

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

DESIGN SUBJECT TO THE CONFIRMATION OF:  
EXTERNAL LEVELS DESIGN  
ORDINARY WATERCOURSE CONSENT  
SVP/RWP POSITIONS

DRAINAGE LEGEND (1:100)

EXISTING FEATURES

Existing foul water sewer/drain and manhole

PROPOSED FEATURES

Storm water sewer/drain  
Pipe crossing (thickening denotes pipe above)

Rodding Eye  
Rainwater pipe  
Storm water access chamber (3000)  
Storm water inspection chamber (4500)

Porous paved/gravel parking area (TBC by architect)

Geocellular Attenuation Tank

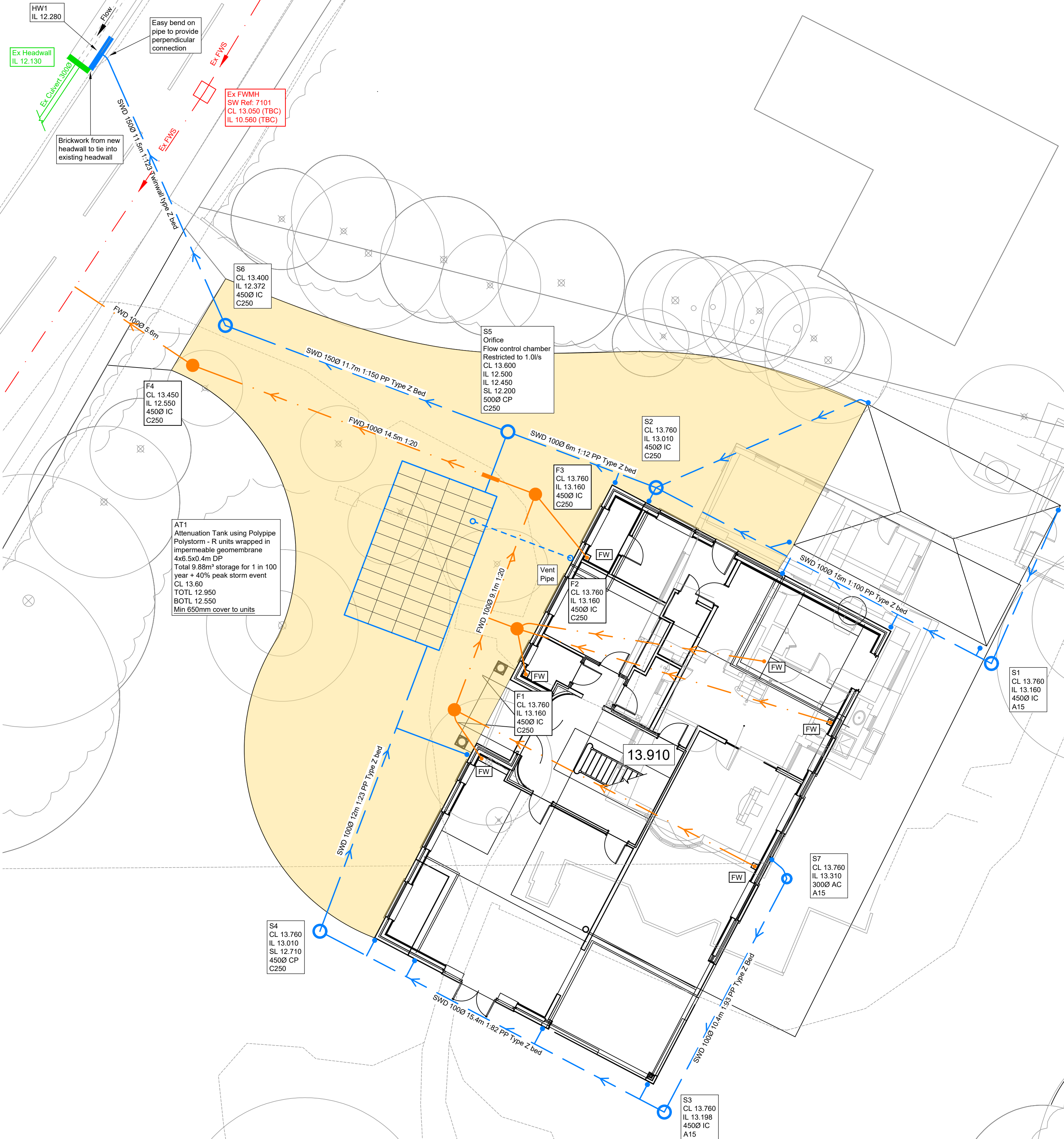
Foul water sewer/drain

Soil stack (type TBC by architect/m&e engineer)  
Foul water access chamber (3000)  
Foul water inspection chamber (4500)  
Foul water manhole (12000)

Finished floor level  
PIPE INFO - DIAMETER, LENGTH, GRADIENT, BEDDING TYPE

ABBREVIATIONS  
CP - CATCHPIT  
MH - MANHOLE  
IC - INSPECTION CHAMBER  
AC - ACCESS CHAMBER  
RE - RODDING EYE  
IL - INVERT LEVEL  
SL - SUMP LEVEL  
CL - COVER LEVEL

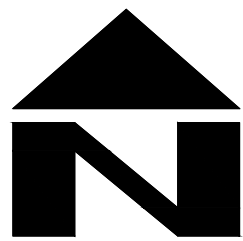
Backdrop  
High level IL  
Low level IL



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 SOFFIT TO SOFFIT 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 ASSUMED TO BE 100mm DIA.
- ALL PIPES TO BE ADOPTED, OR CONNECTING TO ADOPTED SEWERS, TO BE VITRIFIED CLAY TO BS EN 295 AND BS85 (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' 6th 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.
- 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



PRELIMINARY  
NOT FOR CONSTRUCTION

|    |          |                               |    |    |    |
|----|----------|-------------------------------|----|----|----|
| P3 | 02.08.20 | UPDATED TO SUIT NEW SITE PLAN | LH | CS | CS |
| P2 | 20.08.20 | UPDATED TO SUIT ADC COMMENTS  | LH | CS | CS |
| P1 | 21.07.20 | UPDATED HEADWALL LOCATION     | LH | CS | CS |
| P- | 25.03.20 | PRELIMINARY ISSUE             | LH | CS | CS |

| REV | DATE | DESCRIPTION | BY | CHK | APP |
|-----|------|-------------|----|-----|-----|
|-----|------|-------------|----|-----|-----|

|                                           |            |          |            |             |     |
|-------------------------------------------|------------|----------|------------|-------------|-----|
|                                           |            |          |            |             |     |
| Consulting Civil Engineers                |            |          |            |             |     |
| CLIENT<br>KIERAN NAPTHINE                 |            |          |            |             |     |
| ARCHITECT<br>SMITH SIMMONS AND PARTNERS   |            |          |            |             |     |
| JOB TITLE<br>TYRONE HOUSE<br>ALDINGBOURNE |            |          |            |             |     |
| DRAWING TITLE<br>DRAINAGE LAYOUT          |            |          |            |             |     |
| DRAWN                                     | LH         | ENGINEER | CS         | CHECKED     | CS  |
| DATE                                      | MARCH 2020 |          | SCALE @ A1 | 1:100       |     |
| JOB No.                                   | C1340      | STATUS   | P          | DRAWING No. | 100 |
| REV.                                      |            |          |            | P3          |     |

PRELIMINARY