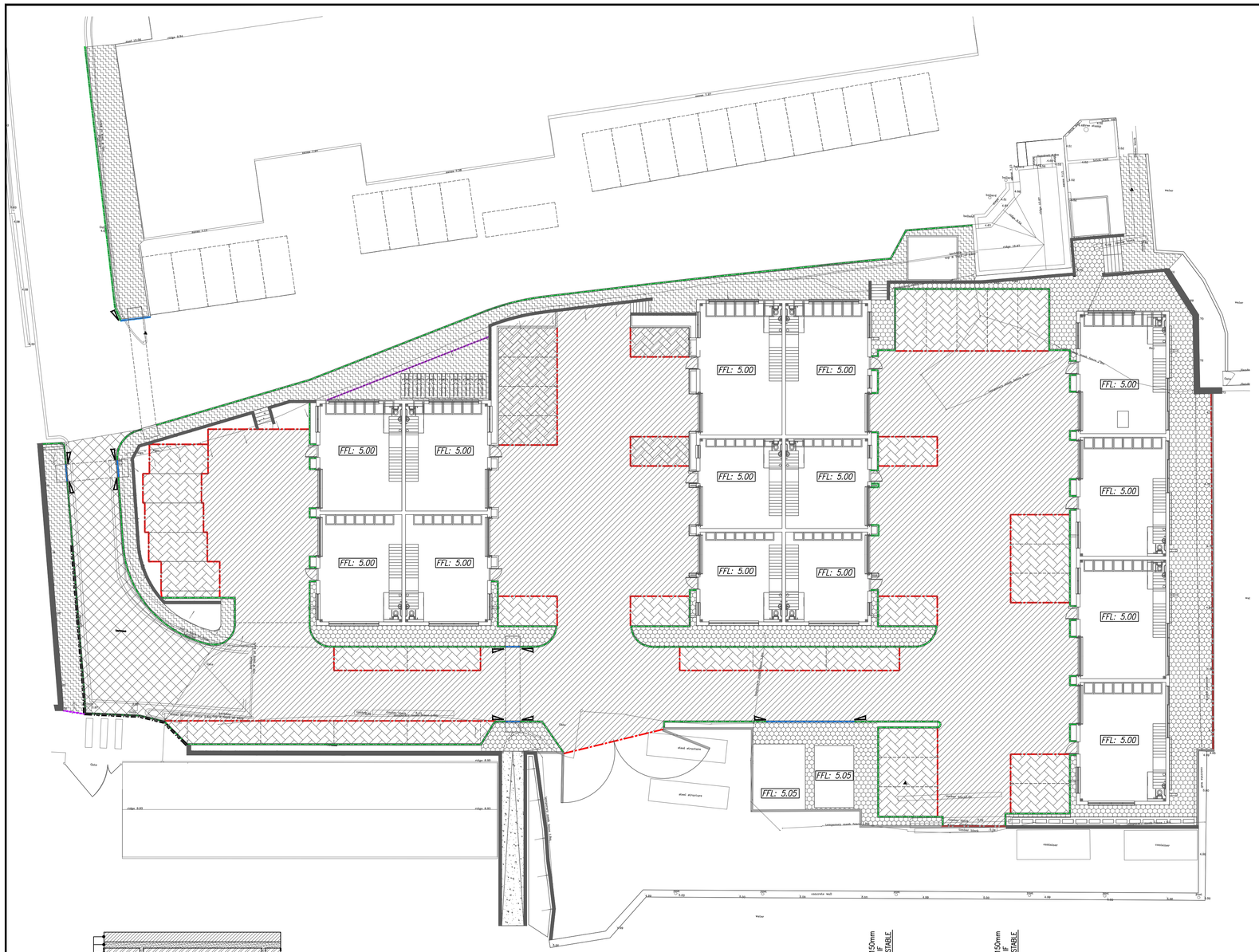


LEGEND

- POROUS TARMAC
- FLEXIBLE CARRIAGEWAY CONSTRUCTION
- PERMEABLE BLOCKS
- RESIN BOUND GRAVEL PERMEABLE
- RESIN BONDED GRAVEL
- CONCRETE RAMPS
- BULLNOSED KERB LINE 50mm UPSTAND
- BULLNOSED KERB LINE 6mm UPSTAND
- CS KERB FLUSH
- PCC FLUSH EDGING
- DROPPER KERB

N

INDICATIVE ONLY

GENERAL NOTES :

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
2. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY, SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
3. ALL LEVELS SHOWN SUBJECT TO CONFIRMATION BY THE ARCHITECT. ANY ANOMALIES TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
4. ALL SETTING OUT CO-ORDINATES TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY ANOMALIES TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
5. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT LOCAL AUTHORITY SPECIFICATIONS.
6. GENERALLY CROSS FALLS TO ADOPTED HIGHWAY AND FOOTWAY TO BE 1 IN 40.
7. ALL EXISTING MANHOLE COVERS, GULLYS, ETC., TO BE RAISED TO SUIT NEW LEVELS.
8. RE-GRADING AND HIGHWAY EMBANKMENTS ARE TO HAVE A MAXIMUM SLOPE GRADIENT OF 1:3. SLOPE GRADIENTS IN GARDENS TO BE RESTRICTED TO 1 IN 12.
9. LEVELS SHOWN ADJACENT TO KERBS ARE CHANNEL LEVELS. BN KERBS TO HAVE 50mm UPSTAND, 6mm UPSTAND AT DROPPED CROSSING
10. ROAD CONSTRUCTION HAS BEEN DESIGNED TO A CBR VALUE OF CBR15% WITHIN THE VIBRO COMPACTED AREAS AND 2% ELSEWHERE TBC.
11. SOFT SPOTS IN THE FORMATION ARE TO BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
12. ALL PROPOSED SIGNING AND LINING, AND ANY EXISTING TO BE REINSTATED, IS TO BE IN ACCORDANCE WITH THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2002 AND TO THE SATISFACTION OF THE HIGHWAYS INSPECTOR.
13. NO BLOCKS/SLABS WITH A UNIT WEIGHT IN EXCESS OF 20Kg TO BE USED.
14. KERBS IN EXCESS OF 20kG TO BE MACHINE LAID

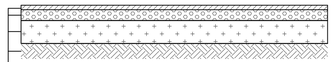
EXTERNAL LEVELS LEGEND

- 1:XX — GRADIENT
- +00.000 — PROPOSED LEVEL
- RW RW — PROPOSED RETAINING WALL
- FFL: 0000 TBC — PROPOSED FFL

SAFETY HEALTH AND ENVIRONMENTAL ISSUES

THE FOLLOWING ITEMS ARE CONSIDERED BY THE DESIGNER TO BE A SIGNIFICANT RISK DURING CONSTRUCTION. THESE ARE ALSO IDENTIFIED WITH SEPARATE WARNING BOXES ON THE DRAWING. THE LIST IS NOT EXHAUSTIVE BUT HAS BEEN PREPARED TO COMMUNICATE RISKS WHICH HAVE BEEN IDENTIFIED DURING THE DESIGN PROCESS. FOR MORE DETAILED INFORMATION REFER TO THE DESIGN HAZARD INVENTORY.

- WORKING ADJACENT TO FLOOD ZONE 2 & 3.
- GROUND ANCHORS BENEATH THE SITE.



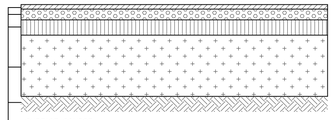
- SURFACE COURSE
  2–5mm RESIN BONDED HAND SCATTERED AGGREGATE FINISH BY ADDAGRIP APPROVED INSTALLERS
- ADDACRYL SEALER TO BE APPLIED BY ADDAGRIP APPROVED INSTALLERS
- BINDER COURSE
  30mm AC10 OPEN GRADED MACADAM SURF 100/150 OF PROPRIETY REF 7.2 OR 30mm THICKNESS 10mm SMA (MAX 125 PEN) T
- SUB BASE
  150mm THICKNESS TYPE 1 GRANULAR MATERIAL
- FORMATION

RESIN BONDED GRAVEL FOOTWAY CONSTRUCTION



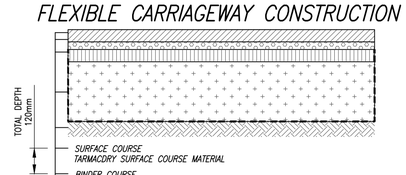
- SURFACE COURSE
  20mm – ADDAGRIP 6mm AGGREGATE
- BINDER COURSE
  A 70mm DEPTH OF AC 10 OPEN SURF ASPHALT CONCRETE MAX 100/150 PEN TO BS EN 13108-1:2006. (BITUMINOUS MACADAM) OR 50mm TERRABOUND BASE
- SUB BASE
  OPEN GRADED CRUSHED ROCK (OGCR) WITH A MIN POROSITY OF 0.32 IN ACCORDANCE WITH BS EN12620: 2002 (TABLE 2). COMPACTED IN MAX 150mm LAYERS
  REFER TO DRAINAGE LAYOUT FOR DEPTH AND FALL
- MARSHALLS M380 IMPERMEABLE GEOMEMBRANE
  (TO RUN ALONG THE BOTTOM AND SIDES OF FORMATION)
- FORMATION

RESIN BOUND GRAVEL PERMEABLE FOOTWAY CONSTRUCTION



- SURFACE COURSE
  30mm THICKNESS AC 10 CLOSE SURF 70/100 PEN BINDER TO B.S. 59498:2007 AND P.D. 6691:2007
- BINDER COURSE
  70mm THICKNESS AC 20 DENSE BIN PEN 70/100 PEN TO BS 594987:2007, PD6691:2007 & BS EN 13108
- BASE COURSE
  100mm THICKNESS AC 32 DENSE BASE 70/100 PEN BINDER TO BS 594987:2007, PD6691:2007 &BS EN 13108
- SUB BASE
  300mm TYPE 1 GRANULAR MATERIAL
- FORMATION

FLEXIBLE CARRIAGEWAY CONSTRUCTION



- SURFACE COURSE
  TARMACDRY SURFACE COURSE MATERIAL
- BINDER COURSE
  TARMACDRY BINDER COURSE MATERIAL
- BASE COURSE
  80mm THICKNESS AC 32 DENSE BASE 70/100 PEN BINDER TO BS 594987:2007 AND BS EN 13108

  75ø HOLES @ 0.750 MTR HORIZONTAL AND VERTICAL CENTRES FILLED WITH 50mm WASHED 6mm AGGREGATE

  NOTE:
  HOLES TO BE DRILLED IN BASE COURSE ONLY WHEN CONSTRUCTION TRAFFIC HAS CEASED. CONTRACTOR TO ENSURE THAT BASE COURSE IS CLEAN AND HOLES ARE FREE FROM ANY MATERIAL OTHER THAN WASHED AGGREGATE PRIOR TO LAYING THE LAYING COURSE. IF THE SUB BASE IS NOT TO BE USED FOR CONSTRUCTION TRAFFIC THEN THE DBM LAYER MAY BE OMMITED
- SUB-BASE
  OPEN GRADED CRUSHED ROCK (OGCR) WITH A MIN POROSITY OF 0.32 IN ACCORDANCE WITH BS EN12620: 2002 (TABLE 2). COMPACTED IN MAX 150mm LAYERS
  REFER TO DRAINAGE LAYOUT FOR DEPTH AND FALL
- MARSHALLS M380 IMPERMEABLE GEOMEMBRANE
  (TO RUN ALONG THE BOTTOM AND SIDES OF FORMATION)
- FORMATION TO BE PROOF ROLLED AND ANY BULKY, EXCESSIVELY SOFT, DEGRADABLE OR OTHERWISE UNSUITABLE MATERIALS THUS IDENTIFIED SHOULD BE REMOVED AND REPLACED WITH WELL COMPACTED CAPPING MATERIAL.

TARMACDRY POROUS ASPHALT CONSTRUCTION DETAIL

Rev.	Date	Description	Chk'd	App'd
C	06.07.18	DISABLED RAMP REMOVED, LANDLORDS ELECTRIC KIOSK AND SUBSTATION ADDED. NOTE ON SLABS TO CYCLE STORE, BIN STORE, LANDLORDS KIOSK AND SUBSTATION SLAB ADDED	CS	CS
B	25.04.18	UPDATED TO SUIT REVISED SITE LAYOUT	CS	CS
A	12.04.18	DETAILS UPDATED	CS	CS
–	09.04.18	FIRST ISSUE	CS	CS

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Client
SHOREHAM PORT AUTHORITY

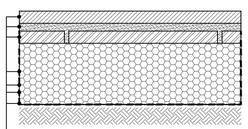
Architect
ECE ARCHITECTURE

Project Title
LADY BEE ENTERPRISE CENTRE
SHOREHAM

Drawing Title
EXTERNAL WORKS
& CONSTRUCTION DETAILS

Scale @ A1	Drawn	Date
1:200/20	SB	APR 2018
	Engineer: SB	Checked: CS

Project Number	Drawing Number	Revision
42010	102	C



- SURFACE COURSE
  80mm MARSHALLS PRIORA BLOCKS LAID TO BS7533
  JOINTS TO BE FULLY FILLED WITH 6mm WASHED AGGREGATE
- LAYING COURSE
  50mm WASHED 6mm AGGREGATE
- BASE COURSE
  90mm THICKNESS AC 32 DENSE BASE 50 PEN BINDER TO BS 594987:2007 AND BS EN 13108.

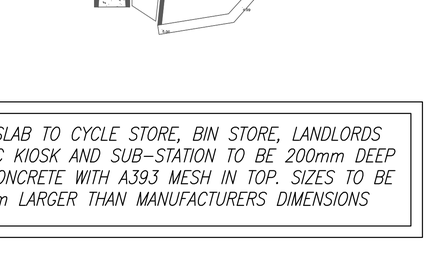
  75ø HOLES @ 0.750 MTR HORIZONTAL AND VERTICAL CENTRES FILLED WITH LAYING COURSE AGGREGATE.
- SUB-BASE
  OPEN GRADED CRUSHED ROCK (OGCR) WITH A MIN POROSITY OF 0.32 IN ACCORDANCE WITH BS EN12620: 2002 (TABLE 2). COMPACTED IN MAX 150mm LAYERS
  REFER TO DRAINAGE LAYOUT FOR DEPTH AND FALL
- MARSHALLS M380 IMPERMEABLE GEOMEMBRANE
  (TO RUN ALONG THE BOTTOM AND SIDES OF FORMATION)
- FORMATION

  NOTE:
  HOLES TO BE DRILLED IN BASE COURSE ONLY WHEN CONSTRUCTION TRAFFIC HAS CEASED. CONTRACTOR TO ENSURE THAT BASE COURSE IS CLEAN AND HOLES ARE FREE FROM ANY MATERIAL OTHER THAN WASHED AGGREGATE PRIOR TO LAYING THE LAYING COURSE. IF THE SUB BASE IS NOT TO BE USED FOR CONSTRUCTION TRAFFIC THEN THE DBM LAYER MAY BE OMMITED

80mm PERMEABLE BLOCK PAVED CAR PARK CONSTRUCTION (ATTENUATION)

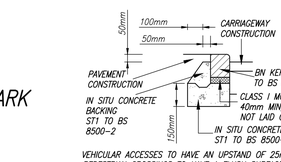
MARSHALLS PRIORA
IMPERMEABLE PAVING SYSTEM
TO BE CONSTRUCTED IN ACCORDANCE WITH MARSHALLS DETAILS AND SPECIFICATION.

RAFT SLAB TO CYCLE STORE, BIN STORE, LANDLORDS ELECTRIC KIOSK AND SUB-STATION TO BE 200mm DEEP RC30 CONCRETE WITH A393 MESH IN TOP. SIZES TO BE 50mm LARGER THAN MANUFACTURERS DIMENSIONS



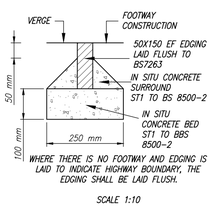
PERMEABLE BLOCK PAVED CAR PARK CONSTRUCTION KERB DETAILS

KERBS TO BE INSTALLED PRIOR TO LAYING SUB-BASE AND TARMAC TO PROVIDE EDGE RESTRAINT



VEHICULAR ACCESSES TO HAVE AN UPSTAND OF 25mm. PEDESTRIAN CROSSINGS TO HAVE A FLUSH SURFACE. FOR PRACTICAL CONSTRUCTION, AND SURFACE WATER PURPOSES, A FLUSH KERB WILL HAVE AN UPSTAND OF BETWEEN 0 AND 6mm.

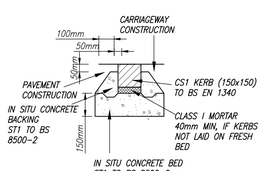
BN KERB



WHERE THERE IS NO FOOTWAY AND EDGING IS LAID TO INDICATE HIGHWAY BOUNDARY, THE EDGING SHALL BE LAID FLUSH.

SCALE 1:10

EF EDGING FOOTWAY EDGE DETAIL



CS KERB (FLUSH)