

The Disaster #4564DR, which occurred between 9/14/2020 and 9/28/2020

, caused:

Damage #419422; Casino Beach Fishing Pier

The Casino Beach Fishing Pier is also known as the Pensacola Beach Gulf Pier.

General Facility Information: Facility Type: Other

Facility: Casino Beach Fishing Pier

Facility Description: The pier (also known as the Pensacola Beach Gulf Pier) is 1,471 FT long which includes the concrete ramp at the base of the pier. The majority of the pier is 22 FT wide. The last 66 FT of the pier is 42 FT wide. The pier consists of prestressed concrete piles, concrete pile caps and prestressed concrete beams spanning between the pile caps. The pier has 48 bents and the span between the bents is 30 FT. The deck consists of timber blowout panels spanning between the top flange of the concrete beams.

Year Built: 2001

Location Description: 1 Casino Beach, Pensacola Beach, FL

Start GPS Latitude/Longitude: 30.33130, -87.14280

End GPS Latitude/Longitude: 30.32723, -87.14191

General Damage Information: Date Damaged: 9/16/2020 to 9/20/2020

Cause of Damage: Damaged by high winds, storm surge, storm surge debris and wave action hydraulic forces from Hurricane Sally.

Facility Damage: A. Superstructure: Ancillary, 1 each of fiberglass flagpole, 27 FT long x 4.5 IN in diameter, damaged by high winds and storm surge, 0% work completed.

Decking, 55 each of timber decking panels, 4.5 FT long x 5 FT wide, displaced and distorted by storm surge and wave action hydraulic forces (they were recovered, but will need to be re-built), 0% work completed.

Decking, 6 each of timber decking panels, 8.5 FT long x 5 FT wide, displaced and distorted by storm surge and wave action hydraulic forces (they were recovered but will need to be re-built), 0% work completed.

Guardrail, 42 IN high timber guardrail consisting of 6 IN x 6 IN posts (typically spaced 6FT on center), 2 IN x 6 IN top rail, 2 IN x 10 IN bottom rail, 2 IN x 2 IN balusters (spaced approximately 4 IN on center), and 2 IN x 10 IN (1.5 IN x 9.25 IN) trex rail cap, 2,753 LF long, was displaced or structurally compromised by storm surge and wave action hydraulic forces, 0% work completed.

Ancillary, double chain link gate, 24 FT long x 6 FT high, displaced by high winds, storm surge, storm surge debris and wave action hydraulic forces, 0% work completed.

Lighting, 4 each of BEGA 2822P/MOD/18LPS120VNPF lights, displaced by high winds and storm surge, 0% work completed.

Lighting, 1 1/2 IN diameter electrical conduit, 120 Volt, displaced and damaged by storm surge and wave action hydraulic forces, causing the 6841 LF of electrical conductors and the 183 lights to be non-functional, 0% work completed.

Ancillary, 1 1/2 IN diameter PVC water pipe, 70 PSI, displaced and damaged by storm surge and wave action hydraulic forces, causing 1322 LF of PVC water pipe and the fish cleaning stations to be non-functional, 0% work completed.

Ancillary, 1 each of SeeCoast Mark I Telescope, 20X, washed away by storm surge and wave action hydraulic forces, 0% work completed.

Signage, 3 each of aluminum signs, 36 IN wide x 36 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 4 each of aluminum signs, 42 IN wide x 30 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 1 each of aluminum sign, 30 IN wide x 42 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 1 each of aluminum sign, 42 IN wide x 24 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 31 each of aluminum signs, 12 IN wide x 18 IN high, damaged by windblown debris (sand blasted) or displaced by high winds, 0% work completed.

Signage, 20 each of aluminum signs, 12 IN wide x 24 IN high, damaged by windblown debris (sand blasted) or displaced by high winds, 0% work completed.

Signage, 1 each of aluminum sign, 60 IN wide x 42 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 1 each of aluminum sign, 36 IN wide x 18 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 6 each of aluminum signs, 30 IN wide x 6 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 4 each of aluminum signs, 42 IN wide x 18 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 3 each of aluminum signs, 18 IN wide x 30 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 1 each of aluminum sign, 30 IN wide x 36 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 7 each of aluminum signs, 24 IN wide x 24 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 3 each of aluminum signs, 24 IN wide x 30 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Signage, 2 each of aluminum signs, 36 IN wide x 24 IN high, damaged by windblown debris (sand blasted), 0% work completed.

Bent/Span 04: Beam 4-4 South, 0.167 CF of spalled concrete, 16 IN long x 6 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 4 Closure, concrete crack, 11 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 05: Bent 5W Light Column, 0.146 CF of spalled concrete, 14 IN long x 6 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 5-1, 1 CF of spalled concrete, 24 IN long x 12 IN wide x 6 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 5-2, 0.333 CF of spalled concrete, 24 IN long x 6 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 5-2, 0.0741 CF of spalled concrete, 16 IN long x 8 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 5-3, 0.333 CF of spalled concrete, 24 IN long x 24 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 5E Closure, concrete crack, 5.67 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 5-2, 0.0741 CF of spalled concrete, 16 IN long x 8 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 06: Beam 6-3, 0.009 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 6-4, 0.333 CF of spalled concrete, 24 IN long x 6 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 6 Closure, concrete crack, 3 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 6E Closure, concrete crack, 2 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 07: Beam 7-2, 0.083 CF of spalled concrete, 24 IN long x 2 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 7-1, 0.1667 CF of spalled concrete, 24 IN long x 4 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 08: Bent 8 Closure, concrete crack, 3 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 8E Closure, 0.1667 CF of spalled concrete, 12 IN long x 6 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 8-1, 0.1667 CF of spalled concrete, 24 IN long x 12 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 8-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 8-4, 0.0556 CF of spalled concrete, 8 IN long x 4 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 09: Bent 9 Closure, concrete crack, 2 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 9-4, 0.0093 CF of spalled concrete, 4 IN long x 2 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 9-4, 0.0093 CF of spalled concrete, 4 IN long x 2 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 9-4, 0.1481 CF of spalled concrete, 16 IN long x 4 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 9-4, 0.4167 CF of spalled concrete, 20 IN long x 12 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 9-3, 0.6667 CF of spalled concrete, 24 IN long x 12 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 10: Bent 10W Closure, concrete crack, 3.33 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 10W Closure, 0.1296 CF of spalled concrete, 14 IN long x 4 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 10-2, 0.3333 CF of spalled concrete, 24 IN long x 6 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 10-3, 0.3333 CF of spalled concrete, 24 IN long x 6 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 10-1, 0.125 CF of spalled concrete, 24 IN long x 3 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 11: Beam 11-3, 0.2222 CF of spalled concrete, 24 IN long x 8 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 11-4, 0.0556 CF of spalled concrete, 8 IN long x 4 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 11-3, 0.6667 CF of spalled concrete, 48 IN long x 12 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 11-3, 0.0833 CF of spalled concrete, 12 IN long x 6 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 11-4, 0.1111 CF of spalled concrete, 12 IN long x 8 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 11-4, 0.0833 CF of spalled concrete, 36 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 12: Beam 12-1, 0.125 CF of spalled concrete, 36 IN long x 3 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 12-3, 1 CF of spalled concrete, 36 IN long x 24 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 12-3, 0.125 CF of spalled concrete, 36 IN long x 3 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 12-2, 0.0556 CF of spalled concrete, 8 IN long x 6 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 13: Beam 13-3, 0.1111 CF of spalled concrete, 24 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 13-2, 0.5 CF of spalled concrete, 24 IN long x 12 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 13-2, 0.0556 CF of spalled concrete, 12 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 13-3, 0.1667 CF of spalled concrete, 36 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 13-3, 0.125 CF of spalled concrete, 36 IN long x 6 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 15: Bent 15 Closure, concrete crack, 2 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 16: Beam 16-2, 0.4167 CF of spalled concrete, 30 IN long x 8 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 17: Bent 17W Light Column, 0.2222 CF of spalled concrete, 12 IN long x 8 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 20: Bent 20W Light Column, 0.0625 CF of spalled concrete, 12 IN long x 3 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 21: Beam 21-3, 1.3333 CF of spalled concrete, 24 IN long x 24 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 22: Beam 22-1, 0.8889 CF of spalled concrete, 16 IN long x 16 IN wide x 6 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 23: Bent 23E Closure, concrete crack, 2 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 23W Closure, concrete crack, 2 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 23W Closure, 0.25 CF of spalled concrete, 18 IN long x 6 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 23W Light Column, 0.2222 CF of spalled concrete, 16 IN long x 6 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 23-1, 0.0833 CF of spalled concrete, 24 IN long x 3 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 23-3, 0.0833 CF of spalled concrete, 24 IN long x 3 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 25: Beam 25-3, 0.0417 CF of spalled concrete, 36 IN long x 2 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 25-3, 1.3333 CF of spalled concrete, 24 IN long x 24 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 26: Beam 26-2, 0.8333 CF of spalled concrete, 24 IN long x 20 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 28: Beam 28-4, 0.3333 CF of spalled concrete, 24 IN long x 6 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 29: Beam 29-3, 0.6667 CF of spalled concrete, 24 IN long x 12 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 29-4, 0.6667 CF of spalled concrete, 24 IN long x 12 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 30: Beam 30-1, 0.6667 CF of spalled concrete, 24 IN long x 12 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 30-3, 0.6667 CF of spalled concrete, 24 IN long x 12 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 34: Beam 34-4, 0.25 CF of spalled concrete, 24 IN long x 6 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 34-4, 0.1667 CF of spalled concrete, 24 IN long x 4 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 36: Bent 36E Closure, 0.8333 CF of spalled concrete, 20 IN long x 12 IN wide x 6 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 36 Closure, 0.6944 CF of spalled concrete, 20 IN long x 10 IN wide x 6 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 37: Bent 37W Closure, concrete crack, 3.33 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 37E Light Column, concrete crack, 8 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 40: Bent 40E Light Column, concrete crack, 8 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 40-1, 0.25 CF of spalled concrete, 24 IN long x 6 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 41: Bent 41E Light Column, concrete crack, 8 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 41-1, 0.4444 CF of spalled concrete, 16 IN long x 12 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.



Bent/Span 42: Beam 42-1, concrete crack, 1.33 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 42E Light Column, concrete crack, 5 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 42-1, 0.6667 CF of spalled concrete, 24 IN long x 12 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 42-2, 0.125 CF of spalled concrete, 24 IN long x 3 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 42-2, 0.25 CF of spalled concrete, 24 IN long x 6 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 43: Bent 43 Closure, concrete crack, 3 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 44: Bent 44E Light Column, concrete crack, 8 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 44-2, 0.1667 CF of spalled concrete, 24 IN long x 6 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 44-1, 0.3333 CF of spalled concrete, 24 IN long x 6 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 45: Beam 45-1, 0.25 CF of spalled concrete, 24 IN long x 6 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 45-2, 2 CF of spalled concrete, 24 IN long x 24 IN wide x 6 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 45-1, 0.0417 CF of spalled concrete, 12 IN long x 3 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 46: Bent 46 Light Column, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep,

caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 46-5, 0.3333 CF of spalled concrete, 24 IN long x 12 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 47: Beam 47-3, 0.6667 CF of spalled concrete, 24 IN long x 12 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 47-4, 0.6667 CF of spalled concrete, 24 IN long x 12 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 47-3, 0.5 CF of spalled concrete, 24 IN long x 12 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 47-4, 0.5 CF of spalled concrete, 24 IN long x 12 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 47-5, 0.5 CF of spalled concrete, 24 IN long x 12 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Beam 47-6, 0.5 CF of spalled concrete, 24 IN long x 12 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent/Span 48: Bent 48 Closure, concrete crack, 7.5 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

B. Substructure: Bent 04: Pile Cap 4 (W), 0.002 CF of spalled concrete, 2 IN long x 2 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 05: Pile Cap 5 (W), 1.167 CF of spalled concrete, 21 IN long x 24 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 5 (E), 1.167 CF of spalled concrete, 21 IN long x 24 IN wide x 4 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 5-1, 0.021 CF of spalled concrete, 12 IN long x 3 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 5 (W), concrete crack, 20 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 5 (E), concrete crack, 15 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 06: Pile 6-2, 0.016 CF of spalled concrete, 7 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 6 (E), concrete crack, 2 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 07: Pile 7-1, 0.046 CF of spalled concrete, 8 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 7-3, 0.076 CF of spalled concrete, 22 IN long x 3 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 7-2, 0.0023 CF of spalled concrete, 2 IN long x 2 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 7, 0.037 CF of spalled concrete, 8 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 7-2, 0.0023 CF of spalled concrete, 2 IN long x 2 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 08: Pile Cap 8 (E), 0.111 CF of spalled concrete, 12 IN long x 8 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 09: Pile 9-1, 0.0694 CF of spalled concrete, 12 IN long x 10 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 10: Pile Cap 10 (E), 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 10-2, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 10-2, 0.0694 CF of spalled concrete, 12 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 11: Pile 11-2, 0.0405 CF of spalled concrete, 7 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 12: Pile Cap 12, concrete crack, 30 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 12-1, 0.0833 CF of spalled concrete, 12 IN long x 6 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 12, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 13: Pile Cap 13, concrete crack, 1.5 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 13-3, 0.3241 CF of spalled concrete, 20 IN long x 14 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 13-2, 0.0579 CF of spalled concrete, 10 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 14: Pile 14-2, 0.0417 CF of spalled concrete, 6 IN long x 6 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 14-3, 0.1806 CF of spalled concrete, 26 IN long x 6 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 14-3, 0.1389 CF of spalled concrete, 20 IN long x 6 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 14-2, 0.2315 CF of spalled concrete, 20 IN long x 10 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 14-2, 0.0926 CF of spalled concrete, 16 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 15: Pile Cap 15, concrete crack, 5 FT long, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 15, 0.0486 CF of spalled concrete, 14 IN long x 3 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 15-1, 0.0174 CF of spalled concrete, 5 IN long x 3 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 15-2, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 16: Pile 16-2, 0.0694 CF of spalled concrete, 12 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 19: Pile 19-1, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 19-2, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 22: Pile 22-1, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 22-1, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 23: Pile Cap 23 (E), 0.6667 CF of spalled concrete, 16 IN long x 12 IN wide x 6 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 23-2, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 23-2, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 23-2, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 23-2, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 23-3, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 23-3, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 23-3, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 23-3, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 23, 0.0208 CF of spalled concrete, 6 IN long x 3 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 24: Pile 24-3, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 24-3, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 24-3, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 24-3, 0.0145 CF of spalled concrete, 5 IN long x 5 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 25: Pile 25-1, 0.0052 CF of spalled concrete, 3 IN long x 3 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 25-1, 0.0052 CF of spalled concrete, 3 IN long x 3 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 25-1, 0.0052 CF of spalled concrete, 3 IN long x 3 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 25-1, 0.0052 CF of spalled concrete, 3 IN long x 3 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 25-2, 0.0052 CF of spalled concrete, 3 IN long x 3 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 25-2, 0.0052 CF of spalled concrete, 3 IN long x 3 IN wide x 1 IN deep, caused by storm surge and



Pile 26-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 27: Pile 27-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 27-1, 0.0694 CF of spalled concrete, 12 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 28: Pile 28-1, 0.0231 CF of spalled concrete, 10 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 28-1, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 28-1, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and





Pile 29-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 29-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 29-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 29-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 29-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 30: Pile Cap 30, 0.3333 CF of spalled concrete, 24 IN long x 8 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-1, 0.0278 CF of spalled concrete, 8 IN long x 6 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-1, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-1, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-1, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-1, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-2, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-2, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-2, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-2, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-3, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-3, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-3, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 30-3, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 31: Pile 31-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 31-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 31-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 31-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 31-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 31-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 31-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 31-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 31-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 31-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 31-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 31-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 31, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 31, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 32: Pile 32-2, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.





wave action hydraulic forces, 0% work completed.

Pile 34-3, 0.0289 CF of spalled concrete, 5 IN long x 5 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 36: Pile 36-1, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 36-1, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 36-1, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 36-1, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 36-2, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 36-2, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 36-2, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 36-2, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 36-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 36-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 36-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 36-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 37: Pile 37-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 37, 0.0104 CF of spalled concrete, 3 IN long x 3 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.



Bent 40: Pile 40-1, 0.026 CF of spalled concrete, 15 IN long x 3 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-1, 0.0741 CF of spalled concrete, 8 IN long x 8 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 40-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 41: Pile 41-1, 0.0139 CF of spalled concrete, 8 IN long x 3 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 41-1, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 41-1, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and







Pile 43-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 43-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 43-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 43-3, 0.0185 CF of spalled concrete, 4 IN long x 4 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 44: Pile 44-2, 0.0231 CF of spalled concrete, 20 IN long x 2 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 44-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 45: Pile 45-3, 0.0463 CF of spalled concrete, 10 IN long x 8 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-1, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-2, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 45-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Bent 46: Pile Cap 46, 0.0625 CF of spalled concrete, 12 IN long x 3 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 46, 0.3333 CF of spalled concrete, 24 IN long x 8 IN wide x 3 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile Cap 46, 0.6667 CF of spalled concrete, 24 IN long x 24 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 46-1, 0.0741 CF of spalled concrete, 8 IN long x 8 IN wide x 2 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.







wave action hydraulic forces, 0% work completed.

Pile 48-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 48-3, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 48-4, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 48-4, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 48-4, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 48-4, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 48-5, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 48-5, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 48-5, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

Pile 48-5, 0.0093 CF of spalled concrete, 4 IN long x 4 IN wide x 1 IN deep, caused by storm surge and wave action hydraulic forces, 0% work completed.

The DDD has been updated to incorporate additional comments concerning guardrail material sizes, length of electrical conduit, length of water pipe and signage which were not visible during the physical site inspection. SIR remains intact but DDD has been updated (see document DR4564 - WO#66270 - DI#419422 - MACDONALD DDD Comments).



