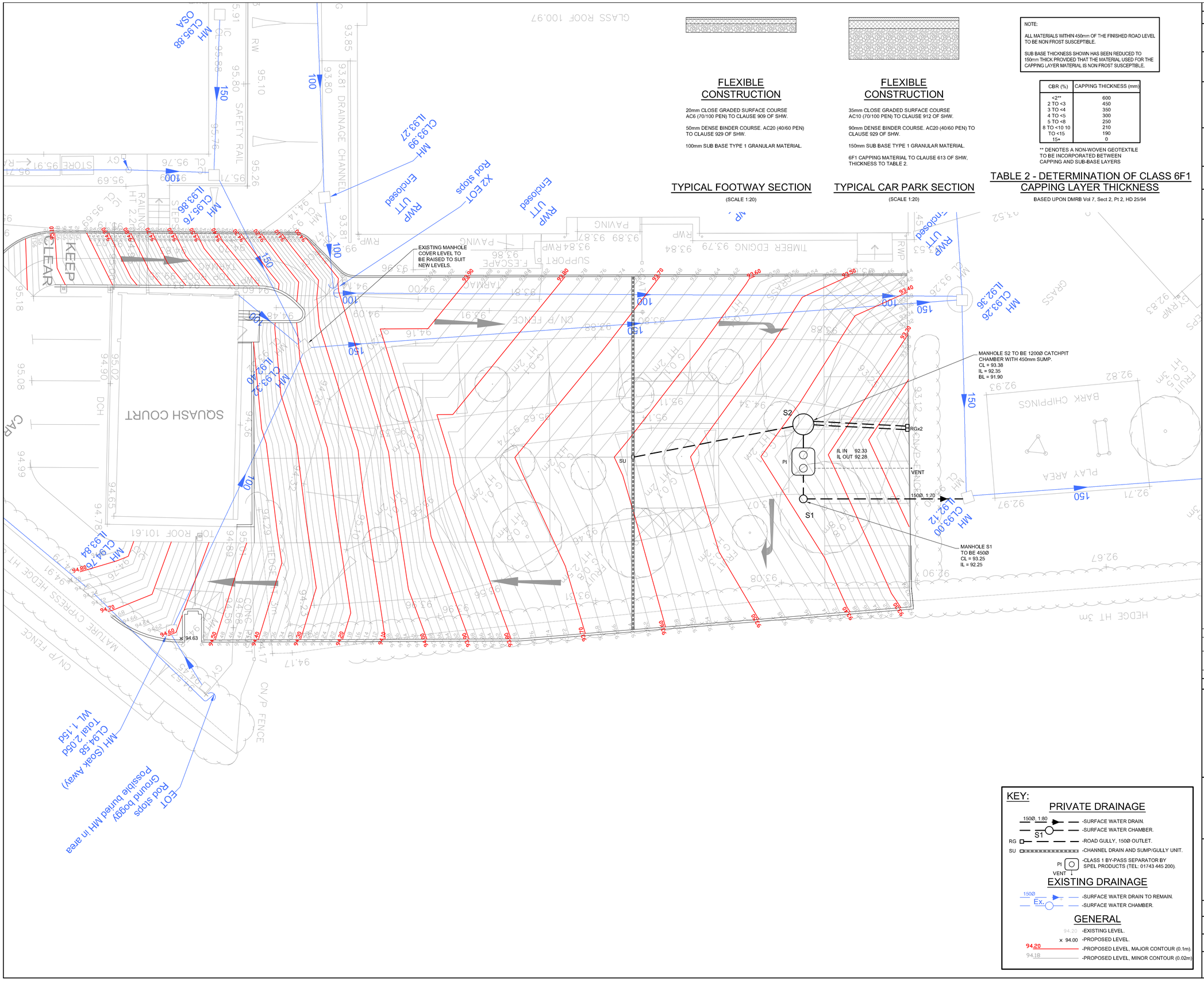

FLEXIBLE CONSTRUCTION

20mm CLOSE GRADED SURFACE COURSE AC6 (70/100 PEN) TO CLAUSE 909 OF SHW.

50mm DENSE BINDER COURSE. AC20 (40/60 PEN) TO CLAUSE 929 OF SHW.

100mm SUB BASE TYPE 1 GRANULAR MATERIAL.

TYPICAL FOOTWAY SECTION

(SCALE 1:20)

FLEXIBLE CONSTRUCTION

35mm CLOSE GRADED SURFACE COURSE AC10 (70/100 PEN) TO CLAUSE 912 OF SHW.

90mm DENSE BINDER COURSE. AC20 (40/60 PEN) TO CLAUSE 929 OF SHW.

150mm SUB BASE TYPE 1 GRANULAR MATERIAL.

6F1 CAPPING MATERIAL TO CLAUSE 613 OF SHW, THICKNESS TO TABLE 2.

TYPICAL CAR PARK SECTION

(SCALE 1:20)

NOTE:

ALL MATERIALS WITHIN 450mm OF THE FINISHED ROAD LEVEL TO BE NON FROST SUSCEPTIBLE.

SUB BASE THICKNESS SHOWN HAS BEEN REDUCED TO 150mm THICK PROVIDED THAT THE MATERIAL USED FOR THE CAPPING LAYER MATERIAL IS NON FROST SUSCEPTIBLE.

CBR (%)	CAPPING THICKNESS (mm)
<2**	600
2 TO <3	450
3 TO <4	350
4 TO <5	300
5 TO <8	250
8 TO <10	210
10 TO <15	190
15+	0

** DENOTES A NON-WOVEN GEOTEXTILE TO BE INCORPORATED BETWEEN CAPPING AND SUB-BASE LAYERS

TABLE 2 - DETERMINATION OF CLASS 6F1 CAPPING LAYER THICKNESS

BASED UPON DMRB Vol 7, Sect 2, Pt 2, HD 25/94

KEY:

PRIVATE DRAINAGE

- 150Ø, 1:80 -SURFACE WATER DRAIN.
- S1 -SURFACE WATER CHAMBER.
- RG -ROAD GULLY, 150Ø OUTLET.
- SU -CHANNEL DRAIN AND SUMP/GULLY UNIT.
- PI -CLASS 1 BY-PASS SEPARATOR BY SPEL PRODUCTS (TEL: 01743 445 200).
- VENT

EXISTING DRAINAGE

- 150Ø Ex. -SURFACE WATER DRAIN TO REMAIN.
- -SURFACE WATER CHAMBER.

GENERAL

- 94.20 -EXISTING LEVEL.
- × 94.00 -PROPOSED LEVEL.
- 94.20 -PROPOSED LEVEL, MAJOR CONTOUR (0.1m).
- 94.18 -PROPOSED LEVEL, MINOR CONTOUR (0.02m).

Do not scale from this drawing.

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.

RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM NO.

CONSTRUCTION

DEMOLITION

FOR INFORMATION RELATING TO USE, CLEANING AND MAINTENANCE SEE THE HEALTH AND SAFETY FILE

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.

NOTES

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEER'S AND ARCHITECT'S DRAWINGS AND SPECIFICATIONS.
2. BASE DRAWING INFORMATION IS TAKEN FROM THE FOLLOWING:
   a. MK SURVEYS, TOPOGRAPHICAL SURVEY, 15909, REV 5
   b. CHQ ARCHITECTWS, PROPOSED SITE PLAN, CHQ.17.15107-PL03, REV -
3. INVERT LEVELS OF EXISTING DRAINAGE AT PROPOSED OUTFALL TO BE VERIFIED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION OF ANY DRAINAGE.
4. EXISTING LEVELS TAKEN FROM TOPOGRAPHIC SURVEY, TO BE CHECKED ON SITE AND ANY DISCREPANCIES REPORTED TO FAIRHURST PRIOR TO CONSTRUCTION OF TIE IN BETWEEN EXISTING AND PROPOSED HIGHWAY.

TENDER ISSUE

THIS DRAWING IS FOR TENDER PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT.

Rev.	Date	Description	Drwn.	Chkd.	Appd.
C	30/05/18	FOOTWAY CONSTRUCTION DETAIL ADDED.	MAH	MAH	X
B	14/05/18	SITE PLAN UPDATED, LEVELS AND DRAINAGE AMENDED TO SUIT.	MAH	MAH	X
A	03/05/18	LEVELS AND DRAINAGE AMENDED TO PULL AWAY FROM THE BOUNDARY AND SEND TO EXISTING SYSTEM.	MAH	MAH	X
-	26/04/18	PRELIMINARY ISSUE.	MAH	MAH	X

FAIRHURST
160 LONDON ROAD
SEVENOAKS
TN13 2JA

Tel: 01732 460 142
Fax: 01732 459 249

Client: CHQ ARCHITECTS.

Project Title: ST CHRISTOPHER'S SCHOOL, NEW CAR PARK.

Drawing Title: ENGINEERING LAYOUT.

Scale at A1:	Status:	
1:100	TENDER	
Drawn: MAH	Checked: MAH	Approved: -
Date: APR'18	Date: APR'18	Date: -
Drawing No.: 126147 / C.01		Revision: C