

J. A. JONES CONSTRUCTION COMPANY  
 CONSTRUCTION WORK PROCEDURE  
 FOR  
 CLAM SHELL FILTER BLANKET PLACEMENT

WATERFORD SES UNIT NO.3  
 CONTRACT NO. W3-NY-4

REV.	DATE	ENGINEERING APPROVED BY	DATE	QUALITY ASSURANCE APPROVED BY	DATE	CONSTRUCTION APPROVED BY	DATE
0	10/13/75	al Prince	10/14/75	Philip L. Johnson	10/15/75	Les Terry	10/14/75
1	10/15/75	al Prince	10/16/75	Philip L. Johnson	10/16/75	R. T. Foster	10-16-75

FREEDOM OF INFORMATION  
 ACT REQUEST

84-455

C/673

B506220152 B50222  
 PDR FOIA  
 GARDE84-455 PDR

REVIEWED *up comments*  
 QUALITY ASSURANCE

BY: *P. L. Johnson* (EBASCO)

DATE: *10-16-75*

CONSTRUCTION WORK PROCEDURE	PROCEDURE NO. W-WP-2
TITLE: CLAM SHELL FILTER BLANKET PLACEMENT	REV. NO 1 & DATE: 10/15/75
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1.0 PURPOSE

To outline methods and techniques to be used by J. A. Jones and Subcontractors to handle, place and compact Clam Shell Filter Blanket and mud slab.

2.0 SCOPE

This procedure includes the required references to be used by J. A. Jones and its Subcontractors to comply with approved construction drawings and specifications.

3.0 DEFINITIONS

None

4.0 REFERENCES

4.1 Ebasco Services, Inc. Specification No. LOU-1564.482, latest revision, "Filter and Backfill".

4.2 J. A. Jones Construction Work Procedure W-WP-9, "Slope Protection".

4.3 J. A. Jones Site Inspection and Test Procedure No. W-SITP-2, "Clam Shell Filter Blanket Inspection".

4.4 J. A. Jones Construction Work Procedure W-WP-16, "Mud Slab Placing, Curing, Finishing and Repair".

5.0 RESPONSIBILITIES

5.1 Ebasco Services, Inc. is responsible for furnishing, receiving inspection, acceptance, and testing of all required materials, the geotechnical mapping, release of area for clam shell fill, installation of instrumentation within the shell layer, compaction testing, release of shell foundation for concrete mud slab and final test reports and acceptance of foundation placement

5.2 J. A. Jones and Subcontractors are responsible for the handling, placing and compaction of the clam shell foundation, the design, installation and operation of drainage ditch and sump system, the guniting of final exposed vertical faces around the perimeter of the foundation and installing concrete mud slab.

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6.0 DRAINAGE

The drainage ditch and sump shall be installed per the J. A. Jones design, which shall be reviewed by the Engineer.

7.0 GUNITE

Gunite shall be applied per requirements set forth in Reference 4.2.

8.0 EQUIPMENT

8.1 Spreading equipment shall be a steel tread bulldozer, size JD-450, or approved equal.

8.2 Compacting equipment shall be a 12 ton dynamic self-propelled smooth drum vibrating roller.

8.3 Areas not accessible to the 12 ton roller shall be compacted with a vibrator plate, mechanical tamper, small vibratory roller approved by the Engineer.

8.4 Rubber-tired front-end loader or dump truck.

9.0 TRAFFIC

Traffic on the exposed clay foundation material or the clam shell shall be limited to the spreading and compaction equipment. No vehicles shall be allowed on exposed silty-sandy foundation material in the excavated strip without prior approval of the Engineer.

10.0 PROCEDURE

10.1 Receive release by Engineer of completed sections of excavated strip prior to performance of work.

10.2 Receive direction from Engineer outlining area to be covered with filter cloth material.

10.3 Install furnished and approved filter cloth material on directed area. Material shall be requested on Form 136(X)/2-75.

10.4 Place furnished and approved clam shell material on area to be filled. Material shall be requested on Form 136(X)/2-75.

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10.5 Spread the clam shell material in one layer such that the final compacted, in-place thickness shall be 12 inches using the approved spreading equipment. Care must be taken to avoid damage to the filter cloth material, pore pressure indicators, other instrumentation and gunite. Damaged materials and instrumentation must be replaced under the supervision of the Engineer.

10.6 Compact the evenly spread clam shell using the approved compacting equipment. Compaction shall be uniform over the entire area. Compaction shall be obtained by approximately 10 passes with approved equipment (one direction of travel being defined as one pass) traveling at 1.5 to 3.0 mph and vibrating at full vibration or as directed by Engineer with information based on compaction test.

10.7 In areas unaccessible to 12 ton roller, compaction shall be reached by other approved means. These areas shall be compacted to the satisfaction of the Engineer.

10.8 The final compacted in-place thickness shall be from 10 to 14.5 inches.

10.9 Assure the top of the shell filter blanket to be within  $+\frac{1}{2}"$   $-\frac{1}{4}"$  of the design elevation shown on the approved construction drawings.

11.0 MUD SLAB

A concrete mud slab shall be installed over the Clam Shell Filter Blanket per Reference 4.4.

12.0 GENERAL

12.1 All permanent exposed surfaces excavated shall be covered with clam shell or other approved protective materials each day to prevent disturbance of the exposed foundation material.

12.2 Personnel activity on any engineer-approved portion of the Clam Shell Blanket or foundation material shall be kept to a minimum.

12.3 Any contaminated or unacceptable clam shell material shall be removed and replaced.

12.4 After random compaction tests have been performed by the Engineer, any area not meeting required compaction shall be recompacted and retested until the required compaction is reached.

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<p>12.5 Acceptable weather conditions shall be determined by the Engineer. In no case shall shell be placed during heavy rain or on top of or into a pool of water.</p> <p>12.6 All questions regarding preparation, placement and protection of the compacted shell shall be referred to the Engineer. The decisions by the Engineer are final. No work shall start or continue without the consent of the Engineer.</p> <p>12.7 Upon completion of fill operations, slopes of any storage area shall be dressed up, any waste piles leveled off, and debris and trash created by the fill operation cleaned up.</p> <p>12.8 Visual inspection by a J. A. Jones Quality Verification Inspector shall be performed on all operations to assure compliance with job requirements. No testing or test result documentation shall be performed by J. A. Jones in accordance with Reference 4.3.</p> <p>13.0 <u>ATTACHMENTS</u></p> <p>None</p>	