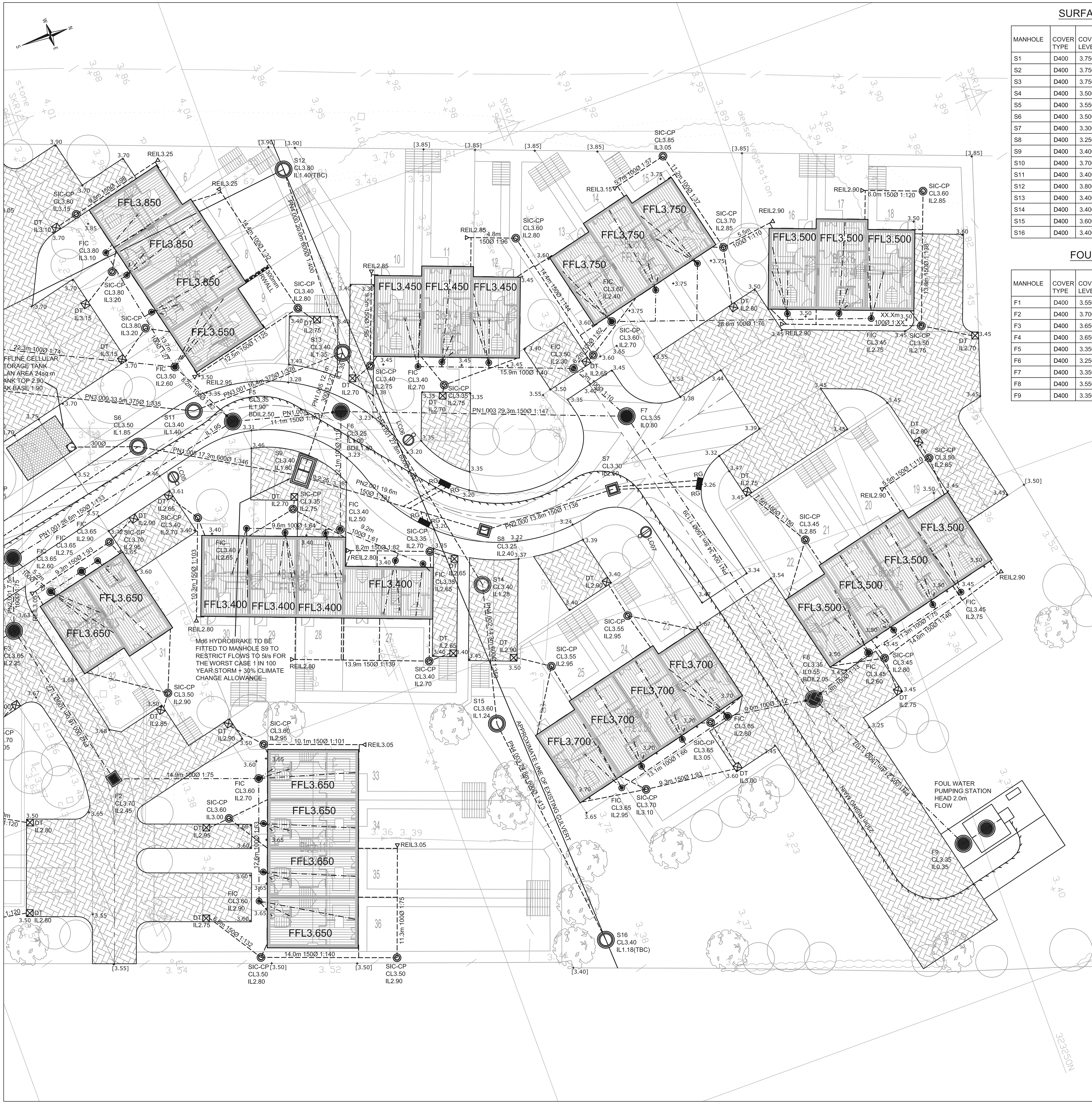

SURFACE WATER MANHOLE SCHEDULES

MANHOLE	COVER TYPE	COVER LEVEL	INVERT LEVEL	DEPTH	DIAMETER/ DIMENSIONS	MANHOLE TYPE	EASTINGS	NORTHINGS
S1	D400	3.750	2.700	1.050	750 x 675	4	524565.430	323087.609
S2	D400	3.750	2.600	1.150	750 x 675	4	524560.168	323097.590
S3	D400	3.750	2.050	1.700	1800Ø	2	524563.992	323108.421
S4	D400	3.500	1.960	1.540	1500Ø	2	524575.214	323140.205
S5	D400	3.550	1.940	1.610	1500Ø	2	524575.639	323146.928
S6	D400	3.500	1.850	1.650	1500Ø	2	524567.052	323182.501
S7	D400	3.300	2.500	0.800	750 x 675	4	524587.820	323226.783
S8	D400	3.250	2.400	0.850	750 x 675	4	524587.298	323212.946
S9	D400	3.400	1.800	1.600	1800Ø	2	524575.219	323197.587
S10	D400	3.700	1.500	2.200	1200Ø	2	524550.873	323158.976
S11	D400	3.400	1.400	2.000	1800Ø	2	524565.569	323189.122
S12	D400	3.800	1.400	2.400	1500Ø	2	524545.428	323206.255
S13	D400	3.400	1.350	2.050	1500Ø	2	524565.178	323205.505
S14	D400	3.400	1.280	2.120	1500Ø	2	524592.452	323210.864
S15	D400	3.600	1.240	2.360	1500Ø	2	524606.353	323207.378
S16	D400	3.400	1.180	2.220	1500Ø	2	524631.013	323210.295

FOUL WATER MANHOLE SCHEDULES

MANHOLE	COVER TYPE	COVER LEVEL	INVERT LEVEL	DEPTH	DIAMETER/ DIMENSIONS	MANHOLE TYPE	EASTINGS	NORTHINGS
F1	D400	3.550	2.450	1.100	750 x 675	4	524578.318	323143.259
F2	D400	3.700	2.450	1.250	1200Ø	2	524598.238	323168.507
F3	D400	3.650	2.250	1.400	1200Ø	2	524580.454	323164.076
F4	D400	3.650	2.150	1.500	1200Ø	2	524573.396	323166.518
F5	D400	3.350	1.900	1.450	1200Ø	2	524567.952	323192.514
F6	D400	3.250	1.000	2.250	1200Ø	2	524570.786	323203.288
F7	D400	3.350	0.800	2.550	1200Ø	2	524581.264	323230.672
F8	D400	3.550	0.550	3.000	1200Ø	2	524615.097	323238.816
F9	D400	3.350	0.350	3.000	1200Ø	2	524634.307	323248.149

DRAWING LEGEND

SURFACE WATER DRAINAGE	
S1	PRECAST CONCRETE RING MANHOLE
	TYPE 4 RIGID INSPECTION CHAMBER
	TYPE 3 INSPECTION CHAMBER
RG	450x900 ROAD GULLY
	SURFACE WATER SEWER
RE	RODDING EYE
DT	FORMPAVE 708x708 DISTRIBUTION TANK
	POROUS PAVING

FOUL WATER DRAINAGE	
F1	TYPE 2 PCC MANHOLE
	TYPE 4 RIGID INSPECTION CHAMBER
	TYPE 3 INSPECTION CHAMBER
	TYPE 4 INSPECTION CHAMBER
	FOUL WATER SEWER

ANCILLARIES	
113.05+	PROPOSED LEVELS
LC01	INDICATIVE 6.0m LIGHTING COLUMN TO BS EN 60529

NOTES

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

DO NOT SCALE FROM THIS DRAWING

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

RCD CONSULTANTS LTD
23 HASTINGS ROAD ROAD, MAIDSTONE, KENT, ME15 7SH
MOBILE: 07702 052 137
EMAIL: ray@rcd-uk.com

CLIENT

RELIANT BUILDING CONTRACTORS LTD

PROJECT

PROPOSED RESIDENTIAL DEVELOPMENT
KINGS ROAD
SPALDING

DRAWING TITLE

ENGINEERING LAYOUT
SHEET 2 of 2

CIVILS

SCALE	DRAWN BY	CHECKED	DATE
1:200 @ A1 1:400 @ A3	RAC	MGC	FEB 2015

DRAWING NUMBER	REVISION
1151-1004-CIV-11	A