



Survey Station Co-ordinates			
Station	Easting	Northing	Level
ST01	298919.011	86131.534	33.499
ST02	298979.603	86165.758	33.642
ST03	298909.613	86115.611	33.443

Kerb Legend	
HB2	Proposed PCC full kerb type HB2 with 125 upstand
CS1	Proposed 125 x 225mm PCC square channel to be laid flush with adjacent surfacing

TABLE 1 FOR CAR PARKS, INFREQUENT USE ACCESSES & NO CONSTRUCTION VEHICLES

CBR VALUE%	SUB BASE ALONE	SUB BASE AND CAPPING LAYER	GEOTEXTILE REQUIRED
<2	550	150 + 600	YES
2	400	150 + 450	YES
3	300	150 + 350	YES
4	250	150 + 250	
5	225	150 + 200	
6	200	150 + 150	
7 or over	150		

**SUB BASE TABLE**  
 NOTE: THE WATER TABLE SHOULD NOT RISE TO WITHIN 600mm OF THE FORMATION; SUB SOIL DRAINAGE OR RAISING THE LEVEL IS TO BE CONSIDERED TO PREVENT THIS.

SUB BASE TO BE TYPE 1 MATERIAL IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS CLAUSE 803.

CAPPING MATERIAL TO BE 6F1 MATERIAL IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS.

**Specification : Medium Weight Vehicle Private Access**  
**Surface Course:**  
 SMA 10 surf 40/60  
 30mm Industrial grade SMA surface course to BS EN 13108:Part 5:2006 & PD 6691  
 10mm nominal size aggregate pre-coated chippings  
 Minimum polished stone value 57 PSV  
 A polymer-modified bond coat applied in accordance with the manufacturer's instructions will be required to be applied immediately prior to laying the SMA surface course. The bond coat shall be applied in accordance with the manufacturer's recommendations.

**Binder course:**  
 AC 20 bin 40/60  
 60mm dense binder course bitumen macadam to BS EN 13108:Part 1:2006  
 0/20mm dense binder course

**Road base:**  
 AC 32 base 40/60  
 100mm dense binder course bitumen macadam to BS EN 13108:Part 1:2006  
 0/32mm dense binder course

**Sub-base:**  
 Granular material Type 1 to DoT Specification Clause 803, thickness dependent on site specific CBR test result, refer to table for guidance. Granular material laid in accordance with DoT Specification Clause 802.

**Capping:**  
 Capping material to comply with SHW Types 6F1, 6F2, 6F3, 6F4 or 6F5 may be provided. (Types 6F1, 6F2 & 6F3 will be subject to onsite testing.) This shall comprise non-agglomerate material and, where the material size permits, shall have a CBR value of at least 15% when tested in accordance with BS1377: Part 4:7 at the in-situ moisture content following compaction. Appropriate thicknesses of capping layer are shown on **Table 1**.

**Geotextile:**  
 Terram 1000 or similar approved separation membrane (**Required when CBR is less than 4%**).

**Subgrade:**  
 Design CBR of 5% estimated within granular river terrace deposits but if cohesive deposits are encountered a CBR of 3% should be utilised and based on 24227-HYD-XX-XX-RP-GE-1001 report. Subgrade to be subject to CBR tests at 20 metre intervals in order to confirm sub base thickness. CBR's to be confirmed to highway authority or engineer.

Sub grade to be prepared in accordance with DoT Specification

Any soft spots in subgrade are to be removed and replaced with well compacted layers of Type 6F4 or 6F5 material  
**Specification : Grass Verges**  
 150mm thick topsoil & seeded.

Verges are to be seeded at a rate of not less than 30g/m<sup>2</sup>. The mix shall be as detailed in the Specification for Highway Works:

Perennial Rye Grass	25%
Strong Creeping Red Fescue	20%
Hard Fescue	30%
Smooth Stalked Meadow Grass	10%
Highland Browntop Bent	10%
Huia White Clover	5%

KEY PLAN

NOTES

REVISIONS

PO2	STAGE 3 ISSUE				
	T.BELLINGHAM	21.07.23	A.THOM	21.07.23	A.THOM
PO1	ISSUE FOR INFORMATION				
	J.MASTERS	06.04.23	P.START	06.04.23	P.START
REV	REVISION NOTES/COMMENTS				
	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY



CLIENT  
 VIVO Defence Services Ltd

PROJECT  
 LYMPSTONE CAR PARK

TITLE  
 SURFACING SPECIFICATION PLAN

HYDROCK PROJECT NO. C-24227-C	SCALE @ A1 1:250
STATUS DESCRIPTION SUITABLE FOR CO-ORDINATION	STATUS S1
DRAWING NO. (PROJECT CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER) 24227-HYD-XX-XX-DR-C-400	REVISION PO2