

MANHOLE SCHEDULE										
MANHOLE No.	APPROX. COVER LEVEL	INVERT LEVEL IN	INVERT LEVEL OUT	DEPTH (mm)	PIPE SIZE OUT (mm)	GRADIENT OUT	TYPE/COMMENT		COVER	
							SIZE/DIA.	TYPE		
NCMH1	100.53	98.05	98.05	2480	150 <i>ø</i>	1:100 MINIMUM	1200ø	P.C. RING	750×600 DUCTILE IRON 'C250	
NSMH1	100.53	98.15	98.15	2380	150ø	1:100	1200ø	P.C. RING WITH FLOW CONTROL	750×600 DUCTILE IRON 'C250	
NSMH2	100.64	100.00	100.00	640	150ø	1:6	450ø	UIC	450¢ PLASTIC 'B125'	
NSMH3	100.64	99.70	99.70	940	150ø	1:100	450¢	UIC	450¢ PLASTIC 'B125'	
NSMH4	100.53	99.33	99.33	1200	150ø	1:2	600¢	DISCHARGE CHAMBER	600¢ PLASTIC 'B125'	
NSMH5	100.00	98.85	98.85	1150	150¢	1:100	450¢	UIC	450¢ PLASTIC 'B125'	
NSMH6	96.16	95.26	95.26	900	150¢	1:100	450¢	UIC CATCHPIT	450¢ PLASTIC 'B125'	
NSMH7	96.16	95.29	95.29	870	100ø	1:100	450¢	UIC	450¢ PLASTIC 'B125'	
NSMH8	96.16	95.32	95.32	840	100ø	1:100	450¢	UIC	450¢ PLASTIC 'B125'	
NSMH9	96.16	95.29	95.29	870	100⊅	1:100	450¢	UIC	450¢ PLASTIC 'B125'	
NSMH10	96.16	95.32	95.32	840	100¢	1:100	450¢	UIC	450¢ PLASTIC 'B125'	
NSMH11	96.16	95.35	95.35	810	100ø	1:100	450¢	UIC	450Ø PLASTIC 'B125'	
NFMH1	100.57	99.70	99.70	870	100ø	1:70	600¢	DISCHARGE CHAMBER	600¢ PLASTIC 'B125'	
NFMH2	100.57	99.65	99.65	920	100¢	1:70	600¢	DISCHARGE CHAMBER	600¢ PLASTIC 'B125'	
NFMH3	100.57	99.60	99.60	970	100¢	1:70	600ø	DISCHARGE CHAMBER	600¢ PLASTIC 'B125'	
NFMH4	100.57	99.65	99.65	920	100¢	1:70	600¢	DISCHARGE CHAMBER	600¢ PLASTIC 'B125'	
NFMH5	100.57	99.70	99.70	870	100¢	1:70	600¢	DISCHARGE CHAMBER	600¢ PLASTIC 'B125'	
NFMH6	100.57	99.75	99.75	820	100¢	1:70	600¢	DISCHARGE CHAMBER	600¢ PLASTIC 'B125'	

MANHOLE COVERS TO BS EN 124

LIGHT DUTY PEDESTRIAN ONLY

MEDIUM DUTY | LIGHT VEHICLES

HEAVY DUTY | CARRIAGEWAY < 0.5m FROM KERB

HEAVY DUTY | CARRIAGEWAY & HARD SHOULDERS

CLASS A

CLASS B

CLASS C

CLASS D

ALL CATCHPIT MANHOLES ARE 200mm DEEPER THAN INVERT LEVELS SHOWN TO ALLOW FOR SILT PIT

ANNOTATIONS

P.C. RING

UNIVERSAL INSPECTION CHAMBER

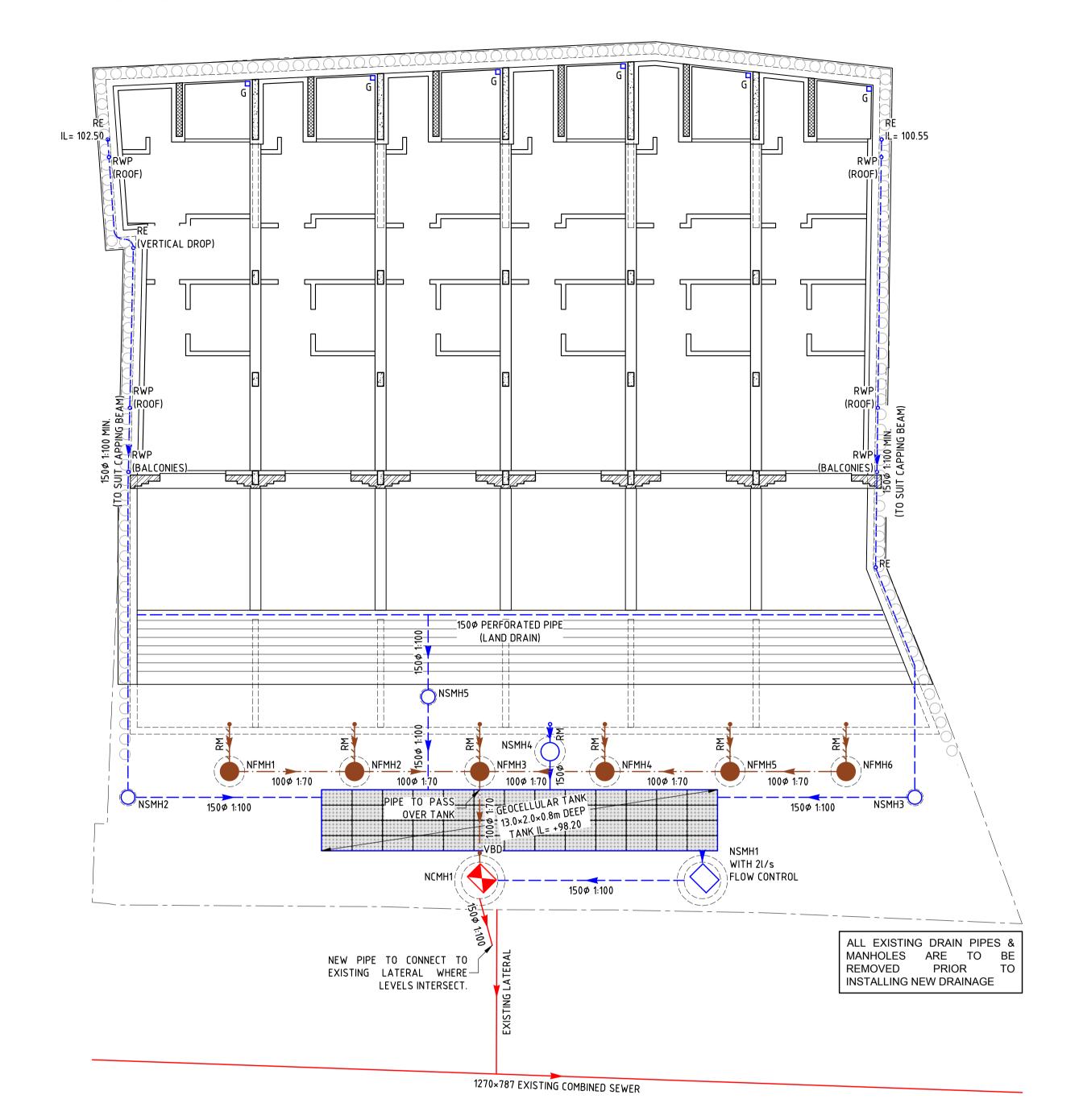
NON-ENTRY INSPECTION CHAMBER

CHAMBER CONSTRUCTION

TRADITIONAL BRICK OR PRECAST CONCRETE

PUMP	CHAMBER S	CHEDULE		
TANK N°	STORAGE CAPACITY (I)	PUMP CAPACITY (I/s)	APPROX. RISE (m)	LOCATION
NFPC1	1000	3.0	4.5	BURIED IN COURTYARD
NFPC2	1000	3.0	4.5	BURIED IN COURTYARD
NFPC3	1000	3.0	4.5	BURIED IN COURTYARD
NFPC4	1000	3.0	4.5	BURIED IN COURTYARD
NFPC5	1000	3.0	4.5	BURIED IN COURTYARD
NFPC6	1000	3.0	4.5	BURIED IN COURTYARD
NSPC1	1000	6.0	4.5	BURIED IN COURTYARD

LOWER GROUND FLOOR DRAINAGE



DRAWING NOTES

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DRAINAGE NOTES

NOTATION KEY

SOIL AND VENT PIPE RAIN WATER PIPE STUB STACK AIR ADMITTANCE VALVE YARD GULLY

RODDING EYE VERTICAL BACKDROP NEW FOUL WATER MANHOLE

NSMH: NEW SURFACE WATER MANHOLE NCMH: NEW COMBINED WATER MANHOLE NEW FOUL WATER PUMP CHAMBER NSPC: NEW SURFACE WATER PUMP CHAMBER

COMBINED WATER PIPE RUN

COMBINED WATER MANHOLE OR INSPECTION CHAMBER

FOUL WATER RISING MAIN

FOUL WATER MANHOLE OR INSPECTION CHAMBER

FOUL WATER PUMPING CHAMBER -->-- SURFACE WATER PIPE RUN

SURFACE WATER RISING MAIN

SURFACE WATER MANHOLE OR INSPECTION CHAMBER

SURFACE WATER PUMPING CHAMBER

SPECIFICATION

- FOUL DRAINS ARE TO BE 100mm NOMINAL DIAMETER LAID AT A GRADIENT NOT FLATTER THAN 1:70. U.N.O.
- DRAINS ARE TO BE CONSTRUCTED USING VITRIFIED CLAY PIPES TO BS 65 OR FLEXIBLE UPVC PIPES TO BS4660 WITH FLEXIBLE JOINTS BEDDED AND BACKFILLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND BS 8301.
- 100mm RIGID PIPES WITH LESS THAN 300mm COVER OR PIPES OF 150mm OR GREATER DIAMETER WITH LESS THAN 600mm COVER ARE TO BE SURROUNDED BY 150mm OF CONCRETE WITH MOVEMENT JOINTS PROVIDED AT EVERY PIPE JOINT.
- FLEXIBLE PIPES WITH LESS THAN 600mm COVER ARE TO BE SURROUNDED WITH CONCRETE OR TO HAVE CONCRETE PAVING SLABS LAID AS BRIDGING ABOVE THE PIPE. PIPES UNDER BUILDINGS ARE TO BE SURROUNDED WITH 100mm MIN. OF GRANULAR MATERIAL.
- ACCESS TO DRAINS MAY PROVIDED BY VITRIFIED CLAY, GRP OR POLYPROPYLENE INSPECTION CHAMBERS TO BS 7158, OR MANHOLES CONSTRUCTED USING CLASS B ENGINEERING BRICKS TO BS 3921, OR PRECAST CONCRETE SECTIONS TO BS 5911, SURROUNDED WITH 150mm OF CONCRETE MINIMUM DIMENSIONS TO CONFORM TO TABLE 8 OF BS 8301. COVERS AND FRAMES FOR MANHOLES/ INSPECTION CHAMBERS MUST COMPLY WITH THE APPROPRIATE LOADING GRADE OF BS 497 OR BS 5911.
- 6. PROVIDE GULLIES AND RWP'S WITH RODDABLE ACCESS.
- ALL PIPES THAT CONNECT TO MAIN RUN DRAINAGE MANHOLES TO BE FIXED 'CROWNS ADJACENT'
- CONCRETE BEDDING & SURROUND TO BE MIX TYPE GEN 1 TO TABLE 6 OF BS 5328-PART 2 U.N.O.. IF A DIFFERENT 'GEN' MIX IS SPECIFIED IT WILL BE TO THE ABOVE TABLE.
- 9. ALL RWP'S TO CONNECT INTO RODDABLE GULLIES.

P1 Preliminary DATE DETAIL

NOT FOR CONSTRUCTION

Status	: PRFI IMINIARY					

5. PRELIMINARY

Client: Space Free Ltd.

Project: 138-140 Highgate Road, London, NW5 1PB

Title: Drainage G.A. Sheet 1

Drawing N°: Rev: 18035 D100 P1

Drawn:

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