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NOTES:

GENERAL NOTES

- ALL HIGHWAY WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CUMBRIA COUNTY COUNCIL HIGHWAY DESIGN GUIDE.
- DRAINAGE UNDER TRAFFICKED AREAS TO BE BACKFILLED WITH TYPE 1 GRANULAR SUB BASE TO S.H.W. CL803.
- INSITU AND PRECAST CONCRETE TO BE TO GEN3 (C20). USE SLUMP CLASS S1 TO PROVIDE IMMEDIATE SUPPORT AND S3 IN OTHER SITUATIONS. CONCRETE IN CONTACT WITH THE GROUND TO WITHSTAND EXPOSURE CONDITIONS NOTED IN THE GROUND INVESTIGATION REPORT.
- GULLY COVERS AND ANY OTHER CARRIAGEWAY AND FOOTWAY OR CYCLEWAY IRONWORK SHALL NOT BE INSTALLED UNTIL THE CARRIAGEWAY BINDER COURSE LAYER IS LAID. DURING THE CONSTRUCTION PROCESS PROTECTION SHALL BE GIVEN TO ALL GULLIES AND CHAMBERS FROM THE INGRESS OF DEBRIS.
- THE SURFACE OF BASE AND BINDER COURSE SHALL BE SWEEPED CLEAN AND BE FREE FROM ANY STANDING WATER, DEBRIS AND ICE PRIOR TO THE APPLICATION OF A TACK COAT IN READINESS FOR SURFACING THAT SAME DAY.
- ALL VERTICAL FACES OF KERBS, SURFACING MATS, MANHOLES, GULLIES, ETC. AGAINST WHICH ASPHALTS ARE TO BE LAID SHALL BE CLEANED AND PAINTED COMPLETELY WITH A UNIFORM COATING OF 50 OR 70 (OR EQUIVALENT) PEN GRADE HOT BITUMEN PRIOR TO LAYING.
- A BITUMINOUS SPRAY TACK COAT SHALL BE APPLIED TO ALL ASPHALT COURSES ON WHICH LAYING IS TO TAKE PLACE, IE. BOTH WITHIN COURSES (WHERE THE COURSE IS LAID IN MORE THAN ONE LAYER) AND BETWEEN COURSES, ON EXISTING SURFACES TO BE OVERLAIN AND ANY CONCRETE SURFACES. A TACK COAT MUST ALSO BE APPLIED TO ALL SCARIFIED AND PLANED SURFACES AND ANY TRAFFICKED BINDER COURSES PRIOR TO SURFACING. ONLY SUFFICIENT TACK COAT SHALL BE PUT DOWN FOR THE SAME DAYS SURFACING WORKS AND, ONCE APPLIED, THE TACK COAT SHALL NOT BE TRAVERSED BY VEHICLES OR PLANT EXCEPT THAT ENGAGED IN THE SURFACING. THE TACK COAT SHALL BE K140 BITUMEN EMULSION TO BS 434: PART1 APPLIED AT A RATE OF 0.4 TO 0.6 LITRES PER SQUARE METRE EXCEPT BELOW THIN SURFACING SYSTEMS WHERE THE BOND COAT SPECIFIED ON THE CORRESPONDING HAPAS CERTIFICATE SHALL BE USED BETWEEN THE THIN SURFACING AND BINDER COURSE.
- THE FOLLOWING MATERIAL SHALL NOT BE LAID ON SHALE:- LIMESTONE, CRUSHED CONCRETE, RECYCLED AGGREGATE OR ASPHALT ARISING.
- THE SUB-FORMATION SHALL BE TREATED WITH AN APPROVED WEEDKILLER (EG. DICHLORIBENIL) PRIOR TO THE LAYING OF UNBOUND MATERIALS.
- PRODUCTS MADE FROM CRUSHED CONCRETE AND RECYCLED AGGREGATES SHALL BE PROCESSED IN ACCORDANCE WITH "QUALITY CONTROL - PRODUCTION OF RECYCLED AGGREGATES" PUBLISHED BY CONSTRUCTION RESEARCH COMMUNICATIONS. ADEQUATE TESTING REGIMES SHALL BE IN PLACE TO MONITOR THE QUALITY OF THE MATERIAL BEING PRODUCED. PROOF OF COMPLIANCE WITH THESE REQUIREMENTS SHALL BE BY CERTIFICATION FROM A RECOGNISED THIRD PARTY ASSESSOR.
- THE STREET LIGHTING SCHEME ALONG WITH THE ENTIRE ESTATE ROAD NETWORK WILL REMAIN PRIVATE AND WILL BE MAINTAINED BY THE MANAGEMENT COMPANY. THE STREET LIGHTING WILL COMPRISE STRATEGICALLY LOCATED 3m LANTERN-TYPE COLUMNS CONNECTED INTO THE PRIVATE METER IN EACH INDIVIDUAL PLOT. THIS WILL BE SUPPLEMENTED WITH 1.10m HIGH LIGHTING BOLLARDS LOCATED AT THE DRIVE ENTRANCE TO EACH PLOT AND CONNECTED BACK TO EACH INDIVIDUAL ELECTRIC METER. IN ALL CASES, THE STREET LIGHTING WILL BE DAWN/ DUSK PHOTOCELL CONTROLLED.
- ALL DRAINAGE PIPES TO BE PLASTIC:
UNPLASTICISED PVC PIPES TO BS 4660:200 & BS EN 1401-1 KITEMARKED.
STRUCTURED WALL UNPLASTICISED PVC PIPES TO BS EN13476 AND WIS 4-35-01 KITEMARKED.

KEY

- EXISTING UNITED UTILITIES COMBINED SEWER
- PROPOSED SURFACE WATER SEWER
- PROPOSED LAND DRAIN / FILTER TRENCH 150mmØ PERFORATED PIPE WITH 600mmØ CATCHPIT (MINIMUM DEPTH TO SOFFIT 600mm)
- PROPOSED TRAPPED ROAD GULLY
- PROPOSED ATTENUATION TANK
- PROPOSED FOUL SEWER
- FFL 128.600
- PROPOSED FINISHED FLOOR LEVEL
- PROPOSED ROAD CONTOURS
- TEMPORARY BUND (CONSTRUCTION PHASE)
- SITE BOUNDARY

P2	NOTE 12, PIPE MATERIAL AND PIPE BEDDING ADDED.	JM	NB	09/04/24
P1	FIRST ISSUE	JM	NB	05/04/24
REV	AMENDMENT	BY	CKD	DATE

CLIENT

JOHN SWIFT HOMES LTD.

PROJECT

HARRAS ROAD,
WHITEHAVEN

DRAWING TITLE

PHASE 1
ENGINEERING LAYOUT



Beckwith & Hanlon
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SCALE	1:500	BY	JM	CHECKED	NB	DATE	APRIL '24
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DRAWING NO.	23-026-201
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STATUS	PRELIMINARY	REV	P2
		SIZE	A1