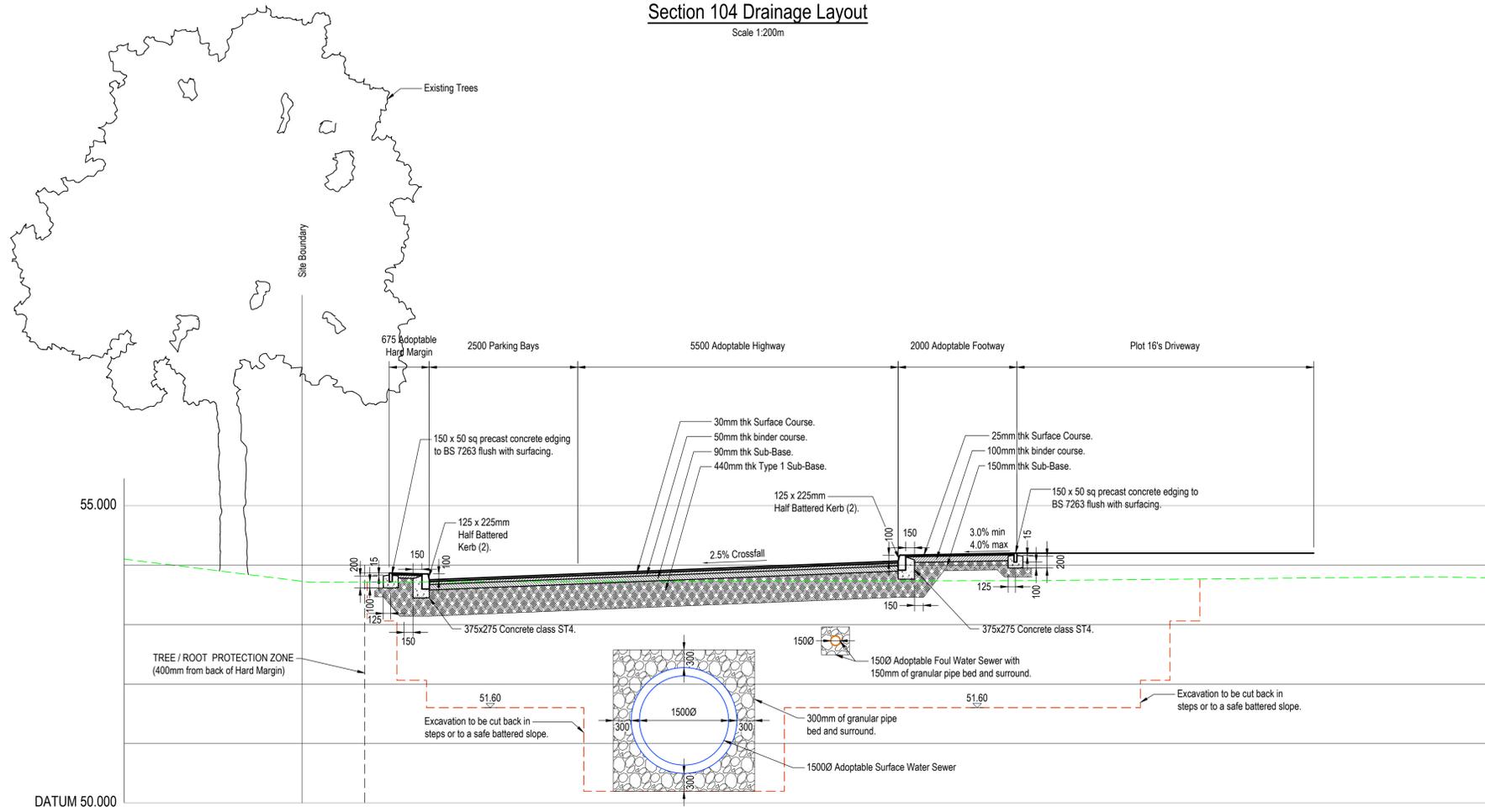


Section 104 Drainage Layout
Scale 1:200m



CHAINAGE	0.000	1.000	2.000	3.000	3.923	4.000	5.000	6.000	7.000	8.000	9.000	10.000	11.000	11.955	12.000	13.000	14.000	15.000	16.000	17.000	18.000	19.000		
PROPOSED ROADS LEVELS					54.285	54.283	54.170	54.173	54.182					54.431	54.433	54.455								
EXISTING LEVEL	53.794	53.713	53.715	53.717	53.720	53.721	53.722	53.724	53.726	53.728	53.730	53.732	53.734	53.736	53.738	53.738	53.745	53.755	53.764	53.773	53.783	53.792	53.801	53.802

SECTION A-A THROUGH INFILLED CANAL, WITH PROPOSED ADOPTABLE HIGHWAY & DRAINAGE INCLUDING PARKING BAYS.
Scale 1:50

- NOTES:**
- The made ground below the road footprint shall be removed to expose the undisturbed natural ground, or to a maximum of 3 m below proposed finished road level if made ground is found to be still present. Any made ground below 3m depth can remain in place.
 - Made ground is to be locally removed to 300 mm below the invert level of the deepest sewer.
 - The southern edge of the road footprint approaches the tree protection zone along the southern boundary. Cut earthworks shall have to be battered or benched accordingly leading from the base of the excavation up to the tree protection zone, at a maximum angle of 45 degrees.
 - The thickness of made ground within the backfilled canal along the road alignment will change. Where, during the progress of the work, the difference in level of removal of unsuitable material down to an acceptable sub grade between adjacent areas of filling exceeds 600 mm, the Contractor shall cut into the edge of the remaining made ground to form benches having a minimum width of 600 mm and a height equivalent to the depth of a layer of compacted fill. The Contractor shall spread and compact new fill to ensure a benched arrangement is implemented against the made ground that remains.
 - Groundwater is likely to be encountered at about 2.5 m depth. Groundwater control measures are therefore expected to be required.
 - A geotextile separator (Terram T1000 or similar approved) shall be placed on the exposed subgrade, to provide a dry, stable deposition surface for the capping, prevent stone loss into the soft sub grade as it is placed and to prevent fines from the cohesive sub grade below migrating up into the capping, which would degrade and weaken it.
 - Capping shall comply with a 6F2 or 6F5 fill, tested and classified in accordance with the 'Specification for Highways Works' (SHW), Series 600 'Earthworks'
 - Sub base shall comply with a Type 1 fill, tested and classified in accordance with the 'Specification for Highways Works' (SHW), Series 800 'Road Pavements'
 - All capping and sub-base materials to comprise a durable aggregate. Mudstone, shale or slate (i.e. argillaceous materials) is not permitted. Recycled aggregate is permitted, subject to approval.
 - Capping and sub base materials shall be placed and compacted to a Method Specification, in accordance with the relevant sub-clauses in Clause 612 of the SHW, Series 600 and Clause 802, Series 800, respectively.
 - Plate load tests shall be carried out on the thickened capping at 1 m lifts and at 25 m linear intervals. A 600 mm diameter plate shall be used. A CBR of at least 10% shall be achieved on the 6F2/6F5 capping.
 - For the Type 1 sub-base, plate load tests shall be undertaken on the finished surface at 25 m intervals. A 450 mm diameter plate shall be used. A CBR of at least 30% shall be achieved on the Type 1 sub-base.

- KEY:**
- Existing Ground Profile
 - Indicative Excavation Benching Extents

P03	Revised to suit new site layout.	JR	CH	12.05.2025
P02	Excavation extents amended to suite road settlement Calc	JR	RW	29.04.2025
P01	First issue.	JR	RW	03.04.2025
REV	DESCRIPTION	SIG	CHK	DATE

HOOBER HOMES

WEST STREET, WORSBROUGH, BARNSLAY

SECTION THROUGH INFILLED CANAL, WITH PROPOSED ADOPTABLE HIGHWAY INCLUDING PARKING BAYS.

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ECE PROJECT No	SCALE AT A1	STATUS	SUITABLE FOR
48404	As Stated	S0	Initial
DRAWING NUMBER			
48404 - ECE - XX - XX - DR - C - 0080	REV		
Project	Originator	Zone	Level
			Type
			Role
			Number