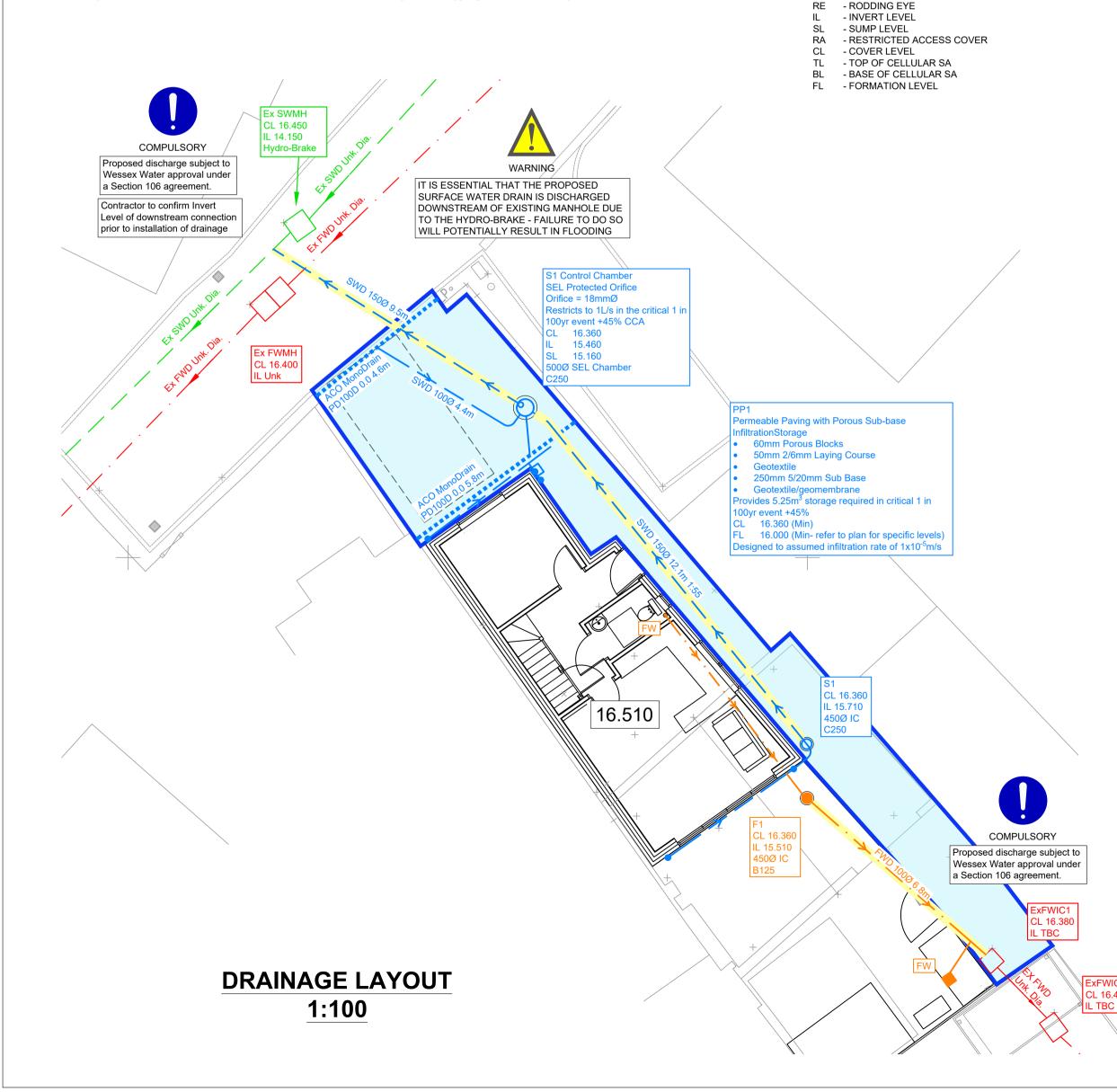


Site Specific Notes The proposed scheme consists of the demolition of an existing warehouse and construction of a single 4-bedroom dwelling with associated access and parking. Due to lack of space for conventional soakaways on site, it is proposed that all surface water runoff from roof areas is to be discharged into a local surface water sewer located within Chalice Close via a new connection into an existing sewer downstream of an existing Hydro-Brake chamber. The discharge is to be restricted to 1.0l/s and the network has sufficient capacity to cater for the 1 in 100-year +45% storm without the need for additional storage. to allow runoff to freely discharge to ground via infiltration. The

- All hard paved areas are to be constructed from a permeable surface permeable paving has been designed to an assumed infiltration rate of 1x10⁻⁵m/s and to cater for the 1 in 100-year +45% storm.
- The foul water from the site is to be discharged into an existing foul water chamber located in the south eastern corner of the site. This chamber is confirmed to discharge into an existing foul water sewer located within Commercial Road.

DESIGN SUBJECT TO THE APPROVAL OF: PLANNING AUTHORITY **BUILDING CONTROL** WATER AUTHORITY

DESIGN SUBJECT TO THE CONFIRMATION OF: EXTERNAL LEVELS DESIGN LOCATION AND DEPTH OF EXISTING UTILITIES



DRAINAGE LEGEND **EXISTING FEATURES** Existing foul water sewer/drain Existing surface water

Rainwater pipe

Storm water inspection chamber (450Ø)

Extent of permeable paving with porous sub-base

Storm water orifice flow control chamber (500Ø)

Soil stack (type TBC by

architect/m&e engineer)

Finished floor level

bedding type

ABBREVIATIONS

MH - MANHOLE

CP - CATCHPIT

00.000

100Ø 4.5m 1:100

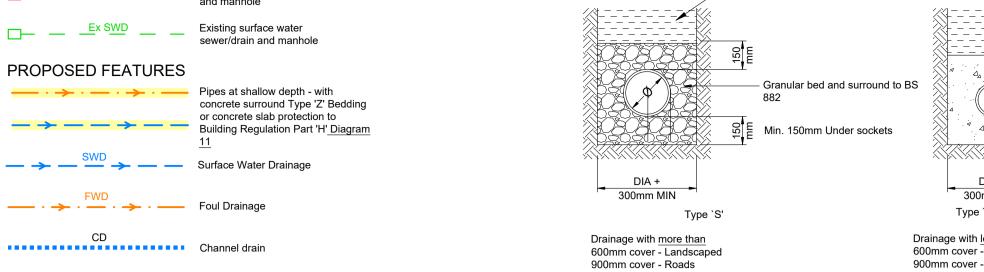
Foul water inspection chamber (450Ø)

Pipe info - diameter, length, gradient,

- INSPECTION CHAMBER

- ACCESS CHAMBER

BC - BRAKE CHAMBER



150mm x 150mm concrete-

surround required for support

inspection chamber is being

to light vehicular traffic, or

Selected site material free from stones larger

than 25mm

100mm layer of

granular material

above crown of

installed on a driveway subject

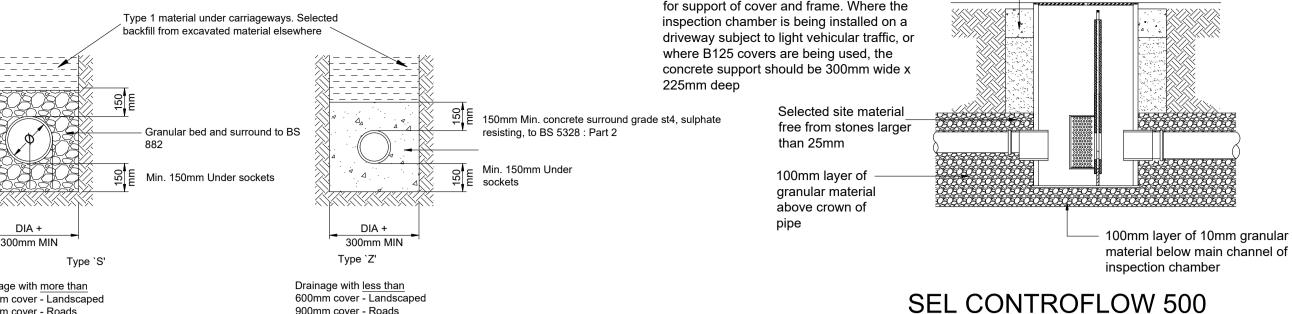
where B125 covers are being

used, the concrete support should

be 300mm wide x 225mm deep

of cover and frame. Where the

DIA + 300mm MIN Type `Z' Drainage with less than 600mm cover - Landscaped 900mm cover - Roads (Unless bedding type is stated on the drainage plans (Unless bedding type is stated on the or specification) drainage plans or specification)



Pipe bedding details in private

Direction of flow

required angle.

460mmØ INSPECTION

CHAMBER DETAIL

100mm layer of 10mm granular material below main channel of

inspection chamber

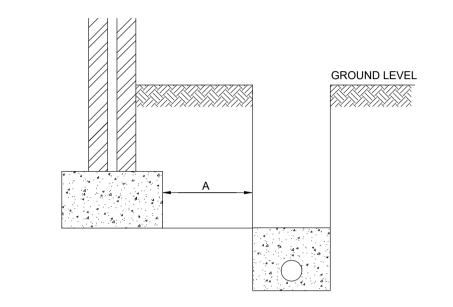
1. In all installations, the main channel of the inspection

can be used in the inlet and outlet to achieve the

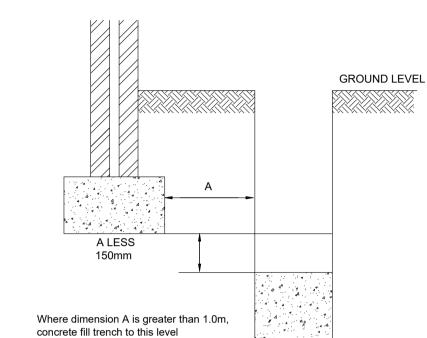
Concrete bed and haunch strength minimum C20/25 (to BS EN-206:2013)

supplied with 3no. blanking plugs.

chamber should always be used. Where the chamber



Where dimension A is less than 1.0m, concrete fill trench to level of underside of foundations



ORIFICE CHAMBER

Email: sales@selenvironmental.com

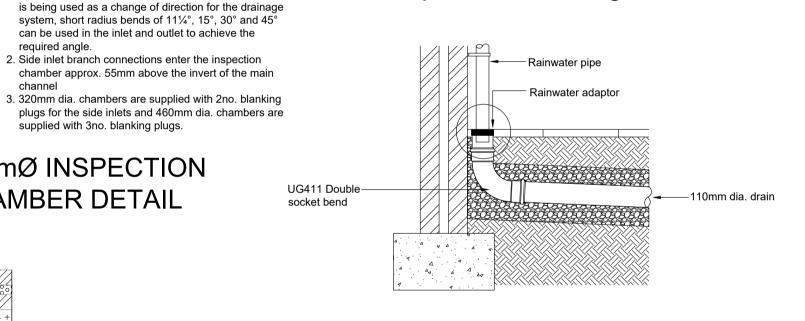
SEL Environmental LTD

Phone: 01254 589987

Pipes near buildings

150mmx150mm concrete surround required

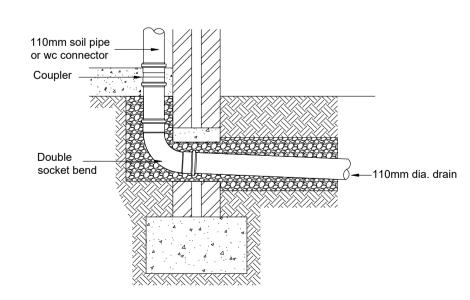
Pipes near buildings



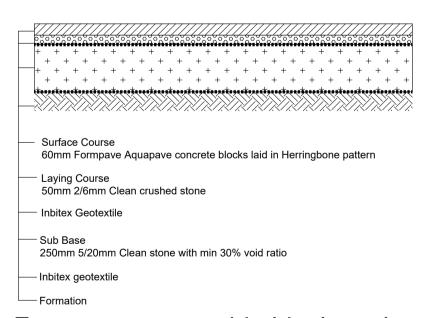
Rainwater pipe connection

Aco Monodrain Construction Detail in Block Paving

(To be read in conjunction with Aco installation specification)



Soil pipe / wc connection



Formpave permeable block paving private driveway construction

To be read in accordance with Formpave details and specification

CONSTRUCTION DETAILS 1:20

STANDARD DRAINAGE NOTES

- 1. DO NOT SCALE FROM THIS DRAWING, REFER TO FIGURED DIMENSIONS ONLY. THE CONTRACTOR SHOULD CHECK ALL
- 2. ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
- 3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
- 4. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY, SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
- 5. 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 SOFFIT TO SOFFIT UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER, IF THIS IS NOT POSSIBLE INFORM THE ENGINEER IMMEDIATELY.
- 7. COVER LEVELS SHOWN ARE APPROXIMATE. COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND
- 8. ALL UN-REFERENCED PIPES ARE TO BE 100mm DIA
- 9. ALL PIPES TO BE ADOPTED, OR CONNECTING TO ADOPTED SEWERS, TO BE VITRIFIED CLAY TO BS EN 295 AND BS65 (SWS ONLY), OR CONCRETE PIPES TO BE EN 1916 AND BS5911:PART 1.
- 10. 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.
- 11. ALL ADOPTABLE SEWERS SHALL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATION LAID DOWN DOWN IN 'SEWERS FOR ADOPTION' 6th EDITION, WITH A VIEW TO ADOPTION UPON
- 12. ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART-H, AND
- TO THE SATISFACTION OF THE BUILDING CONTROL INSPECTOR 13. 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

14. 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.

PREPARED UPON COMPLETION OF THE PROJECT.

- 15. 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.
- 16. NO PRIVATE AREAS ARE TO DRAIN ONTO ADOPTABLE AREAS AND VICE VERSA.
- 17. ALL EXISTING MANHOLE COVER'S, GULLIES, ETC, ARE TO BE RAISED/LOWERED TO SUIT NEW LEVELS.
- 18. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION AND DEPTH OF ALL EXISTING SERVICES AND UTILITIES THAT MAY BE PRESENT
- 19. 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
- 20. 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

Prefixed to drawing numbers shall signify the following:-PL = PLANNING Shall not be used for contract or construction P = PRELIMINARY Shall not be used for contract or construction 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

LH CS CS

PL1 | 20.11.23 | REVISED TO SUIT NEW SITEPLAN

P- 17.11.23 PRELIMINARY ISSUE LH CS CS BY CHK APP civils Consulting Civil Engineers WATTS HOLT C WATTS HOLT Ž Z Z 111 COMMERCIAL ROAD **POOLE** DRAINAGE LAYOUT CS CS C SLADE AS SHOWN C2903