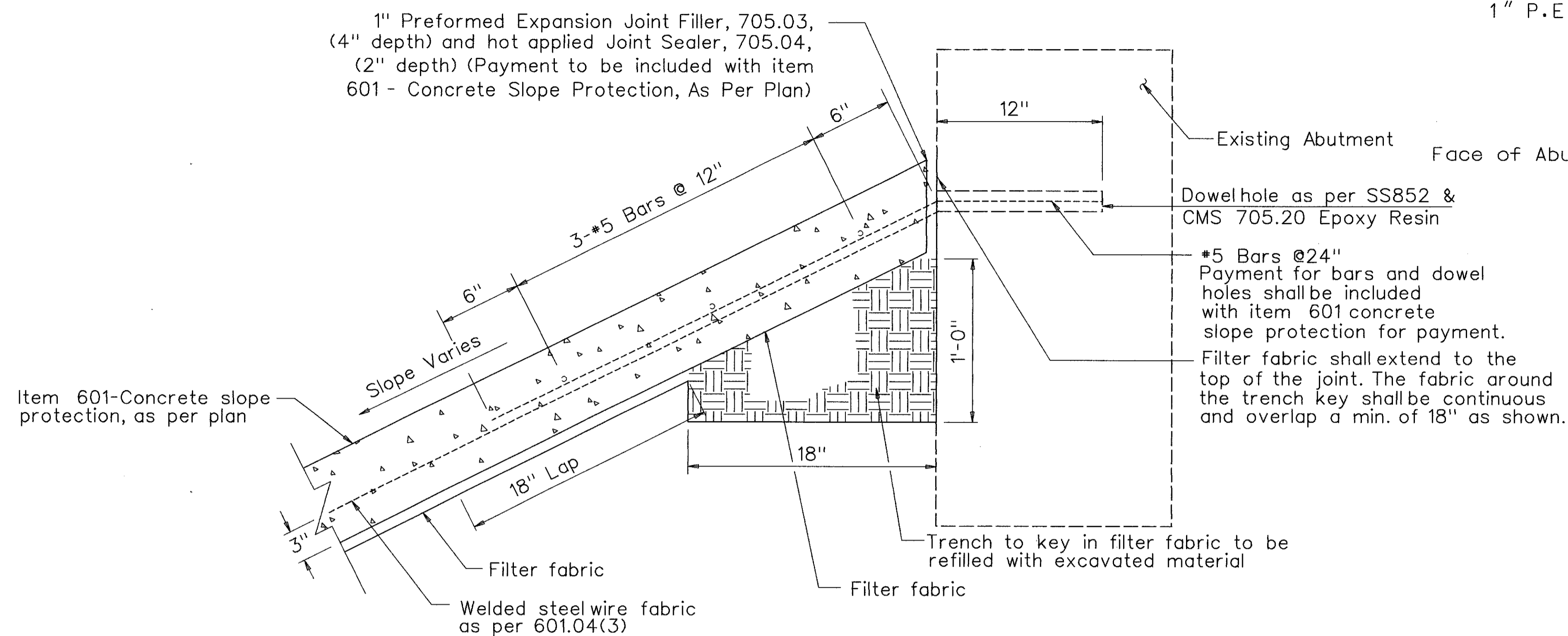


SLOPE PROTECTION DETAILS

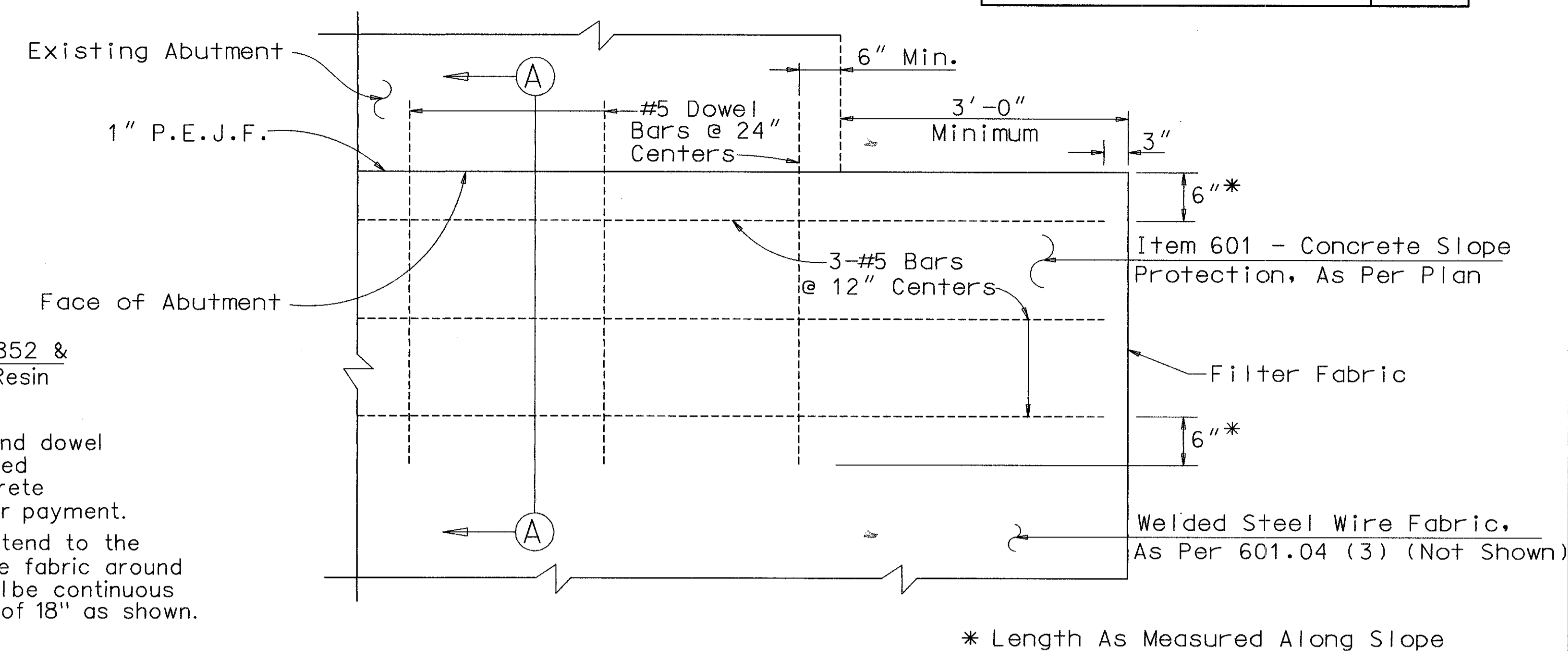
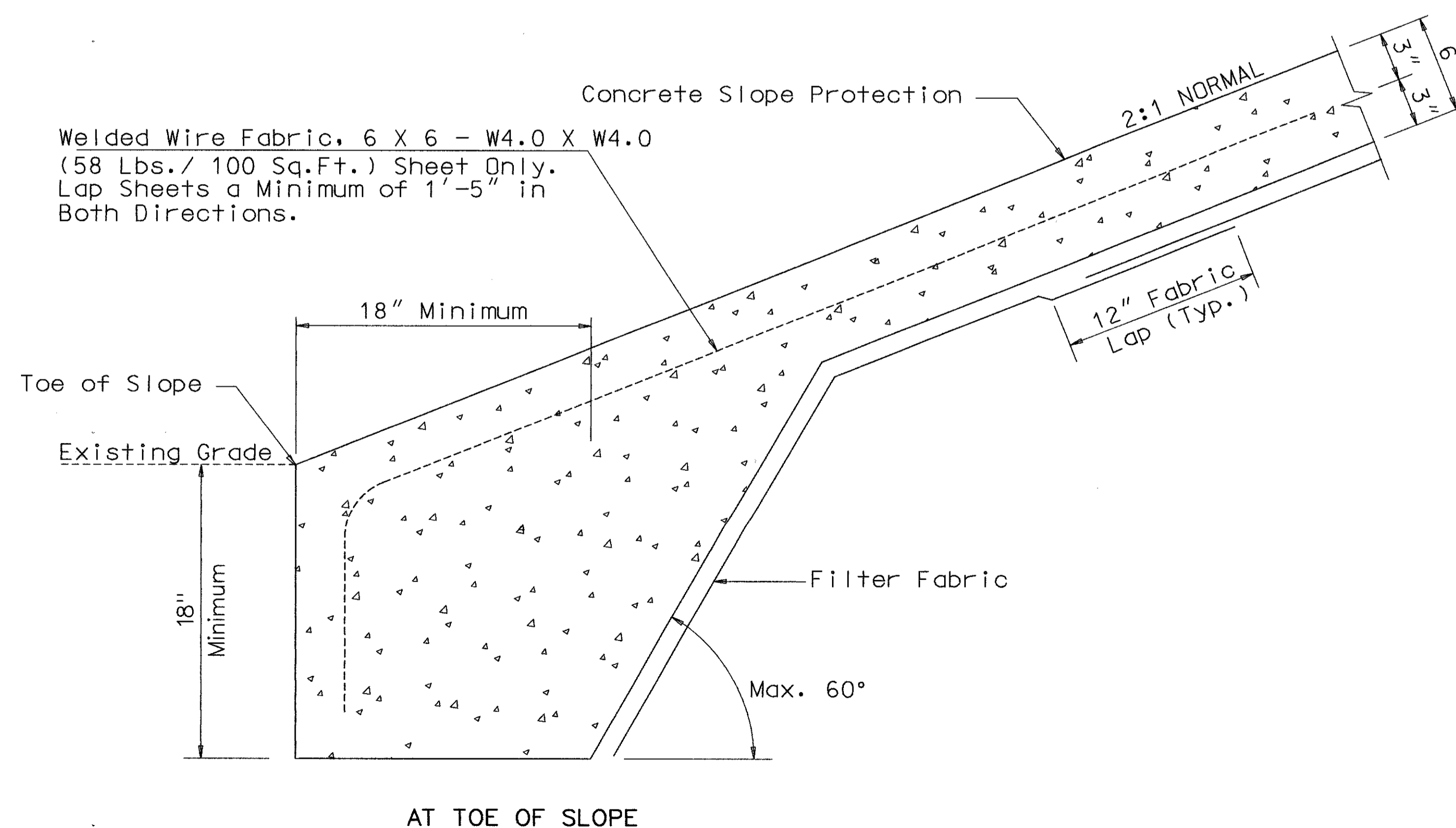
LAKE COUNTY
LAK-90-6.71

OHIO
FHWA
REGION 5

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CONCRETE SLOPE ANCHORING DETAIL
SECTION A-A



SLOPE PROTECTION REINFORCING DETAIL
PLAN VIEW

ITEM 601 - CONCRETE SLOPE PROTECTION, AS PER PLAN

THIS WORK SHALL INCLUDE THE FOLLOWING:

A. EXCAVATION OF EXISTING CRUSHED AGGREGATE SLOPE PROTECTION TO A DEPTH NECESSARY TO ESTABLISH A PROPER SUBGRADE DEPTH WHICH WILL ACCEPT THE PROPOSED SIX INCH THICK CONCRETE SLOPE PROTECTION. THE EXISTING CRUSHED AGGREGATE NEED NOT BE REMOVED IN ITS ENTIRETY; HOWEVER, THE CONTRACTOR SHALL GRADE THE REMAINING CRUSHED AGGREGATE TO PROVIDE A UNIFORM PLANE FOR THE SUBGRADE. ADDITIONAL MATERIAL MEETING THE REQUIREMENTS OF ITEM 203 MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, TO FILL VOIDS BETWEEN THE CRUSHED AGGREGATE.

AT THE CONTRACTOR'S OPTION, THE ENTIRE TWELVE INCH LAYER OF CRUSHED AGGREGATE SLOPE PROTECTION MAY BE EXCAVATED AND REPLACED WITH EMBANKMENT THAT MEETS THE REQUIREMENTS OF 203 AND WILL BRING THE PROPOSED SUBGRADE TO SIX INCHES BELOW THE FINAL GRADE OF THE PROPOSED CONCRETE SLOPE PROTECTION. THIS ADDITIONAL EXCAVATION AND EMBANKMENT WORK MAY BE DONE AT NO ADDITIONAL COST TO THE STATE.

B. PROPOSED SLOPE PROTECTION: THE INSTALLATION OF THE NEW WELDED STEEL WIRE FABRIC REINFORCED SLOPE PROTECTION AS SHOWN ON SHEET NO. 7 INCLUDING REINFORCING STEEL, WELDED STEEL FABRIC, 709.10, DOWEL HOLES AND GROUT, GEOTEXTILE FILTER, PREFORMED EXPANSION JOINT FILLER (P.E.J.F.) AND CONCRETE. THE FABRIC SHALL MEET THE REQUIREMENTS OF 712.09, TYPE B (NONWOVEN). FIELD SPLICES SHALL CONSIST OF 12 INCHES OVERLAP SECURED IN ANY MANNER SUITABLE TO THE ENGINEER THAT WILL ASSURE THAT THE OVERLAP IS MAINTAINED. OVERLAP CLOSURE AT THE TOP OF THE TRENCH SHALL BE 18 INCHES, SECURED AS ABOVE.

ALL COSTS OF CONSTRUCTING THE NEW SLOPE PROTECTION, INCLUDING ALL NECESSARY EMBANKMENT, EXCAVATION, REBARS, DOWELS, WELDED STEEL WIRE FABRIC, FILTER FABRIC, PREFORMED EXPANSION JOINT FILLER, JOINT SEALER, AND CONCRETE SHALL BE INCLUDED UNDER ITEM 601 - CONCRETE SLOPE PROTECTION, AS PER PLAN.

ITEM 601 - CONCRETE SLOPE PROTECTION, AS PER PLAN 500 SQ. YD.

RALPH C. TYLER, P.E., P.S., INC.
CIVIL ENGINEERS & LAND SURVEYORS
2143 FAIRHILL RD., CLEVELAND, OHIO 44106

CONCRETE SLOPE PROTECTION
LAK-90-0711

LAK-90-0767 LAK-90-1031
LAK-90-1007 LAK-90-1151

DESIGNED	DRAWN	CHECKED	REVIEWED	REVISED
R.J.K.	R.L.	K.P.	R.C.T.	
			DATE	SHEET

SLOPE PROTECTION DETAILS