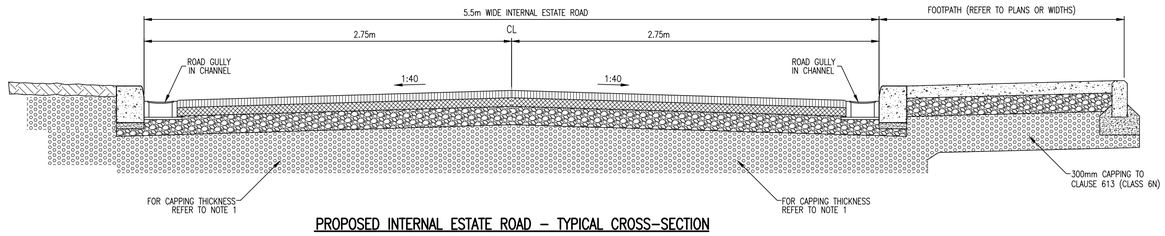
VERGE/SIDE SLOPES :
200mm SPECIAL PURPOSE TOPSOIL TO BS 3882 & APPENDIX 6/8 FOR PLANTING ZONES.

ENTRANCE/DISTRIBUTOR ROAD CONSTRUCTION :
40mm DENSE BITUMEN MACADAM SURFACE COURSE; AC 14 CLOSE SURF 70/100 (14mm AGGREGATE) TO CLAUSE 912 ON
60mm DENSE BITUMEN MACADAM BINDER COURSE; AC 20 DENSE BIN 40/60 (20mm AGGREGATE) TO CLAUSE 906 ON
110mm DENSE BITUMEN MACADAM BASE COURSE; AC 32 DENSE BASE 40/60 (32mm AGGREGATE) TO CLAUSE 906 ON
150mm GRANULAR SUB-BASE TO CLAUSE 808 (TYPE B) WITH BLINDED SURFACE ON
SELECTED CAPPING TO CLAUSE 613 (CLASS 6F1/2) REFER TO NOTE 1.
WHERE THE BASECOURSE IS TO BE TRAFFICKED OR LEFT UNCOVERED FOR ANY LENGTH OF TIME IT MUST BE SURFACE DRESSED. CONTRACTOR SHOULD NOTE THAT C.B.R.S MUST BE APPROVED BY ENGINEER PRIOR TO COMMENCEMENT OF ROAD CONSTRUCTION

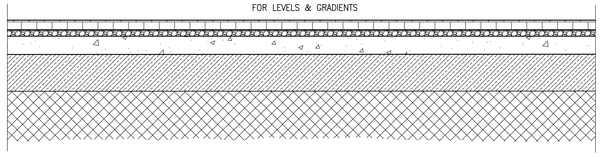
VERGE :
FOR LOCATIONS & WIDTHS OF VERGES REFER TO PLANS.

FOOTPATH :
(AS OPPOSITE)



PROPOSED INTERNAL ESTATE ROAD – TYPICAL CROSS-SECTION
SCALE N.T.S.

DRIVEWAY – PERMEABLE PAVING :
60mm THICK PERMEABLE PAVING BLOCKS (OR EQUIVALENT APPROVED PERMEABLE MACADAM TBC) ON
40mm OF 5mm CLEAN STONE TO BS882 OR TYPE 2/6.3 STONE TO BS EN 13242.
150mm THICKNESS OF CEMENT STABILISED COARSE GRADED AGGREGATE TO BS882 ON
VARIABLE (REFER TO PLAN) THICKNESS OF LOWER SUB-BASE 63-10mm STONE TO BS882 OR TYPE 4/40 STONE TO BS EN 13242 ON LAYER OF IMPERMEABLE GEOTEXTILE MEMBRANE ON
PROTECTIVE LAYER OF NEEDLE PUNCHED NON-WOVEN GEOTEXTILE TYPE PB2000 (OR SIMILAR APPROVED) ON
CAPPING WHERE REQUIRED – REFER NOTE



TYPICAL CROSS-SECTION THROUGH PERMEABLE PAVING
SCALE: NTS

1. C20/25 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 260Kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
2. C25/30 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 280Kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.65 AND SLUMP CLASS S2.
3. C40/50 CONCRETE TO HAVE A MINIMUM CEMENT CONTENT OF 400Kg/m³, MAXIMUM WATER/CEMENT RATIO OF 0.45 AND SLUMP CLASS S3.
4. WHERE CLASS 6F1/6F2 CAPPING MATERIAL IS PROPOSED WITHIN 500mm OF CONCRETE OR STEEL, CLASS 6N TO BE USED INSTEAD.
5. WHERE FOOTPATHS ARE LOCATED ADJACENT TO ROADS, C40/50 CONCRETE TO BE USED. ALTERNATIVELY, FOOTPATHS LOCATED BEHIND VERGES C25/30 CONCRETE MAY BE USED.

NOTE:
ALL WORKS & SPECIFICATIONS TO BE UNDERTAKEN IN ACCORDANCE WITH
- NRA SPECIFICATION FOR ROADWORKS
- GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS
- RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS

TABLE 1		
CAPPING/STABILISATION DEPTHS (mm)		
CBR	ROADS	CARPARK
2%-3%	400	300
3%-4%	300	200
4%-5%	250	150
ABOVE 5%	200	100

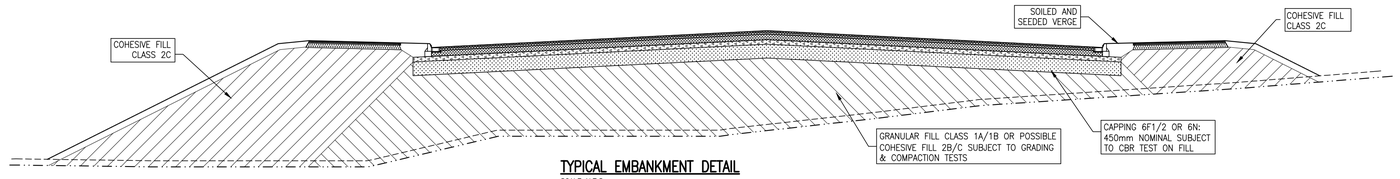
NOTE :
1. FOR AREAS WHERE CBR VALUES ARE BELOW 2%, CARRY OUT THE FOLLOWING:
   - THE SOFT AREA IS TO BE EXCAVATED OUT FULLY AND REPLACED WITH A GENERAL FILL MATERIAL (CLASS 1A/1B) TO N.R.A. SPECIFICATION TO THE UNDERSIDE OF AN 'ENKAGRID' LAYER (ENKAGRID TRC 40 OR SIMILAR 40kN/m). SEPARATION GEOTEXTILE TO BE PLACED BETWEEN THE SUBGRADE AND CAPPING.

   OR
   - SOIL TO BE STABILISED IN-SITU WITH LIME/CEMENT TO SPECIALIST CONTRACTOR SPECIFICATION TO FORMATION LEVEL, MINIMUM CBR 5%.

   AN ENGINEER SHOULD INSPECT THE SOFT AREA WHEN IT HAS BEEN FULLY EXCAVATED OUT PRIOR TO THE FILL/STABILISED MATERIAL BEEN PLACED/WORKED.

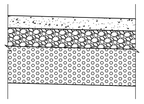
2. FOR AREAS WHERE CBR VALUES ARE BETWEEN 2% AND 5%, CARRY OUT THE FOLLOWING:
   - THE SOIL IS TO BE EXCAVATED OUT FULLY AND REPLACED WITH A CAPPING MATERIAL TYPE 6F1/6F2 TO N.R.A. SPECIFICATION. DEPTHS OF CAPPING MATERIAL AS PER TABLE 1. SEPARATION GEOTEXTILE TO BE PLACED BETWEEN THE SUBGRADE AND CAPPING.

   OR
   - SOIL TO BE STABILISED IN-SITU WITH LIME/CEMENT TO SPECIALIST CONTRACTOR SPECIFICATION TO FORMATION LEVEL, MINIMUM CBR 5%, DEPTHS OF MATERIAL TO BE STABILISED AS PER TABLE 1 BELOW.

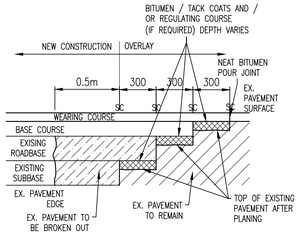


TYPICAL EMBANKMENT DETAIL
SCALE N.T.S.

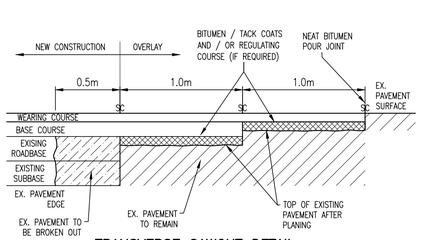
FOOTPATH:
100mm C40/50 CONCRETE TO CLAUSE 1106 ON
150mm GRANULAR SUB-BASE TO CLAUSE 808 ON
SELECTED CAPPING TO CLAUSE 613 (CLASS 6F1/2)
(DEPENDANT ON CBR RESULTS, 3% ASSUMED).



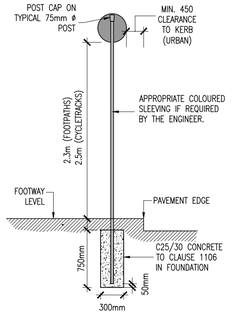
TYPICAL FOOTPATH BUILD-UP SECTION
(STANDALONE AREAS)
SCALE N.T.S.



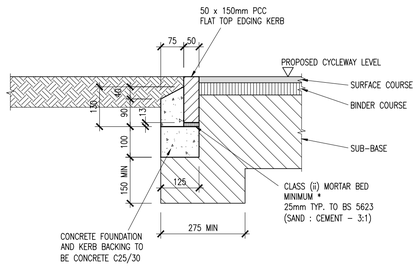
LONGITUDINAL SAWCUT DETAIL
SCALE : 1:25
(SC = SAW CUT LINES, CUT WITH ROTARY SAW.)



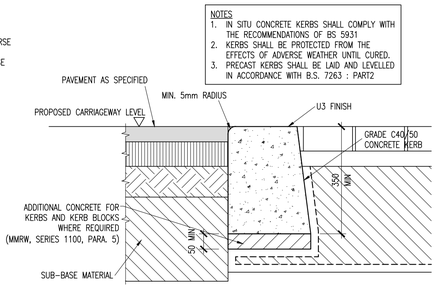
TRANSVERSE SAWCUT DETAIL
SCALE : 1:25
(SC = SAW CUT LINES, CUT WITH ROTARY SAW.)



INFORMATION SIGN
(SINGLE POST)

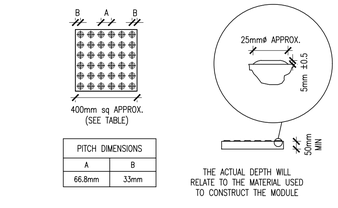


PIN KERB EDGING
SCALE 1:10



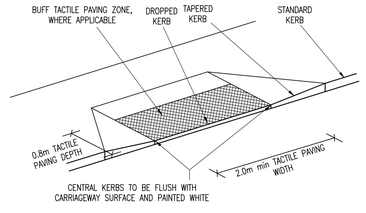
NOTES
1. IN SITU CONCRETE KERBS SHALL COMPLY WITH THE RECOMMENDATIONS OF BS 5931.
2. KERBS SHALL BE PROTECTED FROM THE EFFECTS OF ADVERSE WEATHER UNTIL CURED.
3. PRECAST KERBS SHALL BE LAID AND LEVELLED IN ACCORDANCE WITH B.S. 7263 : PART2

FLUSH KERB DETAIL
SCALE 1:10

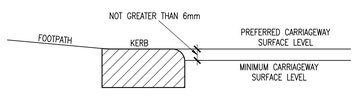


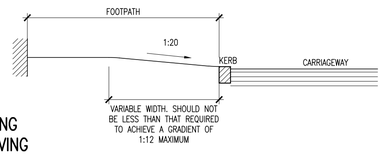
PITCH DIMENSIONS	
A	B
66.8mm	33mm

PROFILE & PLAN OF BLISTER SURFACE
N.T.S.

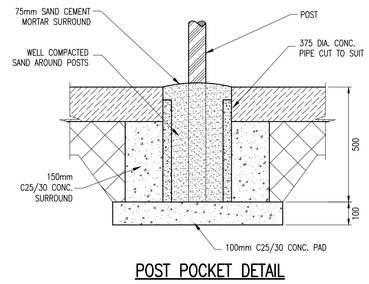


UNCONTROLLED DISHED CROSSING WITH TACTILE PAVING
SCALE 1:50

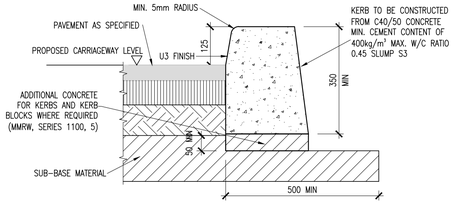




DISHED CROSSING WITH TACTILE PAVING
SCALE nts



POST POCKET DETAIL
SCALE : 1:50



INSITU CONCRETE KERB DETAIL
SCALE 1:10

rev	date	description	by	chkd.
P05	09-03-20	SHD SUBMISSION	RTM	SVC
P04	03-03-20	SHD SUBMISSION	RTM	SVC
P03	12-04-19	ISSUED FOR PRE-APP	APW	SVC
P02	08-04-19	ISSUED FOR PRE-APP	OAS	SVC
P01	15-03-19	ISSUED FOR INFORMATION	APW	SVC

client approval: A - Approved; B - Approved with comments; C - Do not use

suitability: S2 - SUITABLE FOR INFORMATION
issue purpose: PLANNING

DBFL Consulting Engineers
Civil, Structural & Transportation Engineering
www.dbfl.ie
DUBLIN OFFICE Ormond House, Upper Ormond Quay, Dublin 7, Ireland.
PHONE +353 1 400 4000
WATERFORD OFFICE Unit 2, The Chandlery, 1-2 O'Connell Street, Waterford, Ireland.
PHONE +353 51 309 500

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RESIDENTIAL DEVELOPMENT AT SANTA SABINA, GREENFIELD ROAD, SUTTON, DUBLIN 13

drawing title
STANDARD DETAILS SHEET 6 OF 6

client
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SVC	RTM	VARIES	A1

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revision: P05