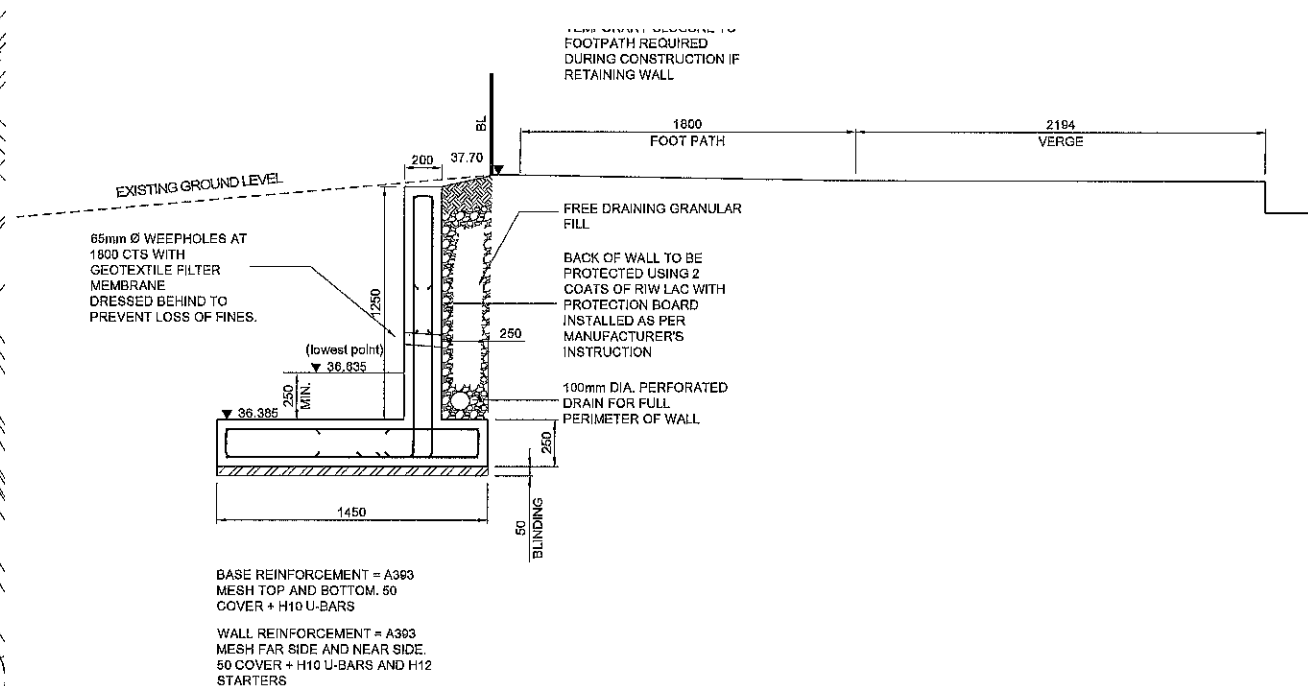
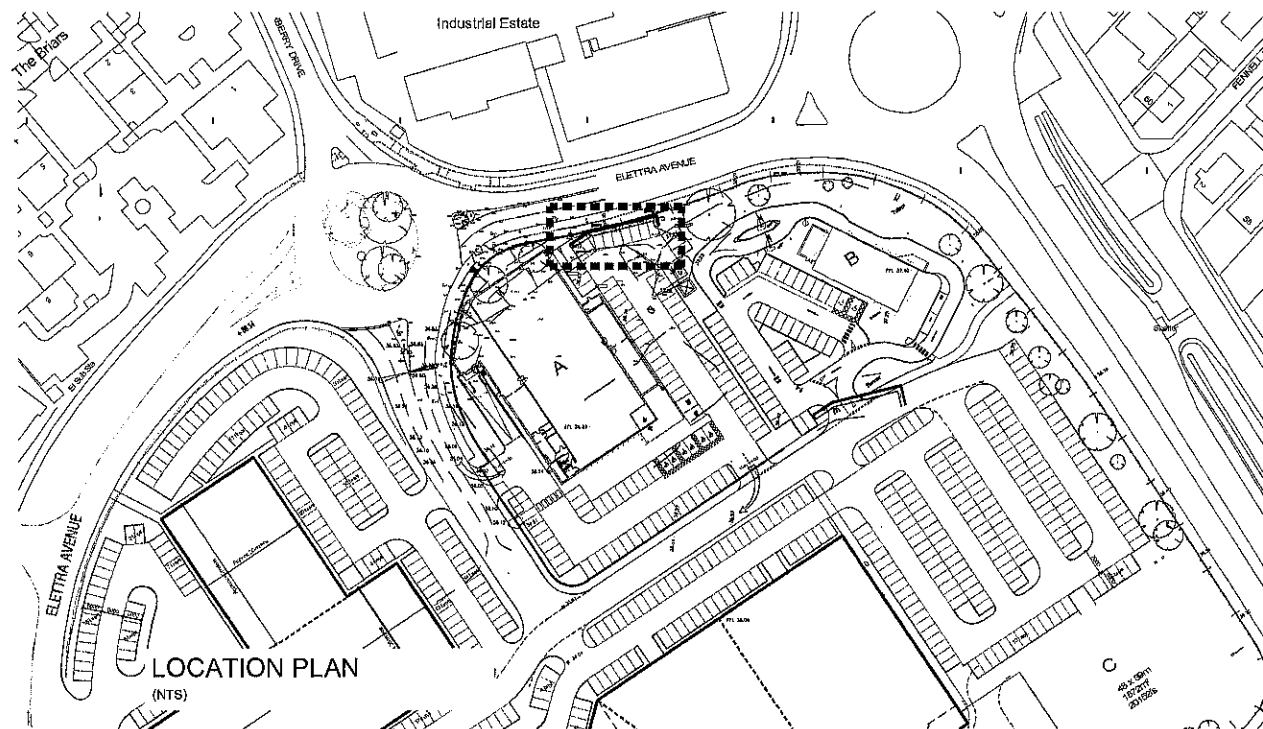
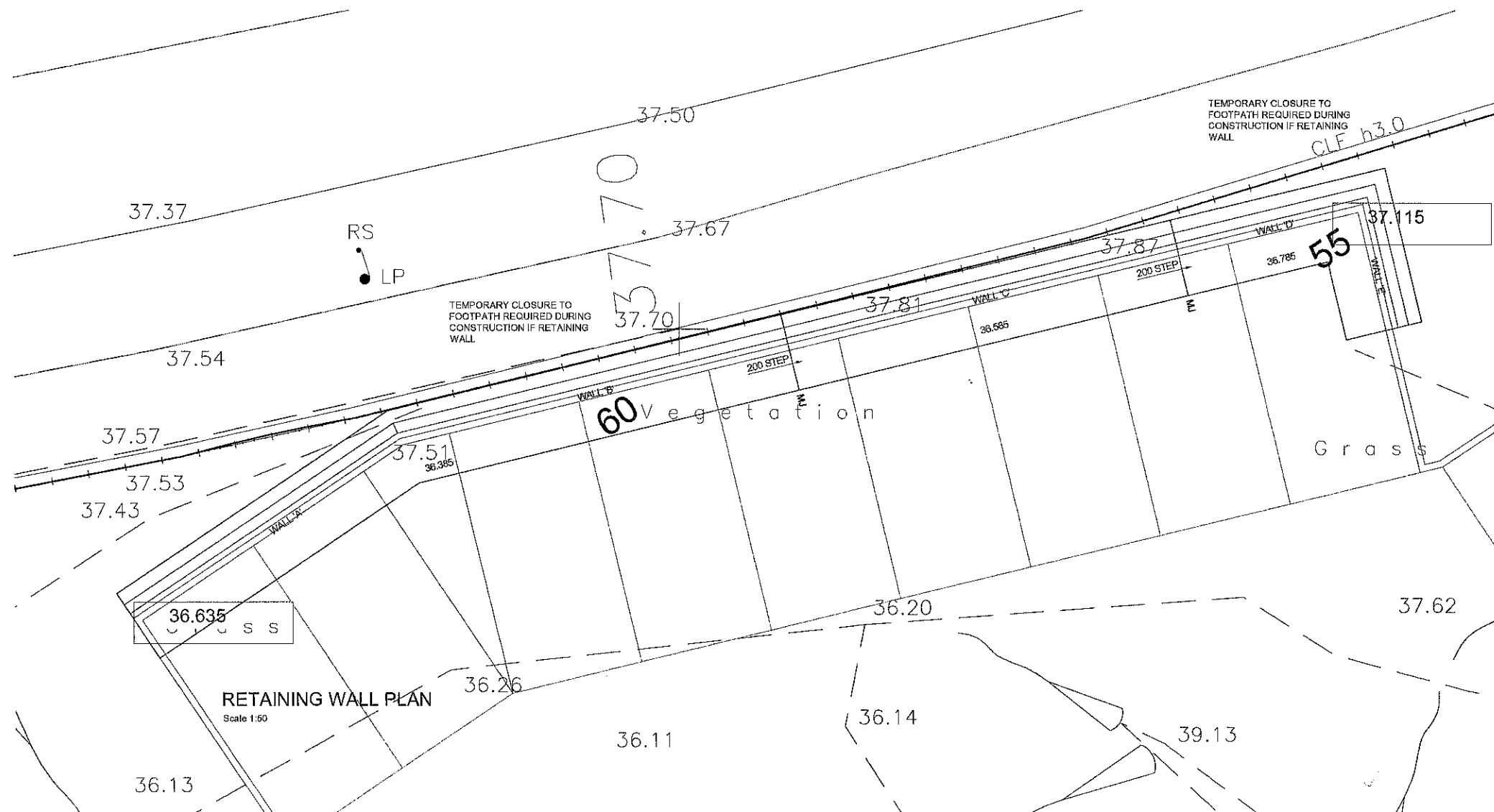




SECTION '01 - 01'
Scale 1:20



Notes

GENERAL

1. This drawing is to be read in conjunction with all relevant Architects, Engineers and Specialists drawings and the Specification.
2. In case of a discrepancy between drawings or a lack of dimensions W.F. Brown Associates Limited must be consulted before work proceeds.
3. All dimensions are in millimetres. All levels are in metres, unless noted otherwise.

DO NOT SCALE THIS DRAWING - IF IN DOUBT ASK.

RETAINING WALL

4. All structural concrete is to be in accordance with BS8110 and shall be a designated mix as specified in BS EN208-1:2000

Location	ALL
Concrete grade	RC32/40
Minimum cement content	300kg/m ³
Maximum water content ratio	0.55
Special requirements	NONE

5. Reinforcement abbreviations

20H12-80-300;1F
Number off, Type, Diameter, Bar mark, Centres Location.

Steel type code H = High yield deformed bars
Grade B500B to BS 4449

The size of all reinforcement and centres are in millimetres.

Bar locations

EW = Each way	NF = Near face
EF = Each face	OF = Outside face
IF = Inside face	B = Bottom
FF = Far face	T = Top
ABR = Alternate bars reversed.	

6. Reinforcement detailed on this drawing is listed on Bar Bending Schedule no. 302/01 & 303/01-02.

7. Concrete cover to reinforcement where cast against shuttering or on 50mm minimum blinding to be 50mm. Where cast against the formation or sides of the excavation minimum cover to be increased to 75mm.

8. All temporary formwork shuttering is to be maintained in place until the concrete is sufficiently cured and able to support its own self weight. Refer to the specification for details.

9. Remove all loose mill scale etc. from reinforcement steel prior to placing of concrete, provide all necessary spacers etc. to reinforcement.

10. Main contractor to be responsible for all spacers and chairs necessary to support the reinforcement to ensure that the correct cover is maintained. spacer/spacer strips should be installed in accordance with BS 7973-1:2001 'spacers and chairs for steel reinforcement'.

P1	**	Preliminary Issue	MTM
No.	Date	Revision / Issue	And

PRELIMINARY

Project Name:
WATERLOO PARK
WATERLOOVILLE

Architect

Client

HARGREAVES, PROPERTIES LTD.

WFBA
Consulting Civil & Structural Engineers

The Old Hayloft, Pudding Lane, Dorset Lane,
Bridford, Romsey, Hampshire, SO51 0DU.
Tel: 01794 368241. Fax: 01794 368241.
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Drawing Title

RETAINING WALL
PLAN AND DETAILS

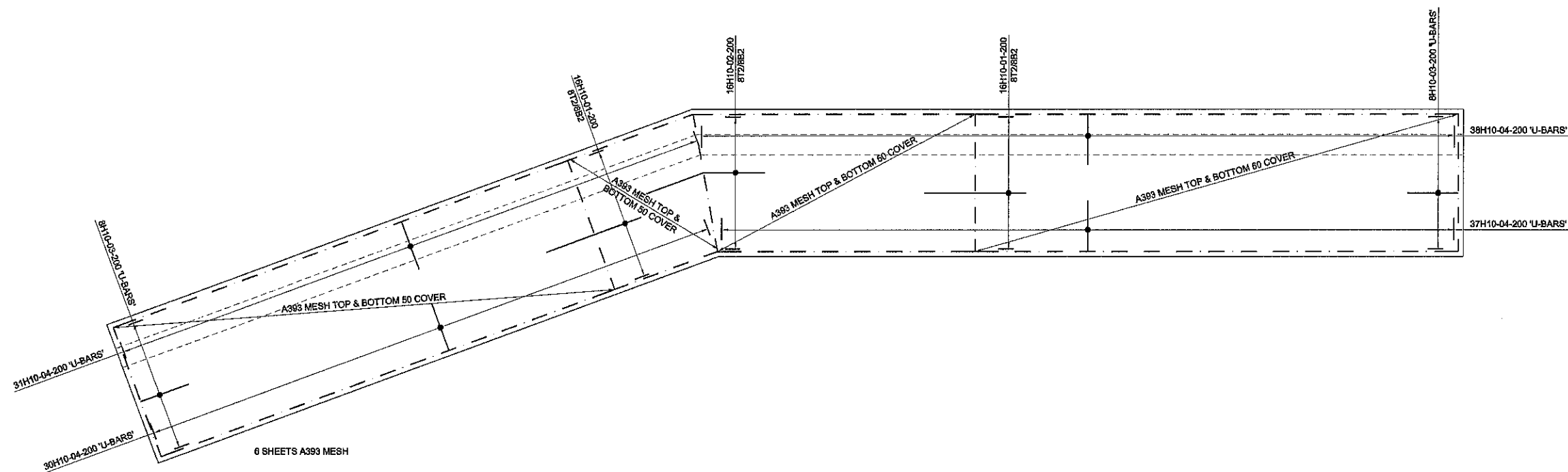
Created By MTM	Checked By SH	Approved By WFB
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Scale
1:20 & 1:50 @ A1

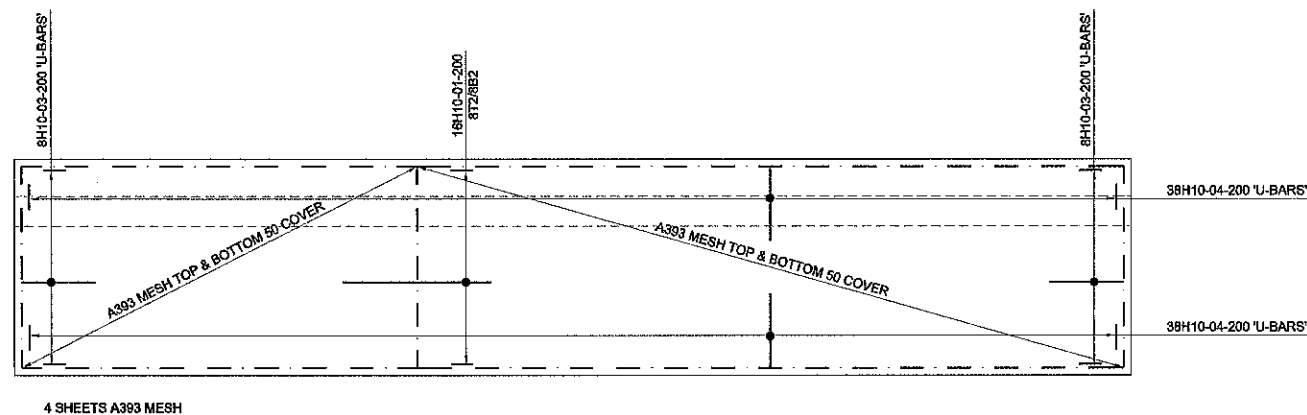
Date
MAY '16

Design Number
16015/300

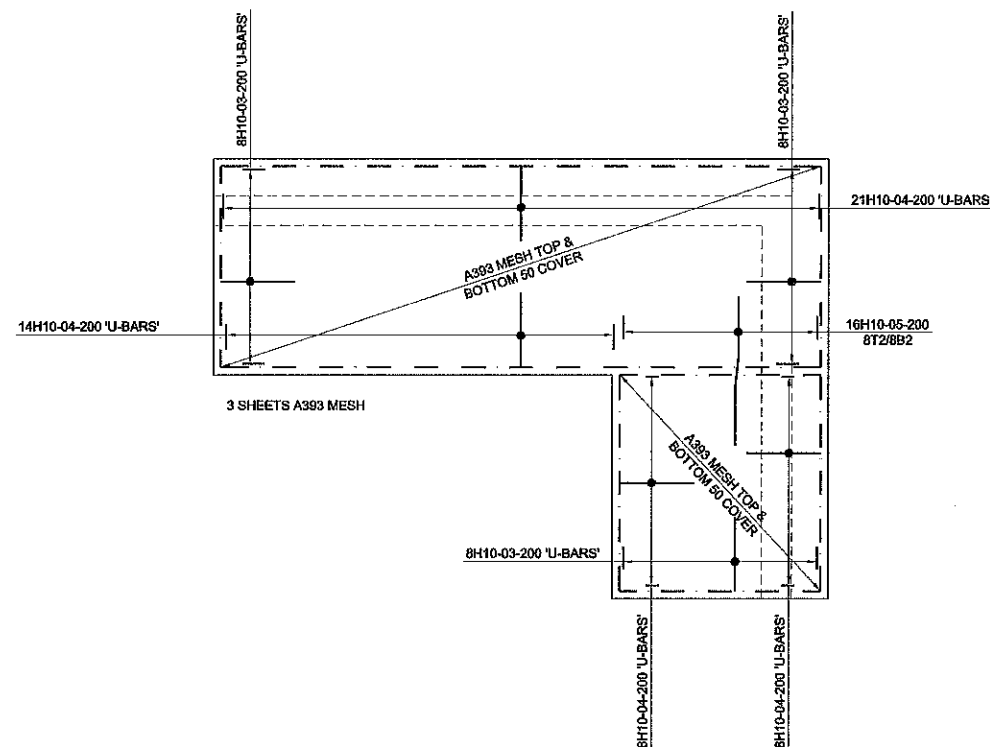
Rev
P1



RETAINING WALLS A/B BASE (36.385)
Scale 1:25



RETAINING WALL C BASE (36.585)
Scale 1:25



RETAINING WALLS D/E BASE (36.785)
Scale 1:25

Notes

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RETAINING WALL

4. All structural concrete is to be in accordance with BS8110 and shall be a designated mix as specified in BS EN208-1:2000

Location	ALL
Concrete grade	RC32/40
Minimum cement content	300kg/m ³
Maximum water content ratio	0.55
Special requirements	NONE

Reinforcement abbreviations

20H12-60-300,IF	
Number of, Type, Diameter, Bar mark, Centres Location.	

Steel type code H = High yield deformed bars
Grade B500B to BS 4449

The size of all reinforcement and centres are in millimetres.

Bar locations

EW = Each way	NF = Near face
EF = Each face	OF = Outside face
IF = Inside face	B = Bottom
FF = Far face	T = Top
ABR = Alternate bars reversed.	

6. Reinforcement detailed on this drawing is listed on Bar Bending Schedule no. 302/01.
7. Concrete cover to reinforcement where cast against shuttering or on 50mm minimum blinding to be 60mm. Where cast against the formation or sides of the excavation minimum cover to be increased to 75mm.
8. All temporary formwork shuttering is to be maintained in place until the concrete is sufficiently cured and able to support its own self weight. Refer to the specification for details.
9. Remove all loose mill scale etc. from reinforcement steel prior to placing of concrete, provide all necessary spacers etc. to reinforcement.
10. Main contractor to be responsible for all spacers and chairs necessary to support the reinforcement to ensure that the correct cover is maintained. spacers/spacer strips should be installed in accordance with BS 7973-1:2001 'spacers and chairs for steel reinforcement'.

P1	**	Preliminary Issue	MTM
No.	Date	Revision/Issued	And

PRELIMINARY

Project Name
**WATERLOO PARK
WATERLOOVILLE**

Architect

Client

HARGREAVES, PROPERTIES LTD.

WFBA
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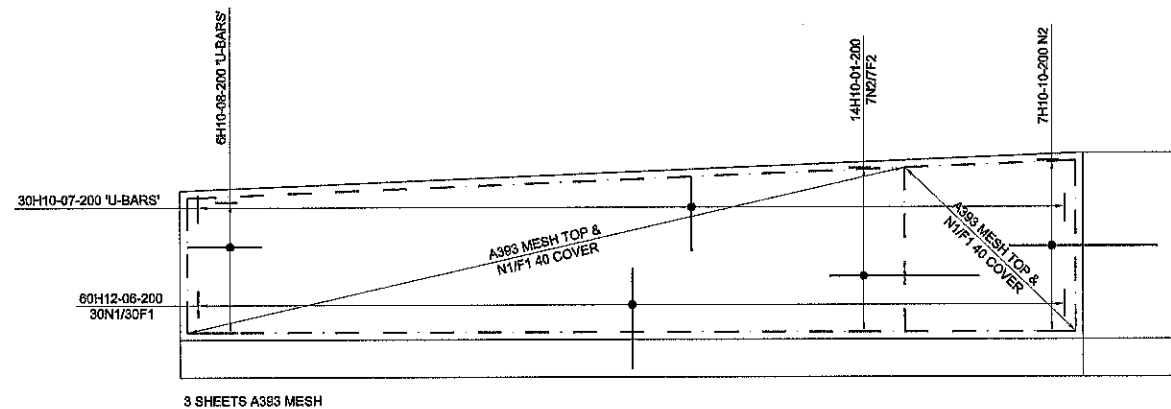
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Drawing Title
**RETAINING WALL
BASE REINFORCEMENT**

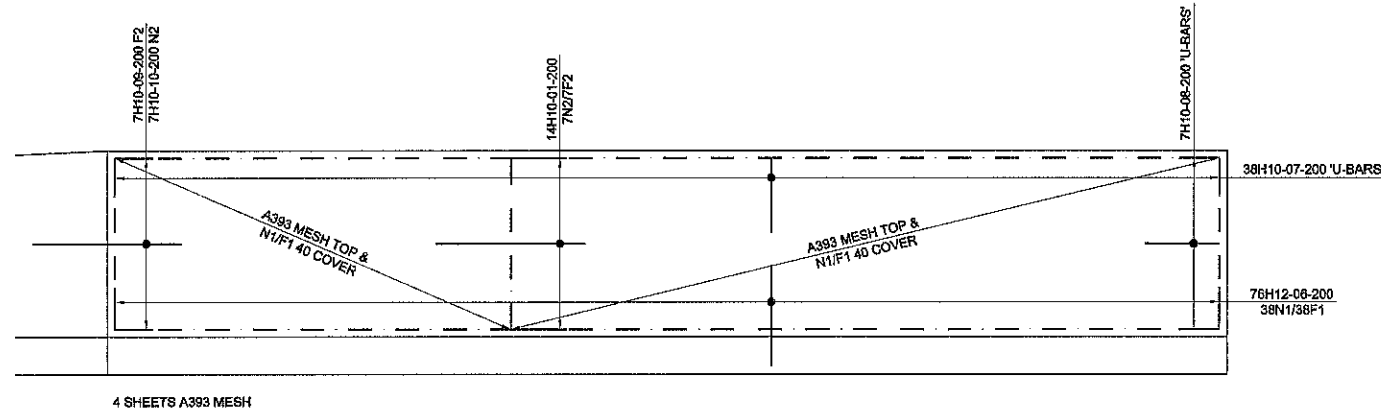
Created By MTM	Checked By SH	Approved By WFB
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Scale 1:25 @ A1	Date MAY '16	Rev
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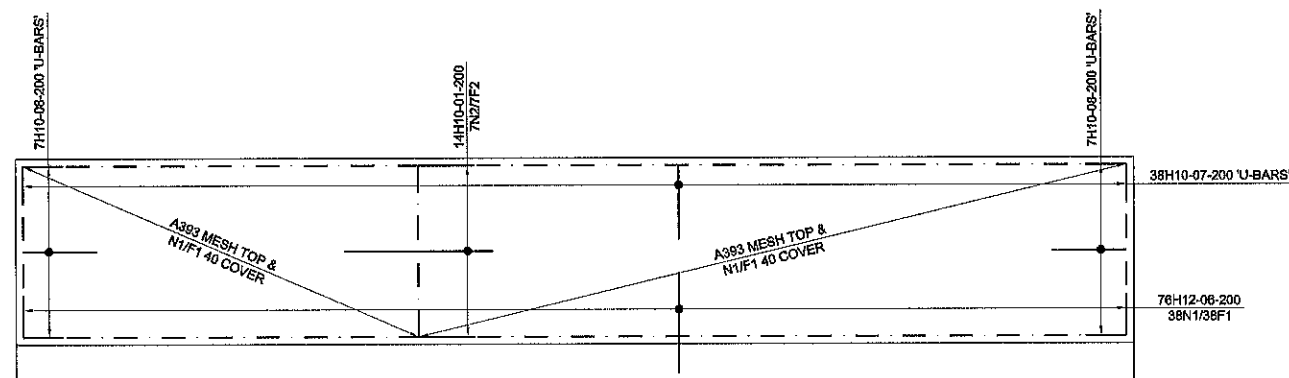
Dwg Number 16015/302	Rev P1
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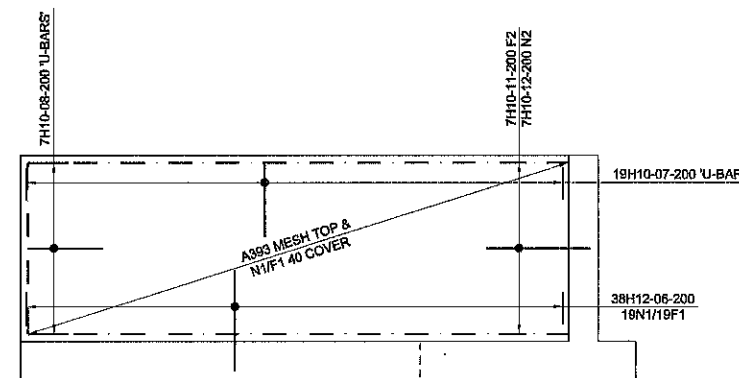
RETAINING WALL A
Scale 1:25



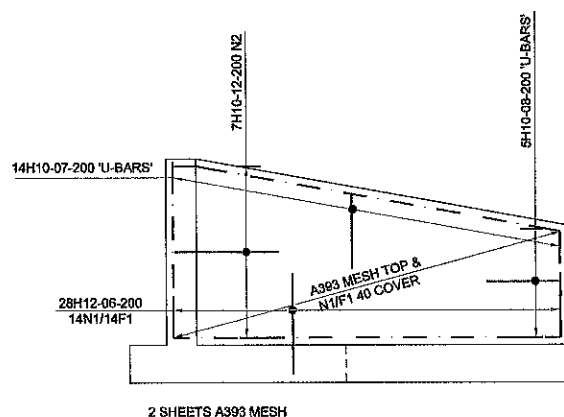
RETAINING WALL B
Scale 1:25



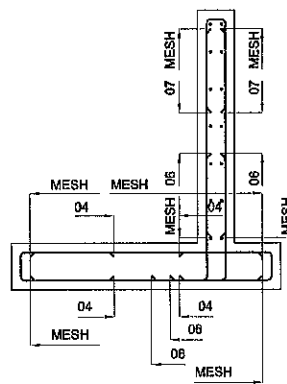
RETAINING WALL C
Scale 1:25



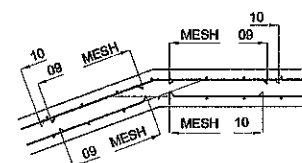
RETAINING WALL D
Scale 1:25



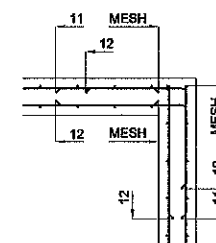
RETAINING WALL E
Scale 1:25



TYPICAL SECTION
Scale 1:20



CORNER DETAIL BETWEEN WALLS A & B
Scale 1:20



CORNER DETAIL BETWEEN WALLS D & E
Scale 1:20

Notes

GENERAL

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RETAINING WALL

4. All structural concrete is to be in accordance with BS9110 and shall be a designated mix as specified in BS EN206-1:2000

Location	ALL
Concrete grade	RC32/40
Minimum cement content	300kg/m ³
Maximum water content ratio	0.55
Special requirements	NONE

Reinforcement abbreviations

Number off	Type	Diameter	Bar mark	Centres	Location
		20H12-60-300,IF			

Steel type code H = High yield deformed bars
Grade B500B to BS 4449

The size of all reinforcement and centres are in millimetres.

Bar locations

EW = Each way	NF = Near face
EF = Each face	OF = Outside face
IF = Inside face	B = Bottom
FF = Far face	T = Top
ABR = Alternate bars reversed.	

6. Reinforcement detailed on this drawing is listed on Bar Bending Schedule no. 303/01-02.

7. Concrete cover to reinforcement where cast against shuttering or on 50mm minimum blinding to be 50mm. Where cast against the formation or sides of the excavation minimum cover to be increased to 75mm.

8. All temporary formwork shuttering is to be maintained in place until the concrete is sufficiently cured and able to support its own self weight. Refer to the specification for details.

9. Remove all loose mill scale etc. from reinforcement steel prior to placing of concrete, provide all necessary spacers etc. to reinforcement.

10. Main contractor to be responsible for all spacers and chairs necessary to support the reinforcement to ensure that the correct cover is maintained. spacers/spacer strips should be installed in accordance with BS 7973-1:2001 'spacers and chairs for steel reinforcement'.

P1	**	Preliminary Issue	MTM
16	Date	Revision/Issue	Sign

PRELIMINARY

Project Name
**WATERLOO PARK
WATERLOOVILLE**

Architect

Client

HARGREAVES, PROPERTIES LTD.

WFBA
Consulting Civil & Structural Engineers



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Drawing Title

**RETAINING WALL
WALL REINFORCEMENT**

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Scale 1:25 @ A1	Date MAY '16
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Draw Number 16015/303	Rev P1
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