THE RESIN & RENOVATION COMPANY

CAR PARK CONCEPT DESIGN

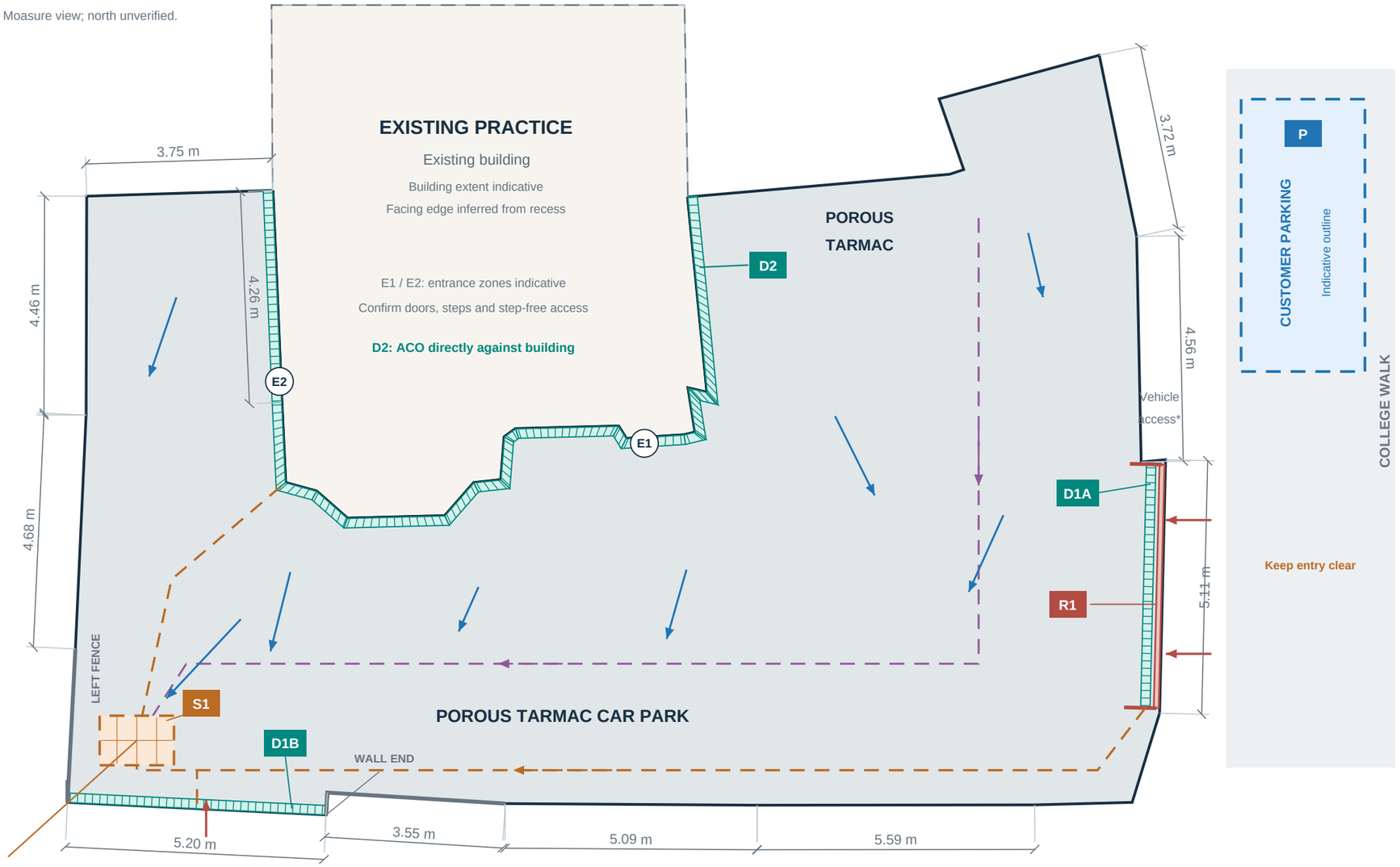
Commercial car park | Proposed surfacing and drainage arrangement

CLIENT CONCEPT | P06

NOT FOR CONSTRUCTION

01 FINISHED CAR PARK CONCEPT

Moasure view; north unverified.



S1: on-site soakaway at lower-left entry

Expected low area; footprint and levels indicative

Porous pavement

New ACO channels

Proposed surface fall

Sealed pipe - route TBC

Underdrain - route TBC

Temporary access: see sheet 03

* Reference dimensions / access positions only. Do not scale or use for quantities.

01 Design intent

Reduce runoff reaching the practice using porous surfacing, ACO interception and raised entrance R1. Its crest and edgings form a physical check against incoming water in severe weather.

02 D1A / D1B - both entrances

D1A moves towards College Walk, inside raised entry R1 and its edgings. D1B remains a lateral run across the lower-left entrance from the left fence to the wall end. See sheet 06 for R1.

03 D2 - property protection

ACO channel directly against the building, following the frontage. Independent of temporary customer access. Coordinate installation with thresholds, steps and DPC clearances; connect to the sealed drainage system.

04 S1 - on-site entrance soakaway

S1 is within the lower-left entrance, where the fall is expected. Sealed drainage connects via suitable silt control. Footprint is indicative; verify levels, infiltration, capacity, groundwater and building / road clearances.

05 Reported measurement

Moasure 2D area: 228.00 m2. Perimeter: 85.18 m. Closure error: 1.5%. Geometry is a screenshot trace, uniformly calibrated to reported area; not coordinate survey data.

06 Temporary access clarification

The temporary walkway runs directly from the College Walk car park entry to the front door only. See sheet 03. College Walk parking is outlined schematically; confirm permitted spaces and keep the entrance clear.

PROJECT	DRAWING	DATE / SCALE	REV / SHEET
Porous tarmac car park + ACO drainage	**TRRC-OD-01**	**23 OCT 2026 / NTS**	**P06 / 1 OF 6**

THE RESIN & RENOVATION COMPANY

CAR PARK CONCEPT DESIGN

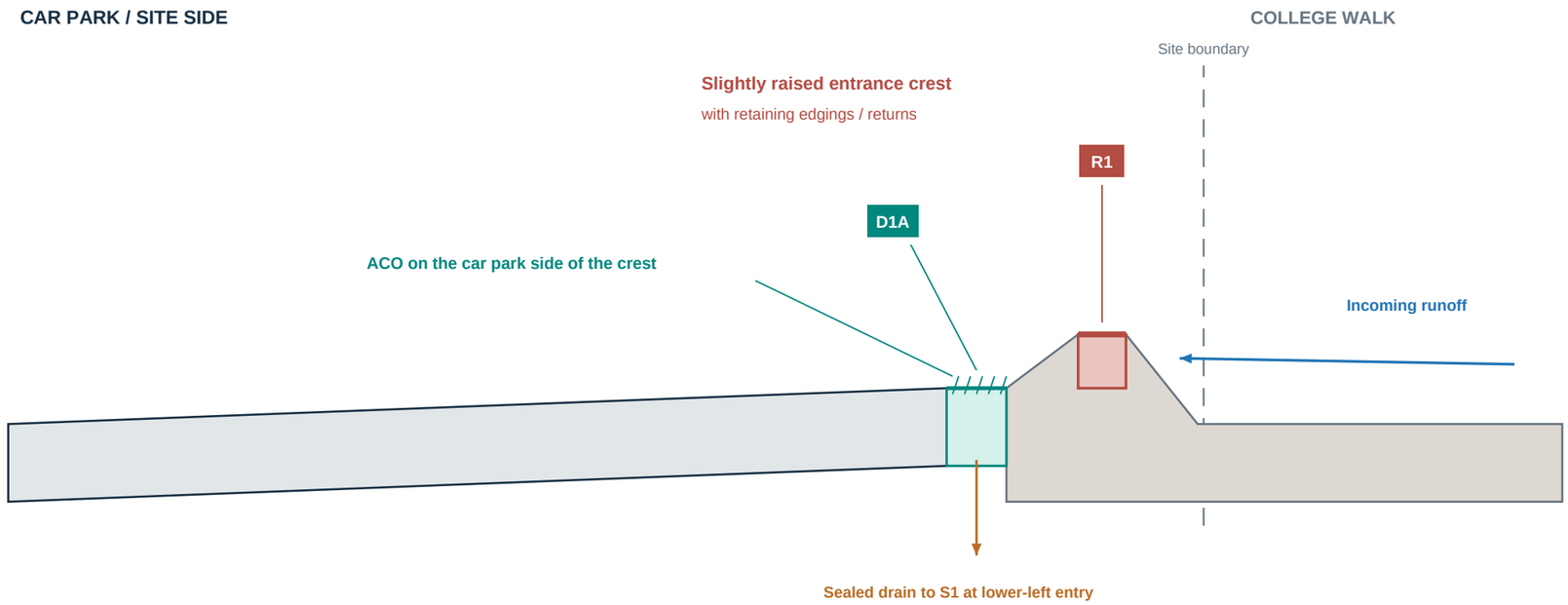
College Walk entrance | raised crest, edging returns and relocated ACO channel

CLIENT CONCEPT | P06

NOT FOR CONSTRUCTION

06 RAISED ENTRANCE - SCHEMATIC SECTION

Viewed across the entrance towards College Walk. Vertical scale exaggerated; no construction levels specified.



PURPOSE

The raised entry and continuous edging returns provide a physical check to reduce water entering from College Walk during severe weather. D1A sits immediately inside the crest to collect water reaching the site side.

LEVELS AND ACCESS

Agree the amount of raise after a level survey. Form suitable vehicle and pedestrian transitions, retain a usable front-door route during the works, and direct any water exceeding the crest or channel capacity along a verified safe route.

This detail shows design intent; it is not a certified flood barrier or a specified kerb / channel construction detail.

01 R1 - physical runoff check

Slightly raise the College Walk entrance. Use edgings and returns to retain the crest and reduce low gaps where water could bypass it. Final crest levels and construction require setting out.

02 D1A - nearer College Walk

The right-hand ACO is moved towards the site boundary, with its full width remaining inside the site. Set it on the car park side of the raised entry crest and connect it to S1.

03 Maintain usable access

Coordinate ramps / transitions with vehicle clearance and customer mobility needs. The temporary walkway crosses this entrance, so phase the works and maintain safe access to the front door.

04 Manage severe rainfall

The barrier aims to reduce ingress, but water can exceed the crest or drainage capacity. Verify levels, channel capacity and a safe exceedance route without directing runoff towards the practice.

05 S1 stays within the site

S1 is the proposed soakaway at the lower-left entrance and expected low point. Confirm ground suitability, clearances and storage design; the symbol on sheet 01 is not a sized excavation.

PROJECT	DRAWING	DATE / SCALE	REV / SHEET
Porous tarmac car park + ACO drainage	TRRC-OD-06	23 OCT 2026 / NTS	P06 / 6 OF 6