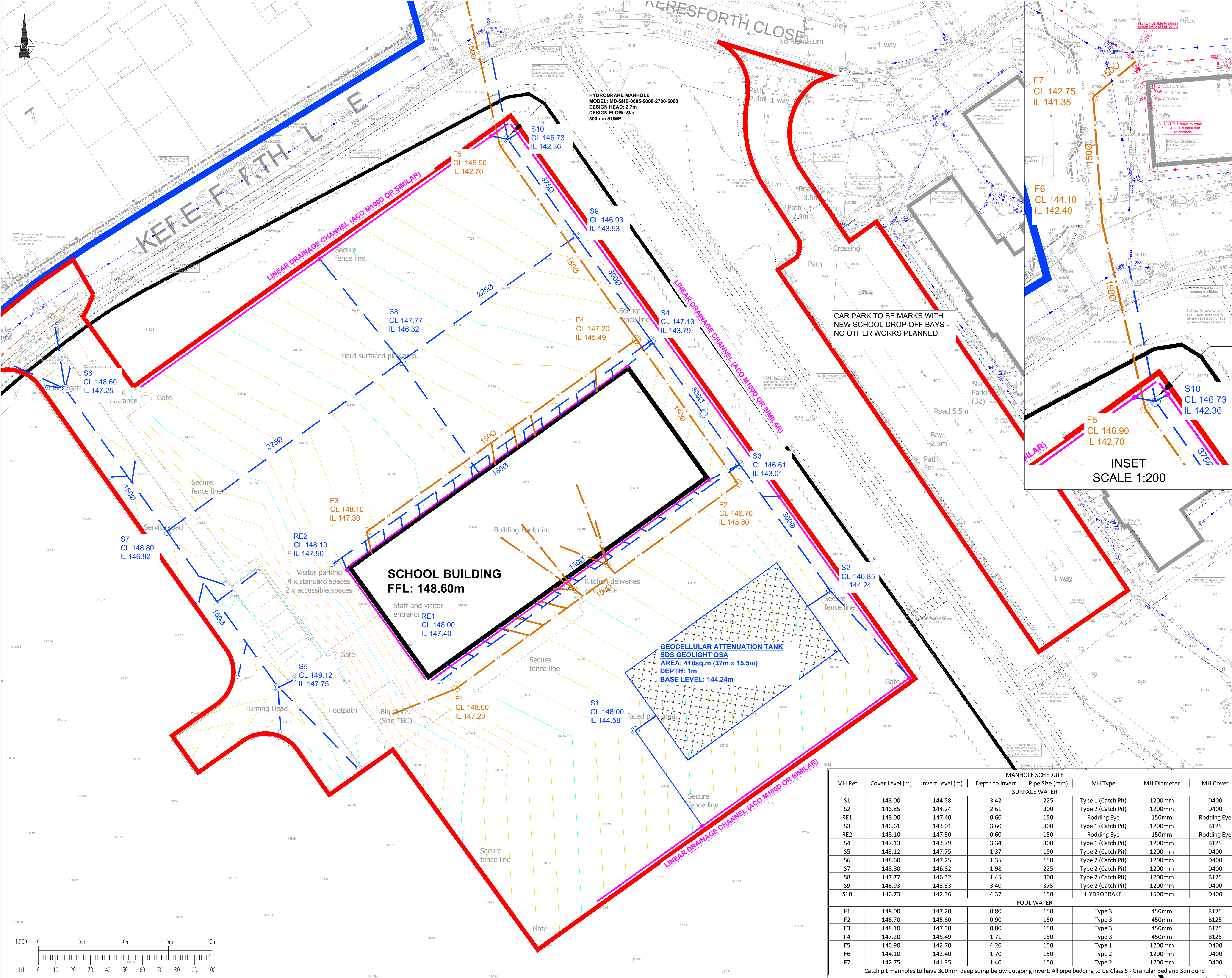




This drawing should not be scaled. Dimensions to be verified on site. Any discrepancies should be referred to the Engineer prior to work being put in hand.

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GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEER'S, ARCHITECT'S OR OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
- ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARING ANY WORKING DRAWINGS OR COMMENCING ON SITE.
- THE CONTRACTOR MUST ENSURE AND WILL BE HELD RESPONSIBLE FOR THE OVERALL STABILITY OF THE BUILDING/STRUCTURE/EXCAVATION AT ALL STAGES OF THE WORK.
- ALL WORK BY THE CONTRACTOR MUST BE CARRIED OUT IN SUCH A WAY THAT ALL REQUIREMENTS UNDER THE HEALTH AND SAFETY AT WORK ACT ARE SATISFIED.
- ALL WORK IS TO BE CARRIED OUT IN COMPLIANCE WITH THE REQUIREMENTS OF THE RELEVANT STATUTORY AUTHORITIES AND REGULATIONS.
- UNREFERENCED FOUL CHAMBERS ARE TO BE TYPE 4 NON-ACCESS SHALLOW INSPECTION CHAMBERS SET AT MINIMUM COVER DEPTH TO ALLOW RODDING ACCESS TO INTERNAL POP-UP LOCATIONS. EXTERNAL SVPS TO HAVE ACCESS FITTINGS FOR DIRECT RODDING ACCESS FROM THE STACK TO THE MAIN FOUL DRAINAGE LINE.
- FOUL SVPS TO DROP MINIMUM 450mm FROM FFL BEFORE SLOW RADIUS BEND, GRADIENT FROM BASE OF BEND TO EXTERNAL DRAINAGE TO BE 1:40.
- SVF AND RWP LOCATIONS SHOWN INDICATIVELY BASED ON PDF LAYOUT 'L200357-101F'. DWG LAYOUT OF SVPS AND RWPS REQUIRED TO CORRECT COORDINATES FOR EXACT POSITIONS.

KEY:

- RED LINE BOUNDARY
- BLUE LINE BOUNDARY
- EXISTING SURFACE WATER SEWER
- EXISTING FOUL SEWER
- PROPOSED SURFACE WATER SEWER
- PROPOSED FOUL SEWER
- LINEAR DRAINAGE CHANNEL AND SUMP OUTLET (ACO M1000 OR SIMILAR)

NOTES:

- The topographical levels are accurate at the time of the survey. All levels and dimension are to be checked during the detailed design stage.
- Discharge to existing surface water system is restricted to 5.0 l/s for storm events up to the 100 year return period. No climate change allowances have been made as the proposed building is temporary and will be removed after 2 years.
- Attenuation for the proposed surface water system occurs within the sub-base of the permeable storage areas and within attenuation geo-cellular storage tanks.
- Surface water drainage strategy is indicative and subject to detailed design.

P01	22.12.20	FIRST DRAFT	SS
Rev	Date	Description	By
Amendments			
Project			
Trinity Academy, Barnsley			
Title			
FOUL AND SURFACE WATER DRAINAGE LAYOUT			
Client			
Department for Education			

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Drawing Status

PRELIMINARY

Designed by	DB	Checked by	MN	Project No	WIE17125
Drawn by	DB	Date	04/03/21	Computer File No	WIE17125-C-SA-02-002.dwg
Scales @ A1		1:500		work to figured dimensions only	
Publisher	Zone	Category	Number	Revision	

TRIN-WSE-TEMP-XX-DR-D-00005

P01

MANHOLE SCHEDULE						
MH Ref	Cover Level (m)	Invert Level (m)	Depth to Invert	Pipe Size (mm)	MH Type	MH Diameter
SURFACE WATER						
S1	148.00	144.58	3.42	225	Type 1 (Catch Pit)	1200mm
S2	146.85	144.24	2.61	300	Type 2 (Catch Pit)	1200mm
RE1	148.00	147.40	0.60	150	Rodding Eye	150mm
S3	146.61	143.01	3.60	300	Type 1 (Catch Pit)	1200mm
RE2	148.10	147.50	0.60	150	Rodding Eye	150mm
S4	147.13	143.79	3.34	300	Type 1 (Catch Pit)	1200mm
S5	149.12	147.75	1.37	150	Type 2 (Catch Pit)	1200mm
S6	148.60	147.25	1.35	150	Type 2 (Catch Pit)	1200mm
S7	148.80	146.82	1.98	225	Type 2 (Catch Pit)	1200mm
S8	147.77	146.32	1.45	300	Type 2 (Catch Pit)	1200mm
S9	146.93	143.53	3.40	375	Type 2 (Catch Pit)	1200mm
S10	146.73	142.36	4.37	150	HYDROBRAKE	1500mm
FOUL WATER						
F1	148.00	147.20	0.80	150	Type 3	450mm
F2	146.70	145.80	0.90	150	Type 3	450mm
F3	148.10	147.30	0.80	150	Type 3	450mm
F4	147.20	145.49	1.71	150	Type 3	450mm
F5	146.90	142.70	4.20	150	Type 1	1200mm
F6	144.10	142.40	1.70	150	Type 2	1200mm
F7	142.75	141.35	1.40	150	Type 2	1200mm

Catch pit manholes to have 300mm deep sump below outgoing invert. All pipe bedding to be Class S - Granular Bed and Surround

A1-Wat-S, x-cov, x-OS, x-proposed_layout_temp_building