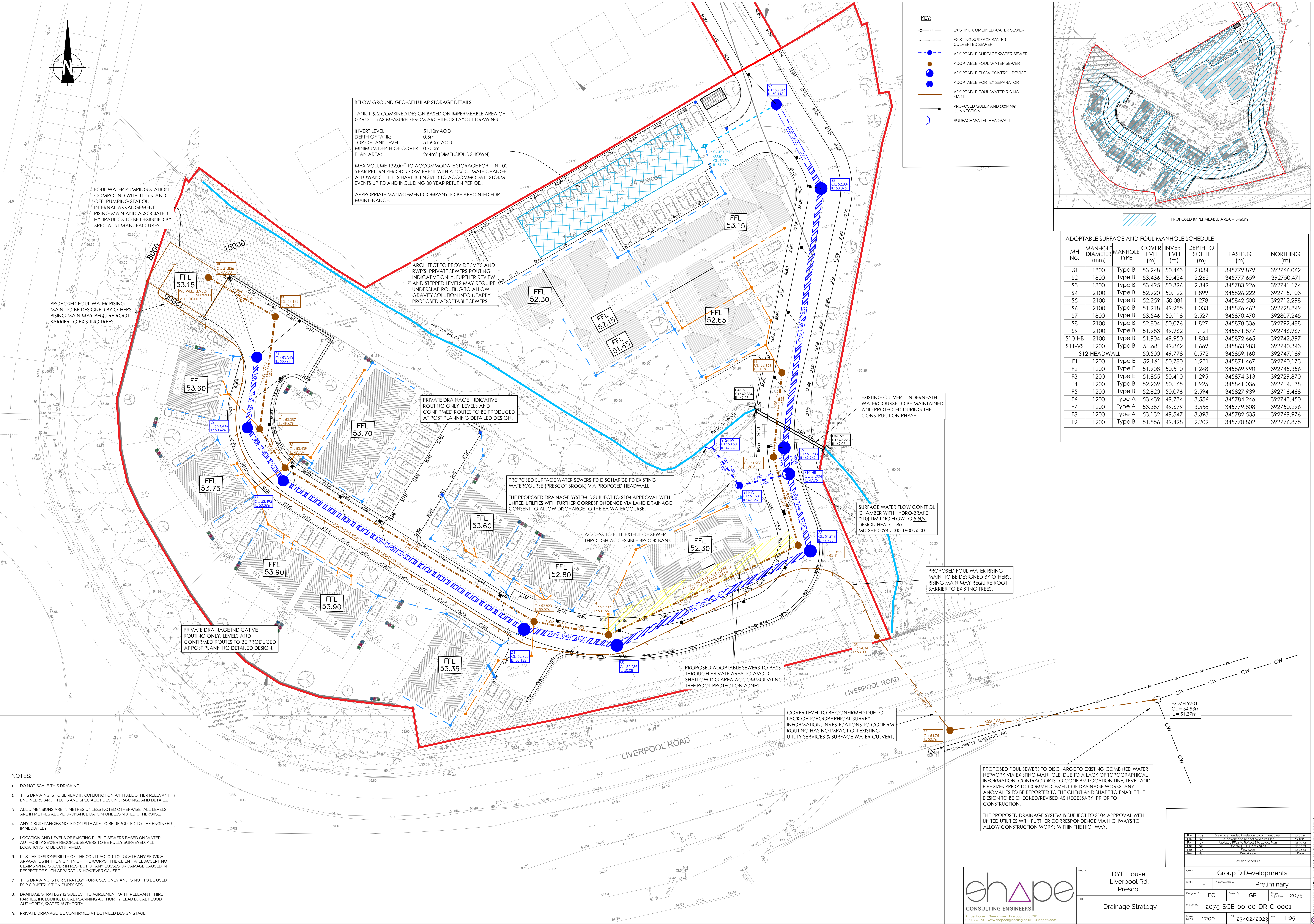




BELOW GROUND GEO-CELLULAR STORAGE DETAILS

TANK 1 & 2 COMBINED DESIGN BASED ON IMPERMEABLE AREA OF 0.4643ha (AS MEASURED FROM ARCHITECTS LAYOUT DRAWING).

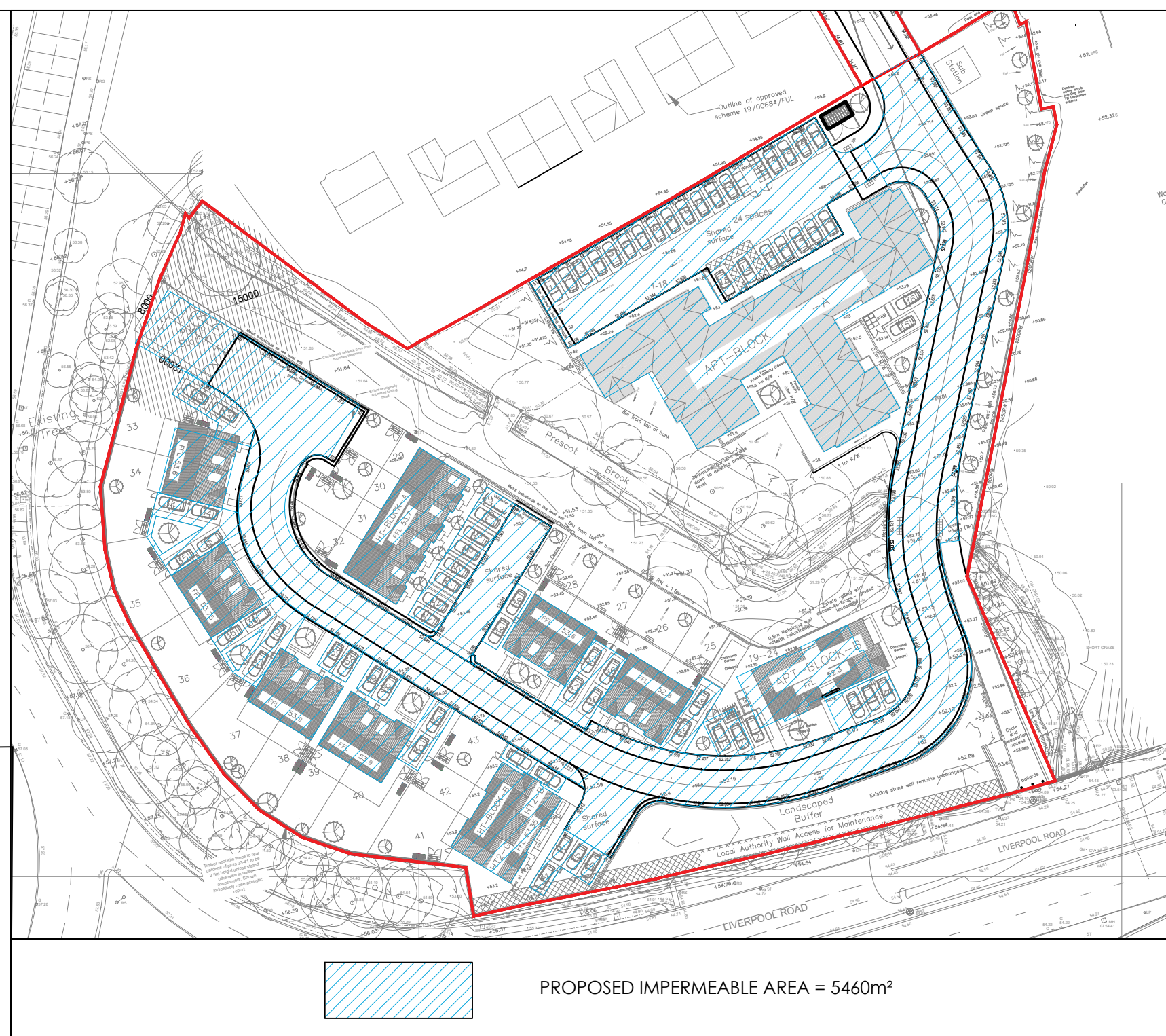
INVERT LEVEL: 51.10mAOD
DEPTH OF TANK: 0.5m
TOP OF TANK LEVEL: 51.60m AOD
MINIMUM DEPTH OF COVER: 0.750m
PLAN AREA: 264m² (DIMENSIONS SHOWN)

MAX VOLUME 132.0m³ TO ACCOMMODATE STORAGE FOR 1 IN 100 YEAR RETURN PERIOD STORM EVENT WITH A 40% CLIMATE CHANGE ALLOWANCE. PIPES HAVE BEEN SIZED TO ACCOMMODATE STORM EVENTS UP TO AND INCLUDING 30 YEAR RETURN PERIOD.

APPROPRIATE MANAGEMENT COMPANY TO BE APPOINTED FOR MAINTENANCE.

KEY

- EXISTING COMBINED WATER SEWER
- EXISTING SURFACE WATER CULVERTED SEWER
- ADOPTABLE SURFACE WATER SEWER
- ADOPTABLE FOUL WATER SEWER
- ADOPTABLE FLOW CONTROL DEVICE
- ADOPTABLE VORTEX SEPARATOR
- ADOPTABLE FOUL WATER RISING MAIN
- PROPOSED GULLY AND 150mmØ CONNECTION
- SURFACE WATER HEADWALL



ADOPTABLE SURFACE AND FOUL MANHOLE SCHEDULE							
MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
S1	1800	Type B	53.248	50.463	2.034	345779.879	392766.062
S2	1800	Type B	53.436	50.424	2.262	345777.659	392750.471
S3	1800	Type B	53.495	50.396	2.349	345783.926	392741.174
S4	2100	Type B	52.920	50.122	1.899	345826.222	392715.103
S5	2100	Type B	52.259	50.081	1.278	345842.500	392712.298
S6	2100	Type B	51.918	49.985	1.033	345876.462	392728.849
S7	1800	Type B	53.546	50.118	2.527	345870.470	392807.245
S8	2100	Type B	52.804	50.076	1.827	345878.336	392792.488
S9	2100	Type B	51.983	49.962	1.121	345871.877	392746.967
S10-HB	2100	Type B	51.904	49.950	1.804	345872.665	392742.397
S11-VS	1200	Type B	51.681	49.862	1.669	345863.983	392740.343
S12-HEADWALL			50.500	49.778	0.572	345859.160	392747.189
F1	1200	Type E	52.161	50.780	1.231	345871.467	392760.173
F2	1200	Type E	51.908	50.510	1.248	345869.990	392745.356
F3	1200	Type E	51.855	50.410	1.295	345874.313	392729.870
F4	1200	Type B	52.239	50.165	1.925	345841.036	392714.138
F5	1200	Type B	52.820	50.076	2.594	345827.939	392716.468
F6	1200	Type A	53.439	49.734	3.556	345784.246	392743.450
F7	1200	Type A	53.387	49.679	3.558	345779.808	392750.296
F8	1200	Type A	53.132	49.547	3.393	345782.535	392769.976
F9	1200	Type B	51.856	49.498	2.209	345770.802	392776.875

- NOTES**
- DO NOT SCALE THIS DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS, ARCHITECTS AND SPECIALIST DESIGN DRAWINGS AND DETAILS.
 - ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM UNLESS NOTED OTHERWISE.
 - ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
 - LOCATION AND LEVELS OF EXISTING PUBLIC SEWERS BASED ON WATER AUTHORITY SEWER RECORDS. SEWERS TO BE FULLY SURVEYED. ALL LOCATIONS TO BE CONFIRMED.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY SERVICE APPARATUS IN THE VICINITY OF THE WORKS. THE CLIENT WILL ACCEPT NO CLAIMS WHATSOEVER IN RESPECT OF ANY LOSSES OR DAMAGE CAUSED IN RESPECT OF SUCH APPARATUS, HOWEVER CAUSED.
 - THIS DRAWING IS FOR STRATEGY PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 - DRAINAGE STRATEGY IS SUBJECT TO AGREEMENT WITH RELEVANT THIRD PARTIES, INCLUDING LOCAL PLANNING AUTHORITY, LEAD LOCAL FLOOD AUTHORITY, WATER AUTHORITY.
 - PRIVATE DRAINAGE BE CONFIRMED AT DETAILED DESIGN STAGE.

Amber House Green Lane Liverpool L13 7SD
0151 385 0700 www.ehapingeering.co.uk @ehapeeng

PROJECT DYE House, Liverpool Rd, Prescott

TITLE Drainage Strategy

Client Group D Developments

Status Purpose of Issue Preliminary

Designed By EC Drawn By GP

Project No. 2075-SCE-00-00-DR-C-0001

Scale 1:200 DATE 23/02/2023 Rev P05

Revision Schedule

Rev	By	Date	Description
01	EC	23/02/2023	Initial Issue
02	GP	23/02/2023	Final Issue