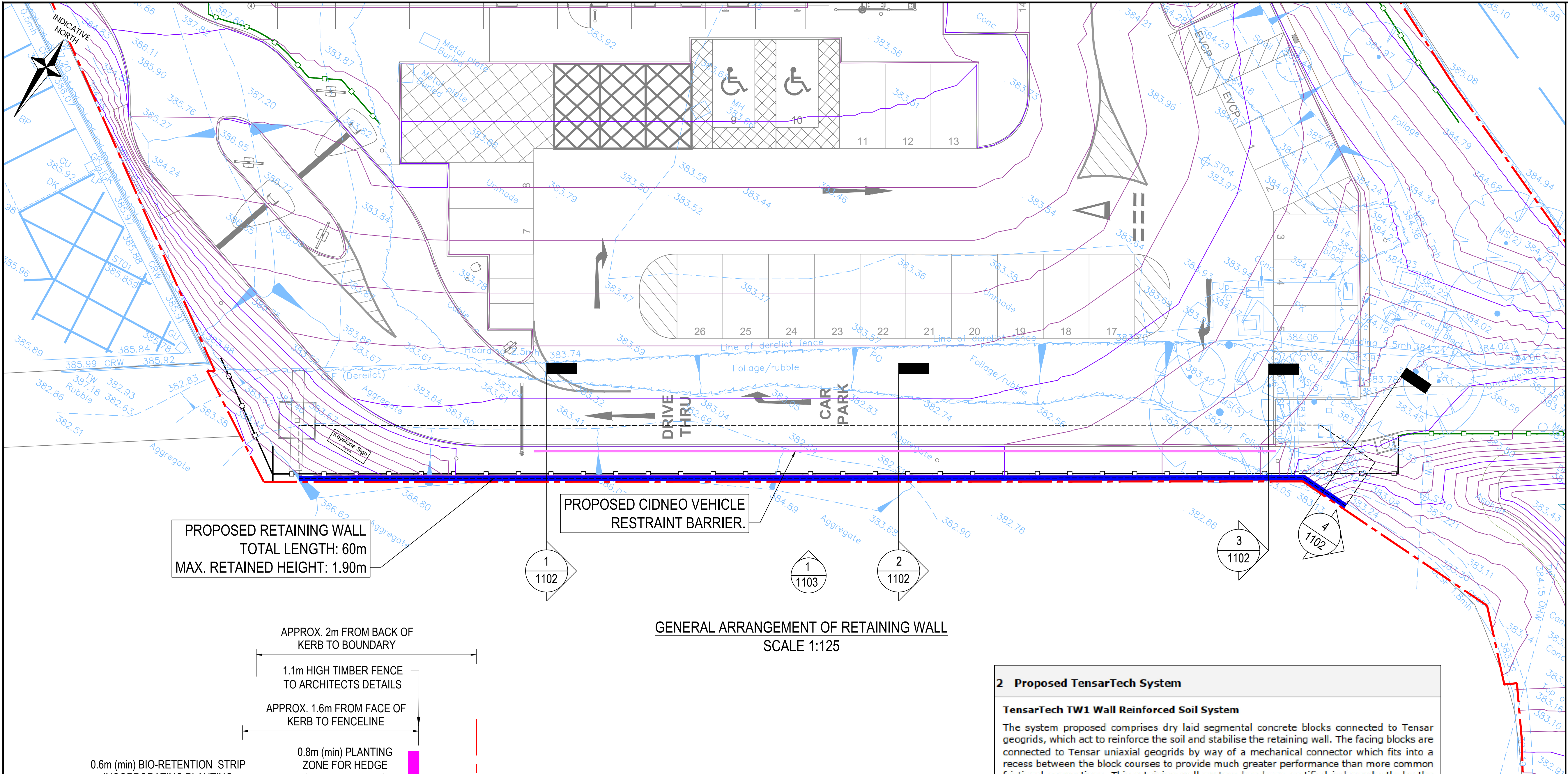




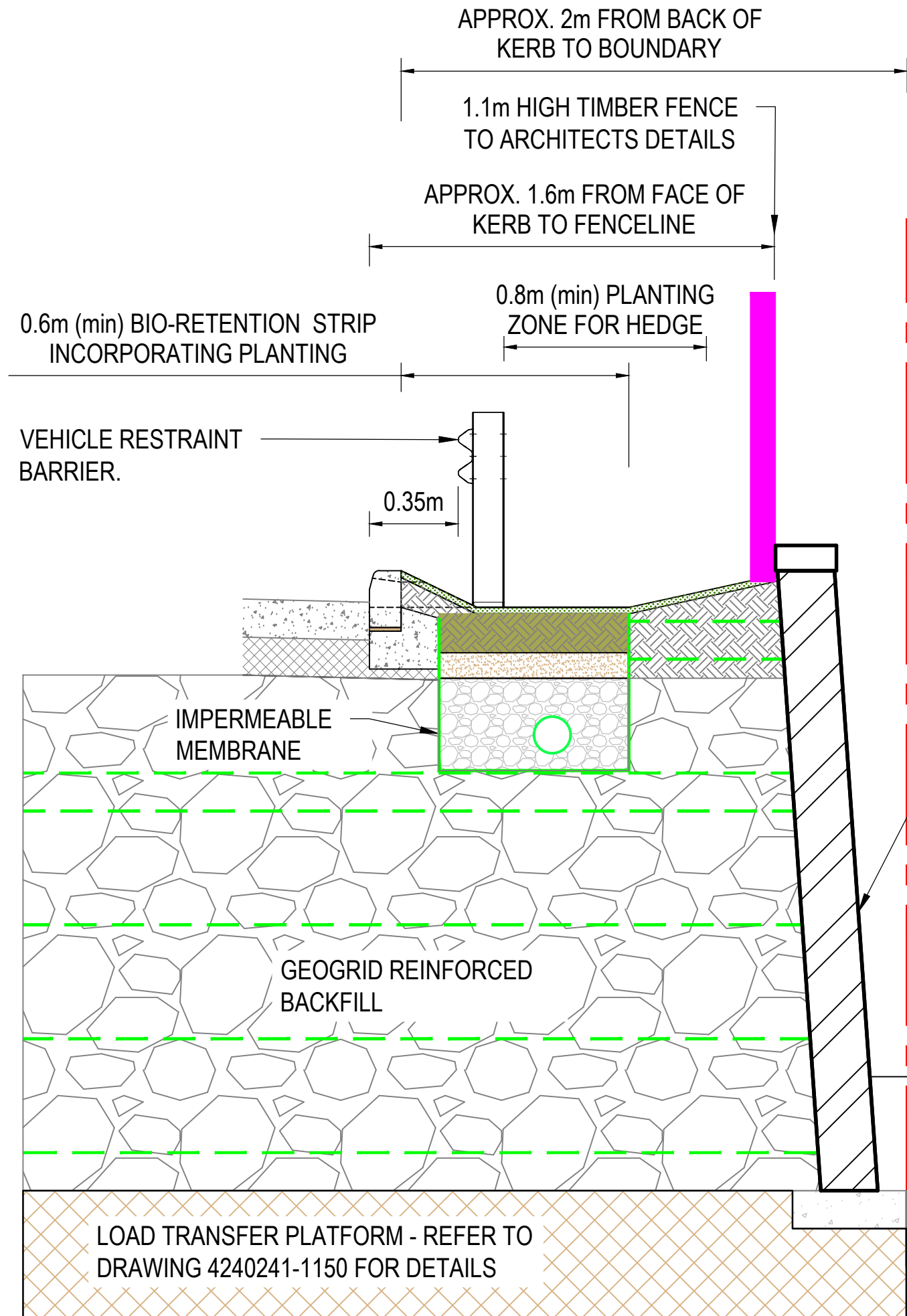
- NOTES
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS, DOCUMENTS AND SPECIFICATIONS. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN ON THIS AND ANY OTHER DRAWING SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
 2. DO NOT SCALE FROM THIS DRAWING. WORK TO FIGURED DIMENSIONS ONLY.
 3. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS SPECIFICALLY STATED AS 'FOR CONSTRUCTION' IN THE DRAWING STATUS.
 4. ALL DRAWING INFORMATION MUST BE READ FROM HARD COPY / PDF FILES ONLY, MARKED CHECKED. BEFORE PROCEEDING PLEASE ENSURE THE ISSUE STATUS IS APPROPRIATE FOR THE INTENDED USE. ALL INFORMATION EXTRACTED DIRECTLY FROM DRAWING FILES (E.G. DWG'S) IS DONE SO ENTIRELY AT THE USERS RISK.

- KEY:
- SITE BOUNDARY
 - PROPOSED SITE LAYOUT
 - TOPOGRAPHICAL SURVEY
 - OS MAP
 - PROPOSED MAJOR CONTOUR WITH LABELS (0.5m INTERVALS)
 - PROPOSED MINOR CONTOUR WITH LABELS (0.1m INTERVALS)
 - PROPOSED SLOPE ARROW AND GRADIENT
 - × 1.70m PROPOSED SPOT LEVEL
 - PROPOSED MAJOR CONTOUR WITH LABELS (0.5m INTERVALS)

PROPOSED RETAINING WALL
TOTAL LENGTH: 60m
MAX. RETAINED HEIGHT: 1.90m

PROPOSED CIDNEO VEHICLE
RESTRAINT BARRIER.

GENERAL ARRANGEMENT OF RETAINING WALL
SCALE 1:125



TYPICAL SECTION THROUGH MODULAR STONE WALL
SCALE 1:20

TENSAR TW1 WALL SYSTEM. PRE-CAST MODULAR BLOCKS, FLINT COLOUR, FRONT FACE INCLINED AT APPROX. 4°. DESIGN BY TENSAR INSTALLATION STRICTLY IN ACCORDANCE WITH TENSAR'S DETAILS

RETAINED HEIGHT VARIES, REFER TO SECTIONS AND ELEVATIONS DRAWINGS SKETCH 4240241-1102 & 1103

2 Proposed TensarTech System

TensarTech TW1 Wall Reinforced Soil System

The system proposed comprises dry laid segmental concrete blocks connected to Tensar geogrids, which act to reinforce the soil and stabilise the retaining wall. The facing blocks are connected to Tensar uniaxial geogrids by way of a mechanical connector which fits into a recess between the block courses to provide much greater performance than more common frictional connections. This retaining wall system has been certified independently by the British Board of Agrément (BBA) and has been issued with an HAPAS Certificate (Ref: 13/H201).



Fig. 03 - Example photo of completed TensarTech TW1 Wall System

TensarTech TW1 Wall System	
Face Type	TW1 Blocks (Flint Colour)
Face Angle	86°
Reinforcement	Tensar HDPE uniaxial geogrids, positively connected with the modular blocks using HDPE polymer mechanical connectors
Design Life	120 years
Application Suggestion Methodology	Internal stability only in accordance with BS8006-1:2010+A1:2016 (based on the tie-back wedge method) External (including bearing capacity and settlement) & global stability checks to be carried out by the Customer's Geotechnical Engineer.

SUMMARY OF TENSAR SYSTEM & DESIGN PARAMETERS

CI	CONSTRUCTION ISSUE	12.06.26	CDR	JC
TI	TENDER ISSUE	27.05.26	CDR	JC
Rev.	Description	Date	By	Chkd

Glanville
Survey > Plan > Engineer

- Civil Engineering
- Structural Engineering
- Transport Planning
- Highways Engineering
- Building Surveying
- Geomatics

Hertfordshire | Oxfordshire | Cambridgeshire | Bristol

Client:			
Project:	MCDONALD'S RESTAURANT HEADS OF VALLEY ROAD, MERTHYR TYDFIL CF48 2YG (ST2685)		
Title:	RETAINING WALL GENERAL ARRANGEMENT		
Engineer: CDR	Date: MAY 2026		
Director: JC	Scale: AS SHOWN @ A1		
Status:	FOR CONSTRUCTION		
Drawing No.	4240241-1101	Rev	C1