North.
(Indicative)
Shrubs and Saplings
NEW RS1
EX. RS4
MH CL 3.68
DIAG 1003
DIAG 1040
DIAG 1004
SCALE 1/200
B1
B2
BOLLARDS TO BE SIMMONSIGNS BASELIT GLOBAL PLUS TYPE WITH FLEXIBLE SHELL (SIMBOL OR CONTOUR) AND MOUNTED ON GROUND INSTALLED BOXES TO SD12/16 AND ROOT EXTENTION BOXES. KEEP LEFT ROUNDALL
BOLLARD, BLANK ROUNDALL
STN 16
MOUND TO BE TRIMMED
FLOWER BED TO BE DEMOLISHED
GROUND TO BE REGRADED SLAB ON EDGE SUPPORT IF NECESSARY
GRASS
GRAVEL DRIVE
FLOWER BED
POST BOXES
0.35 DIA? PIPE INV 1.46
1.8 x 0.6M Box Culvert 45 Units of HA Loading
STORAGE VOLUME = 216CU M
2 ROWS OF 3m X 1m BOX CULVERTS 45 UNITS OF HA LOADING
CHANNEL BLOCKS
TREES
POST
EXISTING POLE MOUNTED LANTERN TO BE DISCONNECTED BY P.E.S. AND TAKEN TO TIP.
PROPOSED FOOTPATH
EXISTING POLE MOUNTED LANTERN
RAIL FENCE (3m LONG)
1 SCHOOL
2 GREENDOWN
3 BURGHLEY
4 ARAGON
5 ARAGON
6 GREENDOWN
7 VOLTON
4 PART D400 COVER 1250mm X 675mm
1870mm X 755mm ACCESS POINT SUPER HEAVY DUTY BRITON E600.
SURFACE WATER STORAGE TANK 33.605m LONG 1.8m WIDE 0.6m DEEP
SURFACE WATER STORAGE TANKS-2No 36m LONG 3.0m WIDE 1.0m DEEP
CHANNEL BLOCKS
END OF ROAD 1
S10 1.5-X IL 1.83
CUL1 600mm PIPE
HEADWALL
DITCH
150mm Concrete Protection Slab
IL 1.865
IL 1.865
SEE DETAIL
225mm WALL
600mm CON PIPE out of BOX CULVERT
600mm CON PIPE Into BOX CULVERT
PRIVATE SWS DRAINAGE
PRIVATE FWS DRAINAGE
ROAD 2
Datum 0m AODN RD 2
SWS Invert Level: 2.456 | 2.647
SWS Details: S2 1.35-X | PN 1 225mm 1/169.5 L32.172 CLAY PIPE CLASS CS36kN/m TYPE S BED | S1 1.35-X
Centre Line Level: 3.458 3.396 3.412 3.446 3.479 3.487 3.504 3.487 3.462 3.429 3.395
Details: Grad 1/40 | Grad 1/150 | VC L 10m VIP3.52 CH 21.218 | Grad 1/-150 | STRAIGHT
Ground Level: 3.15 3.183 3.145 3.18 3.197 3.185 3.156 3.192
Chainage: 0 2.5 5 10 15 16.218 20 21.218 25 26.218 30 35 39.997
Datum 0m AODN RD 1
SWS Invert Level: 1.21 1.51 1.66 | 1.676 | 1.711 | 1.746 | 150mm PROTECTION SLAB C20 CONCRETE | 1.817 | 150mm PROTECTION SLAB C20 CONCRETE | 2.066 | 2.212 | 150mm PROTECTION SLAB C20 CONCRETE | 2.383 | 150mm PROTECTION SLAB C20 CONCRETE | 2.526 | 150mm PROTECTION SLAB C20 CONCRETE | 2.690
SWS Details: PN 1.07 450mm 1/406.7 L6.466 CON PIPE CLASS H TYPE S BED | S9 1.5-B | S8 1M-CS | PN 1.06 1.8M BY 0.6M BOX CULVERT 1/960 L33.567 TYPE S BED 45 UNITS OF HA LOADING | S7 | PN 1.05 600mm 1/405.7 L14.372 CON PIPE CLASS H TYPE S BED | S6 1.5-X | PN 1.04 600mm 1/385.7 L27.164 CON PIPE CLASS H TYPE S BED | S5 1.5-X | PN 1.03 450mm 1/402 L40.016 CON PIPE CLASS H TYPE S BED | S4 1.5-X | PN 1.02 375mm 1/318.6 L22.514 CON PIPE CLASS H TYPE S BED | S3 1.35-X | PN 1.01 300mm 1/247 L23.645 CON PIPE CLASS H TYPE S BED | S2 1.35-X | Private Drainage 225mm 1/250 L16.4789 CLAY PIPE CLASS CS36kN/m TYPE S BED | S19 | 225mm 1/250 L41.1054 Private Drainage | S19
FWS Invert Level: 0.238 | 0.384 | 0.713 | 0.89 | 1.33 | 1.508 | 1.647 | 1.903
FWS Details: F1 1.2-A | PN 1.00 150mm 1/150 L21.926 CLAY PIPE CLASS CS40kN/m TYPE S BED | F2 1.2-A | PN 1.01 150mm 1/150 L49.399 CLAY PIPE CLASS CS40KN/M TYPE S BED | F3 1.2-B | PN 1.02 150mm 1/150 L26.54 CLAY PIPE CLASS CS40KN/M TYPE S BED | F4 1.2-B | PN 1.03 150mm 1/150 L66.025 CLAY PIPE CLASS CS40KN/M TYPE S BED | F5 1.2-B | PN 1.04 150mm 1/150 L26.584 CLAY PIPE CLASS CS40KN/M TYPE S BED | F6 1.2-B | 150mm 1/150 L20.0849 Private Drainage | FMH15 | 150mm 1/150 L38.3556 Private Drainage | FI9
Centre Line Level: 3.88 3.844 3.809 3.773 3.737 3.701 3.666 3.63 3.594 3.559 3.523 3.487 3.451 3.416 3.38 3.344 3.309 3.329 3.349 3.369 3.389 3.409 3.429 3.449 3.469 3.489 3.509 3.529 3.549 3.554 3.558 3.558 3.547 3.525 3.491 3.458 3.439 3.428 3.428 3.432 3.439 3.459 3.479 3.499 3.519
Details: Grad 1/140 | VC L 20m VIP3.309CH 79.942 | Grad 1/250 | VC L 20m VIP3.565CH 143.936 | Grad 1/150 | VC L 15m VIP3.421 CH 165.48 | Grad 1/250 PITCHED CHANNELS
STRAIGHT | R=35 L 5.206 | STRAIGHT | R=36 L 17.3448 | STRAIGHT | R=36 L 7.062 | STRAIGHT | R=27 L 16.1918 | STRAIGHT
Ground Level: 3.88 3.765 3.036 3.128 2.946 3.156 3.121 2.986 3.118 3.118 3.083 3.064 3.148 3.144 3.015 3.078 3.077 3.106 3.059 2.953 3.11 3.119 3.12 3.148 3.149 3.148 3.148 3.153 3.17 3.174 3.194 3.239 3.24 3.241 3.118 3.211 3.197 3.132 3.174 3.18 3.191 3.141 3.187 3.134 3.133 3.142 3.158 3.15 3.15 3.151 3.155 3.156
Chainage: 0 5 10 15 18.486 20 23.693 25 28.102 30 35 37.874 40 45 50 51.955 55 60 65 69.299 70 75 75.39 80 82.451 85 86.587 90 93.815 95 100 105 106.887 108.83 110 110.941 113.052 115 120 125 130 135 139.136 140 141.269 143.269 143.936 145 146.602 150 152.843 155 157.01 160 161.031 161.177 162.814 165 165.48 166.147 168.147 170 175 180 185 190 190.846

ROUNDABOUT NOTES

ALL SIGNS SHOULD BE IN ACCORDANCE WITH THE TRAFFIC SIGNS MANUAL AND LCC REQUIREMENTS. THE DIRECTION SIGNS ON THE IN A151 & B1515 ARE TO BE REPLACED WITH NEW SIGNS DESIGNED TO THE CURRENT REGULATIONS. THE SIGNS SHOULD INCLUDE A STUB INDICATING THE DEVELOPMENT ROAD WITH NO THROUGH ROAD BAR. THE SITING OF THESE NEW SIGNS WILL NEED TO BE AGREED WITH LCC .THE EXISTING ROUNDABOUT WARNING SIGNS ARE TO BE REMOVED INCLUDING THE 'REDUCE SPEED NOW' PLATES

REFLECTIVE SIGN DIAG 515
1200mm BY 400mm 1M
ABOVE GL.

ILLUMINATED SIGN DIAG. 606
OF TRAFFIC SIGN REGs 2002

Highways

31) All adoptable highway to be constructed in accordance with 'Development Road specification and Construction 1999' issued by Lincolnshire County Council or any updated edition.

32) No trees to be planted within 4.5m of the centre line of carriageway.

33) Pram crossings are to be provided at every Junction and shall consist of 2 No. 125mm x 150mm dropped kerb laid with a 25mm upstand above the carriageway and two purpose made dropper kerbs.

34) Vehicle crossings shall be provided for all drive entrances and shall be a minimum of 3.6 m wide using 125mm x 150mm precast concrete kerbs to BS 340, 1979 Fig 2(a) with a 25mm upstand and two purpose made dropper kerbs. If less than 3 No full face kerbs between access points then the whole to be laid as dropped kerbs.

35) Vehicle crossings - base shall consist of a compacted thickness of 380mm of DoT Type 1 Granular Sub-base.

36) Give way markings and any necessary signing to be agreed on site with the divisional surveyor.

37) Pedestrian Crossing points to be provided with Tactile Paving as per LCC Design Guide 3.16.3

DRAINAGE NOTES

All works to comply with Building Regulations 2000

Road gully connections to be 150mm dia. clayware pipes.
Private drain connections to adoptable sewers to be clayware pipes.
Remaining private drains to be 110mm dia. U.P.V.C. or clayware unless otherwise stated.
All pipe chambers and in accordance fittings to be installed, bedded and backfilled in accordance with the manufacturers instructions.
Private drains and sewers which pass adjacent to building foundations to be constructed in accordance with Part H.I. of the Building Regulations.
All private drains to incorporate preformed inspection and shallow access chambers where possible.
Traditional chambers (private) to be constructed using precast concrete sections with 150mm concrete surround.

Depth to I.L.	M.H. chamber size (Internal)
1.0m or less	450 x 450mm (normally a preformed chamber 0.9m depth or less)
1.5m or less	1200 x 750mm or 1050mm dia.
Over 1.5m	1200 x 750mm or 1200mm dia.

PIPE DIAMETER OVER 150MM SEE TABLE 12

Inspection chambers situated in drives to have Grade C250 covers and frames.
Inspection chambers situated in areas not subject to vehicular loading to have Grade B125 covers and frames.
Rainwater downpipes to be connected directly to surface water drain via 68/110mm adaptors, removable to allow for rodding.
Position of gullies shown in garage drives are nominal only and may be adjusted on site.

All drains to be laid to 1/40 gradient unless otherwise stated.

All drains in the vicinity of proposed trees to be constructed in accordance with the requirements of N.H.B.C. Practice Note 3.
All back inlet gullies to be roddable.

DRAINAGE LEGEND	Storm	Foul
Existing foul water sewer.........		
Existing surface water sewer.........		
Proposed foul water sewer...........		–·–·–·–
Proposed surface water sewer........	— — —	
Proposed backdrop.................		
Proposed foul water drain.........		
Proposed surface water drain........		
Proposed BR manhole PCC Ring (1.5m > depth > 1m)	◎	⊙
Proposed 3R manhole PCC Ring (2.7m > depth > 1.5m)	○	●
Proposed inspection chamber (traditional).	☐	▤
Proposed preformed inspection chamber (depth 900mm or less)..	⊙	●
Proposed preformed inspection chamber (depth 600mm or less)......	○	●
Proposed shallow access chamber....	●	●
Proposed rodding eye............		
Proposed chamber invert level.......	S12.750	
Proposed yard gully (trapped)	■	
Proposed gully (450mm dia trapped)	☐	
Suspended slab, where appropriate....		
Proposed slab level............	FL2.750	
Proposed soakaway...............		
Dropper Kerb		
Dropped Kerb		
Boundary Wall		
High Point...............		
Low Point.............		
Channel Blocks...............	CHANNEL BLOCKS KERB	

POINT A................................1250mm X 675mm 4 PART D400 COVER.
POINT B................................1870mm X 755mm ACCESS POINT STANTON SUPER HEAVY DUTY BRITON E600.

Notes
Sewerage

1) All adoptable sewers to be constructed in accordance 'sewers for adoption' 5th Edition by the W.C.A. unless otherwise instructed.
2) Surface water from roofs and roads to be discharged to surface water sewer.
3)All drives to drain away from highway boundary Gully pots to be provided in all drive low spots.
4) Road gully pots connections only to be adopted by Lincolnshire County Council as Highway Authority.
5) Surface water sewers to be adopted by Anglian water Services Limited.
6) Sulphate resisting cement to be used for all insitu & precast concrete.
7) Public Sewers to be 3m away from any buildings.

NOTE A................................1250mm X 675mm 4 PART D400 COVER.
NOTE B................................1870mm X 755mm ACCESS POINT STANTON SUPER HEAVY DUTY BRITON E600.

REV	DATE	DESCRIPTION/REASON FOR ISSUE	ORIG	CHKD	APPR
L	10/8/04	HOUSE LAYOUT REVISED			
K	24/3/04	PATH ON RIGHT EXTENDED TO MEET EXISTING FOOTPATH.	J.G.		
J	29/1/04	TACTILE PAVING ADDED ON RD 1	J.G.		
I	12/1/04	NOTES ALTERED FOR ROUNDABOUT		MRF	
H	20/11/03	ROUNDABOUT SIGNS ALTERED	MRF		
G	14/10/03	STREET LIGHTS ADDED	MRF		
F	8/10/03	HEADWALL & P.N F1.00 REVISED	J.G.		
E	26/9/03	REVISED SURVEY ADD & MINOR MODS			J.G.
D	29/8/03	NOTES REVISED	J.G.		
C	18/8/03	SUB-STATION ADDED			
B	30/7/03	SWS & SECTIONS REVISED			
A	8/7/03	REVISED AS LCC LETTER	J.G		

MTC

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TITLE

ALLISON HOMES
WIGNALS GATE
HOLBEACH
PHASE 2 LAYOUT

ORIG JTC	DATE 12/6/03	
CHKD	SCALE 1/500	
APPR MFT	FILE	
JOB NO	DRAWING NO 422/08	REV L

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ACO Drainage

2004

1550/04

⊗	ACO SUMP
	ACO K100
●	RODDING ACCESS POINT

KEY-STREET LIGHTING

6m TYPE 3M10 COLUMN WITH POST TOP MOUNTED LANTERN TO APP. 14/2 (FGS224/36W OR EQUIVALENT)

6m TYPE 3M10 R/L COLUMN WITH POST TOP MOUNTED FOOTPATH LANTERN FITTED WITH INTERNAL BACK LIGHT SHIELD. (WRTL PATHFINDER 32W OR EQUIVALENT)

NOTE
THE CONTRACTOR IS MADE AWARE OF THE SHW APPENDICES AND RELEVANT CORRESPONDENCE RELATING TO THE PROJECT. WORKS WITHIN THE VICINITY OF THE ROUNDABOUT ARE EXCLUDED FROM THE ABOVE REQUIREMENTS AND ARE A SEPARATE ISSUE.

ID: 1-Sam Stafford-Robert Doughty Consultancy 12-11-2004