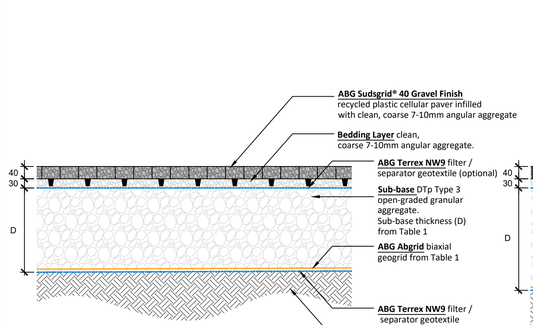
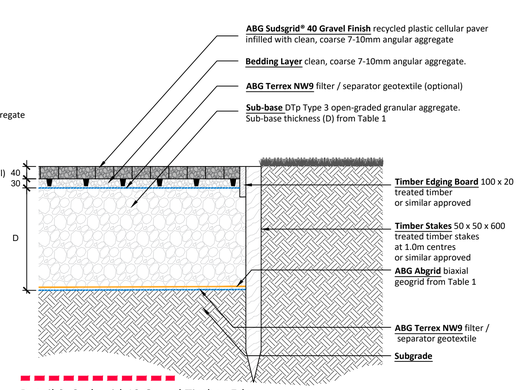


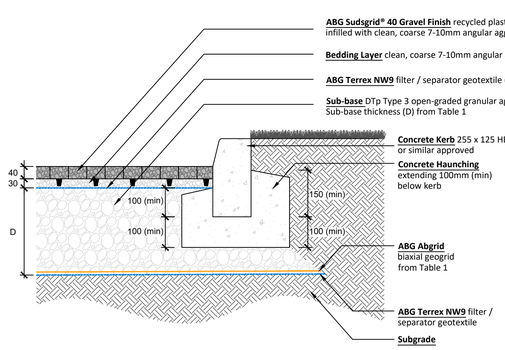
Table 1: Sudsgrid® DTp Type 3 sub-base thickness (D) requirements					
Area	**Vehicle load and frequency**	**CBR strength of subgrade soil (%)**	**DTp Type 3 sub-base thickness (D, mm)**	**ABG Abgrid Geogrid**	**ABG Abweb GW TRP**
ACCESS ROAD Sudsgrid 40 Gravel No-Dig TRP	Light vehicles only with emergency HGV access	≈1 < 2	300	30/30	200/300
CAR PARK CIRCULATION AREAS Sudsgrid 40 Gravel	Light vehicles only with emergency HGV access	≈1 < 2	300	30/30	N/A
CAR PARK PARKING BAYS Sudsgrid 40 Grass	Light vehicles only with emergency HGV access	≈1 < 2	300	30/30	N/A



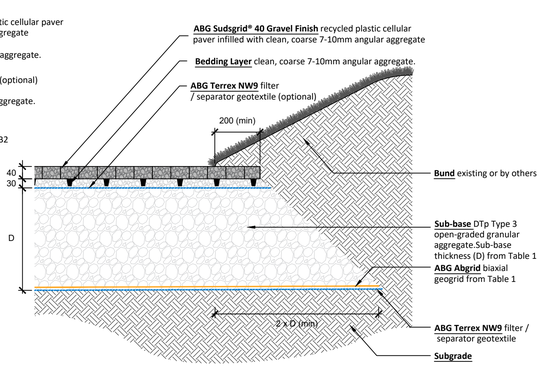
Detail 1 Sudsgrid 40 Gravel General Build Up



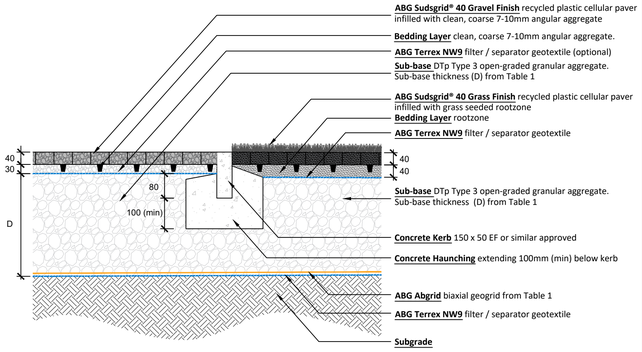
Detail 2. Sudsgrid 40 Gravel Timber Edge



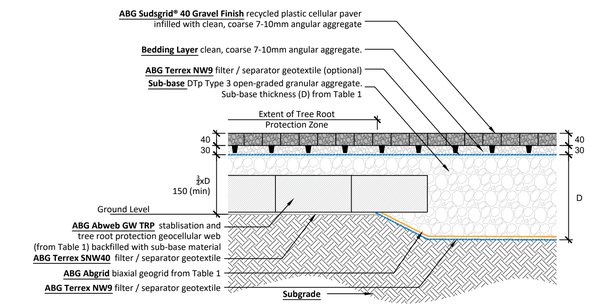
Detail 3. Sudsgrid 40 Gravel Raised Kerb (if required)



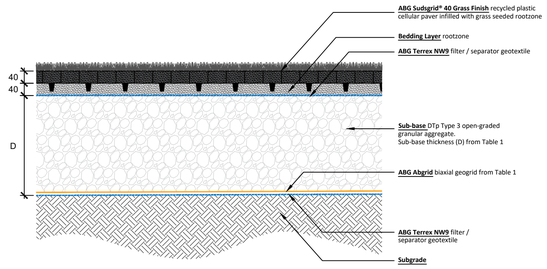
Detail 4. Sudsgrid 40 Gravel Bunded Edge (if required)



Detail 5. Transition from Sudsgrid 40 Gravel to Sudsgrid 40 Grass



Detail 7. Transition from Sudsgrid 40 Gravel **No-Dig TRP (access road) to** Sudsgrid 40 Gravel



Detail 6. Sudsgrid 40 Grass General Build Up

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER HBL DRAWINGS ISSUED FOR THIS PROJECT

Notes:

1. The ABG Sudsgrid® 40 Gravel Finish infill material and bedding layershall comprise porous, clean angular aggregate: 3-14mm particle size, with greater proportion in 7-10mm range, and in accordance with Table A.3 of BS 7533-13.
2. The ABG Sudsgrid® Grass Finish infill material and bedding layer shall comprise Grass seeded free-draining 60:40 sand:soil rootzone blend.
3. The Sub-base shall be Department for Transport (DTp) Type 3 open-graded granular aggregate in accordance with the Manual of Contract Documents for Highway Works, Volume 1 Specification for Highway Works (SHW), Series 800, Clause 805. The aggregate must have a permeability of 10^{-3} m/s or more.
4. For further information regarding any of the products/details shown in this drawing please refer to ABG website (http://www.abg-geosynthetics.com/products/sudsgrid.html) or contact ABG who will be pleased to provide you with technical information and site specific designs as required.

LEGEND

PERMEABLE CIRCULATION AREAS
Sudsgrid 40 Gravel
(APPROX. AREA = 9347 m²)

PERMEABLE GEOGRID PARKING BAYS
Sudsgrid 40 Grass
(APPROX. AREA = 13563m²)

EDGEING DETAIL
(886 LINEAR METRES APPROX.)

REV.	DATE	DRAWN	DESCRIPTION	CHKD	APPRD
P5	OCT'21	ES	NOTE : "DO NOT SCALE FROM THIS DRAWING" REMOVED	HL	HL
P4	JUL'21	ES	DETAILS REVISED	HL	HL
P3	JUN'19	TAT	MINOR AMENDMENTS	HL	HL
P2	JUN'19	HM	PLAN AND DETAILS REVISED	HL	HL
P1	MAR'19	TAT	PRELIMINARY FOR INFORMATION	HL	HL
P0	JAN'19	TAT	PRELIMINARY FOR INFORMATION	HL	HL

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STATUS
PRELIMINARY FOR INFORMATION

CLIENT: MERLIN ENTERTAINMENTS LTD	DRAWN: T.A.TAYLOR
PROJECT: ATR CAR PARK PROJECT	CHECKED: H.LONG
LOCATION: ALTON TOWERS	APPROVED: H.LONG
DRAWING TITLE: CAR PARK PLAN AND CONSTRUCTION DETAILS	DATE: JANUARY 2019
	SCALE(S): 1:500, 1:10 — A1
DRAWING No.: 001	HBL REF.: 7271
	REVISION: P5

FILE REF R:/JOBS CURRENT/