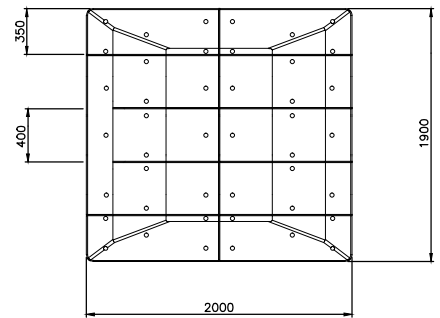
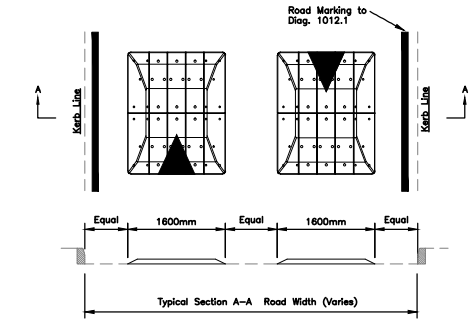


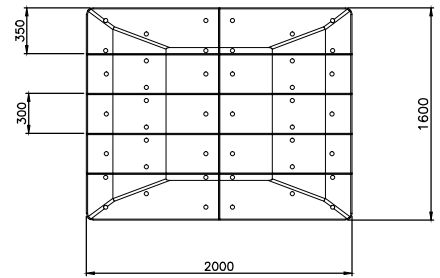
Typical Arrangement of 75mm High Speed Cushions
NOTE: Speed Cushions to be equally spaced across carriageway width at Locations C and D



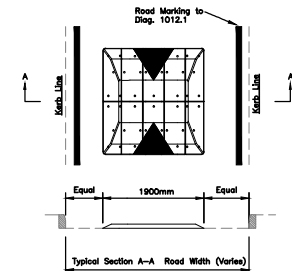
Trafficop speed cushion or approved equivalent



Typical Arrangement of 75mm High Speed Cushions
NOTE: Speed Cushions to be equally spaced across carriageway width at Locations B and E



Trafficop speed cushion or approved equivalent



Typical Arrangement of 75mm High Speed Cushions
NOTE: Speed Cushions to be equally spaced across carriageway width at Locations A and F



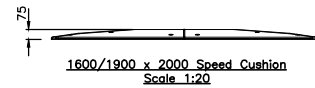
Humps for 3/4 mile



Humps for 3/4 mile

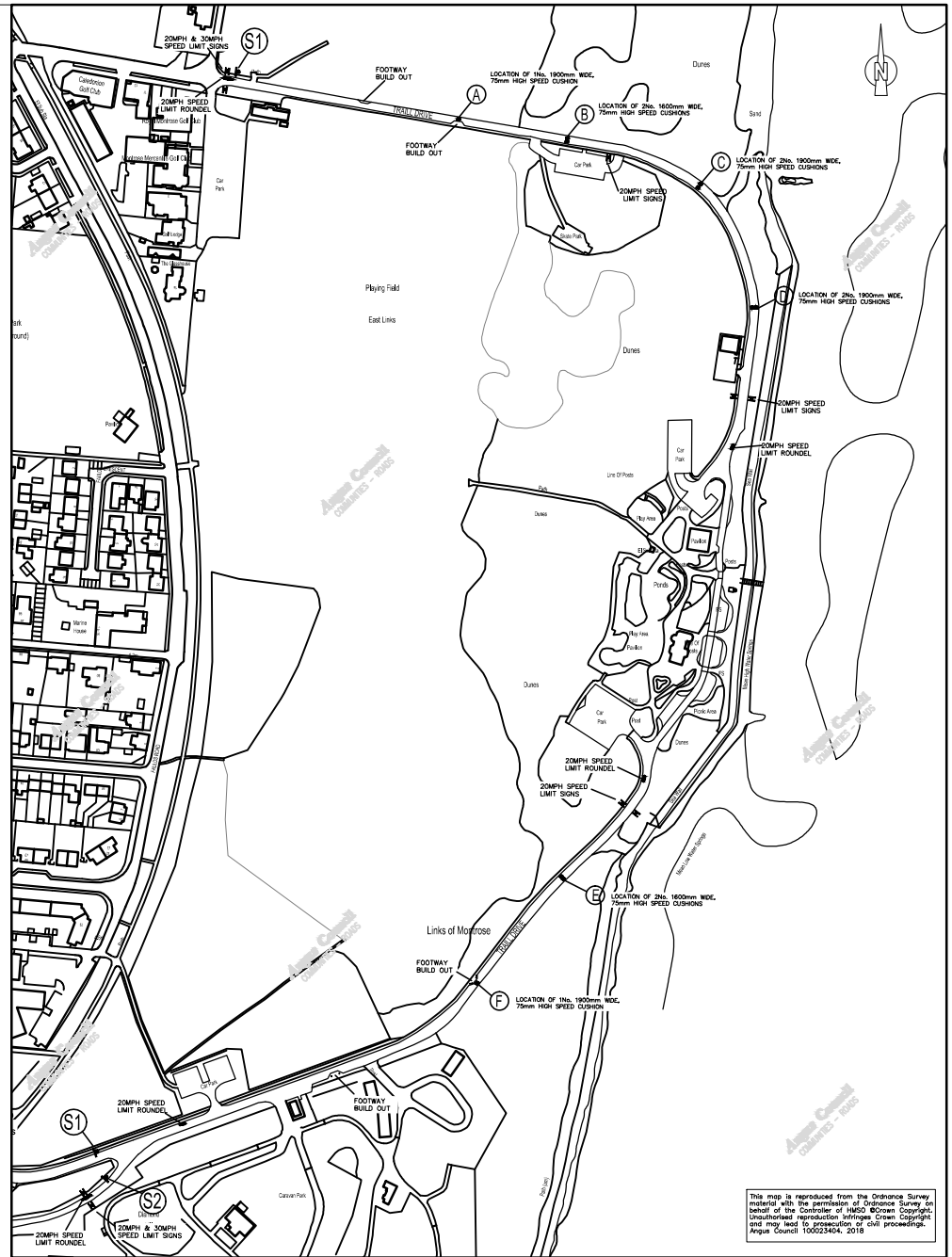
Ref	Description	Quantity	Notes
1	1600/1900 x 2000 Speed Cushion	2	At Locations C and D
2	1600/1900 x 2000 Speed Cushion	2	At Locations B and E
3	1600/1900 x 2000 Speed Cushion	2	At Locations A and F
4	Warning Sign (Humps for 3/4 mile)	2	At Locations C and D
5	Warning Sign (Humps for 3/4 mile with arrow)	2	At Locations B and E

Ref	Description	Quantity	Notes
6	1600/1900 x 2000 Speed Cushion	2	At Locations C and D
7	1600/1900 x 2000 Speed Cushion	2	At Locations B and E
8	1600/1900 x 2000 Speed Cushion	2	At Locations A and F
9	Warning Sign (Humps for 3/4 mile)	2	At Locations C and D
10	Warning Sign (Humps for 3/4 mile with arrow)	2	At Locations B and E



TRAFFICOP SPEED CUSHION PROPERTIES
Height - 75mm
Side Slope - 1:4
Ramp Slope - 1:10
Colour - Black
Proprietary Trafficop speed cushion to be laid in two across carriageway. Exact location to be agreed with Engineer prior to fixing.

- NOTES:**
- GENERAL**
- THIS DRAWING HAS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT CONTRACT DOCUMENTS.
 - CONTRACTOR TO ENSURE THAT ALL POINTS OF CONFLICT WITH REGARDS TO ALL DRAWINGS, CONTRACT DOCUMENTS, BILLS OF QUANTITIES AND GENERAL WORKS ARE RESOLVED AND AGREED WITH ANGUS COUNCIL'S ENGINEER PRIOR TO WORKS COMMENCING.
 - ALL WORKS ARE TO BE IN ACCORDANCE WITH THE DESIGN MANUAL FOR ROADS AND BRIDGES' AND THE 'MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAYS WORKS' AND ANGUS COUNCIL'S ROAD STANDARDS WHERE APPROPRIATE.
 - ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS NOTED.
 - ENGINEER MUST BE CONTACTED FOR SETTING OUT OF WORKS PRIOR TO INSTALLATION.
 - TRAFFIC MANAGEMENT: ALL WORKS MUST BE PROTECTED AS PER THE REQUIREMENTS OF CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
- ROAD MARKINGS**
7. PLACEMENT OF ROAD MARKINGS TO DIAG. 1012.1 IN WHITE THERMOPLASTIC SCREED WITH APPLIED CLASS BEADS AS SET OUT ON SITE BY ENGINEER. (WIDTH = 150mm, LENGTH = 365m)
- SIGNING WORKS**
8. ALL SIGN PLATES ARE TO BE AS PER THE DIAGRAM REFERENCES IN THE 'TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2016' AND CHAPTER 4 OF THE 'TRAFFIC SIGNS MANUAL'.
 9. ALL SIGN PLATES ARE TO BE MANUFACTURED IN ACCORDANCE WITH BS EN 12899-1 WITH A REFLECTIVITY LEVEL OF RA-2. SIGNS MUST BE FULLY CE COMPLIANT AND BE APPROPRIATELY MARKED AS SUCH.
- SIGNING WORKS (Continued)**
10. SIGN PLATES AT EACH LOCATION ARE TO BE MOUNTED ON 110g, NEW, 78mm dia GALVANISED, TUBULAR STEEL POLE, FITTED WITH PLASTIC ENDCAP AND SET IN SUITABLY SIZED CONCRETE FOUNDATIONS.
 11. SIGN PLATE QUANTITIES:
3no. of SIGN PLATE TO DIAGRAM 557.1 (ROAD HUMPS WARNING TRIANGLE)
2no. of SIGN PLATE TO DIAGRAM 557.2 (DISTANCE PLATE, 3/4 mile)
2no. of SIGN PLATE TO DIAGRAM 557.3R (DISTANCE PLATE, 3/4 mile, RIGHT ARROW)
 12. SIGN MOUNTING HEIGHT - 2.25m ABOVE FOOTWAY TO UNDERSIDE OF SIGN PLATES.
 13. LATERAL CLEARANCE - 600mm MINIMUM TO EDGE OF SIGN PLATE, WHERE POSSIBLE SIGN POLES SHOULD BE ERRECTED AT REAR OF FOOTWAY.
 14. WIND LOADING - WIND LOADING CLASS 6 TO BE USED FOR CHANNELS AND FIXINGS UNLESS SPECIFICALLY NOTED ON SIGN PLATE DETAILS.
- SPEED CUSHION WORKS**
15. ALL SPEED CUSHIONS ARE TO BE REDIWELD 'TRAFFICOP' OR SIMILAR APPROVED, MANUFACTURED FROM RECYCLED RUBBER MATERIAL AND INSTALLED AS PER MANUFACTURERS CURRENT GUIDANCE.
 16. SPEED CUSHION DIMENSIONS TO BE AS NOTED BELOW:
HEIGHT = 75mm - SIDE SLOPE = 1:4; MAIN RAMP SLOPE = 1:10; COLOUR = BLACK WITH PREFORMED MARGINS; O/ALL LENGTH = 2000mm; O/ALL WIDTH 1800mm AT LOCATIONS B & E AND 1900mm AT LOCATIONS A, C, D & F.
 17. SPEED CUSHIONS ARE TO BE LAID IN TWOS ACROSS THE CARRIAGEWAY AT THE LOCATIONS B, C, D & E AND ONLY ONE TO BE LAID AT LOCATIONS A & F.
 18. ANGUS COUNCIL ROADS BUSINESS UNIT MUST BE CONTACTED AT LEAST 1 WEEK BEFORE THE WORKS COMMENCE ON SITE TO ARRANGE FOR SETTING OUT AND FOR WORKS NOTIFICATIONS (ANDREA STRACHAN - 01307 473166).



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Rev.	Date	Description	Drawn	Checked	Approved	Drawing Size:	Plotting Scale:	Status:	<p>Angus Council TECHNICAL & PROPERTY SERVICES Engineer - Head of Tech & Property Services</p> <p>TRAFFIC Section County Buildings Market Street Forfar DD8 3AR</p> <p>Tel: 01307 461480 Fax: 01307 473388</p> <p>Path & Filename: S:\Roads\Traffic\Management\Projects 2018-19\Feasibility\AS - Trill Drive Mon트로se - Traffic Counm\TD-MON-2018</p>	Drawing Title:	<p>SPEED CUSHIONS GENERAL LAYOUT</p> <p>Project Title: TRAILL DRIVE, MON트로SE TRAFFIC CALMING</p> <p>Project No: 105040000</p> <p>Drawing No: TD/M01</p> <p>Revision: -</p>
					AS	1:1	Final	Drawing Title:			
					AS	1:1	Approved By:	Project Title:			
					19/10/18	1:1	Date:	Project Title:			
					19/10/18	1:1	Date:	Project Title:			