



2017 UNITED STATES GRAND PRIX

From The FIA Formula One Race Director
To All Teams, All Officials

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Date 19 October 2017
Time 08:30

Title Event Notes

Description Event Notes

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The FIA Formula One Race Director



2017 UNITED STATES GRAND PRIX

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EVENT NOTES

19 OCTOBER 2017

1) Issues arising from the Japanese Grand Prix

2) Changes to the circuit

- 2.1 The track surface has been ground to remove the bumps in various places between turns 10 and 12 as well as the apex of turn 18.
- 2.2 A new double kerb has been installed on the exit of turn 9.
- 2.3 One additional bump has been installed downstream of the existing bumps on the exit of turns 11 and 20.
- 2.4 Additional TecPro barriers have been installed in parts of the barriers at turns 1, 4, 6, 12 and 19.

3) Pit lane map

- 3.1 Safety Car lines.
- 3.2 The location of the pit entry and the pit exit.
- 3.3 Designated garage areas.
- 3.4 Safety Car position for first lap and rest of race.
- 3.5 Blue flag marshal at the pit exit.
- 3.6 Track light panels displaying pit entry status.

4) Pirelli Event Preview

- 4.1 With reference to Article 24.4(a) of the Sporting Regulations see the attached document provided by the official tyre supplier.

5) Weighing and weighing platform

5.1 The FIA weighing platform will be available for teams to use at the following times, however, no more than 10 team personnel may be present during any visit. Each visit should last no more than 10 minutes unless no other team is waiting in the pit lane :

- a) From 10.30 on Thursday until 15.30 on Saturday.
- b) From when the cars are returned to the teams after qualifying until 20.30 on Saturday.
- c) From 09.00 to 10.00 and then from 12.15 to 13.00 on Sunday.

Any team found to be abusing the time limits set out above, which will be enforced by FIA security personnel and our own CCTV, will not be permitted to use the weighbridge again during the Event.

6) Red zones for photographers in the pit lane during practice sessions

6.1 See the attached drawing.

7) Practice starts

7.1 Practice starts may only be carried out at the pit exit on the asphalt to the left of the fast lane and, for the avoidance of doubt, this includes any time the pit exit is open for the race.

7.2 Reminder about Article 36.1 :

“All drivers going to the pit exit at this time must do so at a constant speed and with constant throttle. This applies over the whole of the pit lane whether a driver is going to the pit exit from his garage or travelling through the pit lane between reconnaissance laps.”

This paragraph prohibits practice starts, bite point checks and burn outs during these times. In order to ensure that this requirement is respected cars leaving the pit lane at this time may only do so directly from their garage, not from their pit stop position.

7.3 For reasons of safety and sporting equity, cars may not stop in the fast lane at any time the pit exit is open without a justifiable reason (a practice start is not considered a justifiable reason).

8) Pit entry and pit exit

8.1 In accordance with Chapter 4 (Section 5) of Appendix L to the ISC drivers must keep to the left of the white line at the pit exit when leaving the pits, no part of any car leaving the pits may cross this line.

8.2 For safety reasons drivers must stay to the left of the bollard at the pit entry.

8.3 The dotted white lines across the pit entry and the pit exit are the track edges.

8.4 There is a small light panel on the driver's left at the start of the pit entry which will be operated if a car is stopped or going slowly around the corner of the pit entry.

9) Support races

9.1 Please be kind enough to align your barriers on the yellow line on the second break in the concrete apron (approximately ten metres from the front of your garages) during all support practice sessions and races.

10) DRS

10.1 DRS will be globally disabled if panels 1, 2, 10, 11, 12, 13, 19 or 20 are displaying yellow.

10.2 Detection will be automatically disabled if the light panels below are displaying yellow :

Zone 1 : Panels 8 or 9.

Zone 2 : Panels 17 or 18.

10.3 If automatic detection is not working, and permission has been given by race control to use manual detection, DRS must not be used in the relevant zone if panels 8, 9, 17 or 18 are displaying yellow.

11) Observing yellow flags during free practice and qualifying

11.1 Double waved : Any driver passing through a double waved yellow marshalling sector must reduce speed significantly and be prepared to change direction or stop. In order for the stewards to be satisfied that any such driver has complied with these requirements it must be clear that he has not attempted to set a meaningful lap time, for practical purposes this means the driver should abandon the lap (this does not necessarily mean he has to pit as the track could well be clear the following lap).

11.2 Single waved : Drivers should reduce their speed and be prepared to change direction. It must be clear that a driver has reduced speed and, in order for this to be clear, a driver would be expected to have braked earlier and/or discernibly reduced speed in the relevant marshalling sector.

Drivers should not overtake any car in a single waved yellow marshalling sector unless it is clear that a car is slowing with a completely obvious problem, e.g. obvious accident damage or a deflated tyre.

12) Light panels

12.1 The FIA light panels have been installed in the positions shown on the circuit map. In accordance with Appendix H to the ISC the light signals have the same meaning as flag signals.

13) Drivers leaving their pit stop position in the pit lane

13.1 For safety reasons, no car should be driven from its pit stop position at any time unless :

- a) It has first been driven into the pit stop position having just entered the pit lane from the track, and ;
- b) It is then driven immediately back onto the track from the pit stop position.

14) Fire extinguishers around the circuit

14.1 Indicated by white boards with an red letter 'F' on the guardrails or debris fences.

15) Places to remove cars from the track

15.1 Indicated by fluorescent orange panels on the walls or guardrails.

16) In laps and reconnaissance laps

16.1 In order to ensure that cars are not driven unnecessarily slowly on in laps during and after the end of qualifying or during reconnaissance laps when the pit exit is opened for the race, drivers must stay below the maximum time set by the FIA between the Safety Car lines shown on the pit lane map.

You will be informed of the maximum time after the first day of practice.

17) Post qualifying parc fermé

17.1 The cameras should be installed and operated in the same way as usual.

18) Operational personnel curfew

18.1 Boards warning anyone attempting to enter the paddock that the curfew is in operation will be placed immediately before the entry turnstiles at the appropriate times.

19) Removing cars from the grid

19.1 Via the gates in the pit wall in front of pole position or beside grid positions 2 and 14.

20) Car number light panels for the start

20.1 On the driver's left.

21) Track light panel displaying pit entry status

21.1 The light panels indicated on the pit lane map will display flashing yellow arrows if cars are required to use the pit lane once the Safety Car has been deployed during the race.

21.2 The light panels indicated on the pit lane map will display flashing red crosses if the pit lane is closed at any point during the race.

22) Lapping during the race

22.1 The ISC requires drivers who are caught by another car about to lap him to allow the faster driver past at the first available opportunity. The F1 Marshalling System has been developed in order to ensure that the point at which a driver is shown blue flags is consistent, rather than trusting the ability of marshals to identify situations that require blue flags.

As it was at the end of last season the system will be set to give a pre-warning when the faster car is within 3.0s of the car about to be lapped, this should be used by the team of the slower car to warn their driver he is soon going to be lapped and that allowing the faster car through should be considered a priority. When the faster car is within 1.2s of the car about to be lapped blue flags will be shown to the slower car (in addition to blue light panels, blue cockpit lights and a message on the timing monitors) and the driver must allow the following driver to overtake at the first available opportunity.

It should be noted that the aim of using F1MS is ensure consistent application of the rules, additional instructions may also be given by race control when necessary.

23) Post race parc fermé

23.1 All cars should complete a full slowing down lap and enter the pits normally. All cars, except the first three, will then be stopped in the weighing area.

The first three cars should proceed half way down the pit lane, without stopping, to the area under the podium.

24) Any other business



Charlie Whiting
FIA Formula One Race Director



USA GP 20-22/10/2017 (17R17TEX)

Compound	FL	FR	RL	RR
SOFT	60S	62S	70S	72S
SUPERSOFT	60X	62X	70X	72X
ULTRASOFT	60U	62U	70U	72U
INTERMEDIATE	37I	38I	39I	40I
WET (base)	37R	38R	39R	40R

Mandatory race tyres
SOFT
SUPERSOFT

Q3 tyre
ULTRASOFT

Cross-Over time WET > 119% > INT > 113% > DRY

MINIMUM STARTING PRESSURE, BLISTERING SENSITIVITY, CAMBER LIMIT

	Front (psi)	Rear (psi)
Slicks	22.0	19.0
Intermediate	20.0	18.0
Wet	19.0	17.0

FE EOS Camber limit
-3.50 °

RE EOS Camber limit
-2.00 °

FE Blistering sensitivity
Low



RE Blistering sensitivity
Low

TYRE HEATING STRATEGY

Storage temperature: 60°C Optimum time in blanket (@80°): 2h	Storage temperature: 40°C Optimum time in blanket (@60°): 1h
SLICKS	INTER
Maximum boost temperature: 1h @ 110°C Blanket time window (@80°): 1h to 3h	Maximum boost temperature: 30min @ 80°C Blanket time window (@60°): 30 min to 2h

Storage temperature: 40°C Optimum time in blanket (@60°): 1h
WET
NO BOOST Blanket time window (@60°): 30 min to 2h

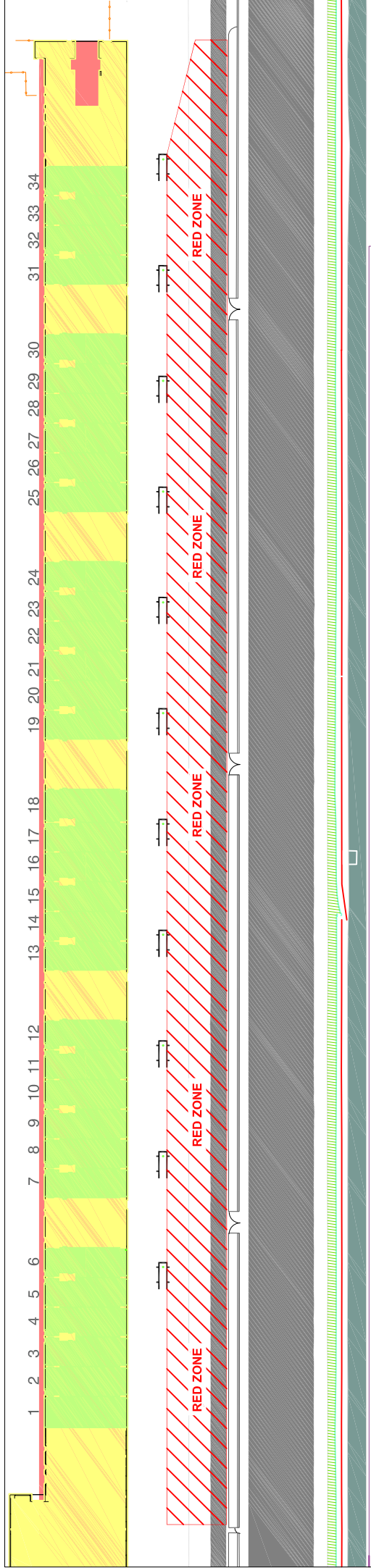
GENERAL NOTES

Teams are kindly reminded that the following parameters will be subjected to FIA checks during the event:

- Starting pressure.
- Camber at maximum speed.
- Maximum blanket temperature.
- Tyre swapping.

Tyre Notes

- Not permitted to switch tyres from their originally allocated position.
 - Do not subject tyres to large deformation or heavy impact.
 - Do not leave fitted tyres exposed at an air temperature lower than 15°C and/or any UV emission.
 - Revised prescriptions could be issued during the race weekend in accordance with TD/007-16.
- Storage Temp°C is the recommended temperature the tyre can stay in blankets without time limit. All temperature limits apply to the actual tyre surface temperature, measured with the IR gun detailed in TD029-15.
- SIDEWALLS HEATING CLARIFICATION (ALL PRODUCTS): you are allowed to apply a max. temperature of 100 °C for max. 1 hr to the sidewalls as long as the max. temp/time at any part of the tread is the one described in the corresponding section above.





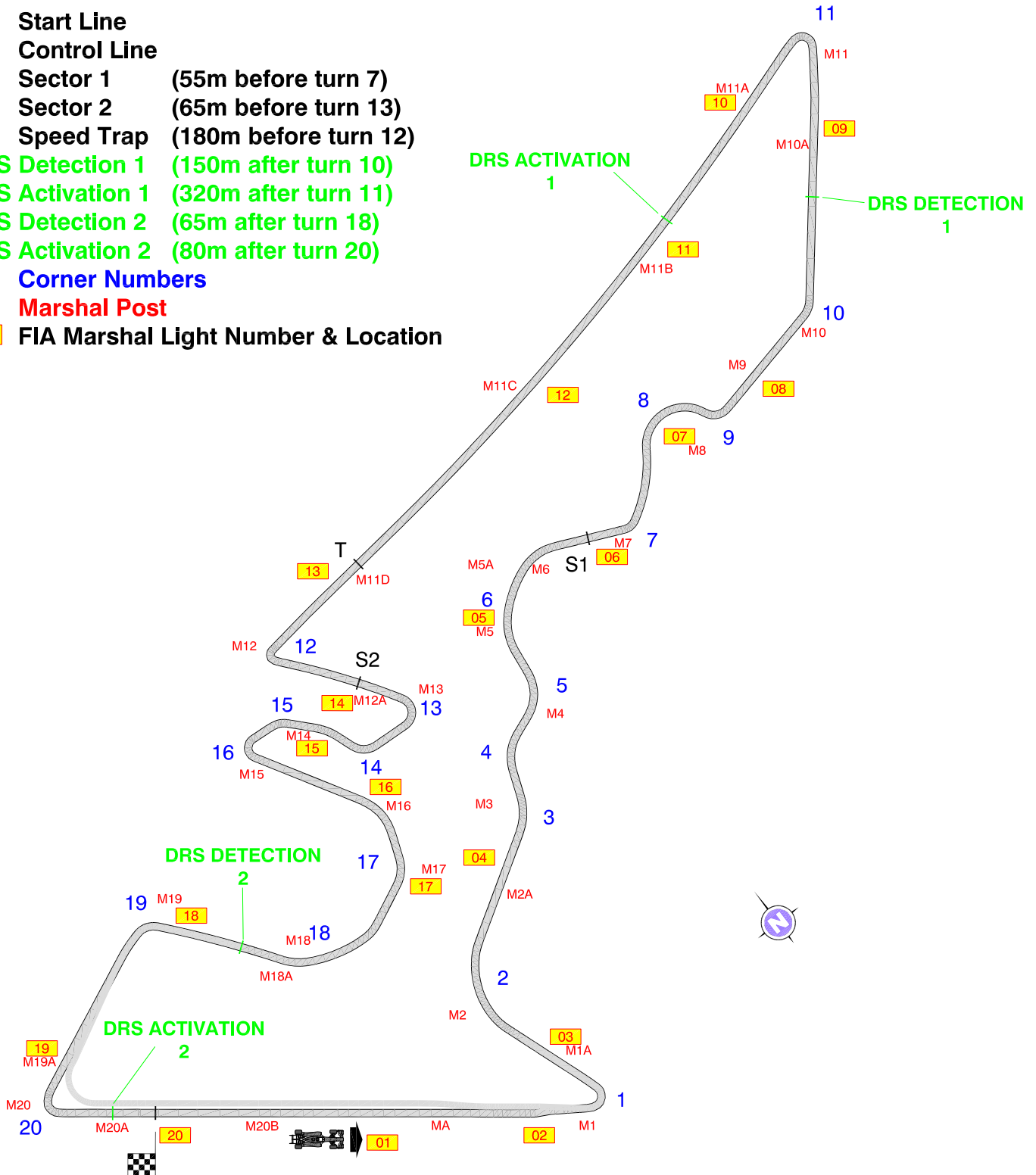
**PHOTOGRAPHERS EXCLUSION
RED ZONE**

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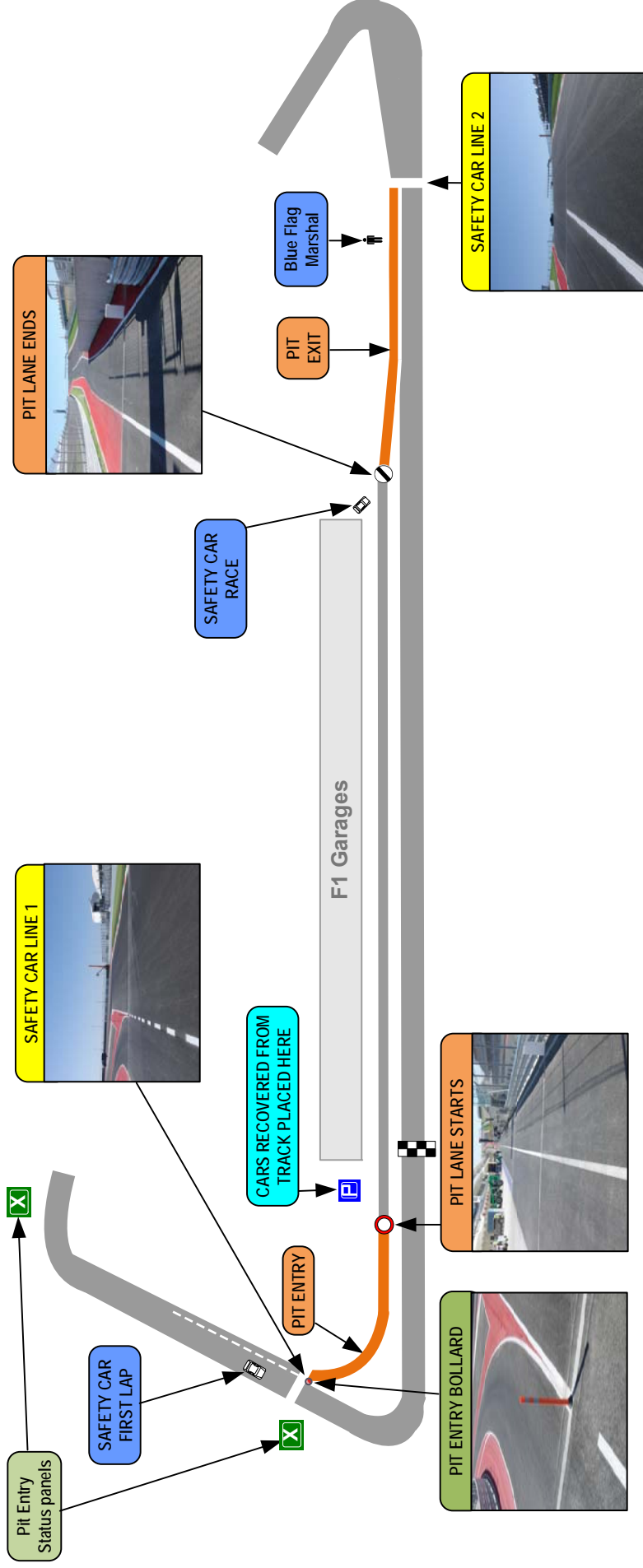
Circuit Map

-  **Start Line**
-  **Control Line**
- S1 Sector 1 (55m before turn 7)**
- S2 Sector 2 (65m before turn 13)**
- T Speed Trap (180m before turn 12)**
- DRS Detection 1 (150m after turn 10)**
- DRS Activation 1 (320m after turn 11)**
- DRS Detection 2 (65m after turn 18)**
- DRS Activation 2 (80m after turn 20)**
- 15 Corner Numbers**
- M22 Marshal Post**
- 22 FIA Marshal Light Number & Location**



Circuit Centreline Length = 5.513 km

2017 FORMULA 1 UNITED STATES GRAND PRIX - Austin



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	
Designated Garage Areas	FIA	FIA	FOM	Mercedes	Mercedes	Mercedes	Mercedes	Red Bull	Red Bull	Red Bull	Ferrari	Ferrari	Force India	Force India	Force India	Williams	Williams	Williams	McLaren	McLaren	McLaren	Toro Rosso	Toro Rosso	Toro Rosso	Haas	Haas	Haas	Renault	Renault	Renault/Sauber	Sauber	Sauber	F1 Experience	F1 Experience	
				Mercedes	Mercedes	Mercedes	Red Bull	Red Bull	Red Bull	Ferrari	Ferrari	Force India	Force India	Force India	Williams	Williams	Williams	McLaren	McLaren	McLaren	Toro Rosso	Toro Rosso	Toro Rosso	Haas	Haas	Haas	Renault	Renault	Renault/Sauber	Sauber	Sauber	F1 Experience	F1 Experience		