

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:

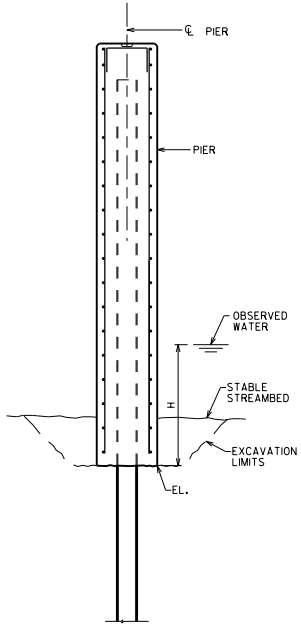
TYPE 1 - COFFERDAM BID ITEM NOT PROVIDED. CONSIDER PROVIDING UNDERWATER INSPECTION BID ITEM.

TYPE 2 - COFFERDAM AND UNDERWATER INSPECTION BID ITEMS REQUIRED.

TYPE 3 - COFFERDAM AND SEAL BID ITEMS REQUIRED.

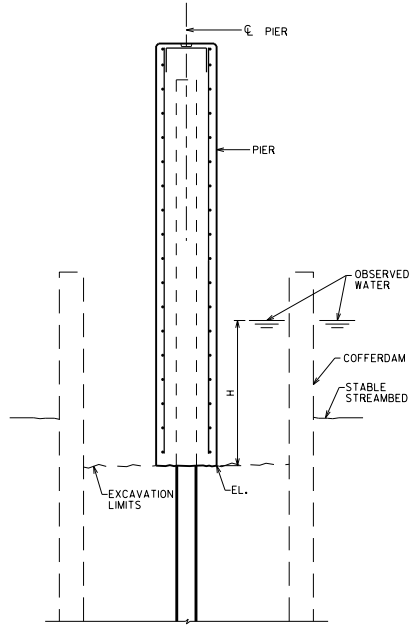
WALL PIER ALTERNATIVES:

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



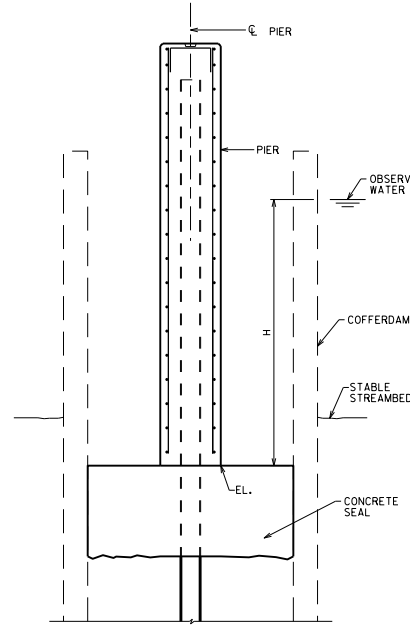
END VIEW
PILE ENCASED PIER - TYPE 1
(H ≤ 5.0 FEET)

ITEM NUMBER	BID ITEM	UNIT
206.5001	COFFERDAMS (STRUCTURE)	EACH
502.9000.S	UNDERWATER SUBSTRUCTURE INSPECTION (STRUCTURE)	EACH



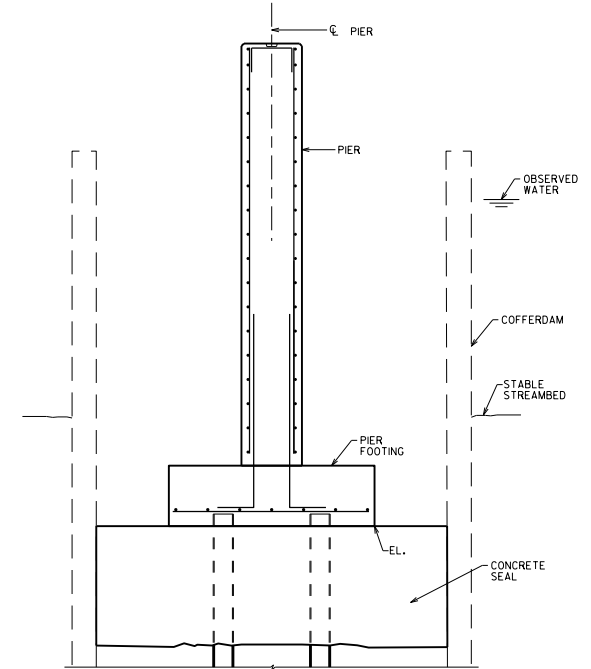
END VIEW
PILE ENCASED PIER - TYPE 2
(5.0 FT < H ≤ 10.0 FT)

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



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

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



END VIEW
SOLID WALL PIER
(PILE ENCASED PIER ALTERNATIVE)

PILE ENCASED PIER (TYPES)



APPROVED: *Laura Shadewald* DATE: 7-23