



C	Amended to suit planning layout Rev R.	09.04.21	RTH
B	Externals amended.	26.01.21	CW
A	Amended to suit planning layout Rev K.	19.01.21	RTH
Rev	Description	Date	Initials

**Haigh Huddleston & Associates**  
 Civil Structural Engineering Consultants

Firth Buildings, 99 - 101 Leeds Rd, Dewsbury, WF12 7BU | T 01924 464342 | F 01924 450662  
 e trevor.haigh@haighhuddleston.co.uk

Client  
**YORKSHIRE COUNTRY PROPERTIES**

Project  
**ABBAY ROAD, SHERLEY**

Detail  
**EXTERNAL WORKS PLAN**

Dwn: JF | Cnd: JM | Date: OCT2020 | Scale: 1/250 @A1 | Dwg No: E17/7465/021C

RISK	LEVEL OF RISK (MM)	SUGGESTED ACTION
DEEP EXCAVATIONS ASSOCIATED WITH NEW DRAINAGE WORKS	HIGH	ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS
HANDLING LARGE DIAMETER MANHOLE RINGS AND CIRCULAR PIPES	HIGH	USE CORRECT LIFTING EQUIPMENT AND ENSURE OPERATIVES WEAR APPROPRIATE PROTECTIVE CLOTHING/HARD HATS/CORRECT PPE
CONTACT WITH SEWAGE	MED	OPERATIVES TO USE CORRECT BREATHING EQUIPMENT/CORRECT PPE
NOISE	MED	OPERATIVES TO USE CORRECT EAR PROTECTION/CORRECT PPE
DRAINAGE EXCAVATIONS ADJACENT EXISTING BOUNDARY STRUCTURES	HIGH	ENSURE CORRECT SUPPORTS ARE PROVIDED TO TRENCHES AND BUILDINGS WHERE REQUIRED
DRAINAGE EXCAVATION IN PUBLIC HIGHWAY	HIGH	ENSURE CORRECT USE OF TRENCH SUPPORTS IN EXCAVATION AND SCREEN BARRIERS TO PROTECT MEMBERS OF THE PUBLIC
MAINTAIN ACCESS TO ADJACENT PROPERTIES AND OCCUPIERS	HIGH	ENSURE WORKS ARE PROTECTED WITH BARRIERS AND SIGNS TO GUIDE THE PUBLIC AWAY FROM THE WORKS
DRAINAGE EXCAVATIONS NEAR TO EXISTING SERVICES	HIGH	ENSURE WORKS ARE PROTECTED WITH BARRIERS AND SIGNS TO GUIDE MEMBERS OF THE PUBLIC AWAY FROM THE AREA
WORKING IN CONFINED SPACES, WORKING IN DRAINS AND MANHOLES	HIGH	CONFINED SPACES WORKING TRAINED PERSONNEL ONLY TO CARRY OUT WORKS UNDER A PERMIT TO WORK SCHEME. ALL ENTRIES TO CONFINED SPACES
WORKING IN HIGHWAYS / RISKS FROM VEHICLE AND PLANT	HIGH	ALL WORKS TO BE SIGNED AND FENCED FROM NORMAL VEHICULAR TRAFFIC. ALL WORKERS TO WEAR HIGH VISIBILITY CLOTHING. ALL PLANT TO HAVE VISUAL AND ACOUSTIC WARNING SYSTEMS
ROAD AND DRAINAGE CONSTRUCTION	HIGH	ALL EXCAVATIONS TO BE ADEQUATELY FENCED OFF AND SUPPORTED DURING CONSTRUCTION. ALL OPERATIVES TO BE TRAINED IN CORRECT METHODS OF LIFTING AND WORK IN ACCORDANCE WITH USES RECORD

IT IS ASSUMED THAT WORKS ASSOCIATED WITH THIS DESIGN WILL BE UNDERTAKEN BY A PERSON OR PERSONS WHO ARE COMPETENT AND HAVE THE REQUIRED LEVEL OF EXPERIENCE AND EXPERTISE.

- RET WALL
- 2.0m TRENCH WALL
- +98.00
- +99.00
- +99.20
- 1:12
- 3:1 STEPS
- 0.3m EXTRA FACINGS
- 0.45m SPLIT
- 0.3m TANK

Annotation of wall height, type and approximate extents. Retention of non-vehicular areas to a maximum height of 300mm flag on edge (FOE)

Indicative finished ground levels at the top and bottom of a retaining structure or alternatively at strategic points around footways, plots and gardens.

Indication of steps/ramps and access gradients commensurate with Part M of the Building Regulations where access is steeper than 1:20. Steps above 600mm to be constructed with hand rails in accordance with Building Regulations.

Maximum depth of facing brickwork in metres below the DPC. Inclusive of the normal 2 courses below DPC

Split level FFL to indicated dimensions (450mm MIN)

Maximum height of tanking required to indicated dimensions. TO BE AVOIDED WHERE POSSIBLE