

CHAPTER 10
STANDARD DRAWING REVISION LOG

B10.1 Foundation Plan

Oct 2023 Added new sheet for pile layout
Added shell pile & H-pile legend.
Changed shell test pile symbol to a solid circle.

B10.2 Foundation Details

June 2006 Modified Note 4 to require prefabricated splicers to be welded in accordance with ANSI/AWS D1.1.
Modified Note 5 to include Inspection and limited AWS D1.5 to piles with an OD greater than 18".
Added Note 5a requiring all HP piles and shell piles $\leq 18"$ OD to conform to AWS D1.1.

April 2008 Corrected reference in Notes 3 & 4 to A10.2

July 2009 Deleted pile pay length detail
Added Note 14 for estimated pile length shown in the Pile Schedule.
Added Estimated Cut-off and Estimated Pile Tip Elevations in the Pile Schedule.
Revised Note 5 to AWS D1.1 with 25% of all welds UT.

July 2010 Note 4 revised to move welding requirements to Note 7.
Revised Note 7 to require welding of all pile points and prefabricated splicers.
Revised Note 7 to require approval of welding details and procedures.

March 2011 Deleted Note 15 that referenced predrilling Special Provisions.

Feb 2012 Revised Note 9 to require the wave equation be performed by the contractor in accordance with Section 505-G.
Revised Note 10 to notify the "Engineer" and not "Geotechnical Engineer".
Revised Note 11 to refer to "Highest Pile Tip Elevation" instead of "minimum penetration".

June 2013 Added Grade 3 shell piles to note 1A.

May 2014 Revised H-piles to ASTM A572 Grade 50 in note 1.
Revised note 2 for splice plates to be the same material as the piles.
Changed bearing capacity to Kips in note 9.

March 2015 Revised note 1A to define shell pile diameter as "outside diameter".
Revised note 14 to change "estimated cut-off" to "cut-off".
Revised Pile Schedule to change "estimated pile cut-off" to "pile cut-off".
Revised H-Beam Splice Detail to show extending backing plate and then trim flush.

Aug 2016 Revised notes based upon comments from Materials/Construction Section.

March 2018 Changed thickness of shell pile closure plate from 1" to 1½". The thicker plate gives better results for dynamic pile testing.

Nov 2019 Revised Notes 3 & 4 for Pile Points and splicers to reference ITD's QPL list.
Added Note 15 for test pile recommendations.
Revised format of notes to active voice, imperative mood.

May 2021 Changed title of sheet from "Footing Layout and Pile Notes" to "Foundation Details".
Changed name from "H-Beam Pile" to "H-Pile" in the Butt Welded Splice Detail and Tension Connection Detail.

Jan 2022 Converted sheet to ORD format.

June 2022 Removed inch symbol from weld symbol.
Revised format of leader lines.

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- Oct 2023 Revised Note 5 to require “ultrasonic test (UT) 25% of all welds in each construction stage”.
Added Test Pile notes 12 – 15.
Added Notes to Designer for tension connection in accordance with Article 5.11.3.2.1.
Revised notes format for active voice, imperative mood and Writer’s Style Guide.
Renamed sheet from B10.1 to B10.2
- Dec 2024 Deleted H-pile and Shell pile details and created new sheets B10.3 and B10.4 for pile details.
Revised note 1A to specify ASTM A-709 Grade 50 steel for closure plates instead of ASTM A572.
Added Note to Designer “Select the appropriate details from B10.3 or B10.4 and then place them in this space.”

B10.3 H-Pile Details

- Dec 2024 Added new sheet.

B10.4 Shell Pile Details

- Dec 2024 Added new sheet.