



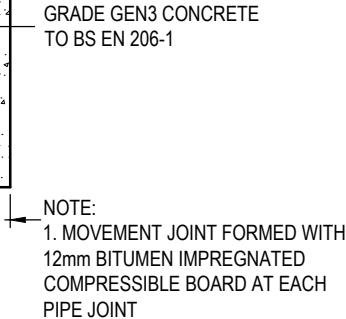
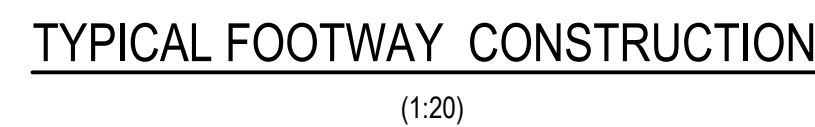
NOTES:

GENERAL NOTES

1. ALL HIGHWAY WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CUMBERLAND COUNCIL HIGHWAY DESIGN GUIDE
2. DRAINAGE UNDER TRAFFICKED AREAS TO BE BACKFILLED WITH TYPE 1 GRANULAR SUB BASE TO S.H.W. CL803.
3. 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.
4. 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.
5. THE SURFACE OF BASE AND BINDER COURSE SHALL BE SWEPT 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.
6. ALL VERTICAL FACES OF KERBS, SURFACING MATERIALS, 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.
7. 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 TO BE REFINISHED IN THE SURFACING. THE TACK COAT SHALL BE 1:40 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 HASMA CERTIFICATE SHALL BE USED BETWEEN THE THIN SURFACING AND BINDER COURSE.
8. THE FOLLOWING MATERIAL SHALL NOT BE LAID ON SHALE- LIMESTONE, CRUSHED CONCRETE, RECYCLED AGGREGATE OR ASPHALT ARISINGS.
9. THE SUB-FORMATION SHALL BE TREATED WITH AN APPROVED WEEKKILLER (EG. DICHLOROBENIL) PRIOR TO THE LAYING OF UNBOUND MATERIALS.
10. 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 PROVIDED PROOF OF COMPLIANCE WITH THE REQUIREMENTS SHALL BE BY CERTIFICATION FROM A RECOGNIZED THIRD PARTY ASSESSOR.



NOTE:
WHERE THE SUB-GRADE IS PARTICULARLY WEAK THE SUB-BASE THICKNESS MAY NEED TO BE INCREASED OR, IF FORMATION IS IN A POORLY DRAINED SOIL A FABRIC FILTER SHEET MAY BE REQUIRED TO BE LAID ON THE FORMATION PRIOR TO PLACING CAPPING. TO BE CONFIRMED BY THE ENGINEER.



Pipe nominal size (mm)	Aggregate to BS882
150	10 or 14mm nominal single size 14mm to 5mm graded
over 150 to 500	10, 14 or 20mm nominal single size 14mm to 5mm graded 20mm to 5mm graded
over 500	10, 14, 20 or 40mm nominal single size 14mm to 5mm graded 20mm to 5mm graded 40mm to 5mm graded

CONCRETE SURROUND TO PIPES

CLASS Z BEDDING

PIPE WITH COVER LESS THAN 1.2m IN TRAFFICKED AREAS
AND LESS THAN 0.9m IN UN-TRAFFICKED AREAS & GULLY
CONNECTIONS

PREV	ENTERED REPORTED BY	SP1	QTR2	SP115
CLIENT				

PROJECT DALZELL STREET
MOOR ROW

Beckwith & Hanlon
Consulting Engineers Limited
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DRAWING NO.
24-011-105

STATUS PRELIMINARY	REV	P1
	SIZE	A1