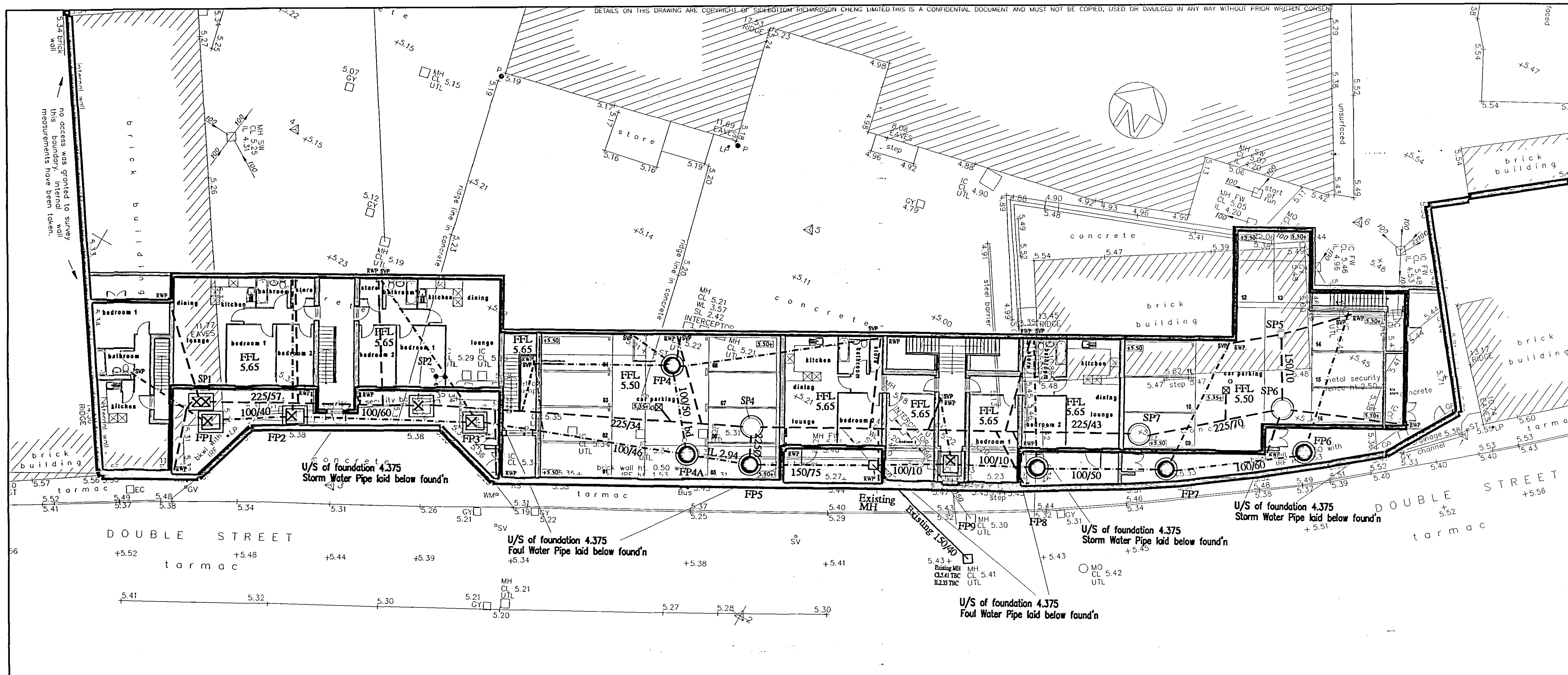




NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH SPECIFICATIONS AND ALL OTHER RELEVANT DRAWINGS.
2. ALL PRIVATE DRAINAGE SHALL BE CARRIED OUT IN ACCORDANCE WITH PART H OF THE CURRENT BUILDING REGULATIONS.
3. ALL COVER LEVELS SHOWN ON THIS DRAWING ARE APPROXIMATE. EXACT LEVELS TO BE DETERMINED ON SITE TO SUIT ADJACENT FINISHED GROUND LEVELS.
4. NO DRAINAGE FROM PRIVATE AREAS TO BE DISCHARGED TO PUBLIC HIGHWAY.
5. DRIVES TO BE LAID TO FALL TO GULLIES AT LOW POINTS TO ENSURE COMPLIANCE.
6. NO GATES, ETC TO OPEN OVER THE PUBLIC HIGHWAY OR FOOTPATH.
7. FOR PROPOSED FINISHES REFER TO ARCHITECT'S DRAWINGS.
8. FOR PRIVATE DRAINAGE DETAILS REFER TO DRAWING NO. 22306/02.
9. THE STORM AND FOUL DRAINAGE IS DESIGNED TO SURVEY INFORMATION PROVIDED. CONTRACTOR TO VERIFY COVER LEVELS AND INVERT LEVELS OF OUTFALL MANHOLES PRIOR TO CONSTRUCTION ON SITE. IF LEVELS DIFFER FROM THOSE AS SHOWN ON THIS DRAWING CONTRACTOR TO REPORT TO ENGINEER.
10. ALL SOIL VENT PIPES TO BE 1000 @ 1:40 MIN. AND ALL RAINWATER PIPES TO BE 1000 @ 1:100 MIN. UNLESS NOTED OTHERWISE. LOCATIONS FOR SVPs AND RWP TO SUIT ARCHITECT'S LAYOUT.
11. ALL SURVEY LEVELS TO BE VERIFIED ON SITE PRIOR TO ANY WORKS.
12. ALL EXISTING DRAINS TO BE CCTV SURVEYED FOR ANY LIVE CONNECTIONS USING CCTV SURVEY. DRAINS WHICH ARE NO MORE IN USE TO BE EITHER REMOVED OR GROUTED WITH MORTAR.

LEGEND

PIPE #/GRADIENT	MANHOLE REF. No.
225/40	PROPOSED S.W. MANHOLE
100/40	PROPOSED F.W. MANHOLE
	GULLY
	PROPOSED S.W. PRIVATE MANHOLE 450# PPIC
	EXISTING FOUL SEWER

CONTRACTOR TO CHECK ON SITE FOR EXISTING LIVE DRAINAGE FOR SURFACE AND FOUL ON THE FOOTPRINT OF PROPOSED DEVELOPMENT AND TO MAKE SURE ALL EXISTING LIVE DRAINAGE IS CONNECTED/DIVERTED TO A SUITABLE OUTFALL PRIOR TO ABANDONING DRAINS ON SITE.

MANHOLE SCHEDULE (storm)

Manhole Number	Cover Level	Connects	Inverts	Pipe Dia	Manhole Size	Types	
						Manhole	Cover
SP1	5.50		0	4.00	225	Type C	Refer to Table To BS EN 124
SP2	5.50		0	3.74	225	Type G	Refer to Table To BS EN 124
SP3		NOT USED					
SP4	5.50		1	2.98	225	Type B	Refer to Table To BS EN 124
SP5	5.50		0	4.20	150	Type B	Refer to Table To BS EN 124
SP6	5.50		0	3.72	225	Type B	Refer to Table To BS EN 124
SP7	5.50		0	3.58	225	Type B	Refer to Table To BS EN 124
RE1		NOT USED					

*ALL COVER LEVELS TO BE CHECKED ON SITE
OUTFALL INVERT LEVELS TO BE CHECKED ON SITE

MANHOLE SCHEDULE (Foul)

Manhole Number	Cover Level	Connects	Inverts	Pipe Dia	Manhole Size	Types	
						Manhole	Cover
FP1	5.50		0	3.70	100	Type G	Refer to Table To BS EN 124
FP2	5.50		0	3.55	100	Type G	Refer to Table To BS EN 124
FP3	5.50		0	3.34	100	Type G	Refer to Table To BS EN 124
FP4	5.35		0	3.78	100	Type B	Refer to Table To BS EN 124
FP5	5.50		0	2.81	150	Type B	Refer to Table To BS EN 124
FP6	5.50		0	4.00	100	Type B	Refer to Table To BS EN 124
FP7	5.50		0	3.84	100	Type B	Refer to Table To BS EN 124
FP8	5.50		0	3.66	100	Type B	Refer to Table To BS EN 124

*ALL COVER LEVELS TO BE CHECKED ON SITE
OUTFALL INVERT LEVELS TO BE CHECKED ON SITE

MANHOLE SCHEDULE (Foul)

Manhole Number	Cover Level	Connects	Inverts	Pipe Dia	Manhole Size	Types	
						Manhole	Cover
FP9	5.65		1	3.26	1200	INTERNAL	Refer to Table To BS EN 124
Existing	5.50		1	2.75	100	Existing	May Require Replaced
FP4A	5.35		1	3.18	100	Type B	Refer to Table To BS EN 124

NOTE ALL SURFACE WATER PIPES TO BE CONNECTED INVERT TO INVERT.

- * Detail to suit ground slab. Refer to structural engineers drawings for detail.
- ALL SURFACE WATER AND FOUL WATER DRAINAGE TO PASS UNDER FOUNDATION. U/S OF FOUNDATION LEVEL = 4.375
- ALL SERVICES TO BE CO-ORDINATED TO SUIT PROPOSED DRAINAGE ROUTE AND LEVELS.
- FOR SETTING FRAME OF INTERNAL MANHOLE REFER TO STRUCTURAL ENGINEERS DRAWING
- ALL DRAINAGE LEVELS ARE DESIGNED TO PASS BELOW FOUNDATION. CONTRACTOR TO MISS LOCATION OF PILES ON SITE.

TABLE SHOWING PRIVATE MANHOLE/INSPECTION CHAMBER COVER GRADES AND AREAS OF USE

COVER GRADE TO BS EN 124	LOCATION
D400	FOR USE IN INDUSTRIAL ROADS AND PARKING AREAS ACCESSIBLE TO ALL TYPES OF ROAD VEHICLES INCLUDING HGV'S.
C250*	FOR USE IN PRIVATE ROADS OR PARKING AREAS eg. CAR PARKS AND MINOR PRIVATE ROADS ACCESSIBLE TO REFUSE VEHICLES, FIRE APPLIANCES ETC WITH POSSIBLE OCCASIONAL HGV USE.
B125	FOR USE IN FOOTWAYS, PEDESTRIAN AREAS, DRIVEWAYS AND CAR PARKS ACCESSIBLE BY LIGHT VEHICLES ONLY.
A15	FOR USE IN AREAS WHICH CAN ONLY BE USED BY PEDESTRIANS AND PEDAL CYCLISTS

* D400 MAY BE USED IN LIEU OF C250 IF PREFERRED.

SHDC
PLANNING & DEVELOPMENT
22 NOV 2006
Ref. 1611/06

B 17.09.06 Levels for car park 09 - 16 amended.
A 17.09.06 Drainage amended to suit Architect's current drawing received on 01.09.06. SVP and RWP shown.

REV DATE REMARKS

STATUS PRELIMINARY

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PROJECT Residential Development
Double Street
Spalding

TITLE Drainage Layout
Plan

DATE July 2005 SCALE 1:150
DRAWN SRC CHECKED
DESIGN FILENAME 22306/001

DRG No. 22306/001

REV B