ALIGNMENT ROAD 2								
LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
JP2-1	0.000	524573.110	323162.674					
CP2-1	5.000	524577.972	323163.844					
CP2-2	10.000	524582.833	323165.014					
CP2-3	15.000	524587.694	323166.184					
TP2-1a	19.600	524592.166	323167.261		76.46664			
IP2-1		524598.050	323168.677	20.000		33.66958	11.753	6.052
CP2-4	20.000	524592.556	323167.350					
CP2-5	25.000	524597.522	323167.805					
CP2-6	30.000	524602.447	323167.016					
TP2-1b	31.353	524603.731	323166.594		110.13622			
CP2-7	35.000	524607.156	323165.338					
CP2-8	40.000	524611.850	323163.617					
EP2-1	44.508	524616.083	323162.065		110.13622			

ALIGNMENT ROAD 3								
LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
JP3-1	0.000	524585.358	323230.244					
CP3-1	5.000	524590.219	323231.414					
CP3-2	10.000	524595.080	323232.584					
CP3-3	15.000	524599.941	323233.754					
CP3-4	20.000	524604.802	323234.924					
CP3-5	25.000	524609.664	323236.094					
CP3-6	30.000	524614.525	323237.264					
CP3-7	35.000	524619.386	323238.434					
EP3-1	36.520	524620.864	323238.790		76.46664			

ALIGNMENT ROAD 1								
LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL
SP1-1	0.000	524576.682	323077.835					
CP1-1	5.000	524573.368	323081.578					
CP1-2	10.000	524570.053	323085.322					
TP1-1a	10.070	524570.007	323085.374		318.47559			
IP1-1		524568.488	323087.089	15.000		17.36837	4.547	2.291
TP1-1b	14.617	524566.526	323088.273		301.10722			
IP1-2		524559.111	323092.747	10.500		79.02900	14.483	8.660
CP1-3	15.000	524566.202	323088.477					
CP1-4	20.000	524562.814	323092.090					
CP1-5	25.000	524561.459	323096.854					
TP1-2b	29.100	524562.093	323100.878		20.13622			
CP1-6	30.000	524562.402	323101.723					
CP1-7	35.000	524564.124	323106.417					
CP1-8	40.000	524565.845	323111.112					
CP1-9	45.000	524567.566	323115.806					
CP1-10	50.000	524569.288	323120.501					
CP1-11	55.000	524571.009	323125.195					
CP1-12	60.000	524572.730	323129.889					
CP1-13	65.000	524574.451	323134.584					
CP1-14	70.000	524576.173	323139.278					
TP1-3a	70.042	524576.187	323139.318		20.13622			
IP1-3		524577.724	323143.508	14.750		33.66958	8.668	4.463
CP1-15	75.000	524577.087	323144.169					
TP1-3b	78.710	524576.679	323147.847		346.46664			
CP1-16	80.000	524576.377	323149.101					
CP1-17	85.000	524575.207	323153.963					
CP1-18	90.000	524574.037	323158.824					
CP1-19	95.000	524572.867	323163.685					
CP1-20	100.000	524571.697	323168.546					
CP1-21	105.000	524570.527	323173.407					
CP1-22	110.000	524569.357	323178.268					
CP1-23	115.000	524568.187	323183.130					
TP1-4a	119.638	524567.101	323187.639		346.46664			
IP1-4		524563.795	323201.378	15.250		85.63981	22.794	14.131
CP1-24	120.000	524567.021	323187.992					
CP1-25	125.000	524566.779	323192.963					
CP1-26	130.000	524568.152	323197.748					
CP1-27	135.000	524570.992	323201.836					
CP1-28	140.000	524574.997	323204.792					
TP1-4b	142.432	524577.242	323205.720		72.10645			
IP1-5		524590.250	323209.920	14.750		85.63981	22.047	13.668
CP1-29	145.000	524579.605	323206.717					
CP1-30	150.000	524583.549	323209.752					
CP1-31	155.000	524586.259	323213.925					
CP1-32	160.000	524587.427	323218.762					
TP1-5b	164.479	524587.051	323223.208		346.46664			
CP1-33	165.000	524586.929	323223.715					
CP1-34	170.000	524585.759	323228.576					
CP1-35	175.000	524584.589	323233.437					
CP1-36	180.000	524583.419	323238.298					
EP1-1	183.765	524582.538	323241.959		346.46664			

JUNCTION DETAILS : ROAD 2 - LH Side

Curve 1	E	N	Level	Radius
Centre O1 :	524578.336	323170.875		4.500
Start TP1:	524573.961	323169.822	3.591	
End TP2:	524579.390	323166.500	3.617	

JUNCTION DETAILS : ROAD 2 - RH Side

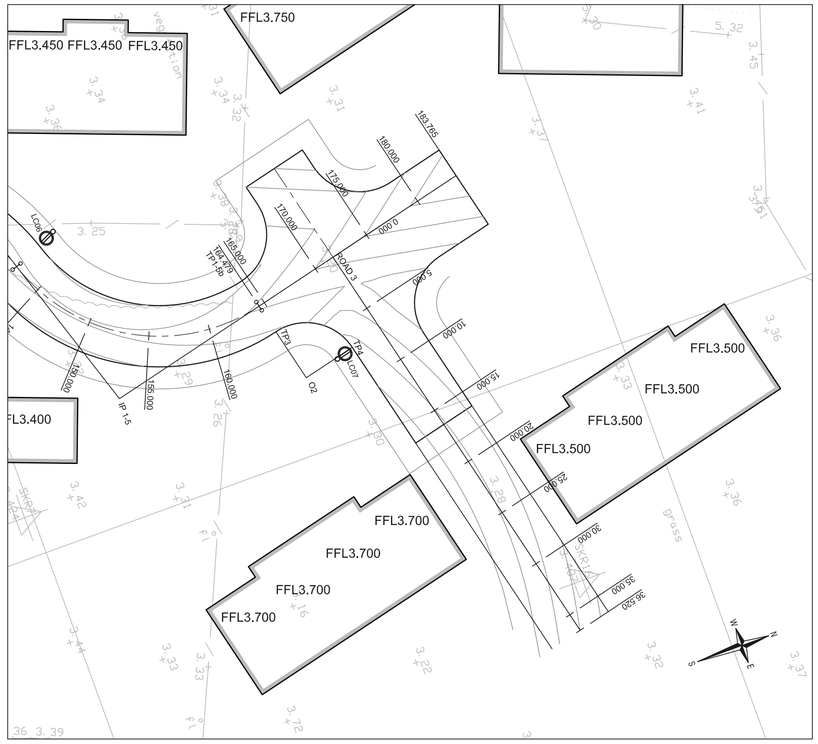
Curve 2	E	N	Level	Radius
Centre O2 :	524581.496	323157.750		4.500
Start TP3:	524577.120	323156.697	3.613	
End TP4:	524580.443	323162.125	3.617	

JUNCTION DETAILS : ROAD 3 - LH Side

Curve 1	E	N	Level	Radius
Centre O1 :	524590.467	323238.930		4.500
Start TP1:	524586.092	323237.877	3.384	
End TP2:	524591.520	323234.555	3.284	

JUNCTION DETAILS : ROAD 3 - RH Side

Curve 2	E	N	Level	Radius
Centre O2 :	524593.860	323224.833		4.500
Start TP3:	524589.484	323223.783	3.245	
End TP4:	524592.807	323229.208	3.421	



NOTES

CONTRACTORS MUST VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK ON SHOP DRAWINGS

DO NOT SCALE FROM THIS DRAWING

RCD CONSULTANTS LTD COPYRIGHT

1. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.

2. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND CALCULATIONS ASSOCIATED WITH THIS PROJECT.

3. ALL ADOPTABLE DRAINAGE WORKS ARE TO BE CARRIED OUT TO THE REQUIREMENTS AND FULL SATISFACTION OF ANGLIAN WATER SERVICES LTD.

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

5. ALL SEWERS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH WATER AUTHORITIES ASSOCIATION PUBLICATION `SEWERS FOR ADOPTION 7TH EDITION`.

6. ALL BUILDING DRAINAGE TO BE INSTALLED AND TESTED IN COMPLIANCE WITH THE BUILDING REGULATIONS 2000 DRAINAGE AND WASTE DISPOSAL APPROVED DOCUMENT H 2002 EDITION.

7. ALL COMPONENTS AND MATERIALS ARE TO BE MANUFACTURED AND SUPPLIED IN ACCORDANCE WITH THE RELEVANT BRITISH STANDARDS, AND LAID AND BACKFILLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND THE RELEVANT BRITISH STANDARDS.

8. THE CONTRACTOR SHALL, BEFORE COMMENCING THE WORKS, VERIFY ALL SITE AND SETTING OUT DIMENSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUE AND PROPER SETTING OUT OF THE WORKS AND FOR THE CORRECTNESS OF THE POSITION, LEVELS, DIMENSIONS, AND ALIGNMENT OF ALL PARTS OF THE WORKS.

9. SMALL LIGHTWEIGHT ACCESS COVERS SHOULD BE SECURED (FOR EXAMPLE WITH SCREWS) TO DETER UNAUTHORISED ACCESS.

10. INSPECTION CHAMBERS AND MANHOLES IN BUILDINGS TO HAVE MECHANICALLY FIXED AIRTIGHT COVERS UNLESS THE DRAIN ITSELF HAS WATERTIGHT ACCESS COVERS.

11. ALL ABOVE GROUND DRAINAGE TO INCORPORATE RODDING ACCESS FACILITIES.

12. INSITU CONCRETE FOR USE IN GENERAL DRAINAGE WORKS, GRADE TO BS; 5328.

13. ALL GULLIES TO BE TRAPPED.

14. FOR INTERNAL DRAINAGE POSITIONS REFER TO ARCHITECT'S CURRENT WORKING DRAWINGS.

15. FOR LANDSCAPING SURFACE MATERIAL FINISHES REFER TO ARCHITECT'S CURRENT WORKING DRAWINGS.

16. ALL PIPES TO BE 100mm DIAMETER UNLESS NOTED OTHERWISE.

17. ALL ROAD MARKINGS TO BE IN ACCORDANCE WITH THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2002.

18. THE LOCATION AND DEPTH OF THE EXISTING CULVERT/WATERCOURSE CROSSING THE SITE HAS BEEN ESTIMATED. PRIOR TO ANY CONSTRUCTION COMMENCING THE LOCATION AND INVERT OF THE CULVERT AT MANHOLES S12 AND S16 IS TO BE CONFIRMED TO THE RCD ENGINEER SO THAT AMENDMENTS CAN BE MADE TO THE DRAINAGE DESIGN.

19. THE LOCATION AND DEPTH OF THE EXISTING SURFACE WATER SEWER CROSSING THE SITE HAS BEEN ESTIMATED. PRIOR TO ANY CONSTRUCTION COMMENCING THE LOCATION AND INVERT OF THE SURFACE WATER SEWER AT MANHOLES 5054, 5055, 5150 AND S13 ARE TO BE CONFIRMED TO THE RCD ENGINEER SO THAT AMENDMENTS CAN BE MADE TO THE DRAINAGE DESIGN.

20. THE LOCATION AND DEPTH OF THE EXISTING FOUL WATER MANHOLE 6001 HAS BEEN ESTIMATED. PRIOR TO ANY CONSTRUCTION COMMENCING THE CONTRACTOR IS TO CONFIRM TO THE RCD ENGINEER THE LOCATION AND INVERT LEVEL OF THIS MANHOLE SO THAT AMENDMENTS TO THE DRAINAGE DESIGN CAN BE MADE.

REV	AMENDMENT	DATE	CHKD
A	FOR APPROVAL	21.03.15	RAC

DRAWING STATUS

PRELIMINARY

RCD

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CLIENT

RELIANT BUILDING CONTRACTORS LTD

PROJECT

PROPOSED RESIDENTIAL DEVELOPMENT
KINGS ROAD
SPALDING

DRAWING TITLE

ROAD SETTING OUT

CIVILS

SCALE	DRAWN BY	CHECKED	DATE
1:250 @ A1 1:500 @ A3	RAC	MGC	FEB 2015

DRAWING NUMBER

1151-1004-CIV-60

REVISION

A