

公用道路上車輛進出口通道的設計及建造事宜

一般而言，批地契約如訂明地盤可設置車輛出入口，發展商便要按照契約條件建造車輛的進出口通道。為簡化新契約的批約條件，現建議把契約內建造車輛進出口通道的特別條件，改以“自行核證制度”代替。

2. 本作業備考旨在為車輛進出口通道的設計及建造標準提供指引，並就擬議的“自行認證制度”提供意見。

設計及建造標準

3. 毗連車輛進出口通道的行人徑路面若用混凝土建造，則該通道亦須用混凝土建造。

4. 毗連車輛進出口通道的行人徑路面若用塊狀物料鋪設，則該通道亦須用塊狀物料鋪設。在這情況下，便須確保進出口通道與毗連行人徑所用的塊狀物料，在視覺或圖案上形成對比。此外，更須確保進出口通道的設計及建造得宜，使交通安全得以保障，以及方便車輛和行人通過。

5. 車輛進出口通道的設計及建造標準，必須符合附錄A（只有英文版本）所載的規格和準則。有關標準圖則的最新資料，會上載路政署網頁(<http://www.hyd.gov.hk>)。在進出口通道的建造工程完成後，認可人士須確保毗連的行人徑或行人道的路面恢復原狀。

行人道路面損壞

6. 為免損壞車輛進出口通道附近的行人道路面，建議有關工程採用鋸截方式進行。

7. 車輛進出口通道範圍外的行人道路面一旦因工程而受到損壞，承建商/認可人士須向路政署申請另一份挖掘准許證，把受損的地方修葺，並使之恢復原狀。

車輛進出口通道的建造程序

8. 認可人士須聯絡有關當局，以核實擬建通道的地底是否敷設了公用服務設施，以確保建造工程不會對這些設施造成不良影響。

爲此，認可人士須聯絡有關的公用服務機構，以便在需要時把設施的線路改道。有關通道的設計細則，更應併入總建築圖則內，以便交路政署傳閱及提供意見。認可人士須就公用服務設施的改道事宜早作安排，亦須就指定工程向路政署申請所需的挖掘准許證。進出口通道如在提交佔用許可證申請前已經建成，便應向屋宇署遞交附錄B（只有英文版本）所載的“車輛進出口通道竣工證明書”。認可人士宜早於申請佔用許可證之前，完成有關通道的建造工程及核證工作。

由認可人士監督遞交的“車輛進出口通道竣工證明書”

9. 在收到“車輛進出口通道竣工證明書”或佔用許可證的申請後，屋宇署會通知路政署，以便該署安排驗收通道的事宜。如發現任何欠妥之處，路政署會通知屋宇署，再由屋宇署通知認可人士以進行糾正工程。路政署如發現欠妥之處而表示反對接納工程，可作為當局根據《建築物條例》第21(6)(a)條拒絕發給佔用許可證的理據。

路政署承辦工程

10. 在一些情況下，路政署如同意代業主建造車輛進出口通道，認可人士須向屋宇署提交有關的委託信連同繳款單收據副本，以示已支付所需的費用。屋宇署會在收到有關資料及得悉臨時進出口通道已建成，並在該臨時通道不會危害公眾安全或妨礙車輛或行人使用的前提下，先行處理佔用許可證的申請事宜，無須等待永久通道的工程竣工。

11. 在“方便營商計劃”下，當局鼓勵認可人士靈活運用資源建造永久的車輛進出口通道，以配合他們緊迫的工作時間表。路政署表示，該署的資源緊絀，未必再可為認可人士承辦這類工程。

12. 本作業備考將於二零零七年一月一日起實施。

13. 認可人士及註冊結構工程師已獲發一份內容相若的作業備考。

建築事務監督張孝威

檔號： BD GR/1-55/3/0

初版： 2006年9月（助理署長/拓展1）

編入索引：車輛進出口通道
入口通道
出口通道

Standard of Design and Construction of Vehicular Run-in and Run-out

1. The following design and construction standard requirements are acceptable to the Highways Department (HyD).
2. General Specification for Civil Engineering Works (GS) published by the Government of the HKSAR, in particular Section 9 on carriageways: sub-base material and bituminous materials, Section 10 on concrete carriageways, and Section 11, Parts 5 to 7 on construction of footways and paved areas; and any relevant corrigendum as may be issued from time to time.

Concrete Run-in and Run-out

3. The latest version of HyD's Standard Drawings, in particular drawing nos. H1113, H1114, H1115 and H1116 (Annex 1).
4. Specification Clauses 6.68, 9.44 and 16.58-16.62 of GS.

Paver Blocks Run-in and Run-out

5. The latest version of HyD's Standard Drawings, in particular drawing nos. H1103, H5101, H5102, H5114, H5115 and H5116 (Annex 2).
6. An authorized person (AP) should obtain such laboratory test certificates or such information from the registered contractors.
7. The colour of pavers shall be as specified by the AP to achieve a visual contrast and/or a change in pattern between the paver blocks and the adjoining footpath.
8. The design and construction of paver blocks shall be in accordance with the latest requirements of the HyD. The AP shall obtain information about these requirements from the Publications and Press Release Section of HyD's homepage (<http://www.hyd.gov.hk/eng/public/index.htm>) and incorporate them onto the general building plans at building plan submission stage.

Protection of Underground Utilities

9. Please refer to HyD Technical Circular No. 3/90 or any updated version regarding the minimum ground cover requirement to facilitate protection of underground facilities.

(9/2006)

Certificate of Completion of Vehicular Run-in and Run-out

BD Ref.: _____

Date : _____

Re: _____

(Address of Development Site)

To Building Authority,

Part A (to be certified by Authorized Person)

I (name in full) _____, authorized person, confirm that the vehicular run-in(s) and run-out(s) as indicated on the attached Block Plan showing its/their location at the captioned development site has/have been completed in accordance with the approved plans and complies/comply with the requirements stipulated in PNAP 300.

2.* The above vehicular run-in(s) and run-out(s) are ready for handing-over to the Highways Department.

Signature of Authorized Person

Certificate of Registration No.: _____

Date of expiry of registration : _____

* Delete if not applicable

Part B (to be certified by Registered Contractor)

3. *I/We (name in full) _____,
* registered general building contractor/registered specialist contractor in the **
_____ category, hereby confirm that the vehicular run-in(s) and
run-out(s) as indicated on the attached Block Plan showing its/their location at the
captioned development site has/have been completed in accordance with the approved
plans and complies/comply with the requirements stipulated in PNRC 65.

Name of the person appointed
to act for the Registered
Contractor for the above works

Signature

Certificate of Registration No.: _____

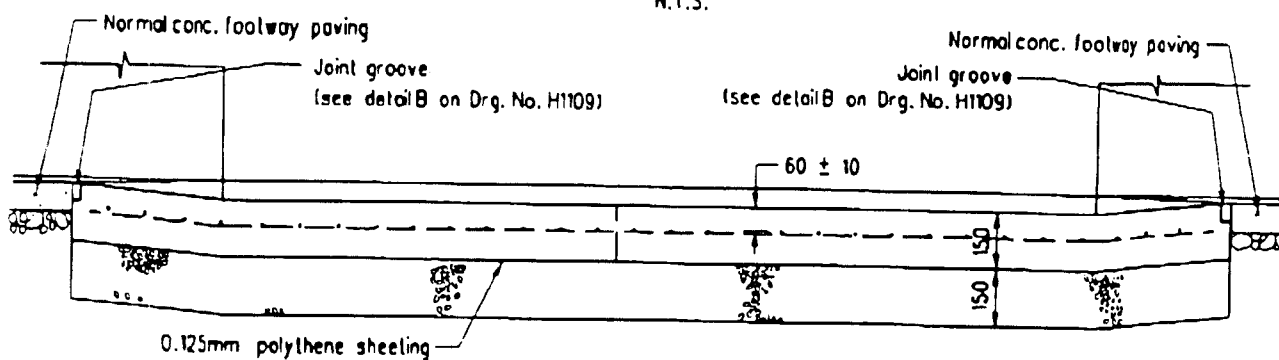
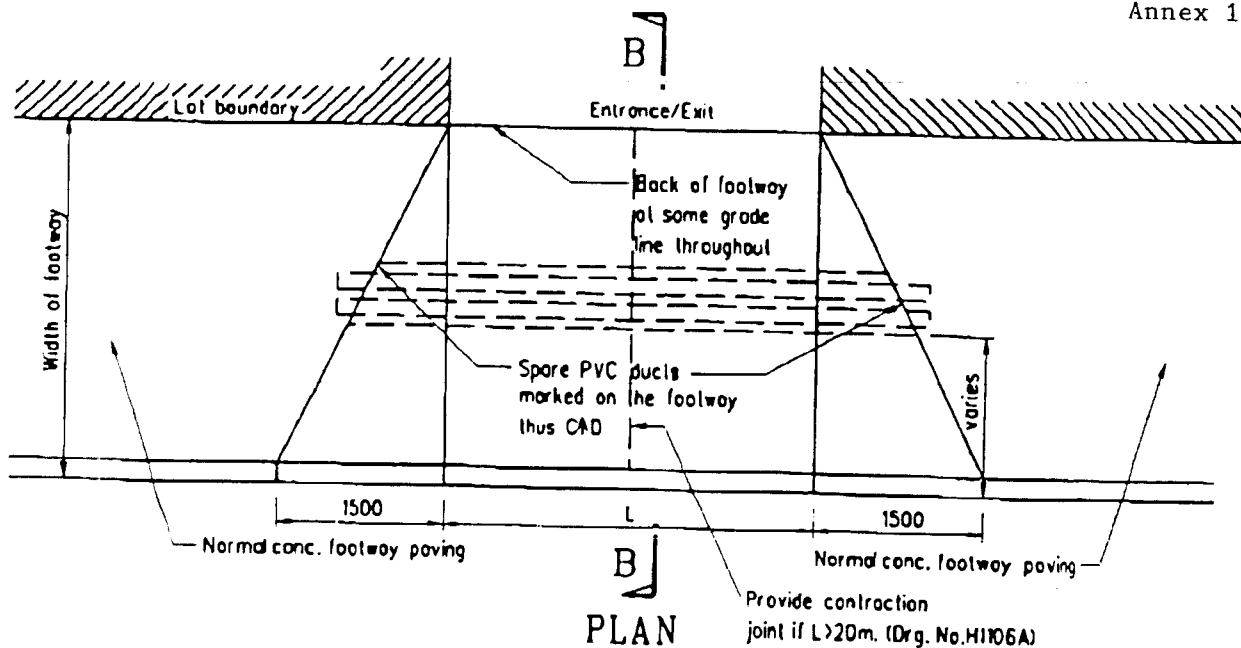
Date of expiry of registration : _____

* Delete if not applicable

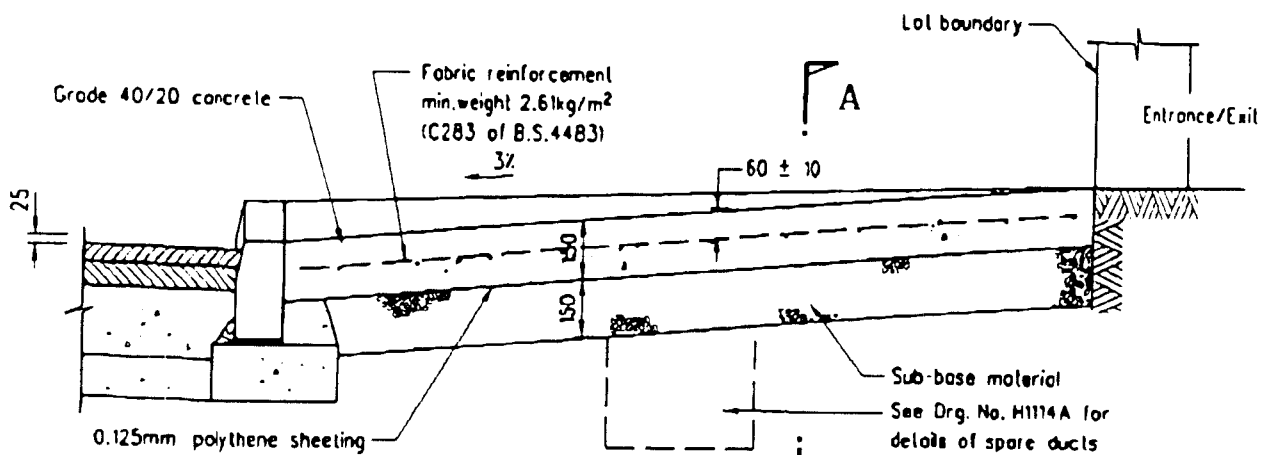
** Enter the name of the sub register for the category of specialized works

c.c. Highways Department (Ref.: _____) with a copy of Block Plan

(9/2006)



SECTION A - A



SECTION B - B

Note:

1. All dimensions are in millimetres.

B	Joint groove details revised		Nov 96
A	Grade of concrete revised		Sept 96
	Former Drg. No. H1011A with general revision		June 94
REF.	REVISION	SIGNATURE	DATE

TYPICAL DETAILS
OF RUN-IN
(SHEET 1 OF 2)

HIGHWAYS DEPARTMENT

REFERENCE

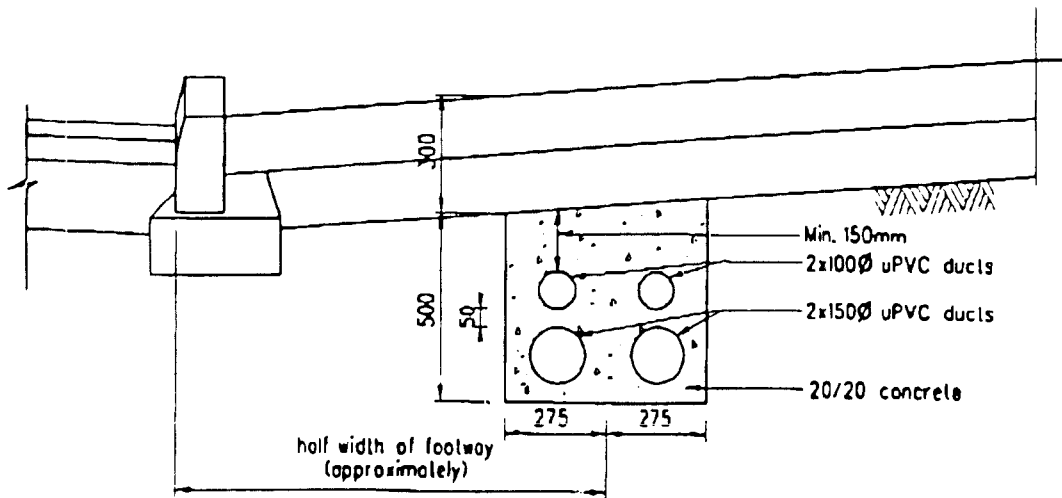
DRAWING No.

CAD

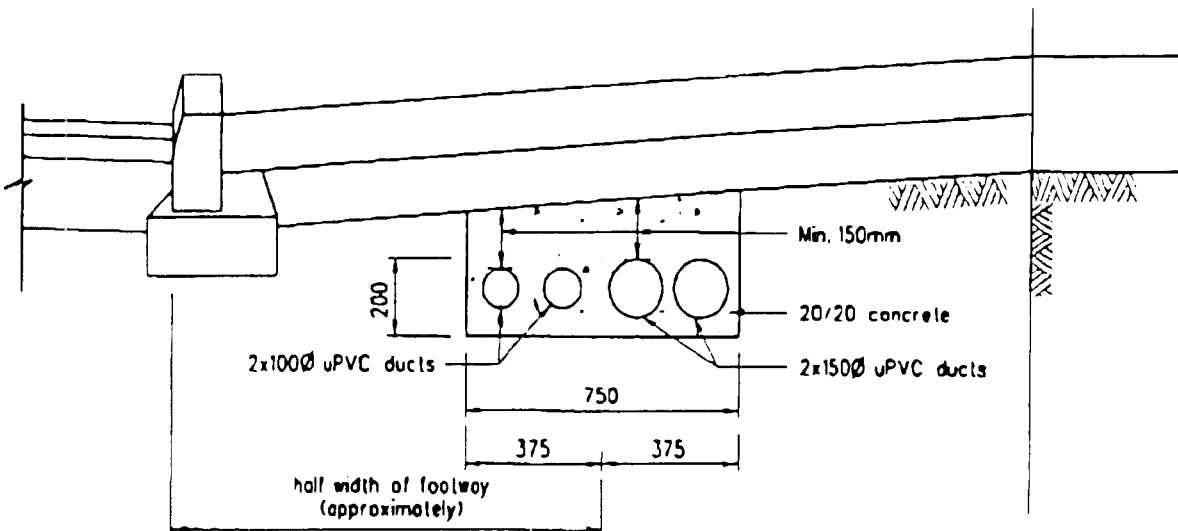
SCALE

1:20

H 1113B



OPTION A



OPTION B

Notes:

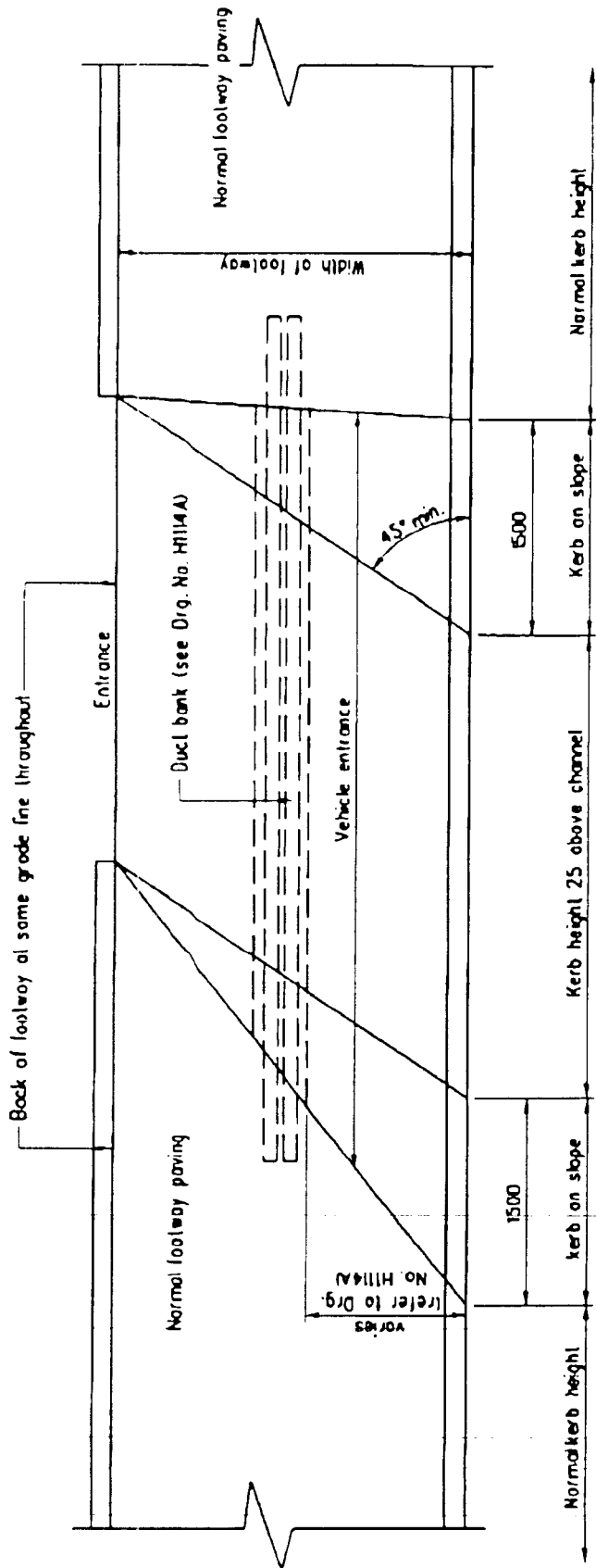
1. 100 diameter ducts are provided for cables of ATC or CCTV.
150 diameter ducts are provided for power cables.
2. The choice of option depends on the site situations (e.g. width of footway, existing underground utilities).
3. Position of both ends of the duct bank to be marked on footway thus CAD.

A	Concrete cover revised		Sept 96
	Former Drg. No. H1011A with general revision		June 94
REF.	REVISION	SIGNATURE	DATE

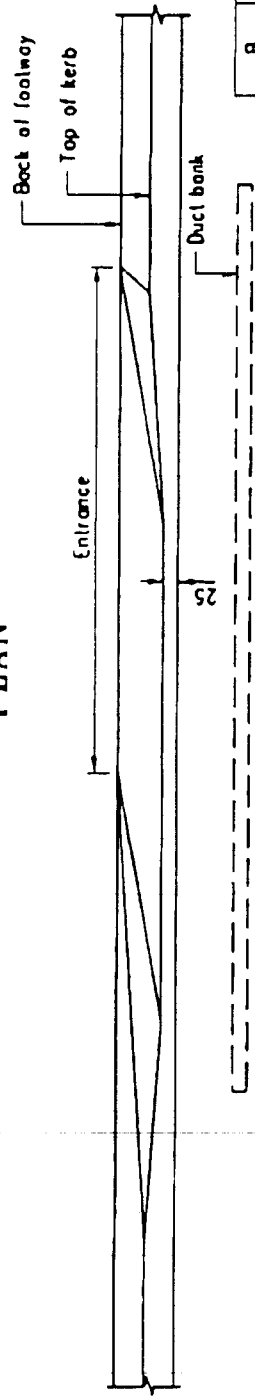
TYPICAL DETAILS
OF RUN-IN
(SHEET 2 OF 2)

HIGHWAYS DEPARTMENT

REFERENCE	DRAWING No.	CAD
SCALE	H 1114A	
1:20		



PLAN



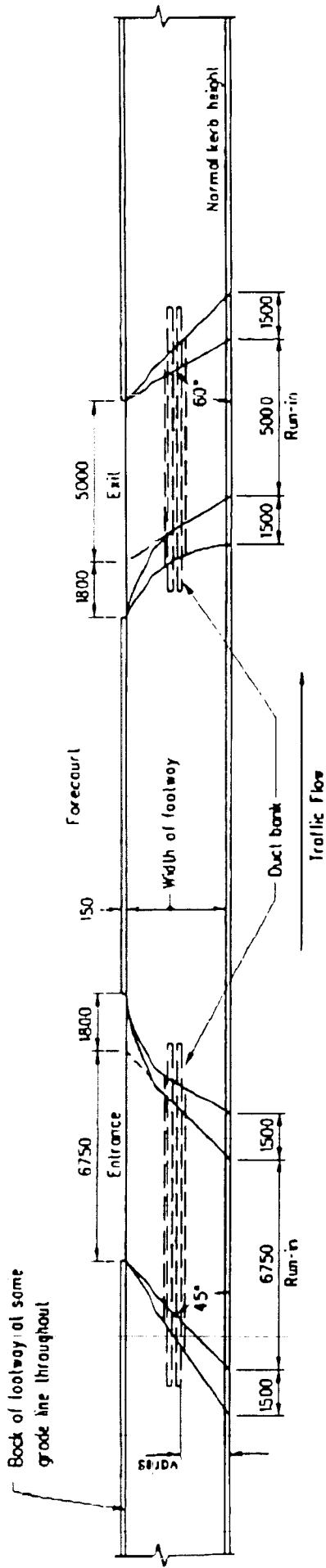
ELEVATION OF KERB

Note:

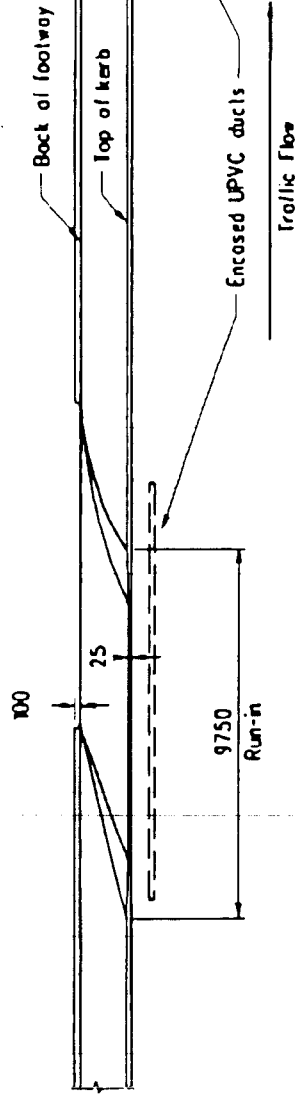
1. All dimensions are in millimetres.
2. Position of both ducts ends to be marked on footway thus C.A.D.
3. For details of run-in pavement and conc. surround of ducts, see Drg. No. H1113B & H1114A.
4. This detail shall be applicable to the skew run-in mirrored of that shown in this drg.

B	Note 3 revised	Jan 97
A	Note 3 revised	Sept 96
	Former Drg. No. H1012 with general revision	June 94
REF.	REVISION	SIGNATURE
HIGHWAYS DEPARTMENT		
REFERENCE		DRAWING No. CAD
SCALE		H 1115B
Diagrammatic		

TYPICAL DETAILS OF SKEW RUN-IN



PLAN



ELEVATION

Notes :

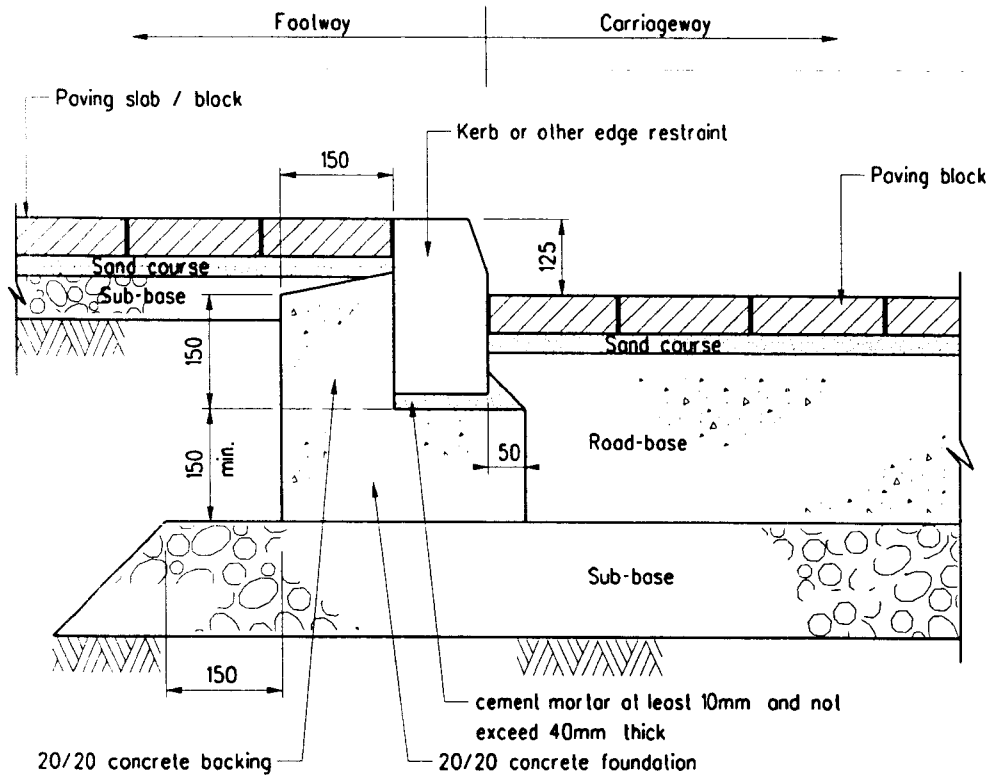
1. Position of ducts to be marked on footway thus C.A.D.
2. For details of run-in pavement and conc. surround of ducts, see Drg. No. H1113B & 1114A
3. All dimensions are in millimetres.

B	Note 2 revised	Jan 97
A	Note 2 revised	Sept 96
	Former Org. No. H1013. with general revision	June 94
REF.	REVISION	SIGNATURE DATE

HIGHWAYS DEPARTMENT

REFERENCE	DRAWING No.	CAD
SCALE	Diagrammatic	
	H 1116B	

TYPICAL DETAILS OF RUN-IN
FOR PETROL FILLING STATIONS



SECTIONAL VIEW

Layer	Footway	Run in	Carriageway (Design traffic load \leq 5MSA)
Sub-base thickness	100mm	225mm	225mm (For E subgrade $>$ 50MPa)
Bituminous road-base thickness	—	100mm (See Note 3)	100mm
Sand course	20mm to 30mm		
Paving Unit (type, thickness & concrete grade)	Slab or block	Block	
	60mm	80mm	
	Grade 30	Grade 45	

THICKNESS DESIGN FOR
PRECAST CONCRETE UNIT PAVING

Notes:

- All dimensions are in millimetres.
- Refer to GS Section 11 Part 7 for specification.
- For industrial buildings and access with high volume of heavy commercial vehicles. Cross-road ducts should be correspondingly lowered. Besides bituminous road-base, other materials may be adopted subject to engineer's approval.

B	Note 3 added		May 97
A	Table for thickness design revised and note 2 added		Sept 96
	Former Drg. No. H1010B with general revision		June 94
REF.	REVISION	SIGNATURE	DATE

PRECAST CONCRETE UNIT
PAVING TYPICAL
CONSTRUCTION DETAILS

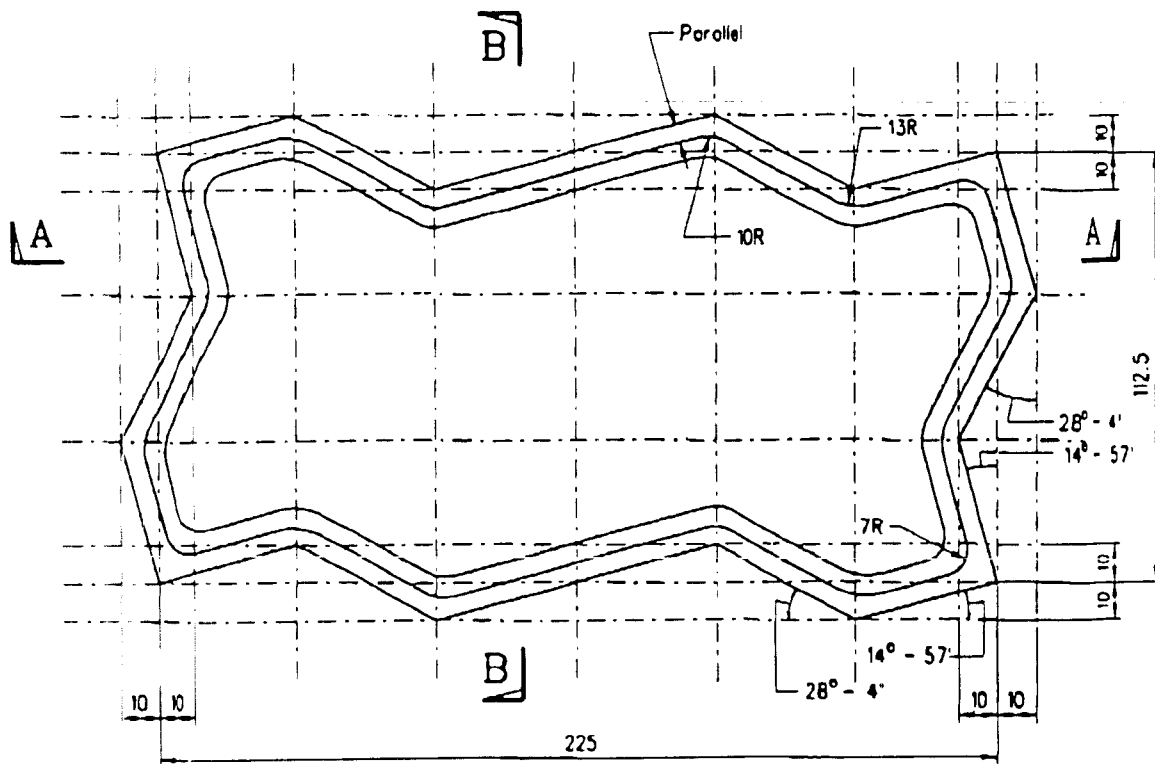
HIGHWAYS DEPARTMENT

REFERENCE
Road Note No.9

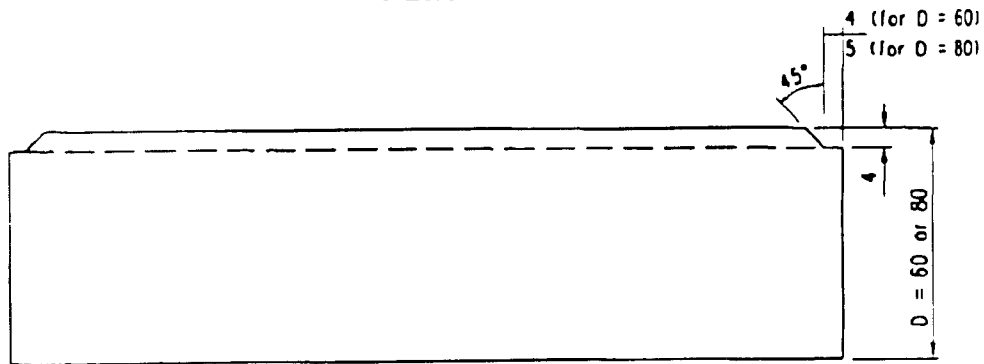
DRAWING No. CAD

SCALE
Diagrammatic

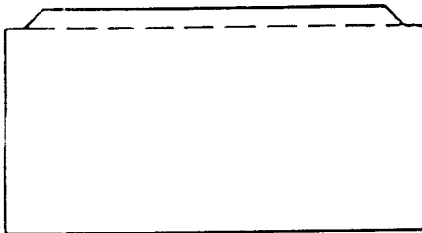
H 1103B



PLAN



SECTION A - A



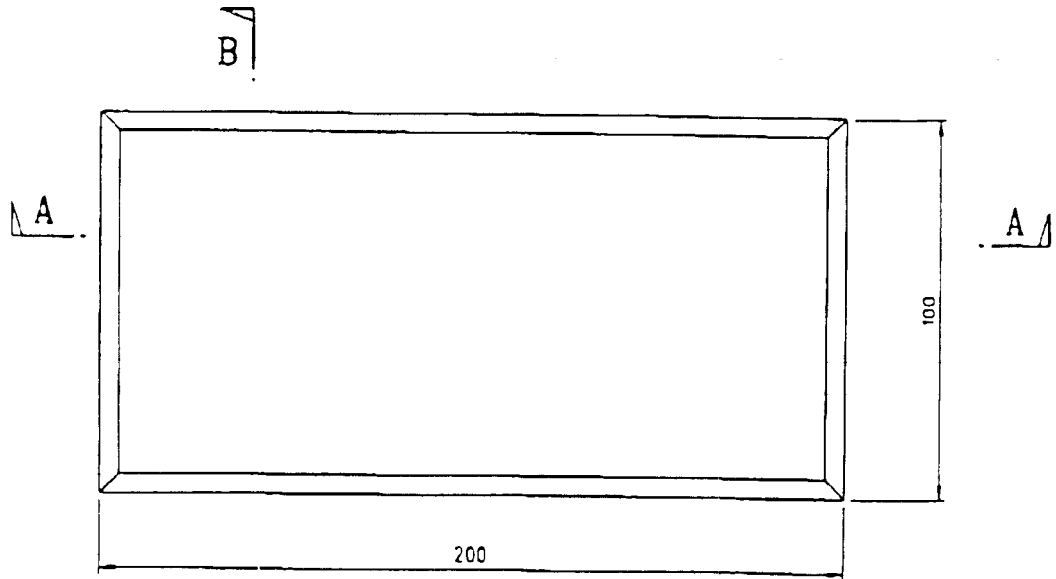
SECTION B - B

Notes :

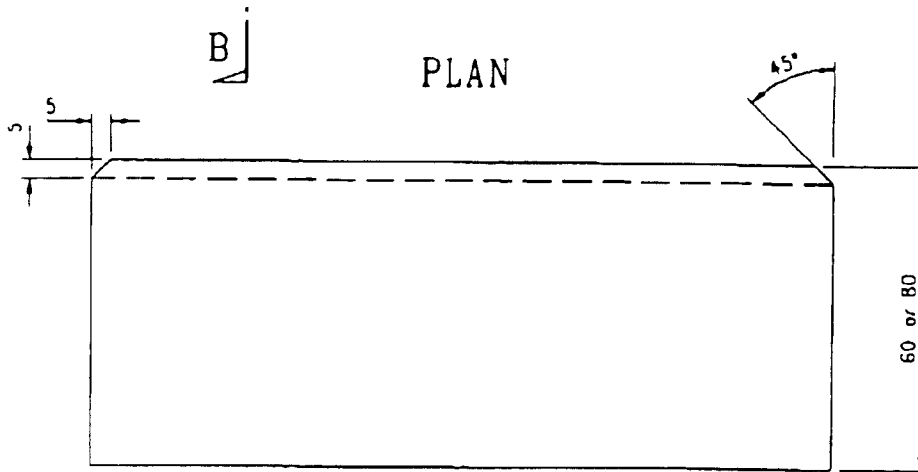
1. All dimensions in millimetres
2. Refer to Drg. No. H1103 for paving construction details.

Former Drg. No. H5001/2 with general revision		June 94	
REF.	REVISION	SIGNATURE	DATE
HIGHWAYS DEPARTMENT			
REFERENCE	H.O. 7/1/6	DRAWING No.	CAD
SCALE	1:2	H 5101	

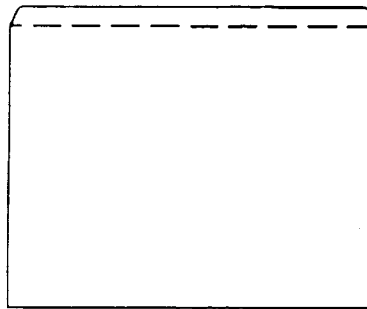
CONCRETE PAVING
BLOCKS TYPE 'A'



PLAN



SECTION A - A



SECTION B - B

Notes

1. All dimensions in millimetres.
2. Refer to Drg. No. H1103 for paving construction details.

	Former Drg. No. H5001/3		June 94
REF.	REVISION	SIGNATURE	DATE
HIGHWAYS DEPARTMENT			
REFERENCE	H. O. 7/1/6	DRAWING No.	CAD
SCALE	1:2	H 5102	

CONCRETE PAVING
BLOCKS TYPE 'B'

		Block		Slab
		Type 'A'	Type 'B'	
Shape & Plan Dimension				 Size :- 200 x 200 Size :- 200 x 300
Thickness		60 & 80		
Common Colour		Grey, Brown & Red		Grey & Brown
Special Colour		Dark Grey, Green & Yellow		
Basic Bonding	Stack			
	Basket-Weave			N.A.
	Stretcher			
	Herringbone	 90°	 45°	 90°

Notes :

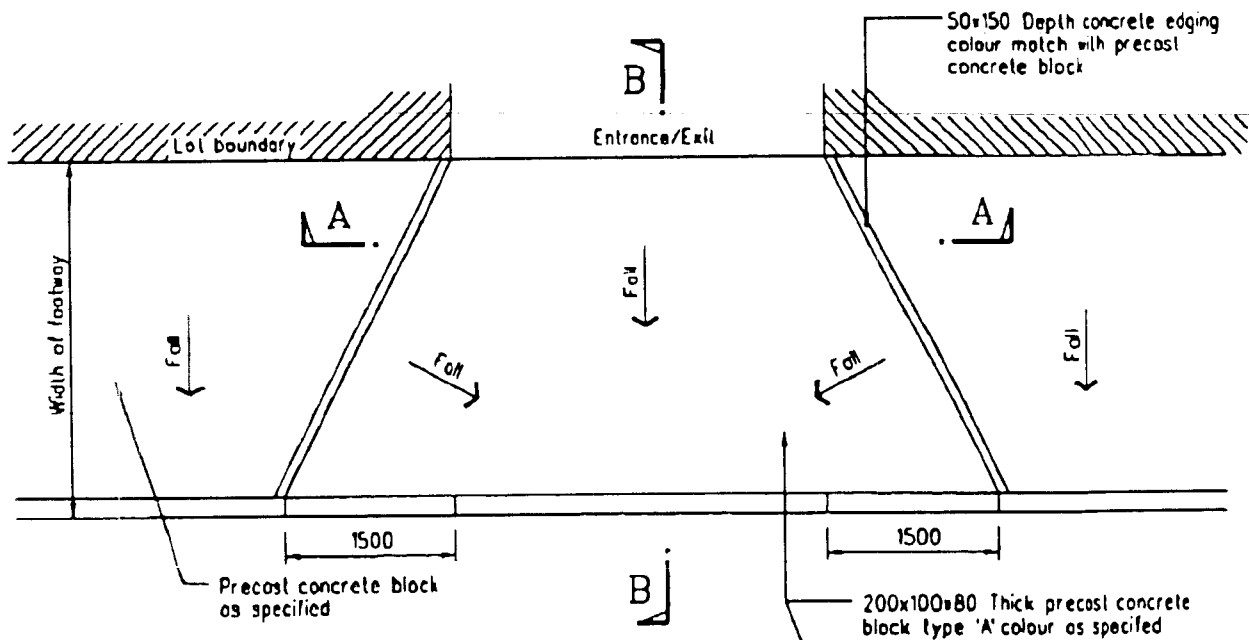
- All dimensions are in millimetres.
- See HyD Standard Org. NO.H 5101 & H 5102 for details of block type 'A' & 'B'
- Colours mentioned are product specific; true colour should be verified by submission of samples.

	New issue		May 97
REF.	REVISION	SIGNATURE	DATE

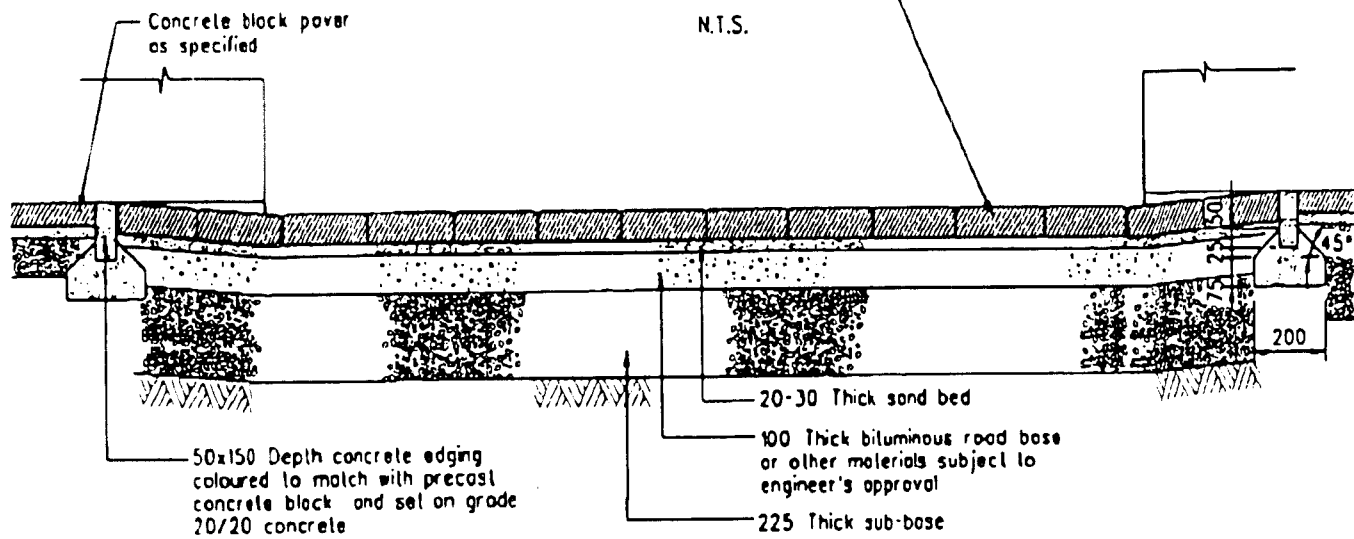
PRECAST CONCRETE PAVING
UNITS - DIMENSION, COLOUR
& BONDING PATTERN

HIGHWAYS DEPARTMENT

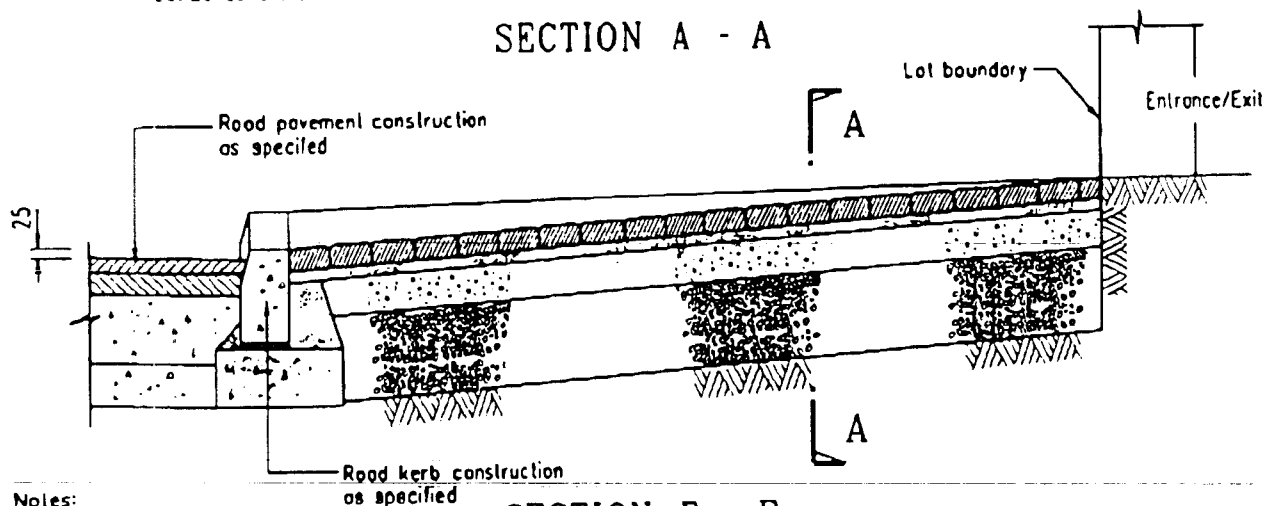
REFERENCE	DRAWING No.	CAD
Road Note No.9	H 5114	
SCALE	N.T.S.	



PLAN
N.T.S.



SECTION A - A



SECTION B - B

Notes:

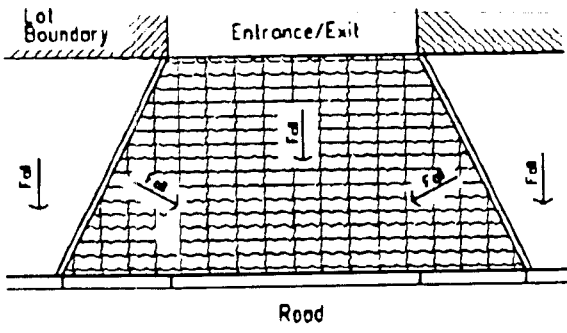
1. All dimensions are in millimetres.
2. This drg. to be read in conjunction with drg. no. H11038 & H5101.

	New issue		May 97
REF.	REVISION	SIGNATURE	DATE

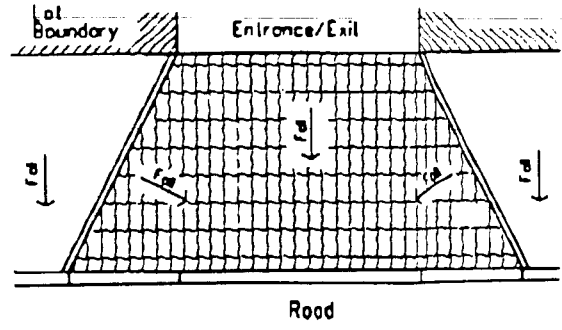
PRECAST CONCRETE UNIT
PAVING - RUN-IN DETAILS
(SHEET 1 OF 2)

HIGHWAYS DEPARTMENT

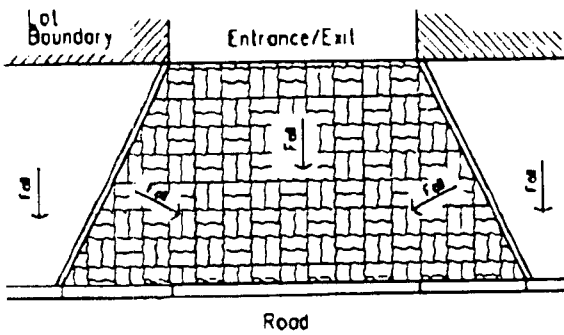
REFERENCE	Road Note No.9	DRAWING No.	CAD
SCALE	1:20	H 5115	



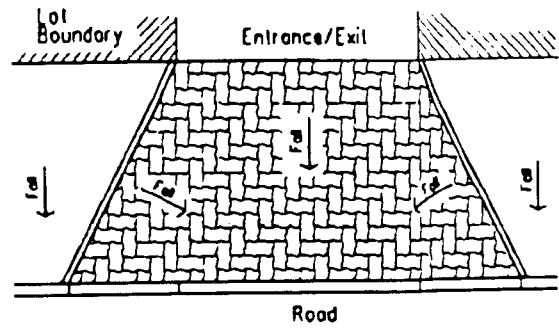
STACK PATTERN 'A'



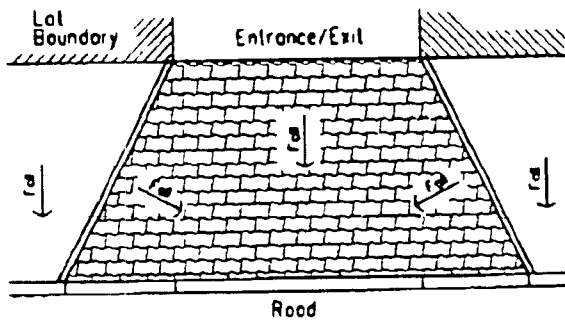
STACK PATTERN 'B'



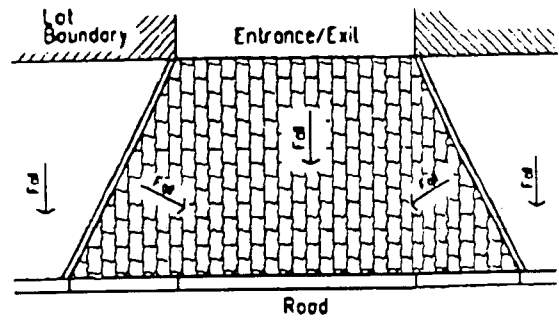
BASKET-WEAVE PATTERN



HERRINGBONE PATTERN



STRETCHER PATTERN 'A'



STRETCHER PATTERN 'B'

PRECAST CONCRETE UNIT
PAVING - RUN-IN DETAILS
(SHEET 2 OF 2)

	New issue		May 97
REF.	REVISION	SIGNATURE	DATE
REFERENCE		DRAWING No.	CAD
SCALE N.T.S.		H 5116	