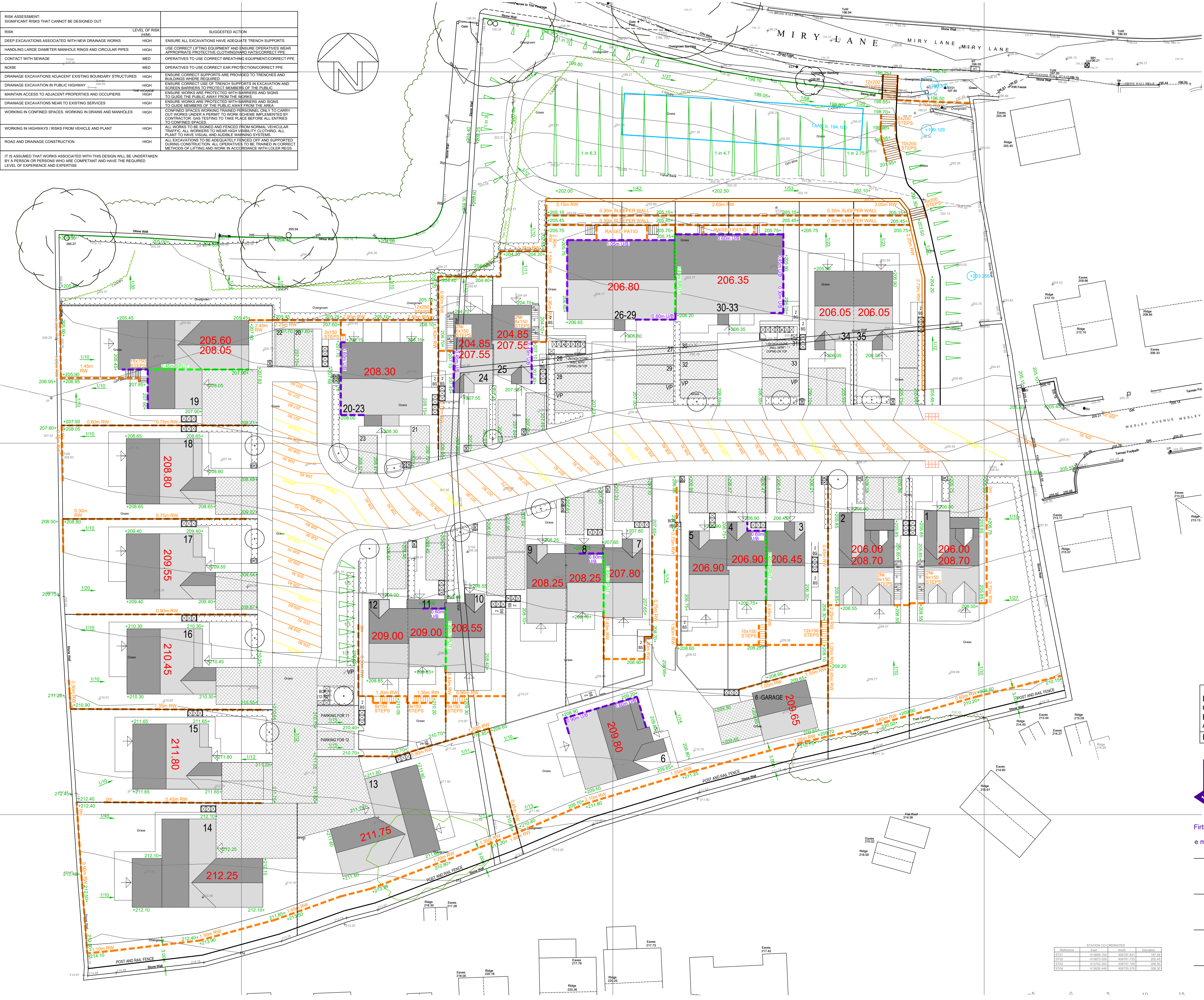


RISK ASSESSMENT: SIGNIFICANT RISKS THAT CANNOT BE DESIGNED OUT		
RISK	LEVEL OF RISK (H/M/L)	SUGGESTED ACTION
DEEP EXCAVATIONS ASSOCIATED WITH NEW DRAINAGE WORKS	HIGH	ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS
HANDLING LARGE DIAMETER MANHOLE RINGS AND CIRCULAR PIPES	HIGH	USE CORRECT LIFTING EQUIPMENT AND ENSURE OPERATIVES WEAR APPROPRIATE PROTECTIVE CLOTHING/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 MEMBERS OF THE PUBLIC AWAY FROM THE AREA
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 IMPLEMENTED BY CONTRACTOR, GAS TESTING TO TAKE PLACE BEFORE 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 AUDIBLE 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 LOLER REGS
IT IS ASSUMED THAT WORKS ASSOCIATED WITH THIS DESIGN WILL BE UNDERTAKEN BY A PERSON OR PERSONS WHO ARE COMPETANT AND HAVE THE REQUIRED LEVEL OF EXPERIENCE AND EXPERTISE		



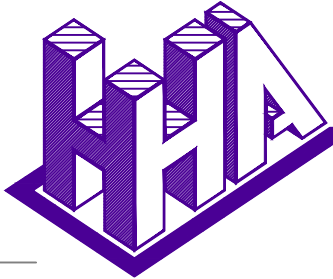
External Works Notes

- Fences located above walls shall about the rear face of brickwork and be provided with independent concrete foundations. Posts must not be fixed to walls. Where close boarded or panel fencing is used above the standard wall types the scheme must be referred to the Structural Engineer to check the wall suitability.
- The layout will indicate the maximum retained height and applicable maximum wall type. The wall shall then step down in type and scale as determined on site and in accordance with the standard detail drawings.
- Where low points are indicated against buildings it is anticipated that the actual low point will be offset from the building line by a minimum of 150mm horizontally and 20mm vertically so as to provide a water check. Where practical, the use of channel drainage systems should be avoided and gullies used in preference. It is essential that the gullies used for a particular application area are adequate in number and scale for the application.
- The provision of external structures requires excavation work in trenches, and requires normal trench precautions to be undertaken.
- The provision of retaining walls may necessitate the undercutting of existing slopes and /or structures to effect the new wall construction. Specialist advice is required in these instances from an appropriately qualified Structural and Geotechnical Engineer to address the issues of structural stability.
- Materials and plant must not be stored on the high side of a slope and the area must be guarded to prevent falls from height.
- Adequate measures must be employed to provide slope stability or stability/shoring to existing structures. Particular attention should be paid to be weather proofing of any slopes that will be exposed for some time.
- Similar precautions are required when working in proximity to existing retained mature trees. Excavations may destabilise structural roots and should ideally be undertaken by hand to avoid overhead contact between plant and tree boughs.
- Method statements may be required by the planning supervisor demonstrating operative training and competence in these issues. Personal Protective Equipment must be worn at all times.

Key

- 0.3m FOE/CGB
 - 1.0m RW
 - 2.0m Gabion Wall
 - +98.00
 - +99.00
 - +98.60
 - +99.20
 - 1/12
 - 4x150 STEPS
 - 0.3m UB
 - 0.3m SPLIT
 - 0.3m TANK
 - +18.30+
- Annotation of wall height, type and approximate extents.
Retention of none vehicular areas to a maximum of 300mm in either flag on edge (FOE) or concrete gravel board (CGB) as directed on site.
- 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.
- Maximum depth of facing brickwork in metres below the DPC. Inclusive of the normal 2 courses below DPC
- Split level FFL to indicated dimensions.
- Maximum height of tanking required to indicated dimensions.
- Back door level entrance.

Rev	Description	Date	Initials
D	Plot 26-35 rear gardens amended to suit MKDC Conservation response.	13.06.23	JM
C	Updated to suit latest planning layout.	09.06.23	JM
B	Road position amended to suit latest planning layout.	02.03.23	JF
A	Plot positions amended to suit latest planning layout.	14.02.23	JM



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Client
HEYWOOD DEVELOPMENTS

Project
WESLEY AVENUE, NETHERTHONG

Detail
EXTERNAL WORKS PLAN

Dwn: RTH Chd: JM Date: FEB'2023 Scale: 1/250 @A1 Dwg No: E22/7931/021D

STATION CO-ORDINATES		
Reference	East	North
ST01	413689.724	409787.831
ST02	413691.029	409789.126
ST03	413702.354	409787.039
ST04	413690.449	409789.379