Key (Pavement and Kerbs)

Pavement and Kerbs

Full depth bituminous construction (flexible) where existing surface has been disturbed / removed. Also applicable to isolated areas that require reinstatement as a result of temporary accommodation reinstatement and hard / soft landscaping works.

New planting bed.
Refer landscape architects planting plan for details.

HB2 — Precast concrete half battered kerb to BS EN1340 Type HB2 (125mm upstand unless stated otherwise). Refer to West Sussex County Council drawing S278/38/01 for detail.

DK — Precast concrete dropper kerb to BS EN1340 Type DL1/DR1 (BN3 to HB2).

QHB — Precast concrete quadrant kerb (0.305x255) to BS EN1340.

Drainage

MD100 — New ACO MD100 linear drainage to BS EN 1433: 2002.
All channels to have lockable Heelguard D400 (ductile iron) grating. Constant fall units. Arrow indicates direction of flow. Refer to manufacturer website for details.

O1 — New ACO MD100 sump unit,150mmØ connection, to BS EN 1433 : 2002.
Refer to manufacturer website for details.

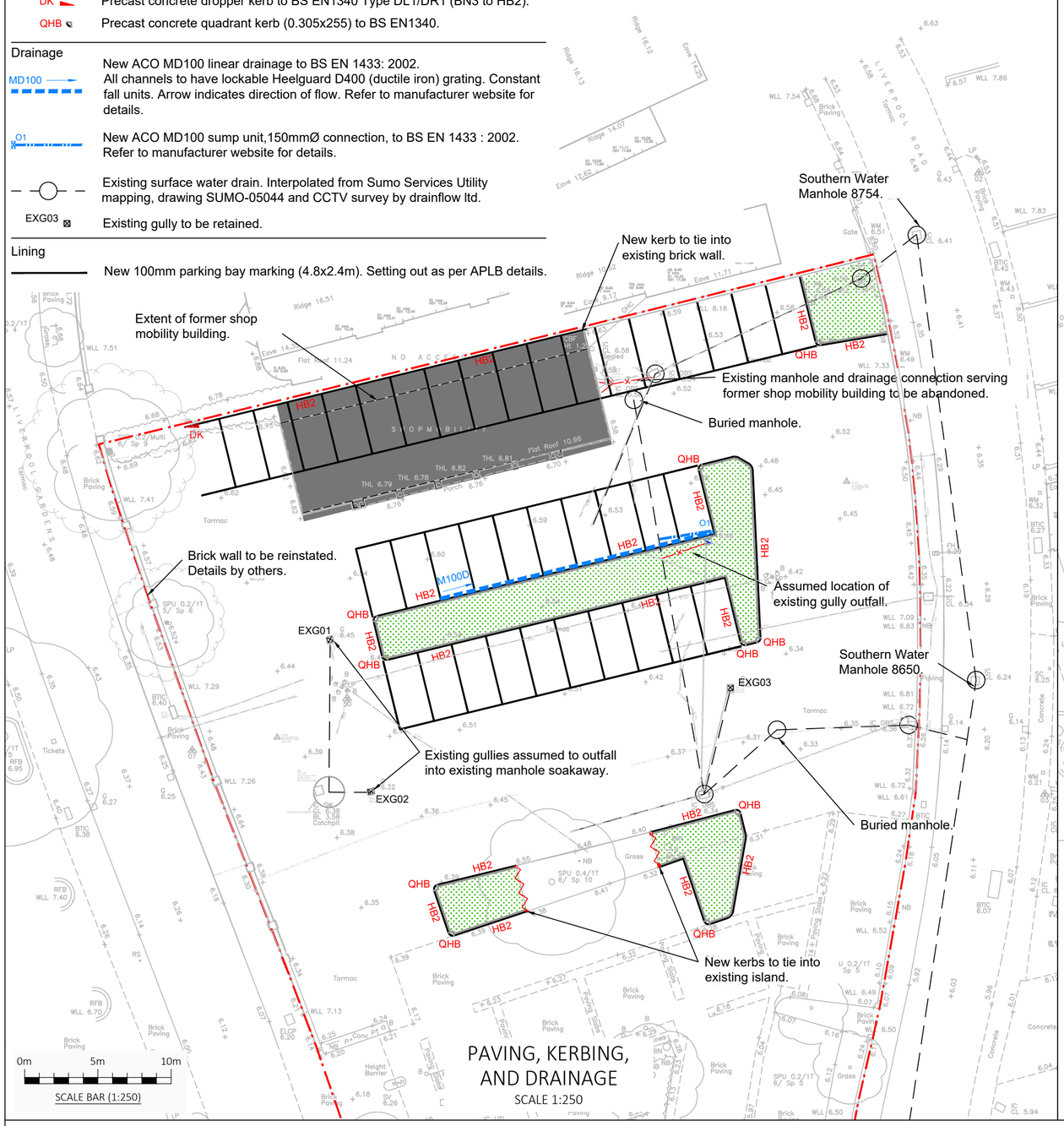
Existing surface water drain. Interpolated from Sumo Services Utility mapping, drawing SUMO-05044 and CCTV survey by drainflow ltd.

EXG03 — Existing gully to be retained.

Lining

New 100mm parking bay marking (4.8x2.4m). Setting out as per APLB details.

OS NORTH



PAVING, KERBING, AND DRAINAGE
SCALE 1:250

Key (Site Clearance)

Existing bitumen pavement and sub base to be removed to 300mm depth in planted bed. Remaining sub base punctured at 1.0m centers to allow for drainage. Additional excavation required for tree pits. Refer to landscape architects details.

Existing kerbs to be broken out and removed to licensed tip.

Existing surface water drain to be abandoned.

Existing markings to be removed by Hydroblasting lining removal or similar method.

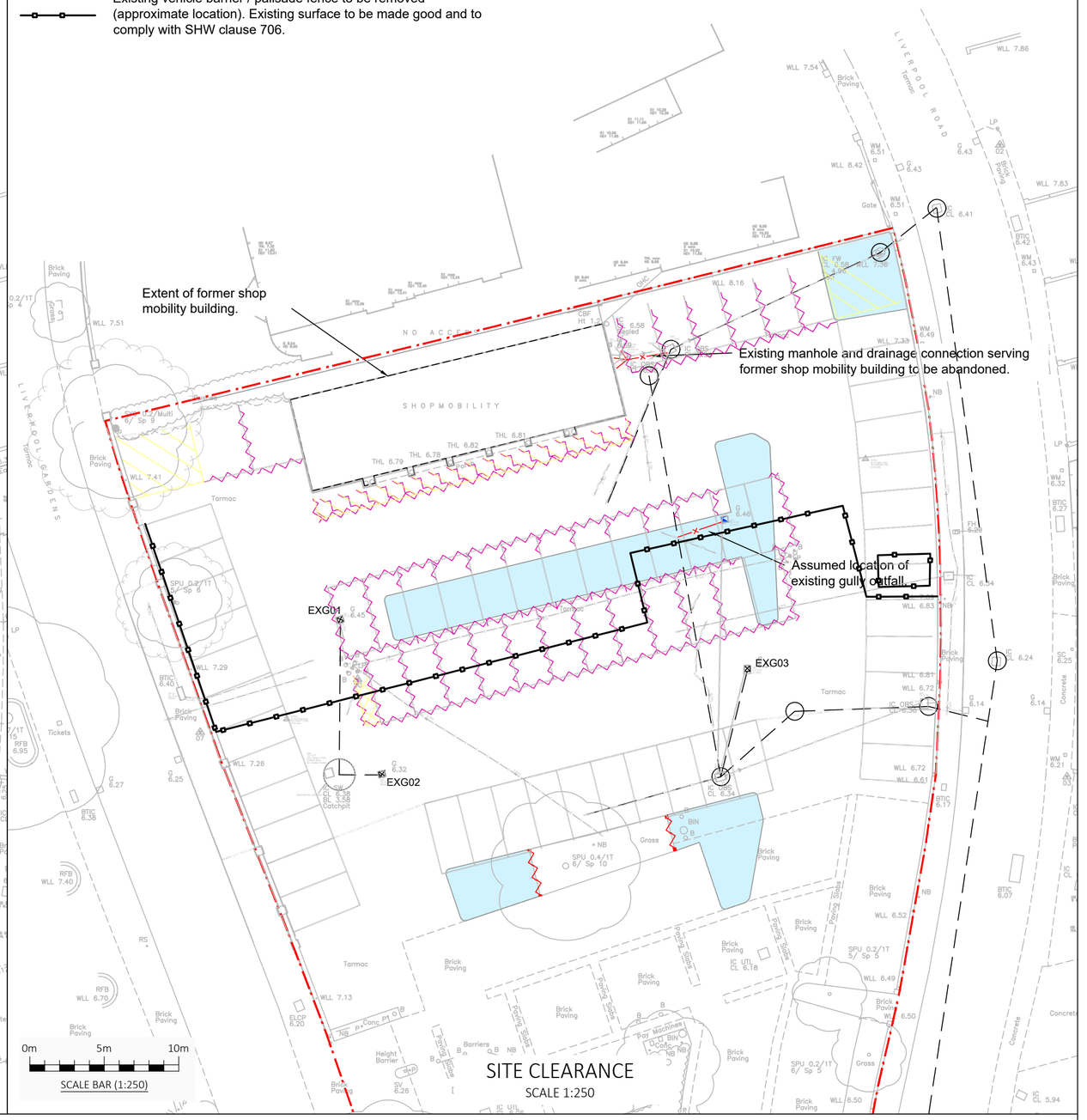
Existing gully pot to be removed and tail to be grouted up.

Existing surface water drain. Retained, unaffected by works.

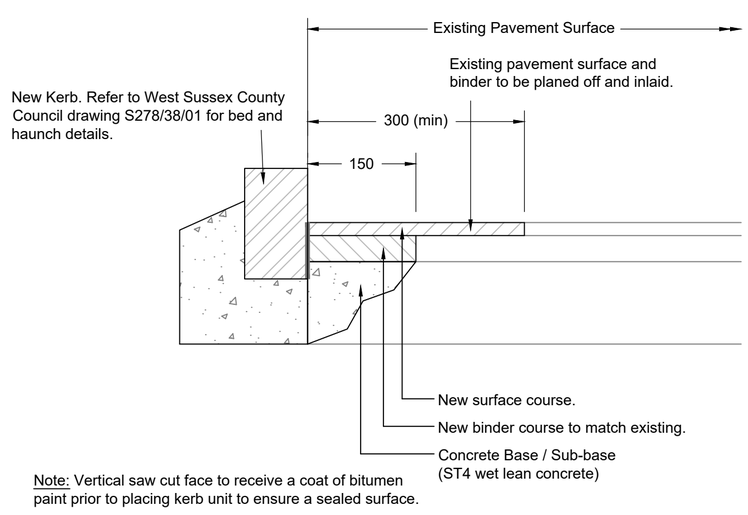
EXG03 — Existing gully. Retained, unaffected by works.

Existing vehicle barrier / palisade fence to be removed (approximate location). Existing surface to be made good and to comply with SHW clause 706.

OS NORTH

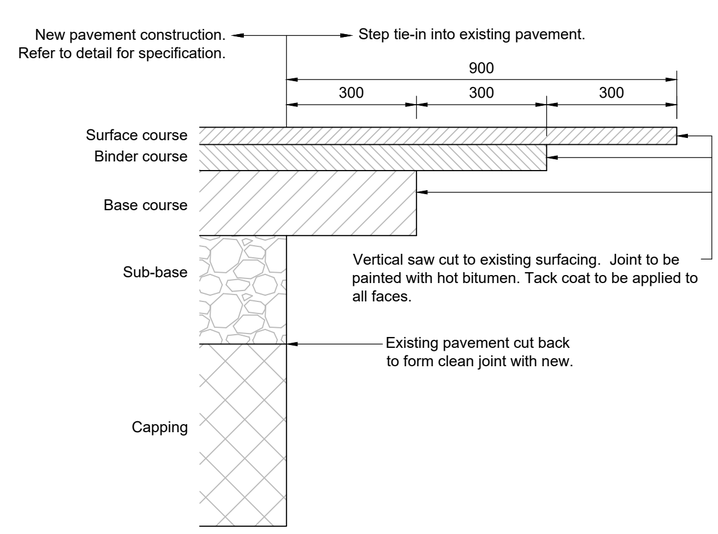


SITE CLEARANCE
SCALE 1:250



Note: Vertical saw cut face to receive a coat of bitumen paint prior to placing kerb unit to ensure a sealed surface.

NEW KERB LAID IN EXISTING PAVEMENT
SCALE 1:10



TIE IN DETAIL
SCALE 1:10



BITUMINOUS CONSTRUCTION
SCALE 1:10

Table 1 - Minimum sub-base thickness for paved areas

CBR values	Minimum thickness (mm) of sub-base(1) (consolidated in accordance with MCHW Volume 1 clause 801, table 8/4)
Less than 2%	Subgrade requires improvement(2)
2-3%	325
3-5%	250
5-7%	150
7-20%	100

Note:
1. Minimum thickness of sub-base may be considered for reduction when using proprietary geogrid, provided they can be adequately justified by an Engineer in accordance with the Technical requirement R5.
2. Specialist advice should be sort to improve the subgrade.

Notes:

1. Topographical survey taken from Digital Terrain Surveys LLP drawing number DTS231020-46C, dated October 2020 .
2. Development planning ref AWDM/2134/20, Worthing Borough Council.
3. The contractor is to determine the location and status of any utility apparatus prior to the commencement of any works.
4. All materials to be laid in accordance with manufacturer's instructions.
5. Contractor must comply with the NRSWA 1991 for traffic management and for any road works within the highway. West Sussex streetworks department should be consulted for details of restricted working times/periods, this may be in addition to any Restrictions stated in planning conditions.

Paving and kerbing notes:

6. Asphalt concrete mixes for paving shall be generally in compliance with BS EN 13108-1 and the guidance provided in PD 6691, and shall be transported, laid and compacted in accordance with BS 594987.
7. All new kerbing to tie into existing as appropriate, being laid to match existing kerb upstands at tie-ins.
9. Bond coat for asphalt patch repairs shall comply with the requirements of BS 594987: 2015, Clause 5.5.
10. Bituminous mixtures to be transported, laid, compacted and tested in accordance with BS 594987: 2015, subject to amendments and supplementary requirements.

Drainage:

11. To be read in conjunction with specification for highway works (SHW) series 500 drainage and service ducts.

Marking notes:

7. All road markings to be in accordance with 'traffic signs regulations and general directions 2016' and the 'traffic sign manuals chapters 1 to 8'.
8. All white road markings to be reflectorised thermoplastic screed unless otherwise stated.

Operation and Maintenance

1. Surface water run off for the new extended area of hardstand will drain into the existing surface water drainage system serving the car park. The total impermeable area for the car park is reduced by 155m² following the introduction of soft landscaping, creating a betterment to the existing drainage system.
2. A new linear drainage channel has been provided to intercept surface water runoff as a result of the introduction of kerb upstands at the new landscaped islands. No modification to the wider existing drainage network has been proposed.

Regular Maintenance:

3. Drainage channels are to be maintained in accordance with the existing council maintenance regime. It is advised channels are inspected and cleaned at least once every 1-2 years. Detritus such as soil, leaves, litter, and other debris are to be removed form the sump / silt trap. Downstream pipe work is to be jetted clean to ensure any blockages are cleared. Refer to channel manufacturers maintenance guide.

Remedial Maintenance:

4. In the event a blockage is identified or reported the maintenance regime produced outlined in item 3. is to be followed.
5. Drainage designs are developed on the basis of a minimum design lifetime of 60 years, as per DMRB CG501. Drainage channels are likely to far exceed this minimum. In the event of structural damage to the drainage channel cover, replacement is required.

REVISIONS

Rev	Date	Description	By	Ckd	App
P04	14/08/24	Connection of the existing surface water drain to Southern Water sewer shown on drawing.	RAP	RJP	RAP
P03	08/05/24	Updates following comments. Pavement tie in detail added to drawing. Minor updates to notes and key.	RAP	JD	RAP
P02	26/04/24	Drawing update to include car park spot levels from survey. G02 remove. G01 replaced with LDC.	RAP	SW	RAP
P01	19/04/24	First Issue.	RAP	SW	RAP

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CLIENT
GALLIFORD TRY SOUTHERN

PROJECT
WORTHING INTEGRATED CARE CENTER

TITLE
LIVERPOOL GARDENS
CAR PARK PAVEMENT REINSTATEMENT

HYDROCK PROJECT NO.
29575-HIGH

SCALE @ A1
AS SHOWN

STATUS DESCRIPTION
APPROVAL

STATUS
A5

DRAWING NO. (PROJECT CODE-ORGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)
WICC-HYD-XX-XX-DR-D-0300

REVISION
P04