

CONSTRUCTION KEY:

BLOCK PAVED CARRIAGEWAY CONSTRUCTION BASED ON 1% CBR
- SURFACE COURSE 80mm PAVING BLOCK LAID TO 45° HERRINGBONE PATTERN (BRINDLE COLOUR)
- BINDER COURSE 30mm SAND BINDER COURSE AS SPECIFIED BS7533 PART 3 0.063/6.3mm
- BASE COURSE 50mm OF AC 32 DENSE BASE 100/150 PEN
- SUB BASE 150mm TYPE 1 GRANULAR SUB BASE
- GEOGRID TENSAR TYPE P-34393-L2
- SUB BASE 300mm TYPE 1 GRANULAR SUB BASE
- GEOGRID TENSAR TYPE P-34393-L1
- CAPPING 6F2 ROLLED INTO SOFT AREAS TO ACHIEVE AT LEAST 1% CBR

BLOCK PAVED RAMP / MARGIN CONSTRUCTION
- SURFACE COURSE 80mm THICK CONCRETE BLOCK PAVIORS (CHARCOAL COLOUR) STRETCHER BOND
- BINDER COURSE 30mm SAND BINDER COURSE AS SPECIFIED BS7533 PART 3 0.063/6.3mm
- SUB BASE 150mm ST4 CONCRETE

AREA OF OVERBREAK
SEE DETAIL

PROPOSED VERGE/BERM
TO BE SPECIFIED BY OTHERS

CARRIAGEWAY CONSTRUCTION
- SURFACE COURSE 30mm OF AC 6 DENSE SURF 100/150 PEN
- BINDER COURSE 55mm OF AC 20 DENSE BIN 100/150 PEN
- ROAD BASE 85mm OF AC 32 DENSE BASE 100/150 PEN
- SUB BASE 150mm TYPE 1 GRANULAR SUB BASE
- GEOGRID TENSAR TYPE P-34393-L2
- SUB BASE 300mm TYPE 1 GRANULAR SUB BASE
- GEOGRID TENSAR TYPE P-34393-L1
- CAPPING 6F2 ROLLED INTO SOFT AREAS TO ACHIEVE AT LEAST 1% CBR

ANY VOIDS BELOW SUB BASE TO BE BACKFILLED WITH TYPE 1

FOOTWAY CONSTRUCTION
- SURFACE COURSE 20mm OF AC 6 DENSE SURF 100/150 PEN
- BINDER COURSE 60mm OF AC 20 DENSE BIN 100/150 PEN
- SUB BASE 150mm THICK TYPE 1 GRANULAR SUB BASE

ANY VOIDS BELOW ROADBASE TO BE BACKFILLED WITH 6F2

GEOGRID

PLEASE REFER TO TENSAR APPLICATION SUGGESTION (TENSAR REF: P-34393)

KERBING KEY

PROPOSED FULL HEIGHT KERB

MARSHALLS RK0300000 OR SIMILAR APPROVED 125mm UPSTAND FULL HEIGHT KERB
125mm x 255mm PCC HALF BATTER KERB ON CONCRETE BED (GRADE ST4), 275mm WIDE x 150mm DEEP, WITH A 150mm WIDE HAUNCH BROUGHT UP TO WITHIN 75mm OF THE TOP OF THE KERB.

PROPOSED FLUSH DROP KERB

MARSHALLS RK0550000 OR SIMILAR APPROVED
125mm x 150mm PCC BULLNOSED KERB ON CONCRETE BED (GRADE ST4), 275mm WIDE x 150mm DEEP, WITH A 150mm WIDE HAUNCH BROUGHT UP TO WITHIN 75mm OF THE TOP OF THE KERB.

PROPOSED 25mm UPSTAND DROP KERB

MARSHALLS RK4340000 OR SIMILAR APPROVED 125mm x 175mm DROP KERB (25mm UPSTAND)
125mm x 175mm PCC DROPPED KERB ON CONCRETE BED (GRADE ST2), 275mm WIDE x 150mm DEEP, WITH A 150mm WIDE HAUNCH BROUGHT UP TO WITHIN 30mm OF THE TOP OF THE KERB.

PROPOSED EDGING

MARSHALLS ED05000150 OR SIMILAR APPROVED EDGING
50mm x 150mm PCC FLAT TOP EDGING ON CONCRETE BED (GRADE ST4), 200mm WIDE x 125mm DEEP, WITH A 75mm WIDE HAUNCH BROUGHT UP TO WITHIN 75mm OF THE TOP OF THE 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

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.

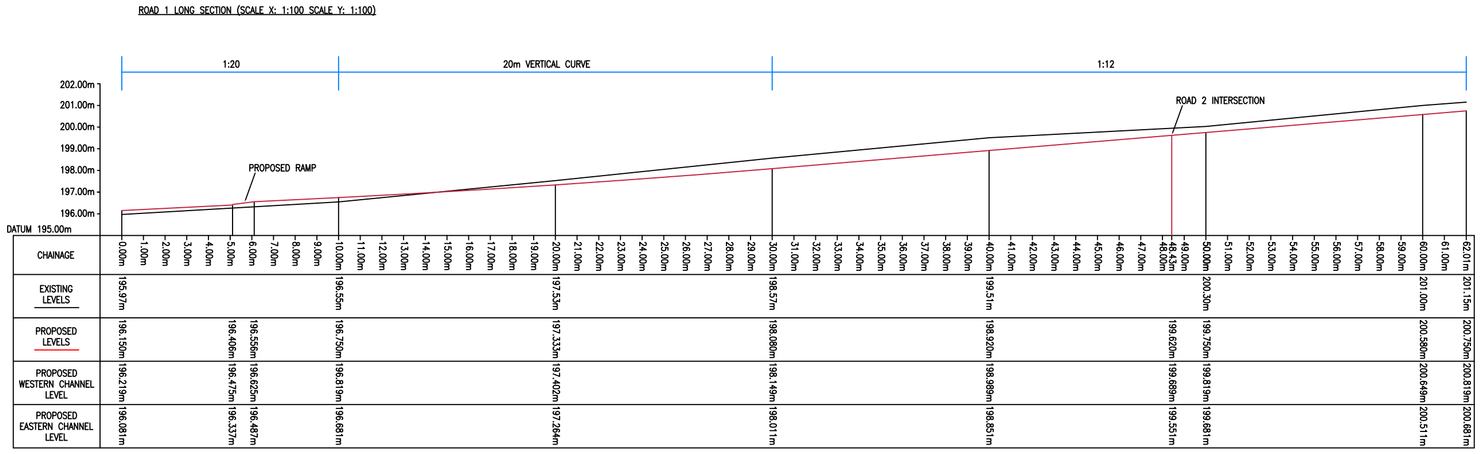
KERBING NOTES:
- CONCRETE KERBS ABUTTING TARMAC SURFACING ARE REQUIRED TO BE PAINTED WITH A TACK COAT OF 200PEN BITUMEN.
- ANY KERBS THAT ARE TO REMAIN IN-SITU AND ARE EITHER DAMAGED OR ARE OUT OF HORIZONTAL/VERTICAL ALIGNMENT WILL NEED REPLACING WITHIN THE S278 LIMITS AREA.

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

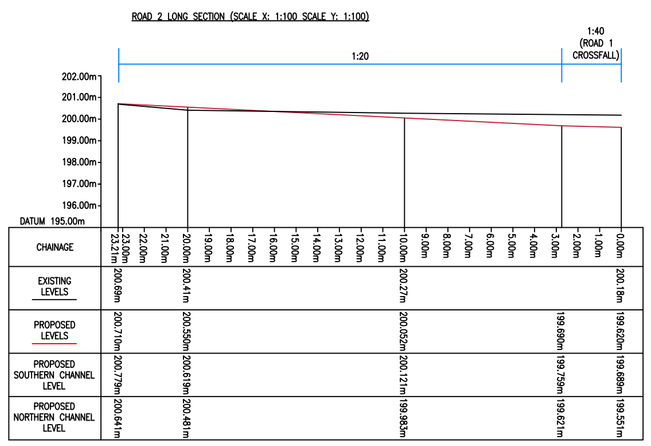
- CARRIAGEWAY OVERBREAK AREAS REQUIRE:
  a. PLANED HORIZONTAL FACES TO BE SPRAYED WITH BITUMEN EMULSION CLASS K1-40 BS 434 AT RATE OF SPREAD 05.±0.1 L/m2.
  b. VERTICAL PLANED FACES TO BE COATED WITH ah 50 TO 70 PEN GRADE HOT OR EMULSION BITUMEN BY BRUSHING OR PURING TO ACHIEVE APPROXIMATELY 2mm THICKNESS.

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.

ROAD 1 LONG SECTION (SCALE X: 1:100 SCALE Y: 1:100)



ROAD 2 LONG SECTION (SCALE X: 1:100 SCALE Y: 1:100)



REV	DATE	DESCRIPTION
A	09/16	Geogrid added

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WAKEFIELD WF1 2UY
01924 291436 / PARAGONHIGHWAYS.COM

JOB	DWG	REV
975	102	A

SCALE: 1:200 @A1
DATE: Aug 2016

CROSS LANE,
HOYLANDSWAINE

PROPOSED S38 WORKS