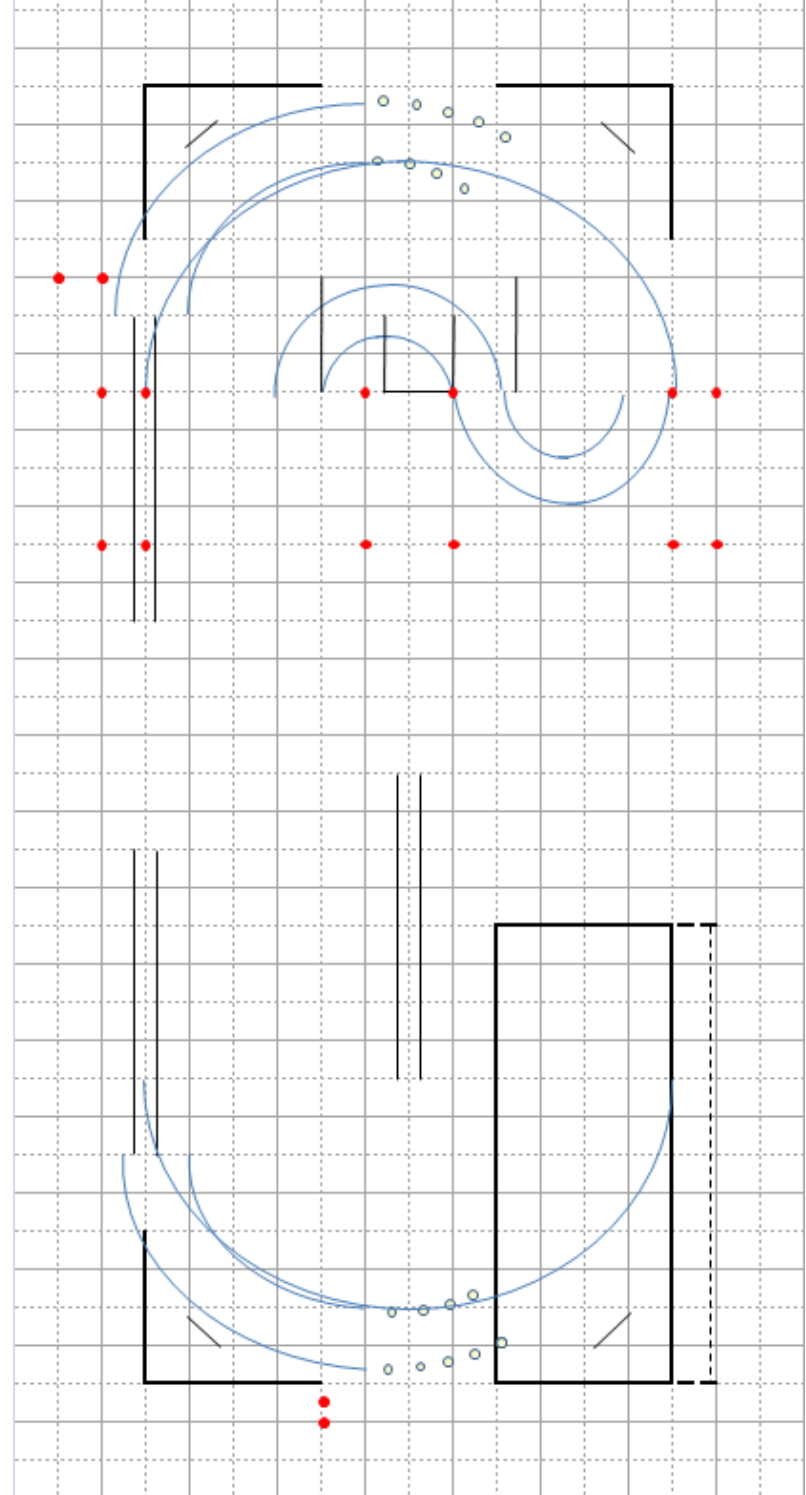


BASIC RIDERCOURSE

RANGE CARDS

60' x 170'
Alternate Layout
6-Student RERP



Exercise		Time
01	Motorcycle Familiarization	30 min
02	Using the Friction Zone	25 min
	(BREAK)	
03	Starting & Stopping Drill	25 min
04	Shifting & Stopping	30 min
	(BREAK)	
05	Adjusting Speed & Turning	30 min
06	Controls-Skills Practice	20 min
	(BREAK)	
07	Cornering	30 min
08	Matching Gears to Speed	15 min
09	Stopping Quickly	30 min
	(END OF DAY)	
10	Limited-Space Maneuvers	25 min
11	Pressing to Initiate Lean	25 min
	(BREAK)	
12	Cornering Judgment	30 min
13	Negotiating Curves	30 min
	(BREAK)	
14	Stopping Quickly in a Curve	20 min
15	Obstacles & Lane Changes	20 min
16	Avoiding Hazards	30 min
	(BREAK)	
17	Skills Practice	20 min

Evaluations

- 1-2 U-turn / Swerve
- 3 Quick Stop
- 4 Swerve

Range Equipment

- Cones
- Clipboard
- Fire Extinguisher
- First Aid Kit
- Stopwatch
- Whistle
- Fuel/Oil
- Air Tank/Pump
- Obstacles (four 2"x 4"s)
- Trash Bags
- Extra Protective Gear
- Tools

Range Materials

- Range Cards
- Skill Test Score Sheet
- Incident Report Form
- Emergency Numbers
- Pens/Pencils

Pre-Ride Information

- Check Protective Gear
- T-CLOCS of training motorcycles (including student owned)
- Check Surface Conditions

Disclaimer: These Basic RiderCourseSM Range Cards are to be used only by MSF-certified RiderCoaches.

RANGE RULES:

- Do not practice without RiderCoach permission.
- Always wear proper protective gear when seated on the motorcycle.
- Know the location of the engine cut-off switch and how to use it.
- Keep the clutch "covered" during early skill development (first riding day).
- Keep a wrist flat position on the throttle.
- Always keep a margin of safety, and check all around before moving out.
- Do not pass other riders unless directed to do so.
- If you have a problem, move out of the path of travel. A RiderCoach will assist you.
- Stop smoothly in position if you see or hear a group stop signal.
- If you do not understand an exercise, or become too uncomfortable to ride safely, notify a RiderCoach.

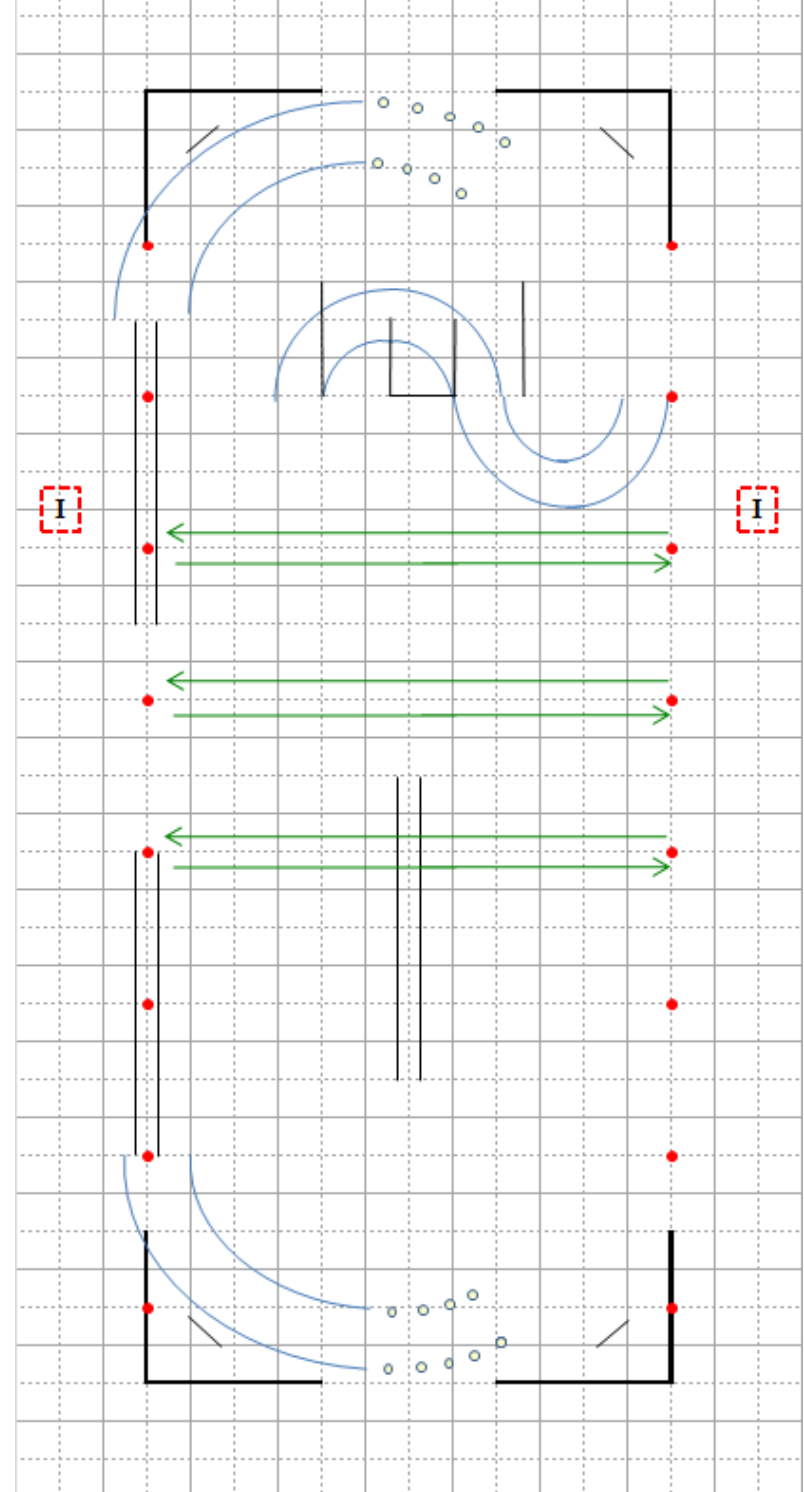
30 minutes - No Demo, Static Practice

- 01 Assign a motorcycle to each rider
 - Help each rider with protective gear
 - Ensure size/fit of protective gear and motorcycle
- 02 Read objectives
 - To identify location and operation of important controls and parts
 - Use controls smoothly
 - Use side stand fully
 - Squeeze front brake when mounting/dismounting
 - Use good posture
 - Use FINE-C and proper shutdown procedures
- 03 Provide instructions as riders perform
 - Walk around motorcycle identifying controls
 - Check fuel valve positions
 - With protective gear on, mount motorcycle
 - Raise stand and assume good posture
 - Lean motorcycle left/right to feel its weight
- 04 Identify and manipulate the following
 - Handlebars
 - Full left, full right, center
 - Press and lean right, center
 - Press and lean left, center
 - Throttle
 - Check operation
 - Roll-on full, roll-off
 - Roll-on half, roll-off
 - With wrist flat, roll-on quarter turn, roll-off
 - Front brake lever
 - Squeeze and release
 - Practice roll-off/brake squeeze
 - Engine cut-off switch
 - Electric start button
 - Clutch lever
 - Note: Squeezing the clutch lever removes engine power from rear wheel; squeeze the lever promptly if control is lost
 - Choke
 - Fuel supply valve
 - Shift lever
 - Rear brake pedal
 - Ignition switch, turn ON
 - Turn signals
 - Lights high/low beam
 - Horn
 - Ignition switch, turn OFF
 - Side stand fully down
- 05 Dismount, then remount
- 06 With engine off: Practice finding neutral (show neutral signal)
 - Roll motorcycle in neutral
 - Squeeze clutch, shift to 1st gear, slowly ease out clutch
Roll motorcycle (shouldn't roll)
 - Squeeze clutch, shift to neutral, slowly ease out clutch
Roll motorcycle (should roll)
 - Squeeze clutch, shift to 2nd gear, slowly ease out clutch
Roll motorcycle (shouldn't roll)
 - Squeeze clutch, shift to neutral, slowly ease out clutch
Roll motorcycle (should roll)
 - Repeat as needed
 - Side stand fully down
- 07 Dismount, then remount
- 08 Review engine start/stop procedures
 - Show start/stop signals
- 09 Have riders start/stop engine on signal
 - Use FINE-C to prepare to start engine
 - Fuel valve
 - Ignition
 - Neutral
 - Engine Cut-off
 - Choke/Clutch
 - Start engine and allow it to warm
 - Adjust choke as necessary
 - Practice throttle roll-on/roll-off
 - Stop engine (Thumb/Key/Valve)
 - Side stand fully down
- 10 Dismount
- 11 Debrief
 - Reinforce value of squeezing clutch lever and using the brakes to maintain control
- 12 Prepare for next exercise
 - Have riders mount and straddle walk to start position for next exercise
 - Practice front brake operation (multiple opportunities)
 - Practice backing up while looking over shoulder

EXERCISE #12 USING THE FRICTION ZONE

25 minutes - Demo, Simulated Practice, 3 Parts

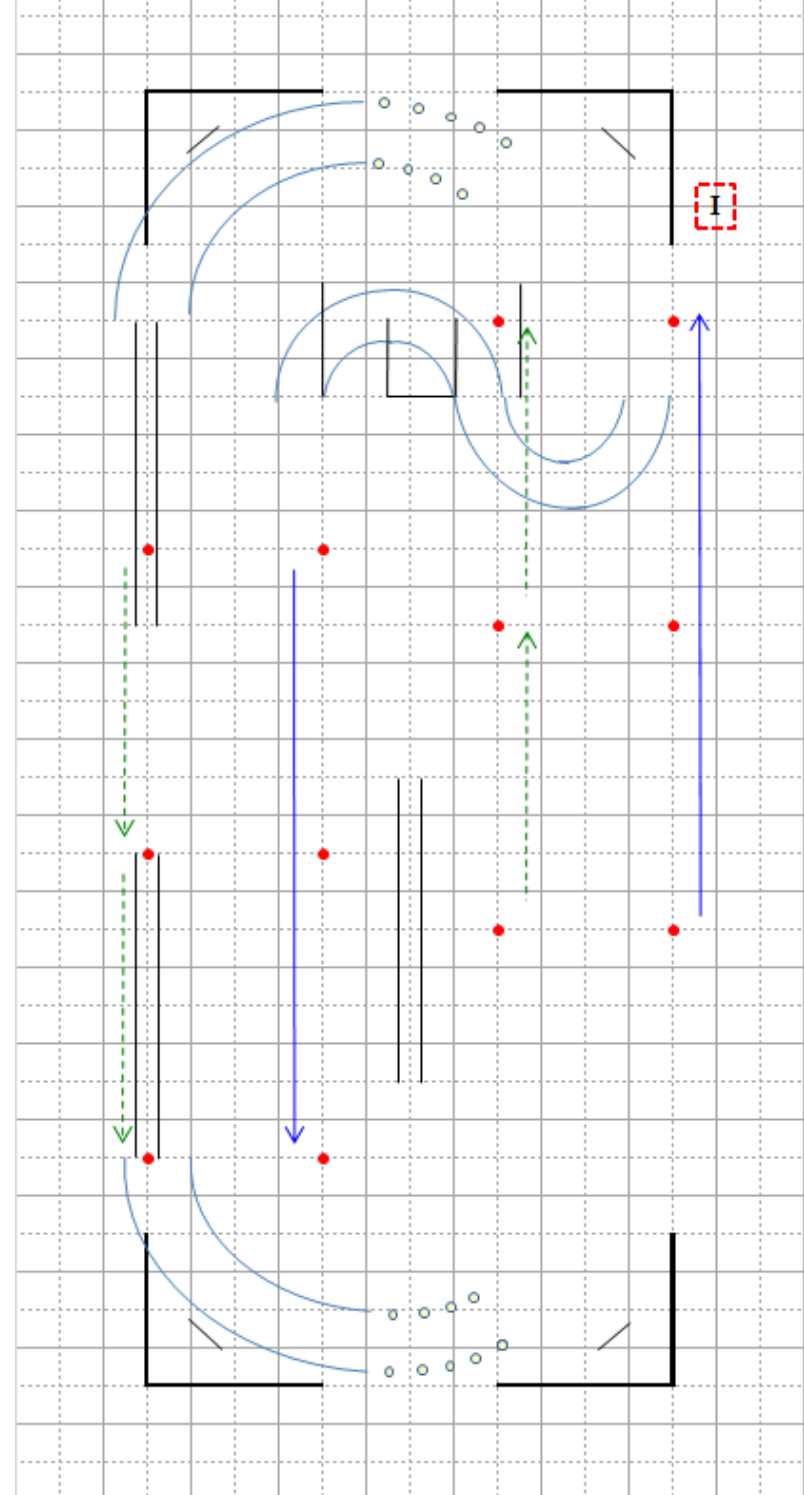
- 01 Read objective
 - To be able to use the friction zone with control
 - 02 Explain range setup
 - Individual lanes back and forth across range marked by 2 cones
 - 03 Provide instructions
 - Part 1 – Group Rocking
 - On signal, mount and start engine
 - On signal, squeeze clutch lever and shift to 1st gear
 - On signal, use friction zone to rock back-and-forth in place repeatedly
 - Do not release clutch lever fully
 - Use minimal throttle
 - Part 2 – Power Walking
 - On signal, power walk in path of travel
 - Keep feet on ground, not on footrests
 - Upon reaching target cone, stop using front brake smoothly, shift to neutral (slowly easing out clutch lever to be sure), and raise left hand
 - On signal, turn motorcycle around
 - On signal, shift to first and repeat power walk, stopping next to target cone
 - Repeat as signaled
 - Part 3 – Riding
 - On signal, ride from start cone to target cone
 - Power walk until speed is stable
 - Use both brakes to stop, putting left foot down first
- 04 Provide demo of posture and 3 parts
 - Note evaluations and provide signals
 - Keep right wrist flat and use steady throttle
 - Keep clutch lever covered
 - Keep head and eyes up
 - Keep knees against tank
 - Don't cover front brake lever while using throttle
 - Maintain a safety margin
 - 05 Provide simulated practice of friction zone
 - 06 Conduct exercise as a group
 - During Part 1 – Group Rocking, watch riders needing individual coaching. Ensure all riders have good friction zone control before moving to Power Walking
 - 07 Stage riders
 - In middle of range in direction to permit left turn to start next exercise
 - 08 Debrief



EXERCISE #10 STARTING & STOPPING DRILL

25 minutes - Demo, 2 Parts

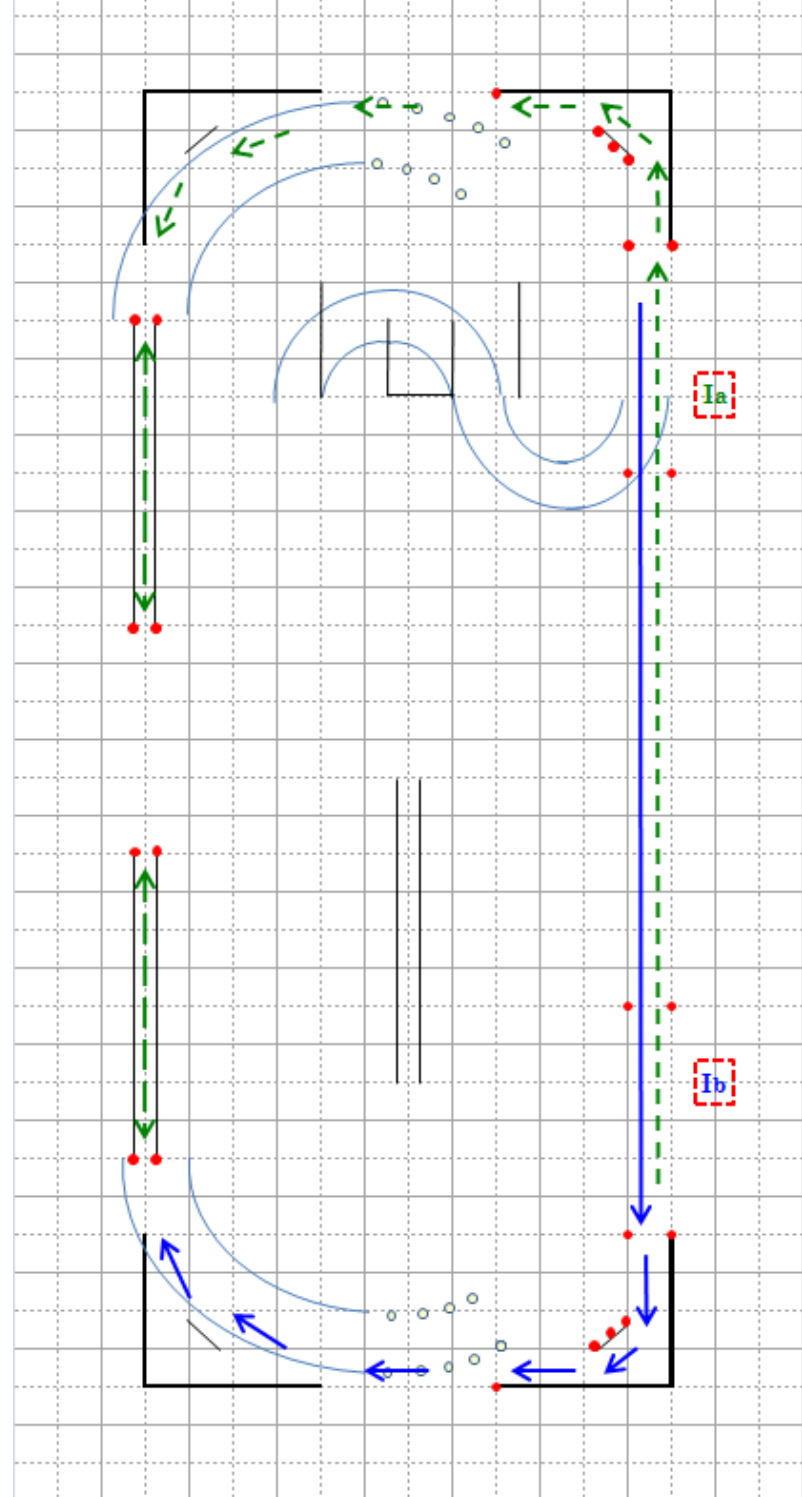
- 01 Read objective
 - To be able to start out and stop with precision and control
- 02 Explain range setup
 - 2 lanes of cones on each side of range, for a total of 4 lanes
- 03 Provide instructions
 - Part 1 – Stop at each cone
 - On signal, power walk to start cone designated
 - On signal and when your next stop cone is open, start out and stop smoothly
 - Power walk until speed is stable
 - When at last cone in row, check for opening in either lane at other side, and power walk to next cone (watch for other riders)
 - Repeat until signaled otherwise
 - Part 2 – Stop at last cone
 - On signal and when last cone is open, start out from the first cone and stop smoothly at last cone
- 04 Provide demo
 - Note evaluations and provide signals
 - Keep head and eyes up
 - Start and stop smoothly and precisely
 - Coordinate clutch/throttle use
 - Power walk until speed is stabilized
 - Maintain path of travel
 - Use both brakes to stop
 - Square handlebars at stop
 - Put left foot down first at stops
 - Maintain a safety margin
- 05 Conduct exercise
 - When riders demonstrate control in Part 1, stop riders at the beginning of each line
 - Conduct Part 2
- 06 Stage riders at a start point for Exercise 4
- 07 Debrief



30 minutes - Demo, Simulated Practice, Reverse

- 01 Read objective
 - To be able to shift gears and stop smoothly
- 02 Explain range setup
 - Clutch control lanes on the far side of range.
 - A shift/stop lane on near side of range
 - A turn after stop
- 03 Provide instructions
 - On signal, ride through the clutch-control lanes, and stop at the beginning of the shift/stop lane
 - Keep a safety margin between riders while riding and while in line
 - On signal and one at a time, ride down the lane, shifting to 2nd gear, releasing clutch
 - As you approach the stop point, shift to 1st gear and stop between last set of cones
 - Do not release clutch after downshifting to 1st gear
 - Remain stopped for coaching
 - On signal, slowly ride through turn and proceed through the clutch control lanes
 - Turn and get in line
 - On signal reverse exercise.
 - On signal, ride to group parking area
- 04 With riders at stop point, provide demo
 - Include parking area
 - Note evaluations and provide signals
 - Keep eyes up
 - Shift smoothly and precisely
 - Stop smoothly using both brakes at the designated point
 - Do not release clutch after downshifting
 - In clutch control lanes, work to improve slow speed clutch control and balance
 - Use outside-inside-outside path in perimeter turns
 - Maintain a safety margin
- 05 Provide simulated practice of shifting
- 06 Conduct exercise
 - Encourage riders to complete perimeter turns after stop
 - Observe each rider through perimeter turn before signaling next rider
 - Note skill development as riders practice clutch control lane
 - Reverse exercise by moving riders to new start point
- 07 Stage riders in parking area
- 08 Debrief

Note: An equal amount of time should be spent in each direction



30 minutes - Demo, Simulated Practice, 2 Parts, Reverse

- 01 Read objective
 - To be able to adjust speed to make smooth turns and negotiate weaves
- 02 Explain range setup
 - Cones around perimeter of range, 20' apart on one side and 30' apart on the other
- 03 Provide instructions

Part 1 – Ride perimeter outside the cones

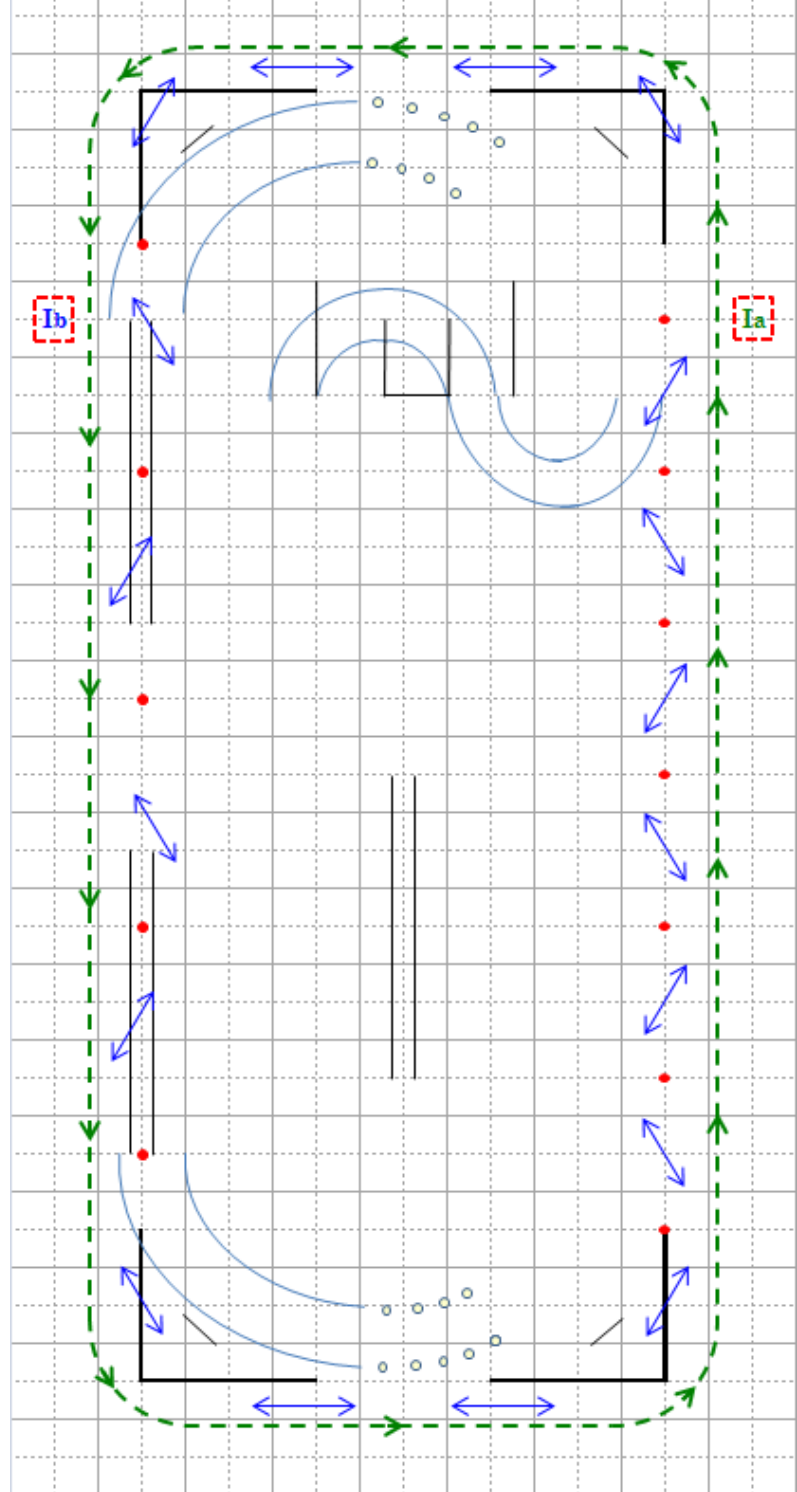
 - On signal, ride the perimeter outside of cones and adjust speed for corner
 - Maintain an adequate following distance
 - Speed up as possible on the straightaway and slow for the corners
 - Do not squeeze the clutch when slowing

Part 2 – Weave

 - After some time and on signal, begin to weave around the cones

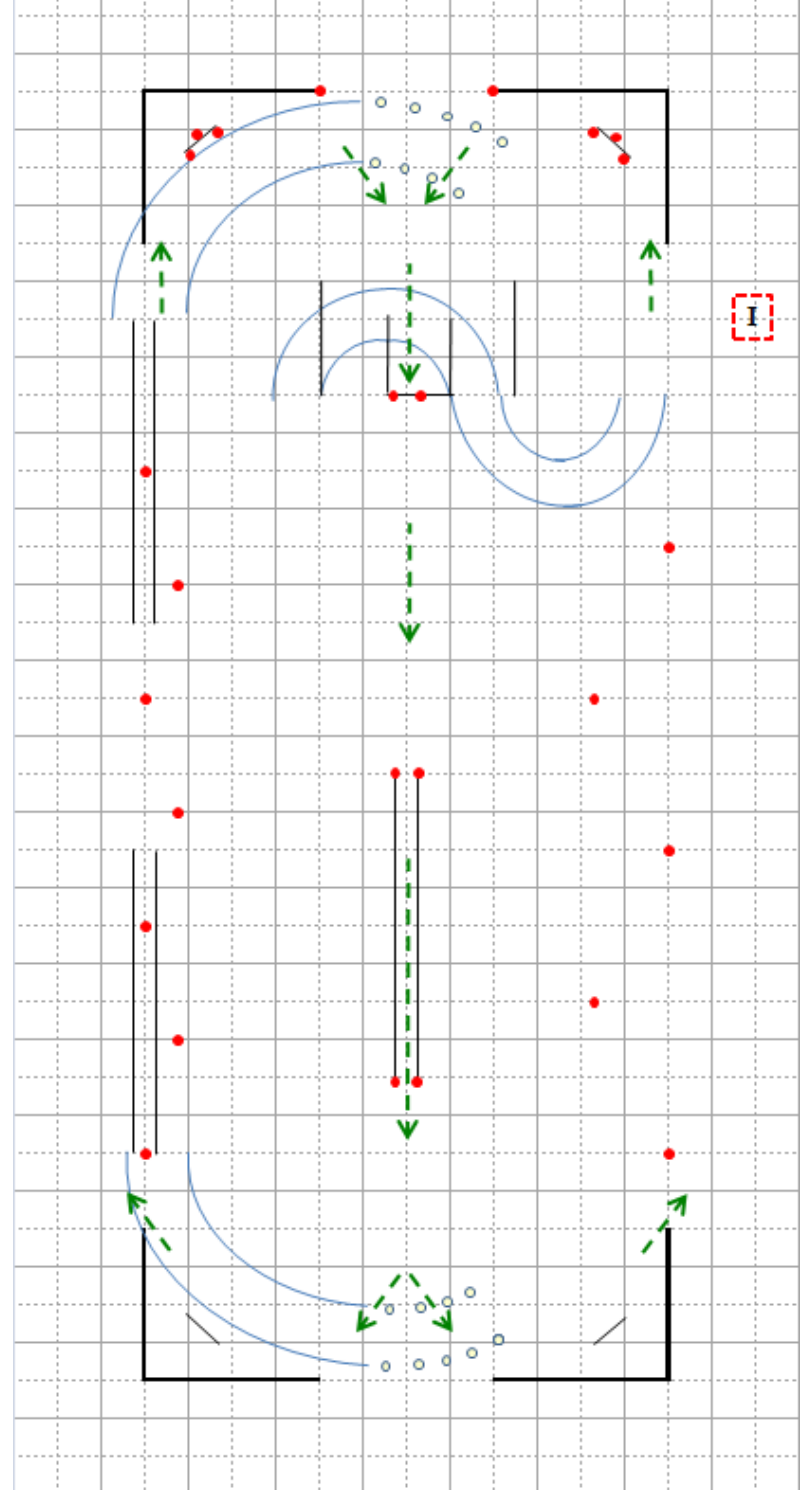
Starting on the outside of the first cone

 - On signal, stop in line to reverse direction
 - On signal, stop in line to reverse and ride to parking area
- 04 Provide demo
 - Note evaluations and provide signals
 - Maintain precise control
 - Slow with both brakes before corners (no clutch squeeze)
 - Use throttle smoothly
 - Keep right wrist flat without covering front brake
 - Maintain a safety margin, particularly in following distance
- 05 Provide simulated practice of steady throttle with steering input
- 06 Conduct exercise, with reversal of weaves
 - Provide extended time on perimeter
- 07 Stage riders in the parking area
- 08 Debrief



20 minutes - Demo

- 01 Read objective
 - To be able to effectively maneuver the motorcycle
- 02 Explain range setup
 - Down the middle: a pause-n-go, clutch control lane, and turn
 - On the long sides of the range are offset weaves and a perimeter turn
- 03 Provide instructions
 - Ride down the center of the range for the pause-n-go, the clutch control lane, and turn left or right
 - On the long sides, weave around the cones starting to the outside of the first cone
 - Slow at the end and make a perimeter turn
 - Check for traffic and repeat up the middle
 - Alternate sides
- 04 Provide demo
 - Note evaluations and provide signals
 - Coordinate throttle, clutch, and brake use
 - Keep head and eyes up
 - Maintain appropriate following distance
 - Check for traffic
 - Maintain a safety margin
- 05 Conduct exercise
 - Start riders down middle
 - Stress gap selection
 - Have riders work toward very low speeds in clutch control lane
 - Initially distribute riders evenly on long sides
- 06 Stage riders in parking area
- 07 Debrief



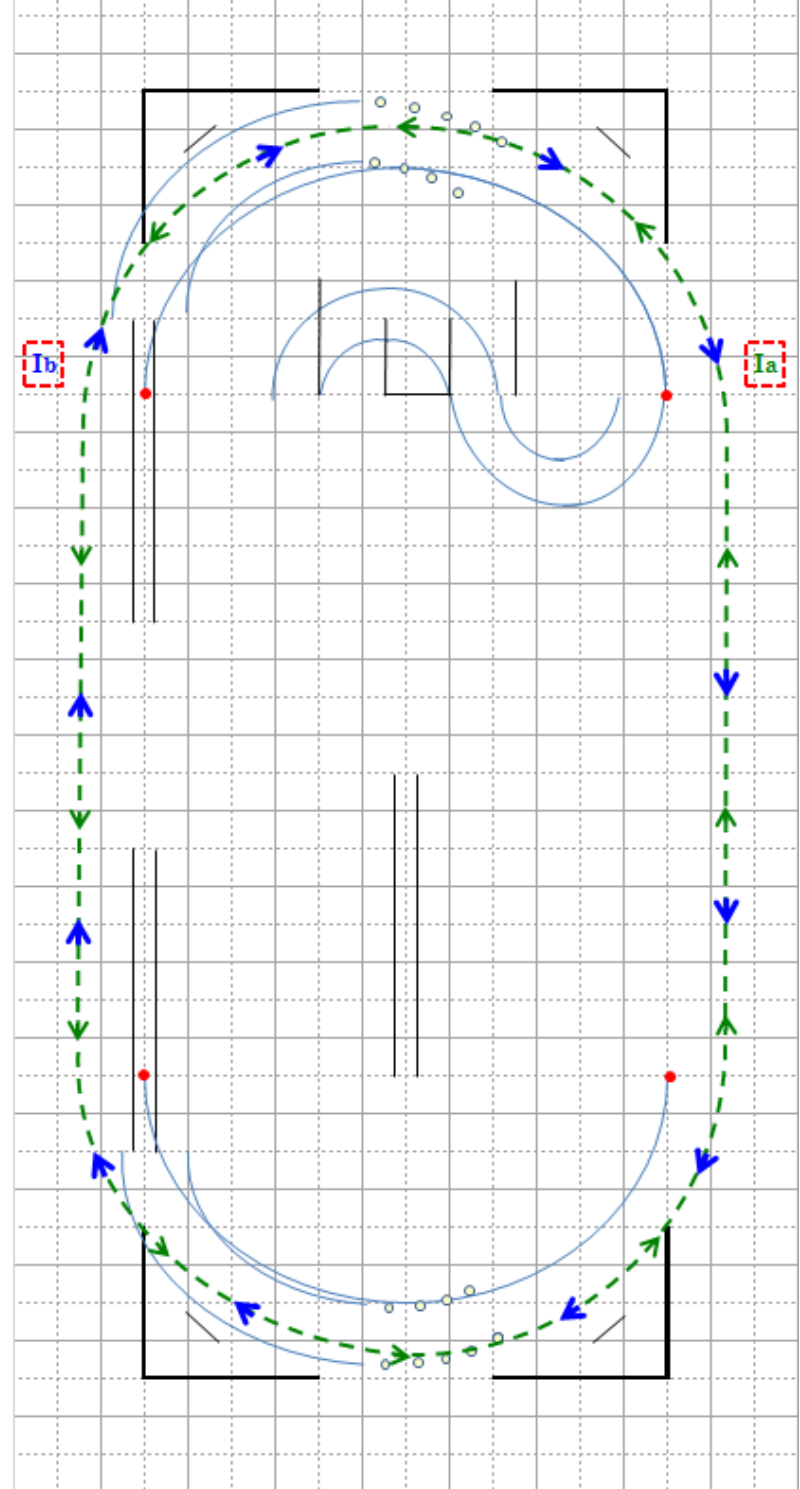
30 minutes - Demo, Simulated Practice, Reverse, Repeat

1. Read objective
 - To be able to ride smoothly through turns using correct technique
2. Explain range setup
 - An oval formed by 2 large arcs
3. Provide instructions
 - On signal, ride the oval to the left in 2nd gear
 - Before passing each entry cone, brake to entry speed without squeezing the clutch
 - Look through turn and maintain or increase speed gradually through turn
 - Once completed to the left, the exercise will be reversed
 - Once completed to the right, the exercise will be reversed
 - On signal, ride to the parking area
4. With class at entry point, provide demo
 - Note evaluations and provide signals
 - Maintain smooth, controlled operation
 - Keep head and eyes up, and look through the path of travel
 - Slow with both brakes prior to entry
 - Use Slow, Look, Press, Roll technique in cornering
 - Maintain a safety margin
5. Conduct simulated practice of “look and press”
6. Conduct exercise (running to left)
 - Initially coach “slow and look”
 - Stop and reverse exercise (running to right)
 - Stop, or stage riders to debrief and coach
 - Repeat exercise left and right

7. Stage riders in parking area

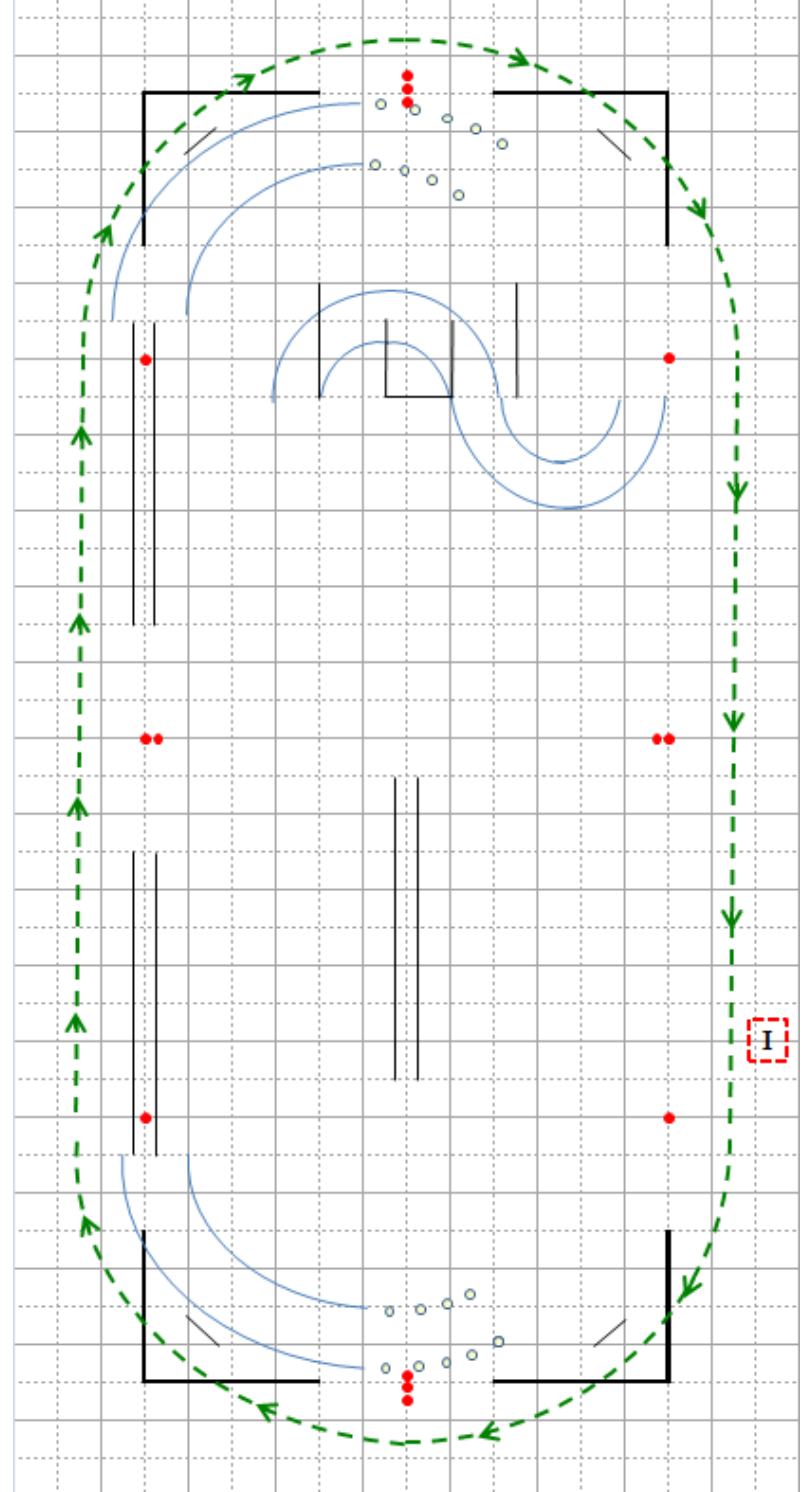
8. Debrief

Note: The maximum number of riders for the oval is 6.



15 minutes - Demo (Clockwise direction)

- 01 Read objective
 - To be able to select the proper gear for road speed
- 02 Explain range setup
 - Perimeter with cue cones for shifting and turning
- 03 Provide instructions
 - On signal, complete a sweeping U-turn and ride the perimeter clockwise in 2nd gear
 - At the triple cones, shift to 3rd gear and increase speed
 - At double cones, downshift to 2nd gear, easing out clutch while in straight path
 - Slow prior to continuing to other side
 - On signal, reverse and ride parking area
- 04 With class observing at a downshift point, provide demo
 - Note evaluations and provide signals
 - Keep head and eyes up
 - Match gear to speed
 - Change gears smoothly
 - Maintain a safety margin
- 05 Conduct exercise
 - Initially coach riders on the timing of downshift and easing out clutch if necessary
- 06 Stage riders
 - Slow and stop riders on far side
 - Stage riders in parking area
- 07 Debrief



30 minutes - Demo, Simulated Practice, 2 Parts

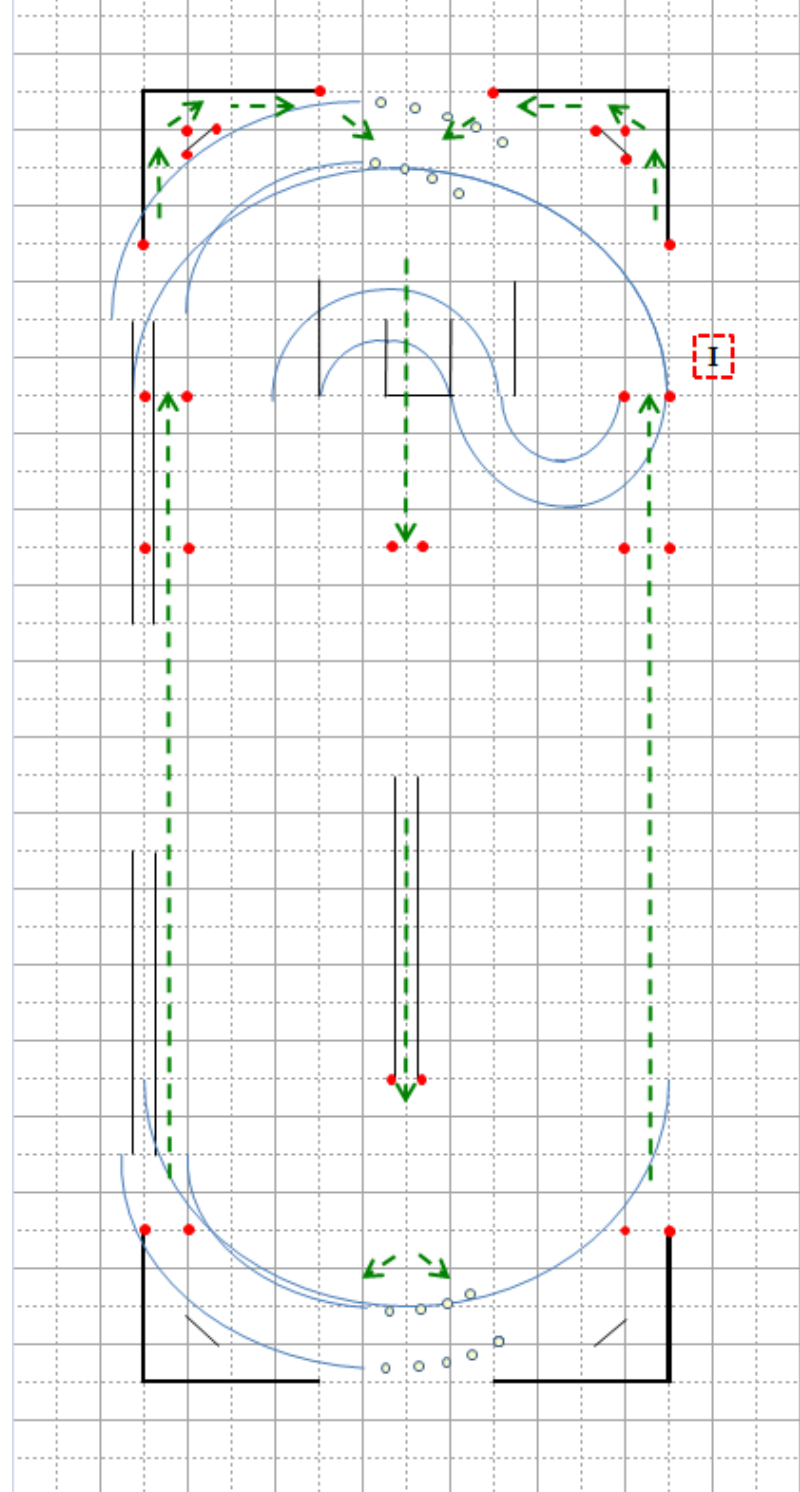
- 01 Read objective
 - To be able to stop quickly and safely in shorter distances
- 02 Explain range setup
 - 2 stop lanes, one of each each side of the range
 - 2 pause-n-gos in middle
- 03 Provide instructions

Part 1 – Stop using cue cones

 - On signal, ride down the middle of the range through the pause-n-gos
 - Ride to a start point for stop lane
 - When stopping area is clear and one at a time, approach stopping area at about 15 mph in 2nd gear
 - Stabilize speed early
 - As your front tire passes the cue cones, downshift keeping the clutch squeezed, and make a quick stop using both brakes
 - Once coached, make the perimeter turn, check for traffic and ride the pause-n-gos
 - Turn and get in the shorter line

Part 2 – Stop on signal

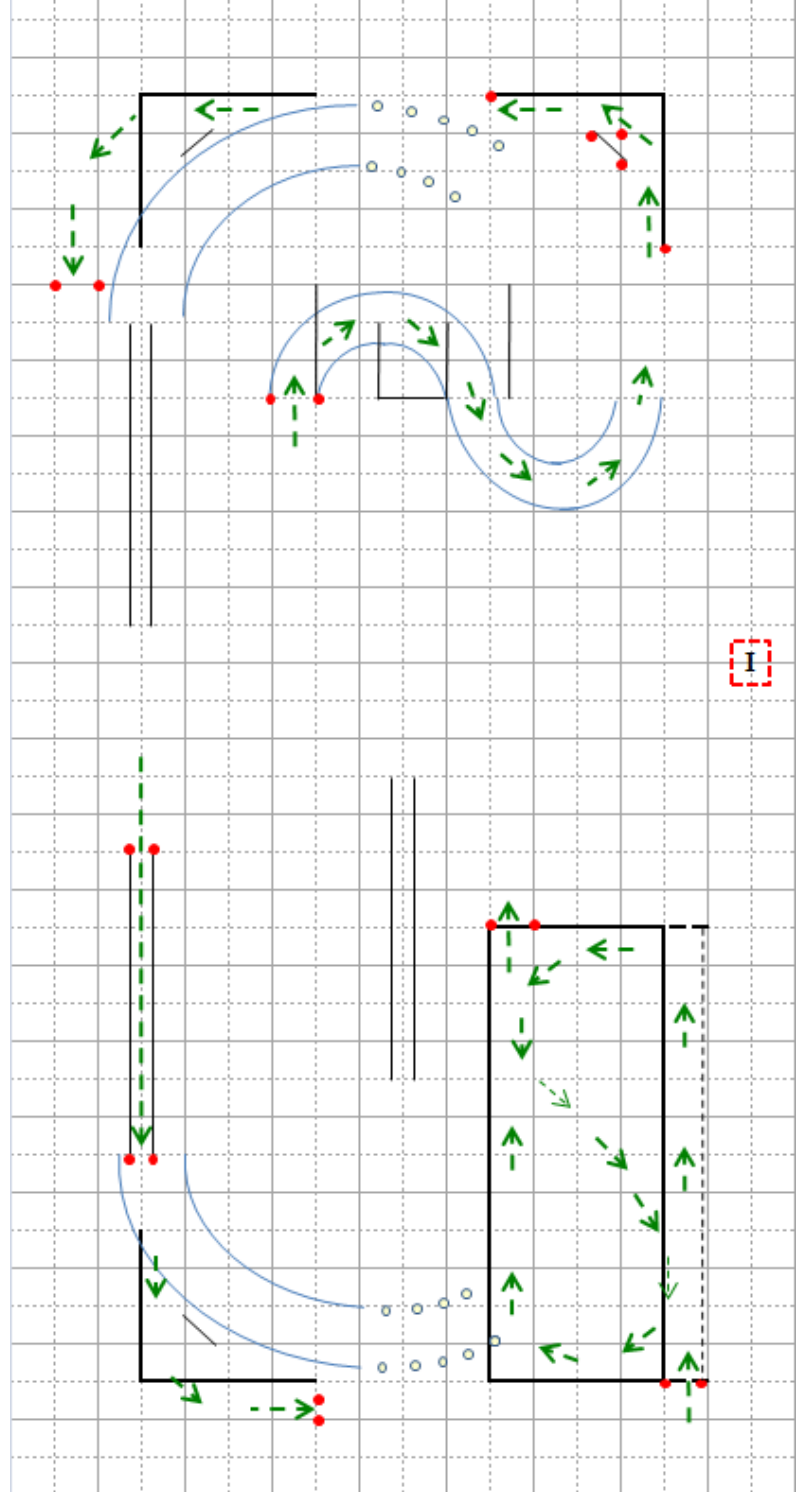
 - Stop quickly upon command
- 04 With class at stop point, provide demo
 - Note evaluations and provide signals
 - Keep head and eyes up
 - Use brakes firmly, not grabbing the front brake or locking the rear brake
 - If rear wheel locks; use less pressure next time
 - If front wheel locks, immediately release lever and reapply with less pressure
 - Shift with precision
 - Maintain a safety margin
 - Keep speeds low and use soft pressure on front brake for the first few attempts
- 05 Provide simulated practice of quick stop procedure
- 06 Conduct exercise
 - To start, distribute riders evenly
 - Stress gap selection
 - Part 1: use cue cones
 - Part 2: use stop signal
- 07 Stage riders in parking area
- 08 Debrief



EXERCISE # 10 LIMITED SPACE MANEUVERS

25 minutes - Demo, Simulated Practice

- 01 Read objective
 - To be able to maneuver in limited spaces
- 02 Explain range setup
 - A U-turn area, S-turn, perimeter turn, pause-n-go, and clutch control lane
- 03 Provide instructions
 - On signal, move to the start point
 - When U-turn area is free and one at a time, ride a U-turn left and a U-turn right
 - Ride the S-turn and perimeter turn
 - Pause-n-go and ride the clutch control lane
 - Turn and stop in U-turn line
- 04 With riders near U-turn box, provide demo
 - Note evaluations and provide signals
 - Maintain overall control
 - Turn handlebars and counterweight
 - Keep head and eyes up, and look through path of travel
 - Coordinate clutch and throttle actions
 - Maintain a safety margin
- 05 Provide simulated practice
 - Stress handlebar turn, motorcycle lean and counterweight
 - Stress head turn
- 06 Conduct exercise
 - As riders gain skill, have them work toward the 20' U-turn
- 07 Stage riders in parking area
- 08 Debrief



25 minutes - Demo, Simulated Practice, Repeat

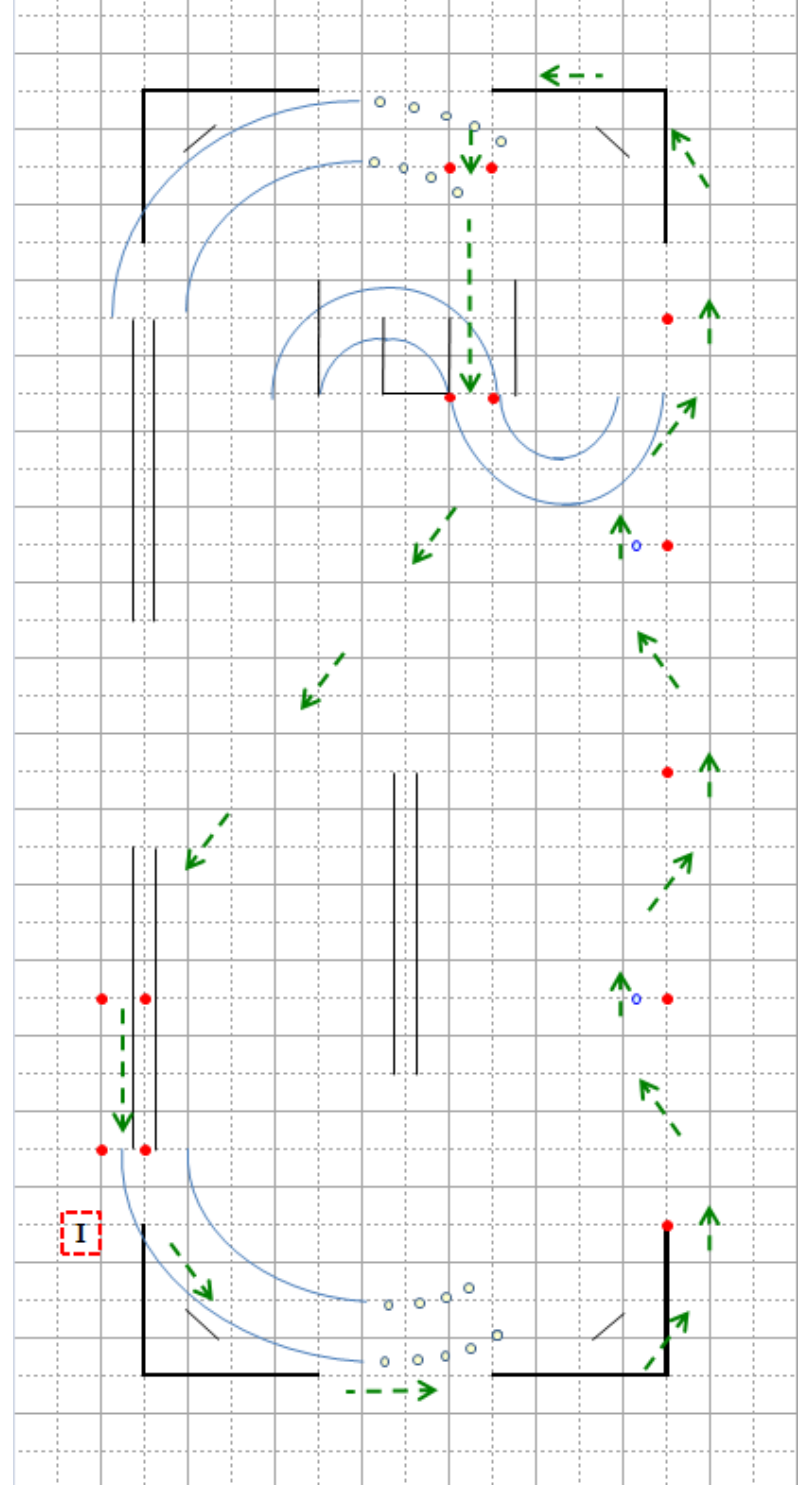
- 01 Read objective
 - To be able to initiate lean for turning using handgrip pressure
- 02 Explain range setup
 - An offset path down the middle and a 30' weave on the perimeter
- 03 Explain counter steering
 - Changing a path of travel requires an initial press on the handgrip in the direction of the change (press right - go right; press left - go left)
- 04 Provide instructions
 - On signal, ride to the starting point
 - On signal and one at a time ride through the path of travel in 1st or 2nd gear
 - Unless stopped, slow before turning and proceed through the weave to return to line
 - After some time and on signal, stop as a group for coaching
 - The exercise will be repeated, this time with a continuous path
- 05 Provide demo
 - Note evaluations and provide signals
 - Keep head and eyes up
 - Initiate path of travel change with handgrip pressure
 - Maintain steady speed
- 06 Provide simulated practice
 - Press and lean
 - Make sure all riders allow motorcycle to lean in direction of press
- 07 Conduct exercise, including repeat

1st session:

 - Use 30' weave for initial path
 - Call riders one at a time, stopping for coaching [only] if necessary

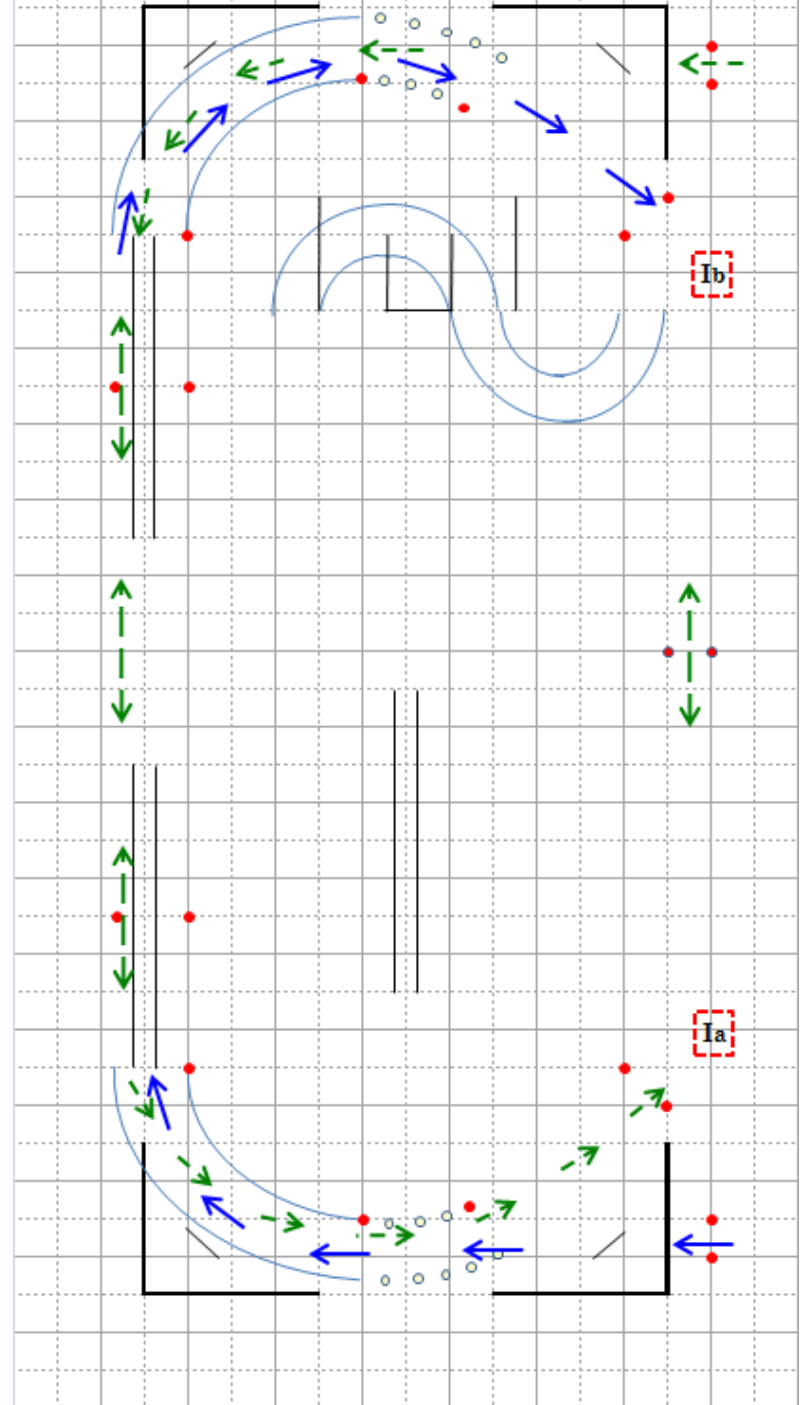
2nd session:

 - Use 30' x 3' offset weave
 - Use a continuous path of travel
- 08 Stage riders in parking area
- 09 Debrief



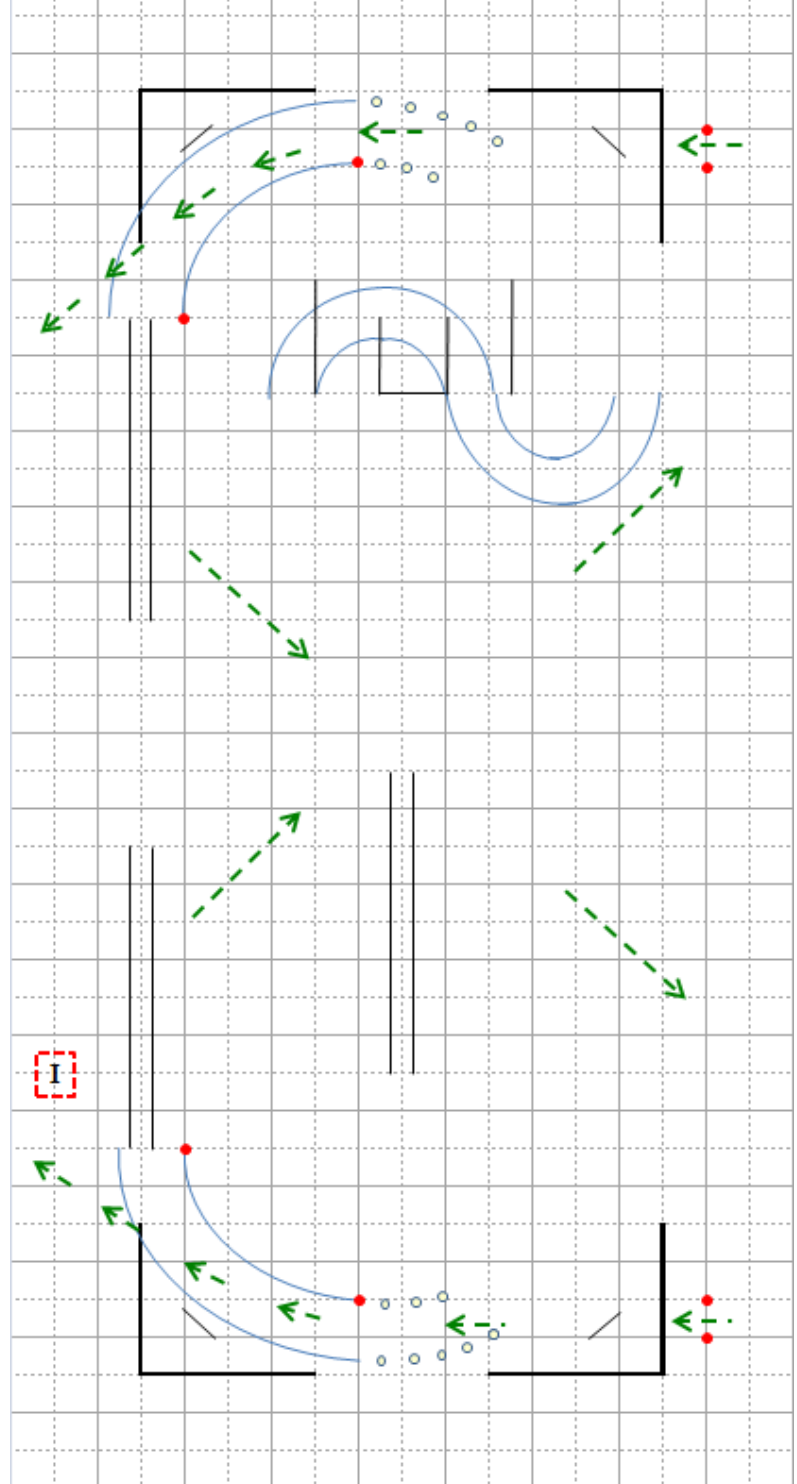
30 minutes - Demo, Reverse

- 01 Read objective
 - To become proficient in riding smoothly through curves
- 02 Explain range setup
 - 2 curved paths marked by lines and cones
- 03 Provide instructions
 - On signal, ride to starting point
 - On signal and one at a time, ride through first curve in 2nd gear, rolling on throttle to increase speed
 - Use an outside-inside-outside path of travel
 - Continue to increase speed in straightaway.
 - You should go fast enough to demonstrate the technique (approximately 12 to 17 mph)
 - For second curve, slow before entering, without squeezing clutch, and look, press, roll.
 - Use an outside-inside-outside path of travel
 - Once straight, shift to 1st gear and stop at cones
 - After some time and on signal, the exercise will be reversed
- 04 With riders at entry point, provide demo
 - Note evaluations and provide signals
 - Keep head and eyes up
 - Use an outside-inside-outside path
 - Use slow, look, press, roll technique
 - Shift and stop smoothly
 - Maintain a safety margin
- 05 Conduct exercise, with reversal
- 06 Stage riders in place
- 07 Debrief



20 minutes - Demo, Simulated Practice

- 01 Read objective
 - To be able to stop quickly in a curve
- 02 Explain range setup
 - 2 curved paths marked by lines and cones, with gap selection in middle
- 03 Provide instructions
 - When curve is clear, one at a time, ride into curve in 1st or 2nd gear
 - After entering the curve, straighten and then brake to a stop (going over the line if necessary)
 - After coaching, select a safe gap and proceed to other line
 - On signal, return to parking area
- 04 With riders at stop point, provide demo
 - Note evaluations and provide signals
 - Use outside-inside-outside path
 - Straighten before braking
 - Keep head and eyes up
 - Do not brake too hard
 - Have handlebars square when stopped
 - Select a safe gap in middle
 - Maintain a safety margin
- 05 Provide simulated practice
 - Straighten, then brake
- 06 Conduct exercise
- 07 Stage riders in parking area
- 08 Debrief



20 minutes - Demo, Simulated Practice, 2 Parts

- 01 Read objective
 - To be able to cross over obstacles and make lane changes
- 02 Explain range setup
 - Obstacles on outside perimeter
 - A lane change area and an offset weave on the perimeter
- 03 Provide instructions

Part 1 — Obstacle

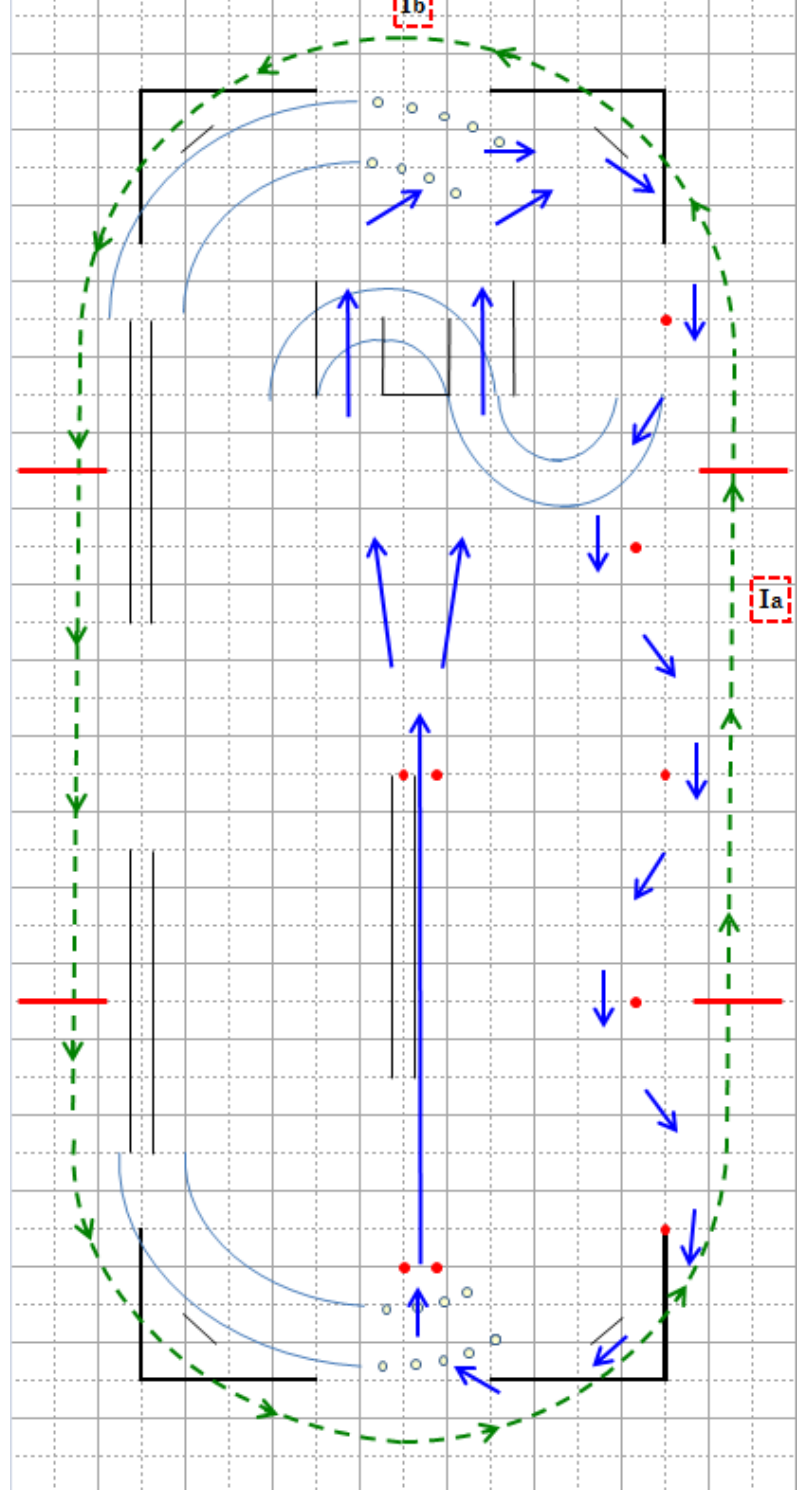
 - On signal, ride the perimeter crossing over obstacles on both sides of range
 - On signal, stop to set up for lane change and offset weave

Part 2 – Lane Change and Weave

 - On signal and one at a time, perform a lane change in the direction of your choice and stop for coaching
 - After coaching, turn and complete offset weave to return to line
- 04 With riders at a coach position, provide demo
 - Note evaluations and signals for Part 1
 - Approach at 90 degrees
 - Keep eyes up, looking ahead
 - Grasp both handgrips
 - Rise off seat, knees bent and against tank, and weight back slightly
 - Accelerate slightly just prior to contact
 - At front tire contact, roll off throttle
 - Note evaluations and signals for Part 2
 - Check mirror, signal, check blind spot, and cancel signal
 - Maintain a safety margin
- 05 Conduct part 1: obstacles
- 06 Stop riders staging for part 2: lane change
 - Remove obstacles
 - Provide simulated practice of lane change procedure
- 07 Conduct part 2
- Coach lane changes and observe offset weaves
- 08 Stop riders in place
- 09 Debrief

Note:

- For lane changes, cue cones are 50' from barrier
- Weave cones are 30' apart with a 3' offset

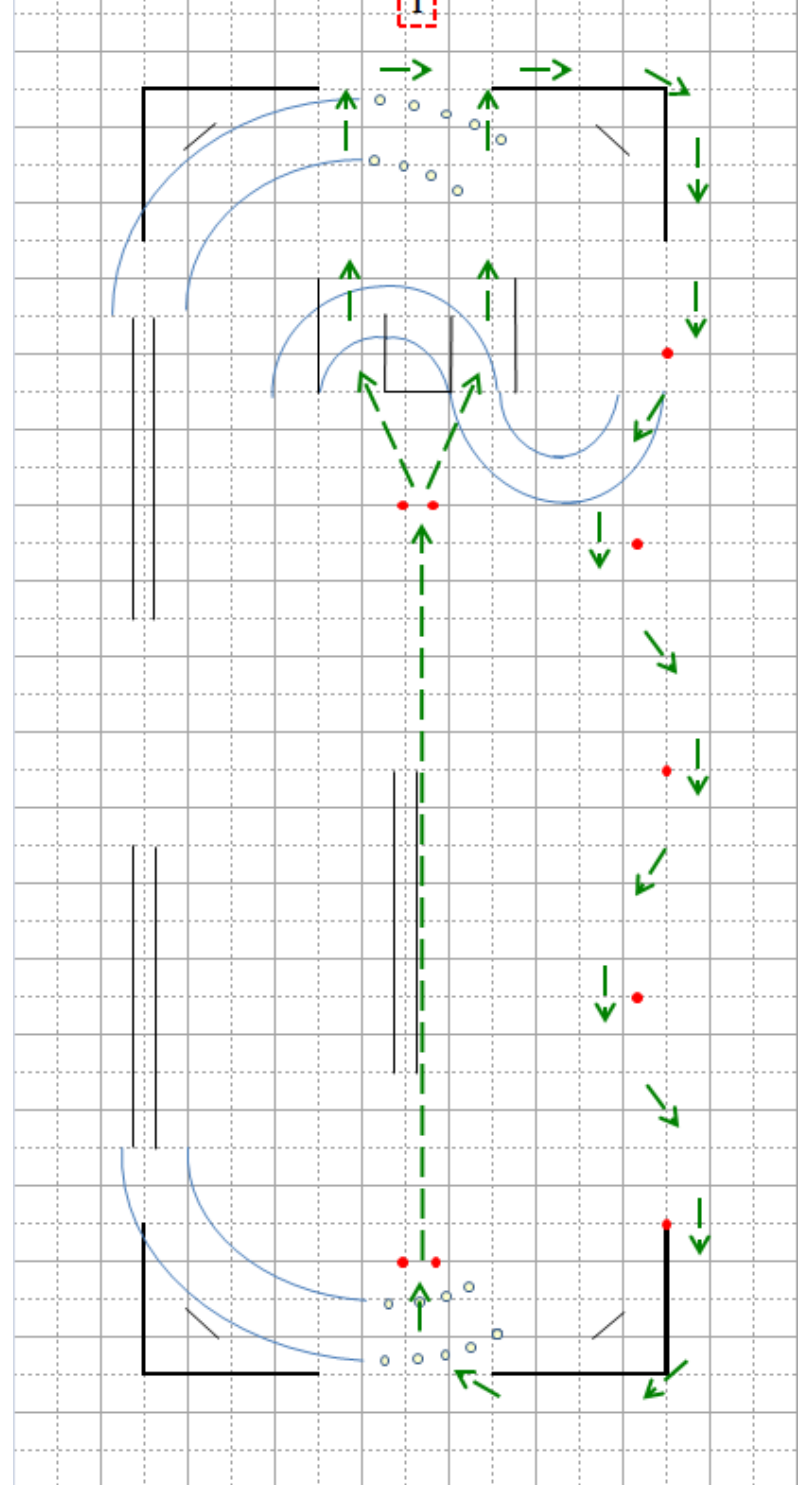


30 minutes - Demo, Simulated Practice, 2 Parts

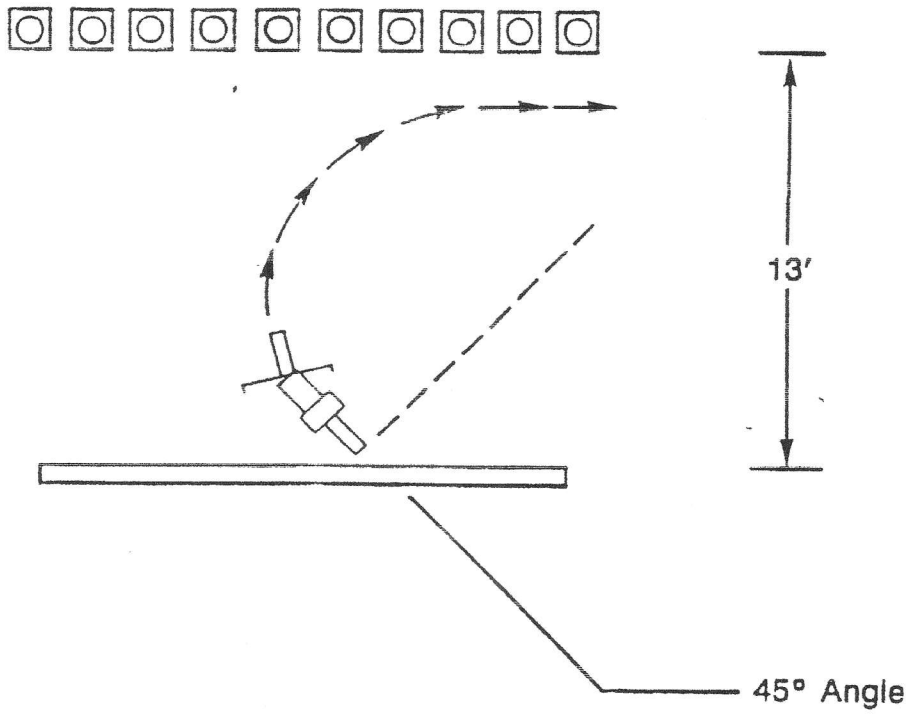
- 01 Read objective
- To be able to avoid hazards by swerving or stopping quickly
- 02 Explain range setup
- An obstacle barrier and an offset weave on outside perimeter
- 03 Provide instructions
- Part 1 – Swerve
- On signal and one at a time, approach barrier at around 12 mph in 2nd gear
 - Maintain a steady speed
 - Swerve in direction signaled without braking
 - When straight, downshift and stop for coaching
 - After coaching, turn and complete offset weave returning to line
- Part 2 – Swerve or Brake
- After some time, a 3rd signal will be added providing 3 options: swerve left, swerve right, or brake in straight line
- 04 With riders at coach position, provide demo
- Note evaluations and provide signals
- Part 1 – Swerve
- Keep head and eyes up
 - Keep speed under control
 - Keep body upright, independent of motorcycle lean
 - Maintain steady speed when swerving
 - Do not brake while swerving
 - In weave, maintain steady speed
- Part 2 – Swerve or Brake
- When stopping, downshift and brake smoothly in a straight line
 - In weave, maintain steady speed
- 05 Provide simulated practice
- Swerving with upper body straight
- 06 Conduct exercise
- Provide early signals, no surprises
 - For Part 2, tell riders that first signal will be a stop signal, then signals will be random
- 07 Stage riders in parking area
- 08 Debrief

Notes:

- The cue cones are 15' from the barrier and 3' apart
- The weave cones are 30' apart with a 3' offset

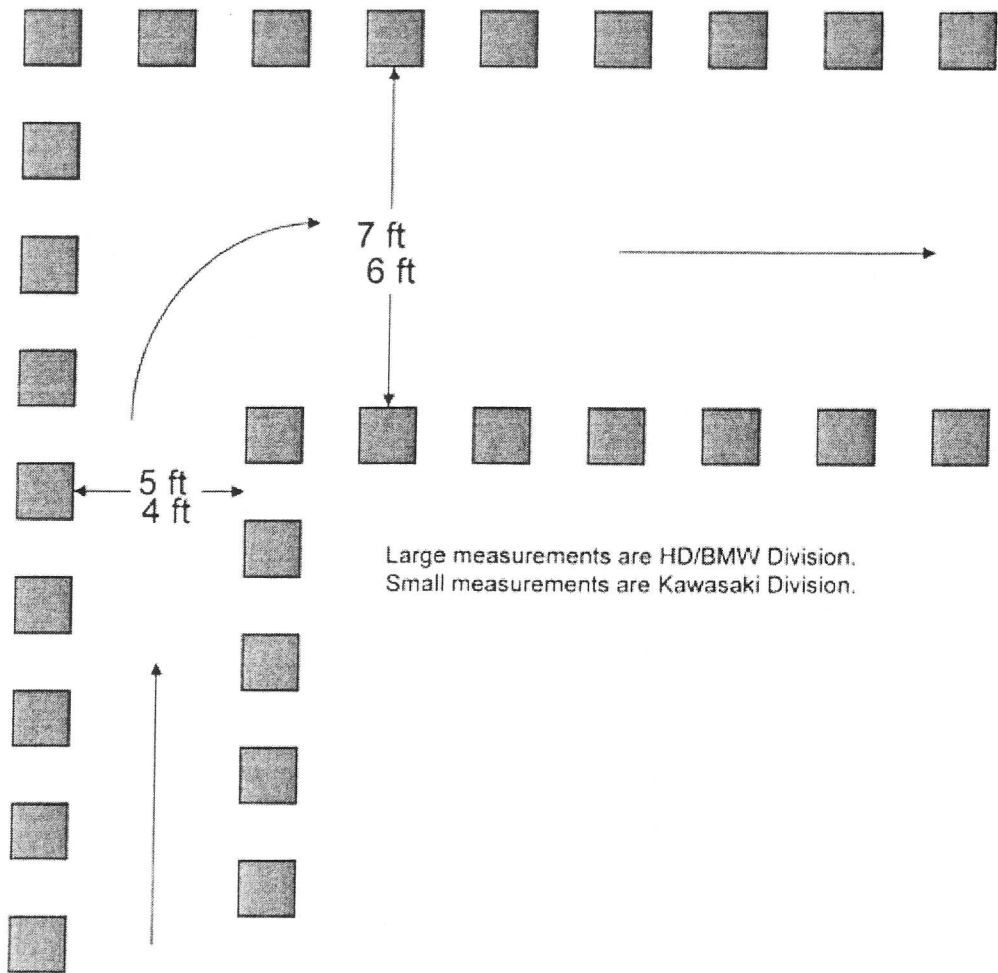


45° PULL-OUT

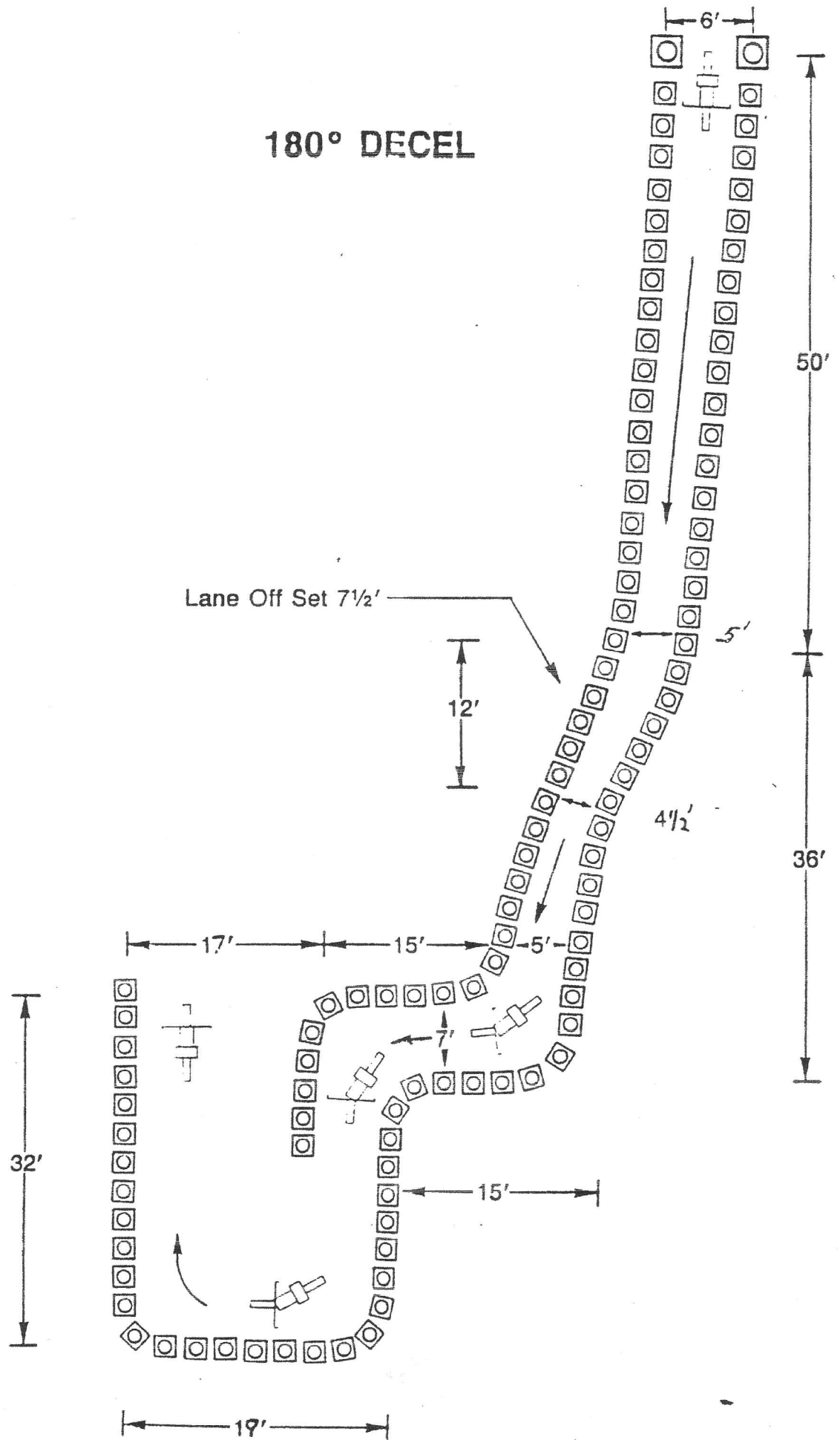


Pull out can be made in either direction.

90 Degree Right Turn

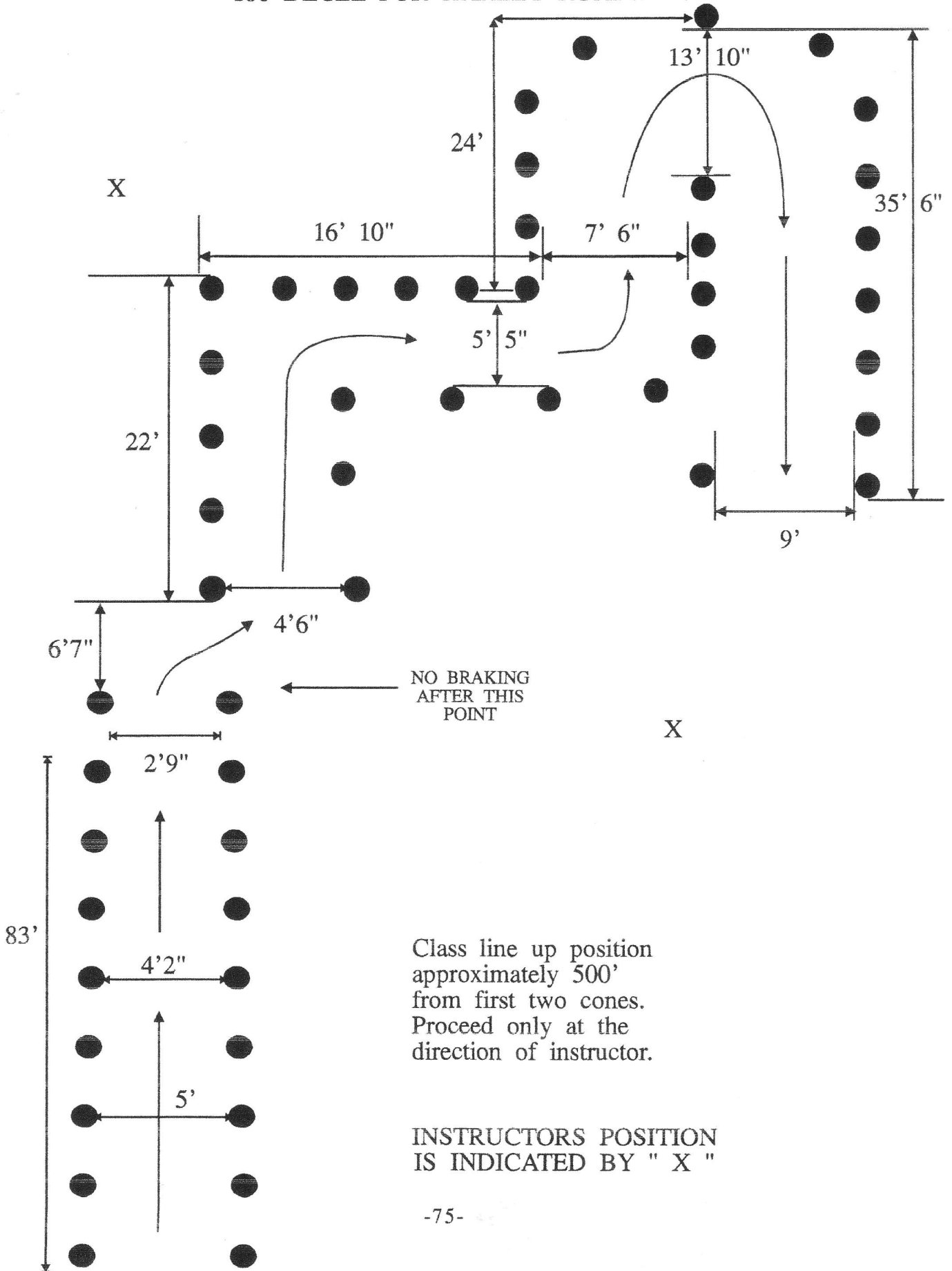


180° DECEL



SAN BERNARDINO COUNTY SHERIFFS
 MOTORCYCLE TRAINING BASIC COURSE

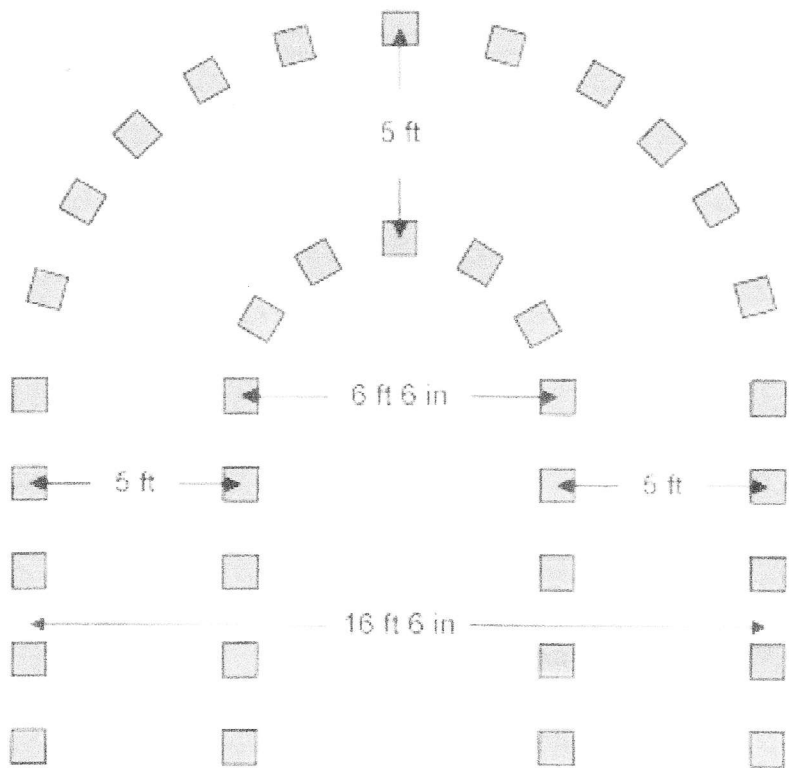
180 DECEL FOR HARLEY ROADKING



NO BRAKING
 AFTER THIS
 POINT

Class line up position
 approximately 500'
 from first two cones.
 Proceed only at the
 direction of instructor.

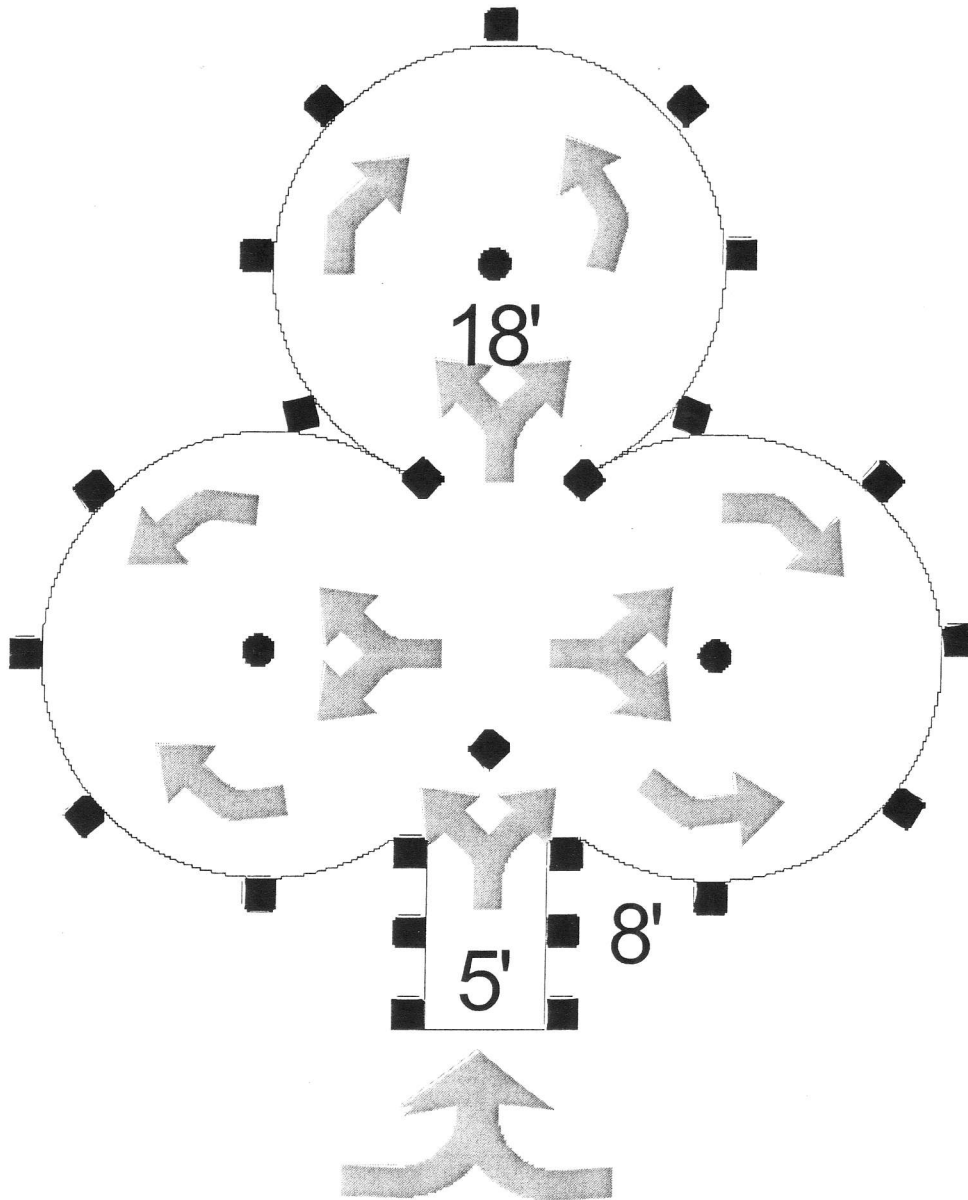
INSTRUCTORS POSITION
 IS INDICATED BY " X "



180 Degree U-Turn

Measurements for Kawasaki

Ace of Clubs



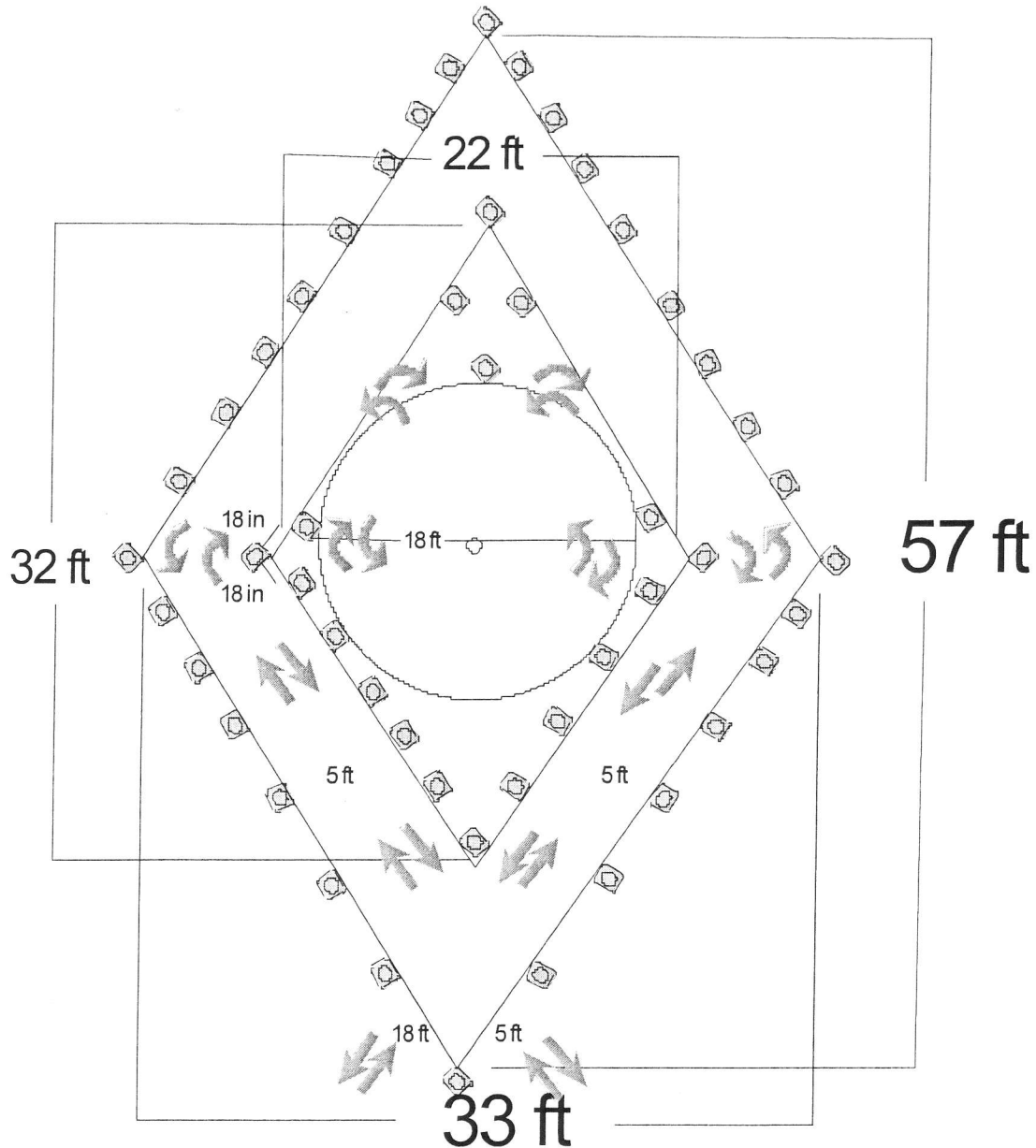
Start with 3-18 foot circles in a triangle pattern.

The entrance is 5 feet wide and 8 feet deep to the edge of the two bottom circles. The cone in the entrance is at the intersection of the two bottom circles.

The entrance to the top circle is also 5 feet.

The center pivots are 4 foot traffic posts.

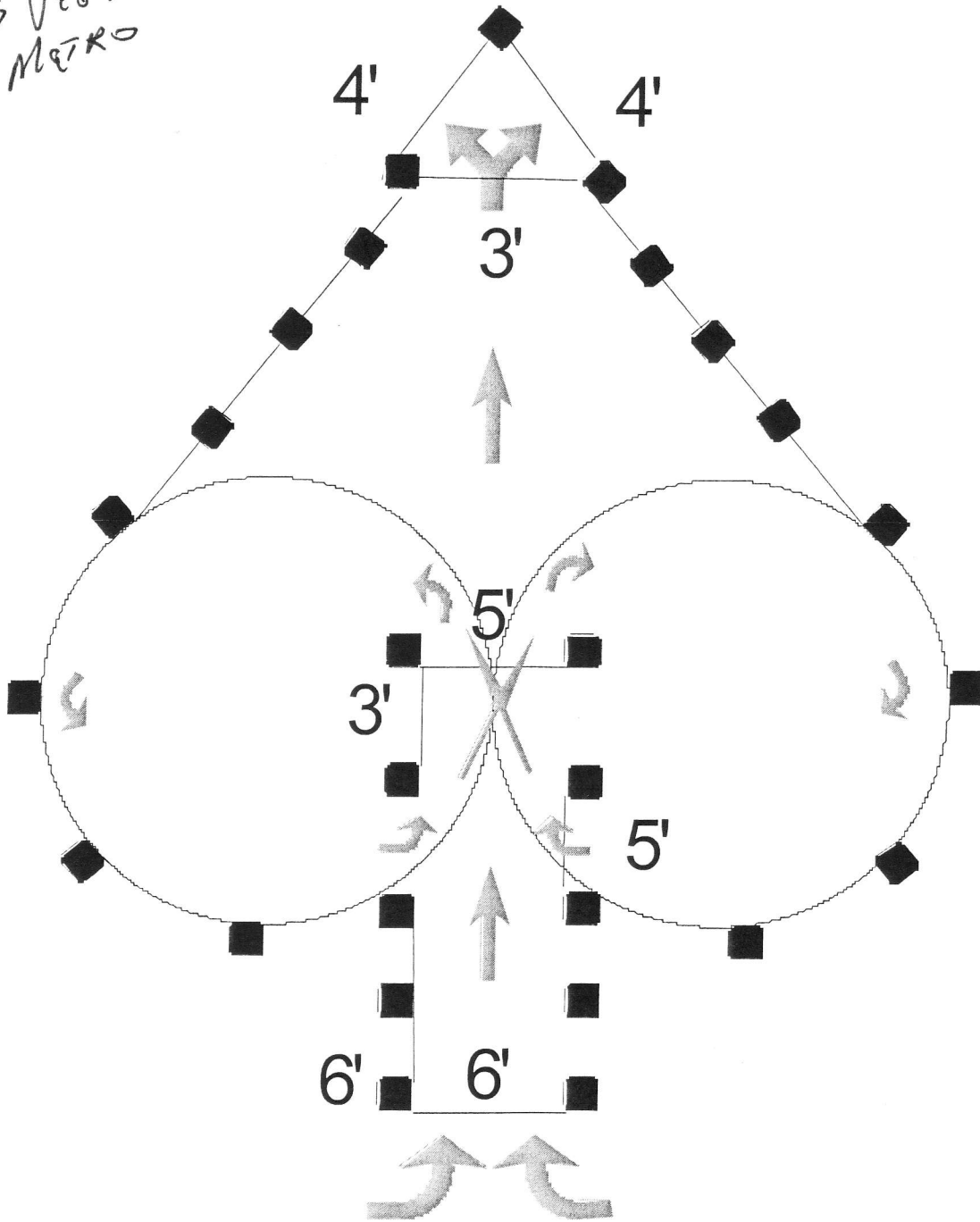
Ace of Diamonds



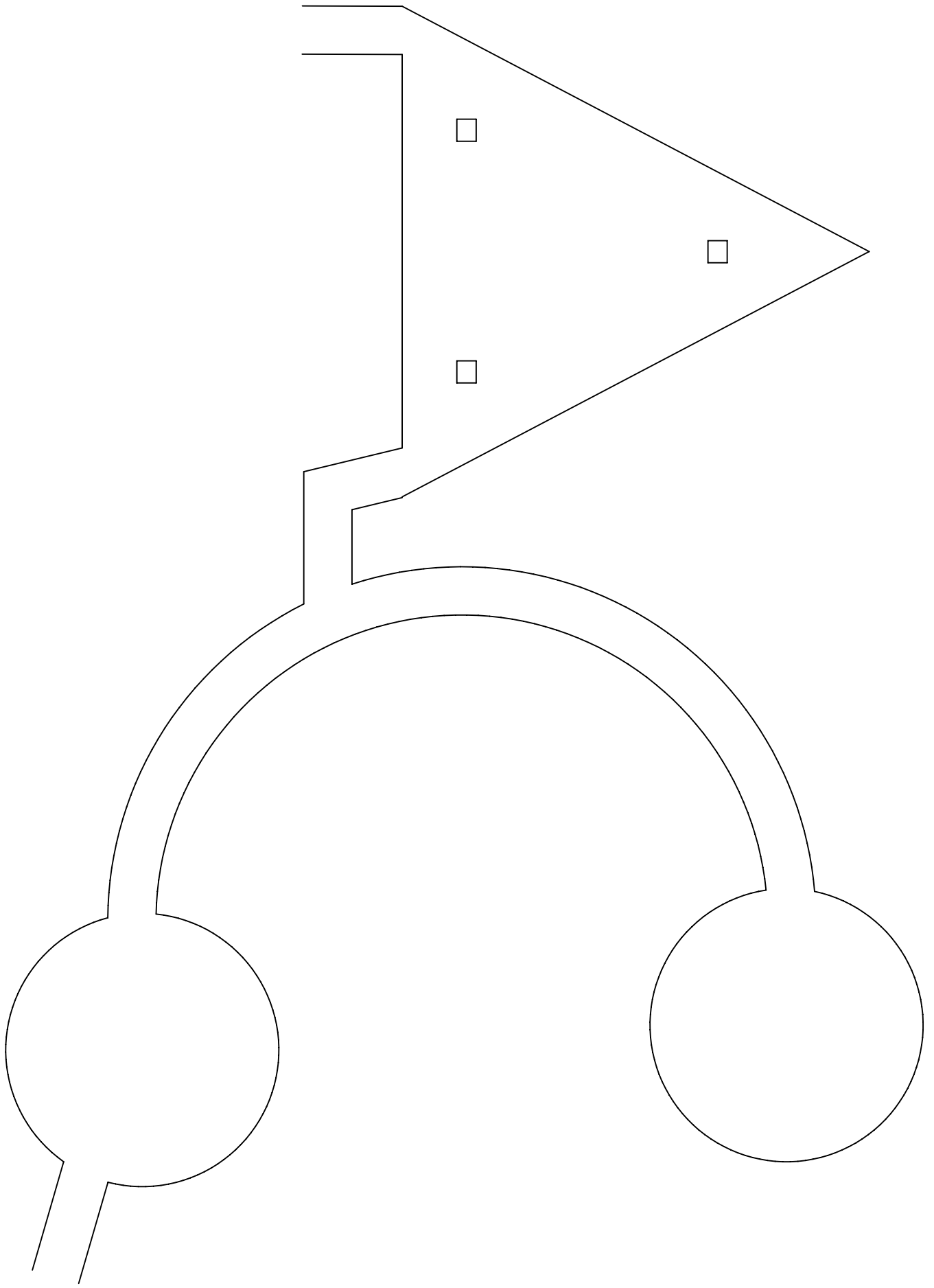
The outer diamond is 57 feet long and 33 feet wide. The inner diamond is 32 feet long and 22 feet wide. Inside the inner diamond is the 18 foot circle. The entrance is 5 feet wide. At the side of the inner diamond the pivot/turn cone in on the outside of the line/offset.

CAS VEGAS
METRO

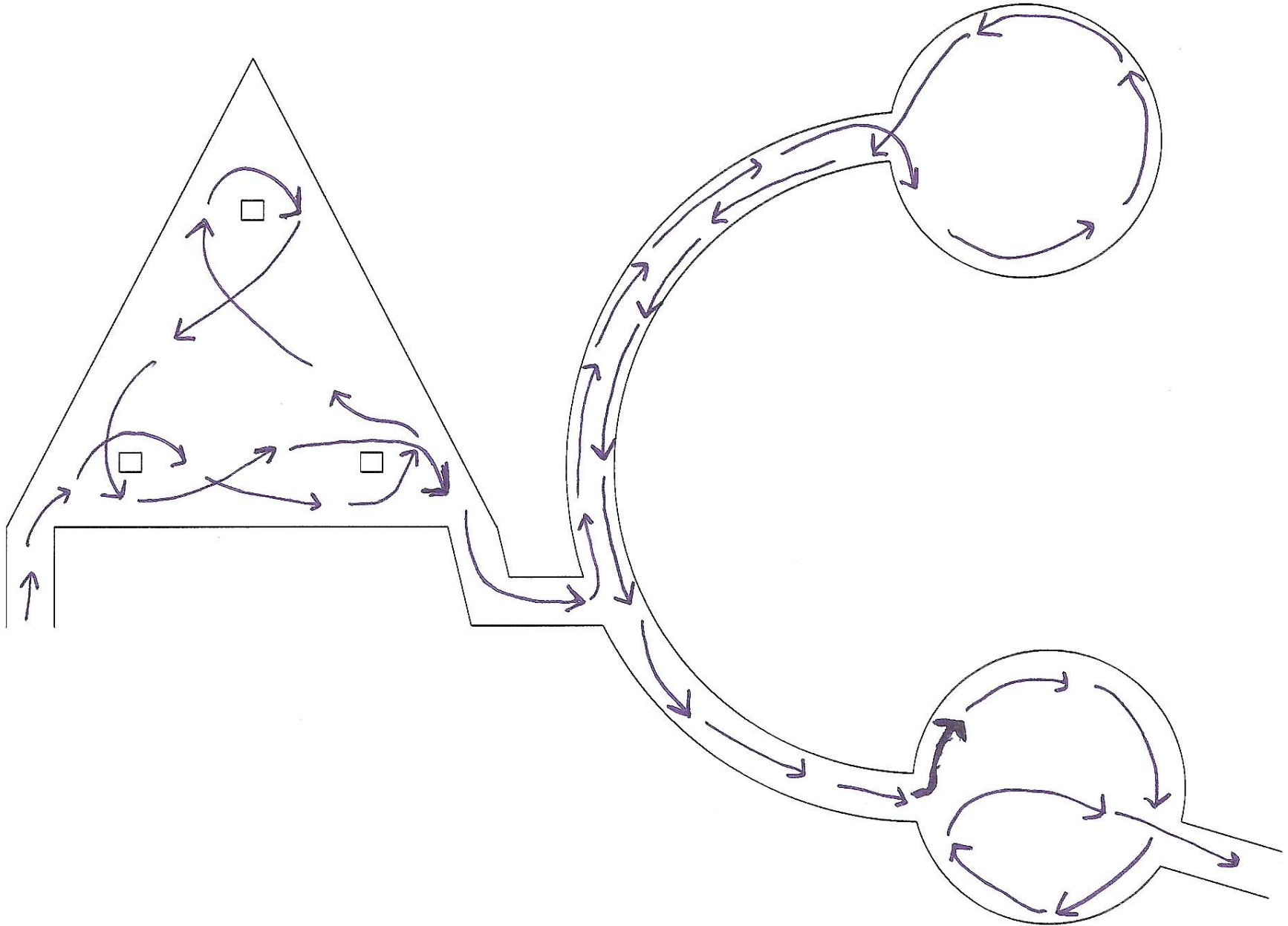
Ace of Spades



Start with 2-18 foot circles side by side. The top is formed from the outer sides of the circles and brought to a point.



The AI Cannon



The AI Cannon Baseline Measurements

	X (Baseline)	Y
A	44'	-11' 5"
B	47' 8"	-3' 9"
C	51' 7"	-3' 5"
D	54' 8"	-9' 0"
E	60' 0"	9' 0"
F	55' 0"	11' 3"
G	70' 8"	25' 6"
H	72' 7"	21' 3"
J	80' 4"	26' 1"
K	75' 8"	-30' 7"
L	75' 8"	-25' 7"
M	84' 7"	-22' 9"
N	86' 0"	-27' 3"
P	95' 2"	-23' 2"
R	52' 8"	0
S	57' 8"	0

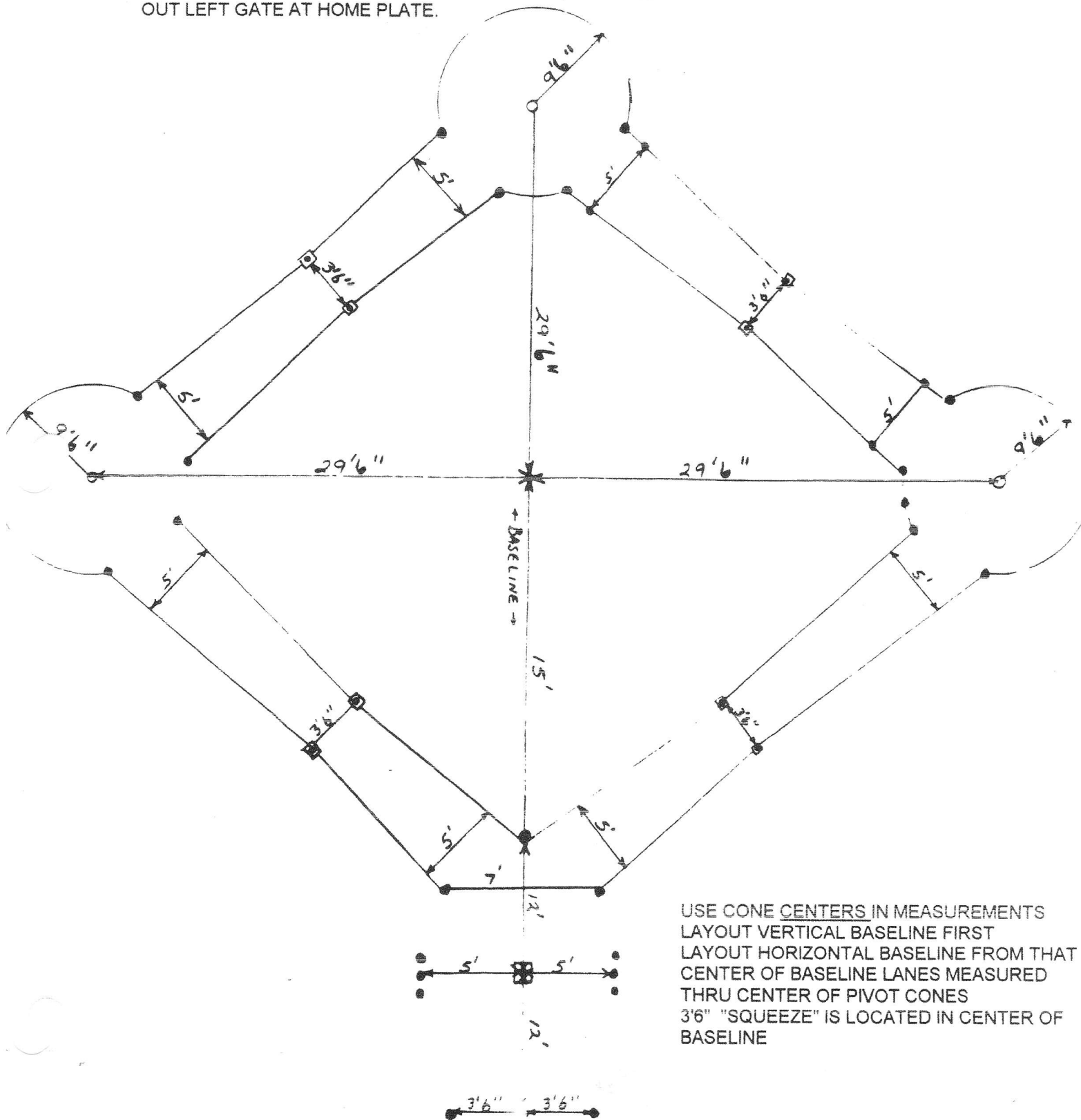
The area between the key cones is to be filled in with cones.

The Measurements are Center Cone to Center Cone

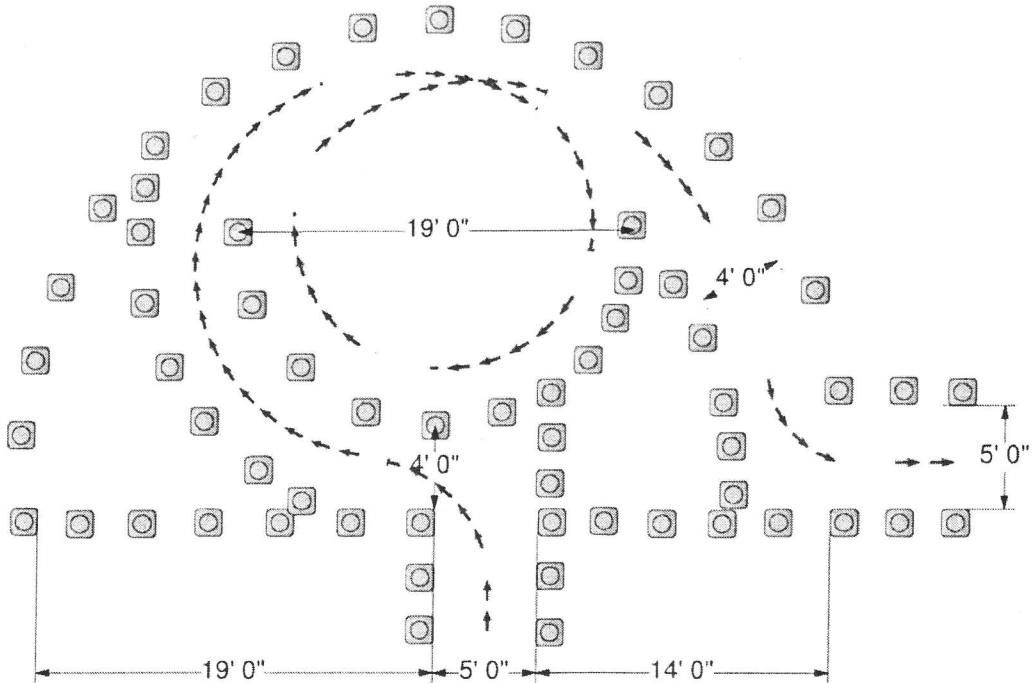
"THE BALLPARK"

COURSE "B"

ENTER EITHER GATE AND WEAVE AROUND CENTER CONE. IF ENTERING ON THE RIGHT GO TO 1ST BASE AND MAKE RIGHT HAND CIRCLE AT EACH BASE, WEAVING OUT LEFT GATE AT HOME PLATE.

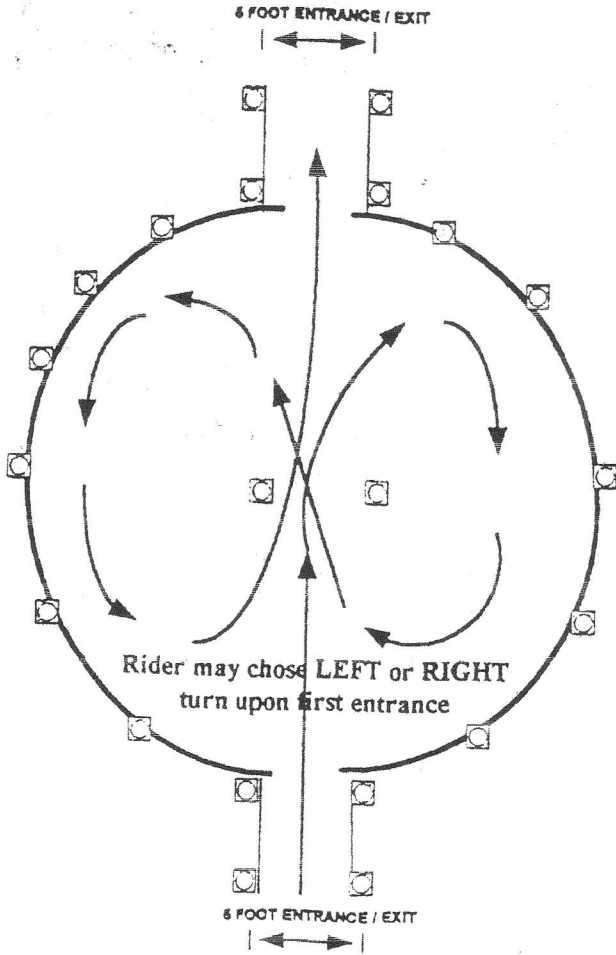


USE CONE CENTERS IN MEASUREMENTS
 LAYOUT VERTICAL BASELINE FIRST
 LAYOUT HORIZONTAL BASELINE FROM THAT
 CENTER OF BASELINE LANES MEASURED
 THRU CENTER OF PIVOT CONES
 3'6" "SQUEEZE" IS LOCATED IN CENTER OF
 BASELINE

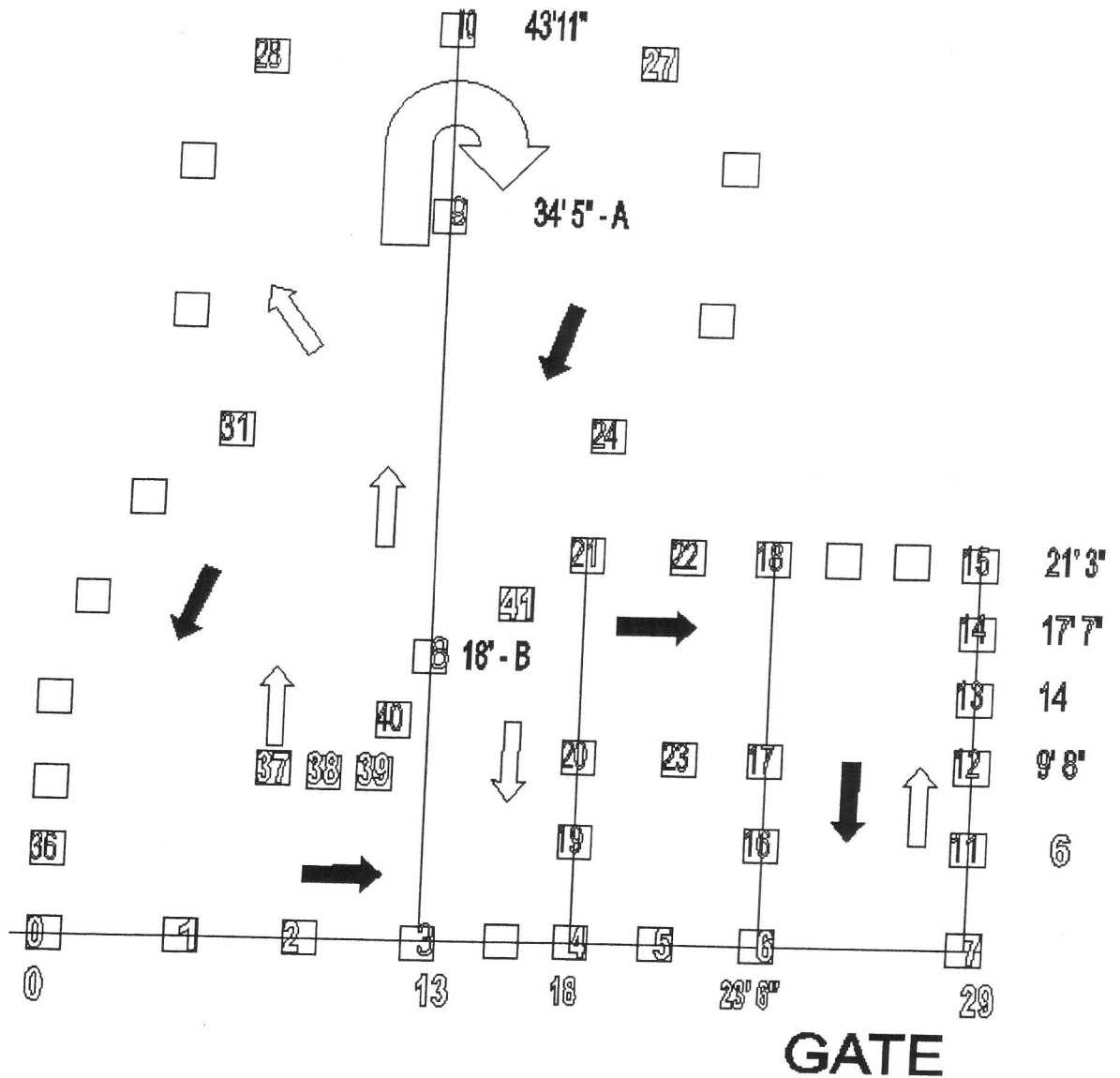


The Beehive

THE BIG "O"



BO'S BACK DOOR



MEASUREMENTS

- 1) Four 50' tapes and 42 cones are required to complete this pattern. Measurements are center to center.
- 2) Place base line (#1) at bottom of pattern and mark "0" with a nail. Extend tape to 30'.
- 3) Place center line (#2) at the 13' mark of base line. Square the two lines.
- 4) Once lines are square, mark the following:

BASE:

0, 4', 8', 13', 18', 20'9", 23'6" and 29'

CENTER:

18" (cone B), 34'5" (cone A) and 43' 11" (cone 10)

5) Place riser line (#3-outside gate) at the 29 mark. Square with base and center then mark:

6', 9' 8", 14', 17'7", and 21'3"

6) Place rise line (#4-inside gate) at the 23'6" mark and square with base and center, the mark:

6', 9'8", and 21'3"

7) Place final rise line (#5) at the 18' mark, square then mark:

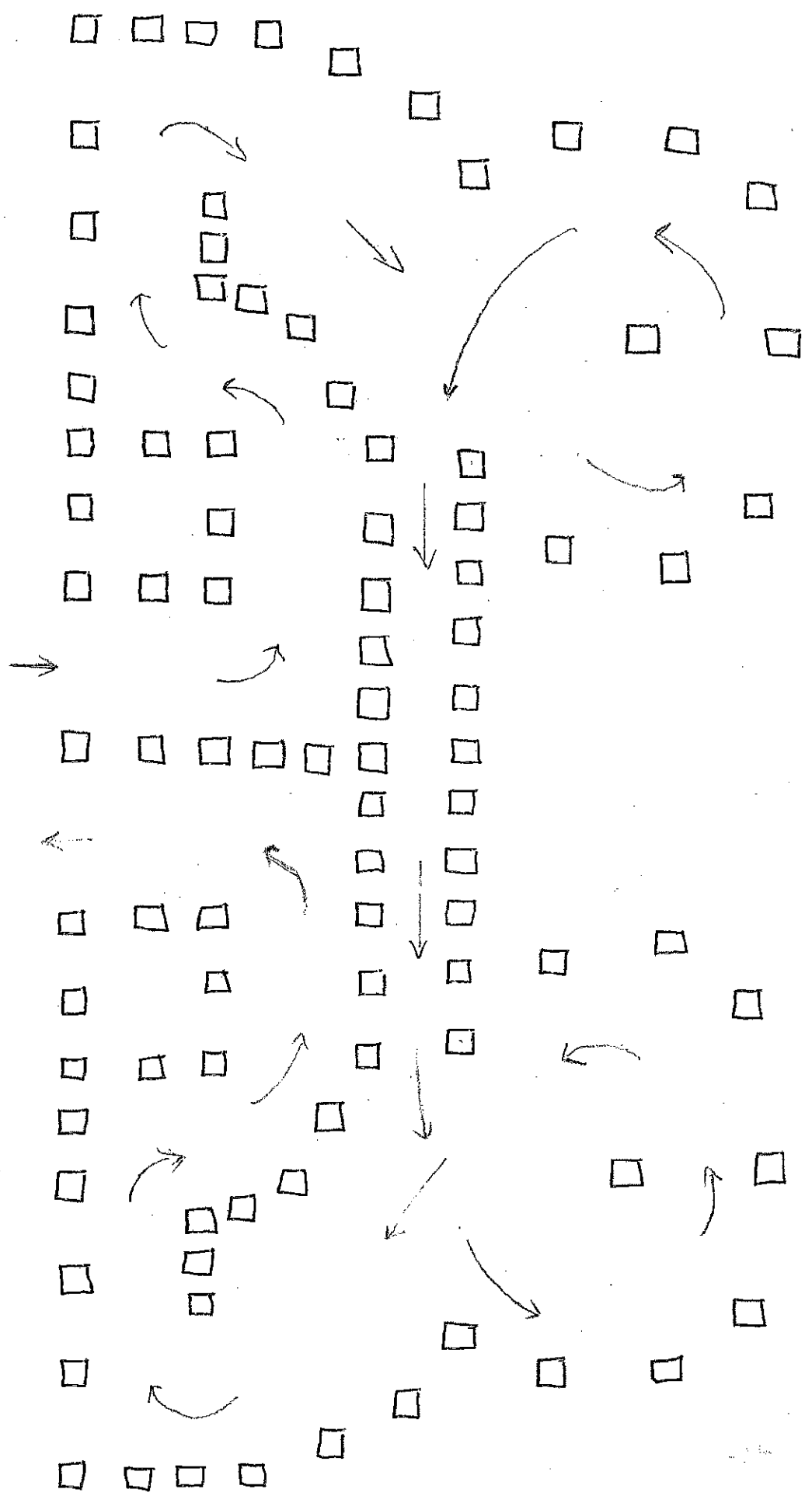
6', 9'8" and 21'3"

8) The remainder of the measurements are triangulated from Cone A & B located on the center line. Mark "0" of each tape with a nail and begin with cone #24 and travel counter clockwise.

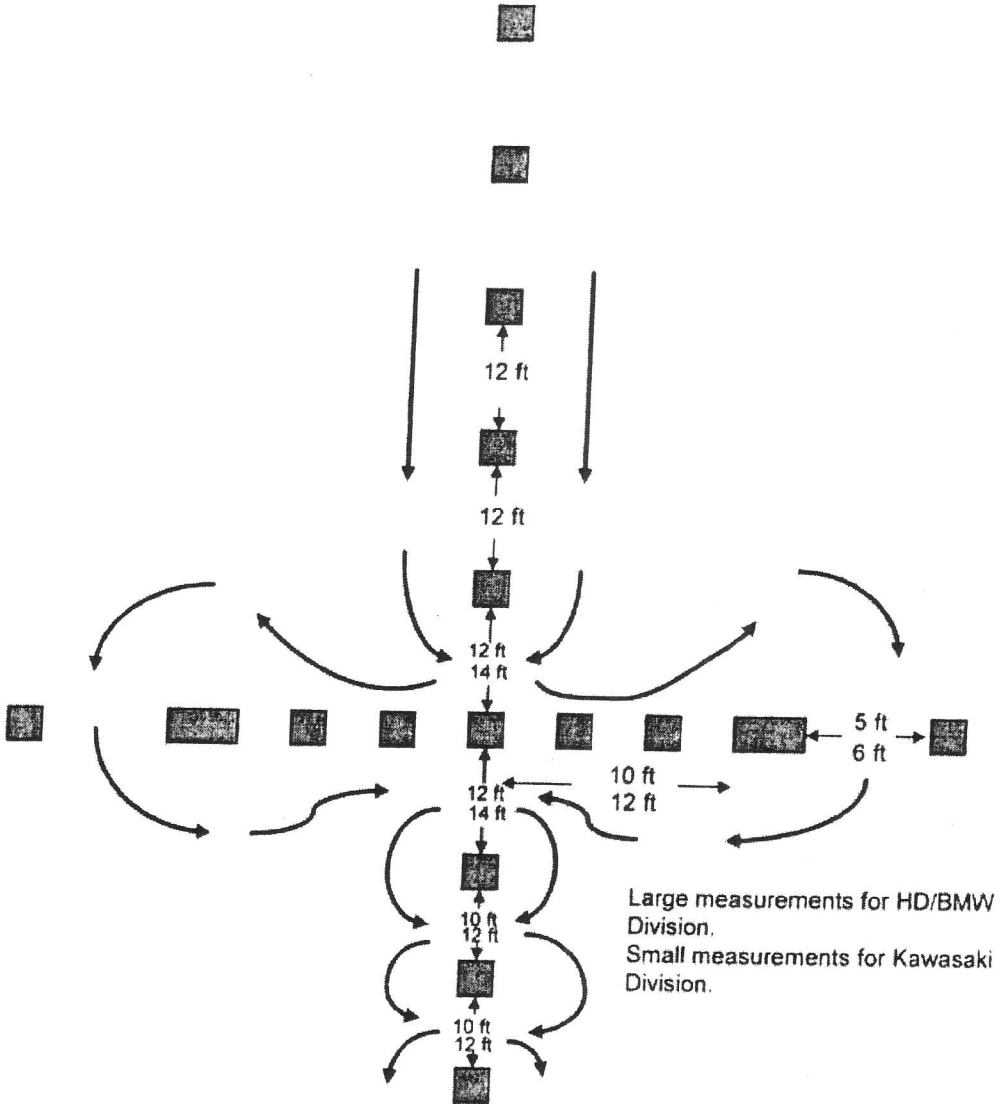
Cone #	A	B
24	9'6"	9'4"
25	9'6"	18'
26	9'6"	23' 11"
27	9'6"	26'
28	9'6"	24'9"
29	9'6"	20'4"
30	9'6"	15'7"
31	9'6"	10'4"
32	14'5"	9'5"
33	20'	11'
34	24'10"	13'8"
35	29'9"	16'11"
36	33'5"	19'4"
37	25'3"	10'3"
38	24'8"	9'3"
39	24'3"	8'2"
40	20'6"	4'2"
41	14'2"	3'9"

93 cones

Boys Back Yard



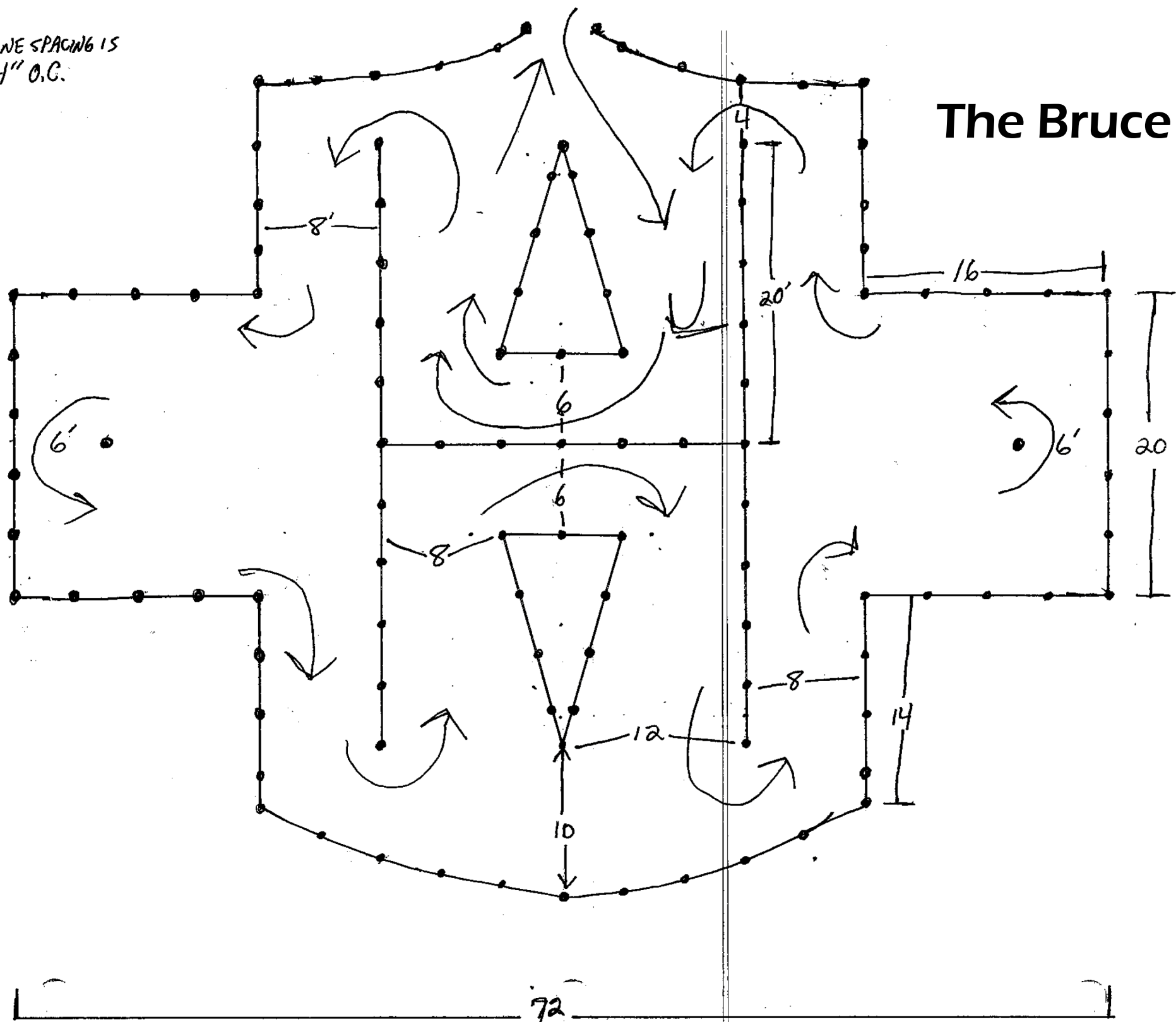
Brake and Evade



CONCRETE SPACING IS
24" O.C.

2" E L BOX

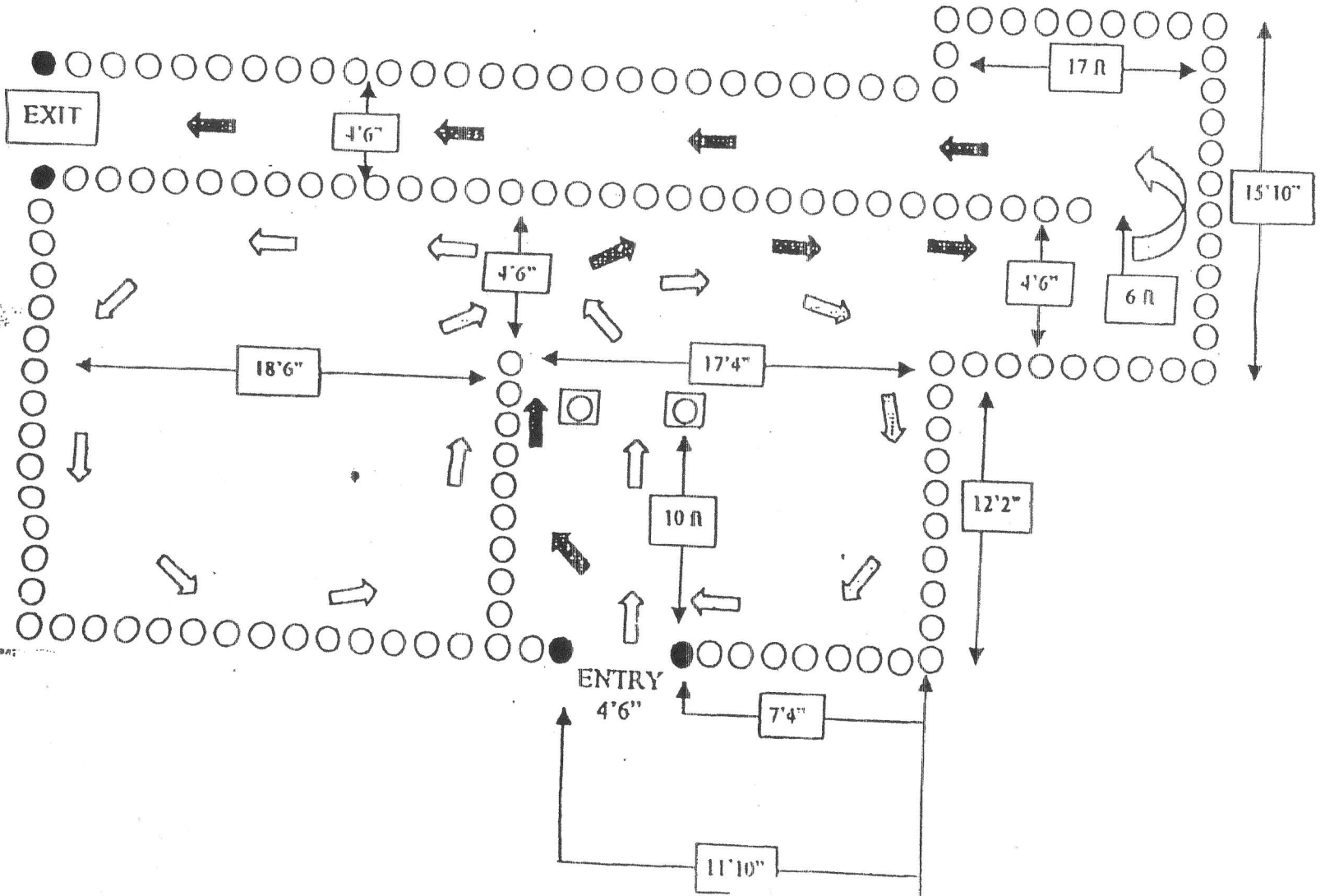
58'



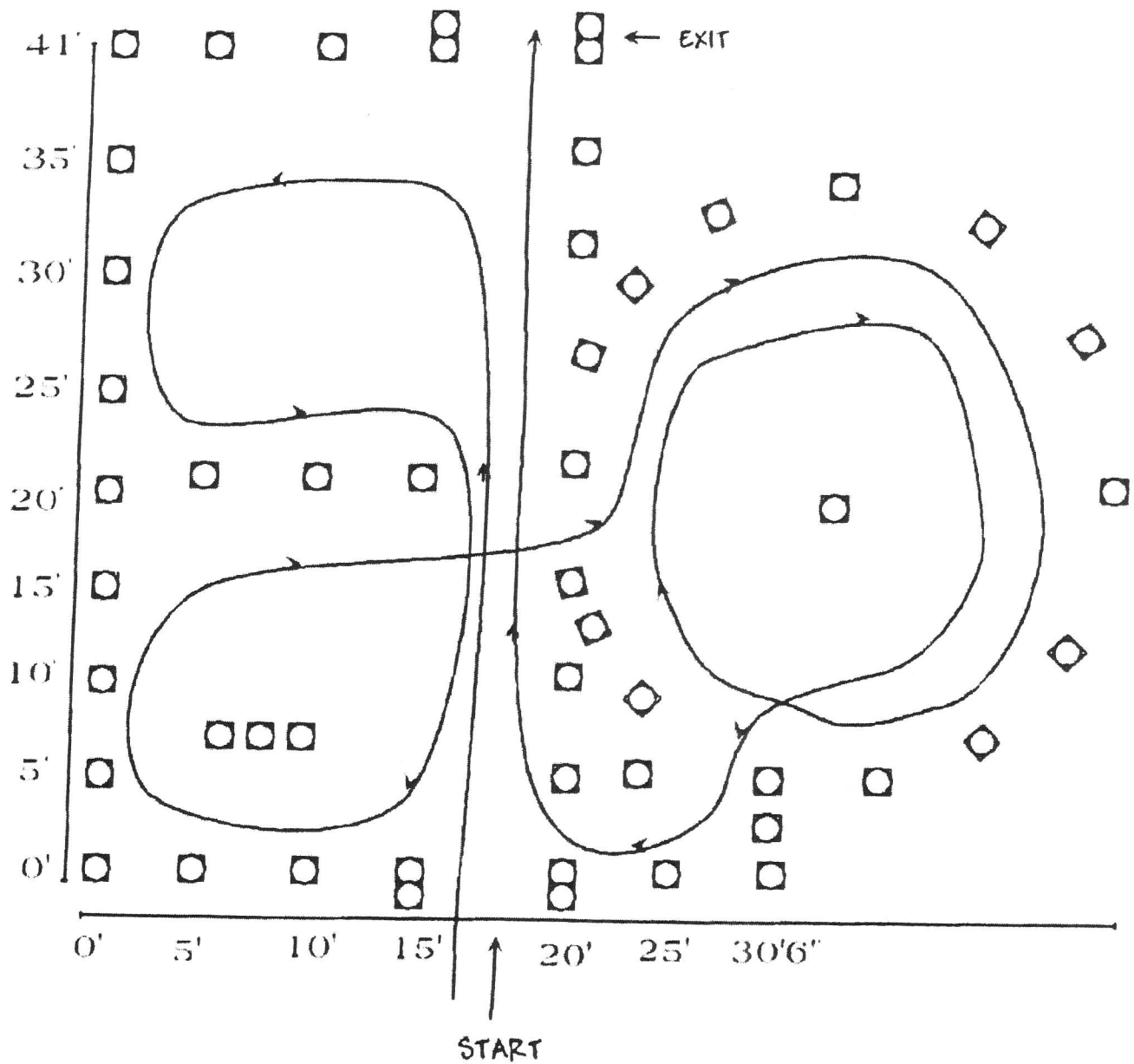
The Bruce

72

The Cajun Craze



THE COOPER



All Measurements are to the Center of the Cone
Not drawn to scale

Place a nail where the course is to begin, this is the 0' mark. Measure from this point out 41' and mark this point. At a right angle to the 0' mark measure 30'6", these are your baselines.

On the 41' baseline make a mark at 5', 10', 15', 20', 25', 30', 35', and 41'

On the 30'6" baseline make a mark at 5', 10', 15', 20', 25', and 30'6"

From the baselines make the following marks using the triangle method.

41' Baseline 30'6" Baseline

3'5" 30'

5' 20'

5'6" 25'

5' 30'

7'6" 6', 9', 10' 12'

10' 20'

15' 20'

20' 4', 9', 14'

21' 20'

26' 20'

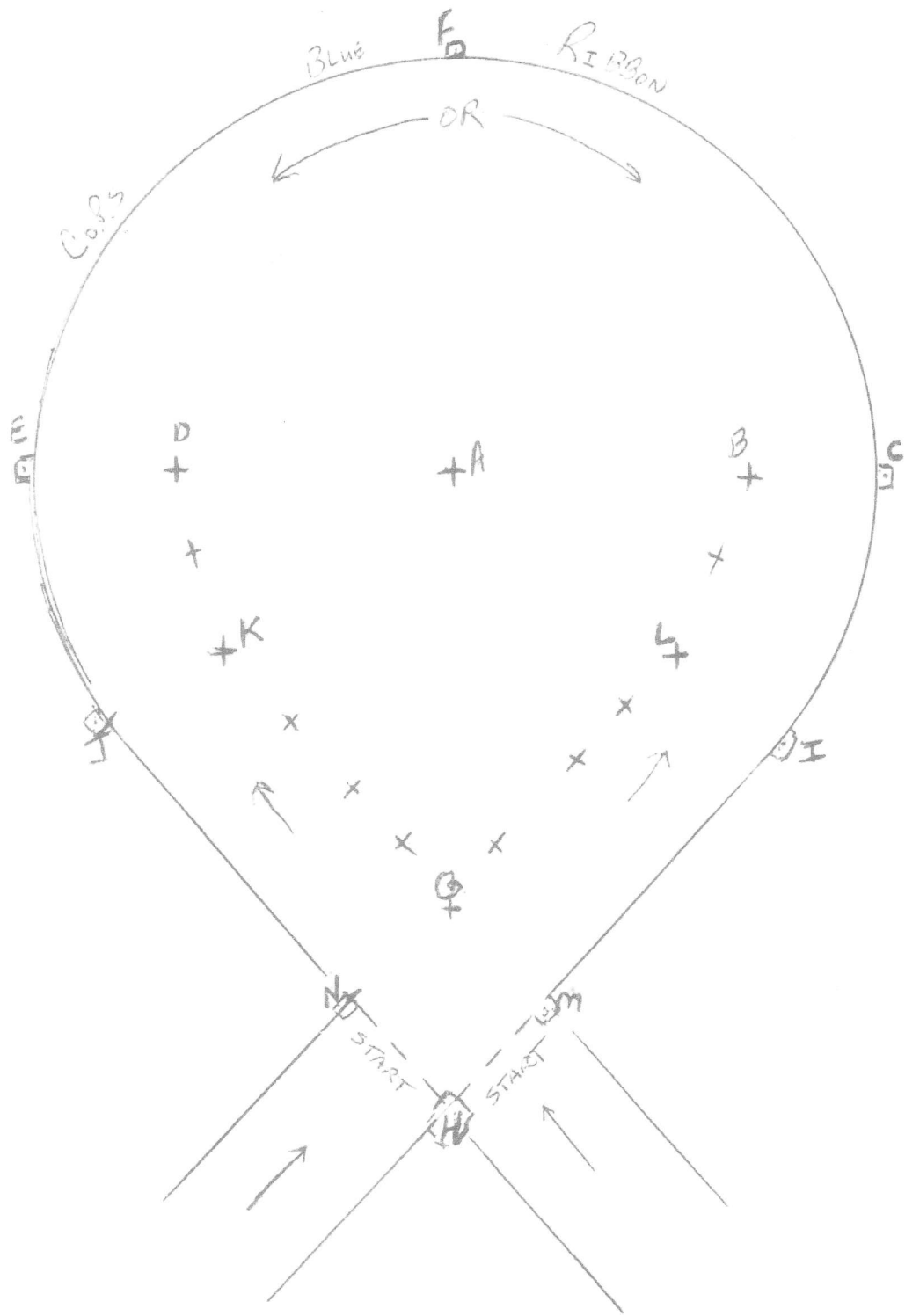
31' 20'

36' 20'

41' 4', 9', 15'6", 20'

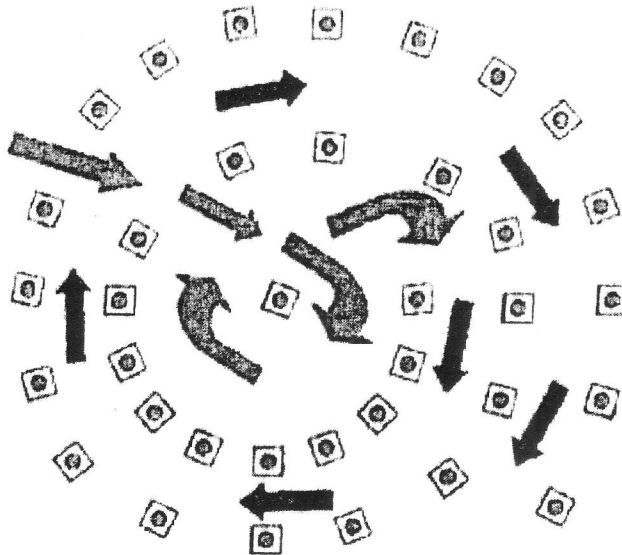
To Form Circle:

Pull a tape from the 18' mark of the 41' baseline and from the 30' mark of the 30'6" baseline. Place a mark where these two tapes cross. Using the center mark for the circle as a pivot pull a tape 10'. Starting at the mark that is at the 15'5" on the 41' baseline and 20' on the 30'6" baseline move counter clockwise and make a mark 2'2", from that mark move 2'8", from that mark move 3", from that mark move 5", continue making marks at 3 foot intervals until circle is complete. Distance of final cones will be less than 3'.



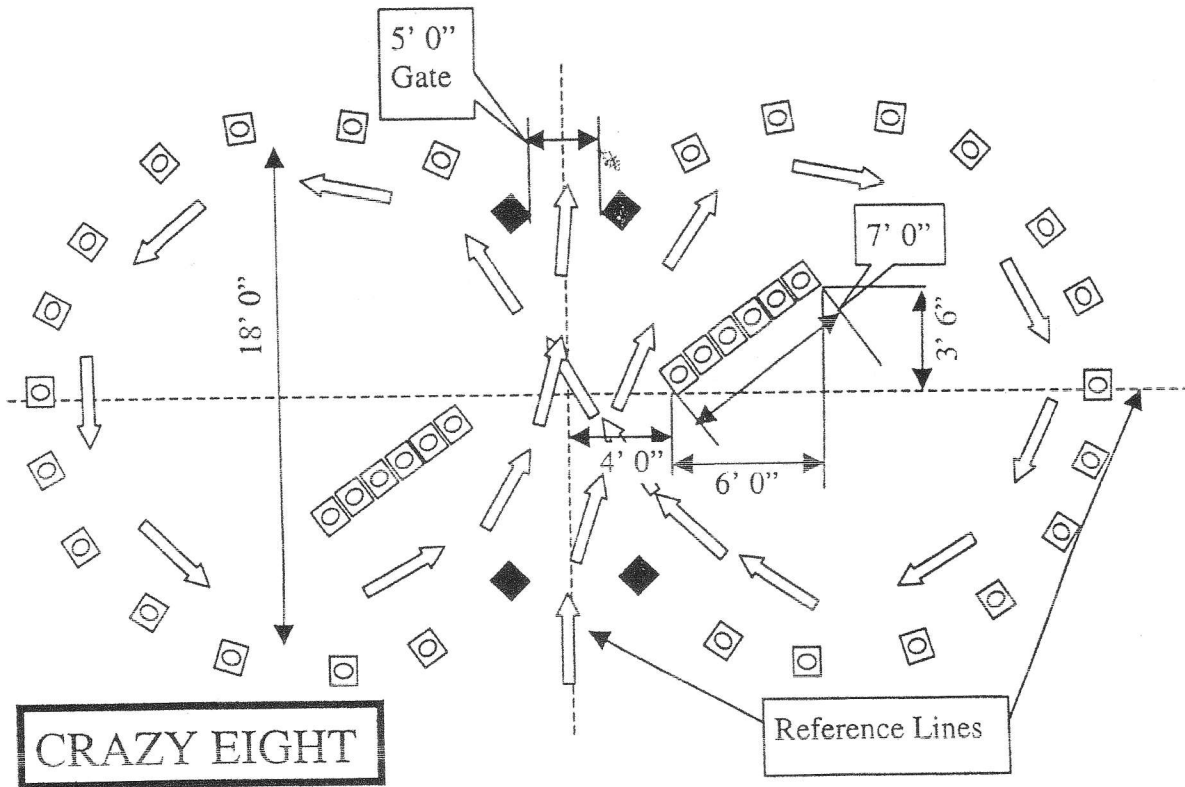
- 1) A-F = 10'8" A-ON CENTER F-INSIDE BASE
- 2) A-E = 10'0" " " " " " " " "
- 3) A-C = 10'8" " " " " " " " "
- 4) A-B = 13'2" CENTER TO CENTER
- 5) E-C = 21' BASE TO BASE
- 6) A-K = 6'3" CENTER TO CENTER
- 7) E-K = 8'5" " " " " " "
- 8) A-L = 6'3" " " " " " "
- 9) C-L = 8'5" " " " " " "
- 10) B-H = 12'2" " " " " " "
- 11) H-M = 5'11" CENTER TO CENTER
- 12) H-N = 5'11" " " " " " "

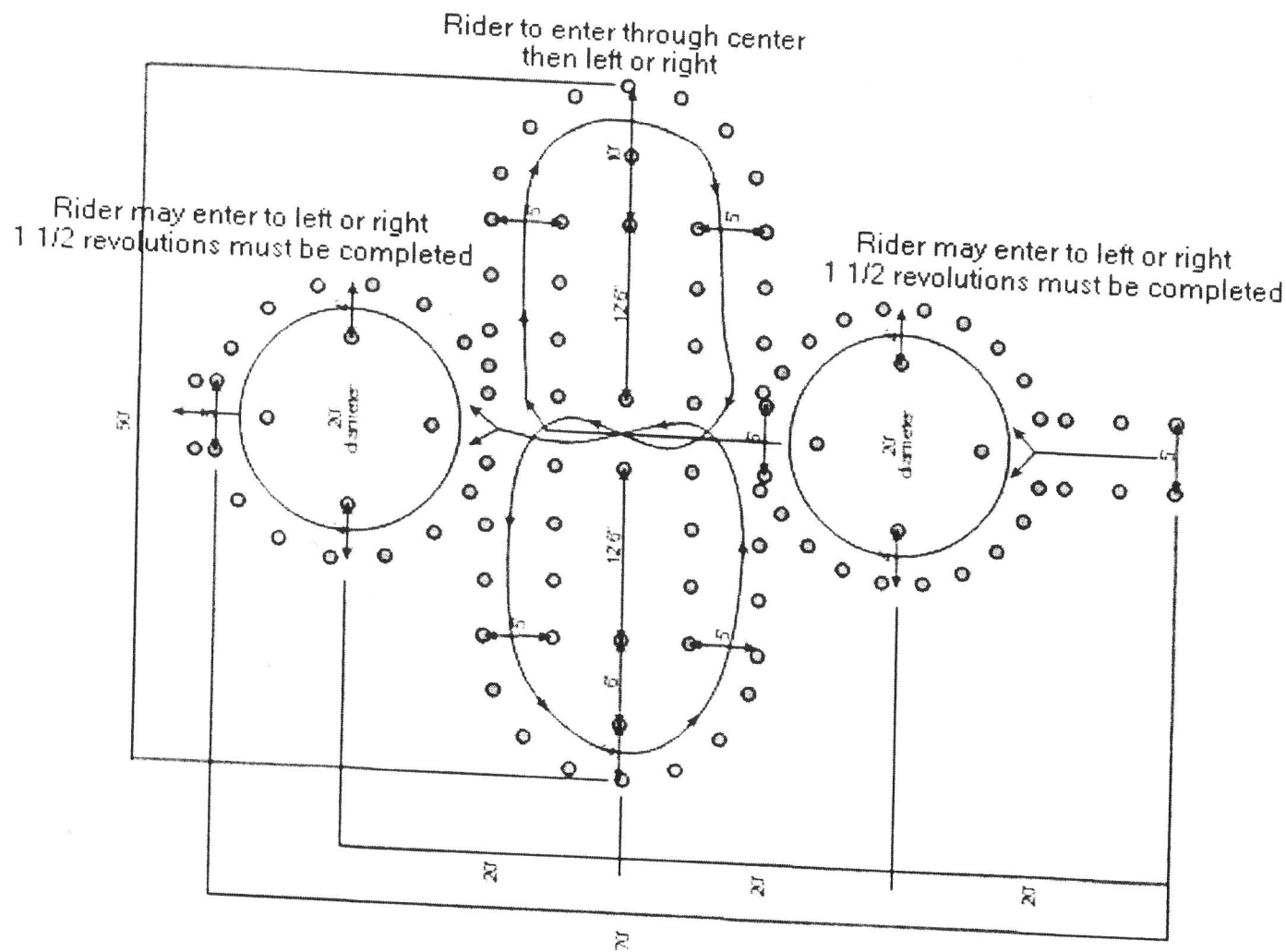
Coriolis



Tools: Two 50 foot tapes.
Marking paint
One hammer
Two nails to hold tapes in place
Three people

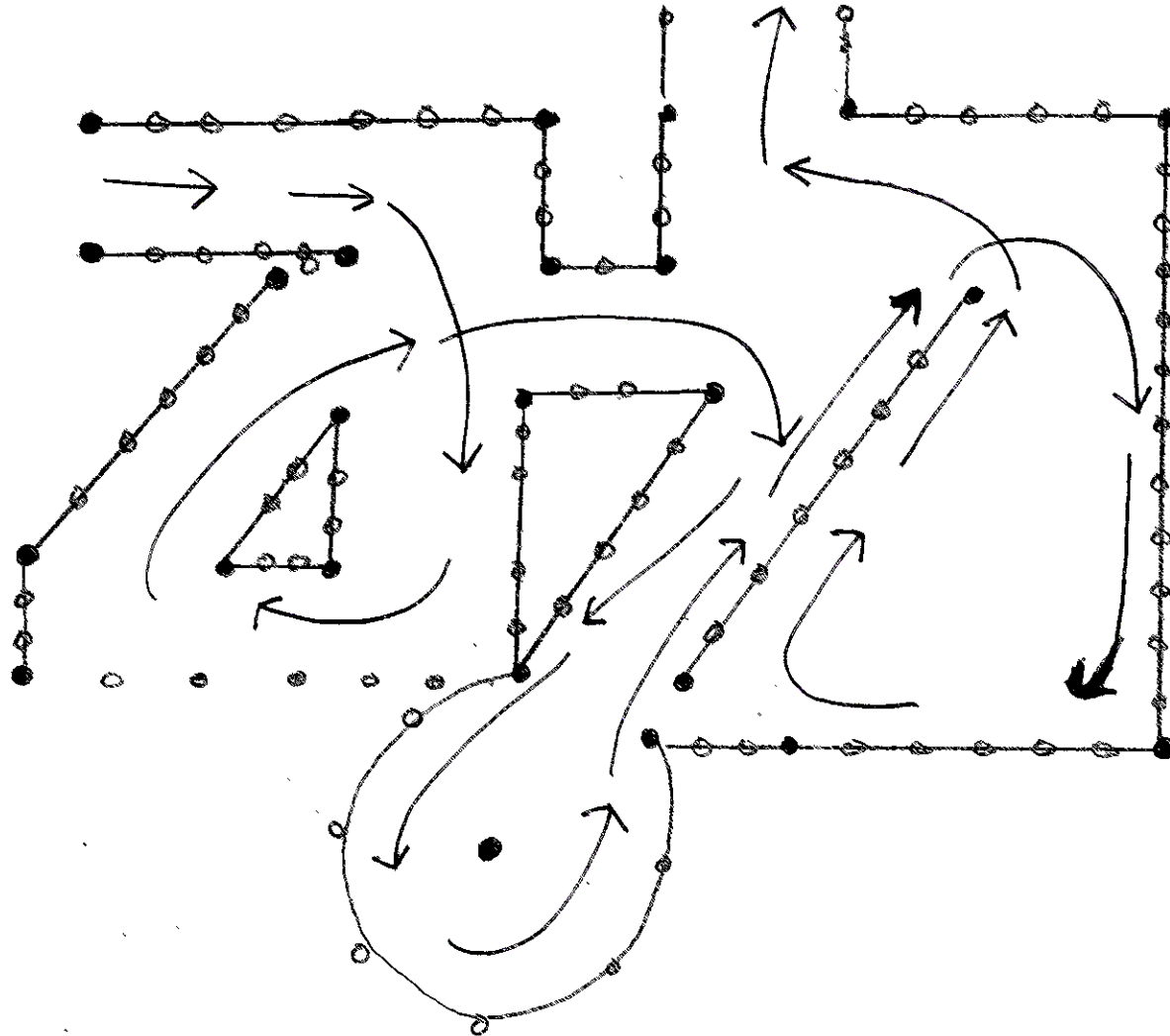
First: Mark your riser line. Place one of the fifty-foot tapes on the ground and measure up 33 feet. From your zero point A (A will be zero on the tape measure) measure up 3'10" mark that point. Next measure up from the zero point A 13'2" this will be your B cone mark that point. From A measure up 22'7" mark that point. Next from A measure up 27'4" mark that point. Last from A measure up 31'3" mark that point.



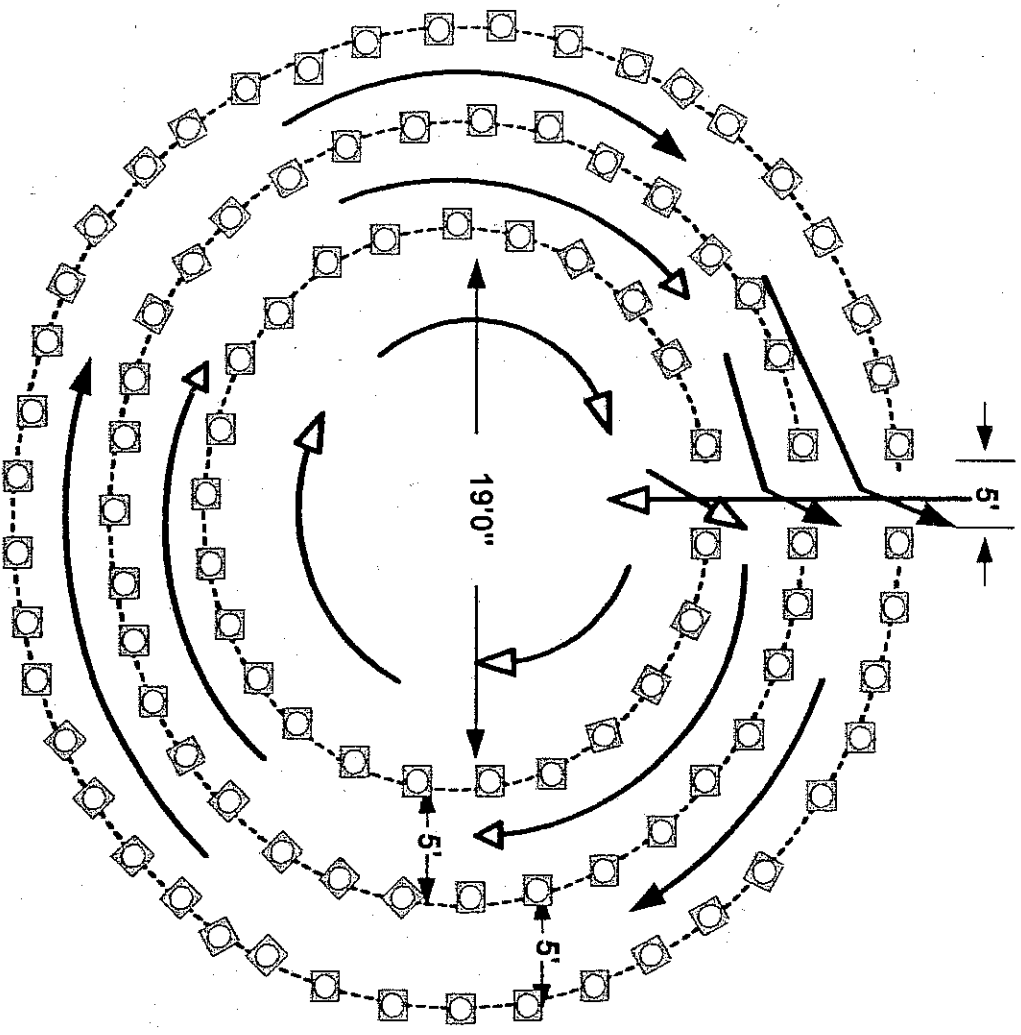


DA ROUGE

"EL DIABLO"



EYE OF THE STORM



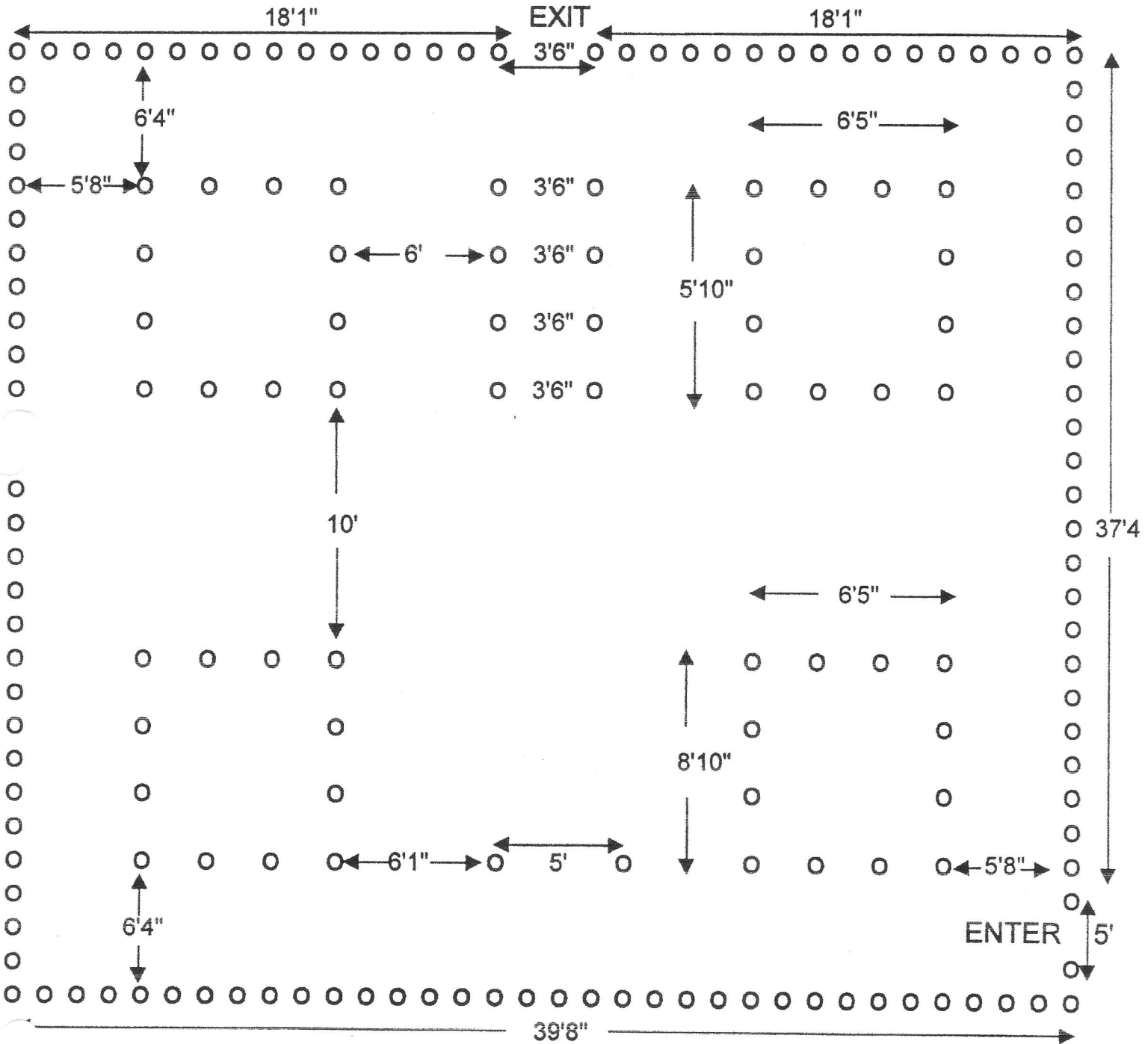
NOT DRAWN TO SCALE

CIRCLES MAY BE ENTERED FROM EITHER DIRECTION
MEASUREMENTS ARE FROM BASE TO BASE ON CONES

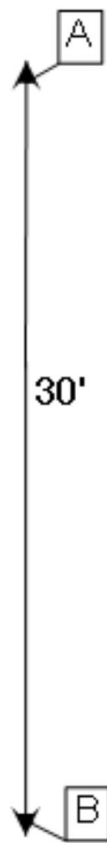
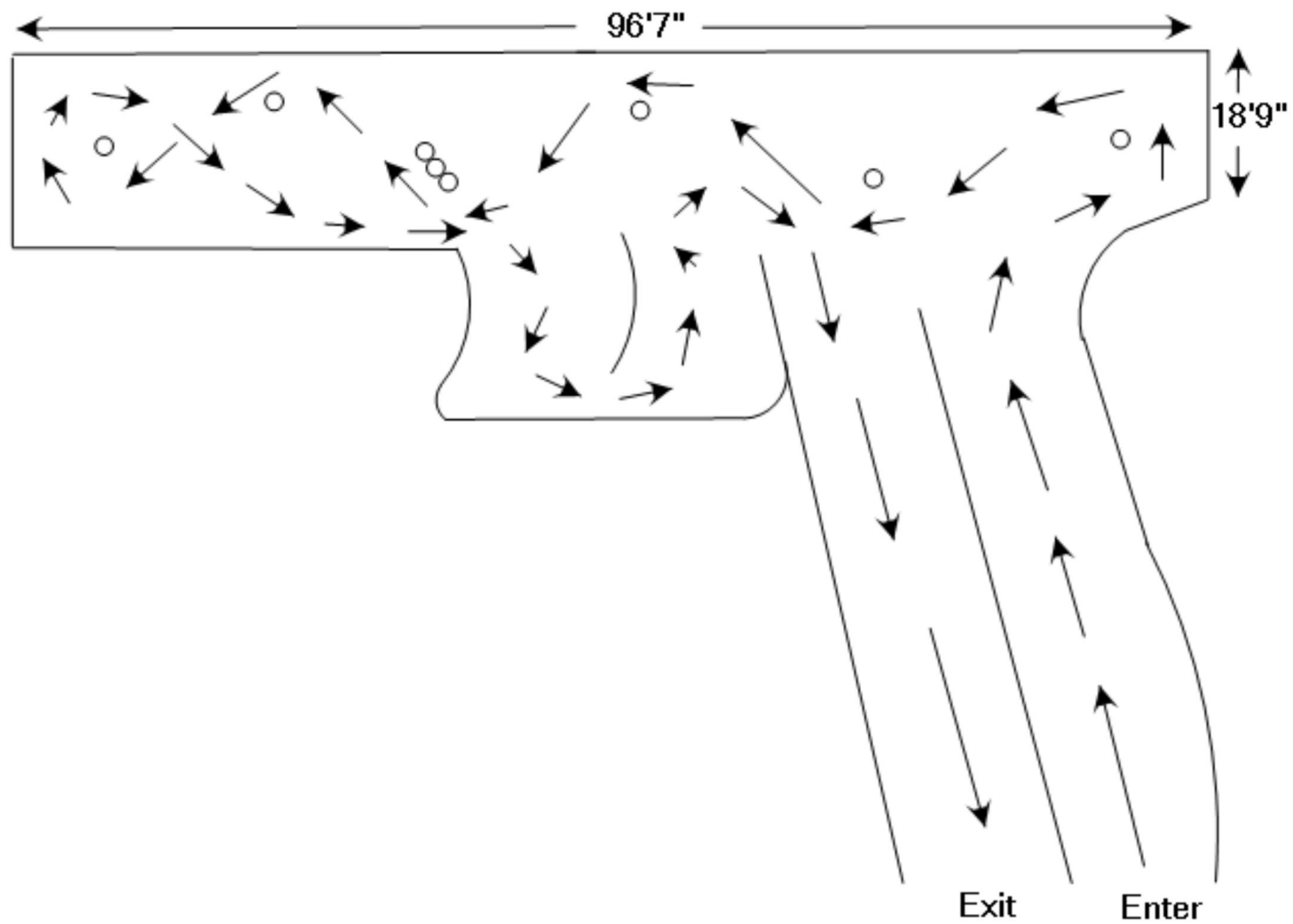
30'

THE FRENCH QUARTER TOUR LARGE TRACK

REVISED 7/28/99



The Glock



Glock Course Measurements

These measurements are done by triangulation with a 30' baseline for A and B

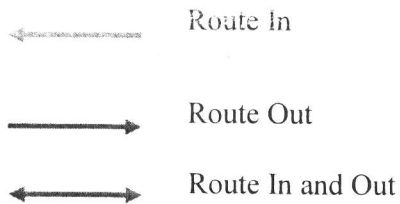
A
45' 9"
43' 2 1/2"
40'
37' 9"
36' 6"
35' 4"
35'
35' 1"
35' 6"
35' 7 1/2"
35' 11"
34' 8"
19' 9"
23' 4"
28' 11"
42' 7"
41' 7"
49' 9"
53' 4"
49' 9"
48' 9"
49'
50' 7"
51' 9"
51' 5"
72' 11"
71' 1"
69' 1"
67' 9"
67' 2"
66' 10"
66' 10"
60' 3"
60' 1"
59' 10"
59' 11"
60'
59' 4"

B
22' 5 1/2"
21' 8"
21' 3 1/2"
22' 7"
24' 1"
26' 6"
30' 5"
34' 2"
37' 3"
39' 6"
42'
42' 5"
31' 9"
47' 3"
45'
53'
45' 9"
30' 1"
35' 8"
55' 8"
51' 8"
50' 4"
49' 6"
48' 8"
46' 6"
69' 6"
68' 10"
68' 4"
69' 1"
70' 1"
71' 3"
60' 4"
60' 9"
61' 6"
62' 7"
63' 11"
65'
69' 7"

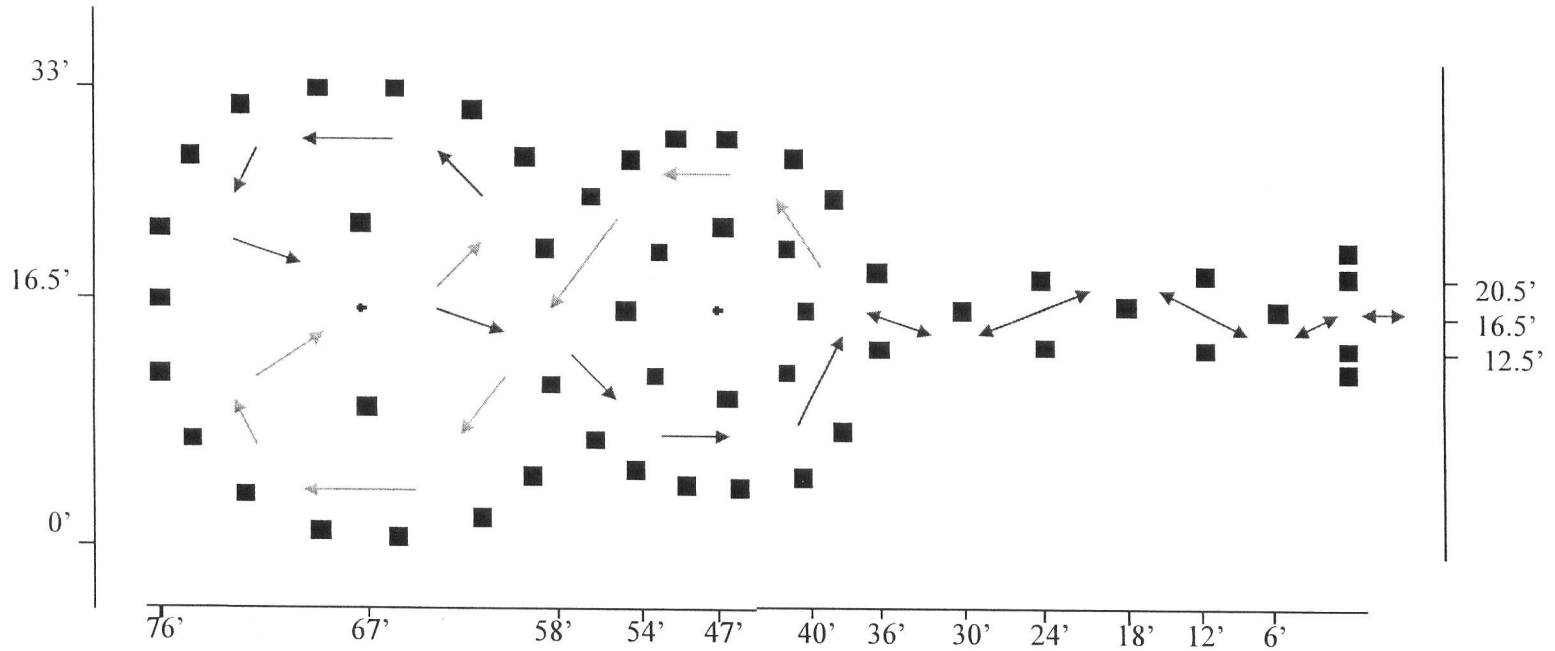
A
74' 11"
90' 1"
106'
115'
115' 6"

B
81' 4"
98'
111' 3"
117' 6"
112' 8"

These are key cone measurements, all straight lines should be filled in.



GUITAR



1. Pull a 76' straight line
2. Mark the 6', 18', 30', 40', 54', and 76' cones on the line
3. Mark the 47' radius point and the 67' reference point
4. Measure out a 7' and 11' radius circle from the 47' radius point
5. From the 67' reference point, measure above and below 7.5' for each cone
6. From the above cone, measure out a 9' radius half circle and repeat for the below cone
7. Main entry gate is 8' wide (4' off both sides of the center line)
8. The gate going into the first circle is 8' wide (4' off both sides of the center line)
9. The gate going into the figure eight is 9' wide (4.5' off both sides of the center line)
10. Measurements are center of cone.

The Hangman

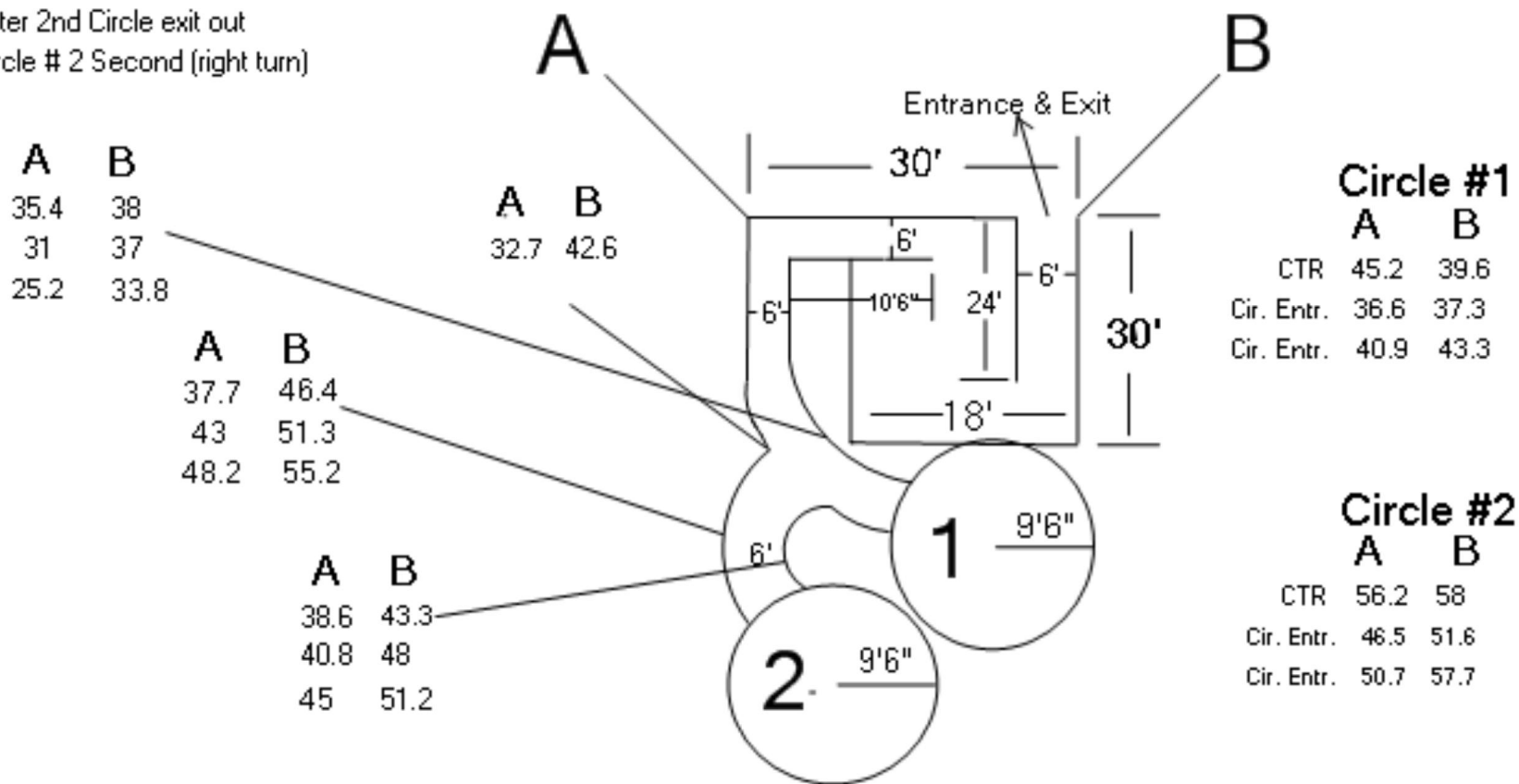
All measurements are to ctr of cones

Enter Gate and follow box to circles

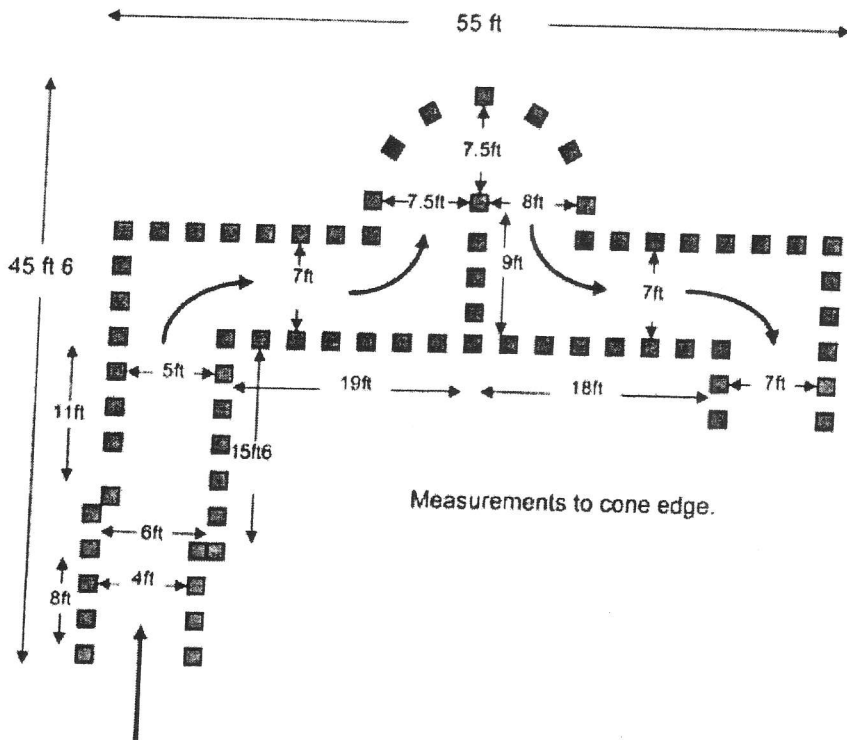
Circle # 1 First (left turn)

After 2nd Circle exit out

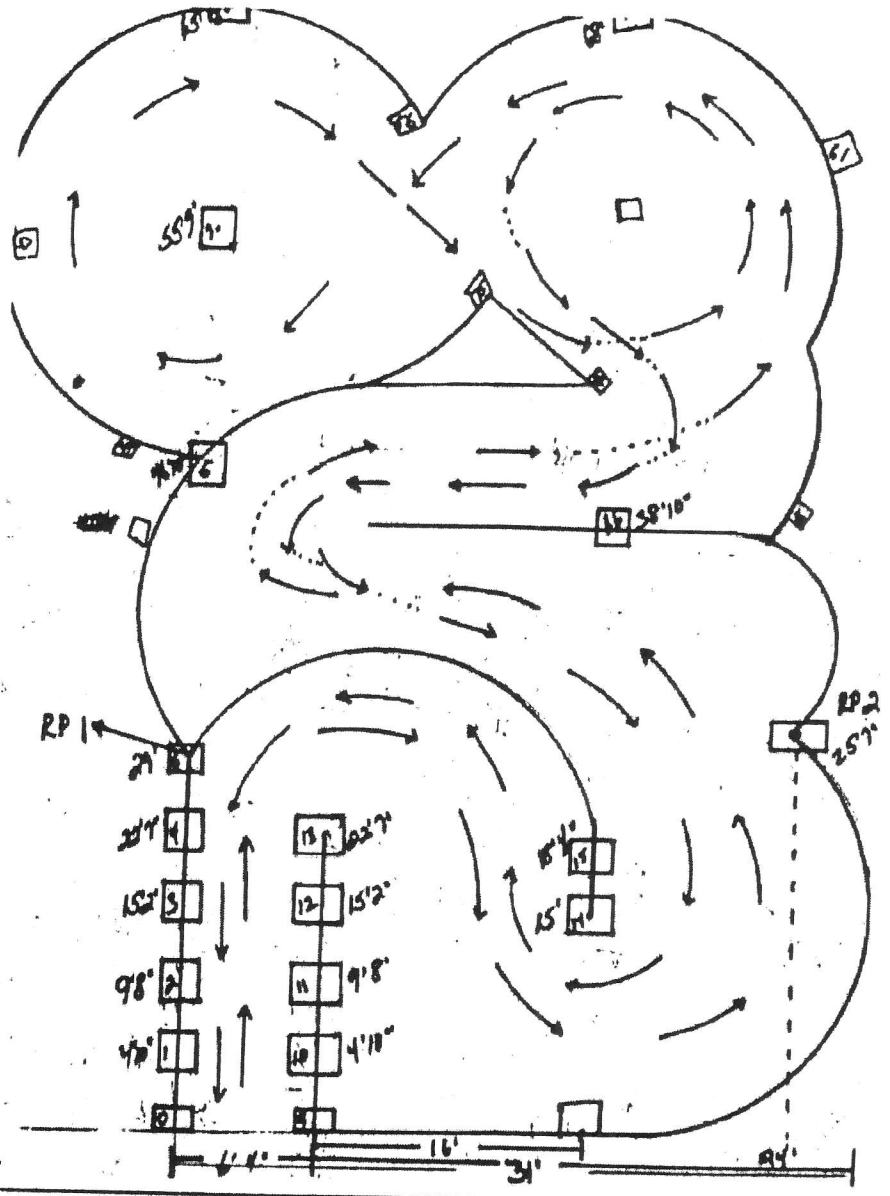
Circle # 2 Second (right turn)



HARP

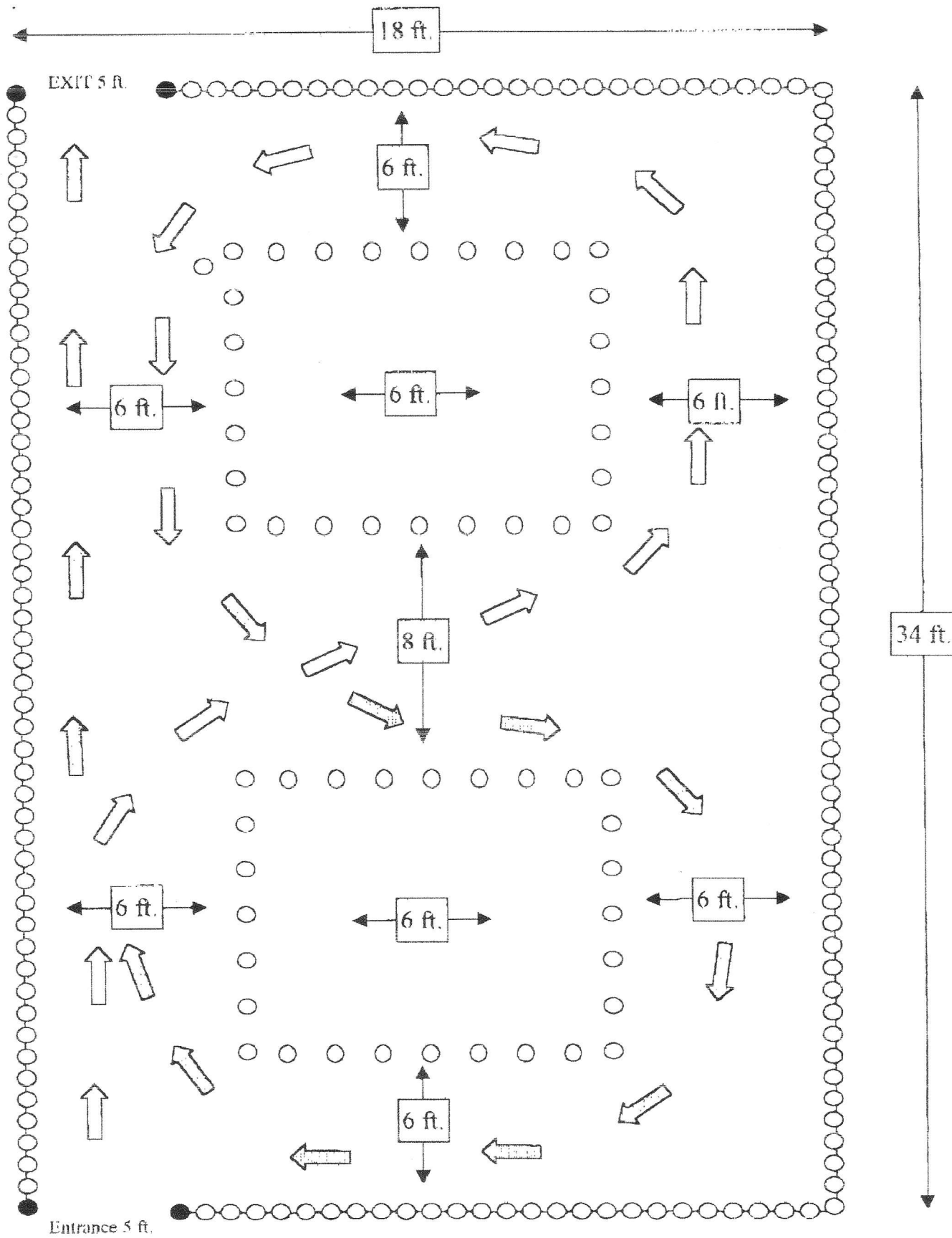


The Hell's Kitchen



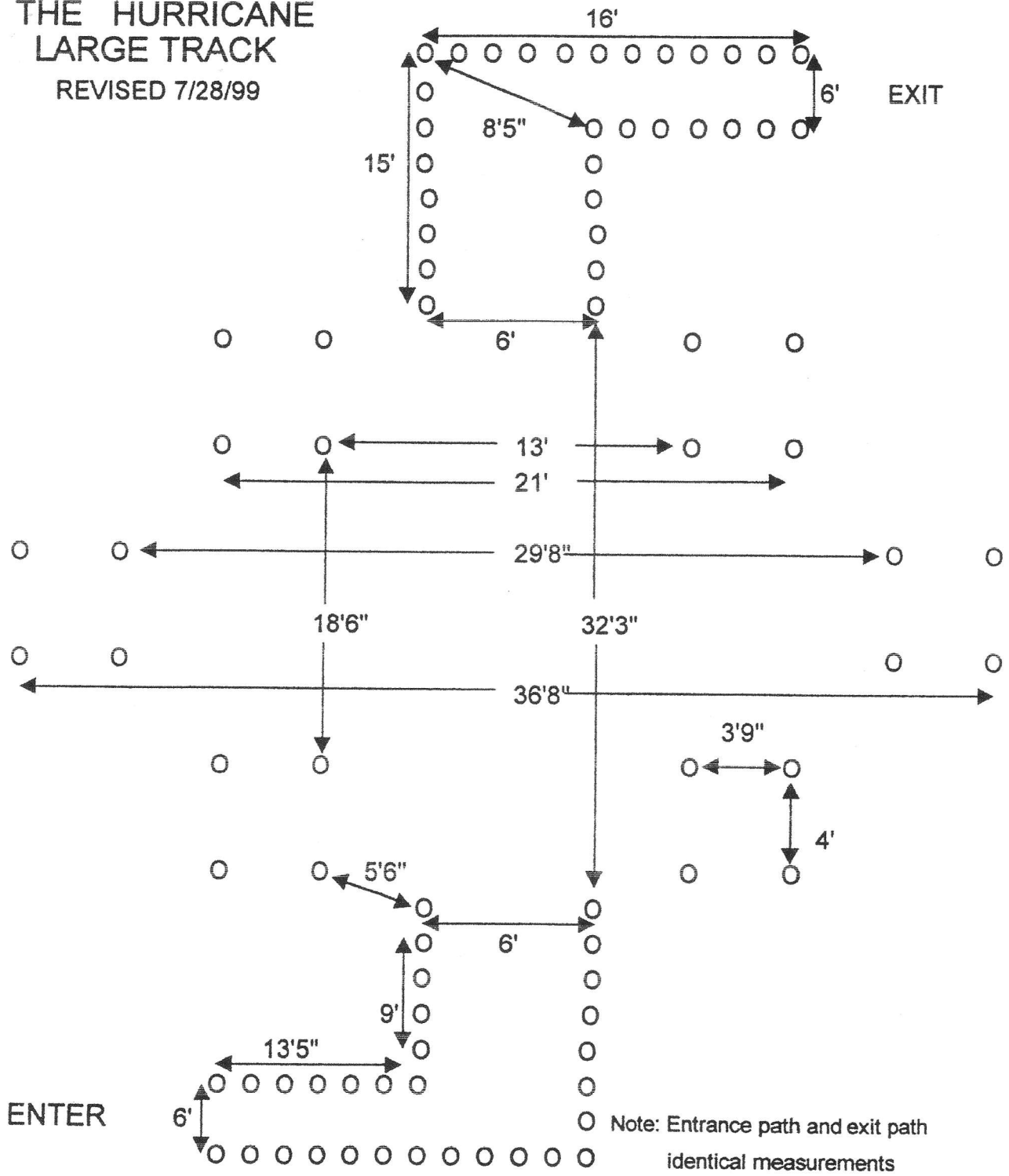
- Start with Cone # 0 from there you will pull a line 31' across base of exercise
- From Cone # 0 you will then pull a line 90 degrees upward to 65'
- At your base line from Cone # 0 go 6' 4" and make your entrance and exit gate
- From Cone # 0 along base mark 16' and again at 24'
- From your 24' mark go 90 degrees upward to 25' 7". This is your Reference Point 2
- From Cone # 0 upwards your 65' line go 29'. This will be your Reference Point 1
- Use attached diagram to make triangulations from Reference Point 1 and Reference Point 2 to mark cones

Reference Point 1	Reference Point 2	Cone Number
25' 1"	2' 2"	25
25' 7"	5'	29
27' 6"	8' 11"	30
28' 4"	12' 7"	31
24' 1"	13' 3"	32
19' 10"	13' 10"	33
17'	14' 6"	34
15' 7"	16'	35
13' 7"	17' 5"	36
11' 8"	19' 1"	37
9' 5"	21' 7"	38
17' 11"	9'	27
14' 10"	11' 10"	39
12'	14'	40
0'	16' 1"	41
4' 11"	18' 4"	42
4' 1"	28' 3"	43
9' 2"	33' 3"	44
14'	37' 5"	45
16' 6"	38'	46
16' 9"	35'	47
19' 7"	38' 3"	48
21'	39' 10"	49
24' 9"	43' 5"	50
29' 4"	47' 5"	51
33' 2"	49' 4"	52
35' 5"	49' 10"	53
36' 9"	48'	54
34'	43' 8"	55
30' 4"	38' 7"	56
33'	40' 2"	57
37' 11"	42' 0"	58
40' 3"	42' 6"	59
41' 1"	39' 11"	60
37' 3"	34' 1"	61
32' 2"	27' 5"	62
28' 8"	24' 2"	63
26' 8"	19'	64
23' 9"	16' 7"	65
21'	15' 8"	66
19' 9"	13' 11"	67
17' 10"	14' 9"	68
15' 6"	16'	69
13' 7"	17' 5"	70
13' 9"	19' 1"	71
9' 5"	21' 7"	72
21' 3"	27'	73
22' 7"	26' 0"	74
24' 11"	33' 3"	75
21'	31' 4"	76
19' 2"	28' 10"	77
18' 2"	32' 6"	78
17' 3"	32'	79
18' 3"	35' 2"	80
16' 8"	35' 1"	81
31' 3"	32' 10"	82
39' 1"	26' 8"	83
34' 9"	14' 0"	84
29' 4"	0' 0"	85

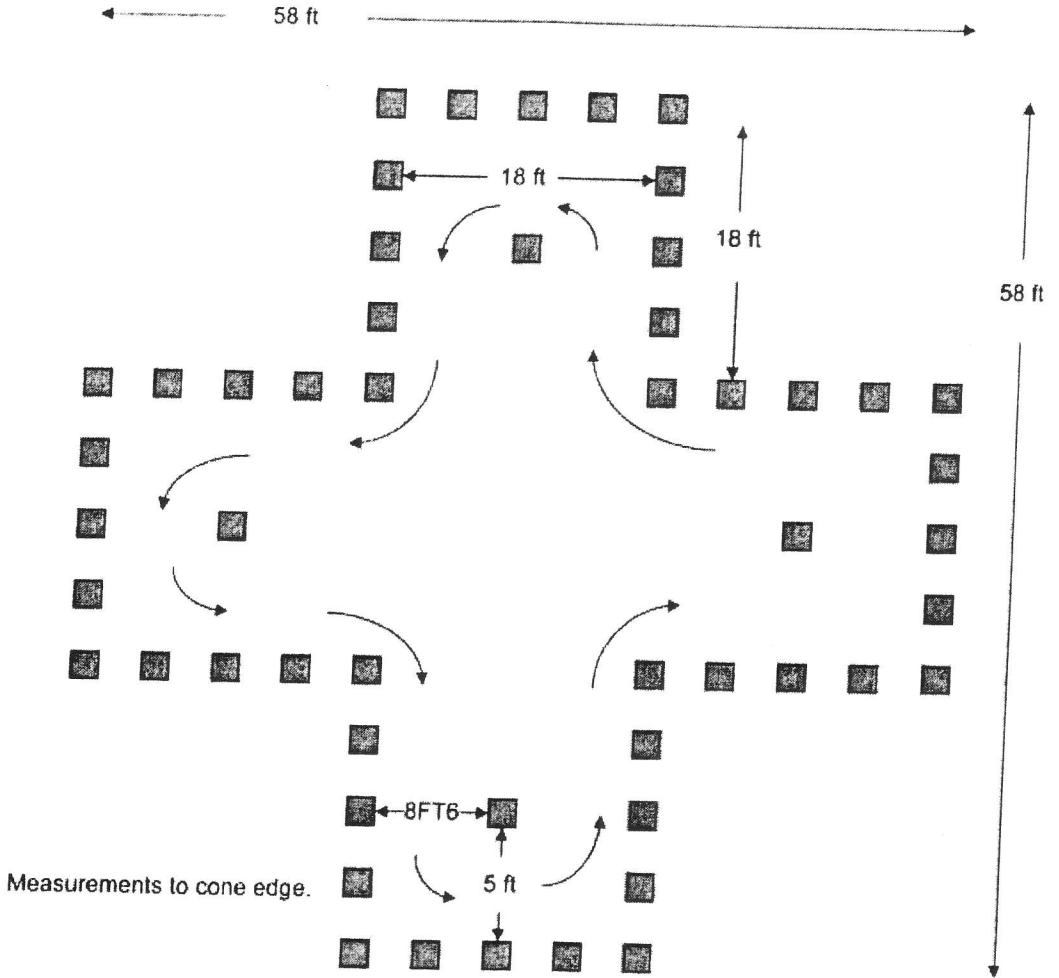


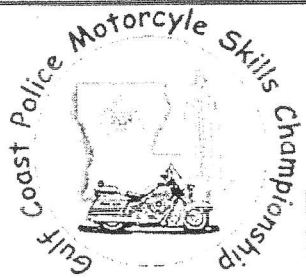
The Hourglass

THE HURRICANE
LARGE TRACK
REVISED 7/28/99

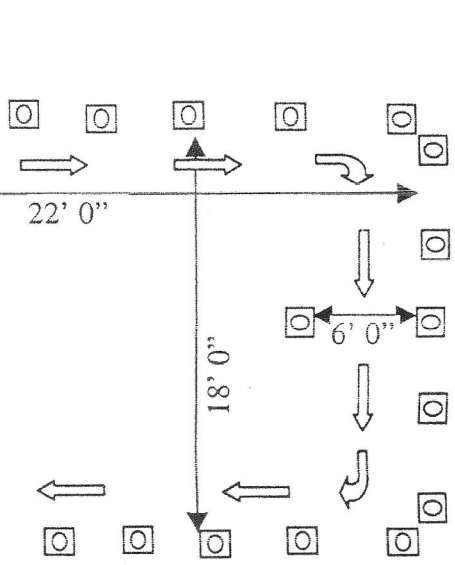
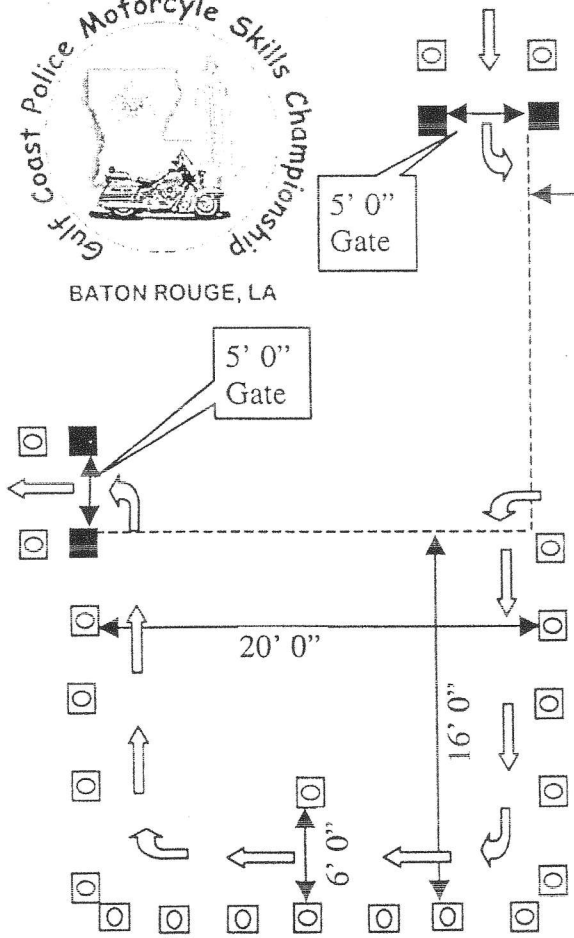


Intersection





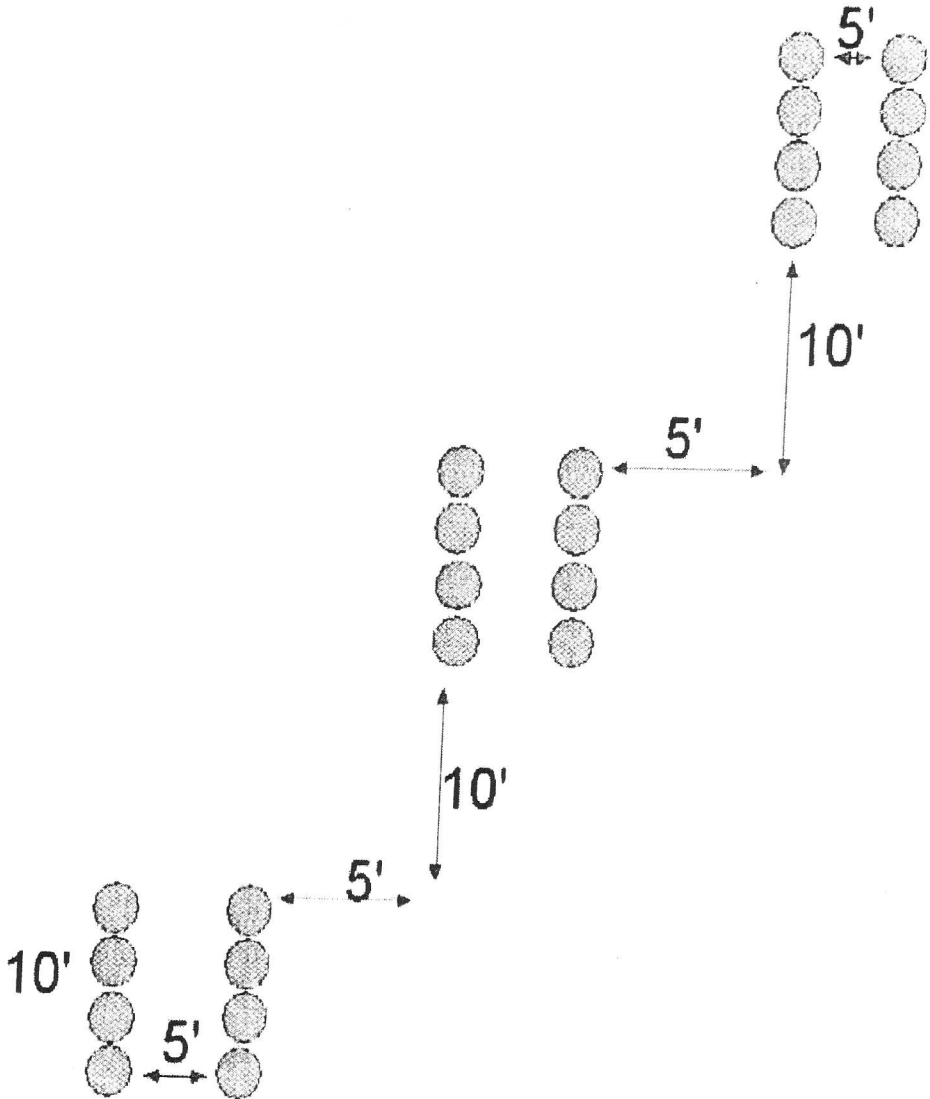
BATON ROUGE, LA



"L" OF A CROSS

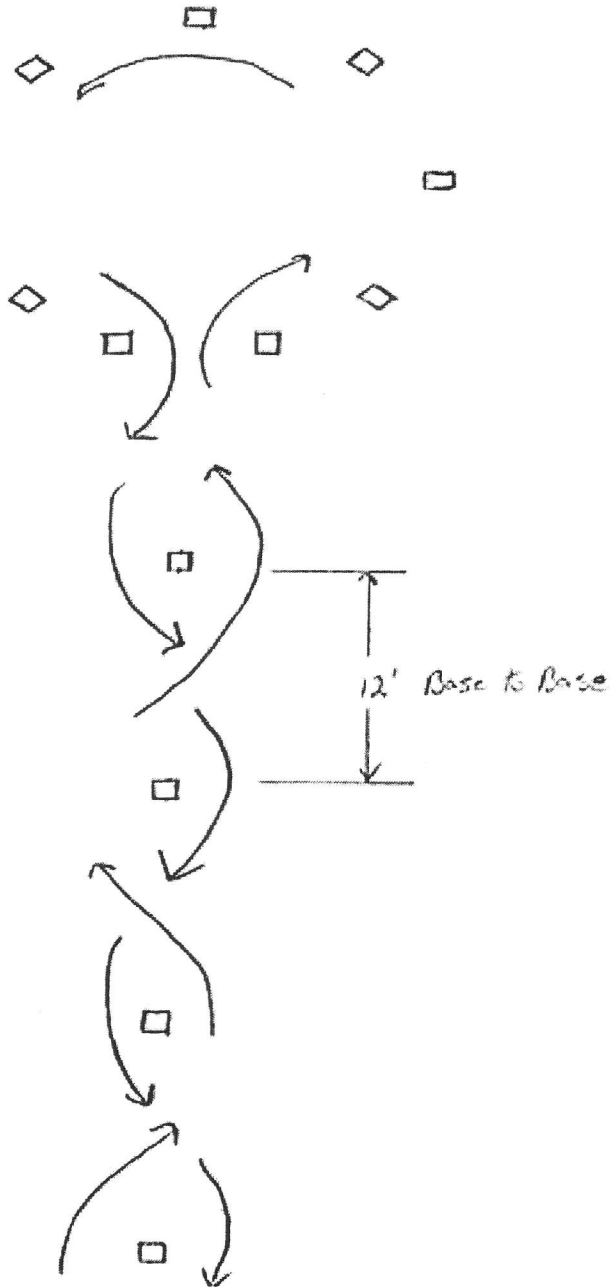
Measurements from base to base of cones

Lane Change

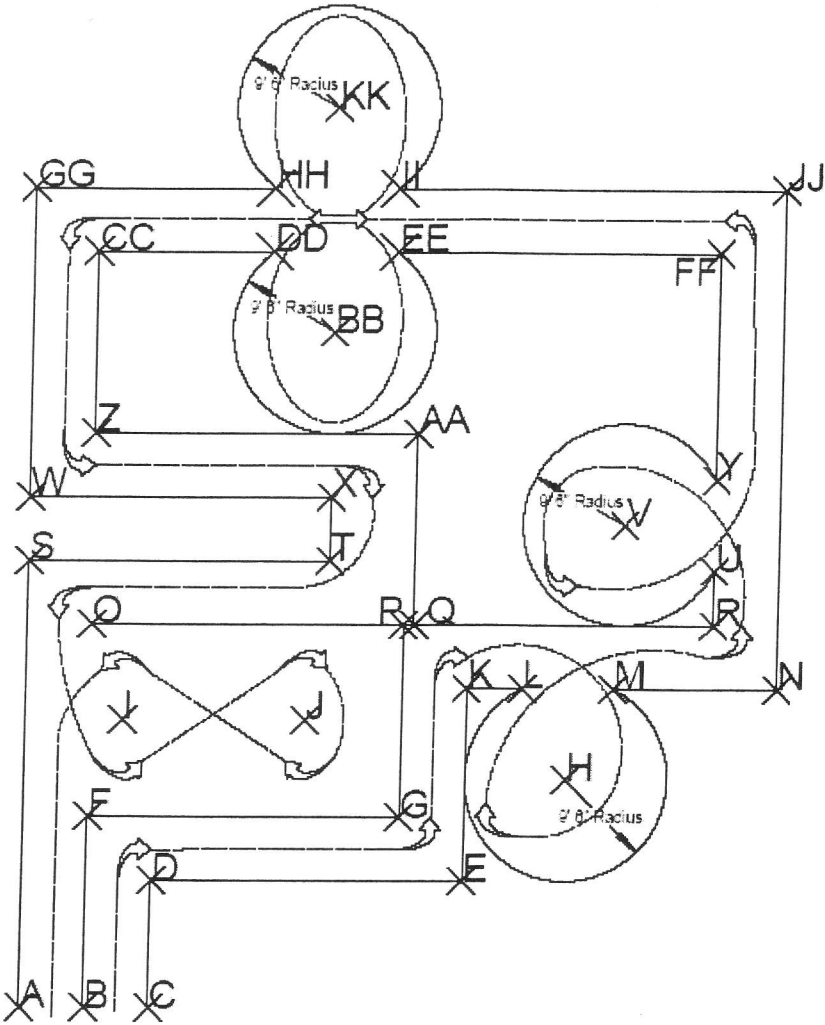


Lollipop

18' Radius Circle → □



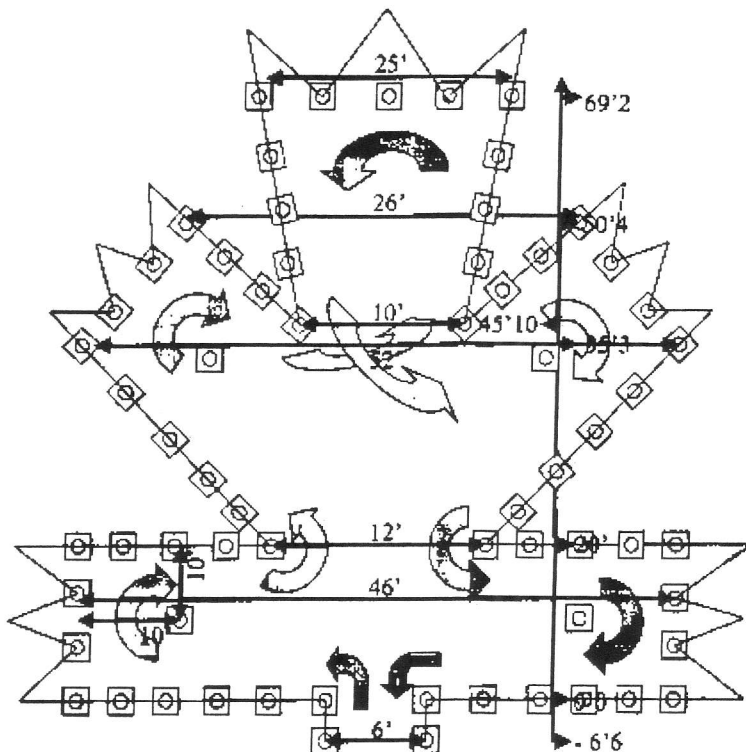
Loopty Loop



All measurements are to center of cone.

Reference Point	Up	Over
A	0'	0'
B	0'	6'
C	0'	12'
D	12'	12'
E	12'	41'

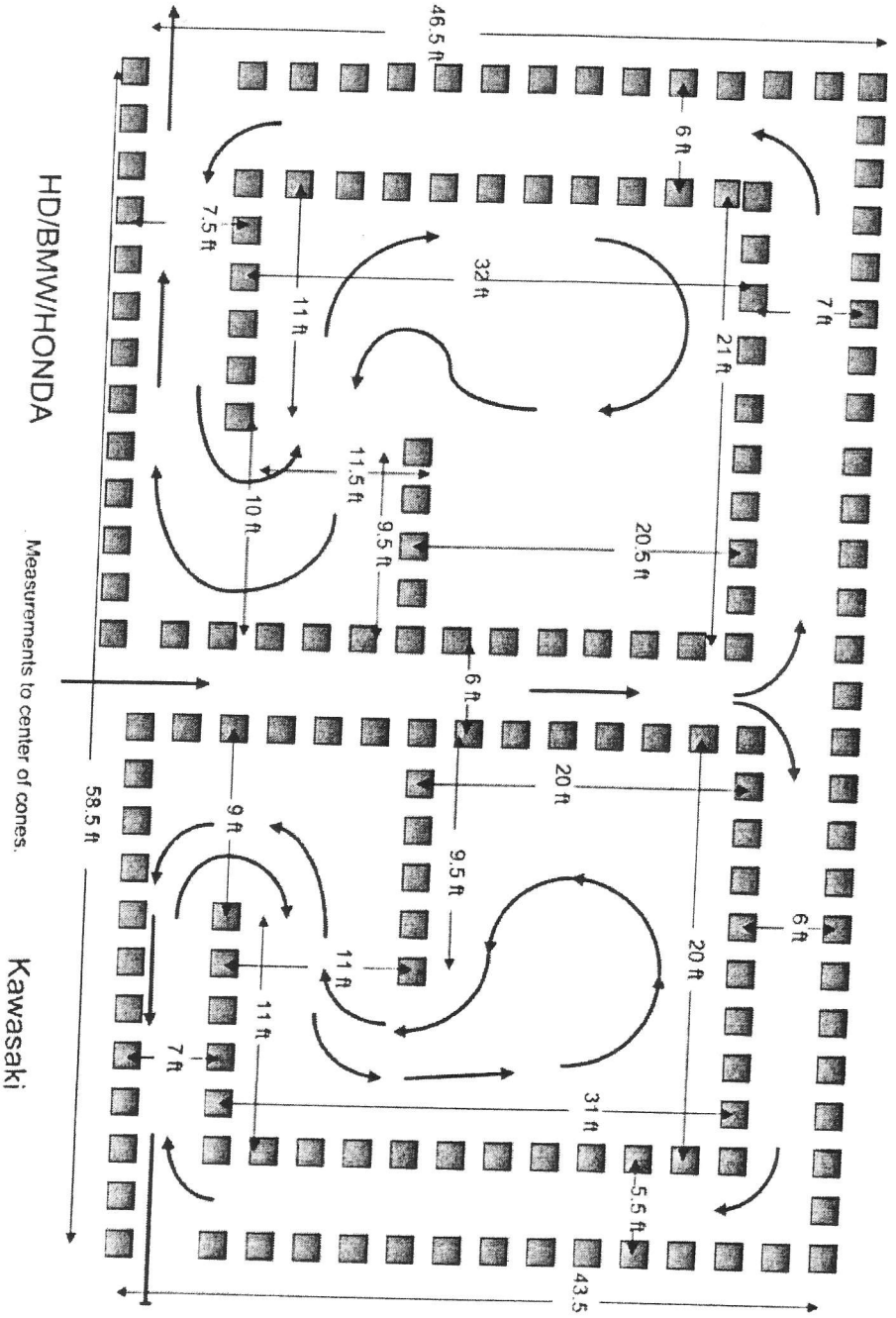
The Maple Leaf Forever



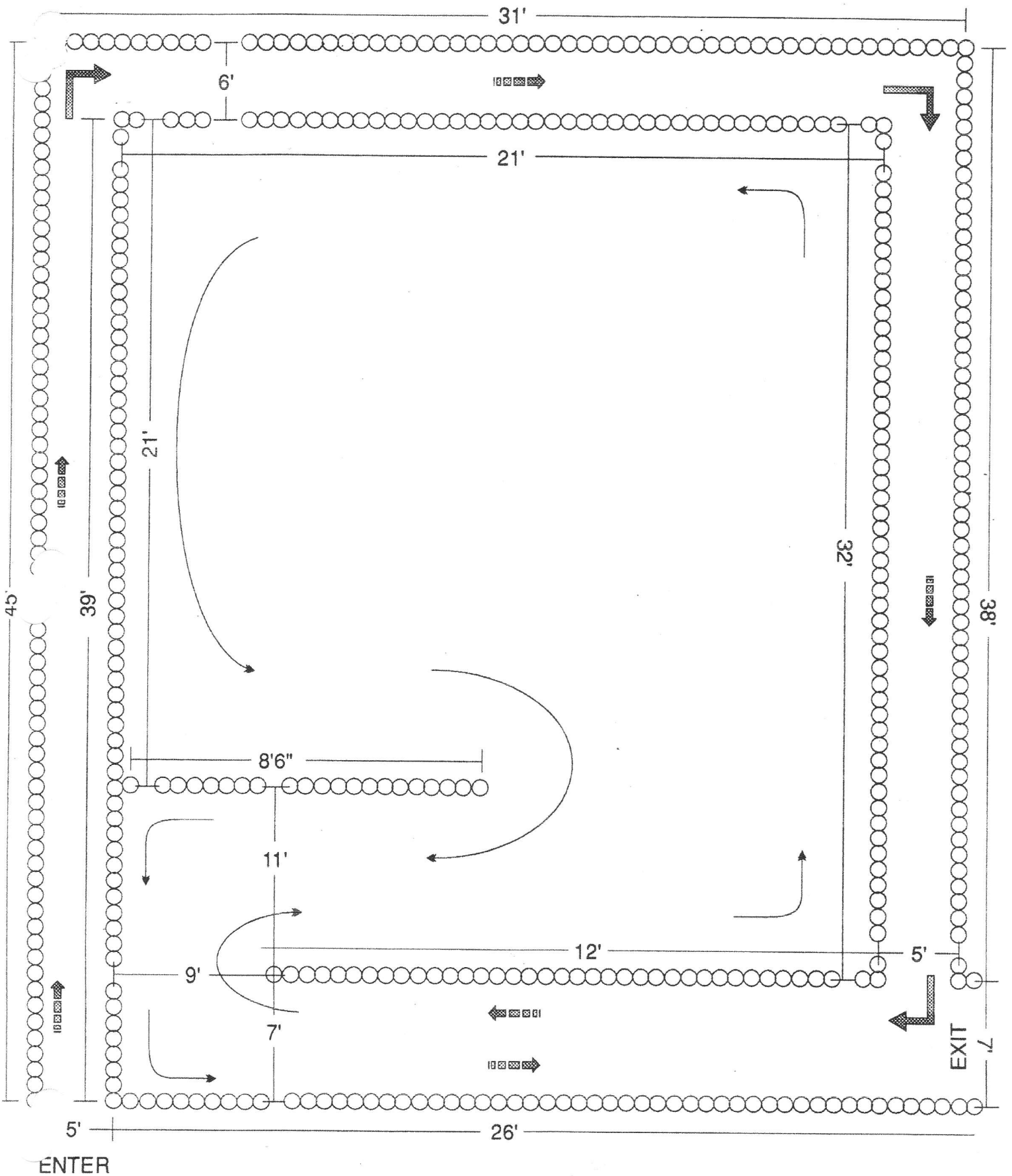
The rider enters the "stem" of the maple leaf and makes a 90 degree left hand turn and proceeds forward into the first section of the course. The rider makes a right hand 180 degree turn to the right around the pivot cone to proceed in the opposite direction. The rider then makes a left turn (approximately 45 degrees) to proceed into the second section of the course. Another 180 degree right hand turn around the pivot cone to proceed in the opposite direction. The rider then makes a left turn into the top section of the maple leaf. The rider makes a 180 degree turn within the section in a counter-clockwise direction. The rider then makes a left turn to enter the fourth section of the course. Another 180 degree right turn around the pivot cone to proceed in the opposite direction. A left turn to enter the final section of the course. A 180 degree turn around the final pivot cone and a 90 degree left turn to exit the stem to complete the course.

THIS COURSE MAY BE COMPLETED IN THE OPPOSITE DIRECTION.

The Maze

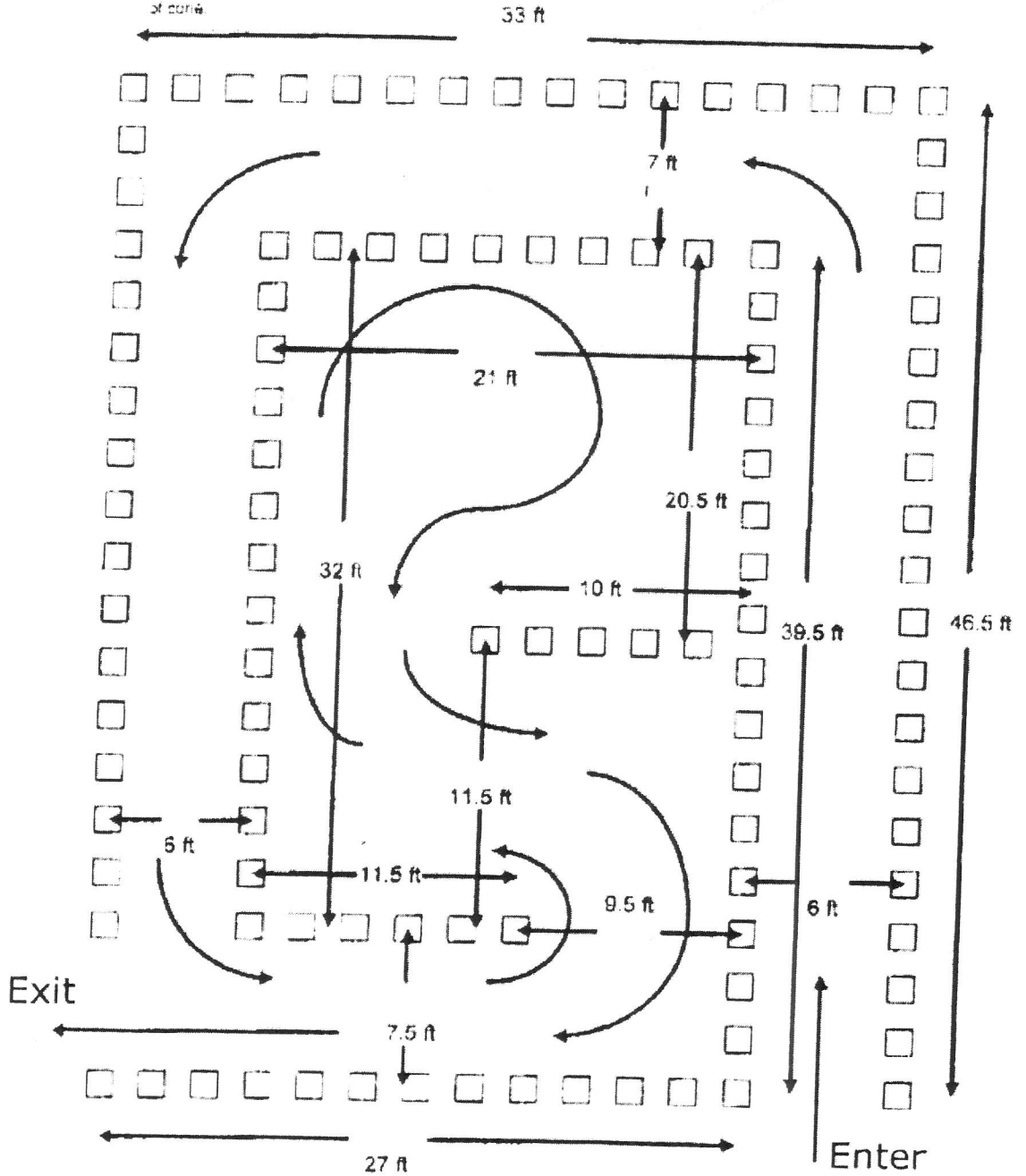


THE MAZE



Maze

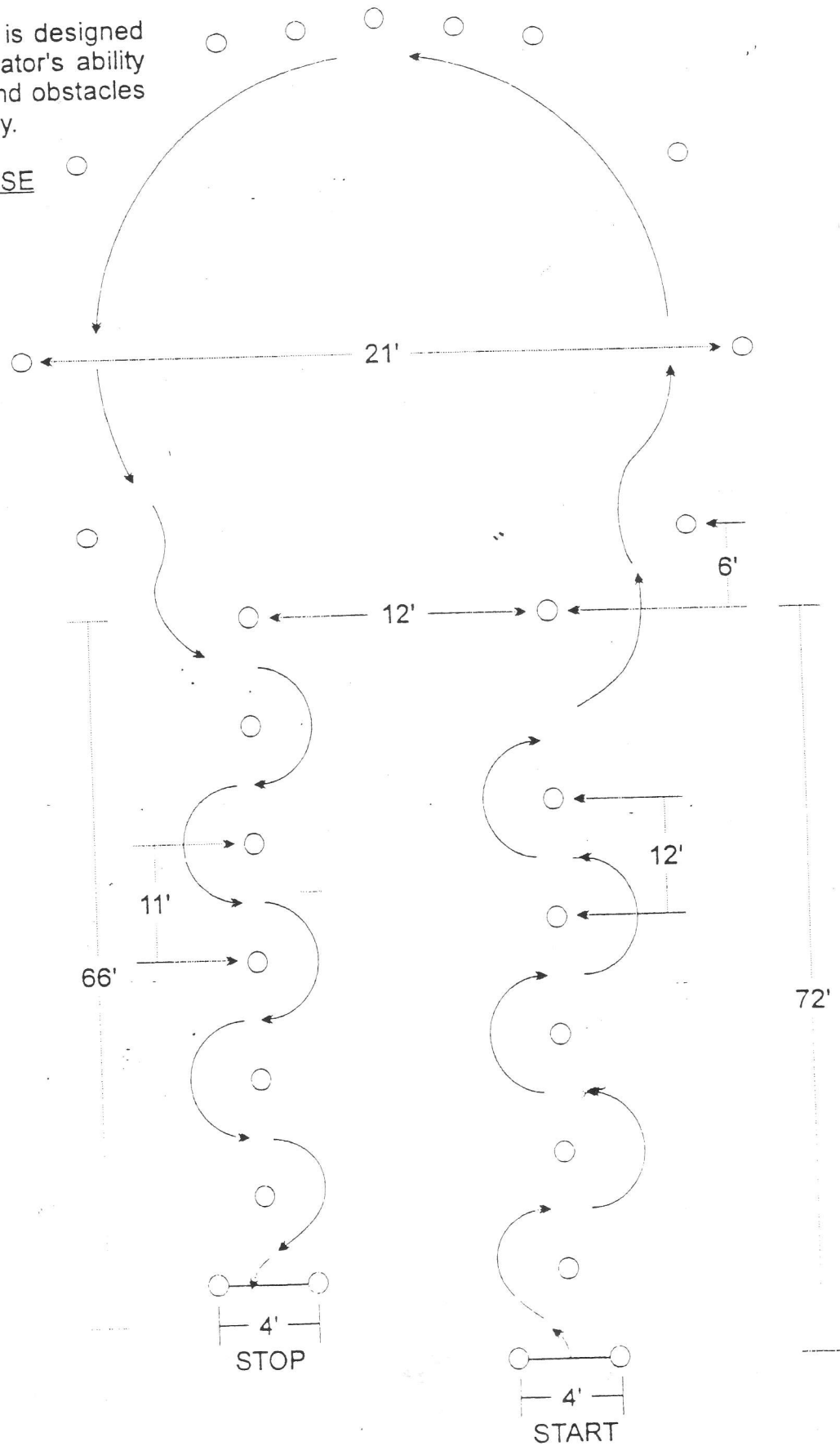
Measurements are
center of cone to center
of cone.



MID ATLANTIC CONE WEAVE

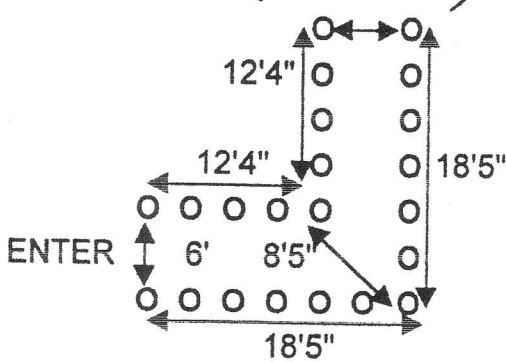
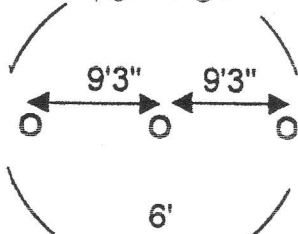
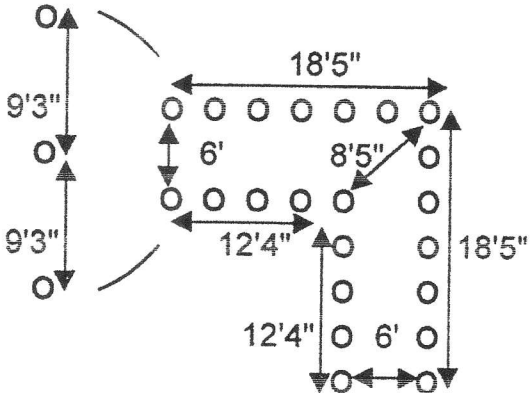
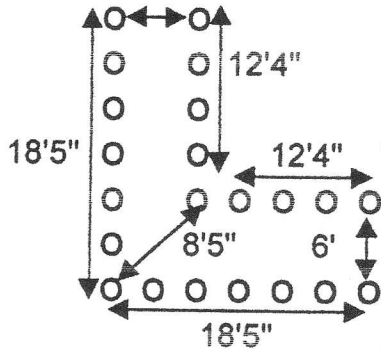
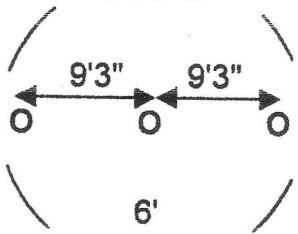
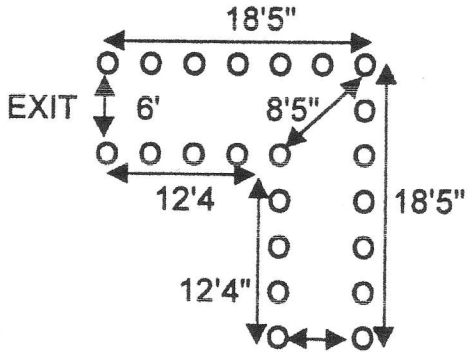
The Serpentine is designed to test the operator's ability to maneuver around obstacles slowly and safely.

LARGE COURSE

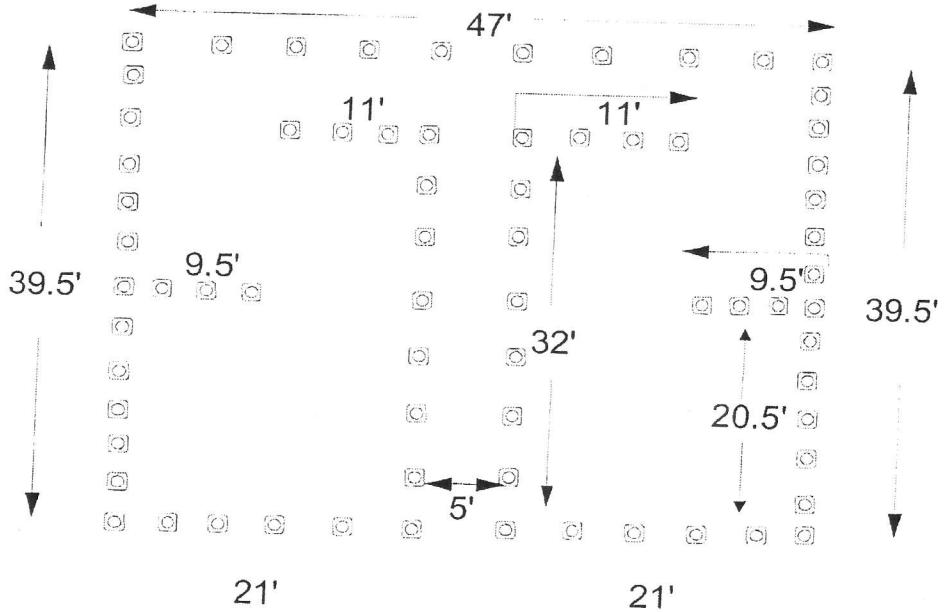


THE MIGHTY MISSISSIPPI LARGE TRACK

REVISED 7/28/99

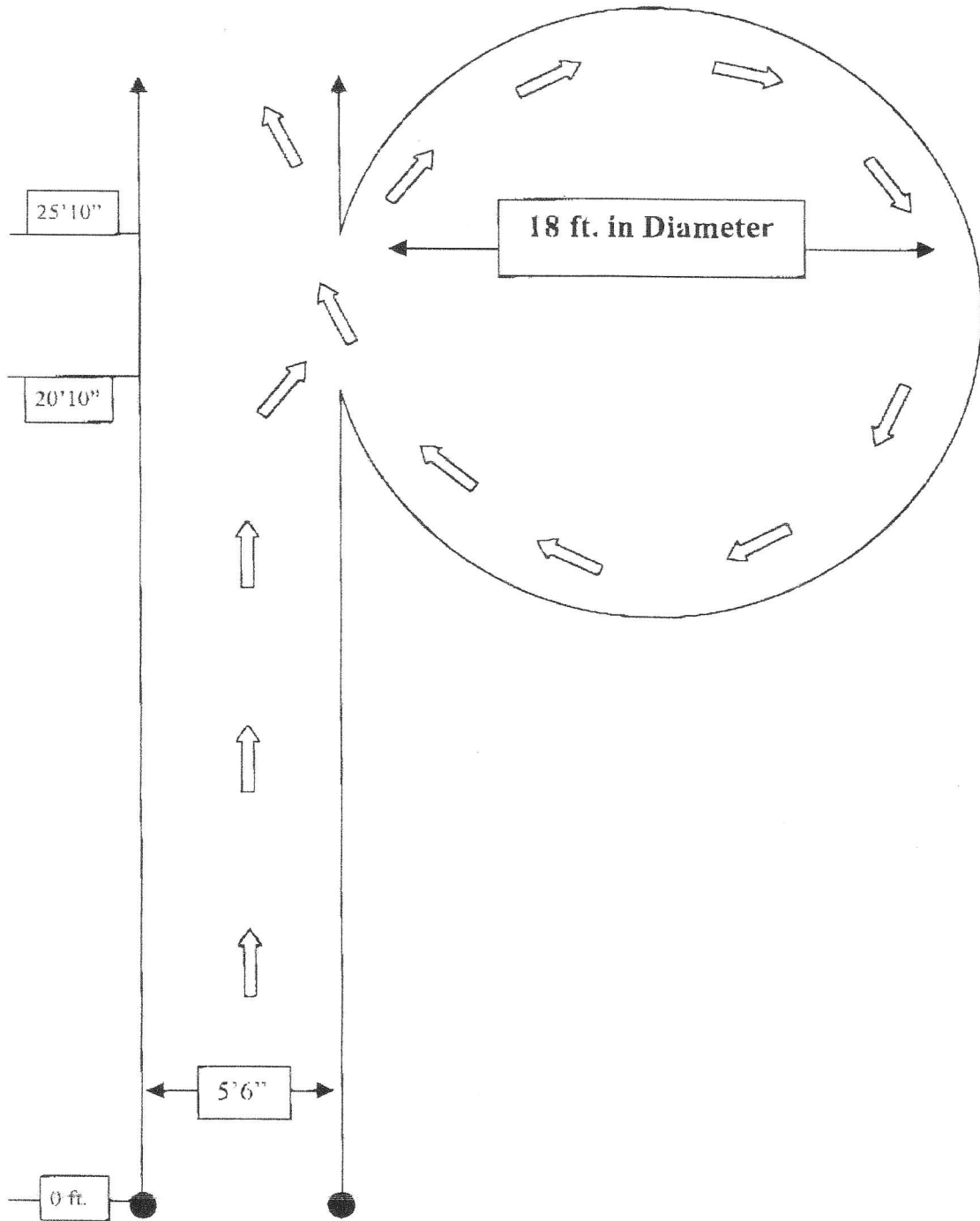


Mirror Maze

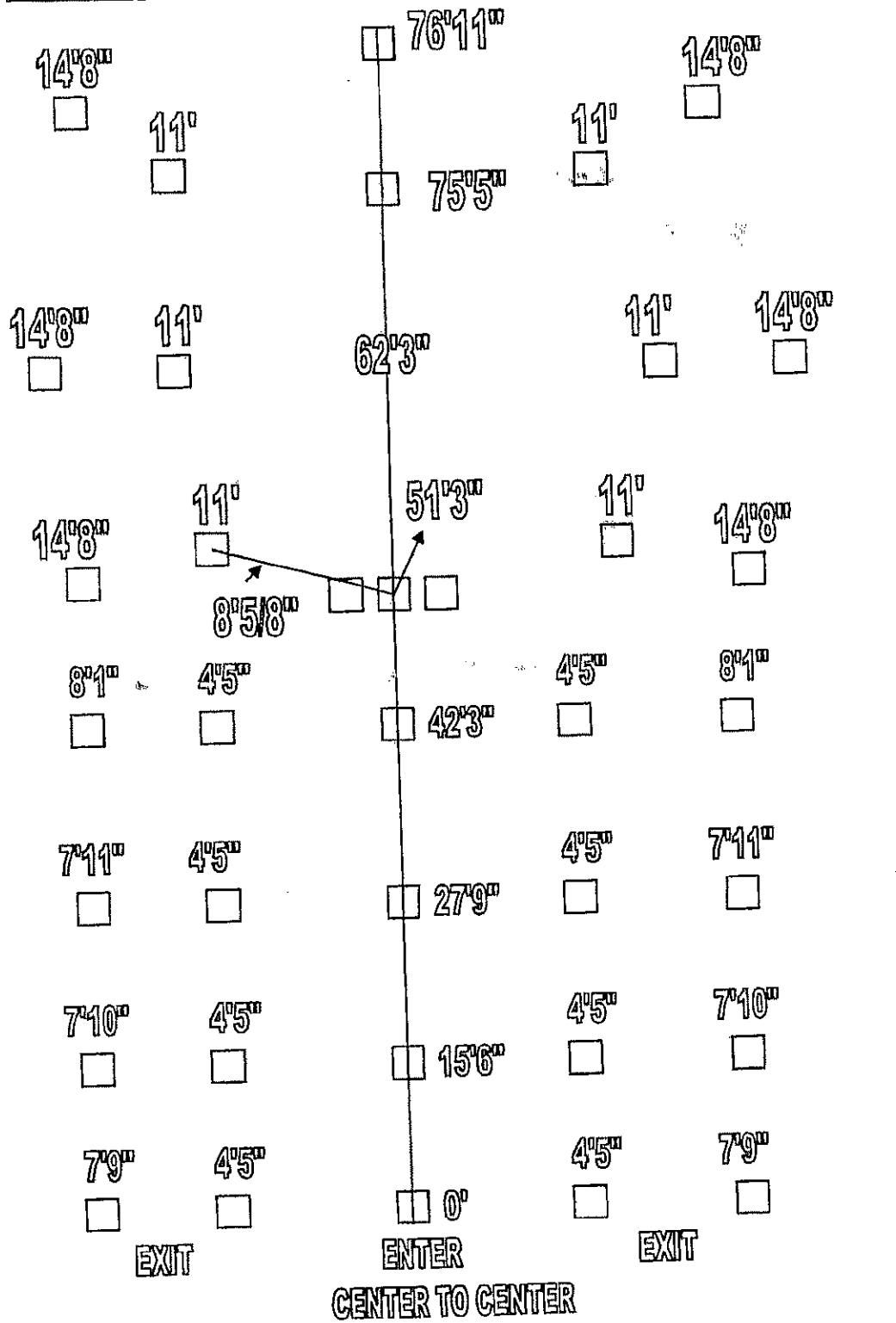


All Measurements are Center Cone to Center Cone

The Mouse Trap



NCS



MEASUREMENTS FOR "NO-NAME", LARGE COURSE

I. Start by measuring a base line of 31'10".

A. At the following locations along the tape make a mark or put a nail as indicated below:

- | | | | |
|------------------|----------------------|---------------------|-------------------|
| (1) 0' MARK | (2) 7-1/2" MARK | (3) 1' MARK | (4) 1'6" MARK |
| (5) 3'6" NAIL | (6) 5'10-1/2" MARK | (7) 6' MARK | (8) 6'4-1/2" MARK |
| (9) 7' MARK | (10) 8'3" NAIL | (11) 10'5-1/2" NAIL | |
| (12) 12'8" NAIL | (13) 14'10-1/2" NAIL | (14) 17'9" NAIL | |
| (15) 19'6" NAIL | (16) 21'11" NAIL | (17) 24'4" NAIL | |
| (18) 30'10" NAIL | (19) 31'1" MARK | (20) 31'4" MARK | |
| (21) 31'7" MARK | (22) 31'10" MARK | | |

NOTE: All of the following measurements MUST be at 90 degree angles to the above measurements.

B. At the 0' mark, measure 41'2" to the right and put a nail.

C. At the 7-1/2" mark, measure 30'10" to the right and put a nail.

D. At the 1' mark, measure 21'3" to the right and put a nail.

E. At the 1'6" mark, measure 10'8" to the right and put a nail.

F. At the 3'6" nail, measure 3' and 6' to the right PLUS 4' and 8' to the left and put nails.

G. At the 5'10-1/2" mark, measure 10'8" to the right PLUS 8' to the left and put nails.

H. At the 6' mark, measure 21'3" to the right and put a nail.

I. At the 6'4-1/2" mark, measure 30'10" to the right and put a nail.

J. At the 7' mark, measure 41'2" to the right and put a nail.

K. At the 8'3" nail, measure 3' and 6' to the right PLUS 8' to the left and put nails.

L. At the 10'5-1/2" nail, measure 8' to the left and put a nail.

M. At the 12'8" nail, measure 8' to the left and put a nail.

N. At the 14'10-1/2" nail, measure 8' to the left and put a nail.

O. At the 17'9" nail, measure 8' , 11'1" , and 15' to the left and put nails.

P. At the 19'6" and the 21'11" nail, no further measurements are needed.

Q. At the 24'4" nail, measure 4' , 8' , 11'1" and 15' and put nails.

R. At the 30'10" nail, no further measurement is needed.

S. At the 31'1" mark, measure 4' to the left and put a nail.

CONTINUED

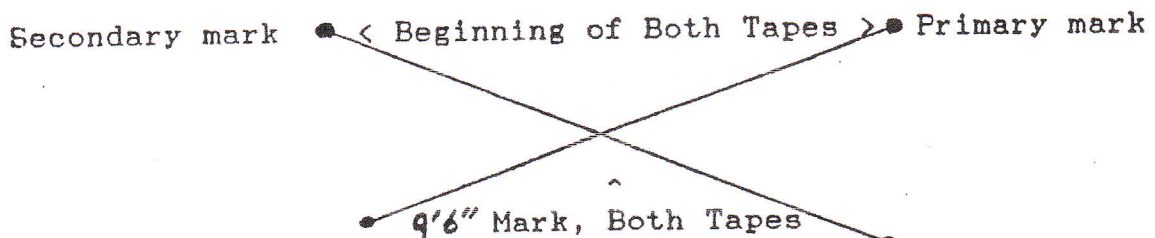
MEASUREMENTS FOR THE "NO-NAME", LARGE COURSE
CONTINUED

- T. At the 31'4" mark, measure 8' to the left and put a nail.
U. At the 31'7" mark, measure 11'6" to the left and put a nail.
V. At the 31'10" mark, measure 15' to the left and put a nail.

II. MEASUREMENTS FOR THE BULB

- A. With TWO measuring tapes, measure 20' across from the PRIMARY mark and the SECONDARY mark for the bulb.

EXAMPLE

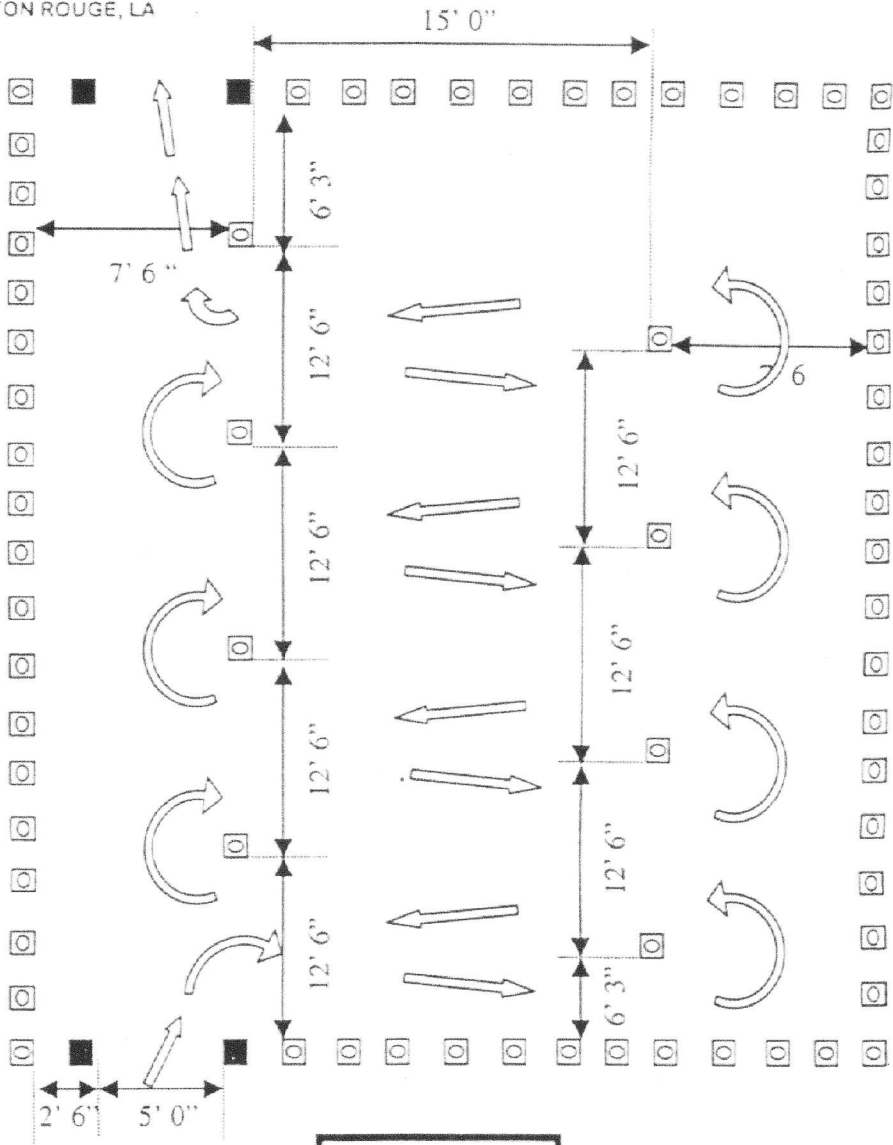


- B. Find where the 9'6" point on each tape intersect each other and mark this spot as the center of the bulb.
C. Measure 4' from the primary mark and 9'6" from the center of the bulb using both tapes. Put a nail where both measurements intersect. Continue like this until the bulb connects with the secondary mark.

III. ALL MEASUREMENTS ARE FOR CENTER OF CONE TO CENTER OF CONE



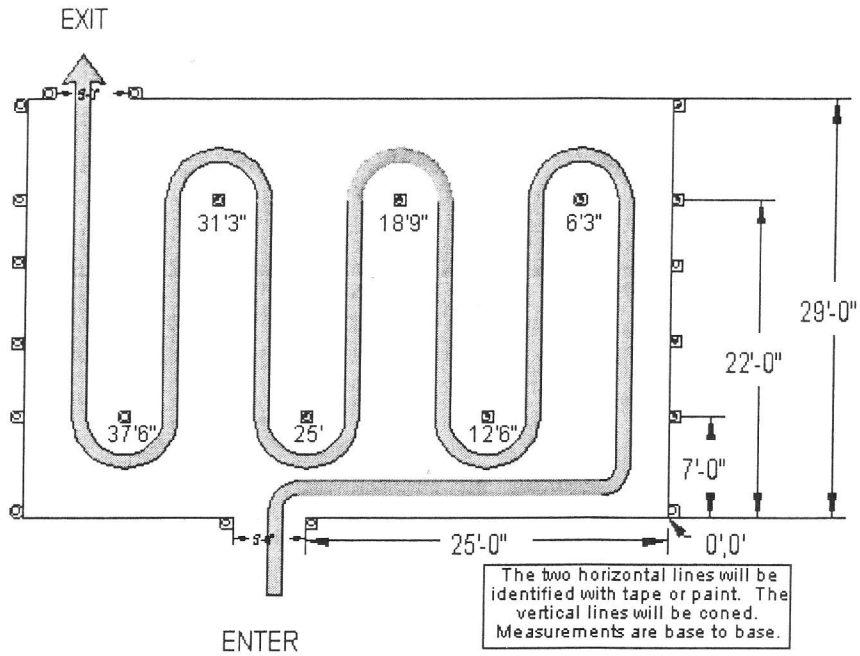
BATON ROUGE, LA



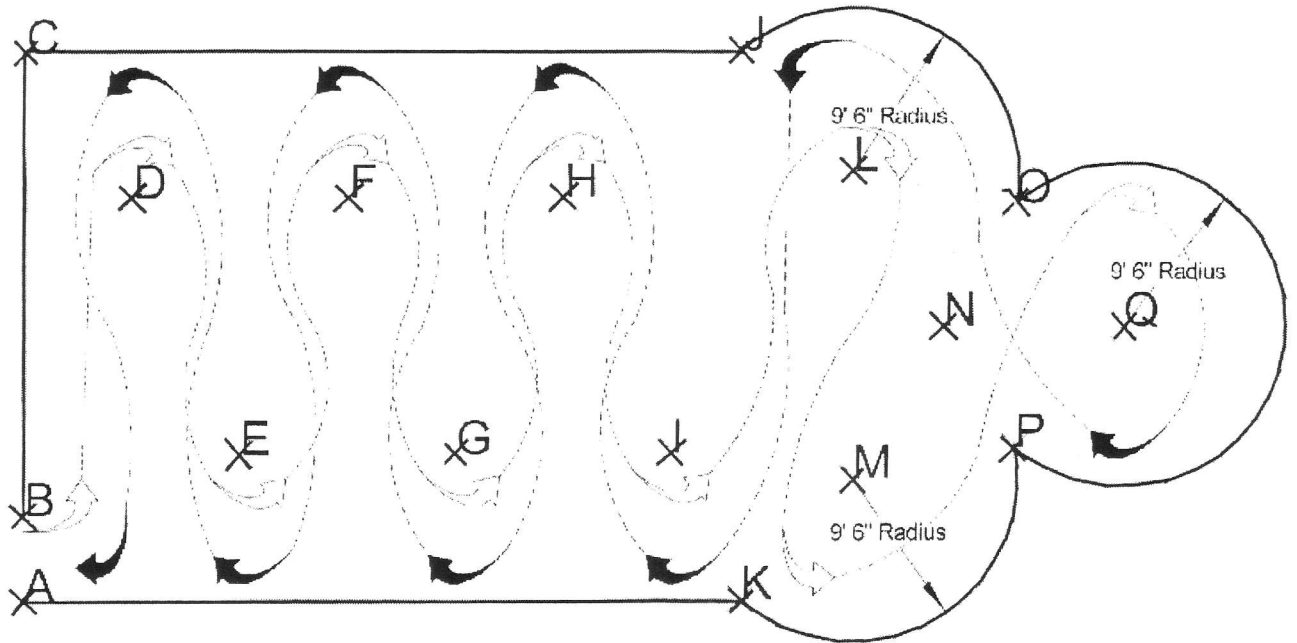
OFFSET

Measurement from base to base of cone. NO SLOW CONE WEAWE ON ENTRY

OFFSET CONE WEAVE



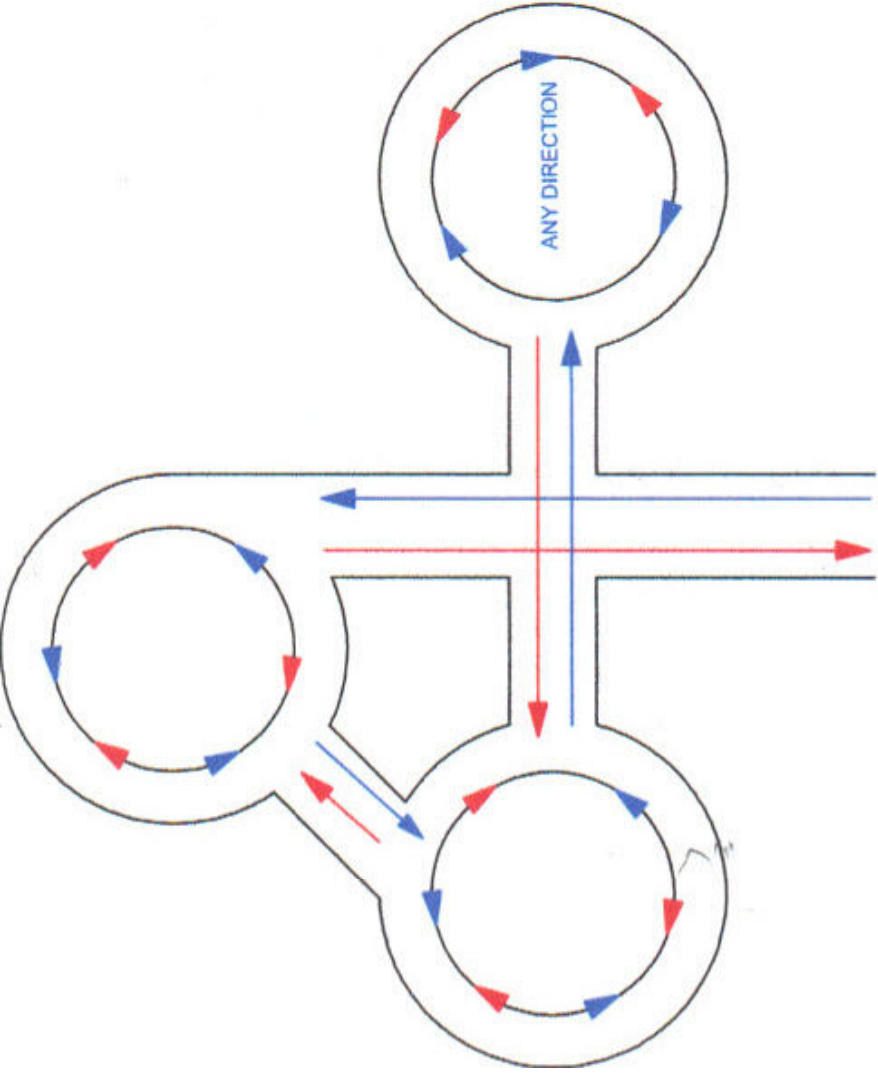
Offset - Cloverleaf



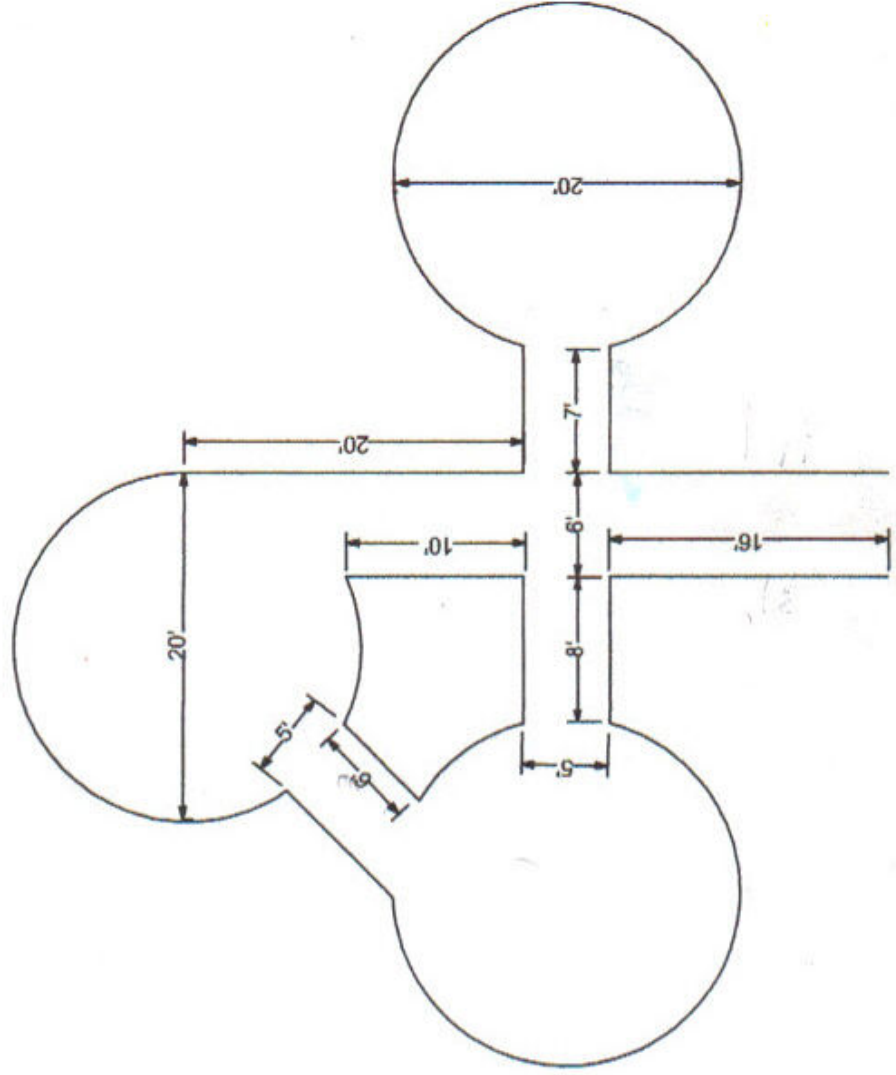
Offset – Cloverleaf Measurements

RP	UP	OVER
A	0	0
B	5'	0'
C	32'	0'
D	23'6"	6'3"
E	8'6"	12'6"
F	23'6"	18'9"
G	8'6"	25'
H	23'6"	31'3"
I	8'6"	37'6"
J	32'	41'7"
K	0'	41'7"
L	25'	48'
M	7'	48'
N	16'	53'2"
O	23'2"	57'4"
P	8'10"	57'4"
Q	16'	63'7"

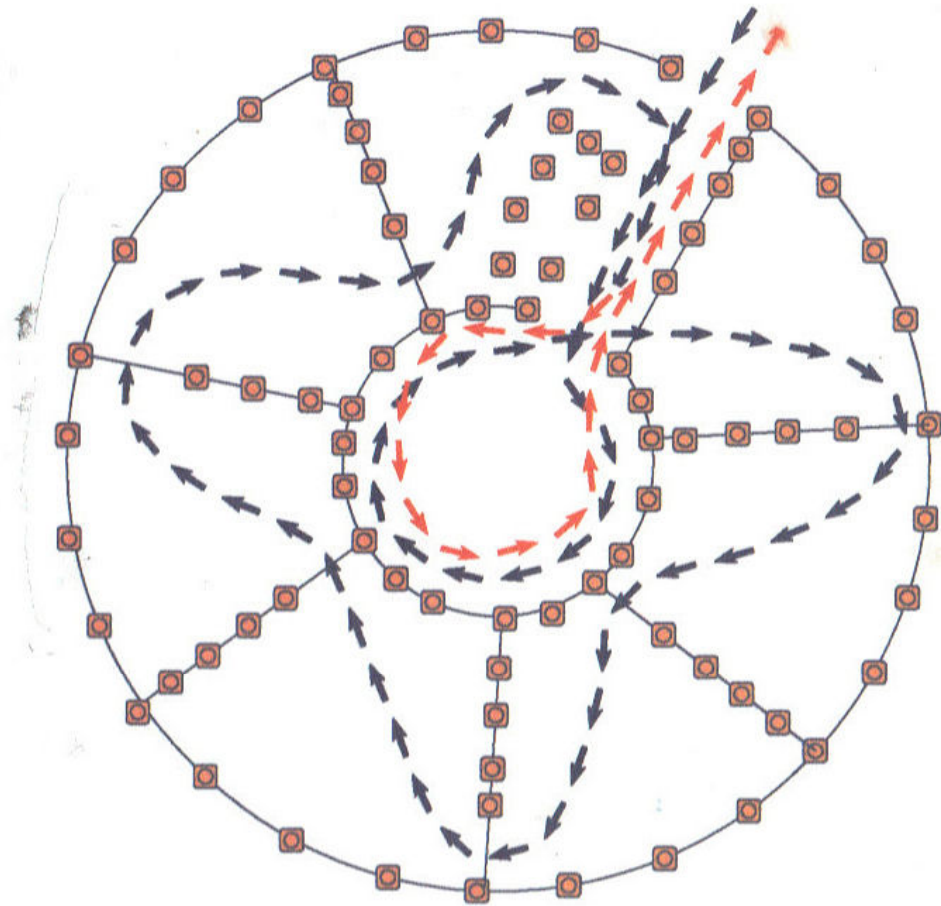
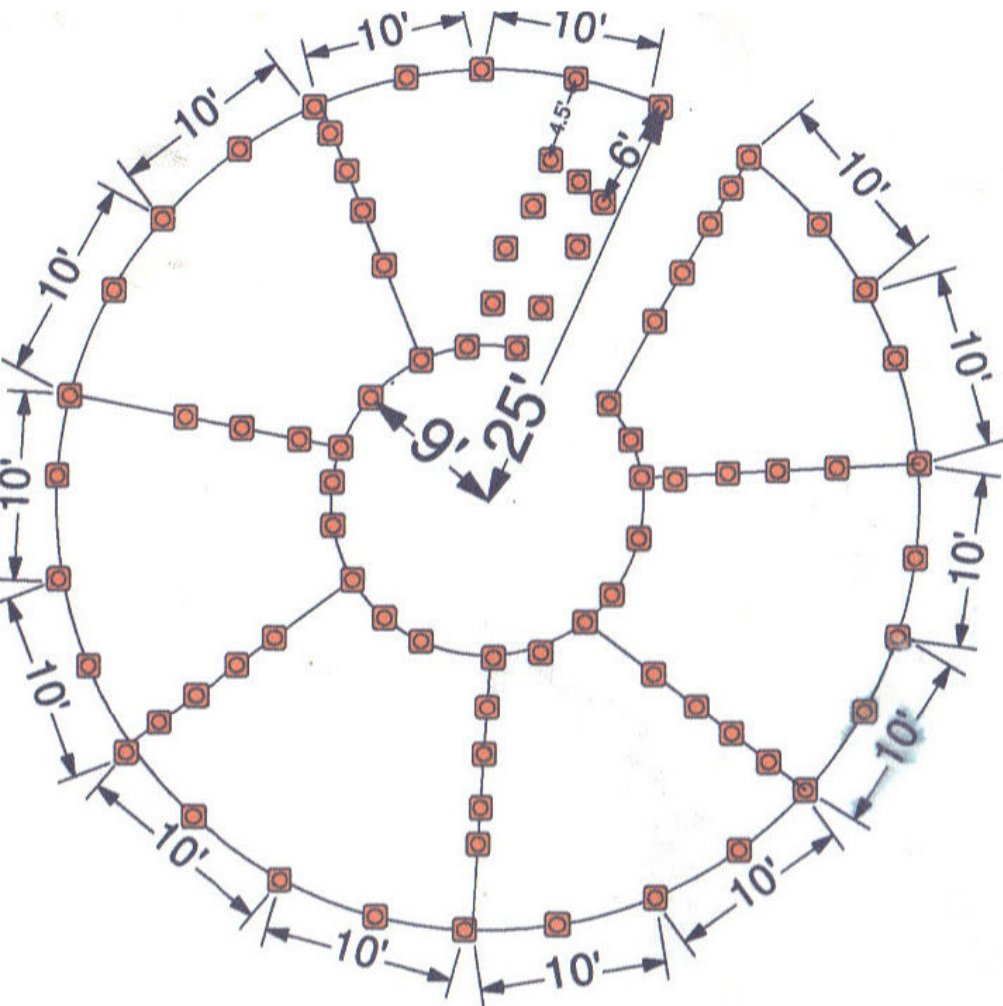
To set up this course, use a baseline measurement system. All measurements are to the center of the cone. There are cones on all reference points in this course. All radii are 9'6".



FANTASTIC FOUR



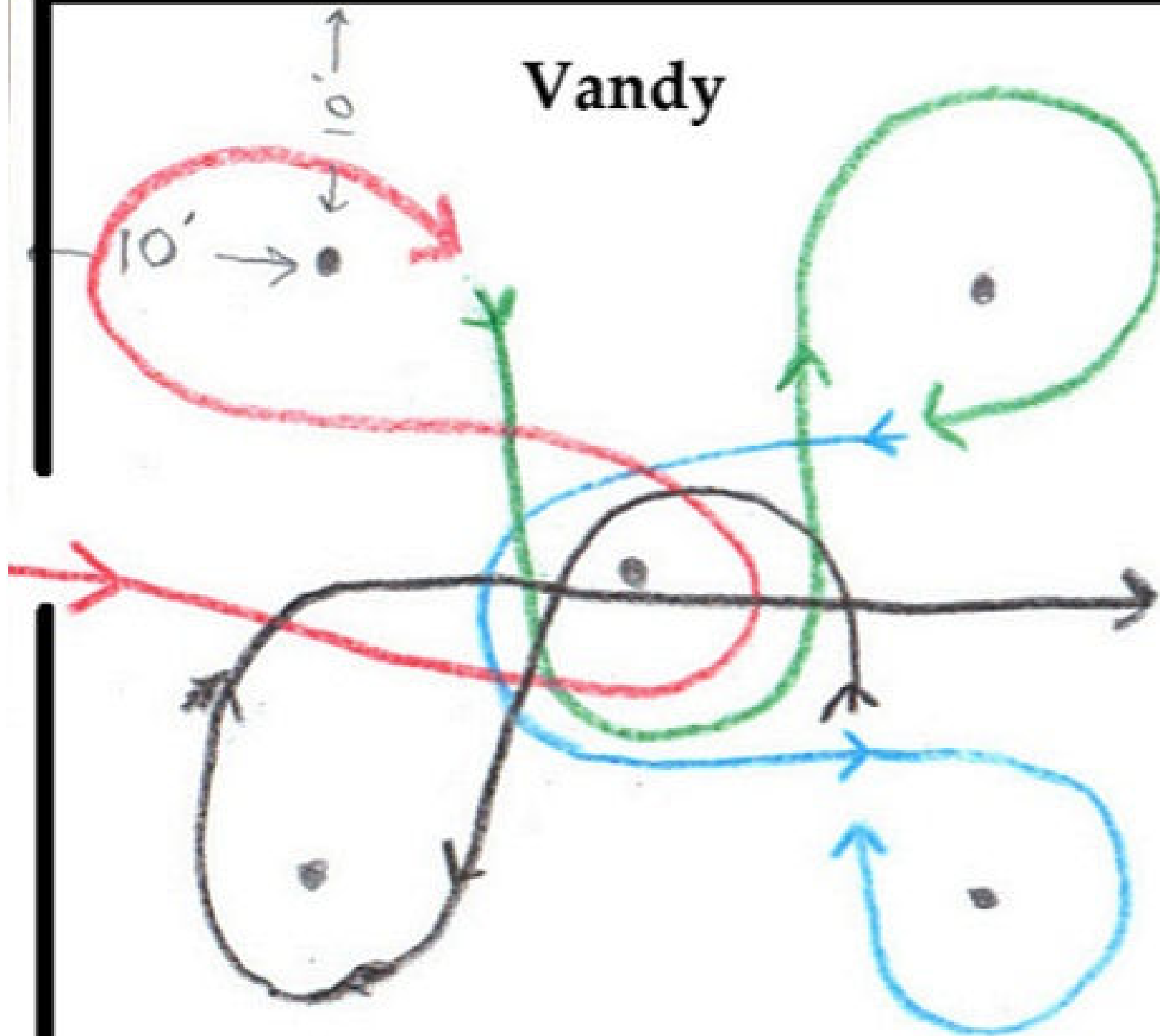
FANTASTIC FOUR



For every 25' length by 10' width, place a cone at the 9' length mark.
 This will make the 18' radius inner circle.
 Outside cones are center cone measurements.
 The spokes are center cone. The inner circle is outside
 cone measurements. Gates are 5' outside cone measurements.
 This is a total of a 50' radius circle.

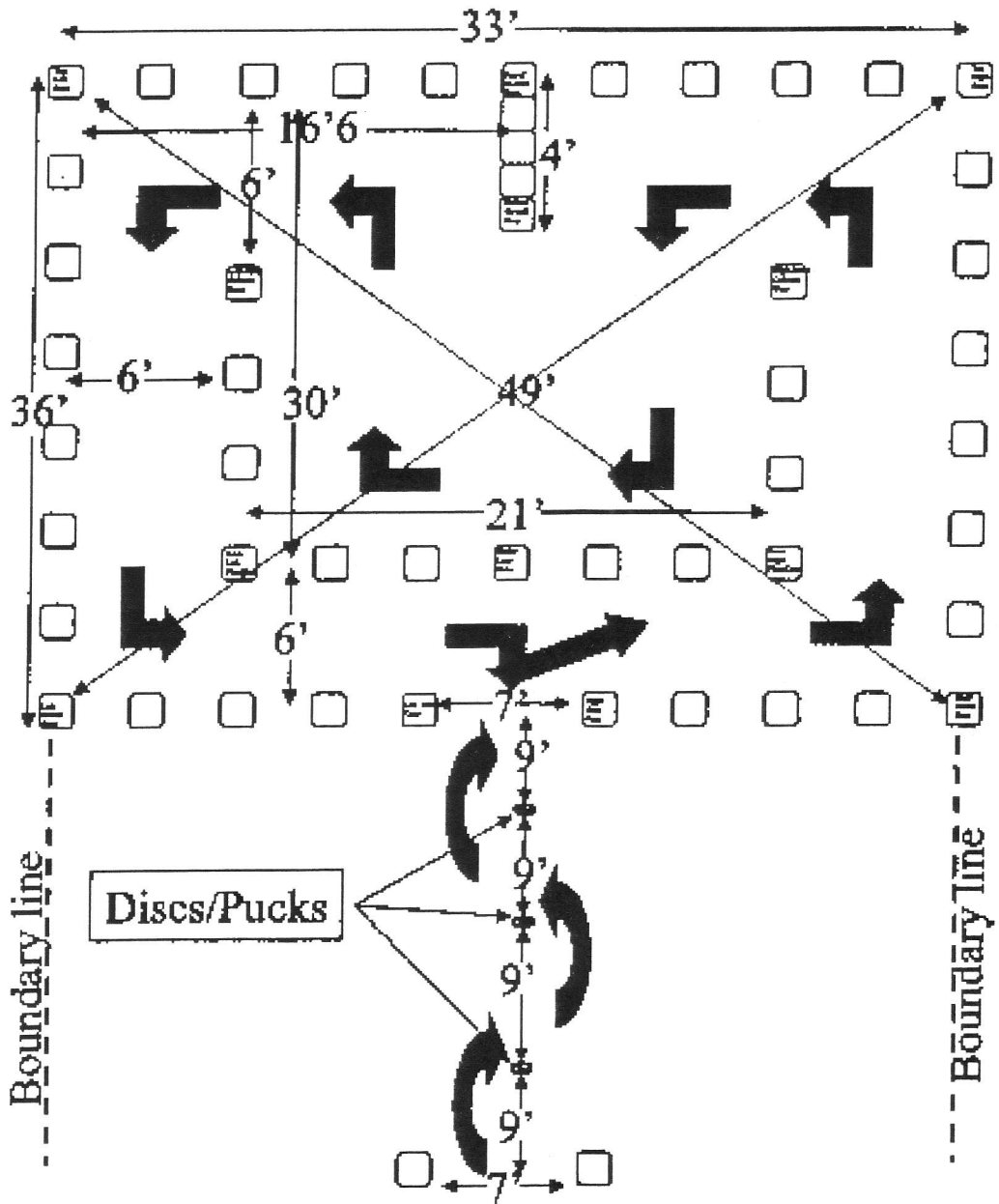
STAR

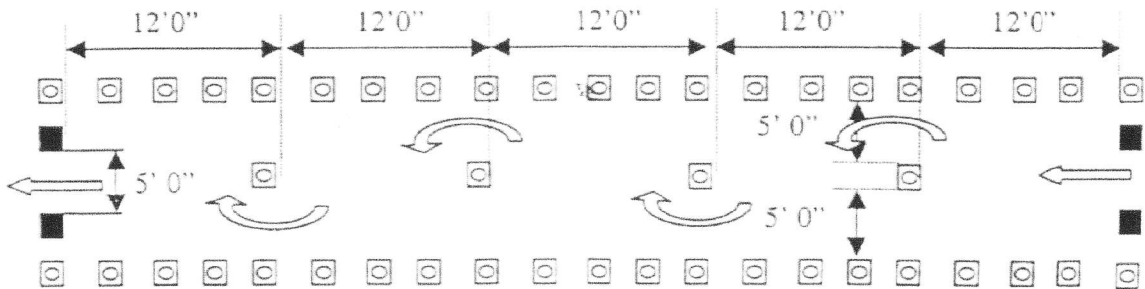
Vandy



40 x 40 box

Pitchfork



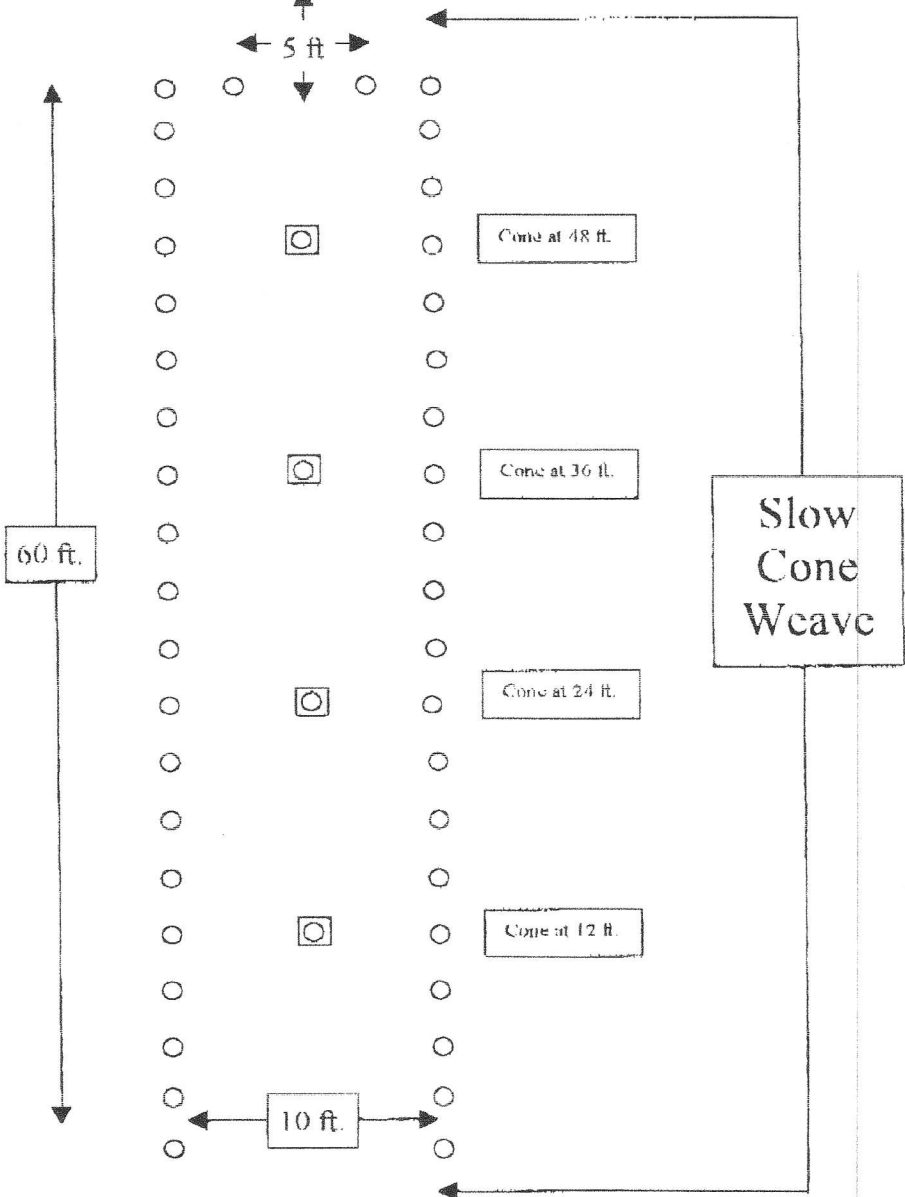
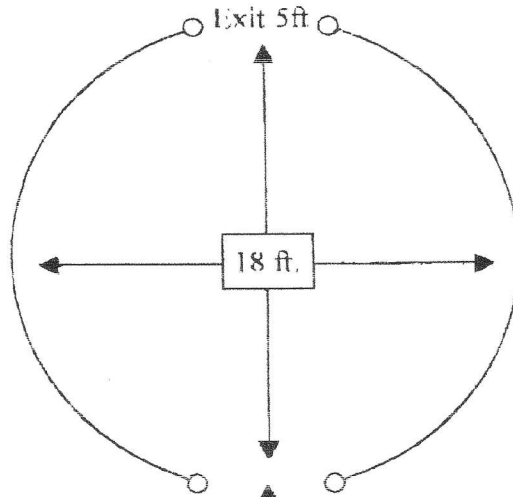


RED STICK SLOW CONE WEAVE

Rider may go left or right on entrance. Measurements are from base to base on cones

The Red Stick

Note: Contestant may choose either direction for slow cone weave, which will determine direction around circle.



SAN BERNARDINO COUNTY SHERIFFS

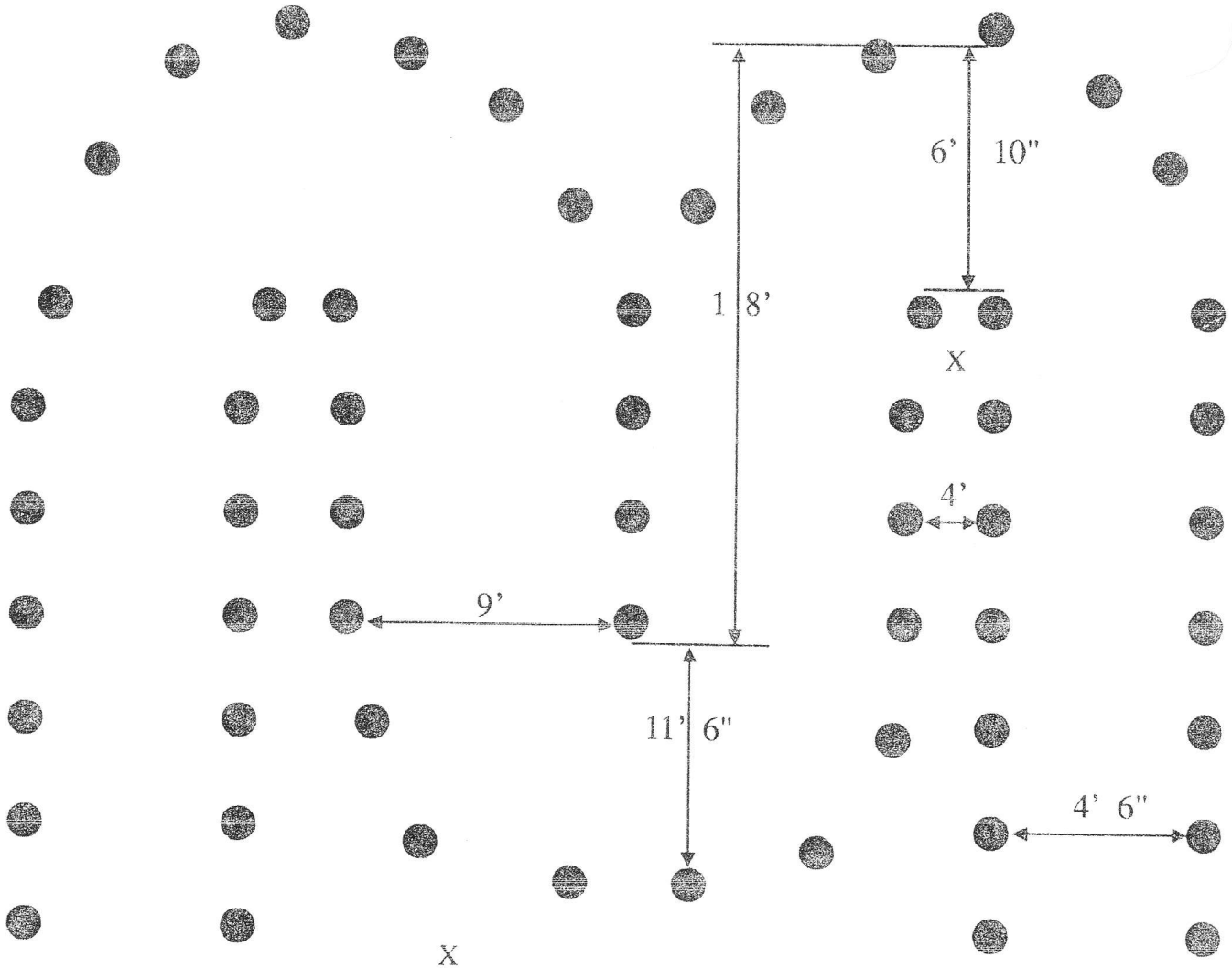
MOTORCYCLE TRAINING COURSE

CONE PATTERN # 3

"S" CURVES

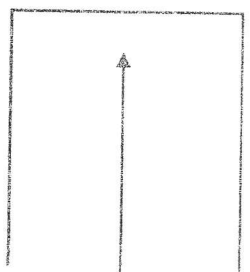
NO BRAKE EXERCISE

MEASUREMENTS FOR HARLEY ROADKING



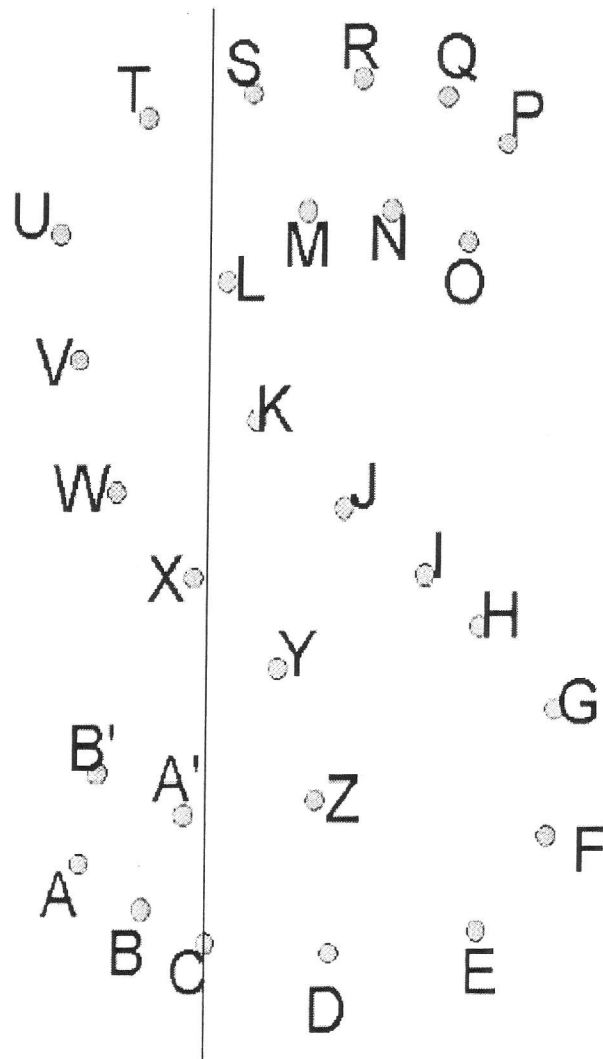
INSTRUCTORS POSITION IS INDICATED BY " X "

CLASS LINEUP POSITION APPROX. 50 FEET FROM PATTERN CAN CHANGE FROM RIGHT TO LEFT



"S" Curve

Reference Point @ "C"

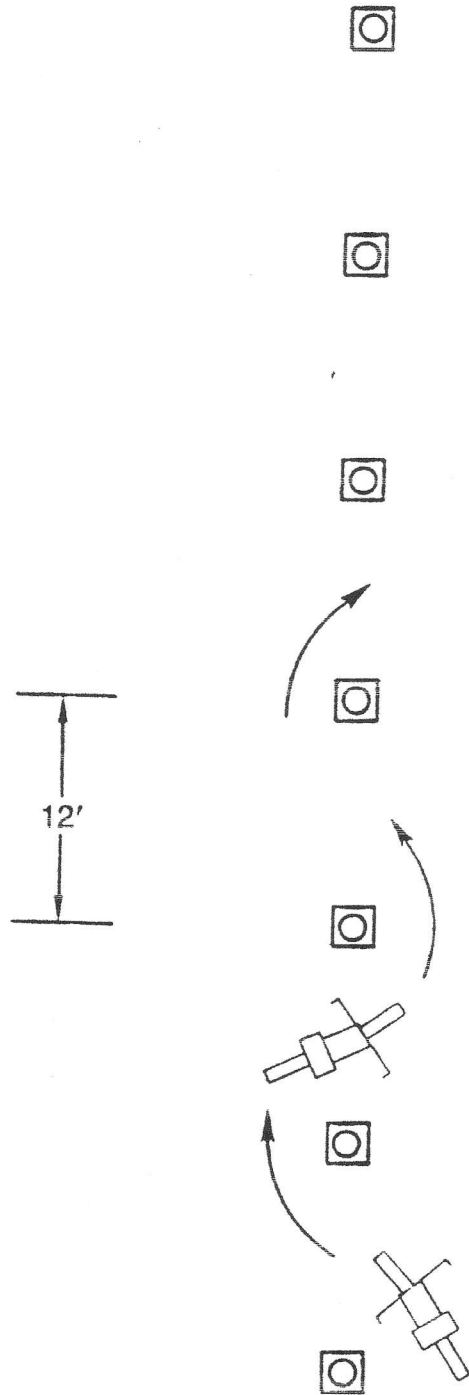


"S" Curve Measurements

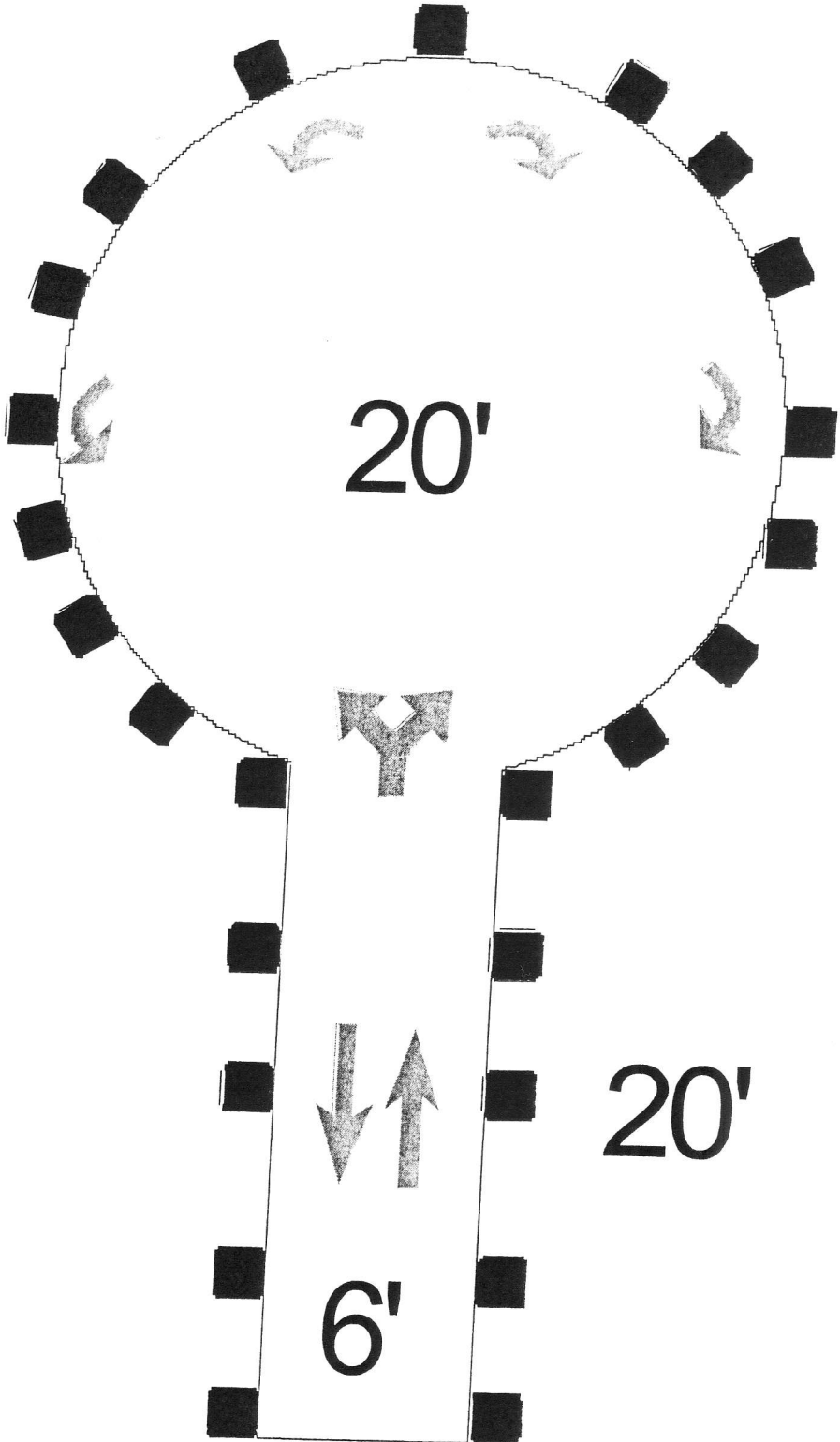
Page 2

<u>Distance up reference line (ft-in)</u>	<u>Distance from Reference line</u>
A 1-8	6-8 L
B 0-9	3-9 L
C 0-0	0-0
D 0-0	4-0 R
E 0-0	8-5 R
F 2-10	11-3 R
G 7-8	11-10 R
H 11-3	9-11 R
I 13-1	8-6 R
J 16-0	4-11 R
K 19-2	1-11 R
L 24-5	0-8 R
M 27-10	2-11 R
N 26-8	7-9 R
O 24-6	10-4 R
P 27-2	13-3 R
Q 31-0	9-3 R
R 32-2	5-1 R
S 31-11	1-2 R
T 30-4	2-11 L
U 27-0	5-7 L
V 22-6	5-0 L
W 18-5	2-8 L
X 14-8	1-1 L
Y 10-3	2-0 R
Z 7-1	3-11 R
A' 6-8	0-10L
B' 7-7	4-10L

SLOW CONE WEAVE

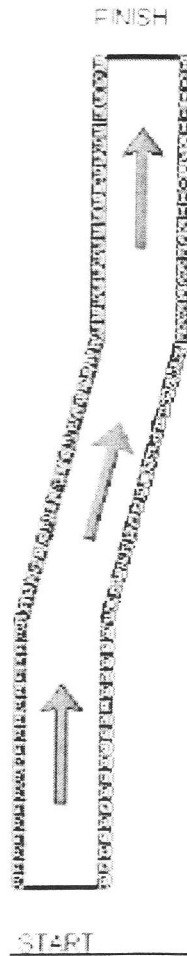


Slow Ride



Enter and only complete one revolution in the circle then exit.

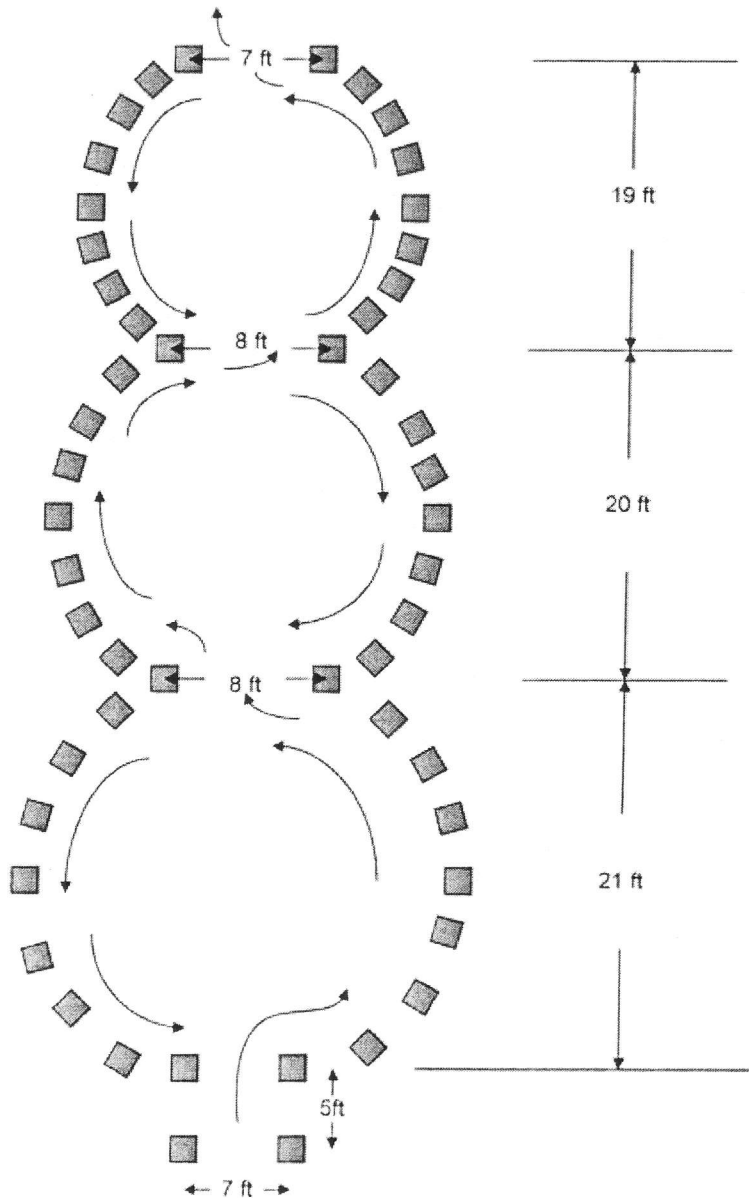
Slow Ride



In this timed event, the rider attempts to negotiate their motorcycle down a 50 ft. by 4.5 ft. course lined with cones as slowly as possible. If the rider goes out of bounds or puts their foot down, the timer is stopped.

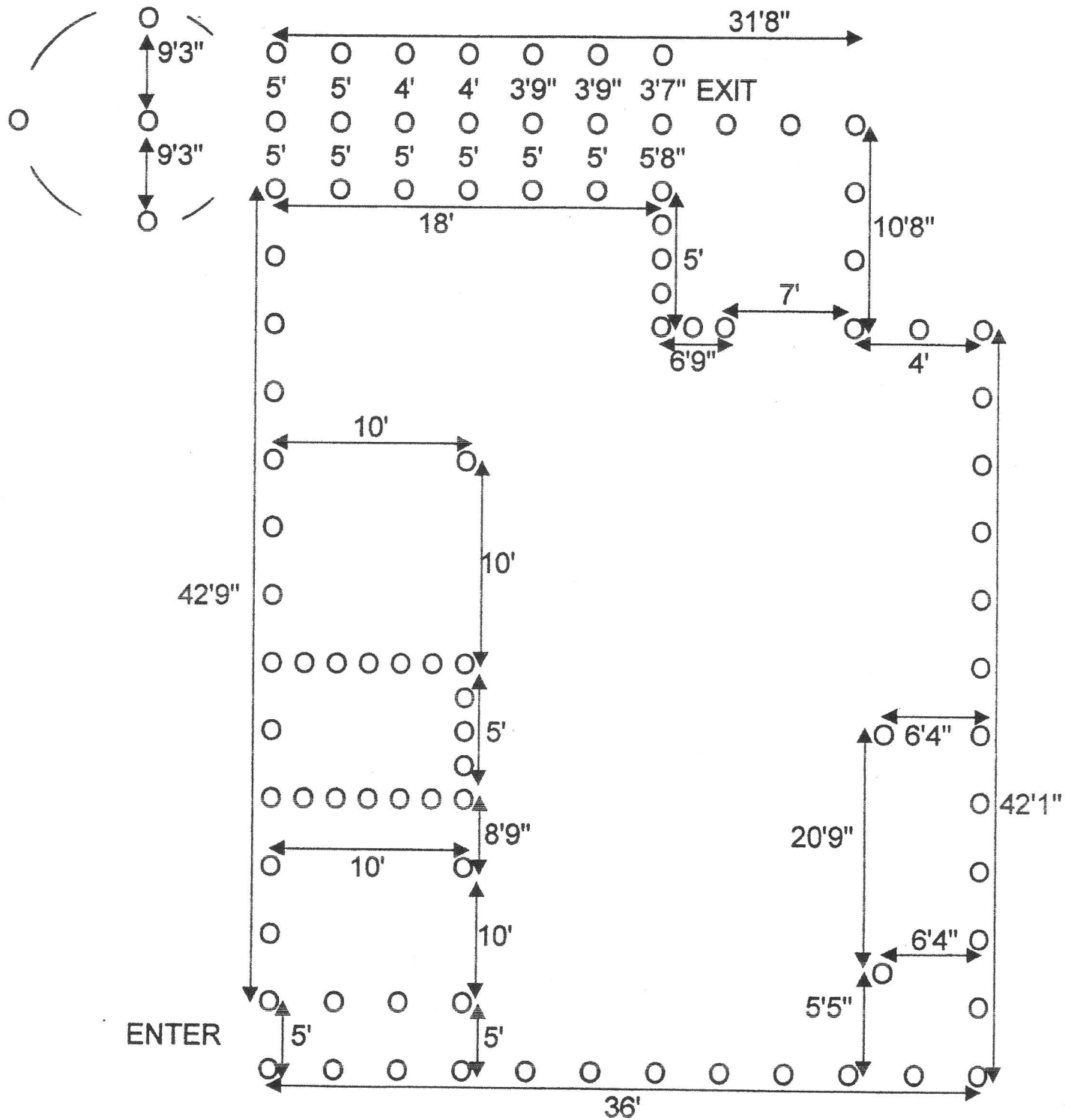
Snowman

All measurements are from center to center. The diameters of the circles should be from center of one cone, directly across center to center of opposite cone.

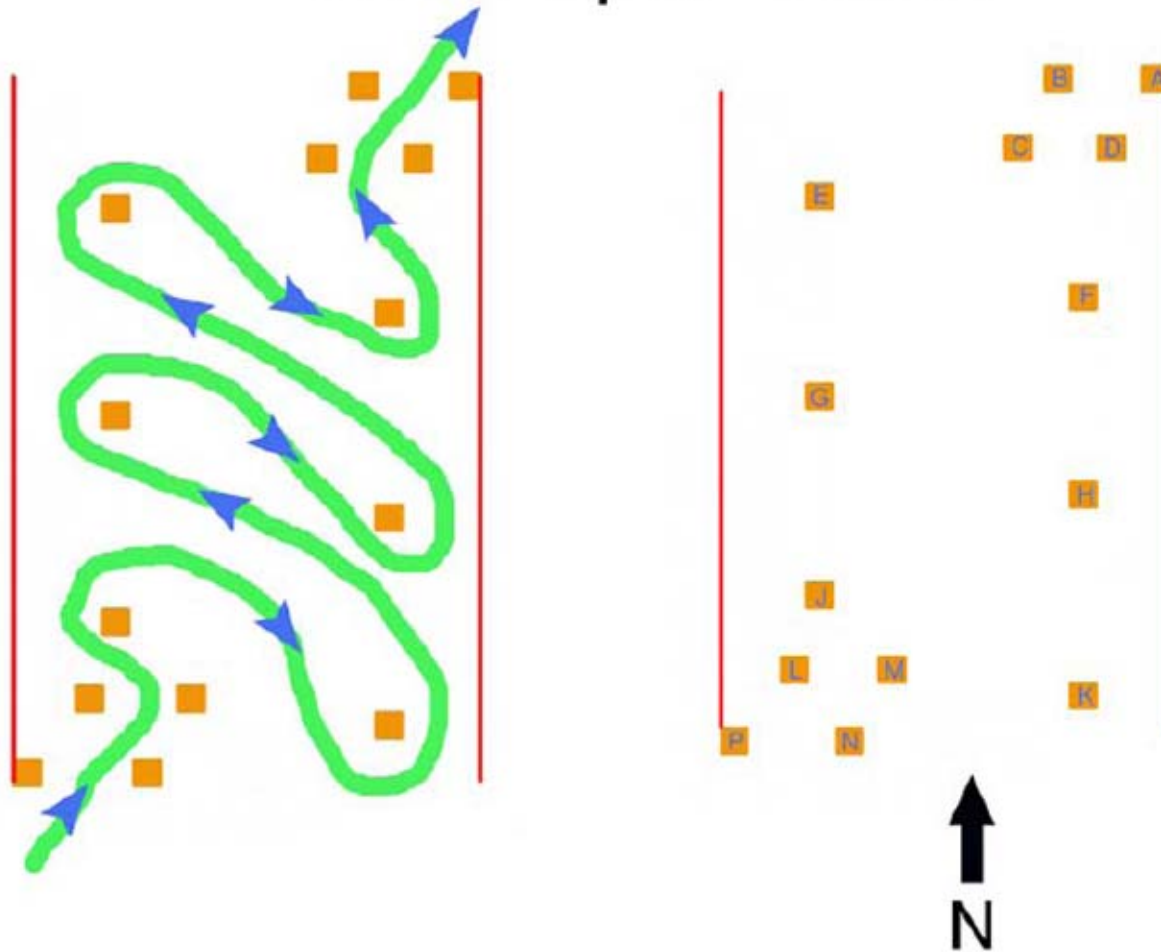


THE STREETCAR LARGE TRACK

REVISED 7/28/99



The Super Offset

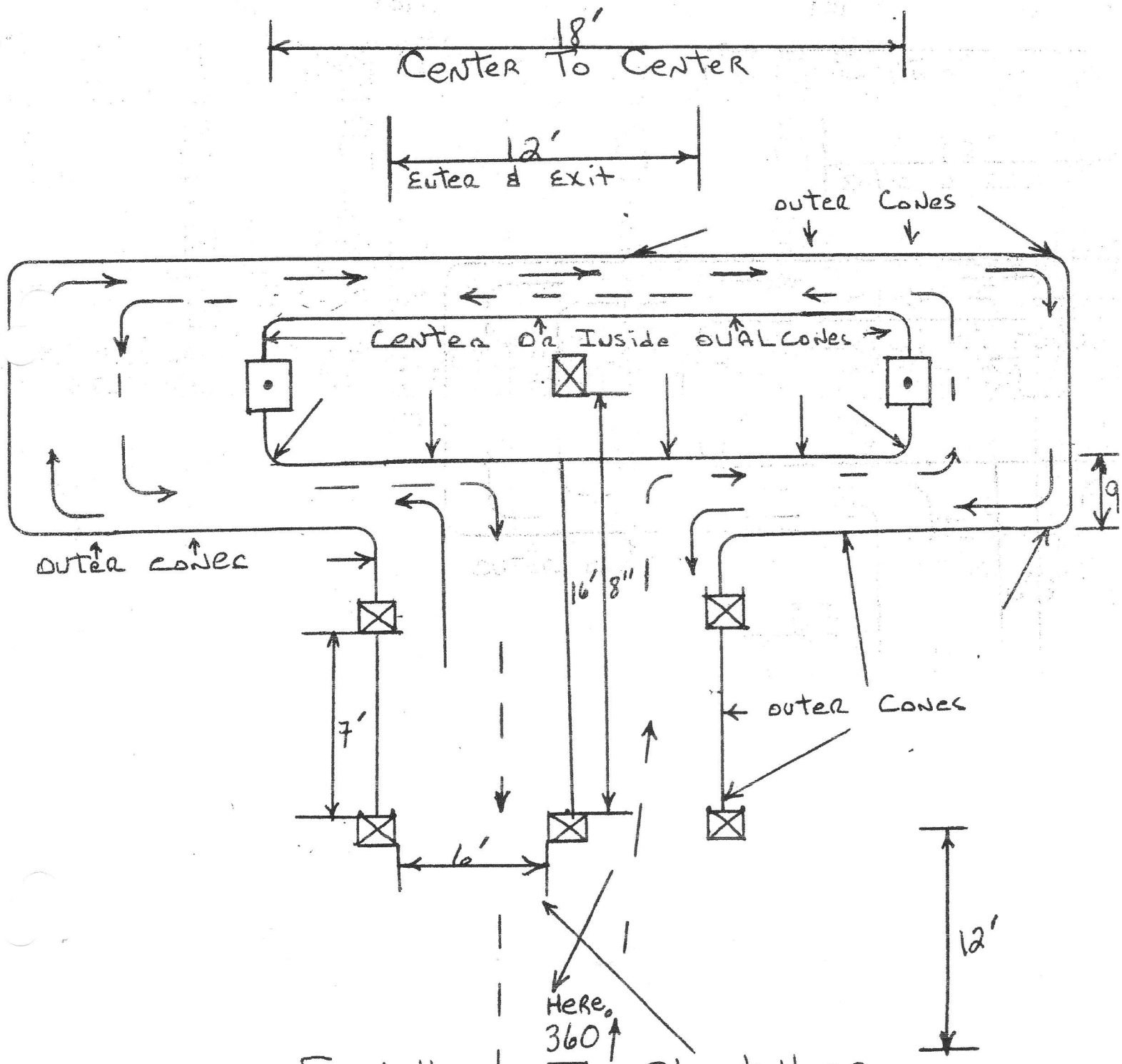


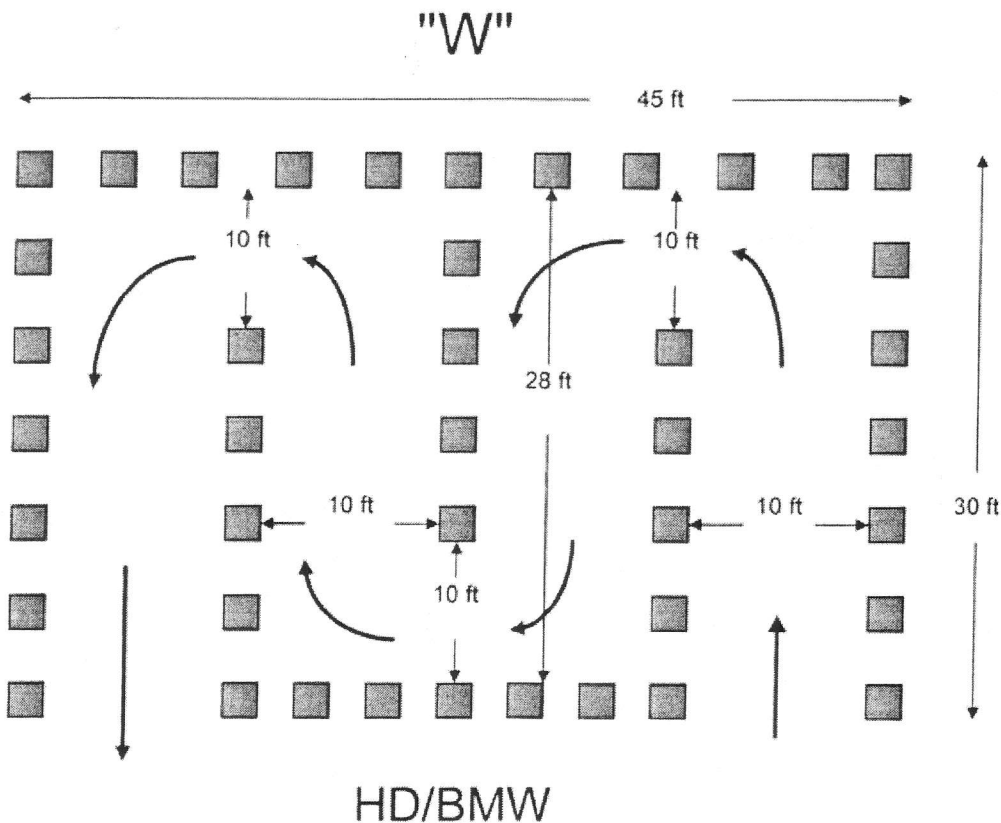
<i>Cone #</i>	<i>South</i>	<i>West</i>
A	0	0
B	0	5'
C	9	9' 5"
D	9	5'
E	6'	24'
F	24'	8'
G	18' 6"	24'
H	37'	8'
J	31'	24'
K	49'	8'
L	47'	27'
M	47'	22' 7"
N	56'	27'
P	56'	32'

T-Bone Twist

Not to scale.

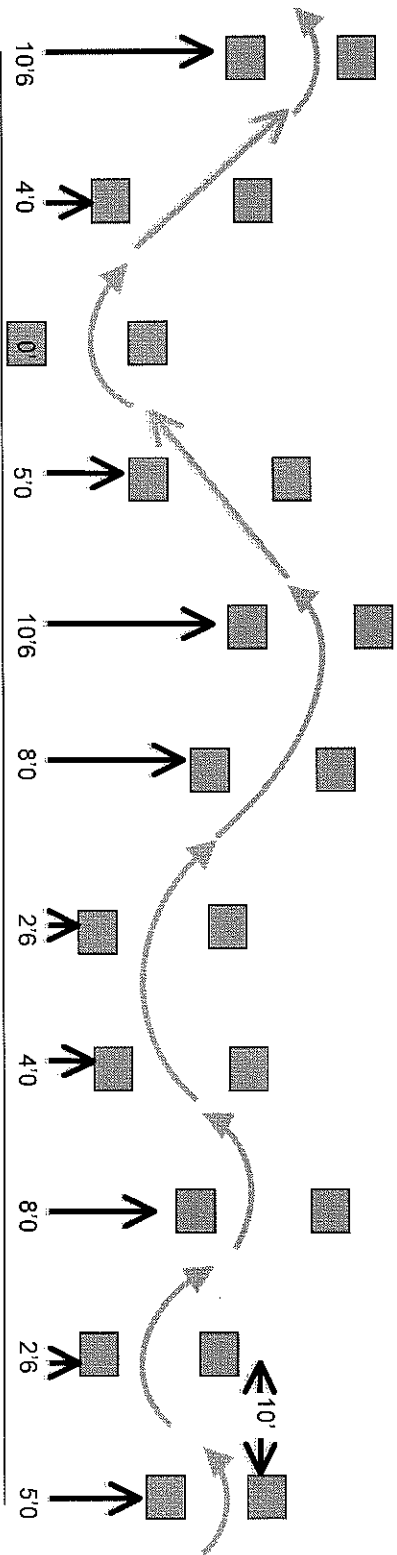
MEASUREMENTS ARE FROM BASE TO BASE UNLESS NOTED.
FROM CENTER OVAL CONES TO OUTER T CONES IS 9'





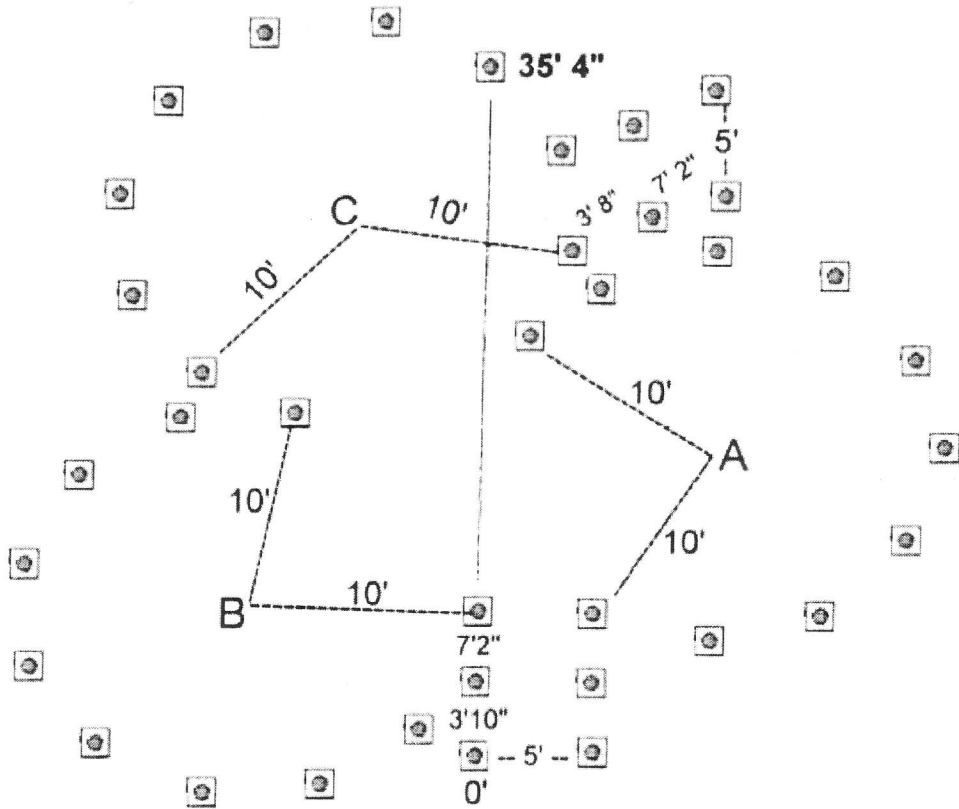
Measurements are to cone edge.

THE RATTLER



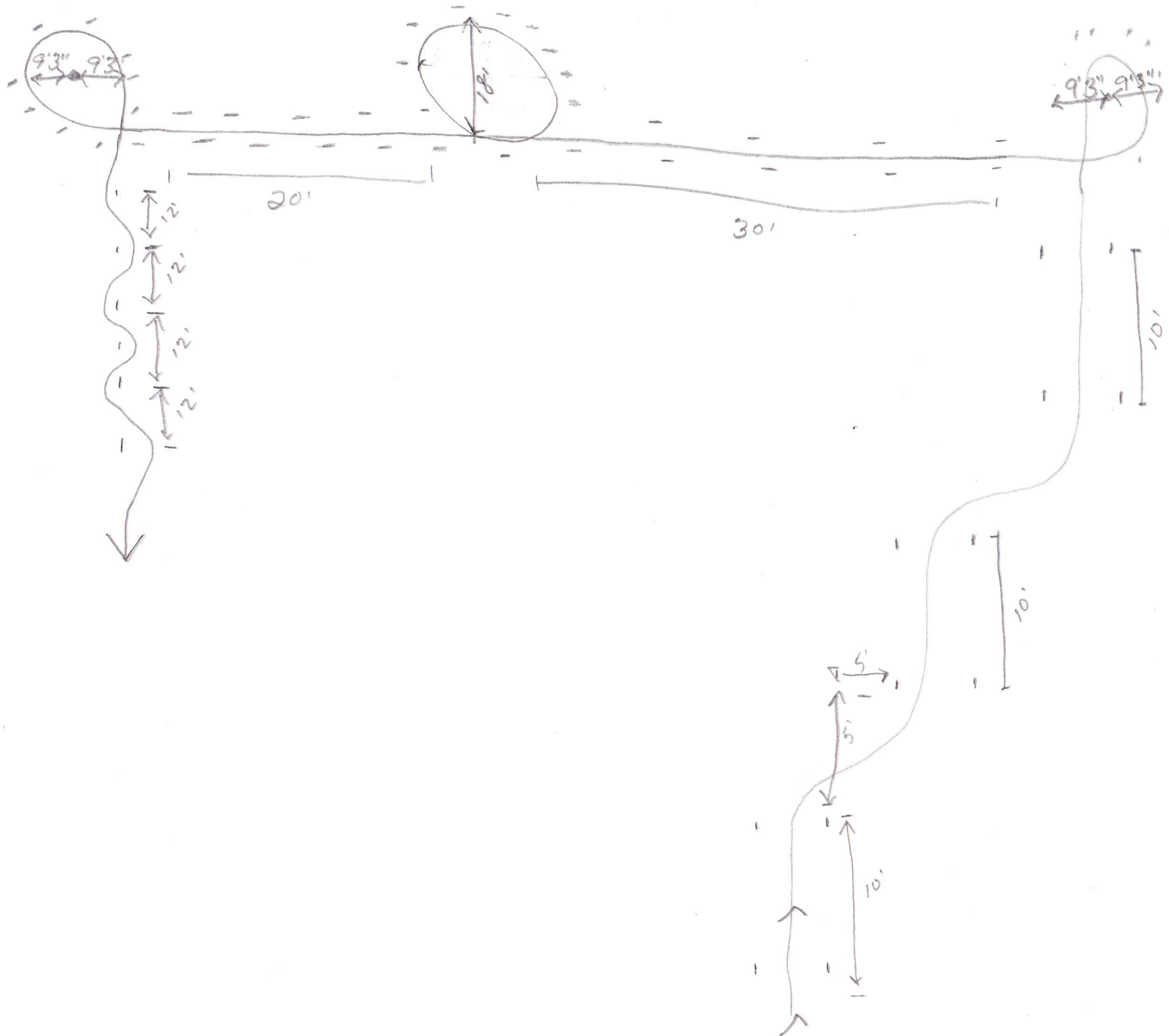
All measurements are center of cone to center of cone. This pattern requires 100 feet by 15 feet area. Each gate is 10 feet apart. The entrance and exit gates are 4 feet wide, all other gates are 4'6" wide. The measurements indicated are from the baseline to the center of the first (closest) cone.

Triple Circle

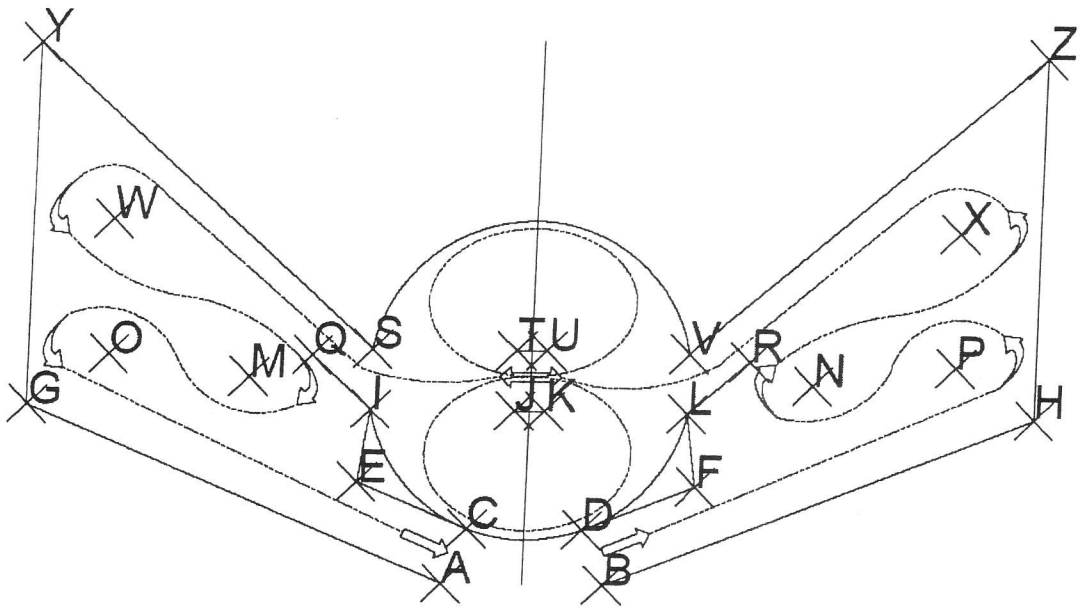


All measurements are to center of the cone

TRITT
SHUFFLE



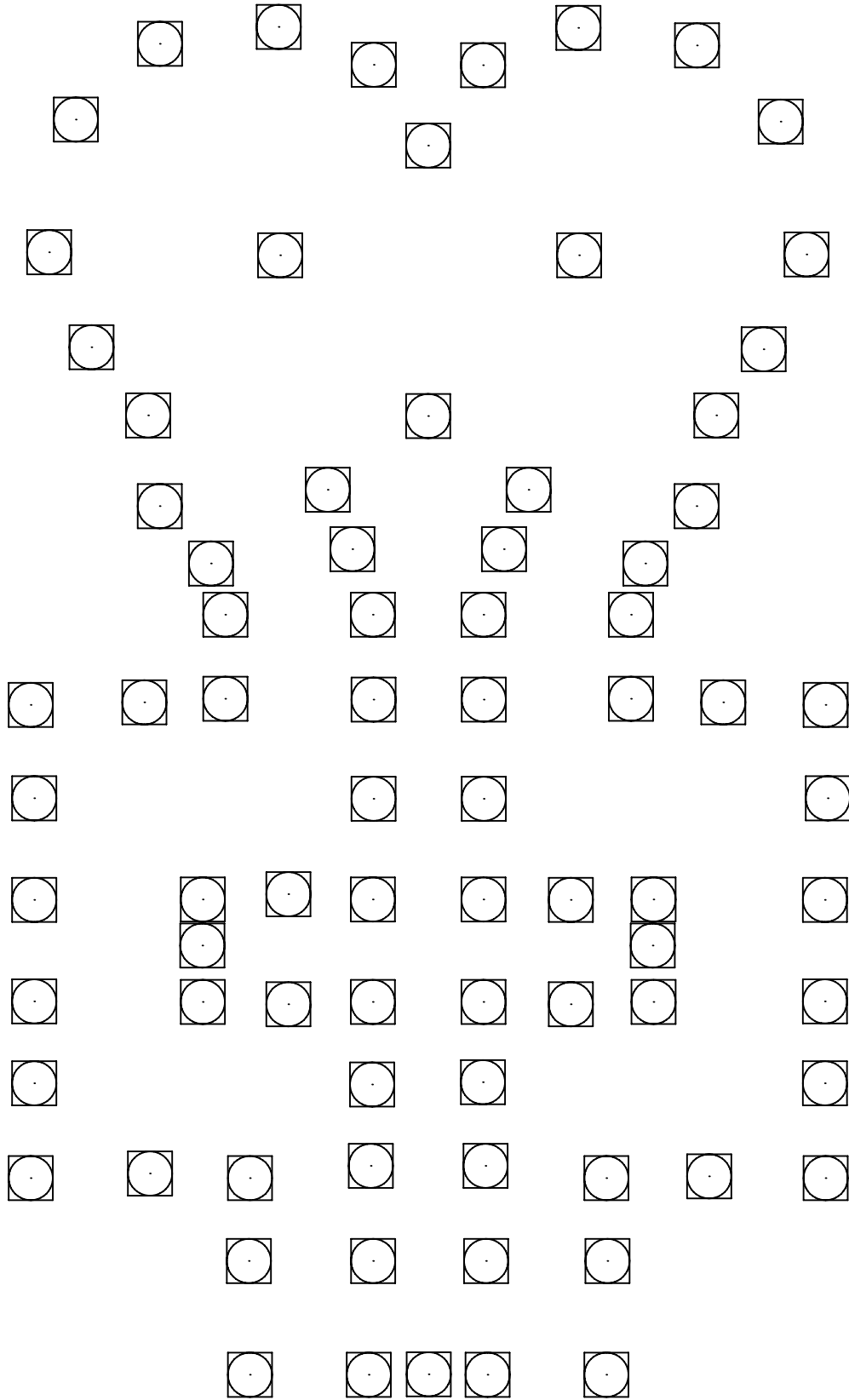
Winged Wheel



The "Winged Wheel"

RP	UP	OVER
A	0	7' 11"
B	0'	7' 11"
C	5' 7"	5' 8"
D	5' 7"	5' 8"
E	10' 1"	16' 9"
F	10' 1"	16' 9"
G	17' 4"	50'
H	17' 4"	50'
I	17' 6"	15' 8"
J	17' 6"	1' 6"
K	17' 6"	1' 6"
L	17' 6"	15' 8"
M	20' 6"	28'
N	20' 6"	28'
O	22' 6"	42'
P	22' 6"	42'
Q	22' 10"	21' 8"
R	22' 10"	21' 8"
S	23' 6"	15' 9"
T	23' 6"	1' 6"
U	23' 6"	1' 6"
V	23' 6"	15' 9"
W	36'	42'
X	36'	42'
Y	53' 6"	50'
Z	53' 6"	50'

To setup this course, use a baseline measurement system. All measurements are to the center of the cone. There are cones on all reference points in this course. The circle has a 16' radius.



"The Wrench" Baseline Measurements

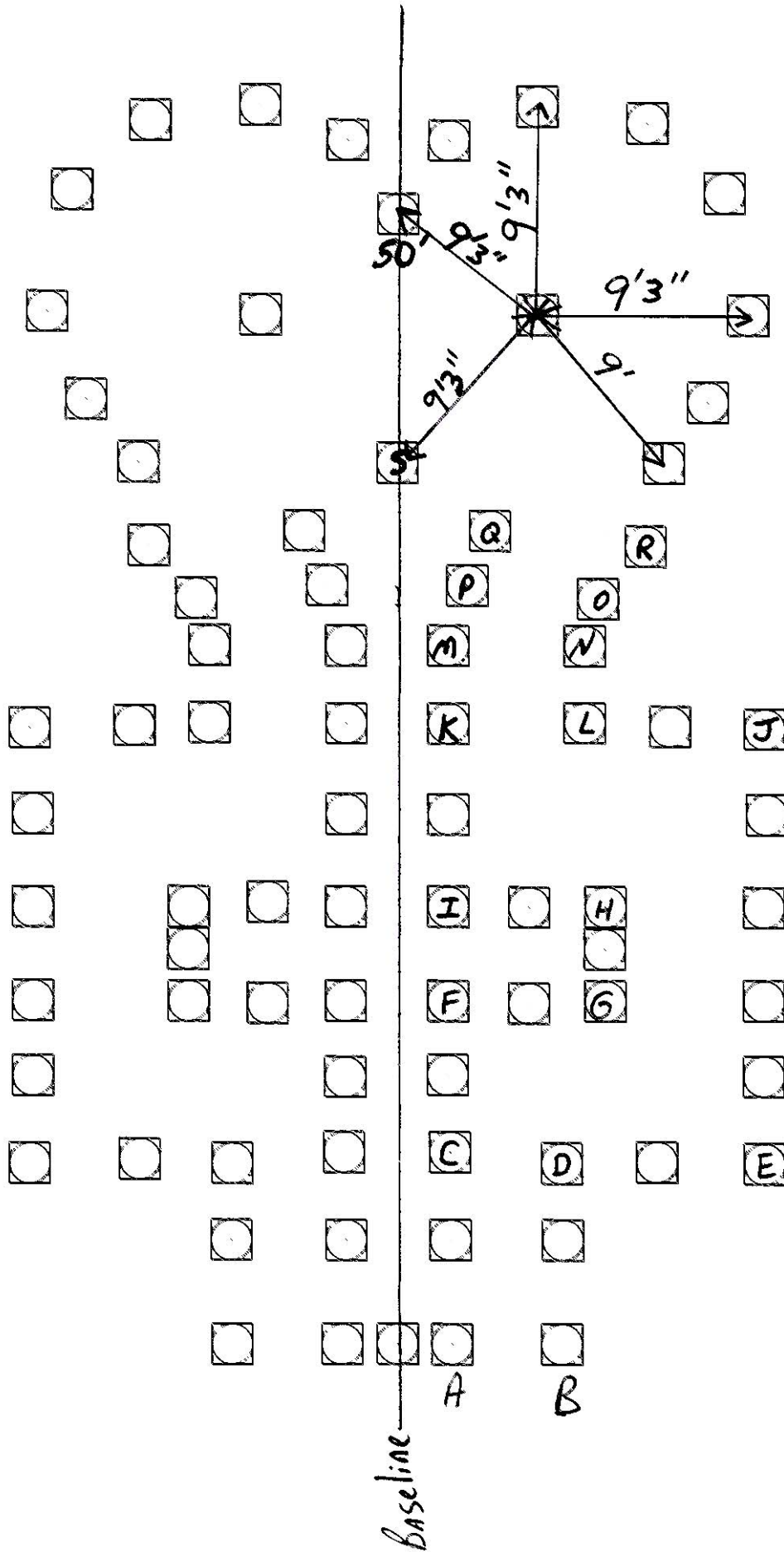
	X	Y (Baseline)
A	2' 5"	0
B	7' 3"	0
C	2' 4"	8' 6"
D	8'	8' 6"
E	16' 2"	8' 6"
F	2' 3"	15' 2"
G	9' 2"	15' 2"
H	9' 2"	19' 4"
I	2' 3"	19' 4"
J	16' 2"	27' 6"
K	2' 3"	27' 6"
L	8' 3"	27' 6"
M	2' 3"	30' 11"
N	8' 3"	30' 11"
O	8' 10"	33'
P	3' 1"	33' 7"
Q	4' 1"	36'
R	10' 11"	35' 4"
S	0	39'

The area between the key cones is to be filled in with cones.

The Measurements are Center Cone to Center Cone

The two sides are mirror images after you have completed the right side use the same X measurements on the negative side to get the left side of the course.

The Wrench

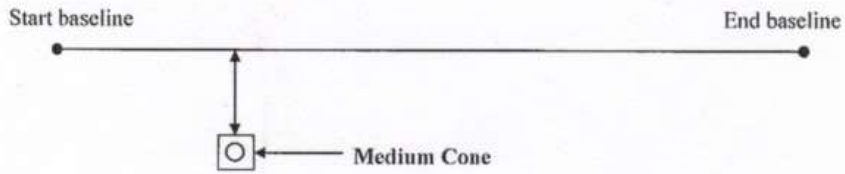




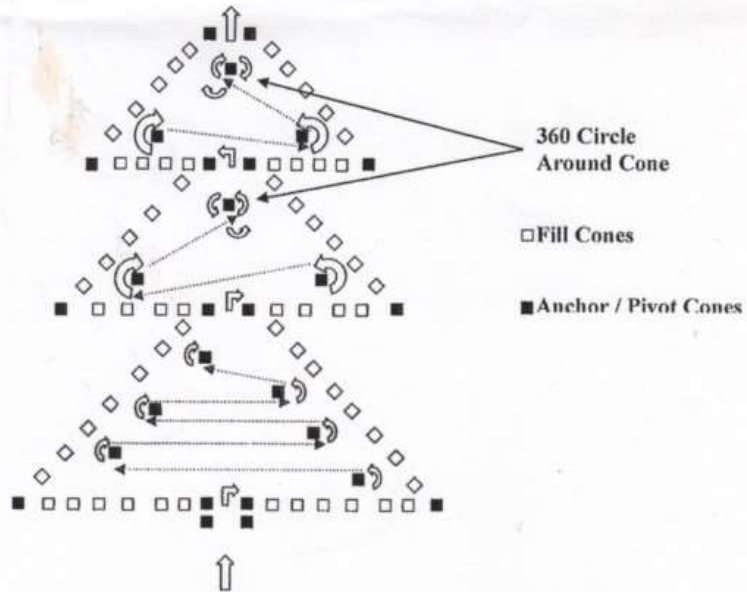
NW Evergreen Designed by Lynnwood PD

How cones are measured (Except #19 & #26).

Measure from baseline to inside, center of cone.



Cone # 19 and #26 are placed on the baseline, like so.

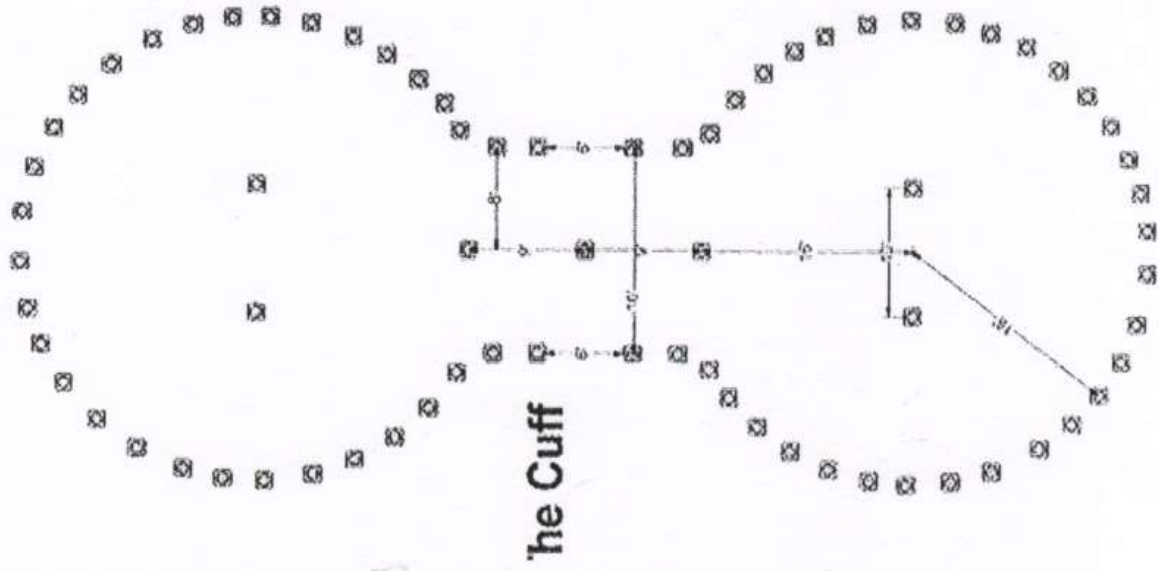
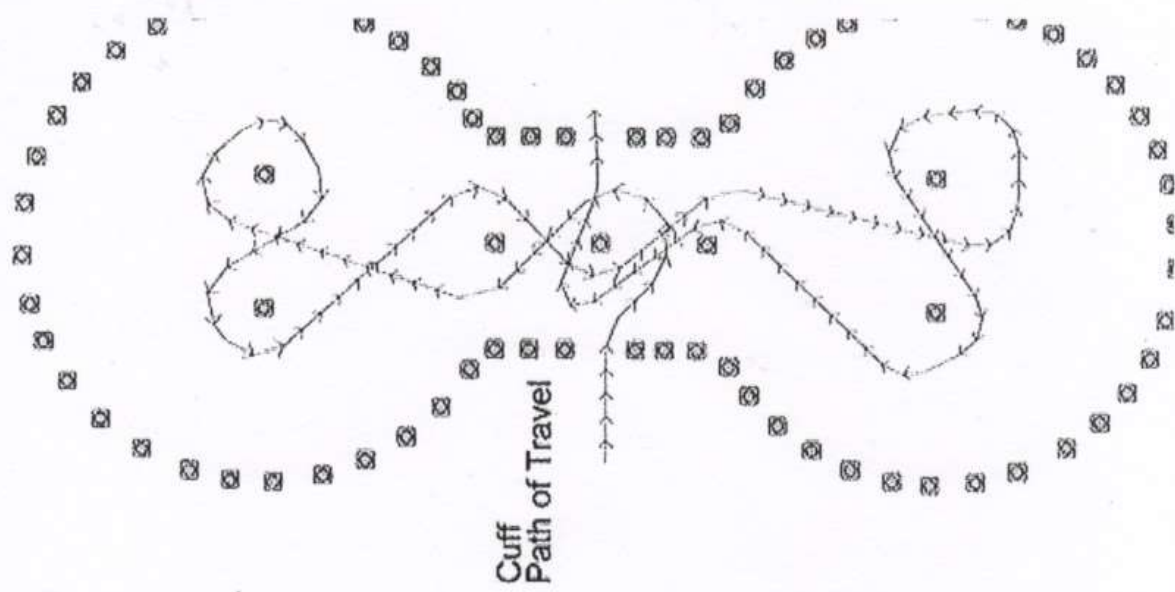


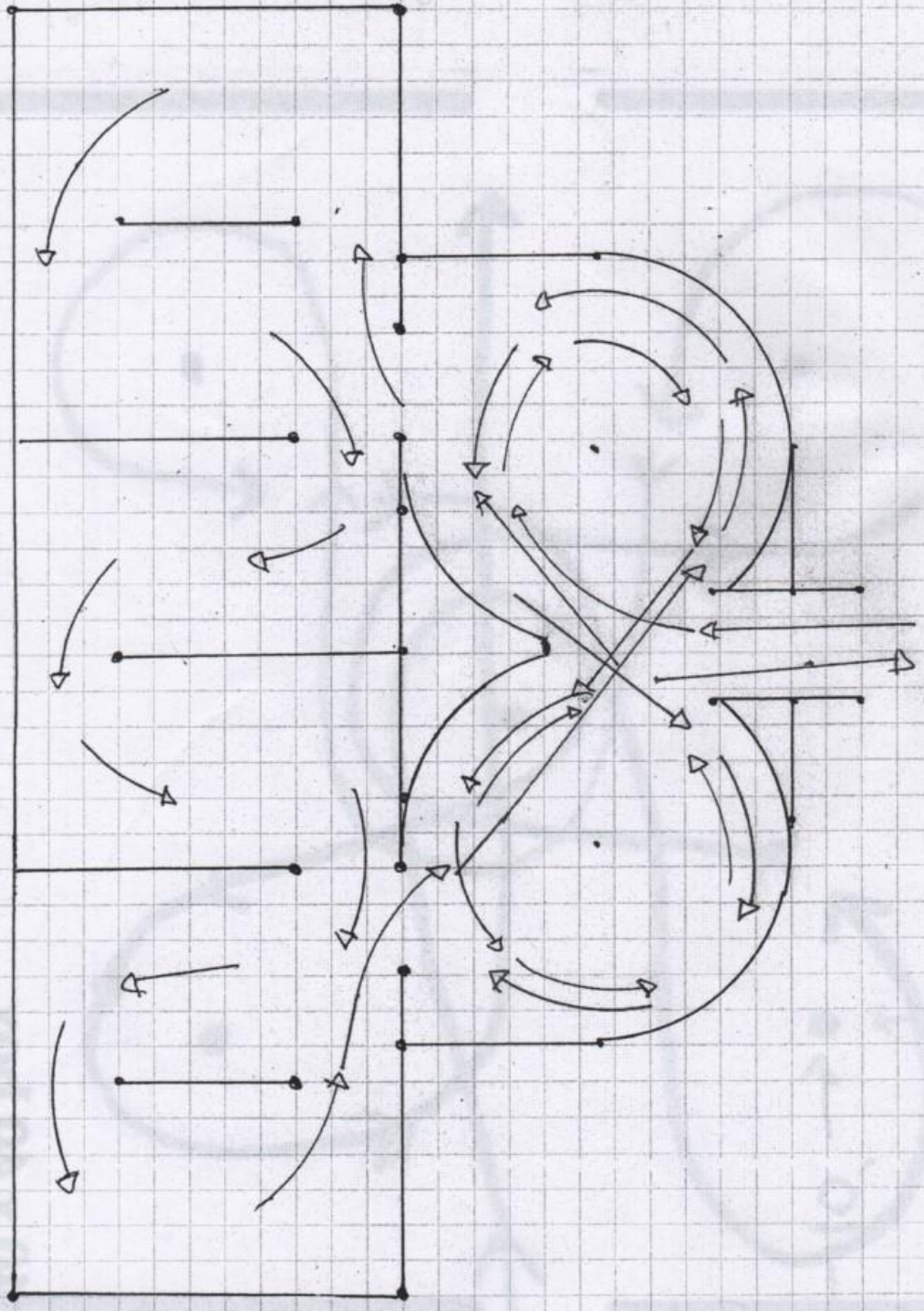


NW Evergreen Designed by Lynnwood PD

- Baseline Start to End is 140'
- All measurements are right and left of the baseline. The anchor and pivot cones are the only cones measured. Fill cones will have to be placed in line with the anchor cones.
- Cones are placed as follows; baseline measurement to center and inside edge of cone. (See Diagram)

Cone	Distance on baseline	Distance	Left or Right of baseline
1.	0	2'6"	R
2.	0	2'6"	L
3.	3'	2'6"	R
4.	3'	2'6"	L
5.	3'	30'	R
6.	3'	30'	L
7.	12	19'	R
8.	15'6"	17'6"	L
9.	21'6"	13'10"	R
10.	28'3"	10'10"	L
11.	35'8"	6'1"	R
12.	47'5"	1'6"	L
13.	56'	2'6"	R
14.	56'	2'6"	L
15.	56'	23'	R
16.	56'	23'	L
17.	64'	8'	R
18.	64'	8'	L
19.	79'	0	Cone dead center on baseline
20.	93'	2'6"	R
21.	93'	2'6"	L
22.	93'	22'	R
23.	93'	22'	L
24.	101'6"	7'6"	R
25.	101'6"	7'6"	L
26.	115'6"	0	Cone dead center on baseline
27.	130'	2'6"	L
28.	130'	2'6"	R

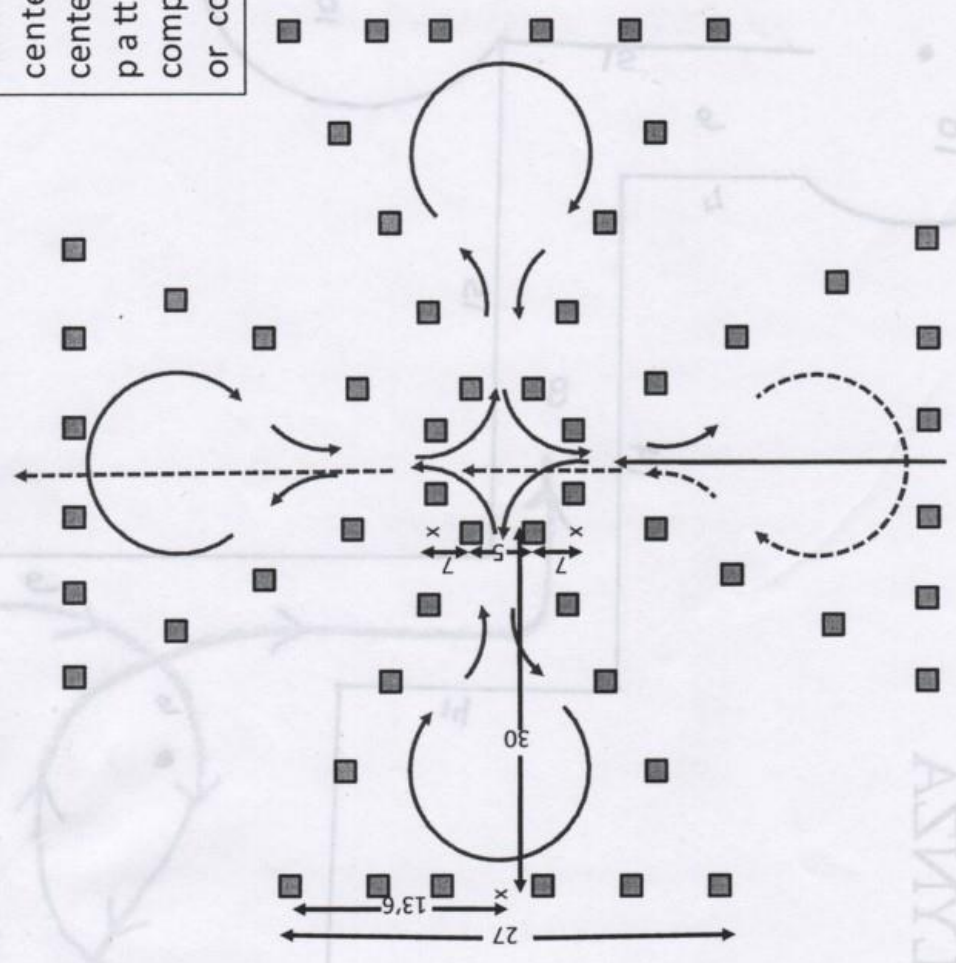




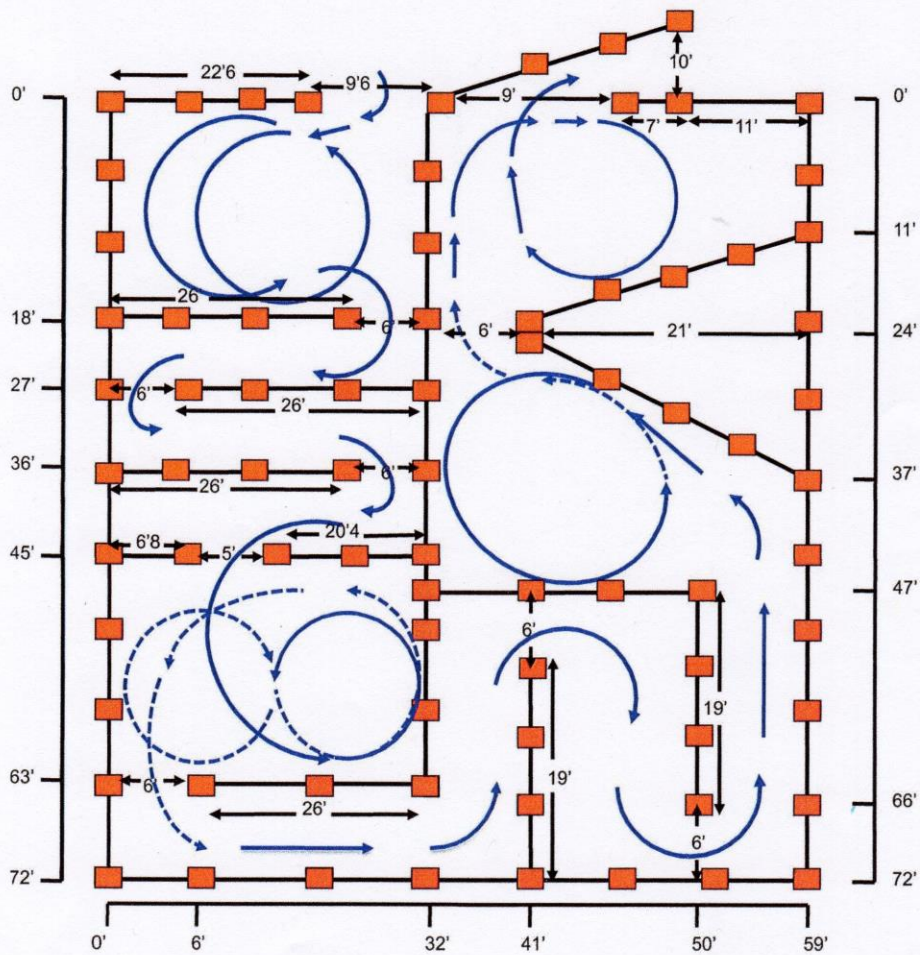
"The Capital"

The Kaizer Kross

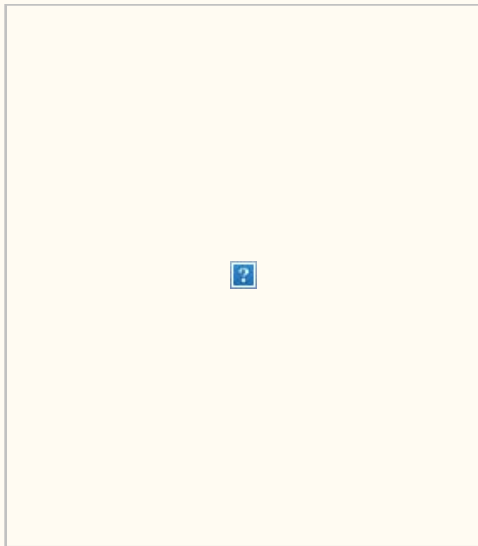
All measurements are center of cone to center of cone. This pattern can be completed clockwise or counter-clockwise.



CRACKERJACK BOX



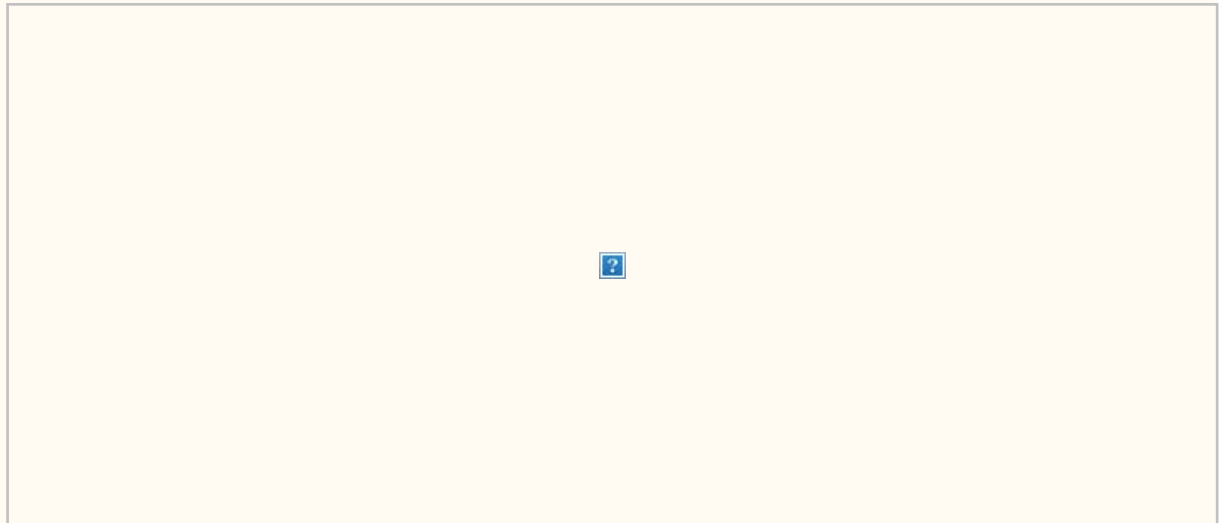
All measurements are center of cone to center of cone.



Police Motor Units

The History of Motorcycle Law Enforcement

"Virtual Museum"



Cone Patterns

These are cone patterns used by Motor Units and Officers to keep up and improve their riding skills.

'The Cone'

Though it seems like a giant

It's really quite small.

And actually quite harmless

But feared by us all.

No matter how long you've ridden
Or how good you think you are,
"The Cone" will let you know
Before you've ridden very far.

"The Cone" is the master
It makes you turn when you can't,
You'll cut corners and lean
And hang on by the seat of your pants.

"The Cone" pushes you as it guides you
Through each and every turn.
And just when you think you've beat it,
You crash and burn.

As you clear the last cone pattern
And your nerves are completely shot,
What you thought was a clean run
Turns out was not!

"The Cone" you hear laughing
As it lays on the ground.
It screams at you saying'
"See ya next year clown, I'll be around!"

By Lt. Stan Kittrell

Hattiesburg, MS Police Depart

[45 Degree Pull Out](#)

[90 Degree Right Turn](#)

[180 Decel #2](#)

[180 Decel HD](#)

[180 Degree U-Turn](#)

[Ace of Clubs](#)

[Ace of Diamonds](#)

[Ace of Hearts](#)

[Ace of Spades](#)

[Al Cannon](#)

[Ballpark](#)

[Beehive](#)

[Big O](#)

[Bo's Back Door](#)

[Bo's Back Yard](#)

[Brake and Evade](#)

[Bruce](#)

[Cajun Craze](#)

[Capitol](#)

[Cooper](#)

[COPS Blue Ribbon Slow Ride](#)

[Coriolis](#)

[Crackerjack Box](#)

[Crazy Eight](#)

[Da Rouge](#)

[Double 360](#)

[Eye Of The Storm](#)

[El Diablo](#)

[Fairfax](#)

[Fantastic Four](#)

[French Quarter Tour Large](#)

[Glock](#)

[Glock Measurements](#)

[Guitar](#)

Hangman

Harp

Hell's Kitchen

Hourglass

Hurricane Large

In and Out Box

Influlynza

Intersection

L of A Cross

Lane Change

Lollipop

Loopty Loop

Maple Leaf Forever

Maze 1

Maze 2

Maze 3

Maze 4

Mid Atlantic Cone Weave

Might Mississippi Large

Mirror Maze

Mouse Trap

NCS Large

NCS

No Name Large

NW Evergreen

Obstacle Course Lane Change

Offset

Offset Cone Weave

[Offset Cloverleaf](#)

[Pitchfork](#)

[Plug Pattern](#)

[Rattler](#)

[Red Stick Cone Weave](#)

[Red Stick Cone Weave 2](#)

[S Curve No Brake](#)

[S Curve](#)

[Santa Rosa](#)

[Serpentine](#)

[Sickle](#)

[Slow Cone Weave](#)

[Slow Ride](#)

[Slow Ride 2](#)

[Snowman](#)

[St. Christopher](#)

[Star](#)

[Streetcar Large](#)

[Super Offset](#)

[T-Bone Twist](#)

[The Capital](#)

[The Circle Square](#)

[The Cuff](#)

[The Kaizer Kross](#)

[Tiger Den](#)

[Triple Circle](#)

[Tritt Shuffel](#)

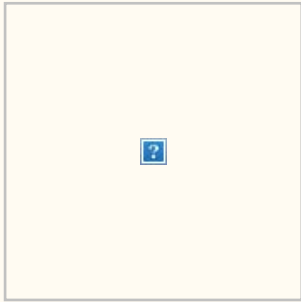
[Turn Obstruction](#)

Vandy

"W"

Winged Wheel

Wrench



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MOTORCYCLE RIDER SKILL TEST INSTRUCTIONS

This test consists of four riding exercises that measure your motorcycle control and hazard response skills. The final two exercises involve speeds of about 15 mph. You will be scored on time and distance standards as well as path and foot down violations. The test may be ended for point accumulation, committing an unsafe act or failure to understand or follow instructions. You may stop the test at any time, but you must complete the entire test to pass it. Do you understand the instructions I have just read?

ENGINE STALLING

- Points are assessed if you stall your engine at any time during any exercise.
- Stalling the engine four times during this test is an automatic failure.
- Do you understand the instructions on Engine Stalling?

CONE WEAVE, NORMAL STOP

- When signaled, ride to the right of the first cone, to the left of the second, and so on. Weave past all five cones without touching or skipping a cone or putting a foot down.
- Turn left and ride toward that side of the course. Make a smooth, non-skidding stop with your front tire inside that box.
- When stopped, your front tire must not touch the painted lines. Remain stopped.
- Do you understand the instructions for the Cone Weave and Normal Stop?
- Wait for my signal to begin.

TURN FROM A STOP, U-TURN

- When signaled, make a right turn between the boundary lines. Do not touch either line.
- Diagonally, cross to the opposite side of the range and make a left u-turn inside the painted box at the far end of the range.
- Do not touch the solid line (motorcycles 600cc or more) or the dashed line (motorcycles less than 600cc) or put a foot down.
- Stop with your front tire inside that box and wait for further instructions.
- Do you understand the instructions for the Turn From a Stop and U-Turn?
- Wait for my signal to begin.

QUICK STOP

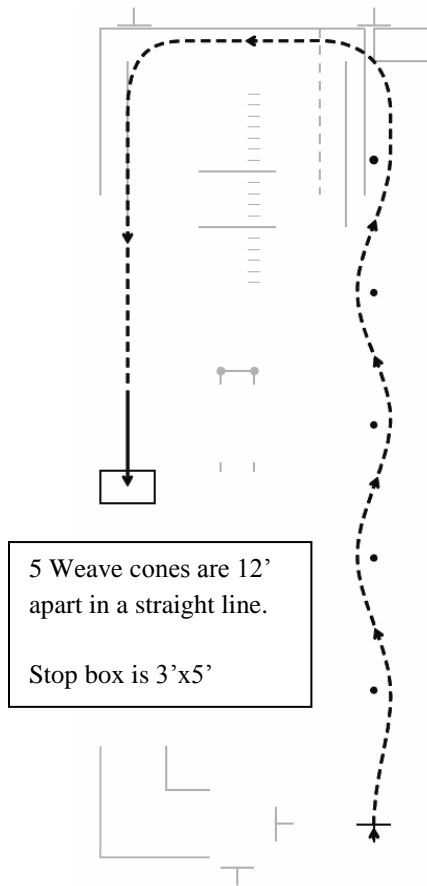
- Position your motorcycle on that T.
- On my signal, accelerate straight up this path. Stabilize your speed between 12-18 mph by the time you reach the first line.
- Maintain a steady speed.
- When your front tire crosses the second line, stop as fast as you safely can. You will not lose points if you skid.
- Once stopped, do not allow your motorcycle to roll in either direction.
- Do you understand the instructions for the Quick Stop?
- Proceed to the start T, and wait for my signal to begin.

OBSTACLE SWERVE

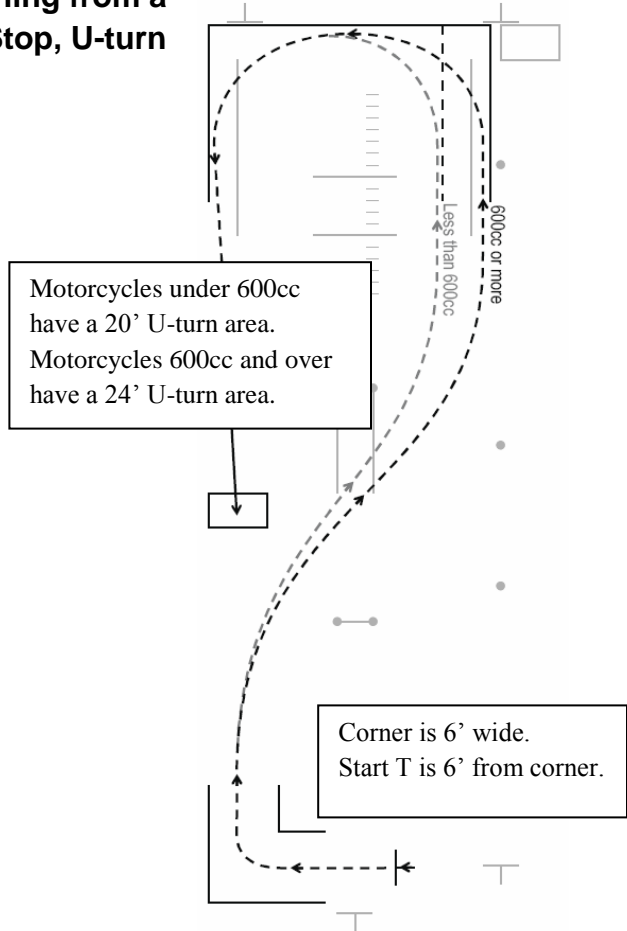
- Start at the same start T.
- On my signal, accelerate straight up this path. Stabilize your speed between 12-18 mph by the time you reach the first line.
- Maintain a steady speed.
- When your front tire passes the second line, swerve to the (right/left).
- Avoid the obstacle line and stay to the inside of the sideline. Do not touch either line.
- Stop smoothly and wait for further instructions.
- Do you understand the instructions for the Obstacle Swerve?
- Proceed to the start T, and wait for my signal to begin.

2-Wheel Riding Skill Test

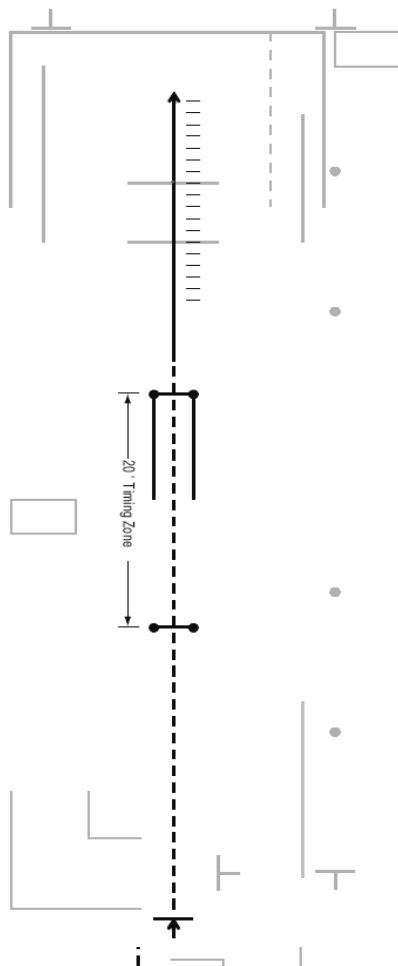
1 - Cone Weave, Normal Stop



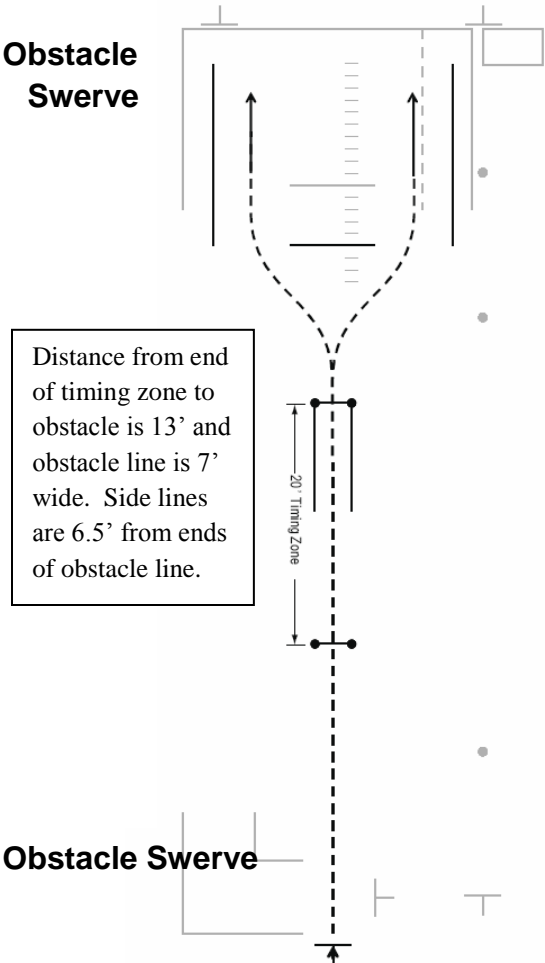
2 - Turning from a Stop, U-turn



3 - Quick Stop



4 - Obstacle Swerve



3 - Quick Stop

4 - Obstacle Swerve