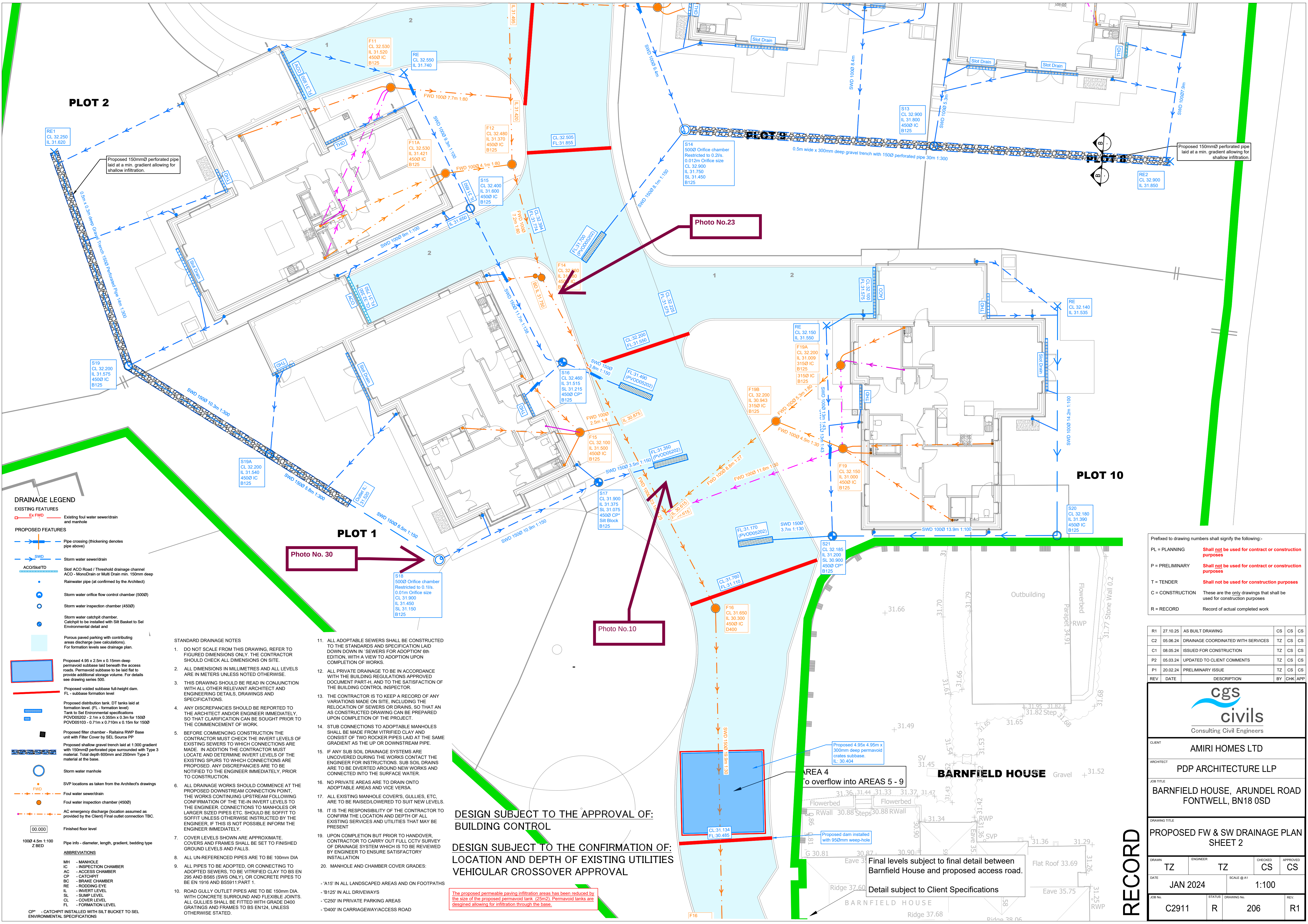




DRAINAGE LEGEND

EXISTING FEATURES

- Ex FWD - Existing foul water sewer/drain and manhole

PROPOSED FEATURES

- Pipe crossing (thickening denotes pipe above)
- SWD - Storm water sewer/drain
- ACO/Slot/DT - Slot/ ACO Road / Threshold drainage channel ACO - MonoDrain or Multi Drain min. 150mm deep Rainwater pipe (at confirmed by the Architect)
- Storm water orifice flow control chamber (5000)
- Storm water inspection chamber (4500)
- Storm water catchpit chamber. Catchpit to be installed with Silt Basket to Sel Environmental detail and
- Porous paved parking with contributing areas discharge (see calculations). For formation levels see drainage plan.
- Proposed 4.95 x 2.5m x 0.15m deep permavoid subbase laid beneath the access roads. Permavoid subbase to be laid flat to provide additional storage volume. For details see drawing series 500.
- Proposed voided subbase full-height dam. FL - subbase formation level
- Proposed distribution tank. DT tanks laid at formation level. (FL - formation level) Tank to Sel Environmental specifications PVD05002 - 2.1m x 0.35m x 0.3m for 1500 PVD05103 - 0.71m x 0.710m x 0.15m for 1500
- Proposed filter chamber - Raitaina RWP Base unit with Filter Cover by SEL Source PP
- Proposed shallow gravel trench laid at 1:300 gradient with 150mmØ perforated pipe surrounded with Type 3 material. Total depth 600mm and 250mm Type 3 material at the base
- Storm water manhole
- SVP locations as taken from the Architect's drawings
- Foul water sewer/drain
- Foul water inspection chamber (4500)
- AC emergency discharge (location assumed as provided by the Client) Final outlet connection TBC.
- Finished floor level
- 1000 4.5m 1:100 Z BED

ABBREVIATIONS

- MH - MANHOLE
- IC - INSPECTION CHAMBER
- AC - ACCESS CHAMBER
- CP - CATCHPIT
- BC - BRAKE CHAMBER
- RE - ROODING EYE
- IL - INVERT LEVEL
- SL - SUMP LEVEL
- CL - COVER LEVEL
- FL - FORMATION LEVEL
- CP* - CATCHPIT INSTALLED WITH SILT BUCKET TO SEL ENVIRONMENTAL SPECIFICATIONS

- STANDARD DRAINAGE NOTES**
- DO NOT SCALE FROM THIS DRAWING, REFER TO FIGURED DIMENSIONS ONLY. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE.
 - ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
 - ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY, SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
 - BEFORE COMMENCING CONSTRUCTION THE CONTRACTOR MUST CHECK THE INVERT LEVELS OF EXISTING SEWERS TO WHICH CONNECTIONS ARE MADE. IN ADDITION THE CONTRACTOR MUST LOCATE AND DETERMINE INVERT LEVELS OF THE EXISTING SPURS TO WHICH CONNECTIONS ARE PROPOSED. ANY DISCREPANCIES ARE TO BE NOTIFIED TO THE ENGINEER IMMEDIATELY, PRIOR TO CONSTRUCTION.
 - ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED DOWNSTREAM CONNECTION POINT. THE WORKS CONTINUING UPSTREAM FOLLOWING CONFIRMATION OF THE TIE-IN INVERT LEVELS TO THE ENGINEER. CONNECTIONS TO MANHOLES OR LARGER SIZED PIPES ETC. SHOULD BE SOFIT IT UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. IF THIS IS NOT POSSIBLE INFORM THE ENGINEER IMMEDIATELY.
 - COVER LEVELS SHOWN ARE APPROXIMATE. COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND FALLS.
 - ALL UN-REFERENCED PIPES ARE TO BE 100mm DIA
 - ALL PIPES TO BE ADOPTED, OR CONNECTING TO ADOPTED SEWERS, TO BE VITRIFIED CLAY TO BS EN 205 AND BS65 (SWS ONLY), OR CONCRETE PIPES TO BE EN 1916 AND BS5911-PART 1.
 - ROAD GULLY OUTLET PIPES ARE TO BE 150mm DIA. WITH CONCRETE SURROUND AND FLEXIBLE JOINTS. ALL GULLIES SHALL BE FITTED WITH GRADE D400 GRATINGS AND FRAMES TO BS EN124, UNLESS OTHERWISE STATED.

- ALL ADOPTABLE SEWERS SHALL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATION LAID DOWN DOWN IN 'SEWERS FOR ADOPTION' 8th EDITION, WITH A VIEW TO ADOPTION UPON COMPLETION OF WORKS.
- ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART-H, AND TO THE SATISFACTION OF THE BUILDING CONTROL INSPECTOR.
- THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE RELOCATION OF SEWERS OR DRAINS, SO THAT AN AS CONSTRUCTED DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
- STUB CONNECTIONS TO ADOPTABLE MANHOLES SHALL BE MADE FROM VITRIFIED CLAY AND CONSIST OF TWO ROCKER PIPES LAID AT THE SAME GRADIENT AS THE UP OR DOWNSTREAM PIPE.
- IF ANY SUB SOIL DRAINAGE SYSTEMS ARE UNCOVERED DURING THE WORKS CONTACT THE ENGINEER FOR INSTRUCTIONS. SUB SOIL DRAINS ARE TO BE DIVERTED AROUND NEW WORKS AND CONNECTED INTO THE SURFACE WATER.
- NO PRIVATE AREAS ARE TO DRAIN ONTO ADOPTABLE AREAS AND VICE VERSA.
- ALL EXISTING MANHOLE COVERS, GULLIES, ETC. ARE TO BE RAISED/LOWERED TO SUIT NEW LEVELS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION AND DEPTH OF ALL EXISTING SERVICES AND UTILITIES THAT MAY BE PRESENT
- UPON COMPLETION BUT PRIOR TO HANDOVER, CONTRACTOR TO CARRY OUT FULL CCTV SURVEY OF DRAINAGE SYSTEM WHICH IS TO BE REVIEWED BY ENGINEER TO ENSURE SATISFACTORY INSTALLATION
- MANHOLE AND CHAMBER COVER GRADES:

- 'A15' IN ALL LANDSCAPED AREAS AND ON FOOTPATHS
- 'B125' IN ALL DRIVEWAYS
- 'C250' IN PRIVATE PARKING AREAS
- 'D400' IN CARRIAGEWAY/ACCESS ROAD

DESIGN SUBJECT TO THE APPROVAL OF:
BUILDING CONTROL

DESIGN SUBJECT TO THE CONFIRMATION OF:
LOCATION AND DEPTH OF EXISTING UTILITIES
VEHICULAR CROSSOVER APPROVAL

The proposed permeable paving infiltration areas has been reduced by the size of the proposed permavoid tank. (25m2) Permavoid tanks are designed allowing for infiltration through the base.

Prefixed to drawing numbers shall signify the following:-

PL = PLANNING	Shall not be used for contract or construction purposes
P = PRELIMINARY	Shall not be used for contract or construction purposes
T = TENDER	Shall not be used for construction purposes
C = CONSTRUCTION	These are the only drawings that shall be used for construction purposes
R = RECORD	Record of actual completed work

R1	27.10.25	AS BUILT DRAWING	CS	CS	CS
C2	05.06.24	DRAINAGE COORDINATED WITH SERVICES	TZ	CS	CS
C1	08.05.24	ISSUED FOR CONSTRUCTION	TZ	CS	CS
P2	05.03.24	UPDATED TO CLIENT COMMENTS	TZ	CS	CS
P1	20.02.24	PRELIMINARY ISSUE	TZ	CS	CS
REV	DATE	DESCRIPTION	BY	CHK	APP

Consulting Civil Engineers

CLIENT: AMIRI HOMES LTD

ARCHITECT: PDP ARCHITECTURE LLP

JOB TITLE: BARNFIELD HOUSE, ARUNDEL ROAD FONTWELL, BN18 0SD

DRAWING TITLE: PROPOSED FW & SW DRAINAGE PLAN SHEET 2

DRAWN: TZ	ENGINEER: TZ	CHECKED: CS	APPROVED: CS
DATE: JAN 2024	SCALE: @ A1	1:100	
JOB No: C2911	STATUS: R	DRAWING No: 206	REV: R1

RECORD