Appendices

Appendix A
Topographical/Drainage Survey
Yorkshire Water Sewer Plans

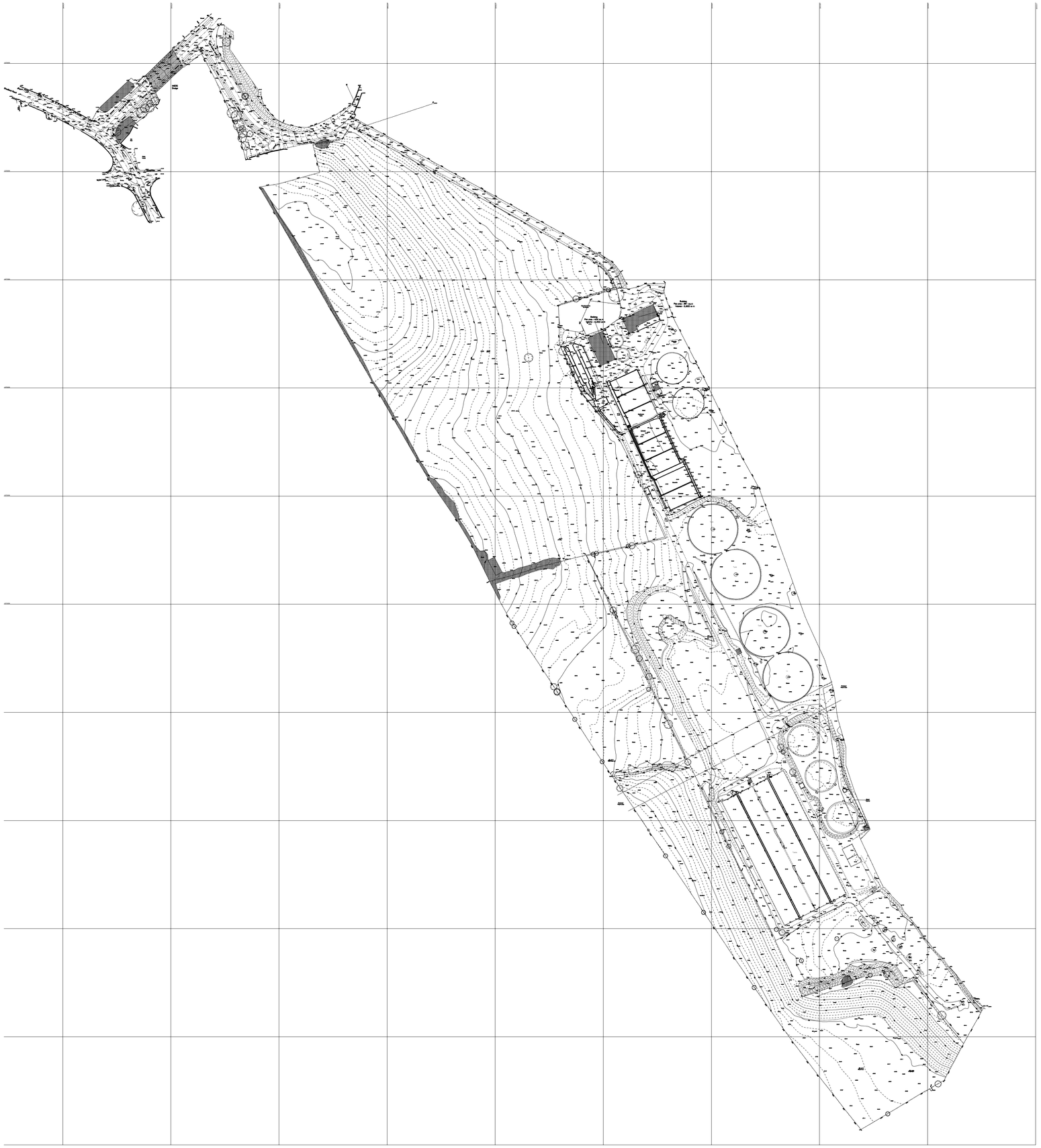
Appendix B
Environment Agency Product 4 Flood Mapping
Site Masterplan with Environment Agency Flood Zone Mapping Overlaid - 60304-FRA-101

Appendix C
Site Specific Flood Modelling Reports (by FRC)
Site Masterplan with Modelled Flood Outlines Overlaid - 60304-FRA-105

Appendix D
Drainage Area Catchment Plan – 60304-FRA-100
Outline Drainage Strategy Drawings - 60304-FRA-102
60304-FRA-103
60304-FRA-104

Appendix A

DO NOT SCALE FROM THIS DRAWING | A1



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REVISION	DETAILS	DATE	DRAWN	CH'D	APP'D
A	First Issue	27/03/14	DP	ND	GW

CLIENT

KEYLAND DEVELOPMENTS LTD

PROJECT

NORTH BIERLEY WWTW

DRAWING TITLE

TOPOGRAPHICAL SURVEY
MARCH 2014
(SHEET 1 OF 2)

DRG No.	SCALE	DATE
SH10534-004	1:1000 @ A1	18/03/14
DRAWN BY: DP	CHECKED BY: ND	APPROVED BY: GW

☐ STOKE-ON-TRENT (HEAD OFFICE)	TEL 0845 111 7777	☐ CARDIFF	TEL 029 2072 9191
		☐ LEIGH	TEL 01942 260101
☐ NEWCASTLE UPON TYNE	TEL 0191 232 0943	■ SHEFFIELD	TEL 0114 245 6244
☐ WEST BROMWICH	TEL 0121 580 0909	☐ EDINBURGH	TEL 0131 555 3311
☐ LONDON	TEL 020 7287 2872	☐ LIVERPOOL	TEL 0151 494 5431

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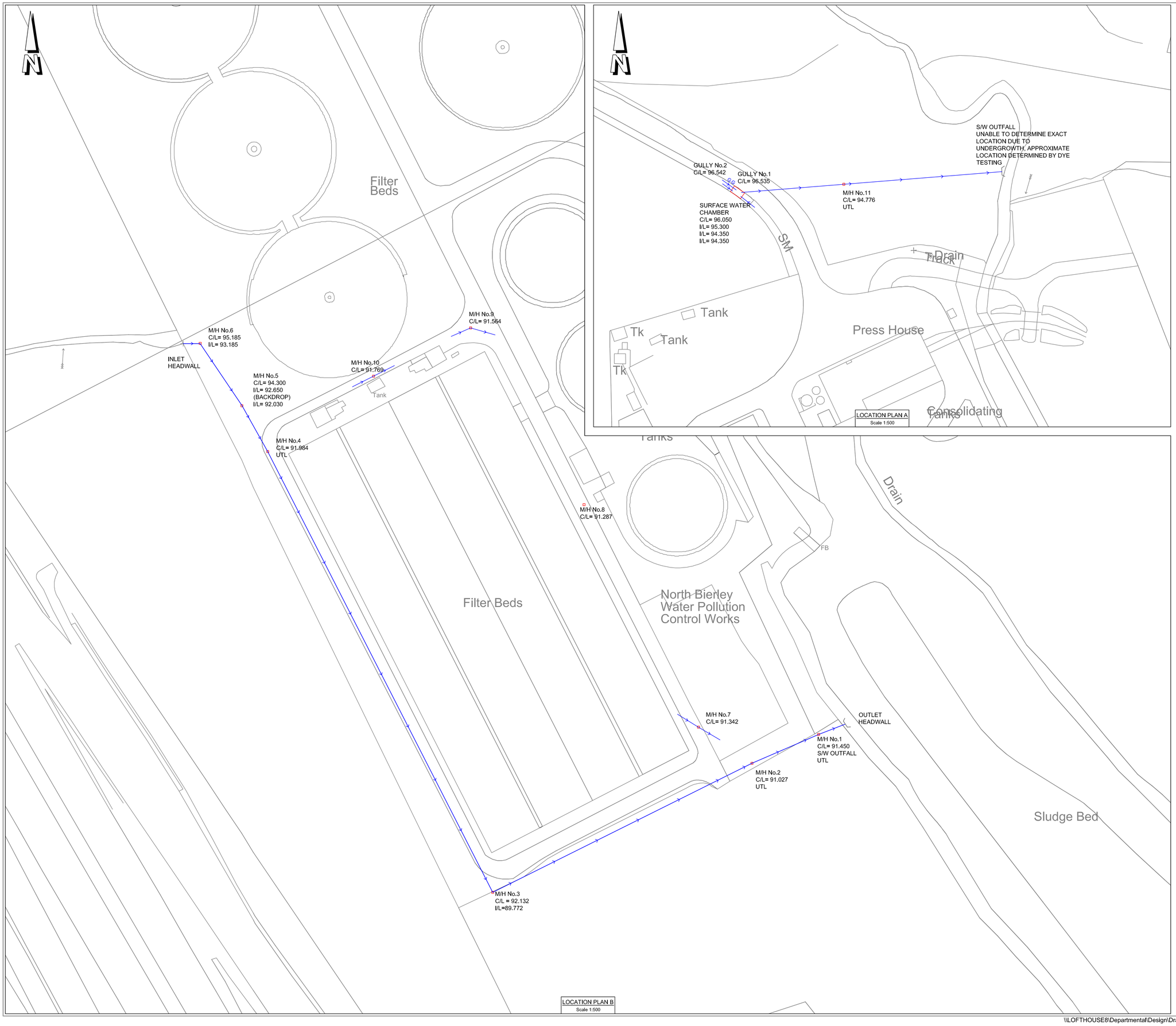
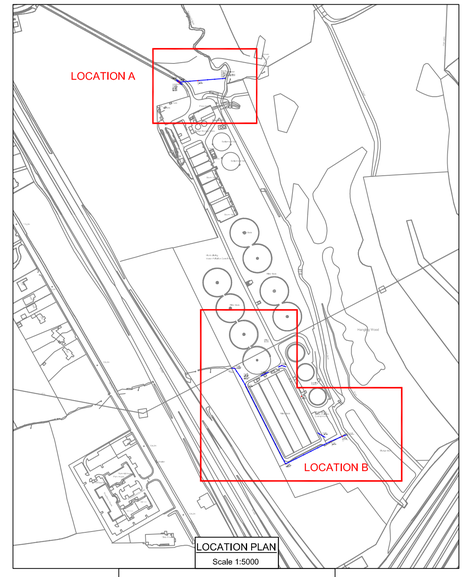


Notes

1 LEVELS ARE RELATIVE TO OS ESTABLISHED BY GPS.



LEGEND

- Existing Surface water sewer
- Existing manhole
- UTL Unable to lift

AMENDMENTS	DRAWN	CHECK	DATE

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SE1827	418000, 427500

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KEYLAND DEVELOPMENTS

SCHEME REFERENCE	DAZ REFERENCE

PROJECT TITLE
NORTH BIERLEY STW,
BRADFORD

DRAWING TITLE
SURVEY OF EXISTING
SURFACE WATER DRAINS

DUFFY
CIVIL ENGINEERING & UTILITY SERVICES
PETER DUFFY LIMITED
Connaught House, Park View,
Lofthouse Gate, Wakefield. WF3 3HA
Telephone : 01924 871100
Fax : 01924 871199
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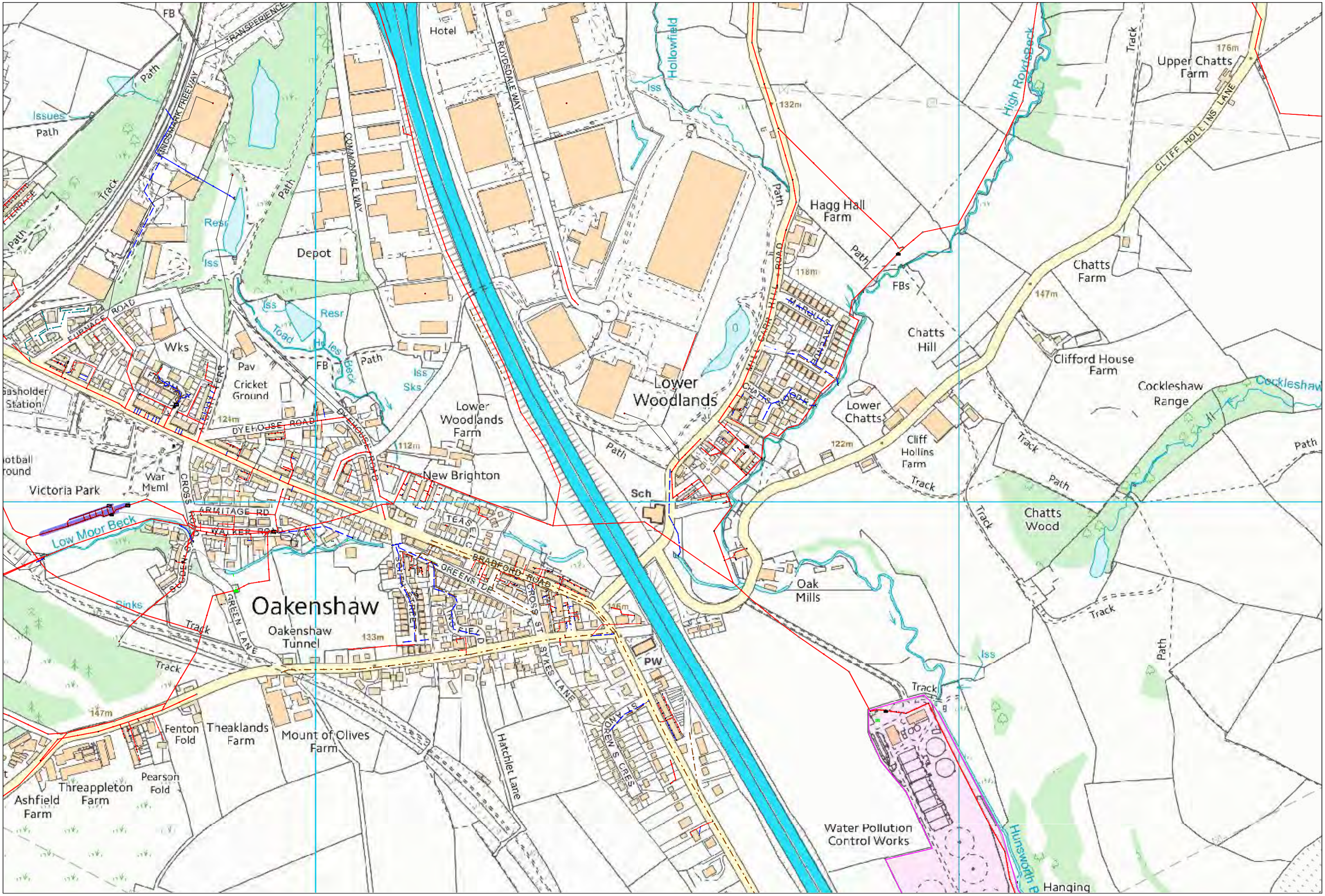
Internet : www.peterduffyltd.com

DRAWN BY		SCALE	DRAWING NO
INITIALS	DATE	AS SHOWN	3610-01
A.L	03/09/15		
AutoCAD BY			
INITIALS	DATE		
A.L	03/09/15	PROJECTION	
CHECKED BY			
INITIALS	DATE	ORIGINAL SHEET SIZE A1	DATE SEPTEMBER 2015
A.D	03/09/15		

\\LOFTHOUSE8\Departmental\Design\Drawings\Present Duffy Jobs\New\North Bierley Survey\Drawings\3610-01 North Bierley Survey Plan.dwg



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Hunsworth Great Wood
Hunsworth Lodge Farm
Hunsworth
Hunsworth Little Wood
Club House
Cleckheaton Golf Course
Junction 26
Weir
Ind Est
Playing Fields
Cricket and Bowling Club
Cricket Ground
Rugby Football Ground
Mills
Merchant Fields
Merchants Fields Farm
Hunsworth Bridge
Snelsins Farm
Snelsins Bridge
School
Playing Field
Flatt Lane Bridge
Recn Gd
Gas Holder Sta
Mill
Ind Cen
Lands Farm
Upper Brookhouse Farm
Whitechapel Middle School
The Royds
Nann Hall Beck
A58 WHITEHALL ROAD
A638 BRADFORD ROAD
MILL LANE
GREEN LANE
SNELSINS LANE
SNELSINS ROAD
HUNSWORTH LANE
CHAPEL HILL
HANGING WOOD DRIVE
LITTLE WOOD DRIVE
WESTROYD AVENUE
GREENROYD AVENUE
MARSH LANE
MARSH COURT
KIRKFIELD AVENUE
MAZEBROOK AVENUE
MAZEBROOK CRESCENT
CENTURION WAY
EXCHANGE STREET
EXCHANGE DRIVE
KESTREL WAY
CARRIED ST
LAW ST
HEATON STREET
107m
127m
94m
87m
82m
78m
93m
Sks
Issues
Sinks
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Track
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Cycle Track
Drain
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FB
Weir
M606
M62
A58
A638
B6121
Maz

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