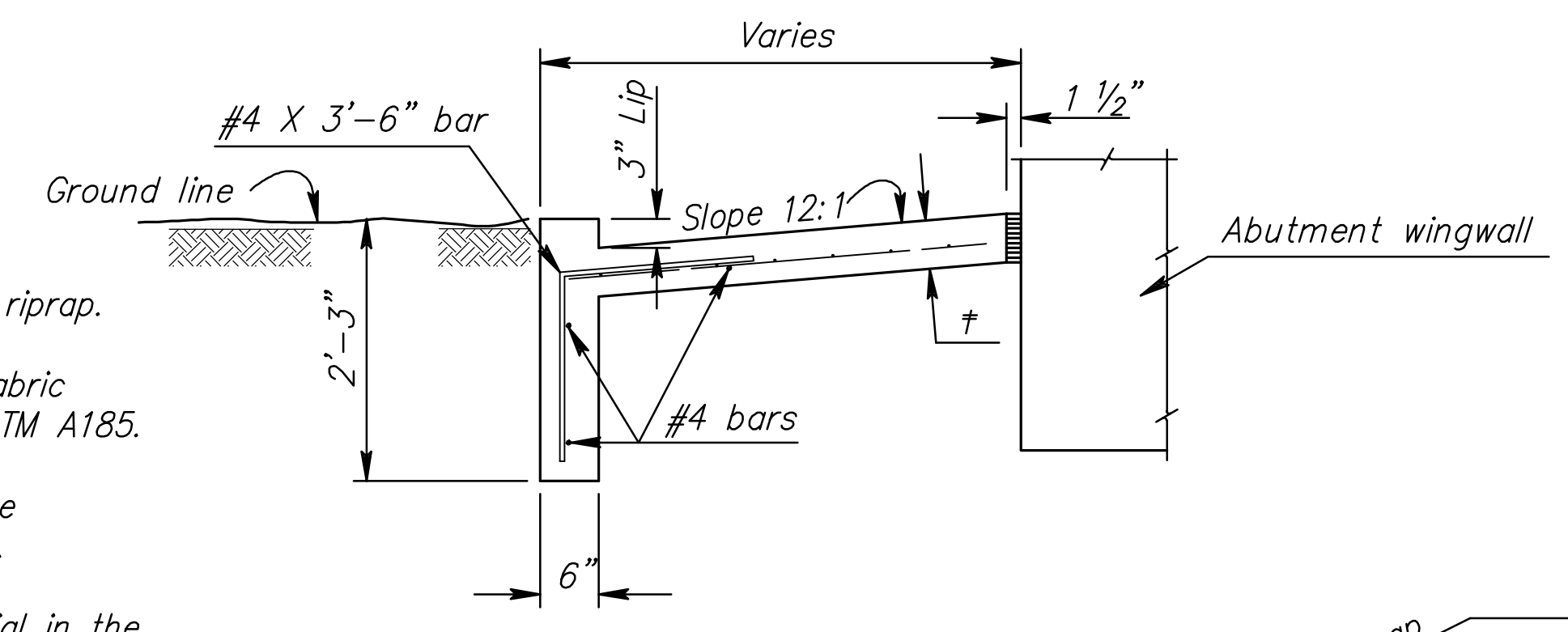


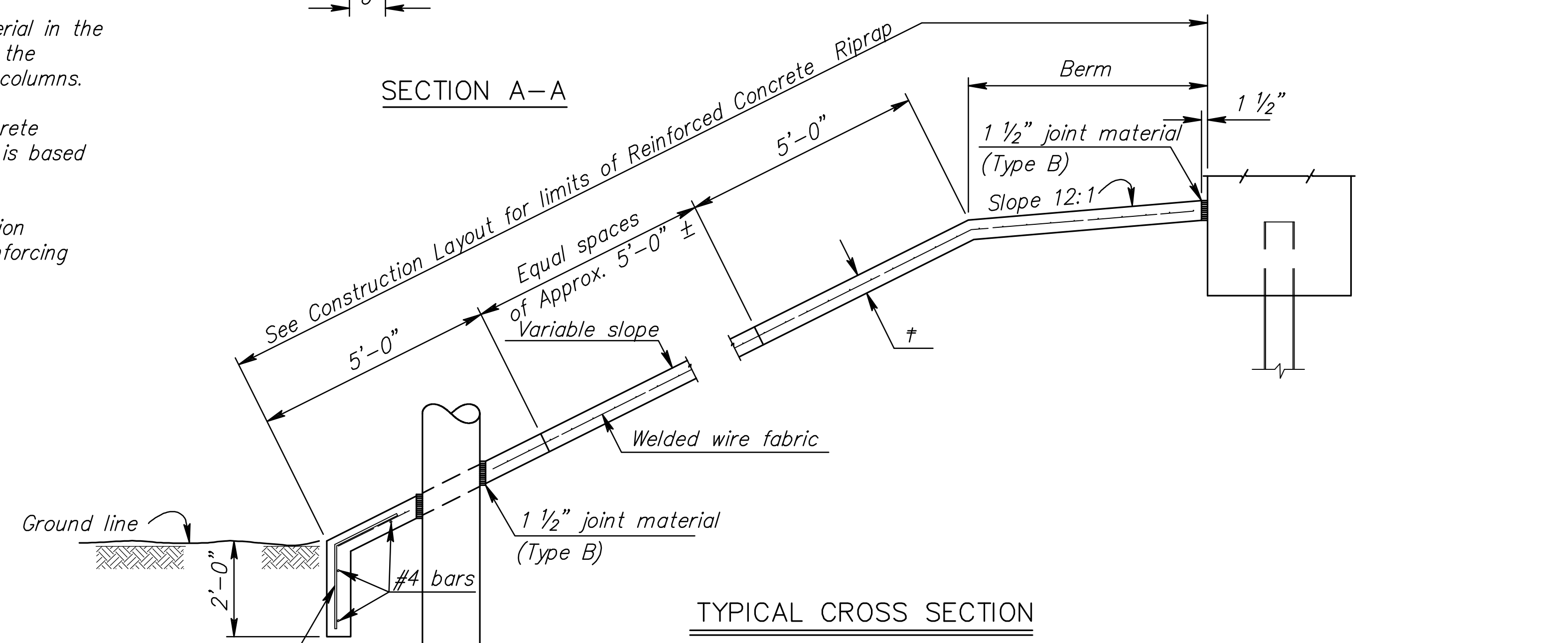
PLAN
(Showing Joint Layout)

Notes:

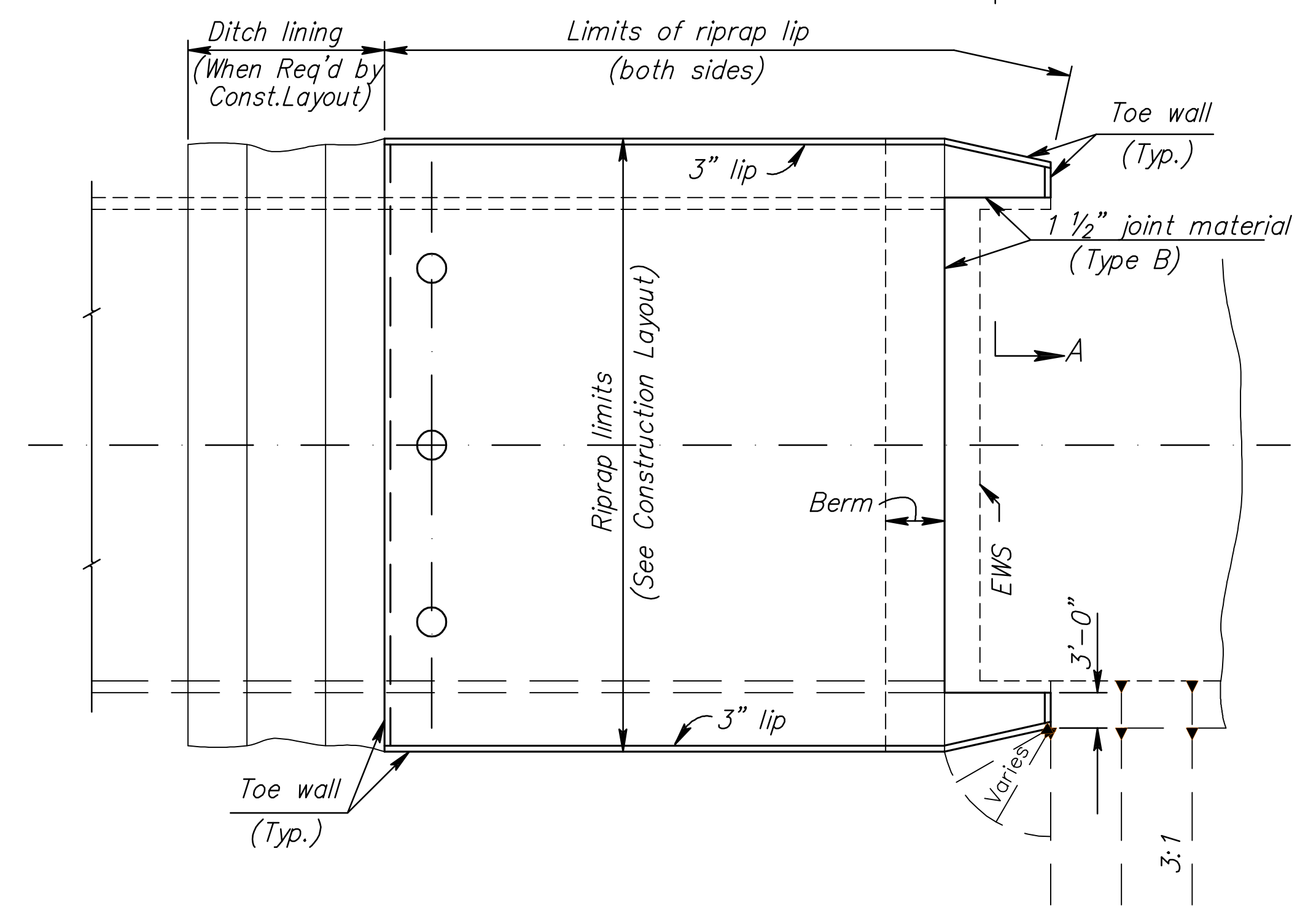
- Use Concrete (Grade 3.0)(AE) for the riprap.
- Use 6x6 - W1.4 x W1.4 welded wire fabric conforming to the requirements of ASTM A185.
- Use reinforcing steel conforming to the requirements of ASTM A615, Grade 60.
- Place 1 1/2" Type B expansion material in the joints caused by any intersection of the riprap with the abutment, wings, or columns.
- Measurement of the Reinforced Concrete Riprap shall be in square yards and is based on the outside surface area.
- The toe walls, 3" lip, Type B expansion material, welded wire fabric, and reinforcing steel are subsidiary to the bid item Reinforced Concrete Riprap.



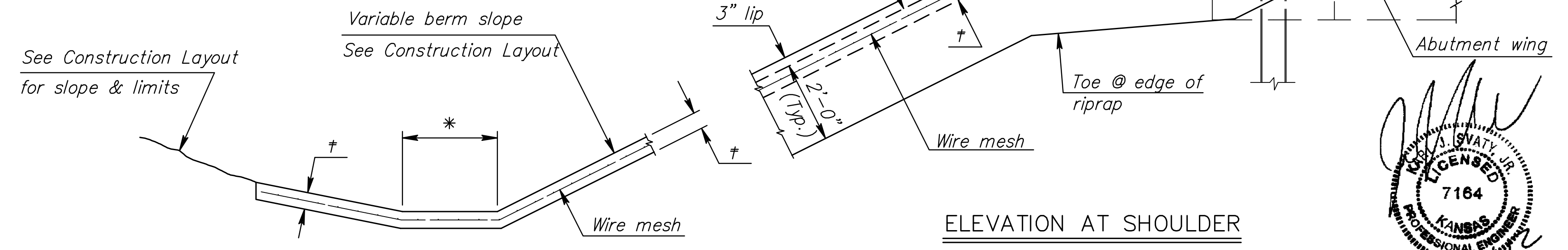
SECTION A-A



TYPICAL CROSS SECTION



TYPICAL PLAN



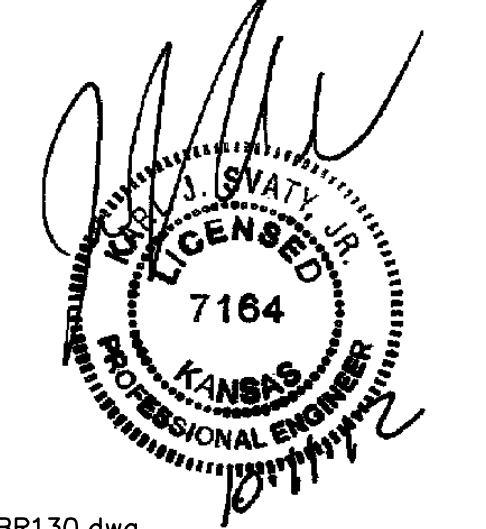
ELEVATION AT SHOULDER

See Construction Layout for slope & limits

* See Construction Layout for this dimension (1'-0" Min.).

† See Construction Layout for thickness.

DITCH BOTTOM
(When Req'd by Construction Layout sheet)



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NO.	DATE	REVISIONS	BY	APP'D
2	10-04-07	Concrete (AE)	JPJ	KFH
1	10-28-04	Concrete - Class to Grade	RAM	KFH

KANSAS DEPARTMENT OF TRANSPORTATION

REINFORCED CONCRETE RIPRAP

BR130 82

DESIGNED	8-24-88	APP'D	KENNETH F. HURST
DESIGN CK.	DETAIL CK.	RDR QUANTITIES	CADD CK.