

PIPE SCHEDULE N4										
PIPE NAME	PIPE DIAMETER (mm)	PIPE LENGTH (m)	GRADIENT	START IL	END IL	PIPE MATERIAL	PIPE BEDDING	US STRUCTURE	DS STRUCTURE	COMMENTS
N4/1.000	225	56.3m	1:167.0	3.217m	2.880m	TWINWALL	TYPE S	N4/1	N4/2	
N4/1.001	225	28.7m	1:50.7	2.880m	2.314m	TWINWALL	TYPE S	N4/2	N4/3	
N4/1.002	300	12.5m	1:36.6	2.239m	1.896m	TWINWALL	TYPE S	N4/3	N4/5	
N4/1.003	300	15.3m	1:65.1	1.896m	1.661m	TWINWALL	TYPE S	N4/5	N4/HEADWALL 104	
N4/1.004	375	5.6m	1:186.9	1.422m	1.392m	TWINWALL	TYPE S	N4/HEADWALL 105	N4/HEADWALL 106	
N4/1.007	450	9.2m	1:30.8	0.887m	0.590m	TWINWALL	TYPE S	N4/HEADWALL 107	N4/32	
N4/1.008	150	5.5m	1:6.8	0.590m	-0.227m	TWINWALL	TYPE S	N4/32	N4/EX HW8	
N4/2.000	225	68.1m	1:81.9	3.145m	2.314m	TWINWALL	TYPE S	N4/4	N4/3	
N4/3.000	225	45.6m	1:166.9	3.191m	2.918m	TWINWALL	TYPE S	N4/6	N4/7	
N4/3.001	225	30.6m	1:32.3	2.918m	1.971m	TWINWALL	TYPE S	N4/7	N4/5	
N4/4.000	225	38.6m	1:170.0	2.917m	2.690m	TWINWALL	TYPE S	N4/8	N4/9	
N4/4.001	300	36.2m	1:245.0	2.615m	2.467m	TWINWALL	TYPE S	N4/9	N4/10	
N4/4.002	300	12.3m	1:245.0	2.467m	2.417m	TWINWALL	TYPE S	N4/10	N4/11	
N4/4.003	300	13.4m	1:245.0	2.417m	2.362m	TWINWALL	TYPE S	N4/11	N4/12	
N4/4.004	300	17.7m	1:245.0	2.362m	2.290m	TWINWALL	TYPE S	N4/12	N4/13	
N4/4.005	300	13.4m	1:245.0	2.018m	1.963m	TWINWALL	TYPE S	N4/13	N4/16	
N4/4.006	300	10.1m	1:266.7	1.963m	1.925m	TWINWALL	TYPE S	N4/16	N4/HEADWALL 101	
N4/4.007	375	15.8m	1:235.5	1.593m	1.526m	TWINWALL	TYPE S	N4/HEADWALL 102	N4/HEADWALL 103	
N4/5.000	150	24.2m	1:100.0	3.125m	2.883m	TWINWALL	TYPE S	N4/14	N4/15	
N4/5.001	150	17.6m	1:24.7	2.883m	2.188m	TWINWALL	TYPE S	N4/15	N4/13	
N4/6.000	150	16.8m	1:43.2	2.948m	2.558m	TWINWALL	TYPE S	N4/17	N4/18	
N4/6.001	300	17.0m	1:173.4	2.408m	2.310m	TWINWALL	TYPE S	N4/18	N4/21	
N4/6.002	300	22.3m	1:187.1	2.310m	2.191m	TWINWALL	TYPE S	N4/21	N4/24	
N4/6.003	300	14.7m	1:169.4	2.191m	2.104m	TWINWALL	TYPE S	N4/24	N4/26	
N4/6.004	300	8.5m	1:60.3	2.104m	1.963m	TWINWALL	TYPE S	N4/26	N4/16	
N4/7.000	225	26.6m	1:146.1	2.792m	2.610m	TWINWALL	TYPE S	N4/19	N4/20	
N4/7.001	225	21.6m	1:170.0	2.610m	2.483m	TWINWALL	TYPE S	N4/20	N4/18	
N4/8.000	225	27.0m	1:170.0	2.732m	2.573m	TWINWALL	TYPE S	N4/22	N4/23	
N4/8.001	225	32.0m	1:170.0	2.573m	2.385m	TWINWALL	TYPE S	N4/23	N4/21	
N4/9.000	225	6.6m	1:22.8	2.556m	2.266m	TWINWALL	TYPE S	N4/25	N4/24	
N4/10.000	225	19.4m	1:170.0	2.604m	2.490m	TWINWALL	TYPE S	N4/27	N4/28	
N4/10.001	225	5.9m	1:170.0	2.490m	2.455m	TWINWALL	TYPE S	N4/28	N4/29	
N4/10.002	225	21.3m	1:170.0	2.455m	2.330m	TWINWALL	TYPE S	N4/29	N4/30	
N4/10.003	225	36.1m	1:170.0	2.330m	2.118m	TWINWALL	TYPE S	N4/30	N4/31	
N4/10.004	225	13.6m	1:170.0	2.118m	2.038m	TWINWALL	TYPE S	N4/31	N4/16	
N4/11.000	225	47.9m	1:32.6	3.051m	1.582m	TWINWALL	TYPE S	N4/33	N4/34	
N4/11.001	300	13.4m	1:24.6	1.507m	0.964m	TWINWALL	TYPE S	N4/34	N4/HEADWALL 202	
N4/11.003	600	19.3m	1:469.6	0.631m	0.590m	TWINWALL	TYPE S	N4/HEADWALL 204	N4/32	
N4/12.000	225	25.6m	1:170.5	2.988m	2.838m	TWINWALL	TYPE S	N4/35	N4/36	
N4/12.001	225	30.3m	1:244.5	2.838m	2.714m	TWINWALL	TYPE S	N4/36	N4/37	
N4/12.002	300	10.2m	1:9.0	2.639m	1.507m	TWINWALL	TYPE S	N4/37	N4/	
N4/13.000	225	14.9m	1:12.1	2.820m	1.582m	TWINWALL	TYPE S	N4/38	N4/34	
N4/14.000	225	13.4m	1:170.0	2.300m	2.221m	TWINWALL	TYPE S	N4/39	N4/40	
N4/14.001	300	11.4m	1:245.0	2.146m	2.099m	TWINWALL	TYPE S	N4/40	N4/44	
N4/14.002	300	16.9m	1:245.0	2.099m	2.030m	TWINWALL	TYPE S	N4/44	N4/45	

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PIPE NAME	PIPE DIAMETER (mm)	PIPE LENGTH (m)	GRADIENT	START IL	END IL	PIPE MATERIAL	PIPE BEDDING	US STRUCTURE	DS STRUCTURE	COMMENTS
N4/14.003	300	16.6m	1:19.7	2.030m	1.188m	TWINWALL	TYPE S	N4/45	N4/46	
N4/14.004	600	16.3m	1:500.0	0.888m	0.856m	TWINWALL	TYPE S	N4/46	N4/HEADWALL 201	
N4/15.000	225	12.9m	1:157.7	2.750m	2.668m	TWINWALL	TYPE S	N4/41	N4/42	
N4/15.001	300	27.0m	1:131.5	2.593m	2.388m	TWINWALL	TYPE S	N4/42	N4/43	
N4/15.002	300	10.8m	1:44.8	2.388m	2.146m	TWINWALL	TYPE S	N4/43	N4/40	
N4/16.000	225	26.1m	1:150.1	2.829m	2.655m	TWINWALL	TYPE S	N4/47	N4/48	
N4/16.001	225	29.3m	1:150.0	2.655m	2.460m	TWINWALL	TYPE S	N4/48	N4/49	
N4/16.002	300	11.7m	1:150.0	2.385m	2.307m	TWINWALL	TYPE S	N4/49	N4/50	
N4/16.003	300	13.2m	1:149.7	2.307m	2.219m	TWINWALL	TYPE S	N4/50	N4/51	
N4/16.004	300	18.1m	1:149.8	2.219m	2.096m	TWINWALL	TYPE S	N4/51	N4/52	
N4/16.005	300	11.9m	1:15.6	2.096m	1.335m	TWINWALL	TYPE S	N4/52	N4/53	
N4/16.006	600	25.0m	1:500.0	1.051m	1.001m	TWINWALL	TYPE S	N4/53	N4/76	
N4/16.007	600	56.7m	1:500.0	1.001m	0.888m	TWINWALL	TYPE S	N4/76	N4/46	
N4/17.000	300	33.3m	1:245.0	2.137m	2.001m	TWINWALL	TYPE S	N4/54	N4/55	
N4/17.001	300	35.6m	1:245.0	2.001m	1.856m	TWINWALL	TYPE S	N4/55	N4/56	
N4/17.002	300	30.3m	1:245.0	1.856m	1.732m	TWINWALL	TYPE S	N4/56	N4/57	
N4/17.003	300	32.0m	1:245.0	1.732m	1.601m	TWINWALL	TYPE S	N4/57	N4/58	
N4/17.004	300	38.9m	1:245.0	1.601m	1.442m	TWINWALL	TYPE S	N4/58	N4/59	
N4/17.005	300	42.0m	1:245.0	1.442m	1.271m	TWINWALL	TYPE S	N4/59	N4/60	
N4/17.006	300	26.7m	1:410.0	1.271m	1.206m	TWINWALL	TYPE S	N4/60	N4/73	
N4/17.007	375	19.6m	1:410.0	1.206m	1.158m	TWINWALL	TYPE S	N4/73	N4/74	
N4/17.008	375	26.9m	1:410.0	1.158m	1.092m	TWINWALL	TYPE S	N4/74	N4/75	
N4/17.009	375	17.0m	1:410.0	1.092m	1.051m	TWINWALL	TYPE S	N4/75	N4/53	
N4/18.000	300	39.3m	1:245.2	2.281m	2.121m	TWINWALL PERFORATED	TYPE S	N4/61	N4/62	
N4/18.002	300	40.6m	1:244.8	2.121m	1.955m	TWINWALL PERFORATED	TYPE S	N4/62	N4/63	
N4/18.004	300	51.5m	1:244.0	1.955m	1.744m	TWINWALL PERFORATED	TYPE S	N4/63	N4/64	
N4/18.006	300	34.0m	1:244.7	1.744m	1.605m	TWINWALL PERFORATED	TYPE S	N4/64	N4/65	
N4/18.008	300	25.9m	1:245.0	1.605m	1.499m	TWINWALL PERFORATED	TYPE S	N4/65	N4/66	
N4/18.010	300	15.0m	1:245.0	1.499m	1.438m	TWINWALL	TYPE S	N4/66	N4/67	
N4/18.011	300	15.2m	1:245.0	1.438m	1.376m	TWINWALL	TYPE S	N4/67	N4/68	
N4/18.012	300	17.7m	1:168.5	1.376m	1.271m	TWINWALL	TYPE S	N4/68	N4/60	
N4/19.000	300	27.3m	1:245.0	1.701m	1.589m	TWINWALL	TYPE S	N4/69	N4/70	
N4/19.001	300	18.0m	1:245.0	1.589m	1.516m	TWINWALL	TYPE S	N4/70	N4/71	
N4/19.002	300	17.9m	1:245.0	1.516m	1.443m	TWINWALL	TYPE S	N4/71	N4/72	
N4/19.003	300	16.3m	1:245.0	1.443m	1.376m	TWINWALL	TYPE S	N4/72	N4/68	
N4/20.000	150	19.3m	1:23.8	8.845m	8.037m	TWINWALL	TYPE S	N4/77	N4/78	
N4/20.001	150	37.2m	1:23.1	8.037m	6.427m	TWINWALL	TYPE S	N4/78	N4/79	
N4/20.002	225	29.6m	1:23.9	6.352m	5.115m	TWINWALL	TYPE S	N4/79	N4/80	
N4/20.003	225	24.4m	1:20.9	5.115m	3.949m	TWINWALL	TYPE S	N4/80	N4/81	
N4/20.004	225	78.4m	1:32.2	3.949m	1.515m	TWINWALL	TYPE S	N4/81	N4/82	
N4/20.005	300	12.2m	1:24.3	1.440m	0.937m	TWINWALL	TYPE S	N4/82	N4/HEADWALL 203	

PIPE SCHEDULE N10										
PIPE NAME	PIPE DIAMETER (mm)	PIPE LENGTH (m)	GRADIENT	START IL	END IL	PIPE MATERIAL	PIPE BEDDING	US STRUCTURE	DS STRUCTURE	COMMENTS
N10/1.001	150	12.0m	1:31.8	0.862m	0.485m	TWINWALL	TYPE S	N10/801	N10/802	
N10/1.002	225	3.1m	1:4.0	0.485m	-0.286m	TWINWALL	TYPE S	N10/802	N10/EX HW7	

- NOTES:
- THESE NOTES ARE INTENDED TO AUGMENT DRAWINGS AND SPECIFICATIONS. WHERE CONFLICT OF REQUIREMENTS EXIST THE ORDER OF PRECEDENCE SHALL BE AS SHOWN IN THE SPECIFICATION. OTHERWISE THE STRICTEST PROVISION SHALL GOVERN.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS.
 - DRAWINGS NOT TO BE SCALED. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER AND FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED.
 - ALL LEVELS ARE AOD (ABOVE ORDNANCE DATUM) UNO.
 - ABBREVIATIONS:
 - MH = MANHOLE
 - CL = COVER LEVEL
 - IL = INVERT LEVEL
 - SW = SURFACE WATER
 - N1-100 = SWALE
 - N1-100HW = SURFACE WATER CHAMBERS
 - DS = SURFACE WATER DEMARCATION CHAMBER
 - CONC = CONCRETE
 - DWG = DRAWING

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Project:	M181 Southern Junction - Phase 2, B1450 Spur and East Roundabout					
Client:	North Lincolnshire Council					
Drawing:	Temporary Phase - Drainage Pipe Schedule					
Role:	CIVIL ENGINEER					
Drawing Status:	FOR REVIEW & COMMENT			Stability Code:	S3	
Job. no.	53335	Scale@ A1:	N/A	Rev.	P01	
Project	Originator	Zone	Level	Type	Role	Number
SER-	AWP	ZZ	05	D	C	3107