

Name	_____	Ident. No.	_____
Legal Desc.	_____	County	_____
Layout by	_____	Date	_____
Designed by	_____	Date	_____
Checked by	_____	Date	_____
Approved by	_____	Date	_____

Design Summary

Structure Number	Capacity		Dimensions (feet)			Materials ^{1/}		
	Actual (cfs)	Design (cfs)	Flow Depth, H (feet)	Fall, F (feet)	Length, L (feet)	Concrete (cubic yards)	Reinforcing Steel (feet-inches)	Welded Wire Reinforcement (square yards)

^{1/} Reinforcing steel should be No. 3 steel bars.

Total Concrete	_____	cubic yards
Total Reinforcing Steel	_____	lbs _____ feet
Total Welded Wire Reinforcement	_____	lbs _____ square yards

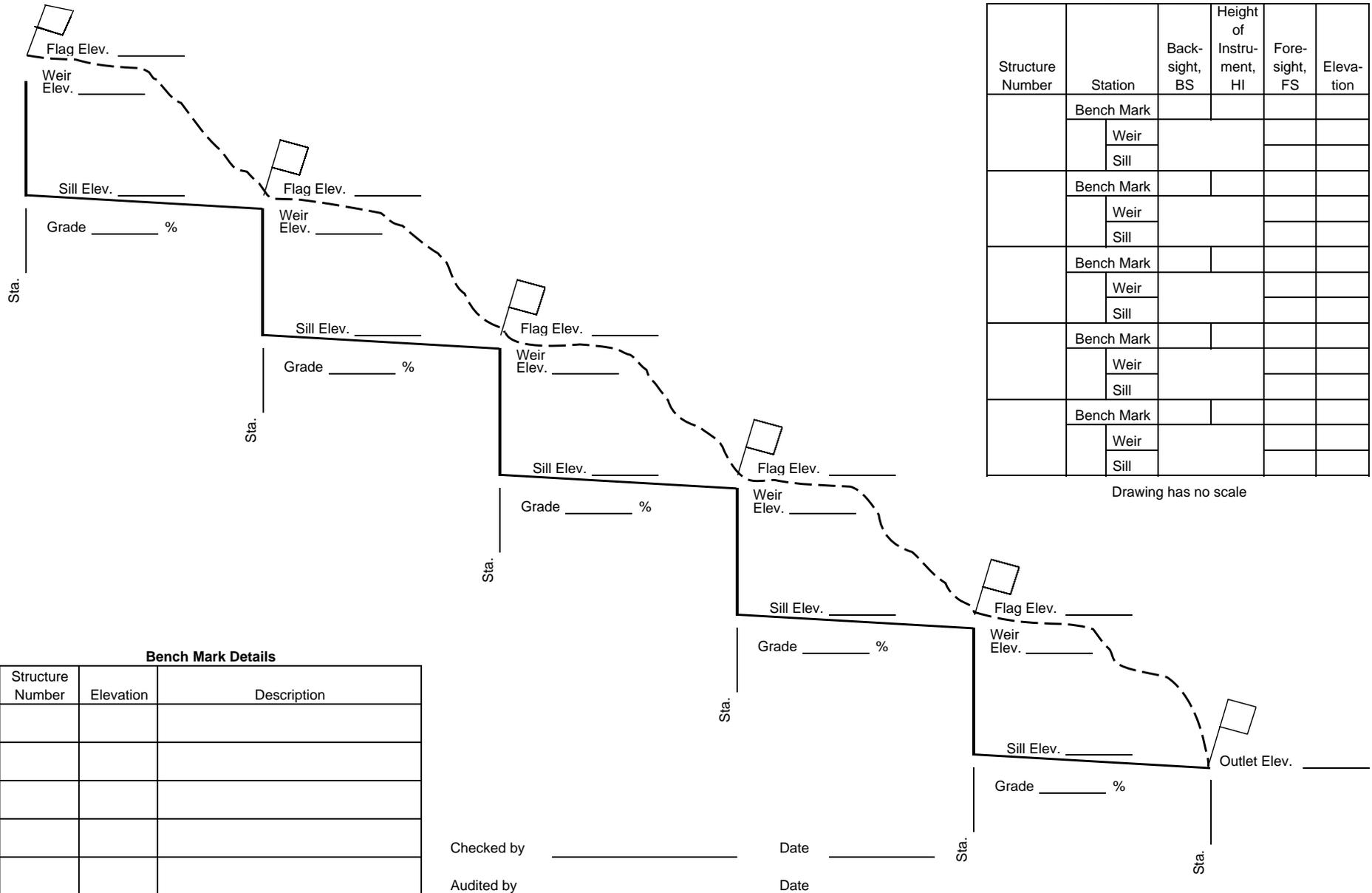
Before any investigation or construction activity, the excavator is responsible for calling Kansas One-Call at 800-344-7233 (800-DIG-SAFE).

Cement Type _____
Concrete Design Strength _____

Remarks _____

Location Map Scale: 1" = _____

Profile and Check Out



Check Out Information

Structure Number	Station	Back-sight, BS	Height of Instrument, HI	Fore-sight, FS	Elevation
	Bench Mark				
	Weir				
	Sill				
	Bench Mark				
	Weir				
	Sill				
	Bench Mark				
	Weir				
	Sill				
	Bench Mark				
	Weir				
	Sill				

Drawing has no scale

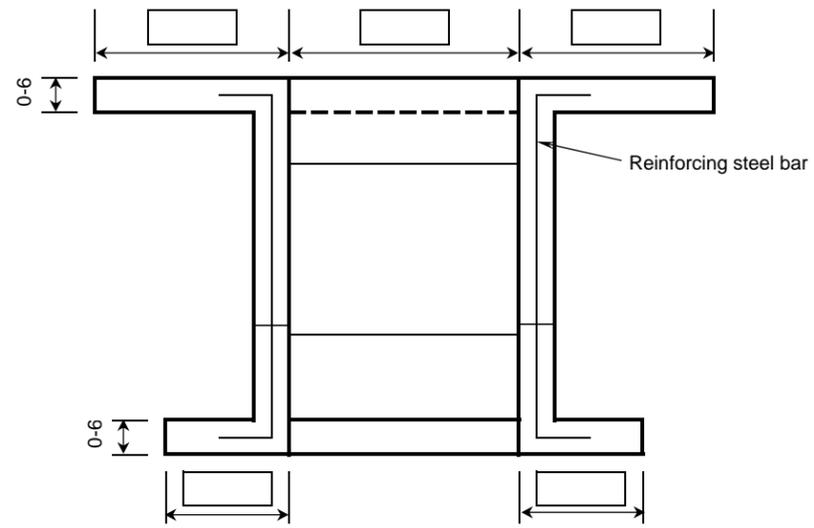
Bench Mark Details

Structure Number	Elevation	Description

Checked by _____ Date _____

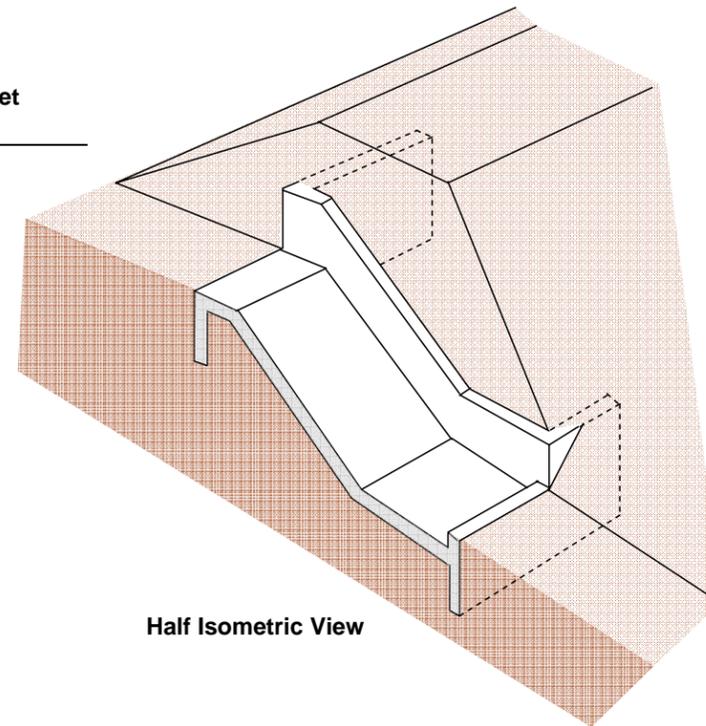
Audited by _____ Date _____

Name _____ Ident. No. _____ Designed by _____ Date _____
 Legal Desc. _____ County _____ Checked by _____ Date _____



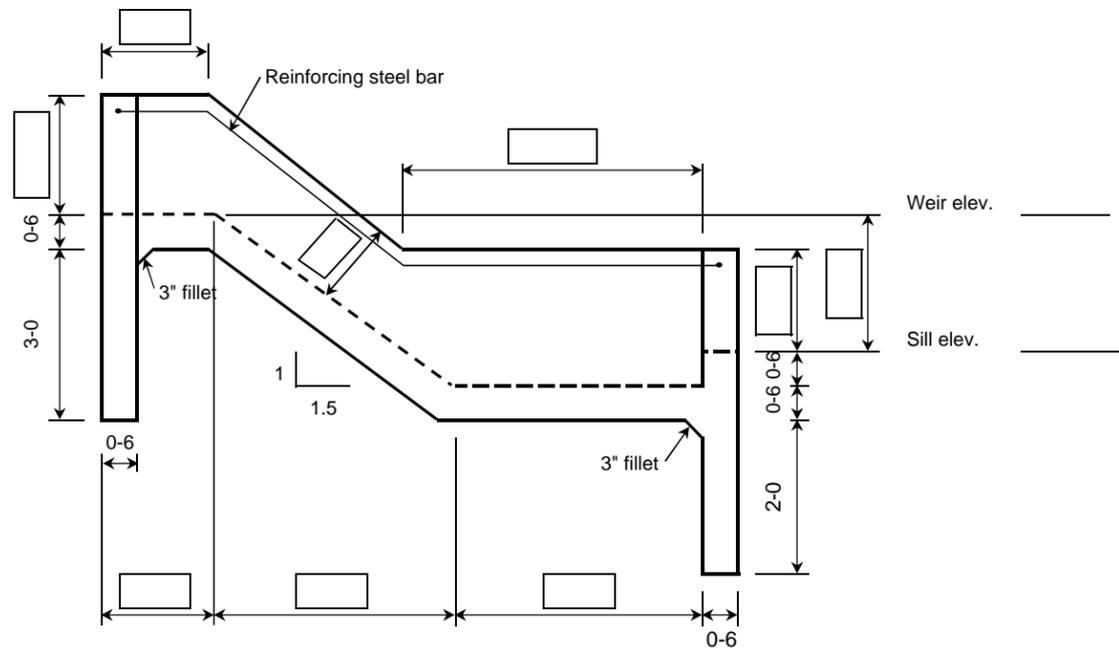
Plan View

View Sheet for
Concrete Terrace Outlet
Structure Number _____



Half Isometric View

Before any investigation or construction activity, the excavator is responsible for calling Kansas One-Call at 800-344-7233 (800-DIG-SAFE).



Side View

Notes:

1. The foundation soil shall be firm and uniform.
2. No water is to be ponded in front of the structure.
3. All concrete shall be 6 inches thick.
4. Use 3500 psi (minimum) concrete at 28-day test, with air-entrainment.
5. 6 x 6 - W2.9 x W2.9 (6 x 6 - 6 x 6) welded wire reinforcement (WWR) will be used in the slope, apron, toewalls, and sidewalls
6. All joints are to be double-reinforced by laps of 15 inches or more.
7. WWR shall be placed near the center and adequately supported before concrete is placed.
8. WWR in slope and apron shall be bent into toewalls.
9. WWR in sidewalls shall be bent into slope and apron.
10. Reinforcing steel should be No. 3 steel bars--one bar in each wall.
11. Reinforcing steel should be placed in the upper portion of the walls a minimum of 2 inches from the surface of the concrete and bent 15 inches into the headwall and toewall.

Table of Capacity and Quantity

Flow Depth, H (feet)	Fall, F (feet)	Length, L (feet)	Capacity (cfs)	Concrete Volume (cubic yards)	Reinforcing Steel (feet-inches)	WWR (square yards)