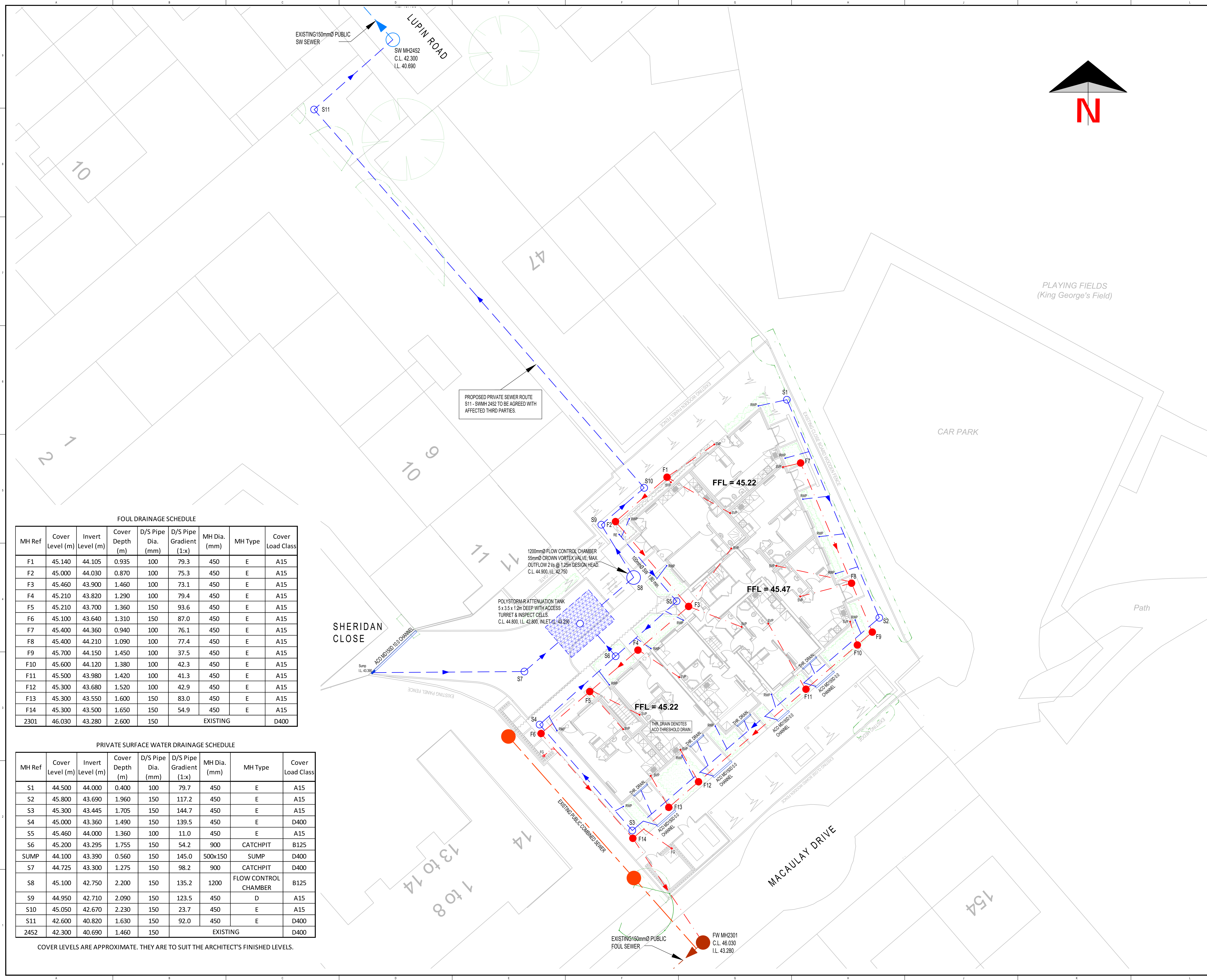
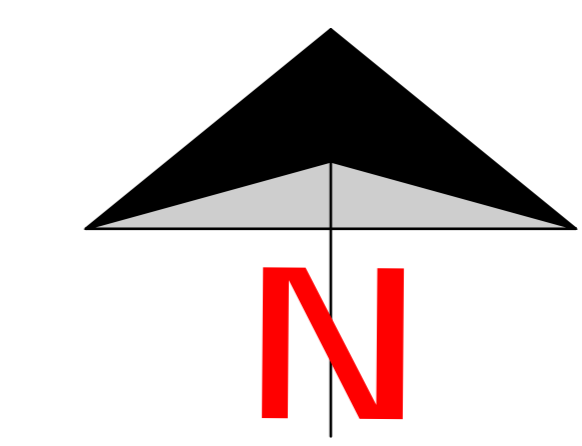


KEY

- Proposed Foul Drain —●—
- Proposed Surface Water Drain —○—
- Obsolete Drain (to be removed) - - -
- Existing Foul Sewer —●—
- Existing Surface Water Sewer —○—
- Rainwater Pipe —○— RWP
- Foul Connection (snp, ss, sink, etc) SVP
- Floor Gully —○— FG

NOTES

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS' AND ARCHITECTS' DRAWINGS.
2. THE PROPOSED DRAINAGE IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS AND THE CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY.
3. ROOT BARRIER PROTECTION IS TO BE PROVIDED FOR DRAINAGE LOCATED WITHIN TREE CANOPY AREAS.
4. A PROTECTIVE GEOTEXTILE / PLASTIC MEMBRANE IS TO BE APPLIED TO ALL FOUL DRAINS LAID ABOVE STORMWATER PIPES.
5. UNLESS OTHERWISE INDICATED, FOUL DRAINS WILL BE 100mm ϕ LAID AT 1:80 MINIMUM GRADIENT AND SURFACE WATER DRAINS WILL BE 150mm ϕ LAID AT 1:150 MINIMUM GRADIENT.
6. MANHOLE COVER LEVELS ARE TO BE ADJUSTED TO SUIT ADJACENT FINISHED LEVELS.
7. PREFABRICATED DRAINAGE COMPONENTS ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' INSTRUCTIONS AND MANUALS.
8. ACO TOTAL FLOW GULLIES (PARTS 106115 & 106113), OR TO ARCHITECT'S SPECIFICATION, IN BIN STORE AND PLANT ROOM.
9. ACCESS AT THE HEAD WILL NEED TO BE PROVIDED WHERE A FOUL CONNECTION DISCHARGES AT A JUNCTION RATHER THAN INTO AN INSPECTION CHAMBER.
10. FOUL AND SURFACE WATER DRAINAGE CONNECTION INTO EXISTING PUBLIC SEWERS WILL REQUIRE THE PRIOR APPROVAL OF ANGLIAN WATER UNDER SECTION 106 OF THE WATER INDUSTRY ACT.
11. STAINLESS STEEL RECESSED COVER & FRAME TO BE USED WHERE MANHOLE IS SITED IN PAVED AREA.



FOUL DRAINAGE SCHEDULE

MH Ref	Cover Level (m)	Invert Level (m)	Cover Depth (m)	D/S Pipe Dia. (mm)	D/S Pipe Gradient (1:x)	MH Dia. (mm)	MH Type	Cover Load Class
F1	45.140	44.105	0.935	100	79.3	450	E	A15
F2	45.000	44.030	0.870	100	75.3	450	E	A15
F3	45.460	43.900	1.460	100	73.1	450	E	A15
F4	45.210	43.820	1.290	100	79.4	450	E	A15
F5	45.210	43.700	1.360	150	93.6	450	E	A15
F6	45.100	43.640	1.310	150	87.0	450	E	A15
F7	45.400	44.360	0.940	100	76.1	450	E	A15
F8	45.400	44.210	1.090	100	77.4	450	E	A15
F9	45.700	44.150	1.450	100	37.5	450	E	A15
F10	45.600	44.120	1.380	100	42.3	450	E	A15
F11	45.500	43.980	1.420	100	41.3	450	E	A15
F12	45.300	43.680	1.520	100	42.9	450	E	A15
F13	45.300	43.550	1.600	150	83.0	450	E	A15
F14	45.300	43.500	1.650	150	54.9	450	E	A15
2301	46.030	43.280	2.600	150		EXISTING		D400

PRIVATE SURFACE WATER DRAINAGE SCHEDULE

MH Ref	Cover Level (m)	Invert Level (m)	Cover Depth (m)	D/S Pipe Dia. (mm)	D/S Pipe Gradient (1:x)	MH Dia. (mm)	MH Type	Cover Load Class
S1	44.500	44.000	0.400	100	79.7	450	E	A15
S2	45.800	43.690	1.960	150	117.2	450	E	A15
S3	45.300	43.445	1.705	150	144.7	450	E	A15
S4	45.000	43.360	1.490	150	139.5	450	E	D400
S5	45.460	44.000	1.360	100	11.0	450	E	A15
S6	45.200	43.295	1.755	150	54.2	900	CATCHPIT	B125
SUMP	44.100	43.390	0.560	150	145.0	500x150	SUMP	D400
S7	44.725	43.300	1.275	150	98.2	900	CATCHPIT	D400
S8	45.100	42.750	2.200	150	135.2	1200	FLOW CONTROL CHAMBER	B125
S9	44.950	42.710	2.090	150	123.5	450	D	A15
S10	45.050	42.670	2.230	150	23.7	450	E	A15
S11	42.600	40.820	1.630	150	92.0	450	E	D400
2452	42.300	40.690	1.460	150		EXISTING		D400

COVER LEVELS ARE APPROXIMATE. THEY ARE TO SUIT THE ARCHITECT'S FINISHED LEVELS.

rev	date	description	DM	DN
A	07.12.2023	Issued for Tender	DM	DN
	30.11.2023	Preliminary Issue	DM	DN

WARD COLE
consulting engineers

Lincolnshire
Lincoln

client: **YMCA Lincolnshire**

project: **12 Sheridan Close Lincoln**

drawing title: **Proposed Drainage Layout**

scale: 1:150 (A0) Tender

job number: 10-5898
drawing number: 500
revision: A