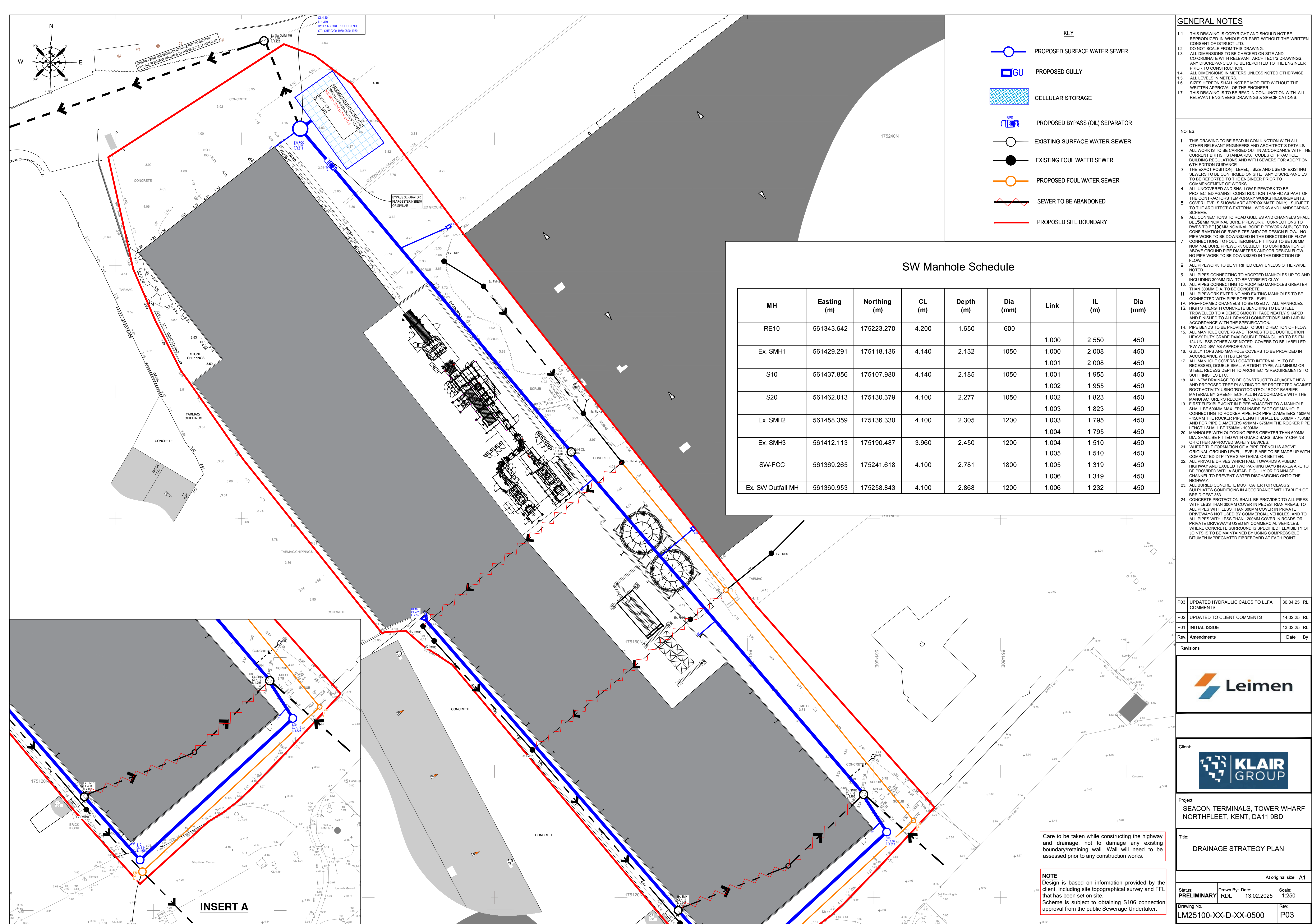




- KEY**
- PROPOSED SURFACE WATER SEWER
 - PROPOSED GULLY
 - CELLULAR STORAGE
 - PROPOSED BYPASS (OIL) SEPARATOR
 - EXISTING SURFACE WATER SEWER
 - EXISTING FOUL WATER SEWER
 - PROPOSED FOUL WATER SEWER
 - SEWER TO BE ABANDONED
 - PROPOSED SITE BOUNDARY

SW Manhole Schedule

MH	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Link	IL (m)	Dia (mm)
RE10	561343.642	175223.270	4.200	1.650	600	1.000	2.550	450
Ex. SMH1	561429.291	175118.136	4.140	2.132	1050	1.000	2.008	450
S10	561437.856	175107.980	4.140	2.185	1050	1.001	1.955	450
S20	561462.013	175130.379	4.100	2.277	1050	1.002	1.823	450
Ex. SMH2	561458.359	175136.330	4.100	2.305	1200	1.003	1.795	450
Ex. SMH3	561412.113	175190.487	3.960	2.450	1200	1.004	1.510	450
SW-FCC	561369.265	175241.618	4.100	2.781	1800	1.005	1.319	450
Ex. SW Outfall MH	561360.953	175258.843	4.100	2.868	1200	1.006	1.232	450

GENERAL NOTES

- THIS DRAWING IS COPYRIGHT AND SHOULD NOT BE REPRODUCED IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF ISTRUCK LTD.
- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS TO BE CHECKED ON SITE AND CO-ORDINATE WITH RELEVANT ARCHITECT'S DRAWINGS. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- ALL DIMENSIONS IN METERS UNLESS NOTED OTHERWISE.
- ALL LEVELS IN METERS.
- SIZES HEREON SHALL NOT BE MODIFIED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS & SPECIFICATIONS.

NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECT'S DETAILS.
- ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT BRITISH STANDARDS, CODES OF PRACTICE, BUILDING REGULATIONS AND WITH SEWERS FOR ADOPTION 6TH EDITION GUIDANCE.
- THE EXACT POSITION, LEVEL, SIZE AND USE OF EXISTING SEWERS TO BE CONFIRMED ON SITE. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORKS.
- ALL UNCOVERED AND SHALLOW PIPEWORK TO BE PROTECTED AGAINST CONSTRUCTION TRAFFIC AS PART OF THE CONTRACTORS TEMPORARY WORKS REQUIREMENTS. COVER LEVELS SHOWN ARE APPROXIMATE ONLY. SUBJECT TO THE ARCHITECT'S EXTERNAL WORKS AND LANDSCAPING SCHEME.
- ALL CONNECTIONS TO ROAD GULLIES AND CHANNELS SHALL BE 150MM NOMINAL BORE PIPEWORK. CONNECTIONS TO RWPS TO BE 100MM NOMINAL BORE PIPEWORK SUBJECT TO CONFIRMATION OF RWP SIZES AND/OR DESIGN FLOW. NO PIPE WORK TO BE DOWNSIZED IN THE DIRECTION OF FLOW. CONNECTIONS TO FOUL TERMINAL FITTINGS TO BE 100MM NOMINAL BORE PIPEWORK SUBJECT TO CONFIRMATION OF ABOVE GROUND PIPE DIAMETERS AND/OR DESIGN FLOW. NO PIPE WORK TO BE DOWNSIZED IN THE DIRECTION OF FLOW.
- ALL PIPEWORK TO BE VITRIFIED CLAY UNLESS OTHERWISE NOTED.
- ALL PIPES CONNECTING TO ADOPTED MANHOLES UP TO AND INCLUDING 300MM DIA. TO BE VITRIFIED CLAY.
- ALL PIPES CONNECTING TO ADOPTED MANHOLES GREATER THAN 300MM DIA. TO BE CONCRETE.
- ALL PIPEWORK ENTERING AND EXITING MANHOLES TO BE CONNECTED WITH PIPE SOFFITS LEVEL.
- PRE-FORMED CHANNELS TO BE USED AT ALL MANHOLES.
- HIGH STRENGTH CONCRETE BENCHING TO BE STEEL TROWELLED TO A DENSE SMOOTH FACE NEATLY SHAPED AND FINISHED TO ALL BRANCH CONNECTIONS AND LAID IN ACCORDANCE WITH THE SPECIFICATION.
- PIPE BENDS TO BE PROVIDED TO SUIT DIRECTION OF FLOW.
- ALL MANHOLE COVERS AND FRAMES TO BE DUCTILE IRON HEAVY DUTY GRADE D400 DOUBLE TRIANGULAR TO BS EN 124 UNLESS OTHERWISE NOTED. COVERS TO BE LABELLED 'FW' AND 'SW' AS APPROPRIATE.
- GULLY TOPS AND MANHOLE COVERS TO BE PROVIDED IN ACCORDANCE WITH BS EN 124.
- ALL MANHOLE COVERS LOCATED INTERNALLY, TO BE RECESSED, DOUBLE SEAL, AIRTIGHT TYPE, ALUMINIUM OR STEEL, RECESS DEPTH TO ARCHITECT'S REQUIREMENTS TO SUIT FINISHES ETC.
- ALL NEW DRAINAGE TO BE CONSTRUCTED ADJACENT NEW AND PROPOSED TREE PLANTING TO BE PROTECTED AGAINST ROOT ACTIVITY USING ROOT CONTROL, ROOT BARRIER MATERIAL BY GREEN-TECH, ALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- FIRST FLEXIBLE JOINT IN PIPES ADJACENT TO A MANHOLE SHALL BE 600MM MAX. FROM INSIDE FACE OF MANHOLE. CONNECTING TO ROCKER PIPE, FOR PIPE DIAMETERS 150MM - 450MM THE ROCKER PIPE LENGTH SHALL BE 500MM - 750MM AND FOR PIPE DIAMETERS 451MM - 675MM THE ROCKER PIPE LENGTH SHALL BE 750MM - 1000MM.
- MANHOLES WITH OUTGOING PIPES GREATER THAN 600MM DIA. SHALL BE FITTED WITH GUARD BARS, SAFETY CHAINS OR OTHER APPROVED SAFETY DEVICES.
- WHERE THE FORMATION OF A PIPE TRENCH IS ABOVE ORIGINAL GROUND LEVEL, LEVELS ARE TO BE MADE UP WITH COMPACTED DTP TYPE 2 MATERIAL OR BETTER.
- ALL PRIVATE DRIVES WHICH FALL TOWARDS A PUBLIC HIGHWAY AND EXCEED TWO PARKING BAYS IN AREA ARE TO BE PROVIDED WITH A SUITABLE GULLY OR DRAINAGE CHANNEL TO PREVENT WATER DISCHARGING ONTO THE HIGHWAY.
- ALL BURIED CONCRETE MUST CATER FOR CLASS 2 SULPHATES CONDITIONS IN ACCORDANCE WITH TABLE 1 OF BRE DIGEST 363.
- CONCRETE PROTECTION SHALL BE PROVIDED TO ALL PIPES WITH LESS THAN 300MM COVER IN PEDESTRIAN AREAS, TO ALL PIPES WITH LESS THAN 600MM COVER IN PRIVATE DRIVEWAYS NOT USED BY COMMERCIAL VEHICLES, AND TO ALL PIPES WITH LESS THAN 1200MM COVER IN ROADS OR PRIVATE DRIVEWAYS USED BY COMMERCIAL VEHICLES. WHERE CONCRETE SURROUND IS SPECIFIED FLEXIBILITY OF JOINTS IS TO BE MAINTAINED BY USING COMPRESSIBLE BITUMEN IMPREGNATED FIBREBOARD AT EACH POINT.

P03	UPDATED HYDRAULIC CALCS TO LLFA COMMENTS	30.04.25	RL
P02	UPDATED TO CLIENT COMMENTS	14.02.25	RL
P01	INITIAL ISSUE	13.02.25	RL
Rev.	Amendments	Date	By

Revisions

Client:

Project:

SEACON TERMINALS, TOWER WHARF NORTHFLEET, KENT, DA11 9BD

Title:

DRAINAGE STRATEGY PLAN

At original size A1

Status:	Drawn By:	Date:	Scale:
PRELIMINARY	RDL	13.02.2025	1:250
Drawing No.:	Rev:		
LM25100-XX-D-XX-0500	P03		

Care to be taken while constructing the highway and drainage, not to damage any existing boundary/retaining wall. Wall will need to be assessed prior to any construction works.

NOTE
Design is based on information provided by the client, including site topographical survey and FFL that has been set on site.
Scheme is subject to obtaining S106 connection approval from the public Sewerage Undertaker.