

④ 3' x 8' x H/3 keyway constr. jt.

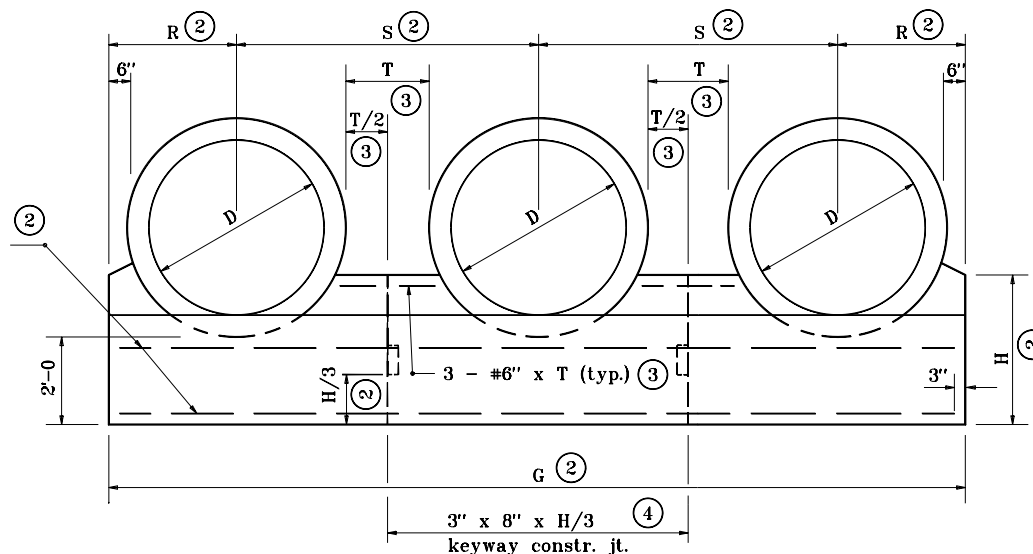
Diagram 4 illustrates a cross-section of a concrete wall with two circular keyways. The wall has a total height H and a thickness of 8 inches. The keyways are spaced 3 feet apart. The diagram shows reinforcement bars (R, S, T) and dimensions for the keyways and the wall. The keyways have a diameter D and a height of $H/3$. The wall has a total height H and a thickness of 8 inches. The keyways are spaced 3 feet apart. The diagram shows reinforcement bars (R, S, T) and dimensions for the keyways and the wall.

Dimensions and Reinforcement:

- Wall thickness: 8"
- Keyway diameter: D
- Keyway height: $H/3$
- Keyway spacing: 3'
- Reinforcement bars: R (2), S (2), T (3)
- Reinforcement bars: 3 - #6 x T (3)
- Reinforcement bars: 2 rows (3 - #6 x G less 6" ea. row) (min. lap = 2'-11") (2)
- Reinforcement bars: G (2)

Figure 1: Plan view of the proposed rectangular pile cap. The diagram shows a rectangular pile cap with dimensions 2'-6" by 2'-0". It features a central pile cap with a 2'-0" by 2'-0" area and four corner piles. The cap is surrounded by a 3" thick concrete layer. The total width is 6" and the total depth is 3". A side slope is indicated on the right side.

2 rows (3 - #6 x G
less 6" ea. row)
(min. lap = 2'-11)



GENERAL NOTES

1. Circular reinforced concrete pipes shown. For details of other pipe alternates, see partial elevations on Standard Drawing E 715-MPCA-02.
- ② For dimension enter chart on Standard Drawing E 715-ANCH-01 with known dimension D.
- ③ T = Clear distance between pipes.
For D less than 48", T = 2'-0".
For D of 48" to 96", T = 1/2 D
For D greater than 96", T = 4'-0".
- ④ No joint required if G is less than or equal to 30'. One joint required if G is greater than 30' but less than or equal to 42'. Two joints required if G is greater than 42'.

**MULTIPLE PIPE
CONCRETE ANCHORS**
JANUARY 1998

	DETAILS PLACED IN THIS FORMAT	7-27-99
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/s/ Anthony L. Uremovich 7-27-99
DESIGN STANDARDS ENGINEER DATE

/s/ Firooz Zandi 7-27-99
CHIEF HIGHWAY ENGINEER DATE

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