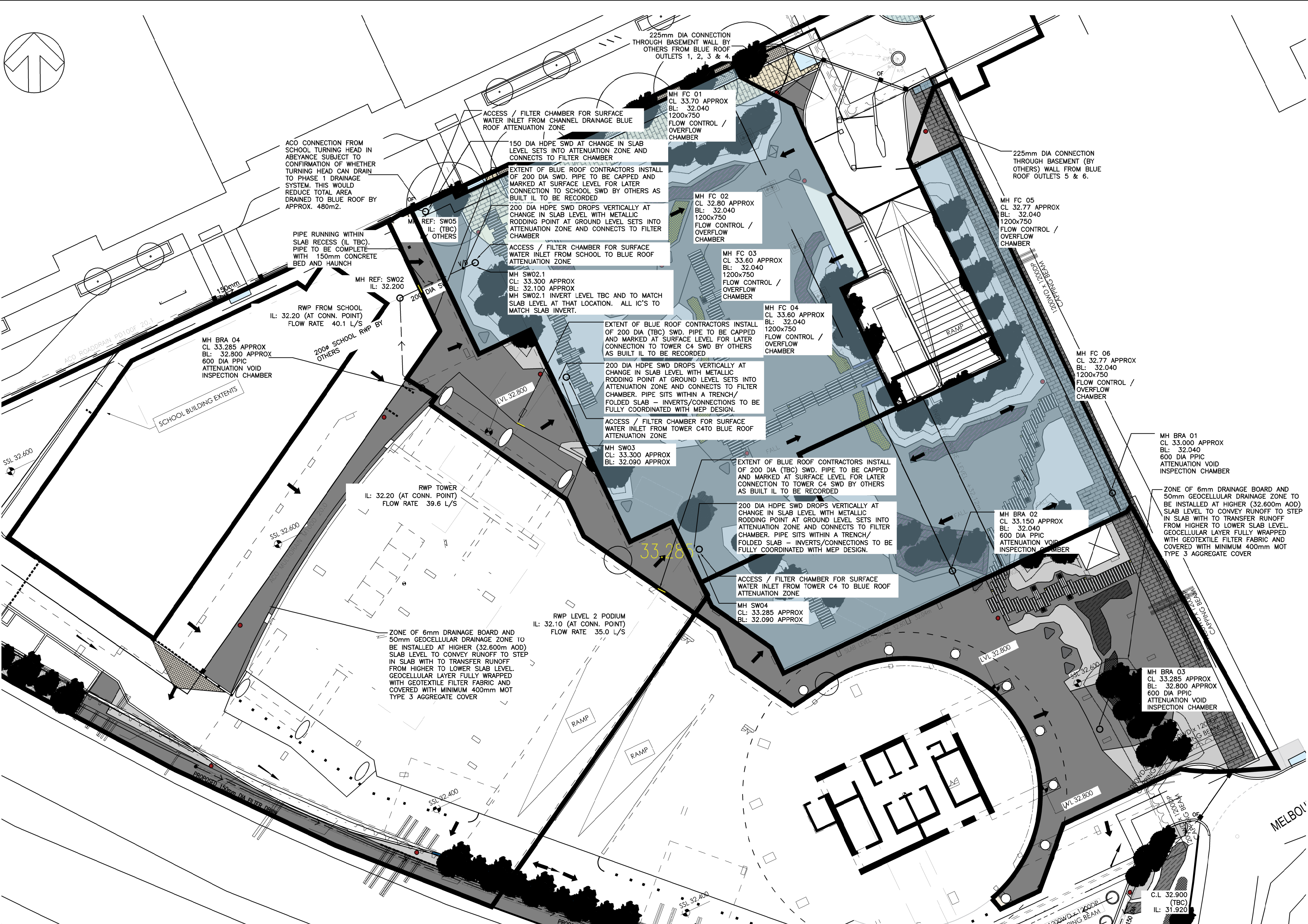
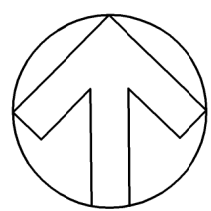




BLUE ROOF MANHOLE SCHEDULE

REFERENCE	DESCRIPTION	COVER LEVEL	BASE LEVEL	CONSTRUCTION	CHAMBER SIZE	COVER	COMMENTS
MH BRA 01	ATTENUATION VOID INSPECTION CHAMBER	33.000	32.040	PPIC DIA 600	DA 600	SIZE:TBC CLASS: C400	-
MH BRA 02	ATTENUATION VOID INSPECTION CHAMBER	33.150	32.040	PPIC DIA 600	DA 600	SIZE:TBC CLASS: C400	-
MH BRA 03	ATTENUATION VOID INSPECTION CHAMBER	33.285	32.800	PPIC DIA 600	DA 600	SIZE:TBC CLASS: C250	-
MH BRA 04	ATTENUATION VOID INSPECTION CHAMBER	33.285	32.800	PPIC DIA 600	DA 600	SIZE:TBC CLASS: C400	-
MH FC 01	FLOW CONTROL / OVERFLOW CHAMBER	33.70	32.040	TBC	1200X1200	COVER SIZE 1200X675 CLASS: C250	-
MH FC 02	FLOW CONTROL / OVERFLOW CHAMBER	32.80	32.040	TBC	1200X750	COVER SIZE 1200X675 CLASS: C400	-
MH FC 03	FLOW CONTROL / OVERFLOW CHAMBER	33.60	32.040	TBC	1200X1200	COVER SIZE 1200X675 CLASS: C250	-
MH FC 04	FLOW CONTROL / OVERFLOW CHAMBER	33.60	32.040	TBC	1200X1200	COVER SIZE 1200X675 CLASS: C250	-
MH FC 05	FLOW CONTROL / OVERFLOW CHAMBER	32.77	32.040	TBC	1200X750	COVER SIZE 1200X675 CLASS: C400	-
MH FC 06	FLOW CONTROL / OVERFLOW CHAMBER	32.77	32.040	TBC	1200X750	COVER SIZE 1200X675 CLASS: C400	-
MH REF SW02	TBC	32.200		TBC	TBC	TBC CLASS: C400	-
MH REF SW02.1	ACCESS / FILTER CHAMBER FOR SURFACE WATER INLET FROM SCHOOL TO BLUE ROOF ATTENUATION ZONE	33.300	32.100	TBC	1200X1200	COVER SIZE 1200X675 CLASS: C250	-
MH REF SW03	ACCESS / FILTER CHAMBER FOR SURFACE WATER INLET FROM TOWER C4 TO BLUE ROOF ATTENUATION ZONE	33.300	32.090	TBC	1200X1200	COVER SIZE 1200X675 CLASS: C250	-
MH REF SW04	ACCESS / FILTER CHAMBER FOR SURFACE WATER INLET FROM TOWER C4 TO BLUE ROOF ATTENUATION ZONE	33.285	32.090	TBC	1200X1200	COVER SIZE 1200X675 CLASS: C400	-
MH REF SW05	ACCESS / FILTER CHAMBER FOR SURFACE WATER INLET FROM CHANNEL DRAINAGE TO BLUE ROOF ATTENUATION ZONE	TBC	TBC	TBC	TBC	COVER SIZE 1200X675 CLASS: C400	-

KEY

- EXTENT OF BLUE ROOF ATTENUATION
- EXTENT OF DRAINAGE BOARD
- ZONE DISCHARGING TO BLUE ROOF

COVER AND FRAME TO BS EN 124 AS
DETAILED ON MANHOLE SCHEDULE

BED AND HAUNCH COVER AND FRAME
WITH 3:1 CEMENT MORTAR TO SUIT
REGULATING COURSES IN CLASS B
ENGINEERING BRICKWORK, MINIMUM 2
COURSES, MAXIMUM 4 COURSES

CLASS B ENGINEERING BRICKS TO BS
3921 IN 1:3 CEMENT MORTAR ENGLISH
BOND 215mm (minimum) THICKNESS

MANHOLE PERFORATED TO ALLOW
FOR A WATER FLOW

FREE ISSUE OUTLETS TO WATERPROOFING CONTRACTOR.
DOWNSTREAM PIPEWORK TO OTHERS

OUTLET AND OVERFLOW SECTION WITHIN SOFT LANDSCAPE
(MAXIMUM DEPTH 600MM)
SCALE: 1:50

WHERE CLASS C OR D COVER IS USED THE SLAB SHALL
BE 250mm THICK C35 CONCRETE WITH 12mm HIGH YIELD
STEEL (OR 16mm MILD STEEL) BARS AT 100mm c/c
EACH WAY WITH 40mm COVER FROM UNDERSIDE OF SLAB.
WHERE CLASS A OR B COVER IS USED THE SLAB SHALL
BE 150mm THICK C35 UNREINFORCED CONCRETE.

COVER SLAB TO BE BEDDED ON MORTAR OR PROPRIETARY BITUMEN
OR RESIN MASTIC SEALANT WITH MORTAR POINTING TO INTERNAL
FACE

BUILD UP TO SURFACE FINISHES BY OTHERS

300 MM MOT TYPE 3

GEOTEXTILE FILTER TO PROVIDE CONTINUOUS ENVELOPE TO
ATTENUATION ADHERED TO CHAMBER WALL

300mm DEEP GEOCELLULAR ZONE

6 MM DRAINAGE BOARD

WATERPROOFING LAYER BY OTHERS

FLOW CONTROL OUTLET WITH INTEGRAL OVERFLOW

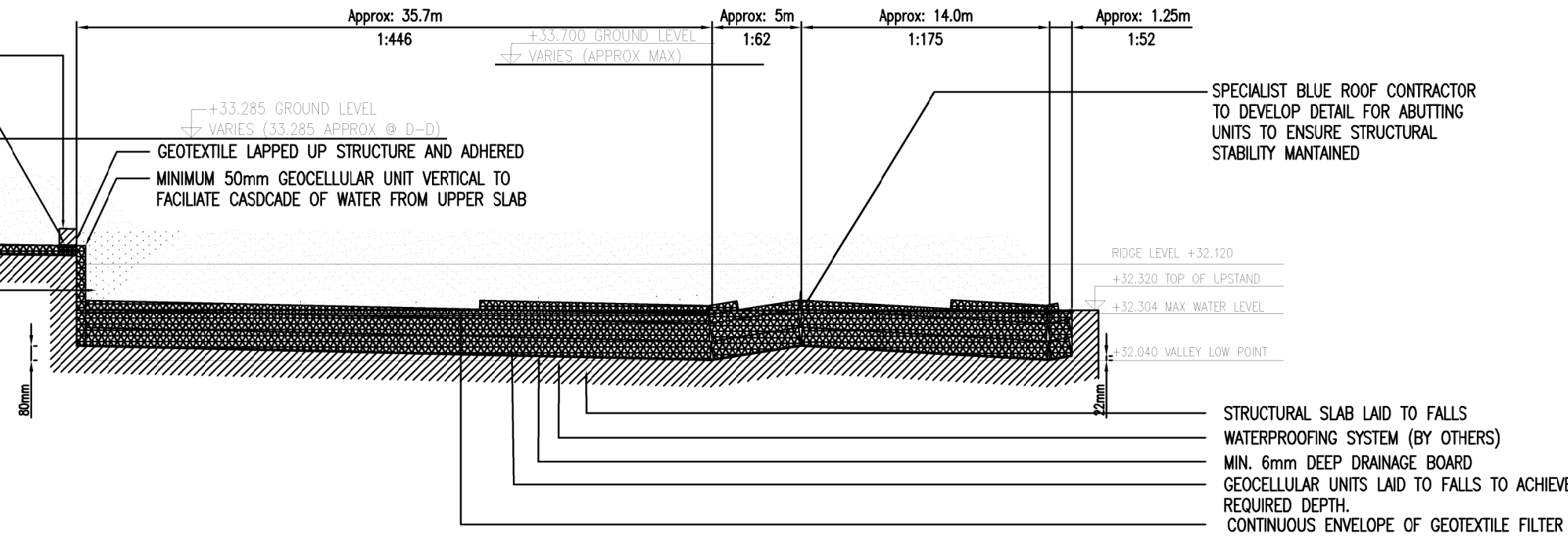
FLOW CONTROL FILTER BOX
#150 OVERFLOW WITH HIGH EFFICIENCY OUTLET (MIN FLOW RATE
10 L/S AT 25 MM HEAD)

HIT AND MISS UPSTAND TO RETAIN UPPER
DRAINAGE LAYER

AGGREGATE INFILL TO 150mm 'MOUSEHOLES' @
150mm INTERVALS TO ALLOW FREE PASSAGE OF
WATER

MINIMUM 400mm AGGREGATE COVER TO
ATTENUATION UNITS TO PROVIDE TEMPORARY FLAT
SURFACE. AGGREGATE TYPE TO BE CONFIRMED
(ASSUME MOT TYPE 3 FOR TENDER PURPOSES)

SKETCH SECTION
SCALE: HORIZONTAL 1:100, VERTICAL 1:20



SPECIALIST BLUE ROOF CONTRACTOR
TO DEVELOP DETAIL FOR ABUTTING
UNITS TO ENSURE STRUCTURAL
STABILITY MAINTAINED

STRUCTURAL SLAB LAID TO FALLS
WATERPROOFING SYSTEM (BY OTHERS)
MIN. 6mm DEEP DRAINAGE BOARD
GEOCELLULAR UNITS LAID TO FALLS TO ACHIEVE
REQUIRED DEPTH.
CONTINUOUS ENVELOPE OF GEOTEXTILE FILTER

Notes

TENDER

Revision

Date Drawn By Checked

Revision
01 Draft Issue For Comments
701 TENDER

Date Drawn By Checked
14.07.2021 CH
05.08.2021 CH

Date: March 2021 Client: RENAKER

Drawn: CDH Project: Crown Street Phase 2

Check: P01 Title: Blue roof layout

Scale: 1:150 @ A1 Dwg No. Z1-WTE-G770-PL-XX-PH01

Revision: 01