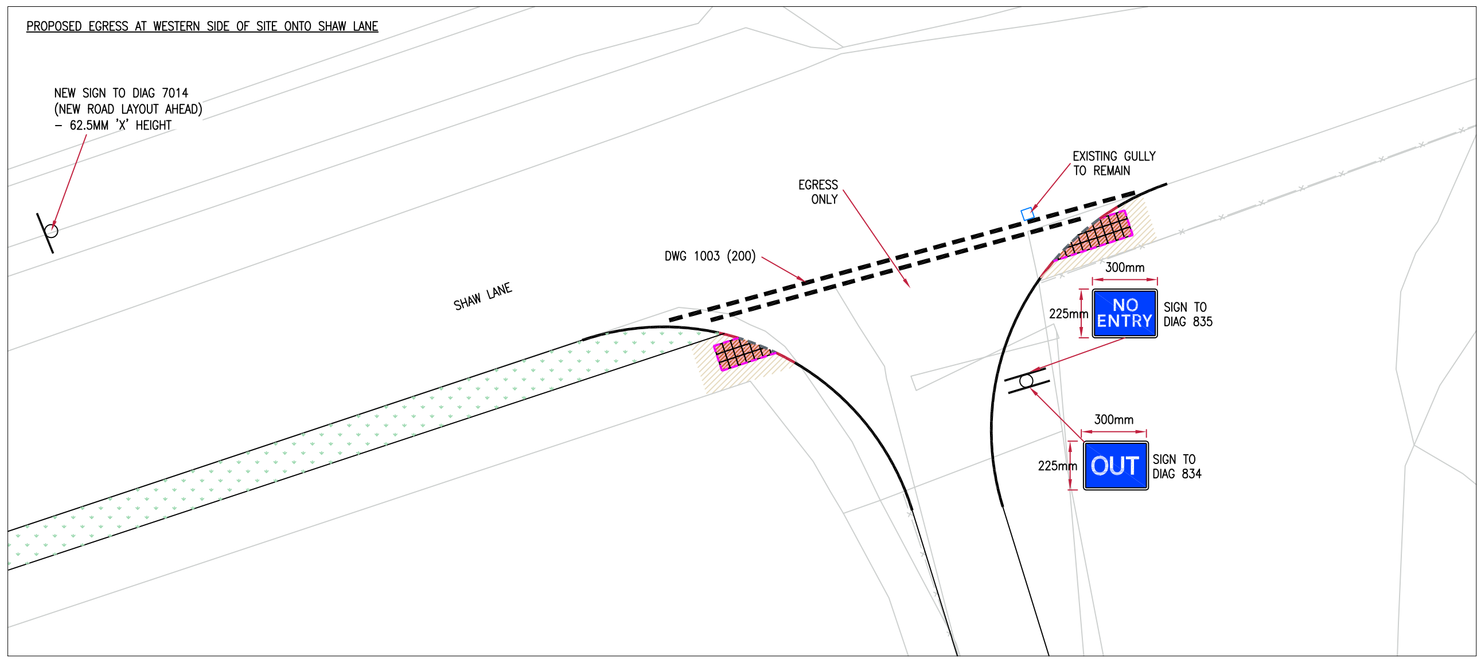
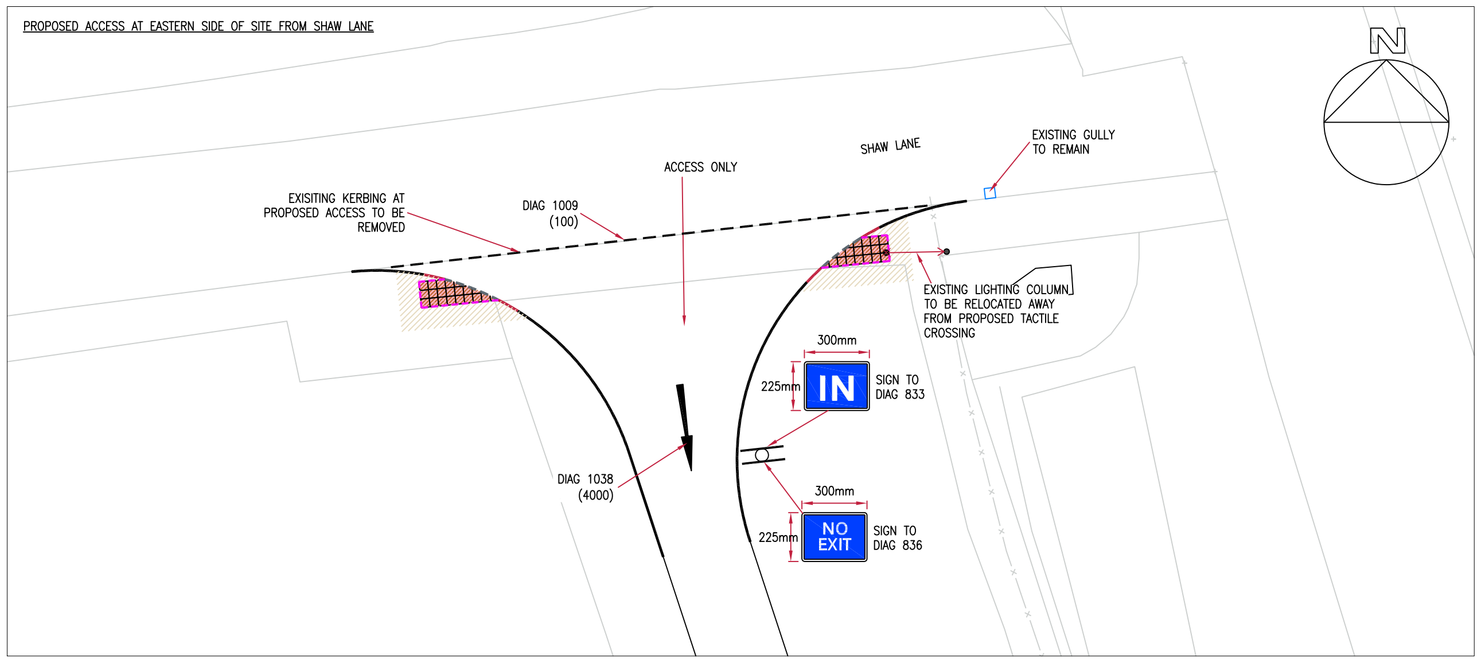
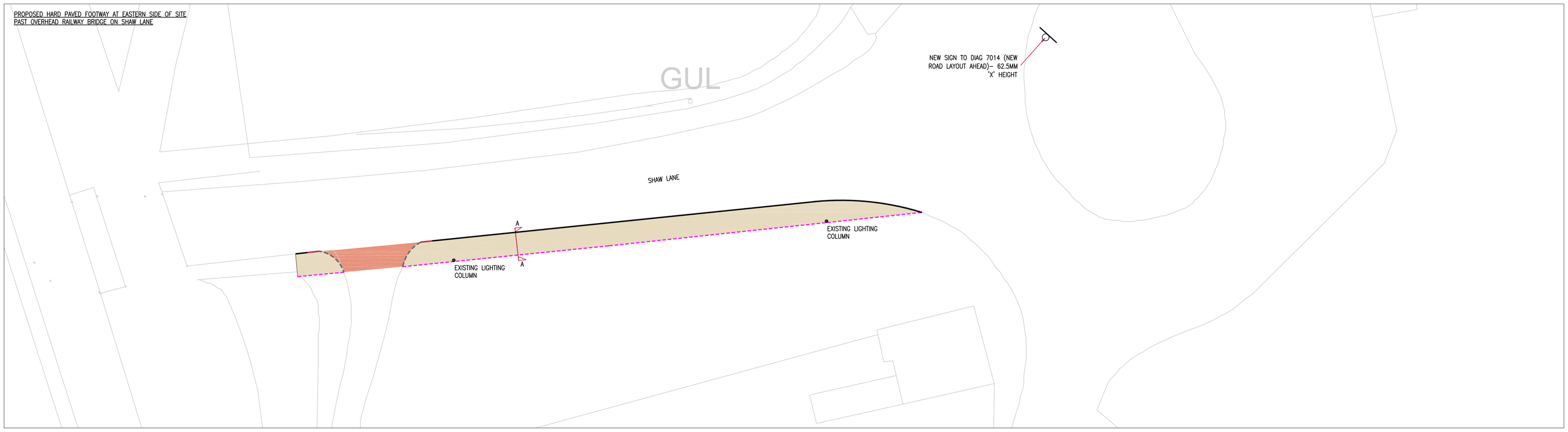
PROPOSED EGRESS AT WESTERN SIDE OF SITE ONTO SHAW LANE



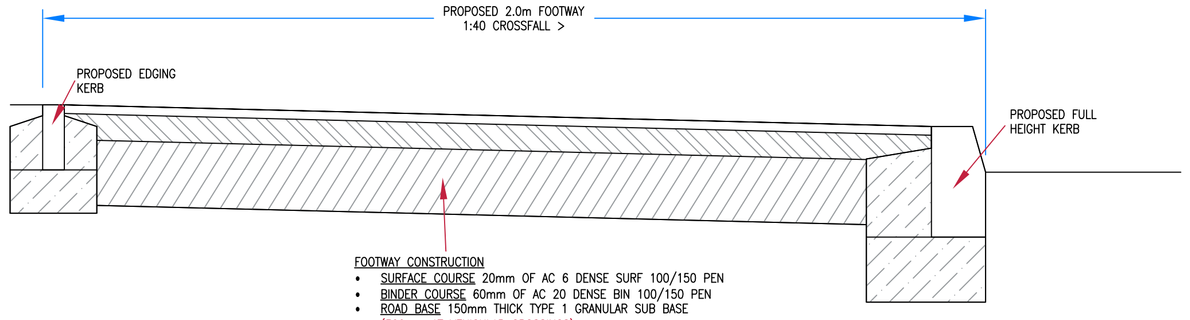
PROPOSED ACCESS AT EASTERN SIDE OF SITE FROM SHAW LANE



PROPOSED HARD PAVED FOOTWAY AT EASTERN SIDE OF SITE PAST OVERHEAD RAILWAY BRIDGE ON SHAW LANE

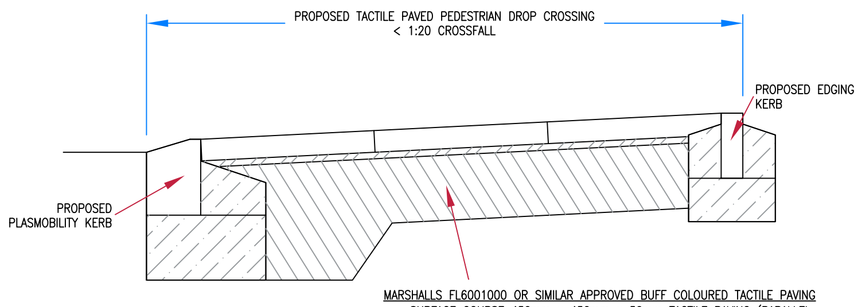


SECTION A – A
SCALE 1:10



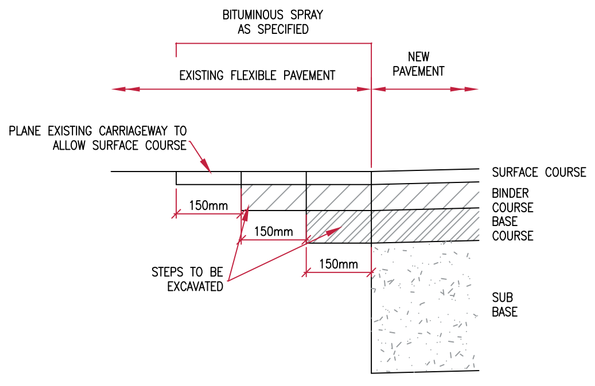
FOOTWAY CONSTRUCTION
- SURFACE COURSE 20mm OF AC 6 DENSE SURF 100/150 PEN
- BINDER COURSE 60mm OF AC 20 DENSE BIN 100/150 PEN
- ROAD BASE 150mm THICK TYPE 1 GRANULAR SUB BASE (300mm AT VEHICULAR CROSSINGS)

TYPICAL SECTION THROUGH TACTILE PAVED DROP CROSSING
SCALE 1:10

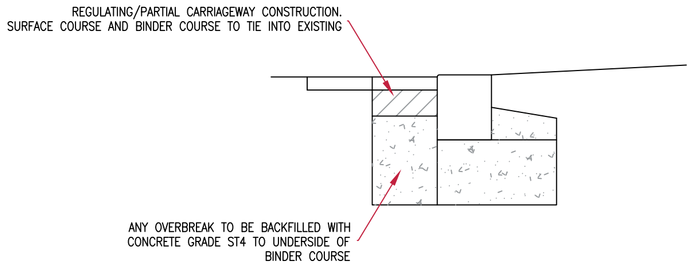


MARSHALLS FL6001000 OR SIMILAR APPROVED BUFF COLOURED TACTILE PAVING
- SURFACE COURSE 450mm x 450mm x 50mm TACTILE PAVING (PARALLEL ROWS OF FLAT-TOPPED BLISTERS 5MM (±0.5MM) HIGH, 25MM IN DIAMETER, PITCH 64-67MM)
- BINDER COURSE 15mm MORTAR BED
- SUB BASE 150mm ST4 CONCRETE

TYPICAL OVERBREAK DETAIL (WHERE PROPOSED CARRIAGEWAY MEETS EXISTING CARRIAGEWAY)
SCALE 1:100



TYPICAL OVERBREAK DETAIL (WHERE PROPOSED KERBING MEETS EXISTING CARRIAGEWAY)
SCALE 1:100



GENERAL NOTES:
- THIS DRAWING SHOWS THE DETAILED DESIGN ONLY AND IS SUBJECT TO LOCAL AUTHORITY APPROVAL. THIS DRAWING SHOULD NOT BE SCALED FOR SETTING OUT PURPOSES.
- THIS DRAWING IS BASED ON A TOPOGRAPHICAL SURVEY PROVIDED BY OTHERS.
- BITUMEN TACK COAT TO BE APPLIED BETWEEN EACH BITUMEN LAYER.
- THE LAYOUT AND POSITIONS OF ANY PEDESTRIAN CROSSINGS TO BE AGREED WITH THE LOCAL AUTHORITY ENGINEER ON SITE.

KERBING NOTES:
- CONCRETE KERBS ABUTTING TARMAC SURFACING ARE REQUIRED TO BE PAINTED WITH A TACK COAT OF 200PEN BITUMEN.
- ANY KERBS THAT ARE TO REMAIN IN-SITU AND ARE EITHER DAMAGED OR ARE OUT OF HORIZONTAL/VERTICAL ALIGNMENT WILL NEED REPLACING WITHIN THE S278 LIMITS AREA.

CONSTRUCTION NOTES:
- ANY SOFT AREAS WILL REQUIRE EXCAVATING UNTIL FIRM GROUND IS FOUND AND BACKFILLING WITH A 6F2 MATERIAL AND TO BE COMPACTED IN 150mm LAYERS.
- PAVEMENT CONSTRUCTION TO BE USED WOULD BE SELECTED ON THE BASIS OF CBR VALUES OBTAINED ON SITE ONCE CONSTRUCTION OF ROAD IS UNDERWAY.
- GRANULAR SUB BASE LAYERS TO BE COMPACTED IN DEPTH LAYERS OF NO GREATER THAN 150mm.
- WHEN THE WIDTH OF THE BASE OR SUB BASE IS LESS THAN 1.0m, CONCRETE MIX ST5 25 N/mm² SHALL BE USED IN LIEU. THE WIDTH OF THE CONCRETE WILL VARY FROM 0.0m TO 1.0m; ALTHOUGH IN LIEU OF SUB BASE UNDER THE KERBS, THE WIDTH WILL NOT BE LESS THAN TOTAL THICKNESS OF THE FULL CARRIAGEWAY CONSTRUCTION. 100mm OF SURFACING IS REQUIRED ON TOP OF THE ST5 CONCRETE.
- PLANED CARRIAGEWAY AREAS OR ANY NEWLY LAID TARMAC MORE THAN 24 HOUR OLD REQUIRES A HOT TANKER APPLIED BITUMEN TACK COAT IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS, AS FOLLOWS:
  a. BINDER CLASSIFICATION AND APPLICATION DETAILS TO CL.920
  b. THE BINDER SHALL BE BITUMEN EMULSION TO BS 434:PART 1
  c. THE BINDER SHALL BE CLASS A1-40 OR K1-40
  d. RATE OF SPREAD SHALL BE 0.3 TO 0.5/m2
  e. PERMITTED ADDITIVES TO BINDER: NONE
  f. BINDING MATERIAL: NONE
- CARRIAGEWAY OVERBREAK AREAS REQUIRE:
  a. PLANED HORIZONTAL FACES TO BE SPRAYED WITH BITUMEN EMULSION CLASS K1-40 BS 434 AT RATE OF SPREAD 05.±0.1 L/m2
  b. VERTICAL PLANED FACES TO BE COATED WITH ah 50 TO 70 PEN GRADE HOT OR EMULSION BITUMEN BY BRUSHING OR PURING TO ACHIEVE APPROXIMATELY 2mm THICKNESS.

DRAINAGE/UTILITIES NOTES:
- ANY POLISHED/DAMAGED INSPECTION CHAMBERS WILL REQUIRE REPLACING WITH A CLASS D400 600x600x150 COVER AND FRAME AND PLACED ON A SOLID CLASS B ENGINEERING BRICK WITH A CLASS 1 (1:3) MORTAR BED TO THE FINISHED SURFACE COURSE MATERIAL.
- ANY STATUTORY UTILITY COVERS/FRAMES THAT ARE DAMAGED WILL REQUIRE RENEWING AND RESETTING TO THE NEW FINISHED SURFACE LEVELS. ANY DAMAGED DURING WORKS WILL NEED TO BE REPLACED.
- ALL NEWLY INSTALLED STATUTORY UNDERTAKERS APPARATUS WILL REQUIRE THE APPROPRIATE WARNING TAPE/ARMOURED TAPE TO BE LAID ON TOP OF THEIR DUCTS, AND ALL DUCTS SHOULD BE LAID TO THE DEPTHS IN ACCORDANCE WITH THE LATEST NJUG GUIDANCE PUBLICATION.
- GULLIES LOCATED IN SHARED USE SURFACES MUST HAVE SUITABLE PEDESTRIAN AND CYCLIST FRIENDLY COVERS. THE OPENINGS IN GULLY GRATINGS MUST NOT ALIGN WITH CYCLISTS ANTICIPATED WHEEL TRACKS.
- ANY DOUBLE GULLIES TO HAVE INDIVIDUAL GULLY LEADS.

SURFACING KEY

FOOTWAY CONSTRUCTION
- SURFACE COURSE 20mm OF AC 6 DENSE SURF 100/150 PEN
- BINDER COURSE 60mm OF AC 20 DENSE BIN 100/150 PEN
- ROAD BASE 150mm THICK TYPE 1 GRANULAR SUB BASE (300mm AT VEHICULAR CROSSINGS)

FOOTWAY RESURFACING
PLANE OUT EXISTING CONSTRUCTION TO A MAXIMUM DEPTH OF 80mm AND REPLACE WITH:
- SURFACE COURSE 20mm OF AC 6 DENSE SURF 100/150 PEN
- BINDER COURSE 60mm OF AC 20 DENSE BIN 100/150 PEN

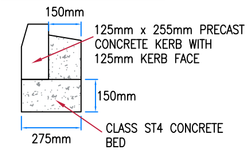
ANY VOIDS TO BE BACKFILLED WITH BINDER COURSE

MARSHALLS FL6001000 OR SIMILAR APPROVED BUFF COLOURED TACTILE PAVING
- SURFACE COURSE 450mm x 450mm x 50mm TACTILE PAVING (PARALLEL ROWS OF FLAT-TOPPED BLISTERS 5MM (±0.5MM) HIGH, 25MM IN DIAMETER, PITCH 64-67MM)
- BINDER COURSE 15mm MORTAR BED
- SUB BASE 150mm ST4 CONCRETE

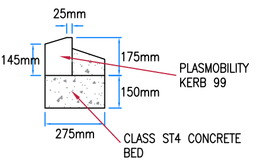
PROPOSED VERGE / BERM
TO BE SPECIFIED BY OTHERS

KERBING KEY

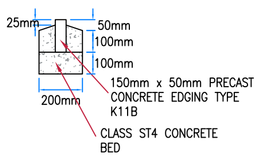
PROPOSED FULL HEIGHT KERB



PROPOSED PLASMOBILITY KERB



PROPOSED EDGING



PROPOSED TRANSITION KERB

125mm X 255mm HB TO BN LEFT HAND REF NO. RK4300010
125mm X 255mm BN TO HB RIGHT HAND REF NO. RK4300020

REV	DATE	DESCRIPTION
C	22/08/17	CLEARER DRAWING, NOTATION AND ADDITIONAL SIGNAGE

PARAGON HIGHWAYS
UNIT 2, THE OFFICE CAMPUS,
PARAGON BUSINESS PARK, RED HALL COURT,
WAKEFIELD WF1 2UY
01924 291536 / PARAGONHIGHWAYS.COM

JOB	DWG	REV
813	101	C

SCALE: 1:200 @A1
DATE: Aug 2017

SHAW LANE, CARLTON

DETAILED DESIGN