

GENERAL NOTES

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PLAN NO. BR-62-86

ITEM SPECIAL: FILTER FABRIC CONCRETE BAGS

A. DESCRIPTION

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING FILTER FABRIC CONCRETE BAGS IN ACCORDANCE WITH THESE SPECIFICATIONS AND REASONABLY CLOSE CONFORMANCE WITH THE DESIGN AND DIMENSIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS INCLUDING FILTER FABRIC, CONCRETE GROUTING, DOWEL BARS AND ALL OTHER ITEMS OF WORK, NOT ITEMIZED AS SEPARATE ITEMS, NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF FILTER FABRIC CONCRETE BAGS.

B. MATERIALS

FILTER FABRIC BAGS SHALL BE MADE OF HIGH STRENGTH PERMEABLE FABRIC AS MANUFACTURED BY CONSTRUCTION TECHNIQUES, INC. SEAMS SHALL BE FOLDED AND DOUBLE STRETCHED. EACH BAG SHALL BE PROVIDED WITH A SELF CLOSING INLET VALVE TO ACCOMMODATE INSERTION OF CONCRETE PUMPING HOSE.

FILTER FABRIC CLOTH UNDERLAYMENT OR A SUPPORTING PLATFORM OF FILTER FABRIC CONCRETE BAGS SHALL CONFORM TO THE REQUIREMENTS OF CMS 712.09, TYPE B, FILTER BLANKETS OR ROCK CHANNEL PROTECTION.

CONCRETE GROUTING SHALL CONSIST OF MIXTURE OF CEMENT, AGGREGATE, ADMIXTURES, AND WATER SO PROPORTIONED AS TO PROVIDE A PUMPABLE MIXTURE. THE CONCRETE SHALL BE MACHINE MIXED ACCORDING TO CMS 499, EXCEPT THAT 499.03 DOES NOT APPLY. THE CONCRETE SHALL BE PROPORTIONED OF MATERIALS SPECIFIED IN CMS 499.02 TO PROVIDE A MINIMUM CYLINDER STRENGTH OF 3,000 PSI IN 28 DAYS, AS DETERMINED FROM THE TESTING BY THE LABORATORY, OF AT LEAST 3 CYLINDERS.

REINFORCING STEEL DOWELS SHALL BE EPOXY COATED REBAR DOWELS AND CONFORM TO THE REQUIREMENTS OF SUPPLEMENTAL SPECIFICATION 824.

C. CONTRACTOR QUALIFICATIONS

THE CONTRACTOR SHALL FURNISH RECORDS OF HIS PAST EXPERIENCE IN PERFORMING THIS TYPE OF WORK. HE SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A DESCRIPTION OF THE MATERIALS TO BE USED AND SCHEDULE OF INSTALLATION SEQUENCE.

D. INSTALLATION

INSTALLATION SHALL BE IN ACCORDANCE WITH THE INSTALLATION PROVIDED BY THE FILTER FABRIC CONCRETE BAGS 'S REPRESENTATIVE, WHO SHALL ACT THROUGH THE ENGINEER.

BEFORE PLACING THE FILTER FABRIC CONCRETE BAGS, THE GROUND SURFACE BELOW THE PROPOSED FILTER FABRIC CONCRETE BAGS SHALL BE EXCAVATED AND GRADED SMOOTH. FILTER FABRIC CLOTH SHALL BE INSTALLED FIRST. AFTER THE FILTER FABRIC CONCRETE BAGS ARE PLACED IN THEIR PLAN POSITION AND SECURED WITH THE EPOXY COATED REBAR DOWELS, THEN THE VOID OF THE BAGS AND VOID UNDER THE ABUTMENT FOOTING SHALL BE FILLED WITH CONCRETE GROUTING.

E. INSPECTION

THE FILTER FABRIC CONCRETE BAGS SHALL PROVIDE A MANUFACTURER'S REPRESENTATIVE WHO SHALL PROVIDE ON-SITE TECHNICAL ASSISTANCE TO THE ENGINEER AND ENSURE THAT THE CONTRACTOR FULLY UNDERSTANDS THE PROPER CONSTRUCTION PROCEDURES. THE REPRESENTATIVE SHALL PROVIDE THE ENGINEER A WRITTEN INSPECTION REPORT OF ALL MEASUREMENTS AND FINDINGS. THE REPRESENTATIVE SHALL BE A REGISTERED PROFESSIONAL ENGINEER OR WORK UNDER THE DIRECTION OF A REGISTERED PROFESSIONAL ENGINEER. THE FINAL INSPECTION REPORT SHALL BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER.

F. METHOD OF MEASUREMENT AND PAYMENT

THE FILTER FABRIC CONCRETE BAGS SHALL BE MEASURED A A UNIT AND WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE BID FOR ITEM SPECIAL: FILTER FABRIC CONCRETE BAGS. THIS PRICE SHALL BE PAYMENT IN FULL FOR FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS TO COMPLETE THE WORK AS SPECIFIED INCLUDING CONCRETE GROUTING UNDERNEATH THE EXISTING ABUTMENT FOOTING.