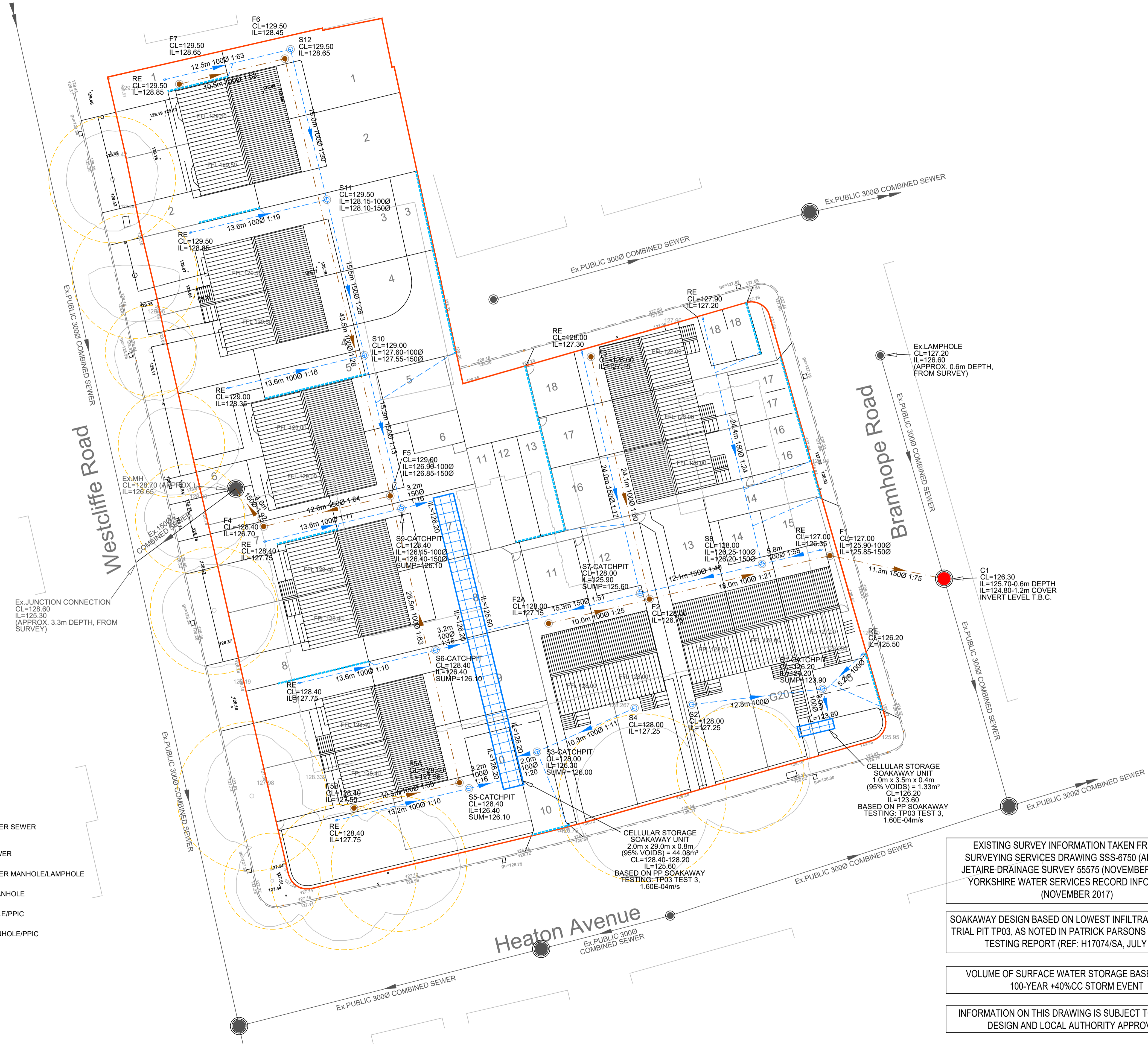


- GENERAL NOTES**
- THIS DRAWING IS COPYRIGHT AND SHOULD NOT BE REPRODUCED IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF PATRICK PARSONS LTD. DO NOT SCALE FROM THIS DRAWING.
 - LOCATIONS OF ALL EXISTING SERVICES ON-SITE TO BE CONFIRMED & PROVIDED TO THE ENGINEER PRIOR TO COMMENCEMENT OF WORKS.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT PATRICK PARSONS LTD DRAWINGS & SPECIFICATIONS.

- DRAINAGE NOTES**
- ALL BUILDING DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT BRITISH/EUROPEAN STANDARDS BESIDES THE CURRENT BUILDING REGULATIONS AND THE LOCAL AUTHORITY BUILDING CONTROL REQUIREMENTS.
 - ALL COVER LEVELS TO MANHOLES ARE APPROXIMATE ONLY AND MAY BE ADJUSTED ON SITE TO TIE IN WITH PROPOSED LEVELS.
 - DO NOT SCALE FROM THIS DRAWING.
 - INVERT LEVELS OF ALL OUTFALL POINTS TO BE CLARIFIED PRIOR TO COMMENCING DRAINAGE WORKS. POSITION SIZE AND DEPTH OF ALL EXISTING DRAINS AND SERVICES SHALL BE ESTABLISHED PRIOR TO COMMENCEMENT ON SITE AND ANY DISCREPANCIES REPORTED TO ENGINEER.
 - THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT, AND TEMPORARY AND PERMANENT DIVERSION WORKS, AS NECESSARY TO ALL EXISTING SERVICES.
 - THE CONTRACTOR SHALL ALLOW FOR KEEPING TRENCHES AND EXCAVATIONS AS DRY AS PRACTICABLE BY PUMPING FROM TEMPORARY SUMPS AND DEWATERING AS APPROPRIATE. THE POINT AND METHOD OF DISCHARGE TO BE AGREED WITH THE DRAINAGE AUTHORITY AND/OR ENVIRONMENT AGENCY.
 - THE CONTRACTOR SHALL ALLOW FOR A CCTV SURVEY PRIOR TO HANDOVER TO PROVE THE CONDITION AND CONNECTIVITY OF THE NEW DRAINAGE ON SITE.
 - ALL PIPES TO BE MIN. 1000 U.N.O.
 - MANHOLE COVERS TO BE TYPE B125 IN LANDSCAPE/PEDESTRIAN AREAS, TYPE D400 IN TRAFFICKED AREAS.
 - ALL PIPES TO BE INSTALLED SOFFITS LEVEL. PROPOSED DRAINAGE CONNECTIONS TO NEW BUILDINGS ARE INDICATIVE ONLY. FINAL LOCATIONS TO BE CONFIRMED BY OTHERS.
 - ANY REMEDIATION WORKS TO EXISTING DRAINAGE TO BE DETERMINED BY DRAINAGE SURVEY - TO BE NOTED IN DUE COURSE.
 - WHERE NEW CONNECTIONS ARE MADE TO EXISTING MANHOLES, CONTRACTOR TO ALLOW FOR POTENTIAL MANHOLE UPSIZING TO ALLOW FOR NEW CONNECTIONS.
 - ALL NEW DRAINAGE IS TO BE 'HEPWORTH SUPERSLEEVE' OR SIMILAR APPROVED FULLY VITRIFIED CLAYWARE, WITH FLEXIBLE JOINTS, OR PLASTIC PIPE MATERIAL (BSI KITEMARKED CERTIFIED TO WIS 4-35-01) LAID ON A GRANULAR BED WITH A GRANULAR SURROUND TO SUIT RELEVANT LOADING CONDITIONS, AS ENGINEERS DETAILS. DRAINS TO HAVE 150mm SITU CONCRETE PROTECTION WHERE TOP OF DRAINS ARE LESS THAN 1200mm BELOW GROUND LEVEL, INCLUDING 19mm FIBREBOARD MOVEMENT JOINT TO EVERY THIRD PIPE JOINT. DRAINS IN EXCESS OF 1200mm TO BE BEDDED AND ENCASED IN 150mm OF 8mm GRANULAR MATERIAL.
 - PROPOSED DRAINAGE DESIGNED TO ACCOMMODATE THE 1 IN 100-YEAR +40%CC STORM EVENT.



- LEGEND**
- EXISTING PUBLIC COMBINED WATER SEWER
 - PROPOSED FOUL WATER SEWER
 - PROPOSED SURFACE WATER SEWER
 - EXISTING PUBLIC COMBINED WATER MANHOLE/LAMPHOLE
 - PROPOSED COMBINED WATER MANHOLE
 - PROPOSED FOUL WATER MANHOLE/PPIC
 - PROPOSED SURFACE WATER MANHOLE/PPIC
 - CHANNEL DRAIN
 - SITE BOUNDARY
 - TREE ROOT PROTECTION ZONE

EXISTING SURVEY INFORMATION TAKEN FROM SITE SURVEYING SERVICES DRAWING SSS-6750 (APRIL 2016), JETAIRE DRAINAGE SURVEY 55575 (NOVEMBER 2017) AND YORKSHIRE WATER SERVICES RECORD INFORMATION (NOVEMBER 2017)

SOAKAWAY DESIGN BASED ON LOWEST INFILTRATION RATE AT TRIAL PIT TP03, AS NOTED IN PATRICK PARSONS INFILTRATION TESTING REPORT (REF: H17074/SA, JULY 2017)

VOLUME OF SURFACE WATER STORAGE BASED ON 1 IN 100-YEAR +40%CC STORM EVENT

INFORMATION ON THIS DRAWING IS SUBJECT TO DETAILED DESIGN AND LOCAL AUTHORITY APPROVALS

P1	INITIAL ISSUE	14.12.17	TB
Rev.	Amendments	Date	By



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Project
**HEATON AVENUE
CLECKHEATON**

Drawing
**PROPOSED DRAINAGE
STRATEGY**

Scales 1:200 At original size A1

Drawn TB	Checked
Date DEC 2017	

Status **PRELIMINARY**

Drawing No. **H17074-210** Rev. **P1**