
**Confirmed Tornado
Newmarket, Ontario
August 20, 2009**

Date- Local: Thursday, August 20th, 2009

UTC: Thursday, August 20th, 2009

Time- Local: 1750

UTC: 2150

Location: Newmarket

Region: York - Durham

Classification: Confirmed Tornado

Category: C

Casualties: None

Track Length: 2472.7 m

Width: None available

Motion: 219 degrees

Damage Estimate: None available

F-Scale Rating: F1

Code: OB

Damage Survey: None, storm damage survey filled in by Brad Rousseau based on Arnold Ashton's data

Spotter Reports: None

Other Documents:

Storm damage survey

Photos of structural damage to buildings

Map of path

Tornado F-Scale Assessment

Brad L. Rousseau

Tornado Data Production Assistant, Environment Canada

February 23rd, 2010

Classification: Confirmed Tornado

Date: Thursday, August 20th, 2009

Location: Newmarket, York – Durham Region

Assessment: F1

F-Code: OB

Explanation of Assessment: Several large buildings had substantial roof damage. There are also snapped and uprooted trees as well as a downed TV antenna

OSPC Storm Damage Survey Report

Investigators	#1 (Lead) #3	#2 #4
Location / Region	Newmarket	York - Durham
Event Date Local / UTC (YYMMDD)	2009-08-20	2009-08-20
Event Time Local / UTC	1750	2150
Severe Weather Event Type	Tornado	
Classification	C	
F-scale Value	F1	
F-scale Code	OB	
Start Lat / Long	44.077358	-79.355971
End Lat / Long	44.094693	-79.336519
Path Length (m)	2472.70	
Motion (degrees)	219	
Max. Path Width (m)	width	
Avg. Path Width (m)	width	
Human Injuries / Fatalities	0	0
Animal Injuries / Fatalities	0	0
Damage (\$K) / Source	0	
Damage Description	Several large buildings had substantial roof damage. There are also snapped and uprooted trees. Photo of a downed tv antenna	
Other Notes		
Images and Captions	include storm photos, damage photos, maps, etc.	



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4th site
woods

moonstone & woodbridge

3 Gamble St. & Woblington
Ave.

1 Burnhaven - ^{Haymer}Jane & Hayes
Mackenzie

heisure Hwy #7

New Market / Aurora
East Gull.

400 East on Davis
cross 404 & Wookene
3 miles east on North
Side
Equestrian Centre

East Yurell Fire
Dept.

905-853-8842

Ken Beckett → in
charge

Brant Morris

Kendy Rd. South First Left
Iris Heninger

worker

Kyle Ecclestone 416-670-6460

Kaendra Eitel manager

cell - 905-715-4004

2 touch downs

- ① destroyed rings + lifted sign
 - ② Moved through barn (east)
- Steel came through window
Pony lifted into the air
Lifted 4 horse trailers
2 horse trailers full (tree hit it as well)
3-6 horse trailers empty

10:30 AM Friday Survey Equestrian Centre

Davis Drive 4252 ~~Davis~~

Davis Drive East West

Large tree uprooted on Main
Driveway pointing North East
240 ft wide

79W 21

Time of hit - 6:07 GPS 44° 05'

- Dressage ring East 5 hits

- Jumping ring West.

debris in circular pattern

- SW corner of Dressage Ring
was double decker hit

- 50 gallon drum garbage cans
moved 350 feet to the east

- Sign on SW corner of property
first thing hit.

- 240 people on site when
tornado hit. Everyone into
Arena~~th~~. Furthest West on property

- South east corner of building is where people stood.
- Building cinder block + wasn't touched.

① North end Shows metal Roofing
4405.3 x 7920.6

- Ice Box - Arena 2. was result of tornado moving in direction of arena 2 on 2nd hit.

- ② Washroom door blown off.
- ③ West Facing window

Arena 3 - Kendra watched event from window

- ① Barn 3 - Bald Roof!
- ② Water stains through door
- ③ Kendra watched North facing Roof "Leak"

- ④ numerous pics from tractor picked up + dropped w/o fence intact

Barn door facing East

① Barn 5 - Back doors Blown out.

- Sheet metal + riding ring poles on MC

Greg Reeves - 905-442-6409

① Arena 3 south door.

① Loft appt N. East of top floor -

① Metal Beam Popped out

① Posts Twisted out of fence

905-717-0723 (Kelly Richardson)

Kelly - Tunnell Cloud south of
9 at 6:00 pm just ~~east~~ west of
riding ring driving home

⑧ 1st picture

2nd Point $\rightarrow 4404.6 \times 7921.3$
17615 McCowan Rd
4405.4
79°20.1

100 acre Farm

- metal siding debris
- snapped off trees in woods

Tracked ^{South West} to ^{North East}
Followed Lane way

Iris Henenger

Pic

debarked tree S of Davis
snapped off W of Kennedy
E of riding est.

Kennedy Rd South of 1st Farm on East side of Kennedy

17299 Kennedy

- Came up lane way - Rider u Barn Saw this.

$4404.6 \times 7921.4 \leftarrow$ 1st Point

Kennel down - west of house
Big tree snapped - North of house
4404.7 x 7921.4

Roof Cover Down
4404.7 x 7921.3

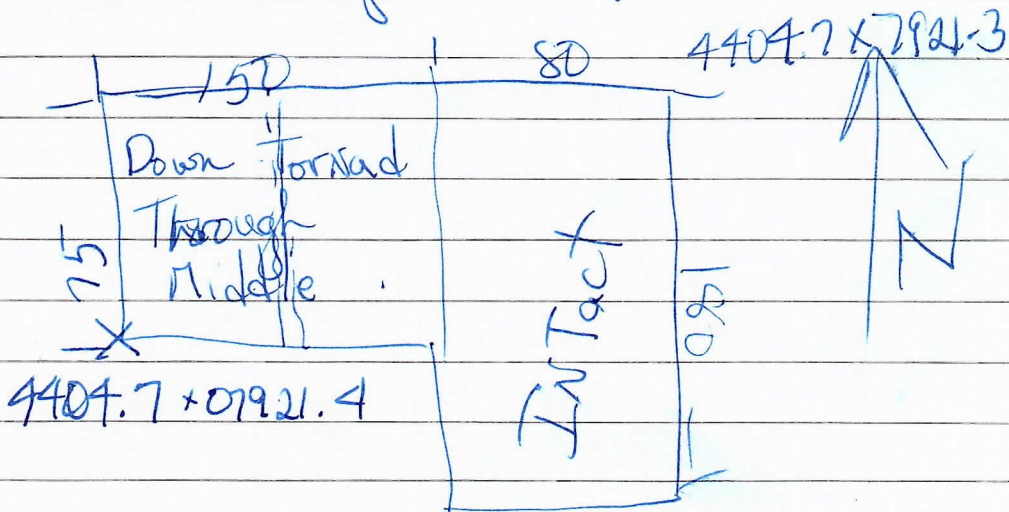
Arena - 150 x 75 - main Arena down
Building - ~~160 x 80~~ 4404.7 x 7921.4

Complete Truss 2x10"

6" Structural Beam

180 x 80 → includes rest of Building

Owner hanging on Chris Tombo's
to Building



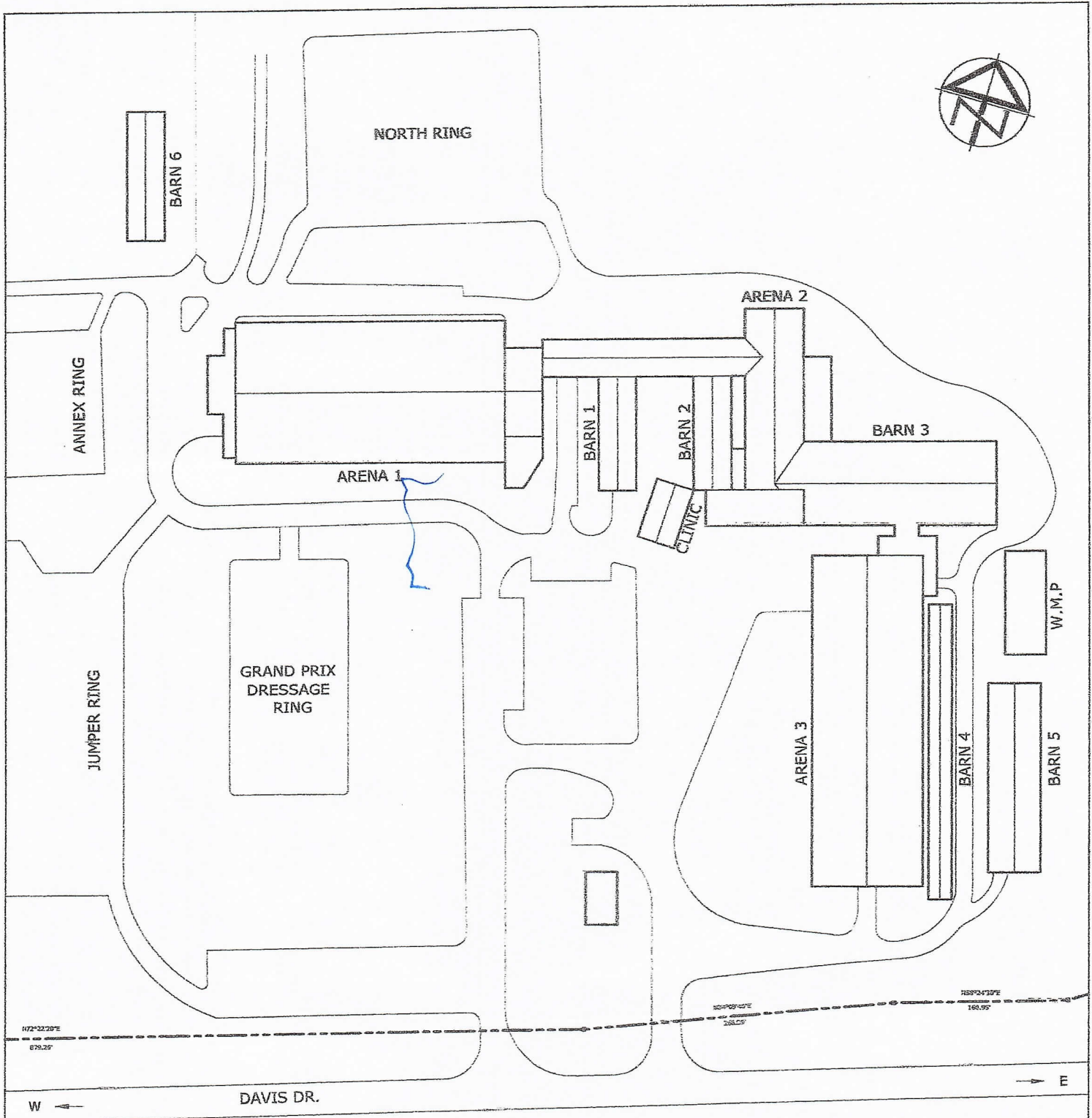
4404.7 x 7921.3 Further
N E along the laneway

Trees down in many directions
around house

Terry-wife

House. 4404.8 x 7921.2

~~17299 Ken~~



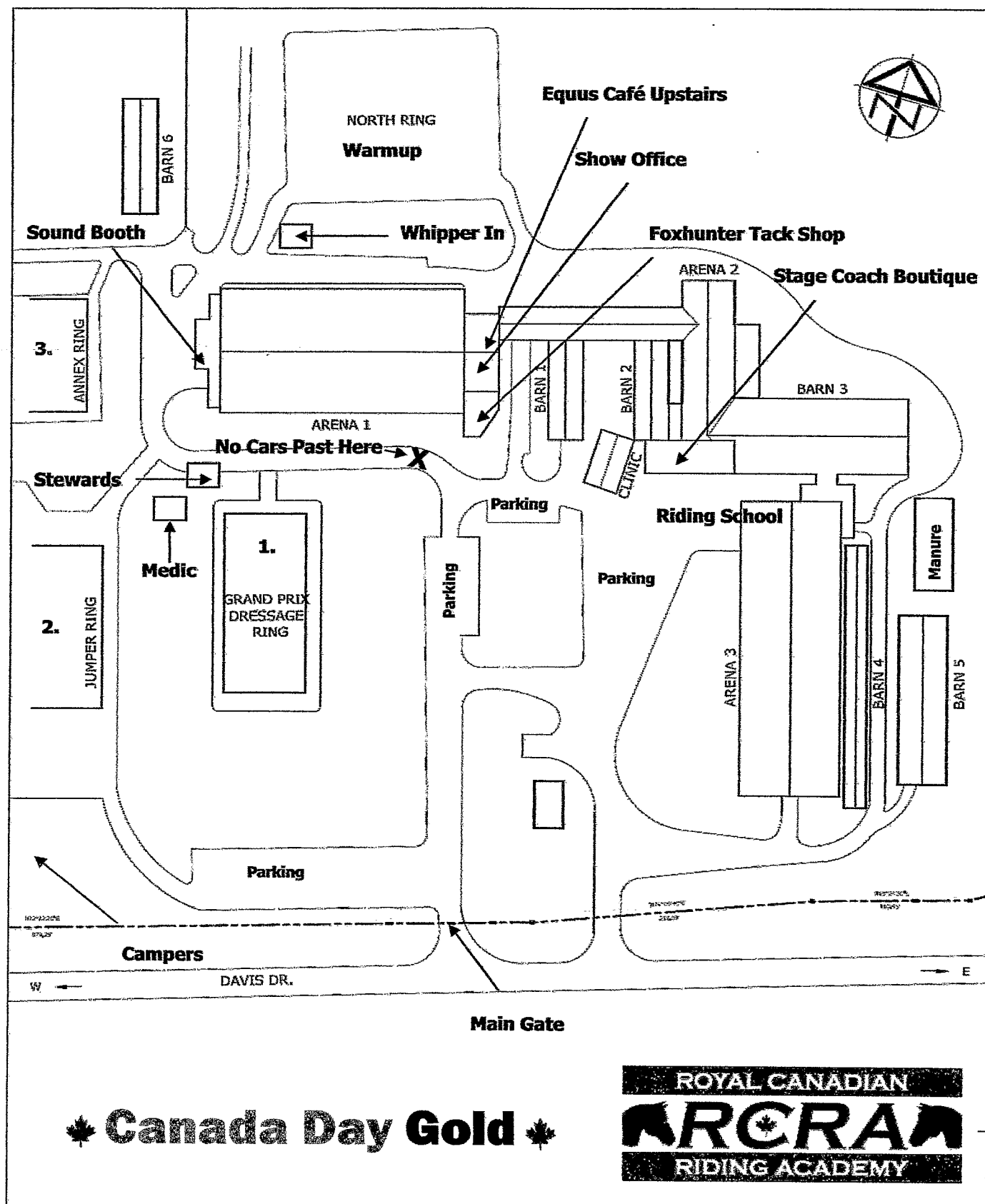
W.M.P. : WASTE MANAGEMENT PLANT

SCALE 1:1250

ROYAL CANADIAN RIDING ACADEMY

4252 DAVIS DR.

RCRA Site Map





ARENA 3

150	103
149	104
148	105
147	106
146	107
145	108
144	109
143	110
142	111
141	112
140	113
139	114
138	115
137	116
136	117
135	118
134	119
133	120
132	121
131	122
130	123
129	124
128	125
127	126

BARN 4

155	154	153	152	151
156	157	158	159	160
AISLE				
165	164	163	162	161
166	167	168	169	170
AISLE				
175	174	173	172	171
176	177	178	179	180
AISLE				
185	184	183	182	181
186	187	188	189	190
AISLE				
195	194	193	192	191
196	197	198	199	200
AISLE				
205	204	203	202	201
206	207	208	209	210

BARN 5

222	221
223	220
224	219
225	218
226	217
227	216
228	215
229	214
230	213
231	212
232	211

BARN 6