



PROPOSED ATTENUATION TANK:

- STORAGE VOLUME: 140m³
- DEPTH OF TANK: 1.000m
- TANK DIMENSION: 20x7x1.0 (m)
- COVER LEVEL OF GROUND: VARIES WITH MINIMUM 800mm COVER
- INVERT LEVEL OF BASE OF TANK: 118.930
- PRODUCT: HYDRO INTERNATIONAL'S STORMBLOC EXTRA OR SIMILAR APPROVED

NOTE:

EXISTING COMBINED DRAINAGE RUN TO BE RETAINED. THE CONTRACTOR TO CONFIRM THE COVER LEVEL AND INVERT LEVELS OF THE EXISTING COMBINED DRAINAGE MANHOLES/RUN ON SITE.
THE CONTRACTOR ALSO NEED TO MAKE SURE THAT THE EXISTING COMBINED DRAINAGE DOWNSTREAM RUN OF MH22 HAS ADEQUATE DRAINAGE NETWORK IN PLACE.

PROPOSED MANHOLE WITH FLOW CONTROL DEVICE (HYDROBRAKE) DISCHARGE RATE TO RESTRICT SURFACE WATER FLOW TO 5/L/S.

15
CL: 120.900m
Depth: 2.061m
IL: 118.839m
Diam.: 1.200m

14
CL: 120.400m
Depth: 0.951m
IL: 119.449m
Diam.: 0.900m

8
CL: 120.030m
Depth: 0.953m
IL: 119.077m
Diam.: 0.900m

DIVERSION MANHOLE 4
CL: TBC
IL: TBC

EXISTING MANHOLE 09 (AS PER CCTV SURVEY)
CL: TBC

17
CL: 120.250m
Depth: 1.825m
IL: 118.425m
Diam.: 0.900m

NON-RETURN VALVE TO BE INSTALLED IN THIS MANHOLE.

PROPOSED SW & FW CONNECTION MANHOLE:

PROPOSED SURFACE WATER AND FOUL WATER DRAINAGE CONNECTION TO EXISTING FOUL WATER MANHOLE.

THIS MANHOLE AND THE ASSOCIATED OUTGOING PIPE TO BE REINSTATED TO A COMBINED DRAINAGE SYSTEM.

EX MH18
CL: 120.070m
Depth: 1.680m
IL: 118.390m
Diam.: 1.200m

6
CL: 120.900m
Depth: 1.230m
IL: 119.290m
Diam.: 0.900m

25
CL: 119.980m
Depth: 1.112m
IL: 118.768m
Diam.: 450mm

NOTE:
THE TWO SVPS TO BE CONNECTED TO PROPOSED INSPECTION CHAMBER AT THE PROPOSED LOCATION SUBJECT TO FOUNDATION PLAN. THE SVPS TO RUN PARALLEL TO AVOID CLASH WITH FOUNDATION.

DIVERSION MANHOLE 2
CL: 122.515m
Depth: 1.759m
IL: 120.756m
IL OUT: 119.950

DIVERSION MANHOLE 1
CL: 123.400m
Depth: 2.400m
IL: 120.980m
BACK DROP 1.5M

9
CL: 121.700m
Depth: 2.200m
IL: 119.500m
Diam.: 0.900m

10
CL: 120.770m
Depth: 1.511m
IL: 119.259m
Diam.: 0.900m

2
CL: 119.988m
Depth: 0.882m
IL: 119.104m
Diam.: 0.600m

3
CL: 120.030m
Depth: 0.834m
IL: 119.196m
Diam.: 0.600m

3A
CL: 119.988m
Depth: 0.882m
IL: 119.104m
Diam.: 0.600m

19
CL: 119.980m
Depth: 0.500m
IL: 119.480m
Diam.: 450mm

20
CL: 119.98m
Depth: 0.669m
IL: 119.311m
Diam.: 450mm

21
CL: 119.980m
Depth: 0.851m
IL: 119.129m
Diam.: 450mm

22
CL: 119.980m
Depth: 0.917m
IL: 119.063m
Diam.: 450mm

23
CL: 119.980m
Depth: 0.948m
IL: 119.032m
Diam.: 450mm

24
CL: 119.980m
Depth: 1.100m
IL: 118.880m
Diam.: 450mm

25
CL: 119.980m
Depth: 1.112m
IL: 118.768m
Diam.: 450mm

26
CL: 119.980m
Depth: 1.112m
IL: 118.768m
Diam.: 450mm

27
CL: 120.050m
Depth: 1.050m
IL: 119.000m
Diam.: 450mm

28
CL: 120.100m
Depth: 1.141m
IL: 118.959m
Diam.: 450mm

29
CL: 120.200m
Depth: 1.379m
IL: 118.821m
Diam.: 450mm

30
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

31
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

32
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

33
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

34
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

35
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

36
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

37
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

38
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

39
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

40
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

41
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

42
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

46
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

47
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

48
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

53
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

54
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

56
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

57
CL: 120.500m
Depth: 1.878m
IL: 118.622m
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CL: 120.500m
Depth: 1.878m
IL: 118.622m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

61
CL: 120.500m
Depth: 1.878m
IL: 118.622m
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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
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Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

67
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
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CL: 120.500m
Depth: 1.878m
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71
CL: 120.500m
Depth: 1.878m
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Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
IL: 118.622m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
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CL: 120.500m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
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89
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
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91
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
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CL: 120.500m
Depth: 1.878m
IL: 118.622m
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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
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CL: 120.500m
Depth: 1.878m
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Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
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Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

100
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

101
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

102
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

103
CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
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CL: 120.500m
Depth: 1.878m
IL: 118.622m
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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
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Depth: 1.878m
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Depth: 1.878m
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Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
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Depth: 1.878m
IL: 118.622m
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CL: 120.500m
Depth: 1.878m
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CL: 120.500m
Depth: 1.878m
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Depth: 1.878m
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Depth: 1.878m
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Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

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CL: 120.500m
Depth: 1.878m
IL: 118.622m
Diam.: 600mm

141
CL: 120.500m
Depth: 1.878m
IL: 118.622