

Procedure No. W-WP-2

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

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

FOR INFORMATION ONLY

REV.	DATE	ENGINEERING APPROVED BY	DATE	QUALITY ASSURANCE APPROVED BY	CONSTRUCTION APPROVED BY	DATE
0	10/13/75	cl Prince	10/14/75	Philip L. Schenck	10/14/75	10/14/75

FREEDOM OF INFORMATION
ACT REQUEST

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PDR FOIA
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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, "~~Clam Shell Filter Blanket~~". *Filter 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. Also, the geotechnical mapping, release of area for clam shell fill, compaction testing, release of shell foundation for concrete mud slab and final test reports and acceptance of foundation placement.

** INSTALLATION OF Instrumentation within the Shell Layer,*

5.2 J. A. Jones and Subcontractors are responsible for the handling, placing and compaction of the clam shell foundation, the design, ~~and~~ installation *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 ~~approved design~~ *JA Jones Design which shall be reviewed by the Engineer*.

7.0 GUNNITE

Guniting 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 Clam shell bucket crane *or Rubber tire front end loader. ?*

9.0 TRAFFIC

Traffic on the exposed ^{clay} foundation material or the clam shell shall be limited to the spreading and compaction equipment. No ~~other~~ vehicles shall be allowed on the excavated strip without prior approval of the Engineer.

exposed silt/sandy foundation materials

10.0 PROCEDURE

10.1 Receive release by Engineer of ^{completed sections of} ~~filled~~ 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 requested on Form*

10.4 Place furnished and approved clam shell material on area to be filled. *material requested on Form*

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10.5 Spread the clam shell material in an ~~approx~~ ^{approximated} 12 inch layer using the approved spreading equipment. Care must be taken to avoid damage to the filter cloth material, ~~port~~ ^{pressure} indicators, ~~and other instrumentation~~ ^{and other instruments}. Damaged materials ^{instruments} must be replaced ~~as directed~~ ^{under the supervision} by 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 13 inches.

10.9 Assure the top of the shell filter blanket to be within $\pm \frac{1}{2}$ " ^{1 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 ~~fine~~ ^{permanent} exposed surfaces excavated shall be covered with clam shell or other approved ~~protective membrane~~ ^{materials} each day to prevent disturbance of the exposed foundation material. ^{what do you mean?} ~~does this mean concrete?~~

12.2 Activity on any engineer-approved portion of the Clam Shell Blanket or foundation material shall be kept to a minimum. No Vehicular Traffic

12.3 Any contaminated or unacceptable clam shell material shall be removed and replaced ~~at the direction of the Engineer.~~

12.4 After random compaction tests have been performed by the Engineer, ~~areas~~ ^{areas} not meeting required compaction shall be recompacted and retested until the required compaction is reached, ~~if required~~

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12.5 Acceptable weather conditions shall be determined by the Engineer. In no case shall fill be placed during heavy rain or on top of or into a pool of water.

12.6 All questions regarding preparation, placement and protection of the compacted fill 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.

12.7 Upon completion of fill operations, dress up slopes of any storage area, ^{shall be} ~~shall be~~ level off ~~waste piles~~ ^{in accordance with} ~~all debris and trash created~~ by the fill operation ^{shall be cleaned to the satisfaction of the Engineer}

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.

13.0 ATTACHMENTS

None