CDM 2015 RESIDUAL RISKS

1. Deep excavations required adjacent to existing buildings. Contractor to be aware and take appropriate precautions.
2. Connection to live public foul sewer required. Contractor to be aware and take appropriate precautions.
3. Work required within immediate vicinity of public highway. Contractor to be aware and take appropriate precautions.
4. Diversion of existing private drainage networks required. Contractor to be aware and take appropriate precautions.
5. Site has abundance of live and redundant services. Contractor to be aware and take appropriate precautions.

The above residual risks are for non-standard hazards. It is assumed that a competent contractor familiar with the construction of this type of work will be appointed who will be aware ofthe standard hazards.

Existing Public Foul Manhole.
Ref: Unknown
CL = 9.64
IL = 7.14

Existing combined manhole.
CL = 9.54
IL = 7.34
S106 approval required for new connection.

Existing Public Foul Manhole.
Ref: 6103
CL = 9.802
IL = 7.132

Orifice Plate, off-site discharge restricted to 19l/s.

Approximate Location of Public Sewer to be divested As according to Sewer Records.

Approximate location of public foul chamber, as according to sewer records.

All connections to public sewer marked as to be removed are to be removed up to the site boundary and capped off within the site boundary. Connections to actual sewer are to be untouched for the avoidance of disruption to sewer.

Levels as existing

SDS NOTE:
AREA HAS BEEN ALTERED SINCE THE ORIGINAL SURVEY

SDS NOTE:
UNKNOWN PIPE VC ENCLOSED PIPE JUDGING BY JONITS GOING INTO WESTGATE HALL REQUIRES CUTTING OPEN AND A CCTV CAMERA TO CONFIRM CONNECTIVITY.
LOOKING AT RECORDS DRAWINGS COULD GO TO HALLWAY DOWN WESTGATE HALL ROAD

FFL = 10.05
Foul Rest Bend IL = 9.30

FFL = 10.15
Foul Rest Bend IL = 9.40

Parking bays assumed to drain as existing. If currently poorly draining, then a gully may be required. TBC to by Contractor to Considine prior to construction.

Geocellular Attenuation Tank (ATT1).
6m x 2m x 0.8m effective depth.
IL = 8.68
BL = 8.68
SL = 9.48
Polystorm PSM1 or equivalent approved.

Geocellular Attenuation Tank (ATT3).
10m x 2m x 0.8m effective depth.
IL = 7.95
BL = 7.95
SL = 8.85
Polystorm PSM1 or equivalent approved.

KEY

- Proposed Surface Water Pipe Ø and gradient as stated
- Proposed Foul Water Pipe Ø and gradient as stated
- Proposed Combined Water Pipe Ø and gradient as stated
- Existing Surface Water Pipe Ø and gradient as stated
- Existing Foul Water Pipe Ø and gradient as stated
- Existing System to be fully removed
- Proposed Surface Water PPIC size as stated in MH schedule
- Proposed Foul Water PPIC size as Stated in MH schedule
- Proposed Combined Water PPIC size as stated in MH schedule
- Proposed Surface Water Manhole Pre Cast Concrete - Circular Size as Stated in MH Schedule
- Proposed Foul Water Manhole Precast concrete - Circular Size as stated in MH schedule
- Proposed Adoptable Combined Water Manhole Precast concrete - Circular Size as stated in MH schedule
- ACO — Proposed ACO Channel Drain Sumps required at outlets
- TH — Proposed Threshold Drain ACO Hexdrain or equivalent
- NRV — Proposed Non Return Valve Refer to Details for Specification
- Geocellular Attenuation Tank
- AT — Access Turret
- CP — Proposed Catchpit
- HB — Proposed Hydro-Brake
- OP — Proposed Orifice Plate
- RWP — Proposed Rainwater Pipe
- SVP — Proposed Soil and Vent Pipe
- SS — Proposed Stub Stack
- DP — Foul Drain Point. TBC by Architect prior to construction.
- TDG — Tundish Gully

DO NOT SCALE THIS DRAWING. ALL SETTING OUT TO ARCHITECT'S DETAILS AND DRAWINGS

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWING ISSUES AND THE SPECIFICATION.

Notes:

G1. All building materials, components and workmanship to comply with the appropriate public health acts, building regulations, british standards and codes of practice and the appropriate manufacturer's recommendations.

G2. For all specialist work see relevant drawings.

G3. Any discrepancies, errors or omissions to be reported to the project co-ordinator for further instructions before commencement of works.

G4. The Engineer is not responsible for dimensions, except where shown on his drawings. All setting out information, dimensions, etc, shall be calculated from the Architect's drawings.

S1. Rest bend IL of existing building (Phase 1) assumed as 450mm from FFL, and assumes ground floor is treated seperately from floors above. Variations from this assumption is to be confirmed to Considine prior to construction.

S2. All new external RWPs to be constructed in accordance with Typical Rainwater Pipe (Type A). All new internal RWPs to be in accordance with Typical Rainwater Pipe (Type B) to allow for rodding access. All existing RWPs to be adapted in accordance with Typical Rainwater Pipe (Type B) to allow for rodding access. Details can be found within Private Drainage Construction Details drawings.

S3. Required rest bend depth varies. Considine construction notes (3554-CON-00-XX-DR-C-1500) to be adhered to. Reference to 'foul rest bend' on layout is the lowest foul water rest bend required for that block. Rest bend ILs for new internal RWPs = FFL-565mm.

S4. All private chamber/manhole covers to be recessed, as requested by Architect.

Rev	Amendment	Drn	Chk	Date
P05	Updated to suit M&E & Landscaping.	JEM	MJF	19.08.20
P04	Phase 2 & 3 detail design completed.	JEM	MJF	29.06.20
P03	Drainage added for Phase 2 onwards.	AM	JEM	02.06.20
P02	Updated to reflect client comments.	JEM	MJF	11.05.20
P01	Preliminary issue.	JEM	MJF	24.04.20

considine
civil + structural engineers
25 Hollingworth Court, Turkey Mill
Ashford Road, Maidstone. Kent ME14 5PP
t: 01622 919918 e: info@considine.co.uk
www.considine.co.uk

Client:
ABBOTT CONSTRUCTION LTD.

Project:
ST PETER'S STREET & POUND LANE
CANTERBURY, KENT
CT1 2BL

Drawing Title:
DRAINAGE LAYOUT
SHEET 2 OF 2

considine ref	drawn by	date	drawing scales	original paper size
3554	JEM	APR 20	1:100 @ A1	A1

drawing reference : project | originator | volume | level | type | role | number
3554 - CON - 00 - XX - DR - C - 1512

status : S0 — status description : SUITABLE FOR INFORMATION
revision : P05 — revision status : PRELIMINARY

SCALE 1:100