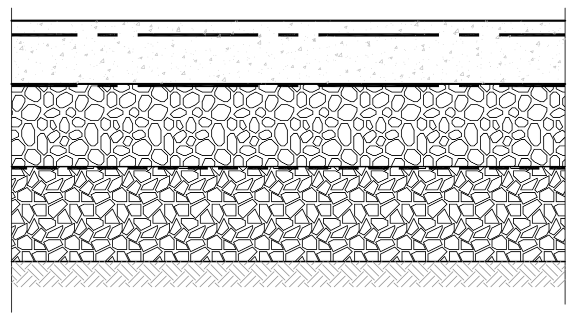
ARUN DISTRICT COUNCIL FG/105/18/PL



TYPE 1 CONSTRUCTION
RECYCLING AREA, HOME SHOPPING & SERVICE YARD

WEARING COURSE:-
THICKNESS: 200mm
MATERIAL: CONCRETE PAV 2 TO BS5328 WITH 1 LAYER A193 MESH IN TOP 50mm COVER

1000 GAUGE POLYTHENE MEMBRANE.

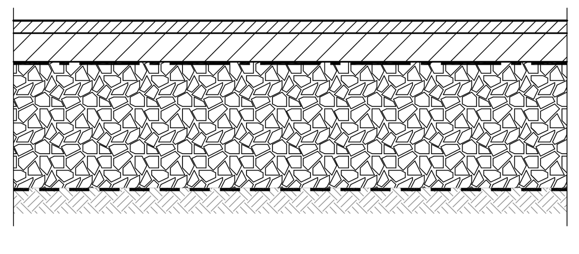
GRANULAR SUB-BASE:-
THICKNESS: 200mm
MATERIAL: TYPE 1 TO CLAUSE 803 OF SPECIFICATION FOR HIGHWAY WORKS.

GEOTEXTILE:
LOTRAK 50R.

CAPPING:
THICKNESS: 300mm
MATERIAL: 6F1 / 6F2 TO SPECIFICATION FOR HIGHWAY WORKS

NOTE:
DESIGN BASED ON 2% CBR AS IDENTIFIED IN ARCADIS REPORT. FORMATION TO BE PROOF ROLLED AND ANY SOFT SPOTS TREATED AS PER THE SPECIFICATION.

SERVICE YARD NOTE.
ALLOW FOR:
LONGITUDINAL JOINTS AT 4 - 8m crs.
CONTRACTION JOINT EVERY 3rd LONGITUDINAL JOINT.
TRANSVERSE CONTRACTION JOINT AT 6 - 8m.
ISOLATION JOINTS TO PERIMETER OF SERVICE YARD, MANHOLE COVERS AND DRAINAGE CHANNELS.
FINAL JOINT LAYOUT BY GROUNDWORK SUB CONTRACTOR, TO BE AGREED WITH THE ENGINEER.



TYPE 2 CONSTRUCTION
CIRCULATION ROUTE

WEARING COURSE:-
THICKNESS: 40mm
MATERIAL: SMA SURFACE COURSE (14mm SIZE) TO BS 594987:2007 PD6691 Ref. SMA 14 SURF.

ROAD BASE:-
THICKNESS: 90mm
MATERIAL: DENSE BASE (32mm SIZE) TO BS 594987:2007 PD6691 Ref. AC32 DENSE BASE.

HYDRAULICALLY BOUND COARSE GRADED AGGREGATES:
THICKNESS: 125mm
MATERIAL: TO BS 7533 - 13 : 2009, TABLE A.1, A.3, AND CLAUSES 6.2 & 6.3.

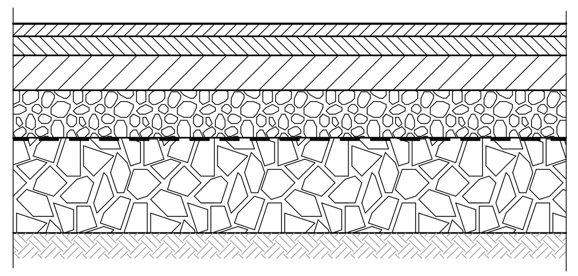
GEOTEXTILE.
LOTRAK 50R.

POROUS SUB-BASE:-
THICKNESS: 400mm
MATERIAL: 4/20 COURSE AGGREGATE TO BS 7533 - 13 2009 TABLE A.1

GEOMEMBRANE.
POROUS SUB BASE TO BE WRAPPED (TOP, BOTTOM & SIDES) WITH TERRAM 1000 OR EQUIVALENT.

NOTE:
DESIGN BASED ON 2% CBR AS IDENTIFIED IN ARCADIS REPORT. FORMATION TO BE PROOF ROLLED AND ANY SOFT SPOTS TREATED AS PER THE SPECIFICATION.

NOTE:
WHERE BULK FILL IS REQUIRED TO MAKE UP LEVELS TO UNDERSIDE OF FORMATION LEVEL, RSK / SIRIUS WELL COMPACTED STABILISED SITE WORKS FILL IS TO BE USED. (EXTERNAL AREAS ONLY)



TYPE 3 CONSTRUCTION
SERVICE / ACCESS ROAD

WEARING COURSE:-
THICKNESS: 40mm
MATERIAL: SMA SURFACE COURSE (14mm SIZE) TO BS 594987:2007 PD6691 Ref. SMA 14 SURF.

BINDER COURSE:-
THICKNESS: 60mm
MATERIAL: DENSE BINDER COURSE (20mm SIZE) TO BS 594987:2007 PD6691 Ref. AC20 DENSE BIN.

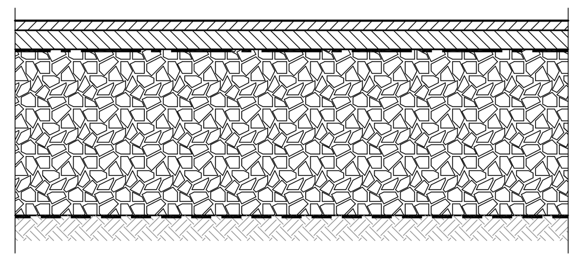
ROAD BASE:-
THICKNESS: 110mm
MATERIAL: DENSE BASE (32mm SIZE) TO BS 594987:2007 PD6691 Ref. AC32 DENSE BASE.

GRANULAR SUB-BASE:-
THICKNESS: 150mm
MATERIAL: TYPE 1 TO CLAUSE 803 OF SPECIFICATION FOR HIGHWAY WORKS.

GEOTEXTILE:
LOTRAK 50R.

CAPPING LAYER:-
THICKNESS: 300mm
MATERIAL: 6F2 (TO BE NON FROST SUSCEPTIBLE)

NOTE:
DESIGN BASED ON 2% CBR AS IDENTIFIED IN ARCADIS REPORT. FORMATION TO BE PROOF ROLLED AND ANY SOFT SPOTS TREATED AS PER THE SPECIFICATION.



TYPE 4 CONSTRUCTION
PARKING AREAS

WEARING COURSE:-
THICKNESS: 30mm
MATERIAL: DENSE SURFACE COURSE (6mm SIZE) TO BS 594987:2007 PD6691 Ref. AC6 DENSE SURF.

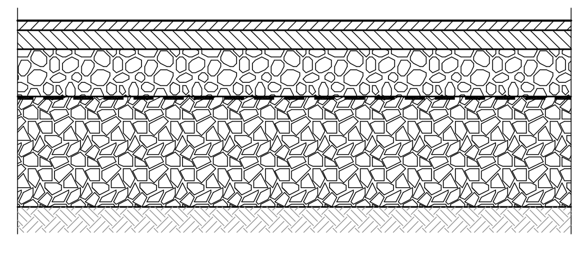
BASE COURSE:-
THICKNESS: 60mm
MATERIAL: DENSE BINDER COURSE (20mm SIZE) TO BS 594987:2007 PD6691 Ref. AC20 DENSE BIN.

GEOTEXTILE.
LOTRAK 50R.

POROUS SUB-BASE:-
THICKNESS: 525mm
MATERIAL: 4/20 COURSE AGGREGATE TO BS 7533 - 13 2009 TABLE A.1, A.3, AND CLAUSES 6.2 & 6.3.

GEOMEMBRANE.
POROUS SUB BASE TO BE WRAPPED (TOP, BOTTOM & SIDES) WITH TERRAM 1000 OR EQUIVALENT.

NOTE:
DESIGN BASED ON 2% CBR AS IDENTIFIED IN ARCADIS REPORT. FORMATION TO BE PROOF ROLLED AND ANY SOFT SPOTS TREATED AS PER THE SPECIFICATION.



TYPE 4a CONSTRUCTION
PARKING AREAS

WEARING COURSE:-
THICKNESS: 30mm
MATERIAL: DENSE SURFACE COURSE (6mm SIZE) TO BS 594987:2007 PD6691 Ref. AC6 DENSE SURF.

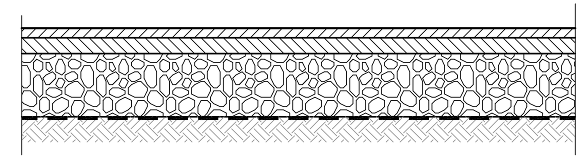
BASE COURSE:-
THICKNESS: 60mm
MATERIAL: DENSE BINDER COURSE (20mm SIZE) TO BS 594987:2007 PD6691 Ref. AC20 DENSE BIN.

SUB-BASE:-
THICKNESS: 150mm
MATERIAL: TYPE 1 TO CLAUSE 803 OF SPECIFICATION FOR HIGHWAY WORKS.

GEOTEXTILE:
LOTRAK 50R.

CAPPING:
THICKNESS: 350mm
MATERIAL: 6F1 / 6F2 TO SPECIFICATION FOR HIGHWAY WORKS

NOTE:
DESIGN BASED ON 2% CBR AS IDENTIFIED IN ARCADIS REPORT. FORMATION TO BE PROOF ROLLED AND ANY SOFT SPOTS TREATED AS PER THE SPECIFICATION.



TYPE 5 CONSTRUCTION
PEDESTRIAN FOOTPATH

WEARING COURSE:-
THICKNESS: 30mm
MATERIAL: DENSE SURFACE COURSE (6mm SIZE) TO BS 594987:2007 PD6691 Ref. AC6 DENSE SURF.

BASE COURSE:-
THICKNESS: 50mm
MATERIAL: DENSE BINDER COURSE (20mm SIZE) TO BS 594987:2007 PD6691 Ref. AC20 DENSE BIN.

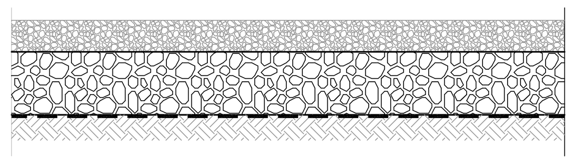
GRANULAR SUB-BASE:-
THICKNESS: 200mm
MATERIAL: TYPE 1 TO CLAUSE 803 OF SPECIFICATION FOR HIGHWAY WORKS.

GEOTEXTILE:
LOTRAK ADVANCE.

NOTE:
DESIGN BASED ON 2% CBR AS IDENTIFIED IN ARCADIS REPORT. FORMATION TO BE PROOF ROLLED AND ANY SOFT SPOTS TREATED AS PER THE SPECIFICATION.

General Notes:

1. DO NOT SCALE THIS DRAWING.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS, SCHEDULES AND SPECIFICATIONS.
3. ALL PRECAST CONCRETE PRODUCTS SHALL BE HYDRAULICALLY PRESSED AND SHALL CONTAIN GRANITE AGGREGATE UNLESS NOTED.
4. ALL CONCRETE BEDDING AND BACKING TO BE ST2 TO BS 5328 : 1991.
5. REFER TO ARCHITECTS DRAWINGS FOR EXTERNAL LEVELS.
6. REFER TO ARCHITECTS DRAWINGS FOR POSITIONS OF CAR PARK MARKINGS AND FURNITURE.



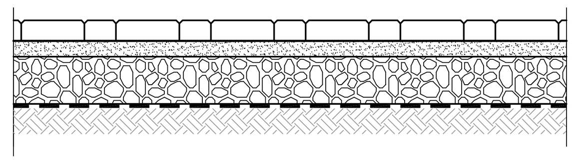
TYPE 7 CONSTRUCTION
SPRINKLER COMPOUND

WEARING COURSE:-
THICKNESS: 100mm
MATERIAL: 20mm SINGLE SIZED FREE DRAINING AGGREGATE.

GRANULAR SUB-BASE:-
THICKNESS: 200mm
MATERIAL: TYPE 1 TO CLAUSE 803 OF SPECIFICATION FOR HIGHWAY WORKS.

GEOTEXTILE:
LOTRAK 50R.

NOTE:
DESIGN BASED ON 2% CBR AS IDENTIFIED IN ARCADIS REPORT. FORMATION TO BE PROOF ROLLED AND ANY SOFT SPOTS TREATED AS PER THE SPECIFICATION.



TYPE 8 CONSTRUCTION
MOTORCYCLE PARKING AREA

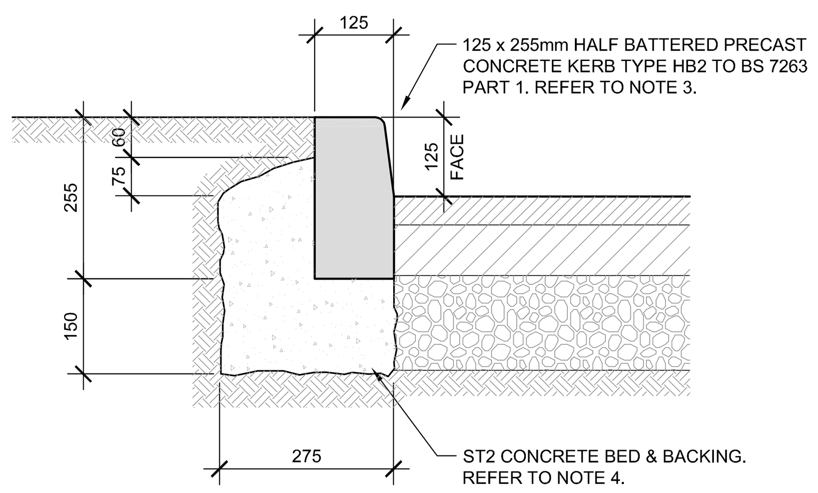
WEARING COURSE:-
THICKNESS: 80mm
MATERIAL: BLOCK PAVIORS TO ARCHITECTS' SPECIFICATION.

LAYING COURSE:-
THICKNESS: 50mm
MATERIAL: COMPACTED SAND TO COMPLY WITH BS6677 PART 3

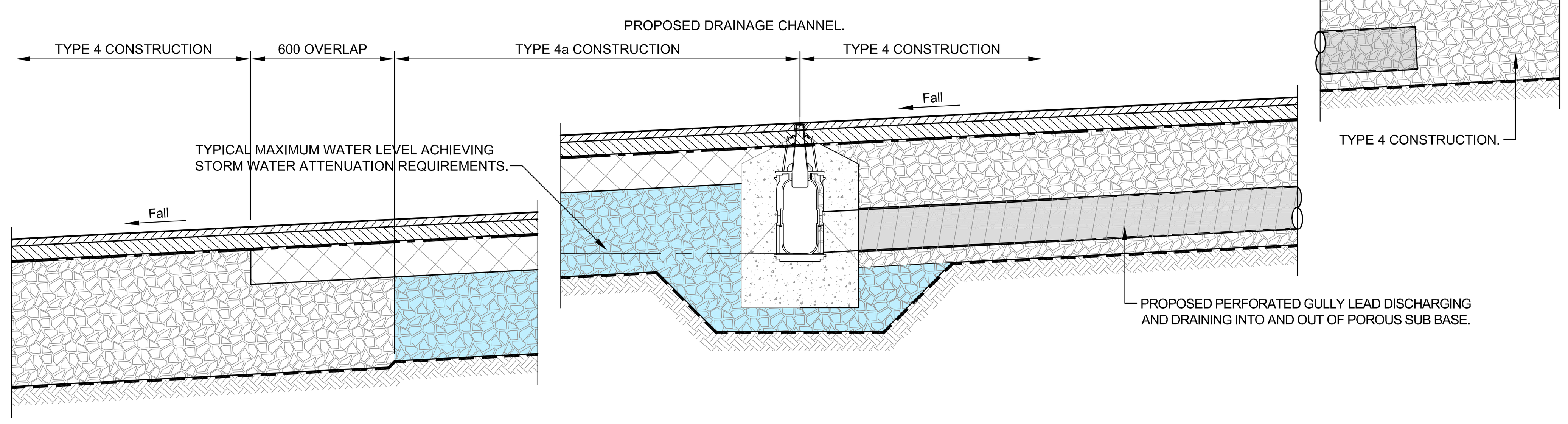
GRANULAR SUB-BASE:-
THICKNESS: 200mm
MATERIAL: TYPE 1 TO CLAUSE 803 OF SPECIFICATION FOR HIGHWAY WORKS.

GEOTEXTILE:
LOTRAK 50R.

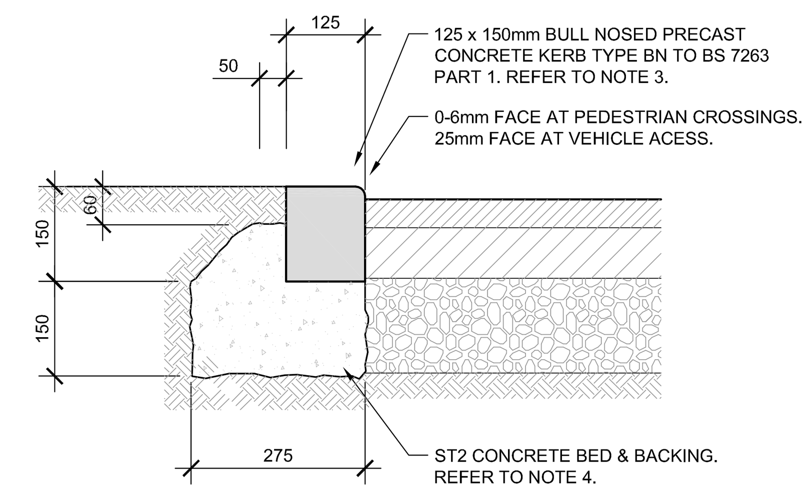
SUB GRADE CBR OF 5% ASSUMED
(TO BE PROVED BY SUB-CONTRACTOR).
SUB GRADE TO BE COMPACTED BY ROLLER. SOFT SPOTS TO BE REMOVED AND BACK FILLED WITH WELL COMPACTED CAPPING MATERIAL.



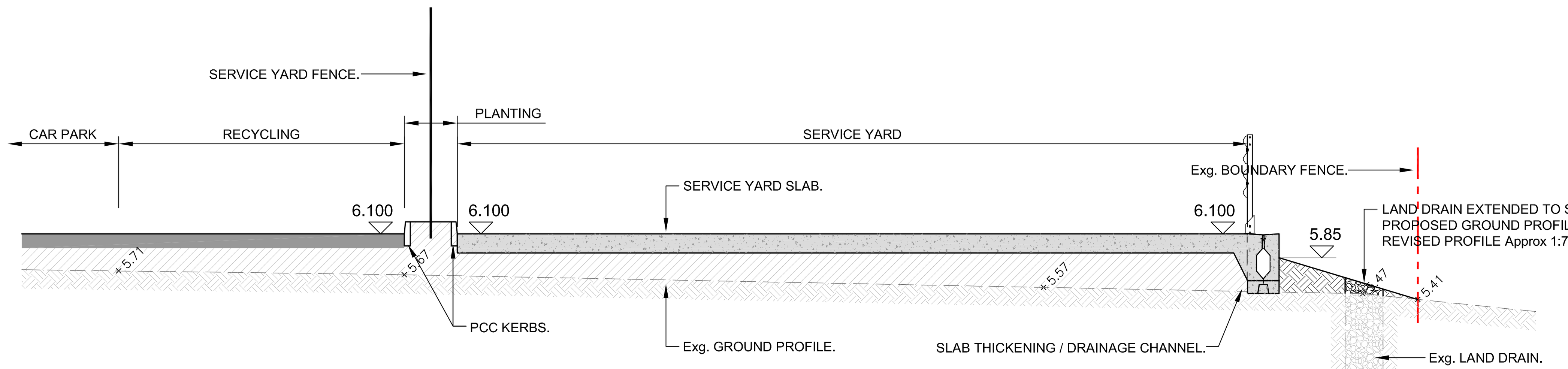
KERB DETAIL 'K1'
SCALE 1:10



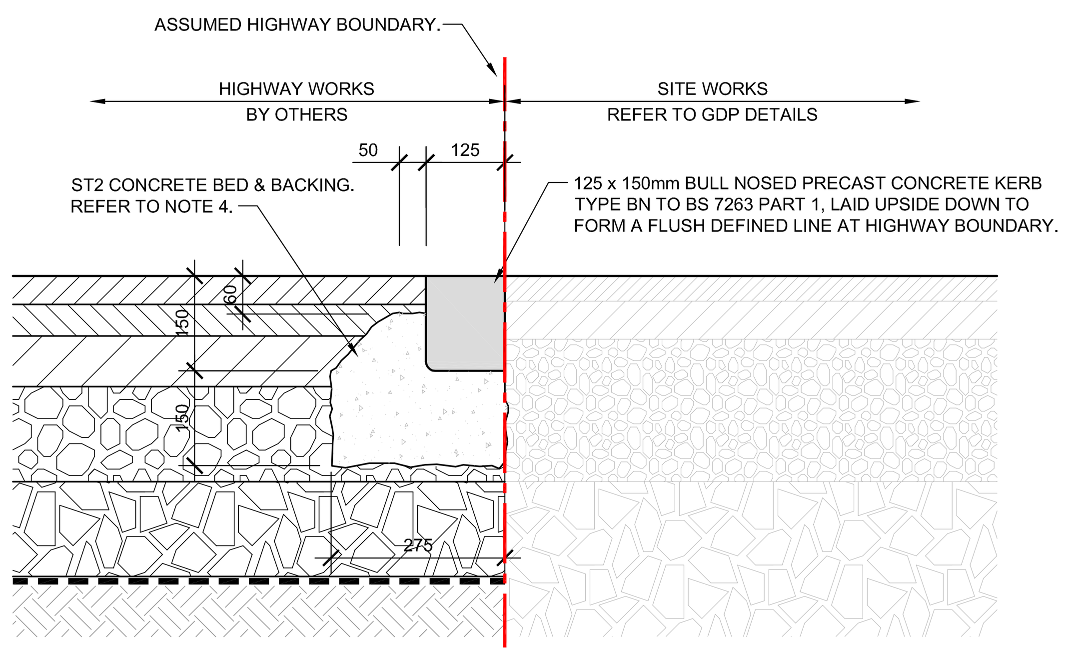
TYPICAL SECTION THROUGH CAR PARK DRAINAGE CHANNEL



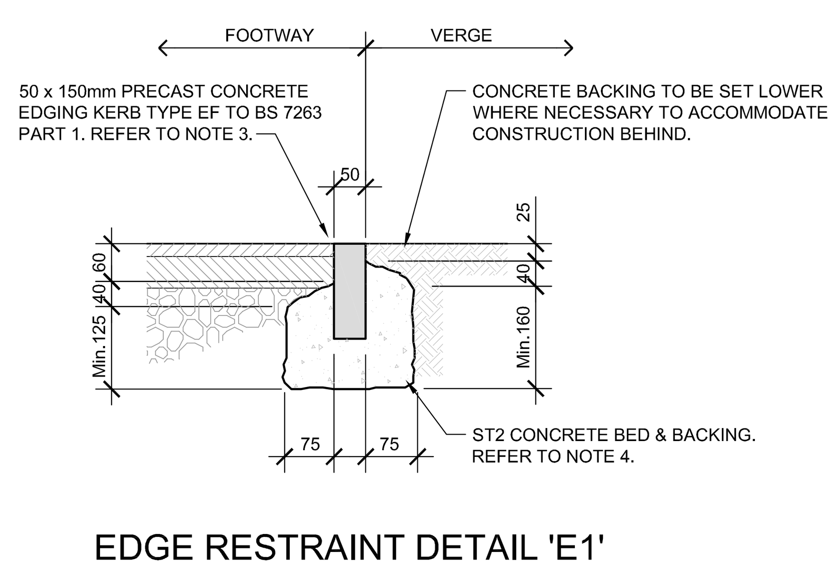
KERB DETAIL 'K2'
SCALE 1:10



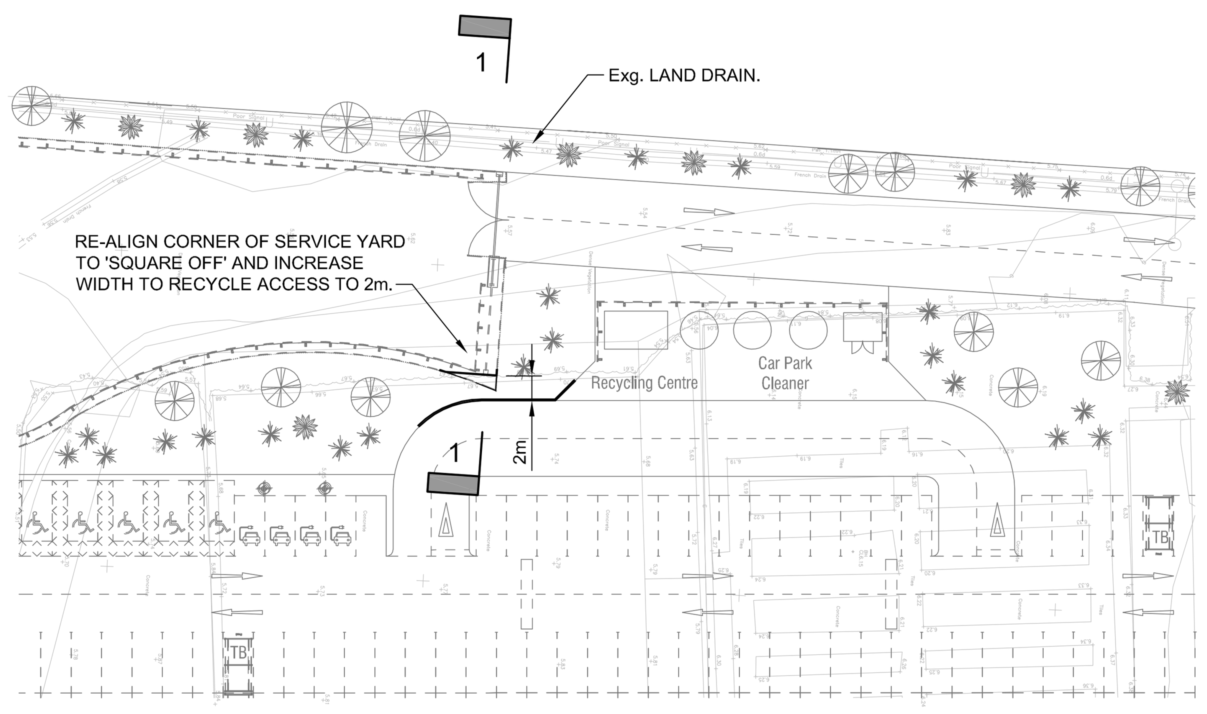
SECTION 1 - 1.
Hor 1:100, Vert 1:50



TYPICAL DETAIL AT HIGHWAY BOUNDARY
SCALE 1:10



EDGE RESTRAINT DETAIL 'E1'
SCALE 1:10



KEY PLAN.
1:500

POST CONSTRUCTION DRAWING

'AS BUILT' INFORMATION PROVIDED BY CONTRACTOR AND INCORPORATED INTO DESIGN DRAWINGS.

Rev.	Date:	By:	Chkd:	Revision Notes:
X	25.09.12	AK	PG	POST CONSTRUCTION ISSUE
B	21.05.12	RG	PG	CHANNEL / EDGE DETAIL TO SECTION 1-1 UPDATED.
A	26.03.12	RG	PHT	KEY PLAN & SECTION 1-1 ADDED.
-	05.03.12	RG	PHT	ISSUED FOR CONSTRUCTION.
T1	25.11.11	RG	SG	TYPE 2 & 4 AGGREGATE REFERENCES UPDATED, AND GEOTEXTILE & GEOMEMBRANE Ref's ADDED.
T-	12.11.11	RG	SG	TENDER ISSUE.
T-	12.11.11	RG	SG	TYPICAL CAR PARK SECTION UPDATED. TYPE 8 CONSTRUCTION DETAIL ADDED.
P1	17.10.11	RG	SG	TYPE 4 & 6 CONSTRUCTIONS OMITTED. TYPE 5 & 7 SUB BASE REDUCED TO 200mm. (from 250) TYPICAL SECTION THRO CAR PARK UPDATED.
X	26.09.12	AK	CM	POST CONSTRUCTION ISSUE
P-	03.10.11	RG	SG	ISSUED FOR INFORMATION.

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Email : contact@gdteam.co.uk

Client:
ASDA
part of the WAL*MART family

Project:
FERRING

Drawing:
EXTERNAL WORKS,
PAVING CONSTRUCTION DETAILS.

Scale: 1:20		at A1
Drawn: RG	Checked: SG	Date: Oct. '11
Job No:	Drawing No: 11-046-C.11	Rev: X