

- GENERAL NOTES:**

 - THIS DRAWING SHOWS THE DETAIL DESIGN ONLY AND IS SUBJECT TO LOCAL AUTHORITY APPROVAL. THIS DRAWING SHOULD NOT BE SOLELY 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.

KERBSIDE NOTES:

 - CONCRETE KERBS ABUTTING TRAMWAY SURFACING ARE REQUIRED TO BE PAINTED WITH A TACK COAT OF 200mm 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 5278 LAMIS AREA.

CONSTRUCTION NOTES:

 - ANY SOFT AREAS WILL REQUIRE EXCAVATING UNTIL FIRM GROUND IS FOUND AND BACKFILLING WITH A 6/2 MATERIAL, AND TO BE COMPACTED IN 150mm LAYERS.
 - PAVED 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 150mm LAYERS OF NO GREATER THAN 150mm.
 - WHEN THE WIDTH OF THE BASE OR SUB BASE IS LESS THAN 1.0m, CONCRETE MIX STS 25 N/mm² SHALL BE USED IN LEU. THE WIDTH OF THE CONCRETE WILL VARY FROM 0.5m TO 1.0m, ALTHOUGH THE MINIMUM SHALL BE 0.5m. THE MINIMUM THICKNESS OF THE CONCRETE SHALL BE 100mm OF THE FULL CARRIAGEWAY CONSTRUCTION. 100mm OF SURFACING IS REQUIRED ON TOP OF THE STS CONCRETE.
 - PLAVED CARRIAGEWAY AREAS OR ANY NEWLY Laid TRAMWAY MORE THAN 24 HOUR OLD REQUIRES A HOT TACKER APPLIED BITUMEN TACK COAT IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS, AS FOLLOWS:
 - a. THE BITUMEN SHALL BE APPLIED AT A RATE OF 0.220
 - b. THE BITUMEN SHALL BE BITUMEN EMULSION TO BS 434PART 1
 - c. THE BITUMEN SHALL BE CLASS M-40 OR K1-40
 - d. RATE OF SPREAD SHALL BE 0.3 TO 0.5/m²
 - e. SPREAD SHALL BE IN TWO LAYERS
 - f. BITUMEN MATERIAL NONE
 - DAMAGED/OVERLAP AREAS REQUIRE:
 - a. ALL NEWLY INSTALLED STATISTORY LIGHTS/STAKE APPARATUS WILL REQUIRE THE APPROPRIATE WARNING TAGS/LAMINATED TAGS TO BE Laid ON TOP OF THEIR POSTS, AND ALL DICTOS SHOULD BE Laid TO THE DEPTHS IN ACCORDANCE WITH THE LATEST NINE GUIDANCE PUBLICATION.
 - ANY STATUTORY LIGHTS/STAKE/FRAKES THAT ARE DAMAGED WILL REQUIRE REMOVING AND RESETTING TO THE NEW FINISHED SURFACE LEVELS. ANY DAMAGED DURING WORKS WILL NEED TO BE REPLACED.

DAMAGE/LIMITS 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 7 (1:3) MORTAR BED TO THE FINISHED SURFACE COURSE MATERIAL.
 - ANY STATUTORY LIGHTS/STAKE/FRAKES THAT ARE DAMAGED WILL REQUIRE REMOVING AND RESETTING TO THE NEW FINISHED SURFACE LEVELS. ANY DAMAGED DURING WORKS WILL NEED TO BE REPLACED.

COLLUS NOTES:

 - COLLUS LOCATED IN SHARED USE SURFACES MUST HAVE SUITABLE PREVENTION AND CONVEY REMOVAL TRACKS.
 - ANY DOUBLE COLLUS TO HAVE INDIVIDUAL COLLUS LEGS.

ROAD MARKINGS:

 - ALL REQUIRED ROAD MARKINGS TO COMPLY WITH TSSRD 2016 TRAFFIC SIGNS MANUAL CHAPTER 5

REV	DATE	DESCRIPTION
		<p>KEY:</p> <ul style="list-style-type: none">  CARBONKWAY CONSTRUCTION  PAVEMENT COURSE: 50mm OF AC 6 DENSE SURF 100/150 PEN  BINDER COURSE: 50mm OF AC 20 DENSE BIN 100/150 PEN  ROAD BASE: 50mm OF AC 32 DENSE BASE 100/150 PEN  SUB BASE: 50mm OF AC 20 DENSE BIN 100/150 PEN  DRAINAGE: 20mm OPEN GRASS MAT  ANY DOGS TO BE BACKFILLED WITH TYPE 1  CARBONKWAY REINFORCING  PLANE OUT EXISTING CONSTRUCTION TO A MAXIMUM DEPTH OF 80mm AND REPAIR WITH: <ul style="list-style-type: none">  PAVEMENT COURSE: 50mm OF AC 6 DENSE SURF 100/150 PEN  BINDER COURSE: 50mm OF AC 20 DENSE BIN 100/150 PEN  ROAD BASE: 50mm OF AC 32 DENSE BASE 100/150 PEN  SUB BASE: 50mm OF AC 20 DENSE BIN 100/150 PEN  DRAINAGE: 20mm OPEN GRASS MAT  BLOCK PAVED CARBONKWAY CONSTRUCTION  SURFACE COURSE: 50mm FACING ROCK LAD TO 45°  BINDER COURSE: 30mm SAND BINDER COURSE AS SPECIFIED BS/533 PART 3 0.063/0.5mm  BASE COURSE: 20mm OF AC 32 DENSE BASE 100/150 PEN  SUB BASE: 20mm OF AC 20 DENSE BIN 100/150 PEN  BLOCK PAVED CARBONKWAY CONSTRUCTION  SURFACE COURSE: 50mm THICK CONCRETE BLOCK PAVERS (CHARCOAL COLOUR) STRETCHER BOND  BINDER COURSE: 30mm SAND BINDER COURSE AS SPECIFIED BS/533 PART 3 0.063/0.5mm  SUB BASE: 150mm ST CONCRETE  EROSION CONSTRUCTION  SURFACE COURSE: 20mm OF AC 6 DENSE SURF 100/150 PEN  SUB BASE: 150mm THICK TYPE 1 GRANULAR SUB BASE (300mm AT REGULAR CROSSINGS)  ANY DOGS TO BE BACKFILLED WITH TYPE 1  EROSION REPAIRING  PLANE OUT EXISTING CONSTRUCTION TO A MAXIMUM DEPTH OF 80mm AND REPAIR WITH: <ul style="list-style-type: none">  SURFACE COURSE: 20mm OF AC 6 DENSE SURF 100/150 PEN  BINDER COURSE: 30mm OF AC 20 DENSE BIN 100/150 PEN  ROAD BASE: 50mm OF AC 32 DENSE BASE 100/150 PEN  SUB BASE: 50mm OF AC 20 DENSE BIN 100/150 PEN  DRAINAGE: 20mm OPEN GRASS MAT  BLOCK PAVED CARBONKWAY CONSTRUCTION  SURFACE COURSE: 40mm x 40mm x 50mm TACTILE  BINDER COURSE: 30mm SAND BINDER COURSE AS SPECIFIED BS/533 PART 3 0.063/0.5mm  SUB BASE: 150mm THICK TYPE 1 GRANULAR SUB BASE (300mm AT REGULAR CROSSINGS)  ANY DOGS TO BE BACKFILLED WITH TYPE 1  EROSION REPAIRING  PLANE OUT EXISTING CONSTRUCTION TO A MAXIMUM DEPTH OF 80mm AND REPAIR WITH: <ul style="list-style-type: none">  SURFACE COURSE: 20mm OF AC 6 DENSE SURF 100/150 PEN  BINDER COURSE: 30mm OF AC 20 DENSE BIN 100/150 PEN  ROAD BASE: 50mm OF AC 32 DENSE BASE 100/150 PEN  SUB BASE: 50mm OF AC 20 DENSE BIN 100/150 PEN  DRAINAGE: 20mm OPEN GRASS MAT  BLOCK PAVED CARBONKWAY CONSTRUCTION  SURFACE COURSE: 40mm x 40mm x 50mm TACTILE  BINDER COURSE: 30mm SAND BINDER COURSE AS SPECIFIED BS/533 PART 3 0.063/0.5mm  SUB BASE: 150mm THICK TYPE 1 GRANULAR SUB BASE (300mm AT REGULAR CROSSINGS)  ANY DOGS TO BE BACKFILLED WITH TYPE 1  EROSION REPAIRING  PLANE OUT EXISTING CONSTRUCTION TO A MAXIMUM DEPTH OF 80mm AND REPAIR WITH: <ul style="list-style-type: none">  SURFACE COURSE: 20mm OF AC 6 DENSE SURF 100/150 PEN  BINDER COURSE: 30mm OF AC 20 DENSE BIN 100/150 PEN  ROAD BASE: 50mm OF AC 32 DENSE BASE 100/150 PEN  SUB BASE: 50mm OF AC 20 DENSE BIN 100/150 PEN  DRAINAGE: 20mm OPEN GRASS MAT  BLOCK PAVED CARBONKWAY CONSTRUCTION  SURFACE COURSE: 40mm x 40mm x 50mm TACTILE  BINDER COURSE: 30mm SAND BINDER COURSE AS SPECIFIED BS/533 PART 3 0.063/0.5mm  SUB BASE: 150mm THICK TYPE 1 GRANULAR SUB BASE (300mm AT REGULAR CROSSINGS)  ANY DOGS TO BE BACKFILLED WITH TYPE 1  EROSION REPAIRING  PLANE OUT EXISTING CONSTRUCTION TO A MAXIMUM DEPTH OF 80mm AND REPAIR WITH: <ul style="list-style-type: none">  SURFACE COURSE: 20mm OF AC 6 DENSE SURF 100/150 PEN  BINDER COURSE: 30mm OF AC 20 DENSE BIN 100/150 PEN  ROAD BASE: 50mm OF AC 32 DENSE BASE 100/150 PEN  SUB BASE: 50mm OF AC 20 DENSE BIN 100/150 PEN  DRAINAGE: 20mm OPEN GRASS MAT  BLOCK PAVED CARBONKWAY CONSTRUCTION  SURFACE COURSE: 40mm x 40mm x 50mm TACTILE  BINDER COURSE: 30mm SAND BINDER COURSE AS SPECIFIED BS/533 PART 3 0.063/0.5mm  SUB BASE: 150mm THICK TYPE 1 GRANULAR SUB BASE (300mm AT REGULAR CROSSINGS)