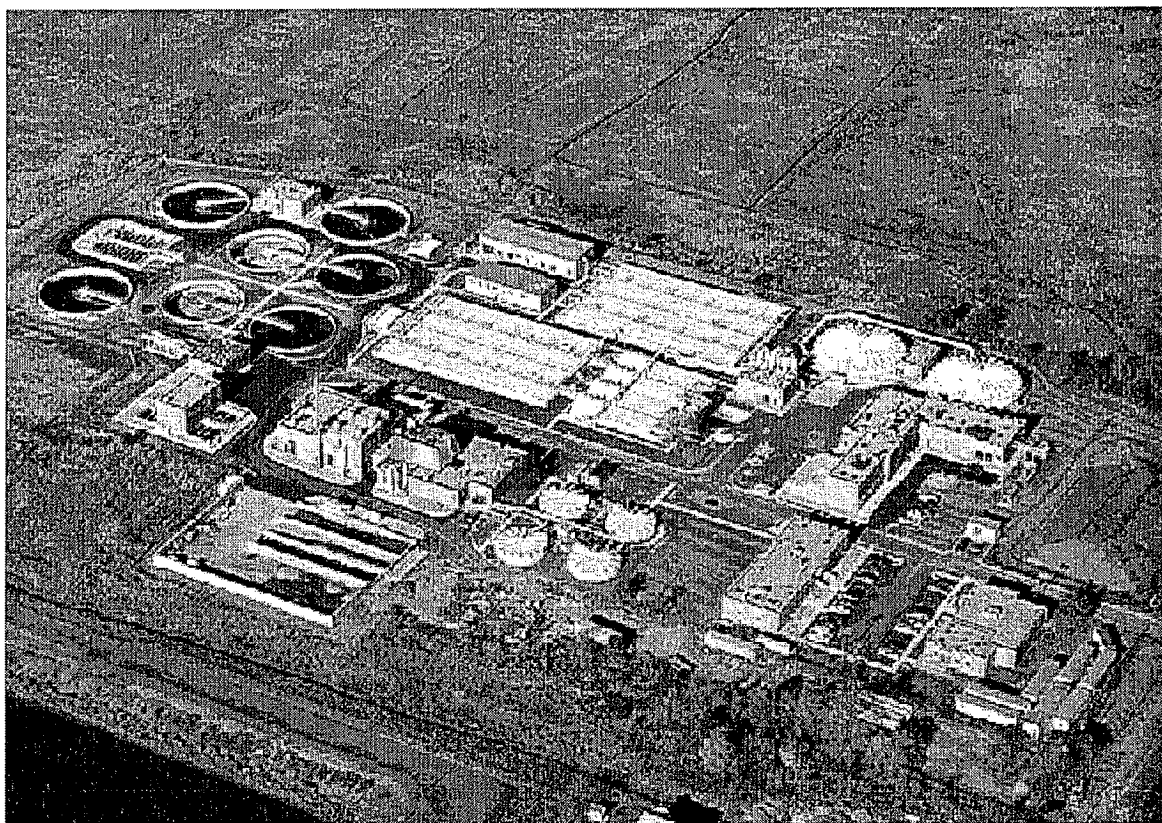


REQUEST FOR QUOTATION

FOR

**Niro Incinerator Dome Demolition
December 2011**



BAYSHORE REGIONAL SEWERAGE AUTHORITY

100 Oak Street
Union Beach, NJ 07735

(732) 739-1095
Fax: (732) 739-2459

www.BayshoreRSA.com

Prepared by: Engineering Department

REQUEST FOR QUOTATION

1. Scope of Work

Bayshore Regional Sewerage Authority (BRSA) owns and operates a Wastewater Treatment Plant, located at 100 Oak Street, Union Beach, New Jersey. The BRSA is the owner/operator of two (2) fluidized bed, sewage sludge incineration systems, the Dorr-Oliver and the Niro. The older incinerator or the Dorr-Oliver was initiated in 1974 and is a 15' inside diameter fluidized bed system. The Dorr-Oliver has since been designated as a back-up unit and is only operated during emergency situations when the newer incinerator or Niro is not operational. The Niro was installed in 1995 and is a 15'-3" inside diameter fluidized bed system. In accordance with the NJDEP permits, only one incinerator is permitted to be operated at a time.

The fluidized bed incinerators are designed to incinerate a mixture of primary and waste activated sewage sludge, plus oil and grease, from the BRSA facility. Thickened sludge is polymer conditioned and pumped to the belt filter presses for dewatering by two variable speed, progressing cavity pumps. Filter cake from the belt presses is then pumped by a Schwing piston pump into the incinerator through two nozzles.

Currently, the Niro Incinerator dome is in need of replacement. In order to determine the scope of work for the necessary repairs it is necessary to first demolish the dome. Therefore, the scope of work for this quote is to demolish, transport and dispose of the dome and also perform inspections as identified in the attached specifications prepared by Chavond-Barry Engineering Corp. *It is the intent of BRSA to issue a Purchase Order (PO) by no later than January 10, 2012 and all work must be completed by no later than January 17, 2012.*

A site visit is not mandatory but strongly encouraged to ascertain the entire scope of work and site conditions.

All work shall be performed in accordance with all applicable Local, County, State and Federal laws and regulations. All Bidders shall be required to comply with Local Public Contracts Law (N.J.S.A. 40A: 11-1 et seq

All quotes submitted must be on the attached quotation form or they will not be accepted.

2. Qualifications

The contractor shall have a minimum of three (3) years experience performing similar projects. As a minimum, the quotation shall be accompanied by the following:

(i) A list of individuals who will be performing the work along with their qualifications of their relevant experience.

(ii) A list of similar work performed by the firm.

3. Familiarization Visit

There has been no site visit scheduled for this work. However, it is strongly

recommended that the contractor visit the work site prior to submittal of the quotation to ascertain the working conditions and access limitations. Failure to visit the site shall not relieve the contractor of their obligations to perform any part of the work, nor shall it entitle additional compensation.

4. **Payments**

Payment of all work will be made as outlined in the bid form. These prices shall include all labor, materials, equipment, transportation, supervision, permits, insurance, profit and overhead. The contractor is required to pay its workers wages as established by the "New Jersey Department of Labor Prevailing Wage Rate Determination" (NJDOLPWRD). It is the contractor's responsibility to obtain the current rates from the Department.

Invoices and vouchers must be received and accepted by the Authority on the 1st of each month. All payment applications must be approved by the Board of Commissioners at the Public Meeting, which is normally held on the 3rd Monday of each month. Checks are usually released within 72 hours of Board approval.

5. **Sub-Contractors**

Should the General Contractor/Bidder plan to utilize any sub-contractors, they are then required to **provide a list of sub-contractors with the Bid**. If no sub-contractor list is supplied with the bid then the General Contractor will not be permitted to utilize any sub-contractors.

6. **Affirmative Action Requirements**

The General Contractor and all listed sub-contractors **shall provide with the bid a valid copy of Mandatory Affirmative Action Language** – Goods, Professional and General Service Contracts (form attached). Each Bidder submitting a bid shall be required to certify that he has complied with Public Agency Regulations Awarding Contracts Pursuant to P.L. 1975, C.127 (N.J. A.C. 17:27) issued by the State of New Jersey, Dept. of Treasury, Affirmative Action Office, covering non-discrimination in employment. The mandatory Equal Employment Opportunity Language (N.J.S.A. 10.5 - 31 et seq.) (N.J.A.C. 17:27) for Construction Contracts.

The following information is required with the submission of your bids:

A. signed copy of the enclosed Exhibit A; and

B. One of the following forms of Required Affirmative Action Evidence:

1. Federal Letter of Affirmative Action Plan Approval; or
2. Certificate of Employee Information Report; or
3. A completed copy of the Affirmative Action Employee Information Report (Form AA201 or AA302).

The successful Bidder will be required to complete an Initial Project Manning Report (Form AA-201) and Monthly Manning Reports as required.

If the Contractor refuses to execute this Contract (Containing the mandatory Affirmative Action Contract language) at the time of Bid, then the Authority shall reject the Contractors bid as non-responsive. When such a rejection occurs, the same affirmative Action Requirements shall apply to any other Contractor selected by the Owner in accordance with the New Jersey Public Contract Law (N.J.S.A. 40 A:11-1 et seq.)

7. **Public Works Contractor Registration Act**

Omitted

8. **New Jersey Business Registration Certification**

Each bidder and all listed sub-contractors are required to provide with the bid a copy of the New Jersey Business Registration Certificate from the Department of Treasury.

9. **Permits**

Omitted

10. **Insurance**

The General Contractor and all listed sub-contractors **shall provide with the bid a valid copy of their Insurance Certificate.** During the life of this contract the Contractor shall maintain the following insurance coverage.

- A. Contractor Public Liability and Contractor's Property Damage Insurance, including Independent Contractors Completed Operations and Contractual Liability Insurance:

Bodily Injury:	\$1,000,000/\$3,000,000
Property Damage:	\$1,000,000/\$1,000,000

- B. Vehicle Liability Insurance for owned, non-owned and hired vehicles:

Bodily Injury:	\$1,000,000/\$3,000,000
Property Damage:	\$1,000,000/\$1,000,000

- C. Worker's Compensation Insurance Coverage G.

All insurance policies shall list the Owner and Engineer as an additional named insured. The Contractor insurance shall indemnify and save harmless the Authority and it's employees, Commissioners and Consultants. All insurance certificate shall stipulate that the insurance shall not be changed or cancelled or permitted to expire without giving forty five (45) days prior notice to the Owner by registered mail.

No work shall commence until a certificate of insurance in a form acceptable to the Owner is received. No separate pay item is included for insurance. Cost of insurance shall be included in the Lump Sum Bid Price in this Request For Quotation.

11. **Submittals Required with Bid Proposal**

Provide location for disposal and transportation tickets.

12. **Time For Completion**

The work must be completed within 5 business days from receiving the BRSA's PO.

13. **Warranty**

Omitted

14. **Rejection of Bids**

The BRSA reserves the right to reject any and all bids or to waive any errors or discrepancies if it is deemed in the Public's best interest to do so.

15. **Termination for Convenience**

The BRSA may terminate this Contract, in whole or in part, for the convenience of the BRSA, if the BRSA determines that such termination is in the BRSA's interest. Such termination shall be by written notice to the Contractor specifying the extent of termination and the effective date. In case of such termination for convenience, the Contractor shall be paid for the work satisfactorily completed to the date of termination, together with the reasonable costs of settlement of the work terminated, but not for lost or anticipated profits on the work terminated.

16. **Due Date**

Sealed Bid Proposals for the referenced Contract will be received at the BRSA, 100 Oak Street, Union Beach, NJ, to the attention of Michelle Izzo, Qualified Purchasing Agent, **up to 1:30 P.M. prevailing time on January 4, 2012, at which time they will be publicly opened and read aloud by BRSA.** No bids will be accepted after said prevailing time and day.

17. **Bid Forms**

Bids must be submitted on forms prepared by BRSA. All bids must be enclosed in a sealed, specially addressed envelope bearing on the outside the name and address of the bidder and work bid upon.

18. **Attachments**

Attached and made part of this RFQ are the following items:

- ◆ QUOTATION FORM;
- ◆ AFFIRMATIVE ACTION SCHEDULE A;
- ◆ CBE ENGINEERING SPECIFICATIONS; and
- ◆ NIRO INCINERATOR DRAWING

BRSA QUOTATION FORM

BID ITEM	QUANTITY	UNIT MEASURE	DESCRIPTION OF UNIT PRICE BID ITEMS:	UNIT PRICE	TOTAL BID ITEM AMOUNT
1	1	LS	Provide all labor, materials, equipment, tools, transportation, and supervision necessary to complete the refractory demolition work excluding the trammel inspection work and the storage and disposal of demolished materials as described in the attached RFQ for the lump sum amount of:	\$ N/A	\$ _____
			Lump Sum Price Written: _____ _____ _____		
ALTERNATE BID ITEMS (Must bid on all items, the owner may include alternate items in the basis for bid award)					
2	1	LS	Provide all labor, materials, equipment, tools, transportation, and supervision necessary to provide a container and dispose of the demolished materials as described in the attached RFQ for the lump sum amount of:	\$ N/A	\$ _____
			Lump Sum Price Written: _____ _____ _____		
3	1	LS	Provide all labor, materials, equipment, tools, transportation, and supervision necessary to install a trammel and provide an inspection report as described in the attached RFQ for the lump sum amount of:	\$ N/A	\$ _____
			Lump Sum Price Written: _____ _____ _____		
			TOTAL AMOUNT BID FOR ITEMS 1 THROUGH 3 =		\$ _____
			Total Bid Price Written: _____ _____ _____		

THE AMOUNTS SHALL BE WRITTEN IN BOTH WORDS AND FIGURES. IN CASE OF DISCREPANCY, THE AMOUNT WRITTEN IN WORDS WILL GOVERN.

THE ABOVE NUMBER OF HOURS AND QUANTITIES ARE ESTIMATED NUMBERS USED FOR COMPARISON PURPOSES IN DETERMINING THE TOTAL AMOUNTS OF BIDS. THE QUANTITIES TO BE ACTUALLY PURCHASED ARE STRICTLY WITHIN THE DISCRETION OF THE BAYSHORE REGIONAL SEWERAGE AUTHORITY (BRSA) AND THE BRSA SHALL BE FREE TO SOLICIT COMPETITIVE BIDS WHERE IT DETERMINES THAT WORK CAN BE PERFORMED ON A NON-EMERGENT BASIS.

The BRSA reserves the right to award the RFQ to the lowest responsible and responsive bidder, if it is in the best interest of the BRSA and public to do so.

Quotation submitted by:

_____	_____
Company Name	Tax I.D. Number
_____	_____
Address	Telephone Number
_____	_____
City, State, Zip Code	Fax Number
_____	_____
Print Name and Title	Date

Signature

BAYSHORE REGIONAL SEWERAGE AUTHORITY

INCINERATOR DOME DEMOLITION

SUMMARY OF WORK

PART 1 - GENERAL

1.01 INTRODUCTION

- A. The existing fluidized bed sludge incinerator was designed by Niro, Inc., and installed in 1994. The system includes a fluidized bed incinerator with combustion chamber, a heat exchanger to preheat fluidizing air, a windbox burner, and a venturi scrubber with cooling tower leading to a WESP, and finally an exhaust stack.
- B. The Work to be performed, as specified herein, shall include at a minimum (base price):
 - 1. Demolition of the incinerator refractory dome.
 - 2. Disposal of demolition debris to the Owner's designated container on-site.
- C. The Work also requires separate line item quotes for additional items listed below to potentially be performed along with the base bid work:
 - 1. **ADDITIONAL ITEM #1:** Disposal of demolition debris off-site. The owner requests a separate line item price for disposal of the demolition debris. This item includes the Contractor supplying a dumpster, its delivery and removal, as well as disposal costs associated with proper disposal of the demolition debris (see section 1.02). A decision on this additional item will be made by the Owner when the contract is awarded.
 - 2. **ADDITIONAL ITEM #2:** Inspection of the skewbacks with a trammel and provide an opinion report. This item includes measurement of the radius from the centerline to each skewback and a written opinion on the status of the skewbacks for reuse (see section 1.03). A decision on this additional item will be made by the Owner after the dome has been removed and the skewbacks are visible.
- D. A copy of the incinerator cross section drawing and dome layout drawing are attached.
- E. The Work to be performed needs to be completed within 5 working days from being given the notice to proceed.

1.02 DEMOLITION

The incinerator demolition Work includes all Work to demolish the existing refractory dome:

The Contractor shall furnish all required labor, materials, tools and equipment for the dismantling, removal, storage (only for tuyeres), and disposal (on-site or ADDITIONAL ITEM #1) of the existing components, materials and miscellaneous items.

- A. All work to remove the existing refractory dome, including demolition and removal of the existing dome and tuyeres. The dome shall be carefully removed, to insure that the existing skewbacks are not damaged during dome removal.
- B. For the base bid, the Contractor shall remove all demolition debris and place it into Owner's designated disposal container (supplied by the owner) on-site. For ADDITIONAL ITEM #1, the Contractor shall instead supply a dumpster for demolition debris and dispose of all demolition debris when completed.
- C. The Contractor shall remove the existing tuyeres, including retaining bars, rods, bolts, nuts, etc. The existing tuyeres shall be cleaned by the Contractor during demolition. Cleaned tuyeres shall be placed in storage on-site as directed by the Owner.
- D. Any damaged finishes on equipment or facilities due to work on this Contract, shall be repaired and / or finish painted by the Contractor.

1.03 INSPECTION (ADDITIONAL ITEM #2)

- A. After removal of the dome has been completed, the Owner's representative has the option to request that an inspection report on the dome skews be submitted to the Owner. Once the skewbacks are visible, if it is decided that they are unsuitable for reuse then ADDITIONAL ITEM #2 will not be required.
- B. The Contractor shall supply a trammel for dome skew inspection. The trammel shall be securely mounted to the windbox floor at the centerline of the dome and have a sweep arm for accurate measurement of the skew radius.
- B. The Contractor shall use the trammel to determine the center of the skew circle, and the variation in skew radius at both the top and bottom (where the dome rests) of the skew blocks.
- C. The Contractor shall prepare a report listing the radius to each skew block, describing the

physical condition of the skews, and indicating the Contractor's recommendation/opinion regarding reuse of the existing skews for support of the new dome.

- D. The trammel may be removed by the Contractor following the issuance of the report with opinion document and inspection by Engineer and Owner.

1.04 DISPOSAL

- A. All existing materials and components removed in the performance of the Work and designated by the Owner for disposal shall be removed and disposed of by the Contractor, either on-site or in accordance with the ADDITIONAL ITEM #1.
- B. The Contractor shall be responsible for the proper disposal of all construction debris and parts not to be reinstalled, resulting from the performance of the Work. Final disposal under ADDITIONAL ITEM #1 shall conform with all federal, state, and local regulations.

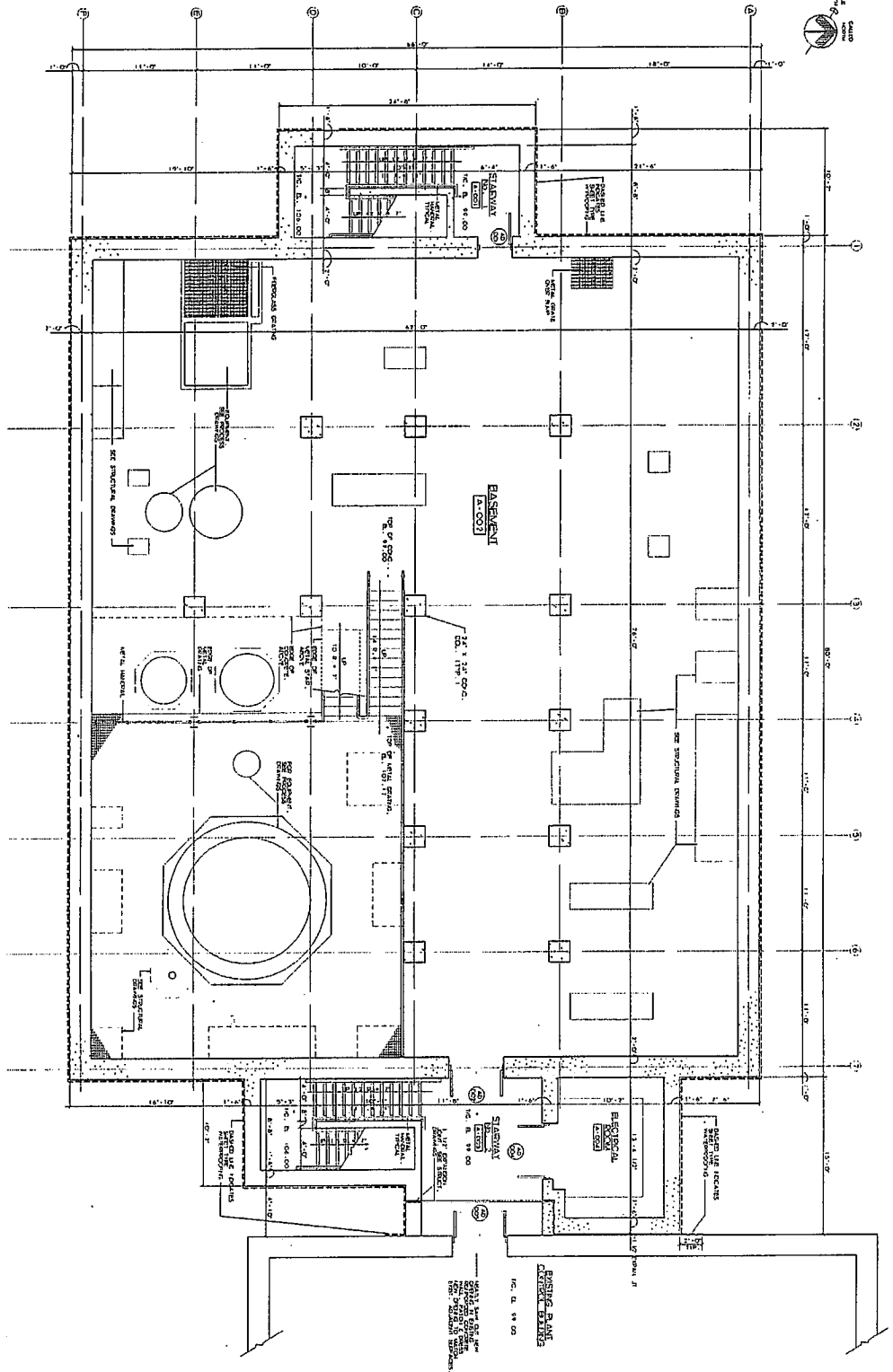
PART 2 - PRODUCTS - Not Required

PART 3 - EXECUTION

3.01 PROCEDURE

- A. Plan Work to coordinate with the work of the other trades and schedule Work to avoid interferences and delays in completion of any interrelated work.
- B. The Contractor shall start work as soon as possible, plan work, and supply sufficient labor, to complete the Work as rapidly as possible. All work is to be completed within 5 working days from notice to proceed.
- C. All forms, supports, staging, shoring, and bracing necessary for controlled demolition of the existing dome shall be furnished, placed and removed by the Contractor.
- D. The Work shall be performed in accordance with the best practices of the trades and shall conform to all federal, state, and local codes.

*** * * END OF SECTION * * ***



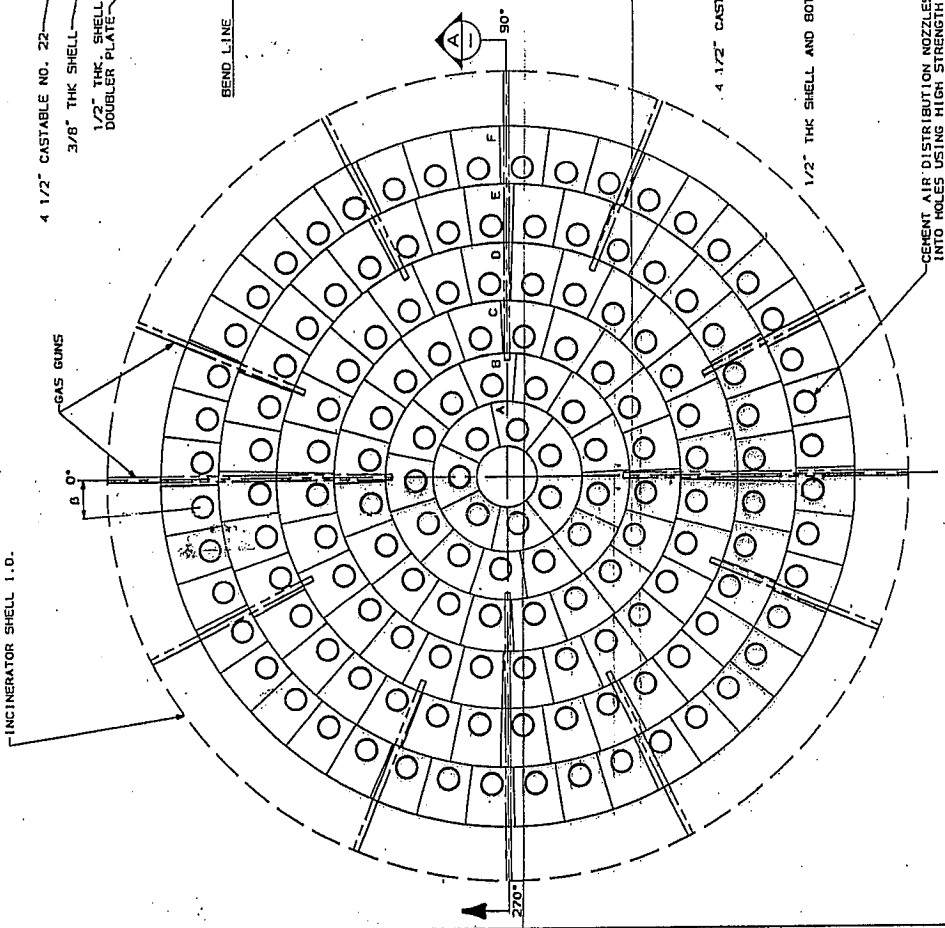
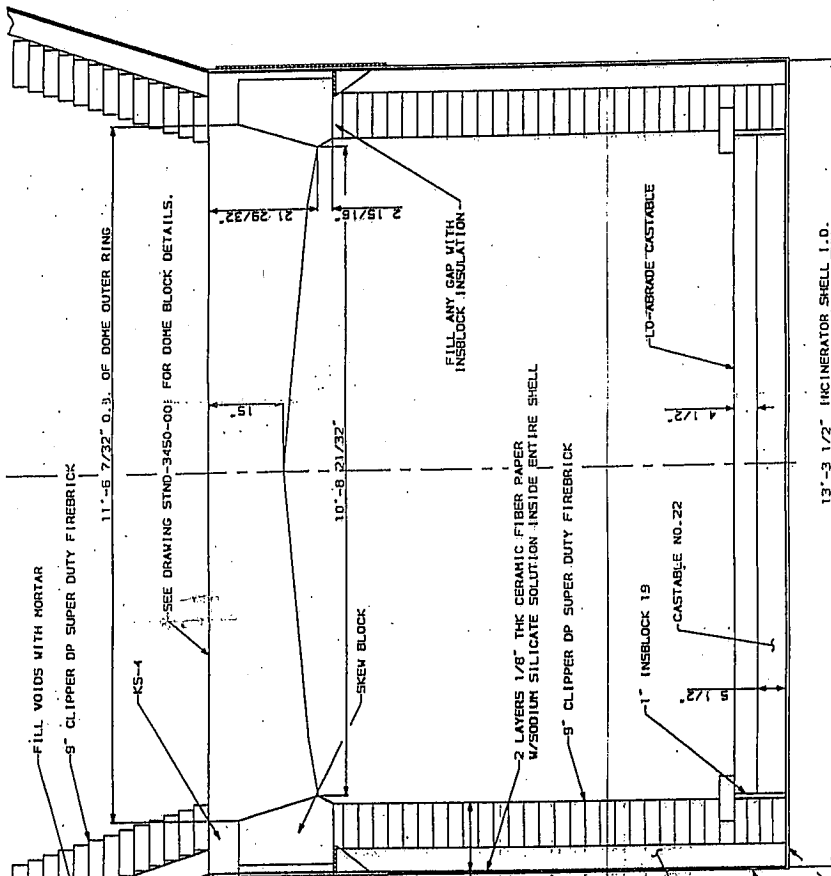
BASEMENT FLOOR PLAN
 SCALE: 1/4" = 1'-0"

NOTE: THIS DRAWING IS PART OF THE RECORD SET FOR THE PROJECT. IT IS TO BE KEPT WITH THE RECORD SET AND NOT REPRODUCED OR COPIED WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.

Kennam Associates

10000 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	BAYSHORE REGIONAL SEWERAGE AUTHORITY MORRISON COUNTY, NEW JERSEY WATER POLLUTION CONTROL FACILITY SLUDGE INCINERATION FACILITIES ARCHITECTURAL SLUDGE DEWATERING / INCINERATION BUILDING BASEMENT FLOOR PLAN	KILLAM 27 Beach Street Morristown, New Jersey 07960	KENNETH L. ZIPFLER Professional Engineer - N.J. Lic. No. 18324 Date: 12/14/11	Drawn: O.W. Checked: R.J.B. Project: 2-52 Title: 11/12/11 Date:	Reason:
	Contract No. 23				

2 LAYERS 1/8" THK CERAMIC FIBER PAPER
1/4" SODIUM SILICATE SOLUTION INSIDE ENTIRE SHELL



SECTION A

FOR RECORD PURPOSES	REV	DATE	BY	CHKD
ISSUED FOR CONSTRUCTION	JTT			
INCINERATOR TUBES ARRANGEMENT				
PROJECT NO.	045-1762	3450	114762-3450-009	1111
DATE	11	10	11	11

NOTE, ϕ INDICATES ANGLE FROM 0° CENTERLINE OF INCINERATOR TO CENTERLINE OF FIRST TUBE TO THE LEFT OF CENTER.

RING	A	B	C	D	E	F
ϕ	0°	2.5°	11°	5°	1.5°	5.18°