

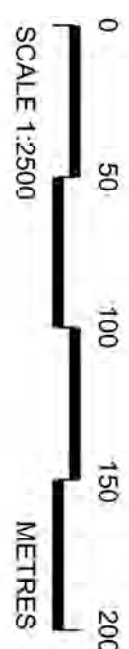
LAYOUT PLAN
SCALE on A0 1:2500,
A3 1:20000

ESTIMATED CUT/FILL SUMMARY		
Cut	53228	cu. m
Fill	67291	cu. m
Net	14063	cu. m

Key Plan:

- Bedford Borough Council
- Marston Vale Trust
- Anglian Water
- O&H
- Reserved For A428 Dualling
- Current Floodplain
- Ridge & Furrow Areas
- Rights Of Way
- Drains
- Proposed Lock (Water Level Change)

- Notes:
- DO NOT SCALE FROM THIS DRAWING.
 - ALL LEVELS GIVEN IN METRES ABOVE ORDNANCE DATUM (AOD).
 - ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
 - IN ADDITION TO THE PROPOSED DRAINAGE CULVERTS PLAN AND LONGITUDINAL SECTION, THE DESIGN EVALUATES TWO 2.0 FOOT BRIDGES WOULD BE REQUIRED FOR PEDESTRIAN/CYCLEWAY/BRIDLEWAY CROSSING AND TWO 1.0 FOOT BRIDGES WOULD BE REQUIRED FOR VEHICULAR ROAD CROSSING.
 - A MINIMUM OF TWO VEHICULAR ROAD CROSSING BRIDGE (ETD) TO ACCOMMODATE TRAFFIC FOR O&H AND POTENTIALLY OTHERS USES WITHIN THE AREA. DECIDED DURING FURTHER DESIGN DEVELOPMENT.
 - MINIMAL IMPROVEMENT REQUIREMENT FOR A CULVERT DESIGN STAGE AND AGREED WITH JOB.



No.	Rev.	By	Date	Description
1	01	TS	28/10/2014	ISSUED FOR INFORMATION
2	02	TS	28/10/2014	FOR CLIENT REVIEW



Head Office: Bedford, Bedfordshire, MK43 0SD
Tel: 01455 523300
Fax: 01455 523301
Email: enquiries@bedford.gov.uk
Website: www.bedford.gov.uk

HALCROW
A CH2M HILL COMPANY

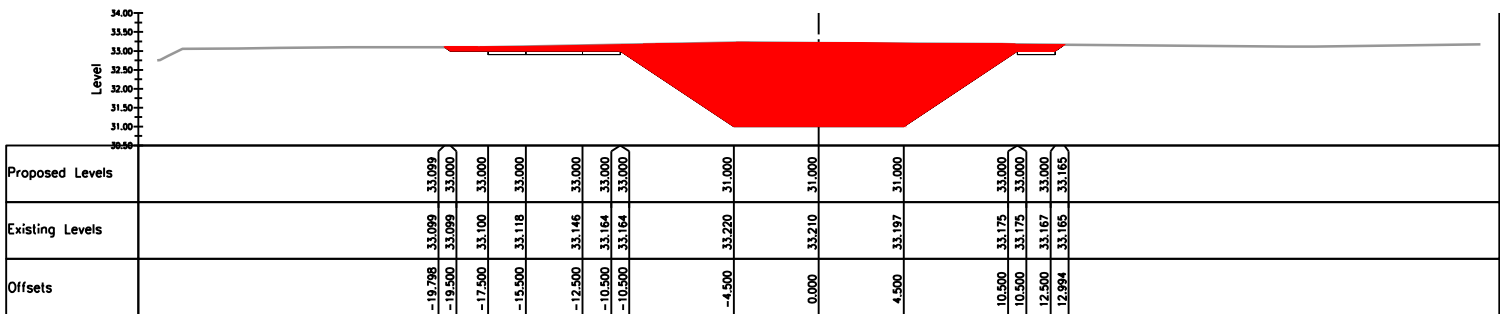
PROJECT: BEDFORD MILTON
KEYNES WATERWAY,
BELL PARK

OPTION 1 - WATERWAY
LAYOUT PLAN

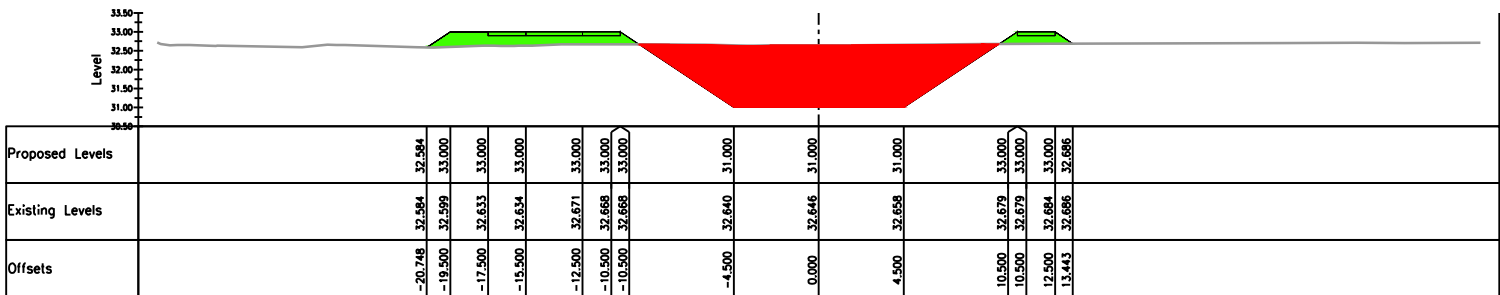
Drawn by: S. SOWEN	Draw: 28/10/2014
Checked by: T. LIPSON	Draw: 28/10/2014
Approved by: J. WAINMAN	Draw: 28/10/2014
Drawing No: 47607S-HG-01-00-DR-C-100	Revision: 2



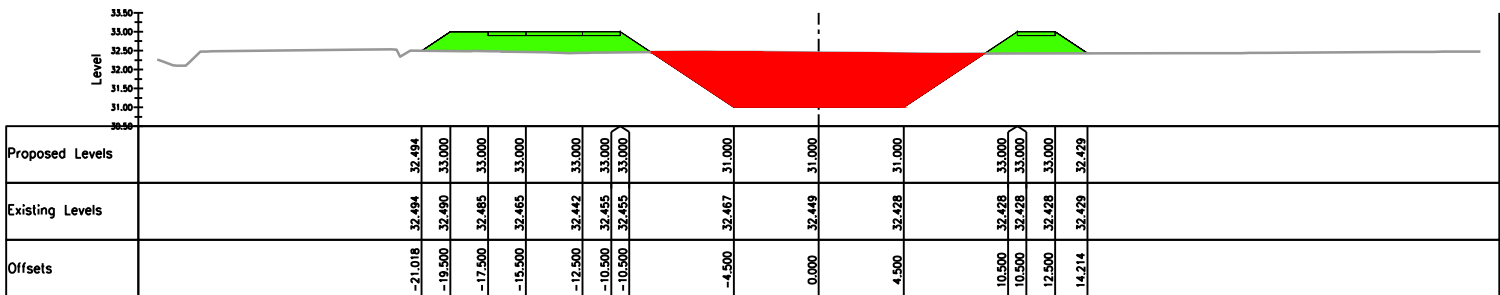
Alignemnt – river option 1
Ch. 200.000, Horiz. 1:200, Vert. 1:100



Alignemnt – river option 1
Ch. 250.000, Horiz. 1:200, Vert. 1:100



Alignemnt – river option 1
Ch. 300.000, Horiz. 1:200, Vert. 1:100



Alignemnt – river option 1
Ch. 350.000, Horiz. 1:200, Vert. 1:100

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Key Plan:

Proposed Cut

Proposed Fill

- Notes:
- THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
 - ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND ANY DISCREPANCIES IDENTIFIED PRIOR TO COMMENCEMENT OF WORK.
 - ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
 - ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

Client

BEDFORD
BOROUGH COUNCIL

Halcrow Group Limited
Endeavour House, Forder Way, Cygnet Park, Hampton, Peterborough, Cambs, PE7 8GJ
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www.halcrow.com

A CH2M HILL COMPANY

Project

**BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

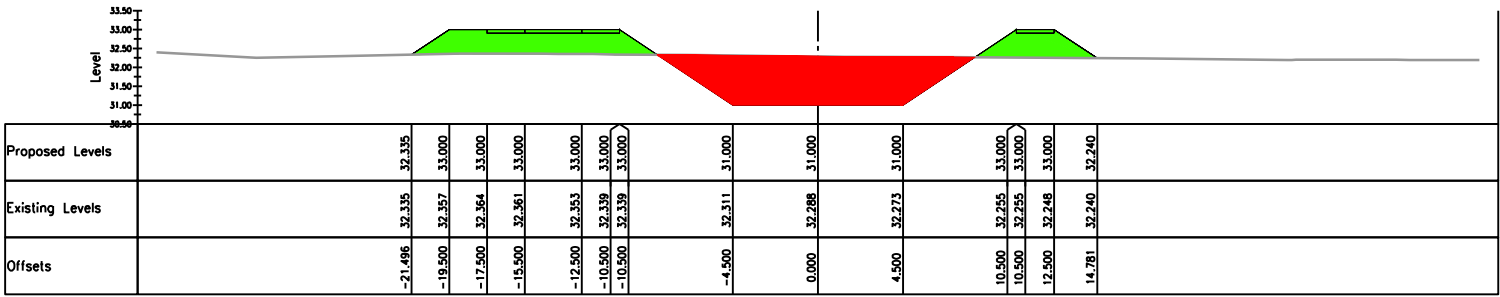
**OPTION 1 - DETAILED
CROSS-SECTIONS**

Drawn by: S. SZWIEC	Date: 23JAN2014
Checked by: T. UPSON	Date: 23JAN2014
Approved by: J. NAWAZ	Date: 23JAN2014

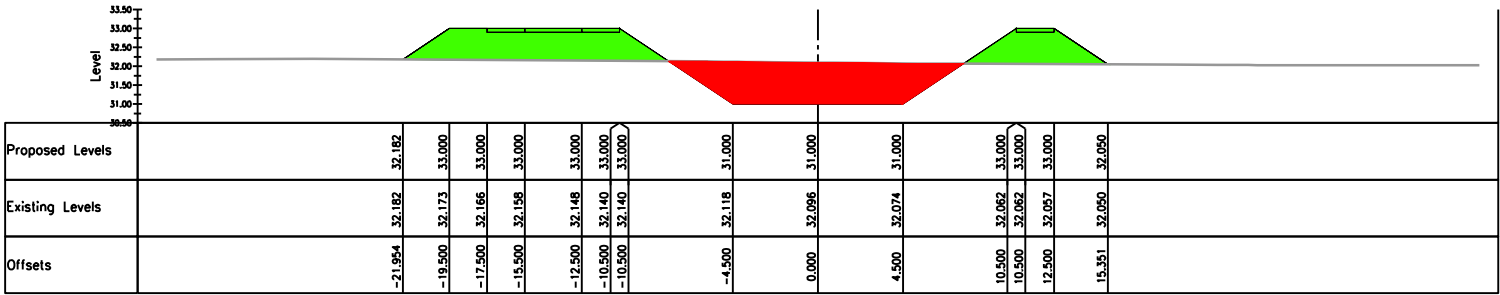
Drawing No.	Revision
476075-HG-01-00-DR-C-111	1

Drawing Scale: at A2@H 1:200, V 1:100

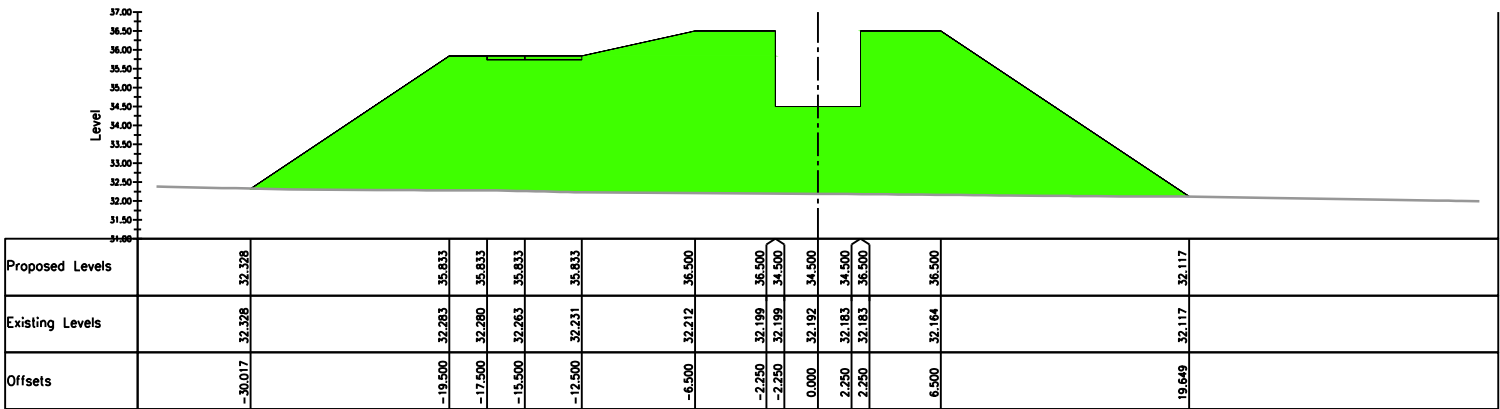
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User and Plot Date : szwiec: 2014/01/23 11:11:11



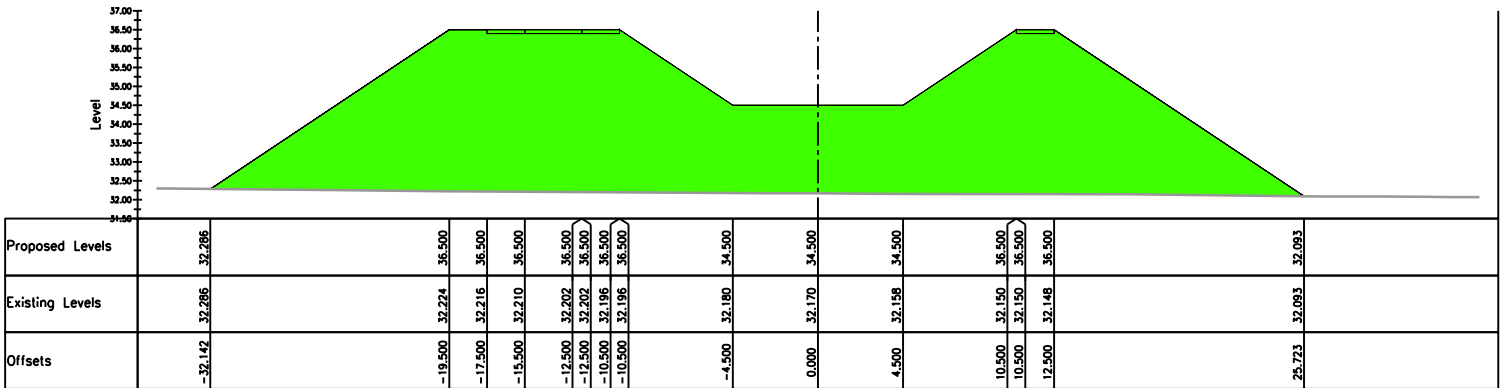
Alignemnt – river option 1
Ch. 400.000, Horiz. 1:200, Vert. 1:100



Alignemnt – river option 1
Ch. 450.000, Horiz. 1:200, Vert. 1:100



Alignemnt – river option 1
Ch. 500.000, Horiz. 1:200, Vert. 1:100



Alignemnt – river option 1
Ch. 550.000, Horiz. 1:200, Vert. 1:100

Key Plan:

- Proposed Cut
- Proposed Fill

Notes:

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- ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description



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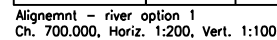
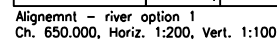
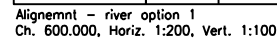
A CH2M HILL COMPANY
Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing
**OPTION 1 - DETAILED
CROSS-SECTIONS**



Drawn by: S. SZWIEC Date: 23JAN2014
Checked by: T. UPSON Date: 23JAN2014
Approved by: J. NAWAZ Date: 23JAN2014

Drawing No. **476075-HG-01-00-DR-C-112** Revision **1**

Drawing Scale: at A2@H 1:200, V 1:100



Key Plan:

-  Proposed Cut
-  Proposed Fill

Notes:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
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3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
4. ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

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A CH2M HILL COMPANY

Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 1 - DETAILED CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23JAN2014

Checked by: T. UPSON Date: 23JAN2014

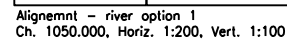
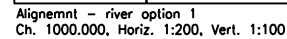
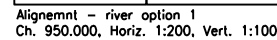
Approved by: J. NAWAZ Date: 23JAN2014


Drawing No.	Revision
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476075-HG-01-00-DR-C-113	1
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Drawing Scale: at A2@H 1:200, V 1:100

Drawing Scale: at A2@H 1:200, V 1:100



 Proposed Cut

 Proposed Fill

Notes:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
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3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
4. ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

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A CH2M HILL COMPANY

Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 1 - DETAILED CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23JAN2014

Checked by: T. UPSON Date: 23JAN2014

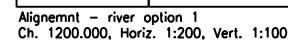
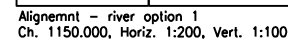
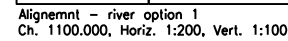
Approved by: J. NAWAZ Date: 23JAN2014


Drawing No.	Revision
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476075-HG-01-00-DR-C-115	1
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Drawing Scale: at A2@H 1:200, V 1:100

Drawing Scale: at A2@H 1:200, V 1:100



 Proposed Cut

 Proposed Fill

Notes:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
2. ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND ANY DISCREPANCIES IDENTIFIED PRIOR TO COMMENCEMENT OF WORK.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
4. ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

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Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 1 - DETAILED CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23 JAN 2014

Checked by: T. UPSON Date: 23JAN2014

Approved by: J. NAWAZ Date: 23JAN2014

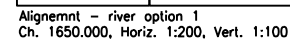
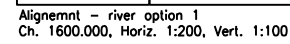
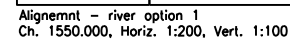
Drawing No.	Revision
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Drawing No.	Revision
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476075-HG-01-00-DB-C-116	1
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470075-11G-01-00-DR-C-110	1
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Drawing Scale: at A2@H 1:200, V 1:100



 Proposed Cut

 Proposed Fill

Notes:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
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3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
4. ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

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Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 1 - DETAILED CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23JAN2014

Checked by: T. UPSON Date: 23JAN2014

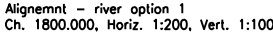
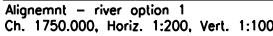
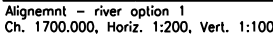
Approved by: J. NAWAZ Date: 23JAN2014


Drawing No.	Revision
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
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Drawing Scale: at A2@H 1:200, V 1:100

Drawing Scale: at A2@H 1:200, V 1:100



 Proposed Cut

 Proposed Fill

Notes:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
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3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
4. ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Appr'd	Date	Description

Client



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A CH2M HILL COMPANY



Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 1 - DETAILED CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23JAN2014

Checked by: T. UPSON Date: 23JAN2014

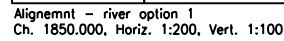
Approved by: J. NAWAZ Date: 23JAN2014

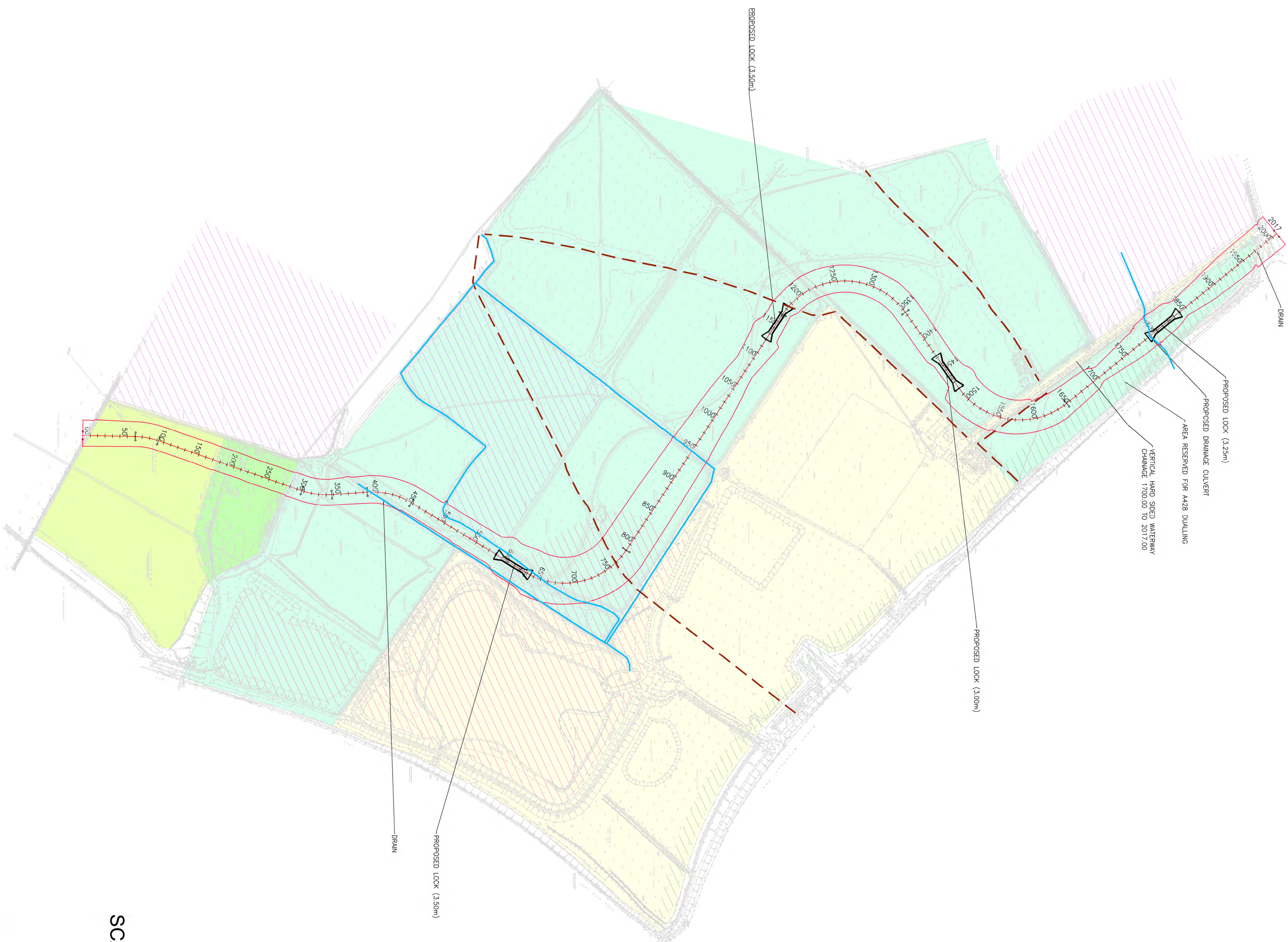
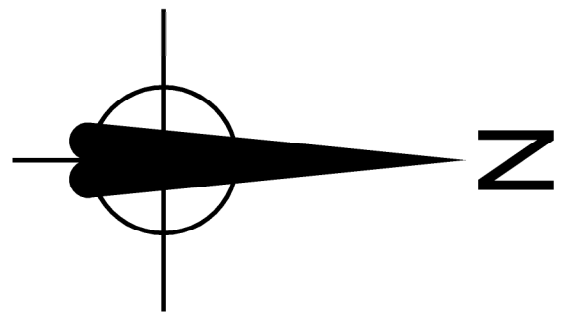
Drawing No.	Revision
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476075-HG-01-00-DB-C-120	1	e path
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Drawing Scale: at A2@H 1:200, V 1:100









Drawing Scale: at A2@H 1:200, V 1:100





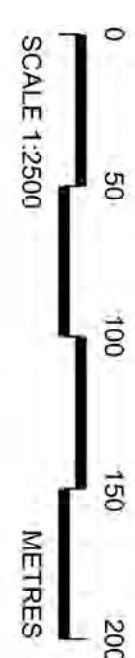
ESTIMATED CUT/FILL SUMMARY	
Cut	83087 cu. m
Fill	91721 cu. m
Net	8634 cu. m

LAYOUT PLAN
SCALE on A0 1:2500,
A3 1:20000

- Key Plan:**
- | | |
|---|------------------------------------|
|  | Bedford Borough Council |
|  | Marston Vale Trust |
|  | Anglian Water |
|  | O&H |
|  | Reserved For A428 Dualling |
|  | Current Floodplain |
|  | Ridge & Furrow Areas |
|  | Rights Of Way |
|  | Drains |
|  | Proposed Lock (Water Level Change) |
- Notes:**

Notes:

1. DO NOT SCALE FROM THE PAVING.
2. ALL LEVELS GIVEN IN METERS ABOVE ORIGINANCE
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
4. NOTED TO THE PROPOSED GRASSY CREEK BEDDING.
5. ALL STRUCTURES SHOWN ON THE ALTERNATE PLAN AND LONGITUDINAL SECTION. THE DESIGN REQUIREMENT FOR THE PROPOSED CREEK BEDDING WOULD BE 2.0 M AND 2.0 FOOT RIGIDITY WOULD BE REQUIRED FOR THE PROPOSED CREEK BEDDING. THE LOCATION AND MAKE UP OF THESE WILL BE DECIDED DURING THE DESIGN DEVELOPMENT.
6. A MINIMUM OF 1.0 M VERTICAL ROAD CROSSING AND POTENTIAL OTHER USES WITHIN THE EMBANKMENT ARE NOTED TO THE PROPOSED CREEK BEDDING. THE LOCATION AND MAKE UP OF THESE WILL BE DECIDED DURING THE DESIGN DEVELOPMENT.
7. DRAINAGE DITCH AT CHANGHAI ROAD NOTED TO BE OF THE TYPE NOTED TO THE PROPOSED CREEK BEDDING. THE LOCATION AND MAKE UP OF THESE WILL BE DECIDED DURING THE DESIGN DEVELOPMENT.
8. DESIGN STAGE AND AGREED WITH JOB.



2	SS	TU	JN	22/01/14	AMENDMENTS FOLLOWING CLIENT REVIEW
1	SS	TU	JN	12/12/13	DRAFT - FOR INFORMATION
Rev	By	Chkd	Approved	Date	Description



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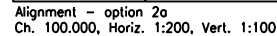
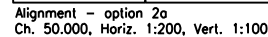
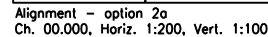
Malcrow


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Project: **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

OPTION 2A - WATERWAY
LAYOUT PLAN

Drawn by: S. SCHNEC	Date: 23JAN2014
Checked by: T. UPSON	Date: 23JAN2014
Approved by: J. NAWAZ	Date: 23JAN2014
Drawing No.	Revision
476075-HG-01-00-DR-C-200	2



 Proposed Cut

 Proposed Fill

Notes:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
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4. ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

Client



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Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 2A - DETAILED CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23 JAN 2014

Checked by: T. UPSON Date: 23JAN2014

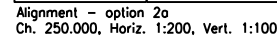
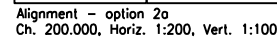
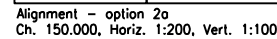
Approved by: J. NAWAZ Date: 23JAN2014

Drawing No.	Revision
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
436075 IJC 01 00 DR C 210 1

Drawing Scale: at A2@H 1:200, V 1:100

1



Key Plan:

-  Proposed Cut
-  Proposed Fill

Notes:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
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3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
4. ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

1	SS	TU	JN	23/01/14	FIRST ISSUE
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Client



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A CH2M HILL COMPANY

Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 2A - DETAILED CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23JAN2014

Checked by: T. UPSON Date: 23JAN2014

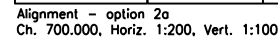
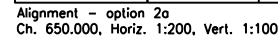
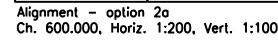
Approved by: J. NAWAZ Date: 23JAN2014


Drawing No.	Revision
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
476075-HG-01-00-DB-C-211	1	e path
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470075-11G-01-00-DR-G-Z11

Drawing Scale: at A2@H 1:200, V 1:100



 Proposed Cut

 Proposed Fill

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Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 2A - DETAILED
CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23JAN2014

Checked by: T. UPSON Date: 23JAN2014

Approved by: J. NAWAZ Date: 23JAN2014

Drawing No.	Revision
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476075-HG-01-00-DR-C-214	1	file path
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Drawing Scale: at A2@H 1:200, V 1:100

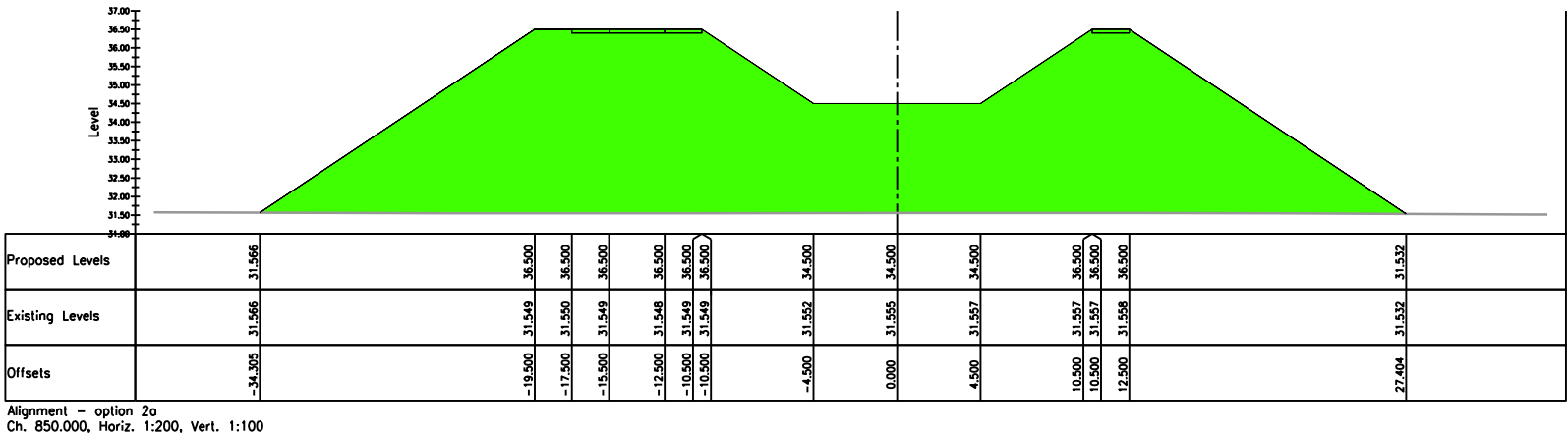
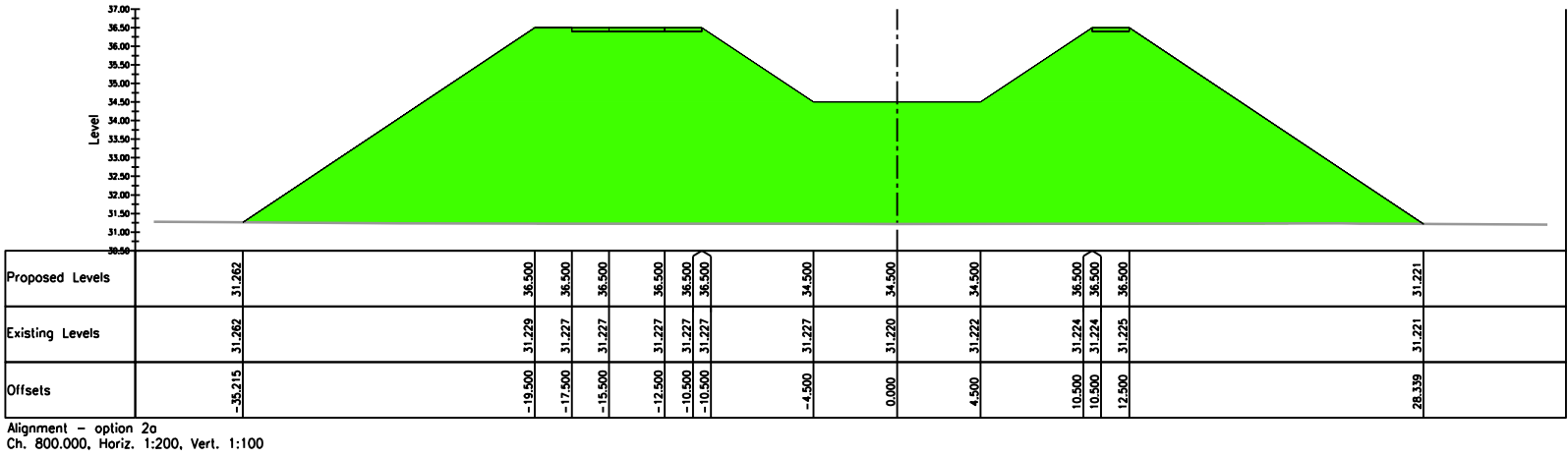
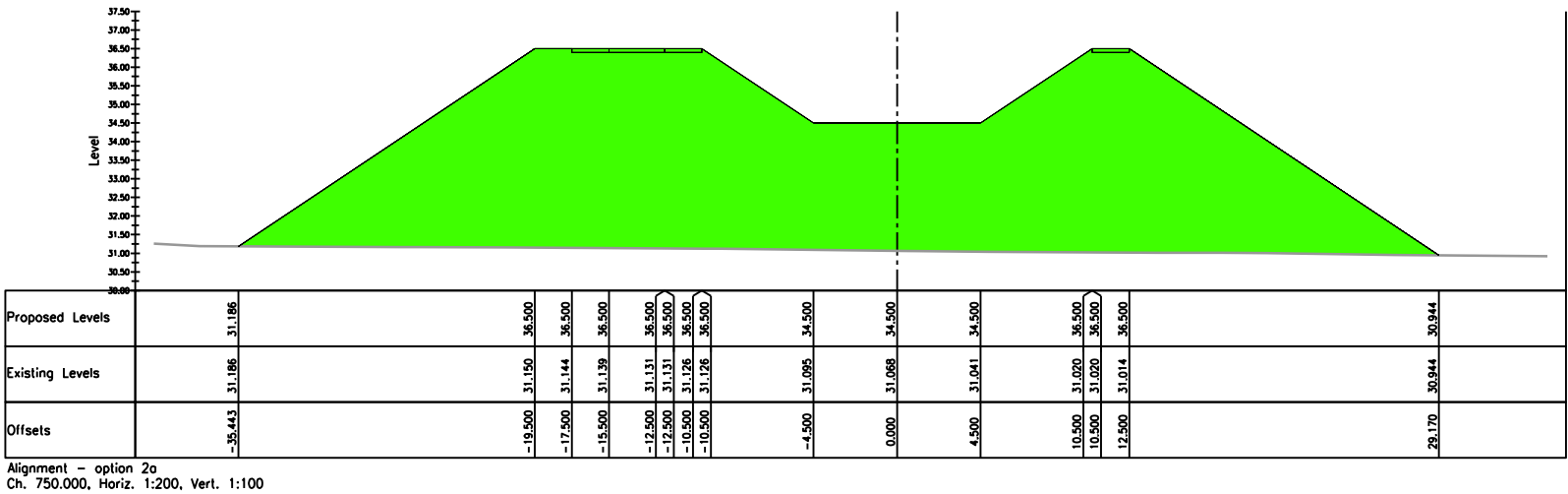
Key Plan:

Proposed Cut

Proposed Fill

Notes:

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A CH2M HILL COMPANY

Project **BEDFORD MILTON KEYNES WATERWAY, BELL FARM**

Drawing **OPTION 2A - DETAILED CROSS-SECTIONS**

Drawn by: S. SZWIEC Date: 23JAN2014
Checked by: T. UPSON Date: 23JAN2014
Approved by: J. NAWAZ Date: 23JAN2014

Drawing No.	Revision
476075-HG-01-00-DR-C-215	1

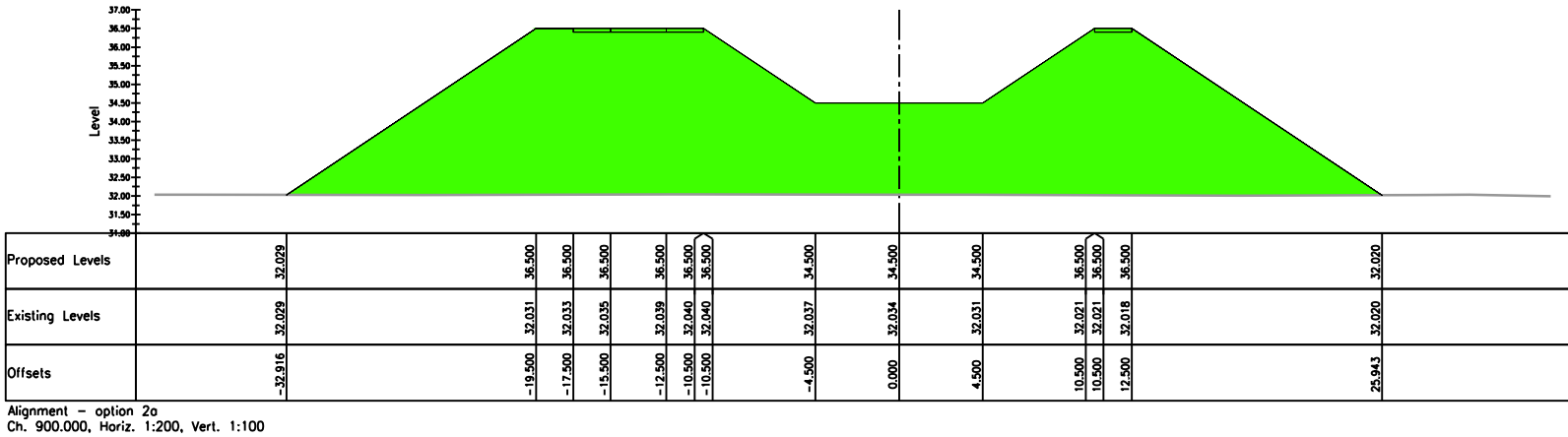
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Key Plan:

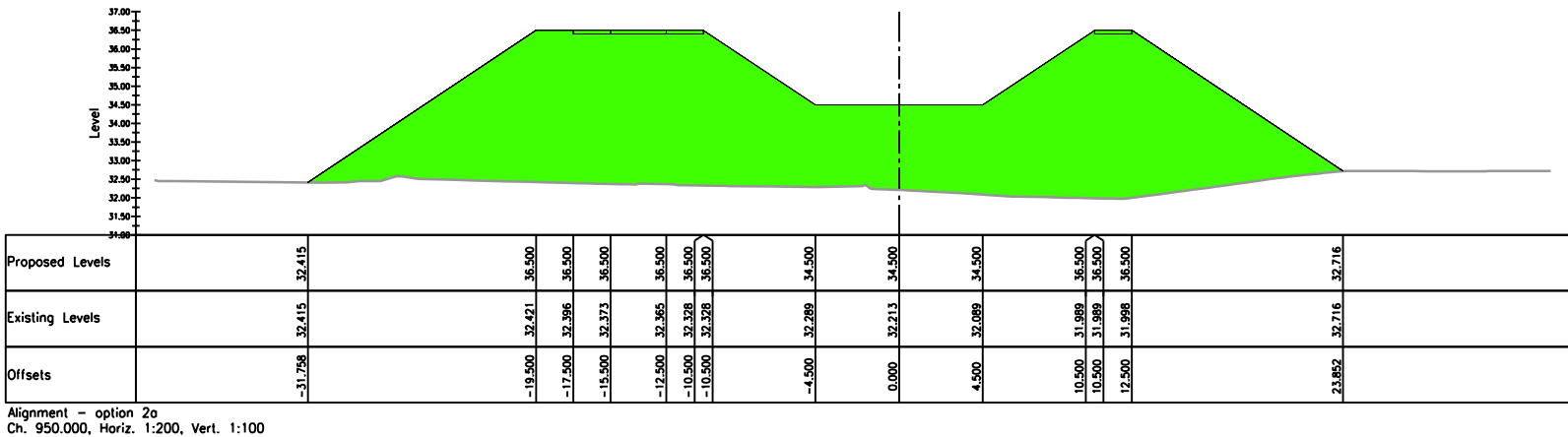
Proposed Cut

Proposed Fill

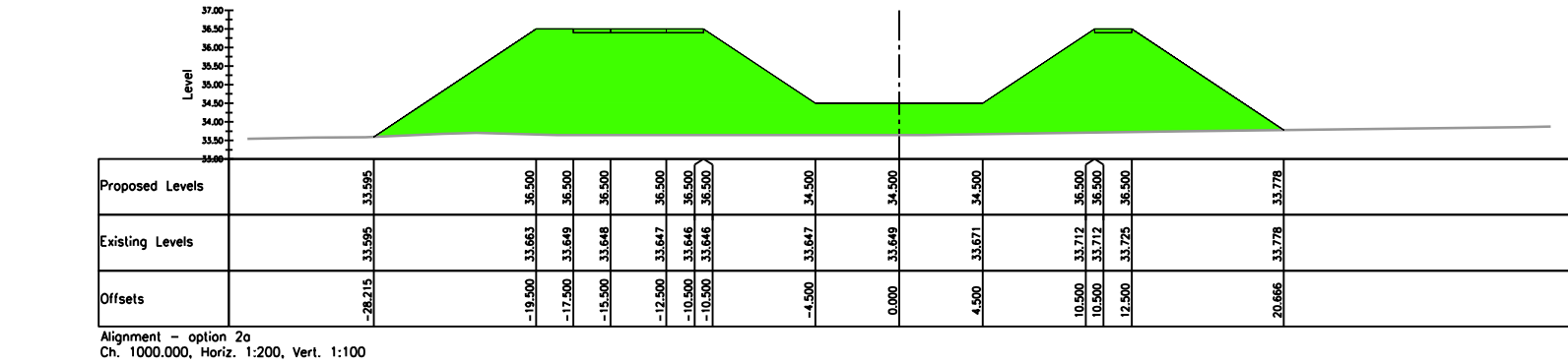
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Alignment - option 2a
Ch. 900.000, Horiz. 1:200, Vert. 1:100



Alignment - option 2a
Ch. 950.000, Horiz. 1:200, Vert. 1:100



Alignment - option 2a
Ch. 1000.000, Horiz. 1:200, Vert. 1:100

1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

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Halcrow

Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

**OPTION 2A - DETAILED
CROSS-SECTIONS**

Drawn by: S. SZWIEC Date: 23JAN2014

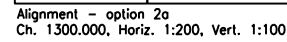
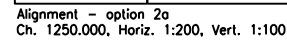
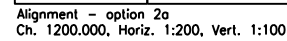
Checked by: T. UPSON Date: 23JAN2014



Approved by: J. NAWAZ Date: 23JAN2014

Drawing No. **476075-HG-01-00-DR-C-216**

Revision **1**

Drawing Scale: at A2@H 1:200, V 1:100



 Proposed Cut
 Proposed Fill

Notes:

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Rev	By	Chkd	Apprvd	Date	Description

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Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 2A - DETAILED CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23JAN2014

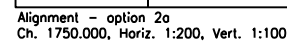
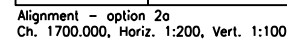
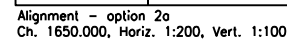
Checked by: T. UPSON Date: 23JAN2014

Approved by: J. NAWAZ Date: 23JAN2014



Drawing No.	Revision
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176075 HC 01 00 DB C 318	1
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Drawing Scale: at A2@H 1:200, V 1:100



Key Plan:

-  Proposed Cut
 Proposed Fill

Notes:

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Rev	By	Chkd	Apprvd	Date	Description

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Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 2A - DETAILED CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23 JAN 2014

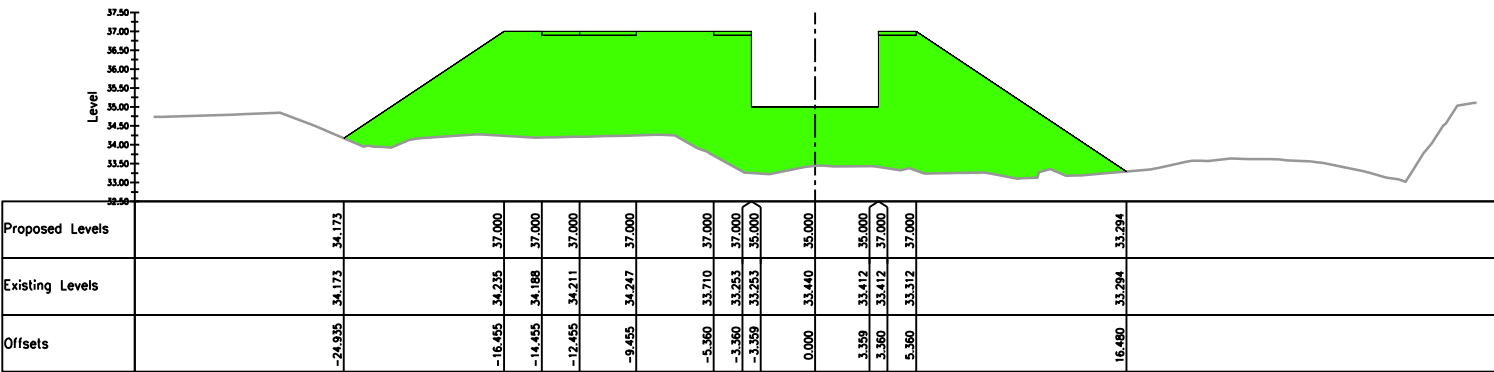
Checked by: T. JUPSON Date: 23 JAN 2014

Approved by: J. NAWAZ Date: 23 JAN 2014

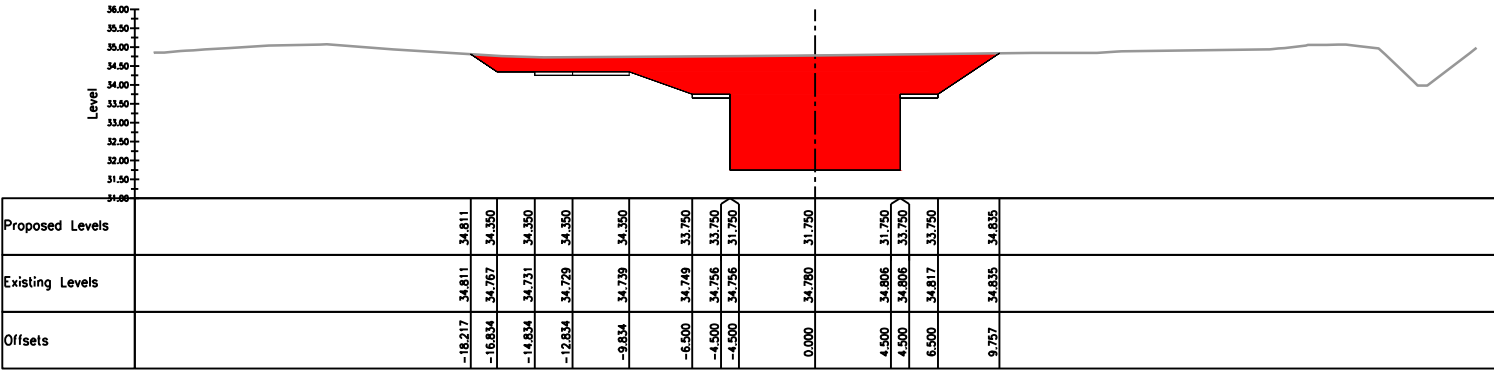
Drawing No.	Revision
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176075 LIC 01 00 DB C 221 1

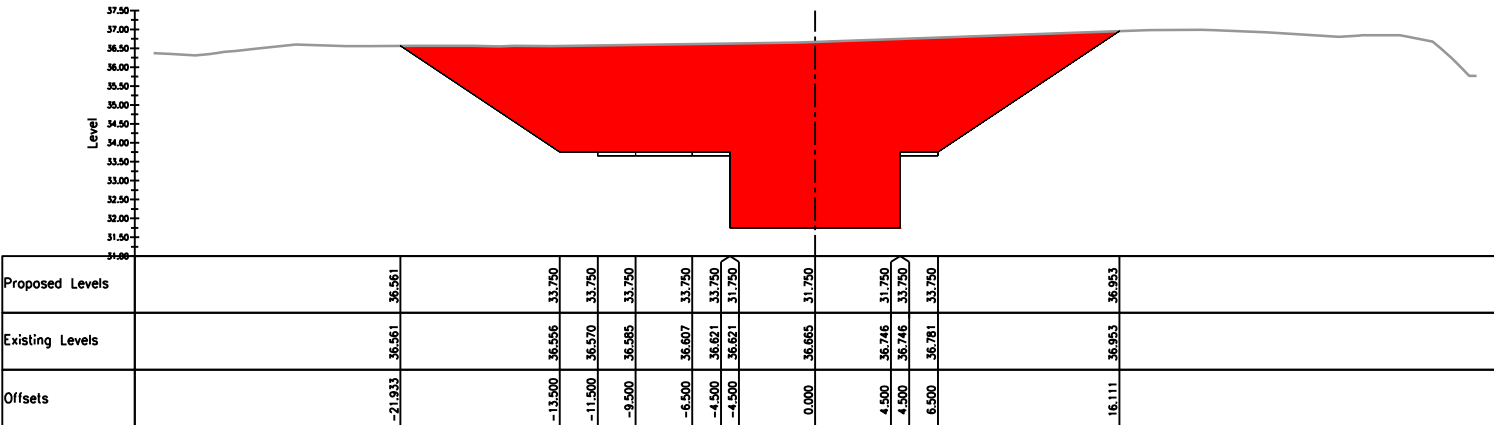
Drawing Scale: at A2@H 1:200 V 1:100



Alignment - option 2a
Ch. 1800,000, Horiz. 1:200, Vert. 1:100



Alignment - option 2a
Ch. 1850,000, Horiz. 1:200, Vert. 1:100



Alignment - option 2a
Ch. 1900,000, Horiz. 1:200, Vert. 1:100

Key Plan:

- Proposed Cut
- Proposed Fill

Notes:

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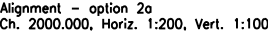
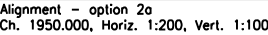
Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing **OPTION 2A - DETAILED
CROSS-SECTIONS**

Drawn by: S. SZWIEC Date: 23JAN2014
Checked by: T. UPSON Date: 23JAN2014
Approved by: J. NAWAZ Date: 23JAN2014



Drawing No. **476075-HG-01-00-DR-C-222** Revision **1**

Drawing Scale: at A2@H 1:200, V 1:100



Notes:

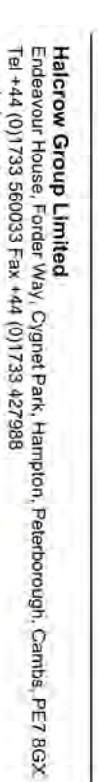
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4. ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

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Project	
BEDFORD MILTON KEYNES WATERWAY, BELL FARM	
Drawing	
OPTION 2A - DETAILED CROSS-SECTIONS	
Drawn by: S. SZWIEC	Date: 23JAN2014
Checked by: T. UPSON	Date: 23JAN2014
Approved by: J. NAWAZ	Date: 23JAN2014
Drawing No.	Revision
476075-HG-01-00-DR-C-223	1
Drawing Scale: at A2@H 1:200, V 1:100	



NOTES

1. DO NOT SCALE FROM THIS PAVING.
2. ALL LEVELS GIVEN IN METERS ABOVE ORDNANCE
3. ALL DIMENSIONS IN METERS UNLESS OTHERWISE NOTED.
4. NOTED TO THE PROPOSED PAVEMENT CLIENTS' PLAN AND LONGITUDINAL SECTION. THE DESIGN
5. MINIMUM OF 2 NO FOOT RIGGERS WOULD BE REQUIRED FOR PRESTRESSING/CONCRETE/BRIDGELAY LOCATION AND MAKE UP OF THESE WILL BE DECIDED DURING FLATBED DESIGN DEVELOPMENT.
6. A MINIMUM OF 1 NO VEHICLE ROAD CROSSING BRIDGE ETC TO ACCOMMODATE TRAFFIC FOR FARM AND POTENTIAL OTHERS USING WITH THE RAIL
7. DURING FLATBED DESIGN DEVELOPMENT THE DESIGN DURING FLATBED DESIGN DEVELOPMENT TO BE OF
8. MINIMUM IMPORTANCE REQUIREMENT FOR A CLIENT DESIGN STAGE AND AGREED WITH JOB



OPTION 2B - WATERWAY
LAYOUT PLAN

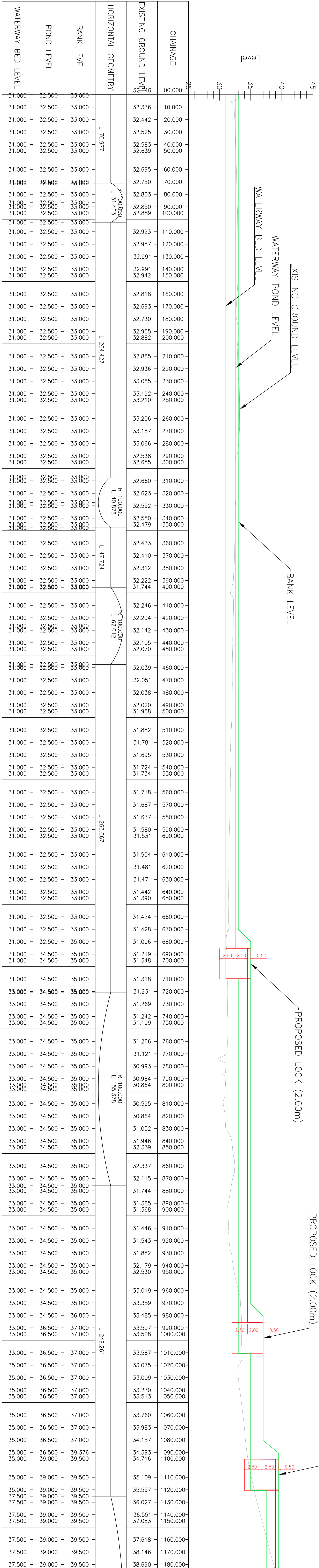
Drawn by: S. SZCZEC	Date: 23.04.2018
Checked by: T. URSOŃ	Date: 23.04.2018
Approved by: J. NAWAŻ	Date: 23.04.2018
Drawing No:	Revision
476075-HG-01-00-DR-C-300	2

Key Plan:

- Proposed Lock (Water Level Change)
- Proposed Bank Level
- Proposed Water Level
- Proposed Bed Level

Notes:

- DO NOT SCALE FROM THIS DRAWING.
- ALL LEVELS GIVEN IN METRES ABOVE ORIGNANCE
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
- NOTED: REFERENCE TO THE PROPOSED DRAINAGE CULVERTS AND LOCK STRUCTURES SHOWN ON THE ALIGNMENT PLAN AND LONGITUDINAL SECTION. THE DESIGN REQUIRED FOR RESTRAINING ELEVATION ELEVATION LOCATION AND MAKE UP OF THESE WILL BE DECIDED DURING FURTHER DESIGN DEVELOPMENT.
- A MINIMUM OF TWO FOOT BRIDGES WOULD BE REQUIRED FOR RESTRAINING ELEVATION ELEVATION LOCATION AND MAKE UP OF THESE WILL BE DECIDED DURING FURTHER DESIGN DEVELOPMENT.



CHAINAGE	EXISTING GROUND LEVEL	BANK LEVEL	PROPOSED LOCK (2.50m)	PROPOSED LOCK (2.00m)	PROPOSED LOCK (2.50m)
0.00	32.336	32.442	32.525	32.583	32.639
10.00	32.336	32.442	32.525	32.583	32.639
20.00	32.336	32.442	32.525	32.583	32.639
30.00	32.336	32.442	32.525	32.583	32.639
40.00	32.336	32.442	32.525	32.583	32.639
50.00	32.336	32.442	32.525	32.583	32.639
60.00	32.336	32.442	32.525	32.583	32.639
70.00	32.336	32.442	32.525	32.583	32.639
80.00	32.336	32.442	32.525	32.583	32.639
90.00	32.336	32.442	32.525	32.583	32.639
100.00	32.336	32.442	32.525	32.583	32.639
110.00	32.336	32.442	32.525	32.583	32.639
120.00	32.336	32.442	32.525	32.583	32.639
130.00	32.336	32.442	32.525	32.583	32.639
140.00	32.336	32.442	32.525	32.583	32.639
150.00	32.336	32.442	32.525	32.583	32.639
160.00	32.336	32.442	32.525	32.583	32.639
170.00	32.336	32.442	32.525	32.583	32.639
180.00	32.336	32.442	32.525	32.583	32.639
190.00	32.336	32.442	32.525	32.583	32.639
200.00	32.336	32.442	32.525	32.583	32.639
210.00	32.336	32.442	32.525	32.583	32.639
220.00	32.336	32.442	32.525	32.583	32.639
230.00	32.336	32.442	32.525	32.583	32.639
240.00	32.336	32.442	32.525	32.583	32.639
250.00	32.336	32.442	32.525	32.583	32.639
260.00	32.336	32.442	32.525	32.583	32.639
270.00	32.336	32.442	32.525	32.583	32.639
280.00	32.336	32.442	32.525	32.583	32.639
290.00	32.336	32.442	32.525	32.583	32.639
300.00	32.336	32.442	32.525	32.583	32.639
310.00	32.336	32.442	32.525	32.583	32.639
320.00	32.336	32.442	32.525	32.583	32.639
330.00	32.336	32.442	32.525	32.583	32.639
340.00	32.336	32.442	32.525	32.583	32.639
350.00	32.336	32.442	32.525	32.583	32.639
360.00	32.336	32.442	32.525	32.583	32.639
370.00	32.336	32.442	32.525	32.583	32.639
380.00	32.336	32.442	32.525	32.583	32.639
390.00	32.336	32.442	32.525	32.583	32.639
400.00	32.336	32.442	32.525	32.583	32.639
410.00	32.336	32.442	32.525	32.583	32.639
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440.00	32.336	32.442	32.525	32.583	32.639
450.00	32.336	32.442	32.525	32.583	32.639
460.00	32.336	32.442	32.525	32.583	32.639
470.00	32.336	32.442	32.525	32.583	32.639
480.00	32.336	32.442	32.525	32.583	32.639
490.00	32.336	32.442	32.525	32.583	32.639
500.00	32.336	32.442	32.525	32.583	32.639
510.00	32.336	32.442	32.525	32.583	32.639
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640.00	32.336	32.442	32.525	32.583	32.639
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660.00	32.336	32.442	32.525	32.583	32.639
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740.00	32.336	32.442	32.525	32.583	32.639
750.00	32.336	32.442	32.525	32.583	32.639
760.00	32.336	32.442	32.525	32.583	32.639
770.00	32.336	32.442	32.525	32.583	32.639
780.00	32.336	32.442	32.525	32.583	32.639
790.00	32.336	32.442	32.525	32.583	32.639
800.00	32.336	32.442	32.525	32.583	32.639
810.00	32.336	32.442	32.525	32.583	32.639
820.00	32.336	32.442	32.525	32.583	32.639
830.00	32.336	32.442	32.525	32.583	32.639
840.00	32.336	32.442	32.525	32.583	32.639
850.00	32.336	32.442	32.525	32.583	32.639
860.00	32.336	32.442	32.525	32.583	32.639
870.00	32.336	32.442	32.525	32.583	32.639
880.00	32.336	32.442	32.525	32.583	32.639
890.00	32.336	32.442	32.525	32.583	32.639
900.00	32.336	32.442	32.525	32.583	32.639
910.00	32.336	32.442	32.525	32.583	32.639
920.00	32.336	32.442	32.525	32.583	32.639
930.00	32.336	32.442	32.525	32.583	32.639
940.00	32.336	32.442	32.525	32.583	32.639
950.00	32.336	32.442	32.525	32.583	32.639
960.00	32.336	32.442	32.525	32.583	32.639
970.00	32.336	32.442	32.525	32.583	32.639
980.00	32.336	32.442	32.525	32.583	32.639
990.00	32.336	32.442	32.525	32.583	32.639
1000.00	32.336	32.442	32.525	32.583	32.639

LONGSECTION
SCALE ON A0: H 1:1250, V 1:250
A3: H 1:10000, V 1:2000

Rev	By	Chk	Issued	Date	Description
1	SS	TU	28	2024	ISSUED FOR CONSTRUCTION
2	SS	TU	28	2024	ISSUED FOR CONSTRUCTION



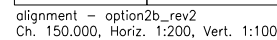
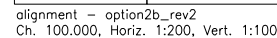
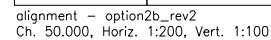
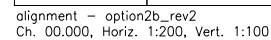
OPTION 2B - WATERWAY
LONGITUDINAL PROFILE


OPTION 2B - WATERWAY
LONGITUDINAL PROFILE


OPTION 2B - WATERWAY
LONGITUDINAL PROFILE

Drawn by: S. SOWEC	Drawn: 23/04/2024
Checked by: T. JEFFSON	Checked: 23/04/2024
Approved by: J. WAINZ	Approved: 23/04/2024
Drawn by:	Drawn:
476075-HG-01-00-PR-C-305	2

Drawing Scale: 1:1250, V 1:250



 Proposed Cut

 Proposed Fill

Notes:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
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3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED.
4. ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

Client



Halcrow Group Limited
Endeavour House, Forder Way, Cygnet Park, Hampton, Peterborough, Cambs, PE7 8GX
Tel +44 (0)1733 560033 Fax +44 (0)1733 427988
www.halcrow.com

A CH2M HILL COMPANY

Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 2B - DETAILED
CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23JAN2014

Checked by: T. UPSON Date: 23JAN2014

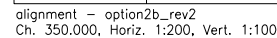
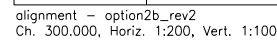
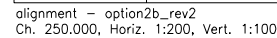
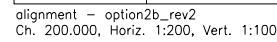
Approved by: J. NAWAZ Date: 23JAN2014

Drawing No.	Revision
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
476075-HG-01-00-DR-C-310	1
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Drawing Scale: at A2@H 1:200, V 1:100

Drawing Scale: at A2@H 1:200, V 1:100



Key Plan:

-  Proposed Cut
-  Proposed Fill

Notes:

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1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

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Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 2B - DETAILED
CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23JAN2014

Checked by: T. UPSON Date: 23JAN2014

Approved by: J. NAWAZ Date: 23JAN2014

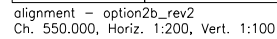
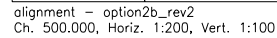
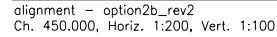
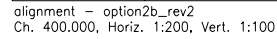
Drawing No.	Revision
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476075 HC 01 00 DB C 311	1	path
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476075-HG-01-00-DR-C-311

Drawing Scale: at A2@H 1:200, V 1:100

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Key Plan:

 Proposed Fill

Notes:

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4. ALL LEVELS IN METRES UNLESS OTHERWISE NOTED.

1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

Client

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Drawing

OPTION 2B - DETAILED
CROSS-SECTIONS

Checked by: T. UPSON Date: 23JAN2014

Drawing No.	Revision
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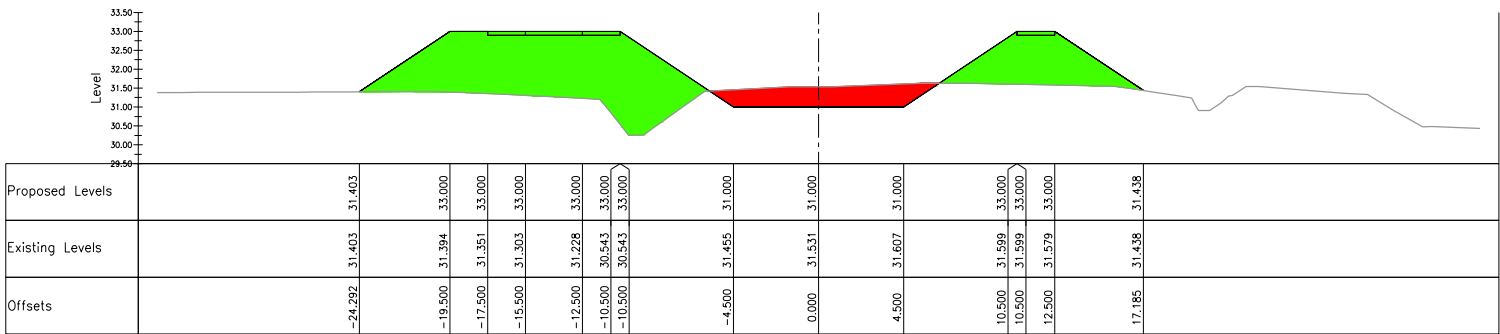
Drawing No.	Revision
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476075 HG 01 00 DB C 312	1
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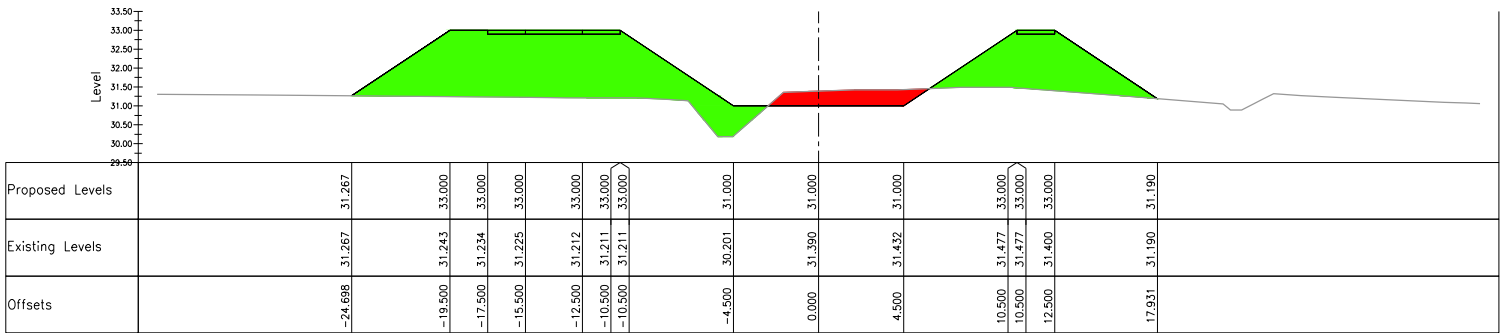
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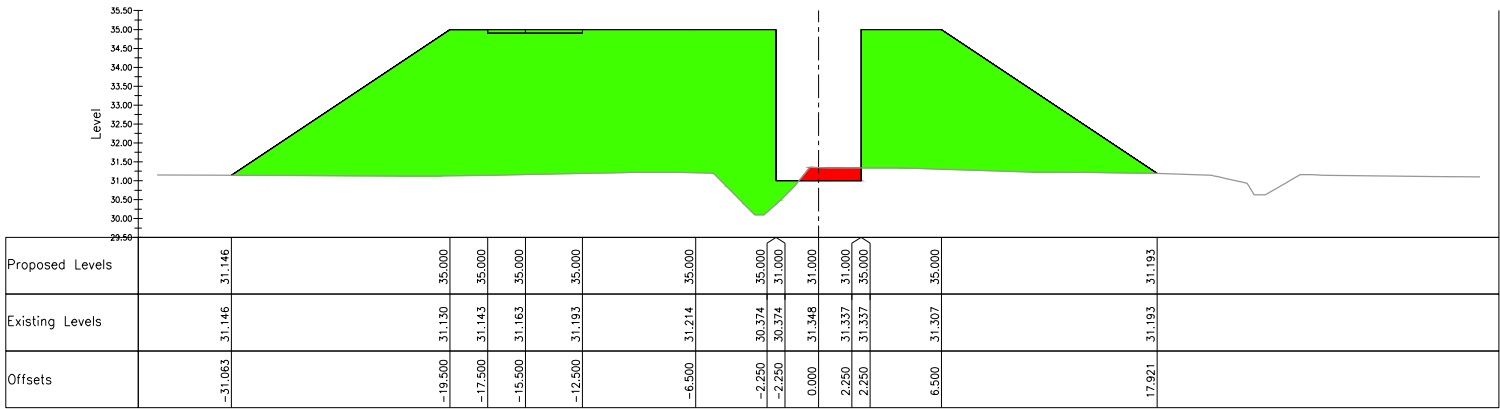
Drawing Scale: at A2@H 1:200, V 1:100



alignment - option2b_rev2
Ch. 600.000, Horiz. 1:200, Vert. 1:100



alignment - option2b_rev2
Ch. 650.000, Horiz. 1:200, Vert. 1:100



alignment - option2b_rev2
Ch. 700.000, Horiz. 1:200, Vert. 1:100

Key Plan:

- Proposed Cut
- Proposed Fill

Notes:

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1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Appr'd	Date	Description

Client

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www.halcrow.com

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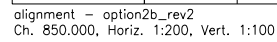
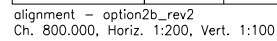
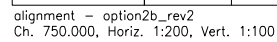
Project **BEDFORD MILTON KEYNES WATERWAY, BELL FARM**

Drawing **OPTION 2B - DETAILED CROSS-SECTIONS**



Drawn by: S. SZWIEC Date: 23JAN2014
Checked by: T. UPSON Date: 23JAN2014
Approved by: J. NAWAZ Date: 23JAN2014

Drawing No. **476075-HG-01-00-DR-C-313** Revision **1**

Drawing Scale: at A2@H 1:200, V 1:100



Key Plan:

-  Proposed Cut
-  Proposed Fill

Notes:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
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1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Appr'd	Date	Description

Client



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Tel +44 (0)1733 560033 Fax +44 (0)1733 427988
www.halcrow.com

A CH2M HILL COMPANY

Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

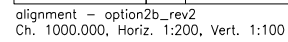
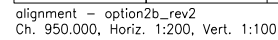
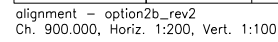
OPTION 2B - DETAILED
CROSS-SECTIONS


Drawn by: S. SZWIEC	Date: 23JAN2014
Checked by: T. UPSON	Date: 23JAN2014
Approved by: J. NAWAZ	Date: 23JAN2014


Drawing No.	Revision
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476075-HG-01-00-DR-C-314	1	file path
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Drawing Scale: at A2@H 1:200, V 1:100



 Proposed Cut

 Proposed Fill

Notes:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
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1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

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www.halcrow.com

A CH2M HILL COMPANY

Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 2B - DETAILED CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23JAN2014

Checked by: T. UPSON Date: 23JAN2014

Approved by: J. NAWAZ Date: 23JAN2014

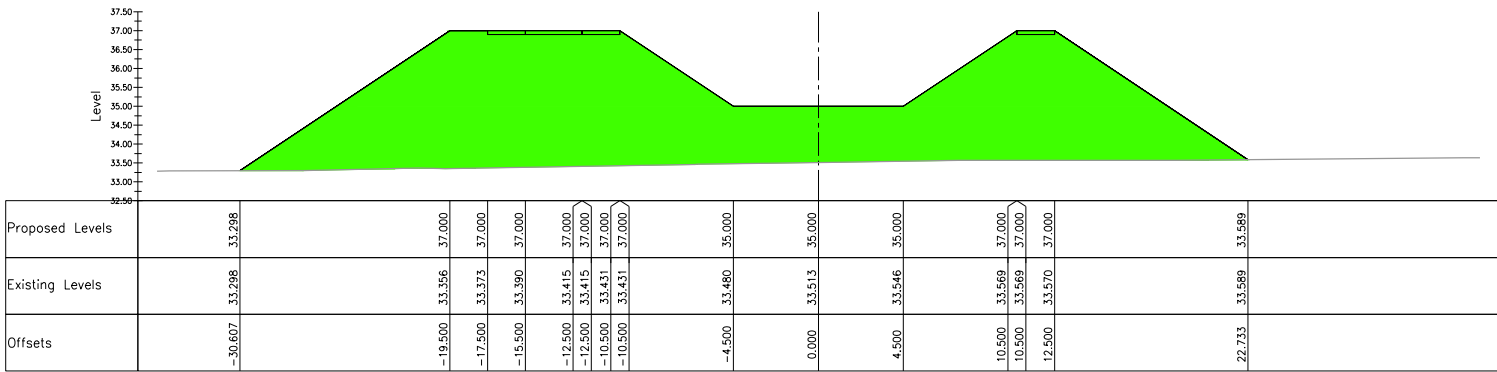
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476075 HC 01 00 DB C 315	1	path
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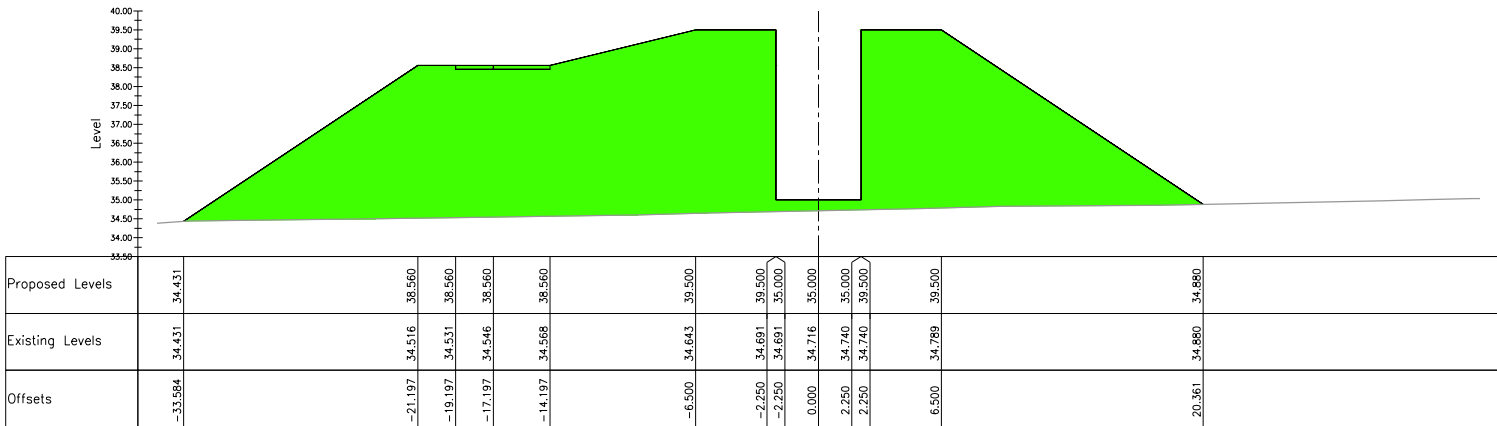
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Drawing Scale: at A2@H 1:200, V 1:100

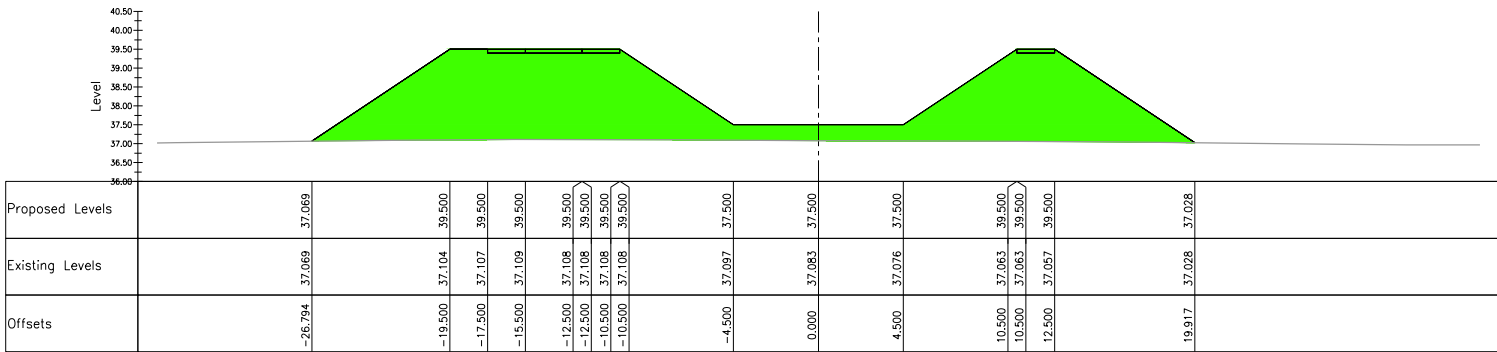
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alignment - option2b_rev2
Ch. 1050.000, Horiz. 1:200, Vert. 1:100



alignment - option2b_rev2
Ch. 1100.000, Horiz. 1:200, Vert. 1:100



alignment - option2b_rev2
Ch. 1150.000, Horiz. 1:200, Vert. 1:100

Key Plan:

- Proposed Cut
- Proposed Fill

Notes:

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1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

Client

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BOROUGH COUNCIL

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Endeavour House, Forder Way, Cygnet Park, Hampton, Peterborough, Cambs, PE7 8GX
Tel +44 (0)1733 560033 Fax +44 (0)1733 427988
www.halcrow.com

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Project

**BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

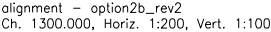
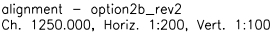
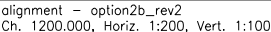
Drawing

**OPTION 2B - DETAILED
CROSS-SECTIONS**


Drawn by: S. SZWIEC	Date: 23JAN2014
Checked by: T. UPSON	Date: 23JAN2014
Approved by: J. NAWAZ	Date: 23JAN2014


Drawing No.	Revision
476075-HG-01-00-DR-C-316	1

Drawing Scale: at A2@H 1:200, V 1:100



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User and Plot Date : szynwicz 30/1/2014 - 4:11 pm
szynwicz

 Proposed Cut

 Proposed Fill

Notes:

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1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

Client

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 Endeavour House, Forder Way, Cygnet Park, Hampton, Peterborough, Cambs, PE7 8GJ
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www.halcrow.com

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Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 2B - DETAILED CROSS-SECTIONS

Drawn by: S. SZWIEC Date: 23JAN2014

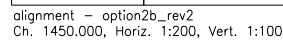
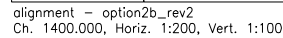
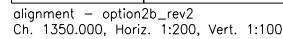
Checked by: T. UPSON Date: 23JAN2014


Approved by: J. NAWAZ Date: 23JAN2014


Drawing No.	Revision
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476075-HG-01-00-DR-C-317

Drawing Scale: at A2@H 1:200, V 1:100



 Proposed Cut

 Proposed Fill

Notes:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELEVANT DRAWINGS.
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1	SS	TU	JN	23/01/14	FIRST ISSUE
Rev	By	Chkd	Apprvd	Date	Description

Client



Halcrow Group Limited
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www.halcrow.com

A CH2M HILL COMPANY



Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

OPTION 2B - DETAILED
CROSS-SECTIONS

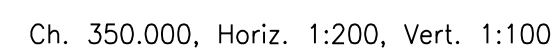
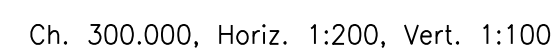
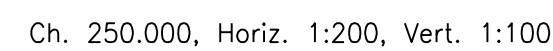
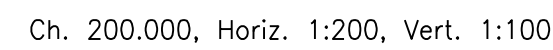
Drawn by: S. SZWIEC	Date: 23JAN2014
Checked by: T. UPSON	Date: 23JAN2014

Checked by: T. UPSON	Date: 23JAN2014
Approved by: J. NAWAZ	Date: 23JAN2014

Drawing No.	Revision
470075-UC-01-00-PB-0-010	1

Drawing Scale: at A2@H 1:200, V 1:100

Drawing Scale: at A2@H 1:200, V 1:100

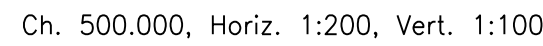
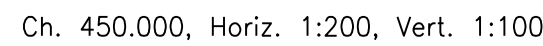
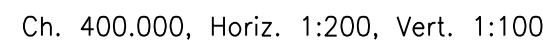


DRAFT

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3. All dimensions in millimetres unless otherwise noted.
4. All levels in metres unless otherwise noted.

Drawing No.	Revision
476075-HG-01-00-DR-C-411	1
Drawing Scale: 1:200	

	Drawing file path & name	Reference file path	User and Plot Date
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	: szwiec : 26.9.2013 - 2.9 pm		



DRAFT

Notes:

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4. All levels in metres unless otherwise noted.

Client

 **BEDFORD**
BOROUGH COUNCIL

Bedford Borough Council
Borough Hall
Coulston Street
Bedford
MK42 9EP
Tel: 01235 367432

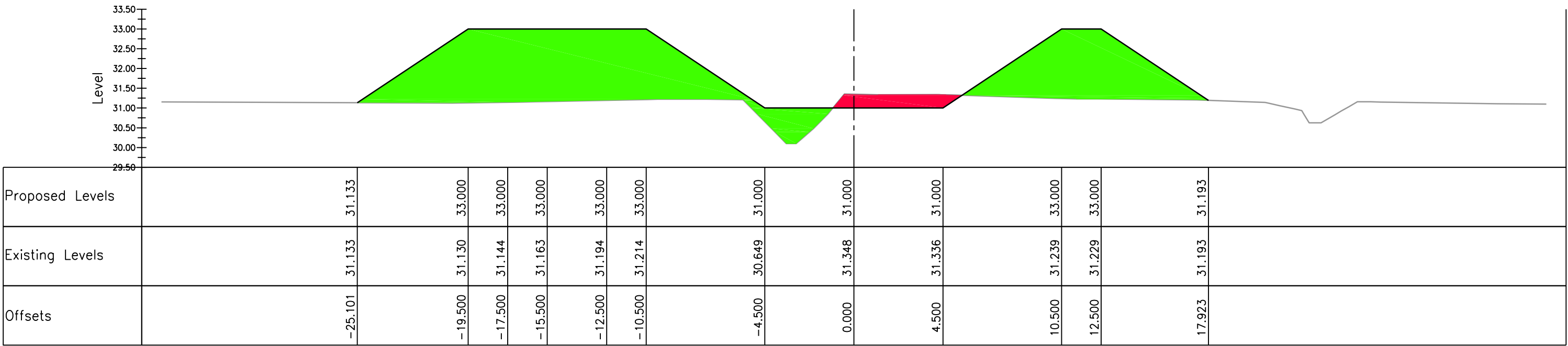
Drawing

OPTION 3 - DETAILED
CROSS-SECTIONS

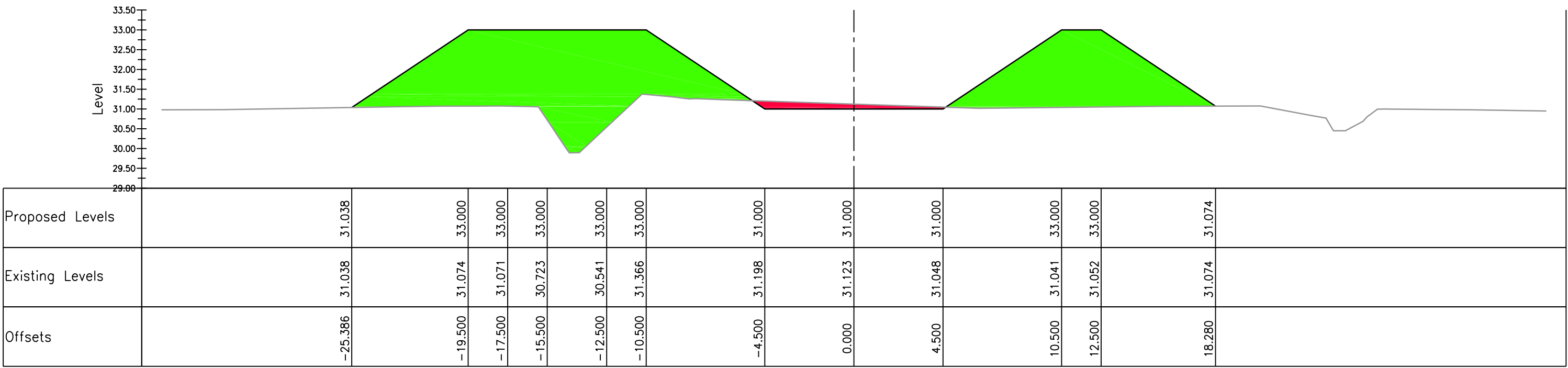
Drawn by: M.MISCICKI	Date: 24SEP20
Checked by: T.UPSON	Date: 24SEP20
Approved by: J.NAWAZ	Date: 24SEP20

Drawing No.	Revision
476075-HG-01-00-DR-C-412	1
Drawing Scale: 1:200	

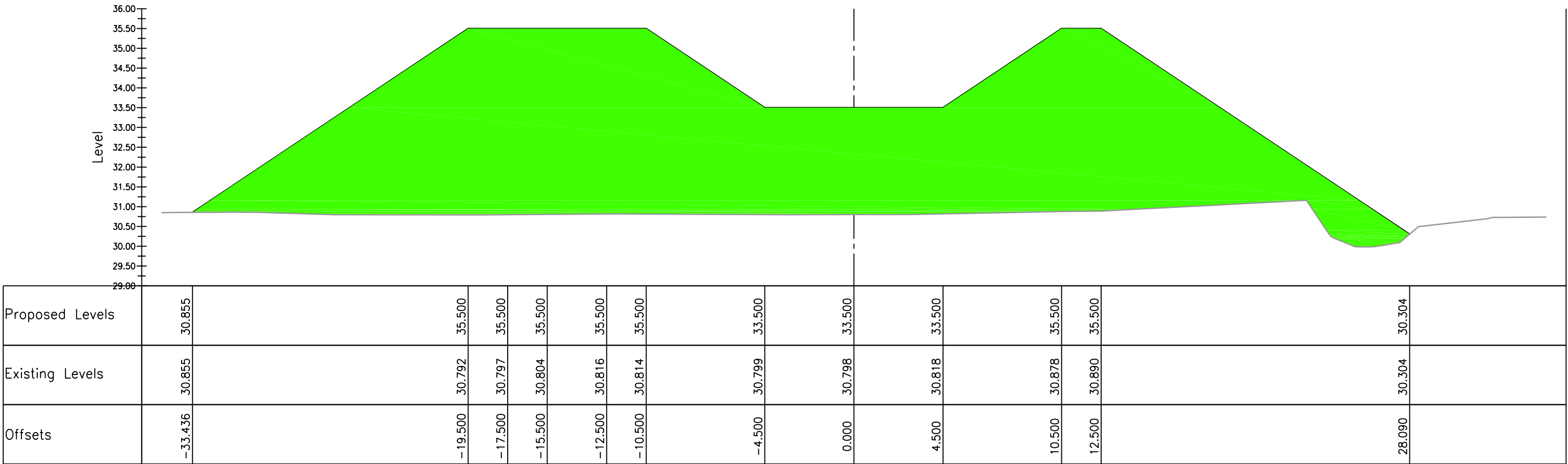
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Issue and Plot Date	26/9/2013 3:29 pm



Ch. 700.000, Horiz. 1:200, Vert. 1:100



Ch. 750.000, Horiz. 1:200, Vert. 1:100



Ch. 800.000, Horiz. 1:200, Vert. 1:100

Key Plan:

Notes:

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4. All levels in metres unless otherwise noted.

Rev	By	Chkd	Apprvd	Date	Description
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Client

BEDFORD BOROUGH COUNCIL

Enquiries: 01753 560033
Fax: 01753 427888
www.beds.gov.uk

Halcrow Group Limited
Endeavour House, Forder Way, Cygnet Park, Hampton, Peterborough, Cambs, PE7 8GX
Tel +44 (0)1753 560033 Fax +44 (0)1753 427888
www.halcrow.com

Project

**BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

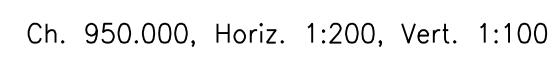
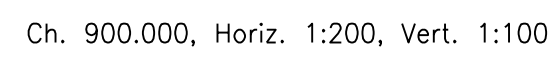
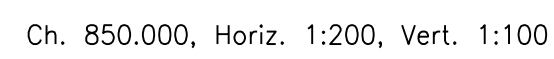
**OPTION 3 - DETAILED
CROSS-SECTIONS**

Drawn by: M.MISCICKI Date: 24SEP2013
Checked by: T.UPSON Date: 24SEP2013
Approved by: J.NAWAZ Date: 24SEP2013

Drawing No.	Revision
476075-HG-01-00-DR-C-414	1

Drawing Scale: 1:200

DRAFT



DRAFT

Notes:

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3. All dimensions in millimetres unless otherwise noted.
4. All levels in metres unless otherwise noted.

Drawing No.	Revision
476075-HG-01-00-DR-C-415	1
Drawing Scale: 1:200	

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Reference file path      : \\SWSOZWICE\Groups\Halcrow\WaterKra_Res_Centre\01_Projects\0_476075_BEDFORD_MILTON_WATERWAYS\drawings\
User and Plot Date       : szwiec; 26.9.2013; 2:9 pm
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Ch. 1000.000, Horiz. 1:200, Vert. 1:100

Ch. 1050.000, Horiz. 1:200, Vert. 1:100

Ch. 1100.000, Horiz. 1:200, Vert. 1:100

Key Plan:

Notes:

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4. All levels in metres unless otherwise noted.

-	*	*	*	*	*
Rev	By	Chkd	Apprvd	Date	Description

Project **BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

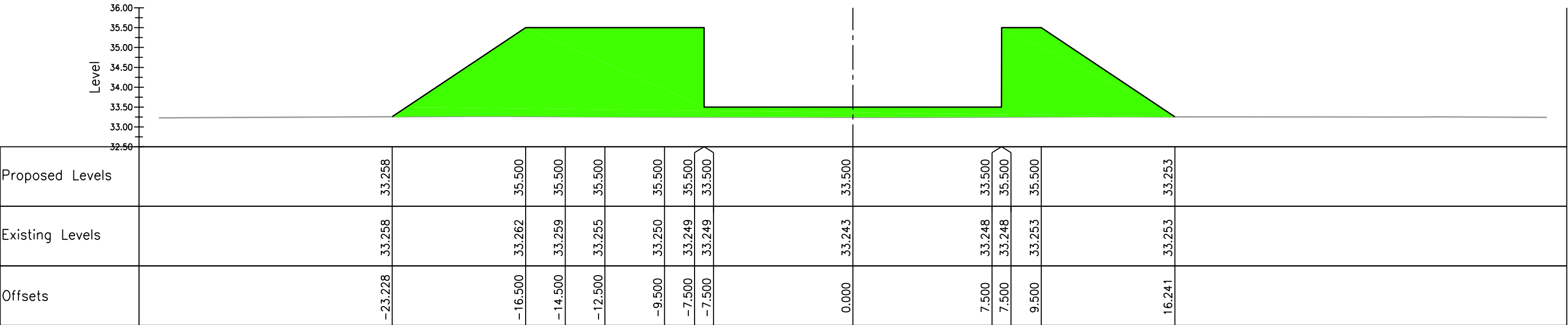
Drawing

OPTION 3 - DETAILED
CROSS-SECTIONS

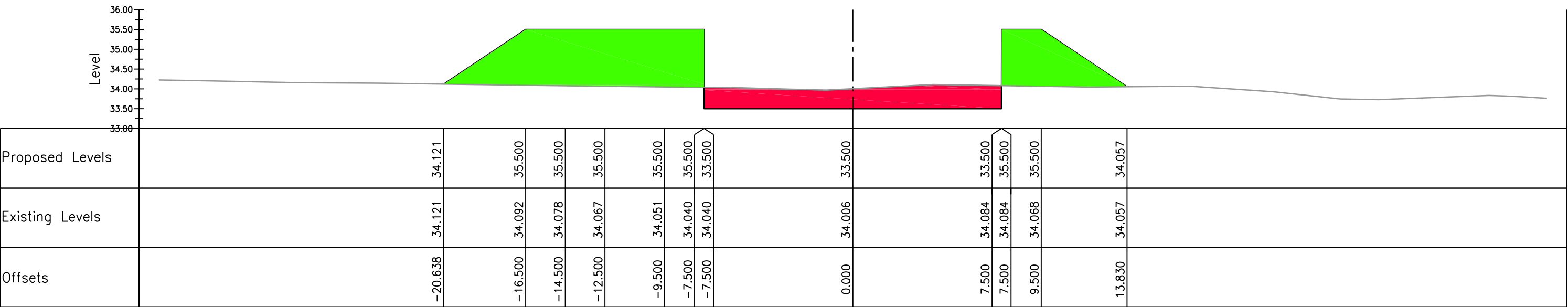
Drawn by: M.MISCICKI	Date: 24SEP2013
Checked by: T.UPSON	Date: 24SEP2013
Approved by: J.NAWAZ	Date: 24SEP2013

Drawing No.	Revision
476075-HG-01-00-DR-C-416	1
Drawing Scale: 1:200	

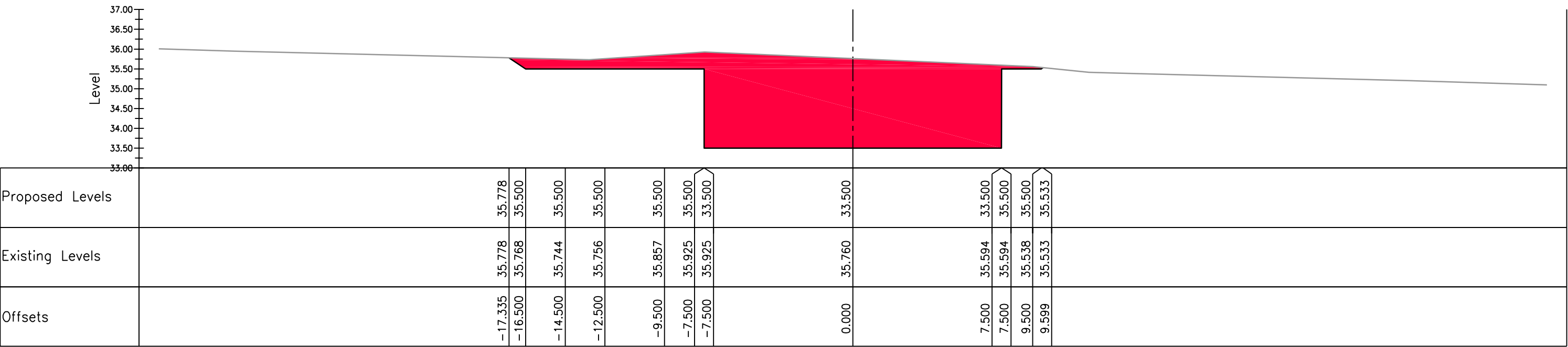
DRAFT



Ch. 1150.000, Horiz. 1:200, Vert. 1:100



Ch. 1200.000, Horiz. 1:200, Vert. 1:100



Ch. 1250.000, Horiz. 1:200, Vert. 1:100



Ch. 1300.000, Horiz. 1:200, Vert. 1:100

DRAFT

Key Plan:

Notes:

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4. All levels in metres unless otherwise noted.

Rev	By	Chkd	Apprvd	Date	Description
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Client

BEDFORD BOROUGH COUNCIL

Bedfordshire Development Corporation
Bedfordshire County Council
Bedfordshire Police
Bedfordshire Fire & Rescue
Bedfordshire Council

Halcrow Group Limited
Endeavour House, Forder Way, Cygnet Park, Hampton, Peterborough, Cambs, PE7 8GX
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www.halcrow.com

Project

**BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

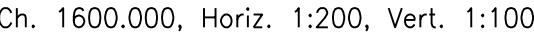
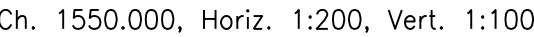
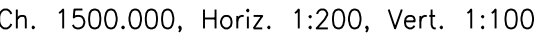
Drawing

**OPTION 3 - DETAILED
CROSS-SECTIONS**

Drawn by: M.MISCICKI	Date: 24SEP2013
Checked by: T.UPSON	Date: 24SEP2013
Approved by: J.NAWAZ	Date: 24SEP2013

Drawing No.	Revision
476075-HG-01-00-DR-C-417	1

Drawing Scale: 1:200



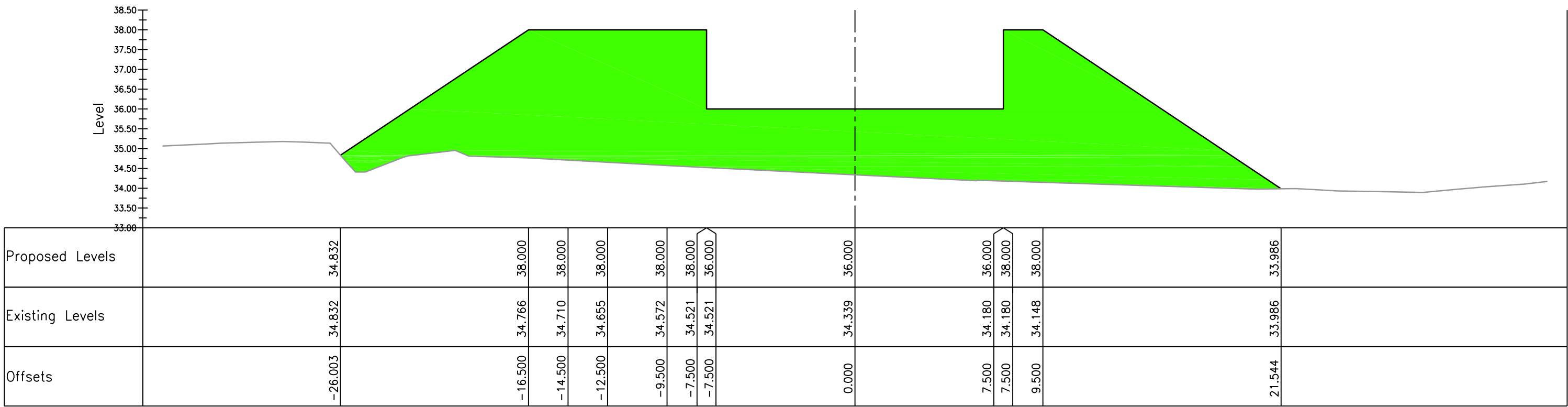
DRAFT

Notes:

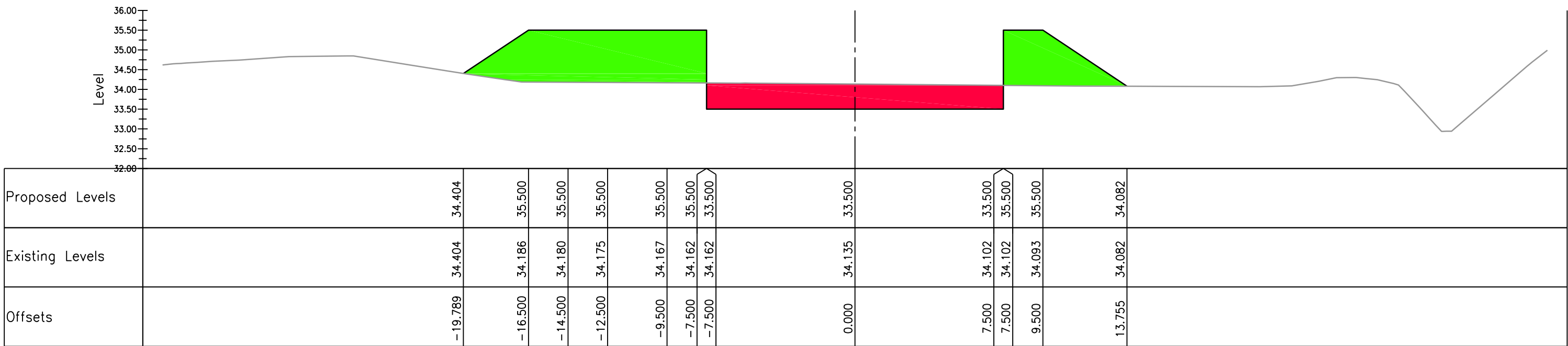
1. This drawing to be read in conjunction with the relevant specification and all other relevant drawings.
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3. All dimensions in millimetres unless otherwise noted.
4. All levels in metres unless otherwise noted.

Drawing No.	Revision
476075-HG-01-00-DR-C-419	1

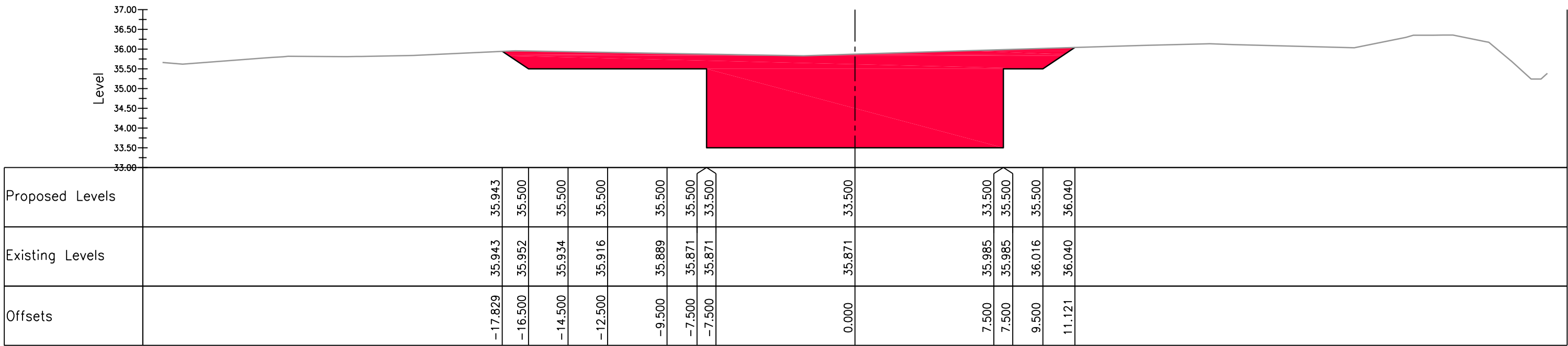
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Reference file path	\\SWSOZSWICE\Groups\HollowWater\Kra_Res_Centre\01_Projects\01_476075_BEDFORD_MILTON_WATERWAY\Subdrawings\476075-HG-01-00-DRC.dwg
User and Plot Date	sszwic; 26/9/2013 3:09 AM



Ch. 1650.000, Horiz. 1:200, Vert. 1:100



Ch. 1700.000, Horiz. 1:200, Vert. 1:100



Ch. 1750.000, Horiz. 1:200, Vert. 1:100

Key Plan:

Notes:

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Rev	By	Chkd	Apprvd	Date	Description

Client



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Project

**BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

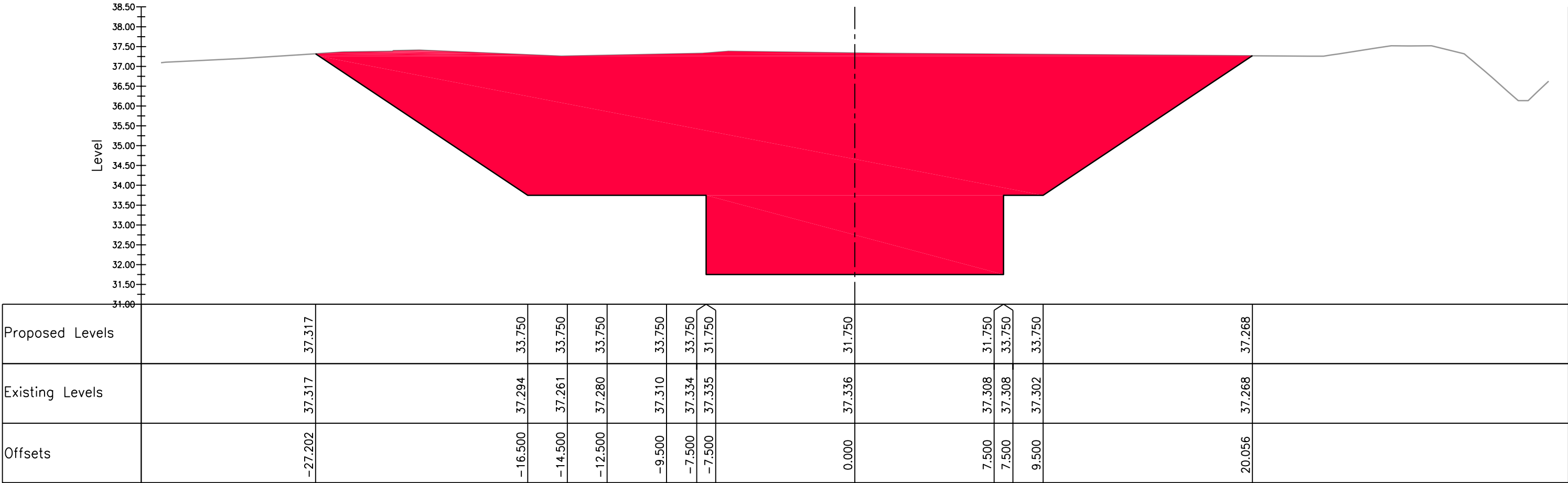
**OPTION 3 - DETAILED
CROSS-SECTIONS**

Drawn by: M.MISCICKI	Date: 24SEP2013
Checked by: T.UPSON	Date: 24SEP2013
Approved by: J.NAWAZ	Date: 24SEP2013

Drawing No.	Revision
476075-HG-01-00-DR-C-420	1

Drawing Scale: 1:200

DRAFT



Ch. 1800.000, Horiz. 1:200, Vert. 1:100

Key Plan:

Notes:

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Rev	By	Chkd	Apprvd	Date	Description

Client



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BOROUGH COUNCIL

Bedford Borough Council
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Tel: 01753 560033 Fax: 01753 427888
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Project

**BEDFORD MILTON
KEYNES WATERWAY,
BELL FARM**

Drawing

**OPTION 3 - DETAILED
CROSS-SECTIONS**

Drawn by: M.MISCICKI Date: 24SEP2013

Checked by: T.UPSON Date: 24SEP2013

Approved by: J.NAWAZ Date: 24SEP2013

Drawing No.

476075-HG-01-00-DR-C-421

Revision

1

Drawing Scale: 1:200

DRAFT