FOUL WATER MANHOLE SCHEDULE

Manhole No.	Cover Level (m) #	Invert Level (m)	Depth to Invert (m)	Main Channel (mm)	Branches	Manhole Type	Chamber Size (mm)	Cover Size (mm)	Cover Loading	Comment	Special Requirements	Co-ordinates (mm) Easting Northing
F1-1	38.100	37.050	1.050	150Ø	100Ø @ IL 37.125 In 100Ø @ IL 37.125 In 150Ø @ IL 37.050 Out	Brick	675X750	600X600	D400	Recessed, Double Sealed and Lockable		383895426,398086876
F1-2	38.100	36.950	1.150	150Ø	150Ø @ IL 36.950 In 150Ø @ IL 36.950 Out	Brick	675X750	600X600	D400	Recessed, Double Sealed and Lockable		383897434,398094178
F1-14	38.100	37.070	1.030	150Ø	100Ø @ IL 37.145 In 100Ø @ IL 37.145 In 150Ø @ IL 37.070 In 150Ø @ IL 37.070 Out	Brick	675X750	600X600	D400	Recessed, Double Sealed and Lockable		383919598,398063424
F1-15	38.100	36.940	1.160	150Ø	100Ø @ IL 37.015 In 150Ø @ IL 36.940 In 150Ø @ IL 36.940 Out	Brick	675X750	600X600	D400	Recessed, Double Sealed and Lockable		383917457,398058516
F1-16	38.110	36.740	1.370	150Ø	150Ø @ IL 36.740 In 100Ø @ IL 36.815 In 150Ø @ IL 36.740 Out	Brick	675X750	600X600	D400	Recessed, Double Sealed and Lockable		383911008,398057892
F1-16A	38.070	36.640	1.430	150Ø	150Ø @ IL 36.640 In 150Ø @ IL 36.715 In 150Ø @ IL 36.715 Out	Brick	675x750	600X600	D400	Recessed, Double Sealed and Lockable		383905578,398058879
F1-25	38.245	36.555	1.690	150Ø	150Ø @ IL 36.530 In 150Ø @ IL 36.555 In 150Ø @ IL 36.530 Out	Brick	675X750	600X600	D400	Recessed, Double Sealed and Lockable		383871423,398069905
F1-26	38.370	36.735	1.635	150Ø	100Ø @ IL 36.810 In 150Ø @ IL 36.735 Out	Brick	675X750	600X600	D400	Recessed, Double Sealed and Lockable		383873509,398074594

ALL EXISTING MANHOLE COVERS TO BE RETAINED AND RESET IN CONJUNCTION WITH PROPOSED LEVELS BY PLANIT. EXISTING MANHOLES NOT INDICATED IN THE SCHEDULES. REFER TO EXISTING DRAINAGE GENERAL ARRANGEMENT DRAWING FOR FURTHER DETAILS

SURFACE WATER MANHOLE SCHEDULE

Manhole No.	Cover Level (m) #	Invert Level (m)	Depth to Invert (m)	Main Channel (mm)	Branches	Manhole Type	Chamber Size (mm)	Cover Size (mm)	Cover Loading	Comment	Special Requirements	Co-ordinates (mm) EastingNorthing
S1-1	38.010	36.880	1.130	300Ø	150Ø @ IL 37.030 In 150Ø @ IL 37.030 In 300Ø @ IL 36.880 Out	Brick	675X750	600X600	D400	Recessed Cover	Derogation	383919943,398057699
S1-2	38.100	36.725	1.375	300Ø	300Ø @ IL 36.750 In 150Ø @ IL 37.000 In 150Ø @ IL 36.725 In 300Ø @ IL 36.750 Out	Brick	675X750	600X600	D400	Recessed Cover	Derogation	383923737,398056550
S1-3	38.010	36.650	1.360	375Ø	300Ø @ IL 36.650 In 150Ø @ IL 36.800 In 150Ø @ IL 36.650 In 150Ø @ IL 36.800 In 375Ø @ IL 36.650 Out	Brick	1350x900	600X600	D400	Recessed Cover		383926729,398062611
S1-4	38.110	35.350	2.760	375Ø	375Ø @ IL 36.475 In 150Ø @ IL 36.700 In 375Ø @ IL 35.800 Out	Brick	1200x1000	600X600	D400	Recessed Cover	Derogation Sealing Plate Warning Sign	383902920,398087438
S1-5	38.100	36.950	1.150	375Ø	150Ø @ IL 37.225 In 150Ø @ IL 37.225 In 375Ø @ IL 36.950 Out	Brick	675X750	600X600	D400	Recessed Cover	Derogation Sealing Plate Warning Sign	383895331,398061649
S1-6	38.200	37.200	1.000	150Ø	150Ø @ IL 37.275 In 150Ø @ IL 37.275 In 150Ø @ IL 37.275 In 150Ø @ IL 37.200 Out	Brick	675X750	600X600	D400	Recessed Cover		383871454,398067307
S1-7	38.200	35.350	2.850	375Ø	375Ø @ IL 36.830 In 150Ø @ IL 36.930 In 375Ø @ IL 35.800 Out	Brick	1350x1225	600X600	D400	Recessed Cover, Catch Pit	Derogation Sealing Plate Warning Sign	383873386,398071658
S1-8	38.274	36.470	1.804	225Ø	150Ø @ IL 36.920 In 150Ø @ IL 36.920 In 150Ø @ IL 36.920 In 225Ø @ IL 36.920 Out	Brick	675X750	600X600	D400	Recessed Cover, Catch Pit	Derogation Sealing Plate Warning Sign	383887621,398103041
S1-9	38.200	35.720	2.480	225Ø	300Ø @ IL 35.720 In 225Ø @ IL 35.720 Out	Brick	1200x1000	600X600	D400	Recessed Cover, Flow Control Chamber		383893566,398094808
S1-11	38.110	36.770 *	1.340	225Ø	225Ø @ IL 36.770 In 150Ø @ IL 36.845 In 225Ø @ IL 36.770 Out	Brick	675x750	600X600	D400	Recessed Cover	Derogation Sealing Plate Warning Sign	383859052,398107240

ATTENUATION TANK SCHEDULE

REF.	MANUFACTURER & TYPE	MINIMUM STORAGE VOLUME (m³)	LENGTH (m)	WIDTH/ DIAMETER (m)	HEIGHT (m)	INVERT LEVEL (m)	PIPE IN INVERT (m)	PIPE OUT INVERT (m)	COMMENTS
S1-ATTEN-1	POLYSTORM BY POLYPIPE	160	REFER TO GENERAL ARRANGEMENT	REFER TO GENERAL ARRANGEMENT	1.2	35.690	REFER TO MANHOLE SCHEDULES	35.740	INLINE INSPECTION UNIT TO BE PROVIDED AS INDICATED ON GENERAL ARRANGEMENT

TANK TO BE WRAPPED IN IMPERMEABLE MEMBRANE. 100mm VENT PIPE TO BE PROVIDED, BEDDING AS MANUFACTURERS DETAILS

ATTENUATION ACCESS POINT SCHEDULE

REF.	COVER LEVEL (m)	DEPTH TO TOP OF TANK (m)	CHAMBER SIZE (m)	COVER SIZE (mm)	COVER LOADING	COMMENTS
AC-1	38.200	1.040	900 Ø	600x600	D400	ACCESS CHAMBER BY POLYPIPE

GREASE SEPARATOR SCHEDULE

REF.	MANUFACTURER & TYPE	DESIGNATION	INLET INVERT/ DIA (m/ mm)	OUTLET INVERT/ DIA (m/ mm)	COVER SIZE (mm)	COVER LOADING	COMMENTS
F1-GT-1	ACO LIPUMAX P-DM	NS10	37.300	37.320	AS PER MANUFACTURERS DETAILS	D400	RECESSED COVER TO SUIT ARCHITECTS FINISHES AS SPECIFICATION
F1-GT-2	REFER TO MANHOLE SCHEDULE OTH-RAM-TH-XX-C-0200						

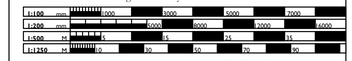
GREASE TRAP TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
ALARM LINKED TO BMS AS REQUIRED. DN100 VENT PIPE TO ABOVE GROUND TO BE INSTALLED AND TERMINATED IN A LOCATION AGREED BY THE ARCHITECT.
NOTE IT IS ASSUMED THAT ANY DOSING REQUIREMENTS SHALL BE PROVIDED ABOVE GROUND UPSTREAM OF THE BELOW GROUND UNIT. CLEANING LINE TO BE PROVIDED TO LLOYD STREET ELEVATION FOR MAINTENANCE OF GREASE TRAPS

NON RETURN VALVE SCHEDULE

MANHOLE REF.	DRAINAGE SYSTEM	MANUFACTURER & TYPE	TYPE
EXMH 19	SURFACE WATER	ALTHON WASTOP	WASTOP 150 GRADE SS 304
EXMH 4	FOUL WATER	ALTHON WASTOP	WASTOP 150 GRADE SS 304

ALL NON RETURN VALVES TO BE INSTALLED AS PER MANUFACTURER'S REQUIREMENTS
ALL NON RETURN VALVES TO BE FITTED ON DOWNSTREAM PIPE U.N.O (I.E. MANHOLE OUTLET)

Scale Bars to be used as guidance only - refer to sheet size below



1. ALL INTERNAL RECESSED COVER TO ARCHITECTS DETAILS
2. ALL EXTERNAL RECESSED COVERS TO LANDSCAPES ARCHITECTS DETAILS
3. ALL COVERS TO BE CAST IRON UNO
4. BRANCH CONNECTIONS OF DN150 OR LESS TO DISCHARGE INTO MAIN CHANNEL AT HALF PIPE LEVEL

NOTE:

* PROPOSED MANHOLE BUILT OVER EXISTING LINE - LEVELS TO BE CONFIRM

\# ALL COVER LEVELS AND DEPTHS ARE ASSUMED UNTIL FINAL PROPOSED LEVELS HAVE BEEN CONFIRMED BY PLANIT

NOTE:

* PROPOSED MANHOLE BUILT OVER EXISTING LINE - LEVELS TO BE CONFIRMED ON SITE DURING WORKS

\# ALL COVER LEVELS AND SHOULD BE TAKEN FROM FINAL PROPOSED LEVELS HAVE BEEN CONFIRMED BY PLANIT (EXTERNAL) AND/OR PURCELL (INTERNAL)

ISSUE	DATE	APPROVED	DRAWN	DESCRIPTION
P03	19/07/2019	LS	SG	STAGE 4 ISSUE SEE REVISION CLOUDS
P02	30/04/2019	LS	SG	PLANNING/LBC APPLICATION & STAGE 3+ ISSUE
P01	18/04/2019	LS	SG	DRAFT PLANNING/LBC APPLICATION

OUR TOWN HALL PROJECT

RAMBOLL

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PROJECT STATUS	STAGE 4
CLIENT	MANCHESTER CITY COUNCIL
PROJECT	OUR TOWN HALL PROJECT
DRAWING TITLE	ENABLING WORKS SCHEDULES SHEET 1
SIZE & SCALE	A1: NTS
DRAWING STATUS	D2 - TENDER
JOB NUMBER	1620003165
DRAWING NO.	OTH-RAM-TH-XX-DWG-C-5200
REV	P03

Lendlease
Document Review
Lendlease document received on:
1. Accepted
2. Accepted with comments
3. Rejected
Lendlease Checked by Steve Bloxham
Date: 01/05/2019
Accepted documents are considered to conform to the design intent, but does not mean acceptance of dimensions, details, size or weights; nor does it relieve the designer from responsibilities for errors, omissions and/or compliance with obligations and/or responsibilities of the contract.