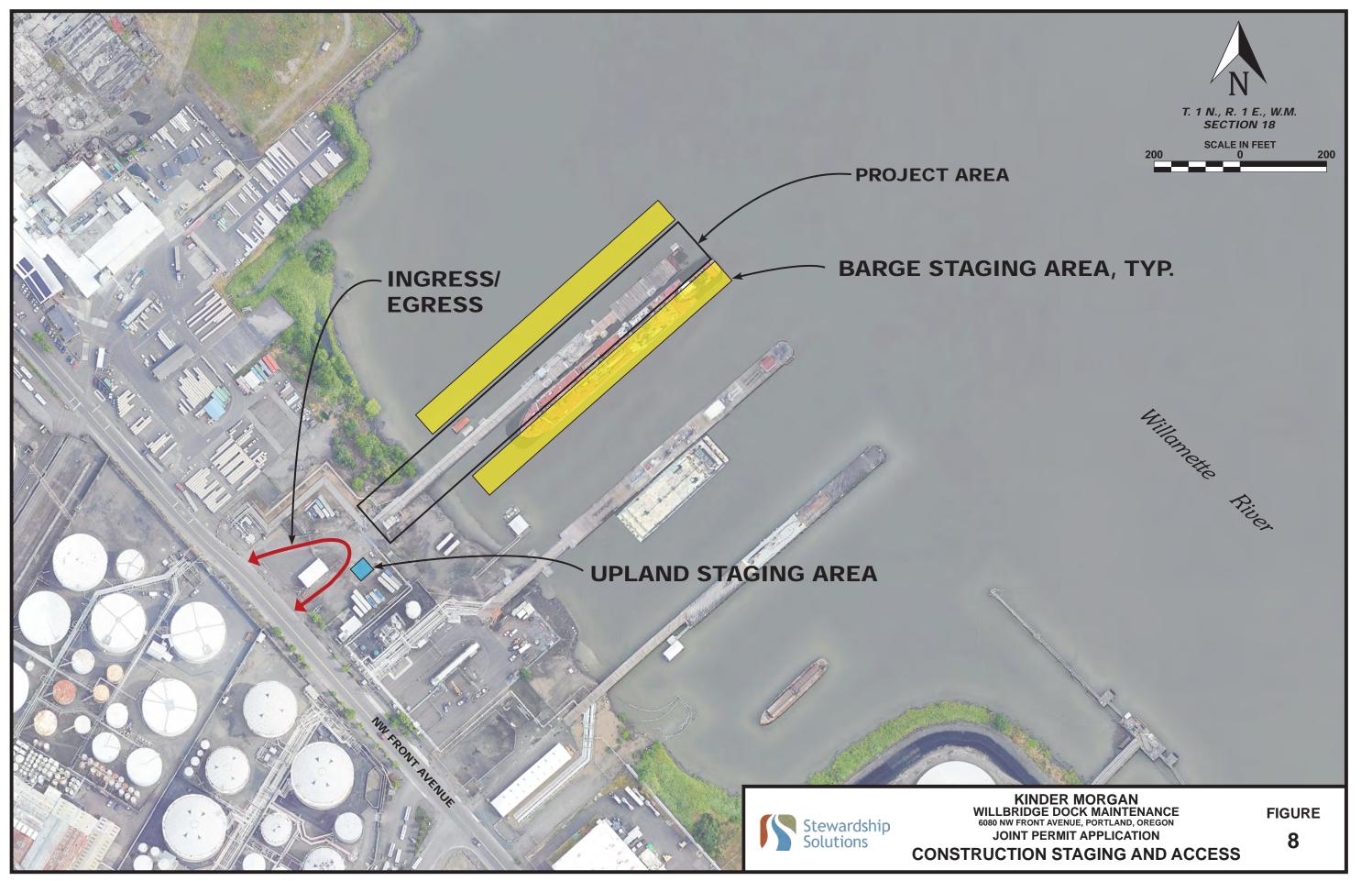
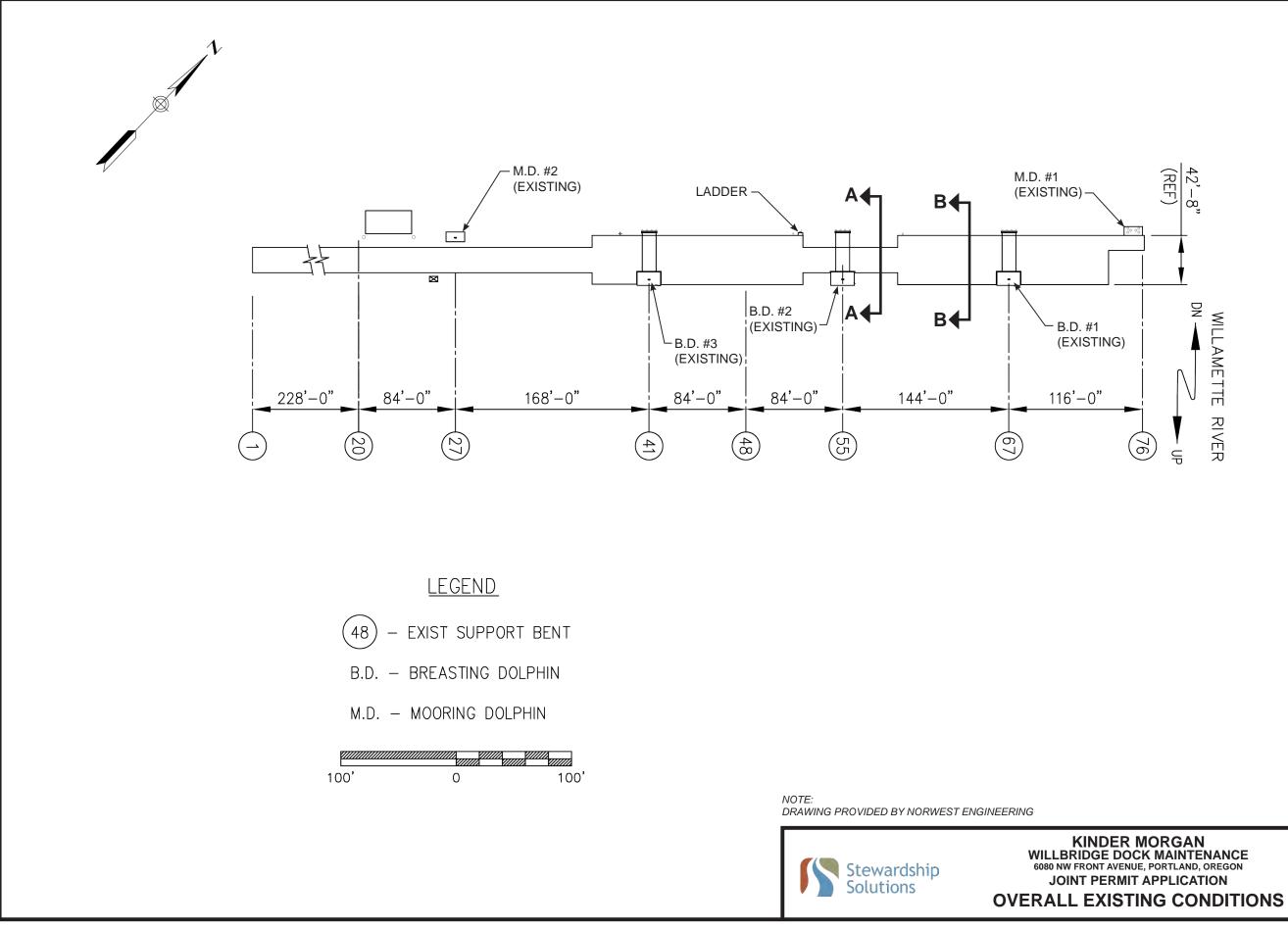


Attachment 1



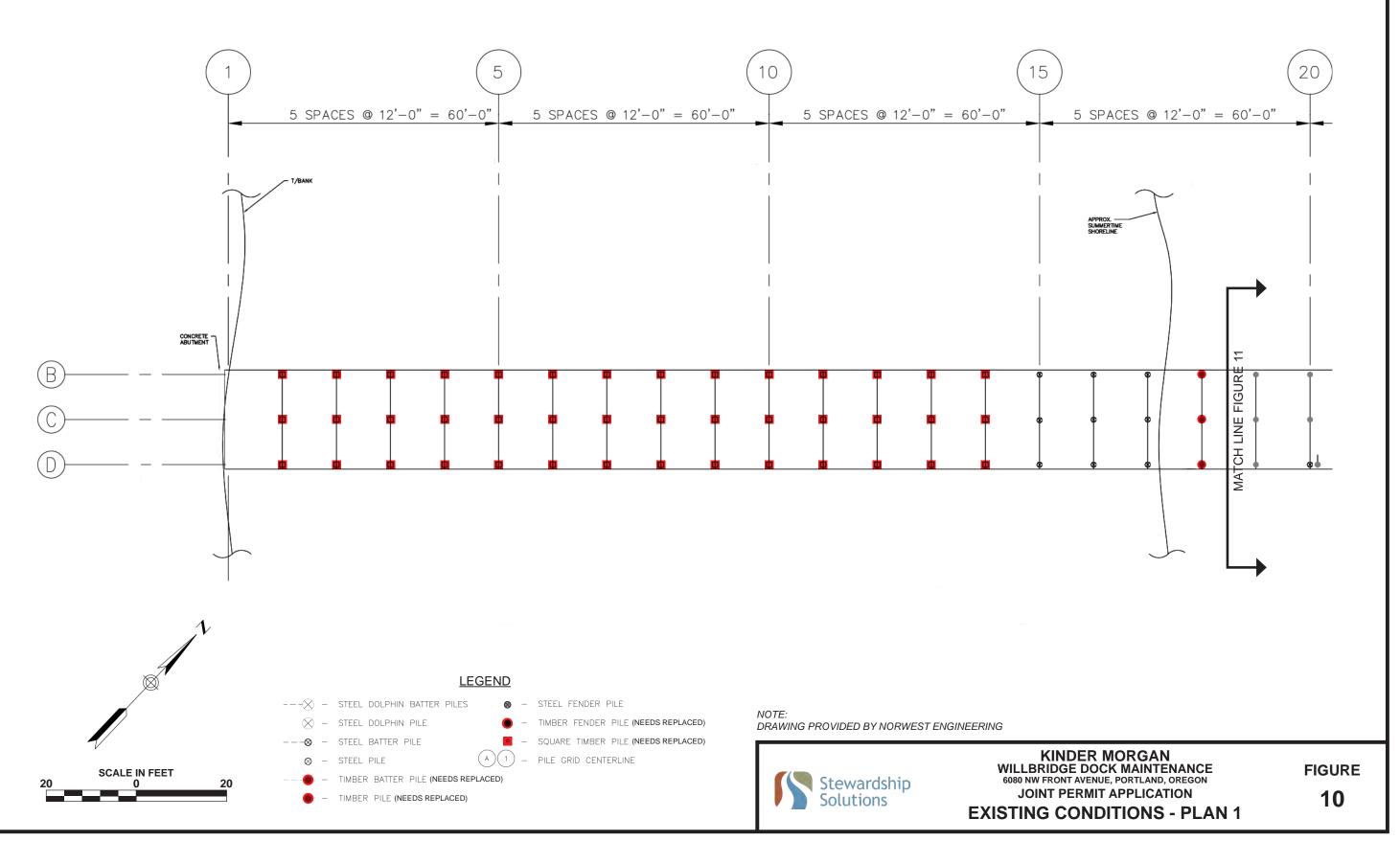
Attachment 1



FIGURE

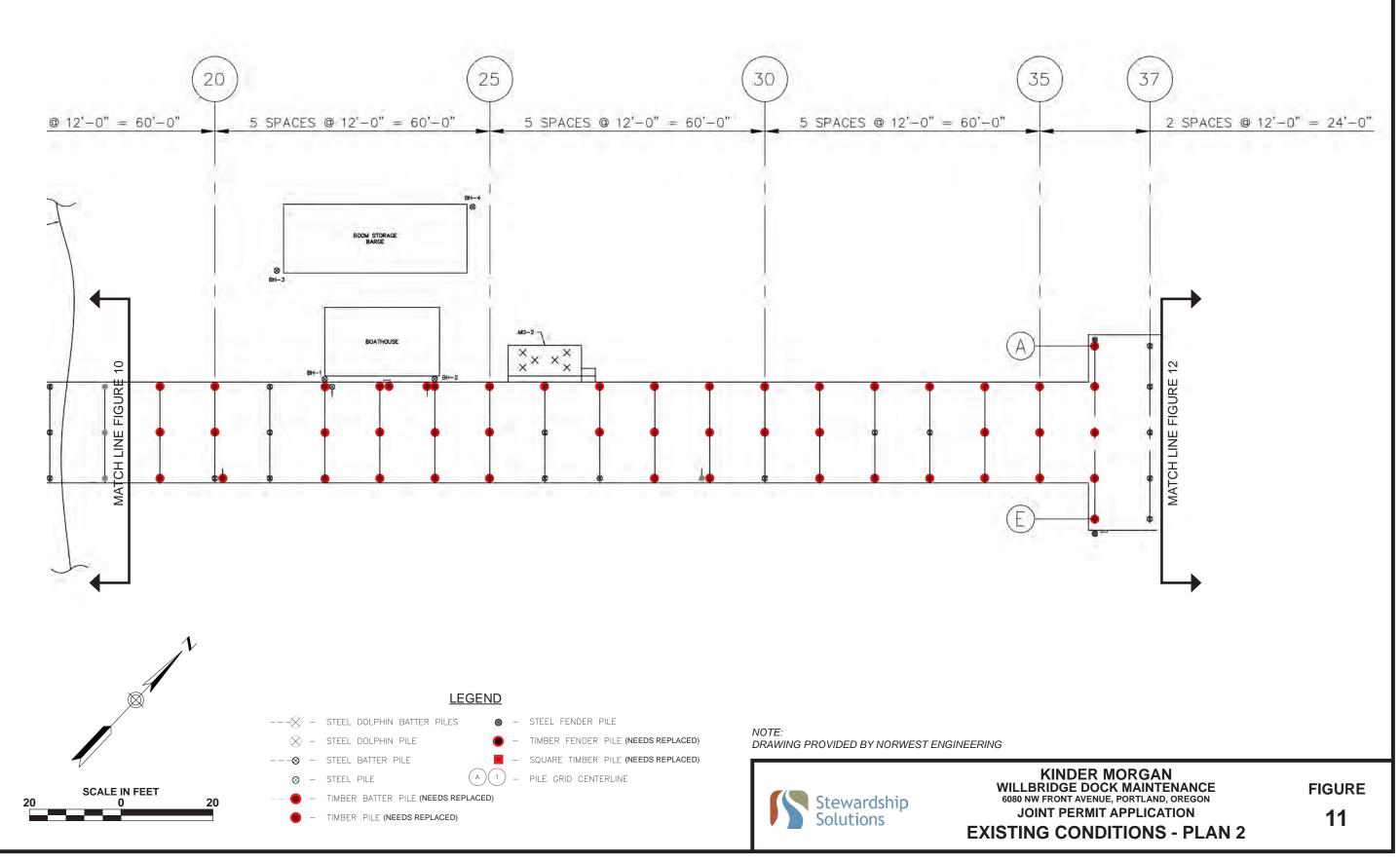
9

Attachment 1



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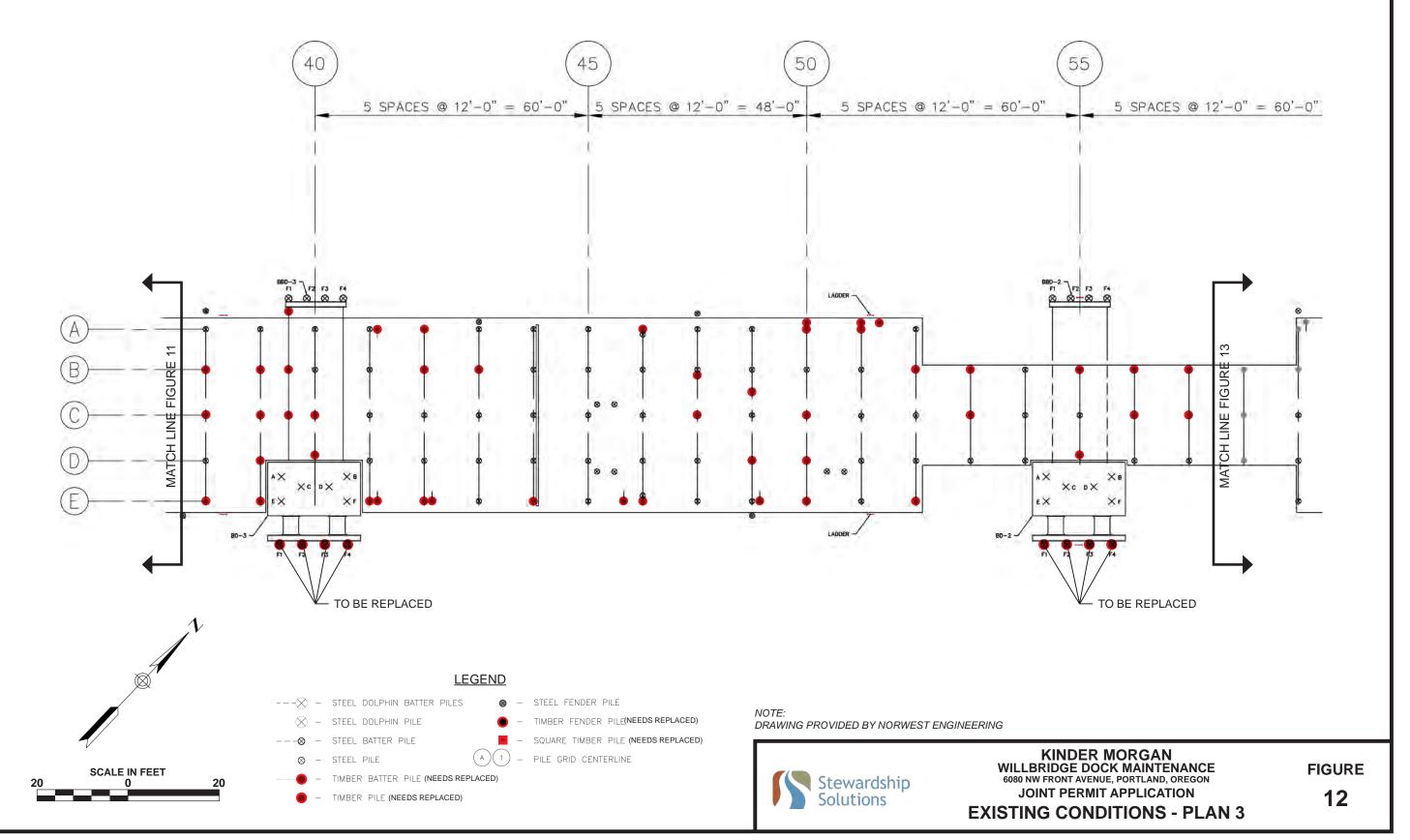
NWP-2008-628-5



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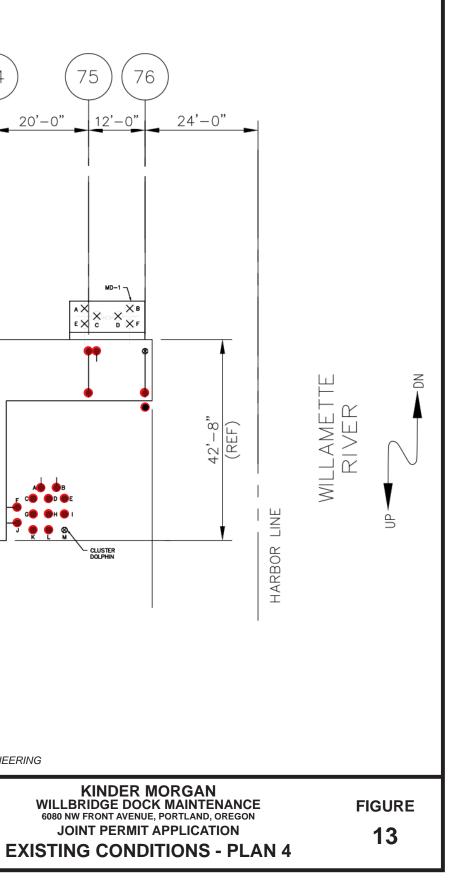
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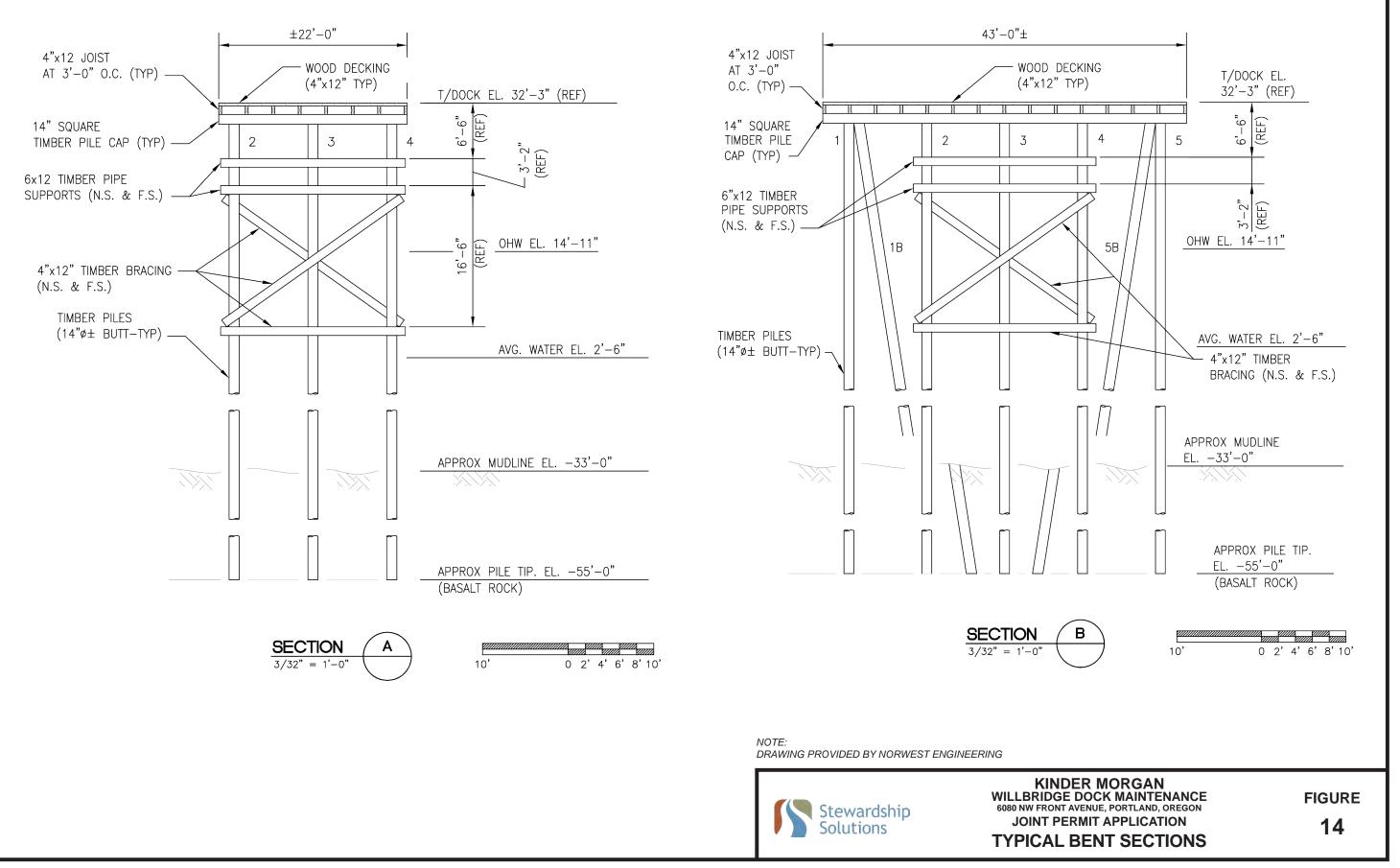


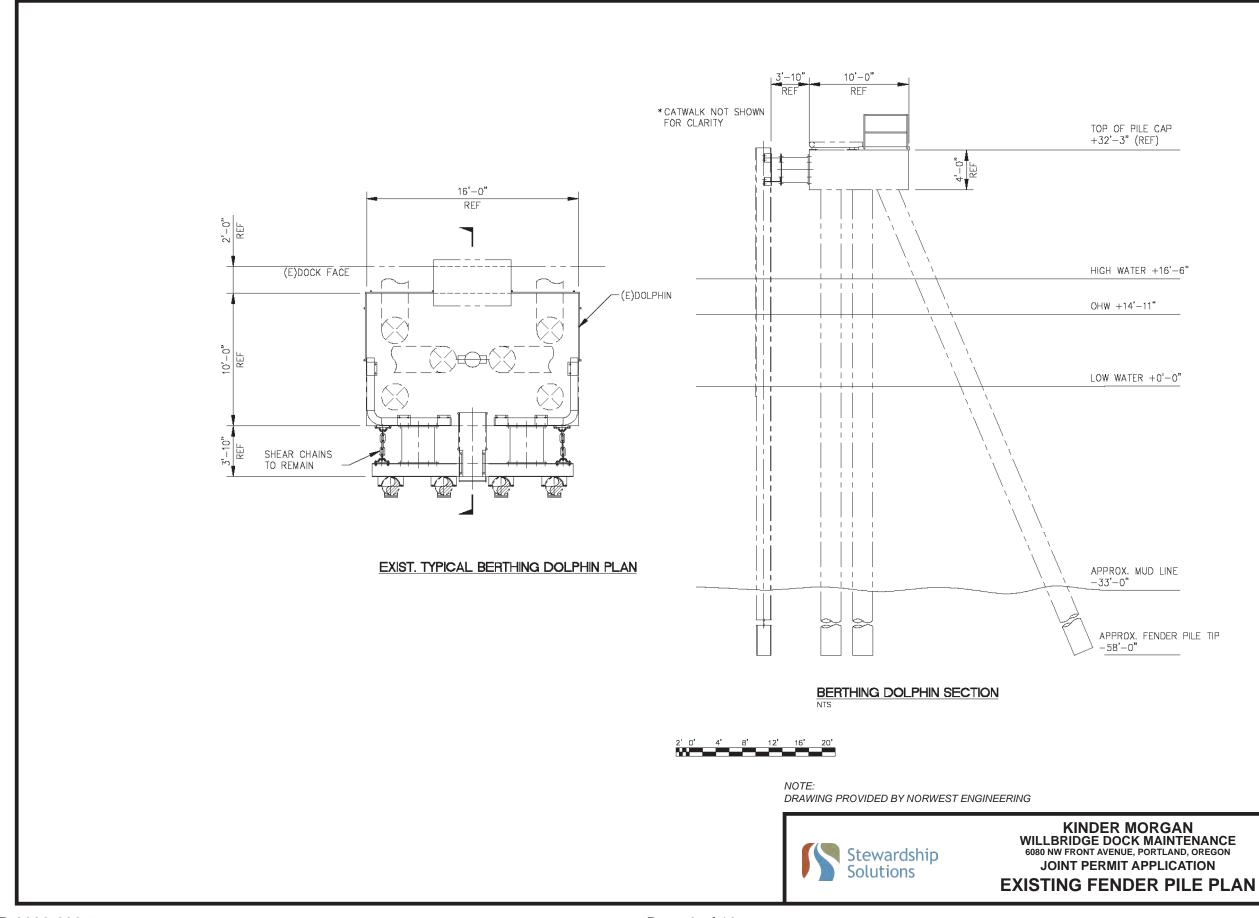
65 60 70 74 [S @ 12' - 0" = 60' - 0"]5 SPACES @ 12'-0'' = 60'-0''5 SPACES @ 12'-0'' = 60'-0''4 SPACES @ 12'-0'' = 48'-0''20'-0" BBD-1 F1 F2 F3 F4 ⊗ ⊗ ⊗ ⊗ ⊗ 12 FIGURE CH LINE MAT I A X Хв Xc DX XF εX LADDER -TO BE REPLACED **LEGEND** - STEEL FENDER PILE \otimes NOTE: DRAWING PROVIDED BY NORWEST ENGINEERING TIMBER FENDER PILE(NEEDS REPLACED) - STEEL DOLPHIN PILE \otimes SQUARE TIMBER PILE (NEEDS REPLACED) STEEL BATTER PILE $-\otimes$ (A)(1)PILE GRID CENTERLINE STEEL PILE \otimes SCALE IN FEET TIMBER BATTER PILE (NEEDS REPLACED) Stewardship Solutions 20 TIMBER PILE (NEEDS REPLACED)

NWP-2008-628-5

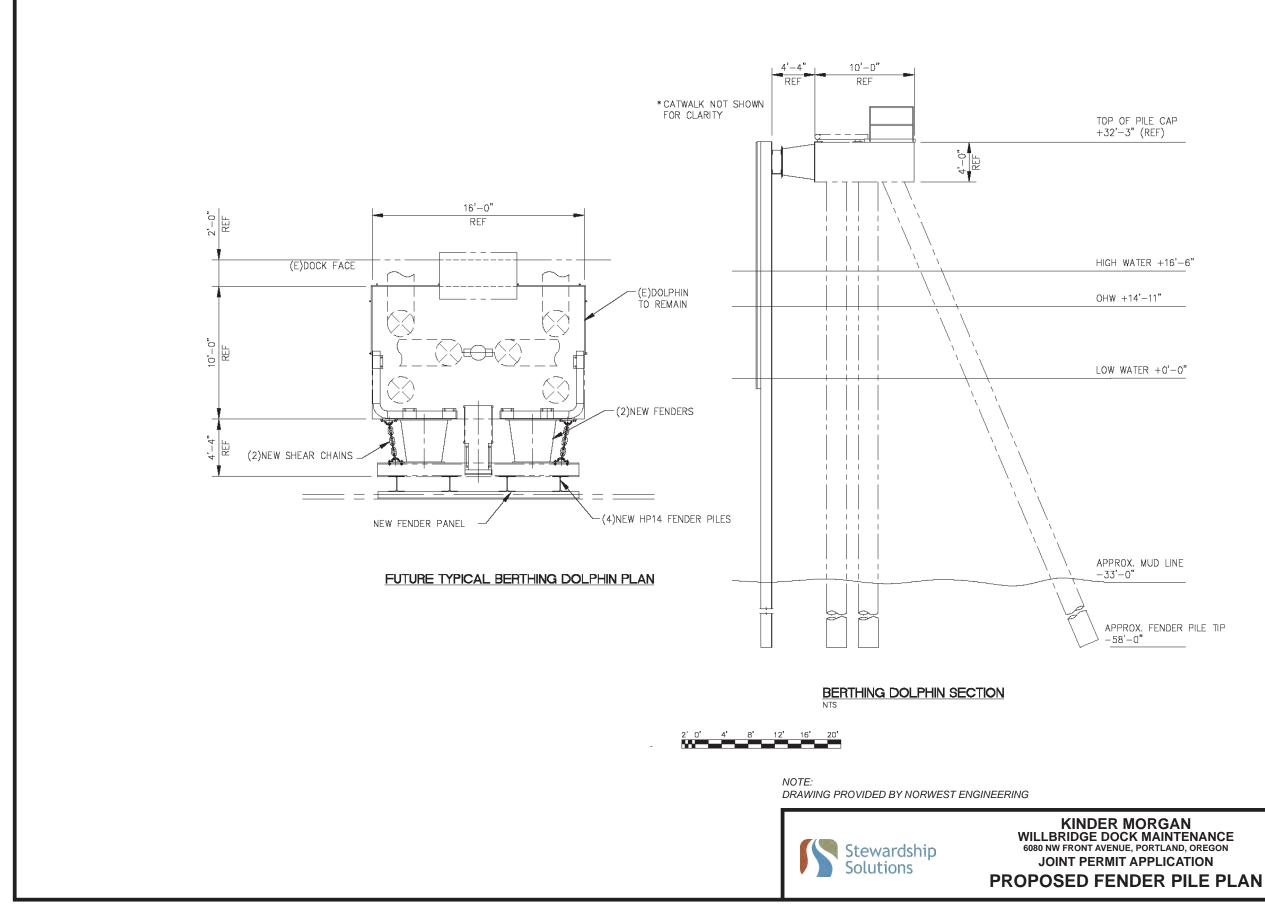
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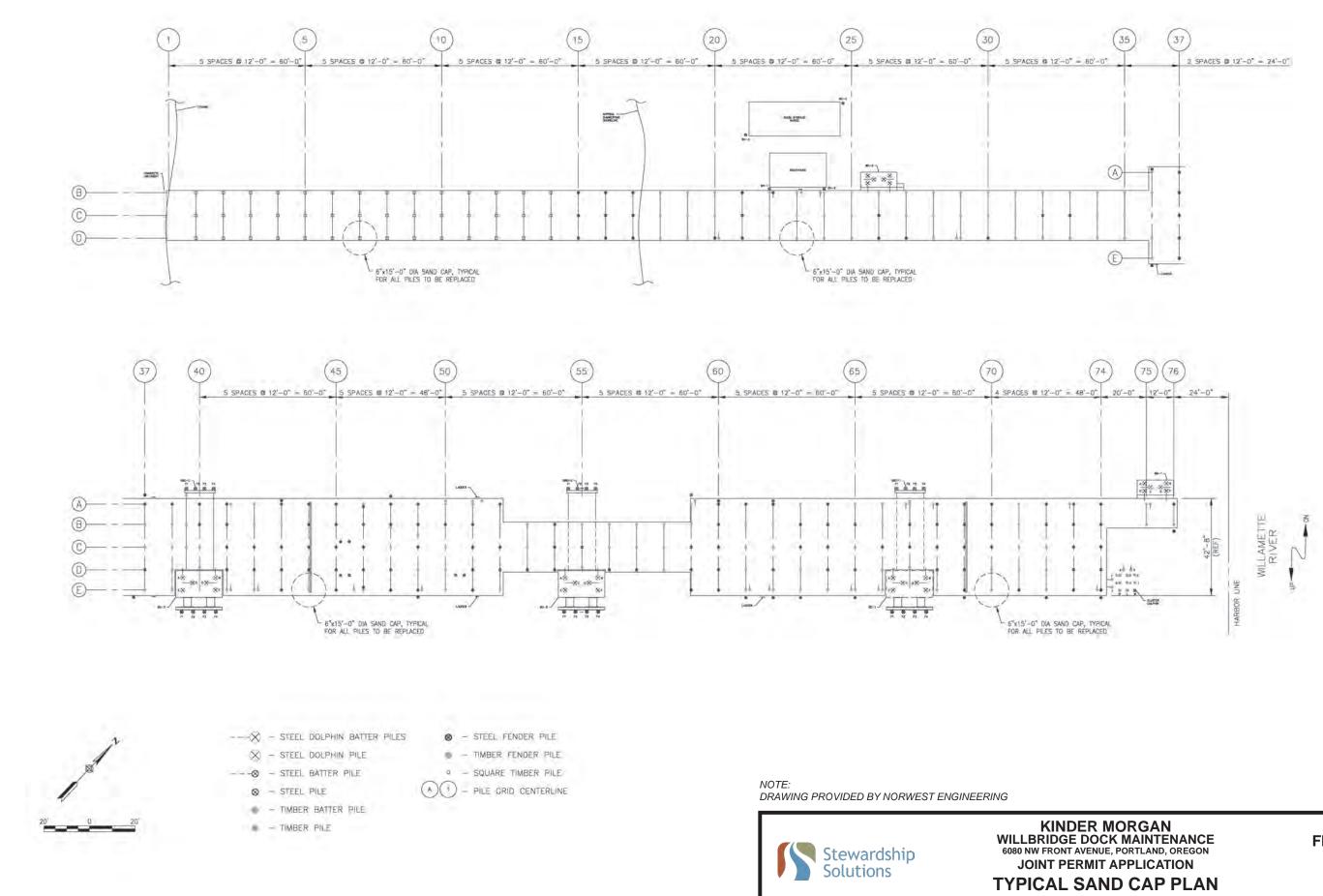




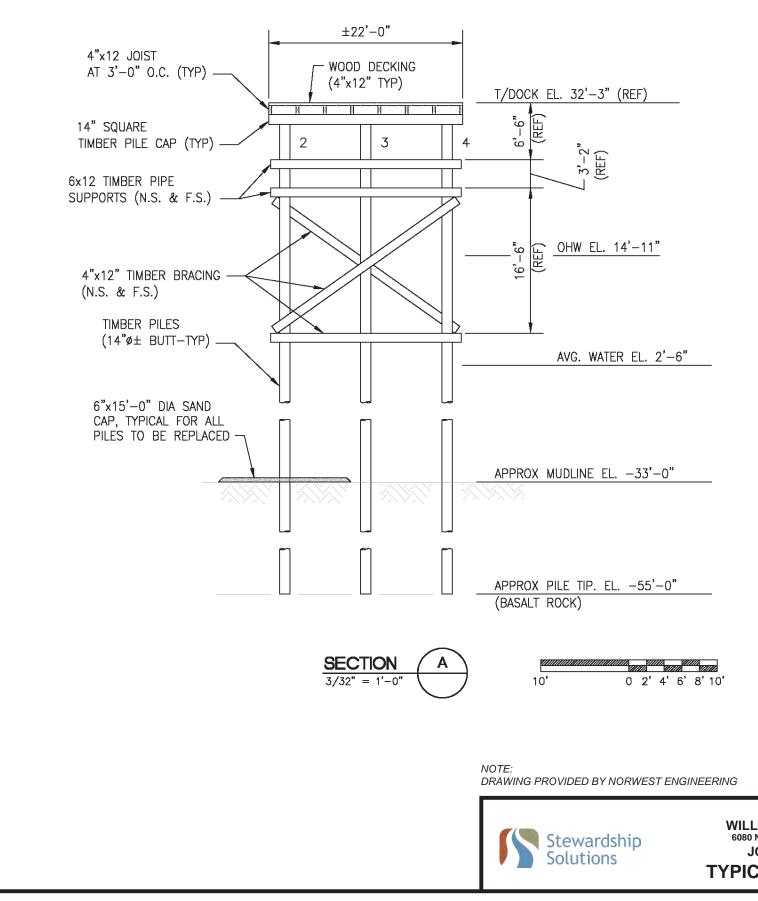


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TYPICAL SAND CAP SECTION

KINDER MORGAN WILLBRIDGE DOCK MAINTENANCE 6080 NW FRONT AVENUE, PORTLAND, OREGON JOINT PERMIT APPLICATION

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