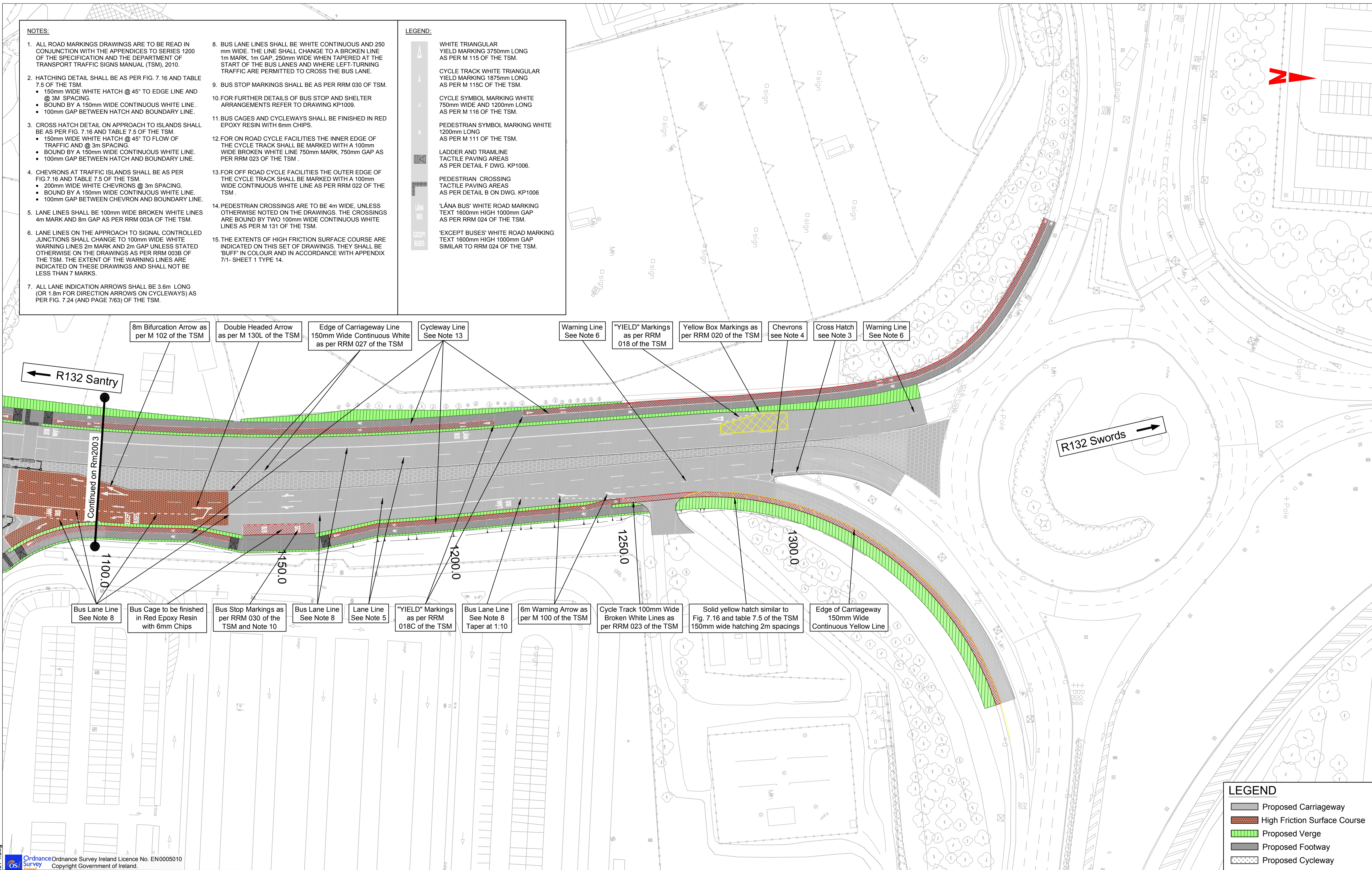


- NOTES:**
- ALL ROAD MARKINGS DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE APPENDICES TO SERIES 1200 OF THE SPECIFICATION AND THE DEPARTMENT OF TRANSPORT TRAFFIC SIGNS MANUAL (TSM), 2010.
  - HATCHING DETAIL SHALL BE AS PER FIG. 7.16 AND TABLE 7.5 OF THE TSM.
    - 150mm WIDE WHITE HATCH @ 45° TO EDGE LINE AND @ 3M SPACING.
    - BOUND BY A 150mm WIDE CONTINUOUS WHITE LINE.
    - 100mm GAP BETWEEN HATCH AND BOUNDARY LINE.
  - CROSS HATCH DETAIL ON APPROACH TO ISLANDS SHALL BE AS PER FIG. 7.16 AND TABLE 7.5 OF THE TSM.
    - 150mm WIDE WHITE HATCH @ 45° TO FLOW OF TRAFFIC AND @ 3m SPACING.
    - BOUND BY A 150mm WIDE CONTINUOUS WHITE LINE.
    - 100mm GAP BETWEEN HATCH AND BOUNDARY LINE.
  - CHEVRONS AT TRAFFIC ISLANDS SHALL BE AS PER FIG. 7.16 AND TABLE 7.5 OF THE TSM.
    - 200mm WIDE WHITE CHEVRONS @ 3m SPACING.
    - BOUND BY A 150mm WIDE CONTINUOUS WHITE LINE.
    - 100mm GAP BETWEEN CHEVRON AND BOUNDARY LINE.
  - LANE LINES SHALL BE 100mm WIDE BROKEN WHITE LINES 4m MARK AND 8m GAP AS PER RRM 003A OF THE TSM.
  - LANE LINES ON THE APPROACH TO SIGNAL CONTROLLED JUNCTIONS SHALL CHANGE TO 100mm WIDE WHITE WARNING LINES 2m MARK AND 2m GAP UNLESS STATED OTHERWISE ON THE DRAWINGS AS PER RRM 003B OF THE TSM. THE EXTENT OF THE WARNING LINES ARE INDICATED ON THESE DRAWINGS AND SHALL NOT BE LESS THAN 7 MARKS.
  - ALL LANE INDICATION ARROWS SHALL BE 3.6m LONG (OR 1.8m FOR DIRECTION ARROWS ON CYCLEWAYS) AS PER FIG. 7.24 (AND PAGE 7/63) OF THE TSM.
  - BUS LANE LINES SHALL BE WHITE CONTINUOUS AND 250mm WIDE. THE LINE SHALL CHANGE TO A BROKEN LINE 1m MARK, 1m GAP, 250mm WIDE WHEN TAPERED AT THE START OF THE BUS LANES AND WHERE LEFT-TURNING TRAFFIC ARE PERMITTED TO CROSS THE BUS LANE.
  - BUS STOP MARKINGS SHALL BE AS PER RRM 030 OF TSM.
  - FOR FURTHER DETAILS OF BUS STOP AND SHELTER ARRANGEMENTS REFER TO DRAWING KP1009.
  - BUS CAGES AND CYCLEWAYS SHALL BE FINISHED IN RED EPOXY RESIN WITH 6mm CHIPS.
  - FOR ON ROAD CYCLE FACILITIES THE INNER EDGE OF THE CYCLE TRACK SHALL BE MARKED WITH A 100mm WIDE BROKEN WHITE LINE 750mm MARK, 750mm GAP AS PER RRM 023 OF THE TSM.
  - FOR OFF ROAD CYCLE FACILITIES THE OUTER EDGE OF THE CYCLE TRACK SHALL BE MARKED WITH A 100mm WIDE CONTINUOUS WHITE LINE AS PER RRM 022 OF THE TSM.
  - PEDESTRIAN CROSSINGS ARE TO BE 4m WIDE, UNLESS OTHERWISE NOTED ON THE DRAWINGS. THE CROSSINGS ARE BOUND BY TWO 100mm WIDE CONTINUOUS WHITE LINES AS PER M 131 OF THE TSM.
  - THE EXTENTS OF HIGH FRICTION SURFACE COURSE ARE INDICATED ON THIS SET OF DRAWINGS. THEY SHALL BE "BUFF" IN COLOUR AND IN ACCORDANCE WITH APPENDIX 7/1- SHEET 1 TYPE 14.

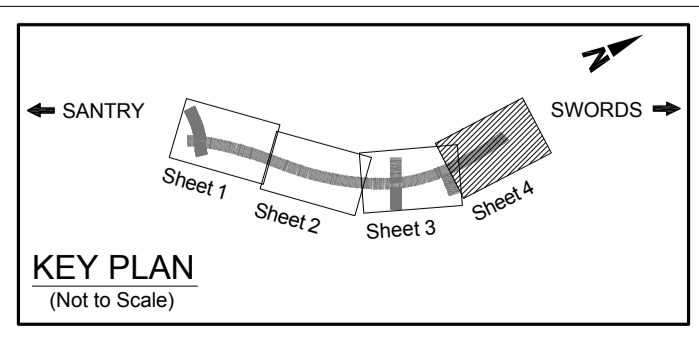
- LEGEND:**
- WHITE TRIANGULAR YIELD MARKING 3750mm LONG AS PER M 115 OF THE TSM.
  - CYCLE TRACK WHITE TRIANGULAR YIELD MARKING 1875mm LONG AS PER M 115C OF THE TSM.
  - CYCLE SYMBOL MARKING WHITE 750mm WIDE AND 1200mm LONG AS PER M 116 OF THE TSM.
  - PEDESTRIAN SYMBOL MARKING WHITE 1200mm LONG AS PER M 111 OF THE TSM.
  - LADDER AND TRAMLINE TACTILE PAVING AREAS AS PER DETAIL F DWG. KP1006.
  - PEDESTRIAN CROSSING TACTILE PAVING AREAS AS PER DETAIL B ON DWG. KP1006.
  - 'LANA BUS' WHITE ROAD MARKING TEXT 1600mm HIGH 1000mm GAP AS PER RRM 024 OF THE TSM.
  - 'EXCEPT BUSES' WHITE ROAD MARKING TEXT 1600mm HIGH 1000mm GAP SIMILAR TO RRM 024 OF THE TSM.



- 8m Bifurcation Arrow as per M 102 of the TSM
- Double Headed Arrow as per M 130L of the TSM
- Edge of Carriageway Line 150mm Wide Continuous White as per RRM 027 of the TSM
- Cycleway Line See Note 13
- Warning Line See Note 6
- "YIELD" Markings as per RRM 018 of the TSM
- Yellow Box Markings as per RRM 020 of the TSM
- Chevrons see Note 4
- Cross Hatch see Note 3
- Warning Line See Note 6
- Bus Lane Line See Note 8
- Bus Cage to be finished in Red Epoxy Resin with 6mm Chips
- Bus Stop Markings as per RRM 030 of the TSM and Note 10
- Bus Lane Line See Note 8
- Lane Line See Note 5
- "YIELD" Markings as per RRM 018C of the TSM
- Bus Lane Line See Note 8
- 6m Warning Arrow as per M 100 of the TSM
- Cycle Track 100mm Wide Broken White Lines as per RRM 023 of the TSM
- Solid yellow hatch similar to Fig. 7.16 and table 7.5 of the TSM 150mm wide hatching 2m spacings
- Edge of Carriageway 150mm Wide Continuous Yellow Line

- LEGEND**
- Proposed Carriageway
  - High Friction Surface Course
  - Proposed Verge
  - Proposed Footway
  - Proposed Cycleway

- NOTES**
- This drawing is the property of RPS Consulting Engineers. It is a confidential document and must not be copied, used, or its content divulged without prior written consent.
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  - Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work.



No.	Date	By	For	Amendment / Issue
B02	06/11	DL	PH	ISSUE FOR TENDER
B01	05/11	DL	PH	ISSUE FOR TENDER
A01	09/10	DL	PH	ISSUE FOR APPROVAL

Client  
**daa**  
Dublin Airport Authority

CIP No.: 1.014 EDAD:07039

Drawn By: DH  
Checked By: CG  
Approved By: PT  
Date: July '10

Project  
**R132 Upgrade**  
Collinstown Cross to Airport Roundabout

Drawing Status: Tender  
Sheet Size: A1  
Scale: 1:500

Drawing Number: **MDT0372/RM2004**  
Rev: **B02**

Title: **ROAD MARKINGS**  
Sheet 4 of 4

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