

M E M O

REMARKS  
11.9  
10858

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. WPL  
R.W. ✓  
P.E. ✓  
Purch \_\_\_\_\_  
Field \_\_\_\_\_  
File ✓  
Other \_\_\_\_\_

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" <u>+</u>

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" <u>+</u>

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" <u>+</u> 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 - October 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

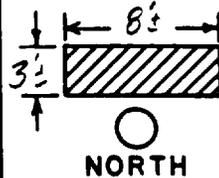
GHG:sek

# TEST PIT FIELD LOG

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

DEPTH	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDER COUNT QTY. CLASS.	REMARK No.
0	<i>BURMISTER</i> 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. 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-M		
5'				
6'	5.5±	E-M		(2)
7'	7±	E-M		
8'	--- -- -- -- APPROXIMATE BOTTOM OF TEST PIT COULD NOT SEE DUE TO RAPID GROUNDWATER SEEPAGE AND CAVING IN OF SIDEWALLS			
9'				(3)
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 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

<b>TEST PIT PLAN</b> 	<b>LEGEND:</b> <b>BOULDER COUNT</b> SIZE RANGE    LETTER DESIGNATION 6" - 18"        A 18" - 36"       B 36" AND LARGER   C	<b>PROPORTIONS USED</b> TRACE (TR.) 0 - 10% LITTLE (LI.) 10 - 20% SOME (SO) 20 - 35% AND 35 - 50%	<b>ABBREVIATIONS</b> F - FINE M - MEDIUM C - COARSE F/M - FINE TO MEDIUM F/C - FINE TO COARSE V - VERY GR - GRAY BN - BROWN YF - YELLOW	<b>EXCAVATION EFFORT</b> E - EASY M - MODERATE D - DIFFICULT GROUNDWATER ADP 000223
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# TEST PIT FIELD LOG

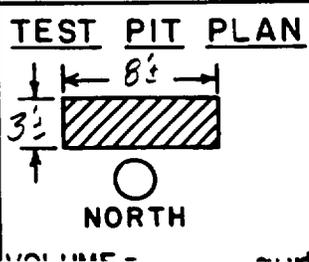
<b>GOLDBERG · ZOINO &amp; ASSOC., INC</b> GEOTECHNICAL/GEOHYDROLOGICAL CONSULTANTS	<b>PROJECT</b> DESCRIPTION <u>CENTERDALE MARINA</u> LOCATION <u>No. Prov., R.I.</u>	TEST PIT No. <u>TP-C</u> FILE No. _____ DATE <u>1/12/82</u>
--	---	---

GZA ENGINEER <u>W. KOSINSKI</u>	<b>EXCAVATION EQUIPMENT</b> CONTRACTOR <u>PEREA</u> OPERATOR _____ MAKE <u>JOHN DEERE</u> MODEL <u>JDS10</u> CAPACITY <u>1 1/2</u> CYCL REACH <u>11</u> FT.	GROUND ELEV. <u>97±</u> TIME STARTED <u>AM</u> TIME COMPLETED <u>AM</u>
WEATHER <u>CLEAR, COLD 10°-20°</u>		

DEPTH	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDER COUNT QTY. CLASS.	REMARK No.
0	<i>BURMISTER</i> 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. 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±	E-M		
8'	--- APPROXIMATE BOTTOM OF TEST PIT COULD NOT SEE DUE TO RAPID GROUNDWATER SEEPAGE AND CAVING IN OF SIDEWALLS			
9'				(3)
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 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



**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 MEDIUM
F/C - FINE TO COARSE
V - VERY
GR - GRAY
BN - BROWN
YE - YELLOW

**EXCAVATION EFFORT**

E - EASY
M - MODERATE

ADP 000224

READING G.W.L.

# TEST PIT FIELD LOG

<b>GOLDBERG · ZOINO &amp; ASSOC., INC</b> GEOTECHNICAL/GEOHYDROLOGICAL CONSULTANTS	<b>PROJECT</b> DESCRIPTION <u>CENTERDALE MARINA</u> LOCATION <u>No. Prov., R.I.</u>	TEST PIT No. <u>TP-C</u> FILE No. _____ DATE <u>1/12/82</u>
GZA ENGINEER <u>W. KOSINSKI</u> WEATHER <u>CLEAR, COLD 10°-20°</u>	<b>EXCAVATION EQUIPMENT</b> CONTRACTOR <u>PERZA</u> OPERATOR _____ MAKE <u>JOHN DEERE</u> MODEL <u>JDS10</u> CAPACITY <u>1 1/2</u> CYL. REACH _____ ft.	GROUND ELEV. <u>97 1/2</u> TIME STARTED <u>AM</u> TIME COMPLETED <u>AM</u>

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

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



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 dated 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 NUMBER</u>	<u>SPECIFIC CONDUCTIVITY μMHOS/CM</u>	<u>pH<sup>1</sup></u>	<u>VOLATILE ORGANICS<sup>2,3</sup> (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 NO.</u>	<u>SAMPLE NO.</u>	<u>DEPTH</u>	<u>VOLATILE ORGANICS<sup>2,3</sup> (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

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

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

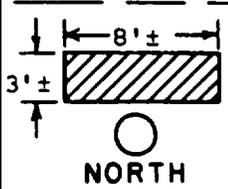
**TEST PIT No.** TP-A  
**FILE No.** P-3227  
**DATE** 1/12/82

**GZA ENGINEER** W. Kosinski      **CONTRACTOR** Pezza      **GROUND ELEV.** 97±  
**WEATHER** Clear, Cold 10°-20°      **OPERATOR** \_\_\_\_\_      **TIME STARTED** AM  
**EXCAVATION EQUIPMENT**      **MAKE** John Deere      **MODEL** JD 510      **TIME COMPLETED** AM  
**CAPACITY** 1+ **cu.yd.**      **REACH** \_\_\_\_\_ **ft.**

DEPTH	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDER COUNT QTY. CLASS.	REMARK No.
0				
1	Rubbish GRANULAR FILL Brown, dark brown, coarse to fine SAND, some coarse to fine Gravel, little Silt (non-plastic), little Rubbish, Wood, Metal, etc. - RUBBISH FILL	E		
2		E		
3	Sandy Organic SILT 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		1.
4		E		
5	∇ 5'± Sandy GRAVEL Dark brown, coarse+ to fine GRAVEL, some+ coarse to fine Sand, trace Cobbles, trace+ non-plastic Silt	E		
6		E - M		2.
7	7.0'± ----- Approximate Bottom of test pit, could not be seen due to rapid groundwater seepage and caving in of sidewalls.	E - M		3.
8				
9	Note: Oil/chemical odor in all stratas			
10	Groundwater level from seepage into pit, actual G.W.L. may be higher			
11	Cobbles > 4", < 6"			
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.

<p><b>TEST PIT PLAN</b></p>  <p style="text-align: center;">NORTH</p> <p>VOLUME = _____ cu.yd.</p>	<p><b>LEGEND:</b></p> <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 style="text-align: center;">A</td> </tr> <tr> <td>18" - 36"</td> <td style="text-align: center;">B</td> </tr> <tr> <td>36" AND LARGER</td> <td style="text-align: center;">C</td> </tr> </tbody> </table>	BOULDER COUNT	LETTER DESIGNATION	SIZE RANGE		6" - 18"	A	18" - 36"	B	36" AND LARGER	C	<p><b>PROPORTIONS USED</b></p> <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%	<p><b>ABBREVIATIONS</b></p> <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	<p><b>EXCAVATION EFFORT</b></p> <p>E — EASY</p> <p style="text-align: right;">ADP 000230</p> <p style="text-align: right;">TIME TO READING (HRS.)  G.W.L.</p>
BOULDER COUNT	LETTER DESIGNATION																														
SIZE RANGE																															
6" - 18"	A																														
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V - VERY																															
GR. - GRAY																															
BN. - BROWN																															
YEL. - YELLOW																															

# TEST PIT FIELD LOG

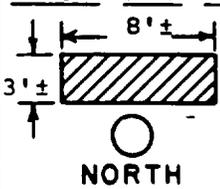
<b>GOLDBERG · ZOINO &amp; ASSOC., INC</b> GEOTECHNICAL/GEOHYDROLOGICAL CONSULTANTS	<b>PROJECT</b> DESCRIPTION <u>CENTERDALE MANOR</u> LOCATION <u>NORTH PROVIDENCE, R.I.</u>	TEST PIT No. <u>TP-B</u> FILE No. <u>P-3227</u> DATE <u>1/12/82</u>
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GZA ENGINEER <u>W. Kosinski</u> WEATHER <u>Clear, Cold 10°-20°</u>	<b>EXCAVATION EQUIPMENT</b> CONTRACTOR <u>Pezza</u> OPERATOR _____ MAKE <u>John Deere</u> MODEL <u>JD 510</u> CAPACITY <u>1±</u> cu yd. REACH _____ ft	GROUND ELEV. <u>95±</u> TIME STARTED <u>AM</u> TIME COMPLETED <u>AM</u>
---	--	---

DEPTH	SOIL DESCRIPTION	EXCAV. EFFORT	BOULDER COUNT QTY. CLASS.	REMARK No.
0	Burmister			
1'	2"-3" Brown, green, fine Sandy LOAM, grassy, Roots Sandy Dark gray, dark brown, Organic SILT and fine SAND, Or. SILT trace fine Gravel. trace Roots, Organic Silt, slightly 1.5' 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 - M		3.
5'				
6'	6'± ----- Approximate, Bottom of test pit could not be seen due to rapid groundwater seepage and caving in of sidewalls.	E - M		
7'				
8'	Note: No oil or chemical type odor			
9'	Groundwater level from seepage into pit, actual G.W.L. may be higher 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.

<b>TEST PIT PLAN</b>  VOLUME = _____ cu yd.	<b>LEGEND:</b> <b>BOULDER COUNT</b> SIZE RANGE      LETTER CLASSIFICATION DESIGNATION 6" - 18"              A 18" - 36"             B 36" AND LARGER      C	<b>PROPORTIONS USED</b> TRACE (TR.) 0 - 10% LITTLE (LI.) 10 - 20% SOME (SQ.) 20 - 35% AND            35 - 50%	<b>ABBREVIATIONS</b> F - FINE M - MEDIUM C - COARSE F/M - FINE TO F/C - FINE TO V - VERY GR. - GRAY BN. - BROWN YEL. - YELLOW  <b>EXCAVATION EFFORT</b> E - EASY M - MEDIUM ADP 000231  TIME TO READING (HRS.)  G.W.L.
--	---	---	---

# TEST PIT FIELD LOG

<b>GOLDBERG · ZOINO &amp; ASSOC., INC</b> GEOTECHNICAL/GEOHYDROLOGICAL CONSULTANTS	<b>PROJECT</b> DESCRIPTION <u>CENTERDALE MANOR</u> LOCATION <u>NORTH PROVIDENCE, R.I.</u>	TEST PIT No. <u>TP-C</u> FILE No. <u>P-3227</u> DATE <u>1/12/82</u>
--	---	---

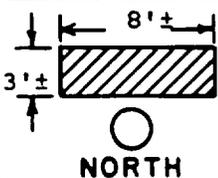
GZA ENGINEER <u>W. Kosinski</u> WEATHER <u>Clear, Cold 10°-20°</u>	<b>EXCAVATION EQUIPMENT</b> CONTRACTOR <u>Pezza</u> OPERATOR _____ MAKE <u>John Deere</u> MODEL <u>JD 510</u> CAPACITY <u>1±</u> cu.yd. REACH <u>ft</u>	GROUND ELEV. <u>97±</u> TIME STARTED <u>AM</u> TIME COMPLETED <u>AM</u>
---	---	---

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

**REMARKS:**

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

### TEST PIT PLAN



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

### LEGEND:

BOULDER COUNT	
SIZE RANGE CLASSIFICATION	LETTER DESIGNATION
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

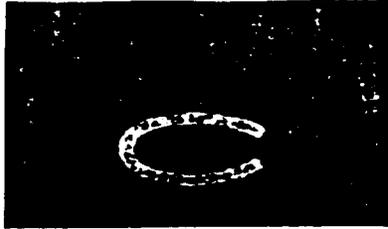
F - FINE
M - MEDIUM
C - COARSE
F/M - FINE TO MEDIUM
F/C - FINE TO COARSE
V - VERY
GR - GRAY
BN - BROWN
YEL - YELLOW

### EXCAVATION EFFORT

E - EASY
M - MODERATE
D - DIFFICULT
----- UNWATERED

ADP 000232

(HRS.)



# MARSHALL CONTRACTORS, INC.

## JOB MEETING MINUTES

Job: Centerdale Manor

Date: February 1, 1982

### Attended By:

John P. Leo

Alan R. Brodd

Gerry Graf

Bill Greig

Mike Powers

Bud Hodess

William R. Lund

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

State of R. I.

Robinson Green & Beretta

Robinson Green & Beretta

Goldberg/Zoino & Associates

HOMAR

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 ✓



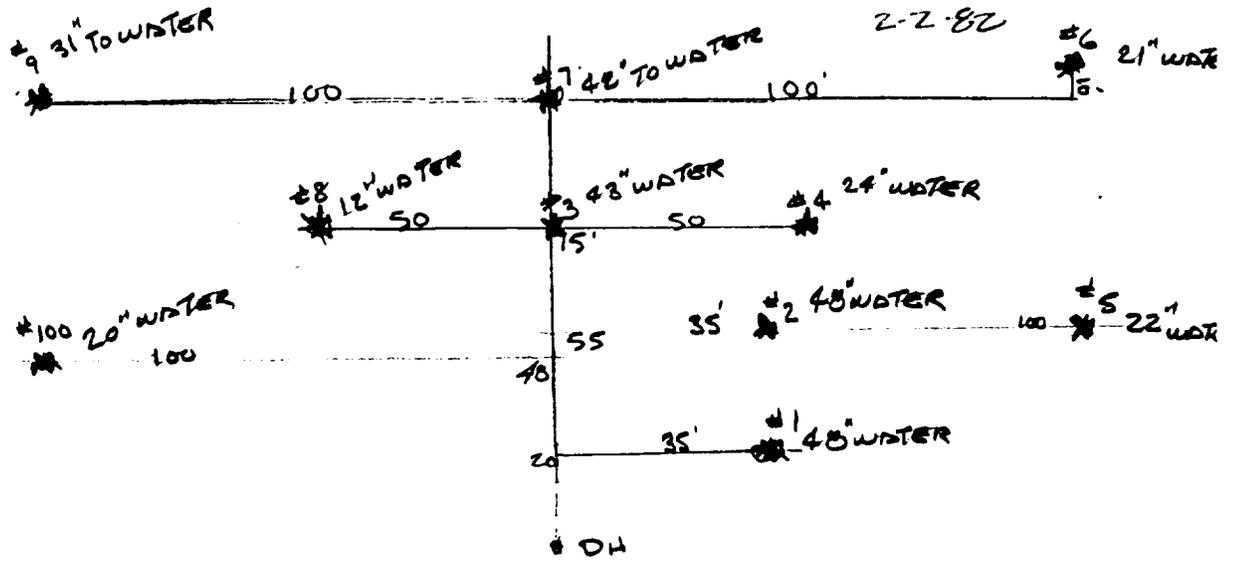
STATE OF RHODE ISLAND  
DEPT. OF ENVIRONMENTAL MANAGE  
DIVISION OF AIR AND HAZARDOUS MATERIALS

JOHN P. LEO  
ENGINEER

204 CANNON BUILDING  
75 DAVIS STREET  
PROVIDENCE, RI 02908

(401) 277-2797

ADP 000235



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 SEPERATE SAMPLES IN JARS.

JOHN LEO FROM STATE TREM. 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 BARRELS, TELL THEM TO CALL JOHN



# CREDIT MEMO

ORDERED

MARSHALL CONTRACTORS INC.

75 NEWMAN AVENUE  
RUMFORD, R. I. 02918  
(601) 883-5000

TRUCK DRIVER

DATE

DESCRIPTION

TOTAL QUANTITY

UNIT PRICE

DESCRIPTION	TOTAL QUANTITY	UNIT PRICE	
1. [Handwritten description]			
2. [Handwritten description]			
3. [Handwritten description]			
4. [Handwritten description]			
5. [Handwritten description]			
6. [Handwritten description]			
7. [Handwritten description]			
8. [Handwritten description]			
9. [Handwritten description]			
10. [Handwritten description]			
11. [Handwritten description]			
12. [Handwritten description]			
13. [Handwritten description]			
14. [Handwritten description]			
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36. [Handwritten description]			
37. [Handwritten description]			
38. [Handwritten description]			
39. [Handwritten description]			
40. [Handwritten description]			
41. [Handwritten description]			
42. [Handwritten description]			
43. [Handwritten description]			
44. [Handwritten description]			
45. [Handwritten description]			
46. [Handwritten description]			
47. [Handwritten description]			
48. [Handwritten description]			
49. [Handwritten description]			
50. [Handwritten description]			

VID

Canterdale

2-1-82

66. W6, MP  
Bth WPC

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! [Silvestri] - rake off  
Debris.

Barrels w/ residue set aside  
Just Metal crush.

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 Miller 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

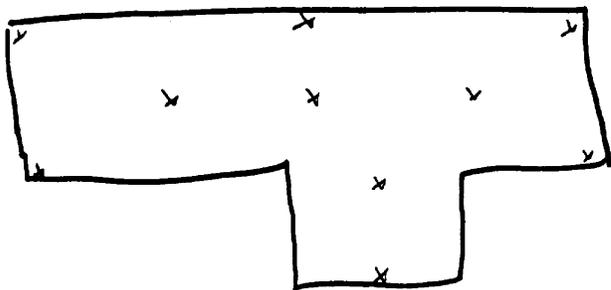
Segregate into 3 Groups - Chain Link Fence

Empty

Questionable

Possible

Stake Out locations. - 10



Wheel Barrel

---

Plans - for Wed.

Fire Pump?

Grant Hill

2-1'82

Tower 75% +  
Family - Monday 75%

Specs - both

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 BEMBIN

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

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

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

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.)



# 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:

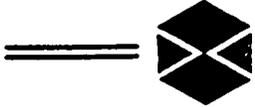
Present on site were Guild Driller, Paul Brescia and helper, and Tony DeFelice, a representative of Marshall Contractors, Inc. Mr. DeFelice requested that a copy of this field summary as well as results of the chemical analyses be sent to Bill Lund of Marshall Contractors, Inc.

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 DATE RECEIVED 1/27/82  
293 South Main Street DATE REPORTED 2/2/82  
Providence, RI 02903 PURCHASE ORDER NO. \_\_\_\_\_  
Attn: Mr. Michael Powers 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- GEO-HYDROLOGICAL 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.

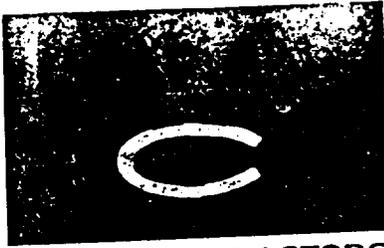
For these reasons we recommend payment at your earliest possible convenience. Should you have any questions, do not hesitate to call me.

Very truly yours,

Michael A. Powers  
Associate

MAP:mrp  
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

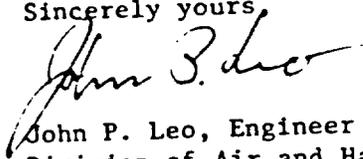
Dear Sir:

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:

<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 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.

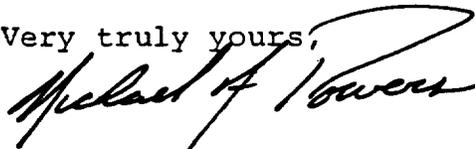
#### Analytical Testing

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.

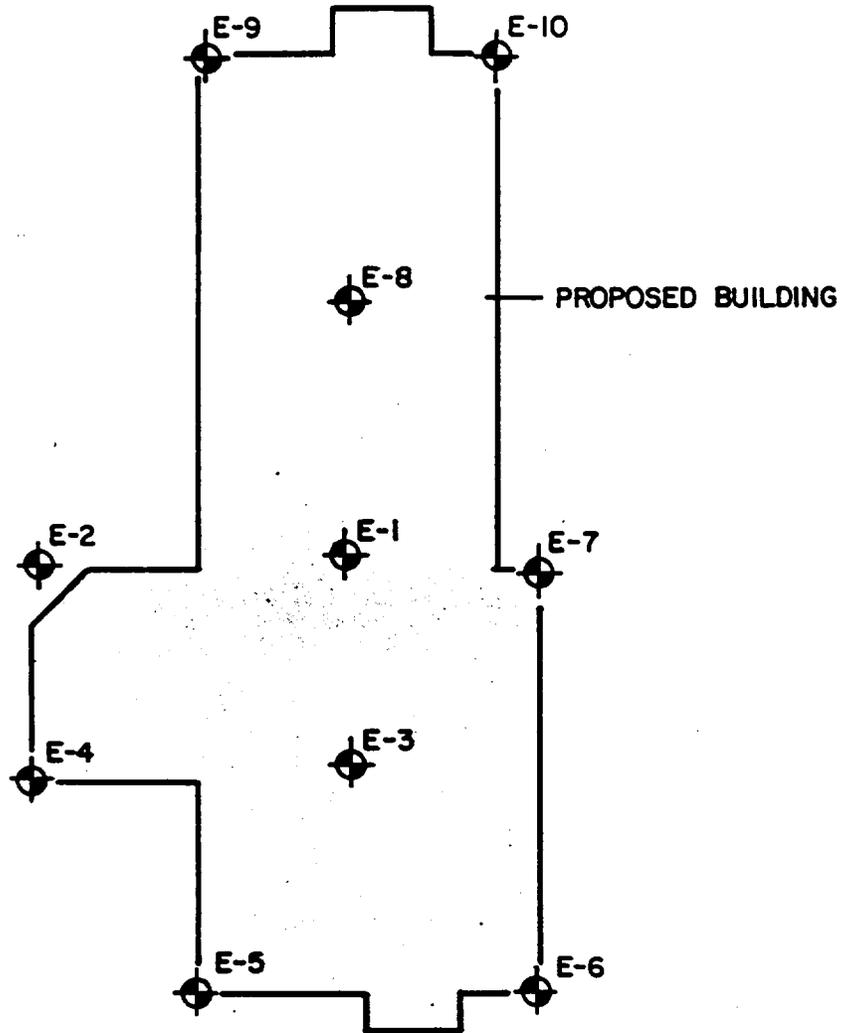
Very truly yours,



Michael A. Powers  
Associate

MAP:mrbr  
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> GEOTECHNICAL/GEOHYDROLOGICAL CONSULTANTS	<b>PROJECT</b> <u>CENTERDALE MANOR</u> <u>CENTERDALE, RHODE ISLAND</u>	REPORT OF BORING NO. <u>5-4</u> SHEET <u>1</u> OF <u>1</u> DATE <u>2/2/82</u> FILE <u>P-3227</u>
---	--	--

BORING CO. <u>Guild Drilling Company</u> FOREMAN <u>D. Serowik</u> G-Z-A ENGINEER <u>S. Hanna</u>	BORING LOCATION <u>See Location Plan</u> GROUND ELEV. _____ 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: _____ HAMMER: _____ lb. HAMMER <u>140</u> lb. FALL: _____ FALL: <u>30"</u>		DATE	DEPTH	CASING AT	STABILIZATION TIME
		2/2	4.8'	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	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' Dark brown, fine to coarse GRAVEL and SAND, trace+ Silt, trace Organics (Wood)	
		S-2	24/6	2-4	13-3-4-2			
5						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 BORING LOCATION See Location Plan  
 FOREMAN S. Serowik GROUND ELEV. \_\_\_\_\_  
 G-Z-A ENGINEER S. Hanna DATE START 2/2/82 DATE END 2/2/82

CASING		SAMPLER		GROUNDWATER READINGS			
SIZE:	HAMMER:	TYPE:	HAMMER:	DATE	DEPTH	CASING AT	STABILIZATION TIME
none (auger)	lb.	Split Spoon	140 lb.	2/2	4.3'	out	completion
FALL: _____		FALL: _____	30"				

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, some Silt, trace Organics, Wood, coarse Sand	
		S-2	24/6	2-4	7-4-6-3			
5						4.0'	Bottom of Boring at 4.0' (required depth)	

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.

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

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

<b>CASING</b> SIZE: <u>none (auger)</u> TYPE: <u>Split Spoon</u> OTHER: _____ HAMMER: _____ lb. HAMMER <u>140</u> lb. FALL: _____ FALL: <u>30"</u>	<b>SAMPLER</b>	<b>GROUNDWATER READINGS</b>																
		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>DEPTH</th> <th>CASING AT</th> <th>STABILIZATION TIME</th> </tr> </thead> <tbody> <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> </tbody> </table>	DATE	DEPTH	CASING AT	STABILIZATION TIME	2/2	2.4'	out	completion								
DATE	DEPTH	CASING AT	STABILIZATION TIME															
2/2	2.4'	out	completion															

DEPTH	CAS. BL /FT.	SAMPLE				STRATA CHG. PUB. GEN. DESC.	SAMPLE DESCRIPTION CLASSIFICATION	NOTE
		NO.	PEN./REC.	DEPTH	BLOWS/6"			
2.5		S-1		0-2	auger sample	FILL	Brown-gray, fine to coarse SAND, some+ Silt, trace Organics	
		S-2	24/12	2-4	1-2-11-22			
5						4.0'	Bottom of Boring at 4.0' (required depth)	

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.

<b>GOLDBERG · ZOINO &amp; ASSOC., INC.</b> GEOTECHNICAL/GEOHYDROLOGICAL CONSULTANTS	<b>PROJECT</b> CENTERDALE MANOR CENTERDALE, RHODE ISLAND	REPORT OF BORING NO. <u>E-5</u> SHEET <u>1</u> OF <u>1</u> DATE <u>2/2/82</u> FILE <u>P-3227</u>
---	--	--

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

<b>CASING</b> SIZE: <u>none (auger)</u> HAMMER: _____ lb. FALL: _____	<b>SAMPLER</b> TYPE: <u>Split Spoon</u> OTHER: _____ HAMMER: <u>140</u> lb. FALL: <u>30"</u>	<b>GROUNDWATER READINGS</b>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>DEPTH</th> <th>CASING AT</th> <th>STABILIZATION TIME</th> </tr> </thead> <tbody> <tr> <td>2/2</td> <td>2.2"</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> </tbody> </table>	DATE	DEPTH	CASING AT	STABILIZATION TIME	2/2	2.2"	out	completion								
DATE	DEPTH	CASING AT	STABILIZATION TIME																
2/2	2.2"	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	Brown, fine to medium SAND, little Silt, changing to black, moist, fine to coarse SAND, trace+ Silt, trace Organics at ~1.5'	
		S-2	24/5	2-4	2-1-2-15			
5						4.0'	Bottom of Boring at 4.0' (required depth)	

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 BORING LOCATION See Location Plan  
 FOREMAN D. Serowik GROUND ELEV. \_\_\_\_\_  
 G-Z-A ENGINEER S. Hanna 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				STRATA CHG. and GEN. DESC.	SAMPLE DESCRIPTION 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	
		S-2	24/10	2-4	12-6-24-70			
5						4.0'	Bottom of Boring at 4.0' (required depth)	

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.



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

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	12"	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	Dark brown-black, fine to medium SAND, some Silt, trace Organics, trace gray powdery material (mortar?) Gray, fine to medium SAND and SILT at ~1.5' in second hole Brown-gray, fine to coarse SAND, little Silt	1
		S-2	24/4	2-4	2-2-3-2			
5						4.0'	Bottom of Boring at 4.0' (required depth)	

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.



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

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

<b>CASING</b> SIZE: <u>none (auger)</u> HAMMER: _____ lb. FALL: _____	<b>SAMPLER</b> TYPE: <u>Split Spoon</u> OTHER: _____ HAMMER <u>140</u> lb. FALL: <u>30"</u>	<b>GROUNDWATER READINGS</b>																				
		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>DEPTH</th> <th>CASING AT</th> <th>STABILIZATION TIME</th> </tr> </thead> <tbody> <tr> <td>2/2</td> <td>20"</td> <td>out</td> <td>completion</td> </tr> <tr> <td>2/2</td> <td>18"</td> <td>out</td> <td>5 minutes</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	DATE	DEPTH	CASING AT	STABILIZATION TIME	2/2	20"	out	completion	2/2	18"	out	5 minutes								
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 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'	
		S-2	24/10	2-4	3-2-6-24			
5						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 DATE RECEIVED 2/2/82  
293 South Main Street DATE REPORTED 2/10/82  
Providence, RI 02903 PURCHASE ORDER NO. P-3227  
Attn: Mr. Michael Powers 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 SUMMARY

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

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 <i>Centerdale Manor</i>		PROJECT NO. <i>2629</i>		CONTRACTOR <i>Marshall Cont's</i>		
DATE <i>2/22/82</i>	ARRIVAL TIME <i>9:30 - 10:00</i> <i>11:30 - 12:00</i>	DEPARTURE TIME <i>1:00 - 2:00</i>	WEATHER <i>cloudy</i>	TEMP. <i>30's</i>	% SCHEDULED	% COMPLETE
WORK IN PROGRESS <i>Stock piling chemical drums</i> <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

*WLL*

JOB: CEUTERDALE MANDR Weather \_\_\_\_\_ A.M. \_\_\_\_\_ P.M.

Date: 2/22/82

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

Report By: MR. [Signature]

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

F	J	A	Trades/Sub	Name	Work Performed
1			Supt.	<u>MCI</u>	
1	1		Engineers	<u>MCI</u>	
			Carpenters		
			Laborers		
1	5		Site	<u>PEZZA</u>	<u>REMOVE 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>INSPECT BARRELS</u>
1	3			<u>CITY FENCE</u>	<u>BUILD ENCLOSURE</u>

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



# MARSHALL CONTRACTORS, INC.

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

Job No. 120

## DAILY JOB REPORT

*W*

JOB: CENTERDALG MAWR Weather \_\_\_\_\_ A.M. \_\_\_\_\_ P.M.

Date: 2/24/82

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

Report By: [Signature]

Visitors: W. LUND, 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>REMOUG 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 INSP</u>

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

ADP 000282

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 <i>Centredale Manor</i>			PROJECT NO. <i>2629</i>	CONTRACTOR <i>Marshall Contr's</i>		
DATE <i>2/25/82</i>	ARRIVAL TIME <i>10:00</i>	DEPARTURE TIME <i>10:45</i>	WEATHER <i>cloudy</i>	TEMP. <i>Mid 20's</i>	% SCHEDULED	% COMPLETE
WORK IN PROGRESS <i>Piling steel drums</i>				WORK COMPLETED		
				WORK DELAYS		

OBSERVATIONS

*Workers wearing protective clothing & face masks  
Drums w/ residue or questionable material being stored in secure area  
Empty drums being stock-piled & crushed.  
Off-site trucking may begin tomorrow.*

ITEMS TO VERIFY

*Disposal of drums to approved/certified landfill  
John Leo - PERM will call selected landfill operator (up to Marshall)  
to clear dumping  
John Leo - phone call - excellent job being done*

INFORMATION OR ACTION REQUIRED

*r*

LABOR FORCE

ADP 000283

VISITORS

SIGNED

*Richard A. Gray P.E.*

OBSERVER





# 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.

Date: 2/26/82

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

Report By: MR [Signature]

Visitors: J. LEO

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

Inv. No.	Materials recv'd.	Name/Number
	PROU. JOURNAL REPORTER	Inspectors:
	TOOK PICTURES + INTERVIEWED	Backcharges:
	J. GREENE	Extras:
		T&M:
		Subs EWO:

## 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 could have been a scene from Love Canal, the notorious hazardous waste dump, when men in space-age white suits, masks and gloves dutifully and gingerly handling 250 gal- lon rusted steel barrels at a site in North Providence, not far from Niagara Falls, N.Y., where technicians last week were meticulously probing an old barrel burial ground along the Woonasquicket River in preparation for construction of a housing complex for the elderly.

Their task was to determine if the buried barrels contained hazardous materials. The barrels were dug up in a haphazard fashion, and the men in space-age suits, masks and gloves were meticulously probing them for hazardous materials. The barrels were dug up in a haphazard fashion, and the men in space-age suits, masks and gloves were meticulously probing them for hazardous materials.

ACCORDING TO Alan R. Brodd, an engineer for the state Department of Environmental Management, the 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.



ADP 000267

# 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, in industry inevitably left its mark on this empty lot. Now overgrown with weeds, turned brown and lifeless in the dead of winter. Next door is Brook Village, another public housing project which was built in the 1970s from similar rubble. Years ago, North Providence officials say, the site was home of 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. The dye, 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-united men arrived on the job about a week ago, their hurried appearance startled some North Providence residents who had not been notified of the dumping project. Some brought the men to a Tuesday morning meeting to discuss a town ordinance that they were drafting. The kind of scum, he 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 & Zoino, laboratory analysis has 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-painted ones will be on standby as excavation proceeds, he said.

CENTRAL 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.

Castmir Kolaski, a spokesman for the federal Department of Housing and Urban Development, which last year approved a \$757,189 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: CENTRODRE MANOR Weather Cir A.M. 6:00 P.M.

Date: 3-1-82  
*WPR*

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

Report By: DW GEORGE

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

F	J	A	Trades/Sub	Name	Work Performed
			Supt.		
			Engineers		
			Carpenters		
			Laborers		
			Site	<u>FEZZA</u>	<u>1 PAYLOADER, 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 @ SITE</u>
			Electric		<u>CHANNEL 6 - TV FILMED @ DEM PARTY</u>
			Others:		

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

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 <i>Centredale Manor</i>		PROJECT NO. <i>2021</i>	CONTRACTOR <i>Marshall Contr's</i>		
DATE <i>9-1-82</i>	ARRIVAL TIME <i>9:00</i>	DEPARTURE TIME <i>10:00</i>	WEATHER <i>cloudy</i>	TEMP. <i>30's</i>	% SCHEDULED
WORK IN PROGRESS <i>loading barrels from crushing pile</i>				WORK COMPLETED	
				WORK DELAYS	

OBSERVATIONS

*D.E.M. inspecting barrels within secured area  
D.E.M. recommends obtaining 8-12 overpacks*

ITEMS TO VERIFY

INFORMATION OR ACTION REQUIRED

RECEIVED BY THE R&B CORP.  
 RAD  JAB \_\_\_\_\_ GJJ \_\_\_\_\_  
 JRB \_\_\_\_\_ DMN \_\_\_\_\_ GHG \_\_\_\_\_  
 ACTION BY \_\_\_\_\_

**MAR 03 1982**

LABOR FORCE

TRZ \_\_\_\_\_ WG \_\_\_\_\_ RJF \_\_\_\_\_  
 JRC \_\_\_\_\_ WKA \_\_\_\_\_ GEM \_\_\_\_\_  
 MS \_\_\_\_\_ RMS \_\_\_\_\_ JEB \_\_\_\_\_  
 JTN \_\_\_\_\_ RJG \_\_\_\_\_ KRW \_\_\_\_\_

ADP 000290

VISITORS

*John Leo } DEM  
Allen Brodd }*

SIGNED

*Richard H. Young P.E.*  
OBSERVER

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 <i>Centredale Manor</i>		PROJECT NO.	CONTRACTOR <i>Marshall Cont'rs</i>			
DATE <i>3/5/82</i>	ARRIVAL TIME <i>8:45</i>	DEPARTURE TIME <i>9:00</i>	WEATHER <i>drizzle</i>	TEMP. <i>46°</i>	% SCHEDULED	% COMPLETE
WORK IN PROGRESS <i>None</i>			WORK COMPLETED			
			WORK DELAYS			

OBSERVATIONS  
*Areas being staked*  
*Barrel removal finished*  
*Some barrels in secured area awaiting classification*

ITEMS TO VERIFY

INFORMATION OR ACTION REQUIRED

LABOR FORCE <i>Front end loader &amp; backhoe on site</i>	RECEIVED BY THE RGB CORP.					
	RAD <i>A</i>	JAB	GJJ	JRB	DMN	GHG
	ACTION BY					
	MAR 08 1982					
	TRZ	WG	RJP	JRC	WKA	GEM
	MS	HMS	JEB	JTN	RJG	KRW

VISITORS

ADP 000291

SIGNED *Richard H. [Signature]* PE  
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

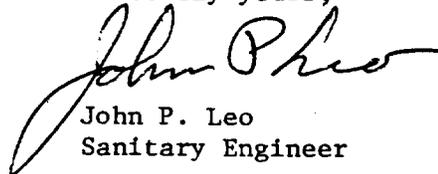
Dear Mr. Lund:

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.

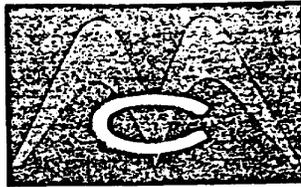
If you have any further questions concerning this matter, please feel free to contact me at 277-2797.

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

JOB  
Centerdale Manor  
North Providence, RI

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

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.

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

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		<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



MARSHALL COI  
75 Newman Avenue, Ft  
401 -

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

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 (including fringe 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- able on request
i) Expert Testimony and Special Consulting Services of 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 \_\_\_\_\_ ADP 000298  
DATE \_\_\_\_\_

# 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 <u>March 25, 1982</u> VENDOR <u>401/421-4140</u> <u>Goldberg-Zoino &amp; Associates, Inc.</u> <u>255 South Main Street</u> <u>Providence, RI</u>	JOB <u>Centerdale Manor</u> <u>North Providence, RI</u>
---	---

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.

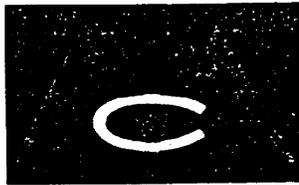
FORM 100-3 79

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 key  
Centerdale Site letter  
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

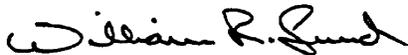
MARSHALL CONTRACTORS, INC.

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.

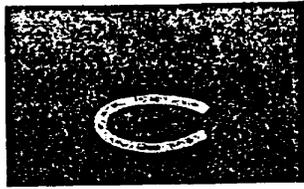


William R. Lund  
Project Manager

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

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

# CHANGE ORDER

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

402 231-6014

Number 2

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

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

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
<hr/>	
	80 loads

*Amendment by \$5000 Max*

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 $\phi$		\$ 2,300.00
DATE March 26, 1982	<del>PREVIOUS CONTRACT</del>	TO BE ADDED
AUTHORIZED SIGNATURE (CONTRACTOR) <i>Edward A. Pezza V.P.</i>	<del>XX REVISED CONTRACT</del>	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:mrp

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

DISTRIBUTION

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





# 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 R.I.A.L. INV NO 6140  
SAMPLE DESCRIPTION Samples from Centerdale Manor, N. Prov., RI

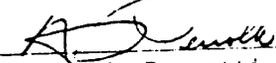
Per your request, subject samples have been analyzed by our laboratory with the following results:

<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
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 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;	
	All compounds	N.D.
Composite 62A & 62B	Flash Point	>140°F
	Volatile Organics;	
	toluene	196 ppm
	all other compounds	N.D.
Composite 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 55 & 56	Flash Point (sam. #55)	72°F
	Flash Point (sam. #56)	82°F
Composite 63,66,67,68	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
	ethyl benzene	7,100 ppm
all other compounds	N.D.	
Composite 25,31,36,50 53,58 & 60	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
all other compounds	N.D.	

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 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  
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   
 For correction & resubmission   
 Disapproved   
 For your information & use   
 For your price

We are sending herewith   
 under separate cover

- 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

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

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

CUBIC YDS.			
BAND	Remove	Barrels	
GRAVEL	From	Company	
SUB-SOIL			
LOAM			
FILL			
STONES			
HOURS	97K		
SHOVEL DOZER	70-	350	00
TRAILER			
BACK HOE			
TRUCKS	2 35	280	00
LABOR	20-	90	00
SALES TAX		125	00
TOTAL		845	00

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 CANT  
Address: CENTERDALE

CUBIC YDS.			
BAND	Move	Barrels	
GRAVEL	Compound		
SUB-SOIL	Found	IN	
LOAM	Roadway	Below	
FILL			
STONES			
HOURS			
SHOVEL DOZER			
TRAILER			
BACK HOE	255-	275	00
TRUCKS	2 35	175	00
LABOR	25RMAN	175	00
SALES TAX		125	00
TOTAL		575	00

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

CUBIC YDS.			
BAND	Move	Barrels	
GRAVEL	Found	IN	
SUB-SOIL	Roadway	Below	
LOAM			
FILL			
STONES			
HOURS			
SHOVEL DOZER			
TRAILER			
BACK HOE	2 55-	440	00
TRUCKS	2 35	280	00
LABOR	25RMAN	200	00
SALES TAX		1920	00
TOTAL		1920	00

Not Responsible For Any Damage  
No 6177

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 CANT  
Address: CENTERDALE

**C. PEZZA & SON, Inc.**

Sand, Gravel and Excavating  
 90 PUTNAM AVENUE JOHNSTON, R. I.  
 Telephones 231-6014 - 231-6015

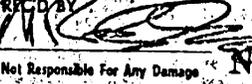
DATE 4-20-82

M. MARSHALL CONT

Address: CENTERDALE

CUBIC YDS.

	BAND	Remove	Barrels
	GRAVEL	FRom	company
	SUB-SOIL		
	LOAM	T-Sil	Waste
	FILL		
	STONES		
HOURS	97M		
5	SHOVEL DOZER	70"	350 <sup>00</sup>
	TRAILER		
	BACK HOE		
1/2	TRUCKS	@ 35	280 <sup>09</sup>
1/2	LABOR	@ 20	90 <sup>09</sup>
5	PERMANENT SALES TAX		125 <sup>09</sup>
	TOTAL		845 <sup>00</sup>

REC'D BY  No 6184

Not Responsible For Any Damage

**C. PEZZA & SON, Inc.**

Sand, Gravel and Excavating  
 90 PUTNAM AVENUE JOHNSTON, R. I.  
 Telephones 231-6014 - 231-6015

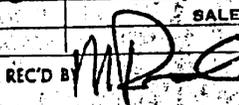
DATE 4-5-82

M. MARSHALL CONT

Address: CENTERDALE

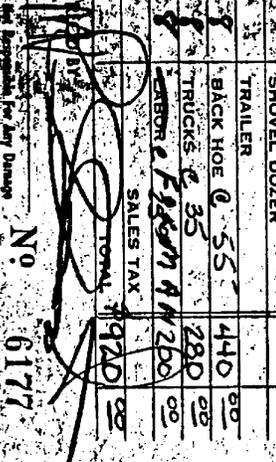
CUBIC YDS. MOVE BARRELS TO

	BAND	Compound	
	GRAVEL	FOUND	IN
	SUB-SOIL	ROADWAY	Below
	LOAM	GRADE	
	FILL		
	STONES		
HOURS			
	SHOVEL DOZER		
	TRAILER		
5	BACK HOE	@ 55	275 <sup>09</sup>
5	TRUCKS	@ 35	175 <sup>09</sup>
5	LABOR	@ PERMANENT	125 <sup>09</sup>
	SALES TAX		
	TOTAL		575 <sup>09</sup>

REC'D BY  No 6176

Not Responsible For Any Damage

	BAND	Move	BARRELS
	GRAVEL	to	Compound
	SUB-SOIL	FOUND	IN
	LOAM	ROADWAY	Below
	FILL		
	STONES		
HOURS			
	SHOVEL DOZER		
	TRAILER		
1	BACK HOE	@ 55	440 <sup>09</sup>
1	TRUCKS	@ 35	280 <sup>09</sup>
1	LABOR	@ PERMANENT	125 <sup>09</sup>
	SALES TAX		
	TOTAL		845 <sup>09</sup>

REC'D BY  No 6177

Not Responsible For Any Damage

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

**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 438-3500	DATE April 23, 1982
JOB NAME/LOCATION Centerdale Manor	
North Providence, Rhode Island	
JOB NUMBER 120	JOB PHONE -----
EXISTING CONTRACT NO. 120-5	DATE OF EXISTING CONTRACT 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
		<u>\$2,340.00</u>

*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	<del>PREVIOUS CONTRACT AMOUNT</del>	<del>TO BE ADDED TO</del>
AUTHORIZED SIGNATURE (CONTRACTOR) <i>Demetrius C. Pezza</i>	<del>REVISION CONTRACT TOTAL</del>	<del>CONTRACT</del>

**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 \_\_\_\_\_ ADP 000314  
 Signature \_\_\_\_\_ (OK)

# CHANGE ORDER

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

Number #4

(401) 231-6014

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

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

*WR  
see Amendment #2*

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

TOTAL ::::::: \$633.00

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  \$ 633.00

DATE April 23, 1982

~~PREVIOUS CONTRACT AMOUNTS~~ TO BE PAID  
~~REVISED CONTRACT TOTALS~~ UNDER AMMENDM  
 NUMBER 2

AUTHORIZED SIGNATURE (CONTRACTOR)  
*Lemuel A. Pezza VP*

**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

e

25.00 =

\$ 150.00 \*

Firm CEARDA BALE



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

DATE 4/29/82

CUSTOMER C. Lopez

TYPE OF SALE: LANDFILL  SLUDGE  OTHER

TRUCK TYPE Drop Box

TRUCK NO. 016

GROSS WEIGHT

TARE No. Ho

NET WEIGHT Job

DRIVER SIGNATURE Eldred

RECEIVED BY [Signature]

CASH  AMOUNT

PREPAID  AMOUNT

CHARGE  AMOUNT [Signature]

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 Edwards

TYPE OF SERVICE  LANDFILL  REUSE  OTHER

TRUCK TYPE Deer

TRUCK NO. 1

GROSS WEIGHT No Hw

TARE Edwards

NET WEIGHT

DRIVER SIGNATURE [Signature]

RECEIVED BY [Signature]

CASH  AMOUNT

PRE-PAID  AMOUNT

CHARGE  AMOUNT

BILLING COMPUTATION

POSTED

A 58307

COPY 2

LANDFILL RECEIPT FORM



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

CUSTOMER: *C. Pappas* *4/20/80*

TYPE OF SALE: LANDFILL  SALE  OTHER

TRUCK TYPE: *Dump*

TRUCK NO: *1000*

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

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

DRIVER SIGNATURE: *[Signature]*

RECEIVED BY: *[Signature]*

CASH  AMOUNT: \_\_\_\_\_

PRE-PAID  AMOUNT: \_\_\_\_\_

CHARGE  AMOUNT: \_\_\_\_\_

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

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

A 58335

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 C. Payne  
 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

COPY 2

DATAFOLD FORMS



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

CUSTOMER: *O. Puga* *4/20/92*

TYPE OF WASTE: LANDFILL  SLUDGE  OTHER

TRUCK TYPE: \_\_\_\_\_

TRUCK NO: \_\_\_\_\_

GROSS: *Dump*

TAX: \_\_\_\_\_

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

DRIVER SIGNATURE: *[Signature]*

RECEIVED BY: *[Signature]*

CASH  AMOUNT: \_\_\_\_\_

PRE PAID  AMOUNT: \_\_\_\_\_

CHARGE  AMOUNT: \_\_\_\_\_

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

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

**A 58426**

COPY 2

LANDFILL RECEIPT FORM

ADP 000321



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION

# CENTRAL LANDFILL

SHUN PIKE

JOHNSTON, RHODE ISLAND 02919

TEL 401-942-1430

DATE 4/20/82

CUSTOMER C. Lopez

TYPE OF SALE: LANDFILL  REUSE  SALE  OTHER

TRUCK TYPE 10 Wheel

TRUCK NO. \_\_\_\_\_

GROSS \_\_\_\_\_

TARE \_\_\_\_\_

NET \_\_\_\_\_

DRIVER SIGNATURE [Signature]

RECEIVED BY [Signature]

CASH AMOUNT \_\_\_\_\_

PRE-PAID AMOUNT \_\_\_\_\_

CHARGE AMOUNT \_\_\_\_\_

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

POSTED \_\_\_\_\_

A 58456

LANDFILL RECEIPT FORM

COPT 2

LANDFILL FORM

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 92  
 TYPE OF SALE: LANDFILL  SLUDGE  OTHER   
 TRUCK TYPE: #18  
 TRUCK NO.: \_\_\_\_\_  
 GROSS: Deep  
 TARE: \_\_\_\_\_  
 NET: \_\_\_\_\_  
 DRIVER SIGNATURE: [Signature]  
 RECEIVED BY: [Signature]  
 CASH  AMOUNT: \_\_\_\_\_  
 PRE-PAID  AMOUNT: \_\_\_\_\_  
 CHARGE  AMOUNT: \_\_\_\_\_  
 BILLING COMPUTATION: \_\_\_\_\_  
 POSTED: \_\_\_\_\_

[Handwritten initials]

**A 55036**  
 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 APR 1 19 82

CUSTOMER C. P. [unclear]

TYPE OF SALE: LANDFILL  SLUDGE  OTHER

TRUCK TYPE: #22

TRUCK NO: [unclear]

GROSS: 2100

TARE: 1000

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

DRIVER SIGNATURE: [Signature]

RECEIVED BY: [Signature]

CASH  AMOUNT: \_\_\_\_\_

PRE-PAID  AMOUNT: \_\_\_\_\_

CHARGE  AMOUNT: [Signature]

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

POSTED \_\_\_\_\_

**A 55037**  
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 April 19 82

CUSTOMER C. Perry

TYPE OF SALE: LANDFILL  SLUDGE  OTHER

TRUCK TYPE: # 33

TRUCK NO: 211

GROSS: 211

TARE: 100

NET: 111

DRIVER SIGNATURE: [Signature]

RECEIVED BY: [Signature]

CASH  AMOUNT: \_\_\_\_\_

PRE-PAID  AMOUNT: \_\_\_\_\_

CHARGE  AMOUNT: 111

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

DATE 4/11 1992  
CUSTOMER C. Payne

TYPE OF SALE: LANDFILL  SLUDGE  OTHER

TRUCK TYPE: 19 411

TRUCK NO: Slup

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. Perry

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

[Signature]

COPY 2

DATAFOLD FORMS



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 wheels dump  
 TRUCK NO: # 22  
 GROSS: \_\_\_\_\_  
 TARE: \_\_\_\_\_ No Res  
 NET: \_\_\_\_\_  
 DRIVER SIGNATURE: \_\_\_\_\_  
 RECEIVED BY: \_\_\_\_\_  
 CASH  AMOUNT: \_\_\_\_\_  
 PRE-PAID  AMOUNT: \_\_\_\_\_  
 CHARGE  AMOUNT: \_\_\_\_\_  
 BILLING COMPUTATION: \_\_\_\_\_  
 POSTED: \_\_\_\_\_

**A 55064**  
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 4/1/82 1982

CUSTOMER C. Pezza

TYPE OF SALE: LANDFILL  SUDGE  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 Pizza

TYPE OF SALE: LANDFILL  SLUDGE  OTHER

TRUCK TYPE: Dump

TRUCK NO: 18

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

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

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

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

RECEIVED BY: B. B. Brown

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 11 Apr 19 82

CUSTOMER Pezza

TYPE OF SALE: LANDFILL  SLUDGE  OTHER

TRUCK TYPE: Dump

TRUCK NO: 22

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

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

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

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

RECEIVED BY: [Signature]

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: [Signature]

RECEIVED BY: [Signature]

CASH  AMOUNT: \_\_\_\_\_

PRE-PAID  AMOUNT: \_\_\_\_\_

CHARGE  AMOUNT: \_\_\_\_\_

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

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

**A 55102**  
LANDFILL RECEIPT FORM

COPY 2

DATAFOLD FORMS

ADP 000333



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

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 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. Barrow

CASH  AMOUNT: \_\_\_\_\_

PRE-PAID  AMOUNT: \_\_\_\_\_

CHARGE  AMOUNT: 1000.00

BILLING COMPUTATION: 1000.00

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

**A 55139**

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 1982

CUSTOMER Pizza

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

DATE APR 1 1982

CUSTOMER C. Puyod

TYPE OF SALE: LANDFILL  SLUDGE  OTHER

TRUCK TYPE #22

TRUCK NO. DEEP

GROSS 1000

TARE \_\_\_\_\_

NET \_\_\_\_\_

DRIVER SIGNATURE [Signature]

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

CASH  AMOUNT: \_\_\_\_\_

PRE-PAID  AMOUNT: \_\_\_\_\_

CHARGE  AMOUNT: [Signature]

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

POSTED \_\_\_\_\_

**A 55195**  
LANDFILL RECEIPT FORM

COPY 2

DATAFOLD FORMS

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25.00 \*

FROM CENTRAORLE



RHODE ISLAND  
SOLID WASTE MANAGEMENT CORPORATION

**CENTRAL LANDFILL**

SHUN PIKE

JOHNSTON, RHODE ISLAND 02819

TEL. 401-942-1400

DATE: 3/31/82

CUSTOMER: Pizza

TYPE OF SALE: LANDFILL  SLUDGE  OTHER

TRUCK TYPE: Dump

TRUCK NO: 18

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

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

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

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

RECEIVED BY: [Signature]

CASH  AMOUNT: \_\_\_\_\_

PRE-PAID  AMOUNT: \_\_\_\_\_

CHARGE  AMOUNT: \_\_\_\_\_

BILLING COMPUTATION: [Signature]

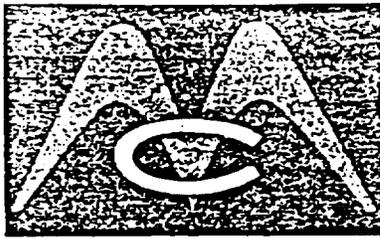
POSTED: \_\_\_\_\_

**A 54885**

LANDFILL RECEIPT FORM

COPY 2

DATAFOLD FORMS



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

*100-1000-505*



**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.

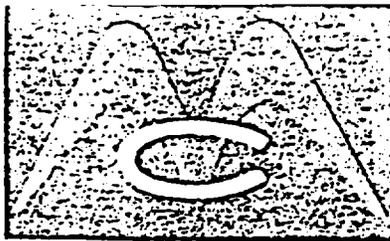
The amount of this order includes all applicable Sales and/or Use Taxes.

ADP 000342

MARSHALL CONTRACTORS, INC.  
BY *L.W. Jamison*  
TITLE Vice President Purchasing

ACCEPTED, Subject to all terms and conditions hereof, including the general conditions on the reverse side hereof.  
FIRM Jet-Line Services Inc.  
BY *T.J. Cullen*  
TITLE General Manager  
DATE 5-19-82

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



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

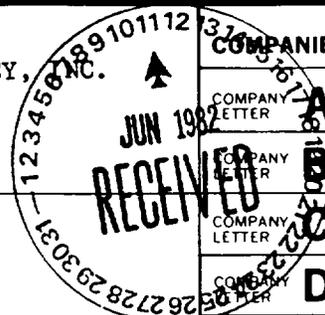
J. BARRY DRISCOLL INSURANCE AGENCY,  
150 WOOD ROAD  
BRAINTREE, MASSACHUSETTS 02184

COMPANIES AFFORDING COVERAGES *CPD 100-7*

- A** COMMERCIAL UNION INSURANCE COMPANY
- B** MISSION INSURANCE COMPANY
- C** INSURANCE COMPANY OF NORTH AMERICA
- D** CANADIAN UNIVERSAL INSURANCE COMPANY
- 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			BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$ 500,	\$ 500,
	<input checked="" type="checkbox"/> EXPLOSION AND COLLAPSE HAZARD			PERSONAL INJURY	\$ 500,	\$ 500,
C	<b>AUTOMOBILE LIABILITY</b>	(C) LMT012521 JET LINE-MA	1/1/83	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	\$ ----	
E	<input checked="" type="checkbox"/> NON-OWNED	(C) EXPIRATION DATE	5/7/83			
		(E) EXPIRATION DATE	5/7/83			
B	<b>EXCESS LIABILITY</b>	MN009690	5/7/83	BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$ 10,000	\$ 10,000
A	<b>WORKERS' COMPENSATION and EMPLOYERS' LIABILITY</b>	CB9082-016	4/27/83	STATUTORY	\$ 100,000	(EACH ACCIDENT)
C	<b>OTHER 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. *100 Entered*

**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. 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.  
*[Signature]*  
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

ADP 000345

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

- A COMMERCIAL UNION INSURANCE COMPANY
- B MISSION INSURANCE COMPANY
- C INSURANCE COMPANY OF NORTH AMERICA
- D CANADIAN UNIVERSAL INSURANCE COMPANY
- 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

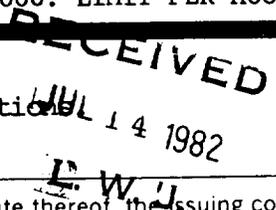


This is to certify that policies of insurance listed below have been issued to the insured named above and are in force at this time. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance 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> <input checked="" type="checkbox"/> COMPREHENSIVE FORM <input checked="" type="checkbox"/> PREMISES—OPERATIONS <input checked="" type="checkbox"/> EXPLOSION AND COLLAPSE HAZARD <input checked="" type="checkbox"/> UNDERGROUND HAZARD <input checked="" type="checkbox"/> PRODUCTS/COMPLETED OPERATIONS HAZARD <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	C5GL79539	5/7/83	BODILY INJURY	\$ ----	\$ ----
				PROPERTY DAMAGE	\$ ----	\$ ----
				BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$ 500,	\$ 500,
				PERSONAL INJURY		\$ 500,
C E	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> COMPREHENSIVE FORM <input checked="" type="checkbox"/> OWNED <input checked="" type="checkbox"/> HIRED <input checked="" type="checkbox"/> NON-OWNED	(C) LMT012521 JET LINE-MA (E) F2L16501 JET LINE-NH. MAINE (C) LMT012521 BLACK GOLD-MA (E) F2L16502 BLACK GOLD-NH. MAINE	(C) EXPIRATION DATE 1/1/83 (E) EXPIRATION DATE 5/7/83	BODILY INJURY (EACH PERSON)	\$ 500,	
				BODILY INJURY (EACH ACCIDENT)	\$ 500,	
				PROPERTY DAMAGE	\$ 100,	
				BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$ ----	
B	<b>EXCESS LIABILITY</b> <input checked="" type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM	MN009690	5/7/83	BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$ 10,000,	\$ 10,000
A	<b>WORKERS' COMPENSATION and EMPLOYERS' LIABILITY</b>	CB9082-016	4/27/83	STATUTORY		\$ 100,000 (EACH ACCIDENT)
C	<b>OTHER</b> PROTECTION AND	HU201078	3/20/83	\$500,000. LIMIT PER ACCIDENT		

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES

*150 entered*  
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.

*J. Barry Driscoll*  
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.

<b>NAME AND ADDRESS OF AGENCY</b>  <b>J. BARRY DRISCOLL INSURANCE AGENCY, INC.</b> 150 WOOD ROAD BRAINTREE, MASSACHUSETTS 02184	<b>COMPANIES AFFORDING COVERAGES</b>  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>
<b>NAME AND ADDRESS OF INSURED</b>  <b>JET LINE SERVICES, INC.</b> <b>AND BLACK GOLD SERVICES, INC.</b> 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> <input checked="" type="checkbox"/> COMPREHENSIVE FORM <input checked="" type="checkbox"/> PREMISES—OPERATIONS <input checked="" type="checkbox"/> EXPLOSION AND COLLAPSE HAZARD <input checked="" type="checkbox"/> UNDERGROUND HAZARD <input checked="" type="checkbox"/> PRODUCTS/COMPLETED OPERATIONS HAZARD <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	<b>C5GL79539</b>	<b>5/7/83</b>	BODILY INJURY	\$ ———	
				PROPERTY DAMAGE	\$ ———	
				BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$ <b>500,</b>	\$ <b>500,</b>
				PERSONAL INJURY	\$ <b>500,</b>	
<b>C</b>  <b>E</b>	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> COMPREHENSIVE FORM <input checked="" type="checkbox"/> OWNED <input checked="" type="checkbox"/> HIRED <input checked="" type="checkbox"/> NON-OWNED	(C) <b>IMT012521</b> <b>JET LINE-MA</b> (E) <b>F2L16501</b> <b>JET LINE-NH. MAINE</b> (C) <b>IMT012521</b> <b>BLACK GOLD-MA</b> (E) <b>F2L16502</b> <b>BLACK GOLD-NH. MAINE</b> (C) <b>EXPIRATION DATE</b> <b>1/1/83</b> (E) <b>EXPIRATION DATE</b> <b>5/7/83</b>	<b>5/7/83</b>	BODILY INJURY (EACH PERSON)	\$ <b>500,</b>	
				BODILY INJURY (EACH ACCIDENT)	\$ <b>500,</b>	
				PROPERTY DAMAGE	\$ <b>100,</b>	
				BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$ ———	
<b>B</b>	<b>EXCESS LIABILITY</b> <input checked="" type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM	<b>MN009690</b>	<b>5/7/83</b>	BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$ <b>10,000,</b>	\$ <b>10,000</b>
<b>A</b>	<b>WORKERS' COMPENSATION and EMPLOYERS' LIABILITY</b> OTHER	<b>CB9082-016</b>	<b>4/27/83</b>	STATUTORY	\$ <b>100,000</b> <small>(EACH ACCIDENT)</small>	
<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.**  
  
 AUTHORIZED REPRESENTATIVE  
 ADP 000348

# Certificate of Insurance



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NAME AND ADDRESS OF AGENCY <b>J. BARRY DRISCOLL INSURANCE AGENCY, INC.</b> <b>150 WOOD ROAD</b> <b>BRAINTREE, MASSACHUSETTS 02184</b>	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 <b>JET LINE SERVICES, INC.</b> <b>AND BLACK GOLD SERVICES, INC.</b> <b>R-441 CANTON STREET</b> <b>STOUGHTON, MASSACHUSETTS 02072</b>	

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> <input checked="" type="checkbox"/> COMPREHENSIVE FORM <input checked="" type="checkbox"/> PREMISES—OPERATIONS <input checked="" type="checkbox"/> EXPLOSION AND COLLAPSE HAZARD <input checked="" type="checkbox"/> UNDERGROUND HAZARD <input checked="" type="checkbox"/> PRODUCTS/COMPLETED OPERATIONS HAZARD <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	<b>CSGL79539</b>	<b>5/7/83</b>	BODILY INJURY	\$ _____	\$ _____
				PROPERTY DAMAGE	\$ _____	\$ _____
				BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$ <b>500,</b>	\$ <b>500,</b>
				PERSONAL INJURY	\$ _____	\$ <b>500,</b>
<b>C</b>	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> COMPREHENSIVE FORM <input checked="" type="checkbox"/> OWNED <input checked="" type="checkbox"/> HIRED <input checked="" type="checkbox"/> NON-OWNED	<b>(C) LMT012521 JET LINE-MA</b> <b>(E) F2L16501 JET LINE-NH. MAINE</b> <b>(C) LMT012521 BLACK GOLD-MA</b> <b>(E) F2L16502 BLACK GOLD-NH. MAINE</b> <b>(C) EXPIRATION DATE 1/1/83</b> <b>(E) EXPIRATION DATE 5/7/83</b>	<b>5/7/83</b>	BODILY INJURY (EACH PERSON)	\$ <b>500,</b>	
				BODILY INJURY (EACH ACCIDENT)	\$ <b>500,</b>	
				PROPERTY DAMAGE	\$ <b>100,</b>	
				BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$ _____	
<b>B</b>	<b>EXCESS LIABILITY</b> <input checked="" type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM	<b>MH009690</b>	<b>5/7/83</b>	BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$ <b>10,000,</b>	\$ <b>10,000,</b>
<b>A</b>	<b>WORKERS' COMPENSATION and EMPLOYERS' LIABILITY</b> OTHER	<b>CB9082-016</b>	<b>4/27/83</b>	STATUTORY *	\$ <b>100,000</b>	(EACH ACCIDENT)
<b>C</b>	<b>PROTECTION AND</b> (E)	<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	Aug 9/82	JOB NO.	P3227.2
ATTENTION			
RE	Mr. William Lund		
	CENTERDATE MANOR		

GENTLEMEN:

WE ARE SENDING YOU  Attached  Under separate cover via \_\_\_\_\_ the following items.

Shop drawings  Prints  Plans  Samples  Specifications

Copy of letter  Change order

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

311  
 REMARKS I HOPE THIS INFORMATION CLEAR UP ALL MY KNOSE ENDS ON THIS PROJECT. ROSE INDICATED YOU WERE WITHHOLDING PAYMENT ON INVOICE 6140 FROM R.I. ANALYTICAL PENDING RECEITE 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, PRIO TO THE START OF CONSTRUCTION. I HAVE NO IDEA WHAT NEWTON DID WITH YOUR P.O. SO I HAVE ATTACHED A COPY I MADE FOR PROV.

SIGNED: M.A. Power



**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

OCT 22 1982

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

JOB

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

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 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



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

<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.

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



MARSHALL COI  
75 Newman Avenue, Rl  
401 -

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	JOB
Goldberg-Zoino & Associates, Inc.	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

VENDOR No. 07055  
COST CODE No. 01410

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

DATE MARCH 25 1982  
VENDOR 401-421-4140 JOB CENTERDALE MANOR  
GOLDBERG-ZOINO & ASSOCIATES INC  
255 So. MAIN ST  
PROVIDENCE RI 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 CONTRACT

Furnish all necessary labor material and equipment  
required and perform all punch and work necessary  
to complete TESTING AND INSPECTION SERVICES.  
all to be as required and in strict accordance with the  
the equipment to be used and contract and the  
Project Plans and Specifications as prepared by the  
Robertson Jones Gullett Corp Architects

*[Handwritten signature and date]*  
4/1/82

CBSI - MARSHALL Joint Venture  
BY [Signature]

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 \_\_\_\_\_

## Schedule of Work

The scope of the work of this Contract Purchase Order includes and is listed in 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 fetching 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 PRIME 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 UPON 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 sites and job sites in  
excess of one-half hour each way.

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

3) G2A will allow to Contractor purchase of its Professional Liability Insurance in amounts normally provided for the services described herein and in the form of participation with the Contractor shall be the named insured.

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

and Lichtow Company will test all  
 grant samples and more so small tests,  
 on an as needed basis in evaluating  
 the performance of the grant. The results  
 of all work performed will be detailed  
 in monthly field reports.

2) Commitment Value:

<u>TASK DESCRIPTION</u>	<u>REASON DAYS</u>	<u>COST</u>
1) Removal of chemical wastes	1	* 250.00
2) Earthwork observation and testing - field tests filled at field notes	2	* 500.00
3) Monitoring of pile load test		
1 DAY pile shoring	1	
72 hours test	9	
Rental of load cell	* 100.00	
Report preparation	1	* 2750.00
4) Observation of pile shoring		
15 days of pile shoring with office supervision		* 4500.00
Testing of grant samples and observations with Thompson & Lichtow		* 1200.00
<u>Commitment Value</u>		<u>* 9200.00</u>

Post Code 01410  
Vendor 07055

120

# 3

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



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

MICHAEL A. POWERS, P.E.  
DISTRICT MANAGER

192m

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. T

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. I

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. J

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. T



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
2. Earthwork observation and testing - field tests billed at field rates	2	\$ 500
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
4. Observation of pile driving		
15 days of pile driving with office supervision		\$ 4,500
Testing of ground sample and consultation with Thompson & Lichtner		\$ 1,200
TOTAL		\$ 9,200
*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 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.



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.

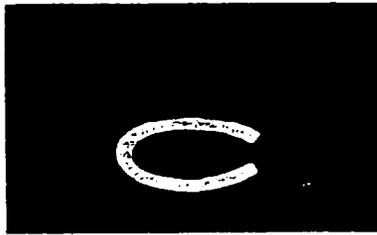
AGREED & ACCEPTED BY:

MARSHALL CONTRACTORS, INC.  
Contractor

By: *L.W. Jamison*  
Title L.W. Jamison, V.P. Administration

OCEAN STATE DISPOSAL, INC.  
Subcontractor/Vendor

By: \_\_\_\_\_ ADP 000370  
Title \_\_\_\_\_



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.

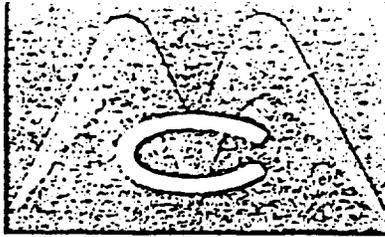
Vendor

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



Job 120 - CPO

TELEPHONE QUOTATION	
PROJECT: <i>Canterdale Manor</i>	DATE: <i>5/19/82</i>
SUB/SUPPLIER: <i>Jet-Line Services Inc</i>	TAX INCL: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
ADDRESS: <i>7 Dexter Rd E. Providence, RI</i>	FOB JOB SITE: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	FREIGHT INCL: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
TELEPHONE NO. <i>438-9092</i>	UNLOAD: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	INSTALL: Yes <input type="checkbox"/> No <input type="checkbox"/>
QUOTED BY (NAME): <i>Walter Rayley</i>	Written Confirmation To Follow: Yes <input type="checkbox"/> No <input type="checkbox"/>
	Per. Plans + Specs. Yes <input type="checkbox"/> No <input type="checkbox"/>
ITEM OF WORK:	UNION: Yes <input type="checkbox"/> No <input type="checkbox"/>
	ADDDENDA:
SPEC. SECTION(S):	DELIVERY DATE: <i>w/E 5-22-82</i>
BULLETINS:	
<p><i>Remove 8 "Hazardous Material" drums and dispose of same per Federal, State and local regulations.</i></p> <p><i>E.P.A. ID # RI D980524532</i></p> <p style="text-align: right;"><i># 2,352.00</i></p>	
EXCLUSIONS:	
ALTERNATIVES:	
RECEIVED BY: <i>will</i>	



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.

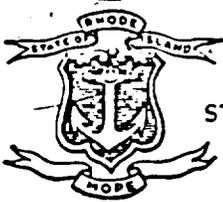
Very truly yours,

*Stephen Majkut, Sr.*  
Stephen Majkut, Sr. Engineer  
Division of Air and Hazardous Materials

SM/km

Enclosure

ADP 000376



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/km*  
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

*Perched.*

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

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

*March 1982*  
MARSHALL CONTRACTORS, INC.  
75 Newman Avenue  
Rumford, R.I. 02916  
(401) 438-3500  
*Parcel*

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: *L.W. Jamison*

Title L.W. Jamison, VP. Purchasing

Date November 19, 1982

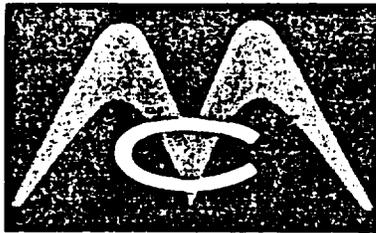
OCEAN STATE DISPOSAL INC.

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	<u>May 21, 1982</u>	JOB	
VENDOR	<u>944-6654 Ocean State Disposal, Inc. Pole #15, Shun Pike Johnston, RI 02919</u>		<u>Centredale Manor Smith Street North Providence, RI</u>

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	<u>1806.00</u>	
6% RI Sales Tax	<u>155.40</u>	
Approximate TOTAL	<u>\$2745.40</u>	

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 \_\_\_\_\_ ADP 000381

DATE \_\_\_\_\_

# 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.  
Pole #15, SHUN PIKE  
JOHNSTON, R.I. 02919

JOB  
CENTREDALE PINNAC  
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. JOB SITE 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  
6% RISE 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.

Shey  
6/3/82

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

FIRM

Vendor

BY

TITLE

ADP 000382

DATE

# CENTERDALE

		ESTIMATE OCEAN STATE 944-	MARCELA BOYER BOYER
1	DUMPSTER RENTAL		15 <sup>00</sup>
2	1@ 7 MOS 2@ 3 MOS	1040-	840-
3	PICKUP & DISPOSAL		115-
4	21 PICK & DISPOSE	2100-	2415-
5			
6	6% R.I. ST		195 <sup>30</sup>
7			
8			
9			
10	TOTAL BASED ON QUAN.	3140-	3866-
11			
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32			

CLOSED  
5/21/82  
JAC

## TELEPHONE QUOTATION

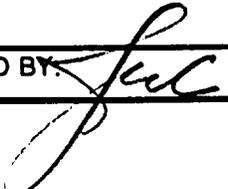
PROJECT: <b>MARRIOTT</b>	DATE: <b>5,20,82</b>
SUB/SUPPLIER: <b>OCEAN STATE DISP.</b>	TAX INCL: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
ADDRESS: <b>POLE #15 INC. SHUN PIKE</b>	FOB JOB SITE: Yes <input type="checkbox"/> No <input type="checkbox"/>
	FREIGHT INCL.: Yes <input type="checkbox"/> No <input type="checkbox"/>
TELEPHONE NO. <b>JOHNSTON 02919</b>	UNLOAD Yes <input type="checkbox"/> No <input type="checkbox"/>
QUOTED BY (NAME): <b>944 6654</b>	INSTALL Yes <input type="checkbox"/> No <input type="checkbox"/>
ITEM OF WORK: <b>J.C. BASTIANELLI</b>	Written Confirmation To Follow Yes <input type="checkbox"/> No <input type="checkbox"/>
	Per. Plans + Specs. Yes <input type="checkbox"/> No <input type="checkbox"/>
SPEC. SECTION(S)	UNION Yes <input type="checkbox"/> No <input type="checkbox"/>
	ADDENDA:
	DELIVERY DATE:
	BULLETINS:

COST CODE **01705/43**      **30 CY DUMPSTER**  
**120**

**PRICE GIVEN TO MIKE PUDDICOME  
 @ JOBSITE**

~~EXCLUSIONS:~~  
**OCEAN STATE DISPOSAL**  
**14<sup>00</sup> WK RENTAL**  
**86<sup>00</sup> PU**

ALTERNATIVES:

RECEIVED BY: 





TELEPHONE QUOTATION	
PROJECT: <i>O'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"/>
	FOB JOB SITE: Yes <input type="checkbox"/> No <input type="checkbox"/>
ADDRESS:	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 CONORAN</i>	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:
BULLETINS:	
<p><i>30CY DUMPSTER</i></p> <p><i>RENTAL 15<sup>00</sup></i></p> <p><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 #1606 *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

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 \_\_\_\_\_

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

# 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

VENBORT 16067

THE ABOVE NUMBERS MUST BE EXCEEDED BY ALL INVOICES AND PACKAGES FOR THE ABOVE CONTRACT. THIS CONTRACT IS SUBJECT TO THE GENERAL CONDITIONS OF THE CONTRACT PURCHASE ORDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DELIVERY OF ALL MATERIALS TO THE PROJECT SITE.

DATE 3/25/82

VENDOR: PERBODY CLEAR INDUSTRY JOB: CENTRAL VILLE MANOR  
Bedg 7 Room 201 NO PROVIDER  
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, RI NET 30 DAYS: DISCOUNT - %

SHIPPING INSTRUCTIONS: SHIPPING DATES: VIA OUR TRUCK

**FURNISH THE FOLLOWING MATERIAL:**

2. Vendor agrees to pay and to accept a bill of materials for the materials which are measured by the scales, salaried or other methods of his employees as well as any tax or use tax or other charges in connection with this Contract Purchase Order.  
6. Delivery of materials will be in accordance with the construction schedule established by Contractor.  
7. Materials supplied shall be with accepted standards of workmanship and quality, and shall be satisfactory to and meet the approval of the Architect, Contractor and Vendor.  
8. 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.

272 GYRON OVERPACK DRUMS  
@ 110.00 EA 220  
6% RIST 13.20  
TOTAL 233.20

9. 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.

10. Vendor shall not assign this Contract Purchase Order nor any money due or to become due Vendor hereunder without the written consent of Contractor.

11. 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.

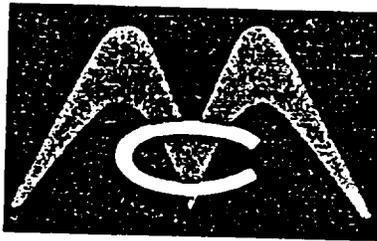
12. Vendor shall clean up and remove from the Project site all rubbish and debris resulting from Vendor's performance hereunder.

13. 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 JAL  
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 \_\_\_\_\_  
BY \_\_\_\_\_ Vendor  
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.

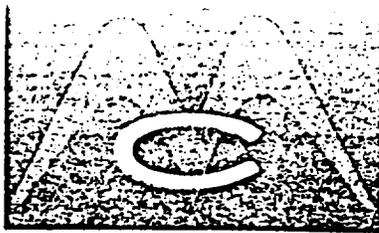
Very truly yours,

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

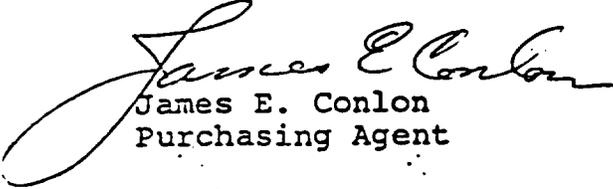
Gentlemen:

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.

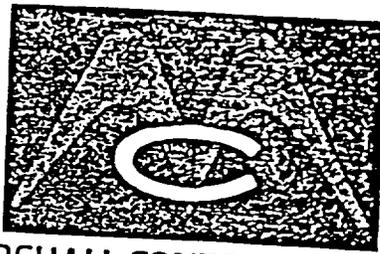
Very truly yours,

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.



*subject 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,

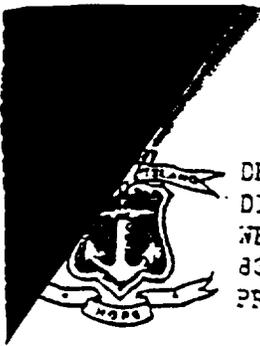
MARSHALL CONTRACTORS, INC.

L. W. Jamison  
Vice President - Purchasing

LWJ:kr

bcc: Bill Lund  
Field  
CPO File  
Reading File  
Tickler File 8/9

ADP 000393



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 The Robinson Green Beretta Corporation		DOING BUSINESS AS Architects/Engineers	
APPLICANT'S MAILING ADDRESS NO. 2 John Street	STREET Providence	CITY/TOWN Rhode Island	STATE Rhode Island
		ZIP 02906	AREA CODE AND TEL. NO. 401 XXX BUS. 272-17 RES.
OWNER'S NAME Centredale Manor Associates	OWNER'S ADDRESS NO. 75 Newman Avenue	STREET Rumford	CITY/TOWN Rhode Island
		STATE Rhode Island	ZIP 02911
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  
ACTION BY  
JAN 20 1982  
TRZ \_\_\_ WG \_\_\_ RJE  
JRC \_\_\_ WKA \_\_\_ GEM  
MS \_\_\_ RMS \_\_\_ JEB  
JTN \_\_\_ RJG \_\_\_ KRW



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,

A handwritten signature in cursive script, appearing to read "John P. Leo".

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

JPL/km

ADP 000398

# 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> Division of Martin Marietta Corporation		EMERGENCY TELEPHONE NO. (216) 831-5500 Ext 2334
ADDRESS (Number, Street, City, State, and ZIP Code) 23700 Chagrin Blvd., Cleveland, Ohio 44122		
CHEMICAL NAME AND SYNONYMS Not Applicable		TRADE NAME AND SYNONYMS POZZOLITH 122-HE
CHEMICAL FAMILY Not Applicable	FORMULA Not Applicable	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		Not Applicable
CATALYST	Not Applicable		ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL 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 BY VOLUME (%)	63
VAPOR DENSITY (AIR=1)	"	EVAPORATION RATE (_____=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	LeI	UeI
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		EYE PROTECTION
None		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.	

PROJECT NAME: CENTREDALE MANOR RI 43-H023-121 r C  
PROJECT LOCATION: North Providence, Rhode Island PROJECT NO: \_\_\_\_\_

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 124*

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  
*[Signature]*  
Supervisory Architect

Date: January 18, 1983

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

10.50  
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, <sup>TWC</sup> 19 83

\_\_\_\_\_  
Building Official

Expiration Date \_\_\_\_\_

POST THIS CARD SO IT IS VISIBLE FROM STREET

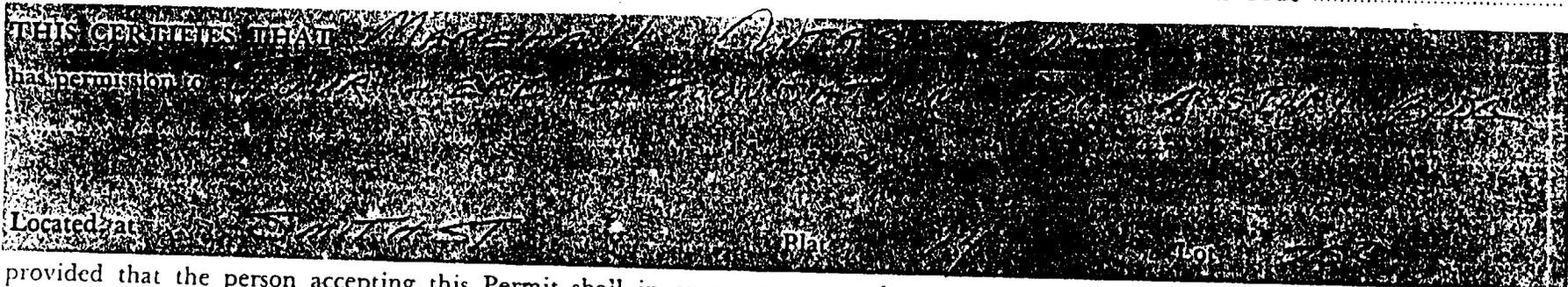
# BUILDING PERMIT

FEE PAID \$ *To BE included in Bldg Permit*

Received By *[Signature]*

Date Cranted *FEB 29 1987*

Numerical Code *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.

*[Signature]*  
*[Signature]*  
 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.

ADP 000403

POST THIS CARD SO IT IS VISIBLE FROM STREET

# BUILDING PERMIT

FEE PAID \$ 5,003.00  
 Received By atc  
 Date Granted 3-16 1982  
 Numerical Code \_\_\_\_\_

I HEREBY CERTIFY THAT \_\_\_\_\_  
 has permission to \_\_\_\_\_  
 Located at \_\_\_\_\_  
 Block \_\_\_\_\_ Lot \_\_\_\_\_

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

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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. _____	_____

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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:

- 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:

- 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. P.O.

75 NEWMAN AVE.

ZUNNERS, Z.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	Excavation													
06	Grading & Earthwork													
07	Site Grading													
08	Landscaping													
10	Doors													
11	Windows													
14	Driveway													
15	Tile Work													
16	Acoustical													
17	Painting													
18	Resilient Floor													
19	Painting													
20	Specialty													
21	Special Equip													
22	Cabinets													
23	Appliances													
24	Blinds & Shades													
25	Carpets													
26	Piles													
27	Elevators													
28	Plumbing													
29	Heating													
30	Fire Protect													
31	Electrical													
32	Earthwork													
36	Utilities													
37	38 Roads & Walks													
	39 Landscaping													