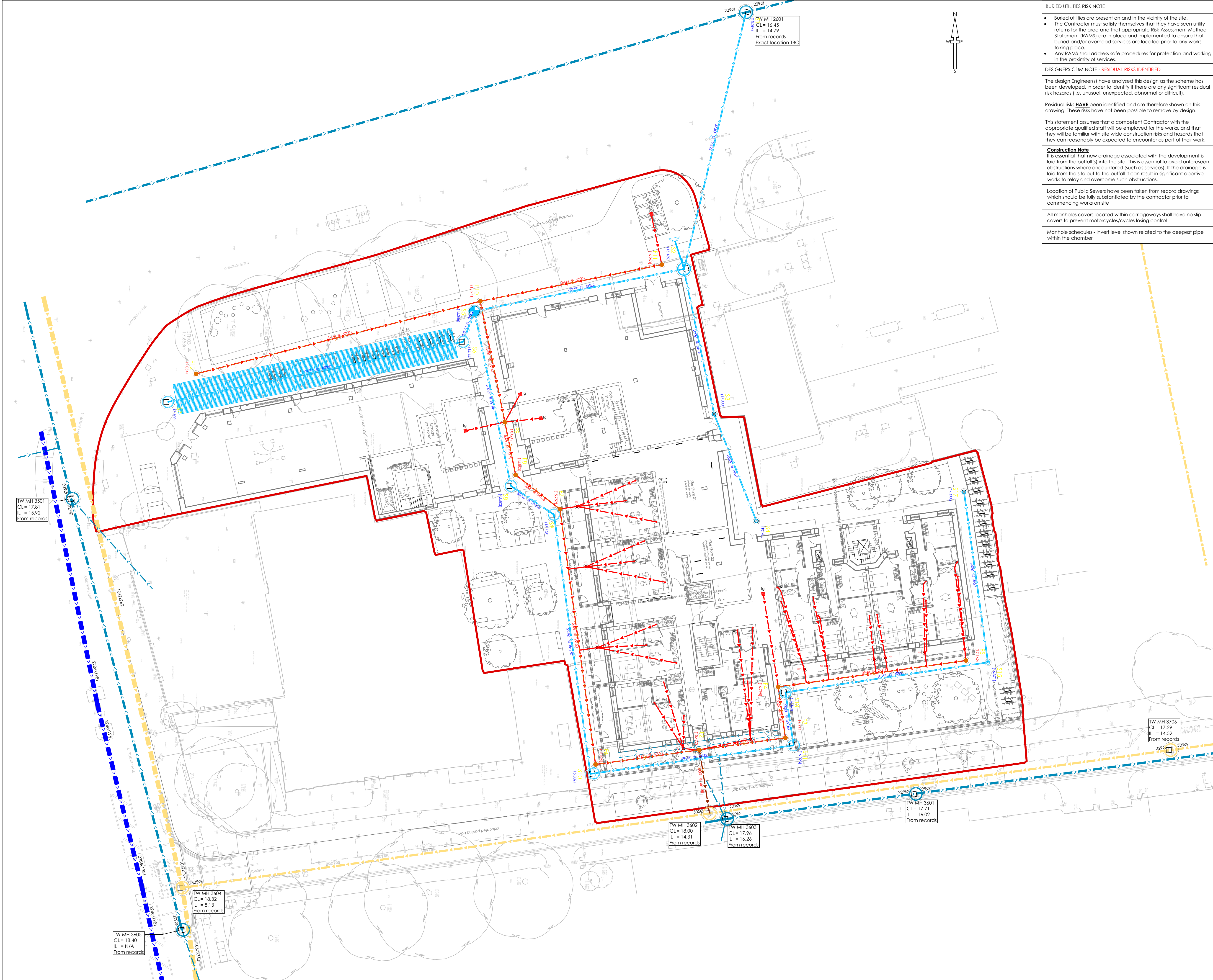




BURIED UTILITIES RISK NOTE

- Buried utilities are present on and in the vicinity of the site.
- The Contractor must satisfy themselves that they have seen utility returns for the area and that appropriate Risk Assessment Method Statement (RAMS) are in place and implemented to ensure that buried and/or overhead services are located prior to any works taking place.
- Any RAMS shall address safe procedures for protection and working in the proximity of services.

DESIGNERS CDM NOTE - RESIDUAL RISKS IDENTIFIED

The design Engineer(s) have analysed this design as the scheme has been developed, in order to identify if there are any significant residual risk hazards (i.e. unusual, unexpected, abnormal or difficult).

Residual risks **HAVE** been identified and are therefore shown on this drawing. These risks have not been possible to remove by design.

This statement assumes that a competent Contractor with the appropriate qualified staff will be employed for the works, and that they will be familiar with site wide construction risks and hazards that they can reasonably be expected to encounter as part of their work.

Construction Note

It is essential that new drainage associated with the development is laid from the outfall(s) into the site. This is essential to avoid unforeseen obstructions where encountered (such as services). If the drainage is laid from the site out to the outfall it can result in significant abortive works to relay and overcome such obstructions.

Location of Public Sewers have been taken from record drawings which should be fully substantiated by the contractor prior to commencing works on site

All manholes covers located within carriageways shall have no slip covers to prevent motorcycles/cycles losing control

Manhole schedules - Invert level shown related to the deepest pipe within the chamber

NOTE:

1. DO NOT SCALE, IF IN DOUBT ASK.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL ENGINEER'S DRAWINGS AND DETAILS, THE SPECIFICATION FOR THE WORKS, THE RELEVANT ARCHITECTS DRAWINGS AND ANY OTHER SPECIALIST'S DRAWINGS.

Drainage Key

Sewers

- Foul water drain (private/non adoptable)
- Surface water drain (private/non adoptable)
- Foul water sewer (Adoptable)
- Surface water sewer (Adoptable)
- Highway drain (Adoptable)
- Existing highway drain
- Foul rising main
- Existing foul water drain (private/non adopted)
- Existing surface water drain (private/non adopted)
- Existing foul water sewer (Adopted)
- Existing surface water sewer (Adopted)
- Existing combined water sewer (Adopted)
- Redundant sewer

Chamber Key

FW/SW

- Mini access chamber (mac) - 300mmØ
- PPIC - 475mmØ*
- P.C.C. units/brick*
- Adoptable demarcation manhole within 1m of boundary
- Manhole
Depth: 1.25m to 1.5m*
Depth: 1.55m to 3.0m*

* General note
(Refer to standard details & longitudinal sections for chamber sizes. Size may need to increase dependant on number of incoming pipes/size of incoming pipes)

SE	Surface water radding eye
+	Rain water down pipe (roddable access)
+	Soil vent pipe/soil stack
ST	Silt Trap (ST) with removable silt bucket
S1/F1	Manhole reference number
YD	Yard gully (150mm - 200mmØ trapped)
R	Road gully (trapped) D400
F	Floor gully (trapped)
S	Surface water sump unit
LC	Linear drainage channel
CS	Cellular storage (refer to drawing for sizes)
RWP	RWP cellular discharge/collection unit (DU) (Permavoid or similar)
H	Headwall
RPZ	Tree root protection zone (RPZ)
IB	Impermeable barrier to stop lateral movement of water
B	Baffle to prevent rapid through flow of water through permeable paving
FFL	Finished Floor Level (FFL)
XX.XX	Block paving - permeable
	Block paving - standard (non-permeable)
	Flood exceedance routing

AWAITING ISSUE

ELECTRONIC COPY MUST BE PRINTED AT TIME OF ISSUE

##	14.10.19	Initial Issue	##	##
Rev	Date	Amendments	By	Chkd

engineersHRW

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Project:
The Roundway Haringey

Drawing title:
Drainage Design

Scale at A1: 1:200	Drawn by: NJ	Date: 14.10.2019	Chkd by: RJW
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Status: **S2** Purpose For Issue: **INFORMATION**

Drawing Number: **2173-HRW-XX-XX-DR-C-0300** Rev: **P01**