A1

Knocknagael Substation Bay 2 - Manhole Schedule

Chamber Reference	Chamber Type	Chamber Diameter(mm)	Approx. Cover Level (m AOD)	Chamber Invert Level (m AOD)	Incoming Connections	Outgoing Connections	Cover Load Class	Depth	*Co-ordinates (at pipe intersection)*
SWMH01	MCHW HCD Catchpit Type 7	1200	175.500	174.385	New Pipe - Dia 225	New Pipe1.000 - Dia:225	D400	1.12	N=838945 E=265315
SWMH02	MCHW HCD Catchpit Type 7	1200	175.500	174.198	New Pipe1.000 - Dia:225	New Pipe1.001 - Dia:300	D400	1.30	N=838929 E=265360
SWMH03	MCHW HCD Catchpit Type 7	1200	175.500	174.087	New Pipe1.001 - Dia:300	New Pipe1.002 - Dia:300	D400	1.41	N=838929 E=265387
SWMH04	MCHW HCD Catchpit Type 7	1200	175.500	174.014	New Pipe1.002 - Dia:300	New Pipe1.003 - Dia:225	D400	1.49	N=838943 E=265398
SWMH05	MCHW HCD Catchpit Type 7	1200	175.500	173.896	New Pipe1.003 - Dia:225 New Pipe 2.000 -Dia225	New Pipe1.004 - Dia:300	D400	1.60	N=838972 E=265398
SWMH06	MCHW HCD Catchpit Type 7	1200	175.500	174.675	-	New Pipe2.000 - Dia:225	D400	0.83	N=838975 E=265299
SWMH07	MCHW HCD Catchpit Type 7	1200	175.500	173.873	New Pipe1.004 - Dia 300	New Pipe1.005 - Dia:300	D400	1.63	N=838978 E=265398
SWMH08	MCHW HCD Catchpit Type 7	1200	175.500	173.785	New Pipe1.005 - Dia:300	New Pipe1.006 - Dia:300	D400	1.72	N=839000 E=265399
SWMH09	MCHW HCD Catchpit Type 7	1200	175.500	174.150	-	New Pipe3.000 - Dia:150	D400	1.35	N=839025 E=265354
SWMH10	MCHW HCD Catchpit Type 7	1200	175.500	173.677	New Pipe3.000 - Dia:150 New Pipe1.006 - Dia 300	New Pipe1.007 - Dia:300	D400	1.82	N=839022 E=265384
SWMH11	MCHW HCD Catchpit Type 7	1200	175.500	174.650	-	New Pipe4.000 - Dia:225	D400	0.85	N=838939 E=265312
SWMH12	MCHW HCD Catchpit Type 7	1200	175.500	174.435	New Pipe4.000 - Dia:225	New Pipe4.001 - Dia:225	D400	1.07	N=838923 E=265358
SWMH13	MCHW HCD Catchpit Type 7	1200	175.500	174.176	New Pipe4.001 - Dia:225	New Pipe4.002 - Dia:300	D400	1.32	N=838922 E=265388
SWMH14	MCHW HCD Catchpit Type 7	1200	175.500	173.941	New Pipe4.002 - Dia:300	New Pipe4.003 - Dia:300	D400	1.56	N=838942 E=265404
SWMH15	MCHW HCD Catchpit Type 7	1200	187.790	186.670	New Pipe 5.006 - Dia:150	New Pipe4.004 - Dia:350	D400	1.12	N=838889 E=265358
SWMH16	MCHW HCD Catchpit Type 7	1200	188.780	187.430	-	New Pipe5.000 - Dia:150	C250	1.35	N=838897 E=265329
SWMH17	MCHW HCD Catchpit Type 7	1200	190.720	187.230	New Pipe5.000 - Dia:150	New Pipe5.001 - Dia:150	C250	3.49	N=838887 E=265350
SWMH18	MCHW HCD Catchpit Type 7	1200	186.200	183.950	New Pipe5.001 - Dia:150	New Pipe5.002- Dia:150	C250	2.25	N=838896 E=265403
SWMH19	MCHW HCD Catchpit Type 7	1200.000	184.500	182.500	-	New Pipe5.003 - Dia:150	D400	2.00	N=838865 E=265438
SWMH20	MCHW HCD Catchpit Type 7	1200.000	181.490	179.660	New Pipe5.007 - Dia 150	New Pipe5.004 - Dia:225	D400	1.83	N=838908 E=265436
SWMH21	MCHW HCD Catchpit Type 7	1200.000	175.560	174.273	New Pipe 5.004 - Dia 225	New Pipe5.005 - Dia:225	D400	1.29	N=838992 E=265437
SWMH23	MCHW HCD Catchpit Type 7	1800.000	175.500	173.709	New Pipe5.005 - Dia 225 New Pipe4.004 - Dia 150	New Pipe4.005 - Dia 350	D400	1.79	N=839012 E=265403
SWMH24	MCHW HCD Catchpit Type 7	1200.000	175.500	174.250	-	New Pipe6.000 - Dia 225	D400	1.25	N=839032 E=265347
SWMH25	MCHW HCD Catchpit Type 7	1800.000	175.500	173.652	New Pipe4.005 - Dia 350 New Pipe6.000 - Dia 225 New Pipe1.007 - Dia 300	New Pipe1.008 - Dia:350	D400	1.85	N=839027 E=265389
SWHW27	Manhole with flow control device	1800.000	174.410	173.410	Basin	New Pipe1.009 - Dia:350	C250	1.00	N=839128 E=265471
SWHW28	Manhole with Penstock Valve and sampling chamber	1800.000	174.400	173.000	New Pipe 1.009 -Dia 350	New Pipe1.010 - Dia:350	C250	1.40	N=839139 E=265466
Basin 2 Ditch Outflow	Headwall Outlet	350.000	N/A	172.420	New Pipe1.010 - Dia:350	Outflow to ditch	N/A	N/A	N=839158 E=265458
Basin 2 Outlet	Headwall Outlet	350.000	N/A	173.600	Bains 2	New Pipe 1.090 - Dia 350	N/A	N/A	N=839118 E=265474
Basin 2 Inlet	Headwall Inlet	350.000	N/A	173.500	New Pipe1.008 - Dia:350	Basin 2	N/A	N/A	N=839068 E=265426

NOTES:

1. Do not scale from this drawing.
2. All dimensions are in millimetres and levels in metres AOD (relative to Ordnance Datum Newlyn) unless otherwise stated.
3. This drawing is to be read in conjunction with all relevant documents and drawings.
4. Installation of all proprietary products as per the Suppliers Manufacturer Guidelines and Recommendations.
5. All carrier drains under the platform with cover depth of less than 0.9m below the finished floor level to the soffit of the pipe shall have Type Z bedding (concrete surround).
6. All trench and bedding details to follow the Highways Construction Details Volume 3 Section 1.
7. The access covers and cover frames within 2m of the fence shall be non-metallic fibrelite FS850 or equal approved. Please note these covers are unsuitable for heavy vehicle traffic and should not be subject to construction traffic loading.
8. All PVC pipes and fittings shall be unplasticised PVC to BS 4660 or BS 5481 or BS EN 1401(PVC-U) or EN 1401-1:2019. Solid wall Polypropylene (PP) or Polyethylene(PE) pipes and fittings shall be to BS EN 1852-1(PP) BS EN 12666-1(PE).
9. All perforated pipes to BS 5955-6 shown on the drawings shall be Polyethylene pipes.

FOR INFORMATION ONLY

NOT FOR CONSTRUCTION

REV:	DATE:	DRWN:	CHKD:	APPVD:	DESCRIPTION:
00	03/06/25	IB	BR	KS	APPROVED FOR ISSUE

STATUS: PRELIMINARY DESIGN ONLY

CLIENT: Scottish & Southern Electricity Networks TRANSMISSION

PROJECT: LOCH NA CATHRACH

PROJECT NUMBER: LT000325 | LOCATION: KNOCKNAGAEL

TITLE: KNOCKNAGAEL SUBSTATION EXTENSION DRAINAGE DETAILS

DRAWN:	I.BIN	ENG CHECK:	B.RENTON
DESIGNER:	SSENT	COORDINATION:	
SCALE :	NTS	APPROVED:	K.SMITH
DATE OF FIRST ISSUE:	03/06/2025	SECURITY:	INTERNAL

ORIGINATOR DRAWING NUMBER: LT325-KNOC2-0804-DR-0009

SHEET No: 01 of 01

CLIENT DRAWING NUMBER:

REV. No: 00

File Name: C:\Users\ibin9935\OC\ACCDocs\SSEN\T CADWORK\KNOCNAGAEL\Project Files\LT000325_SR_3ITR3 WP1.1 EDR\LT325-KNOC2-0804-DR-0009.dwg

Date Plotted: 03.06.2025