1 2	(September 8, 2020) Furnishing St. Piling
3 4	Structural Welding Code, and Section 6-03.3(25), except that all weld filler metal
5 6 7	D1.5M/D1.5:2020 Bridge Welding Code.
8	Welding and joint geometry for splices shall be qualified in accordance with Clause
9	4, Qualification, of the AWS D1.1/D1.1M, latest edition, Structural Welding Code.
10	the AWS D1 1/D1 1M latest edition. Structural Welding Code, shall be performed
12	CVN testing shall include five tests at 0°F. The acceptance threshold for the five
13	samples shall meet an average value of 20-foot-pounds CVN for the set of test
14	coupons and a minimum value of 15-foot-pounds CVN for any individual test
15	coupon. The Contractor may submit documentation of prior qualification to the
16	Engineer to satisfy this requirement.
17	Fords of standards with a shall be granted for sufficientia second-second (b. AM/O
18	Ends of steel pipe piling shall be prepared for splicing in accordance with AVVS
20	D1.1/D1.110, latest edition, Structural Weiding Code.
21	All splices shall be complete penetration groove welds using continuous backing
22	rings of 1/4 inch minimum thickness. Tack welds shall be located in the root of the
23	complete penetration groove weld.
24	
25	Shop splices shall be 100 percent visually and ultrasonically inspected in
26	accordance with the acceptance criteria for statically loaded non-tubular
21	Connections in Table 6.1 and the acceptance criteria in Table 6.2 in AWS
20 20	splices shall conform to Section 5.26 of AWS D1.1/D1.1M latest edition. Structural
30	Welding Code, using approved repair and weld procedures.
31	
32	Field splice welds and welders shall be further qualified, tested and inspected as
33	follows:
34	
35	1. Welder qualification shall be performed on sample full girth sections of
36	steel pipe pile to be used, in the same position and using the same weld
<i>७।</i> २८	may be performed on the test piles during test pile installation
39	may be performed on the test piles during test pile installation.
40	2. Weld gualification tests shall be conducted in the presence of the
41	Contractor's CWI and a representative of the Contracting Agency.
42	
43	3. Field welded test joints for welder qualification shall be inspected as
44	specified above for shop splices.
45 46	4 Dreduction nile field enlines shall be inspected as apacified above for above
40 47	4. FIDUUCTION PILE HEID SPILLES SHAll DE INSPECTED AS SPECIFIED ADOVE FOR SNOP
48	Plans All welds shall be 100 percent visually inspected. The Engineer
49	and the Contractor's CWI reserve the right to request UT inspection of
50	splices in any pile location.
51	

Quality control for field welding shall be conducted by an AWS Certified Welding
Inspector (CWI). The Contractor shall not begin pile splicing operations until
receiving the CWI's approval of the joint fit-up. The CWI shall inspect 100 percent
of all field welds in accordance with the criteria and requirements specified above.
All field splices shall have received the CWI's approval prior to Engineer
acceptance.
The CWI shall prepare a Type 1 Working Drawing documenting the results of the

- 9 nondestructive quality control inspection of all field welds, and shall submit the
- 10 report to the Engineer within five working days of the completion of the final pile
- 11 splice in the project or as otherwise requested by the Engineer.