

DESIGNER NOTES

PIER TYPES SHOWN ON THIS STANDARD ARE BASED ON THE OBSERVED WATER ELEVATION. OTHER FACTORS (VELOCITY, H2 ELEVATION, ETC.) SHOULD ALSO BE CONSIDERED WHEN SELECTING THE APPROPRIATE BID ITEMS AND PLAN NOTES.

PILE ENCASED PIER TYPES:

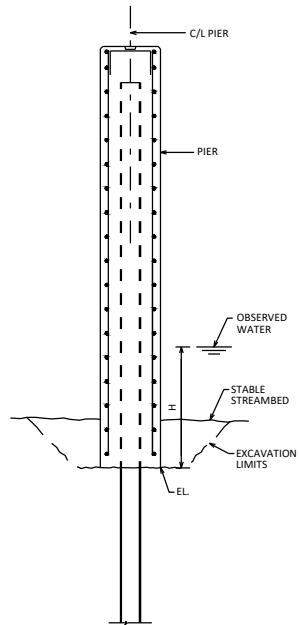
TYPE 1 - COFFERDAM BID ITEM NOT PROVIDED. CONSIDER PROVIDING UNDERWATER INSPECTION BID ITEM.

TYPE 2 - COFFERDAM AND UNDERWATER INSPECTION BID ITEMS REQUIRED.

TYPE 3 - COFFERDAM AND SEAL BID ITEMS REQUIRED.

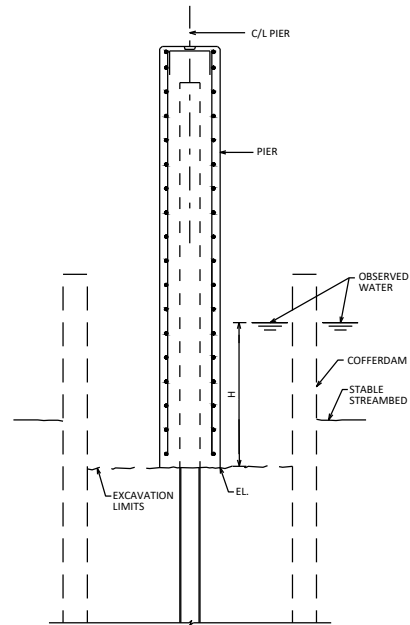
WALL PIER ALTERNATIVES:

- SOLID WALL (AS SHOWN ON THIS STANDARD)
- HAMMERHEAD (SEE STANDARD 13.02)



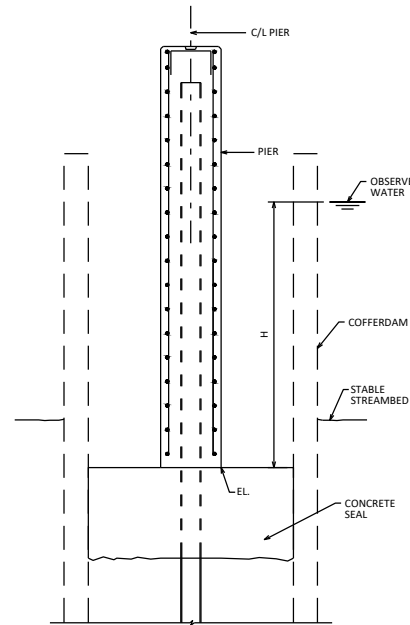
END VIEW

PILE ENCASED PIER - TYPE 1
(H ≤ 5.0 FEET)



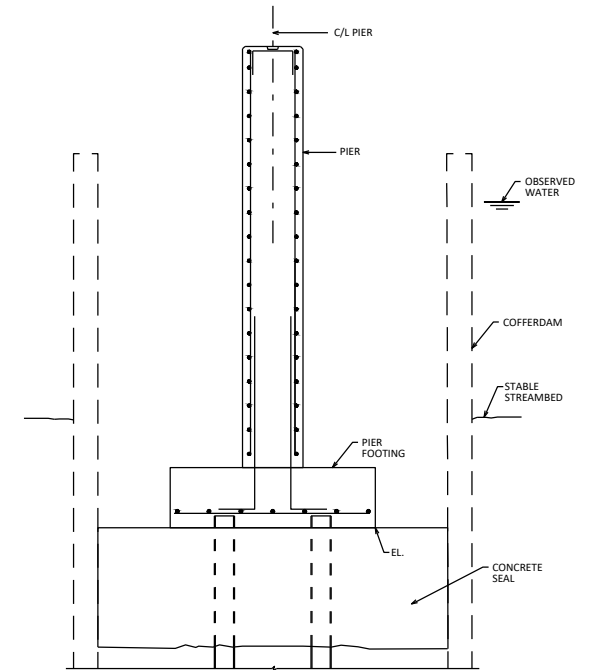
END VIEW

PILE ENCASED PIER - TYPE 2
(5.0 FT < H ≤ 10.0 FT)



END VIEW

PILE ENCASED PIER - TYPE 3
(H > 10.0 FT)



END VIEW

SOLID WALL PIER
(PILE ENCASED PIER ALTERNATIVE)

ITEM NUMBER	BID ITEM	UNIT
206.5001	COFFERDAMS (STRUCTURE)	EACH
502.9000.5	UNDERWATER SUBSTRUCTURE INSPECTION (STRUCTURE)	EACH

ITEM NUMBER	BID ITEM	UNIT
206.5001	COFFERDAMS (STRUCTURE)	EACH
502.1100	CONCRETE MASONRY SEAL	CY

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206.5001	COFFERDAMS (STRUCTURE)	EACH
502.1100	CONCRETE MASONRY SEAL	CY

PILE ENCASED PIER (TYPES)



APPROVED: *Laura Shadewald*

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