FOUL WATER

Manhole Name	Cover Level (m)	MH Depth (m)	Manhole Type	Manhole Connection	Manhole Diam.,L*W (mm)	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Pipes In Backdrop (mm)	Manhole Easting (m)	Manhole Northing (m)	Cover Type
FW01	51.400	1.380	Inspection Chamber Type 3	Open Manhole	475	50.020	150	50.070	100#		385190.508	398904.480	C250
FW02	51.374	1.500	Inspection Chamber Type 3	Open Manhole	475	49.874	150	49.874	150		385195.992	398894.197	C250
FW03	51.400	1.240	Inspection Chamber Type 3	Open Manhole	475	50.160	100	50.905 50.160	100# 100#	745	385176.521	398911.398	A15
FW04	51.382	1.832	Inspection Chamber Type 3	Open Manhole	475	49.550	150	49.550 49.600	150 100		385189.056	398890.112	C250
FW05a	51.400	0.570	Inspection Chamber Type 3	Open Manhole	475	50.830	100	50.830	100# 100# 100#		385172.006	398896.872	A15
FW05b	51.400	1.794	Inspection Chamber Type 3	Open Manhole	475	49.606	100	50.666 49.606 49.606	100 100# 100#	1060	385175.361	398891.184	A15
FW06	51.383	1.974	Inspection Chamber Type 3	Open Manhole	475	49.409	150	49.409 49.459	150 100		385179.350	398884.381	C250
FW07	51.379	2.189	Inspection Chamber Type 3	Open Manhole	475	49.190	150	49.190 50.369	150 100#	 1129	385160.650	398873.351	C250

# DENOTES INTERNAL FOUL CONNECTION

SURFACE WATER

Manhole Name	Cover Level (m)	MH Depth (m)	Manhole Type	Manhole Connection	Manhole Diam.,L*W (mm)	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Pipes In Backdrop (mm)	Manhole Easting (m)	Manhole Northing (m)	Cover Type
SW01	51.341	1.661	Manhole Type 2	Open Manhole	1200	49.680	300	49.830	150*		385152.275	398912.937	C250
SW02	51.340	1.845	Manhole Type 2	Open Manhole	1200	49.495	300	49.495	300 150*		385176.262	398926.946	A15
SW03	51.361	1.937	Manhole Type 2	Open Manhole	1200	49.424	300	49.424	300 150* 150*		385187.065	398917.799	A15
SW03A	51.351	1.991	Manhole Type 2	Open Manhole	1200	49.360	300	49.360	300		385193.828	398906.861	C250
SWPI	51.328	2.098	Oil Separator	Open Manhole	1200	49.230	300	49.280	300		385196.023	398900.074	C250
SW04	51.349	2.156	Manhole Type 2	Open Manhole	1200	49.193	300	49.193	300 150*		385197.141	398896.616	C250
SW05	50.981	2.051	Manhole Type 2	Open Manhole	1200	48.930	300	48.930	300		385201.376	398889.737	C250
SWFD1	50.870	0.930	Inspection Chamber Type 3	Open Manhole	600	49.940	150	49.940	150*		385194.118	398885.778	A15
SWFD2	50.823	1.523	Catchpit (500mm Sump)	Open Manhole	600	49.800	150	49.800	150		385182.090	398878.715	A15
SWFD3	51.005	1.215	Inspection Chamber Type 3	Open Manhole	600	49.790	150	49.790	150*		385174.573	398875.976	A15
SWFD4	50.935	1.735	Catchpit (500mm Sump)	Open Manhole	600	49.700	150	49.700	150 150*		385167.518	398870.439	A15
SW07	51.248	1.361	Manhole Type 2	Open Manhole	1200	49.887	225	49.962	150*		385130.819	398899.326	C250
SW08	51.235	1.514	Manhole Type 2	Open Manhole	1200	49.721	225	49.721	225 150* 100*		385143.377	398877.790	C250
SW09	51.009	1.399	Manhole Type 2	Open Manhole	1200	49.610	225	49.610	225 150*		385151.735	398863.464	C250
SW10	50.936	1.919	Catchpit (500mm Sump)	Open Manhole	600	49.517	225	49.517	225 150* 150*		385164.216	398869.851	A15
SWHB	50.976	2.139	Hydro-brake	Open Manhole	1900	48.837	225	48.837 49.496	300 225	 609	385165.559	398867.047	C250
SWCBD	50.991	2.301	Manhole Type 2	Open Manhole	1800	48.690	225	48.690	225		385152.766	398860.254	C250

* DENOTES RAINWATER PIPE/GULLY/LINEAR DRAIN CONNECTION

NOTES:

1. TO BE READ IN CONJUNCTION WITH ALL RELEVANT KENNEDY REDFORD DRAWINGS.
2. EXISTING SEWER LOCATIONS AND LEVELS TO BE CONFIRMED BY CONTRACTOR ON SITE, PRIOR TO WORK COMMENCING.
3. PRIVATE DRAINS TO BE CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATIONS.
4. NO CONNECTION TO BE MADE TO THE PUBLIC SEWER UNTIL APPROVAL HAS BEEN RECEIVED FROM THE RELEVANT AUTHORITY.
5. ALL INSPECTION CHAMBER SIZES ARE 475Ø UNLESS INDICATED OTHERWISE.
6. UNLESS INDICATED OTHERWISE ALL PIPES TO BE LAID SOFFIT TO SOFFIT.
7. WHERE PROPOSED DRAINS ARE IN PROXIMITY TO PROPOSED FOUNDATIONS, THE FOUNDATIONS SHALL BE TAKEN DEEPER TO BELOW THE DRAINS OR THE DRAIN SHOULD BE PROTECTED WITH A FULL CONCRETE SURROUND.
8. PROPOSED PIPEWORK WITH LESS THAN THE FOLLOWING DEPTHS TO SOFFIT REQUIRES A CONCRETE SURROUND:

- 1.2m IN ROADS
- 0.6m UNDER FOOTPATHS AND UNDER BUILDINGS.

11. ALL PRIVATE SURFACE WATER PIPES TO BE MIN 150mmØ LAID AT A MAX 1:80 GRADIENT U.N.O.
12. ALL UNDERSLAB FOUL PIPES TO BE 100mmØ LAID AT A MAX 1:40 GRADIENT U.N.O. OTHER FOUL PIPES TO BE 100mmØ LAID AT A MAX 1:80 GRADIENT U.N.O.
13. PROPOSED DRAINAGE IS SUBJECT TO CONFIRMATION (BY CONTRACTOR) OF LEVELS OF EXISTING DRAINAGE AT PROPOSED CONNECTION POINTS.
14. CONTRACTOR TO ARRANGE ALL SEWERS AND DRAINS TO BE FLUSHED OUT BEFORE FINAL CCTV SURVEY IS CARRIED OUT ON COMPLETION OF WORKS.
15. CONTRACTOR TO APPLY FOR SEWER PERMITS AND ROAD OPENING PERMITS AS NECESSARY FROM THE APPROPRIATE AUTHORITIES, PRIOR TO COMMENCING WORKS.
16. THE CONTRACTOR SHALL ALLOW FOR ALL TRAFFIC MANAGEMENT IN CONNECTION WITH ROAD AND SEWER WORKS.
17. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS AND CONSTRUCTION PROCEDURES.

REV	DATE	DESCRIPTION	DRN	CHK	APR
FC	10.09.24	FINAL CONSTRUCTION	A.W	R.B	P.V
C05	23.08.24	CONSTRUCTION ISSUE	N.R	R.B	J.H
C04	08.09.23	CONSTRUCTION ISSUE	M.M	P.V	R.B
C03	06.09.23	CONSTRUCTION ISSUE	M.M	P.V	R.B
C02	30.08.23	CONSTRUCTION ISSUE	M.M	P.V	R.B
C01	27.06.23	CONSTRUCTION ISSUE	M.M	P.V	R.B
P03	03.04.23	STAGE 4 DESIGN ISSUE	M.M	P.V	R.B
P02	17.03.23	DRAWING NO. UPDATED	M.M	R.B	P.V
P01	14.03.23	PRELIMINARY ISSUE	M.M	R.B	P.V

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Kennedy Redford MANAGING VISION

CLIENT
BOWMER & KIRKLAND

PROJECT NAME
ANCOATS MOBILITY HUB

DRAWING TITLE
SURFACE WATER
AND FOUL WATER
MANHOLE SCHEDULE

DATE	SCALE	SHEET SIZE	REV
14.03.23	N.T.S.	A1	FC

DRAWING STATUS
FC - FINAL CONSTRUCTION

DRAWING NUMBER
45306 - KRD - XX - EX - DR - C - 5215