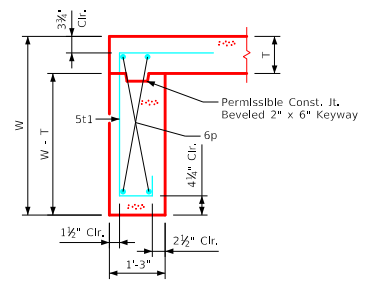
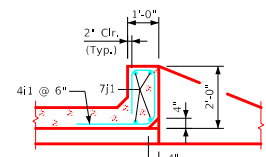


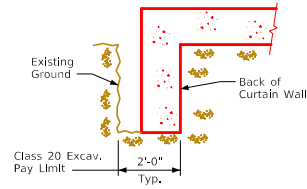
Typical Section - Near Center of Apron



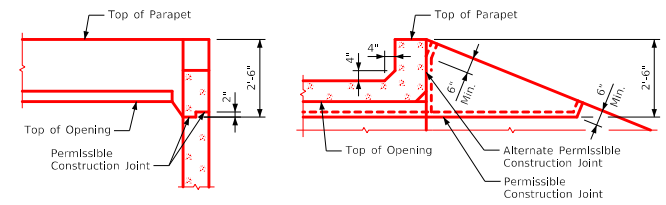
Section thru Curtain Wall



Section thru Parapet

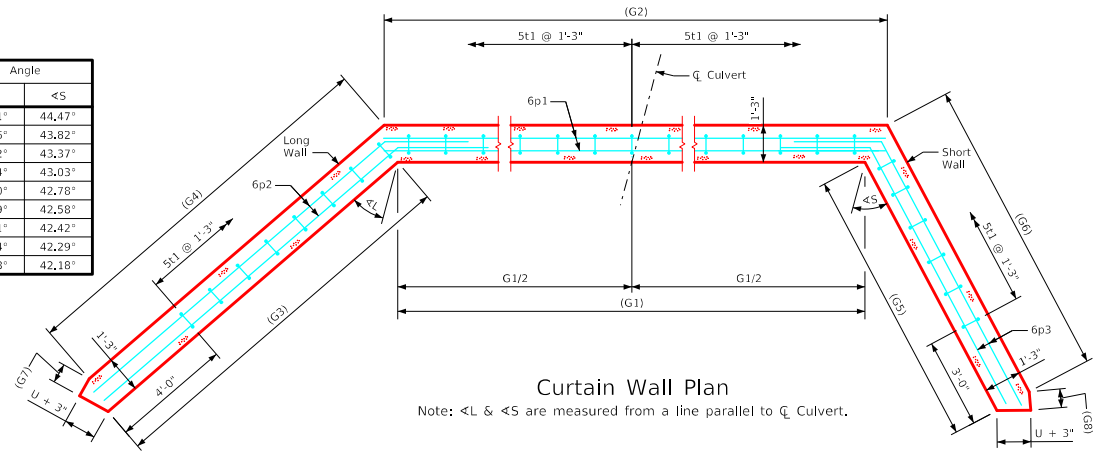


Curtain Wall Class 20 Excavation



Top of Wingwall Details

Culvert Height (H)	Angle	
	<L	<S
4'	35.41°	44.47°
5'	35.06°	43.82°
6'	34.82°	43.37°
7'	34.64°	43.03°
8'	34.50°	42.78°
9'	34.39°	42.58°
10'	34.31°	42.42°
11'	34.24°	42.29°
12'	34.18°	42.18°



Curtain Wall Plan

Note: <L & <S are measured from a line parallel to C Culvert.

Notes:

1. See Sheet TRFWH G1-21 for General Notes, Specifications, and Design Stresses.
2. For dimension table see Sheet TRFWH 15-2-21.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER	IOWADOT Highway Division	
		Standard Design - Triple Reinforced Concrete Box Culverts	
		Flared Wing Headwalls	
		February, 2021	
		Parapet & Curtain Wall Details 15° Skew	TRFWH 15-5-21