



## 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.

State Park Name: Hudson Highlands Year: 2016

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): 41°26'33.6", -73°58'03.0"

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 social trail, and closure of unwanted social trails in the vicinity of the desired segment. The attached photos are broken into three parts, or three projects, and indicated by three different colors in the images of this plan, and corresponding map colors.

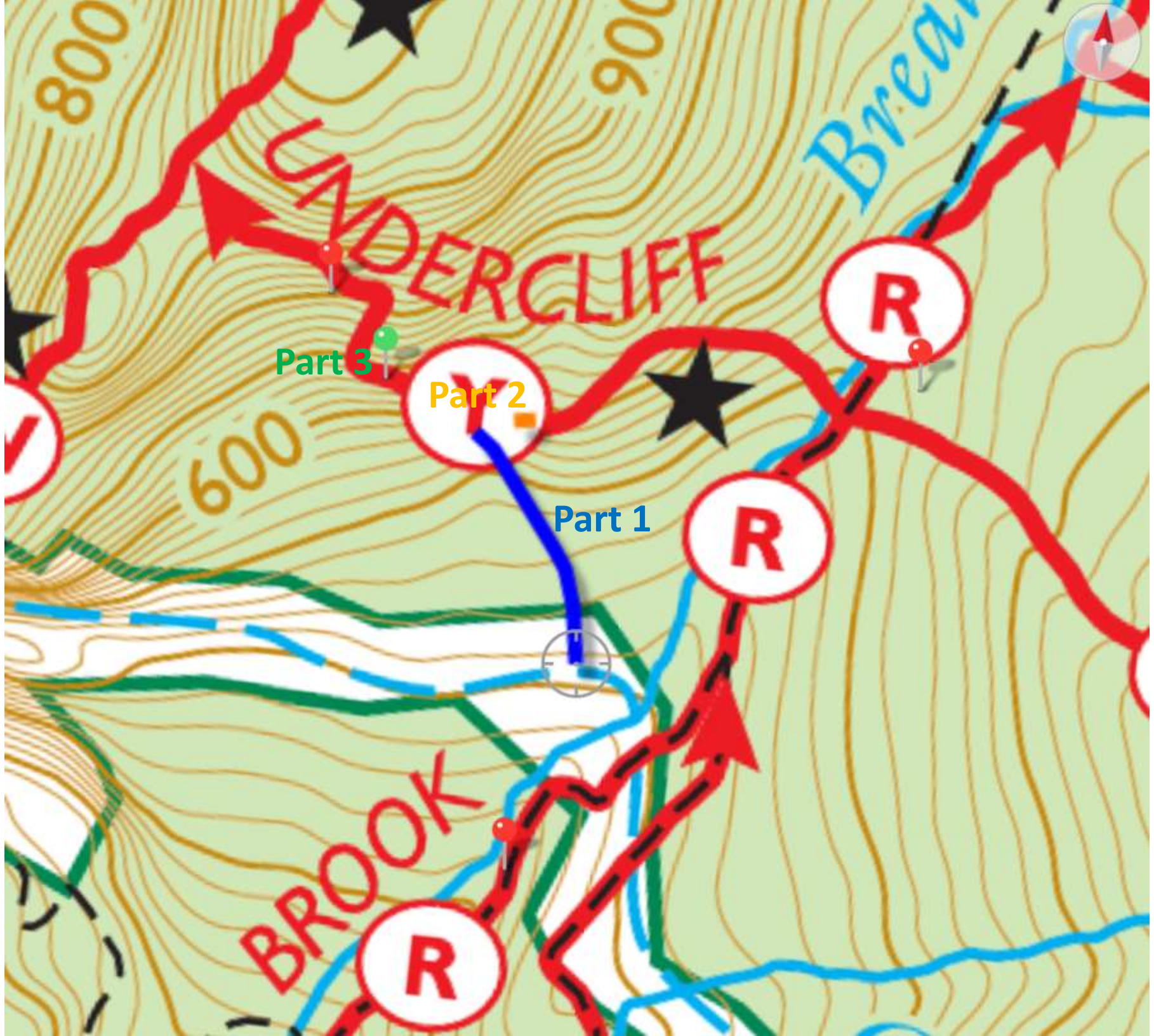
Work Schedule: 4/29/16 until completion. Estimated completion 5/9

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

Submitted by (print): Erik Mickelson Signature:  Date: 3/6/16

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.



Part 3

Part 2

Part 1

BROOK

UNDERCLIFF

Break

R

R

R

R

Part 1



50

29  
Prefab step

21





78

Dip low before small black birch tree, at low knot oak?

Accentuate drain dip reversal

50

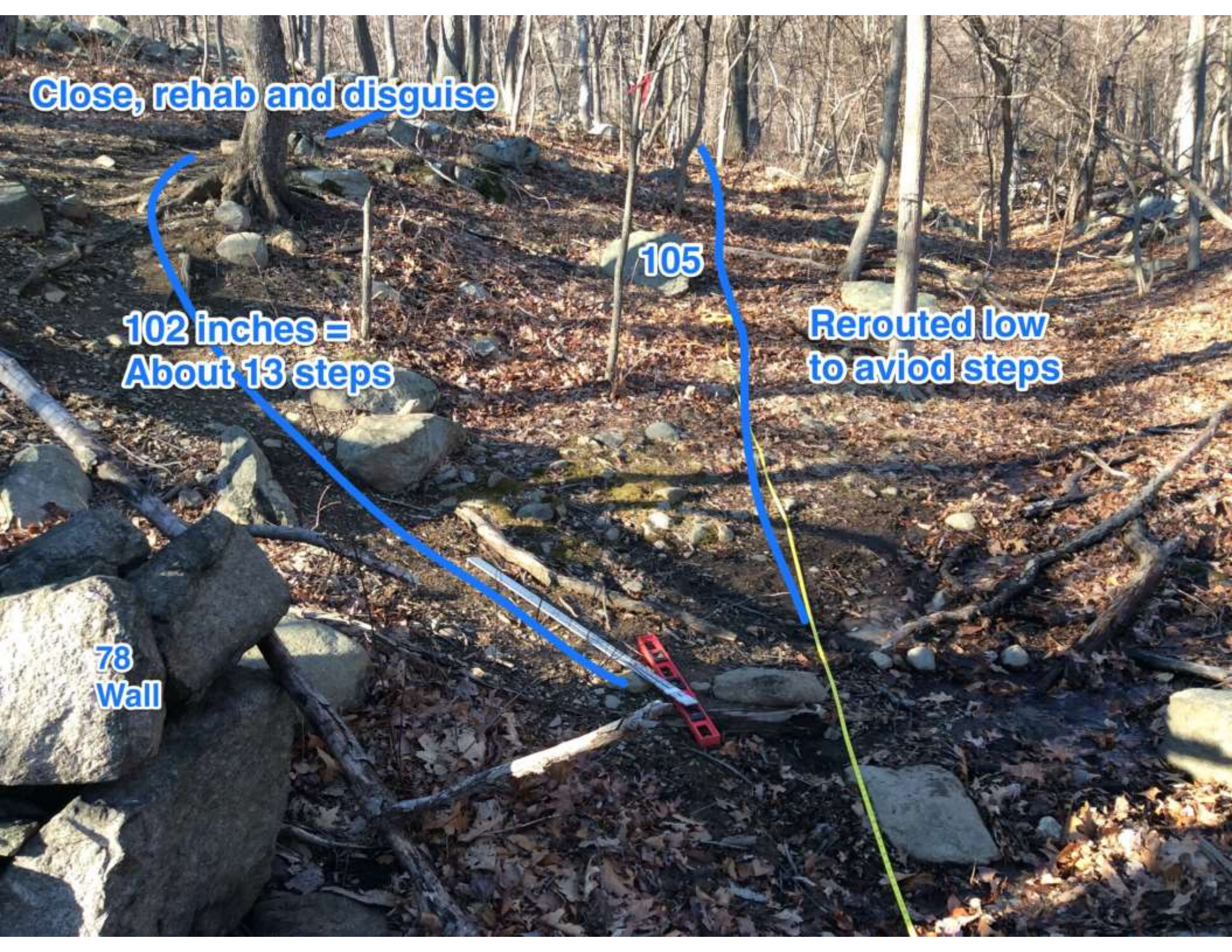
**Close, rehab and disguise**

**102 inches =  
About 13 steps**

**105**

**Rerouted low  
to avoid steps**

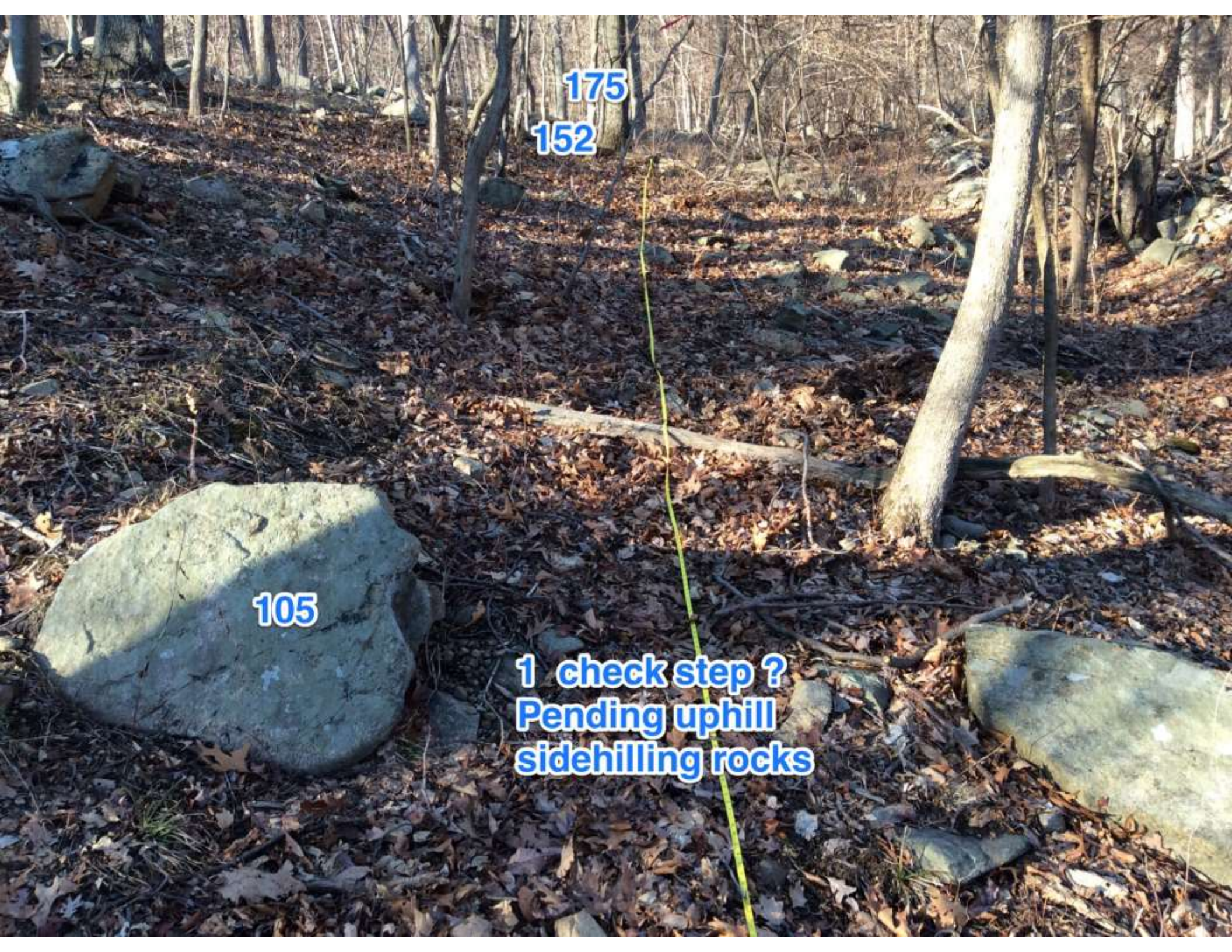
**78  
Wall**



175  
152

105

1 check step ?  
Pending uphill  
sidehilling rocks





175

190

152

155



175

190 use as step up



**205 move rubble and tree to block old trail**

**Remove invasive tree**

**190**

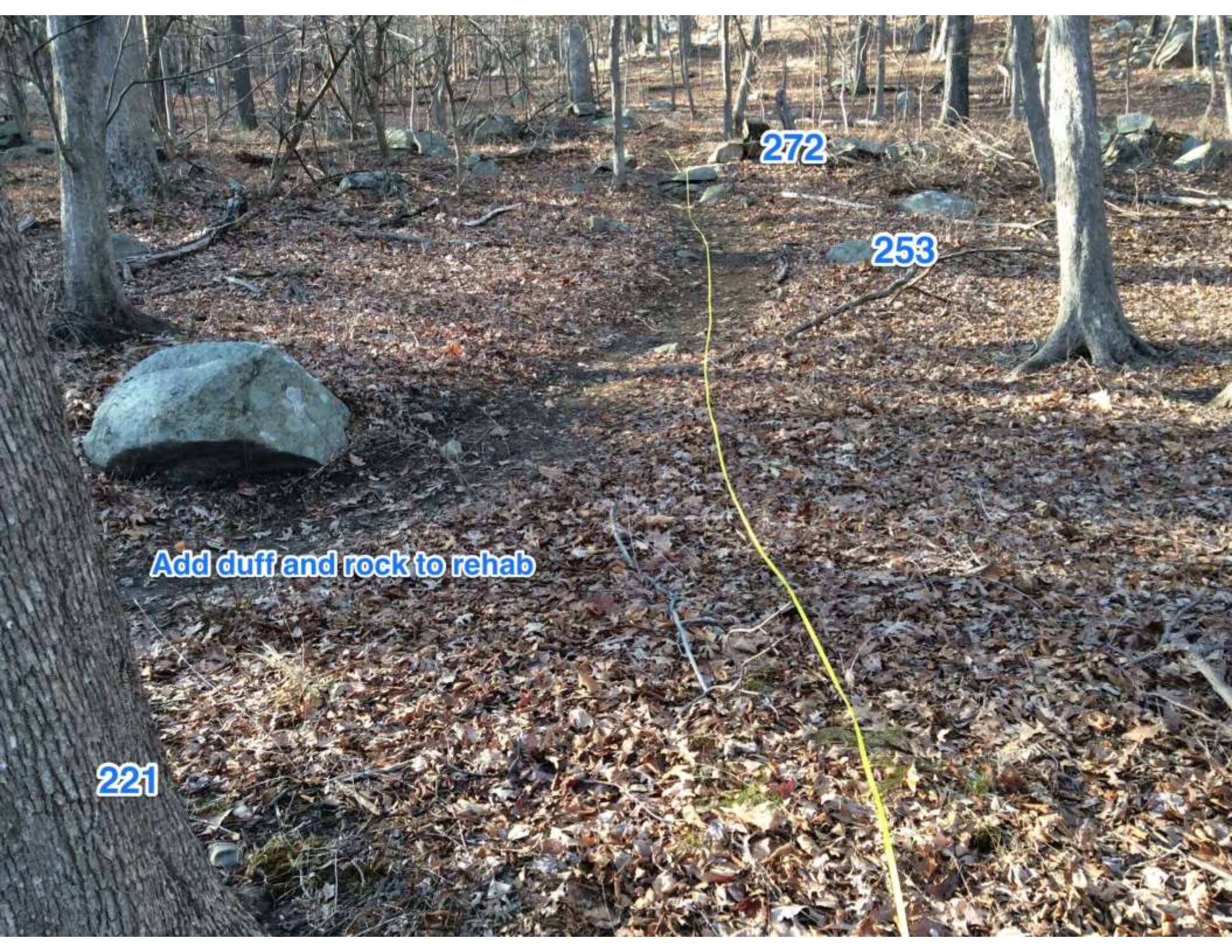


**221**

**Move rubble and tree to block old trail**

**205**





272

253

Add duff and rock to rehab

221

295

272



**295**

**340**

**325**

**Add duff, leaves,  
and rocks to rehab**



394

370 check step

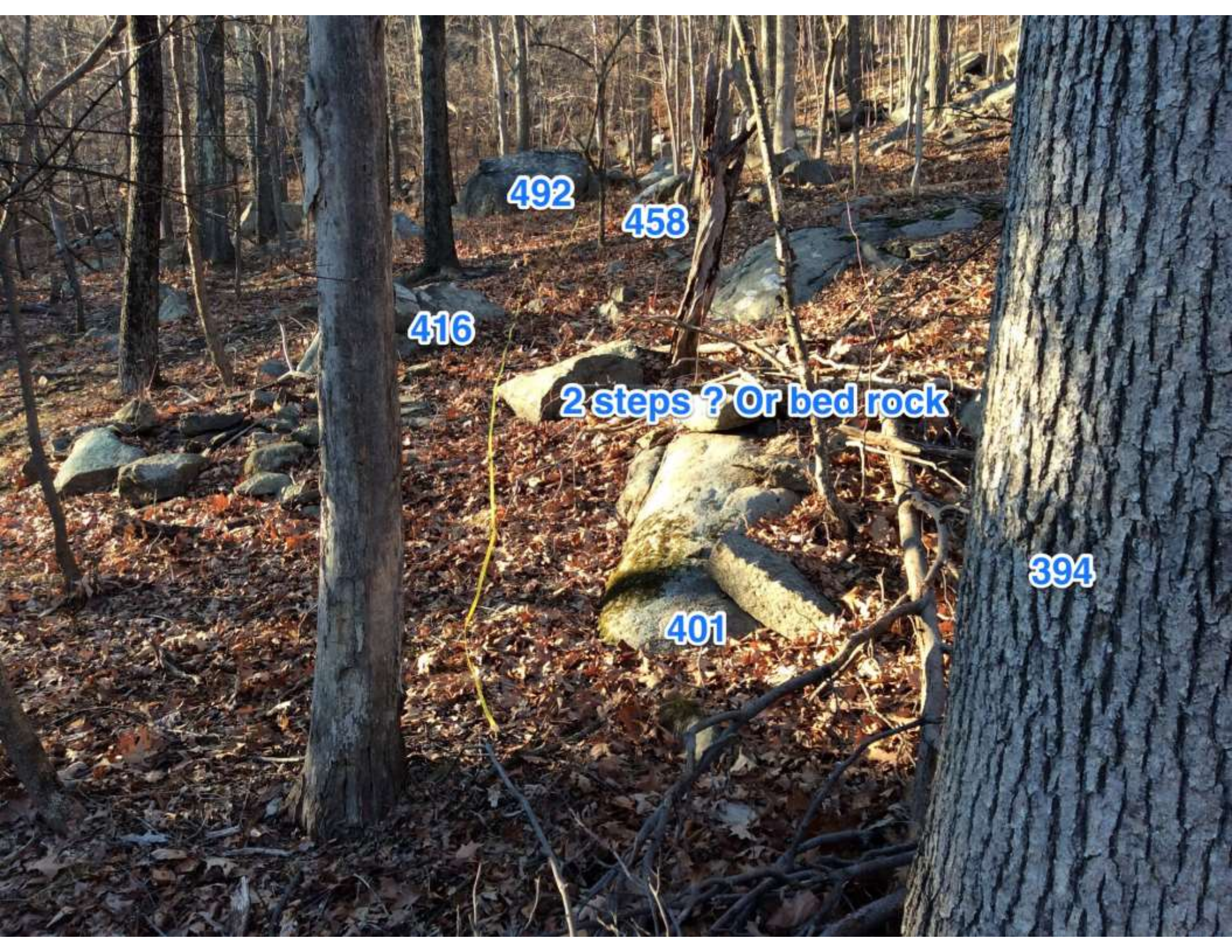
340





394





492

458

416

2 steps ? Or bed rock

401

394

492

458

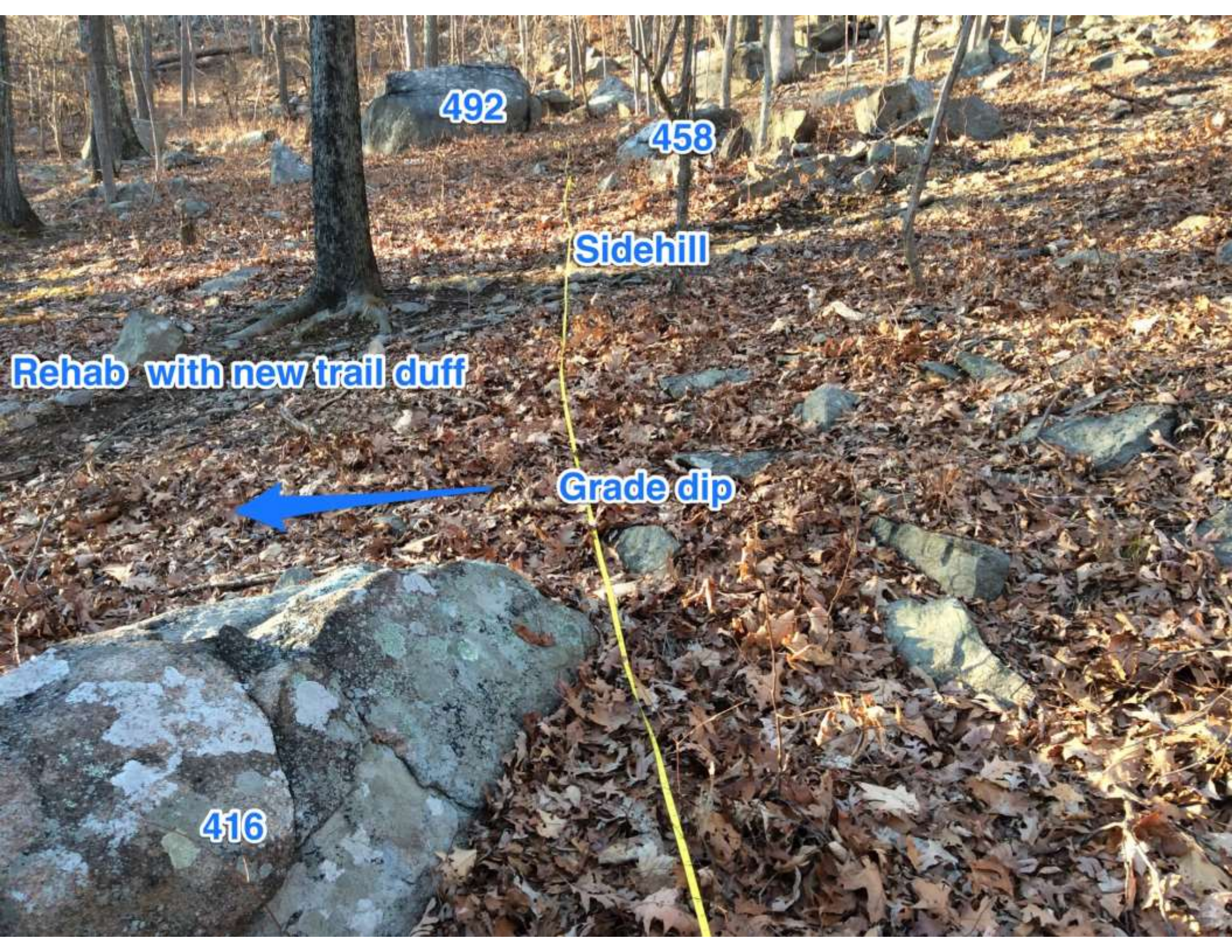
Sidehill

Rehab with new trail duff

Grade dip



416

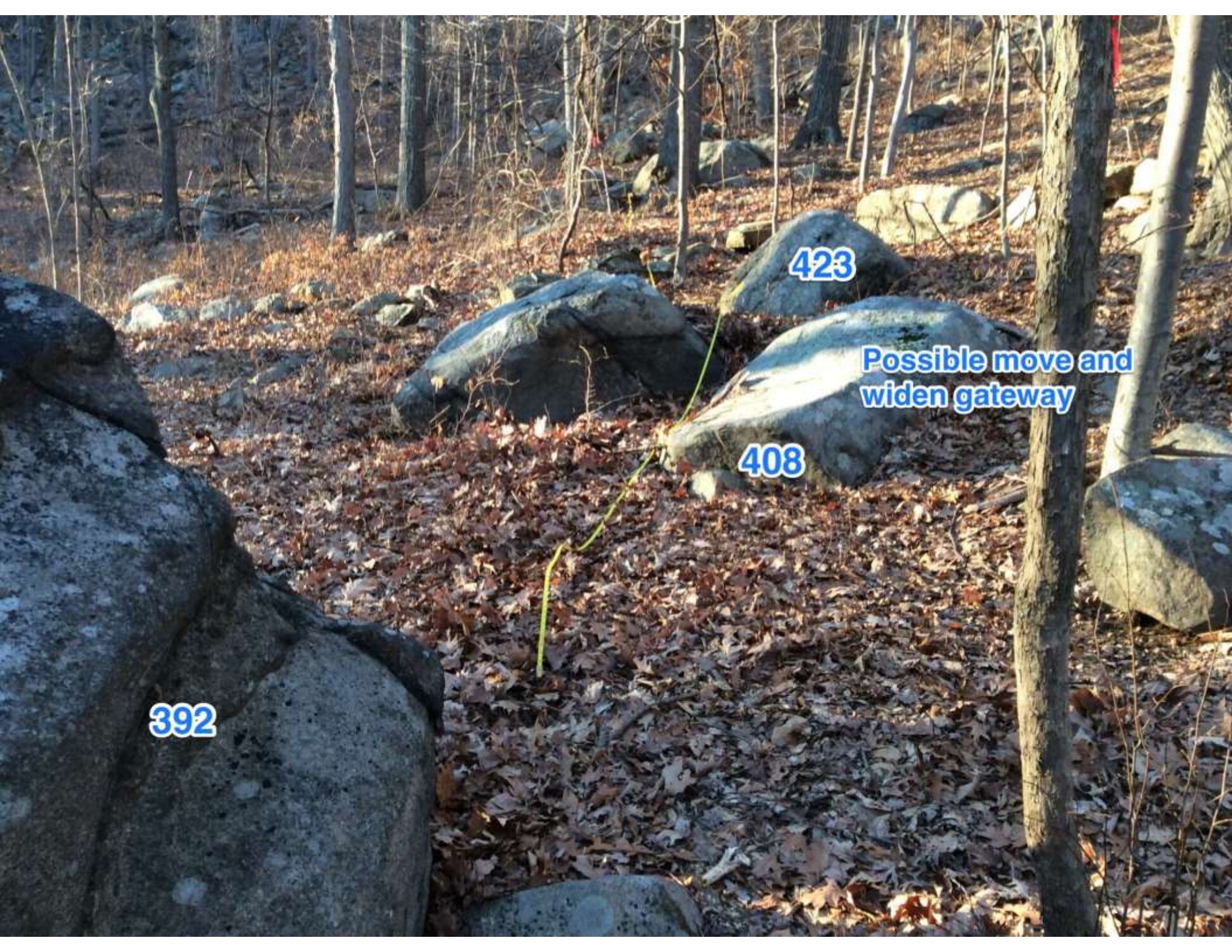


392

Sidehil and move duff to old trail

Check step. Bedrock

458



392

408

423

Possible move and  
widen gateway

466

432  
Use rocks for  
check step

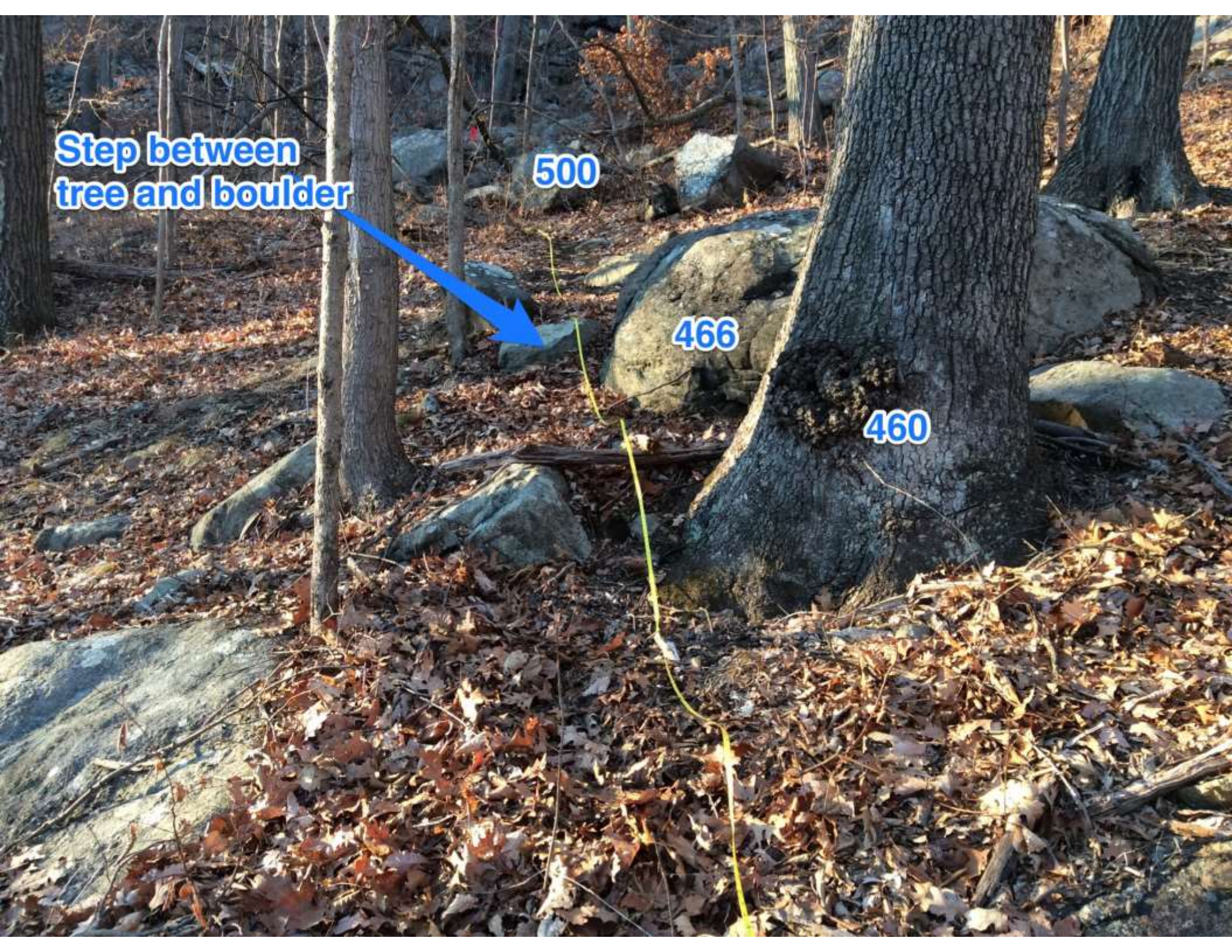
423

**Step between  
tree and boulder**

**500**

**466**

**460**



A photograph of a wooded area with a trail, rocks, and a yellow measuring tape. The ground is covered in brown leaves and small rocks. A yellow measuring tape is stretched across the trail. A large rock in the background has the number '500' written on it. Another rock in the foreground has the text 'Rehab old trail' written on it. The trees are mostly bare, suggesting autumn or winter.

500

Rehab old  
trail

**514 existing trail**



**Drain**



**500**



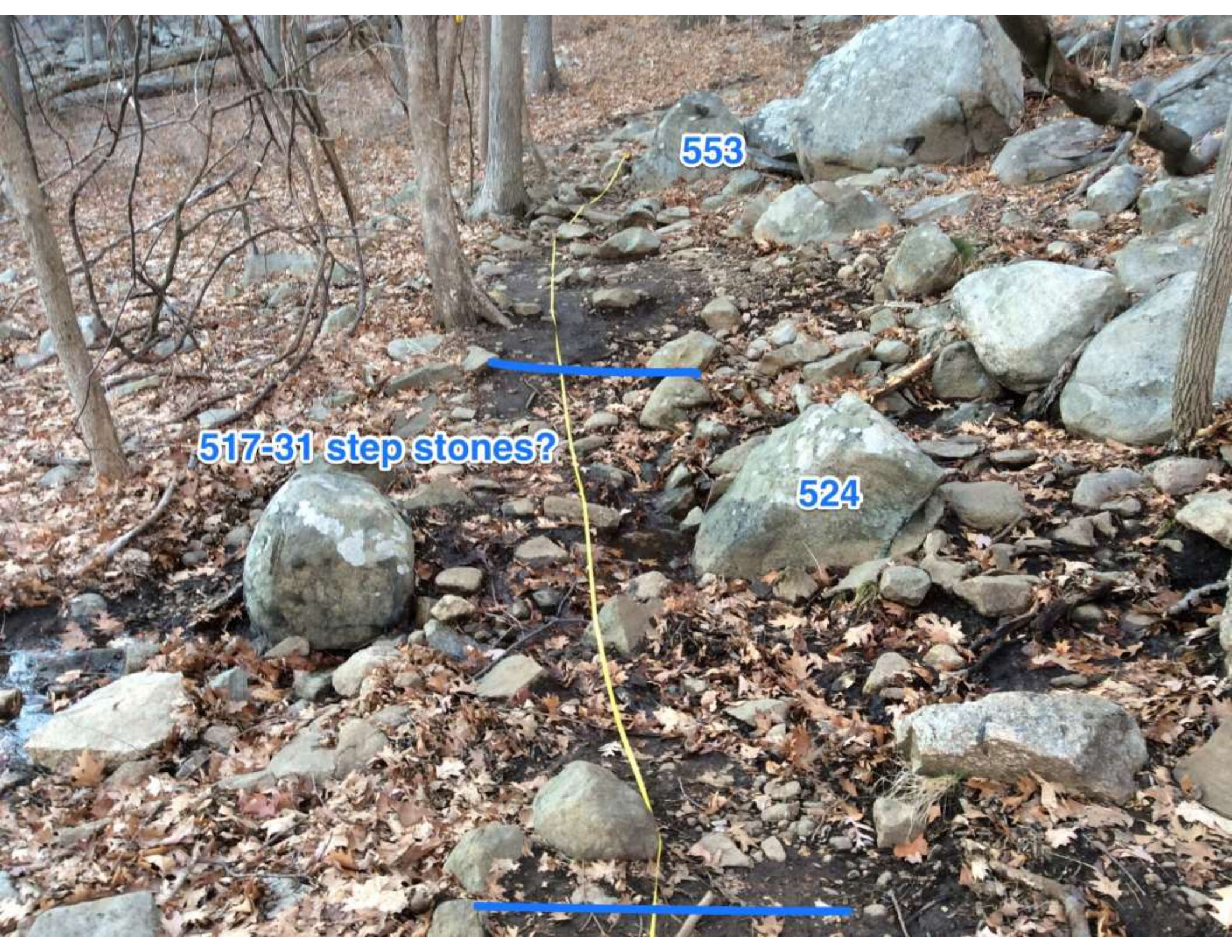
**Step**



553

517-31 step stones?

524



**Part 2**

**26**

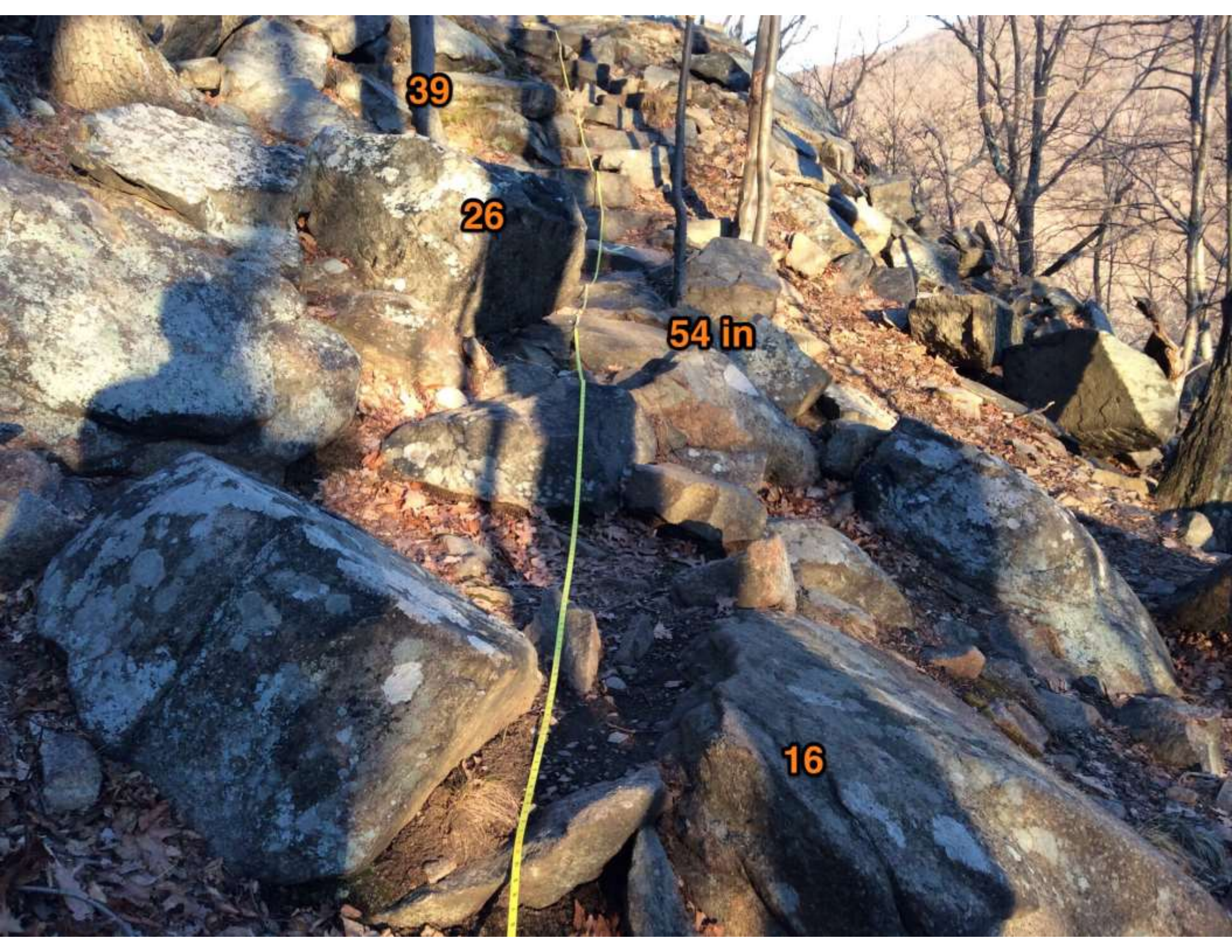
**16**  
**30 in**

**0 in**

**9**

**0**





39

26

54 in

16



56

39

66 in





**Boulder disguise old social**

**16**

**56**

**184 in** Approximately 23 steps

**143 in**



**Part 3 define trail and close social trail**

**Close and remove blazing**

X

X

X

**Continue downhill progress to reduce short cut potential**

**Define trail well so hikers bypass old social trail**

**Pull down dead tree to help block**

**Turn this to block**

**Move to close gap**

**Remove keep out**

