

EXTERNAL WORKS KEY

32.50
● RET = RET =
31.60

URL = URL = URL =
450mm

FOE = FOE = FOE =

ACO = ACO = ACO =

ACO = ACO = ACO =

ACO = ACO = ACO =

FGB = FGB = FGB =

32.60
●
LSL

5.00 ✕

BATTER SLOPE

HANDRAILS

■

M

DENOTES RETAINING STRUCTURE AS CLIENTS STANDARD DETAILS RETAINED HEIGHTS ARE FOR RETAINED DEPTH ONLY AND DO NOT ALLOW FOR HANDRAIL OR PARAPET WALL HANDRAILS/DRAUGHTSTRIPS AS CLIENT DETAILS TO COMPLY WITH APPROVED DOCUMENT

DENOTES DEPTH OF FACINGS BRICKWORK IN ADDITION TO STANDARD 150mm between FFJ/DPC AND FLAG LEVEL

DENOTES LOCATION OF FLAG ON EDGE MAX. RETAINED HEIGHT 450mm

CLASS A LINE DRAINAGE CHANNEL

CLASS B LINE DRAINAGE CHANNEL

CLASS C LINE DRAINAGE CHANNEL

DENOTES LOCATION OF FENCE & GAVEL BOARD MAX. RETAINED HEIGHT 550mm

DENOTES FINISHED GROUND / SURFACE LEVEL

DENOTES PROPOSED GRADIENTS

ACCESS RAMP TO COMPLY WITH APPROVED DOCUMENT PART II SECTION 6.14-1 IN 15 max. GRADIENT OVER A MAXIMUM DISTANCE OF 10m 1 in 12 max. GRADIENT OVER A MAXIMUM DISTANCE OF 5m

DENOTES SITE BOUNDARY LEVEL FROM TOPO. SURVEY

DENOTES BATTER SLOPES

ACCESS RAMP TO BE FORMED BUT TURNED TO SHAPE USING DRIVEWAY SURFACING MATERIAL

DENOTES EXTERNAL STEPS (AS PER APPROVED DOCUMENT M Section 1.8.) 150mm MAX RISE 300mm MIN. GOING WITH HANDRAILS FOR 3 OR MORE STEPS OR WHERE MORE THAN 600mm HIGH BRICKWORK OR CAPPING TO SIDES OF STEPS FOR 2 OR MORE STEPS (INDICATED BY * ON DRAWINGS)

YARD GULLY TO CONNECT TO PRIVATE SEW SYSTEM

DOUBLE DAMP PROOF COURSE

RETAINING FEATURES AND STRUCTURES SHOWN ON THESE DETAILS ARE PROVIDED TO INDICATE THE LOCATIONS IN WHICH SUCH FEATURES WILL BE REQUIRED.

IT IS INCUMBENT UPON THE CLIENT TO ENSURE THAT THEY CONSULT WITH THEIR STRUCTURAL ENGINEERS FOR THEM TO PRODUCE THE RELEVANT RETAINING FEATURE DESIGNS AND CALCULATIONS IN ACCORDANCE WITH RELEVANT GUIDELINES AND COP'S

TO CATER FOR ANY DEVIATIONS IN THE AS
CONSTRUCTED ROAD / FOOTPATH LEVELS IN
RELATION TO THE DESIGN LEVELS, THE PROPOSED
FLOOR LEVELS SHOWN MUST BE CHECKED ON SITE
BY THE SITE AGENT OR ENGINEER IN RELATION TO AS
BUILT ROAD LEVELS TO ENSURE COMPLIANCE WITH
PART M OF THE BUILDING REGULATIONS

FOUNDATIONS TO BE DESIGNED / CONSTRUCTED TO
TAKE INTO ACCOUNT THE PROXIMITY AND DEPTH OF
ADJACENT SEWERS AND DRAINS

CONTRACTOR/CLIENT SHOULD NOTE THE EXISTENCE OF EXISTING BURIED PLANT AND OR OVERHEAD POWER CABLE(S) BEFORE WORK COMMENCES CONTRACTOR MUST UNDERTAKE RISK ASSESSMENT AND PROVIDE METHOD STATEMENT FOR WORKING IN THIS AREA IN ACCORDANCE WITH HSE AND POWER SUPPLIERS GUIDELINES TO SATISFACTION OF THE CDM CO-ORDINATOR

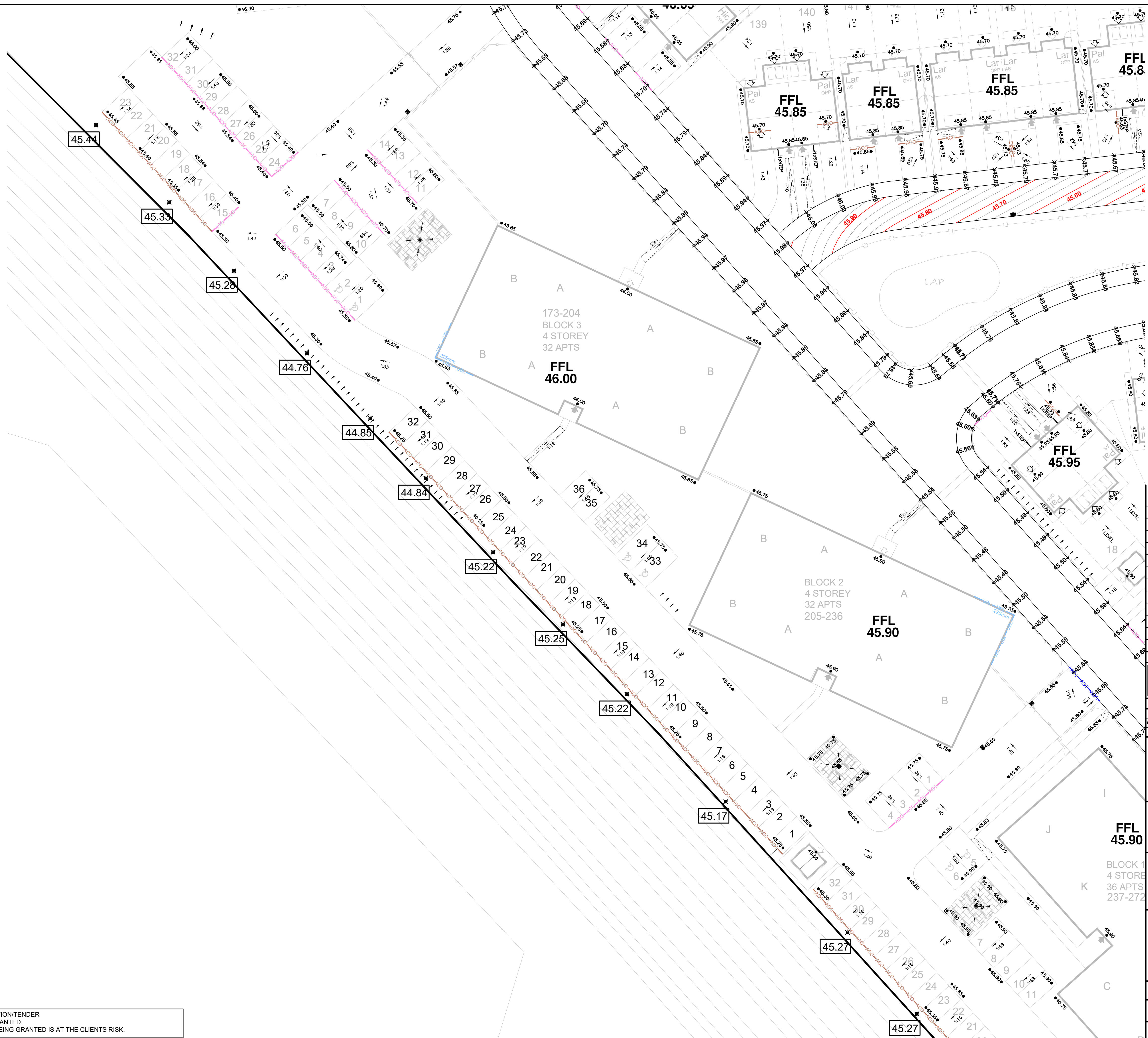
ALL EXISTING SERVICES TO BE LOCATED AT COMMENCEMENT IN ACCORDANCE WITH UNDERTAKERS REQUIREMENTS AND PROTECTED ACCORDINGLY DURING THE WORKS

ALL MANHOLE COVERS AND FRAMES MUST COMPLY WITH BS EN124.
COVERS IN ROAD TO BE GRADE D400 AND BE 150mm DEEP. MANHOLE COVERS IN CAR PARKING AREAS AND DRIVES TO BE GRADE B125. WHILST LANDSCAPED AREAS MAY BE GRADE A15, ALL TO BE SIZED IN ACCORDANCE WITH PART H OF THE BUILDING REGULATIONS 2002 TABLES 11 & 12

WHERE THE FLOOR LEVELS OF PLOTS ARE RAISED SIGNIFICANTLY (I.E OVER APPROX. 500mm) AND FILLING IS REQUIRED THERE MAY BE AN NHBC REQUIREMENT TO PROVIDE A DETAILED SPECIFICATION FOR THE TYPE OF FILL TO BE USED AND METHOD OF COMPACTION. IN SUCH INSTANCES PLEASE REVERT BACK TO REFA FOR FURTHER DETAILS

THIS DRAWING IS BASED ON PLANNING
LAYOUT PROVIDED BY CLIENT
DRAWING NUMBER:- KH006 A-100
REVISION:- L
CLIENT TO ENSURE THE ABOVE LAYOUT IS CURRENT BEFORE
USING THIS DRAWING FOR CONSTRUCTION PURPOSES

PLEASE NOTE THAT THIS DRAWING IS ISSUED FOR INFORMATION/TENDER PURPOSES ONLY UNTIL TECHNICAL APPROVAL HAS BEEN GRANTED.
ANY WORK UNDERTAKEN PRIOR TO TECHNICAL APPROVAL BEING GRANTED IS AT THE CLIENTS RISK.



1. All adoptable sewers and associated works are to comply fully with "Design and Construction Guidance" & Local Processes
2. All highway works to be to adoptable standards and to comply fully with the Local Authority specification.
3. All private drainage works are to comply fully with part H of the Building Regulations
4. All existing invert levels to be checked by the Contractor at the start of works and any discrepancies notified to H&C
All levels are based on topographical survey information provided by relevant B.S.Kitemark and comply fully with the specifications.
5. All materials to bear the relevant B.S.Kitemark and comply fully with the specifications.
All concrete & concrete products must use sulphate resistant cement. In cases where the site investigation report proves that sulphate attack from soils and groundwater will not occur)
6. All opening notices etc. as required under highways acts etc. are to be obtained prior to commencement of works.
All works are to be inspected by LA, NHBC or Relevant Water Authority as applicable.

C.D.M. REGULATIONS 2015

In line with the above regulations we are obliged to inform the Client of their responsibilities under section CDM 15/1, and residual risks that may be encountered in the construction of these works.

All design work has been carried out with Health and Safety aspects given full consideration.

Wherever possible risks have been eliminated from the design, however, due to the very nature of this type of work it is not possible to remove all the risks from the design.

We would also respectfully remind the Client of his obligations to take all reasonable steps in ensuring that only competent Contractors who have a valid safety policy are employed.

They should also provide satisfactory responses at all stages to the Contractor in which they will deal with the elements of risk involved in this type of work and in particular those highlighted by REFA below:-

1. Support / treatment for ALL excavation work.
2. Guarding of edges of excavations to prevent people, materials and vehicles falling into excavation.
3. Guarding of excavations outside working hours to prevent unauthorised access.
4. Undermining to adjacent roads or structures.
5. Confined space operations.
6. Dealing with existing services.
7. Traffic management on existing highways.
8. Procedure to be followed in event of accident or emergency.
9. Method of working where contaminated ground is present on site.
10. Confirmation will be required that all operatives are adequately trained, copies of relevant training certificates to be supplied.

The above list is by no means exhaustive but it does highlight operations that present a risk to contractors and the general public.
For clarification on any item please contact REFA.

[illegible]

D	TO PLANNING LAYOUT REV L	RW	06.04
C	UPDATED TO PLANNING LAYOUT REV H	RW	25.01
B	ADDITIONAL GULLIES TO SHARED DRIVEWAY SERVING APARTMENT BLOCKS	RW	08.12
A	REVISED FOLLOWING CLIENTS COMMENTS	RW	28.11

rev	Revision details	Rev.By	Date
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SAFETY
SCHEMES IN
PROCUREMENT

Drawing Stage		Drawing Status	
	Draft		Comments
●	Issued	●	Tender
			Information
			Construction
		●	Approval
			As Built

Client
KELLEN HOMES

Job title

**BENNETT STREET
MANCHESTER**

Drawing title

EXTERNAL WORKS

DRG 6

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CONSULTING ENGINEERS
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Date 17.11.22	Scale 1/250	Drawn RW
DRAWING No	22122/106/6	Rev D

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