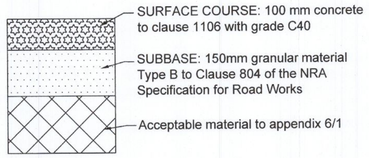
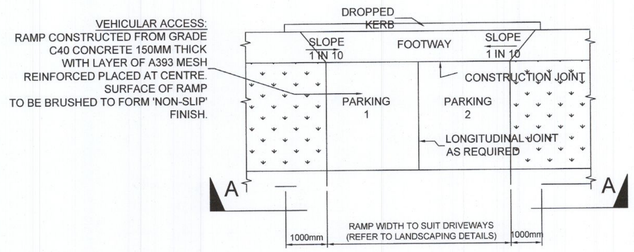
Construction Detail
Footpath Type B

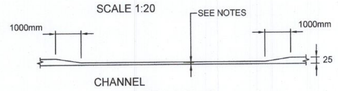
Proposed Concrete Footpath Construction





PLAN OF RAMP

SCALE 1:20



VIEW A-A

NOTES:
1. A RAISED LIP OF 25mm SHOULD BE USED FOR VECHICULAR ENTRANCES.
2. REFER TO RCD/1100/2 FOR IN-SITU CONCRETE KERB DIMENSIONS.
3. DRIVEWAYS ARE TO BE FLUSH WITH FOOTPATHS.
4. REFER TO LANDSCAPING DRAWINGS FOR DRIVEWAY CONSTRUCTION DETAILS INCLUDING JOINTS.

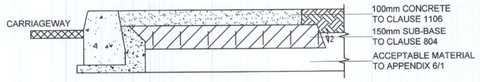
DROPPED KERB RAMP
RCD/1100/3

SCALE 1:20

NOTES:
This drawing to be read in conjunction with Pinnacle , Architect and Landscape Architect Contract Drawings. See Landscape Architect Details for Details of Footpath in Public Open Space and Tactile Paving. See Architect Contract Drawings for Details of Driveways and in-curtilage footpaths.

Footpaths:-
In-situ concrete footpath. Footpath is to incorporate 20mm expansion joints at 24m centres and 4mm contraction joints at 3m centres minimum. Contraction joints shall be provided either side of all vehicular crossings. Joints to be sealed with an approved 2 part polysulphide sealant or other SDCC approved system.

Kerbing:-
Kerbing to be insitu concrete system. 20mm expansion joints at 25m centres and 4mm contraction joints at 5m centres minimum to be provided. Contraction shall be provided either side of all vehicular crossings. Joints to be sealed with an approved 2 part polysulphide sealant or other approved system.

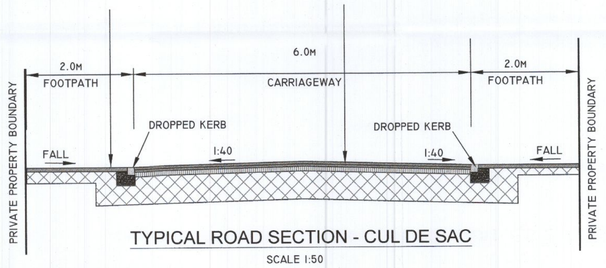


NOTES:
1. FOOTWAY IS SHOWN WITH A IN-SITU CONCRETE KERB TYPE A. ALTERNATIVE KERB TYPES ARE SHOWN RCD/1100/1 AND RCD/1100/2.
2. AT VEHICULAR ACCESS POINTS CONCRETE TO BE REINFORCED WITH A393 MESH REINFORCEMENT TOP AND BOTTOM.
3. ALL CONCRETE EDGES AND JOINTS SHALL BE BULLNOZED WITH A TROWEL.

CONCRETE FOOTWAY
RCD/1100/5

SCALE 1:20

FOOTATH CONSTRUCTION:
REFER TO FOOTPATH TYPE B

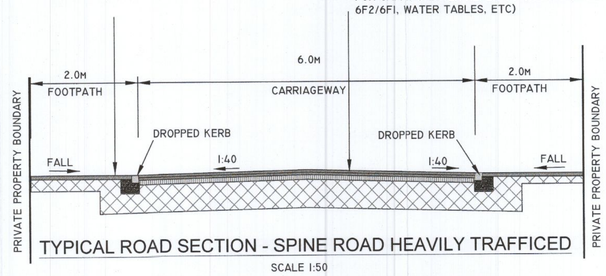


TYPICAL ROAD SECTION - CUL DE SAC

SCALE 1:50

ROAD CONSTRUCTION:
40MM SURFACE COURSE (10MM CHIP SIZE) SMA (ISEN 13108-5) ON A 100MM BINDER COURSE (20MM CHIP SIZE) AC20 (ISEN 13108-5) ON A MIN. 150MM SUB-BASE LAYER TO TII PUBLICATION - SERIES 800 (INCLUDING CLAUSES 801-804).
NOTE: MIN BITUMINOUS THICKNESS IS 140MM.
NOTE: THE DEPTH OF THIS SUB-BASE IS DEPENDENT UPON THE CBR OF THE FORMATION. SEE TABLE 1.
FOR COMPACTED THICKNESS REFER TO TII PUBLICATION - DN-PAV-0321 (I.E. CBR, PLATE COMPACTION, WATER TABLES, ETC)
FOR CAPPING LAYER REFER TO TII PUBLICATION - DN-PAV-0321 (I.E. CLASS 6F2/6F1, WATER TABLES, ETC)

FOOTATH CONSTRUCTION:
REFER TO FOOTPATH TYPE B



TYPICAL ROAD SECTION - SPINE ROAD HEAVILY TRAFFICED

SCALE 1:50

ROAD CONSTRUCTION:
40MM SURFACE COURSE (10MM OR 14MMCHIP SIZE) SMA (ISEN 13108-5) OR HRA (ISEN 13108-4) ON A 60MM BINDER COURSE (20MM CHIP SIZE) AC20 (ISEN 13108-5) ON A 80MM BASE COURSE (32MM CHIP SIZE) AC32 (ISEN 13108-1) ON A MIN. 150MM SUB-BASE LAYER TO TII PUBLICATION - SERIES 800 (INCLUDING CLAUSES 801-804).
NOTE: MIN BITUMINOUS THICKNESS IS 180MM.
NOTE: THE DEPTH OF THIS SUB-BASE IS DEPENDENT UPON THE CBR OF THE FORMATION. SEE TABLE 1.
FOR COMPACTED THICKNESS REFER TO TII PUBLICATION - DN-PAV-0321 (I.E. CBR, PLATE COMPACTION, WATER TABLES, ETC)
FOR CAPPING LAYER REFER TO TII PUBLICATION - DN-PAV-0321 (I.E. CLASS 6F2/6F1, WATER TABLES, ETC)

TABLE 1

C.B.R. SUB-GRADE (%)	BELOW 2	2	3	4 or More
THICHNESS OF SUB-BASE (mm)	625	475	350	300
SUB BASE + CAPPING LAYER COMPRISING				
SUB-BASE THICKNESS (mm)	150	150		
CAPPING LAYER THICKNESS (mm)	600	350		

COLORED SURFACE OPTIONS

MATERIAL DESCRIPTION	RED SMA	BUFF SMA	BLACK SMA (WITH RED CHIP)
FOR USE ON:	DMURS	CUL DE SACS, DMURS	RAMPS
MIN COMPACTED THICKNESS	40mm	40mm	40mm
CHIP SIZE RANGE	10mm only	10mm only	10mm only
MIN CHIP PSV VALUE	55	55	55
MATERIAL NAME	SMA surf PMB (ISEN 13108-5 -RED, BUFF)		
CHIP COLOUR			
AGGREGATE COLOR RATIO	Chips >4mm: Coloured Aggregate		
PIGMENT % IN MIX	RED	BUFF	RED
BINDER	BLACK	CLEAR	BLACK
AFTER TREATMENT	NONE	NONE	NONE
PROTECTED IN TRAFFIC	4HRS MINS	4HRS MINS	2HRS MINS

GENERAL NOTES

1. DO NOT SCALE THIS DRAWING. WORK ONLY TO FIGURED DIMENSIONS.
2. FOR ALL RELEVANT NOTES, REFER TO STRUCTURAL AND CIVIL ENGINEERING PERFORMANCE SPECIFICATION.
3. ANY DISCREPANCIES ARE TO BE REPORTED TO PINNACLE CONSULTING ENGINEERS IMMEDIATELY.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS, ARCHITECTS AND SUB-CONTRACTORS DRAWINGS AND DETAILS.
5. ALL TACTILE PAVING TO BE IN ACCORDANCE WITH CO CO KILDARE DRAWING NO. 2

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
-	-	-	-	-

CLIENT
KELLAND HOMES LTD.

PROJECT
CLONBURRIS
-

DRAWING TITLE
ROAD CONSTRUCTION DETAILS - SOUTH DUBLIN COUNTY COUNCIL

PINNACLE CONSULTING ENGINEERS
GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN
IRELAND.
TELEPHONE: +353 1231 1041
WELWYN GARDEN CITY | NORWICH | LONDON | THE HAGUE

DRAWING STATUS			
PLANNING			
SCALE @ A1	DATE	DRAWN BY	CHECKED
NTS	APRIL '22	RK	RK
DRG NO.			REVISION
P200306-PIN-XX-DR-D-0020-SI			P01

REF: P200306