Annual Project Work Plan – Trails Form

Submit to Park Manager for review and approval prior to commencing work: for ALL trail work beyond standard maintenance practices (blazing, clearing brush from treadway/tree pruning, maintenance of erosion control structures) on existing designated trails.

Year: 20_16_

State Park Name: __Hudson Highlands__

Organization: The New York-New Jersey Trail Conference
Contact Name: __Erik Mickelson__
Contact Address: 600 Ramapo Valley Rd.
Contact Phone #: _760-893-9331_
Contact Email Address: __emickelson@nynjtc.org__

Trail Name: __Undercliff__
Description of location of trail section to be worked on (if applicable): _____

GPS coordinates if available. Format: Decimal Degrees; Datum (circle one): NAD27, 83 or WGS84 (preferred)
(Lat/Long): __Near map crosshair ~41°26'41.3" N, 73°58'12.4" W__

Type of work (check all that apply):
☒ Re-alignment/relocation of trail section
☒ New trail development (includes designating new trails)
☐ Tread upgrades including installation of water management structures
☐ Bridge construction/replacement
☐ Trail Closure/Restoration
☐ Other: _____

Scope of work included in Trails Plan: ☐Yes ☒No (If no, requires additional review of proposal)

Description of work: (be specific including rock moving, tree cutting, trail work within 100 ft. of a water body/wetland, bridge work (*may require DEC permit*), construction of switchbacks or retaining walls, culvert and turnpike installation, etc.): __Definition of trail, and closure of unwanted social trails or shortcuts,__ __addition of steps, drains/reversals, and limiting step numbers with grades at <15%, or steeper for short runs__

Work Schedule: __After lower Undercliff mid May. Rovers May 20-22__

☒ Attached map depicting area of work (required). ☒Digital photo (before) ☐Digital photo (after).

Submitted by (print): __Erik Mickelson__   Signature: _[signature]_   Date: __4/21/16__
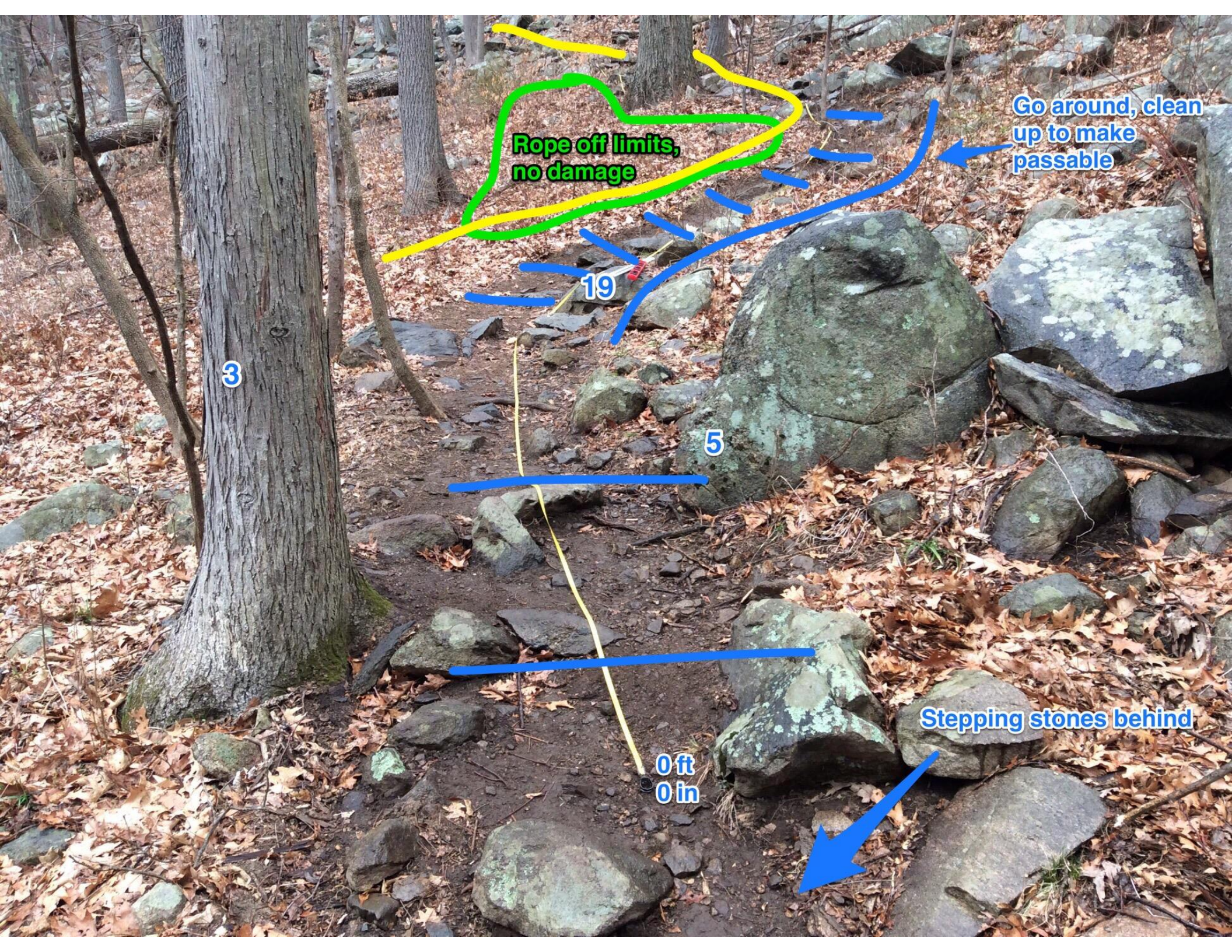
Approved by Park Manager (print): _____   Signature: _____   Date: _____

- Forward copy to Regional Natural Resource Steward and Capital Facilities Manager.
- Also forward copy to Trails Planning Unit if scope is not part of a Trails Plan.

Repairs and definition to occur near
crosshair, between green and red pins

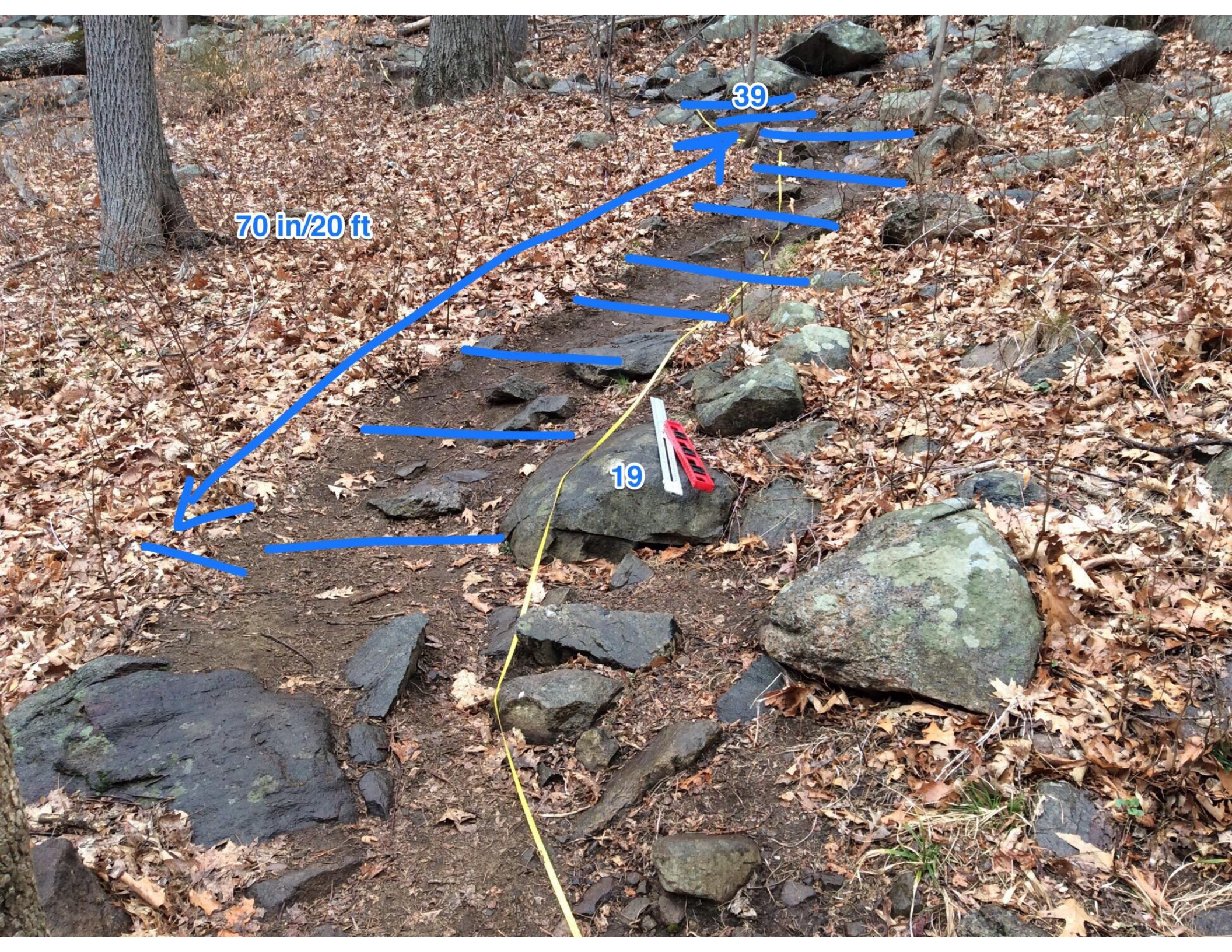Rope off limits, no damage

Go around, clean up to make passable

3

19

5

Stepping stones behind

0 ft
0 in

70 in/20 ft
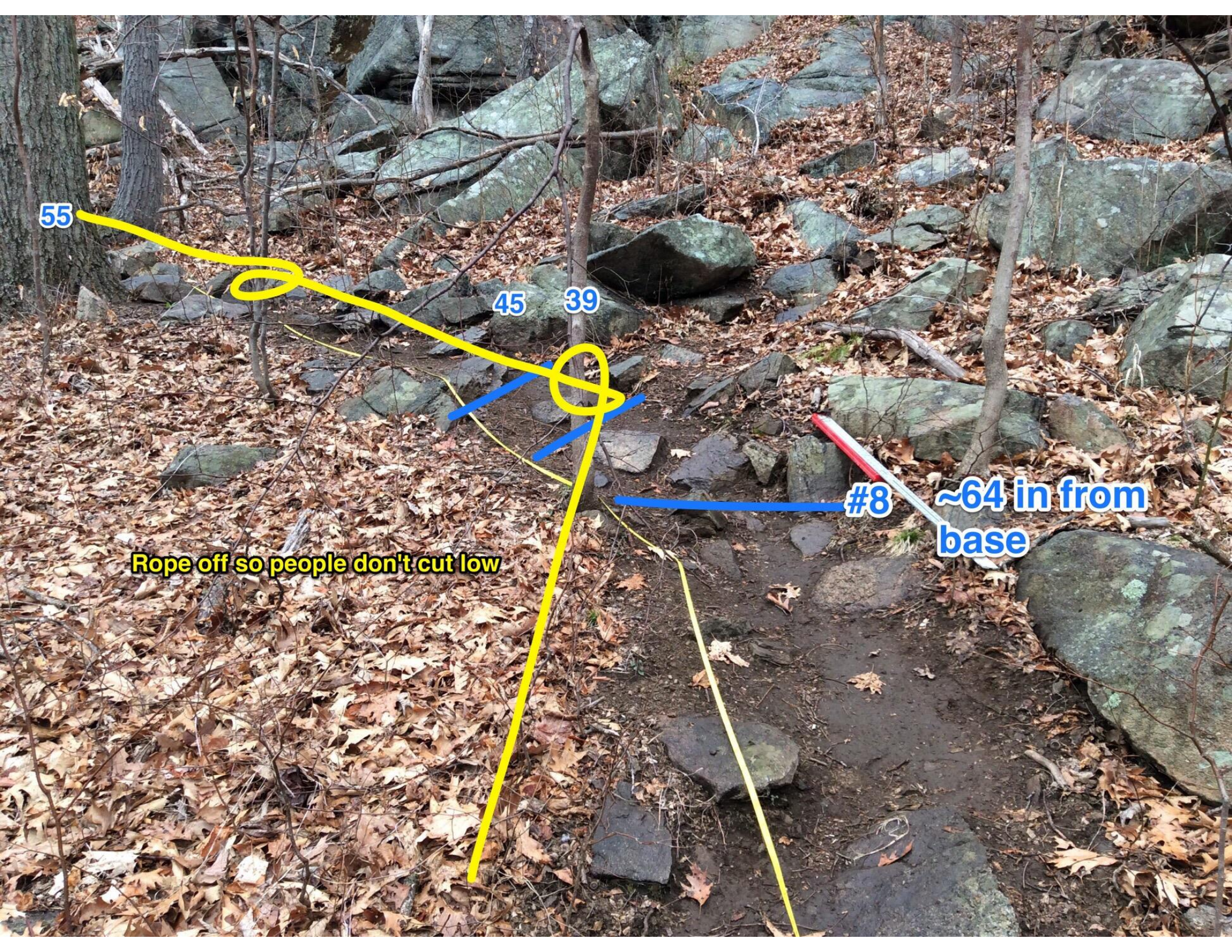
39

19

55

45 39

#8 ~64 in from base

Rope off so people don't cut low

Open define tread
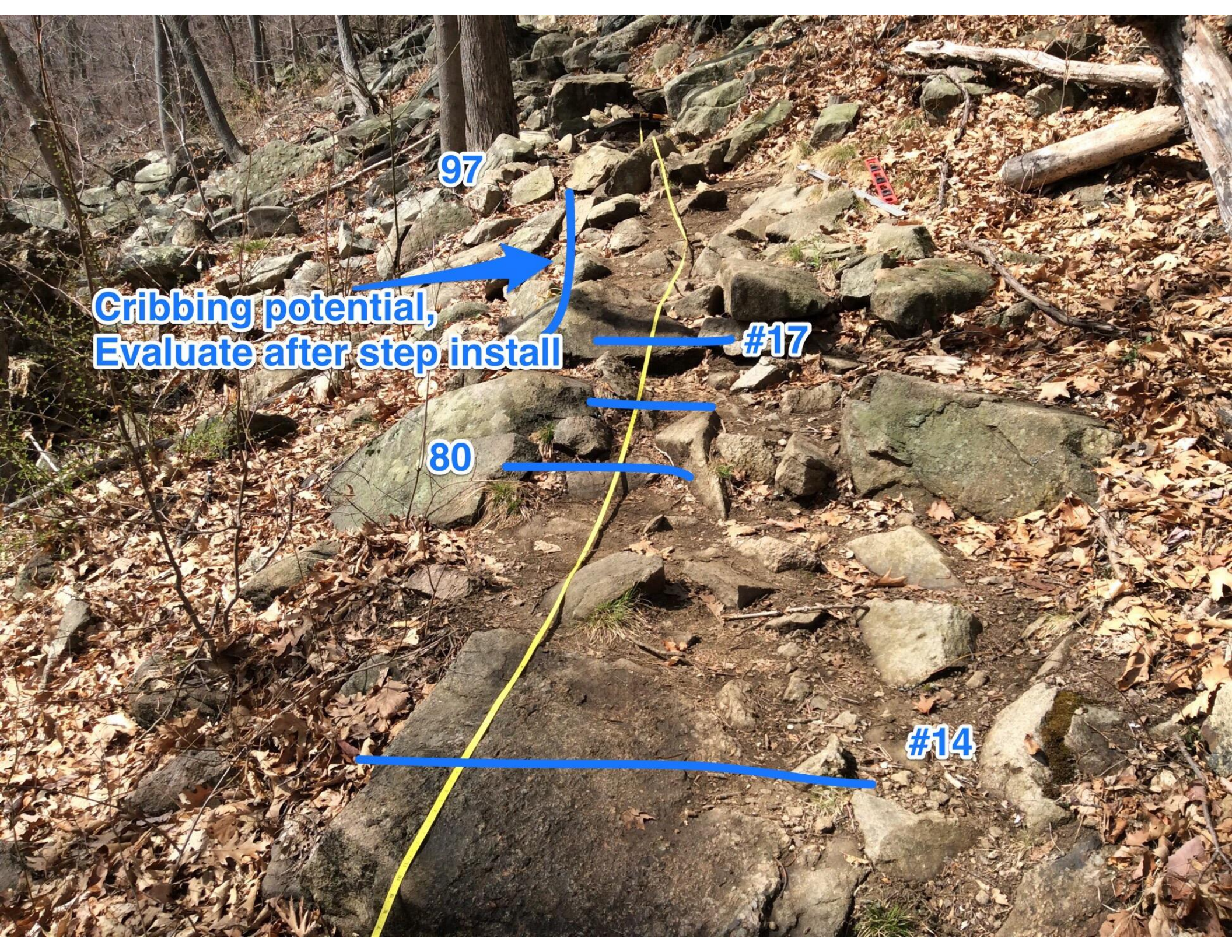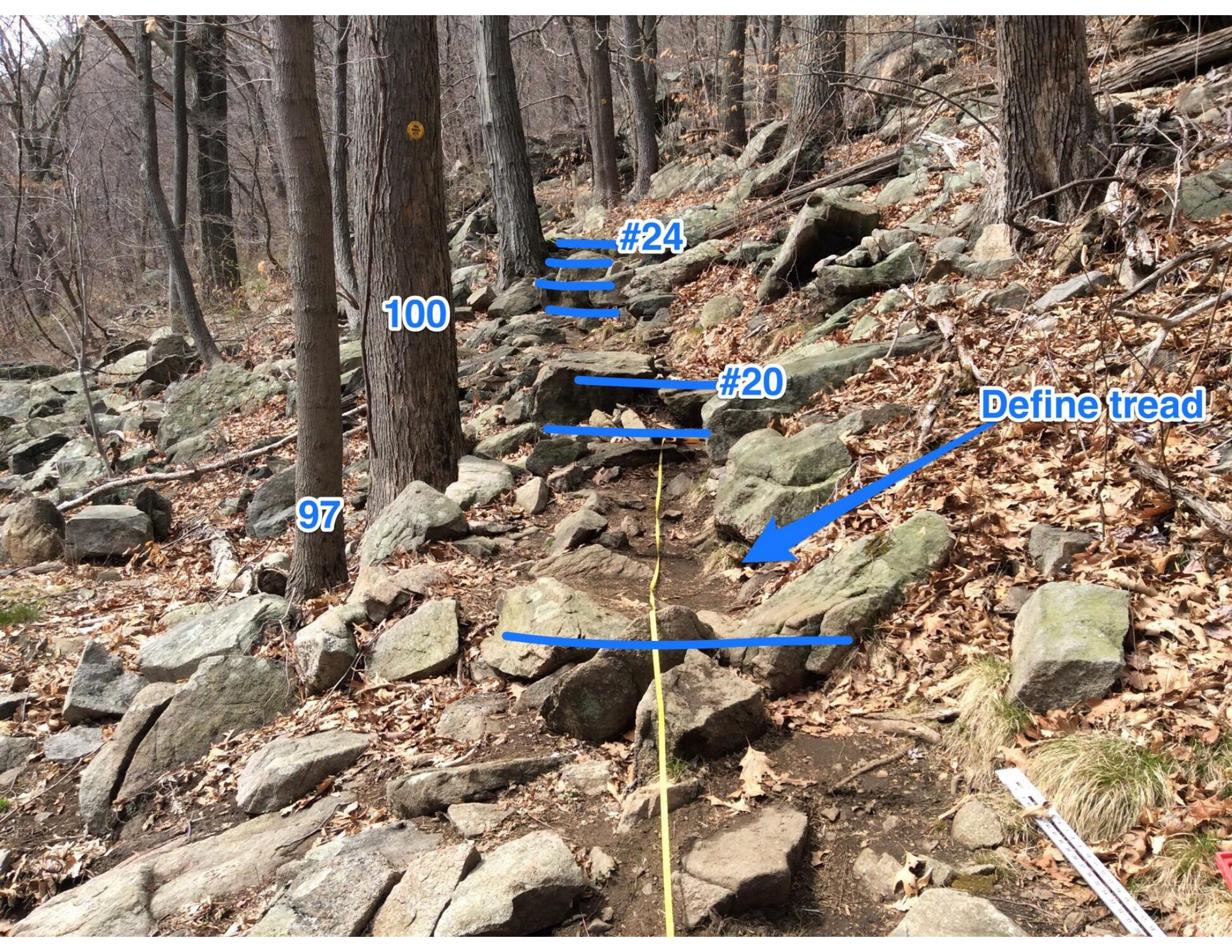
55

45

39

#10

55

65

#14

97

Cribbing potential,
Evaluate after step install
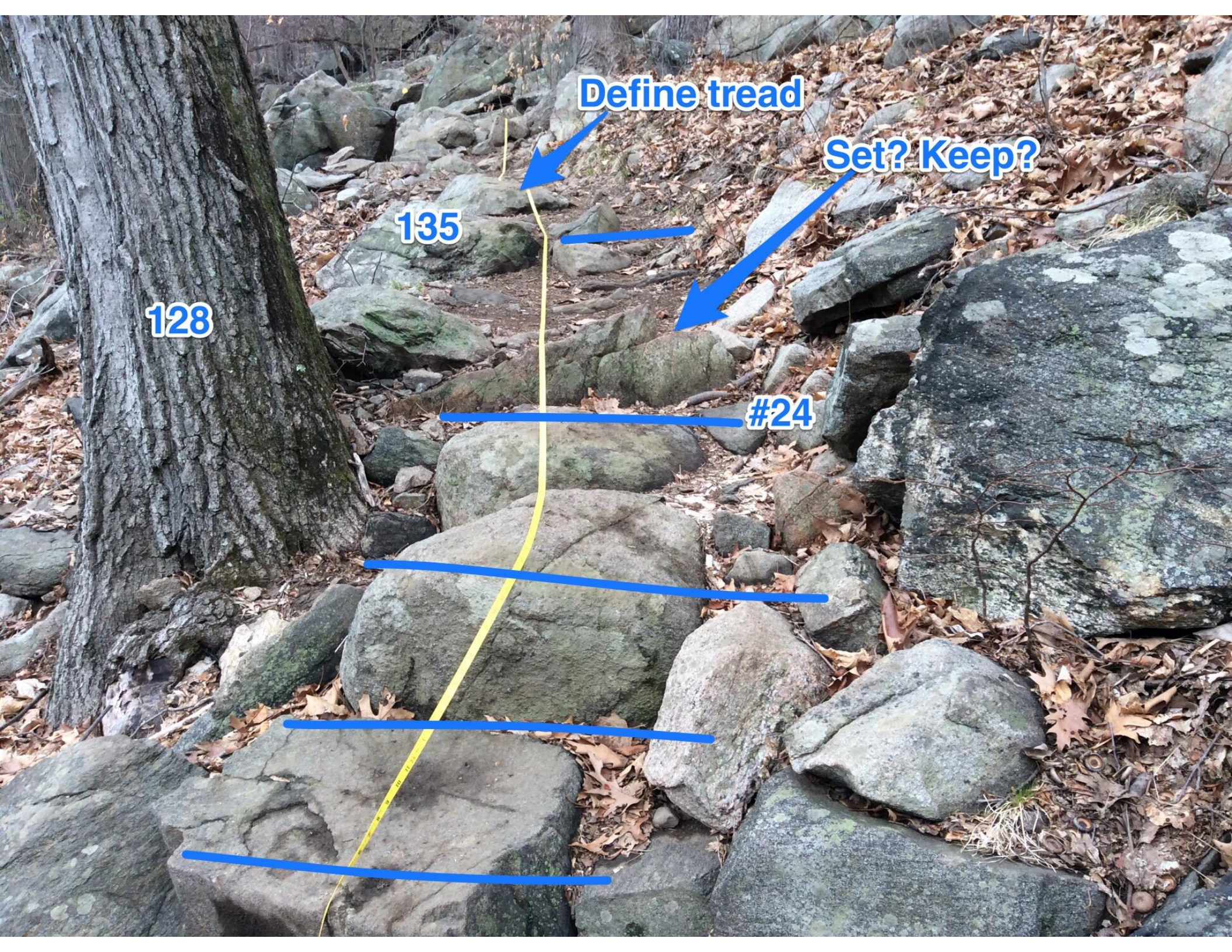
#17

80

#14

#24

100

#20

Define tread

97

128

#24

33 in rise

Define tread

Set? Keep?

135

128

#24

152

Dip

135

Move as low check
step, no base step

#25

175

Use as base

175

#26

Define tread

END
Until inspection beyond this point
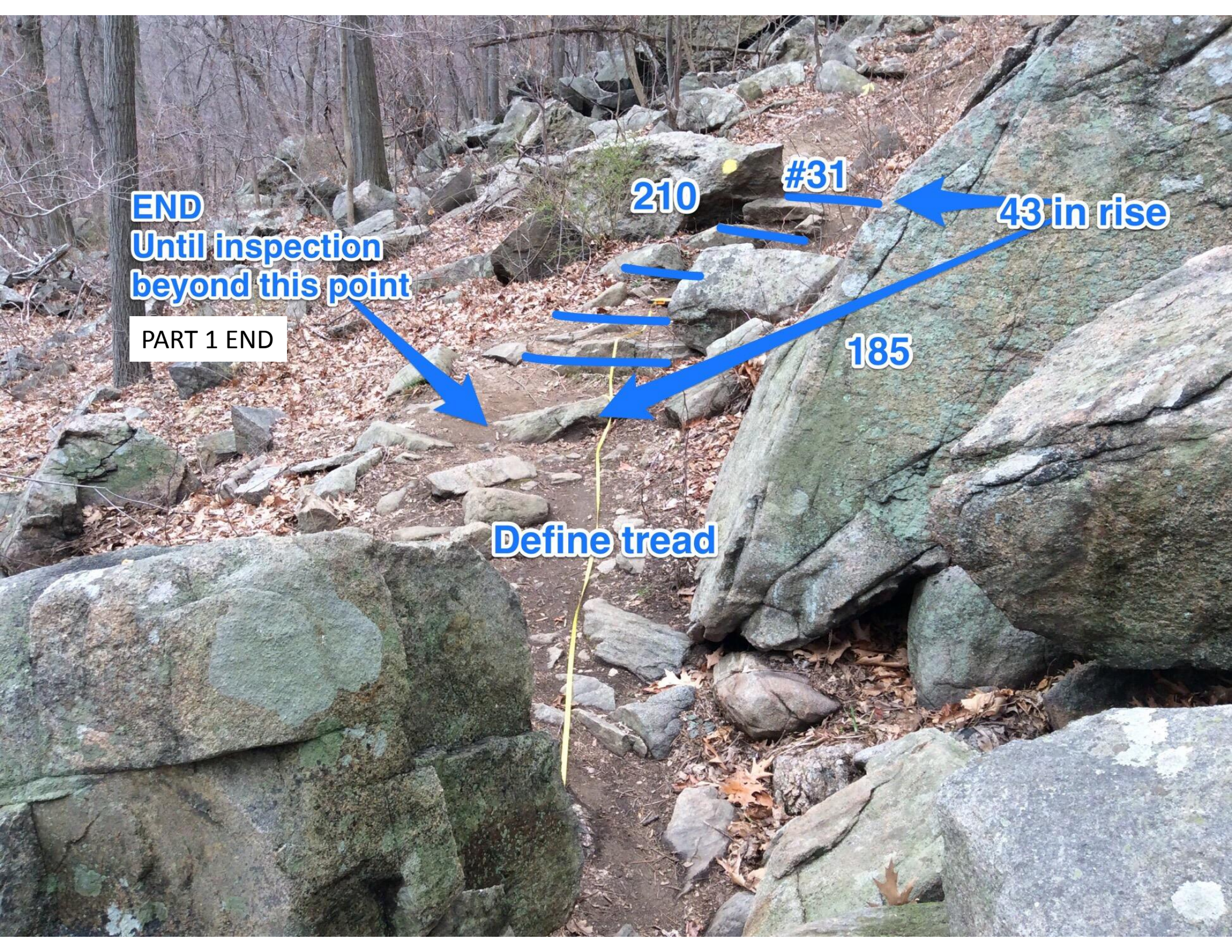
PART 1 END

210

#31

43 in rise

185

Define tread

Use as steps, or turn to corral traffic

-soil may be extremely thin, and on the bedrock
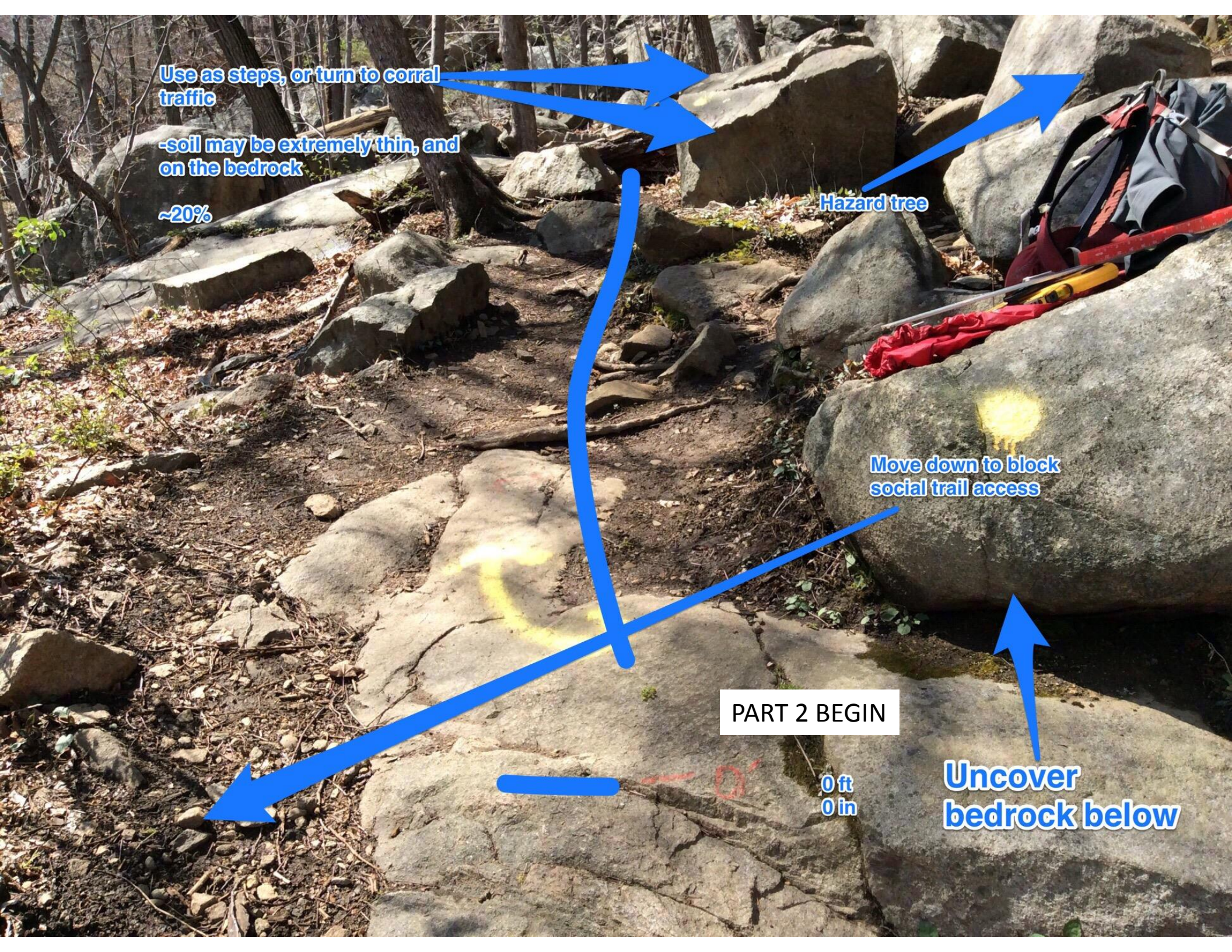
~20%

Hazard tree

Move down to block social trail access

PART 2 BEGIN

0 ft
0 in

Uncover bedrock below

57 in
24 ft rg-
running
grade

Use as steps or turn to open
tread and corral traffic

178 in
55 ft rg

~57%, add steps

8-10 steps(or less w/
bed rock), and base

100 in
42 ft rg

Turn or use to build
-open treadway
width

178 in
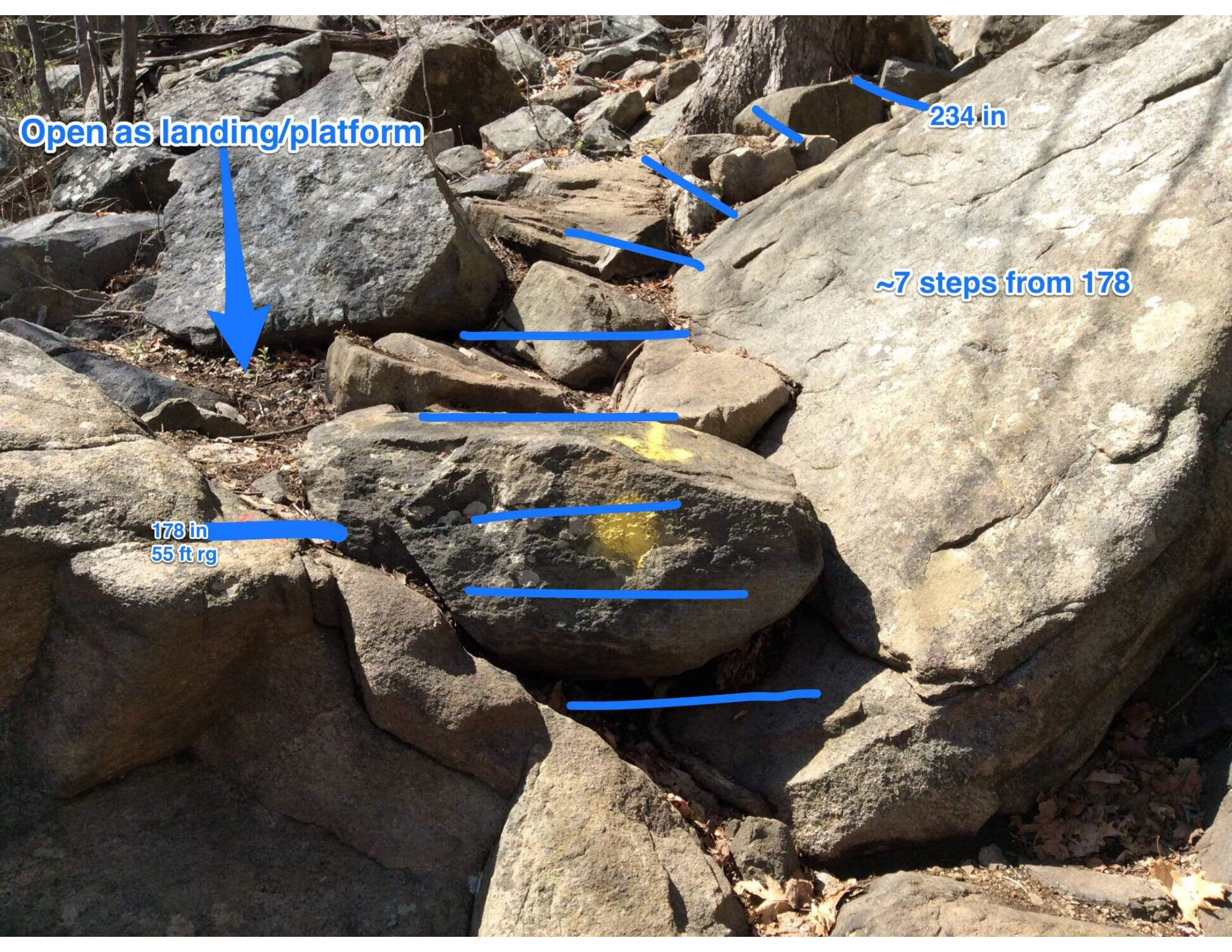55 ft rg

135 in
50 ft rg

Open as landing/platform

234 in

~7 steps from 178

178 in
55 ft rg

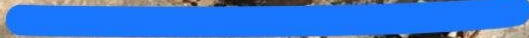Continue steps and tread definition as needed, include landings/wide platforms for passing
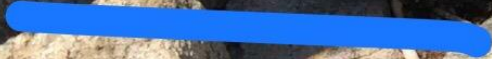
<15% grades, the less steps the better, frequent reversals/drains that move water away from lower tread or into lower drains
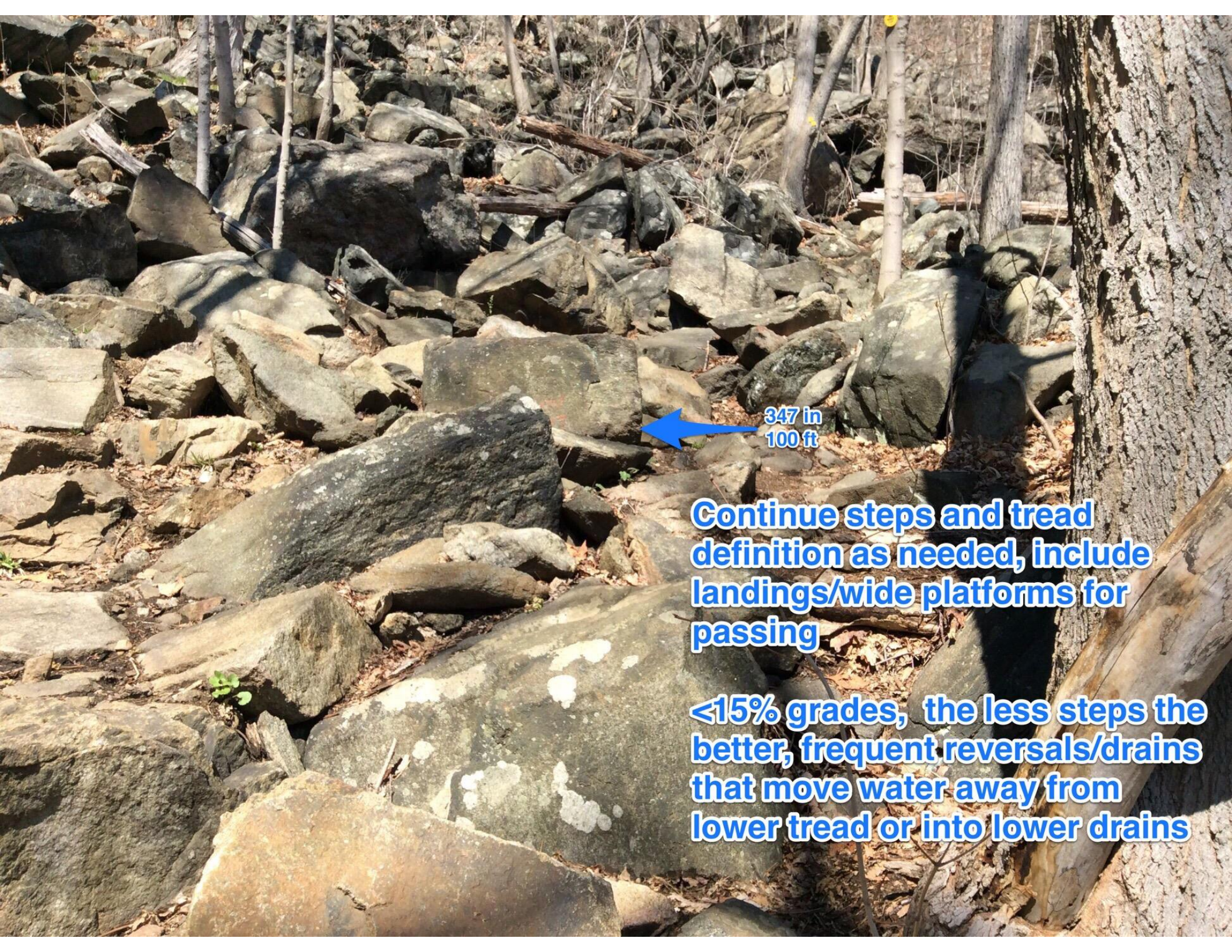
296 in
88 ft rg

234 in
71 ft rg

347 in
100 ft rg

296 in
88 ft rg

Continue steps and tread
definition as needed,
include landings/wide
platforms for passing

347 in
100 ft

Continue steps and tread definition as needed, include landings/wide platforms for passing

<15% grades, the less steps the better, frequent reversals/drains that move water away from lower tread or into lower drains

398 in

Continue steps and tread
definition as needed,
include landings/wide
platforms for passing

347 in
100 ft

468 in
136 ft

Continue steps and tread definition as needed, include landings/wide platforms for passing

<15% grades, the less steps the better, frequent reversals/ drains that move water away from lower tread or into lower drains

398 in

398 in

Continue steps and tread definition as needed, include landings/wide platforms for passing

347 in
100 ft

468 in
136 ft

Continue steps and
tread definition as
needed, include
landings/wide
platforms for passing

Continue steps and tread definition as needed, include landings/wide platforms for passing

534 in

152 ft

650 in
174 ft

598 in
164 ft

Continue steps and tread definition as needed, include landings/wide platforms for passing

<15% grades, the less steps the better, frequent reversals/drains that move water away from lower tread or into lower drains

TRAIL MARKER TACONIC REGION

TRAIL MARKER TACONIC REGION

Continue steps and tread definition as needed, include landings/wide platforms for passing

650 in
174 ft

675 in
190 ft

Continue steps and tread
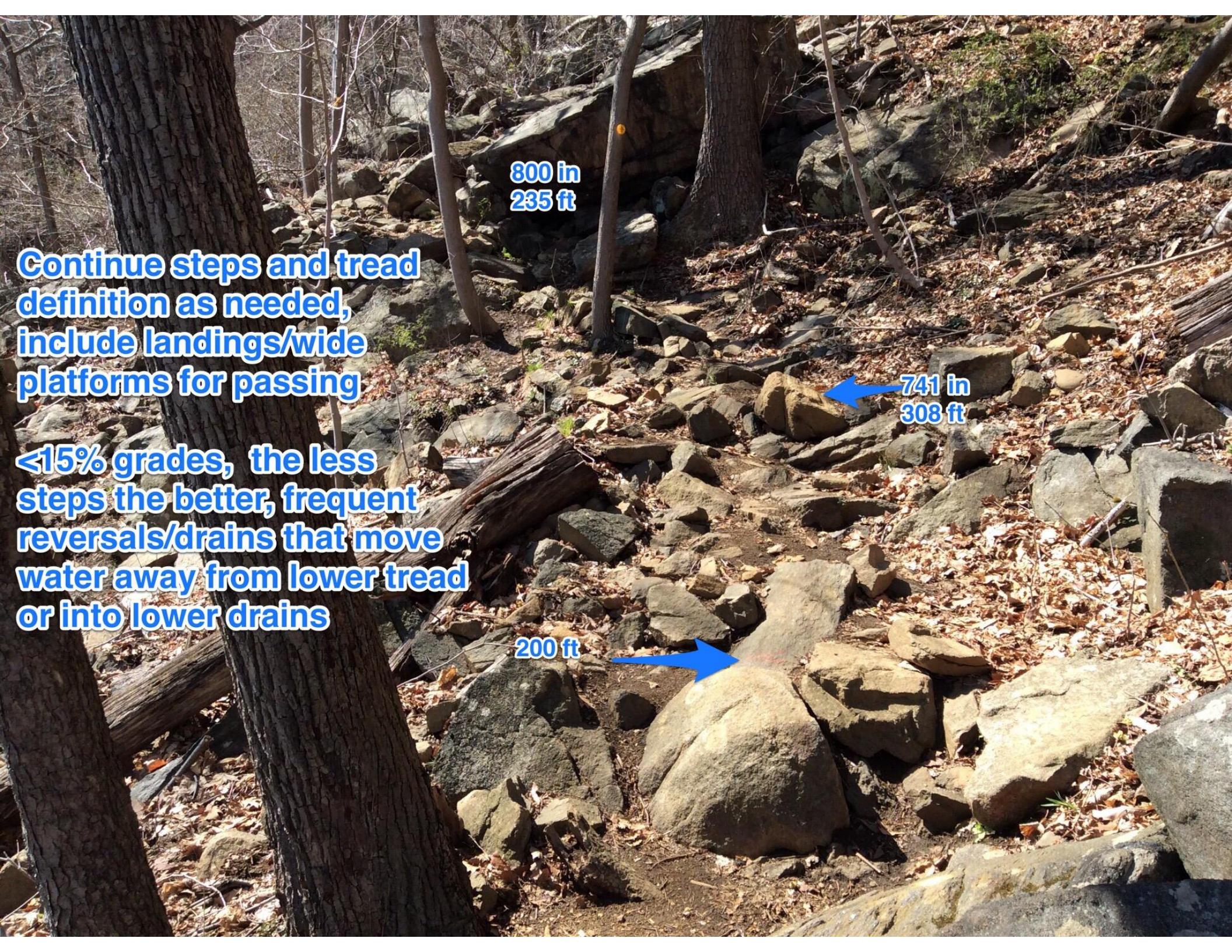definition as needed,
include landings/wide
platforms for passing

800 in
235 ft

Continue steps and tread definition as needed, include landings/wide platforms for passing
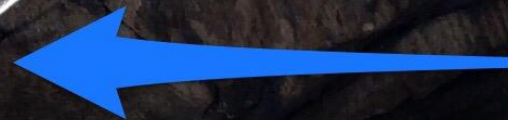
<15% grades, the less steps the better, frequent reversals/drains that move water away from lower tread or into lower drains

741 in
308 ft

200 ft

Break off edge and open up for easy passage away from precipice

800 in 235 ft   Step 70/80?