



VOIDSPAN INSTALLATION GUIDE #S3

STONEWORK CONSOLIDATION w/ TEMPORARY TIE RODS

OUTLINE SPECIFICATION (See *DETAILS* on second page)

Intent of Work-

To stabilize weakened stonework in place and improve its strength by laterally tying, consolidating with solidifying injected grout.

Suitability-

The work described herein is best suited for conditions where the mortar bonding within mass stone masonry is deteriorated and friable and functionally suitable for frequent core drilling.

Required Materials, Products and Equipment-

VoidSpan 500 Series PHLc Gravity Feed Grout or 600 Series PHLc70 Injection Grout

VoidSpan 1200 Series Jetting Wands

VoidSpan 3000 Series Standpipe Piezometers

VoidSpan 4000 Series Pressure Pot (or equivalent pressure regulating pump) with 5/8" ID feed lines

Masonry mortar materials and potable water

Temporary wooden dunnage as needed with threaded rods

Color matching repair mortar

Scope of work-

1. CORE DRILL ROD HOLES
2. JET CLEAN WALL CORE
3. INSTALL TIE RODS
4. DRILL PORT HOLES
5. INSTALL CLAMPING DUNNAGE- SEE **INSTALLATION GUIDE "D1"**
6. POINT MORTAR JOINTS
8. INSERT PORTS INTO PIEZOMETER AND HOOK UP PUMP OR POT
9. INJECT UNTIL PIEZOMETER OVER-TOPPED- SEE **INSTALLATION GUIDE "G1" OR "G2"**
10. CRIMP TUBES WHEN DONE
11. REMOVE DUNNAGE
12. PATCH PORT AND ROD HOLES

Responsibility-

It is the responsibility of the *Specifying Engineer* to determine the specifics of the structural design and use of the VoidSpan Reinforcement System and to confirm its appropriateness for the application. Note that the details and suggested methods are presented herein as schematic representations only, and actual field conditions will vary.

It is the responsibility of the *System Installer* to understand the requirements of the installation and execute the installation in a safe and correct manner.

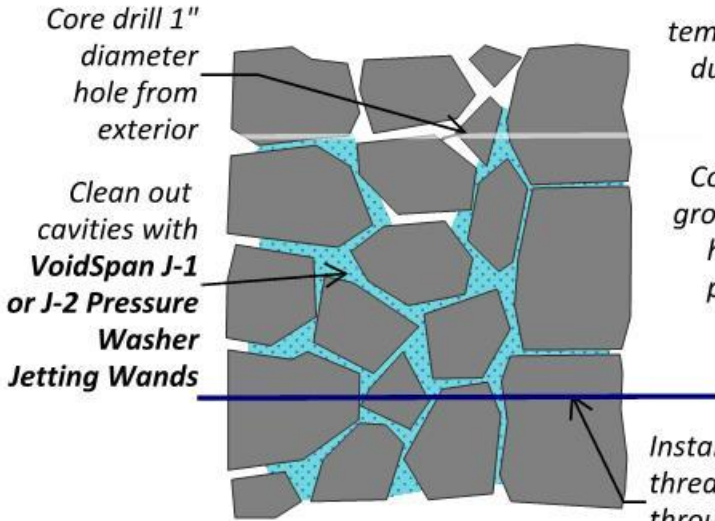
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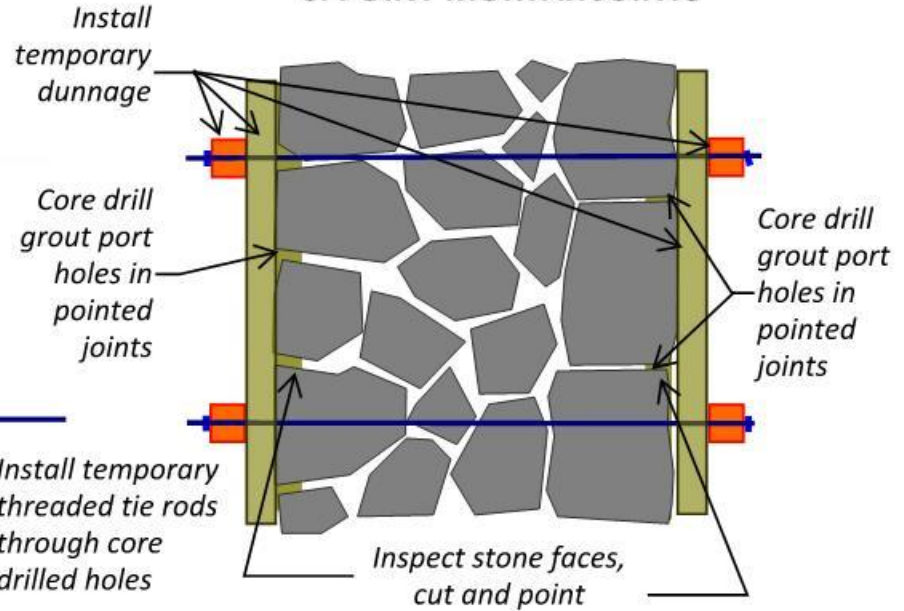
Step-

1. CORE DRILL ROD HOLES
2. JET CLEAN WALL CORE
3. INSTALL TIE RODS



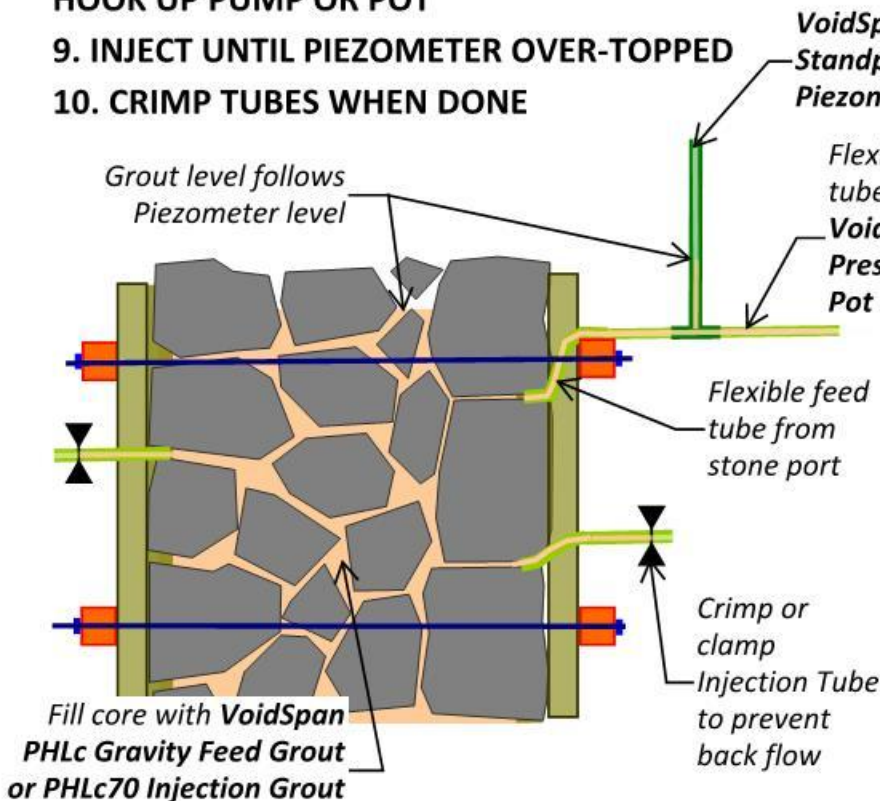
Step-

4. DRILL PORT HOLES
5. INSTALL CLAMPING DUNNAGE
6. POINT MORTAR JOINTS



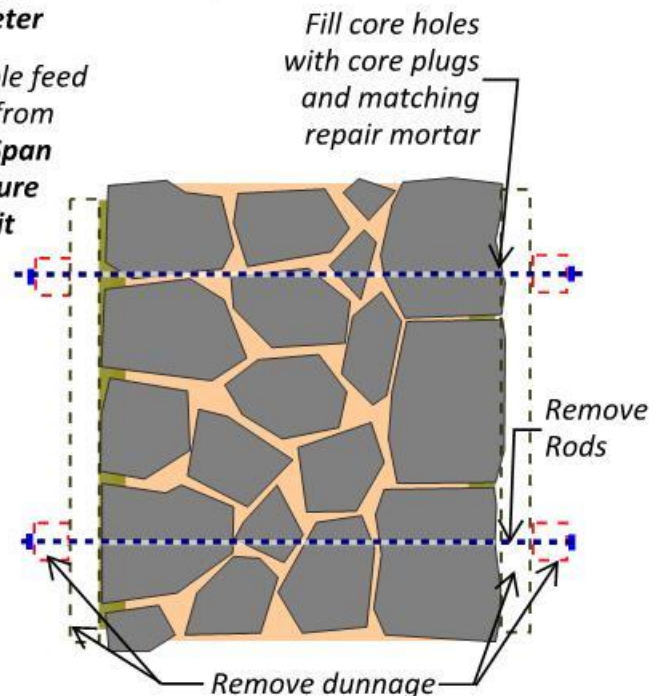
Step-

8. INSERT PORTS INTO PIEZOMETER AND HOOK UP PUMP OR POT
9. INJECT UNTIL PIEZOMETER OVER-TOPPED
10. CRIMP TUBES WHEN DONE



Finish-

11. REMOVE DUNNAGE
12. PATCH PORT AND ROD HOLES



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