

NOTES:

ALL BUILD-UPS SHOWN ON THIS DRAWING ARE BASED ON GROUND HAVING A CBR VALUE OF 2.5%. ANY VARIATION FROM THIS FIGURE WILL REQUIRE AN AMENDED SUB-BASE SPECIFICATION - SEE TABLE. IN-SITU CBR TESTING WILL BE REQUIRED AT FORMATION LEVEL & TO BE IN "SOAKED" CONDITION.
 SUB-BASE TO BE TYPE 1 & TYPE 3 GRANULAR MATERIAL TO

CBM TO BE TO BS7533 REQUIREMENTS. CAPPING TO BE 6F2 (OR 6F1) MATERIAL IN ACCORDANCE ALL COURSE DEPTHS ARE MINIMUM REQUIRED (AFTER FULL COMPACTION) OVER NON-ORGANIC, NATURAL SUB-SOILS AT

			_			
ROADS				FOOTWAYS		
BR	CAPPING + SUB-BASE	SUB-BASE ONLY		CBR	SUB-BASE	
				<2%	250mm	
2.0%*	600mm + 150mm			2%-5%	200mm	
2.0%*	450mm + 150mm			5%>	150mm	
2.5%	400mm + 150mm	350mm		PATHS		
3.0%	350mm + 150mm	300mm		CBR	SUB-BASE	
1.0%	300mm + 150mm	250mm		<2%	200mm	
0/ 450/	NOT REQUIRED	250mm	- 1	2%-5%	150mm	
5%-15%	NOT REQUIRED	25011111	L	270 070	100111111	
5%>	NOT REQUIRED	150mm		5%>	100mm	
5%>	NOT REQUIRED STABILISATION RE	150mm	AR	5%>	100mm	

ALTERNATIVE SUB-BASE CONSTRUCTION FOR VARIATIONS OF IN-SITU CBR VALUES

_ 20mm AC 6 CLOSE SURF 100/150 - 50mm AC 20 DENSE BIN 100/150 - 150mm TYPE 1 SUB-BASE

FOOTWAY OR PLAYGROUND (PEDESTRIAN ONLY)

30mm SMA 10 SURF (or 40mm HRA 55/10 SURF 40/60) - 70mm AC 20 HDM BIN 40/60 **CAR PARKING BAYS** - 150mm AC 32 BASE 40/60 - 350mm TYPE 1 SUB-BASE or 150mm TYPE 1 & 400 6F2 CAPPING

125x150 BN3 BULLNOSED

PRECAST CONCRETE KERB

GEN0/ST1 CONCRETE FOUNDATION & BACKING ON 150min TYPE 1 SUB BASE

BULLNOSED KERB

TO BE PROPRIETARY PRECAST CONCRETE UNITS WITH GENO/ST1 CONCRETE FOUNDATION & BACKING AS

APPROPRIATE FOR ADJACENT

TRANSITION KERB

125x255 HB2 HALF BATTERED (12.5°) PRECAST CONCRETE

150x150 CS4 CHANNEL SQUARE PRECAST CONCRETE KERB (FLUSH) NB REMOVAL

GEN1/ST2 CONCRETE

FOUNDATION & BACKING

ROAD CONSTRUCTION

AS DETAILED

SUB BASE

PERMITTED IF ON HIGH SIDE OF ROAD

20mm AC 6 CLOSE SURF 100/150 (COLOUR TO BE CONFIRMED) - 50mm AC 20 DENSE BIN 100/150 - 150mm TYPE 1 SUB-BASE

COULOURED HEAVY GOODS ACCESS

200mm RC40/50XF CIIIA PLAST S3 XC4 XF4 GRADE CONCRETE SLAB - 60mm AC 20 DENSE BIN 100/150 -100mm AC 32 BASE 100/150 - 350mm TYPE 1 SUB-BASE or 150mm TYPE 1 & 400mm 6F2

(MIN CEMENT CONTENT 340kg/m³, MAX WATER:CEMENT RATIO 0.45) WITH A393 MESH BTM (55 COVER). SLAB TO BE GENERALLY BRUSH FINISHED BUT WITH 100 WIDE STRIP STEEL FLOAT FINISH TO ALL EDGES ON SLAB & JOINTS

350mm TYPE 1 SUB-BASE OR 150mm TYPE 1 & 400 6F2 CAPPING

- 450mm X 450mm X 70mm THICK PCC PAVING FLAG TO BS EN 1339 25mm BED - TYPE F7A SHARP SAND

OR TYPE F7B MORTAR100/150

—150mm TYPE 1 SUB-BASE

—6mm JOINTS TO BE FILLED WITH

MORTAR WHEN MORTAR BEDDING

PRE-CAST CONCRETE PAVING SLABS

NOTED OTHERWISE, LEVELS BEING ABOVE ORDNANCE 7. CONSTRUCTION DETAIL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE. 8. ALL DETAILS & DIMENSIONS, PARTICULARLY ANY

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STATUTORY APPROVALS.

SETTING OUT DIMENSIONS.

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REFERENCES 1. THIS DRAWING IS BASED ON THE FOLLOWING:

NORTH YORKSHIRE COUNTY COUNCIL SUPPLIED 'OS

KPP-CK-XX-XX-DR-C-52-103 ENGINEERING LAYOUT SHEET 4 - P4

TOPOGRAPHICAL TOPOGRAPHICAL SURVEY - CT SURVEYS,
 'TOPOGRAPHICAL SURVEY', DRAWING REF NUMBERS '4565AJB/1', '4565AJB/2' AND '4565AJB/3' DATED JUNE

GROUND INVESTIGATION PHASE 2 SITE INVESTIGATION - SOLMEK LTD, 'PHASE 2

SITE INVESTIGATION', REPORT REF NUMBER 'S190643' DATED AUGUST 2019 ARCHITECTURAL APP - 18035_APP_00_ZZ_DR_A_31100 PROPOSED SITE

PLAN [REC'D 06.07.2020] 18035_APP_00_GF_DR_A_416300_P01 - PROPOSED INTERNAL DRAINAGE - GROUND FLOOR STRUCTURAL APP - 18035_NORTH NORTHALLERTON_STRUCTURE -

STRUCTURAL PLAN - FOUNDATION PLAN [2020.10.26] 2. REFERENCE IS TO BE MADE TO ALL RELEVANT CONSULTANTS' REPORTS, DRAWINGS & SPECIFICATIONS

HB2 (HALF BATTER) TK (TRANSITION KERB) TK CS2 CS2 TK **ELEVATION ON KERB FACE** TYPICAL TACTILE UNCONTROLLED CROSSING
AWAY FROM JUNCTION

RED LINE BOUNDARY (EXTENT OF SITE BOUNDARY) PROPOSED LEVEL PROPOSED GRADIENT/FALL BN - BULL-NOSE KERB -25mm VEHICLE / 6mm PEDESTRIAN EF - FLAT TOP EDGING ER - ROUND TOP EDGING TK - TRANSITION KERB TACTILE PAVING LINEAR DRAINAGE CHANNEL ROAD GULLY CBR TRIAL PIT AND TEST RESULTS (VARIOUS DEPTHS BELOW GROUND LEVEL) PROPOSED KEY TIE-IN SURFACE LEVELS (CIRCA, THIRD PARTY PROPOSED) EXISTING GROUND LEVELS LATEST EXISTING GROUND LEVELS \times 41.650 RECIEVED FROM H&P (DWG 'M20088-025 -FENCING_GROUND_LEVEL' ATTENUATION TANK SAFETY MARGIN (1m)

C10	UPDATED LEVELS AND GRADIENT TO SUIT LATEST SITE LAYOUT.	JSM 23/04/24	ZS 24/04/24	BD 25/04/24
C09	SURFACING AMENDED FOR NEW CYCLESTORE	MD 22/04/24	ZF 22/04/24	ZF 22/04/24
C08	UPDATED LEVELS FOR PARKING AREAS.	ZS 03/04/24	BD 05/04/24	BD 05/04/24
C07	UPDATED LINEAR DRAINAGE OUTLET FOR GATIC 6 AND 7. REVISED PLAYGROUND AREA AND LINEAR DRAINAGE CHANNEL 9. REVISED CYCLE STORE AREA LAYOUT AND LEVELS.	ZS 25/03/24	ZS 25/03/24	PC 26/03/24
C06	SITE ACCESS LEVELS AMENDED, YARD GULLYS RE-POSITIONED FOR CYCLE STORE AREA, LEVELS AND LINEAR DRAINAGE CHANNEL AMENDED FOR PARKING AREA BELOW SCHOOL BUILDING. AMENDED TO CHANNEL SECTION KERB TO BN KERB (6MM PEDESTRIAN/25MM VEHICLE CROSSOVER). ADDED BN KERB DETAIL.	ZS 14/03/24	BD 14/03/24	BD 14/03/24
C05	ADDITIONAL LEVELS ADDED AROUND BOUNDARY TO MATCH THE SURVEY GIVEN BY H&P. RE-ADDED SITE BOUNDARY.	JM 16/11/23	ZS 28/11/23	ZS 28/11/23
C04	PARKING AREA LEVELS UPDATED AT THE FRONT OF THE SCHOOL BUILDING.	ZS 26/07/023	PC 26/07/023	PC 26/07/023
C03	ADDITIONAL LEVELS ADDED.	ZS 17/07/023	PC 17/07/023	
C02	ADDITIONAL LEVELS ADDED.	ZS 06/07/023		
C01	CONSTRUCTION ISSUE	LF 13/06/2023	ZS 19/06/2023	BD 19/06/2023
Rev	Details	Author & Date	Checked & Date	Approve & Date

Penrith, Cumbria, CA10 2HX Tel: 01228 381602 NORTH YORKSHIRE COUNCIL NORTH NORTHALLERTON

NEW PRIMARY SCHOOL Drawing Title EXTERNAL WORKS PLAN & DETAILS

CONSTRUCTION ISSUE OCT 2020 OCT 2020 JUNE 2023 18035 - APP - 00 - XX - DR - C - 40002- S1 C10

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