

PIPE SCHEDULE 5A										
PIPE NAME	PIPE DIAMETER (mm)	PIPE LENGTH (m)	GRADIENT	START I.L.	END I.L.	PIPE MATERIAL	PIPE BEDDING	US STRUCTURE	DS STRUCTURE	COMMENTS
5A/1.000	300	26.1m	1:244.1	2.478m	2.371m	TWINWALL	TYPE S	5A/1	5A/2	
5A/1.001	300	13.9m	1:244.6	2.371m	2.314m	TWINWALL	TYPE S	5A/2	5A/3	
5A/1.002	300	20.0m	1:244.2	2.314m	2.232m	TWINWALL	TYPE S	5A/3	5A/4	
5A/1.003	300	16.2m	1:244.9	2.232m	2.166m	TWINWALL	TYPE S	5A/4	5A/5	CONCRETE PROTECTION REQUIRED
5A/1.004	300	24.4m	1:243.9	2.166m	2.066m	TWINWALL	TYPE S	5A/5	5A/15	CONCRETE PROTECTION REQUIRED
5A/1.005	225	23.3m	1:22.8	0.851m	-0.170m	TWINWALL	TYPE S	5A/15	5A/OUTFALL	
5A/2.000	300	68.7m	1:243.6	2.500m	2.218m	TWINWALL PERFORATED	TYPE S	5A/6	5A/7	
5A/2.001	300	18.6m	1:244.9	2.218m	2.142m	TWINWALL PERFORATED	TYPE S	5A/7	5A/8	
5A/2.002	300	11.9m	1:243.2	2.142m	2.093m	TWINWALL PERFORATED	TYPE S	5A/8	5A/9	
5A/2.003	300	6.6m	1:246.2	2.093m	2.066m	TWINWALL	TYPE S	5A/9	5A/15	
5A/3.000	300	23.4m	1:234.2	2.388m	2.288m	TWINWALL	TYPE S	5A/10	5A/11	
5A/3.001	300	23.7m	1:239.4	2.288m	2.189m	TWINWALL	TYPE S	5A/11	5A/14	
5A/3.002	300	14.9m	1:270.6	2.121m	2.066m	TWINWALL	TYPE S	5A/14	5A/15	CONCRETE PROTECTION REQUIRED
5A/4.000	300	17.6m	1:244.0	2.261m	2.189m	TWINWALL	TYPE S	5A/12	5A/13	CONCRETE PROTECTION REQUIRED
5A/4.001	300	16.2m	1:237.7	2.189m	2.121m	TWINWALL	TYPE S	5A/13	5A/14	

PIPE SCHEDULE N5B										
PIPE NAME	PIPE DIAMETER (mm)	PIPE LENGTH (m)	GRADIENT	START I.L.	END I.L.	PIPE MATERIAL	PIPE BEDDING	US STRUCTURE	DS STRUCTURE	COMMENTS
N5B/1.000	300	13.1m	1:242.7	2.048m	1.994m	TWINWALL	TYPE S	N5B/1	N5B/2	
N5B/1.001	300	18.1m	1:244.1	1.994m	1.920m	TWINWALL	TYPE S	N5B/2	N5B/3	
N5B/1.002	300	13.3m	1:241.9	1.920m	1.865m	TWINWALL	TYPE S	N5B/3	N5B/5	CONCRETE PROTECTION REQUIRED
N5B/1.003	300	18.6m	1:245.0	1.865m	1.789m	TWINWALL	TYPE S	N5B/5	N5B/7	CONCRETE PROTECTION REQUIRED
N5B/1.004	300	12.4m	1:243.8	1.789m	1.738m	TWINWALL	TYPE S	N5B/7	N5B/17	
N5B/1.005	225	20.2m	1:23.0	0.523m	-0.356m	TWINWALL	TYPE S	N5B/17	N5B/OUTFALL	
N5B/2.000	150	15.6m	1:100.1	2.171m	2.015m	TWINWALL	TYPE S	N5B/4	N5B/5	CONCRETE PROTECTION REQUIRED
N5B/3.000	150	8.4m	1:100.4	2.023m	1.939m	TWINWALL	TYPE S	N5B/6	N5B/7	
N5B/4.000	300	15.1m	1:255.1	2.079m	2.020m	TWINWALL	TYPE S	N5B/8	N5B/9	CONCRETE PROTECTION REQUIRED
N5B/4.001	300	25.3m	1:240.5	2.020m	1.915m	TWINWALL	TYPE S	N5B/9	N5B/10	
N5B/4.002	300	27.1m	1:244.3	1.915m	1.804m	TWINWALL	TYPE S	N5B/10	N5B/12	
N5B/4.003	300	16.2m	1:245.8	1.804m	1.738m	TWINWALL	TYPE S	N5B/12	N5B/17	CONCRETE PROTECTION REQUIRED
N5B/5.000	300	20.6m	1:237.1	1.891m	1.804m	TWINWALL	TYPE S	N5B/11	N5B/12	
N5B/6.000	300	41.0m	1:244.0	2.208m	2.040m	TWINWALL PERFORATED	TYPE S	N5B/13	N5B/14	
N5B/6.001	300	29.6m	1:244.3	2.040m	1.919m	TWINWALL PERFORATED	TYPE S	N5B/14	N5B/15	
N5B/6.002	300	27.0m	1:244.0	1.919m	1.808m	TWINWALL PERFORATED	TYPE S	N5B/15	N5B/16	
N5B/6.003	300	17.2m	1:244.0	1.808m	1.738m	TWINWALL	TYPE S	N5B/16	N5B/17	

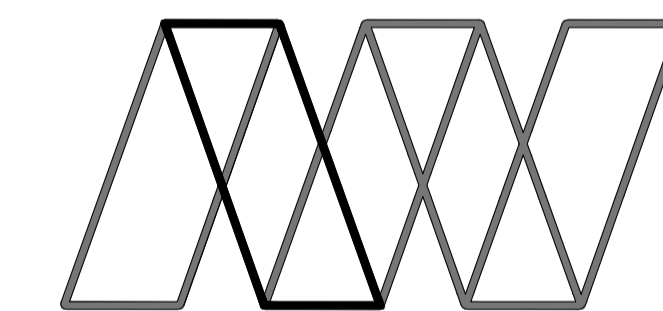
PIPE SCHEDULE N7										
PIPE NAME	PIPE DIAMETER (mm)	PIPE LENGTH (m)	GRADIENT	START I.L.	END I.L.	PIPE MATERIAL	PIPE BEDDING	US STRUCTURE	DS STRUCTURE	COMMENTS
N7/1.000	225	29.4m	1:167.0	2.722m	2.546m	TWINWALL	TYPE S	N7/1	N7/2	
N7/1.001	225	22.9m	1:167.0	2.546m	2.409m	TWINWALL	TYPE S	N7/2	N7/6	
N7/1.002	225	10.7m	1:167.0	2.409m	2.345m	TWINWALL	TYPE S	N7/6	N7/7	
N7/1.003	11	9.1m	1:534.0	2.195m	2.178m	SWALE	TYPE S	N7/7	N7/8	TRAPEZOIDAL CROSS SECTION OPEN CHANNEL
N7/1.004	225	2.3m	1:11.2	2.177m	1.970m	TWINWALL	TYPE S	N7/8	N7/OUTFALL	
N7/2.000	225	25.5m	1:167.0	2.797m	2.644m	TWINWALL	TYPE S	N7/3	N7/4	
N7/2.001	225	26.6m	1:167.0	2.644m	2.484m	TWINWALL	TYPE S	N7/4	N7/5	
N7/2.002	225	12.5m	1:167.0	2.484m	2.409m	TWINWALL	TYPE S	N7/5	N7/6	CONCRETE PROTECTION REQUIRED

PIPE SCHEDULE N8										
PIPE NAME	PIPE DIAMETER (mm)	PIPE LENGTH (m)	GRADIENT	START I.L.	END I.L.	PIPE MATERIAL	PIPE BEDDING	US STRUCTURE	DS STRUCTURE	COMMENTS
N8/1.000	11	28.8m	1:497.1	1.529m	1.471m	SWALE	TYPE S	N8/1	N8/2	TRAPEZOIDAL CROSS SECTION OPEN CHANNEL
N8/1.001	11	19.9m	1:499.9	1.471m	1.431m	SWALE	TYPE S	N8/2	N8/3	TRAPEZOIDAL CROSS SECTION OPEN CHANNEL
N8/1.002	11	14.0m	1:500.2	1.431m	1.403m	SWALE	TYPE S	N8/3	N8/4	TRAPEZOIDAL CROSS SECTION OPEN CHANNEL
N8/1.003	11	8.9m	1:489.9	1.403m	1.385m	SWALE	TYPE S	N8/4	N8/5	TRAPEZOIDAL CROSS SECTION OPEN CHANNEL
N8/1.004	11	10.6m	1:504.0	1.385m	1.364m	SWALE	TYPE S	N8/5	N8/6	TRAPEZOIDAL CROSS SECTION OPEN CHANNEL
N8/1.005	11	24.4m	1:498.4	1.364m	1.315m	SWALE	TYPE S	N8/6	N8/7	TRAPEZOIDAL CROSS SECTION OPEN CHANNEL
N8/1.006	11	27.9m	1:498.8	1.315m	1.259m	SWALE	TYPE S	N8/7	N8/8	TRAPEZOIDAL CROSS SECTION OPEN CHANNEL
N8/1.007	11	37.8m	1:478.1	1.259m	1.180m	SWALE	TYPE S	N8/8	N8/12	TRAPEZOIDAL CROSS SECTION OPEN CHANNEL
N8/1.008	150	15.7m	1:36.4	1.180m	0.749m	TWINWALL	TYPE S	N8/12	N8/13	
N8/1.009	11	33.7m	1:106.0	0.749m	0.431m	SWALE	TYPE S	N8/13	N8/14	TRAPEZOIDAL CROSS SECTION OPEN CHANNEL
N8/1.010	11	37.7m	1:502.3	0.431m	0.356m	SWALE	TYPE S	N8/14	N8/15	TRAPEZOIDAL CROSS SECTION OPEN CHANNEL
N8/1.011	300	10.0m	1:237.9	0.356m	0.314m	TWINWALL TWIN PIPES	TYPE S	N8/15	N8/20	CONCRETE PROTECTION REQUIRED
N8/1.012	300	10.1m	1:252.9	0.314m	0.274m	TWINWALL TWIN PIPES	TYPE S	N8/20	N8/34	CONCRETE PROTECTION REQUIRED
N8/1.013	225	52.4m	1:166.9	0.274m	-0.040m	TWINWALL	TYPE S	N8/34	N8/OUTFALL	
N8/2.000	300	70.9m	1:244.0	2.229m	1.938m	TWINWALL PERFORATED	TYPE S	N8/9	N8/10	
N8/2.001	300	18.7m	1:244.0	1.938m	1.861m	TWINWALL PERFORATED	TYPE S	N8/10	N8/11	
N8/2.002	300	8.2m	1:20.0	1.861m	1.450m	TWINWALL	TYPE S	N8/11	N8/12	
N8/3.000	225	43.1m	1:167.0	0.835m	0.577m	TWINWALL PERFORATED	TYPE S	N8/16	N8/17	
N8/3.001	225	31.4m	1:166.9	0.577m	0.389m	TWINWALL PERFORATED	TYPE S	N8/17	N8/20	
N8/4.000	300	28.7m	1:243.5	0.555m	0.437m	TWINWALL PERFORATED	TYPE S	N8/18	N8/19	
N8/4.001	300	30.0m	1:243.7	0.437m	0.314m	TWINWALL PERFORATED	TYPE S	N8/19	N8/20	
N8/5.000	300	69.0m	1:75.7	2.905m	1.993m	TWINWALL PERFORATED	TYPE S	N8/21	N8/22	
N8/5.001	300	42.9m	1:75.7	1.993m	1.426m	TWINWALL PERFORATED	TYPE S	N8/22	N8/23	
N8/5.002	300	42.9m	1:75.7	1.426m	0.859m	TWINWALL PERFORATED	TYPE S	N8/23	N8/31	
N8/5.003	300	29.9m	1:68.6	0.709m	0.274m	TWINWALL PERFORATED	TYPE S	N8/31	N8/34	
N8/6.000	300	10.3m	1:245.0	1.558m	1.516m	TWINWALL	TYPE S	N8/24	N8/25	
N8/6.001	300	10.2m	1:242.2	1.516m	1.474m	TWINWALL	TYPE S	N8/25	N8/26	
N8/6.002	300	64.9m	1:244.0	1.474m	1.208m	TWINWALL	TYPE S	N8/26	N8/27	
N8/6.003	300	93.6m	1:244.3	1.208m	0.825m	TWINWALL	TYPE S	N8/27	N8/29	
N8/6.004	300	19.5m	1:244.1	0.825m	0.745m	TWINWALL	TYPE S	N8/29	N8/30	
N8/6.005	300	8.8m	1:245.2	0.745m	0.709m	TWINWALL	TYPE S	N8/30	N8/31	
N8/7.000	150	12.3m	1:100.2	1.098m	0.975m	TWINWALL	TYPE S	N8/28	N8/29	
N8/8.000	225	30.4m	1:166.8	0.710m	0.528m	TWINWALL PERFORATED	TYPE S	N8/32	N8/33	
N8/8.001	225	29.9m	1:166.9	0.528m	0.349m	TWINWALL PERFORATED	TYPE S	N8/33	N8/34	

THIS DRAWING TO BE READ IN CONJUNCTION WITH THE AWP DRAWINGS:	
LLHI-AWP-01-05-DR-D-0001 TO 0010	M181 JUNCTION - DRAINAGE LAYOUT
LLHI-AWP-01-05-DR-D-00011 TO 0019	M181 JUNCTION-DRAINAGE PIPE SCHEDULES
LLHI-AWP-01-05-DR-D-0020 TO 0029	M181 JUNCTION-DRAINAGE MANHOLE SCHEDULES
LLHI-AWP-01-05-DR-D-0030 TO 0039	M181 JUNCTION-DRAINAGE DIVERSION OF EXISTING DITCHES LAYOUT AND STANDARD DETAILS
LLHI-AWP-01-05-DR-D-0040 TO 0049	M181 JUNCTION-DRAINAGE ATTENUATION PONDS LAYOUT AND CONSTRUCTION DETAILS
LLHI-AWP-01-05-DR-D-0050 TO 0059	M181 JUNCTION-DRAINAGE FLOW CONTROL CONSTRUCTION DETAILS
LLHI-AWP-01-05-DR-D-0060 TO 0069	M181 JUNCTION-DRAINAGE STANDARD DETAILS


- GENERAL NOTES:**
- THE 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.
  - THE 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 CONTRACTOR. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER AND FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED.
  - ALL LEVELS ARE IN METRES AOD (ABOVE ORDNANCE DATUM) UNLESS NOTED OTHERWISE.
  - ALL WORKS TO BE UNDERTAKEN IN COMPLIANCE WITH BS 8000 FOR WORKMANSHIP ON BUILDING SITES.
  - ABBREVIATIONS: MH = MANHOLE  
CL = COVER LEVEL  
IL = INVERT LEVEL  
SW = SURFACE WATER  
N1-10/S = SWALE  
N1-10/MH = SURFACE WATER CHAMBERS  
DS = SURFACE WATER DEMARCATION CHAMBER  
CONC = CONCRETE  
DWG = DRAWING
  - ALL EARTHWORKS SHALL BE UNDERTAKEN IN FULL COMPLIANCE WITH THE SPECIFICATION FOR HIGHWAYS WORKS MCW SERIES 600.
  - THE CONTRACTOR MUST ENSURE THAT THE WHOLE WORKS COMPLY BOTH WITH THE SPECIFICATION AND THE DRAWINGS WHICH ARE SUBJECT TO APPROVAL BY THE RELEVANT AUTHORITIES.
  - IF ANY DISCREPANCIES EXIST BETWEEN THE SPECIFICATION AND THE DRAWINGS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
  - THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AUTHORITY PRIOR TO COMMENCEMENT OF EACH STAGE OF THE WORK FOR THEIR REPRESENTATIVE TO CARRY OUT INSPECTION TO ENSURE COMPLIANCE WITH THEIR SPECIFICATION AND APPROVED DETAILS. IF ANY SUCH REQUESTS OR INSTRUCTIONS CONFLICT WITH THE SPECIFICATION THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.

Rev	Description	Date	By	Chk	App
T5	AMENDED TO SUIT REDUCED CENTRAL ROUNDABOUT ISLAND	25.06.21	KA	JG	JG
T4	AMENDMENT OF N8 PIPE INFORMATION	22.01.21	KA	JP	JG
T3	AMENDMENT TO NETWORKS N1 AND N4	15.01.21	KA	JP	JG
T2	MINOR AMENDMENTS TO THE DRAINAGE NETWORK N7	06.10.20	TV	SPG	JG
T1	FIRST ISSUE	02.10.20	TV	SPG	JG



**Alan Wood & Partners**

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Project:	LINCOLNSHIRE LAKES, SCUNTHORPE M181/B1450 HIGHWAY WORKS				
Client:	 MALTGRADE				
Drawing:	M181-JUNCTION -DRAINAGE PIPE SCHEDULE SHEET 2				
Role:	CIVIL ENGINEER				
Drawing Status:	TENDER				
Job. no.	43972	Scale@ A1:	1:500	Rev.	T5
Project	Originator	Volume	Level	Type	Role
LLHI - AWP - 01 - 05 - DR - D - 0012					