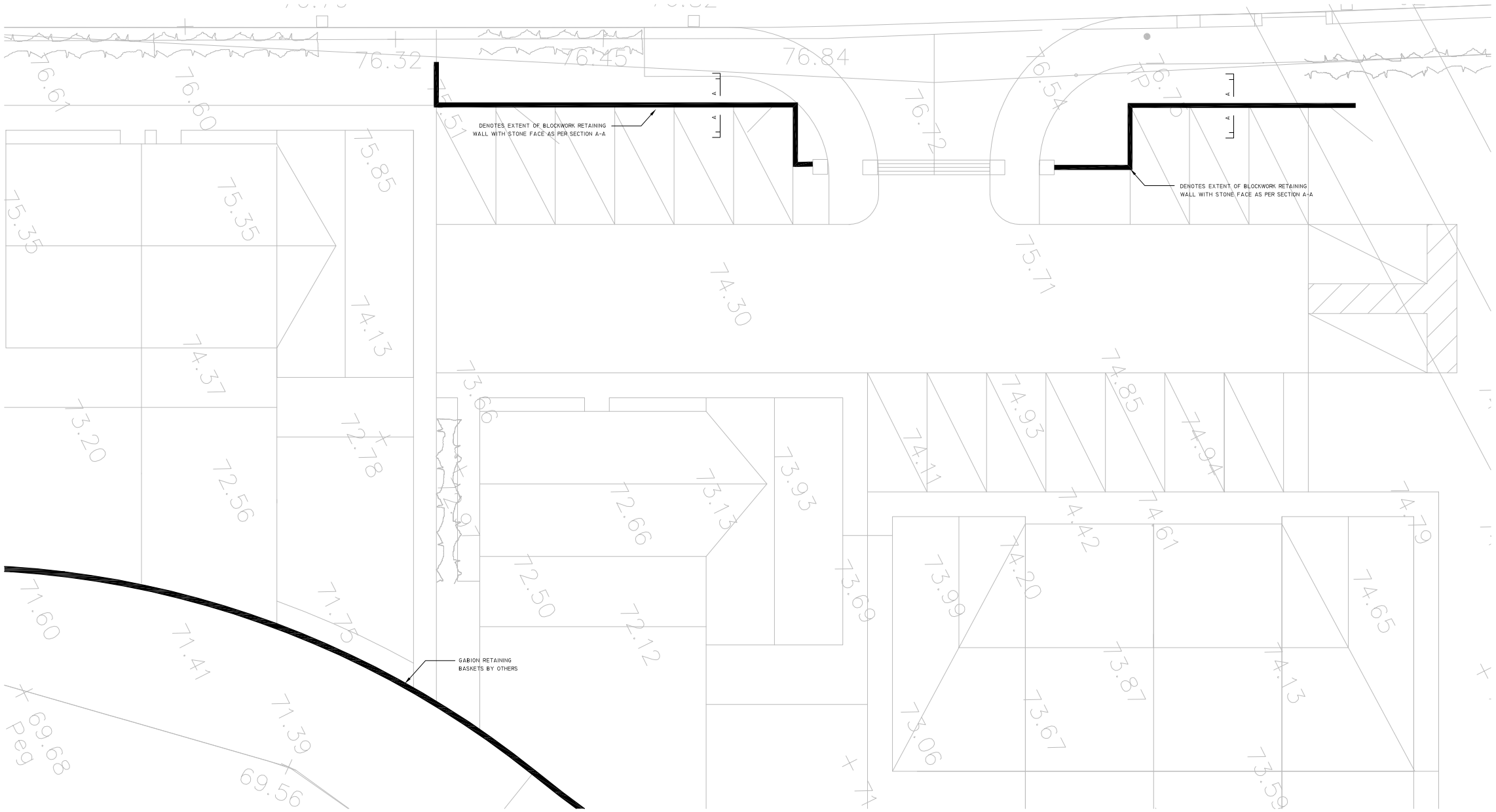


SITE LAYOUT SHOWING
RETAINING WALL LOCATIONS
1:20 @ A1
1:40 @ A3

NOTES:

1. THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF BELL MUNRO CONSULTING LTD. THE DRAWING MUST NOT BE REPRODUCED IN PART OR IN WHOLE WITHOUT PRIOR WRITTEN AUTHORITY.

2. THIS DRAWING MUST NOT BE SCALED BY EITHER CONTRACTORS OR OTHER CONSULTANTS ANY DIMENSIONAL OR SETTING - OUT DISCREPANCIES ARE TO BE REPORTED TO BELL MUNRO CONSULTING PRIOR TO CONSTRUCTION / FABRICATION COMMENCING.

3. THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE RELEVANT BMC SPECIFICATIONS TOGETHER WITH THE APPROPRIATE ARCHITECTS AND SERVICES CONSULTANTS DRAWINGS AND SPECIFICATIONS.

4. ALL STEEL TO BE GRADE S275 U.N.O. AND ALL FABRICATION TO BE IN ACCORDANCE WITH B.S. 5950.

5. ALL MORTAR ABOVE D.P.C. LEVEL TO BE CLASS (M4) MORTAR - 1 : 1 : 6 CEMENT : LIME : SAND U.N.O.

6. ALL MORTAR BELOW D. P. C. LEVEL TO BE CLASS (M12) MORTAR - 1 : 0.25 : 3 CEMENT : LIME : SAND U.N.O.

7. FACING BRICK TO BE SPECIFIED BY THE ARCHITECT BUT IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 15.0 N/MM².

8. STAINLESS STEEL WALL TIES ARE TO BE PROVIDED AT 750 HORIZONTAL AND 450 VERTICAL CENTRES IN A STAGGERED PATTERN. TIES TO BE PROVIDED AT 225 VERTICAL CENTRES ADJACENT OPENINGS.

9. FOR SETTING OUT OF ALL WALLS SEE THE ARCHITECT'S INFORMATION.

10. MINIMUM BEARING OF ALL STEELWORK TO BE 100MM.

11. MASS CONCRETE TO BE GRADE C20/C25 WITH A MINIMUM CEMENT CONTENT OF 275KG/M³ AND A MAXIMUM WATER / CEMENT RATIO OF 0.65

12. ALL STEELWORK TO BE PAINTED WITH ONE COAT OF HIGH BUILD ZINC PHOSPHATE PRIMER TO GIVE D.F.T OF 75 MICRONS.

13. TIMBER TO BE GRADE C16 & TREATED WITH A SYSTEM SUITABLE FOR THE EXTERNAL ENVIRONMENT

14. REINFORCED CONCRETE TO BE GRADE C30/ 37 WITH A MINIMUM CEMENT CONTENT OF 300KG/M³ AND MAX WATER/CEMENT RATIO OF 0.6

15. HOLDING DOWN BOLTS SHALL BE CAST INTO FOUNDATIONS USING TEMPLATE TO ACCURATELY LINE AND LEVEL. IMMEDIATELY AFTER CONCRETING IN ALL BOLTS SHALL BE CHECKED TO ENSURE FREE MOVEMENT.

16. PROPPING SYSTEM TO BE TO CONTRACTOR'S DESIGN & DETAILS & TO BE REVIEWED BY BMC PRIOR TO COMMENCING WORKS

17. STEELWORK IN CAVITIES TO BE COATED WITH 2 COATS BITUMINOUS PAINT

18. 'X KN' DENOTES CONNECTION TO BE DESIGNED FOR A FACTORED SHEAR OF 'X KN'

19. FIRE PROTECTION TO ALL NEW STRUCTURE TO BE TO ARCHITECT'S DETAILS

20. ALL TEMPORARY WORKS DRAWING, CALCULATIONS AND METHOD STATEMENTS TO BE SUBMITTED TO BELL MUNRO CONSULTING FOR REVIEW PRIOR TO WORKS COMMENCING

21. ALL VENTILATION AND SUB-FLOOR DETAILS ARE TO ARCHITECTS DETAILS. ALL DETAILS AND PROTECTION MEASURES TO BE AGREED WITH LOCAL AUTHORITY PRIOR TO COMMENCING CONSTRUCTION.

22. ALLOWANCE TO BE MADE FOR HAND DUG EXCAVATIONS IN VICINITY OF EXISTING DRAINAGE AND FOR ALL TEMPORARY SUPPORT AND PROTECTION OF EXISTING SERVICES AS NECESSARY

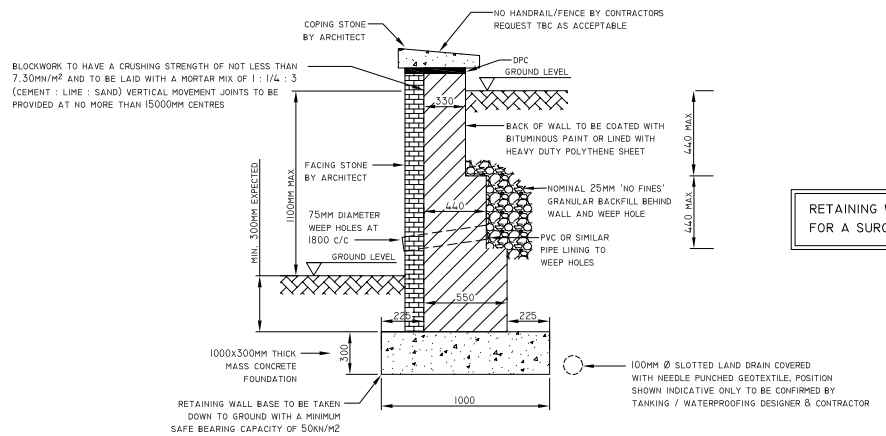
23. FOUNDATIONS TO BE TAKEN DOWN TO GROUND WITH MINIMUM SAFE BEARING CAPACITY OF 50KN/M2

24. TANKING AND DAMP PROOFING TO BE TO SPECIALIST DESIGN AND DETAILS

25. CONTRACTOR TO MAKE ALLOWANCE FOR SITE VISIT TO ENSURE ACCESS WITH PLANT IS NON PROBLEMATIC.

26. ALL CONNECTIONS DESIGNED TO BE THE RESPONSIBILITY OF THE CONTRACTOR AND TO BE ALLOWED FOR WHEN PRICING THE WORKS. ALL CONNECTIONS TO BE DESIGNED BASED ON THE LOADS SHOWN ON THIS DRAWING.

27. EXECUTION CLASS RATING FOR THIS BUILDING IS GRADE EXC2



RETAINING WALL DESIGNED FOR A SURCHARGE OF 10KN/M2

SECTION A-A
BLOCKWORK RETAINING WALL
1:20 @ A1
1:40 @ A3

REV	COMMENTS	DATE	BY
B	UPDATED FOLLOWING COMMENTS	08.08.16	JH
A	UPDATED FOLLOWING COMMENTS	03.08.16	JH

BMC

BELL MUNRO CONSULTING LTD

CONSULTING CIVIL & STRUCTURAL ENGINEERS
TURING HOUSE
5 ARCHWAY
MANCHESTER
M15 5RJ
TEL: 0161 2098032
FAX: 0161 2098033
EMAIL: CONSULTING@BELLMUNRO.CO.UK
WWW.BELLMUNRO.CO.UK

CLIENT:
BECK DEVELOPMENTS

PROJECT:
MEARLEY CROFT, CLITHEROE

TITLE:
RETAINING WALL LAYOUT

DRAWN BY:	CHECKED BY:	SCALE:	DATE:
JH	CM	1:100	08/16

DRAWING NUMBER: J4155 01
REVISION: B