



METHOD STATEMENT

SEA DEFENCE WORKS

FOR

Mr & Mrs M Atkin.

Langness, Woodgaston Lane Hayling Island.

March 2013

Burras Ltd intend to remove the existing timber sea defence works and replace a new scheme as per the enclosed sketch and quotation.

The works are anticipated to take 1 week and will be timed to be carried out at a suitable low' high water period between the dates of 1 April and 30 September, in order to avoid the period of overwintering birds in the harbour.

The line of the wall will be straightened which in part will move the wall approximately 600mm northwards. All work will take place from the North side of the wall, not from the Beach.

1. Mobilise plant and equipment to Site.

All material and plant will be delivered straight to site using the existing road access. The principal plant will be an adaptable excavator.

2. Strip top soil

This will be done using the excavator on the land side of the site. Spoil to temporary spoil heap to adjacent garden area.

3. Demolish existing timber wall.

This will be done using the excavator on the land side of the site. Rusted iron supports removed from site. Old timber cut up and used for domestic fires.

4. Excavate trench

This will be done using the excavator on the land side of the site. Spoil to temporary spoil heap to adjacent garden area.

5. Drive larssen sheet piles

This will be done using the excavator coupled to a hydraulic vibro piler, on the land side of the site.

6. Fix Channel

This will be lifted into position using the excavator on the land side of the site and welded together using a diesel driven welder.

7. Lay railway sleepers

These will be lifted into position using the excavator on the land side of the site.

8. Drill and recess sleepers

This will be done using an air driven drill.

9. Fix PFC

These will be lifted on with the excavator.

10. Bolts

By hand using ratchet socket.

11. Drive anchor piles

This will be done using the excavator coupled to a hydraulic vibro piler on the land side of the site.

12. Tie rods

Trench excavated by excavator.

13. Geotextile

By hand.

14. Capping sleepers

Lifted by excavator.

15. Backfill

By excavator, from temporary spoil heap.

16. Making good the beach

This will be minimal as no invasion of this space is necessary and all material will be, reused existing beach ballast.

17. Pollution prevention measures

Burras Ltd are experienced Civil Engineers with, in depth, experience of working in Environmentally sensitive areas. As a result full attention is paid to the pollution prevention advice and guidance (PPG) directed by the Environment Agency. In particular for these works, a bunded (110%) fuel tank will be used and a spill kit utilising absorbent pads will be available throughout the works.

KANNESS WOODCASTON LANE
HAYLING ISLAND

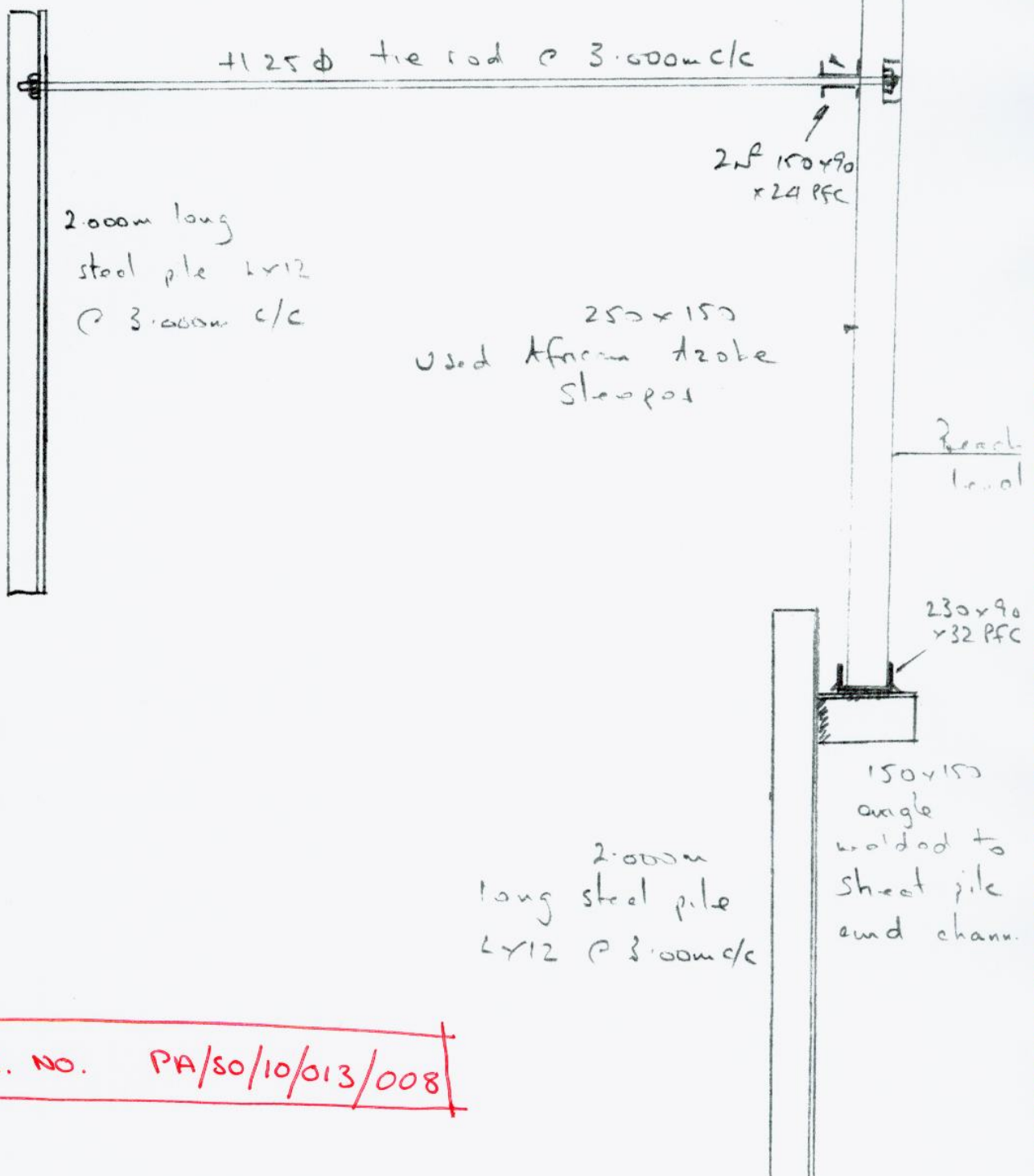
SECTION of SEA WALL

SCALE

1/20

Capping sleeper
each screwed to
vertical sleepers @
1.000m c/c

Remaining sleepers
bolted with M20 bolts to PFC
(all recessed into timber)



DRG. NO. PA/50/10/013/008

MAB/JCM

Mr & Mrs M J Atkin
Langness
Woodgaston Lane
Hayling Island
Hants PO11 0RL

Dear Michael & Victoria

RE: SEA DEFENCE WORKS

A. SEA WALL

	ITEM
1. Mobilise plant and equipment to site.	
2. Strip topsoil for a width of 6.000m, back from existing sea wall and store on site.	18 lin.m.
3. Demolish existing timber wall, leaving material on site.	18 lin.m.
4. Excavate trench 1.000 x 1.000 along line of existing sea wall.	18 lin.m.
5. Supply and drive second hand Larssen LX12 sheet piles 2.000m long.	11 N°
6. Supply and fix 230 x 90 x 32 parallel flange channel to sheet piles.	18 lin.m.
7. Supply and lay used African Azobe railway sleepers into P.F.C.	72 N°
8. Drill and recess sleepers for bolts and tie rods.	72 N°
9. Supply and fix 2 N° 150 x 90 x 24 P.F.C.	18 lin.m.

MR & MRS M J ATKIN

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| 10. Supply and fix M20 diameter bolts, complete with nuts and washers. | 66 N ^o . |
| 11. Supply and drive second hand Larssen LX12 sheet piles, 2.000m long @ 3.000m C/C. | 7 N ^o . |
| 12. Supply and fix 25 diameter tie rods, 3.000m long. | 7 N ^o . |
| 13. Supply and lay geotextile to back side of railway sleepers. | 47 m ² |
| 14. Supply and fix capping railway sleepers, laid horizontally. | 7 N ^o . |
| 15. Backfill behind sleepers with excavated material. | 18 lin.m. |
| 16. Make good beach. | ITEM |

B. SLIPWAY

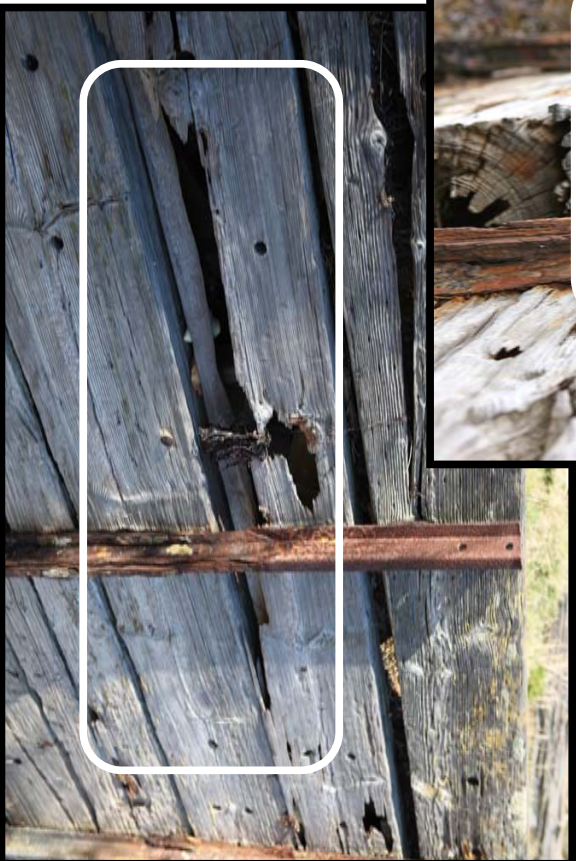
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|---|------|
| 1. Supply and construct slipway 5.000m long x 3.000m wide,
Using concrete ramp and sleeper retainers cutting back into lawn. | ITEM |
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Assuring you of our best attention at all times.

Yours sincerely

Mike

Existing Sea Defences



Deterioration of Existing Sea Defences



Existing Sea Defences - Langness and Seafield House



Indicative appearance of Proposal as seen between Wade Court and Pook Lane Havant