

Carlson Cinch for Swiftwater Rescue

I've used Slim Ray drawings of Carlson --- Swiftwater Rescue and SWR Field Guide --- which uses carbiners on each line rather than a common carbiner for one of the control lines where the cinch line clips to itself.

The thing I did different was to make the first pass of cinch line downstream of victim....seems to make sense to start with stabilization line method which makes the second pass on up stream side of victim easier to manage.

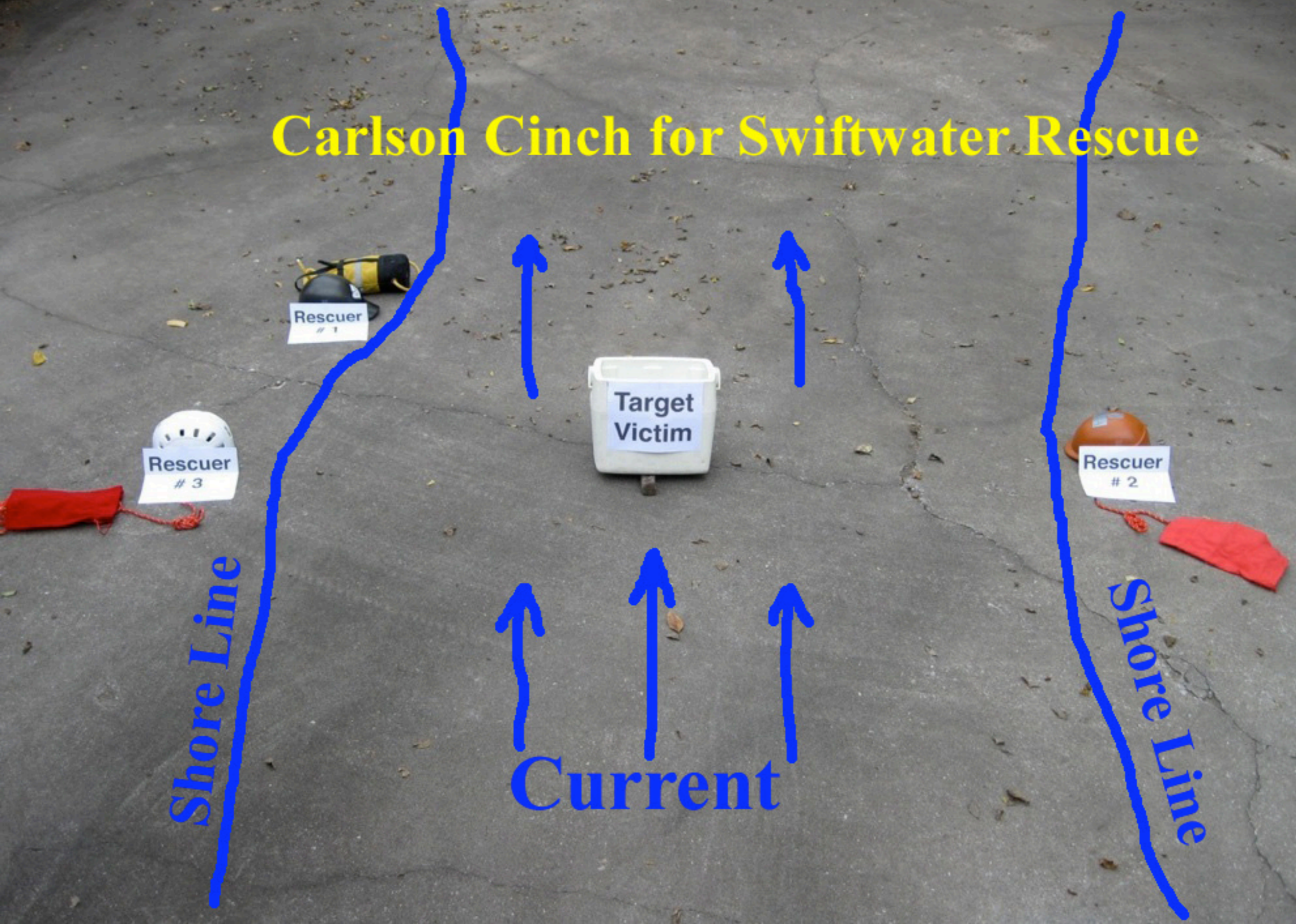
As a consequence of starting the cinch line on downstream side, the cinch itself may not be as effective because it, at least the cinching clip, is on up stream side of victim. I doubt that this matters in actual application --- but for teaching it may be that stressing just these two concepts will be more effective:

- 1. Get a loop around the victim**
- 2. Add some control lines to the cinching loop before closing.**

I'll try locking this PDF version to retain sequence of these 22 photos, let me know if you have any trouble or see errors or way to improve.

Arthur Bowie 31 Oct 2010

Carlson Cinch for Swiftwater Rescue



Rescuer 1 gets rope across river downstream of target



**R 1&2 move rope upstream
for better angle and better stabilization**



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Rescuer 2, holds bite in rope and returns bag end across river to R1

Target
Victim

Rescuer
1

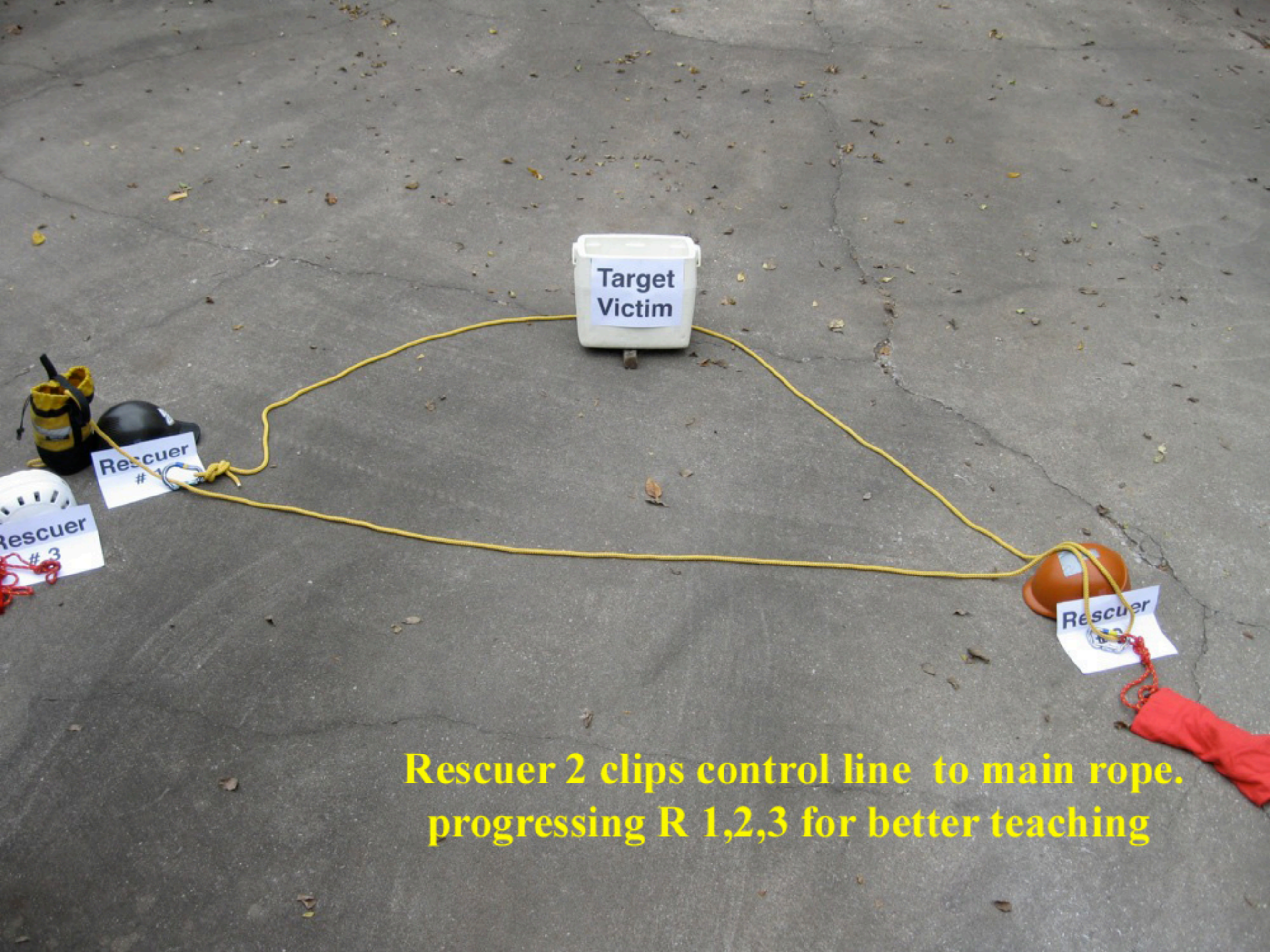
Rescuer
3

Rescuer
2

Rescuer 1 clips end of rope into standing part near bag, forming a loop



Detail of Rescuer 1 clipping to end of rope to form loop



Target
Victim

Rescuer
#1

Rescuer
#3

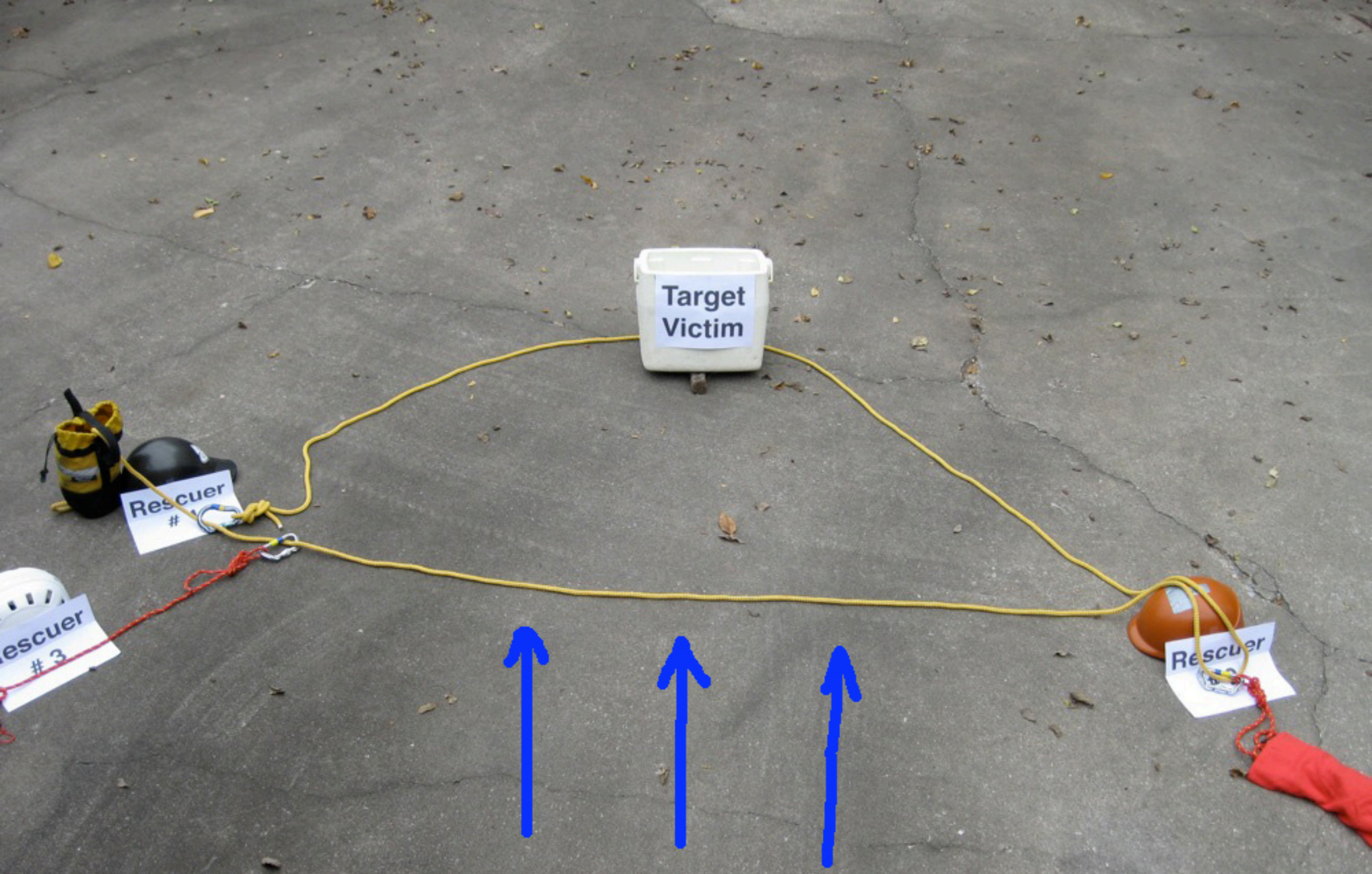
Rescuer
#2

**Rescuer 2 clips control line to main rope.
progressing R 1,2,3 for better teaching**

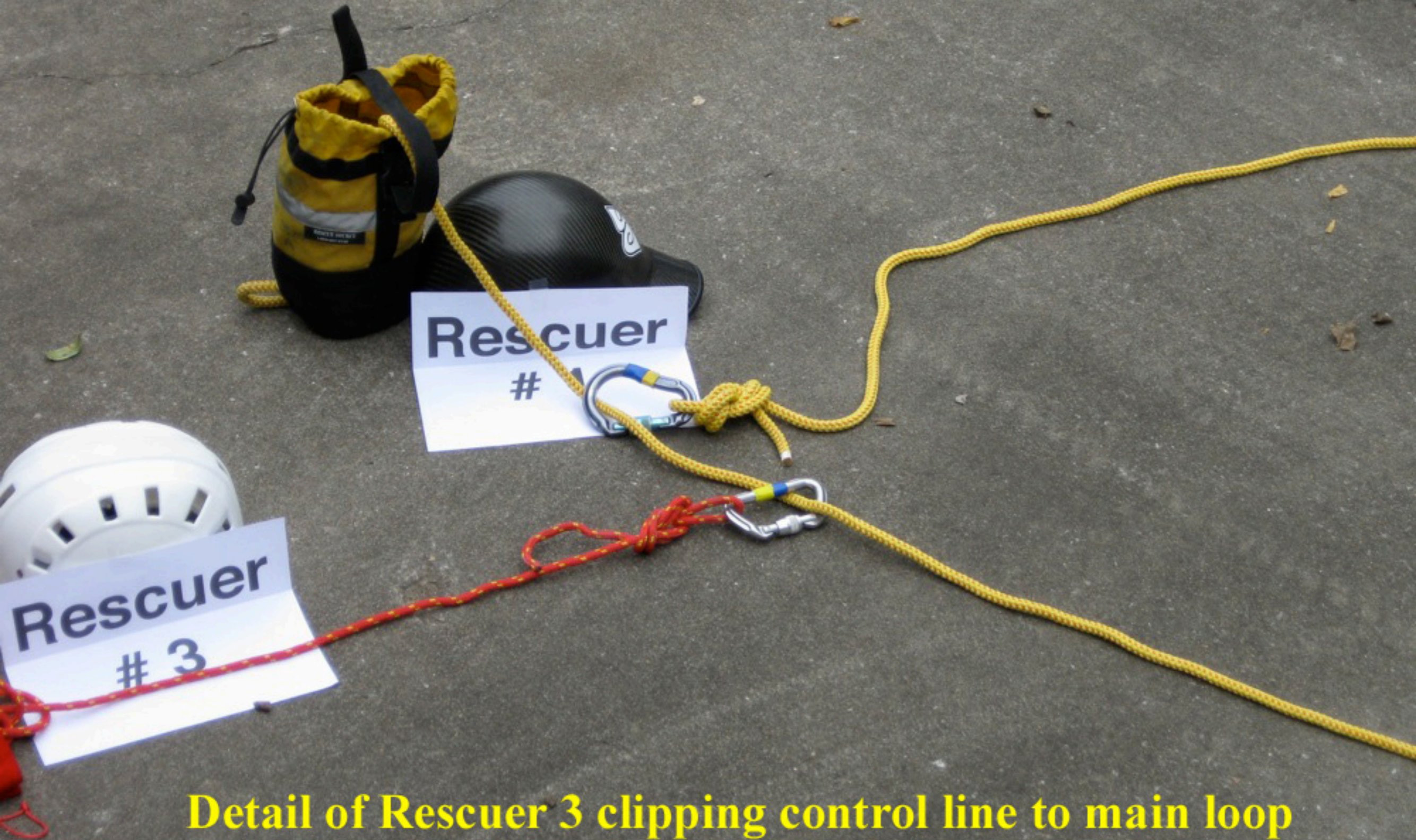


**Detail of Rescuer 2 clips control line
to main rope**

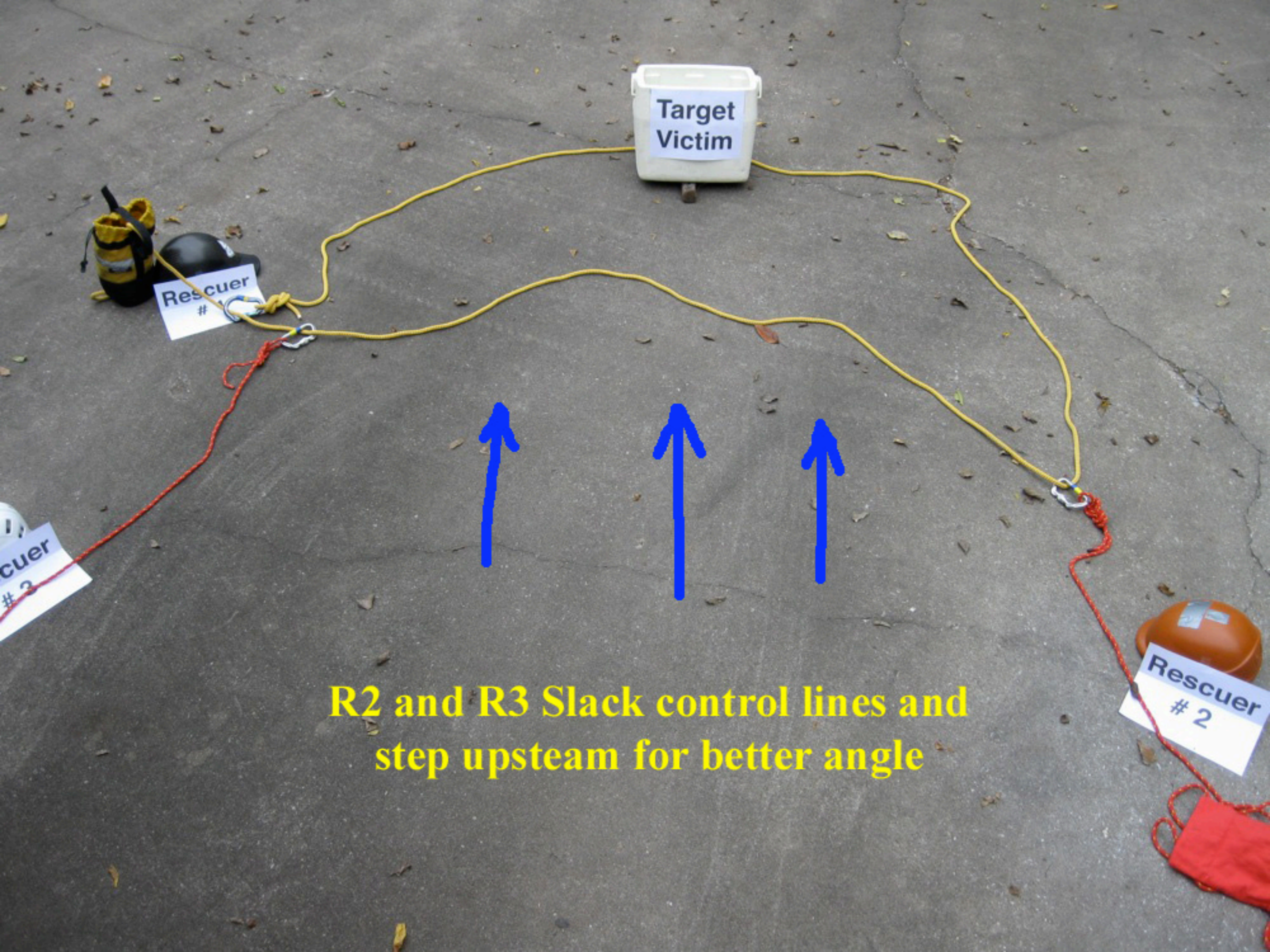




**Rescuer 3 clips control line to main rope
--upstream part of loop**



Detail of Rescuer 3 clipping control line to main loop



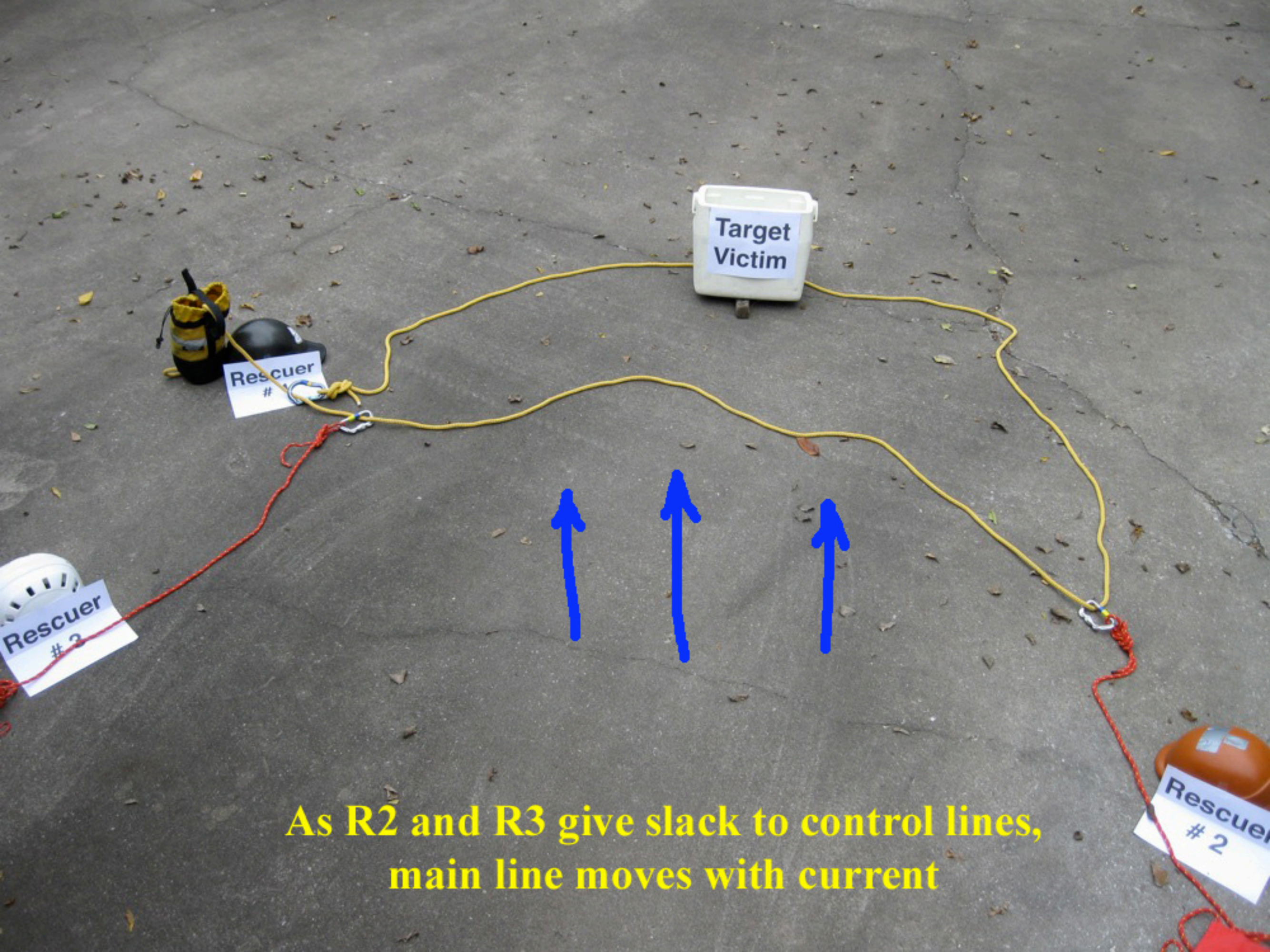
Target
Victim

Rescuer
#1

Rescuer
#2

Rescuer
#2

**R2 and R3 Slack control lines and
step upstream for better angle**



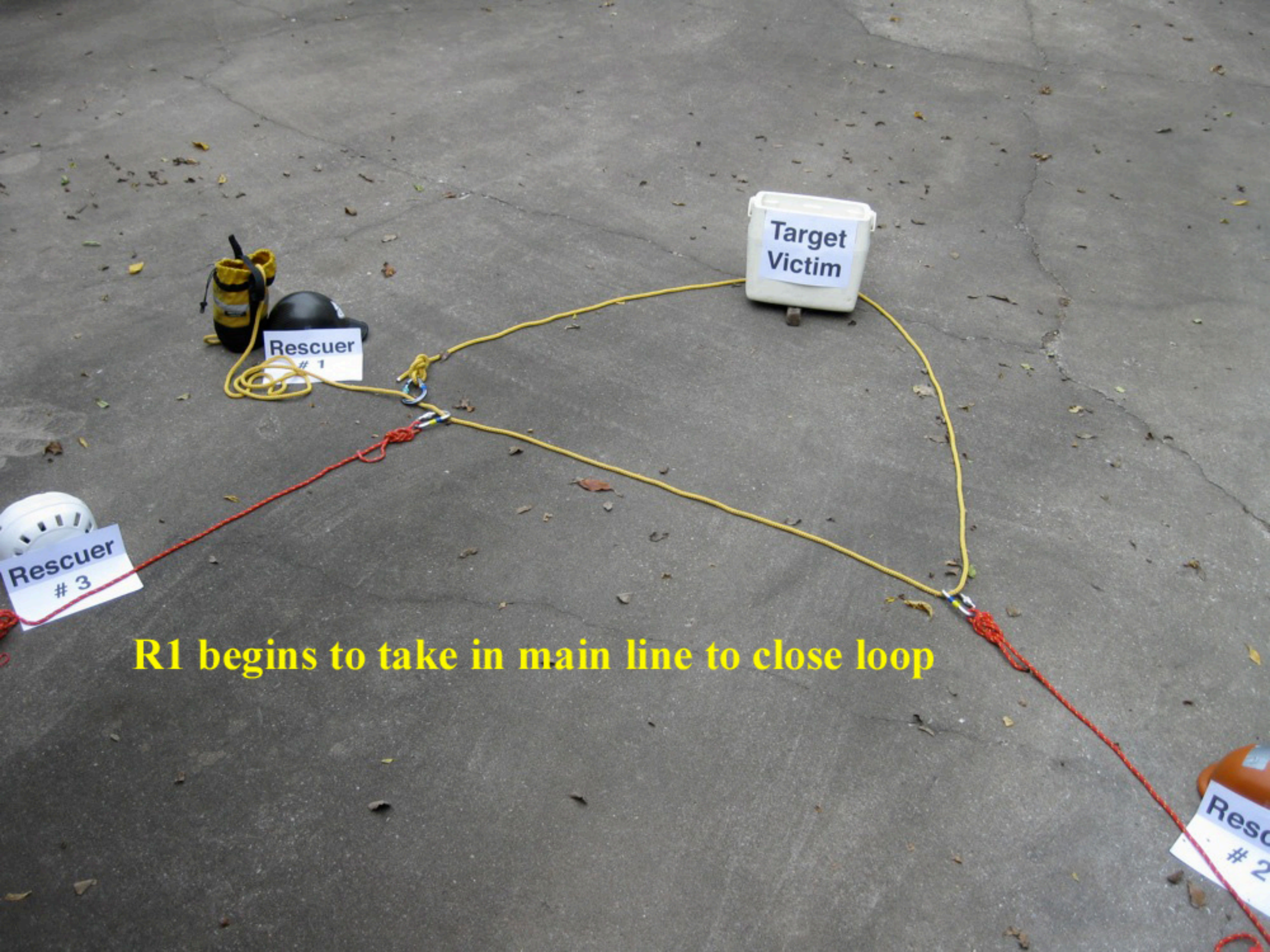
Target
Victim

Rescuer
1

Rescuer
2

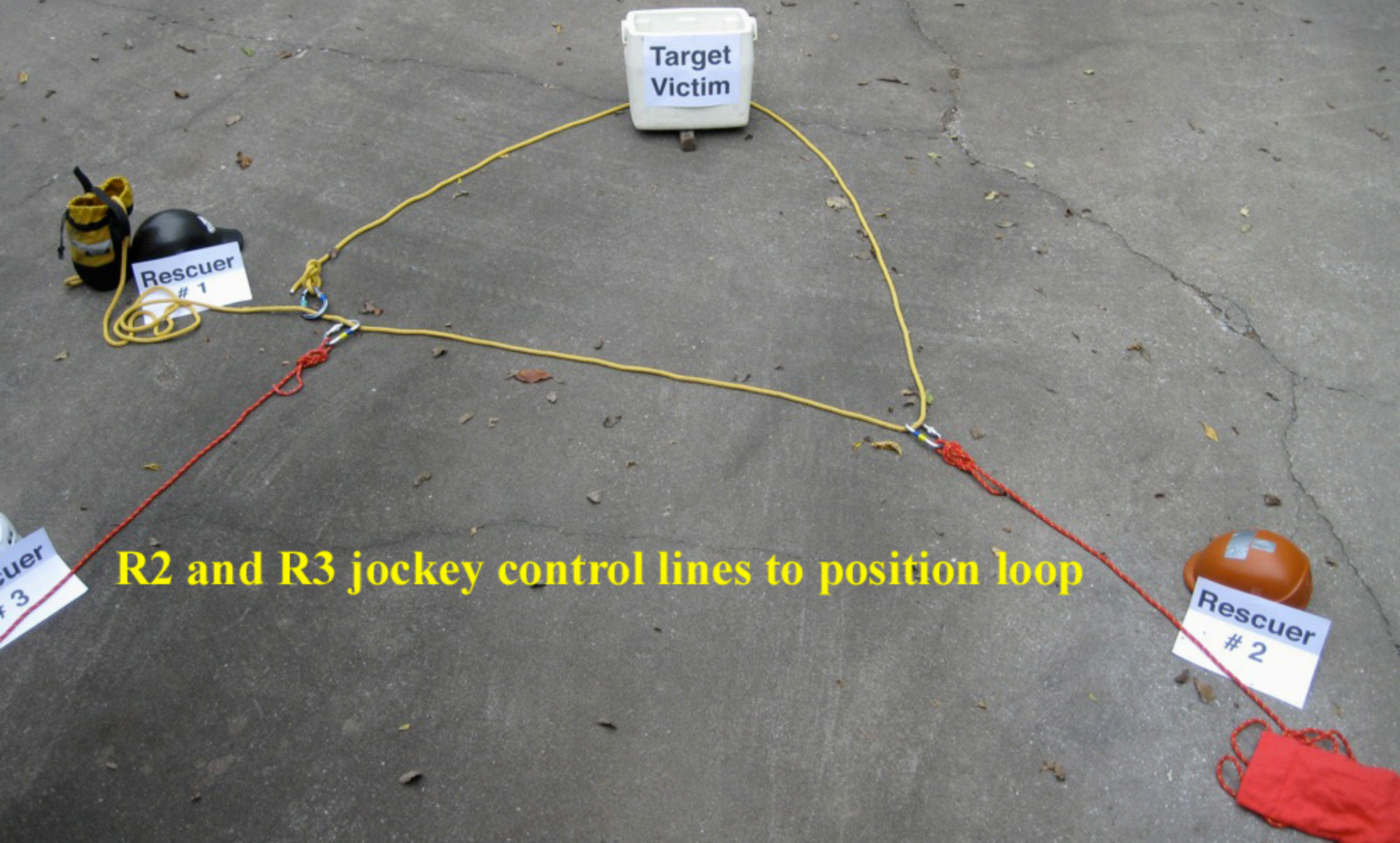
Rescuer
3

As R2 and R3 give slack to control lines,
main line moves with current



R1 begins to take in main line to close loop

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R2 and R3 jockey control lines to position loop

Target
Victim

Rescuer
1

Rescuer
3

Rescuer
2

R1 continues to close loop,
R2 and R3 control position

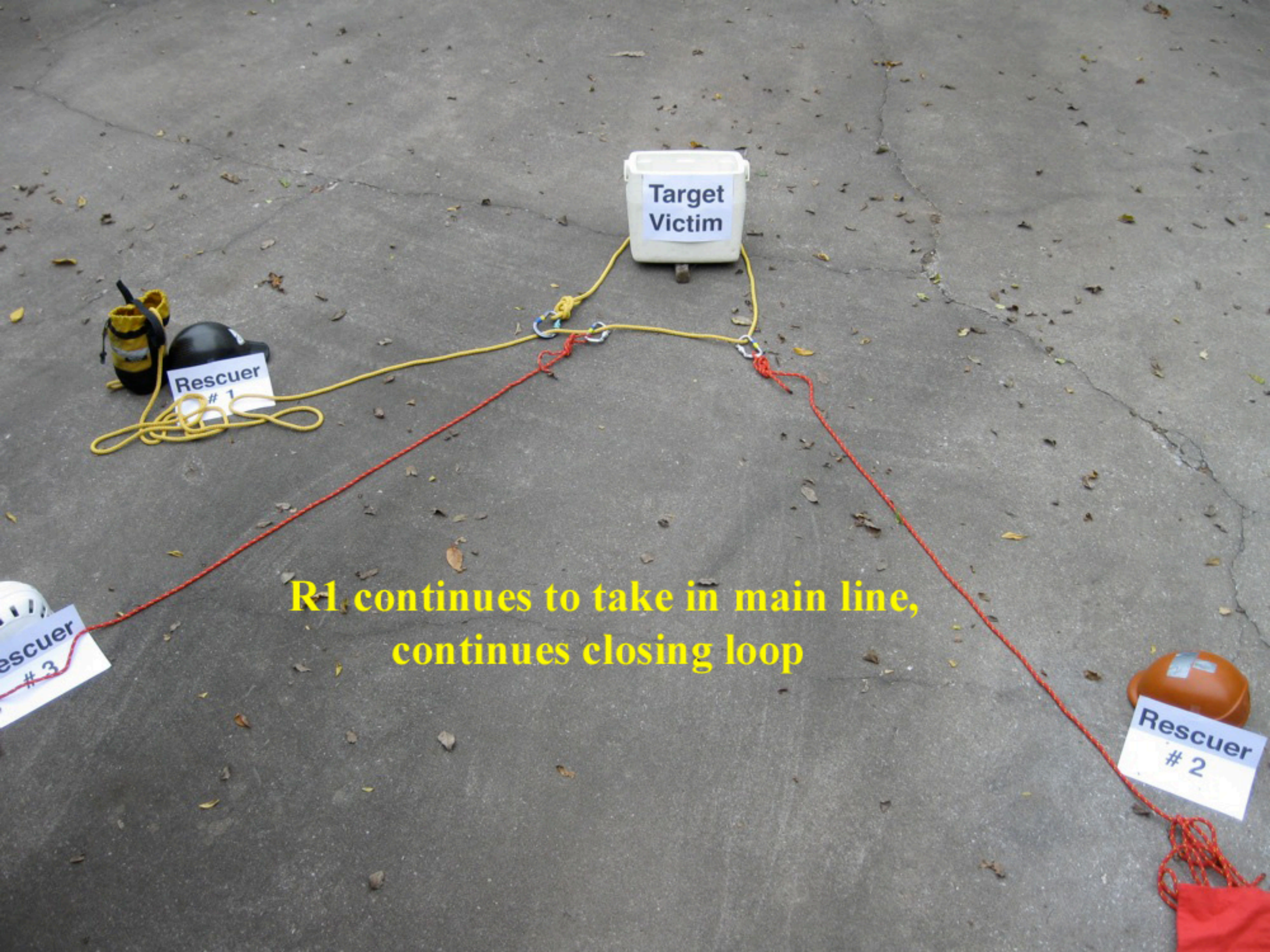
Target
Victim

Rescuer
1

Rescuer
3

Rescuer
2

R1 continues to take in main line,
continues closing loop



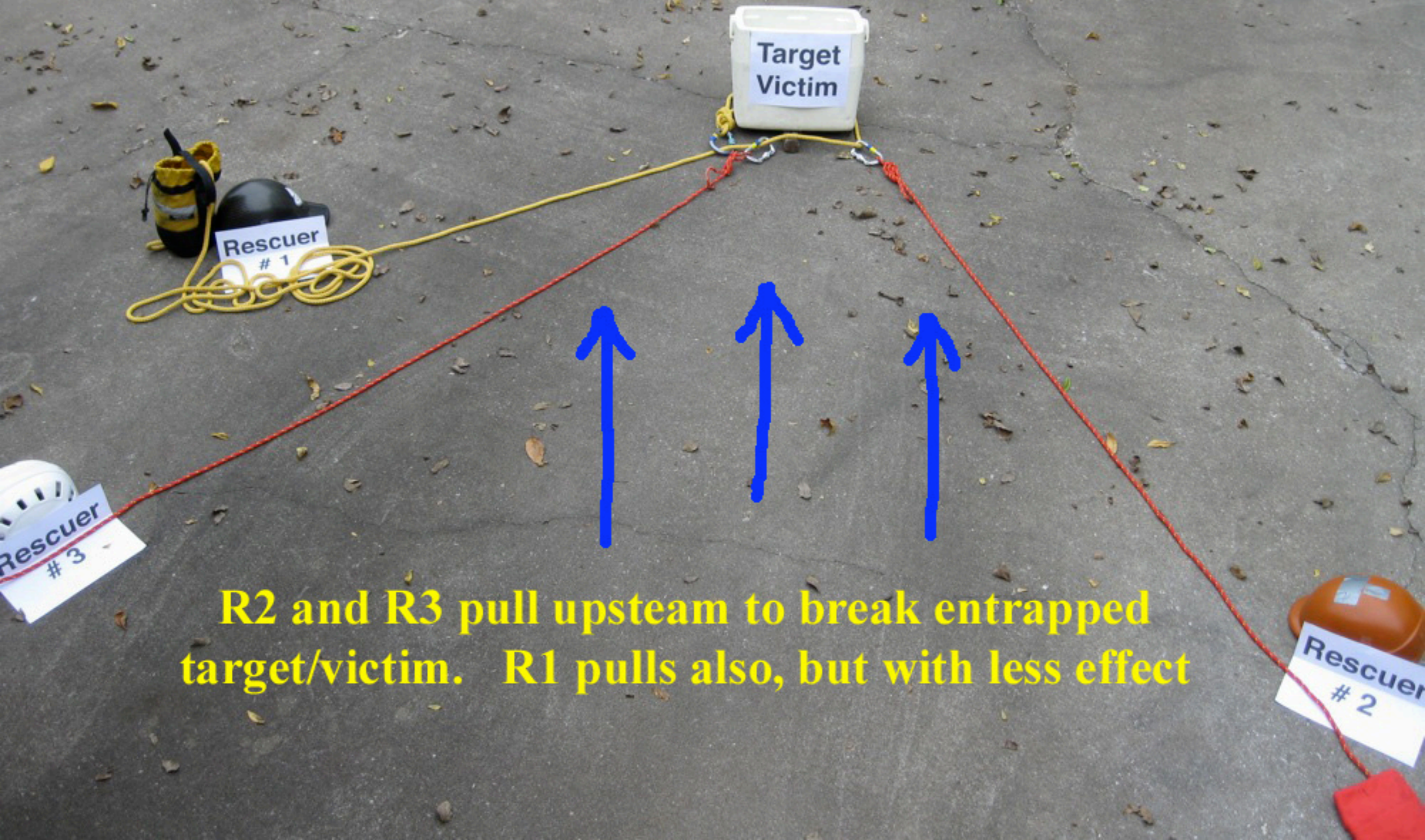
**Target
Victim**

Detail as loop is about to close



R1 has taken in quite a bit of main line

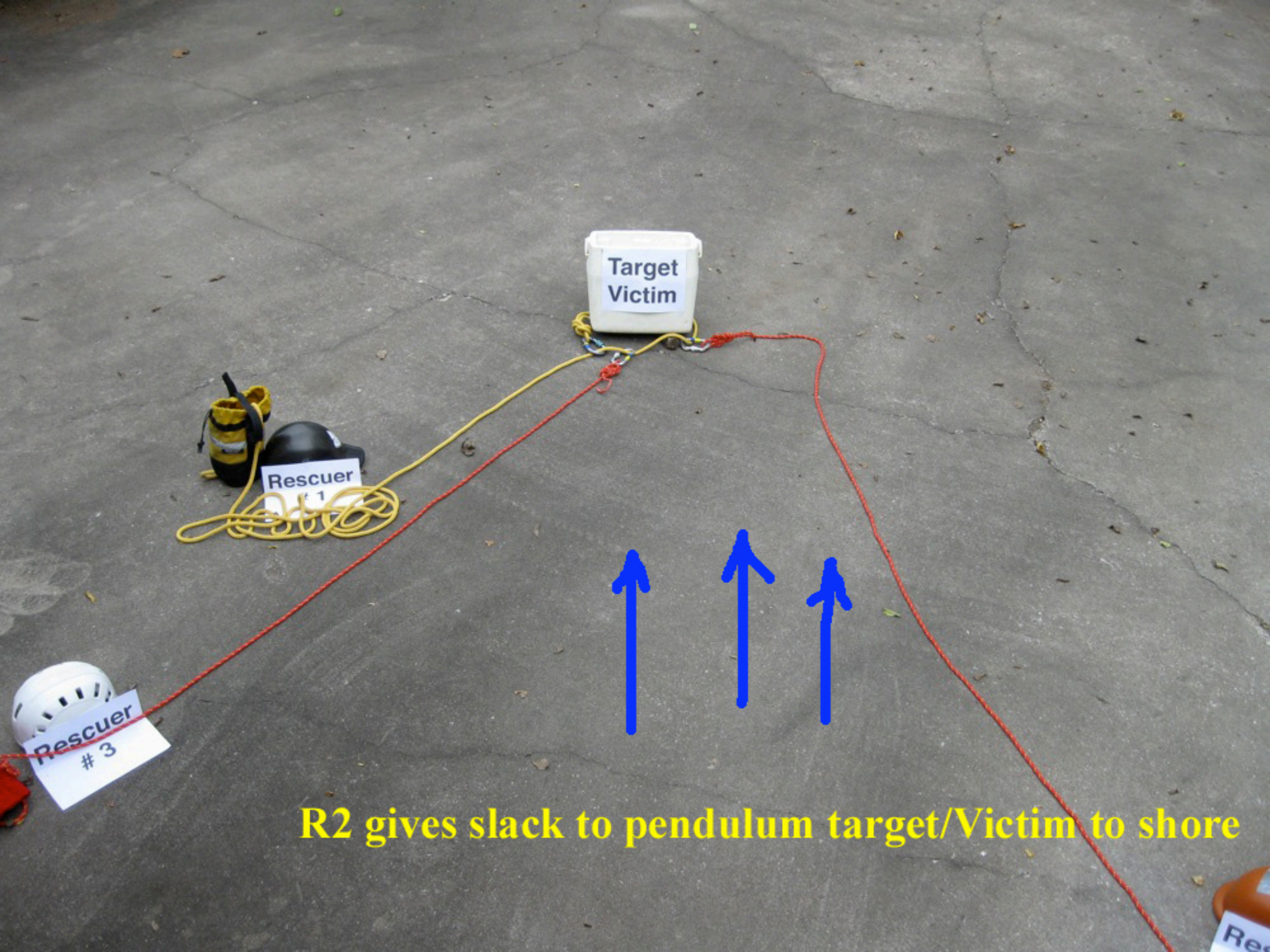
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R2 and R3 pull upsteam to break entrapped target/victim. R1 pulls also, but with less effect



R3 helps control size and position of loop

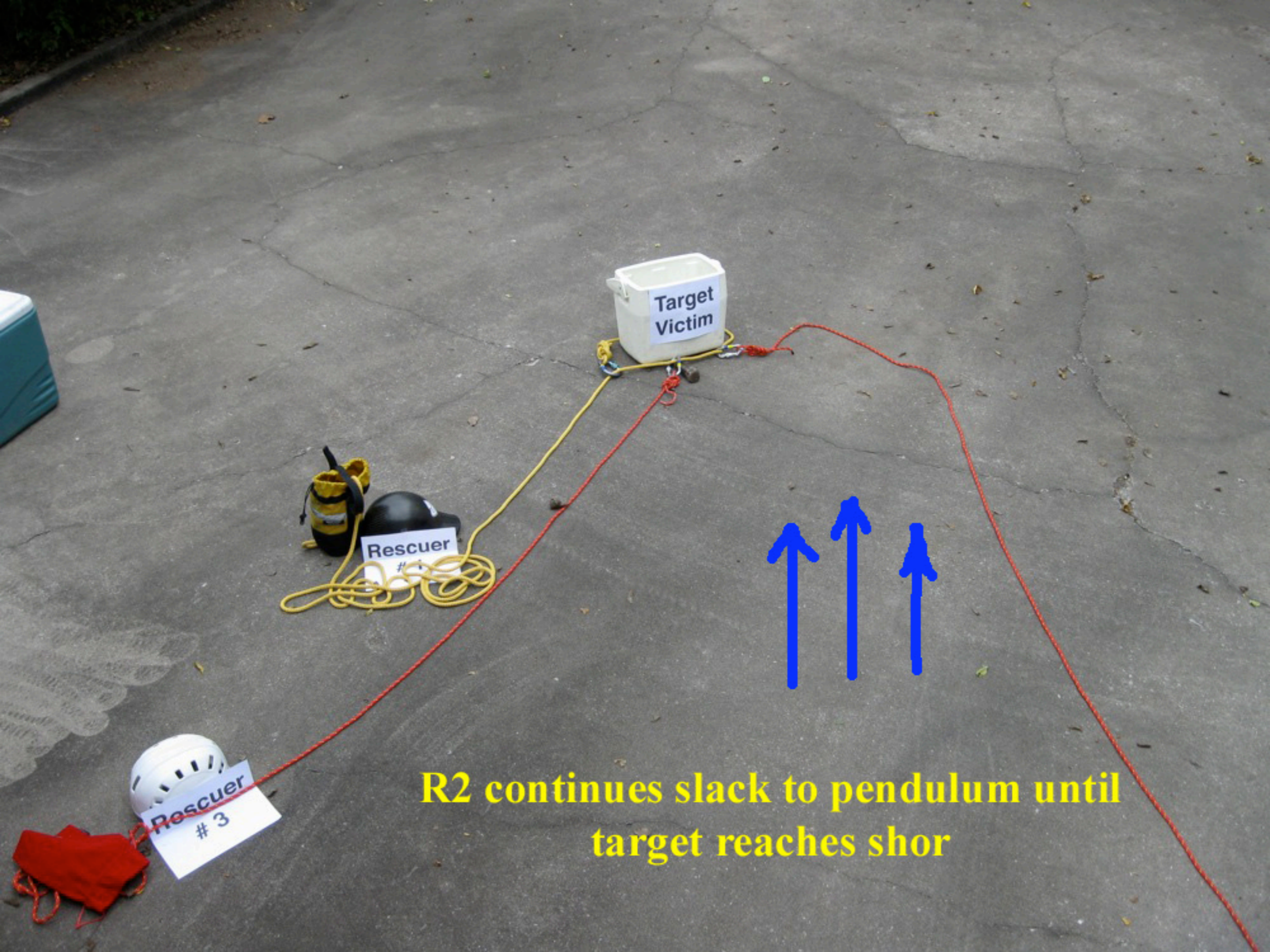


Target
Victim

Rescuer
1

Rescuer
3

R2 gives slack to pendulum target/Victim to shore



Target
Victim

Rescuer
1

Rescuer
3

R2 continues slack to pendulum until
target reaches shore