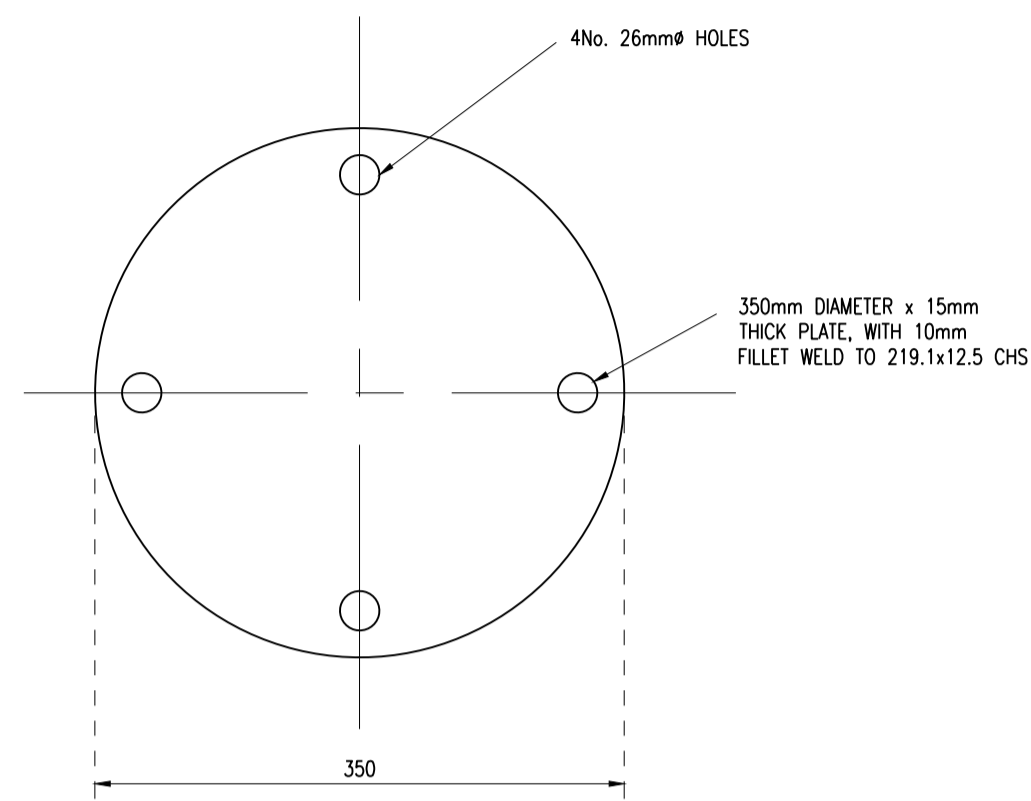
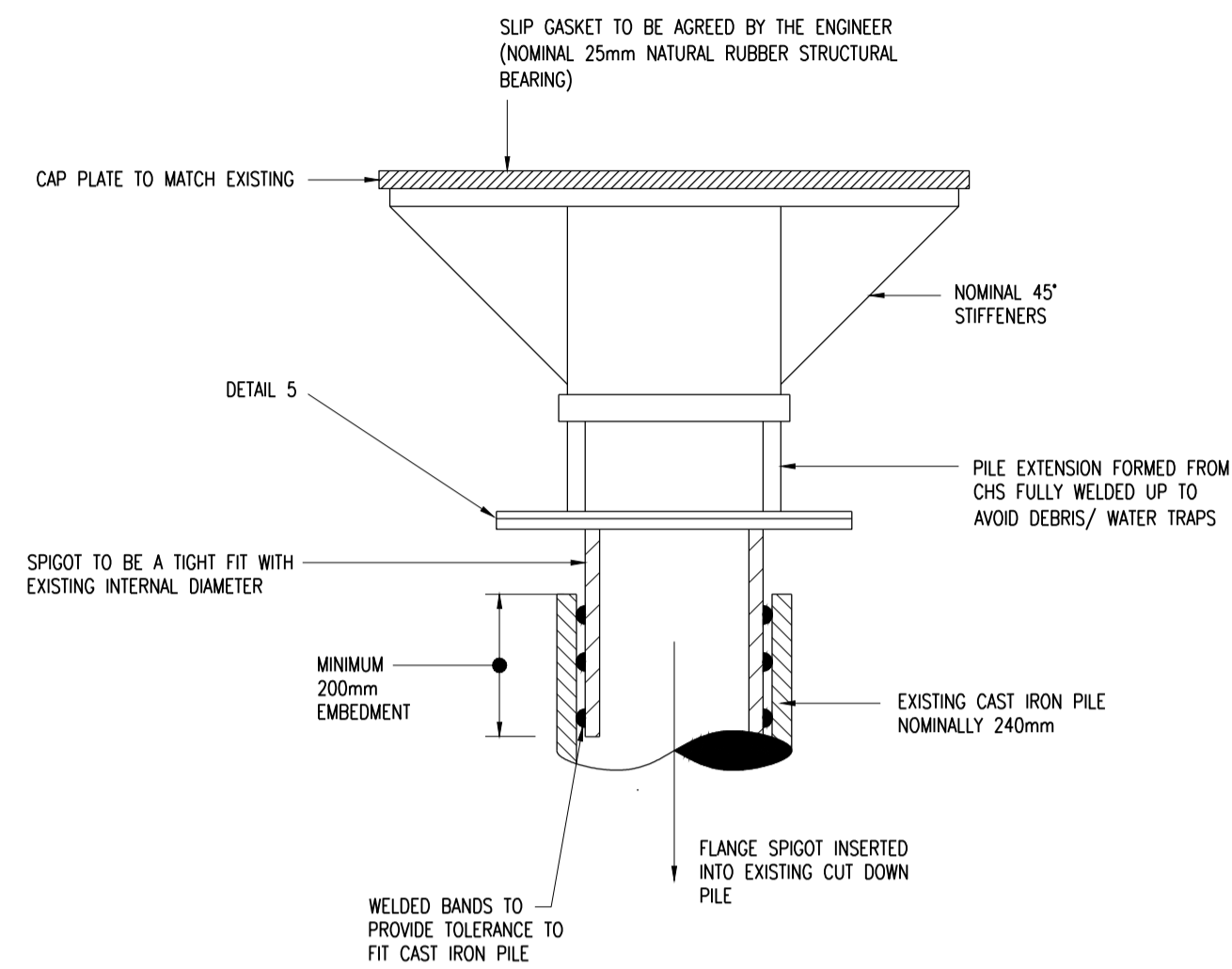


100mm
50mm
0mm



DETAIL 5
NEW PILE CAP BASE-PLATE
(1:10)



TYPICAL PILE CAP REPLACEMENT DETAIL
(1:20)

NOTES.

ORIGINAL DRAWING SIZE A1

- 1. GENERAL**
 - (i) This drawing is not to be scaled, work to figured dimensions only, confirmed on site.
 - (ii) This drawing is to be read in conjunction with all relevant architectural drawings, detailed specifications where applicable and all associated drawings in this series.
 - (iii) Any discrepancy on this drawing is to be reported immediately to the partnership for clarification.
 - (iv) The contractor is responsible for all temporary works and for the stability of the works in progress.
- 2. PAINT**
 - (i) All structural Steelwork including all connections shall be coated with shop applied INTERZONE 954 Modified Epoxy protective coating to 450 micron Dry Film Thickness (DFT) as per manufacturers specification or similar approved (over coated on to the galvanised steel).
- 3. TEMPORARY SUPPORT**
 - (i) Temporary support to be designed and provided by contractor.
 - (ii) Temporary works to allow train to run and public deck to remain open, loading details are provided in the tender document.
- 4. STRUCTURAL STEELWORK**
 - (i) All sections to be grade S355J2 unless otherwise noted. All to standard BS EN 10025-1:2004.
 - (ii) All structural hollow sections are to be hot rolled to BS EN 10210-1: 2006, grade S355J2H to BS EN 10025-2.
 - (iii) All structural steelwork shall comply with the latest addition of the "National Structural Steelwork Specification For Building Construction". All fabricated steelwork shall comply with BS EN 1090-1 (Execution Class EXC2).
 - (iv) All surface preparation work to steelwork to be in accordance with BS7079:2009. All steelwork to be blast cleaned to SA2.5 unless otherwise stated.
 - (v) All bolts to be M20 Grade 8.8 and conform to BS EN 15048-1:2007 unless otherwise stated. All welds to be min. 10mm fillet welds unless otherwise stated. To be spun galvanised.
- 5. GALVANISED STEELWORK**
 - (i) All steel to be hot dip galvanised to BS EN ISO 1461 standard. To a minimum thickness of 85 microns. All preparation work to be in accordance with B.S. 5493.

NOTE:-

THE CONTRACTOR SHALL WHERE POSSIBLE REUSE EXISTING PILE CLAMPS FOLLOWING A VISUAL INSPECTION AND AGREEMENT FROM THE ENGINEER

NOTE:-

THE PROPOSED WORKS INVOLVE REPAIR AND/OR REPLACEMENT OF EXISTING STEEL, WROUGHT AND CAST IRON STRUCTURAL MEMBERS ON THE PIER, AS FAR AS IS PRACTICAL, ON A 'LIKE FOR LIKE' BASIS.

THE PRESENT PIER STRUCTURE (OTHER THAN TIMBER AND CONCRETE SECTIONS) IS CONSTRUCTED FROM 3 MATERIALS:-

- COLUMNS AND COLUMN HEADS - CAST IRON
- COLUMN BRACING - WROUGHT IRON AND STEEL
- DECK GIRDERS AND DECK SUPPORT BEAMS - SIMPLE OR COMPOUND (RIVETED) MEMBERS IN WROUGHT IRON AND STEEL.

NON STANDARD REPAIR DETAIL
TO BE CONFIRMED (28/07/16)

HOP
HEMSLEY ORRELL PARTNERSHIP
CONSULTING CIVIL & STRUCTURAL ENGINEERS

ISSUED FOR INFORMATION

ISSUED FOR INFORMATION		28.07.2016	L.R.S	-		
Revision	Date	By	Rev. No.			
Client SOUTHEND-ON-SEA BOROUGH COUNCIL						
Project SOUTHEND PIER EMERGENCY REPAIRS						
Title EMERGENCY REPAIR DETAILS						
HOP HEMSLEY ORRELL PARTNERSHIP CONSULTING CIVIL & STRUCTURAL ENGINEERS HOP House, 41 Church Road, Hove BN3 2BE Tel : +44 (0)1273 223900 Fax : +44 (0)1273 326767 E-Mail : engineers@hop.uk.com www.hop.uk.com						
Scales	Date	Drawn	Engineer	Checked	Approved	HOP Contact
1:200 U.N.O	07/16	J.K.M	N.P.C	N.P.C	-	N.CHASTON
Project No.	Task No.	Dwg. No.	Rev. No.			
12211	23	LBC05	-			