KEY

- PRIVATE SURFACE WATER DRAIN
- PRIVATE SURFACE WATER DRAINAGE CHANNEL
- RAINWATER PIPE / RODDING EYE
- YARD GULLY
- 100 YEAR FLOOD FLOW PATH
- PRIVATE FOUL WATER DRAIN
- DRAINAGE CONNECTION / BACK INLET GULLY
- ACCESS CHAMBER
- ADOPTABLE SURFACE WATER SEWER
- ADOPTABLE SURFACE WATER MANHOLE
- ADOPTABLE FOUL WATER SEWER
- ADOPTABLE FOUL WATER MANHOLE
- ROAD GULLY AND LEAD
- SEWER EASEMENT
- SITE BOUNDARY

HIGHWAY NOTES:

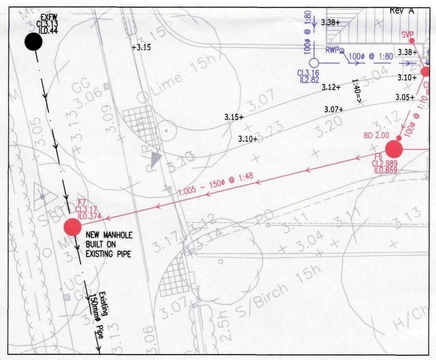
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THE MINIMUM LONGITUDINAL FALL FOR HIGHWAYS, WITHOUT CHANNEL BLOCKS SHOULD BE 1 IN 150, AND WITH CHANNEL BLOCKS 1 IN 250 (SEE CLAUSE 10.1 "DEVELOPMENT ROAD SPECIFICATION".)

RECONSTRUCTION OF EXISTING CARRIAGEWAY AND FOOTWAYS THAT ARE AFFECTED BY THESE DEVELOPMENT WORKS, ARE TO BE SPECIFIED AND AGREED BY THE SENIOR HIGHWAYS OFFICER PRIOR TO CONSTRUCTION.

ALL SIGNS AND LINE MARKINGS ARE TO BE AGREED WITH THE SENIOR HIGHWAYS OFFICER PRIOR TO CONSTRUCTION.

BT CHAMBERS AND ANGLIAN WATER METERS ARE NOT TO BE LOCATED WITHIN PEDESTRIAN CROSSING POINTS OR VEHICLE ACCESSES.



FOR CONTINUATION SEE EXTRACT ABOVE

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS, ARCHITECTS AND SPECIALISTS DRAWINGS AND THE SPECIFICATION.
2. DO NOT SCALE FROM THIS DRAWING MANUALLY OR ELECTRONICALLY. WRITTEN PERMISSION MUST BE OBTAINED FROM MLM PRIOR TO SCALING ELECTRONICALLY OR USING THIS ELECTRONIC FILE.
3. ALL WORK TO COMPLY WITH SEWERS FOR ADOPTION 6th EDITION.

CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2007

DESIGNERS HAZARD INFORMATION FOR CONSTRUCTION

1. IF YOU DO NOT FULLY UNDERSTAND THE RISKS INVOLVED DURING THE CONSTRUCTION OF THE ITEMS INDICATED ON THIS DRAWING ASK YOUR MANAGER, HEALTH & SAFETY ADVISOR OR A MEMBER OF THE DESIGN TEAM BEFORE PROCEEDING.
2. Existing services may exist on site. The contractor shall liaise with all relevant service companies and arrange for all services to be located, marked and protected.
3. Dralange works involve deep excavations and/or heavy plant/materials.
4. The contractor shall read and understand the soils report and be aware of any potential variations in soil conditions over the site.
5. The potential for danger to the general public and site personnel exists from works in the public highway. The contractor shall liaise with the highway authority and ensure that a safe method of working is maintained at all times.
6. Existing drainage pipes may be asbestos cement or fibre reinforced pipes, or concrete pipes containing asbestos fibre. Contractor to ensure competent staff adequately trained are engaged in the works, and disposal of any affected material is undertaken in line with current legislation and good practice guidelines.
7. The contractor is to be aware that overhead cables cross the site.
8. The contractor is to be aware that works involve working adjacent to or in existing watercourses.
9. Wors involve working in close proximity to an existing water main. The contractor is to ensure that this is fully located and protected during the works.

THE ABOVE NOTES REFER SPECIFICALLY TO THE INFORMATION SHOWN ON THIS DRAWING.
REFER TO THE HEALTH AND SAFETY PLAN FOR FURTHER INFORMATION.

Rev	Date	Description	Made	Checked
G	07.06.10	DRAINAGE UPDATED TO SUIT REVISED LAYOUT & RETAINING WALL ADDED	SJ	JEB
F	21.04.10	TOPO SURVEY UPDATED	DK	JEB
E	14.04.10	UPREVED FOR CONSTRUCTION	RR	DK
D	29.01.10	Updated to suit revised layout. Drainage moved closer to buildings at request of client.	DK	DK
C	15.01.10	Drainage design amended. Road amended to camber, private levels updated to suit.	DK	JEB
B	17.09.09	Updated to suit Highways and Anglian Water comments. Road 3 width amended, additional highway drainage added, notes added.	DK	JEB
A	05.06.09	Swales replaced with tank, drainage amended to avoid water main clash.Streetlighting added. Levels amended to suit revised road 1 gradient	DK	JEB

Drawing Status: **CONSTRUCTION**

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Consulting Civil, Structural & Building Services Engineers
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Website: www.mlm.uk.com
Cambridge * Chelmsford * Ipswich * London * Norwich.

Client: HILL PARTNERSHIPS

Project: BARRINGTON GATE
HOLBEACH
LINCOLNSHIRE

Drawing Title: ENGINEERING PLAN
1 OF 2

Drawn/Design	Checked	Approved	Date
DK	JEB	JEB	27.03.09

Scales	Drawing No.	Rev
1:200 @ A1	612976/C/100	G



KEY

- PRIVATE SURFACE WATER DRAIN
- PRIVATE SURFACE WATER DRAINAGE CHANNEL
- RAINWATER PIPE / RODDING EYE
- YARD GULLY
- HYDROBRAKE MANHOLE
- PRIVATE FOUL WATER DRAIN
- DRAINAGE CONNECTION / BACK INLET GULLY
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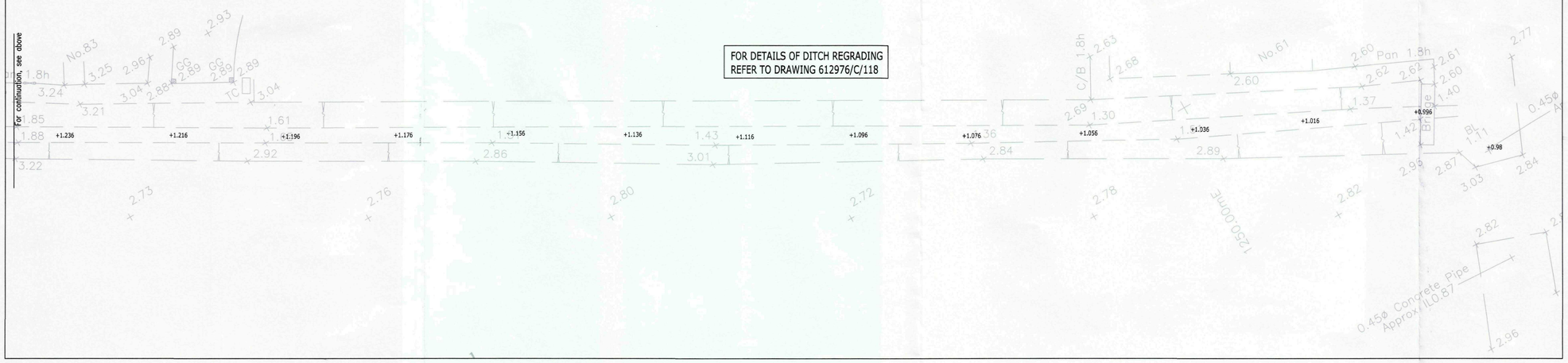
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SHDC
Planning & Development
5 OCT 2010
Ref: 0835-10

Rev	Date	Description	Made	Checked
K	05.08.10	Outdall at ditch amended. MH 6a added.	DK	JEB
J	07.06.10	Drainage updated to suit revised layout	SJ	JEB
H	18.05.10	MH S5 moved and MH S5A added Invert levels adjusted to suit	SJ	JEB
G	21.04.10	TOPO SURVEY UPDATED	DK	JEB
F	14.04.10	UPREVED FOR CONSTRUCTION	RR	DK
E	29.01.10	Updated to suit revised layout. Drainage moved closer to buildings at request of client.	DK	DK
D	25.01.10	Note regarding planting in easements added.	DK	JEB
C	15.01.10	Drainage design amended, extent of ditch regrading reduced	DK	JEB
B	17.09.09	Updated to suit Highways and Anglian Water comments	DK	JEB
A	05.06.09	Drainage amended to avoid water main.	DK	JEB

Drawing Status: CONSTRUCTION

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Cambridge * Chelmsford * Ipswich * London * Norwich.

Client: HILL PARTNERSHIPS

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HOLBEACH
LINCOLNSHIRE

Drawing Title: ENGINEERING PLAN
2 OF 2

Drawn/Design	Checked	Approved	Date
DK	JEB	JEB	27.03.09

Scales: 1:200 @ A1

Drawing No.: 612976/C/101

Rev: K