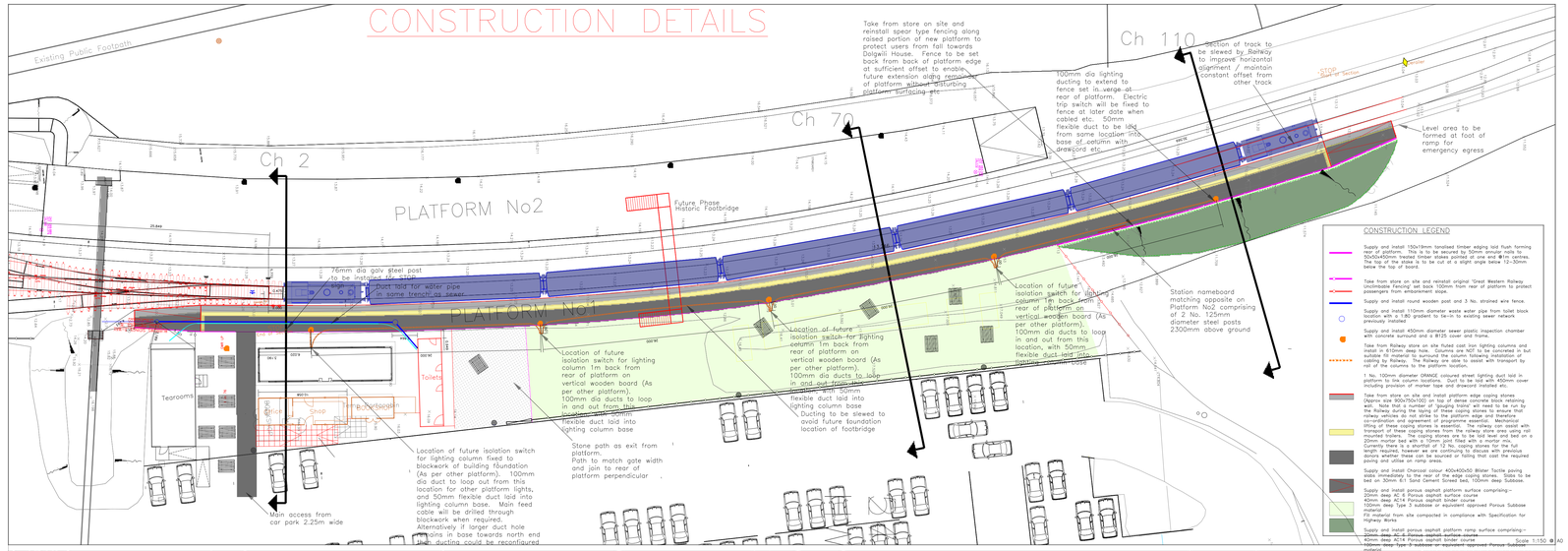
CONSTRUCTION DETAILS

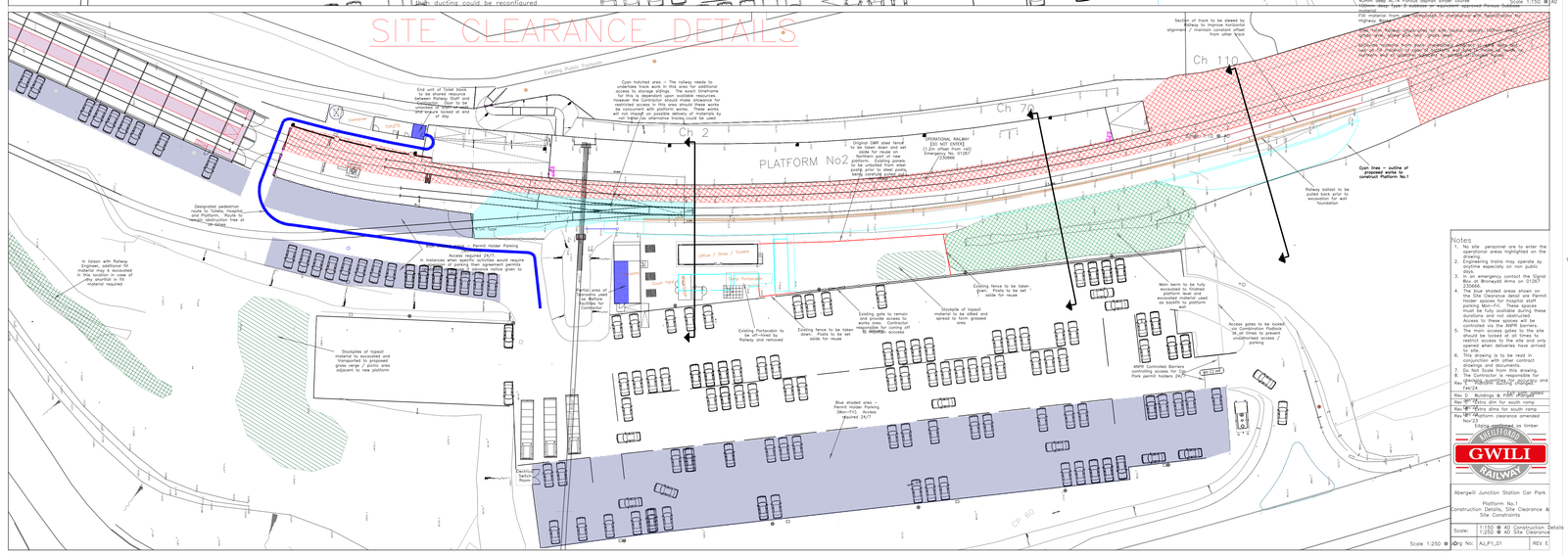


CONSTRUCTION LEGEND

- Supply and install 150x19mm tanalised timber edging laid flush forming rear of platform. This is to be secured by 50mm annular nails to timber backing boards behind timber stakes pointed at one end @1m centres. The top of the stake is to be cut at a slight angle below 12-30mm below the top of board.
- Take from store on site and reinstall original 'Great Western Railway Uncilmbable Fencing' set back 100mm from rear of platform to protect passengers from embankment slope.
- Supply and install round wooden post and 3 No. strained wire fence.
- Supply and install 110mm diameter waste water pipe from toilet block location with a 1:80 gradient to tie-in to existing sewer network previously installed
- Supply and install 450mm diameter sewer plastic inspection chamber with concrete surround and a B125 cover and frame.
- Take from Railway store on site Nuted cast iron lighting columns and install in 450mm dia holes. Columns are NOT to be concreted in but suitable fill material to surround the column following installation of cabling by Railway. The Railway are able to assist with transport by rail of the columns to the platform location.
- 1 No. 100mm diameter ORANGE coloured street lighting duct laid in trench from Platform to footbridge with draw cord and 'Orange' cover including provision of marker tape and drawcord installed etc.
- Take from store on site and install platform edge coping stones (tapered - size 305x750x102) on top of dense concrete base retaining wall. Note that a number of 'grading trains' will need to be run by the Railway during the laying of these coping stones to ensure that railway vehicles do not strike to the platform edge and therefore compromise the platform clearance requirements. Careful handling and lifting of these coping stones is essential. The railway can assist with transport of these coping stones from the railway store area using rail mounted vehicles. Coping stones are to be laid on a 20mm bed on a 10mm mortar bed with a 10mm joint filled with a mortar mix. Currently there is a shortfall of 12 No. coping stones for the full length required, however we are continuing to discuss with previous donors whether these can be sourced or failing that cast the required paving and utilise on ramp areas.
- Supply and install Charcoal colour 400x400x50 Blister Tactile paving to platform edge and ramp as per Network Rail Specification. Tactile to be bed on 30mm thick Sand Cement Screed bed, 100mm deep Subbase.
- Supply and install porous asphalt platform surface comprising:- 20mm deep AC 6 Porous asphalt surface course 40mm deep AC14 Porous asphalt binder course 100mm deep Type 3 subbase or equivalent approved Porous Subbase material
- Fill material from site compacted in compliance with Specification for Highway Works
- Supply and install porous asphalt platform ramp surface comprising:- 20mm deep AC 6 Porous asphalt surface course 40mm deep AC14 Porous asphalt binder course 100mm deep Type 3 subbase or equivalent approved Porous Subbase material

Scale 1:150 @ A0

SITE CLEARANCE DETAILS



Notes

1. No site personnel are to enter the Railway boundary areas highlighted on the drawing.
2. Engineering trains may operate on these lines especially on non public days.
3. In an emergency contact the Signal Box at Bronwydd Arms on 01267 230665
4. The blue shaded areas shown on the Site Clearance detail are Permit Holder spaces for hospital staff and Railway Staff. These spaces must be fully available during these durations and not obstructed.
5. The main access gates to the site should be locked at all times to restrict access to the site and only opened when deliveries have arrived to site.
6. This drawing is to be read in conjunction with all contract drawings and documentation.
7. Do Not Scale from this drawing.
8. The Contractor is responsible for agreeing dimensions for accuracy and fit on site.

If don't agree with these, must make allowance in their quotation / tender for what they think the quantities are.

9. The works are to be undertaken in accordance with the Specification for Highway Works.

Rev	Description
Rev D	Buildings & PAMP added
Rev C	Extra dim for south ramp
Rev B	Extra dims for south ramp
Rev A	Platform clearance amended Nov'24
	Piling changed to timber Feb'24

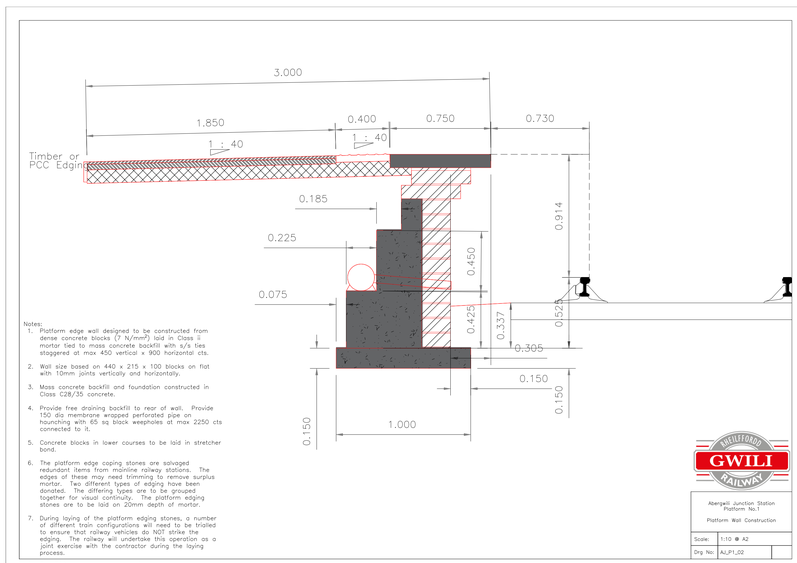
GWILI RAILWAY

Abergwili Junction Station Car Park

Platform No.1
Construction Details, Site Clearance & Site Constraints

Scale:	1:150 @ A0 Construction Details 1:250 @ A0 Site Clearance
Drg No:	AJP1_01
	REV C

Scale 1:250 @ A0



Notes:

1. Platform edge wall designed to be constructed from dense concrete blocks (7 N/mm²) laid in Class ii mortar tied to mass concrete backfill with s/s ties staggered at max 450 vertical x 900 horizontal cts.
2. Wall size based on 440 x 215 x 100 blocks on flat with 10mm joints vertically and horizontally.
3. Mass concrete backfill and foundation constructed in Class C28/35 concrete.
4. Provide free draining backfill to rear of wall. Provide 150 dia membrane wrapped perforated pipe on haunching with 65 sq black weepholes at max 2250 cts connected to it.
5. Concrete blocks in lower courses to be laid in stretcher bond.
6. The platform edge coping stones are salvaged redundant items from mainline railway stations. The edges of these may need trimming to remove surplus mortar. Two different types of edging have been donated. The differing types are to be grouped together for visual continuity. The platform edging stones are to be laid on 20mm depth of mortar.
7. During laying of the platform edging stones, a number of different train configurations will need to be trialled to ensure that railway vehicles do NOT strike the edging. The railway will undertake this operation as a joint exercise with the contractor during the laying process.
8. The 730mm clearance from rail to platform edge and 914 height from rail to finished level of platform are national railway standards and must be achieved. NOTE however that reference must be made to long section as the rail profile is to be amended at some locations along its length

GWILI RAILWAY

Abergwili Junction Station
Platform No.1

Platform Wall Construction

Scale:	1:10 @ A2
Drg No:	AJP1_02