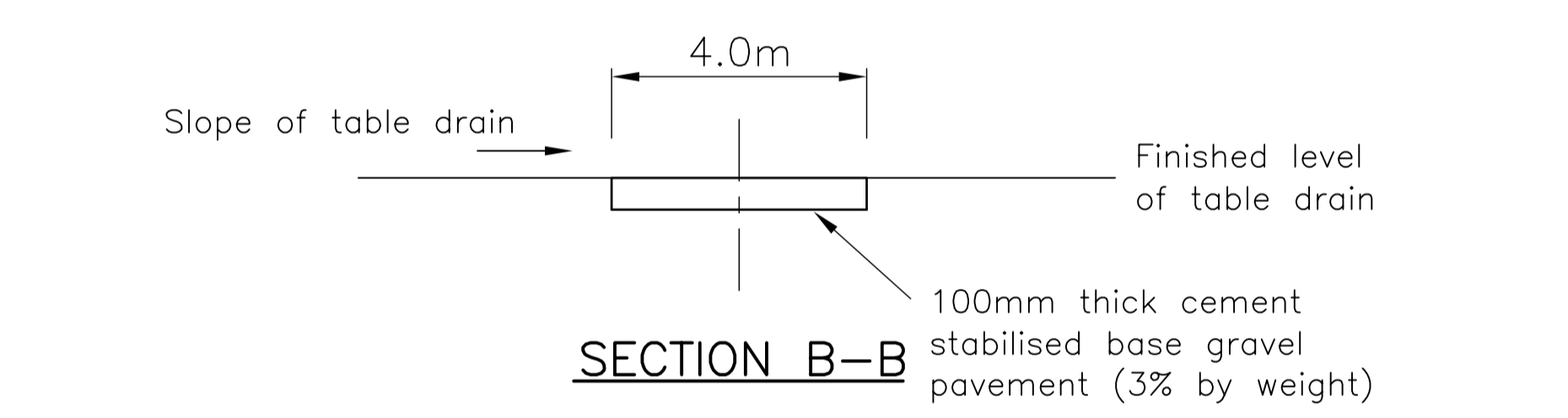
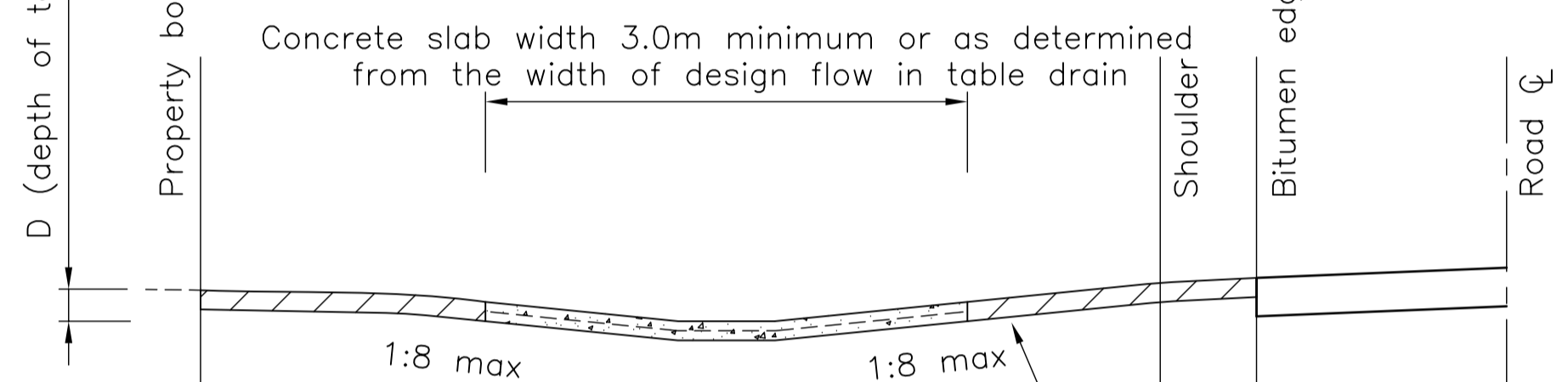
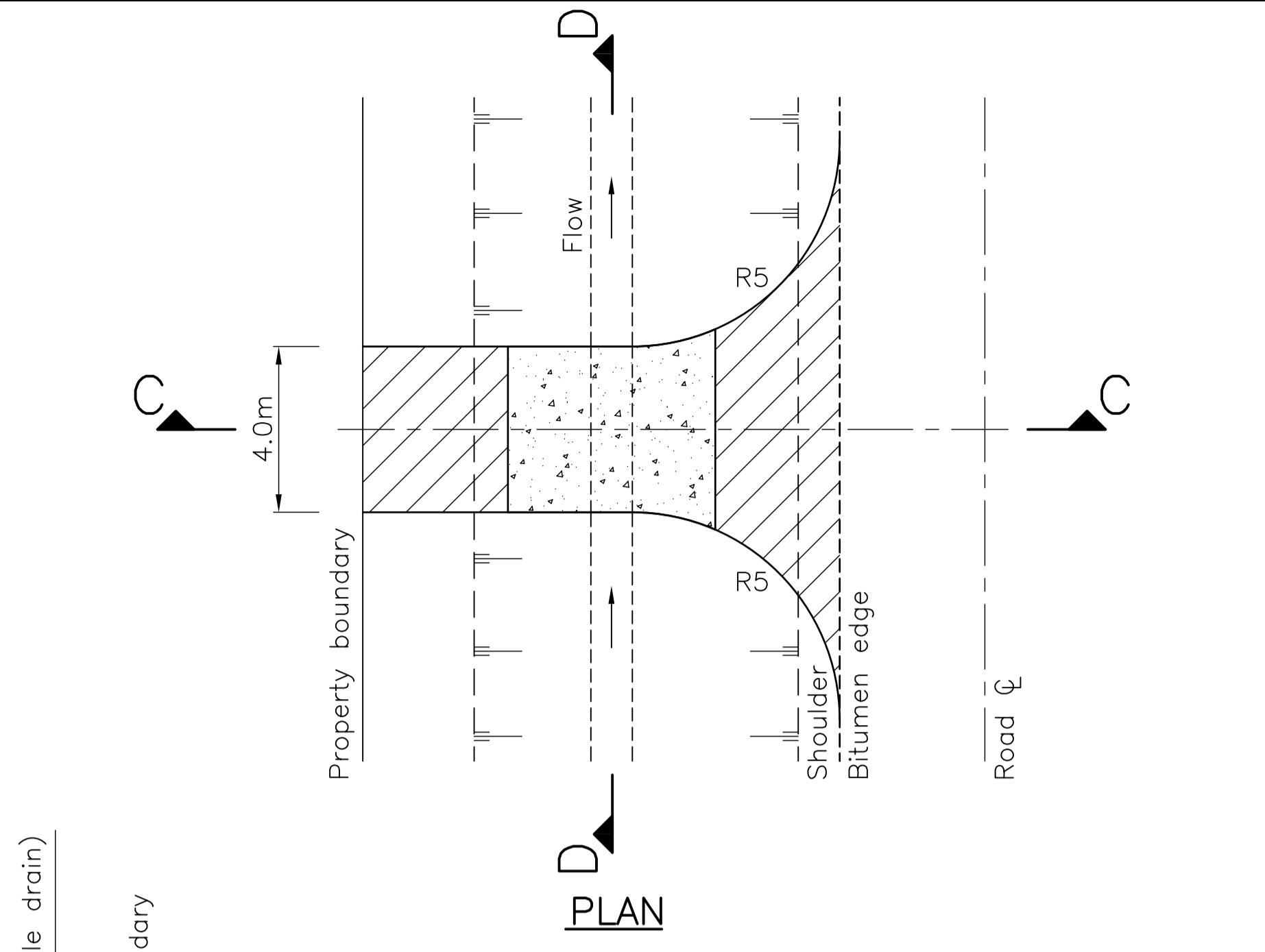


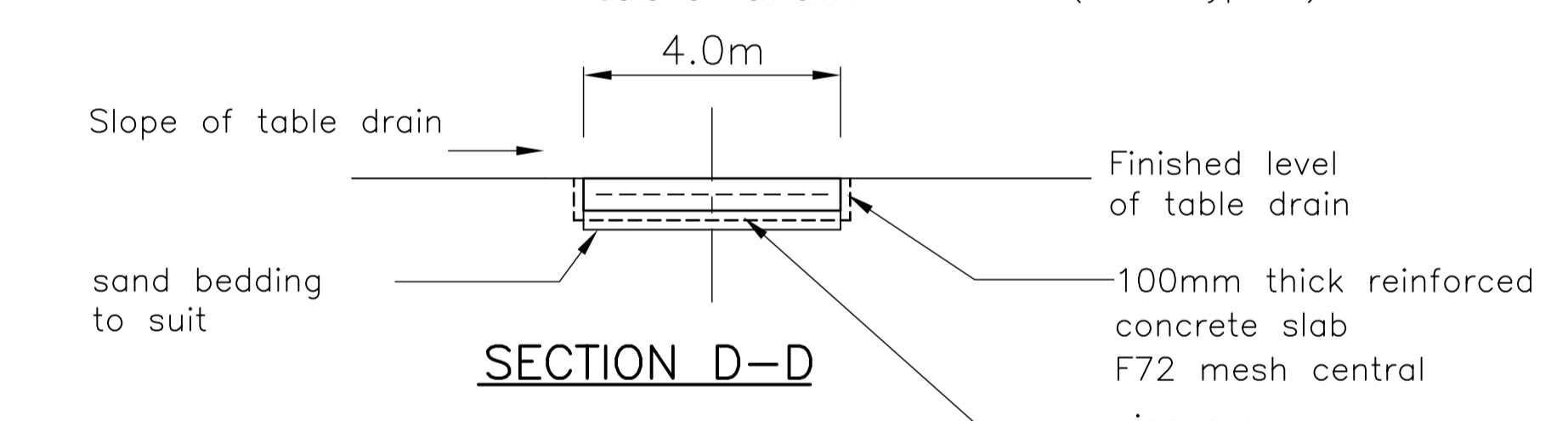
SECTION A-A
Profile to match existing table drain



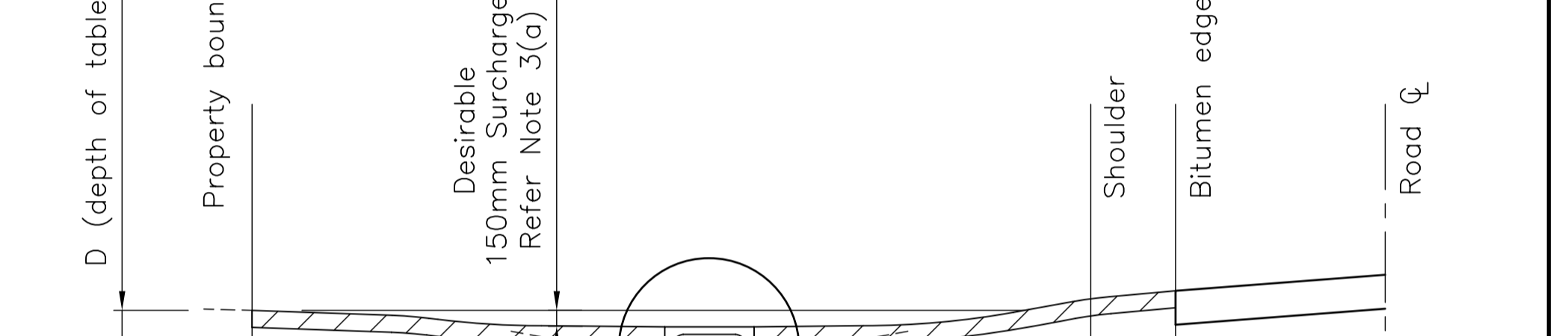
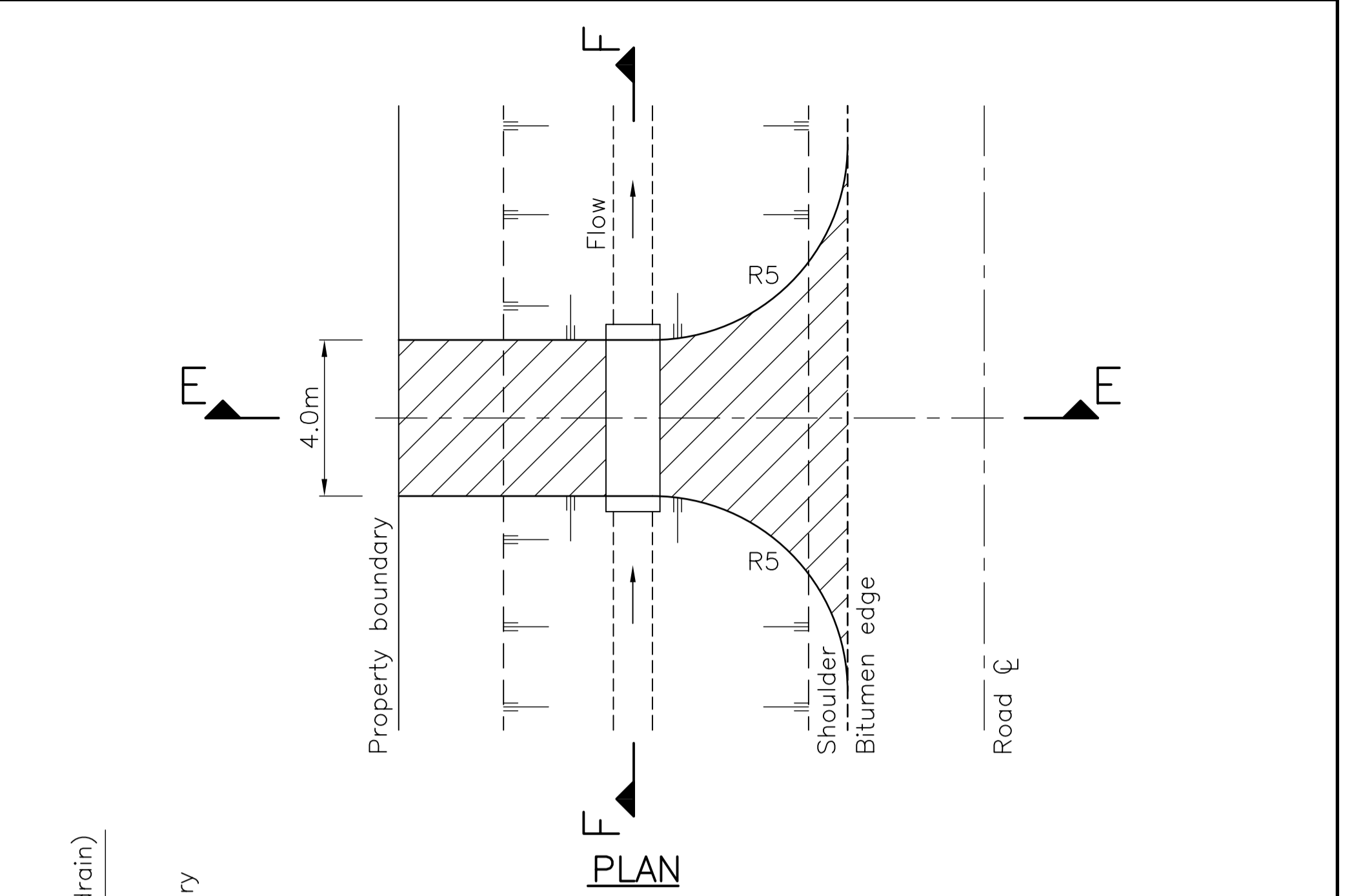
SECTION B-B
TYPE 1
CEMENT STABILISED GRAVEL ACCESS
D < 450mm



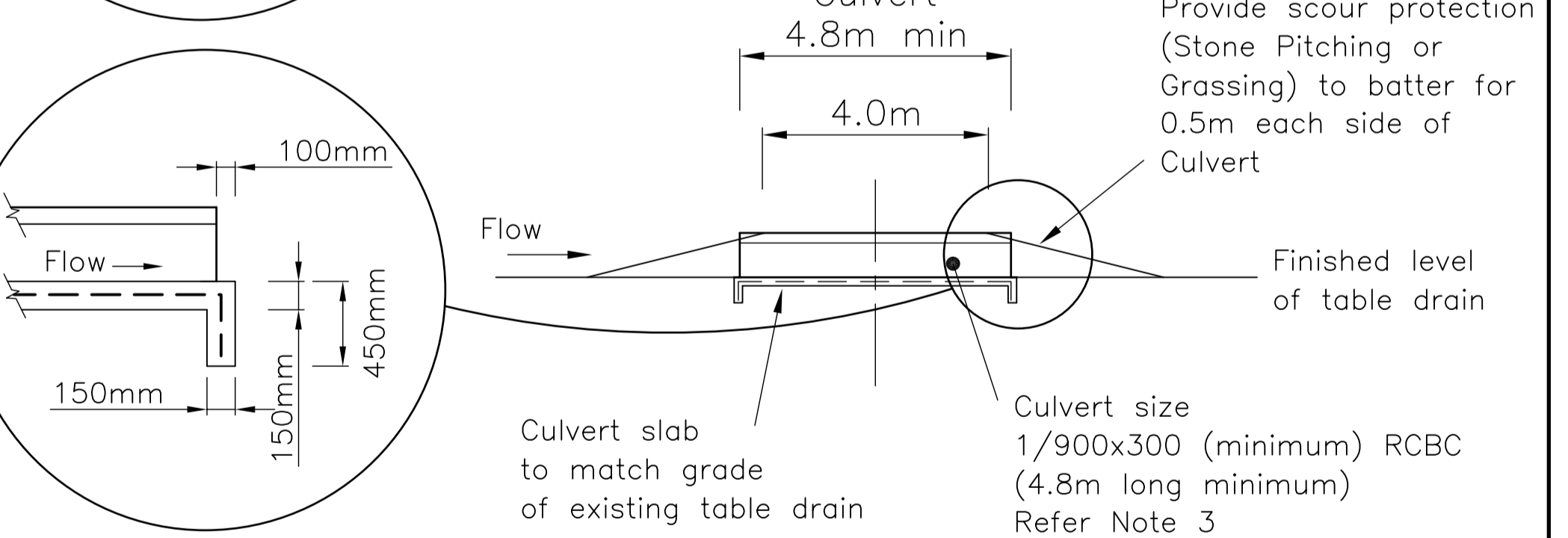
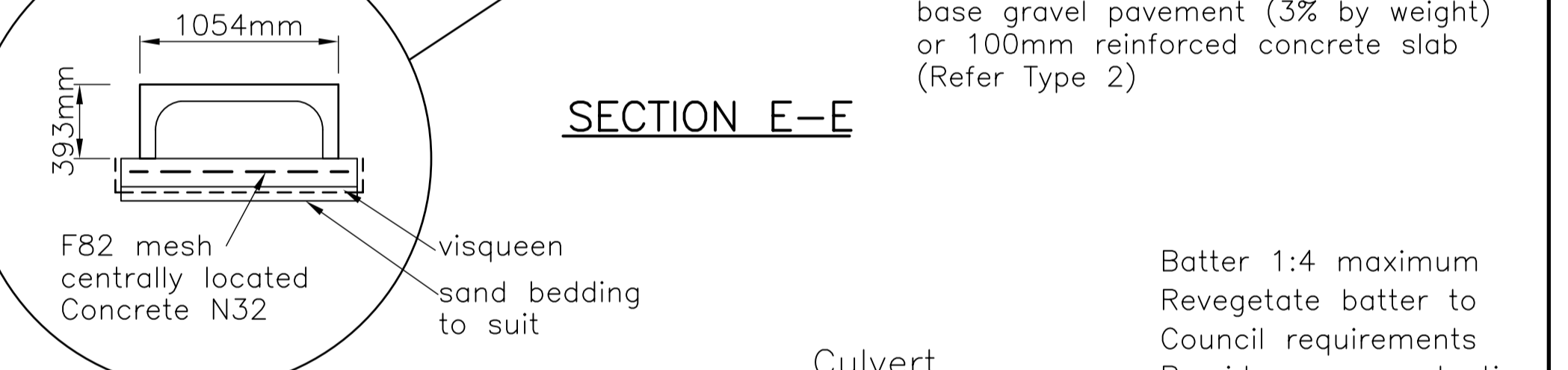
SECTION C-C
Profile to match existing table drain



SECTION D-D
TYPE 2
CEMENT STABILISED GRAVEL ACCESS
WITH CONCRETE SLAB
D < 450mm



SECTION E-E
Desirable 150mm Surcharge Refer Note 3(a)



SECTION F-F
TYPE 3
ACCESS WITH CULVERT
REINFORCED CONCRETE BOX CULVERT (RCBC)

- Notes:**
- Final location of access to be approved by the Director, Infrastructure Services.
 - Accesses may be sealed with bitumen or asphalt surfacing (4.0m). Spray rates and asphalt thickness as recommended by the Bitumen/Asphalt supplier.
 - A reinforced concrete box culvert may be installed under the proposed access where D > 450mm and provided that the following requirements are complied with:
 - The available depth of the table drain is sufficient to ensure 150mm desirable (130mm minimum) below the level at the property boundary or the edge of the bitumen roadway, whichever is lower.
 - The top surface of the box culvert may be level with the finished surface of the access.
 - For cast insitu culvert alternative, refer to drawing 10096. Where the table drain depth is 450mm or greater, a cast insitu culvert alternative as detailed on drawing 10096 is acceptable. (where D = 450mm, surcharge will be 130mm)

- Reinforced concrete pipes may be used in lieu of a box culvert provided condition 3(a) is satisfied. The pipe shall have a minimum diameter of 375mm (refer note 3(d) below) and have a minimum cover above the pipe to the recommendations of their pipe manufacturer.
- The size and number of culverts shall be subject to final approval of the Director, Infrastructure Services. The culverts shall be designed for a ten(10) year ARI storm allowing for surcharge over the access. The surcharge shall not enter onto the roadway or the adjacent property.
- An alternative size box culvert maybe used subject to approval from the Director, Infrastructure Services.
- An application to carry out work in the road reserve shall be lodged with the Council. Council approval is required prior to any construction.
- Locations of existing underground services are to be confirmed by the relevant authorities prior to any construction.
- Where existing ground conditions appear highly plastic and high shrinkage, it is recommended to use a 150mm thick slab or seek advice from a Consulting Engineer

NOTES : Not to Scale
Supersedes TR7D and 10012G

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DRAWN: NRM	Engineer Approved: Original signed by B.Sue	Date: 28/2/06
CHECKED: WJP	Director Approved:	Date:

**CONSTRUCTED ACCESSES TO
PARK RESIDENTIAL AND RURAL PROPERTIES**

STANDARD DRAWING ROADWORKS	
10095	
A	B C

No.	DATE	DESCRIPTION	AP'D
C	21/2/2006	Amend Type 2 & 3 details	
B	25/11/2003	Amend Gravel Access with Culvert Type 3 detail and notes	
A	29/3/2000	ORIGINAL ISSUE	
		REVISIONS	