

Ramapo Valley County Reservation Work Plans Vista Loop- Waterfall Section

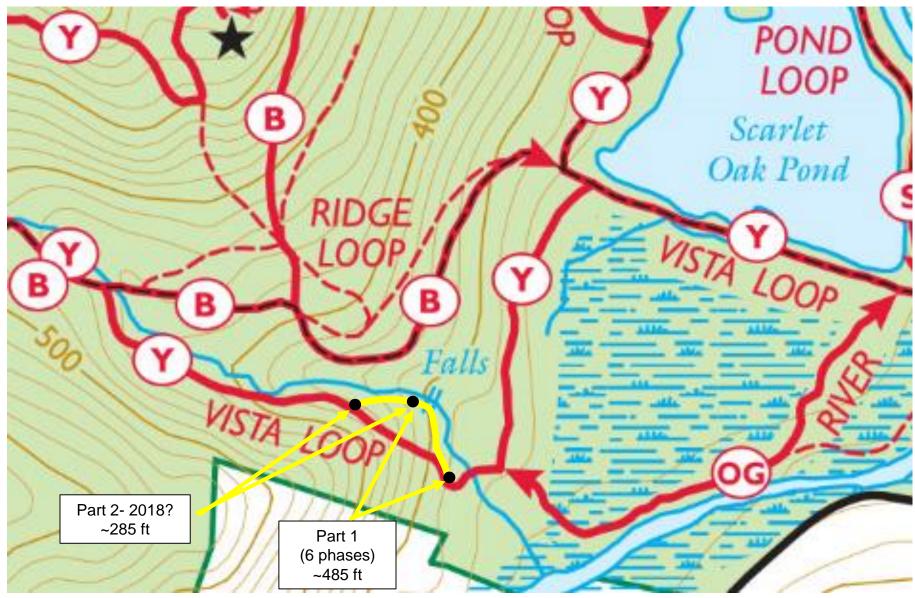
January 15, 2017

Prepared For

Bergen County, Ramapo Valley County Reservation

Prepared By New York-New Jersey Trail Conference







Work Log Item Summary

The following table contains an approximate list of the major trail construction items which will be required for this section of trail. There are other minor items which are not listed here but described in the trail construction work log below.

Item	Unit	Totals
Plan segment length	In. ft.	770
Sidehill	In. ft.	125
Stone Steps	each	
Stone Cribbing	sq. ft.	tbd
Stepping Stones	each	8-16
Stone Paving	sq. ft.	85-102
Turnpike/Causeway	In. ft.	
Drainage Structures	each	
Bridges	each	
Crush Fill	cu. ft.	
Surfacing	cu. ft.	

^{*} Work Log Item Summary is for construction estimate purposes only. Actual project accomplishments may vary.

General Trail Construction Notes

1.NYNJTC Trail Development Level: 3

- Development level details below, and this link: https://www.nynjtc.org/sites/default/files/TrailDesignStandards.pdf
- Trail Use Type: Foot Travel Only
- Trail Tread Width Range: 18" 36" (48" stair width), tread should be natural surfacing where possible. Where necessary, tread definition, filling, and removal of loose rock will be preformed to keep hikers on trail and remove safety hazards.
- Running Grade Range: 0-12%, Grades above 20% will have steps installed.
- Corridor: 4'x8', all cuts should be flush to tree or ground. Stumps within treadway should be removed.
- Deviations from Trail Development Level Standards:
- 2.The trail layout/existing trail improvement follows the general principles of sustainable trail design with the added objective of creating an interesting, scenic, and low maintenance route.

 3.All local stone harvesting/splitting/shaping must be done away from the trail as to not significantly alter the appearance of the surrounding area from the trail.
- 4.Safeguards should be made to protect trailside vegetation including the use of "tree bumpers." 5.All trailside impacted areas must be renovated with leaves, logs, and other on-site organic debris. 6.Visible drill holes on stone should be minimized to the extent possible with cut/split faces mixed in with natural faces.
- 7.Organic materials/duff must be removed from the ground surface before trail construction commences. These materials must be stockpiled for finishing work and trail closure purposes. 8.Backfill materials may be stone up to 3". To ensure proper drainage, mineral soil should not be used.
- 9. Site Specific Notes: This trail boarders a stream. All efforts should be made to not disturb the stream.

Safety Notes

1.Each day will begin with a safety tailgate meeting outlining environmental, flora, fauna, work, communication, site, and tool related hazards and mitigation practices.

2.Proper personal protective equipment must be worn by all trail workers while on the worksite including long pants, closed-toe shoes, work gloves, eye protection, and hard hats. Ear protection must be worn around power equipment. Dust masks/respirators must be worn when drilling rock.



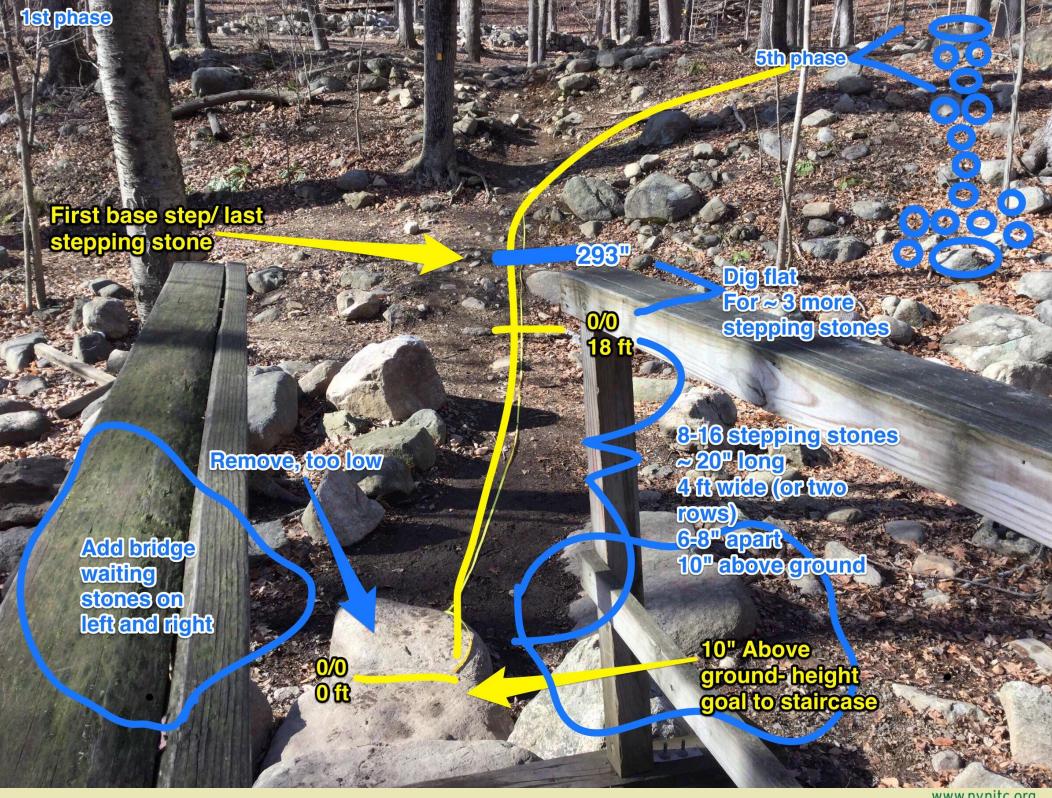
These photo references indicate the location of major work items as well as the trail centerline indicated by a solid yellow line shown in each photo.

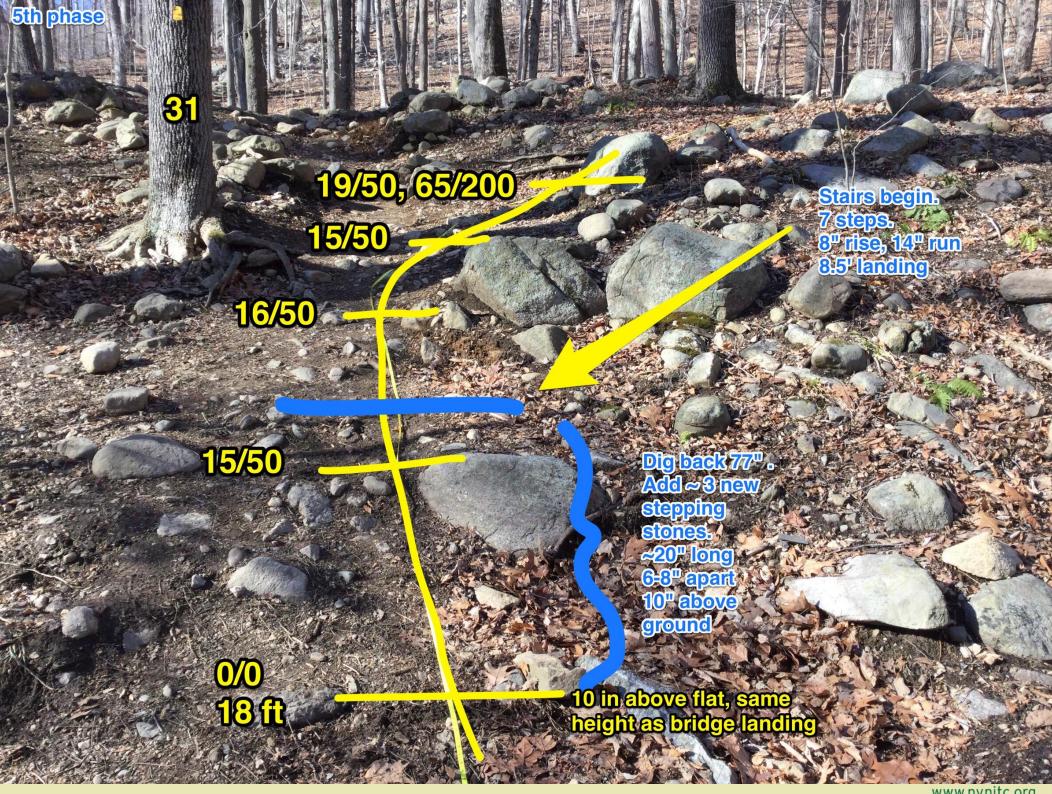
To effectively use this trail construction work log, place yourself approximately where the photographer stood, note the trees, boulders, or other features in the photo and that will help you reference where the trail is to built/improved. Remember you are looking at photos which are in two dimensions and the field situation is in three dimensions. In addition, expect the view to change over time given more vegetation, downed trees, etc.

Arrows point to the approximate location of the work needed, or the location of a singular structure, such as a drainage structure. Two arrows or lines show the approximate start and finish of on-going structures or types of work, such as stone cribbing, stairs, and sidehill.

Each section to be built will be field staked or pin-flagged where needed by the trail designer prior to construction.

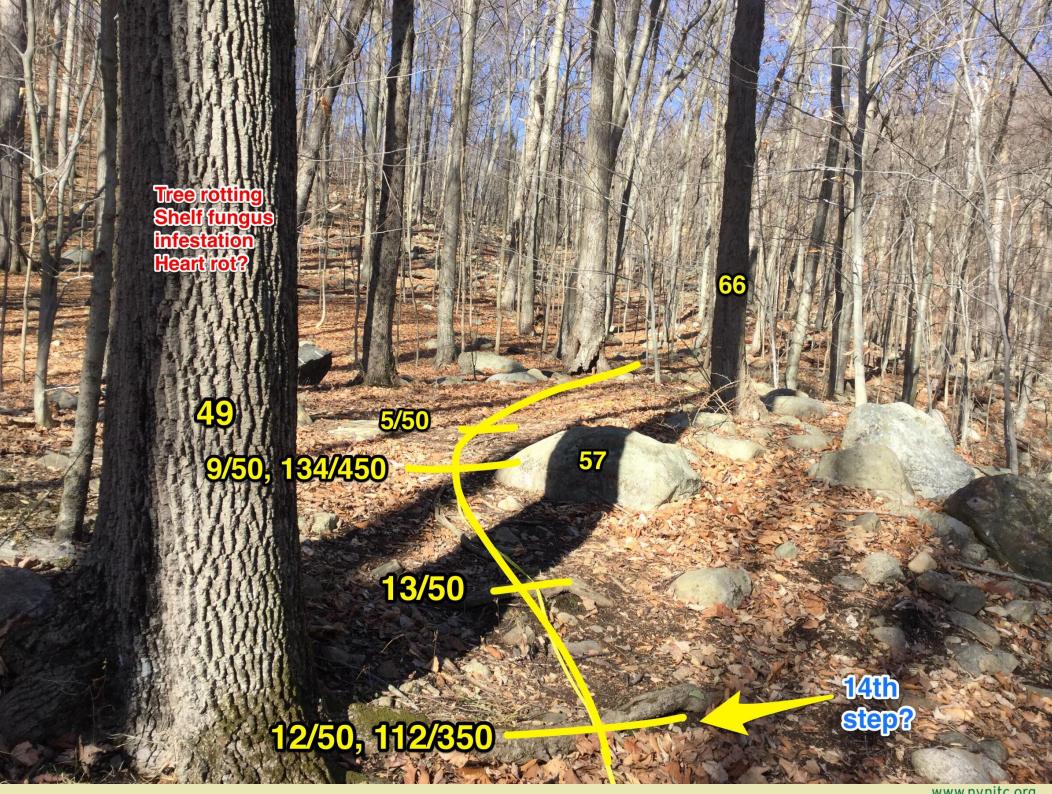
Note: Trail routing assumes a 50 foot corridor on either side of the centerline in which to move or realign the trail. For example, a trail might need to be realigned around a seep, large boulder, or bedrock. If the trail needs to be moved outside of the 50ft corridor due to unforeseen construction constraints, it will be brought to the land manager's attention for approval. A new work log photo with proper proof of approvals will be inserted into this document (at the end as an addendum to the slide/s in guestion).





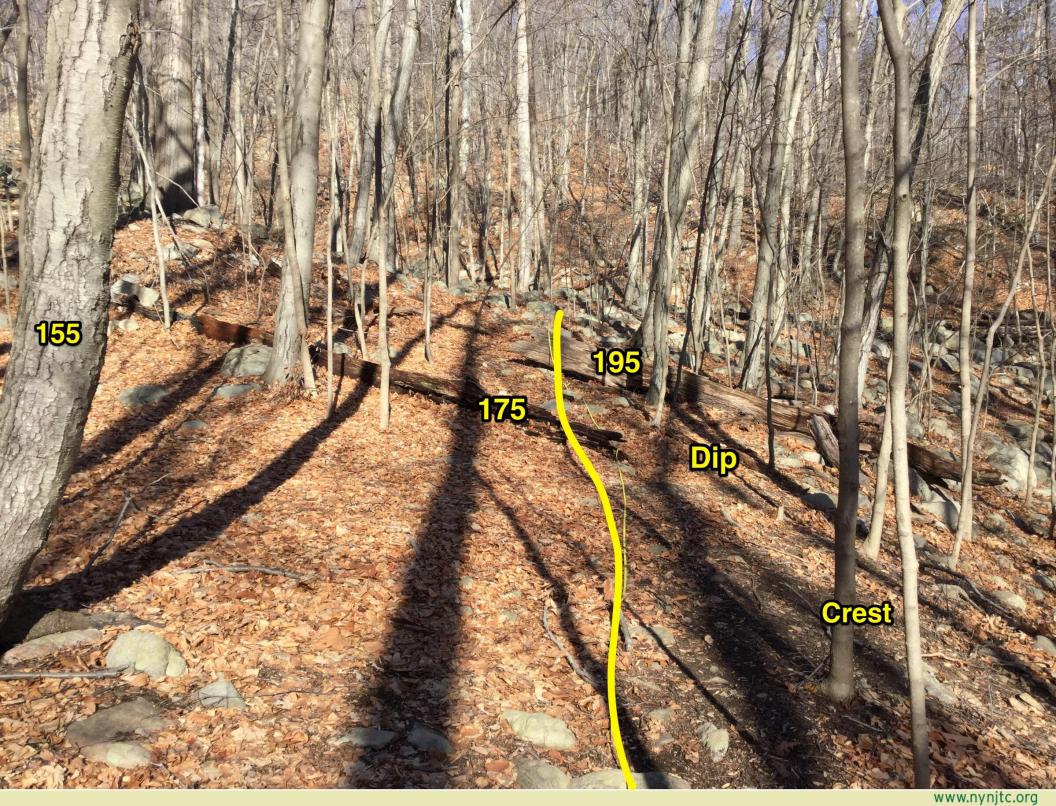




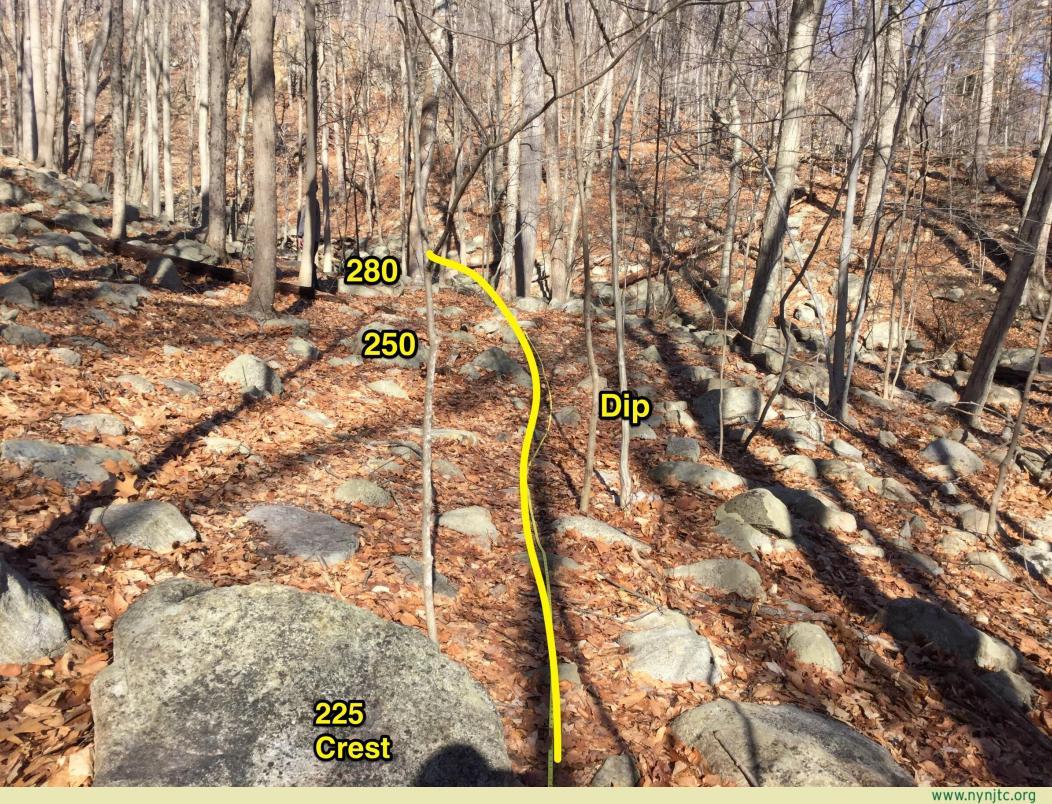




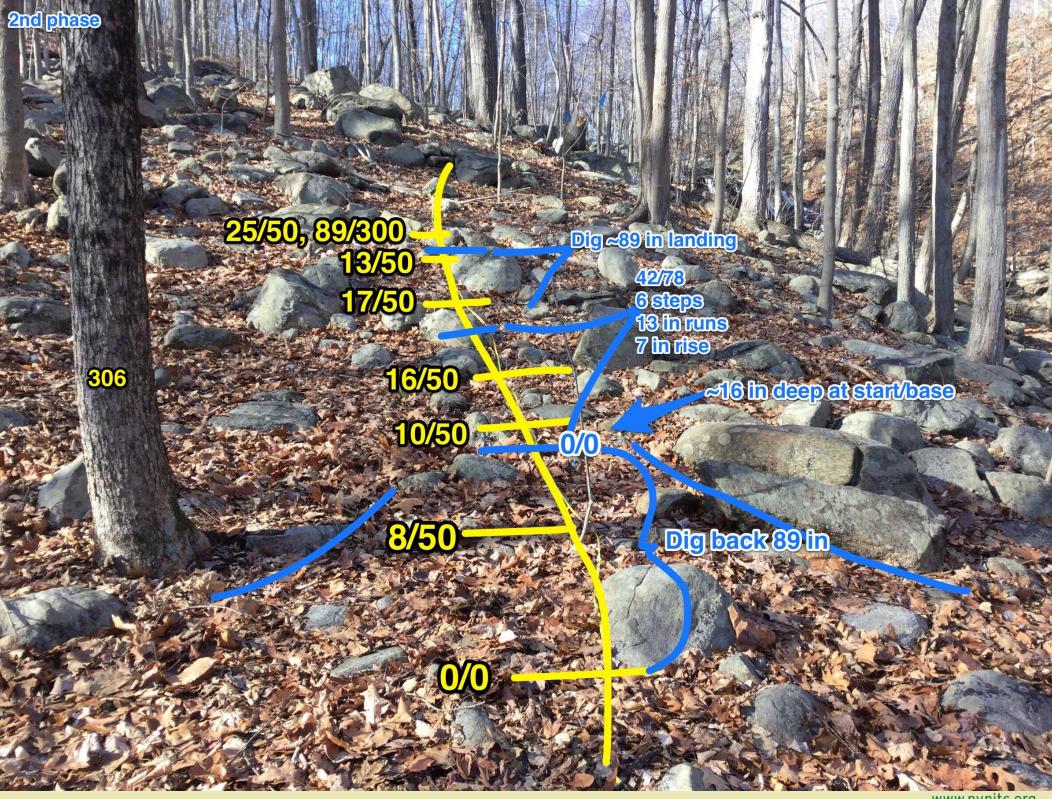


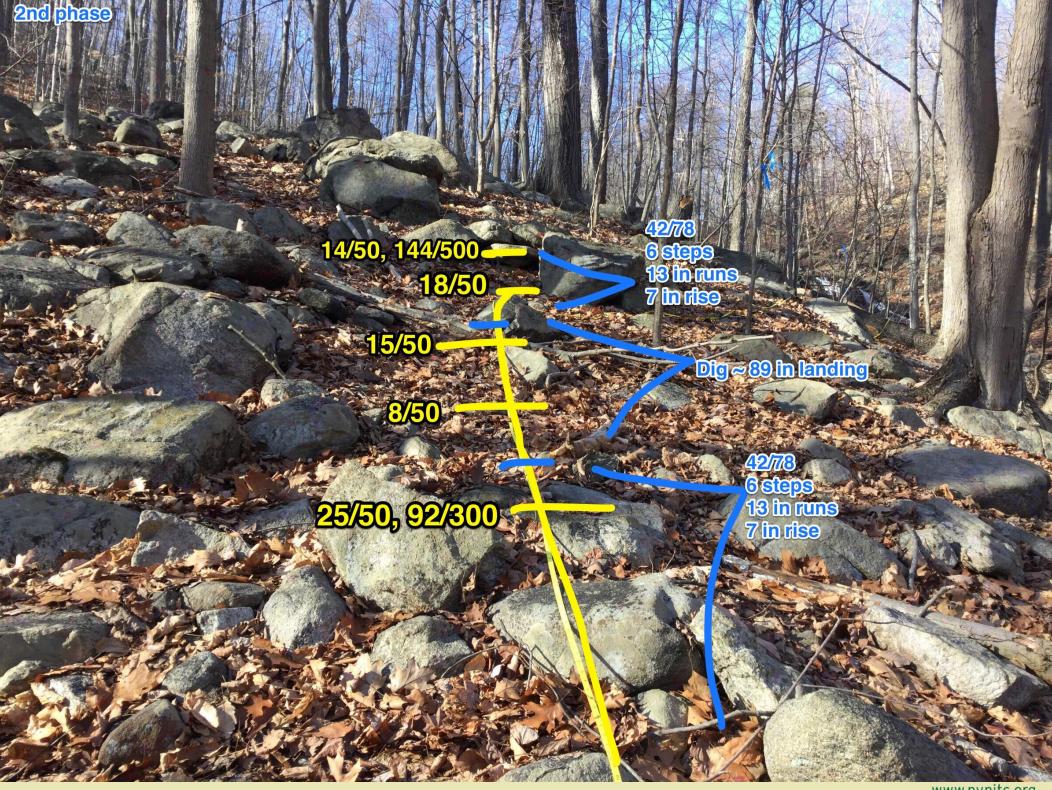


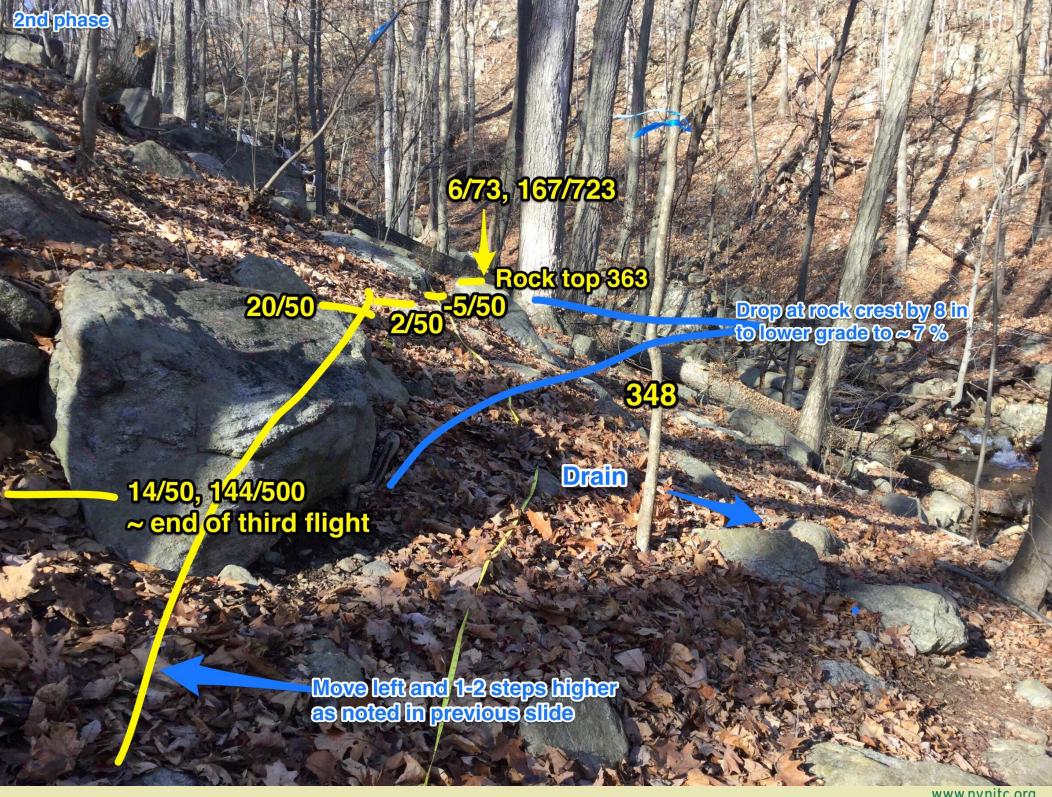


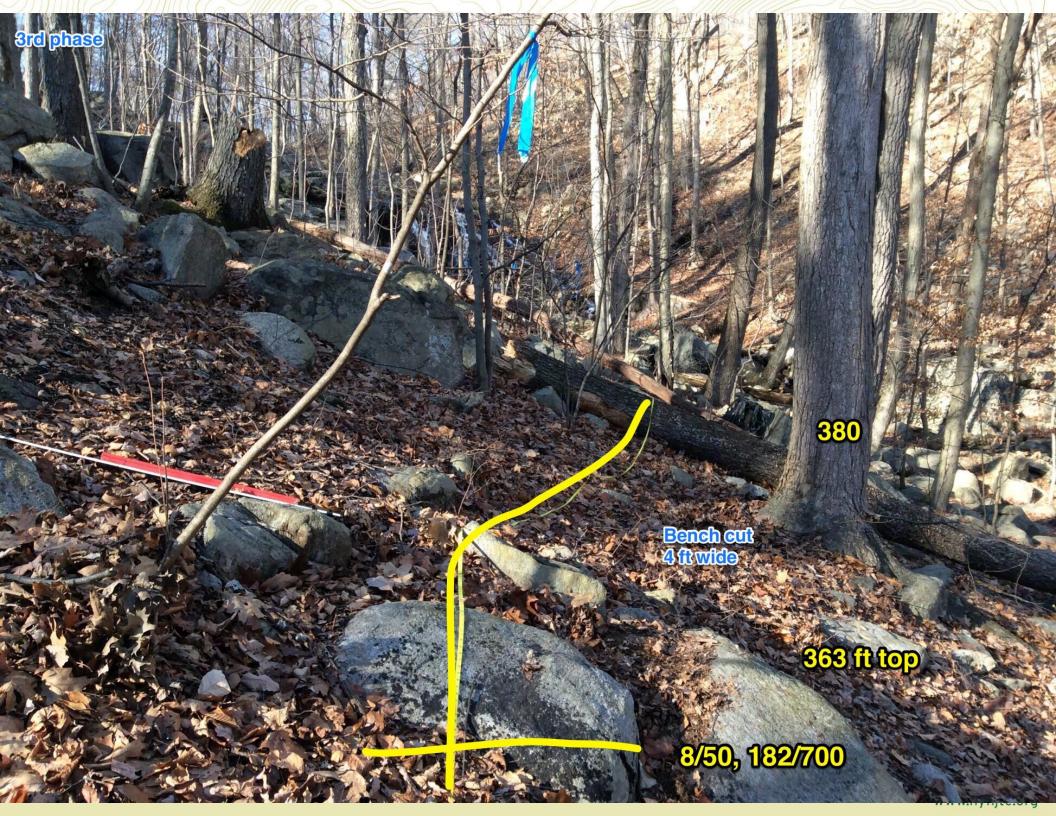














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