HEALTH & SAFETY:

ALL WORKS TO BE CARRIED OUT BY A CONTRACTOR COMPETENT TO UNDERTAKE THE CONSTRUCTION OF WORKS AS INDICATED ON THIS DRAWING. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE JOB SPECIFIC RISK ASSESSMENT. THE HAZARDS NOTED ARE IN ADDITION TO THE NORMAL HAZARDS AND RISKS FACED BY A COMPETENT CONTRACTOR WHEN DEALING WITH THE TYPE OF WORKS DETAILED ON THIS DRAWING.

RISK SCHEDULE	
ITEM	DESCRIPTION OF RISK OF ACTION
⚠	SPECIFIC HEALTH AND SAFETY RISKS ASSOCIATED WITH THESE WORKS ARE HIGHLIGHTED WITH THE CAUTION SYMBOL ADJACENT TO THE ITEM OF RISK. PLEASE REFER TO RISK SCHEDULE CONTAINED ON INDIVIDUAL DRAWINGS.
	UNLESS HIGHLIGHTED THERE ARE NO SPECIFIC HEALTH AND SAFETY RISKS ASSOCIATED WITH THESE WORKS, AS A DIRECT RESULT OF OUR DESIGN, APART FROM THE COMMON ISSUES ASSOCIATED WITH CONSTRUCTION THAT WILL NEED TO BE ASSESSED BY A COMPETENT CONTRACTOR PRIOR TO THE UNDERTAKING OF ANY WORKS.
⚠	THE CONTRACTOR SHOULD BE AWARE OF DEEP EXCAVATIONS FOR SEWERS AND FOUNDATIONS.
⚠	THE CONTRACTOR SHOULD BE AWARE OF THE EXISTING HIGHWAYS ADJACENT TO THE SITE.
⚠	THE CONTRACTOR SHOULD BE AWARE OF EXISTING HV CABLES WHICH WILL REMAIN LIVE DURING CONSTRUCTION.

LEGEND

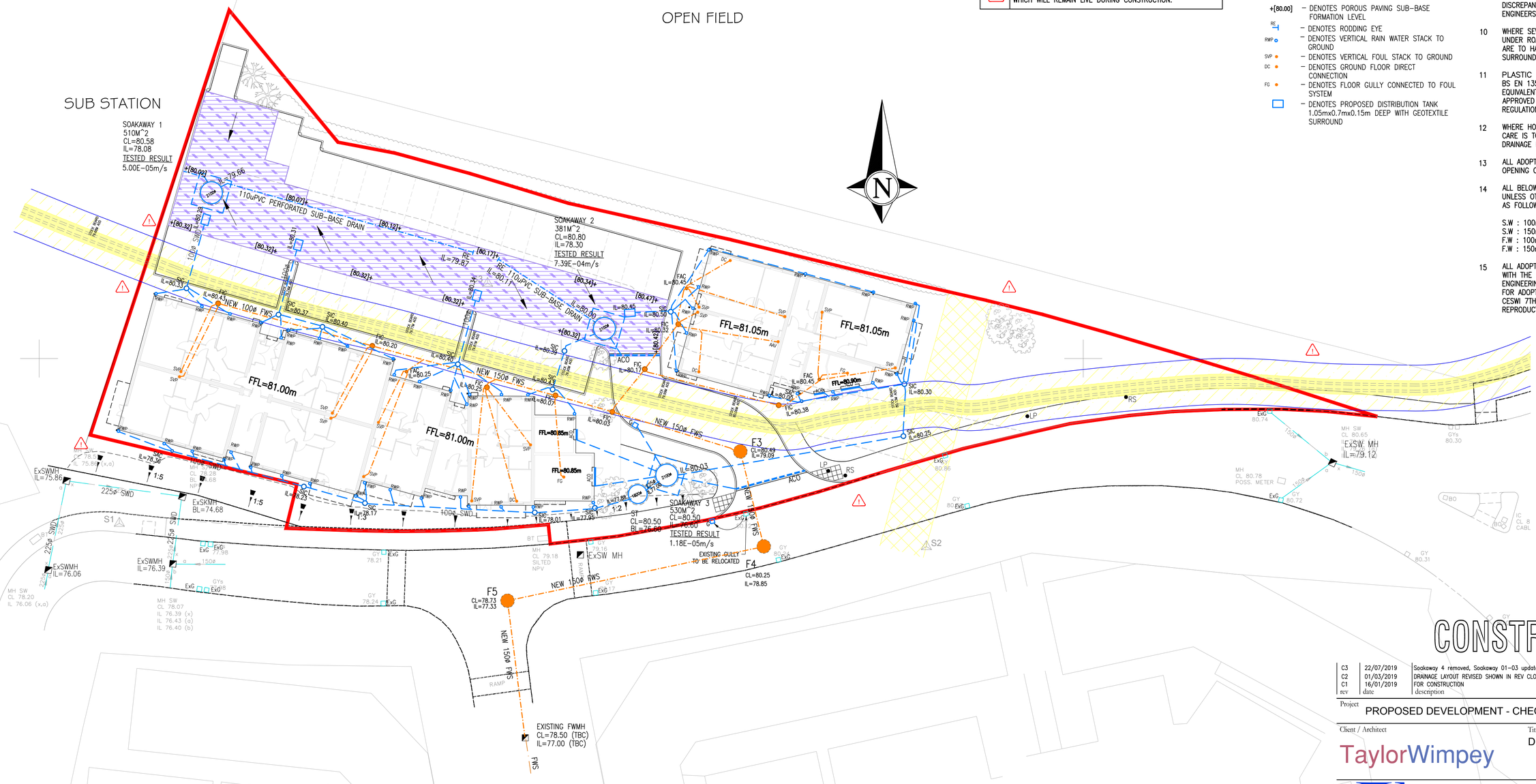
- EXISTING MANHOLE
- EXG – EXISTING GULLY
- EXISTING SURFACE WATER SEWER
- EXISTING FOUL SEWER
- SK – PROPOSED SURFACE WATER SOAKAWAY
- F1 – PROPOSED FOUL WATER MANHOLE
- G – PROPOSED GULLY CONNECTED TO SURFACE WATER SYSTEM
- SAC – PROPOSED SURFACE WATER ACCESS CHAMBER (250mm DIA)
- FAC – PROPOSED FOUL WATER ACCESS CHAMBER (250mm DIA)
- SIC – PROPOSED SURFACE WATER INSPECTION CHAMBER (450mm DIA)
- FIC – PROPOSED FOUL WATER INSPECTION CHAMBER (450mm DIA)
- 150ø @ 1:150 – DENOTES BELOW GROUND SURFACE WATER DRAINAGE
- 150ø @ 1:150 – DENOTES BELOW GROUND FOUL DRAINAGE
- ACO – PROPOSED DRAINAGE CHANNEL
- DENOTES POROUS PAVING SUB-BASE
- +[80.00] – DENOTES POROUS PAVING SUB-BASE FORMATION LEVEL
- RE – DENOTES RODDING EYE
- RWP – DENOTES VERTICAL RAIN WATER STACK TO GROUND
- SVP – DENOTES VERTICAL FOUL STACK TO GROUND
- DC – DENOTES GROUND FLOOR DIRECT CONNECTION
- FG – DENOTES FLOOR GULLY CONNECTED TO FOUL SYSTEM
- DENOTES PROPOSED DISTRIBUTION TANK 1.05mx0.7mx0.15m DEEP WITH GEOTEXTILE SURROUND

NOTES

1. THIS DRAWING IS COPYRIGHT.
2. THE CONTRACTOR AND HIS SUBCONTRACTOR ARE TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO MAKING SHOP DRAWINGS OR COMMENCING MANUFACTURE.
3. DO NOT SCALE THIS DRAWING. THE CONTRACTOR IS TO BRING TO THE NOTICE OF THE ENGINEER ANY DISCREPANCIES CONTAINED IN THIS DRAWING PRIOR TO WORK COMMENCEMENT.
4. ALL 150mm AND 225mm DIAMETER PIPES TO BE EXTRA STRENGTH VITRIFIED CLAY PIPES (SEE NOTE 15).
5. ALL PIPES OF 300mm DIAMETER OR GREATER TO BE CLASS M CONCRETE.
6. ALL PIPE MATERIALS TO BE CONSISTENT BETWEEN MANHOLES.
7. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION, THE SPECIFICATION FOR HIGHWAY WORKS 1998 AND ALL SUBSEQUENT, AMENDMENTS AND LOCAL AUTHORITIES DESIGN GUIDE. WHERE THERE IS CONFLICT BETWEEN THESE DOCUMENTS THE MATTER SHALL BE REFERRED TO THE ENGINEER.
8. FOR CONSTRUCTION DETAILS OF MANHOLES AND SEWERS REFER TO SEWERS FOR ADOPTION AND UNDERTAKERS STANDARD DETAILS WHICH CAN BE OBTAINED FROM THE LOCAL OFFICE.
9. INVERT LEVELS OF EXISTING SEWERS TO BE CONFIRMED ON SITE BEFORE ANY SEWER WORK UNDERTAKEN. ANY DISCREPANCIES FOUND SHOULD BE NOTIFIED TO ENGINEERS.
10. WHERE SEWERS HAVE LESS THAN 1.2m OF COVER UNDER ROADS AND 0.9m COVER ELSEWHERE PIPES ARE TO HAVE A 150mm CONCRETE BED AND SURROUND.
11. PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL, TO TABLE 11 OF APPROVED DOCUMENT H1 OF THE BUILDING REGULATIONS 2010.
12. WHERE HOUSE DRAINAGE IS TAKEN THROUGH BLOCK CARE IS TO BE TAKEN THAT FOUNDATION LEVELS AND DRAINAGE RUNS DO NOT CLASH.
13. ALL ADOPTABLE MANHOLES TO HAVE A MINIMUM CLEAR OPENING OF 675mmx675mm AND GRADE D400 UNO.
14. ALL BELOW GROUND DRAINAGE TO BE 100mmø UNLESS OTHERWISE INDICATED WITH A MIN. GRADIENT AS FOLLOWS:–

    S.W : 100mm Dia. 1:100
    S.W : 150mm Dia. 1:150
    F.W : 100mm Dia. 1:80
    F.W : 150mm Dia. 1:150

15. ALL ADOPTABLE DRAINAGE MATERIALS SHOULD COMPLY WITH THE REQUIREMENTS OF PART E CIVIL ENGINEERING SPECIFICATION INCLUDED WITH SEWERS FOR ADOPTION 7TH EDITION WHICH IS DRAWN FROM CESWI 7TH EDITION BUT IS NOT A FULL REPRODUCTION.



CONSTRUCTION

rev	date	description	initials
C3	22/07/2019	Soakaway 4 removed, Soakaway 01-03 updated to suit as-built infiltration results	RHB
C2	01/03/2019	DRAINAGE LAYOUT REVISED SHOWN IN REV CLOUD	RT
C1	16/01/2019	FOR CONSTRUCTION	RT

Project: PROPOSED DEVELOPMENT - CHEQUERSFIELD

Client / Architect: TaylorWimpey

Title: DRAINAGE LAYOUT

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date	drawn	checked	scale	size	project no.	drawing no.	revision
MAY 18	RHB		1:200	A1	10390	250	C3