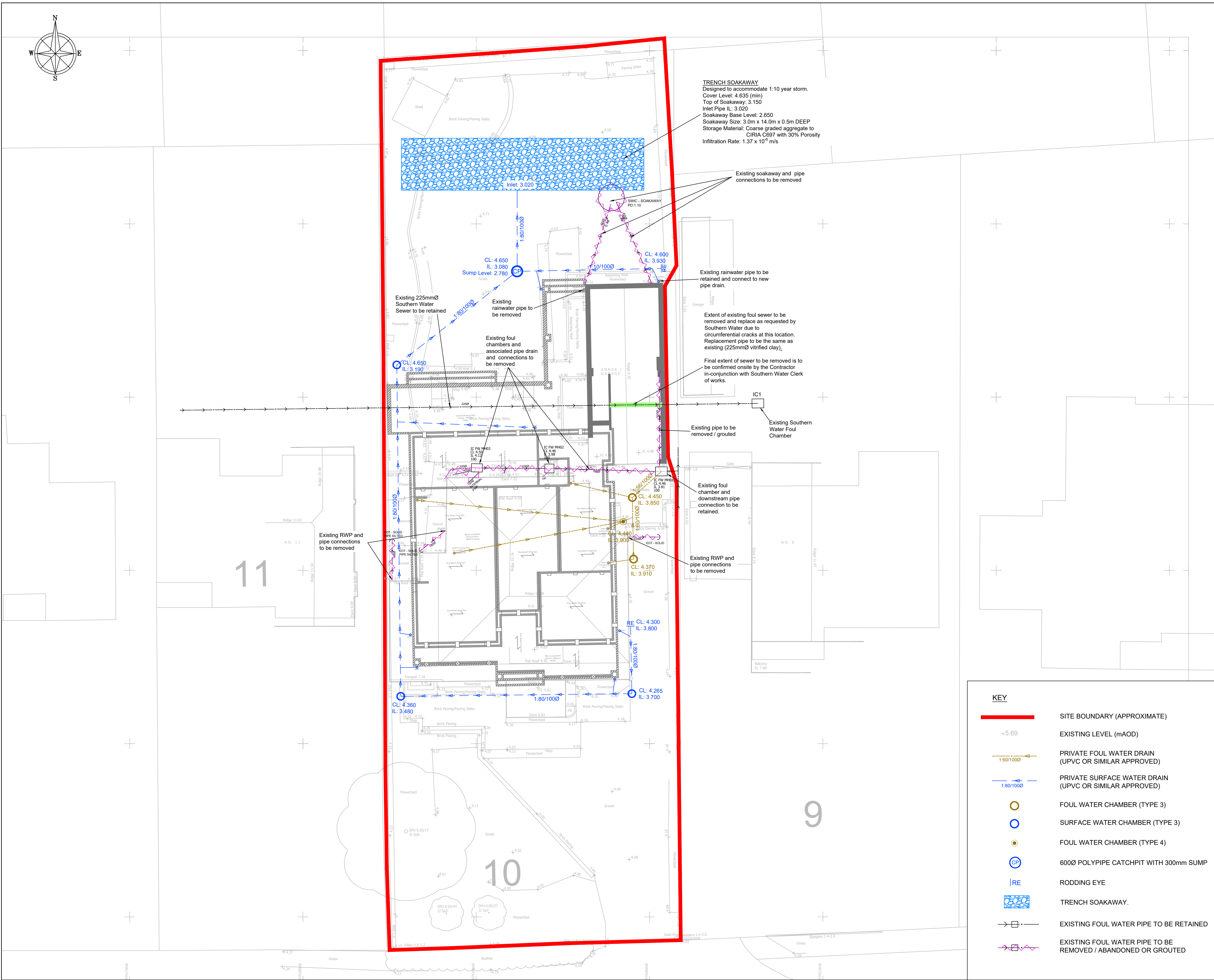
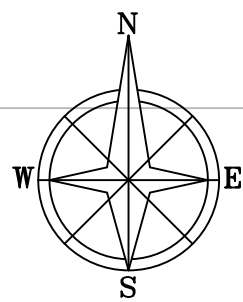




TRENCH SOAKAWAY
Designed to accommodate 1:10 year storm.
Cover Level: 4.635 (min)
Top of Soakaway: 3.150
Inlet Pipe L: 3.020
Soakaway Base Level: 2.650
Soakaway Size: 3.0m x 14.0m x 0.5m DEEP
Storage Material: Coarse graded aggregate to CIRIA C697 with 30% Porosity
Infiltration Rate: 1.37 x 10⁻² m/s

Existing soakaway and pipe connections to be removed

Existing rainwater pipe to be retained and connect to new pipe drain.

Extent of existing foul sewer to be removed and replace as requested by Southern Water due to circumferential cracks at this location. Replacement pipe to be the same as existing (225mmØ vitrified clay).

Final extent of sewer to be removed is to be confirmed onsite by the Contractor in-conjunction with Southern Water Clerk of works.

Existing pipe to be removed / grouted

Existing Southern Water Foul Chamber

Existing foul chamber and downstream pipe connection to be retained.

Existing RWP and pipe connections to be removed

Existing RWP and pipe connections to be removed

KEY

- SITE BOUNDARY (APPROXIMATE)
- EXISTING LEVEL (mAOD)
- PRIVATE FOUL WATER DRAIN (UPVC OR SIMILAR APPROVED)
- PRIVATE SURFACE WATER DRAIN (UPVC OR SIMILAR APPROVED)
- FOUL WATER CHAMBER (TYPE 3)
- SURFACE WATER CHAMBER (TYPE 3)
- FOUL WATER CHAMBER (TYPE 4)
- 600Ø POLYPIPE CATCHPIT WITH 300mm SUMP
- RODDING EYE
- TRENCH SOAKAWAY.
- EXISTING FOUL WATER PIPE TO BE RETAINED
- EXISTING FOUL WATER PIPE TO BE REMOVED / ABANDONED OR GROUTED

- NOTES**
- ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT & ENGINEERING DETAILS, DRAWINGS & 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.
 - ALL ON-LOT PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH BS EN252 THE BUILDING REGULATIONS APPROVED DOCUMENT "H" 2002 EDITION AND SEWERS FOR ADOPTION 7TH EDITION.
 - INSPECTION CHAMBERS SITUATED WITHIN AREAS ACCESSIBLE TO MOTOR VEHICLES ARE TO BE FITTED WITH SUITABLE STRENGTH COVERS AND FRAMES.
 - INSPECTION CHAMBERS CONSTRUCTION SPECIFICATION TO BE IN ACCORDANCE TO BUILDING REGULATIONS APPROVED DOCUMENT "H" 2002 EDITION AND SEWERS FOR ADOPTION 7TH EDITION.
 - ALL PRIVATE DRAINAGE SIDE BRANCHES IN INSPECTION CHAMBERS ARE RAISED 50mm ABOVE THE MAIN CHANNEL.
 - WHERE THERE IS NO SUFFICIENT FALL ALONG PIPE RUN TO ACHIEVE THE ABOVE 50mm RAISED WITHIN CHAMBERS, BENDS SHOULD BE USED TO CONNECT TO MAIN CHANNEL OR CHAMBER BASE WITH SAME LEVEL, BOTH MAIN CHANNEL AND BRANCHES SHOULD BE USED TO ACHIEVE REQUIRED FALL.
 - HEPWOORTH INSPECTION CHAMBER BASE (SPIC67) OR SIMILAR APPROVED TO BE USED WHERE ALL CONNECTION IN INSPECTION CHAMBER ARE 100mm DIA PIPES AND CHAMBER BASE.
 - SHALLOW PRIVATE DRAINS LOCATED WITHIN PRIVATE DRIVES WITH COVER LESS THAN 500mm FROM PIPE SOFFIT TO HAVE CONCRETE PROTECTION USING TYPE Z CONCRETE BED AND SURROUND OR PAVING SLABS BRIDGING THE TRENCH SUBJECT TO THE NHBC INSPECTOR'S REQUIREMENTS.
 - ALL ON-LOT PRIVATE DRAINS TO BE UPVC OR SIMILAR APPROVED PRODUCT UNLESS STATED OTHERWISE.
 - ALL ON-LOT PRIVATE DRAINS TO BE 100mm DIAMETER UNLESS STATED OTHERWISE.
 - THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE RELOCATION OF DRAINS, SO THAT "AS BUILT" DRAWINGS CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
 - BENCHING ARRANGEMENT TO ENSURE THAT NO JUNCTION IS LESS THAN 90° FROM OUTGOING SEWER, AS PER SFA 7th ED.
 - ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ONSITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
 - THE DESIGN OF THE TRENCH SOAKAWAY IS BASED ON AN INFILTRATION RATE OF 1.37 x 10⁻² m/s OBTAINED FROM PERCOLATION TEST RESULT PROVIDED BY THE CLIENT. THE INFILTRATION RATE IS DETERMINED IN ACCORDANCE TO BRE465
 - NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PERMISSION FROM THE ENGINEER.
 - BACKFILLING OF DRAIN TRENCHES ADJACENT TO DWELLINGS OF OTHER STRUCTURES TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS PART H, DIAGRAM 8.
 - ALL TYPE 3 AND 4 CHAMBERS TO BE FLEXIBLE CONSTRUCTION UNLESS SPECIFIED OTHERWISE
 - THE CONTRACTOR MUST REFER TO THE EXISTING SERVICES PLANS AND INFORMATION AND MUST LOCATE EXISTING SERVICES PRIOR TO ANY EXCAVATIONS. ALL EXCAVATION WORKS IN THE VICINITY OF EXISTING SERVICES SHOULD BE CARRIED OUT IN ACCORDANCE WITH HSG47.

REV	DATE	DESCRIPTION	CHK
-	27.07.20	Initial Issue	HG

DRAWING STATUS

DISCHARGE OF PLANNING CONDITIONS

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CLIENT:

Mr & Mrs BROWN

PROJECT:

**10 WESTERN PARADE, EMSWORTH
PO10 7HS**

TITLE:

ENGINEERING LAYOUT

SCALE @ A1:	1:100	CHECKED:	HG	DATE:	JULY 2020
PROJECT No:	J007	DRAWING No:	EL-101	REV:	-