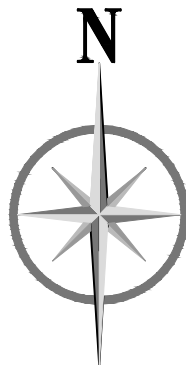
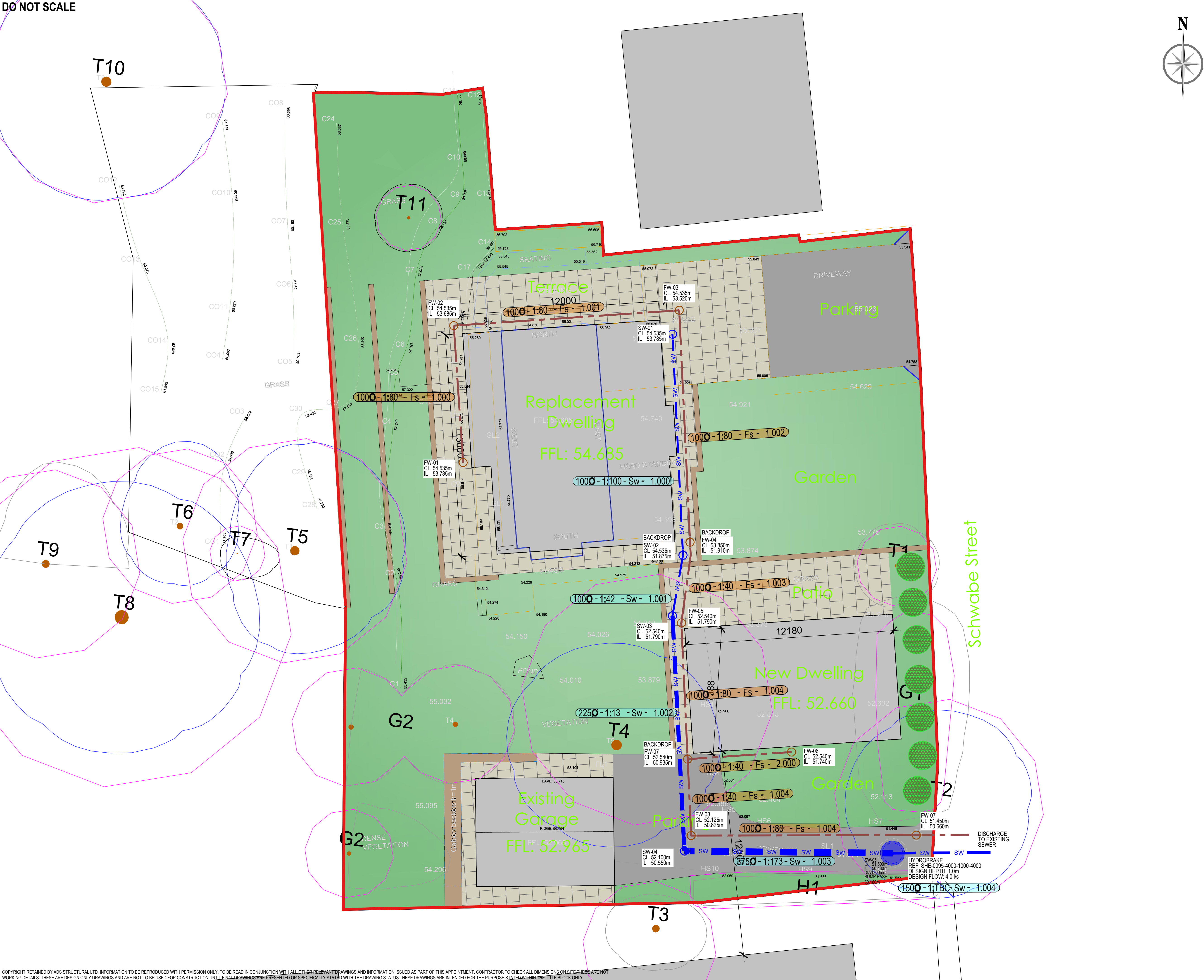


DO NOT SCALE



NOTES

CDM REGULATIONS 2015

IN LINE WITH THE ABOVE REGULATIONS WE ARE OBLIGED TO INFORM THE CONTRACTORS OF THE RISKS THAT MAY BE ENCOUNTERED IN THE CONSTRUCTION OF THESE WORKS. ALL DESIGN WORK HAS BEEN CARRIED OUT WITH HEALTH & SAFETY ASPECTS GIVEN FULL CONSIDERATION. WHEREVER POSSIBLE RISKS HAVE BEEN ELIMINATED FROM THE DESIGN. HOWEVER DUE TO THE VERY NATURE OF THIS TYPE OF WORK IT IS NOT POSSIBLE TO REMOVE ALL RISKS FROM THE DESIGN. WE WOULD ALSO REQUEST THAT THE CONTRACTOR REMINDS HIS OBLIGATIONS TO TAKE ALL REASONABLE STEPS ENSURING THAT ONLY COMPETENT WORKERS WHO HAVE A VALID SAFETY POLICY ARE EMPLOYED.

THEY SHOULD ALSO PROVIDE SATISFACTORY RESPONSES AT TENDER STAGE AS TO THE MANNER IN WHICH THEY DEAL WITH THE ELEMENTS OF RISK INVOLVED IN THIS TYPE OF WORK AND IN PARTICULAR THOSE HIGHLIGHTED BY ADS STRUCTURAL LIMITED BELOW.

- SUPPORT/ TREATMENT FOR ALL EXCAVATION WORK.
- GUARDING TO EDGES OF EXCAVATIONS TO PREVENT PEOPLE, MATERIALS AND VEHICLES FALLING INTO EXCAVATIONS.
- GUARDING OF EXCAVATIONS OUTSIDE WORKING HOURS TO PREVENT UNAUTHORISED ACCESS.
- UNDERMINING TO ADJACENT ROADS OR STRUCTURES.
- CONFINED SPACE OPERATIONS.
- DEALING WITH EXISTING SERVICES.
- TRAFFIC MANAGEMENT ON EXISTING HIGHWAYS.
- PROCEDURE TO BE FOLLOWED IN EVENT OF AN ACCIDENT OR EMERGENCY.
- METHOD OF WORKING WHERE CONTAMINATED GROUND IS PRESENT ON SITE.
- CONFIRMATION WILL BE REQUIRED THAT ALL OPERATIVES ARE ADEQUATELY TRAINED AND COPIES OF RELEVANT CERTIFICATES TO BE SUPPLIED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE OVERALL STABILITY OF THE STRUCTURE FROM THE COMMENCEMENT OF WORKS INCLUDING THE DESIGN AND PROVISION OF ALL NECESSARY TEMPORARY WORKS.

THE ABOVE LIST IS BY NO MEANS EXHAUSTIVE BUT IT DOES HIGHLIGHT OPERATIONS THAT PRESENT A RISK TO CONTRACTORS AND THE GENERAL PUBLIC.

GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONNECTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE FROM THIS DRAWING. ALL SETTING OUT DIMENSIONS ARE TO BE CHECKED AND VERIFIED ON SITE PRIOR TO COMMENCEMENT OF ANY BUILDING WORKS & FABRICATION OF MATERIALS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER.
- ALL WORKMANSHIP AND MATERIALS ARE TO COMPLY WITH THE CURRENT BUILDING REGULATIONS, BRITISH STANDARDS AND CODES OF PRACTICE. ALL MATERIALS SHALL BE FIXED OR APPLIED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR IS TO TAKE INTO ACCOUNT EVERYTHING DEEMED NECESSARY FOR THE PROPER EXECUTION OF THE WORKS WHETHER INDICATED ON THE DRAWINGS OR NOT TO THE COMPLETE SATISFACTION OF THE LOCAL AUTHORITY.
- FOR FINAL SETTING OUT INFORMATION RELATING TO WALL POSITIONS REFER TO ARCHITECTS DRAWINGS.

DRAINAGE NOTES

- ALL DRAINAGE WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH ADS STRUCTURAL LTD DESIGN SPECIFICATIONS. ANY DEVIATIONS WILL NEED TO BE APPROVED BY THE DESIGN ENGINEER PRIOR TO WORKS.
- THE CONTRACTORS ARE TO CONFIRM FIRST ALL DIMENSIONS AND LEVELS PRIOR TO THE COMMENCEMENT OF ANY WORK. DISCREPANCIES MUST BE HIGHLIGHTED WITH THE DESIGN ENGINEER WHO IS TO ASSESS THE POTENTIAL IMPACT PRIOR TO FURTHER WORKS.
- ALL DRAINAGE IS TO CONFORM TO THE ASSOCIATED STANDARDS OF BOTH BS EN 7534 CODE OF PRACTICE FOR BUILDING DRAINAGE AND TO SEWERS FOR ADOPTION WHERE APPROPRIATE.
- THE CONTRACTOR IS TO PROVIDE PROTECTION TO ALL NEW AND EXISTING SERVICE PIPEWORK DURING THE CONSTRUCTION PHASE. A STATEMENT OF PROPOSED MEASURES TO BE PROVIDED TO THE DESIGN ENGINEER PRIOR TO THE COMMENCEMENT OF WORKS.
- ALL PIPES WITHIN TRAFFICKED AREAS TO HAVE A MINIMUM OF 900mm COVER UNLESS OTHERWISE STATED. WHERE THESE DO NOT CONFORM TO THIS STANDARD A MINIMUM OF 150mm SURROUND CONCRETE USING C20/20 AS PROTECTION. FLEXIBILITY OF PIPES EITHER SIDE OF THE PROTECTION MUST BE UTILISED.
- PIPE TRENCHES ARE TO HAVE ALL SOFT SPOTS FILLED WITH APPROVED GRANULAR FILL. HARD SPOTS ARE TO BE BROKEN DOWN. THE CONTRACTOR TO ENSURE ALL TRENCHES OFFER ADEQUATE PROTECTION FOR SAFE WORKING.
- TRENCHES ARE TO BE BACKFILLED WITH EITHER GRANULAR FILL OR TYPE 'B' SELECTED MATERIAL FROM EXISTING SITE. ANY TRENCH WITHIN 1M OF A LOAD BEARING STRUCTURE TO BE BACKFILLED WITH CONCRETE UP TO THE UNDERSIDE OF THE STRUCTURE.
- ALL ACCESS COVERS MUST CONFORM TO BS EN 124 PART 1.
- RWP'S DISCHARGING TO A COMBINED SEWER MUST BE INSTALLED WITH TRAPPED BACK INLET GULLY.
- ALL COVER LEVELS ARE APPROXIMATE AND ARE TO BE SET IN ACCORDANCE TO FINISHED LEVELS.

LEGEND

	MANHOLE
	INSPECTION CHAMBER
	ROAD GULLY
	RAIN WATER PIPE
	SLOT DRAIN
	ACO CHANNEL DRAIN
	BACKDROP PIPE
	SURFACE WATER PIPE
	FOUL WATER PIPE
	COMBINED SEWER
	EXISTING SURFACE WATER
	EXISTING FOUL WATER
	FLOW DIRECTION
	CONCRETE SURROUND PIPES
	EXISTING CULVERT

MODULAR CELL ATTENUATION TANK

- INSTALLATION OF TANK UNITS ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION AND CONSTRUCTION GUIDE.
- TANKS ARE TO BE FULLY ENCAPSULATED WITH 1mm THICK IMPERMEABLE MEMBRANE. UNITS ARE TO BE SECURED TOGETHER FOLLOWING MANUFACTURERS INSTALLATION SPECIFICATIONS.
- VENTILATION PIPES ARE TO BE INSTALLED WHERE POSSIBLE WITHIN SOFT LANDSCAPED AREAS AND ARE TO BE SITUATED AWAY FROM BUILDINGS. NUMBERS AND LOCAL ARE TO BE AGREED.
- TANK ACCESS POINTS TO BE INSTALLED IN ACCORDANCE TO THE INSTALLATION GUIDE. NUMBERS AND LOCATIONS TO BE AGREED.
- IF LEVELS ALARMS ARE REQUIRED THEN DUCTING MUST BE PROVIDED AS WELL AS CONCRETE PLINTH IF CONTROL UNIT TO BE INSTALLED.

1m 0m 2m 4m 6m
Scale 1:100

P2	28.08.24	ADJUSTED AS PER COMMENTS	SJ	SH	ADS
P1	21.08.24	FIRST ISSUE	SJ	SH	ADS
REV	DATE	REVISION DETAILS	DRN	CHK	APP

CLIENT

LOWTON DEVELOPMENTS

PROJECT:

RESIDENTIAL DEVELOPMENT

SCHWABE ST, MIDDLETON

DRAWING TITLE:

DRAINAGE STRATEGY

DRAWING STATUS:

PRELIMINARY

A1

107 Mere Grange
Business Park, Leaside, St
Helens, WA9 5GG
Tel: 0151 541 4000
info@adsstructural.co.uk

SCALE	PROJECT - ORIGINATOR - ZONE - LEVEL - TYPE - ROLE - NUMBER	REV
1:100	XXXX-ADS-XX-00-DR-C-500	P2