GENERAL NOTES

Signs (where practicable) shall be placed on both sides of multilane roads or where speed is 80km/h or greater

"Road/Bridge Work Ahead" signs shall be used for long term works

Road Plant/Operating vehicles to be fitted with operational rotating flashing beacons

Signs & delineating devices to be fitted with Class 1 Retro-Reflective Materials to accomodate low light conditions

15min rest or change of duty shall be given to TC's after a period of no more than 2hrs of performing stop/slow operations

Pedestrian care to be provided at all times. 1.2m clearance for pedestrian access to be maintained

Existing signage that conflicts with temporary controls to be covered

Workman symbolic to be removed or covered where workers are no longer present on site

Personal protective equipment to be used accordingly.
i.e. overhead works = hardhat
Hi Vis to be worn at all times

ROAD CONDITION SIGNS

Should be used to warn road users of temporarily hazardous conditions. Signs to be placed at a distance of "D" in advance of hazard.

GRAVEL ROAD	
LOOSE SURFACE	
SOFT EDGES	ROUGH SURFACE

LANE WIDTHS

3M min for speeds up to 60 km/h
3.5M for speeds greater than 60 km/h
0.5M curve widening per lane shall be applied to curves of radius between 100M & 250M
Swept path of longer vehicles to be considered where curve radius is less than 100M

TEMPORARY SPEEDS

40 km/h	Workers or plant operating within 1.2M of traffic lane zone length 500M max
60 km/h	Workers or plant operating between 1.2M & 3M from traffic lane zone length 300M min
80 km/h	Workers or plant operating between 3M & 6M from traffic lane zone length 300M min

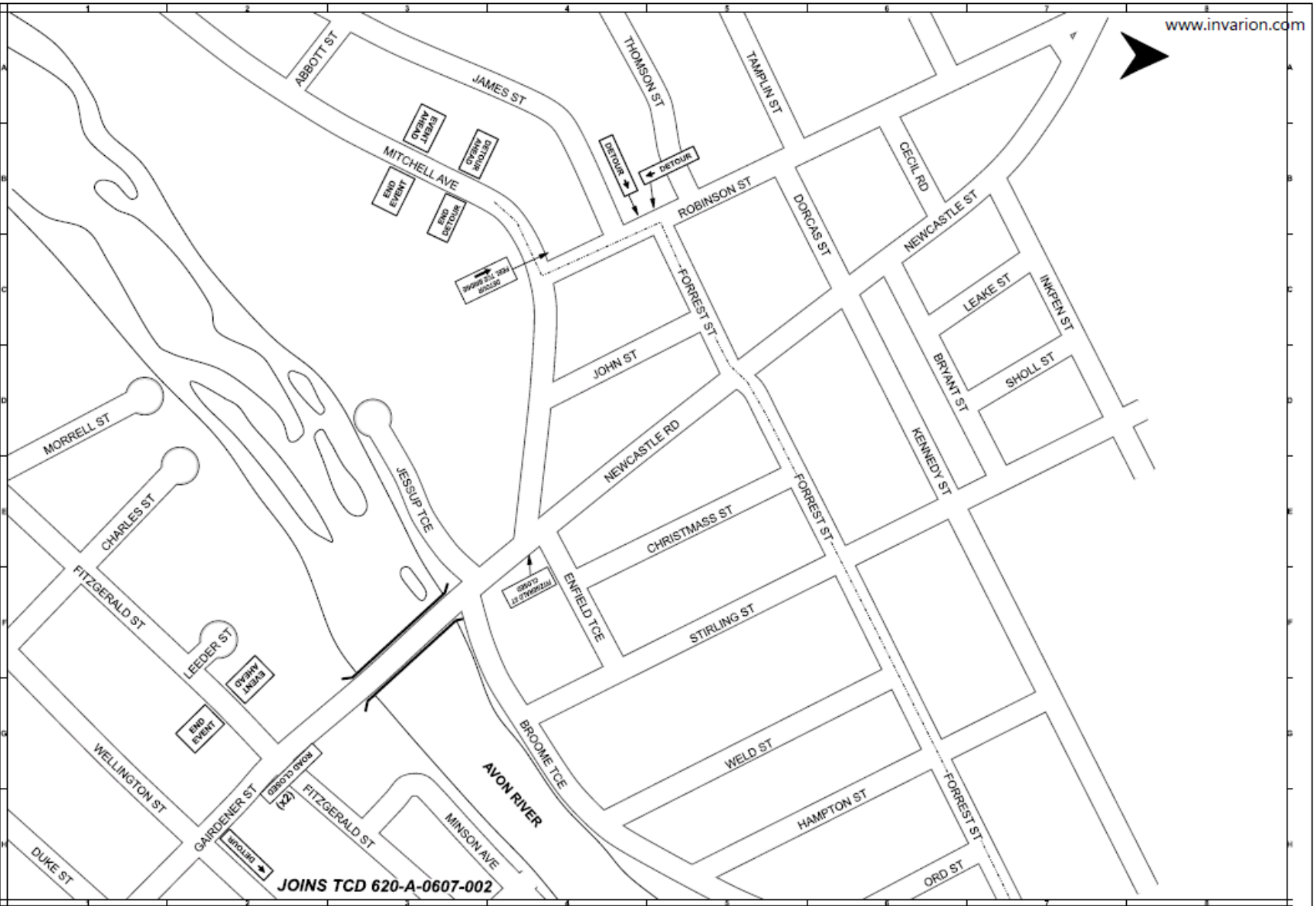
TOLERANCES

Positioning of signs
10% less than the distances or length given
25% more than distances or length given

Positioning of delineation devices
10% more than the distances or length given
No minimum

DIMENSION OF "D"

Speed of traffic km/h	Dimension D M
55 or less	15
56 to 65	45
Greater than 65	Equal to speed of traffic in km/h



ADVANCED TRAFFIC MANAGEMENT (WA)PTY LTD
Traffic Management Specialists

22-24 Clayton Street Bellevue
Western Australia 6056
Phone : (08) 9274 6300
Fax : (08) 9250 6346

PROPERTY OF ATM (W.A.)

THIS PLAN CAN BE ONLY USED BY QUALIFIED TRAFFIC CONTROLLER FROM ATM (W.A.), UNLESS AUTHORISED OTHERWISE

WHERE TRAFFIC CONTROL MEASURES ARE IMPLEMENTED & MAINTAINED BY PERSONS OTHER THAN ATM, IT IS THEIR RISK & RESPONSIBILITY SOLELY

REV No:	DATE:	REVISION:

ENVIRONMENTAL PROTECTION
1. CONTROL VEHICLE DEPARTS ONLY
2. OPERATE WITHIN THE ROAD RESERVE ONLY
3. DO NOT DEVIEPARE OFF ROAD WITHOUT APPROVAL
4. DO NOT DISTURB ROAD VERGE FLORA AND FAUNA
5. REMOVE ALL RUBBISH GENERATED FROM THE JOB
6. WASH VEHICLES AND SIGNAGE BETWEEN NOMINATED WORK SITES
7. REFER TO CLIENT PROTOCOLS IN ENVIRONMENTAL AND OH HERITAGE SITES
8. IF UNSURE - CONSULT WITH CLIENT AT PRE-START TOOLBOX MEETING

PLEASE NOTE THAT ABOVE PRINCIPLES MAY APPLY TO INDIVIDUALS AND PUNISHABLE FOR DAMAGE TO NATIVE VEGETATION, WILDLIFE AND SENSITIVE HERITAGE SITES

POSTED SPEED: VARIOUS	LOCATION OF WORKSITE: Town Center, Northam, WA 6401	DRAWN BY: Cliff Reeves ETA 11-4957-01	SIGNATURE:	TITLE: TRAFFIC CONTROL DIAGRAM TO ASSIST WITH NORTHAM FLYING 50 WITH ROAD CLOSURE AND DETOUR ROUTES FOR EVENT
WORKSITE SPEED: VARIOUS		DESIGNED BY: Cliff Reeves ETA 11-4957-01	SIGNATURE:	
CLIENT:	Event Organiser: Robyn Larkin 0419 917 293	CHECKED BY: David Debridge ETA 13-5477-02	SIGNATURE:	
		DATE: 20th January 2015	SCALE: Not to Scale	DATE AND TIME OF PROPOSED WORKS: 28th & 29th March 2015
				DRAWING NO: 620-A-0607-001
				REVISION: 4

FILE PATH: T:\Drafting & Design\Plans\15 01 January\VSCC\TMP 620-A-0607- VSCC - NORTHAM FLYING 50 EVENT\2013-2014 FILES

GENERAL NOTES

Signs (where practicable) shall be placed on both sides of multilane roads or where speed is 50km/h or greater

'Road/Bridge Work Ahead' signs shall be used for long term works

Road plant/operating vehicles to be fitted with operational rotating flashing beacons

Signs & delineating devices to be fitted with Class 1 retro-reflective materials to accomodate low light conditions

15min rest or change of duty shall be given to TC's after a period of no more than 2hrs of performing stop/slow operations

Pedestrian care to be provided at all times. 1.2m clearance for pedestrian access to be maintained

Existing signage that conflicts with temporary controls to be covered

Workman symbolic to be removed or covered where workers are no longer present on site

Personal protective equipment to be used accordingly. i.e. Overhead works = Hardhat Hi Vis to be worn at ALL times

ROAD CONDITION SIGNS

Should be used to warn road users of temporarily hazardous conditions. Signs to be placed at a distance of "D" in advance of hazard.

GRAVEL ROAD	
LOOSE SURFACE	
SOFT EDGES	ROUGH SURFACE

LANE WIDTHS

3m min for speeds up to 60 km/h
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0.5m curve widening per lane shall be applied to curves of radius between 100m & 250m
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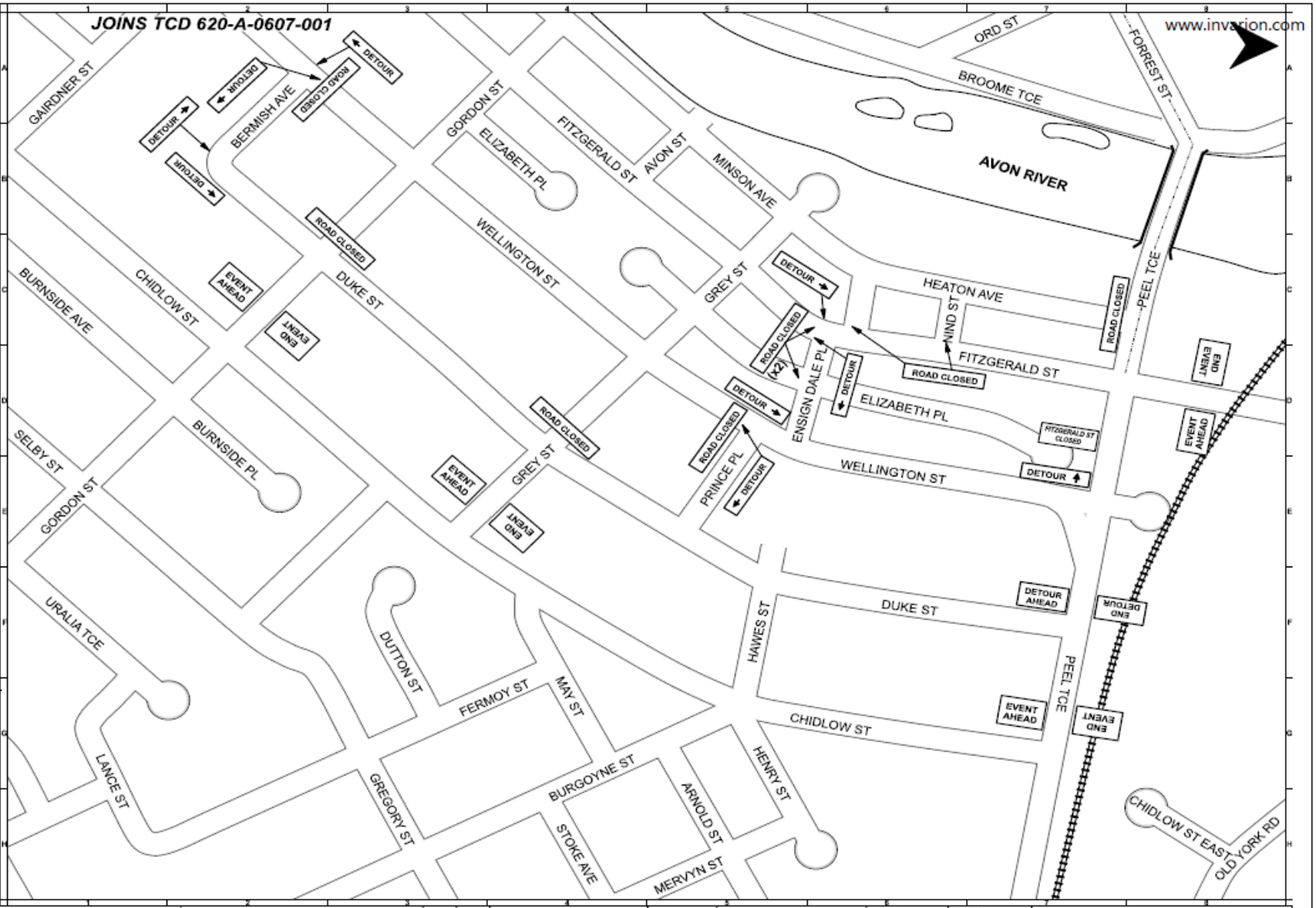

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REV No:	DATE:	REVISION:

ENVIRONMENTAL PROTECTION
1. CONTROL VEHICLE SPEEDS TO 15KPH
2. OPERATE WITHIN THE ROAD RESERVE ONLY
3. DO NOT DEPART OFF ROAD VEHICLE APPROVAL
4. DO NOT DISTURB ROAD VEGETATION AND FAUNA
5. REMOVE ALL RUBBISH GENERATED FROM THE SITE
6. WASH VEHICLES AND DRAINAGE BETWEEN NOMINATED WORK SITES
7. REFER TO CLIENT PROTOCOLS, ENVIRONMENTAL AND OR HERITAGE SITES
8. IF UNSURE - CONSULT WITH CLIENT WITHIN SAME TO DISCUSS MEETING

PLEASE NOTE THAT HEAVY PENALTIES MAY APPLY TO INDIVIDUALS AND BUSINESSES FOR DAMAGE TO NATIVE VEGETATION/WILDLIFE AND SENSITIVE HERITAGE SITES

POSTED SPEED: VARIOUS	LOCATION OF WORKSITE: Town Center, Northam, WA 6401	DRAWN BY: Cliff Reeves ETA 11-4957-01	SIGNATURE:	TITLE: TRAFFIC CONTROL DIAGRAM TO ASSIST WITH NORTHAM FLYING 50 WITH ROAD CLOSURE AND DETOUR ROUTES FOR EVENT
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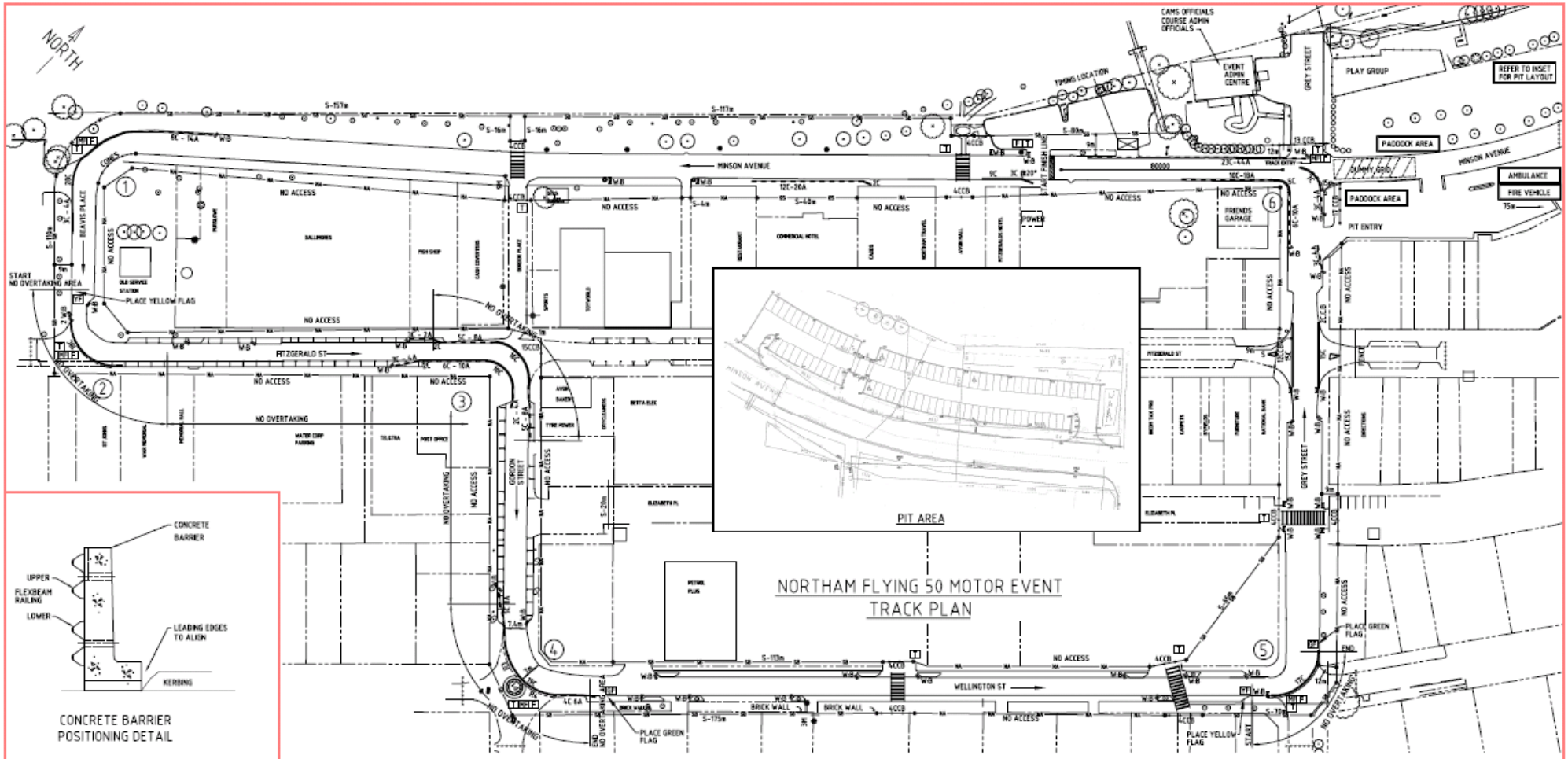
CLIENT:	Event Organiser: Robyn Larkin 0419 917 293	CHECKED BY: David Delbridge ETA 13-5477-02	SIGNATURE:	
		DATE: 20th January 2015	SCALE: Not to Scale	DATE AND TIME OF PROPOSED WORKS: 28th & 29th March 2015
FILE PATH:				DRAWING NO: 620-A-0607-002 / REVISION: 4



LEGEND

PRIMARY BARRIERS

- 7C — CONTINUOUS CONCRETE BARRIER — 7 CONCRETE UNITS (1.75m LONG)
- 4C-6A — SPACED CONCRETE BARRIER WITH FLEXBEAM RAILING — 4 CONCRETE UNITS (1.75m LONG) AT 4m CENTRES WITH 6 FLEXBEAM UNITS BETWEEN FLEXBEAM UNITS = 1 UPPER & 1 LOWER PER SPACING

SECONDARY BARRIERS

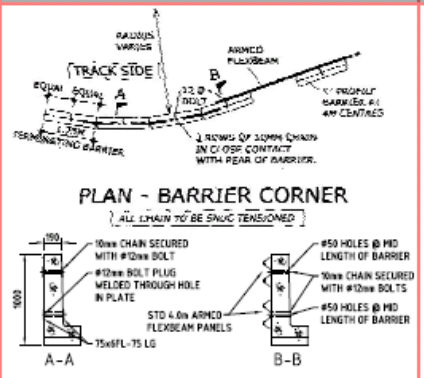
- S-49m — SECONDARY BARRIER TO BE UNFILLED PLASTIC WATER BARRIERS SECURED TOGETHER OR 1M HIGH PLASTIC BARRIER MESH EFFECTIVELY SUPPORTED BY PLASTIC PLASTIC BOLLARDS OR STAR PICKETS — 45m OF ORANGE MESH — 10 PLASTIC BOLLARDS 1m HIGH
- 4-CCB — CROWD CONTROL BARRIER CONES
- ROAD CLOSURE BARRIER - MIN 15m FROM SECONDARY BARRIER OTHERWISE AS STATED BY COURSE DIRECTOR FOR ROAD CLOSURES AT INTERSECTIONS NOT COVERED ON THIS PLAN

NO ACCESS

- NO ACCESS AREA'S

- EXISTING FENCELINE
- 2 — TURN No.
- TREE OR SHRUBS
- MF — FLAG MARSHAL
- F — FIRE EXTINGUISHER
- T — COMMUNICATION
- GF — GREEN FLAG — END NO OVERTAKING AREA
- YF — YELLOW FLAG — START NO OVERTAKING AREA
- CONTROLLED PUBLIC CROSSOVER
- W-B — UNFILLED PLASTIC WATER BARRIER (ROTATED AT 29° TO TRACK)
- DIRECTION OF VEHICLES

BARRIERS



BARRIER LINKING DETAILS

DESIGN ESTIMATE OF BARRIER / RAILING UNITS

	QTY
CONCRETE BLOCKS X 1.75M LONG	268
ARMCO RAILING LENGTHS	170
PLASTIC WATER BARRIERS (STANDARD 2M LONG)	61
SECONDARY BARRIER-APPROXIMATE TOTAL LENGTH	1600

ARMCO RAIL FITTINGS

CHAIN IN METRES	600
CHAIN BOLTS	242
CROWD CONTROL BARRIERS	98
A - BOLT - 16mm x 330mm LONG ENDS THREADED 75mm	206
B - 192 x 10 PLATE x 100 WASHER WITH 20-DIA HOLE	206
C - M16 STANDARD WASHER	206
D - M16 NUTS	206

NOTE
1. NO ALLOWANCE FOR LOST OR DAMAGED BOLTS / WASHERS
2. ALL BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANISED
3. NO QUANTITIES TAKEN FOR ANY PACKING THAT MAY BE REQUIRED WHERE CONCRETE BARRIERS ARE PLACED OVER UNEVEN SURFACES

GENERAL NOTES

1. PRIMARY BARRIERS ARE GENERALLY SHOWN 5M IN FRONT OF LOT BOUNDARIES WITH BUILDINGS ON BOUNDARY ELSEWHERE THEY ARE TO BE LOCATED AS SHOWN IN 'CONCRETE BARRIER POSITIONING DETAIL' ABOVE
2. CURVED PRIMARY BARRIERS MADE FROM 1.75m LONG CONCRETE UNITS
3. STRAIGHT PRIMARY BARRIERS MADE FROM 1.75m LONG CONCRETE UNITS AND 4M FLEXBEAM RAILING
4. SECONDARY BARRIERS ARE 3m MIN BEHIND PRIMARY BARRIERS (UNLESS OTHERWISE NOTED)
5. NO PRIMARY BARRIER IS NECESSARY IF SECONDARY BARRIER IS POSITIONED 9m FROM ROAD EDGE
6. SECONDARY WATER FILLED BARRIERS ARE TO BE USED TO PROTECT PROPERTY WHERE NO PUBLIC ACCESS IS PERMITTED
7. ALL SPECTATOR ENCLOSURES SHALL HAVE SECONDARY BARRIERS INSTALLED 3 METRES BEHIND PRIMARY BARRIERS
8. ALL LAMP POLES ETCTO BE PROTECTED USING UNFILLED PLASTIC WATER BARRIERS

TRACK LENGTH
1.36km

0m 20m 40m 60m 80m 100m
SCALE

VINTAGE SPORTS CAR CLUB of WESTERN AUSTRALIA (inc)

NORTHAM FLYING 50 MOTOR EVENT - TRACK PLAN

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REV 9B

LAST REVISION DATE	04 JANUARY 2008	SCALE	REFER SCALE BAR
CAD FILE NAME	2007-NORTHAM-FLYING-50-LAYOUT.dwg		A1