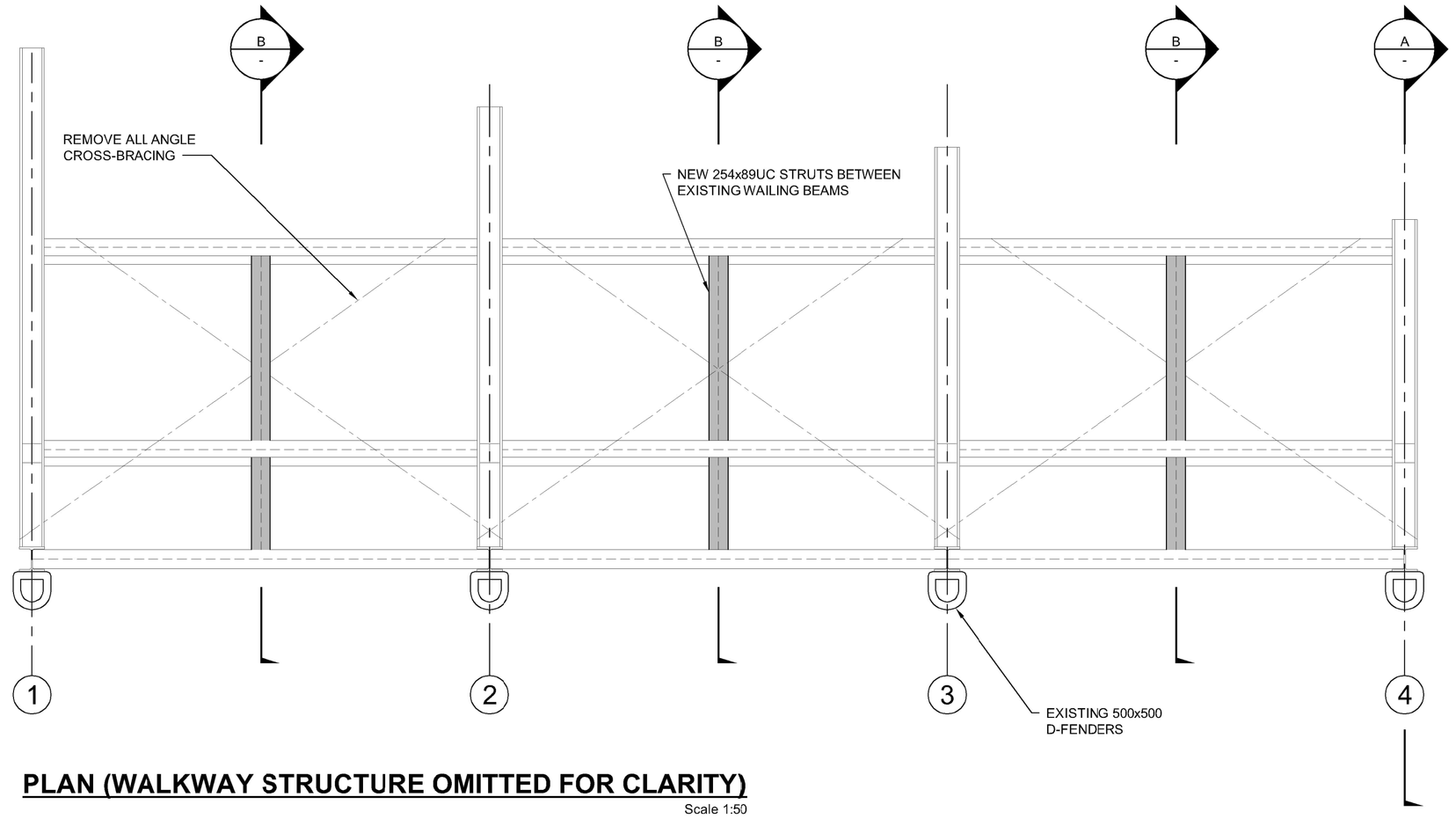
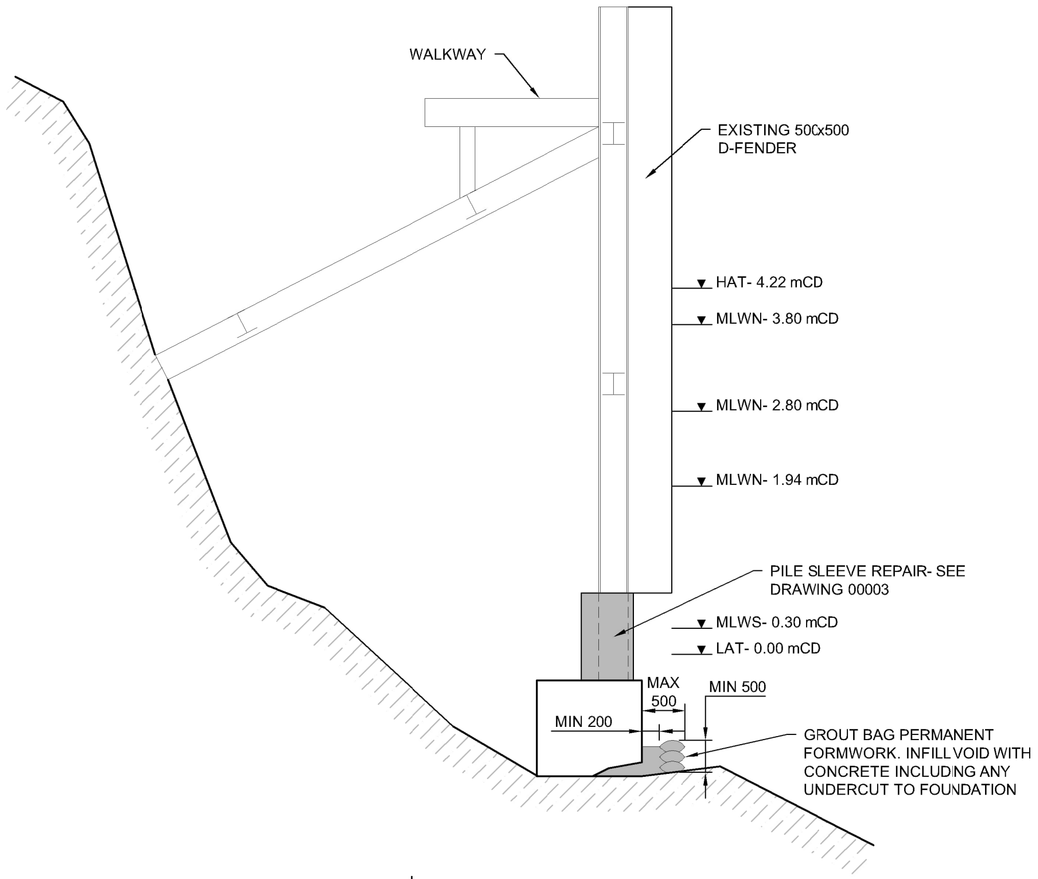
ISO A1 594mm x 841mm
Drawn: PW
Approved: DM
Checked:AM
Designer:AM
Project Management Initials:
Revision: P01



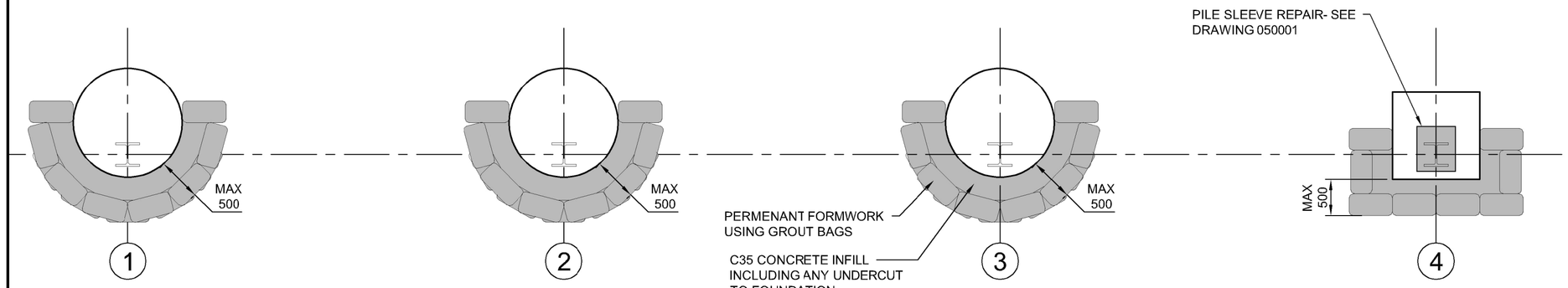
PLAN (WALKWAY STRUCTURE OMITTED FOR CLARITY)

Scale 1:50



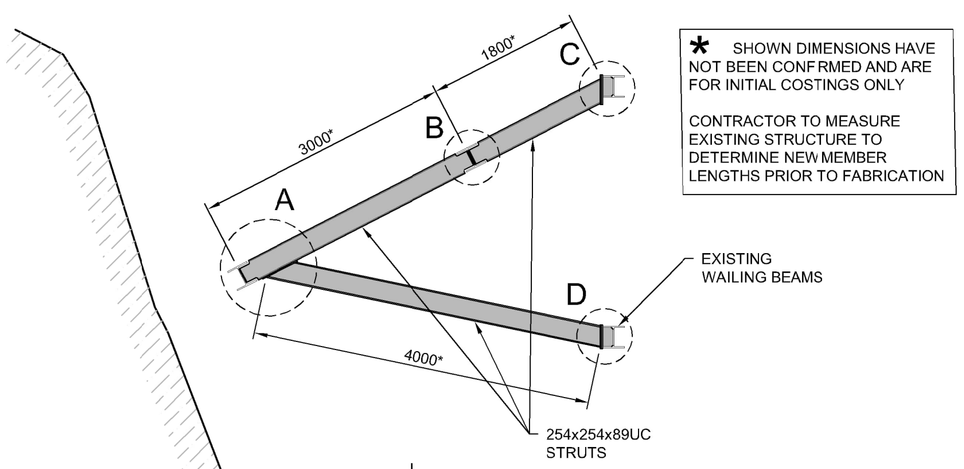
A | SECTION THROUGH PILE 4

Scale 1:50



PLAN ON FOUNDATIONS

Scale 1:50



B | SECTION THROUGH NEW STRUTS

Scale 1:50

* SHOWN DIMENSIONS HAVE NOT BEEN CONFIRMED AND ARE FOR INITIAL COSTINGS ONLY

CONTRACTOR TO MEASURE EXISTING STRUCTURE TO DETERMINE NEW MEMBER LENGTHS PRIOR TO FABRICATION

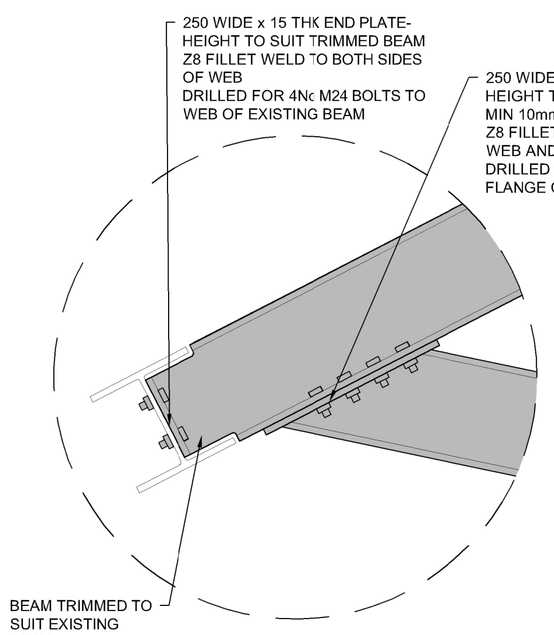
FOUNDATION REINFORCEMENT/REPAIR METHODOLOGY

1. REMOVE ALL MARINE GROWTH FROM CONCRETE FOR EXTENT OF REPAIR AREA INCLLDING WITHIN UNDERCUT
2. SCABBLE FACE OF EXPOSED CONCRETE WITHIN EXTENT OF REPAIR
3. LAY GROUT BAGS IN LAPPING COURSES TO FORM PERMANENT FORMWORK FOR FRONT PERIMETER OF FOUNDATION.
4. INSTALL C40/50 CONCRETE INFILL WITH UNDERWATER ADMIXTURE BETWEEN FORMWORK AND FACE OF CONCRETE, ENSURING THAT ANY UNDERCUT IS FILLED.

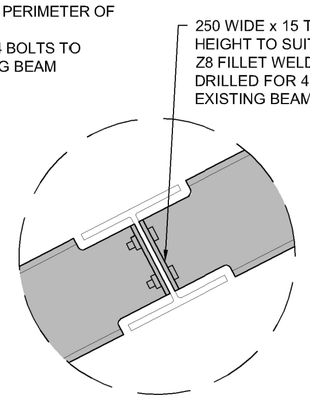
REFER TO SPECIFICATION BUHO-ACM-XX-XX-SP-MT-010001

CONCRETE

- REFER TO SPECIRCATION BUHO-ACM-XX-XX-SP-MT-01 0001
- ALL CONCRETE T0 BE MINIMUM GRADE C35
- AGGREGATE SIZE TO BE 10-20mm
- ALL REINFORCEMENT BARS TO BE TO BS 4449
- CONCRETE WILL BE LAID UNDERWATER AND REQUIRE USE OF AN ANTI-WASHOUT ADMIXTURE.

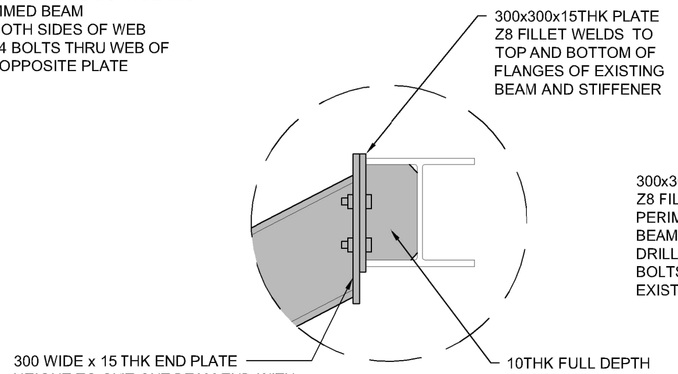


DETAIL 1

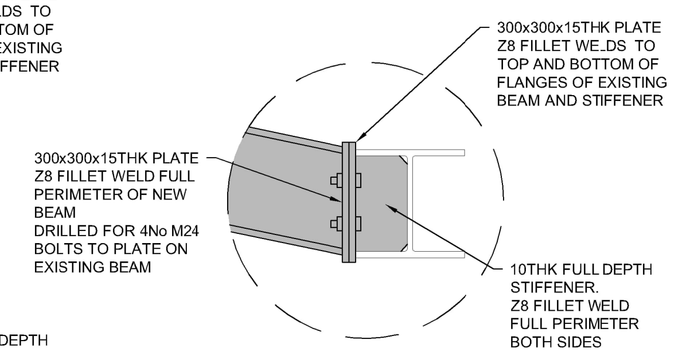


SHIM PLATES MAY BE USED TO AID INSTALLATION OF BEAMS. SHIMS SHALL BE SAME SIZE AS END PLATES

DETAIL 2



DETAIL 3



DETAIL 4

STEEL

- REFER TO SPECIFICATION BUHO-ACM-XX-XX-SP-MT-010001
- ALL STEEL PLATE TO BE MINIMUM GRADE S275 TO BS EN 10025
- ALL STEEL MEMBERS TOBE GRADE S355 TO BS EN 10025
- ALL BOLTS TO BE MIN GRADE 8.8 TO BS 3692 AND TO BE TO BE GALVANIZED

SAFETY HEALTH AND ENVIRONMENT INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information.

Risks listed here are not exhaustive.
Refer to CDM Risk Assessment Register No.
BUHO-XX-XX-HS-ZZ-001001

CONSTRUCTION

C1. PROXIMITY OF OPEN WATER BODIES
C2. THE LOCATION OF ALL SERVICES SHOULD BE IDENTIFIED PRIOR TO WORK COMMENCING
C3. WORKING AT HEIGHT OVER WATER WILL REQUIRE EDGE PROTECTION AND SUITABLE PPE
C4. RISK OF POLLUTANTS ENTERING WATER BODY
C5. LOAD BEARING CAPACITY OF THE EXISTING BERTHING STRUCTURE IS UNKNOWN. CONTRACTOR SHALL DETERMINE STRENGTH WHERE PROPOSING TO SUPPORT CONSTRUCTION LOADS.
C6. RISK OF WORKING WITH CONCRETE /CEMENT INCLUDING SKIN IRRITATION, SEVERE CHEMICAL BURNS AND SERIOUS EYE DAMAGE

MAINTENANCE

M1. STRUCTURAL CONDITION TO BE INSPECTED MAXIMUM EVERY 5 YEARS

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

REFERENCES

BUHO-ACM-XX-XX-DR-MT-010300 EXISTING LAYOUT
BUHO-ACM-XX-XX-DR-MT-050001 PILE No.4 REPAIR DETAIL

0 1250 2500 mm
1:50

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AECOM

PROJECT

BULLHOLE BERTH IMPROVEMENTS

CLIENT

CALEDONIAN MARITIME ASSETS LTD

CONSULTANT

AECOM
7th Floor, Aurora
120 Bothwell Street
Glasgow, G2 7JS
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www.aecom.com

NOTES

1. DO NOT SCALE FROM THIS DRAWING, WORK TO FIGURED DIMENSIONS ONLY. IF IN DOUBT ASK.
2. THIS DRG TO BE READ IN CONJUCTION WITH:
   a. THE SPECIFICATION
   b. SURVEY AND INTERPRETATIVE REPORTS
   c. HEALTH AND SAFETY HAZARD REGISTER
   d. RECORD DRAWINGS
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
4. ALL LEVELS ARE IN METRES TO CHART DATUM.
5. CHART DATUM AT HAMWORTHY IS 1.82m BELOW ORDNANCE DATUM (NEWLYN).
6. ANY DISCREPANCIES TO BE REFERRED TO THE SUPERVISOR BEFORE WORK COMMENCES.
7. CONTRACTOR TO CONFIRM ALL SURVEY INFORMATION ON SITE BEFORE STARTING ANY WORK.
8. CONTRACTOR MAY PROPOSE EQUIVALENT ALTERNATIVES FOR THE ACCEPTANCE OF THE SUPERVISOR.

ISSUE/REVISION

P02	25/10/22	Fender works removed
P01	17/08/22	For Client Comment
I/R	DATE	DESCRIPTION

ISSUE PURPOSE / SUITABILITY

SUITABLE FOR INFORMATION

KEY PLAN

PROJECT NUMBER

60637648

SHEET TITLE

GENERAL ARRANGEMENT PLAN AND SECTION

SHEET NUMBER

BUHO-ACM-XX-XX-DR-MT-010304

Last saved by: MCKENNAA(2022-10-25) Last Plotted: 2022-10-25
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