CENTRAL DRIVE

OUTFALL

N11 450Ø
CL 73.29
IL 72.59

N11A 450Ø
CL 73.70
IL 72.72

N12A 450Ø
CL 74.80
IL 73.70

N3
CL:73.15
IL:71.49
FLOW RESTRICTION 5l/s
HYDROBRAKE
MD-SHE-0103-5000-1200-5000

N12 450Ø
CL 74.07
IL 73.54

N13 450Ø
CL 73.63
IL 72.52

N14 450Ø
CL 73.35
IL 72.43

Retaining Wall

RWP

CASTLOT 225

CASTLOT 150

CASTLOT STEPS
TO CREATE FALL

CAR PARK DRAINAGE TO CONNECT TO FUTURE MASTERPLAN DRAINAGE. DISCHARGE LIMITED TO GREENFIELD RUNOFF RATES. (LIMIT SET AT 5 l/s AS GREENFIELD RATES ARE TOO LOW TO RESTRICT

GENERAL PIPE SIZES, DEPTHS AND GRADIENTS

SOME PIPE DIAMETERS HAVE NOT BEEN SHOWN FOR CLARITY:
- ALL FOUL DRAINAGE & SURFACE WATER IS 150Ø UNLESS NOTED OTHERWISE
- ALL SURFACE WATER DRAINAGE IS 150Ø UNLESS NOTED OTHERWISE

PIPE GRADIENTS NOT SHOWN FOR CLARITY

FOR PURPOSES OF COSTING, ALL PERFORATED LAND DRAINAGE IS ASSUMED TO LAID AT A COVER DEPTH OF 600mm

FA1 450Ø
CL 74.89
IL 73.90

N2
CL:73.81
IL:71.75

FA2A 450Ø
CL 75.03
IL 73.69

SA3A 6000Ø
CL 75.21
IL 73.80

FA2B 4500Ø
CL 75.40
IL 73.69

LOWER GROUND FLOOR
CONNECTION INVERT LEVELS
FOUL POP-UPS & RWPs 74.925
UNLESS NOTED OTHERWISE

ALL FOUL & SURFACE CONNECTIONS ARE 150Ø LAID AT MIN 1:80

LAND DRAIN TO REAR OF RETAINING WALL

UPPER GROUND FLOOR DRAINAGE
CONNECTION INVERT LEVELS
FOUL POP-UPS & RWPs: 79.200
UNLESS NOTED OTHERWISE

ALL FOUL & SURFACE CONNECTIONS ARE 150Ø LAID AT MIN 1:80

ATTENUATION TANK 152 M3
AREA200m2
HEIGHT 0.80
BASE 71.755

N1
CL:74.46
IL:71.80

FA2C 4500
CL 75.30
IL 73.82
BD IL 74.00

FA2 4500
CL 75.30
IL 73.49

SA3B 6000Ø
CL 75.36
IL 73.62

LOWER GROUND FLOOR
FFL 75.500
SSL 75.350
TOF 74.825

FA4A 4500
CL 75.50
IL 74.50

SA3C 4500
CL 75.50
IL 74.45

SS IL 74.775

SS IL 74.775

FA3B 4500
CL 75.24
IL 73.24

SA3G 6000
CL 75.25
IL 73.12

FA3A 4500
CL 75.33
IL 74.25

SA3D 4500
CL 75.42
IL 74.37

SA3E 4500
CL 75.35
IL 74.30

FA4D 4500
CL 75.34
IL 74.29

FA4C 4500
CL 75.45
IL 74.29

FA4B 4500
CL 75.46
IL 74.33

SA4A 4500
CL 75.41
IL 73.90

FA4E 4500
CL 75.34
IL 74.29

FA4F 4500
CL 75.38
IL 74.01

SA4C 4500
CL 75.33
IL 73.71

SA4B 4500
CL 75.31
IL 74.25

FA6B 4500
CL 75.33
IL 74.24

FA6A 4500
CL 75.33
IL 74.33

FA3 4500
CL 74.20
IL 73.03

SA3 15000
CATCHPIT
CL 75.02
IL 72.96

FA4H 4500
CL 75.33
IL 74.29

FA4I 4500
CL 75.33
IL 74.23

FA4G 4500
CL 75.38
IL 73.86

FA5A 4500
CL 75.43
IL 74.00

REFER TO NMGNPH-VV-XX-DR-C-9252

SB1 15000
CL 79.58
IL 78.43

FB4A 4500
CL 79.61
IL 78.20

FB4B 4500
CL 79.60
IL 78.13

SB4 15000
CL 79.62
IL 78.17

FB4 4500
CL 79.69
IL 78.55

SB3 12000
CL 79.69
IL 78.41

FB10B 4500
CL 79.70
IL 78.63

FB10D 4500
CL 79.61
IL 78.55

FB10E 4500
CL 79.61

FB4C 4500
CL 79.61
IL 78.05

FB3 4500
CL 79.68
IL 78.44

FB4 4500
CL 79.66
IL 78.00

FB2 4500
CL 79.60
IL 78.51

SB1A 4500
CL 79.62
IL 78.86

FB1 4500
CL 79.61
IL 78.60

FB5A 4500
CL 79.68
IL 78.55

FB5 4500
CL 79.60
IL 77.84

FB6A 4500
CL 79.60
IL 78.55

SB6B 4500
CL 79.63
IL 78.46

SB2 4500
CL 79.61
IL 78.50

FB6C 4500
CL 79.65
IL 78.32

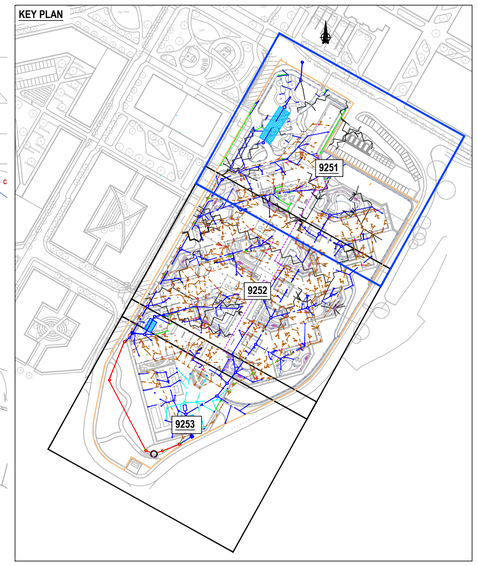
FB6 4500
CL 79.70
IL 77.54

FB7 4500
CL 79.62
IL 77.48

FB8 4500

UPPER GROUND FLOOR
FFL 79.775
SSL 79.625
TOF 79.100

KEY PLAN



GENERAL NOTES:

FOR DRAWING REFERENCES REFER TO DRAWING NMGNPH-CUR-VV-XX-DR-C-9250

FOR FULL DRAINAGE NOTES REFER TO DRAWING NMGNPH-CUR-VV-XX-DR-C-9260

KEY:

- SITE BOUNDARY BASED ON LANDSCAPE ARCHITECT'S LAYOUT
- EXISTING PUBLIC COMBINED SEWER
- EXISTING PRIVATE COMBINED DRAINAGE
- EXISTING PRIVATE SURFACE WATER DRAINAGE
- EXISTING PRIVATE FOUL DRAINAGE
- PROPOSED COMBINED MANHOLE
- PROPOSED FOUL DRAINAGE
- PROPOSED FOUL DRAINAGE MANHOLE/ INSPECTION CHAMBER
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED SURFACE WATER ROUTED THROUGH PETROL INTERCEPTOR
- PROPOSED SURFACE WATER MANHOLE/ INSPECTION CHAMBER
- PROPOSED FLOW CONTROL MANHOLE
- PROPOSED CELLULAR ATTENUATION TANK
- PROPOSED ARBORCELL
- PROPOSED BACKDROP
- PROPOSED ROAD GULLY
- PROPOSED GULLY TO SEATING AREA
- PROPOSED FOUL CONNECTION
 SVP - SOIL VENT PIPE
 SS - STUB STACK
 SG - SHOWER GULLY
 FG - FOUL GULLY
- PROPOSED RAINWATER PIPE
- DRAINAGE CAST PASSES THROUGH STRIP FOOTING*
- DRAINAGE PASSES UNDER STRIP FOOTING**
- LINEAR DRAINAGE CHANNEL
 GATIC CASTSLOT TREADSAFE (150 UNLESS NOTED OTHERWISE)
- AB LINEAR DRAINAGE ACCESS BOX
- OU LINEAR DRAINAGE OUTLET UNIT
- PERFORATED PIPE IN LAND DRAIN/ PERMEABLE PAVING
- RODDING EYE FOR LAND DRAIN
- 3000Ø INSPECTION CHAMBER ON LAND DRAIN
- RETAINING WALL DRAIN
- TREE PIT DRAINAGE - PERFORATED PIPE AND INFILTRATION TANK

* ALL DRAINAGE PASSES ABOVE FOUNDATION UNLESS NOTED OTHERWISE

DRAINAGE TO BE ABANDONED NOT SHOWN FOR CLARITY. REFER TO DRAINAGE REMOVAL DRAWING NMGNPH-VV-XX-DR-C-9254

COVER LEVELS SHOWN ARE TO BE FIXED

Rev:	Description:	Date:	By:	Chkd:
P06	ISSUE T DISCHARGE CONDITION	01/07/22	MW	MW
P05	UPDATES TO IHP COMMENTS	01/06/22	LK	AR
P04	ISSUED FOR DISCHARGED CONDITIONS	27/05/22	TK	MW
P03	ISSUED FOR PLANNING CONDITION DISCHARGE	22/11/21	ATL	MW

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
Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Kendal • Leeds • Liverpool • London • Manchester • Nottingham

Status:
STAGE 4

Project:
NEW PARK HOUSE

Drg Title:
PROPOSED 1:200
DRAINAGE LAYOUT
SHEET 1

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	15/041/21	ATL	ATL	MW

Scale: 1:500

Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
NMGNPH	CUR	VV	XX	DR	C	9251	P06

\\mafs02\Projects\070001 - 070500\070565 - New Park House\04-Production\4-Models-Drawings\CAD\[2]