APPENDIX D: CONCEPT PLANS FOR PREFERRED ALTERNATIVE

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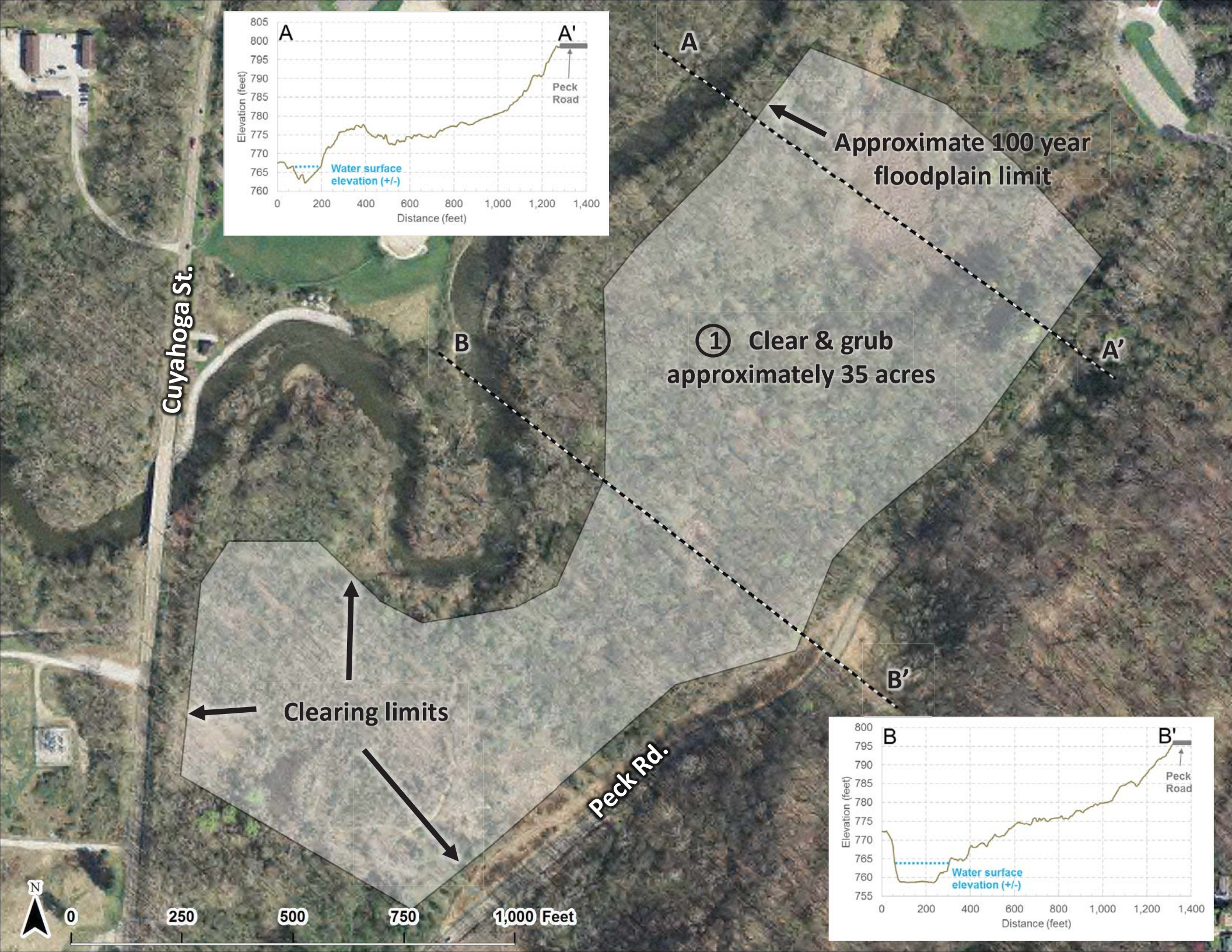
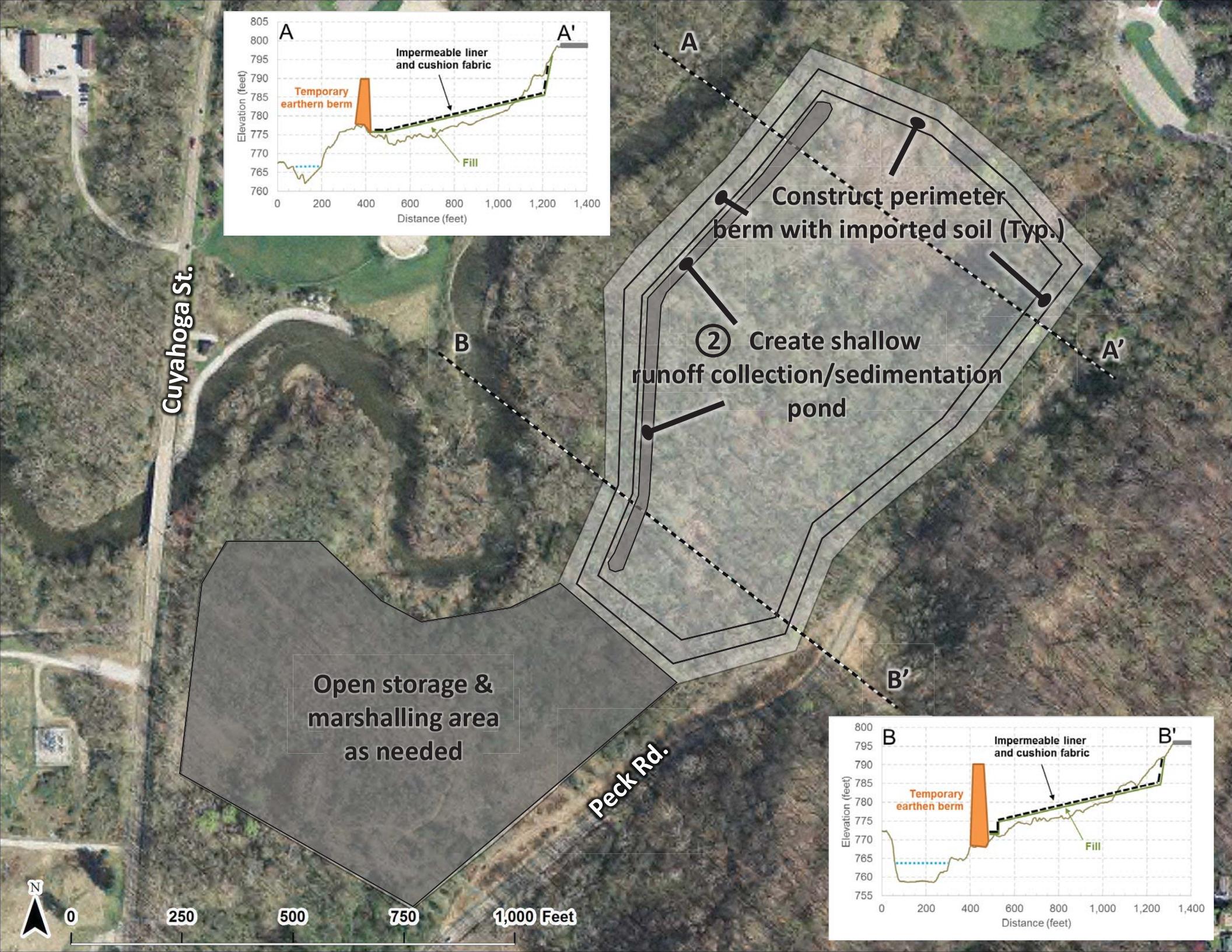
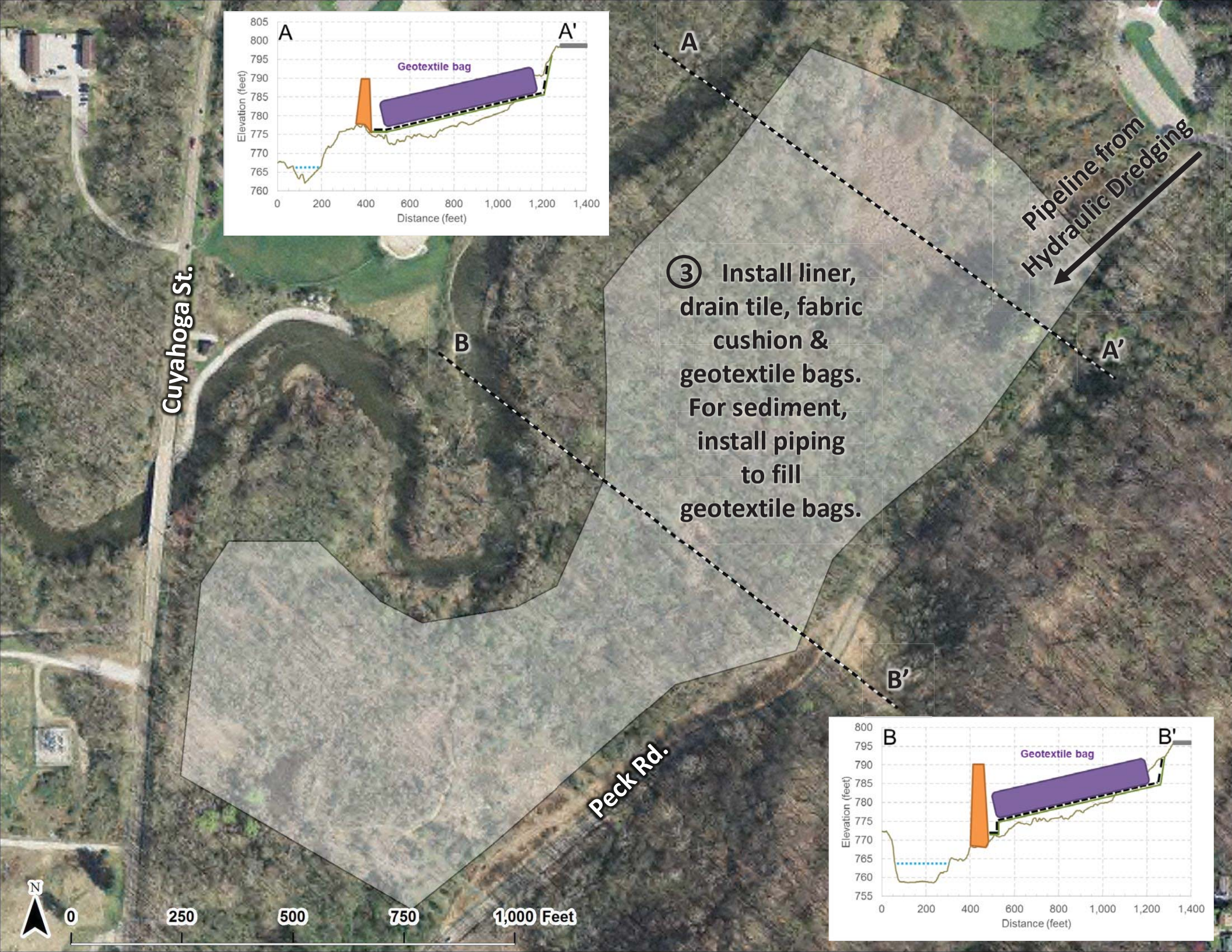
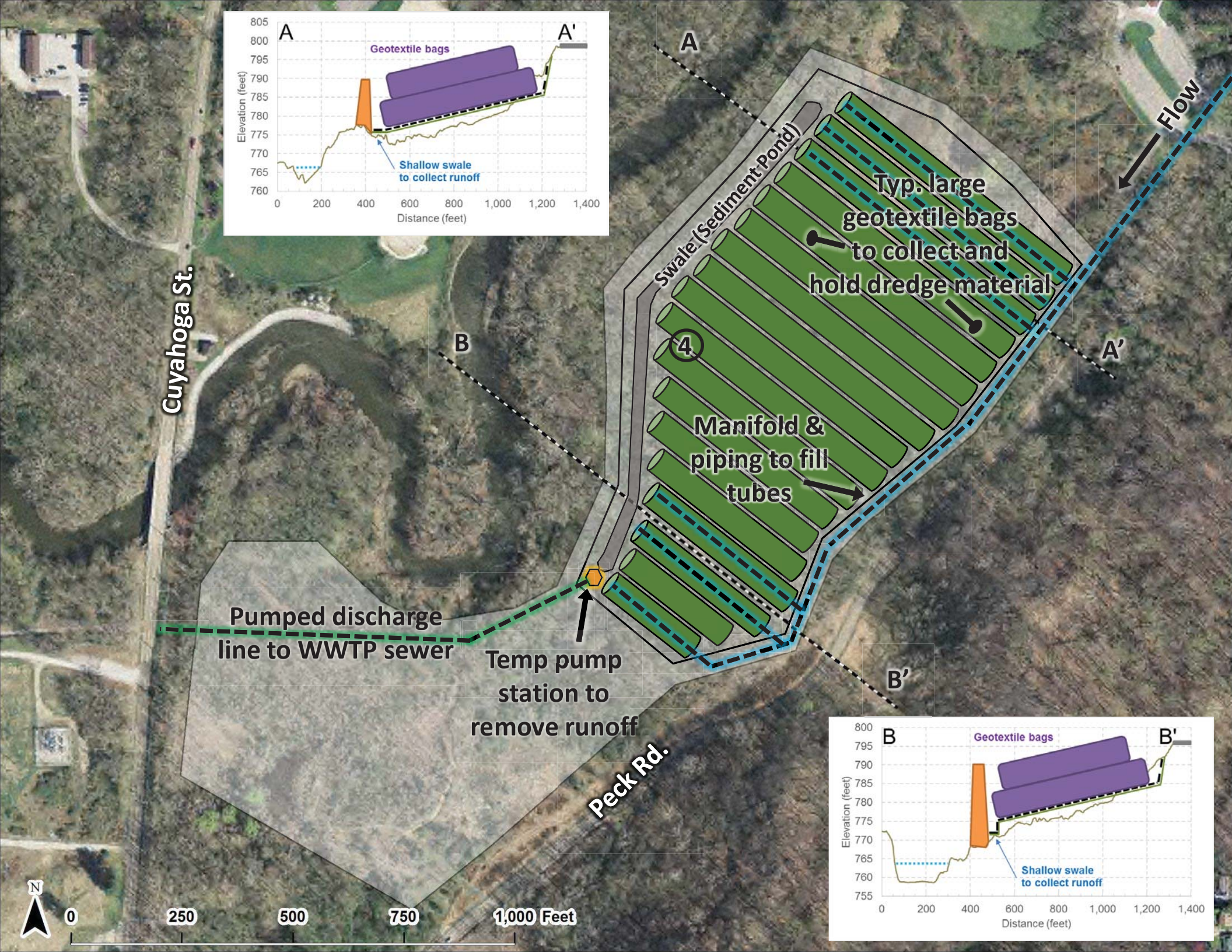
Pipeline
Cascade Disposal Site
11,000 ft
Peck Rd
Front St
Front St
N
0
1,000
2,000
3,000
4,000 Feet



A
A'
Elevation (feet)
805
800
795
790
785
780
775
770
765
760
Peck Road
Water surface elevation (+/-)
0
200
400
600
800
1,000
1,200
1,400
Distance (feet)
A
Approximate 100 year floodplain limit
Cuyahoga St.
B
① Clear & grub approximately 35 acres
A'
B'
Clearing limits
Peck Rd.
B
B'
Elevation (feet)
800
795
790
785
780
775
770
765
760
755
Peck Road
Water surface elevation (+/-)
0
200
400
600
800
1,000
1,200
1,400
Distance (feet)
N
0
250
500
750
1,000 Feet


A
A'
Impermeable liner and cushion fabric
Temporary earthern berm
Fill
Elevation (feet)
Distance (feet)
Construct perimeter berm with imported soil (Typ.)
2 Create shallow runoff collection/sedimentation pond
Cuyahoga St.
B
A'
B'
Open storage & marshalling area as needed
Peck Rd.
B
B'
Impermeable liner and cushion fabric
Temporary earthen berm
Fill
Elevation (feet)
Distance (feet)
N
0
250
500
750
1,000 Feet


A
A'
Geotextile bag
Elevation (feet)
805
800
795
790
785
780
775
770
765
760
0
200
400
600
800
1,000
1,200
1,400
Distance (feet)
A
Pipeline from Hydraulic Dredging
A'
③ Install liner, drain tile, fabric cushion & geotextile bags. For sediment, install piping to fill geotextile bags.
Cuyahoga St.
B
B'
Peck Rd.
B
B'
Geotextile bag
Elevation (feet)
800
795
790
785
780
775
770
765
760
755
0
200
400
600
800
1,000
1,200
1,400
Distance (feet)
N
0
250
500
750
1,000 Feet


A
A'
Geotextile bags
Shallow swale
to collect runoff
Elevation (feet)
805
800
795
790
785
780
775
770
765
760
0
200
400
600
800
1,000
1,200
1,400
Distance (feet)
A
A'
Flow
Swale (Sediment Pond)
Typ. large
geotextile bags
to collect and
hold dredge material
4
Manifold &
piping to fill
tubes
B
B'
Cuyahoga St.
Pumped discharge
line to WWTP sewer
Temp pump
station to
remove runoff
Peck Rd.
B
B'
Geotextile bags
Shallow swale
to collect runoff
Elevation (feet)
800
795
790
785
780
775
770
765
760
755
0
200
400
600
800
1,000
1,200
1,400
Distance (feet)
N
0
250
500
750
1,000 Feet

A

A'

B

B'

Cuyahoga St.

Peck Rd.

⑤ When geotextile bags are 75% full, add a second layer of bags to fill. When dredging is complete and material has stabilized, grade out perimeter berm soil as cover over filled tubes. Seed & mulch to establish cover vegetation

N

0 250 500 750 1,000 Feet