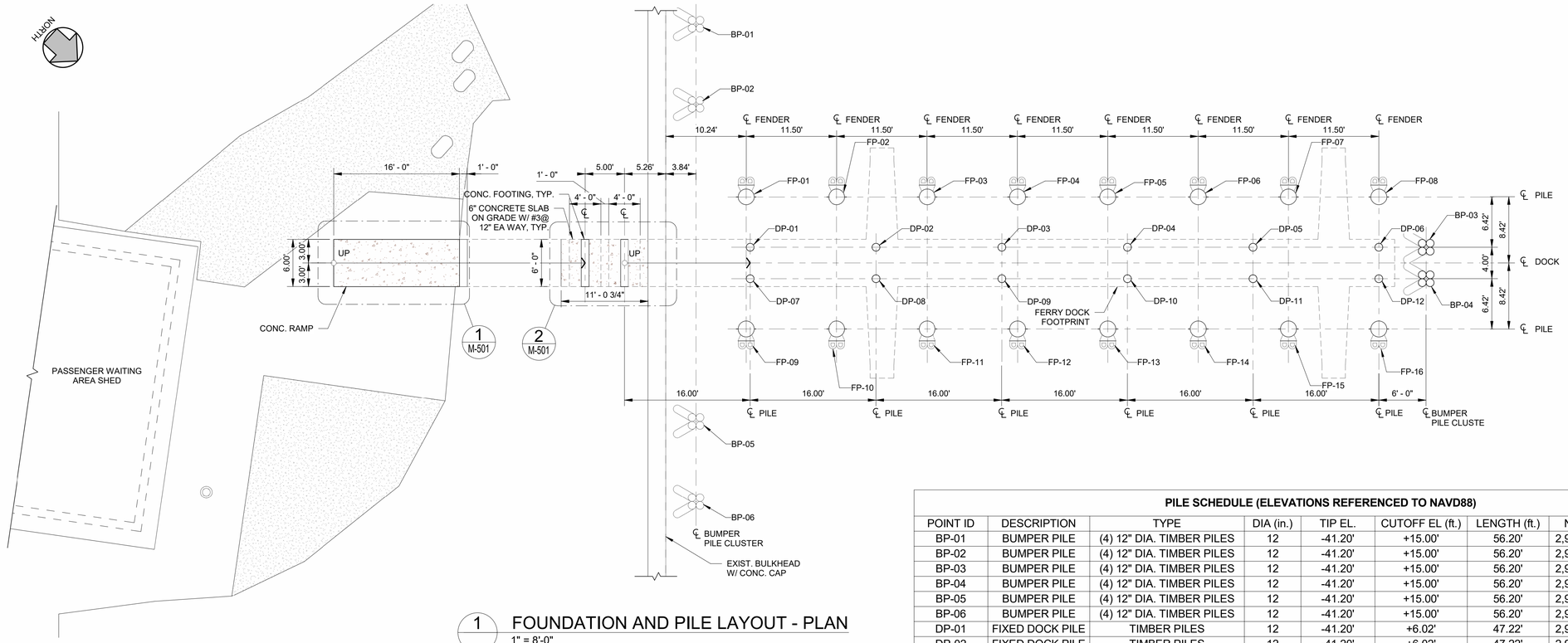

1 FOUNDATION AND PILE LAYOUT - PLAN
1" = 8'-0"

LEGEND:

NEW CONCRETE RAMP OR SLAB ON GRADE

NEW CONCRETE FOOTING

NEW DOCK FOOTPRINT

NOTES:

1. BUMPER PILE CLUSTER CONSISTS OF 2 PLUMB PILES AND 2 BATTER PILES. SEE DETAIL IN SHEET M-504.
2. LENGTH OF PILES FOR BUMPER PILES IS 56.20' FOR PLUMB PILES AND 56.39' FOR BATTER PILES.
3. FOR SLAB ON GRADE DETAILS, SEE SHEET M-505.

PILE SCHEDULE (ELEVATIONS REFERENCED TO NAVD88)

POINT ID	DESCRIPTION	TYPE	DIA (in.)	TIP EL.	CUTOFF EL (ft.)	LENGTH (ft.)	NORTHING	EASTING
BP-01	BUMPER PILE	(4) 12" DIA. TIMBER PILES	12	-41.20'	+15.00'	56.20'	2,984,655.6850	546,913.5293
BP-02	BUMPER PILE	(4) 12" DIA. TIMBER PILES	12	-41.20'	+15.00'	56.20'	2,984,662.4411	546,921.1476
BP-03	BUMPER PILE	(4) 12" DIA. TIMBER PILES	12	-41.20'	+15.00'	56.20'	2,984,744.0157	546,873.1115
BP-04	BUMPER PILE	(4) 12" DIA. TIMBER PILES	12	-41.20'	+15.00'	56.20'	2,984,746.6720	546,876.1068
BP-05	BUMPER PILE	(4) 12" DIA. TIMBER PILES	12	-41.20'	+15.00'	56.20'	2,984,689.2273	546,951.3522
BP-06	BUMPER PILE	(4) 12" DIA. TIMBER PILES	12	-41.20'	+15.00'	56.20'	2,984,695.9834	546,958.9705
DP-01	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,679.6726	546,930.1727
DP-02	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,691.6434	546,919.5567
DP-03	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,703.6142	546,908.9406
DP-04	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,715.5851	546,898.3245
DP-05	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,727.5558	546,887.7086
DP-06	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,739.5266	546,877.0925
DP-07	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,682.3267	546,933.1654
DP-08	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,694.2999	546,922.5471
DP-09	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,706.2682	546,911.9333
DP-10	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,718.2390	546,901.3173
DP-11	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,730.2098	546,890.7013
DP-12	FIXED DOCK PILE	TIMBER PILES	12	-41.20'	+6.02'	47.22'	2,984,742.1806	546,880.0852
FP-01	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,675.0342	546,925.6959
FP-02	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,683.6385	546,918.0653
FP-03	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,692.2422	546,910.4353
FP-04	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,700.8462	546,902.8051
FP-05	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,709.4505	546,895.1745
FP-06	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,718.0542	546,887.5445
FP-07	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,726.6582	546,879.9143
FP-08	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,735.2626	546,872.2837
FP-09	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,686.2169	546,938.3057
FP-10	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,694.8213	546,930.6751
FP-11	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,7034249	546,923.0452
FP-12	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,712.0290	546,915.4149
FP-13	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,720.6333	546,907.7843
FP-14	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,729.2370	546,900.1543
FP-15	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,737.8410	546,892.5241
FP-16	FENDER PILE	STEEL PIPE PILE	24	-62.0'	+15.00'	77.00'	2,984,746.4453	546,884.8935

Digitally signed by Kristopher P Pagan-Cruz
Date: 2026.02.17 11:19:23-05'00'

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GRAPHIC SCALE
0 4' 8' 16'
SCALE: 1" = 8'-0"

PROJECT ENGINEER
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 044825 KRISTOPHER PHERNANDO PAGAN-CRUZ

Designed By	JAVIER QUIROS	County	DARE COUNTY
Entered By	VICTOR PADILLA	Division	FERRY DIVISION
Project Engineer	KRISTOPHER PAGAN	Plan Date	1-14-26
Project Manager	ALLISON THORBURN		

Rev.	Date	Drawn	Description	Ch'k'd	App'd

NCDOT HATTERAS FERRY DOCK REPLACEMENT

M-102 FOUNDATION AND PILE LAYOUT PLAN

ANSI D (34"x22")