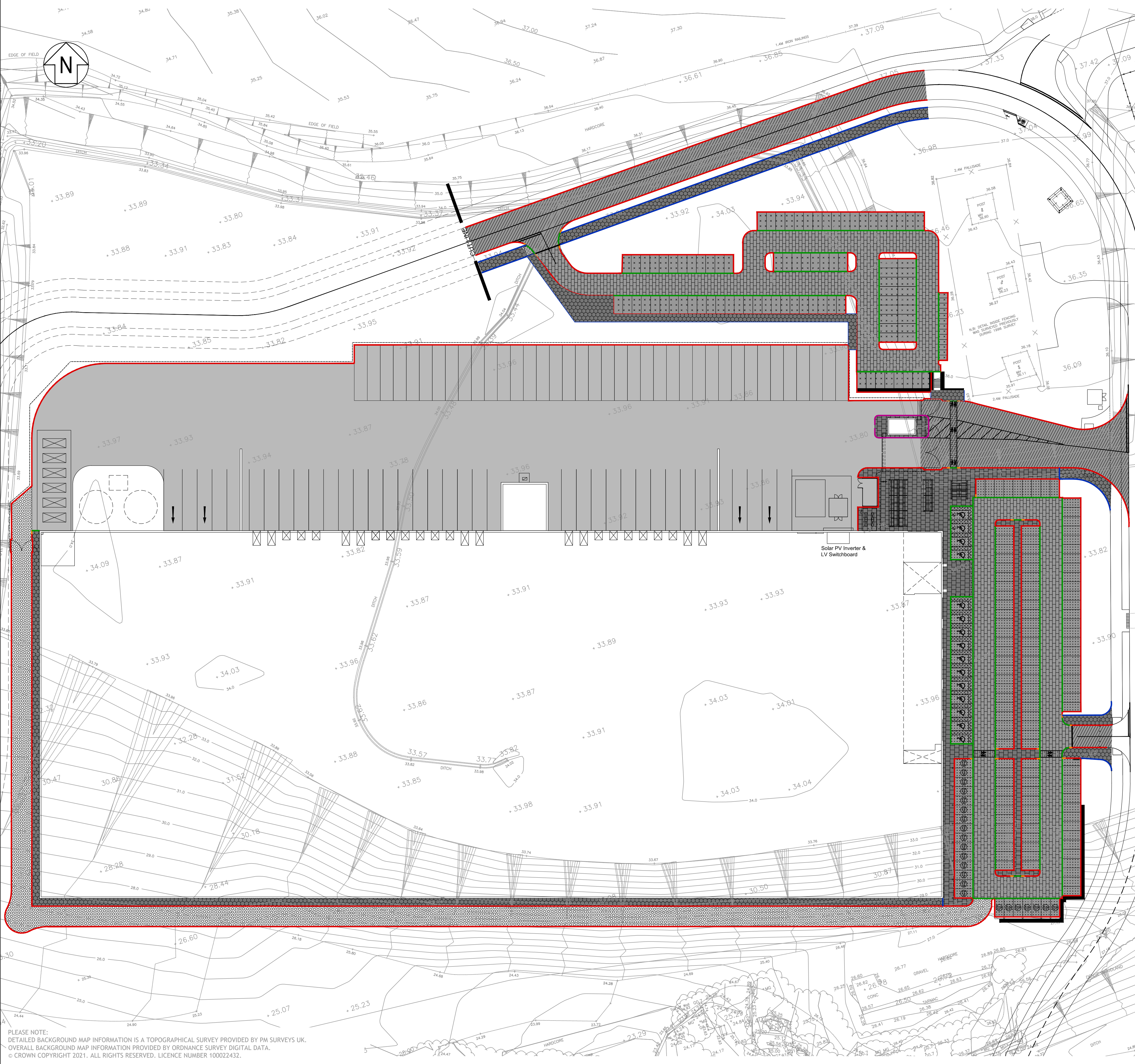




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Legend - Pavement Construction

- TARMAC ACCESS AND ESTATE ROAD.
40mm THICK HRA 35/14 F SURF 40/60 DES PSV 65 TO BS EN 13108-4.
60mm THICK AC 20 DENSE BINDER 100/150.
225mm THICK AC 32 DENSE BASE 100/150.
150mm THICK SUB-BASE DIT TYPE 1.
STABILISED FORMATION TO A MIN CBR VALUE OF 30%
- CONCRETE SERVICE YARD.
185mm THICK GRADE C28/35 AIR ENTRAINED CONCRETE SLAB WITH 2 LAYERS OF A393 MESH REINFORCEMENT (1 LAYER IN TOP AND 1 LAYER IN BOTTOM) TO BS4483 ON 1200 GAUGE VISQUEEN. SLAB TO RECEIVE A STIFF BRUSHED FINISH WITH TROWELLED MARGINS.
150mm THICK SUB-BASE DIT TYPE 1
STABILISED FORMATION TO A MIN CBR VALUE OF 30%
- BLOCK PAVED CAR PARK AISLES.
80mm CONCRETE BLOCK PAVIOR (COLOUR/ MANUFACTURER: TO ARCHITECT'S SPECIFICATION).
40mm CAT III SAND LAYING COURSE (BS 7533)
100mm THICK SUB-BASE DIT TYPE 1
STABILISED FORMATION TO A MIN CBR VALUE OF 30%
- PERMEABLE ASPHALT CAR PARK BAYS.
40mm THICK PA 10 OPEN SURF 70/100.
60mm THICK AC 20 OPEN BIN 160/120.
350mm THICK DIT TYPE 3 SUB-BASE.
CONSTRUCTION TO BE TANKED WITH A 1mm THICK IMPERMEABLE MEMBRANE ON STABILISED FORMATION TO A MIN CBR VALUE OF 30%
- TARMAC FOOTWAY.
20mm THICK AC 6 DENSE SURF 100/150
60mm THICK AC 20 DENSE BASE 100/150
250mm THICK SUB-BASE DIT TYPE 1.
- BLOCK PAVED FOOTWAY.
50mm CONCRETE BLOCK PAVIOR (COLOUR/ MANUFACTURER: TO ARCHITECT'S SPECIFICATION).
40mm CAT IV SAND LAYING COURSE (BS 7533).
250mm SUB-BASE DIT TYPE 1.
- GRASSCRETE ACCESS TRACK.
GRASSCRETE FORMERS TYPE GC2, 150mm DEEP LAID ON A CONSOLIDATED 150mm THICK GRANULAR SUB-BASE TYPE 1 TO CLAUSE 803 SHW WITH A 10/20mm BLINDING LAYER OF SAND. STEEL MESH REINFORCEMENT TO BS4483 REFERENCE A252, WEIGHING 3.95 kg/m² SHALL BE SEATED UPON THE INTEGRALLY MOULDED SPACERS.
CONCRETE 30 MN/m2 AT 28 DAYS WITH AIR ENTRAINMENT OF 3%. 10mm MAXIMUM AGGREGATE AND A 100mm SLUMP PLACED AROUND FORMERS AND MESH AND LEVELLED TO TOP OF FORMERS.
AFTER 48 HOURS MELT EXPOSED TOP OF FORMERS AND FILL WITH SOIL. FOLLOWING SETTLEMENT SOW GRASSMIX NO 2 (AS SPECIFIED BY GRASSCRETE) AT A RATE OF 50gms/m² AND TOP UP WITH FINE FRIABLE TOPSOIL. APPLY FERTILIZER AS NECESSARY.
EXPANSION JOINTS SHALL BE INCORPORATED AT 10m X 10m CENTRES AND SHALL CONSIST OF 25mm WIDE PRE-SOAKED SOFTWOOD FILLER

Legend - Kerb Types.

- 125x255mm HALF BATTERED KERB.
- 125x255mm HALF BATTERED DROP KERB.
- 125x150mm FLUSH BULLNOSE KERBS.
- 125x255mm FLUSH CS KERBS. (VERTICAL)
- 50x150mm EDGING KERB.
- TRIEF / TITAN HIGH CONTAINMENT KERB AND ASSOCIATED TRANSITION KERBS.

General Notes

- THIS DRAWING IS THE COPYRIGHT OF TIER CONSULT LTD AND CANNOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM THE COMPANY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S, ENGINEER'S AND SPECIALIST'S DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION.
- ALL DIMENSIONS ARE IN MILLIMETRES UNO, FOR THE PURPOSES OF CONSTRUCTION THIS DRAWING MUST NOT BE SCALED AND ONLY WRITTEN DIMENSIONS USED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER IN WRITING.
- ALL LEVELS ARE IN METRES UNO & TO OS DATUM.

External Works Notes

- ALL ASPHALT MIXTURES TO CONFORM TO BS EN 13108.
- THE PAVEMENT FOUNDATION DEPTHS MAY CHANGE FOLLOWING CBR TESTING AND RESULTS
- ALL BLOCK PAVING REFERENCES TO CONFORM TO BS 7533.
- ASPHALT SURFACE COURSES
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SUB-GRADE IS NOT EXPOSED TO INCLEMENT WEATHER. SUB-GRADE ONLY DESIGN SHALL ONLY BE USED WHERE THERE IS ADEQUATE DRAINAGE AND FAVOURABLE WEATHER AT THE TIME OF CONSTRUCTION
- WARRANTY FOR PROPRIETARY SURFACE COURSES IS TO BE PROVIDED BY THE MANUFACTURER.
- TACK & BOND COATS TO BE PROVIDED WHERE REQUIRED IN ACCORDANCE WITH SHW CLAUSE 920 AND ANY MANUFACTURER'S REQUIREMENTS.
- SEALING GRIT TO BE USED FOR TEMPORARY BASE COURSE RUNNING SURFACES ONLY. NOT TO BE USED ON SURFACE COURSE.

CBR TESTING OF SUB-GRADES
THE CONTRACTOR SHALL ALLOW FOR TAKING A NUMBER OF CBR TESTS AT FORMATION LEVEL AND CBR TESTS ON TOP OF STONE FILL IN ACCORDANCE WITH BS1377-4 OR BS1377-9. SUBMIT RESULTS AND OBTAIN INSTRUCTIONS BEFORE PROCEEDING.
SOFT SPOTS
REDUCED FORMATION LEVEL TO BE PROOF ROLLED TO IDENTIFY ANY LOCAL SOFT SPOTS. SOFT SOTS TO BE EXCAVATED AND BACKFILLED WITH 6F2 CAPPING LAYER MATERIAL.
PROOF ROLLING
DUE TO THE VARYING NATURE OF THE UNDERLYING MADE GROUND THE CONTRACTOR SHALL ALLOW FOR PROOF ROLLING THE REDUCED LEVEL FORMATION TO IDENTIFY ANY SOFT SPOTS.
SOFT SPOTS SHALL BE EXCAVATED AND BACKFILLED WITH WELL COMPACTED CAPPING LATER MATERIAL. CBR TESTING SHALL BE CARRIED OUT AFTER PROOF ROLLING.
KERB FACE HEIGHTS.
ALL HALF BATTERED KERB WITHIN ACCESS ROAD AND SERVICE YARD AREAS TO HAVE A KERB FACE HEIGHT OF 125mm.
ALL HALF BATTERED KERBS WITHIN CAR PARKING AREAS TO HAVE A KERB FACE HEIGHT OF 100mm.

ALL SUBGRADE IS TO BE RE-ENGINEERED AND STABILISED SITE WON MATERIAL PROVIDING A MINIMUM 30% CBR.

ALL PAVEMENT CONSTRUCTIONS ABOVE ARE BASED ON AN ASSUMED CBR VALUE OF 30%. CONTRACTOR TO ALLOW FOR CBR TESTS ACROSS SITE. TO BE ON THE PREPARED FORMATION LEVEL AND IN DRY WEATHER CONDITIONS. IF RESULTS ARE DETERMINED TO BE LESS THAN 30%, PAVEMENT CONSTRUCTION WILL BE ADJUSTED TO SUIT.

WHERE THE TESTS INDICATE THAT THE SUB-GRADE IS FROST SUSCEPTIBLE A SUITABLE CAPPING LAYER SHOULD BE INCLUDED BELOW THE SUB-BASE, TO A DEPTH THAT WILL ENSURE THAT THE CONSTRUCTION WILL NOT BE AFFECTED BY FROST HEAVE.

CLEAN COVER.
THE CONTRACTOR SHALL REFER TO THE ENVIRONMENTAL REPORT FOR MINIMUM DEPTHS OF CLEAN COVER.

CBR VALUES TABLE											
SUBGRADE CBR %	< 2.5	2.5	3	4	5	8	10	15	30		
SUB-BASE LAYER CAPPING REQD	350	325	275	225	200	175	150	100			

P2	12.07.2023	ISSUED FOR PLANNING	WNL	PJB
P1		ISSUED FOR PLANNING	WNL	PJB

Status	Description	Chk	App
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PRELIMINARY



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Client:



Project Title:
SYMMETRY PARK,
CRONTON
PHASE 1 - UNIT 2

Drawing Title:
EXTERNAL WORKS LAYOUT.

Drawing Scale: 1:500 @ A1	Drawn By: C.C.FITTON	Drawing Start Date: 13.03.2023	Revision:
Drawing No: L005-TIE-ZZ-XX-DR-C-6047			P2