SCALE IN METRES
0 5 10 20 50

BENCH MARK INFORMATION

All levels relate to O.S (Newlyn) Datum, Established using network RTK. Survey plotted on a plane local grid, orientated to National Grid.

PROPOSED SURFACE WATER SYSTEM DESIGNED TO CATER FOR EVENTS UP TO AND INCLUDING THE 1%AEP + 45%CC WITH NO PREDICTED SURFACE FLOODING.
TOTAL AGREED SURFACE WATER DISCHARGE RATE FOR FULL DEVELOPMENT IS TO BE RESTRICTED TO 75.0 L/SEC. THIS IS TO BE SPLIT OVER FOUR SEPARATE OUTFALL LOCATION BY WAY OF HYDROBRAKE FLOW CONTROL DEVICE.

THE OFF SITE SEWER CONNECTION(S) HAVE BEEN DESIGNED TO TIE IN WITH THE EXISTING SEWERS AND WHILST IT IS ANTICIPATED NO CLASHES WITH EXISTING SERVICES WILL OCCUR, DUE TO THE INHERENT INACCURACIES IN DEPTHS OF EXISTING SERVICES THIS CANNOT BE GUARANTEED

REFA WOULD ADVISE THE CLIENT TO EMPLOY A SUITABLY EXPERIENCED COMPANY TO UNDERTAKE A SURVEY ALONG THE ROUTE OF THE CONNECTIONS TO ASCERTAIN THE EXISTENCE AND PROXIMITY OF ANY SERVICES AND ADVISE REFA OF ANY POTENTIAL CLASHES TO ASCERTAIN IF DESIGN CHANGES NEED BE MADE.

DUE TO THE NEED FOR OFF SITE SEWER WORKS IT IS STRONGLY ADVISED THAT THESE INVESTIGATIONS ARE UNDERTAKEN PRIOR TO ANY CONSTRUCTION ON SITE TO ALLOW DESIGN CHANGES TO BE MADE.

REFA WILL NOT BE HELD RESPONSIBLE FOR ANY ABORTIVE WORKS IF THIS PROCEDURE IS NOT FOLLOWED

EXISTING SERVICES CROSSING THE SITE - REFER TO UTILITIES SURVEY FOR TYPE AND POSITIONS

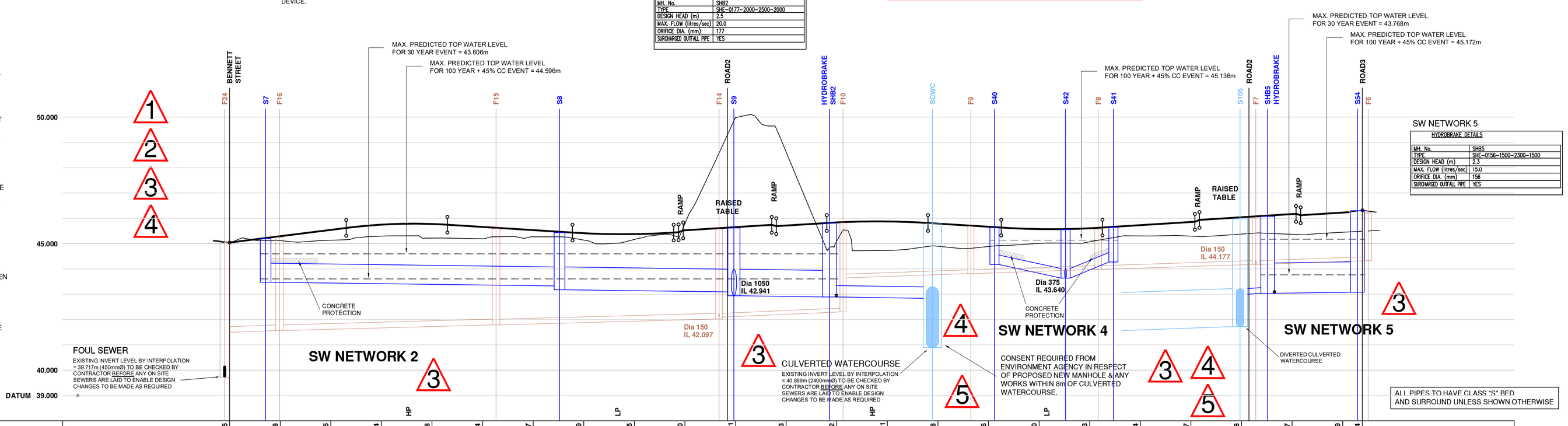
IF THE CLIENT OR CONTRACTOR IDENTIFIES ANY DISCREPANCIES BETWEEN THE DRAWINGS PRODUCED BY REFA FOR THIS PROJECT THEN THEY SHOULD CONTACT REFA IMMEDIATELY AND BEFORE ANY WORKS COMMENCE OR PROCEED IF IN DOUBT ASK !!!

SW NETWORK 2

HYDROBRAKE DETAILS	
MH. No.	SHB2
TYPE	SHE-0177-2000-2500-2000
DESIGN HEAD (m)	2.5
MAX. FLOW (litres/sec)	20.0
ORIFICE DIA. (mm)	177
SUBMERGED OUTFALL PIPE	YES

SW NETWORK 5

HYDROBRAKE DETAILS	
MH. No.	SHB5
TYPE	SHE-0156-1500-2300-1500
DESIGN HEAD (m)	2.3
MAX. FLOW (litres/sec)	15.0
ORIFICE DIA. (mm)	156
SUBMERGED OUTFALL PIPE	YES



ALL PIPES TO HAVE CLASS "S" BED AND SURROUND UNLESS SHOWN OTHERWISE

ROAD1

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