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0 10 20 30 50 100

SYMBOLS LEGEND

SHED / CYCLE STORE
- Dwellings w/ 1bed dwellings=storage for 1 cycle per dwelling
- 2 & 3 bed dwellings=storage for 2 cycles per dwelling
- 4+bed dwellings=storage for 4 cycles per dwelling

Size requirements
1 Cycle: 2m long X 0.75m wide
2 Cycles: 2m long X 1.5m wide
4 Cycles: 2m long X 2.3m wide

- Rate provision of cycle store per every dwelling

Size requirements
1 Cycle: 2m long X 0.75m wide

Where cycle storage is provided it is
shall a minimum of 1 light is required
Lighting is to be in addition to the
power circuit.
Secure entrance lock that complies
to BD 3671:2004
A steel fixing set in concrete which
allows both the wheel and frame to
be locked securely.

COMPOSTING BIN

Individual home composting facilities
to be provided to each dwelling.
All facilities must be:
- In a dedicated position
- accessible to disabled people
- have an information leaflet provided to each dwelling

WATER BUTT

water butt requirements for homes
with individual gardens
Capacity minimum of 200Litres
Communal Gardens
- minimum of 200Litres per communal garden with the following specification:
- no open access at the top of the collector (a childproof lid is allowed.)
- provision of a tap or other arrangement for drawing off water
- connection to the rain water down pipes
- with an automatic overflow into conventional rainwater drainage system
- a means of detaching the rainwater down pipe and access provision to enable cleaning of the interior must be provided with a stable and adequate support

GATE

1.8 high to provide a minimum clear opening of 850mm, fitted with anti lift hinges

WASTE DISPOSAL

Storage area for external bins
All containers must be accessible to disabled people
with at least 1500mm turning circle.

PATIO AREA

A minimum of 6 sq m

ROTARY DRYER

With a minimum of 6m line set into secure foundations for each dwelling.
Communal drying areas should be located within a secure area
and only accessible to the residents of the dwelling.

TURNING CIRCLE - Minimum 1500mm

CAR PARKING BAY - Minimum 2400mm X 4800mm

Street Lamps - 5M Post Tubular Galvanised Steel PPC RAL 9007 Finish

DW Windsor - Monaro luminaire with 90° post top mounting.
Finished in RAL 9007 textured metallic Grey
- with low profile toughened glass glazing.,
Fitted with a Diamond Optic® set to SON with control gear for
a 50w SON-T lamp and a 70 lux electronic photocell.

Column Post Top 5M Tubular Steel S/Door integral Root
Galvanised & Primer Finish

Wall Mounted Bulkhead Downlighter Lamp - Die-cast Aluminium body PPC RAL 9007 Finish

Fitting design/supplier details TBC

Oval visor in die-cast aluminium housing with high corrosion resistance.
Aluminium reflector housing - IP 54 rated
Vandalproof opal polycarbonate diffuser

EXISTING TREE RETAINED

NEW TREE (to be pruned up to minimum height of 2m)

ENCLOSURES TYPE LEGEND

FENCE TYPE 01 -
1800MM HIGH TREATED CLOSEBOARD FENCE
WITH 300MM HIGH TREATED TRELLIS OVER

FENCE TYPE 02 -
1800MM HIGH TREATED CLOSEBOARD FENCE / PRIVACY SCREEN
2000MM LONG RUN ADJACENT TO PROPERTY

FENCE TYPE 03 -
1200MM HIGH TREATED CLOSEBOARD FENCE
WITH 600MM HIGH TREATED TRELLIS OVER

FENCE TYPE 04 -
1800MM HIGH TREATED CLOSEBOARD FENCE / PRIVACY SCREEN
TO PERIMETER OF DEVELOPMENT & BIN STORE AREAS
(SUPPORT RAILS TO FACE PROPERTY)

FENCE TYPE 05 -
KEE BAR TREATED SOFTWOOD BARRIER

FENCE TYPE 06 -
1200MM HIGH PPC METALTUBULAR BOWTOP - BLACK
GALVANIZED FINISH AS STANDARD TO BS EN 1461
WITH MATCHING GATES

WALLED GARDEN -
1800MM HIGH GARDEN WALL
WITH SOLDIER COURSE CAPPING

GENERAL NOTE -
REAR GARDENS TO INCLUDE THE FOLLOWING -
6 SQM OF PATIO SPACE
ROTARY CLOTHES LINE
COMPOSTING BIN
WASTER RECYCLE BINS
GARDEN SHED (TO INCLUDED CYCLE STORE PROVISION)

Rev	date	description	initials
F	19/02/10	Rev'd in line with Sec by Design comments	gig
E	19/02/10	Outline of Plot 1 updated in line with client instruction	LM
D	17/02/10	Path layout revised adj.plot 1 garage, Plot 2 handed in line with client comments	gig
C	10/02/10	Fence notes revised + street lamps locations added in line client comments Path layout revised to site entrance - As advised by SHDC Highways	WL
B	25/01/10	Site plan updated in line client comments	WL
A	20/01/10	Preliminary - For client review/comment	WL

Hills Office use only

Hill Partnerships

DRAWING STATUS

NO COMMENTS	A
WITH COMMENTS	B
NOT FOR PRODUCTION	C

SIGNED

Richard Pike Associates
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e. info@richardpike.co.uk
www.richardpike.co.uk
exor ACCREDITED CONTRACTOR

Project Details

Barrington Gate
Holbeach

Development
24 FEB 2010

Client

Hills Partnerships Ltd

Drawing

Site Enclosures Plan

Date

January 2010

Scales

1/500 @A1

Drawn WL

Checked xx

Issue status

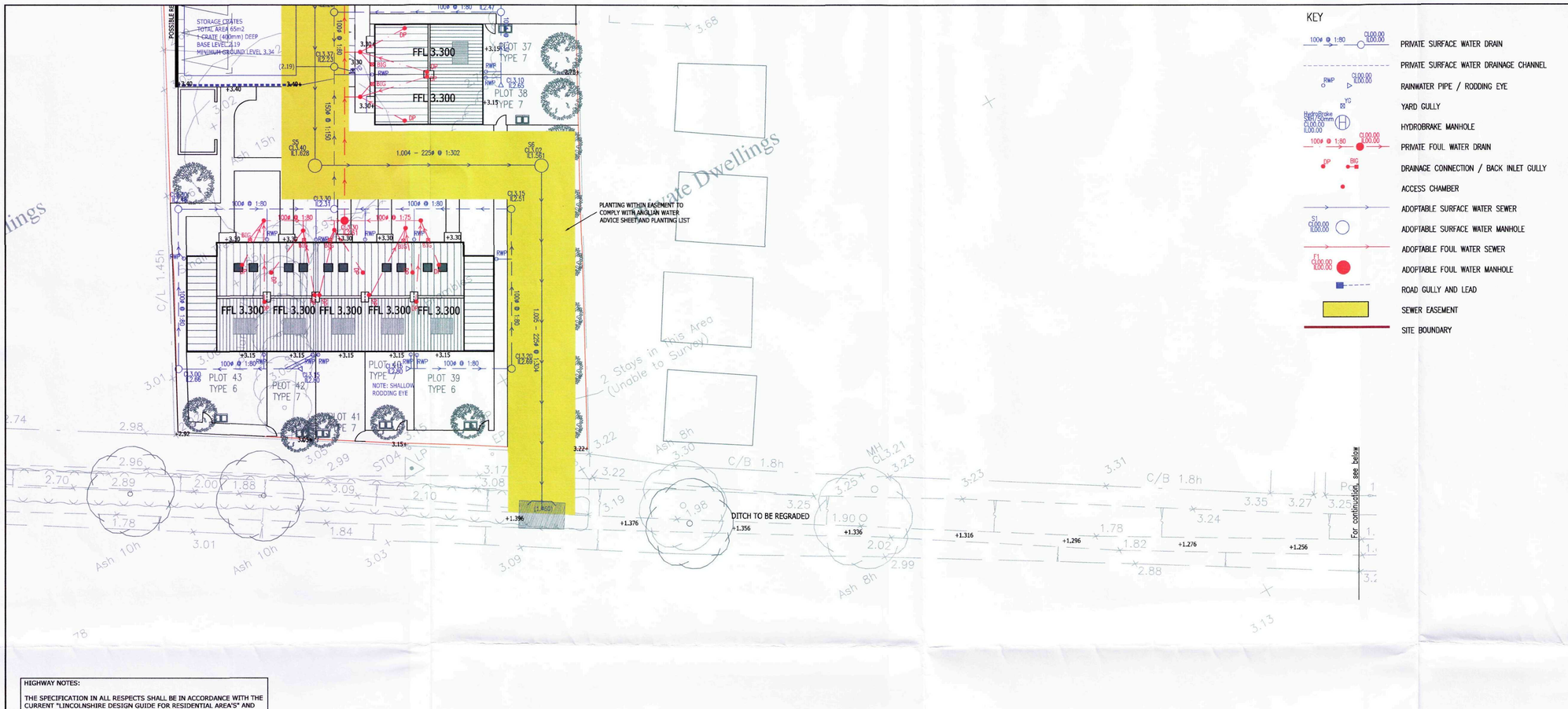
Provisional Construction

Drawing No.

6840 - 300

All dimensions must be site checked and not scaled from this drawing

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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
- 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

NOTES

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3. ALL WORK TO COMPLY WITH SEWERS FOR ADOPTION 6th EDITION

CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2007

DESIGNERS HAZARD INFORMATION FOR CONSTRUCTION

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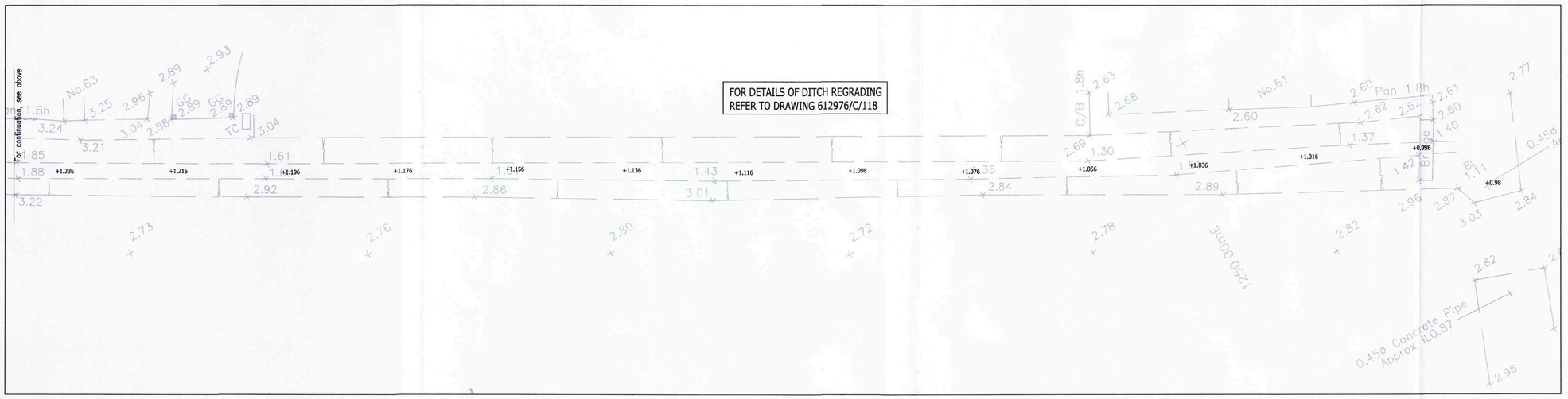
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SHDC Planning & Development
24 FEB 2010
Ref: 614510

Rev	Date	Description	Made	Checked
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: PRELIMINARY

MLM

Consulting Civil, Structural & Building Services Engineers
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Tel: 01233 610530 Fax: 01233 618299
Website: www.mlm.uk.com
Cambridge * Chelmsford * Ipswich * London * Norwich.

Client: HILL PARTNERSHIPS

Project: BARRINGTON GATE
HOLBEACH
LINCOLNSHIRE

Drawing Title: ENGINEERING PLAN
2 OF 2

Drawn/Design	Checked	Approved	Date
DK	JEB	JEB	27.03.09

Scales	Drawing No.	Rev
1:200 @ A1	612976/C/101	E

KEY

- PRIVATE SURFACE WATER DRAIN
- PRIVATE SURFACE WATER DRAINAGE CHANNEL
- RAINWATER PIPE / RODDING EYE
- YARD GULLY
- 100 YEAR FLOOD FLOW PATH
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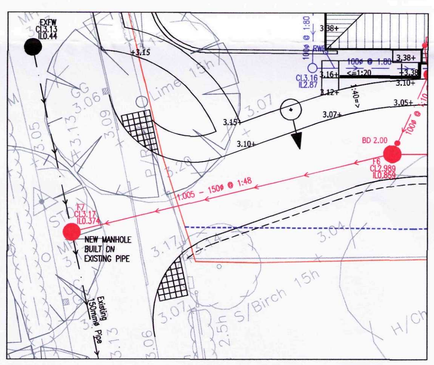
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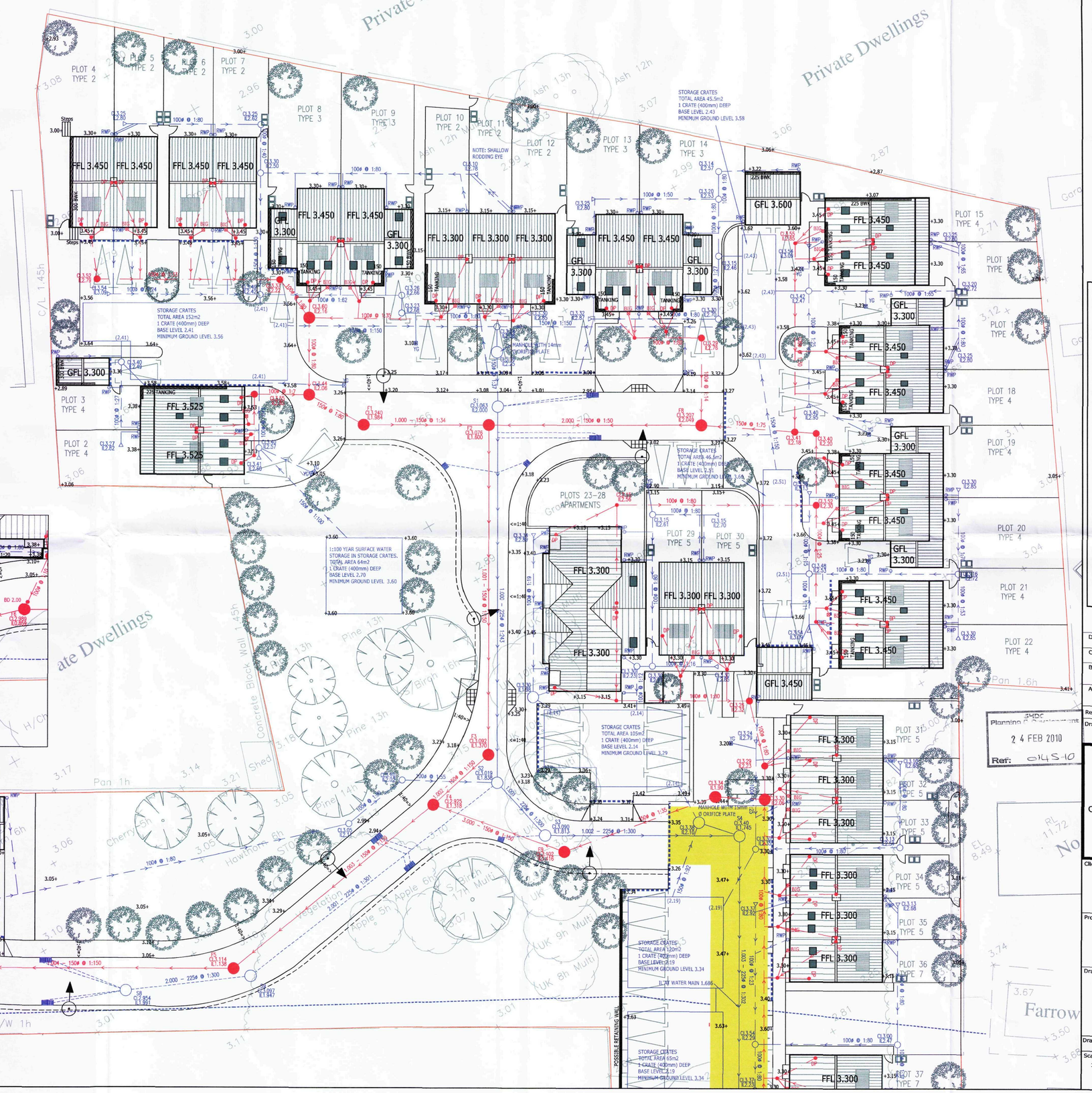
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Rev	Date	Description	Made	Checked
D	29.01.10	Updated to suit revised layout. Drainage moved closer to buildings at request of client.	DK	DK
C	15.01.10	Drainage design amended. Road amended to camber, private levels updated to suit.	DK	JEB
B	17.09.09	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: PRELIMINARY

Planning Consultation
24 FEB 2010
Ref: 0145-10

MLM
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190 Eureka Park, Upper Pemberton, Ashford TN25 4AZ
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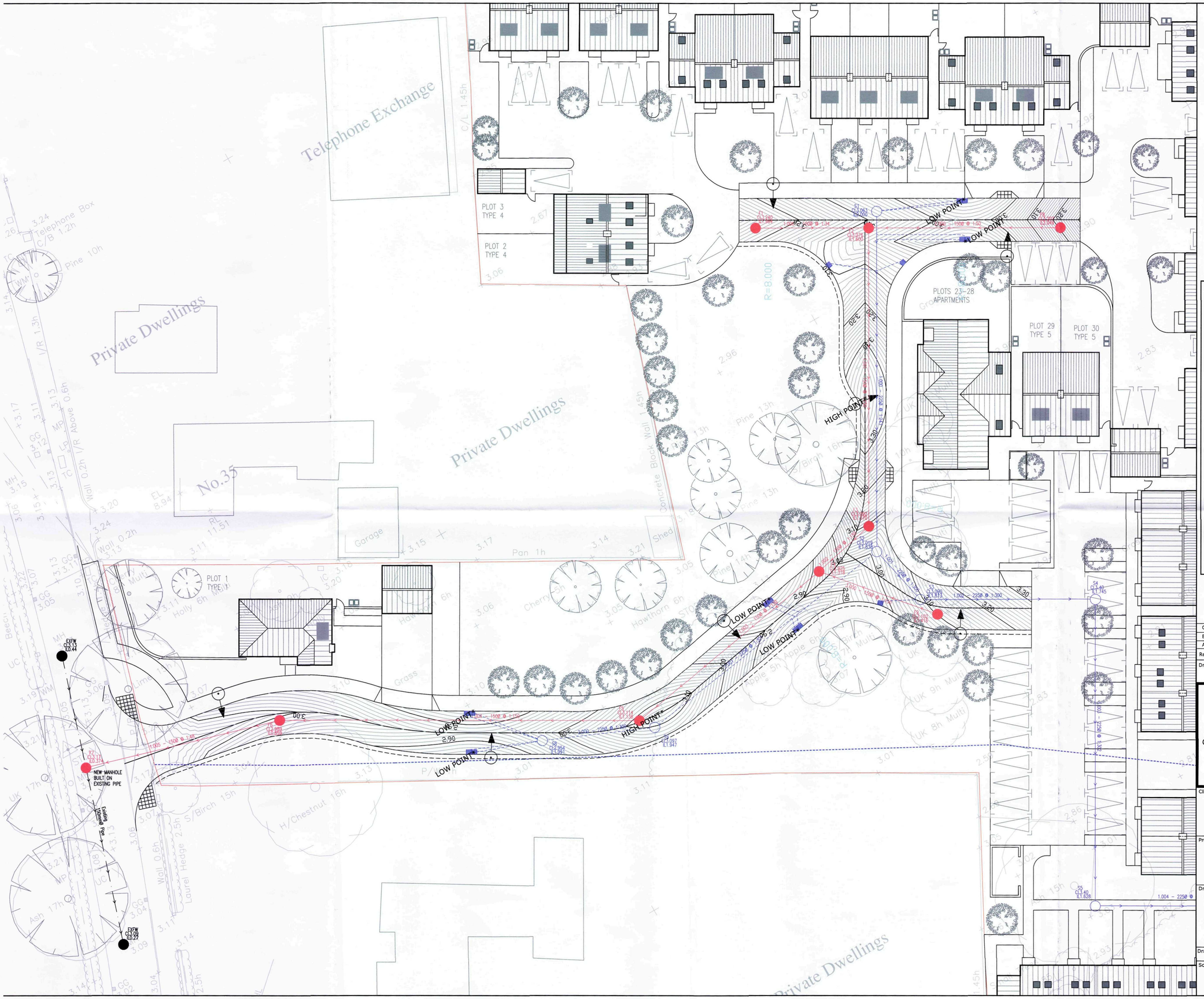
Client: HILL PARTNERSHIPS

Project: BARRINGTON GATE
HOLBEACH
LINCOLNSHIRE

Drawing Title: ENGINEERING PLAN
1 OF 2

Drawn/Design	Checked	Approved	Date
DK	JEB	JEB	27.03.09

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



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Planning
24 FEB 2010
Ref: 0145-10

Rev	Date	Description	Made	Che
C	15.01.10	Updated to suit revised road design	DK	JE
B	17.09.09	Updated to suit Highways comments	DK	JE
A	05.06.09	Contours amended to suit new gradient	DK	JE

Drawing Status: PRELIMINARY

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Cambridge * Chelmsford * Ipswich * London * Norwich.

Client: HILL PARTNERSHIPS

Project: BARRINGTON GATE
HOLBEACH
LINCOLNSHIRE

Drawing Title: ADOPTABLE ROADS
CONTOURS

Drawn/Design	Checked	Approved	Date
DK	JEB	JEB	27.03.09

Scales	Drawing No.	Rev
1:200 @ A1	612976/C/104	C

HIGHWAY NOTES:

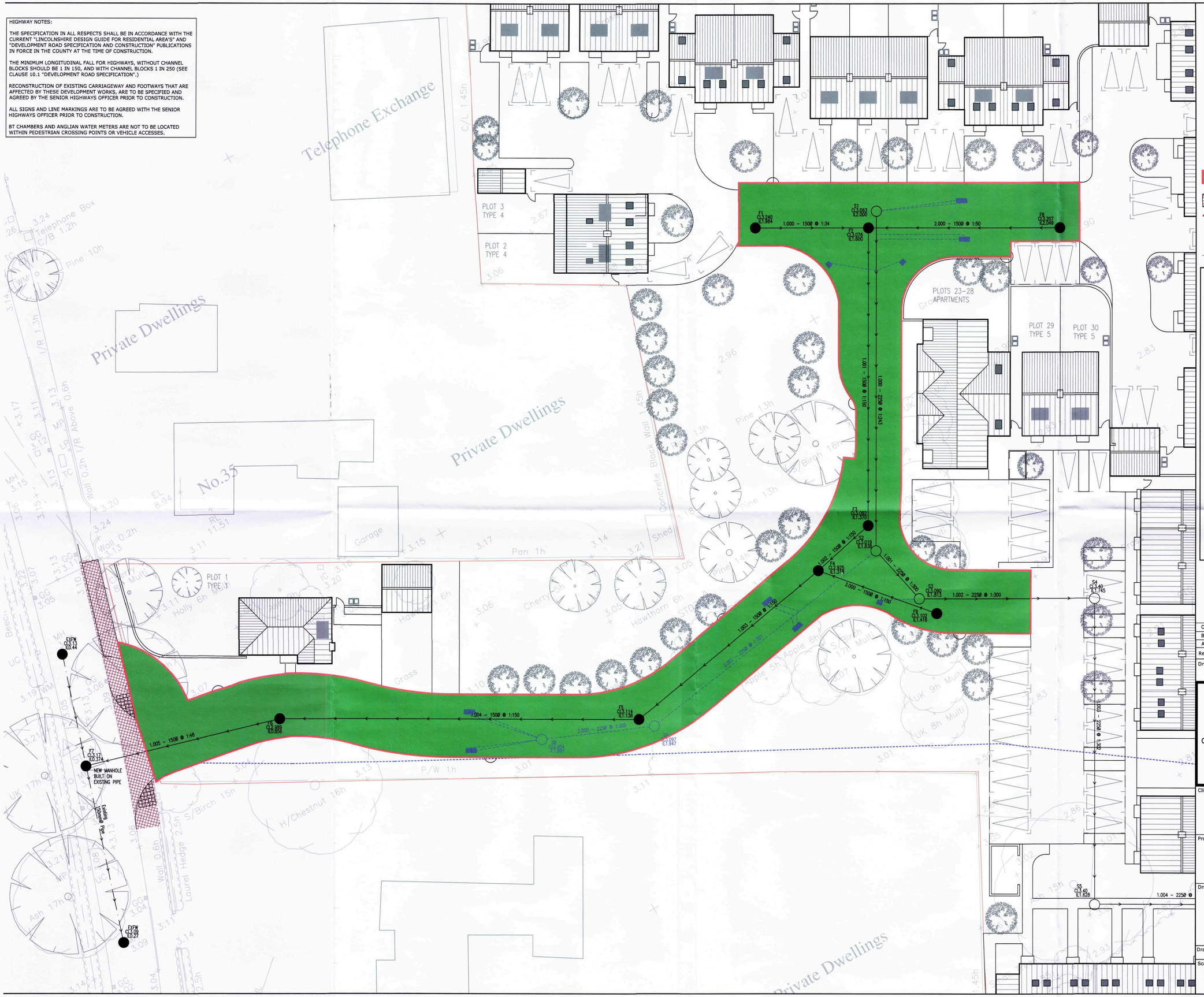
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KEY

- AREA OFFERED FOR ADOPTION
- WORKS WITHIN EXISTING HIGHWAY
- SITE BOUNDARY
- PROPOSED STREET LIGHTING COLUMN
- HIGHWAY DRAINAGE

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Planning Department
24 FEB 2010
Ref: S145-10

Rev	Date	Description	Made	Che
C	15.01.10	Updated to suit revised road design	DK	JE
B	17.09.09	Updated to suit highways comments	DK	JE
A	05.06.09	Street lighting and hatching added.	DK	JE

Drawing Status: PRELIMINARY

MLM

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Client: HILL PARTNERSHIPS

Project: BARRINGTON GATE
HOLBEACH
LINCOLNSHIRE

Drawing Title: SECTION 38 ADOPTION PLAN

Drawn/Design	Checked	Approved	Date
DK	JEB	JEB	27.03.09

Scales	Drawing No.	Rev
1:200 @ A1	612976/C/105	C

HIGHWAY NOTES:

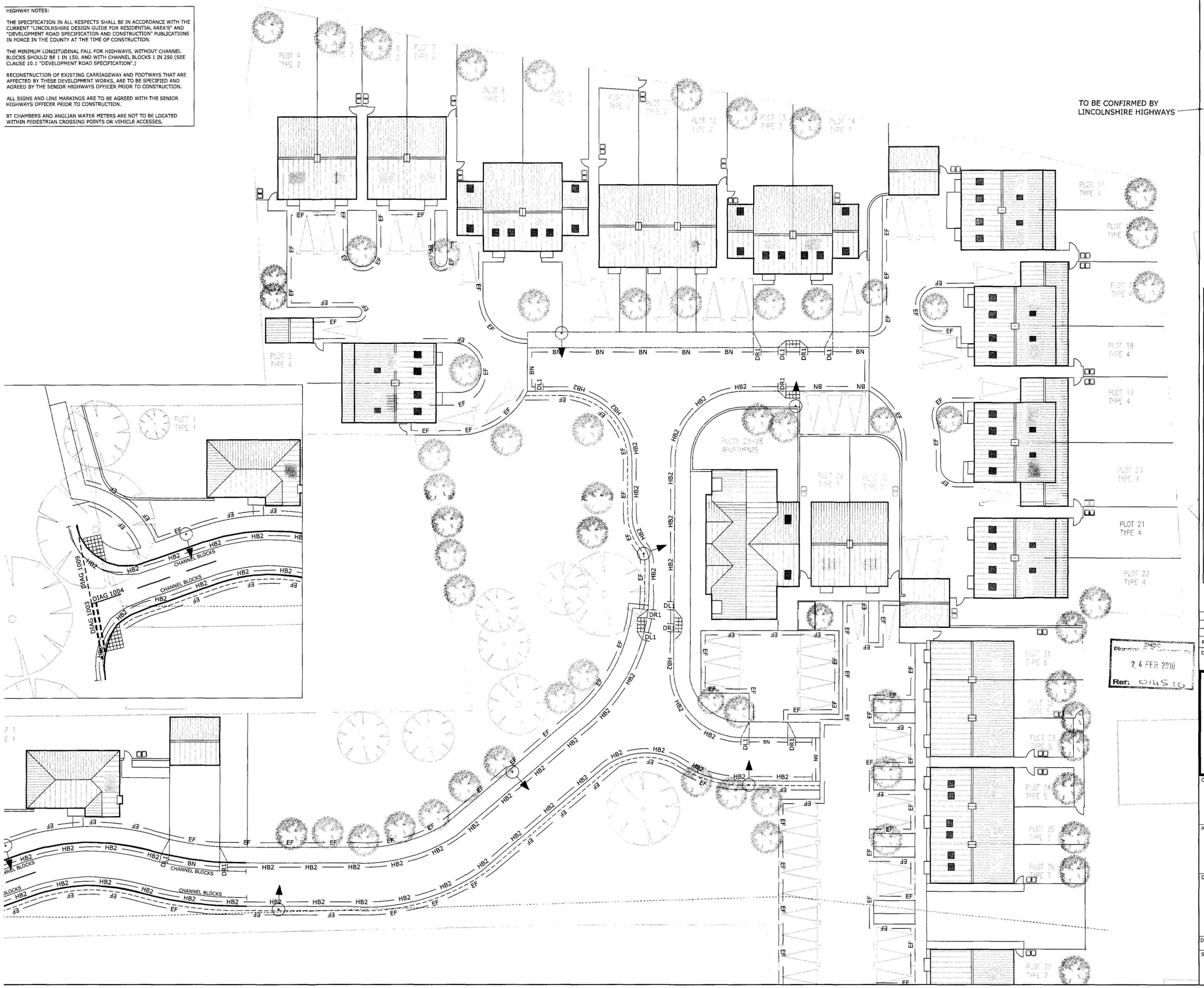
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KEY

	ADOPTABLE CARRIAGEWAY
	ADOPTABLE CARRIAGEWAY (REDUCED CONSTRUCTION) — SEE D 106
	ADOPTABLE FOOTWAY
	ADOPTABLE VEHICLE CROSSOVER
	PRIVATE PARKING AREAS — SEE D 115
	600mm x 600mm PAVING SLABS
HB2	HB2 KERB (125mm UPSTAND)
BN	BN KERB (25mm UPSTAND FOR VEHICLE CROSSOVERS, 6MM FOR PEDESTRIAN CROSSINGS)
EF	EF EDGING (0mm UPSTAND)
	TACTILE PAVING
DR1 / DL1	DROPPER KERB

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Rev	Date	Description	Made	Che
C	15.01.10	Updated to suit revised road design	DK	JE
B	17.09.09	Updated to suit Highways comments	DK	JE
A	05.06.09	CDM Notes added.	DK	JE

Drawing Status: PRELIMINARY

Planning
24 FEB 2010
Ref: 0145 16

MLM

Consulting Civil, Structural & Building Services Enginee
190 Eureka Park, Upper Pemberton, Ashford TN25 4AZ
Tel: 01233 610530 Fax: 01233 618299
Website: www.mlm.uk.com
Cambridge * Chelmsford * Ipswich * London * Norwich.

Client
HILL PARTNERSHIPS

Project
BARRINGTON GATE
HOLBEACH
LINCOLNSHIRE

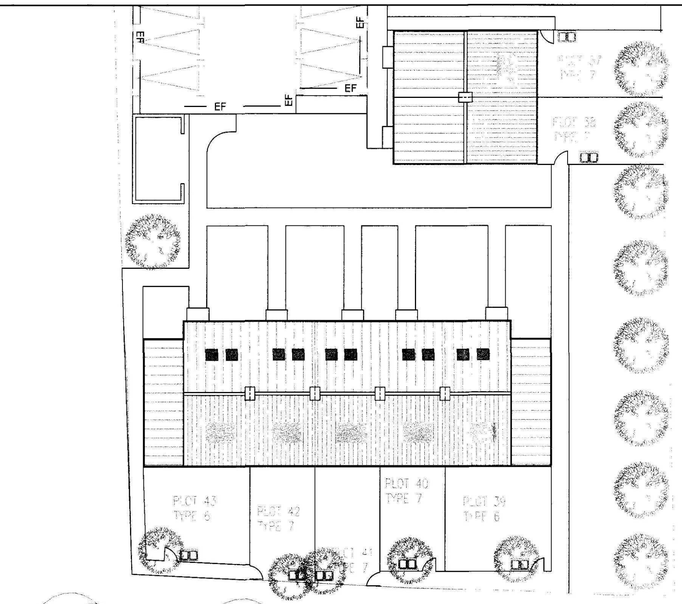
Drawing Title
CONSTRUCTION PLAN
1 OF 2

Drawn/Design	Checked	Approved	Date
DK	JEB	JEB	27.03.09

Scales: 1:200 @ A1

Drawing No.: 612976/C/113

Rev: C



HIGHWAY NOTES:

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TO BE CONFIRMED BY LINCOLNSHIRE HIGHWAYS

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KEY

- ADOPTABLE CARRIAGEWAY
- ADOPTABLE CARRIAGEWAY (REDUCED CONSTRUCTION) — SEE D 106
- ADOPTABLE FOOTWAY
- ADOPTABLE VEHICLE CROSSOVER
- PRIVATE PARKING AREAS
- 600mm x 600mm PAVING SLABS — SEE D 115
- HB2 — HB2 KERB (125mm UPSTAND)
- BN — BN KERB (25mm UPSTAND FOR VEHICLE CROSSOVERS, 6MM FOR PEDESTRIAN CROSSINGS)
- EF — EF EDGING (0mm UPSTAND)
- TACTILE PAVING
- DR1 / DL1 — DROPPER KERB

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Planning & Development
24 FEB 2010
Ref: S145-10

Rev	Date	Description	Made	Che
B	17.09.09	Updated to suit Highways comments.	DK	JE
A	05.06.09	CDM Notes added	DK	JE

Drawing Status: PRELIMINARY

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Cambridge * Chelmsford * Ipswich * London * Norwich.

Client: HILL PARTNERSHIPS

Project: BARRINGTON GATE
HOLBEACH
LINCOLNSHIRE

Drawing Title: CONSTRUCTION PLAN
2 OF 2

Drawn/Design	Checked	Approved	Date
DK	JEB	JEB	27.03.09

Scales: 1:200 @ A1

Drawing No.: 612976/C/114

Rev: B

Master Alignment : ROAD1 Chainage 0.000 to 128.750

Geometry

IP	Easting	Northing	Curve Type	Radius	IP to IP Length	Bearing	Deviation Angle	Tangent Lengths Before	After	Straight Length
	1004.935	1495.276								
					21.237	100.30816				14.078
1	1025.830	1491.476	1 RH	22.500			35.30010	7.159	7.159	
					12.784	135.60826				0.000
2	1034.773	1482.341	1 LH	40.500			15.81338	5.625	5.625	
					28.071	119.79488				14.783
3	1059.133	1468.392	1 LH	21.000			40.09754	7.664	7.664	
					33.589	79.69734				18.928
4	1092.180	1474.400	1 LH	15.000			50.01281	6.997	6.997	
					37.628	29.68453				30.631
	1110.814	1507.089								

(Bearings clockwise from grid North)

Circular Curve Types

Plain circular	Type 1
Circular with transition(s)	Type 2
Compound curve, smaller radius	Type 3
Compound curve, larger radius	Type 4

Master Alignment : ROAD1 Chainage 0.000 to 128.750

Tangent Points - Grid Coordinates and Chainages

IP	Start Circular Arc Easting	Northing	Chainage	Midpoint Circular Arc Easting	Northing	Chainage	End Circular Arc Easting	Northing	Chainage
				1004.935	1495.276	0.000			
1	1018.786	1492.757	14.078	1025.309	1490.494	21.009	1030.838	1486.360	27.941
2	1030.838	1486.360	27.941	1035.011	1482.648	33.530	1039.654	1479.546	39.118
3	1052.483	1472.200	53.901	1059.362	1469.727	61.249	1066.673	1469.763	68.598
4	1085.296	1473.148	87.526	1091.283	1475.666	94.073	1095.645	1480.478	100.619
				1110.814	1507.089	131.250			

Master Alignment : ROAD1 Chainage 0.000 to 128.750

Master Alignment Coordinates & Levels at Chainage Interval 10.00

Chainage	Easting	Northing	Level	Bearing	Radius	Gradient(%)
0.000	1004.935	1495.276	3.085	100.30816		-0.40
10.000	1014.774	1493.486	3.045	100.30816		-0.40
14.078	1018.786	1492.757	3.028	100.30816		-0.40
20.000	1024.407	1490.947	3.005	115.38770	22.500	-0.40
27.941	1030.838	1486.360	2.973	135.60826	22.500	-0.40
30.000	1032.316	1484.926	2.965	132.69480	40.500	-0.40
39.118	1039.654	1479.546	2.928	119.79488	40.500	-0.40
40.000	1040.419	1479.108	2.925	119.79488		-0.27
50.000	1049.097	1474.139	2.981	119.79488		1.25
53.901	1052.483	1472.200	3.029	119.79488		1.25
60.000	1058.138	1469.975	3.106	103.15471	21.000	1.25
68.598	1066.673	1469.763	3.095	79.69734	21.000	-1.52
70.000	1068.053	1470.014	3.070	79.69734		-1.98
80.000	1077.892	1471.802	2.895	79.69734		-0.74
87.526	1085.296	1473.148	2.931	79.69734		1.71
90.000	1087.683	1473.789	2.983	70.24683	15.000	2.25
100.000	1095.327	1479.947	3.208	32.04964	15.000	2.25
100.619	1095.645	1480.478	3.222	29.68453	15.000	2.25
110.000	1100.291	1488.628	3.363	29.68453		0.20
120.000	1105.243	1497.315	3.239	29.68453		-2.24
128.750	1109.576	1504.917	3.043	29.68453		-2.24

Master Alignment : ROAD1 Chainage 0.000 to 128.750

Carriageway Coordinates and Levels at Chainage Interval 10.00

Chainage	Left Channel Easting	Northing	Level	Crown Easting	Northing	Level	Right Channel Easting	Northing	Level
0.000	1006.595	1504.401	3.103	1004.935	1495.276	3.085	1004.089	1490.620	3.075
10.000	1015.221	1495.946	2.982	1014.774	1493.486	3.045	1014.327	1491.027	2.982
20.000	1025.475	1493.197	2.943	1024.407	1490.947	3.005	1023.329	1488.675	2.942
30.000	1034.015	1486.767	2.902	1032.316	1484.926	2.965	1030.631	1483.100	2.903
40.000	1041.661	1481.277	2.863	1040.419	1479.108	2.925	1039.177	1476.938	2.863
50.000	1050.339	1476.308	2.918	1049.097	1474.139	2.981	1047.855	1471.969	2.918
60.000	1058.709	1472.419	3.043	1058.138	1469.975	3.106	1057.572	1467.555	3.044
70.000	1067.606	1472.475	3.008	1068.053	1470.014	3.070	1068.500	1467.554	3.008
80.000	1077.445	1474.262	2.832	1077.892	1471.802	2.895	1078.339	1469.343	2.832
90.000	1086.820	1476.191	2.919	1087.683	1473.789	2.983	1088.527	1471.440	2.920
100.000	1094.188	1480.660	3.174	1095.327	1479.947	3.208	1097.422	1478.635	3.146
110.000	1099.717	1488.955	3.347	1100.291	1488.628	3.363	1102.463	1487.390	3.301
120.000	1103.071	1498.553	3.176	1105.243	1497.315	3.239	1107.415	1496.077	3.176
120.748	1103.441	1499.203	3.160	1105.613	1497.965	3.222	1107.785	1496.727	3.160
128.748				1109.575	1504.915	3.043			

Master Alignment : ROAD2 Chainage 0.000 to 20.835

Geometry

IP	Easting	Northing	Curve Type	Radius Length	IP to IP Angle	Bearing Before	Deviation After	Tangent Lengths Length	Straight
	1105.401	1458.511							
				12.337	300.11600			9.142	
1	1094.730	1464.701	1 RH	10.500		33.84335	3.194	3.194	
				11.185	333.95934			7.990	
	1089.820	1474.751							

(Bearings clockwise from grid North)

Circular Curve Types

Plain circular	Type 1
Circular with transition(s)	Type 2
Compound curve, smaller radius	Type 3
Compound curve, larger radius	Type 4

Master Alignment : ROAD2 Chainage 0.000 to 20.835

Tangent Points - Grid Coordinates and Chainages

IP	Start Circular Arc Easting	Northing	Chainage	Midpoint Circular Arc Easting	Northing	Chainage	End Circular Arc Easting	Northing	Chainage
				1105.401	1458.511	0.000			
1	1097.493	1463.098	9.142	1095.078	1465.025	12.243	1093.327	1467.571	15.345
				1089.820	1474.751	23.335			

Master Alignment : ROAD2 Chainage 0.000 to 20.835

Master Alignment Coordinates & Levels at Chainage Interval 10.00

Chainage	Easting	Northing	Level	Bearing	Radius	Gradient(%)
0.000	1105.401	1458.511	3.283	300.11600		-1.50
9.142	1097.493	1463.098	3.146	300.11600		-1.50
10.000	1096.770	1463.559	3.133	304.79570	10.500	-1.50
15.345	1093.327	1467.571	3.053	333.95934	10.500	-1.50
20.000	1091.284	1471.754	2.983	333.95934		-1.50
20.835	1090.917	1472.505	2.971	333.95934		-1.50

Master Alignment : ROAD2 Chainage 0.000 to 20.835

Carriageway Coordinates and Levels at Chainage Interval 10.00

Chainage	Left Channel Easting	Northing	Level	Crown Easting	Northing	Level	Right Channel Easting	Northing	Level
0.000	1104.147	1456.349	3.227	1105.401	1458.511	3.283	1106.656	1460.674	3.339
10.000	1095.343	1461.506	3.077	1096.770	1463.559	3.133	1098.196	1465.612	3.189
14.965	1091.295	1466.055	3.002	1093.500	1467.233	3.059	1095.705	1468.411	3.115
20.000				1091.284	1471.754	2.983			
20.835				1090.917	1472.505	2.971			

Master Alignment : ROAD3 Chainage 0.000 to 39.702

Geometry

IP	Easting	Northing	Curve Type	Radius Length	IP to IP Angle	Bearing Before	Deviation After	Tangent Lengths Length	Straight
	1098.101	1514.332							
				39.702	119.67074			39.702	
	1132.597	1494.679							

(Bearings clockwise from grid North)

Circular Curve Types

Plain circular	Type 1
Circular with transition(s)	Type 2
Compound curve, smaller radius	Type 3
Compound curve, larger radius	Type 4

Master Alignment : ROAD3 Chainage 0.000 to 39.702

Tangent Points - Grid Coordinates and Chainages

IP	Start Circular Arc Easting	Northing	Chainage	Midpoint Circular Arc Easting	Northing	Chainage	End Circular Arc Easting	Northing	Chainage
				1098.101	1514.332	0.000			
				1132.597	1494.679	39.702			

Master Alignment : ROAD3 Chainage 0.000 to 39.702

Master Alignment Coordinates & Levels at Chainage Interval 10.00

Chainage	Easting	Northing	Level	Bearing	Radius	Gradient(%)
0.000	1098.101	1514.332	3.288	119.67074		-1.25
10.000	1106.790	1509.382	3.163	119.67074		-1.25
20.000	1115.478	1504.432	3.038	119.67074		-1.25
30.000	1124.167	1499.482	3.011	119.67074		1.75
39.702	1132.597	1494.679	3.307	119.67074		3.33

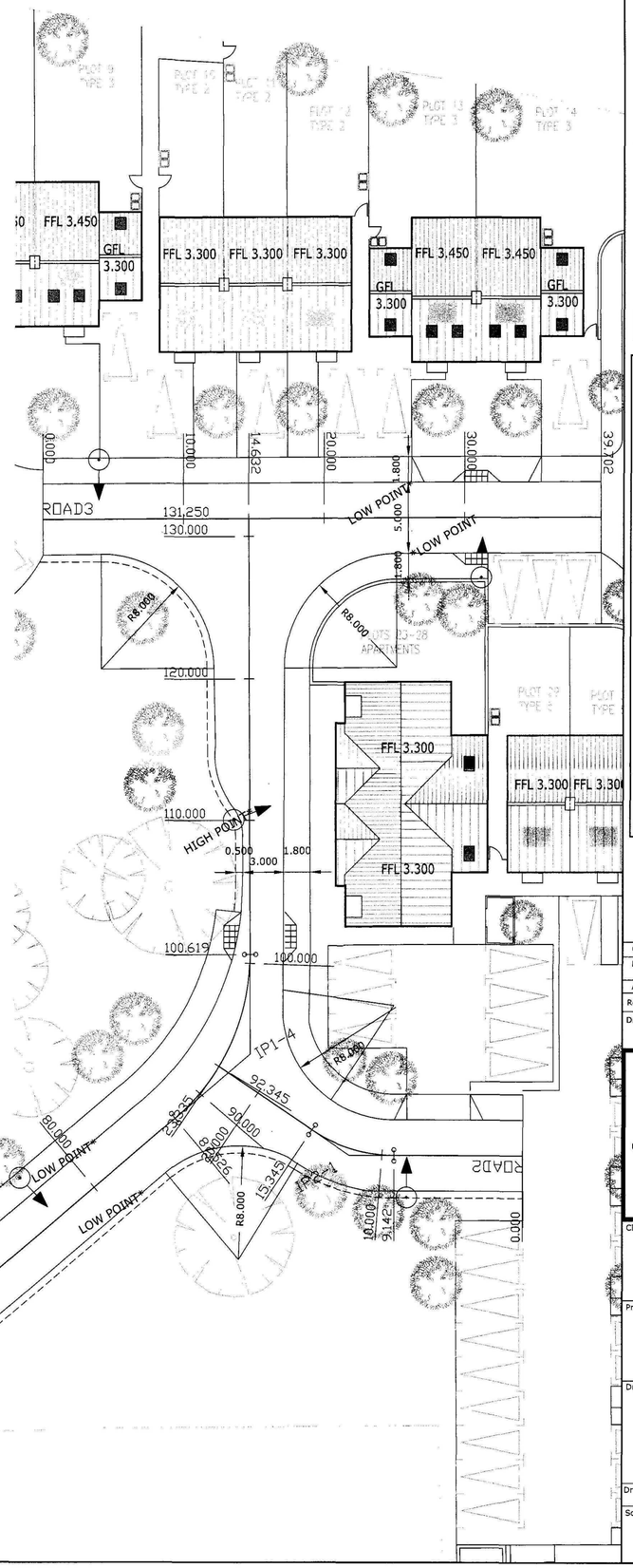
Master Alignment : ROAD3 Chainage 0.000 to 39.702

Carriageway Coordinates and Levels at Chainage Interval 10.00

Chainage	Left Channel Easting	Northing	Level	Crown Easting	Northing	Level	Right Channel Easting	Northing	Level
0.000	1099.338	1516.505	3.226	1098.101	1514.332	3.288	1096.863	1512.160	3.226
10.000	1108.027	1511.554	3.101	1106.790	1509.382	3.163	1105.552	1507.210	3.101
20.000	1116.716	1506.604	2.976	1115.478	1504.432	3.038	1114.241	1502.260	2.976
30.000	1125.405	1501.654	2.949	1124.167	1499.482	3.011	1122.930	1497.310	2.949
39.702	1133.835	1496.852	3.244	1132.597	1494.679	3.307	1131.360	1492.507	3.244

Control Coordinate Schedule

Station	Eastings	Northings	Level	Description
CT01	1000.000	1500.000	3.155	Hilti Nail
CT02	1073.293	1477.882	3.331	Peg/Nail
CT03	1122.362	1449.047	2.995	Peg/Nail
CT04	1088.956	1397.296	3.135	Hilti Nail
CT05	990.788	1456.663	3.033	Hilti Nail



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REFER TO THE HEALTH AND SAFETY PLAN FOR FURTHER INFORMATION.

Planning
24 FEB 2010
Ref: 612/45.10

Rev	Date	Description	Made	Che
C	15.01.10	Updated to suit revised road design	DK	JE
B	17.09.09	Updated to suit comments from Highways, Road 3 width amended.	DK	JE
A	05.06.09	Road 1 gradient amended, setting out updated	DK	JE

Drawing Status: PRELIMINARY

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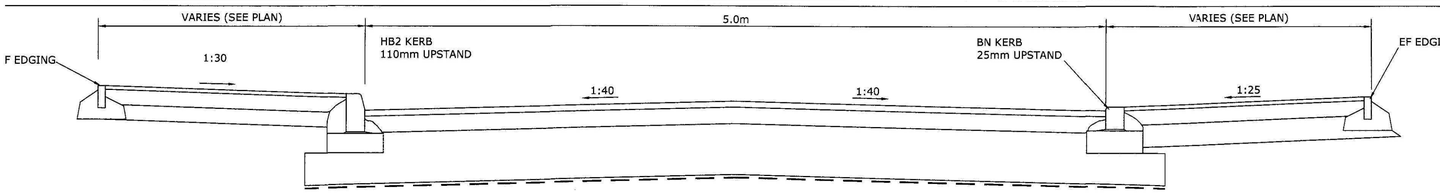
Client
HILL PARTNERSHIPS

Project
BARRINGTON GATE
HOLBEACH
LINCOLNSHIRE

Drawing Title
ADOPTABLE ROADS
SETTING OUT

Drawn/Design	Checked	Approved	Date
DK	JEB	JEB	27.03.09

Scales: 1:200 @ A1
Drawing No.: 612976/C/102
Rev: C



BLACKTOP FOOTWAY CONSTRUCTION

SURFACE COURSE	25mm THICK DBM TO BS EN 13108-1 AC 6 DENSE SURF 100/150
BASE COURSE	100mm THICK DBM TO BS EN 13108-1 AC 20 DENSE BASE 100/150 LAID IN 2 LAYERS
SUB-BASE	100mm THICK TYPE 1 GRANULAR MATERIAL TO DoT SPECIFICATION CLAUSE 803

BLACKTOP CARRIAGEWAY CONSTRUCTION

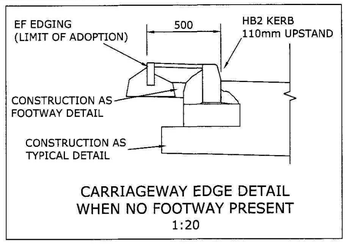
SURFACE COURSE	40mm THICK DBM TO BS EN 13108-1 AC 10 DENSE SURF 100/150
BASE COURSE	110mm THICK DBM TO BS EN 13108-1 AC 32 DENSE BASE 100/150
SUB-BASE	340mm TYPE 1 TERRAM 1000 or SIMILAR APPROVED GEO-TEXTILE MEMBRANE

CBR (%)	TYPE 1 SUB-BASE	6F5 CAPPING
<1.5	300	410
1.5	440	-
2	340	-
3	300	-
4	300	-
5	300	-
6-15	300	-
ABOVE 15	300	-

BLACKTOP VEHICLE CROSSOVER CONSTRUCTION

SURFACE COURSE	25mm THICK DBM TO BS EN 13108-1 AC 6 DENSE SURF 100/150
BASE COURSE	100mm THICK DBM TO BS EN 13108-1 AC 20 DENSE BASE 100/150 LAID IN 2 LAYERS
SUB-BASE	150mm THICK TYPE 1 GRANULAR MATERIAL TO DoT SPECIFICATION CLAUSE 803

TYPICAL ROAD CONSTRUCTION DETAIL
1:20
DEPTHS BASED ON A CBR OF 2%. FOR DEPTHS AT OTHER CBR VALUES REFER TO TABLE

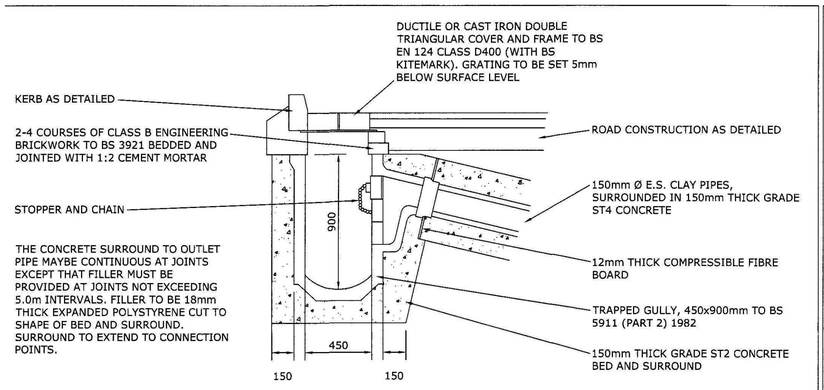


CARRIAGEWAY EDGE DETAIL
WHEN NO FOOTWAY PRESENT
1:20

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ROAD GULLY DETAIL
1:20

NOTES

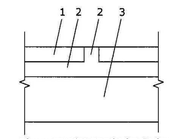
1. COLOUR - BUFF OR CONTRASTING COLOUR, OTHER THAN RED, FOR UNCONTROLLED CROSSINGS.

2. MATERIALS - THE TACTILE SURFACE MAY BE CONSTRUCTED FROM ANY MATERIAL SUITABLE FOR PAVING FOOTWAY SURFACES.

THE ACTUAL DEPTH OF THE SLAB WILL BE RELATED TO THE MATERIALS USED TO CONSTRUCT THE MODULES.

MODULE TYPE	SIZE	PITCH DIM A	PITCH DIM B
A	400sq	66.8	33
B	450sq	64	33

TOLERANCE +/-2

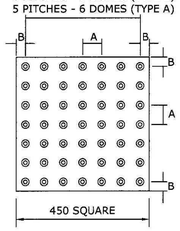


1 = 50mm THICK PRECAST TACTILE PAVING SLAB

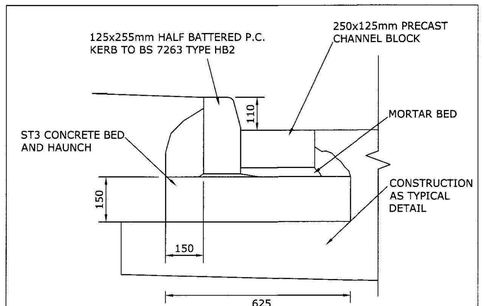
2 = 1:3 CEMENT/SHARP SAND MORTAR 50mm THICK

3 = GRANULAR TYPE 1 SUB-BASE TO CLAUSE 803 150mm THICK

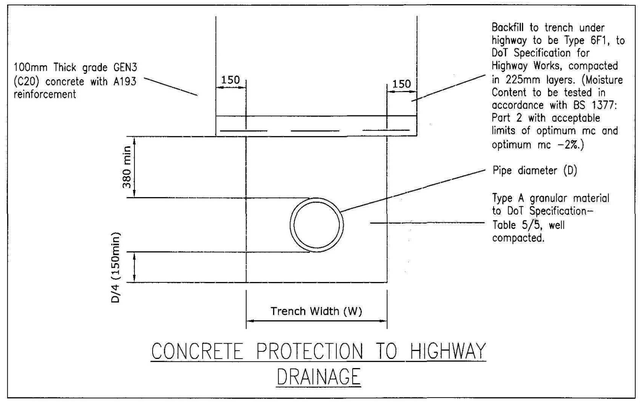
MODULE TYPE A OR B
6 PITCHES - 7 DOMES (TYPE B)
5 PITCHES - 6 DOMES (TYPE A)



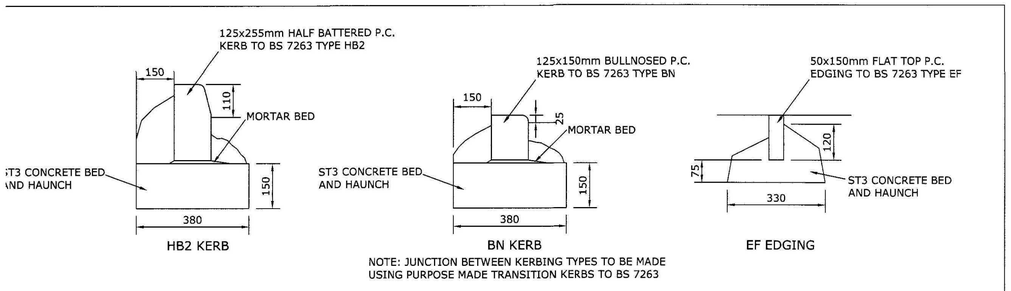
TACTILE PAVING DETAIL
1:10



CHANNEL BLOCK AND KERB DETAIL
1:10

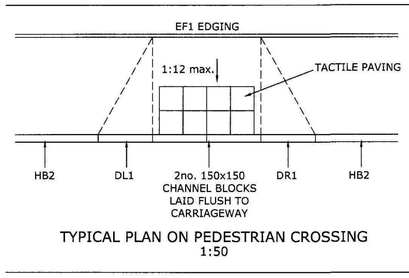


CONCRETE PROTECTION TO HIGHWAY DRAINAGE



NOTE: JUNCTION BETWEEN KERBING TYPES TO BE MADE USING PURPOSE MADE TRANSITION KERBS TO BS 7263

KERB DETAILS
1:10



TYPICAL PLAN ON PEDESTRIAN CROSSING
1:50

HIGHWAY NOTES:

THE SPECIFICATION IN ALL RESPECTS SHALL BE IN ACCORDANCE WITH THE CURRENT "LINCOLNSHIRE DESIGN GUIDE FOR RESIDENTIAL AREA'S" AND "DEVELOPMENT ROAD SPECIFICATION AND CONSTRUCTION" PUBLICATIONS IN FORCE IN THE COUNTY AT THE TIME OF CONSTRUCTION.

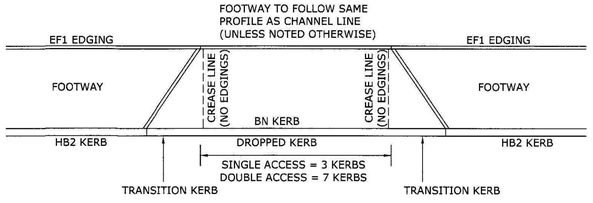
THE MINIMUM LONGITUDINAL FALL FOR HIGHWAYS, WITHOUT CHANNEL BLOCKS SHOULD BE 1 IN 150, AND WITH CHANNEL BLOCKS 1 IN 250 (SEE CLAUSE 10.1 "DEVELOPMENT ROAD SPECIFICATION".)

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.

WHERE LESS THAN TWO FULL HEIGHT KERBS WILL OCCUR BETWEEN VEHICLE CROSSINGS, THEY SHALL BE LAID AS A CONTINUOUS CROSSING. SINGLE DRIVES REQUIRE MINIMUM 3 DROPPED KERBS, DOUBLE DRIVES REQUIRE MINIMUM 7 DROPPED KERBS. PEDESTRIAN CROSSINGS REQUIRE DROPPED KERBS WITH 6MM KERB FACE.



TYPICAL PLAN ON VEHICULAR CROSSOVER
1:50

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. Drainage 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.

Planning & Strategy
24 FEB 2010
Rec'd S/145/10

Rev	Date	Description	Made	Che
D	26.01.10	Pipe protection detail amended	DK	JE
C	15.01.10	Road amended to camber	DK	JE
B	17.09.09	Details amended to suit Lincolnshire Highways requirements.	DK	JE
A	05.06.09	CDM Notes added.	DK	JE

Drawing Status: PRELIMINARY

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Client: HILL PARTNERSHIPS

Project: BARRINGTON GATE
HOLBEACH
LINCOLNSHIRE

Drawing Title: ADOPTABLE CONSTRUCTION DETAILS

Drawn/Design	Checked	Approved	Date
DK	JEB	JEB	27.03.09

Scales	Drawing No.	Rev
AS SHOWN	612976/C/106	D