MH S14 1500Ø
CL 34.75
INCOMING IL 31.89
OUTGOING IL 31.84
NAYLOR SMART FILTER CHAMBER SF03.1B
1.2 x 0.8 x 1.2m
1200Ø RINGS TO BE CONSTRUCTED ABOVE CHAMBER

MH S13 1500Ø
FLOW CONTROL MANHOLE
CL 34.45
IL 31.90
HYDROBRAKE OPTIMUM
DESIGN HEAD 0.7m
DESIGN FLOW 25.0 l/s
300mm OVERFLOW PIPE SET AT 32.72

CONNECT TO EXISTING MANHOLE. EXISTING CONNECTION TO BE REUSED
IL 31.74

MH S12
1500Ø (CP)
CL 35.40
IL 31.95

EXISTING ATTENUATION TANK AND DRAINAGE UNDER BUILDING FOOTPRINT TO BE REMOVED.
PROPOSED ATTENUATION TANK AND OUTFALL REQUIRES INSTALLING PRIOR TO REMOVAL OF EXISTING TANK

225Ø 1:40
150Ø
450Ø
Ø300
0.842
450Ø 1:120
0.469
450Ø 1:67
225Ø 1:50
225Ø 1:150
150Ø

EXISTING ELECTRICAL CABLE PASSES THROUGH FOOTPRINT OF PROPOSED ATTENUATION TANK. CONFIRMATION REQUIRED THAT CABLE IS TO BE REMOVED/ DIVERTED.

ATTENUATION TANK.
REQUIREMENT OF 317m³ (212m² x 1.6m DEEP)
BASED ON 95% VOID RATIO.
TANK TO BE IN ACCORDANCE ACCORDANCE WITH CIRIA C682
BASE OF TANK LEVEL: 32.00
TOP OF TANK LEVEL: 33.60
MINIMUM COVER IN TEMPORARY AND PERMANENT CONDITION 1.2m
TANK TO BE SUFFICIENT TO ACCEPT HGV LOADING

- FURTHER COORDINATION IS REQUIRED BETWEEN THE ATTENUATION TANK AND THE ACCESS ROUTE
- THE LOCATION OF THE TANK WILL REQUIRE CO-ORDINATION WITH THE LANDSCAPING AND PLANTING ARRANGEMENTS. HOWEVER, THE SHAPE OF THE TANK CAN BE ADJUSTED IF REQUIRED

REVISED ATTENUATION TANK LOCATION
TOTAL STORAGE REQUIREMENT OF **317m³** BASED ON A SINGLE ATTENUATION TANK AND FREE DISCHARGE FROM ADDITIONAL AREA & 40% CLIMATE CHANGE

DRAINAGE REMOVAL - TO BE COMPLETED WITH ENABLING WORKS

MH S08 600Ø
CL 36.51
IL 34.37

TEMPORARY ROAD TO BE INSTALLED AS PART OF THE ENABLING WORKS. REFER TO TEMPORARY ROAD SPECIFICATION FOR DETAILS OF BUILD UP

PERMANENT ROAD TO BE INSTALLED AS PART OF THE ENABLING WORKS. REFER TO PERMANENT ROAD SPECIFICATION FOR DETAILS OF BUILD UP

MH S07 1200Ø
CL 36.60
IL 34.53

STUB CONNECTION TO BE INSTALLED UP TO EXTENT OF ROAD INSTALLED UNDER ENABLING WORKS

PROPOSED ROAD GULLY D400 GRATING INSTALLED WITH NAYLOR SMART SPONGE TO INLET

EXISTING CATCHPIT MANHOLE (MH S16)
CL: 35.78
IL: 32.31
SL: 31.85
EXISTING OUTLET TO BE REUSED

MH S05 1500Ø
CL 35.20
BDIL 34.07
IL 32.12

DESIGN RISKS:
ALL NOTES HIGHLIGHTED IN RED REFER TO DESIGN RISKS THAT HAVE BEEN NOTED DUE TO THE REVISED BUILDING PROPOSALS.

DRAWING BASED ON:

ARCHITECT'S LAYOUTS
- CS3-CWC-03-00-DR-M-5201

LANDSCAPE ARCHITECT'S LAYOUT
- 1502a-PLA-XX-XX-DR-L-0001 REV P02 LANDSCAPE GA

PROPOSED SERVICES
- MARKED UP SKETCH OF CSE-CWC-03-EX-DR-ME-9002 RECEIVED 11.03.20 (INDICATIVE DRAINAGE POP-UPS & FLOWS)
- CSE-CWC-03-EX-DR-ME-9003 REV P1 (DRAFT) PROPOSED ELECTRICAL SERVICES PLAN

PROPOSED STRUCTURAL INFORMATION.
- CS3-CUR-03-FN-DR-S-1600 REV P03 FOUNDATION GA
- CS3-CUR-03-GF-DR-S-2000 REV P04 GROUND FLOOR GA

PHASE 1A DRAINAGE LAYOUT
- MA1347-70-00-01 C11

PLOT 14 DRAINAGE LAYOUT
- 064428-CUR-FS-XX-DR-C-92500 F01

TOPOGRAPHICAL SURVEY
- 15E146/004 BY SURVEY OPERATIONS RECEIVED AUGUST 2015

"RESIDUAL HAZARD REGISTER (RELATES TO CIVIL/STRUCTURAL MATTERS ONLY)
MUST BE READ IN CONJUNCTION WITH CURTINS RESIDUAL HAZARD REGISTER 080355-CUR-ZZ-XX-HA-X-00001.
HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING. SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED, THE CONTRACTOR SHOULD NOTIFY ALL RELEVANT PROJECT TEAM MEMBERS."

HAZARD REF No.	ITEM (FEATURE, ELEMENT OR ACTIVITY)	RESIDUAL HAZARD
3.01	EXISTING LIVE SERVICES	EXISTING LIVE SERVICES (AS NOTED AND SITEWIDE)
4.01	PROXIMITY TO LIVE BUILDINGS	UNDERMINING OR DAMAGE TO ADJACENT FOUNDATIONS DAMAGE TO EXISITING BUILDINGS
5.01	DEEP EXCAVATION	DEEP EXCAVATION MORE THEN 3M
8.01	PROXIMITY TO PEDESTRIAN ROUTES	CONSTRUCTION ACTIVITIES IN CLOSE PROXIMITY TO THE LIVE EXISTING CAR PARK/ HOTEL.
8.02	WORKING ADJACENT TO PUBLIC HIGHWAY	CONSTRUCTION ACTIVITIES IN CLOSE PROXIMITY TO THE LIVE PUBLIC HIGHWAY
8.03	CONSTRUCTION	HIGHWAYS ACCESS - MANAGEMENT OF ACCESS AND EGRESS FOR CONSTRUCTION WORKS
11.01	FLOOD RISK	THE SITE SITS PARTIALLY WITHIN A FLOOD ZONE 2 AREA

KEY:

- PLANNING BOUNDARY TAKEN FROM LANDSCAPE ARCHITECTS PLAN 1502a-PLA-XX-XX-DR-L-0002
- PROPOSED BUILDING EXTENTS

EXISTING DRAINAGE
- AS CONSTRUCTED SW DRAINAGE
- AS CONSTRUCTED FOUL DRAINAGE
- PRE-DEVELOPMENT DRAINAGE (ASSUMED ABANDONED - TBC)
- DRAINAGE TO BE ABANDONED/ REMOVED UNDER MAIN WORKS

PROPOSED ENABLING WORKS DRAINAGE
- PROPOSED SW DRAINAGE
- PROPOSED CELLULAR ATTENUATION STORAGE
- ROAD GULLY
- PROPOSED FILTER DRAIN
- DRAINAGE TO BE ABANDONED/ REMOVED UNDER ENABLING WORKS
- EXTENT OF UNDRGROUND SUBSTATION (ASSUMED- FURTHER SURVEY REQUIRED)
- INDICATIVE TEMPORARY ROAD

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING CS3-CUR-03-XX-DR-C-9210.
5. FURTHER CO-ORDINATION REQUIRED BETWEEN EXTERNAL SERVICES AND THE PROPOSED DRAINAGE.

FOR DETAILS OF THE OVERALL DRAINAGE STRATEGY, REFER TO DRAWING CS3-CUR-03-XX-DR-C-9200.

Rev:	Description:	Date:	By:	Chkd:
C01	ISSUED FOR CONSTRUCTION	10/11/22	CS	ATL
P05	SCALE UPDATED	14/10/22	HS	HS
P04	LINK ROAD/DRAINAGE UPDATED	14/09/22	HS	HS
P03	STAGE 3 ISSUE	24.06.22	CS	CG
P02	ISSUED FOR TENDER	18.04.22	CG	CG
P01	ISSUED FOR TENDER	18.03.22	ATL	CG

curtins
Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG
0161 236 2394
manchester@curtins.com
www.curtins.com
Civils & Structures • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer
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Status: CONSTRUCTION

Project: N0 3 CIRCLE SQUARE

Drg Title: DRAINAGE ENABLING WORKS

Drawn By	Designed By	Checked By
ATL	ATL	CG
	Date: 18.03.22	Scales @ A1: 1:200

Project No - Originator - Function - Spatial - Form - Discipline - Number: CS3 - CUR - 03 - XX - DR - C - 9202

Revision: C01

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