOB

Centerdale Manor

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B.

NET

DAYS: DISCOUNT

%

DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES

| <u>Task Description</u>                                           | <u>Person Days</u> | <u>Cost</u> |
|-------------------------------------------------------------------|--------------------|-------------|
| 3. Monitoring of pile load test                                   |                    |             |
| 1 day pile driving                                                | 1                  |             |
| 72 hour test                                                      | 9                  |             |
| Rental of load cell                                               | \$100.00           |             |
| Report preparation                                                | 1                  | \$2,750.00  |
| 4. Observation of pile driving                                    |                    |             |
| 15 days of pile driving with office supervisor                    |                    | \$4,500.00  |
| Testing of grout sample and consultation with Thompson & Lichtner |                    | \$1,200.00  |
| Commitment Value:                                                 |                    | \$9,200.00  |

A "person day" is defined to include an 8 hour day.

The Commitment Value is based on an understanding of the work to be completed. Billings will be based on the actual time and expenses accrued in accordance with the following Fee Schedule:

Page 3 of 5

MARSHALL CONTRACTORS, INC.

BY

James E. Conlon

TITLE Purchasing Agent

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Goldberg-Zoino & Assoc., Inc.  
Vendor

BY

TITLE

DATE

# contract purchase order



CONTRACT NO. 120  
C.P.O. NO. 120-3

MARSHALL COI  
75 Newman Avenue, Rl  
401 -

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING  
NOTICES, PACKAGES, CORRESPONDENCE, ETC.

DATE March 25, 1982

VENDOR

Goldberg-Zoino & Associates, Inc.

JOB

Centerdale Manor

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B.

NET

DAYS: DISCOUNT

%

DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES

- |                                                                                        |                                                             |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------|
| a) Principal                                                                           | \$75.00 per hour                                            |
| b) Associate                                                                           | \$65.00 per hour                                            |
| c) Senior Engineer or Geologist                                                        | \$55.00 per hour                                            |
| d) Drafting                                                                            | \$35.00 per hour                                            |
| e) Staff                                                                               | At Salary costs<br>(including fringe<br>benefits) times 2.4 |
| f) Out of pocket expenses                                                              | Actual cost + 15%                                           |
| g) Outside Services                                                                    | Invoice Cost + 15%                                          |
| h) Laboratory Soil Tests                                                               | Price Schedule avail-<br>able on request                    |
| i) Expert Testimony and Special<br>Consulting Services of<br>Principals and Associates | \$100.00 per hour                                           |

The above rates for Principals, Associates and Staff will be charged for time as follows:

- (i) The time required for traveling from Newton, MA, or branch office to jobsite and return;
- (ii) The time required for working on the job; the minimum charge for a day at the jobsite is 8 hours; and
- (iii) The time required for traveling between motel and job-site in excess of one-half hour each way.

Page 4 of 5

MARSHALL CONTRACTORS, INC.

BY

James E. Conlon  
TITLE Purchasing Agent

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Goldberg-Zoino & Assoc., Inc.  
Vendor

BY

TITLE

DATE

ADP 000357

# contract purchase order



MARSHALL CONTRACTORS, INC.

75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

CONTRACT NO. 120  
C.P.O. NO. 120-3

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING  
NOTICES, PACKAGES, CORRESPONDENCE, ETC.

DATE March 25, 1982

VENDOR 401/421-4140

Goldberg-Zoino & Associates, Inc.  
255 South Main Street  
Providence, RI

JOB

Centerdale Manor  
North Providence, RI

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B.

NET DAYS: DISCOUNT % DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES

The Commitment Value will not be exceeded unless authorized by Contractor by issuance of a written amendment to this Contract Purchase Order.

3. GZA will deliver to Contractor evidence of its Professional Liability Insurance in amounts normally provided for the services described herein and in the form of certificates with the Contractor listed as the named insured.
4. All prices set forth herein include all applicable Sales and/or Use Taxes.

Page 5 of 5

MARSHALL CONTRACTORS, INC.

BY

James E. Conlon  
TITLE Purchasing Agent

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Goldberg-Zoino & Assoc., Inc.

Vendor

BY

TITLE

DATE

ADP 000358

# contract purchase order

CBSI - MARSHALL  
Joint Venture  
75 Newman Avenue  
Rumford, R.I. 02916  
(401) 438-3500

CONTRACT NO.

120

C.P.O. NO.

120 - 3

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES. SHIPPING  
NOTICES. PACKAGES. CORRESPONDENCE. ETC.

DATE

MARCH 25 1982

VENDOR

401-421-4140

GOLDBERG-ZOINO & ASSOCIATES INC  
255 SO. MAIN ST  
PROVIDENCE RI

JOB

CENTERDALE MANOR

NORTH PROVIDENCE RI

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B.

See Below

NET 30 DAYS: DISCOUNT - % - DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES

As Requested by CONTRACTOR

Furnish all necessary labor material and equipment  
required and perform all services and work necessary  
to complete TESTING AND INSPECTION SERVICES.  
all to be as required and in strict accordance with the  
the Agreement between said Contractor and the  
Project Plans and Specifications as prepared by the  
Robertson Group. Greater Long Point, etc.

CBSI - MARSHALL Joint Venture

BY

JEC

TITLE

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

ACCEPTED, Subject to all terms and conditions hereof, including  
the general conditions on the reverse side hereof.

FIRM

Vendor

BY

TITLE

DATE

ADP 000359

## Schedule of Work

The scope of the work of this Contract Purchase Order includes and is listed on the following:

### 1) Scope of Services:

The following provides a summary and an outline of the services to be provided by G2A.

#### a) Removal of Chemical Wastes:

G2A will provide and assist in the removal of the remaining sludge and chemical drums which are stored on-site. Included is time to assist SEM personnel in batching of appropriate chemicals.

#### b) Earthwork Observation and Testing:

G2A personnel will observe, as required, the placement of fill within the building. Included is time to perform an appropriate number of field density tests.

#### c) Monitoring of a Pile Load Test:

Field personnel will be provided to observe and log the driving of test piles and to monitor the performance of a pile load test. Included is the rental of a load cell and the preparation of a final engineering report.

#### d) Observation of Pile Driving Operations:

G2A will provide personnel to observe and log the driving of production piles. Included is the preparation and testing of grant samples. The photographs

The "person-day" is defined to include an 8 hour day.

The Commitment Value is based on our understanding of the work to be completed. Billings will be based on the actual time and expenses incurred in accordance with the following Fee Schedule:

|                                                                                  |                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
| a) Principal                                                                     | \$75 <sup>00</sup> per hour                            |
| A Associate                                                                      | \$45 <sup>00</sup> per hour                            |
| c) Senior Engineer or Geologist                                                  | \$55 <sup>00</sup> per hour                            |
| d) Drafting                                                                      | \$35 <sup>00</sup> per hour                            |
| e) Staff                                                                         | AT SALARY RATES INCLUDING<br>FRINGE BENEFITS TIMES 2.4 |
| f) Cost of pocket expenses                                                       | ACTUAL COST + 15%                                      |
| g) Outside Services                                                              | INVOICE COST + 15%                                     |
| h) Laboratory Soil Tests                                                         | PRICE SCHEDULE AVAILABLE<br>ON REQUEST                 |
| i) Expert Testimony and Special Consulting Services of Principals and Associates | \$100 <sup>00</sup> per hour                           |

The above rates for Principals, Associates, and Staff will be charged for time as follows:

- (i) The time required for traveling from Newton, Mass., to branch office to job site and return;
- (ii) The time required for working on the job; the minimum charge for a day at the job site is 8 hours; and
- (iii) The time required for traveling between motel and job site in excess of one-half hour each way.

The Commitment Volume will not be expended unless authorized by Contractor by issuance of a written commitment to this Contract Purchase Order.

3) G2A will deliver to Contractor proceeds of its Professional Liability Insurance in amounts normally provided for the services described herein and in the form of certificates with the Contractor listed as the named insured.

4) all prices set forth herein include all applicable Sales and/or use taxes.

and Lichtner Company will test all  
grout samples and make no small tests,  
on an as needed basis in evaluating  
the performance of the grout. The results  
of all work performed will be detailed  
in daily field reports.

## 2) Commitment Value:

| <u>Task Description</u>                                                          | <u>Duration Days</u> | <u>Cost</u>       |
|----------------------------------------------------------------------------------|----------------------|-------------------|
| 1) Removal of chemical<br>wastes                                                 | 1                    | \$ 250.00         |
| 2) Spent work observation<br>and testing - field tests<br>filled pit field notes | 2                    | \$ 500.00         |
| 3) Monitoring of pile load<br>test                                               |                      |                   |
| 1 DAY pile shoring                                                               | 1                    |                   |
| 72 hour test                                                                     | 9                    |                   |
| Rental of load cell                                                              | \$ 100.00            |                   |
| Report preparation                                                               | 1                    | \$ 2750.00        |
| 4) Observation of pile<br>shoring                                                |                      |                   |
| 15 days of pile shoring<br>with office supervision                               |                      | \$ 4500.00        |
| Testing of grout samples<br>and observations with<br>Thompson & Lichtner         |                      | \$ 1200.00        |
| <u>Commitment Value</u>                                                          |                      | <u>\$ 9200.00</u> |



GOLDBERG · ZOINO & ASSOCIATES, INC.  
GEOTECHNICAL · GEOHYDROLOGICAL CONSULTANTS

Post Code 01410  
Vulcan 07055

120

# 3

DONALD T. GOLDBERG  
WILLIAM S. ZOINO  
JOSEPH D. GUERTIN  
JOHN E. AYRES  
JOHN P. SULLIVAN  
STEVEN J. TRETTEL  
JAMES H. REYNOLDS  
CONSULTANTS:  
WALTER E. JAWORSKI  
STANLEY M. BEMBEN

MICHAEL A. POWERS, P.E.  
DISTRICT MANAGER

March 12, 1982  
File No. RFP-82-P-143-C, PC, B

Marshall Contractors, Inc.  
75 Newman Avenue  
East Providence, Rhode Island

Re: Field Services  
Centerdale Manor

Gentlemen:

We are pleased to have the opportunity to assist you in the construction phase of the Centerdale Manor project. This proposal was prepared at the request of Mr. William Lund.

#### SCOPE OF SERVICES

The following provides a summary and an outline of the services to be provided by GZA.

##### 1. Removal of Chemical Wastes

GZA will oversee and assist in the removal of the remaining thirty or so chemical drums which are stored on-site. Included in this task is time to assist DEM personnel in batching of appropriate chemicals.

##### 2. Earthwork Observation and Testing

GZA personnel will observe, as required, the placement of fill within the building. Included in this task is time to perform an appropriate number of field density tests.

ADP 000364

3. Monitoring of a Pile Load Test

Field personnel will be provided to observe and log the driving of test piles and to monitor the performance of a pile load test. Included in this task is the rental of a load cell and the preparation of a brief engineering report. X

4. Observation of Pile Driving Operations

GZA will provide personnel to observe and log the driving of production piles. Included in this task is the preparation and testing of grout samples. The Thompson & Lichtner Company will test all grout samples and serve as consultants, on an as needs basis, in evaluating the performance of the grout. The results of all work performed will be detailed in daily field reports. F

BUDGET ESTIMATE

As indicated on the attached Table 1, GZA had estimated that the total cost of the above described services is about \$9,200. This estimate is based on GZA's understanding of the work to be completed, and was developed, in part, based on conversations with the pile driving contractor. Note, however, that GZA's field time will be controlled by progress on-site, over which GZA has no control. f

METHOD OF BILLING

Billings will be based on the actual time and expenses accrued working on the project in accordance with the Standard Schedule of Fees and Conditions. We will, however, track progress on-site and will not exceed our budget estimate of \$9,200 without first consulting with you. y

METHOD OF ACCEPTANCE

This proposal, together with the attached Standard Schedule of Fees and Conditions may be accepted by signing in the appropriate spaces below and returning one copy to this office. y



Thank you for the opportunity to submit this proposal. Should you have any questions, please do not hesitate to contact me. X

Very truly yours,



Michael A. Powers  
Associate

MAP/dmm

Enclosure: Standard Schedule of Fees and Conditions

This proposal and Standard Schedule of Fees and Conditions are hereby accepted by Marshall Contractors, Inc. as evidenced by execution hereof, and such a person so executing the same on behalf of Marshall Contractors, Inc. does hereby warrant full authority to act for, in the name, and on behalf of Marshall Contractors, Inc. X

Name \_\_\_\_\_ Title \_\_\_\_\_  
for Marshall Contractors, Inc.

Date \_\_\_\_\_



TABLE 1

BUDGET ESTIMATE

FIELD SERVICES - CENTERDALE MANOR

| <u>TASK DESCRIPTION</u>                                                  | <u>PERSON-DAYS*</u> | <u>COST</u> |
|--------------------------------------------------------------------------|---------------------|-------------|
| 1. Removal of chemical wastes                                            | 1                   | \$ 250 x    |
| 2. Earthwork observation and testing - field tests billed at field rates | 2                   | \$ 500 T    |
| 3. Monitoring of pile load test                                          |                     |             |
| 1 Day pile driving                                                       | 1                   |             |
| 72 hour test                                                             | 9                   |             |
| Rental of load cell                                                      | \$100.00            |             |
| Report preparation                                                       | 1                   | \$ 2,750 f  |
| 4. Observation of pile driving                                           |                     |             |
| 15 days of pile driving with office supervision                          |                     | \$ 4,500 f  |
| Testing of ground sample and consultation with Thompson & Lichtner       |                     | \$ 1,200 c  |
| TOTAL                                                                    |                     | \$ 9,200 c  |
| *8-hour days                                                             |                     |             |



## STANDARD SCHEDULE OF FEES AND CONDITIONS

### ATTACHMENT FOR PROPOSAL DATED March 12, 1982

Goldberg-Zoino & Associates, Inc. (Company) proposes to perform for Client the services described in the preceding section under the heading Scope of Services at a charge pursuant to the Schedule of Fees attached hereto and under the conditions and circumstances as are set forth herein as follows:

**1. Right of Entry:** Client hereby grants to Company or represents and warrants (if the project location is not owned by Client) that permission has been duly granted for a Right of Entry from time to time, by Company, its agents, staff, consultants, and any Contractors or Subcontractors, upon the project location for the purpose of performing and with the right to perform all acts, studies, and research, including (without limitation) the making of test borings and other soil samplings, pursuant to the Scope of Services.

Client hereby recognizes that the use of exploration equipment may unavoidably alter the terrain and affect vegetation in the area being studied. Client accepts the fact that this is inherent to Company's work and will not hold Company liable for such reasonable damage.

**2. Public Liability:** Company represents and warrants that it and its agents, staff, and consultants employed by it, is and are protected by Workmen's Compensation insurance; and that Company has such coverage under Public Liability and Property Damage insurance policies which Company deems to be adequate. Certificates for all such policies of insurance shall be provided to Client upon request in writing. Within the limits and conditions of such insurance, Company agrees to indemnify and save Client harmless against any loss, damage, or liability arising from any negligent acts by Company, its agents, staff, and consultants employed by it. Company shall not be responsible for any loss, damage, or liability arising from any loss, including but not limited to fire and explosion, beyond the amounts, limits, and conditions of such insurance or excluded under the coverage of such insurance.

**3. Basis of Charges (except where stated otherwise in proposal):**

|                                                                                     |                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------|
| a. Principal                                                                        | \$75 per hour                                         |
| b. Associate                                                                        | \$65 per hour                                         |
| c. Senior Engineer or Geologist                                                     | \$55 per hour                                         |
| d. Drafting                                                                         | \$35 per hour                                         |
| e. Staff                                                                            | At Salary Costs (Including Fringe Benefits) times 2.4 |
| f. Out of Pocket Expenses                                                           | Actual Cost plus 15%                                  |
| g. Outside Services                                                                 | Invoice Cost plus 15%                                 |
| h. Laboratory Soil Tests                                                            | Price Schedule available on request                   |
| i. Expert Testimony and Special Consulting<br>Services of Principals and Associates | \$100 per hour                                        |

The above rates for Principals, Associates, and Staff will be charged for time spent as follows:

- (i) The time required for traveling from Newton, Massachusetts, or branch office to job site and return.
- (ii) The time required for working on the job. The minimum charge for a day at the job site is eight (8) hours.
- (iii) The time required for traveling between motel and job site in excess of one-half hour each way.

In the event that a permanent employee of the Company is assigned to the job site continuously for a period in excess of three (3) months, travel expenses for dependents as defined by the Internal Revenue Service, expenses for moving household goods with the exception of major items such as furniture, and education costs for dependent children shall be charged to Client as out of pocket expenses. Such charges shall apply to expenses incurred in both directions.

**4. Billings/Payment:** Invoices for Company's services shall be submitted at Company's option, either upon completion of such services or on a monthly basis, mailed to Client at the address of Client indicated above. All such invoices shall be payable within thirty (30) days after the date thereof and shall, in the event that payment is not duly made, bear interest at the rate of two percent (2%) a month from date of original billing or the highest interest rate permitted by law, whichever is less. It is further understood that if there be failure by Client to pay any invoice due to Company within thirty (30) days after the date thereof, Company may, without waiving any other claim or right against Client, and without liability whatsoever to Client, terminate its performance hereunder. In the event that Company places any invoice which is unpaid after the due date in the hands of an agency or an attorney for collection, Client shall pay all costs and expenses of such collection, including reasonable attorney's fees and court costs, if any.



GOLOBERG-ZOINO & ASSOCIATES, INC.  
GEOTECHNICAL - GEOHYDROLOGICAL CONSULTANTS

ADP 000368

# AMENDMENT

*Puck*

Ocean State Disposal Inc.  
Shun Pike, Pole # 15  
Johnston, R.I. 02919

MARSHALL CONTRACTORS, INC.  
75 Newman Avenue  
Rumford, R.I. 02916  
(401) 438-3500

Project Centerdale Manor  
No. Prov. R.I.

Amendment No. 3  
Arch/Owner Change Order No. \_\_\_\_\_  
Subcontract/CPO No. 120-10  
Vendor No. 15020  
Cost Code No. 01705/43

We hereby authorize the following changes to the Scope of the Work of your Subcontract and/or Contract Purchase Order on the above captioned project. All other terms and conditions of your Contract remain unchanged.

## DESCRIPTION OF CHANGE

For final billing dated March 25, 1983.

ADD \$ 798.50

Previous Contract Amount \$ 3,918.14  
Add for this Amendment 798.50  
Deduct for this Amendment \_\_\_\_\_

Revised Contract Amount \$ 4,716.64

Please indicate acceptance of this change by signing one copy in the space provided below and return it to this office promptly.

## AGREED & ACCEPTED BY:

MARSHALL CONTRACTORS, INC.  
Contractor

By: 

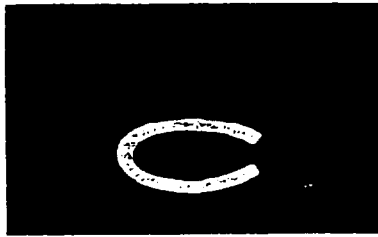
Title L.W. Jamison, V.P. Administration

OCEAN STATE DISPOSAL, INC.  
Subcontractor/Vendor

By: \_\_\_\_\_

Title \_\_\_\_\_

ADP 000370



MARSHALL CONTRACTORS INC.

May 24, 1982

Jet-Line Services Inc.  
7 Dexter Street  
East Providence, RI 02914

RE: Centerdale Manor  
North Providence, RI - Job No. 120

Gentlemen:

We enclose herewith the original and one (1) copy of Contract Purchase Order No. 120-7.

Please execute both copies in the space provided and initial every page of all Riders and Schedules attached thereto. Retain one copy for your files and records and return the original to us.

Should you have any questions in this matter, please address them to the writer as no modifications to the Contract Purchase Order will be allowed.

Very truly yours,

MARSHALL CONTRACTORS, INC.

L. W. Jamison  
Vice President - Purchasing

LWJ:kr

Enc.

bcc: Bill Lund w/att  
Field w/att  
Expediting w/att  
Accounting w/att  
File w/back up

*Entered*

ADP 000371

# contract purchase order



MARSHALL CONTRACTORS, INC.

75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

CONTRACT NO. 120

C.P.O. NO. 120 - 7

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING NOTICES, PACKAGES, CORRESPONDENCE, ETC.

Vendor #10020

Cost Code #02055

DATE May 19, 1982

VENDOR

401-438-9092

Jet-Line Services Inc.

7 Dexter Rd.

East Providence, RI 02914

JOB

Centerdale Manor

North Providence, RI

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B. See Below

NET 30 DAYS: DISCOUNT - % - DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES As Required By the Construction Schedule

Furnish all necessary labor, material and/or equipment required and perform all services and work necessary to remove eight (8) drums classified as "HAZARDOUS MATERIAL" from the job site and to dispose of same in a manner satisfactory to all Federal, State and Local regulations and in conformance with all applicable codes and/or regulations of all entities having jurisdiction thereof.

LUMP SUM PRICE \$2,352.00

E.P.A. I.D. #RID 980524532

Insurance Requirements shall be in accordance with the Schedule of Insurance Requirements, a copy of which is attached hereto and hereby made a part hereof.

The amount of this order includes all applicable Sales and/or Use Taxes.

MARSHALL CONTRACTORS, INC.

BY

L.W. Jamison

TITLE Vice President Purchasing

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Jet-Line Services Inc.

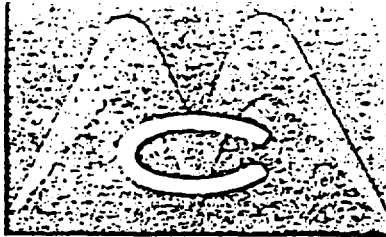
Vendor

BY

TITLE

ADP 000372

DATE



## MARSHALL CONTRACTORS INC.

### EXHIBIT G

Job No. 120  
Centerdale Manor  
North Providence, Rhode Island  
(RI 43-HO23-121)

### Schedule of Insurance Requirements

Please have your Insurance Certificates prepared and forwarded as soon as possible. The Insurance Requirements are as follows:

#### WORKMEN'S COMPENSATION

Statutory

Section B, Employer's Liability

\$500,000

#### COMPREHENSIVE GENERAL LIABILITY

Bodily Injury Limit

\$1,000,000 Each Occurrence  
\$1,000,000 Aggregate

Property Damage Limit

\$500,000 Each Occurrence  
\$500,000 Aggregate

#### Including:

XCU where required  
Contractual Liability  
Completed Operations (Maintained for 2 years after final payment)  
Broad Form Property Damage  
Personal Injury  
Independent Contractors, where required

#### AUTOMOBILE LIABILITY (including all owned, non-owned and hired vehicles)

Bodily Injury Limit

\$500,000 Each Person  
\$1,000,000 Each Occurrence

Property Damage Limit

\$500,000 Each Occurrence

EXCESS OVERALL UMBRELLA LIABILITY: \$1,000,000

CANCELLATION CLAUSE: 30 day notice of cancellation required

# contract purchase order

CBSI - MARSHALL

Joint Venture  
75 Newman Avenue  
Rumford, R.I. 02916

CONTRACT NO. 120

DATE 5/10/82

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING  
NOTICES, PACKAGES, CORRESPONDENCE, ETC.

DATE 5/10/82

VENDOR 7000483

TO 7000483

FROM 7000483

ITEM 7000483

QUANTITY 7000483

UNIT PRICE 7000483

TOTAL 7000483

TERMS OF DELIVERY 7000483

SHIPPING INSTRUCTIONS 7000483

SHIPPING DATES 7000483

ENTER ORDER FOR THE MATERIALS AND SERVICES DESCRIBED BELOW AND RETURN ONE COPY OF THIS CONTRACT PURCHASE ORDER PROPERLY SIGNED IN THE LOWER RIGHT HAND

COMMENTS TO INDICATE ACCEPTANCE WITHIN 14 DAYS OF DATE OF DELIVERY. SIGNATURE OF BUYER REQUIRED.

TERMS OF DELIVERY: F.O.B. DESTINATION, 30 DAYS DISCOUNT.

SHIPPING INSTRUCTIONS: SHIPPING DATES AS REQUIRED BY THE CONSTRUCTION SCHEDULE.

FOURTH, ALL NECESSARY MATERIALS AND SERVICES AND WORK REQUIRED AND PERFORMED BY VENDOR.

IN ADDITION, VENDOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

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IN ADDITION, VENDOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM \_\_\_\_\_

BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CBSI - MARSHALL Joint Venture

BY \_\_\_\_\_

TITLE \_\_\_\_\_

RENDER ALL INVOICES IN TRIPPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

Job 120 - CPO

| TELEPHONE QUOTATION                                                                                                                                      |                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| PROJECT: <u>Canterdale Manor</u>                                                                                                                         | DATE: <u>5/19/82</u>                                                                     |
| SUB/SUPPLIER: <u>Jet-Line Services Inc</u>                                                                                                               | TAX INCL: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>            |
| ADDRESS: <u>7 Dexter Rd E. Providence, RI</u>                                                                                                            | FOB JOB SITE: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>        |
| TELEPHONE NO. <u>438-9092</u>                                                                                                                            | FREIGHT INCL: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>        |
| QUOTED BY (NAME): <u>Walter Rayley</u>                                                                                                                   | UNLOAD INSTALL: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>      |
| ITEM OF WORK:                                                                                                                                            | Written Confirmation To Follow: Yes <input type="checkbox"/> No <input type="checkbox"/> |
| SPEC. SECTION(S):                                                                                                                                        | Per. Plans + Specs. Yes <input type="checkbox"/> No <input type="checkbox"/>             |
|                                                                                                                                                          | UNION: Yes <input type="checkbox"/> No <input type="checkbox"/>                          |
|                                                                                                                                                          | ADDENDA:                                                                                 |
|                                                                                                                                                          | DELIVERY DATE: <u>W/E 5-22-82</u>                                                        |
|                                                                                                                                                          | BULLETINS:                                                                               |
| <p>Remove 8 "Hazardous Material" drums and dispose of same per Federal, State and local regulations.</p> <p>EPA ID # RI D980524532</p> <p># 2,352.00</p> |                                                                                          |
| EXCLUSIONS:                                                                                                                                              |                                                                                          |
| ALTERNATIVES:                                                                                                                                            |                                                                                          |
| RECEIVED BY: <u>Will</u>                                                                                                                                 |                                                                                          |



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
75 Davis Street  
Providence, R. I. 02908

7 May 1982



Mr. William Lund  
Marshall Contractors  
75 Newman Avenue  
East Providence, RI

Dear Mr. Lund:

Enclosed is a copy of the application I made in your name for an EPA hazardous waste management identification number.

You will find the number which has been assigned to you on the bottom of the page. This number should be included in Section 1.H. of the Rhode Island hazardous waste manifest when hazardous waste is being transported off your site.

Very truly yours,

Stephen Majkut, Sr. Engineer  
Division of Air and Hazardous Materials

SM/km

Enclosure



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
75 Davis Street 204 Cannon Building  
Providence, R. I. 02908

22 April 1982

Mr. Frank Battaglia  
Environmental Protection Agency  
Permits Branch  
JFK Federal Building  
Boston, MA 02203

Dear Sir:

Would you please provide the below named installation an EPA ID number. Pursuant to Paragraph 5 of the Interim Cooperative Agreement for Coordination of Hazardous Waste Regulatory Activities.

Required Information

- a. Name of Installation Marshall Contractors
- b. Mailing Address 75 Newman Avenue  
East Providence, RI
- c. Location of Installation Route 44  
Centerdale, RI
- d. Name of installation contact William Lund  
Telephone Number 401-438- 3500
- e. Name of Legal Owner of Installation Briarbrook Association
- f. Type of Hazardous Waste Activity Generator  
i.e. Generator, Transporter, Treatment, Storage or Disposal.

Very truly yours,

*Stephen Majkut*  
Stephen Majkut, Sr. Engineer  
Division of Air and Hazardous Materials

ADP 000377

SM/km

The EPA I.D. Number being assigned to this facility is RID980524532.

Frank Battaglia *F.B.*

# AMENDMENT

Ocean State Disposal Inc.  
Shun Pike, Pole #15  
Johnston, R.I. 02919

MARSHALL CONTRACTORS, INC.  
75 Newman Avenue  
Rumford, R.I. 02916  
(401) 438-3500

Project Centerdale Manor  
No. Providence, R.I.

Amendment No. 2  
Arch/Owner Change Order No. \_\_\_\_\_  
Subcontract/CPO No. 120-10  
Vendor No. 15020  
Cost Code No. 01705/43

We hereby authorize the following changes to the Scope of the Work of your Subcontract and/or Contract Purchase Order on the above captioned project. All other terms and conditions of your Contract remain unchanged.

## DESCRIPTION OF CHANGE

To finalize billing for rubbish removal.

ADD \$ 173.14

Previous Contract Amount \$ 3,745.00  
Add for this Amendment 173.14  
Deduct for this Amendment \_\_\_\_\_  
Revised Contract Amount \$ 3,918.14

Please indicate acceptance of this change by signing one copy in the space provided below and return it to this office promptly.

## AGREED & ACCEPTED BY:

MARSHALL CONTRACTORS, INC.

Contractor

By: [Signature]  
L.W. Jamison, V.P. Administration

Title \_\_\_\_\_

Date February 14, 1983

OCEAN STATE DISPOSAL INC.

Subcontractor/Vendor

By: \_\_\_\_\_

Title \_\_\_\_\_ ADP 000378

Date \_\_\_\_\_

# AMENDMENT

Ocean State Disposal Inc.  
Pole #15, Shun Pike  
Johnston, R.I. 02919

*Handwritten: Marshall*  
**MARSHALL CONTRACTORS, INC.**  
75 Newman Avenue  
Rumford, R.I. 02916  
(401) 438-3500  
*Handwritten: pencil*

Project Centerdale Manor  
No. Providence, R.I.

Amendment No. 1  
Arch/Owner Change Order No. \_\_\_\_\_  
~~Subcontract~~/CPO No. 120-10  
Vendor No. 15020  
Cost Code 01705/43

We hereby authorize the following changes to the Scope of the Work of your Subcontract and/or Contract Purchase Order on the above captioned project. All other terms and conditions of your Contract remain unchanged.

## DESCRIPTION OF CHANGE

For added Rubbish Removal cost.

Previous Contract Amount \$ 2,745.00  
Add for this Amendment 1,000.00  
Deduct for this Amendment \_\_\_\_\_

Revised Contract Amount \$ 3,745.00

Please indicate acceptance of this change by signing one copy in the space provided below and return it to this office promptly.

## AGREED & ACCEPTED BY:

**MARSHALL CONTRACTORS, INC.**  
Contractor

By: *[Signature]*

Title L.W. Jamison VP. Purchasing

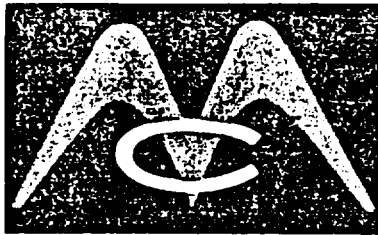
Date November 19, 1982

OCEAN STATE DISPOSAL INC.  
Subcontractor/Vendor

By: \_\_\_\_\_

Title \_\_\_\_\_ ADP 000379 \_\_\_\_\_

Date \_\_\_\_\_



## MARSHALL CONTRACTORS INC.

June 14, 1982

Ocean State Disposal, Inc.  
Pole #15, Shun Pike  
Johnston, RI 02919

RE: Centerdale Manor  
North Providence, RI Job No. 120

Gentlemen:

We enclose herewith the original and one (1) copy of Contract Purchase Order No. 120-10.

Please execute both copies in the space provided and initial every page of all Riders and Schedules attached thereto. Retain one copy for your files and records and return the original to us.

Should you have any questions in this matter, please address them to the writer as no modifications to the Contract Purchase Order will be allowed.

Very truly yours,

MARSHALL CONTRACTORS, INC.

L. W. Jamison  
Vice President - Purchasing

LWJ:ew

Enc.

bcc: Project Manager  
Field  
Expediting  
Accounting  
Purchasing

ADP 000380

# contract purchase order



MARSHALL CONTRACTORS, INC.

75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

CONTRACT NO. 120

C.P.O. NO. 120 - 10

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING  
NOTICES, PACKAGES, CORRESPONDENCE, ETC.

Vendor No. 15020

Cost Code No. 01705/43

DATE May 21, 1982

VENDOR 944-6654  
Ocean State Disposal, Inc.  
Pole #15, Shun Pike  
Johnston, RI 02919

JOB

Centredale Manor  
Smith Street  
North Providence, RI

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B. Jobsite

NET 30 DAYS: DISCOUNT \_\_\_\_ % \_\_\_\_ DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES May 21, 1982

## CONFIRMATION

Furnish and deliver 30 cubic yard dumpster for RUBBISH REMOVAL at the following unit prices:

|                     |              |          |
|---------------------|--------------|----------|
| Weekly Rental       | \$14.00/week | \$784.00 |
| Pickup and disposal | \$86.00/trip |          |

|                                           |         |
|-------------------------------------------|---------|
| Thirteen months approximate rental        | 784.00  |
| Twenty-one approximate pickups & disposal | 1806.00 |

|                   |           |
|-------------------|-----------|
| 6% RI Sales Tax   | 155.40    |
| Approximate TOTAL | \$2745.40 |

Rentals based on 1 unit 7 months  
2 units 3 months

21 total pickups

MARSHALL CONTRACTORS, INC.

BY

L. W. Jamison

TITLE Vice President - Purchasing

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Ocean State Disposal, Inc.  
Vendor

BY

TITLE

DATE

ADP 000381

# contract purchase order

COST CODE  
01705/43



CONTRACT NO. 120  
C.P.O. NO. 120-10

VENDOR CODE 15020 MARSHALL CONTRACTORS, INC.  
75 Newman Avenue, Rumford, Rhode Island 02911  
401 - 438-3500

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES. SHIPPING  
NOTICES, PACKAGES, CORRESPONDENCE, ETC.

DATE 5/21/82 944-6654  
VENDOR

OCEAN STATE DISPOSAL, INC.  
P.O. #15, SHUN PIKE  
JOHNSTON, R.I. 02919

JOB

CENTREDALE PINNOC  
SMITH ST.  
NO. PROV. R.I.

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B. JOBSITE

NET 30 DAYS DISCOUNT — % — DAY

SHIPPING INSTRUCTIONS: SHIPPING DATES 5/21/82

## CONFIRMATION

FURNISH AND DELIVER 30 CUBIC YARD DUMPSTER  
FOR RUBBISH REMOVAL AT THE FOLLOWING

UNIT PRICES:

WEEKLY RENTAL \$14.00/WK. \$784.00  
PICK UP AND DISPOSAL \$86.00/TRIP

13 MOS. APPROXIMATE RENTAL 784.00  
21 APPROXIMATE PICKUPS & DISPOSAL 1806.00  
2590.00  
GST 155.40  
APPROX. TOTAL \$2745.40

RENTALS BASED ON 1 UNIT 7 MOS.  
2 UNITS 3 MOS.  
21 TOTAL PICKUPS.

~~CONFIRMATION~~

MARSHALL CONTRACTORS, INC.

BY JEC

TITLE

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM

Vendor

BY

TITLE

ADP 000382

DATE

## CENTERDALE

|    |                      | 1                         | 2                  | 3                    | 4                 |
|----|----------------------|---------------------------|--------------------|----------------------|-------------------|
|    |                      | ESTIMATE OCEAN STATE 944- |                    | MACERA BOYER & BOYER |                   |
| 1  | DUMPSTER RENTAL      |                           | 14 <sup>00</sup>   | 15 <sup>00</sup>     | 15 <sup>00</sup>  |
| 2  | 1@ 7 MOS 2@ 3 MOS    | 1040 -                    | 784 <sup>00</sup>  | 840 -                | 840 -             |
| 3  | PICKUP & DISPOSAL    |                           | 86 <sup>00</sup>   | 115 -                | 131 <sup>00</sup> |
| 4  | 21 PICK & DISPOSE    | 2100 -                    | 1806 <sup>00</sup> | 2415 -               | 2751 -            |
| 5  |                      |                           |                    |                      |                   |
| 6  | 6% R I ST            |                           | 155 <sup>40</sup>  | 195 <sup>30</sup>    | 2154 <sup>6</sup> |
| 7  |                      |                           |                    |                      |                   |
| 8  |                      |                           |                    |                      |                   |
| 9  |                      |                           |                    |                      |                   |
| 10 | TOTAL BASED ON QUAN. | 3140 -                    | 2745 <sup>40</sup> | 3450 -               | 3806 -            |
| 11 |                      |                           |                    |                      |                   |
| 12 |                      |                           |                    |                      |                   |
| 13 |                      |                           |                    |                      |                   |
| 14 |                      |                           |                    |                      |                   |
| 15 |                      |                           |                    |                      |                   |
| 16 |                      |                           |                    |                      |                   |
| 17 |                      |                           |                    |                      |                   |
| 18 |                      |                           |                    |                      |                   |
| 19 |                      |                           |                    |                      |                   |
| 20 |                      |                           |                    |                      |                   |
| 21 |                      |                           |                    |                      |                   |
| 22 |                      |                           |                    |                      |                   |
| 23 |                      |                           |                    |                      |                   |
| 24 |                      |                           |                    |                      |                   |
| 25 |                      |                           |                    |                      |                   |
| 26 |                      |                           |                    |                      |                   |
| 27 |                      |                           |                    |                      |                   |
| 28 |                      |                           |                    |                      |                   |
| 29 |                      |                           |                    |                      |                   |
| 30 |                      |                           |                    |                      |                   |
| 31 |                      |                           |                    |                      |                   |
| 32 |                      |                           |                    |                      |                   |

CLOSED  
5/21/82  
JAC

# TELEPHONE QUOTATION

|                                         |                                                                                                        |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------|
| PROJECT: <b>MARRIOTT</b>                | DATE: <b>5,20,82</b>                                                                                   |
| SUB/SUPPLIER: <b>OCEAN STATE DISP.</b>  | TAX INCL: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> |
| ADDRESS: <b>POLE #15 SHUN PIKE INC.</b> | FOB JOB SITE: Yes <input type="checkbox"/> No <input type="checkbox"/>                                 |
| TELEPHONE NO. <b>JOHNSTON 02919</b>     | FREIGHT INCL: Yes <input type="checkbox"/> No <input type="checkbox"/>                                 |
| QUOTED BY (NAME): <b>944 6654</b>       | UNLOAD Yes <input type="checkbox"/> No <input type="checkbox"/>                                        |
| ITEM OF WORK: <b>J.C. BASTIANELLI</b>   | INSTALL Yes <input type="checkbox"/> No <input type="checkbox"/>                                       |
| SPEC. SECTION(S)                        | Written Confirmation To Follow Yes <input type="checkbox"/> No <input type="checkbox"/>                |
|                                         | Per. Plans + Specs. Yes <input type="checkbox"/> No <input type="checkbox"/>                           |
|                                         | UNION Yes <input type="checkbox"/> No <input type="checkbox"/>                                         |
|                                         | ADDENDA:                                                                                               |
|                                         | DELIVERY DATE:                                                                                         |
|                                         | BULLETINS:                                                                                             |

COST CODE  
01705/43  
120

30 CY DUMPSTER

PRICE GIVEN TO MIKE PUDICOMBE  
@ JOBSITE

~~EXCLUSIONS:~~

OCEAN STATE DISPOSAL

14<sup>00</sup> WK RENTAL

86<sup>00</sup> PU

ALTERNATIVES:

RECEIVED BY: *[Signature]*

ADP 000384

# TELEPHONE QUOTATION

|                                                                  |                                                                                         |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| PROJECT: <i>C'DACE</i>                                           | DATE: <i>5, 21, 82</i>                                                                  |
| SUB/SUPPLIER: <i>MACERA BROS.</i>                                | TAX INCL: Yes <input type="checkbox"/> No <input type="checkbox"/>                      |
| ADDRESS:                                                         | FOB JOB SITE: Yes <input type="checkbox"/> No <input type="checkbox"/>                  |
|                                                                  | FREIGHT INCL: Yes <input type="checkbox"/> No <input type="checkbox"/>                  |
|                                                                  | UNLOAD Yes <input type="checkbox"/> No <input type="checkbox"/>                         |
| INSTALL Yes <input type="checkbox"/> No <input type="checkbox"/> |                                                                                         |
| TELEPHONE NO. <i>944 4155</i>                                    | Written Confirmation To Follow Yes <input type="checkbox"/> No <input type="checkbox"/> |
| QUOTED BY (NAME): <i>CAROL</i>                                   | Per. Plans + Specs. Yes <input type="checkbox"/> No <input type="checkbox"/>            |
|                                                                  | UNION Yes <input type="checkbox"/> No <input type="checkbox"/>                          |
|                                                                  | ADDENDA:                                                                                |
| ITEM OF WORK:                                                    | DELIVERY DATE:                                                                          |
| SPEC. SECTION(S)                                                 | BULLETINS:                                                                              |

~~125<sup>00</sup>~~ 115<sup>00</sup> DUMP CHGE.  
15<sup>00</sup>/WK RENTAL

EXCLUSIONS:

ALTERNATIVES:

RECEIVED BY: *JSC*

ADP 000385

| TELEPHONE QUOTATION                                                                                                   |                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| PROJECT: <i>C1 DALE</i>                                                                                               | DATE: <i>5.21.82</i>                                                                    |
| SUB/SUPPLIER: <i>GODITT &amp; BOYER</i>                                                                               | TAX INCL: Yes <input type="checkbox"/> No <input type="checkbox"/>                      |
| ADDRESS:                                                                                                              | FOB JOB SITE: Yes <input type="checkbox"/> No <input type="checkbox"/>                  |
|                                                                                                                       | FREIGHT INCL: Yes <input type="checkbox"/> No <input type="checkbox"/>                  |
|                                                                                                                       | UNLOAD Yes <input type="checkbox"/> No <input type="checkbox"/>                         |
| TELEPHONE NO. <i>738 9120</i>                                                                                         | INSTALL Yes <input type="checkbox"/> No <input type="checkbox"/>                        |
| QUOTED BY (NAME): <i>JOHN</i>                                                                                         | Written Confirmation To Follow Yes <input type="checkbox"/> No <input type="checkbox"/> |
|                                                                                                                       | Per. Plans + Specs. Yes <input type="checkbox"/> No <input type="checkbox"/>            |
|                                                                                                                       | UNION Yes <input type="checkbox"/> No <input type="checkbox"/>                          |
| ITEM OF WORK:                                                                                                         | ADDENDA:                                                                                |
| SPEC. SECTION(S)                                                                                                      | DELIVERY DATE:                                                                          |
| <p><i>30 CY DUMPSTER</i></p> <p><i>15<sup>00</sup> RENTAL</i><br/><i>WK</i></p> <p><i>131<sup>00</sup> PICKUP</i></p> |                                                                                         |
| EXCLUSIONS:                                                                                                           |                                                                                         |
| ALTERNATIVES:                                                                                                         |                                                                                         |
| RECEIVED BY:                                                                                                          |                                                                                         |

| TELEPHONE QUOTATION                                                                                                            |                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| PROJECT: <i>C'DALE</i>                                                                                                         | DATE: <i>5, 21, 82</i>                                                                  |
| SUB/SUPPLIER: <i>TRUCK A WAY</i>                                                                                               | TAX INCL: Yes <input type="checkbox"/> No <input type="checkbox"/>                      |
| ADDRESS:                                                                                                                       | FOB JOB SITE: Yes <input type="checkbox"/> No <input type="checkbox"/>                  |
|                                                                                                                                | FREIGHT INCL: Yes <input type="checkbox"/> No <input type="checkbox"/>                  |
|                                                                                                                                | UNLOAD Yes <input type="checkbox"/> No <input type="checkbox"/>                         |
| INSTALL Yes <input type="checkbox"/> No <input type="checkbox"/>                                                               |                                                                                         |
| TELEPHONE NO. <i>941-7400</i>                                                                                                  | Written Confirmation To Follow Yes <input type="checkbox"/> No <input type="checkbox"/> |
| QUOTED BY (NAME): <i>JOE CONCORAN</i>                                                                                          | Per. Plans + Specs. Yes <input type="checkbox"/> No <input type="checkbox"/>            |
|                                                                                                                                | UNION Yes <input type="checkbox"/> No <input type="checkbox"/>                          |
|                                                                                                                                | ADDENDA:                                                                                |
| ITEM OF WORK:                                                                                                                  | DELIVERY DATE:                                                                          |
| SPEC. SECTION(S)                                                                                                               | BULLETINS:                                                                              |
| <p style="text-align: center;"><i>30CY DUMPSTER</i><br/> <i>RENTAL 15<sup>00</sup></i><br/> <i>PICK-UP 45<sup>00</sup></i></p> |                                                                                         |
| EXCLUSIONS:                                                                                                                    |                                                                                         |
| ALTERNATIVES:                                                                                                                  |                                                                                         |
| RECEIVED BY:                                                                                                                   |                                                                                         |

# contract purchase order

debris removal



CONTRACT NO. 120  
C.P.O. NO. 120-4

MARSHALL CONTRACTORS, INC.  
75 Newman Avenue, Rumford, Rhode Island 02916  
401 - 438-3500

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES, SHIPPING  
NOTICES, PACKAGES, CORRESPONDENCE, ETC.

Vendor #16067 *WP*  
Cost Code #01705/43

DATE March 25, 1982

VENDOR

Peabody Clean Industry  
Bldg. 7, Room 201  
Davisville, RI 02854

JOB

Centerdale Manor  
North Providence, RI

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B. Davisville, RI

NET 30 DAYS: DISCOUNT -- % -- DAYS

SHIPPING INSTRUCTIONS: SHIPPING DATES Via our truck

Furnish the following material:

|                              |                 |   |              |
|------------------------------|-----------------|---|--------------|
| 2 - 72 gallon overpack drums | @ \$110.00 each | = | \$220.00     |
|                              | 6% RIST         |   | <u>13.20</u> |
|                              | Total           |   | \$233.20     |

MARSHALL CONTRACTORS, INC.

BY

*James E. Conlon*  
James E. Conlon  
TITLE Purchasing Agent

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

FIRM Peabody Clean Industry  
Vendor

BY

TITLE

ADP 000388

DATE

# Contract purchase order

CBSI - MARSHALL

Joint Venture

75 Newman Avenue

Rumford, R.I. 02916

(401) 438-3500

CONTRACT NO. 120

C.P.O. NO. 120-4

GENERAL CONDITIONS

THE ABOVE NUMBERS MUST BE PLACED ON ALL INVOICES AND PACKAGES BY THE SUPPLIER. THE SUPPLIER SHALL BE RESPONSIBLE FOR THE DELIVERY OF THE MATERIALS TO THE PROJECT SITE. THE SUPPLIER SHALL BE RESPONSIBLE FOR THE DELIVERY OF THE MATERIALS TO THE PROJECT SITE. THE SUPPLIER SHALL BE RESPONSIBLE FOR THE DELIVERY OF THE MATERIALS TO THE PROJECT SITE.

DATE 3/25/82

VENDOR: PERBODY CLEAR INDUSTRY CENTRE MANOR  
BEDG 7 ROOM 201 NO PROVIDE  
DAVISVILLE, RT 238

Enter order for the materials and services described below and return one copy of this contract purchase order properly signed in the lower right hand corner to indicate acceptance within 14 days.

TERMS OF DELIVERY: F.O.B. DAVISVILLE, RT NET 30 DAYS: DISCOUNT - %

SHIPPING INSTRUCTIONS: SHIPPING DATES: VIA OUR TRUCK

FURNISH THE FOLLOWING MATERIAL:  
2 72 GALLON OVERPACK DRUMS  
@ 110.00 EA 220.00

6% RISE 13.20  
TOTAL 233.20

1. All materials are subject to Contractor's inspection on arrival notwithstanding prior payment. Any materials rejected on account of inferior quality or workmanship will be returned to Vendor with charge for transportation both ways plus labor, reloading, trucking, etc. and are not to be replaced except upon receipt of written instructions from Contractor.

2. Neither Vendor nor Vendor's subcontractors or suppliers shall file or maintain any mechanics' liens or claims against the Project for any materials or services supplied hereunder. Upon request by Contractor, Vendor agrees to furnish waivers or releases of all liens or claims against the Project executed by Vendor and Vendor's subcontractors and suppliers.

3. Vendor shall not assign this Contract Purchase Order nor any money due or to become due Vendor hereunder without the written consent of Contractor.

4. Vendor shall abide by all safety rules and regulations established by Contractor or promulgated by any federal, state or local governmental body or agency with appropriate jurisdiction.

5. Vendor shall clean up and remove from the Project site all rubbish and debris resulting from Vendor's performance hereunder.

6. Vendor's breach of any of the terms, conditions or requirements of this Contract Purchase Order shall, upon Vendor's failure to cure the same within 48 hours of receipt of notice thereof, be good and sufficient ground for Contractor to cancel this Contract Purchase Order and charge all resulting costs incurred to Vendor's account.

CBSI - MARSHALL Joint Venture

BY

TITLE

RENDER ALL INVOICES IN TRIPLICATE

Subject to all the general conditions on reverse side which are a part hereof.

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.

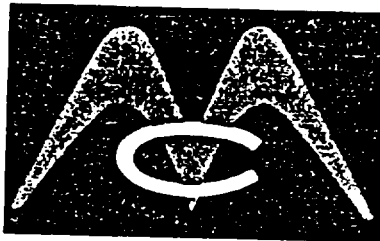
FIRM

Vendor

BY

TITLE

DATE



MARSHALL CONTRACTORS INC.

July 13, 1982

Ocean State Disposal  
Pole #15 Shun Pike  
Johnston, RI 02919

RE: Centerdale Manor  
North Providence, RI - Job No. 120  
Contract Purchase Order No. 120-10

Gentlemen:

Please be advised that as of this date the above referenced Contract Purchase Order has not been executed by you and returned to us.

You are hereby advised that payment on your account cannot be made until this document has been fully executed.

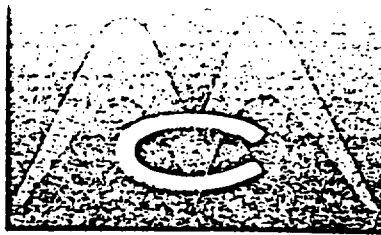
Very truly yours,

MARSHALL CONTRACTORS, INC.

L. W. Jamison  
Vice President - Purchasing

LWJ:kr

ADP 000390



Waste

## MARSHALL CONTRACTORS INC.

April 13, 1982

Compaction Engineering Company  
Third National Bank Building  
Suite 78, P. O. Box 209  
Palmer, MA 01069

RE: Centerdale Manor  
North Providence, RI - Job No. 120

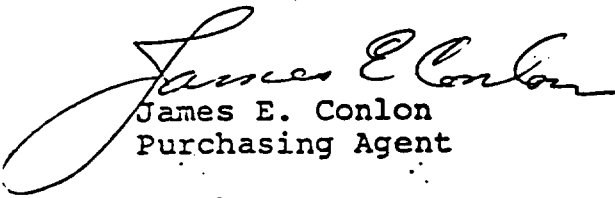
Gentlemen:

Enclosed herewith are Subcontractors Certification Concerning Labor Standards and Prevailing Wage Requirements, and a typical form entitled Affirmative Action Program. Please be advised that prior to the issuance of a Subcontract, these forms must be completed and returned, to be submitted for approval from Rhode Island Housing and Mortgage Finance Corporation as it relates to this project. If you, in fact, have an Affirmative Action Program of your own, please submit same with the Certificate form for approval. Please be advised that any and all sub-subcontractors must comply with the above. Any costs attributable to a sub-subcontractor that has not complied, will not be paid for their work for the period prior to Rhode Island Housing and Mortgage Finance Corporation's approval.

If you have any questions with regards to the above or the enclosed, please contact us at your earliest convenience.

Very truly yours,

MARSHALL CONTRACTORS, INC.

  
James E. Conlon  
Purchasing Agent

JEC:kr

Enc.

cc: William Lund

ADP 000391

*Sub Removal*

August 11, 1982

Ocean State Bisposal  
Pole #15 Shun Pike  
Johnston, RI 02919

Re: Centerdale Manor  
North Providence, RI - Job No. 120  
Contract Purchase Order No. 120-10

Gentlemen:

Please be advised that as of this date the above referenced Contract Purchase Order has not been executed by you and returned to us.

You are hereby advised that payment to your account cannot be made until this document has been fully executed.

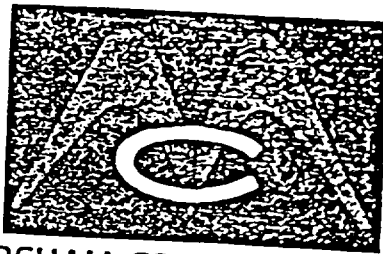
Very truly yours,

MARSHALL CONTRACTORS, INC.

L. W. Jamison  
Vice President - Purchasing

LWJ:kr

bcc: Bill Lund  
Field  
CPO File  
Reading File  
Tickler File for Aug. 25 w/att.



*rubber removal*

MARSHALL CONTRACTORS INC.

July 26, 1982

Ocean State Disposal  
Pole #15 Shun Pike  
Johnston, RI 02919

RE: Centerdale Manor  
North Providence, RI - Job No. 120  
Contract Purchase Order No. 120-10

Gentlemen:

Please be advised that as of this date the above referenced Contract Purchase Order has not been executed by you and returned to us.

You are hereby advised that payment on your account cannot be made until this document has been fully executed.

Very truly yours,

MARSHALL CONTRACTORS, INC.

L. W. Jamison  
Vice President - Purchasing

LWJ:kr

bcc: Bill Lund  
Field  
CPO File  
Reading File  
Tickler File 8/9



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DIVISION OF LAND RESOURCES  
WETLANDS SECTION  
83 PARK STREET  
PROVIDENCE, RHODE ISLAND 02903

DO NOT USE

APPLICATION NO.

DATE REC'D.

FRESH WATER WETLANDS  
REQUEST FOR APPLICABILITY DETERMINATION  
(NO FEE)

BOTH FORMS MUST BE SUBMITTED TO THE DEPARTMENT  
White form must be used as original copy, blue as duplicate.

|                                                            |     |                      |                                     |                                           |                           |                                               |      |
|------------------------------------------------------------|-----|----------------------|-------------------------------------|-------------------------------------------|---------------------------|-----------------------------------------------|------|
| APPLICANT'S NAME<br>The Robinson Green Beretta Corporation |     |                      |                                     | DOING BUSINESS AS<br>Architects/Engineers |                           |                                               |      |
| APPLICANT'S MAILING ADDRESS<br>2 John Street               | NO. | STREET<br>Providence | CITY/TOWN<br>Rhode Island           | STATE<br>02906                            | ZIP                       | AREA CODE AND TEL. NO.<br>401 XXX BUS. 272-17 | TEL. |
| OWNER'S NAME<br>Centredale Manor Associates                |     |                      | OWNER'S ADDRESS<br>75 Newman Avenue |                                           |                           |                                               |      |
|                                                            |     |                      | NO.                                 | STREET<br>Rumford                         | CITY/TOWN<br>Rhode Island | STATE<br>02911                                | ZIP  |
| LOCATION OF SITE TO BE INSPECTED.                          |     |                      |                                     | City/Town: North Providence               |                           |                                               |      |

Street(s) abutting site and/or from which access to site may be gained:  
Site is on south side of Smith Street, east of Woonasquatucket River and west of the ends of Steere Avenue and Grover Street. Access is existing drive from Smith Street.

Tax Assessor's Plat No: 14

Lot No(s): 250

**IMPORTANT:**

Failure to complete application properly or absence of required enclosure (see below) will delay processing.

APPLICANT'S SIGNATURE

DATE

X

Gerhard H. Graf, P.E.

11/20/81

**REQUIRED ENCLOSURE:**

Duplicate site plans showing location of area to be inspected, paper size 9 1/2"x11" minimum, 24"x36" maximum, drawn to scale no smaller than 1"=100'. North arrow, scale must be shown. Site plan must locate area in question and approximate wetland location relative to existing landmarks (e.g. street intersections, numbered utility poles). If a precise delineation of wetlands boundary is desired, site plan must include a topographical survey of the area in question, preferably at 2-foot contour intervals. When the area in question is a large tract of land, such measures as flagging proposed road centerlines or marking lots in field will help facilitate our determination.

**NOTES:**

Fresh Water Wetlands include, but are not necessarily limited to, the following:

1. Perennial rivers/streams and those areas within 200 feet of any river/stream with a channel width of 10 feet or more and within 100 feet of any river/stream less than 10 feet in channel width.
2. Flood Plains of rivers/streams (see note "b" on second sheet of this form).
3. Areas subject to flooding and storm flowage, including intermittent streams and drainage ditches.
4. Ponds, Bogs, Marshes, Swamps and those areas within 50 feet of any pond, bog, marsh or swamp.

If you propose any alteration (e.g. construction, grading, filling, excavation etc.) which may fall within a wetland area, time-consuming intermediate application steps can be avoided by showing such proposed work on the above-mentioned required enclosure. All work falling within a wetland area must be described in detail including existing vs. proposed contours if filling or excavation is proposed or, in the case of violations, has already been accomplished. Appropriate sedimentation control measures will be required in all cases where wetlands alterations are proposed. If changes in the drainage/runoff characteristics of an area (e.g. piping of streams, collection and discharge of surface drainage into a wetland, paving of large areas of watershed contributing to a wetland, etc.) are proposed, see note "a" on second sheet of this form.

## TARGET SHEET

THE MATERIAL DESCRIBED BELOW  
NOT SCANNED BECAUSE:

- ☒ OVERSIZED
- ☐ NON-PAPER MEDIA
- ☐ OTHER

DESCRIPTION: DOC# 9185, CENTREDALE MANOR, SITE PLAN  
WETLANDS SUBMISSION, NOVEMBER 20, 1981.

THE OMITTED MATERIAL IS AVAILABLE FOR REVIEW  
BY APPOINTMENT  
AT THE EPA NEW ENGLAND SUPERFUND RECORDS CENTER,  
BOSTON, MA

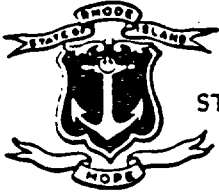
## TARGET SHEET

THE MATERIAL DESCRIBED BELOW  
NOT SCANNED BECAUSE:

- ☒ OVERSIZED
- ☐ NON-PAPER MEDIA
- ☐ OTHER

DESCRIPTION: DOC# 9185, CENTREDALE MANOR, FINAL AS-BUILT  
DATA, JANUARY 5, 1983.

THE OMITTED MATERIAL IS AVAILABLE FOR REVIEW  
BY APPOINTMENT  
AT THE EPA NEW ENGLAND SUPERFUND RECORDS CENTER,  
BOSTON, MA



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
38 State Street  
Providence, R. I. 02908

January 18, 1982

Mr. Gerhard H. Graf, P.E.  
c/o The Robinson Green Beretta Corporation  
2 John Street  
Providence, Rhode Island 02906

APPLICATION NO. 5027

Dear Mr. Graf:

Kindly be advised that this Department has reviewed your Request for Fresh Water Wetlands Applicability Determination and inspected the site of proposed building and parking area construction located south of Smith Street, North Providence, Rhode Island,

and as described by the site plan submitted with your request and entitled "Centredale Manor North Providence, Rhode Island" dated November 20, 1981 Sheets 1 and 2.

Under the following provisions: 1. Only work specifically shown on the aforementioned site plan is allowed. 2. Adequate measures are taken to prevent sediments from entering adjacent wetlands to include at least those measures delineated on the aforementioned plan.

it is our conclusion that this proposal represents an insignificant alteration of a fresh water wetland. Therefore, under the aforementioned provisions, a permit to alter fresh water wetlands will not be required.

Please note that this does not remove your obligation to obtain any necessary permits from local, federal or other state agencies.

Very truly yours,

*Peter M. Janaros, P.E.*  
Peter M. Janaros, P. E.  
Chief  
Division of Land Resources

JT/PMJ/lp

RECEIVED BY THE RGS CORP.  
RAD \_\_\_\_\_ JAB \_\_\_\_\_ GJJ \_\_\_\_\_  
JRB \_\_\_\_\_ DMN \_\_\_\_\_ GHG 57  
ACTION BY \_\_\_\_\_  
JAN 20 1982  
TRZ \_\_\_\_\_ WG \_\_\_\_\_ RJE \_\_\_\_\_  
JRC \_\_\_\_\_ WKA \_\_\_\_\_ GEM \_\_\_\_\_  
MS \_\_\_\_\_ RMS \_\_\_\_\_ JEB \_\_\_\_\_  
JTN \_\_\_\_\_ RJG \_\_\_\_\_ KRW \_\_\_\_\_

ADP 000397



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
75 Davis Street 204 Cannon Building  
Providence, R. I. 02908

21 April 1982

Mr. William Lund  
Marshall Contractors  
75 Newman Avenue  
East Providence, RI

Dear Sir:

Based on the analysis #6219 from R.I. Analytical, the whitish material in the crushed drums from Centredale is not toxic or flammable. Therefore, disposal of this material can be done at the solid waste landfill of your choice.

If you have any questions concerning this matter or any others, please call me at 277-2797.

Sincerely yours,

John P. Leo, Engineer  
Division of Air and Hazardous Materials

JPL/km

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

|                                                                                                   |                           |                                             |
|---------------------------------------------------------------------------------------------------|---------------------------|---------------------------------------------|
| MANUFACTURER'S NAME <b>MASTER BUILDERS</b>                                                        |                           | EMERGENCY TELEPHONE NO.                     |
| Division of Martin Marietta Corporation                                                           |                           | (216) 831-5500 Ext. 2334                    |
| ADDRESS (Number, Street, City, State, and ZIP Code)<br>23700 Chagrin Blvd., Cleveland, Ohio 44122 |                           |                                             |
| CHEMICAL NAME AND SYNONYMS<br>Not Applicable                                                      |                           | TRADE NAME AND SYNONYMS<br>POZZOLITH 122-HF |
| CHEMICAL FAMILY<br>Not Applicable                                                                 | FORMULA<br>Not Applicable |                                             |

## SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS                     | %              | TLV (Units) | ALLOYS AND METALLIC COATINGS              | % | TLV (Units) |
|-------------------------------------------------------|----------------|-------------|-------------------------------------------|---|-------------|
| PIGMENTS                                              |                |             | BASE METAL                                |   |             |
| CATALYST                                              | Not Applicable |             | ALLOYS                                    |   |             |
| VEHICLE                                               |                |             | METALLIC COATINGS                         |   |             |
| SOLVENTS                                              |                |             | FILLER METAL<br>PLUS COATING OR CORE FLUX |   |             |
| ADDITIVES                                             |                |             | OTHERS                                    |   |             |
| OTHERS                                                |                |             |                                           |   |             |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES |                |             |                                           | % | TLV (Units) |
| Not Applicable                                        |                |             |                                           |   |             |
|                                                       |                |             |                                           |   |             |
|                                                       |                |             |                                           |   |             |
|                                                       |                |             |                                           |   |             |

## SECTION III - PHYSICAL DATA

|                         |                                |                                       |                |
|-------------------------|--------------------------------|---------------------------------------|----------------|
| BOILING POINT (°F.)     | 215                            | SPECIFIC GRAVITY (H <sub>2</sub> O=1) | 1.33           |
| VAPOR PRESSURE (mm Hg.) | Not Applicable                 | PERCENT. VOLATILE<br>BY VOLUME (%)    | 63             |
| VAPOR DENSITY (AIR=1)   | "                              | EVAPORATION RATE<br>(_____ =1)        | Not Applicable |
| SOLUBILITY IN WATER     | Complete                       |                                       |                |
| APPEARANCE AND ODOR     | Reddish-brown odorless liquid. |                                       |                |

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

|                                    |                |                  |     |     |
|------------------------------------|----------------|------------------|-----|-----|
| FLASH POINT (Method used)          | Not Applicable | FLAMMABLE LIMITS | Lel | Uel |
| EXTINGUISHING MEDIA                | "              | Not Applicable   |     |     |
| SPECIAL FIRE FIGHTING PROCEDURES   | "              |                  |     |     |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | "              |                  |     |     |

ADP 000399

## SECTION V - HEALTH HAZARD DATA

|                                    |                                 |
|------------------------------------|---------------------------------|
| THRESHOLD LIMIT VALUE              | Unknown                         |
| EFFECTS OF OVEREXPOSURE            | None Known                      |
|                                    |                                 |
| EMERGENCY AND FIRST AID PROCEDURES | Flush exposed areas with water. |
|                                    |                                 |
|                                    |                                 |

## SECTION VI - REACTIVITY DATA

|                                           |                |   |                     |
|-------------------------------------------|----------------|---|---------------------|
| STABILITY                                 | UNSTABLE       |   | CONDITIONS TO AVOID |
|                                           | STABLE         | X |                     |
| INCOMPATIBILITY (Materials to avoid) None |                |   |                     |
| HAZARDOUS DECOMPOSITION PRODUCTS None     |                |   |                     |
| HAZARDOUS POLYMERIZATION                  | MAY OCCUR      |   | CONDITIONS TO AVOID |
|                                           | WILL NOT OCCUR | X |                     |

## SECTION VII - SPILL OR LEAK PROCEDURES

|                                                                |
|----------------------------------------------------------------|
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED      |
| Flush with water. No special precaution required for clean-up. |
|                                                                |
| WASTE DISPOSAL METHOD                                          |
| Customary procedures for industrial waste treatment.           |
|                                                                |
|                                                                |

## SECTION VIII - SPECIAL PROTECTION INFORMATION

|                                            |                        |                     |
|--------------------------------------------|------------------------|---------------------|
| RESPIRATORY PROTECTION (Specify type) None |                        |                     |
| VENTILATION                                | LOCAL EXHAUST          | SPECIAL             |
|                                            | MECHANICAL (General) X | OTHER               |
| PROTECTIVE GLOVES None                     |                        | EYE PROTECTION None |
| OTHER PROTECTIVE EQUIPMENT None            |                        |                     |

## SECTION IX - SPECIAL PRECAUTIONS

|                                                            |
|------------------------------------------------------------|
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING            |
| None                                                       |
|                                                            |
| OTHER PRECAUTIONS                                          |
| Do not take internally. Keep out of the reach of children. |

JAN 19 1983

PROJECT NAME: CENTREDALE MANOR

RI 43-H023-121 <sup>r C</sup>  
PROJECT NO: \_\_\_\_\_

PROJECT LOCATION: North Providence, Rhode Island

REQUEST FOR PERMISSION TO OCCUPY

Rhode Island Housing & Mortgage Finance Corporation

Permission is requested for the occupancy of 123 living units identified as Centredale Manor and located an eight-story masonry bearing wall building, 10% handicapped with community facilities (Describe structure, wing, entrance, etc.)

All work in connection therewith has been substantially completed and all of the above described living units are suitable for occupancy, with the fixtures and equipment installed and in operating condition. Light, heat, water, gas and sanitary services have been connected and are available for use. The premises have been inspected by the public authorities who have jurisdiction and who have granted permission to occupy, as evidenced by the certificates attached hereto. Safe and adequate approaches to the site and the aforesaid living units have been provided, including temporary or permanent guard rails, barricades, walks, lights and other provisions necessary to the protection of tenants and the public.

CENTREDALE MANOR ASSOCIATES

Date: January 18, 1983

By: *[Signature]* Mortgagor  
*GM 104*

ARCHITECT'S CERTIFICATE OF SUBSTANTIAL COMPLETION

I have inspected the units listed above and have found construction to be sufficiently complete and in accordance with contract documents so that owner may occupy the above described living or service units for the uses intended. I have examined all required certificates of permission to occupy as issued by public authorities having jurisdiction and found same to be in proper order.

THE ROBINSON GREEN BERETTA CORPORATION

Date: January 18, 1983

By: *[Signature]* Supervisory Architect

CONTRACTOR'S CERTIFICATION

This is to certify that all work or correction necessary to complete the above described living units in accordance with the contract requirements and in a manner acceptable to the Rhode Island Housing & Mortgage Finance Corporation will be performed without delay and at no additional cost regardless of any adverse conditions resulting from the occupancy of the aforesaid living units.

MARSHALL CONTRACTORS, INC.

Contractor

Date: January 18, 1983

By: *[Signature]*

RHODE ISLAND HOUSING & MORTGAGE FINANCE CORPORATION INSPECT REPORT

Examination of the living units described above, including the available means of access thereto, reveals they are suitable for occupancy with the exception of those enumerated below, which are considered unsuitable for occupancy at this time for the reasons stated.

Inspected: 3/1/83 By: *[Signature]*  
Date

# CERTIFICATE OF USE AND OCCUPANCY

24  
MUNICIPALITY

No. 6579

ADP 000402

THIS IS TO CERTIFY that the Eight Story housing for  
elderly and handicapped

erected on Plat No.: 14 Lot No.: 250

Addition: \_\_\_\_\_

Street and No.: 2074 Smith Street

Owner: Centerdale Manor Association Zone: \_\_\_\_\_

Architect or Engineer: \_\_\_\_\_

Contractor: Marshal Contractors Inc.

Building Permit No.: 6579 Plan No.: \_\_\_\_\_

has been inspected and the following occupancy thereof is  
hereby authorized:

Occupancies: Max. Allowable floor  
live loads per sq. ft.

Occupancy  
Load

Basement: \_\_\_\_\_

1st Floor: \_\_\_\_\_

2nd Floor: \_\_\_\_\_

3rd Floor: \_\_\_\_\_

4th Floor: \_\_\_\_\_

5th Floor: \_\_\_\_\_

6th Floor: \_\_\_\_\_

7th Floor: \_\_\_\_\_

8th Floor: \_\_\_\_\_

9th Floor: \_\_\_\_\_

10th Floor: \_\_\_\_\_

Roof: \_\_\_\_\_

This Certificate must be posted where required by the State Building  
Code, and permanently maintained in a conspicuous place at or  
close to the entrance of the building or structure referred to above.

January 18, 1983  
\_\_\_\_\_  
Building Official  
Expiration Date \_\_\_\_\_

ON SITE

POST THIS CARD SO IT IS VISIBLE FROM STREET

# BUILDING PERMIT

FEE PAID \$

TO BE INCLUDED IN  
BIR Permit

Received By

Date Cranted

FEB 29 1987

Numerical Code

THIS CERTIFIES THAT MICHAEL J. QUINN  
has permission to REPAIR EXISTING ROOF  
Located at 5111 1ST Plac Lot 1

provided that the person accepting this Permit shall in every respect conform to the terms of the application on file in this office and to the provisions of the Statutes and Ordinances relating to Zoning, Construction, Alteration and Maintenance of Buildings in the municipality and shall begin work on said building within SIX MONTHS from the date hereof and prosecute the work thereon to a speedy Completion.

Any person who shall violate any of the Statutes and Ordinances relating to Zoning, Construction, Alteration and Maintenance in the municipality shall be punished by penalties imposed by the State Building Code and Local Zoning Ordinances.

E. Caron  
Building Official

## BUILDING INSPECTION APPROVALS:

WORK SHALL NOT PROCEED UNTIL THE INSPECTOR HAS APPROVED THE VARIOUS STAGES OF CONSTRUCTION.

| STAGE OF CONSTRUCTION | SIGNATURE | STAGE OF CONSTRUCTION | SIGNATURE |
|-----------------------|-----------|-----------------------|-----------|
| 1. _____              | _____     | 5. _____              | _____     |
| 2. _____              | _____     | 6. _____              | _____     |
| 3. _____              | _____     | 7. _____              | _____     |
| 4. _____              | _____     | 8. _____              | _____     |

This Permit must be returned for Certificate of Occupancy.

On remote sites this card may be kept within the contractor's vehicle, readily available for inspection.

POST THIS CARD SO IT IS VISIBLE FROM STREET

# BUILDING PERMIT

FEE PAID \$ 5,003.00  
Received By at  
Date Granted 3-16 1982  
Numerical Code \_\_\_\_\_

THIS CERTIFICATE THAT \_\_\_\_\_  
has permission to \_\_\_\_\_  
located at \_\_\_\_\_

provided that the person accepting this Permit shall in every respect conform to the terms of the application on file in this office and to the provisions of the Statutes and Ordinances relating to Zoning, Construction, Alteration and Maintenance of Buildings in the municipality and shall begin work on said building within SIX MONTHS from the date hereof and prosecute the work thereon to a speedy Completion.

Any person who shall violate any of the Statutes and Ordinances relating to Zoning, Construction, Alteration and Maintenance in the municipality shall be punished by penalties imposed by the State Building Code and Local Zoning Ordinances.

Emilio A. Cerioni

Building Official

## BUILDING INSPECTION APPROVALS:

WORK SHALL NOT PROCEED UNTIL THE INSPECTOR HAS APPROVED THE VARIOUS STAGES OF CONSTRUCTION.

| STAGE OF CONSTRUCTION | SIGNATURE | STAGE OF CONSTRUCTION | SIGNATURE |
|-----------------------|-----------|-----------------------|-----------|
| 1. _____              | _____     | 5. _____              | _____     |
| 2. _____              | _____     | 6. _____              | _____     |
| 3. _____              | _____     | 7. _____              | _____     |
| 4. _____              | _____     | 8. _____              | _____     |

This Permit must be returned for Certificate of Occupancy.

On remote sites this card may be kept within the contractor's vehicle, readily available for inspection.

## TARGET SHEET

THE MATERIAL DESCRIBED BELOW  
NOT SCANNED BECAUSE:

- ☒ OVERSIZED
- ☐ NON-PAPER MEDIA
- ☐ OTHER

DESCRIPTION: DOC# 9185, CENTREDALE MANOR, 123 UNIT  
ELDERLY HOUSING, SITE & GRADING PLAN, MARCH 10, 1982.

THE OMITTED MATERIAL IS AVAILABLE FOR REVIEW  
BY APPOINTMENT  
AT THE EPA NEW ENGLAND SUPERFUND RECORDS CENTER,  
BOSTON, MA

## TARGET SHEET

THE MATERIAL DESCRIBED BELOW  
NOT SCANNED BECAUSE:

- ☒ (X)    OVERSIZED
- ☐ ()    NON-PAPER MEDIA
- ☐ ()    OTHER

DESCRIPTION: DOC# 9185, CENTREDALE MANOR, 123 UNIT  
ELDERLY HOUSING, LAYOUT PLAN, MARCH 10, 1982.

THE OMITTED MATERIAL IS AVAILABLE FOR REVIEW  
BY APPOINTMENT  
AT THE EPA NEW ENGLAND SUPERFUND RECORDS CENTER,  
BOSTON, MA

## TARGET SHEET

THE MATERIAL DESCRIBED BELOW  
NOT SCANNED BECAUSE:

- ☒ OVERSIZED
- ☐ NON-PAPER MEDIA
- ☐ OTHER

DESCRIPTION: DOC# 9185, CENTREDALE MANOR, 123 UNIT  
ELDERLY HOUSING, EAST ELEVATION WEST ELEVATION PLAN,  
MARCH 10, 1982.

THE OMITTED MATERIAL IS AVAILABLE FOR REVIEW  
BY APPOINTMENT  
AT THE EPA NEW ENGLAND SUPERFUND RECORDS CENTER,  
BOSTON, MA

## TARGET SHEET

THE MATERIAL DESCRIBED BELOW  
NOT SCANNED BECAUSE:

- ☒ OVERSIZED
- ☐ NON-PAPER MEDIA
- ☐ OTHER

DESCRIPTION: DOC# 9185, CENTREDALE MANOR, 123 UNIT  
ELDERLY HOUSING, NORTH ELEVATION, SOUTH ELEVATION,  
BUILDING SECTIONS, WINDOW SCHEDULE DETAILS, MARCH 10, 1982.

THE OMITTED MATERIAL IS AVAILABLE FOR REVIEW  
BY APPOINTMENT  
AT THE EPA NEW ENGLAND SUPERFUND RECORDS CENTER,  
BOSTON, MA

## TARGET SHEET

THE MATERIAL DESCRIBED BELOW  
NOT SCANNED BECAUSE:

- ☒ OVERSIZED
- ☐ NON-PAPER MEDIA
- ☐ OTHER

DESCRIPTION: DOC# 9185, CENTREDALE MANOR, 123 UNIT  
ELDERLY HOUSING, UTILITY PLAN, MARCH 10, 1982.

THE OMITTED MATERIAL IS AVAILABLE FOR REVIEW  
BY APPOINTMENT  
AT THE EPA NEW ENGLAND SUPERFUND RECORDS CENTER,  
BOSTON, MA

## TARGET SHEET

THE MATERIAL DESCRIBED BELOW  
NOT SCANNED BECAUSE:

- ☒ OVERSIZED
- ☐ NON-PAPER MEDIA
- ☐ OTHER

DESCRIPTION: DOC# 9185, CENTREDALE MANOR, 123 UNIT  
ELDERLY HOUSING, SURVEY, MARCH 10, 1982.

THE OMITTED MATERIAL IS AVAILABLE FOR REVIEW  
BY APPOINTMENT  
AT THE EPA NEW ENGLAND SUPERFUND RECORDS CENTER,  
BOSTON, MA

## TARGET SHEET

THE MATERIAL DESCRIBED BELOW  
WAS NOT SCANNED BECAUSE:

- ☒ (X)    OVERSIZED
- ☐       NON-PAPER MEDIA
- ☐       OTHER:

DESCRIPTION: **DOC#10858, Construction Progress Chart,  
March 16, 1982 to March 16, 1983.**

THE OMITTED MATERIAL IS AVAILABLE FOR REVIEW  
BY APPOINTMENT  
AT THE EPA NEW ENGLAND SUPERFUND RECORDS CENTER,  
BOSTON, MA

PROJECT... Cantersdale Manor

LOCATION

N. Pros. R.I.

75 NEWMAN AVE. ZUNKORD, 2. I. 02916

DATE 2-25-82

| No. | DESCRIPTION         | CALENDAR PERIOD |     |     |      |      |     |      |     |     |     |     |     |     |
|-----|---------------------|-----------------|-----|-----|------|------|-----|------|-----|-----|-----|-----|-----|-----|
|     |                     | Mar             | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar |
| 01  | Concrete            |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 02  | Masonry             |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 03  | Plumbing            |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 04  | Roofing             |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 05  | Foundation          |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 06  | Exterior Siding     |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 07  | Exterior Topping    |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 08  | Trimming            |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 09  | Doors               |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 10  | Windows             |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 11  | Driveway            |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 12  | Tile Work           |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 13  | Acoustical          |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 14  | Fabric Tile         |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 15  | Resilient Floor     |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 16  | Painting            |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 17  | Specialty           |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 18  | Special Equip       |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 19  | Cabinets            |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 20  | Appliances          |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 21  | Lighting + Switches |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 22  | Carpets             |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 23  | Piles               |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 24  | Elevators           |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 25  | Plumbing            |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 26  | Heating             |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 27  | Fire Protect        |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 28  | Electrical          |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 29  | Earthwork           |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 30  | Utilities           |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 31  | Roads + Walks       |                 |     |     |      |      |     |      |     |     |     |     |     |     |
| 32  | Landscaping         |                 |     |     |      |      |     |      |     |     |     |     |     |     |