

J. A. JONES CONSTRUCTION COMPANY

CONSTRUCTION WORK PROCEDURE

FOR

HANDLING, INSTALLATION, AND FIELD REPAIR
OF WATERSTOPS

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	10/10/75	al Prince	10/14/75	Phillip L. Schenck	10/14/75	HR Bent	10-15-75
1	10/27/75	al Prince	10/27/75	HP Hentelmann	10/27/75	Les Terry	10-27-75
2	5-3-77	Chapman	5/4/77	L. W. Wain	5/4/77	D. E. Harris	4/5/77

FREEDOM OF INFORMATION
ACT REQUEST

84-455

c/686

8506220206 850222
PDR FOIA
GARDE84-455 PDR



CONSTRUCTION WORK PROCEDURE	PROCEDURE NO. W-WP-8
TITLE OF PROCEDURE: HANDLING, INSTALLATION, AND FIELD REPAIR OF WATERSTOPS	Issue Date: 10-15-75
PROJECT TITLE: WATERFORD SES UNIT NO. 3 CONTRACT NO. W3-NY-4	Rev. No. & Date: 2 5-3-77

1.0 PURPOSE

To outline methods used by J. A. Jones and Subcontractors to handle, test and install, and field repair of waterstops.

2.0 SCOPE

This procedure shall govern installation, field repairs, reinstallation of waterstops and includes the proper references to be used by J. A. Jones and Subcontractors to comply with specifications and drawings. The utilization of records necessary to provide traceability is also part of this procedure.

3.0 REFERENCES

- 3.1 Ebasco Specification No. LOU-1564.476, latest revision, "Waterstops".
- 3.2 Federal Test Method Standard No. 601, Method 4111.
- 3.3 J. A. Jones Site Inspection and Test Procedure No. W-SITP-8; "Waterstop Inspection".
- 3.4 Engineering Information Request 200-7, dated March 18, 1976.
- 3.5 Sika Chemical Company brochure for "Sikadur Epoxy Adhesives".
- 3.6 Field Change Request CH-40, dated March 30, 1976.

4.0 RESPONSIBILITIES

- 4.1 Ebasco Services, Incorporated is responsible for supplying waterstop material, certification and material testing and testing of all factory made splices in accordance with Reference 3.1.
- 4.2 J. A. Jones and Subcontractors are responsible for handling, splicer training, job made splice testing, splicing and installation of water-stop as required by Reference 3.1.

5.0 DEFINITIONS

A "test unit" shall be defined as per Section 2 of Reference 3.2.

6.0 SPLICES

All splices may be job made.



CONSTRUCTION WORK PROCEDURE	PROCEDURE NO. W-WP-8
TITLE OF PROCEDURE: HANDLING, INSTALLATION, AND FIELD REPAIR OF WATERSTOPS	Issue Date: 10-15-75
PROJECT TITLE: WATERFORD SES UNIT NO. 3 CONTRACT NO. W3-NY-4	Rev. No. & Date: 2 5-3-77

7.0 PERSONNEL

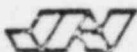
Each craftsman making splices shall be trained in the method of making splices. Three (3) "test unit" sample splices shall be made by the craftsman prior to making production splices. These three "test units" shall be turned over to the Engineer for testing as required by Reference 3.1. Additional "test unit" samples shall be made, for testing as required. A log of trained splicers shall be maintained, see Attachment 12.3.

8.0 EQUIPMENT

Splicing Heater tool, Vinylex No. WC-1, manufactured by Vinylex Corporation, Knoxville, Tennessee, and shall be thermostatically preset for 460 degrees F and operate on 110V A.C.

9.0 PROCEDURE

- 9.1 Connect splicing heater tool to 110 A.C. outlet approximately 10 to 15 minutes prior to use to allow heat-up time to reach 460°F.
- 9.2 Overlap the two pieces of waterstop material to be spliced and cut as required, to ensure matching edges.
- 9.3 Press the straight cut edges against the pre-heated splicer heated tool blade for approximately 10 to 20 seconds or until PVC melts.
- 9.4 Quickly remove the heater tool blade and press the melted edges together to form a neat splice joint.
- 9.5 Do not stretch or move the spliced section for 30 seconds. To cool the material quickly, water may be used.
- R-2 9.6 Repairs of cuts in P.V.C. Waterstop may be made by completely cleaning the damaged area.
- R-2 9.7 Heat the base mat material and filler material using splicing heater tool.
- R-2 9.8 Fuse the filler material with the base material.
- R-2 9.9 Upon completion of fusing, excess filler material shall be removed and repaired area shall be reshaped by heating to obtain exterior configuration as necessary.



CONSTRUCTION WORK PROCEDURE	PROCEDURE NO. W-SP-8
TITLE OF PROCEDURE: HANDLING, INSTALLATION, AND FIELD REPAIR OF WATERSTOPS	Issue Date: 10-15-75
PROJECT TITLE: WATERFORD SES. UNIT NO. 3 CONTRACT NO. W3-NY-4	Rev. No. & Date: 2 5-3-77

- R-2 9.10 Repaired area shall be inspected and inspection documented.
- R-2 9.11 Repair waterstop not embeded properly. Chip concrete, straighted and support waterstop as required.
- R-2 9.12 Remove all dust, laitance, and other foreign particles.
- R-2 9.13 Coat concrete and waterstop with Sikadur-Hi-Mod Epoxy, per manufacturer's recommendations.
- R-2 9.14 Void shall be filled by one of the following methods:
a.) Sikadur-Hi-Mod Epoxy and sand mix (one part epoxy to three parts sand)
b.) Sikadur-Lo-Mod Gel and sand mix (one part epoxy to 1½ parts sand)
c.) Sikadur-Lo-Mod Epoxy and sand mix (one part epoxy to three parts sand)
d.) Dry-pack per LOU-1564.472, Section 5.10.

10.0 TEST UNITS

"Test units" shall be made to meet the following requirements:

- 10.1 Three (3) "test units" shall be made by each splicer craftsman for qualification. In addition, one (1) "test unit" shall be made when splicer craftsman is changed or as deemed necessary by the Engineer.
- 10.2 One (1) "test unit" shall be made for each ten (10) field splices.
- 10.3 "Test units" may be taken from splices made in waterstop in the structure or from "companion" waterstop placed alongside the actual waterstop to be used for the sole purpose of obtaining test samples.

11.0 CONDITIONS

Job made "test units" shall be made under normal job working conditions.

12.0 GENERAL

J. A. Jones shall correct deficiencies as directed by the Engineer.

13.0 ATTACHMENTS

- 13.1 Waterstop Splicer's Training Record
- 13.2 Splicer's Training Verification Card
- 13.3 Trained Splicers Log

J. A. JONES CONSTRUCTION COMPANY
WATERFORD SES UNIT NO. 3
CONTRACT NO. W3-NY-4

WATERSTOP SPLICER'S TRAINING RECORD

Splicer's Name: _____ Badge No.: _____

Trained By: _____ Date: _____

Witnessed By
J. A. Jones Q.C.: _____ Date: _____

Witnessed By
Ebasco Q.C.: _____ Date: _____

Remarks: _____

Contractor's
Representative: _____
Date

SPLICER'S TRAINING VERIFICATION CARDFront**J. A. JONES CONSTRUCTION COMPANY**

Name:

Employee No.:

Stamp No.:

We certify that the above named individual is qualified ~~to work~~ in accordance with the ~~Standard~~ Procedure(s) listed on the back of this card.

Examiner:

Date:

Form No. 1127-1, Oct. '75

Back

Procedure No.:

Position(s)

