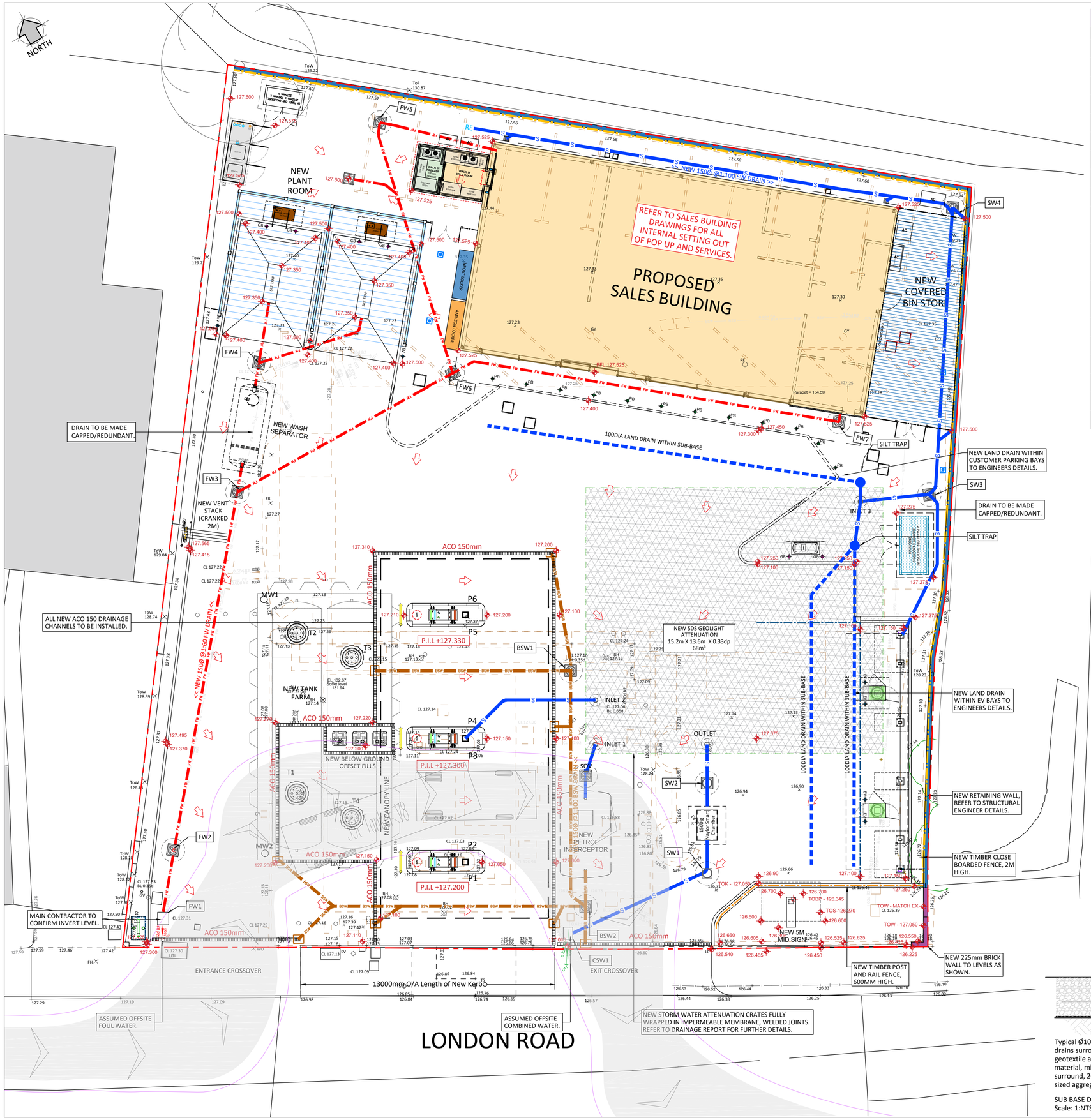

DRAINAGE & MANHOLE SCHEDULE

MANHOLE ID	COVER LEVEL	INVERT LEVEL	DEPTH	COMMENT
BSW1	127.150	126.482	0.67	New Concrete manhole with new heavy duty cover and frame.
BSW2	127.200	126.314	0.89	New Concrete manhole with new heavy duty cover and frame.
PETROL SEPARATOR	127.200	IN - 126.388 OUT - 126.338	####	New 10,000L Petrol Interceptor with new heavy duty cover and frame.
FW1	127.31	126.19	1.12	Existing manhole retained, new heavy duty cover and frame to be installed.
FW2 (6" - 4")	127.340	126.450	0.89	New Concrete manhole with new heavy duty cover and frame.
FW3	127.270	126.580	0.69	New Concrete manhole with new heavy duty cover and frame.
WASH SEPARATOR	127.200	IN -126.680 OUT - 126.630	####	New Conder 6000L CSW6 / 12 with new heavy duty cover and frame.
FW4	127.26	126.740	0.52	New Concrete manhole with new heavy duty cover and frame.
FW5	127.550	127.000	0.55	New Concrete manhole with new light duty cover and frame.
FW6	127.550	126.80	0.75	New Concrete manhole with new light duty cover and frame.
FW7	127.55	127.00	0.55	New Concrete manhole with new light duty cover and frame.
CSW1	127.000	126.020	0.98	New Concrete manhole with new heavy duty cover and frame.
SW1	127.050	126.100	0.95	New Concrete manhole with new heavy duty cover and frame.
SMART CHAMBER	127.050	126.140	0.91	New Concrete manhole with new heavy duty cover and frame.
SW2	127.050	126.120	0.93	New Concrete manhole with new heavy duty cover and frame.
SW3	127.250	126.160	1.09	New Concrete manhole with new light duty cover and frame.
SW4	127.500	126.180	1.32	New Concrete manhole with new light duty cover and frame.
SHUT OFF VALVE	127.100	126.110	0.99	New Concrete manhole with new heavy duty cover and frame.
PETROL INTERCEPTOR	127.000	IN - 126.160 OUT - 126.210	####	New Concrete manhole with new heavy duty cover and frame.
BSW1	127.050	126.260	0.79	New Concrete manhole with new heavy duty cover and frame.
BSW2	127.100	126.380	0.72	New geolight attenuation crates to be installed.

NOTE:

Contractor to refer to Hydro International Stormbloc installation details and requirements.

HYDRO INTERNATIONAL STORMBLOC ATTENUATION SYSTEM DETAILS

		Level
Top of Crate Level		126.290
Crate Base Level		125.960
Inlet 1 Invert		126.060
Inlet 2 Invert		126.060
Inlet 3 Invert		126.060
Outlet Invert		126.190
Minimum Ground Cover	660mm	
Area Cover	785mm	
Storage Volume	68m³	
Crate Dimension	15.2m x 13.6m x 0.33m	

DRAWING NOTES

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This drawing has been produced for the project listed below, is submitted in support of this to the Local Planning Authority and is not intended for use by any other person or for any other purpose.

Every effort has been made to ensure the accuracy of these drawings, however MBH Design Studio Ltd. accept no responsibility for any discrepancies arising from the reuse of survey information and preliminary drawings commissioned by the Applicant from others.

GENERAL NOTES

All drainage works to be undertaken and installed in accordance with Motor Fuel Group standard details.

1. CCTV DRAINAGE SURVEY
   Full CCTV Drainage Survey to be undertaken with Main Contractor in attendance and all information to be passed to MBH PM).

2. EXISTING DRAINAGE
   Prior to commencement of works, Main Contractor to check inverts and positions of existing drains, sewers, inspection chambers and manholes against information shown on drawings and report any discrepancies to MBH PM.
   Any Existing Manholes and Inspection chambers retained and protected throughout the course of the works to be cleaned upon completion and confirmation on no blockages. All existing manhole are to have new cover and frame, subject to resurfacing works. Existing manhole covers are to be adjusted to suit new levels where required with a 300mm concrete margin.
   All Chambers within LTA to have sealed covers and frames.

3. PROPOSED DRAINAGE
   All proposed drainage to be installed in accordance to Motor Fuel Group standard drawings, latest issue as well as Local Authority Regulations.
   All drainage works to comply with CP301.
   All drainage to be 100 or 150mm dia. Wavin Plastics OSMA Drain or equivalent encased in min. 150mm granular material in accordance with the recommendations of BS5955 Part 6 1980 appendix system. All brown surface water drains to receive nitrile rubber gaskets.

   All new drainage to be laid at min. Falls as follows:

   FOUL 100Ø - 1:40 / 150Ø - 1:60
   SURFACE WATER / COMBINED - 100Ø - 1:60 / 150Ø - 1:100
   JET WASH FW WATER - 1/100

   Accurate As Built information to be recorded and photographed for inclusion within H&S folder.
   All ACO Channel to have metal intercepted gratings with heel protection laid with 300mm concrete margins with expansion joints at 3m lengths, sumps to be located at 10m intervals (maximum).

4. CLASS 1 PETROL INTERCEPTOR

   New Petrol Interceptor to be installed.

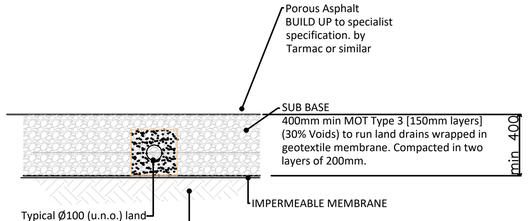
DRAINAGE LEGEND

- S — Existing Rainwater Water Drain
- BSW — Existing Brown Water Drain
- FW — Existing Foul Water Drain
- C — Existing Combined Water Drain
- S — New Rainwater Water Drain New
- BSW — Interceptor Brown Water Drain
- FW — New Foul Water Drain
- C — New Combined Water Drain
- Capped Drain
- End of Trace
- New Perforated Drain New

- Drain direction / diameter marked on plan
- Existing retained drainage in black line type

THIS DRAWING IS BASED ON GEOTECHNICAL ENGINEERING LTD. DRG. NO. 37147. DATED JUNE 2022

0 5 10
SCALE - METRES -1:100



SUB BASE DETAIL
Scale: 1:NTS

REV	DATE	DESCRIPTION	DRAWN/CHECKED
C	06.06.2024	SITE UPDATED	WG/JR
B	11.03.2024	DRAINAGE UPDATED	WG/JR
A	2024.02.06	UPDATED AS PER COMMENTS	WG/JR

REVISION NOTES

RECORD

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CLIENT
mfg motor fuel group

PROJECT
FS013, EAST GRINSTEAD
147-149 LONDON ROAD,
EAST GRINSTEAD, WEST SUSSEX,
RH19 1ET

DRAWING TITLE
DRAINAGE & LEVELS

DRAWN BY	DATE	SCALE	PAPER SIZE
DT	27.08.2024	1:100	A1
CHECKED BY	DRAWING NUMBER		REV.
JR	13755-403		