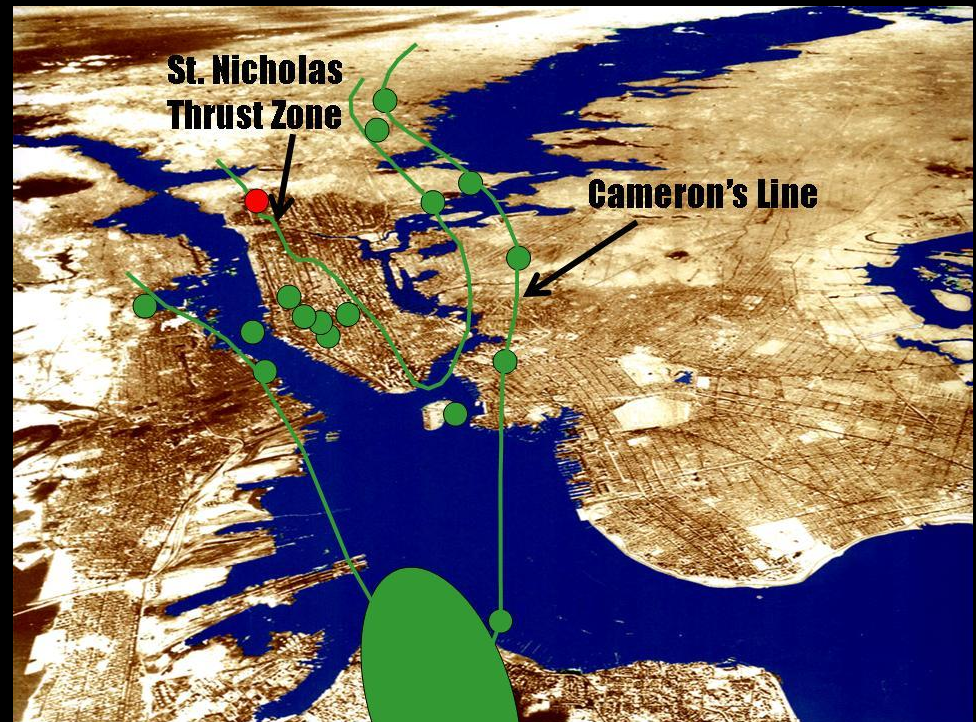


Newly Discovered Serpentinite Bodies Associated with the St. Nicholas Thrust Zone in Northern Manhattan

Charles Merguerian
Geology Department
Hofstra University

Cheryl J. Moss
Mueser Rutledge
Consulting Engineers



Tr/Ins

Jp

E - Oh

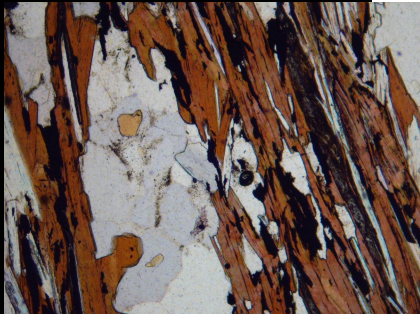
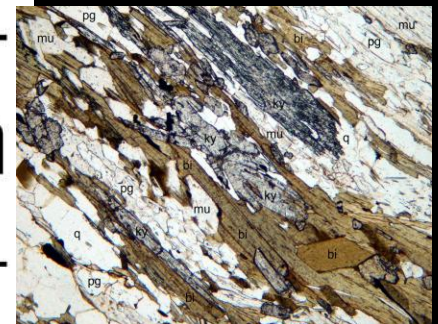
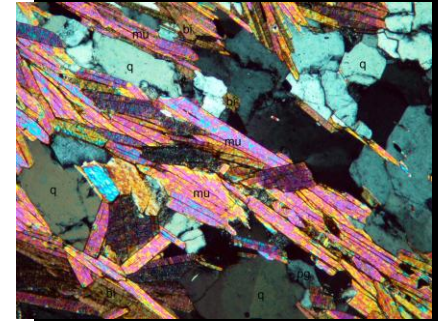
OW

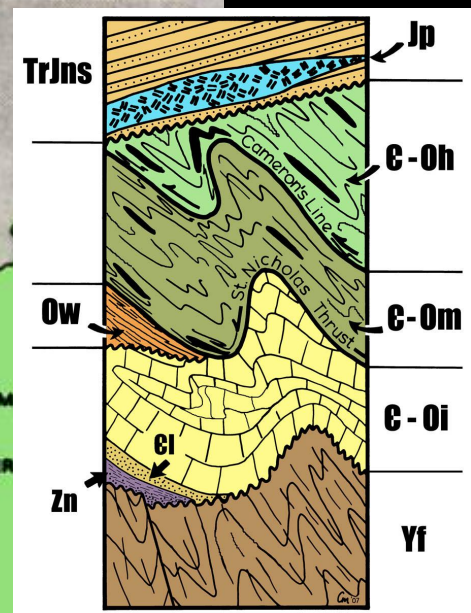
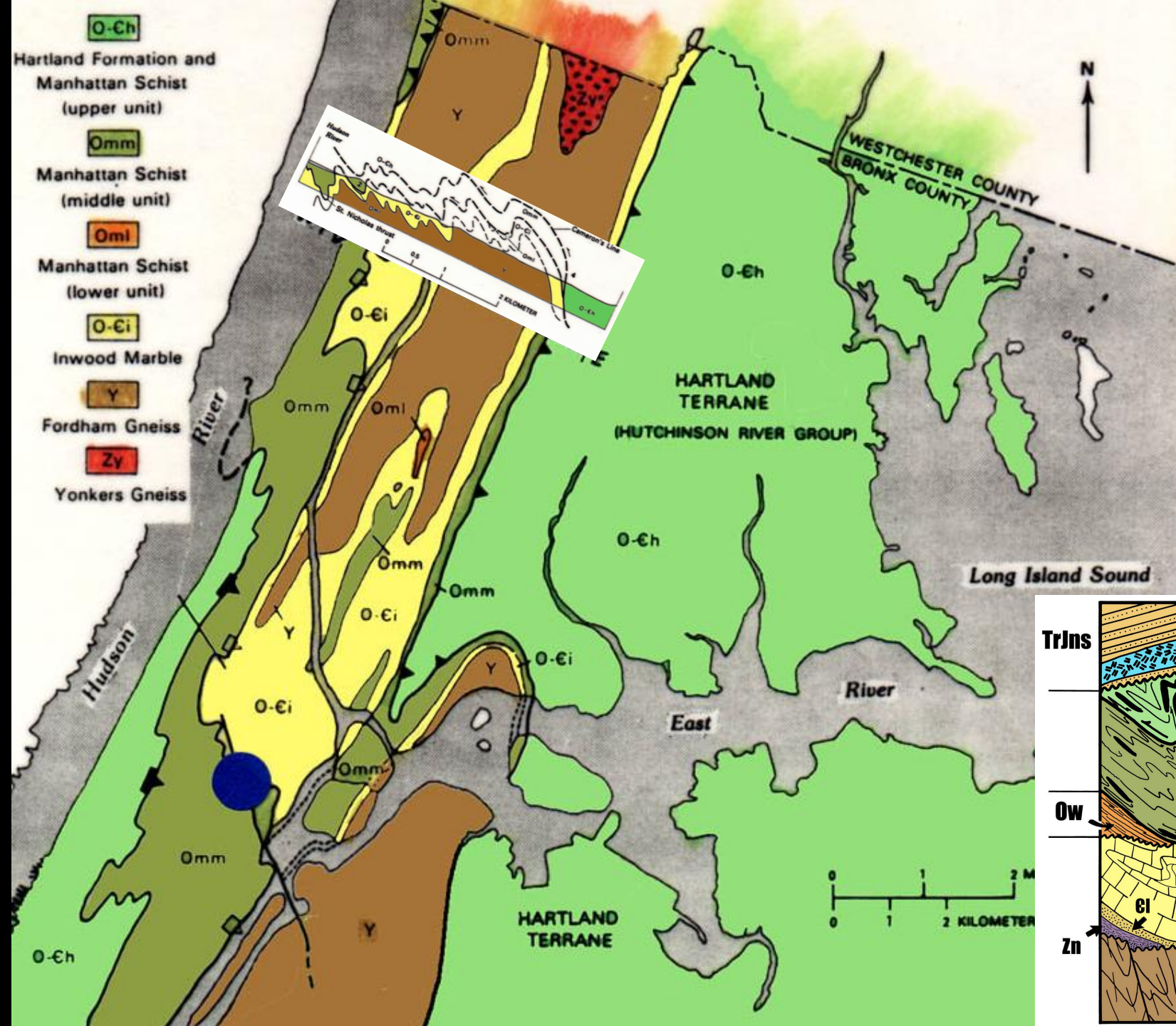
E - Om

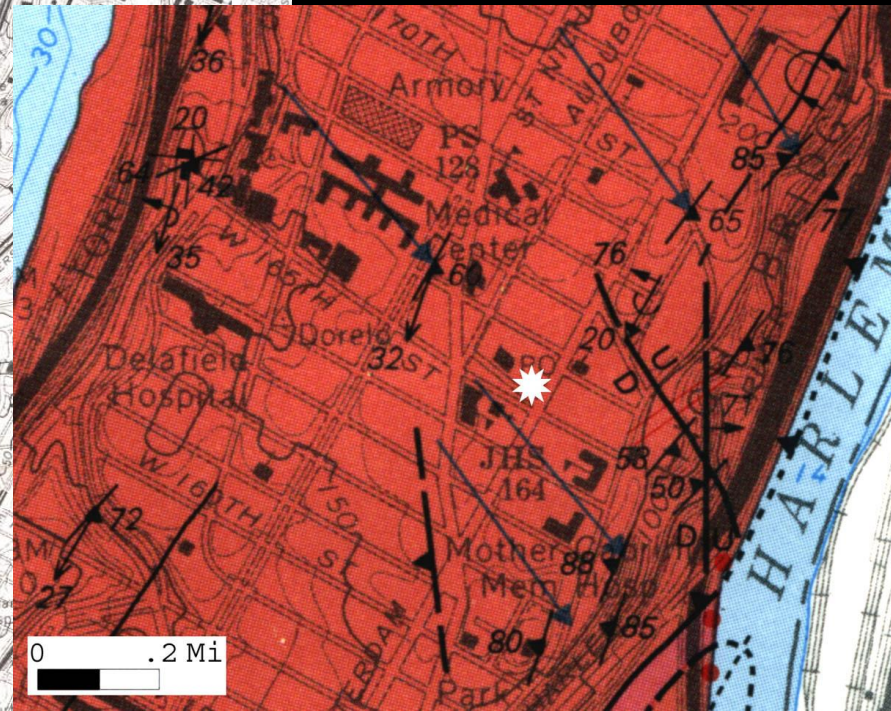
E - Oi

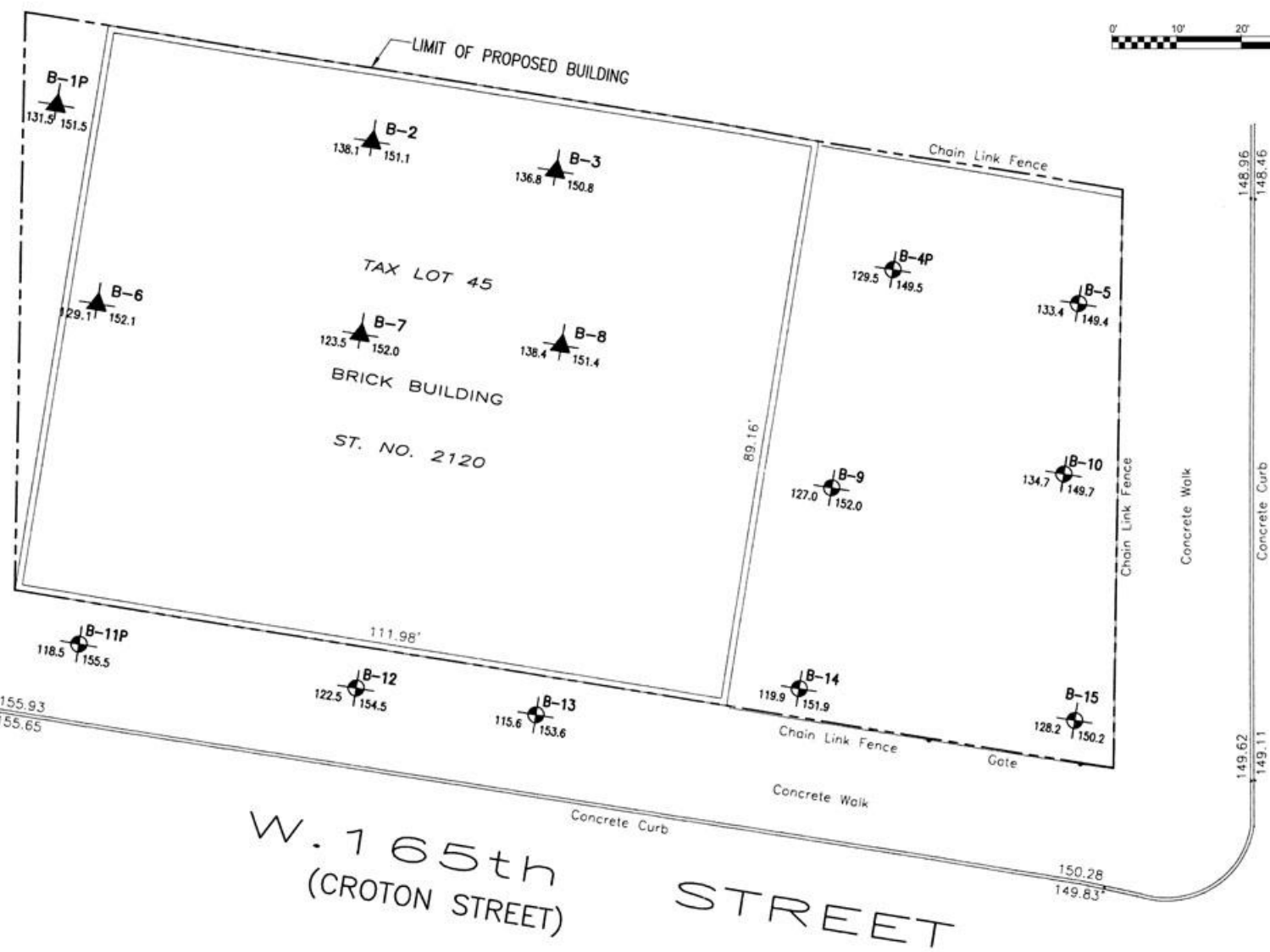
Zn

Yf



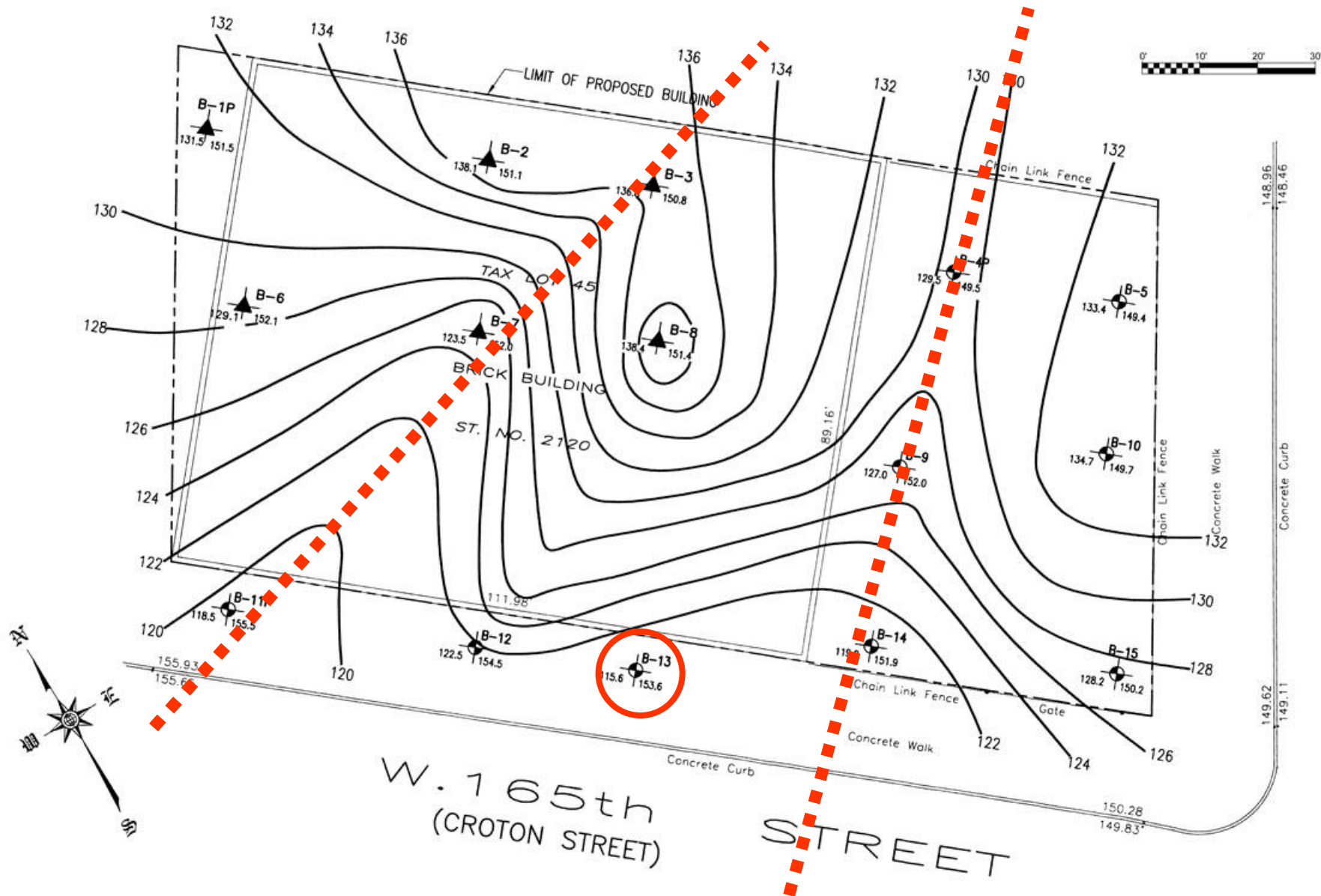






W. 165th
(CROTON STREET)
STREET

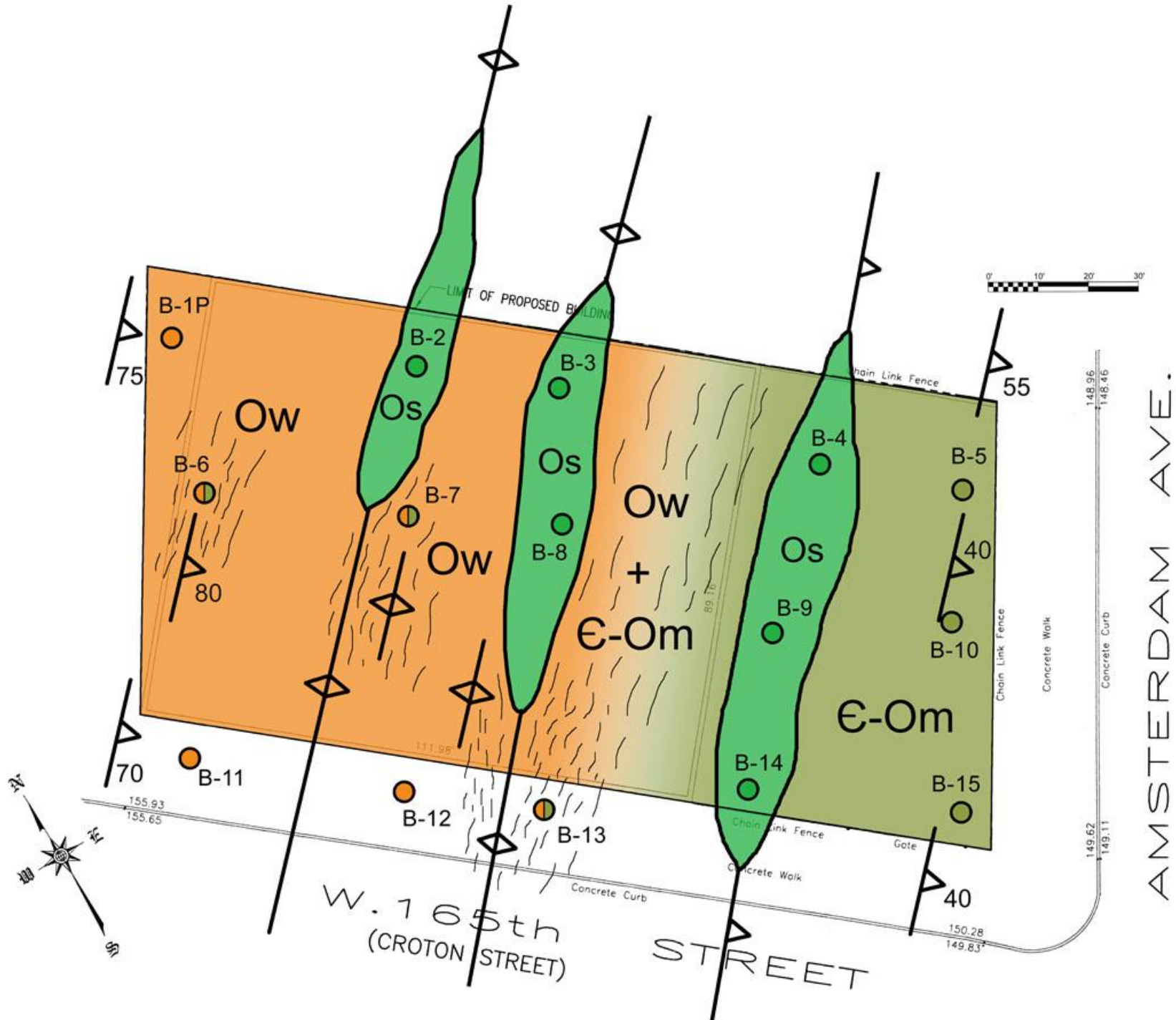
AMSTERDAM AVE.



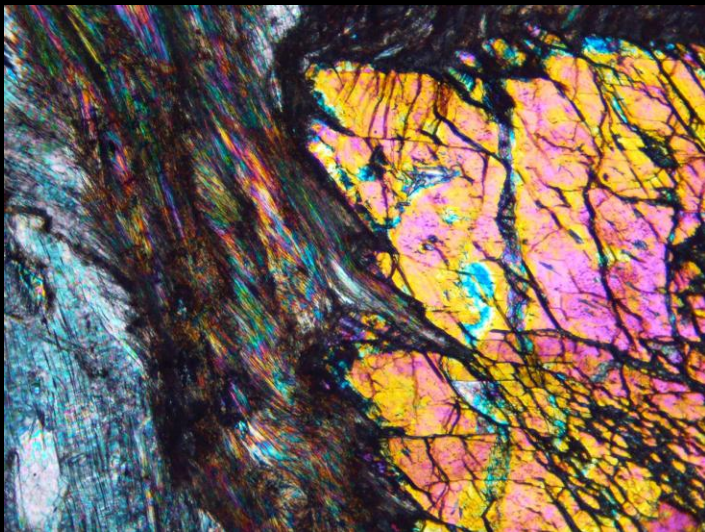
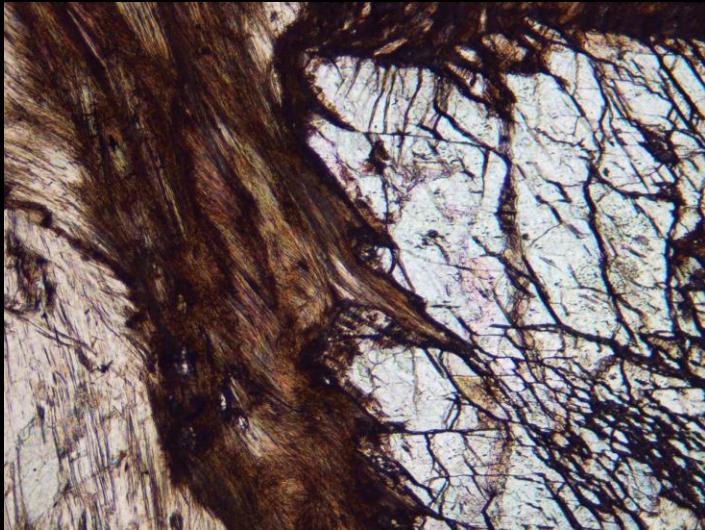
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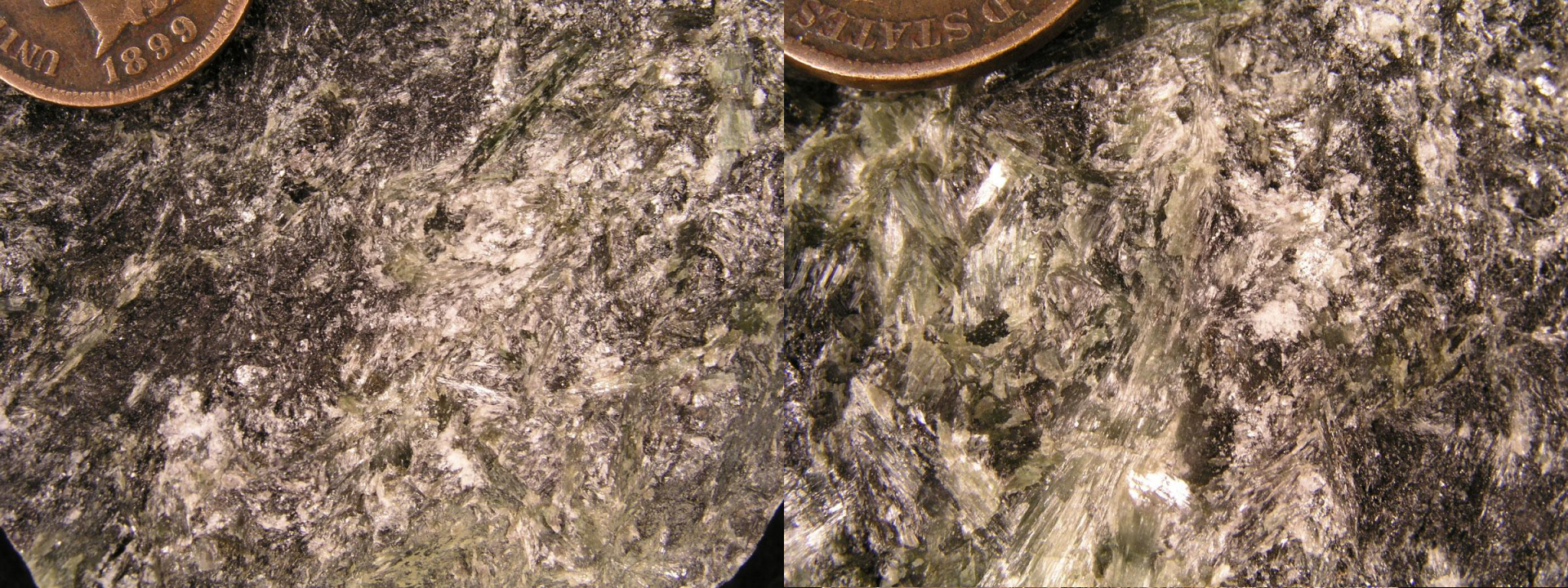
B-13
**Dip-slip
Slickenlines**

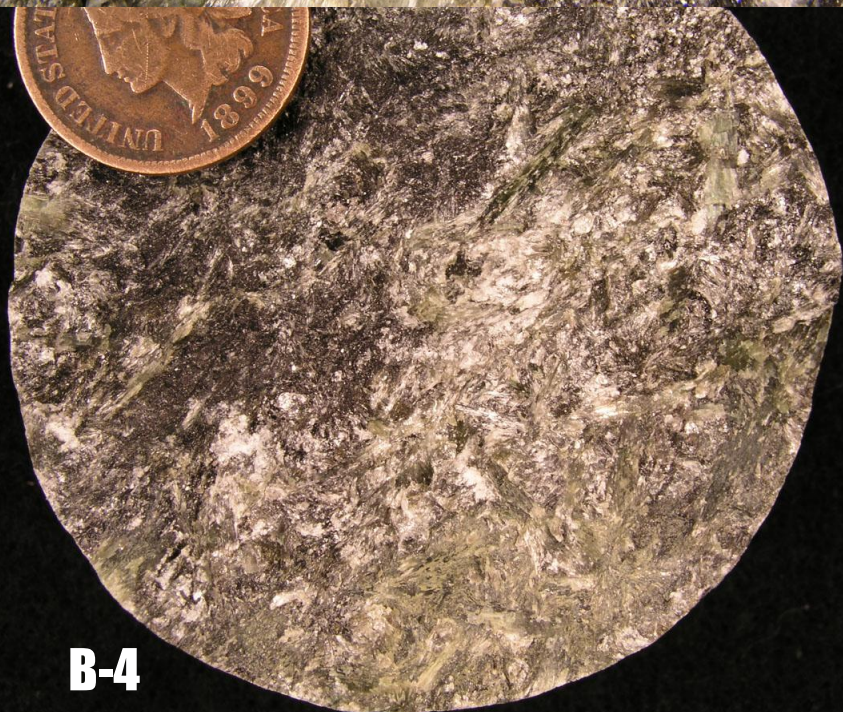


**Serpentine Found
in 40% of Borings
B-2 B-3 B-4 B-8 B-9 B-14**



B-2

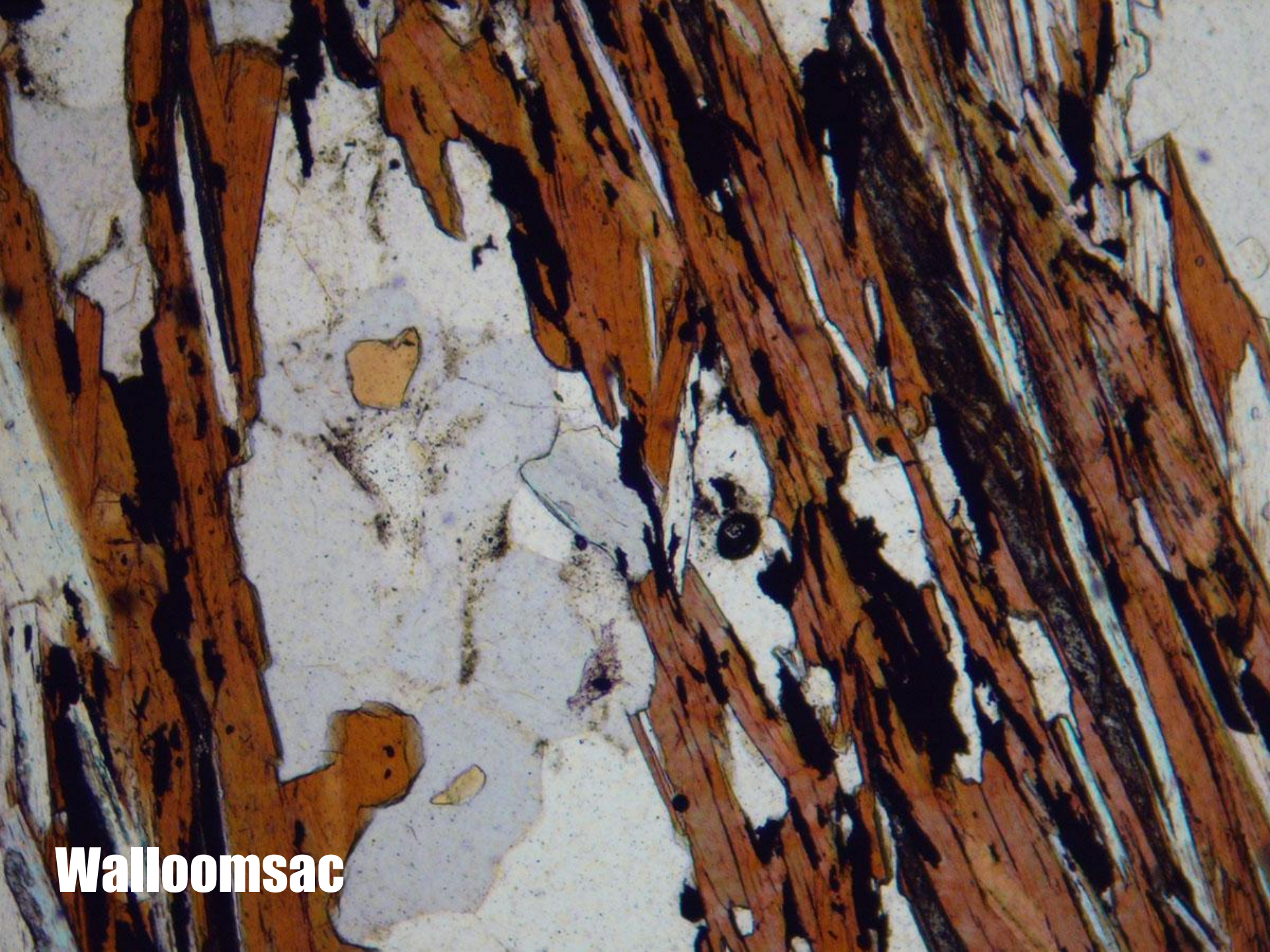




B-4

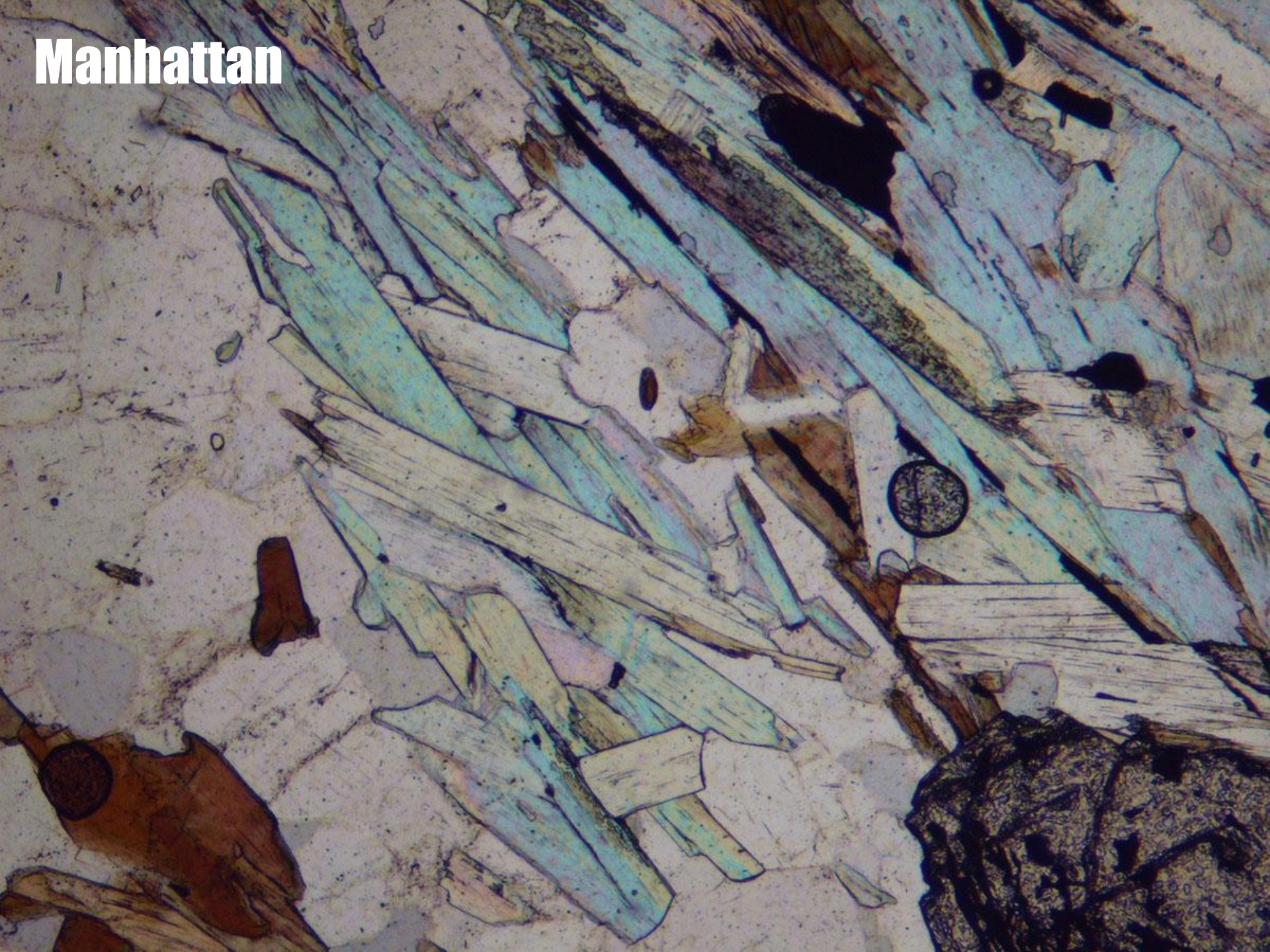


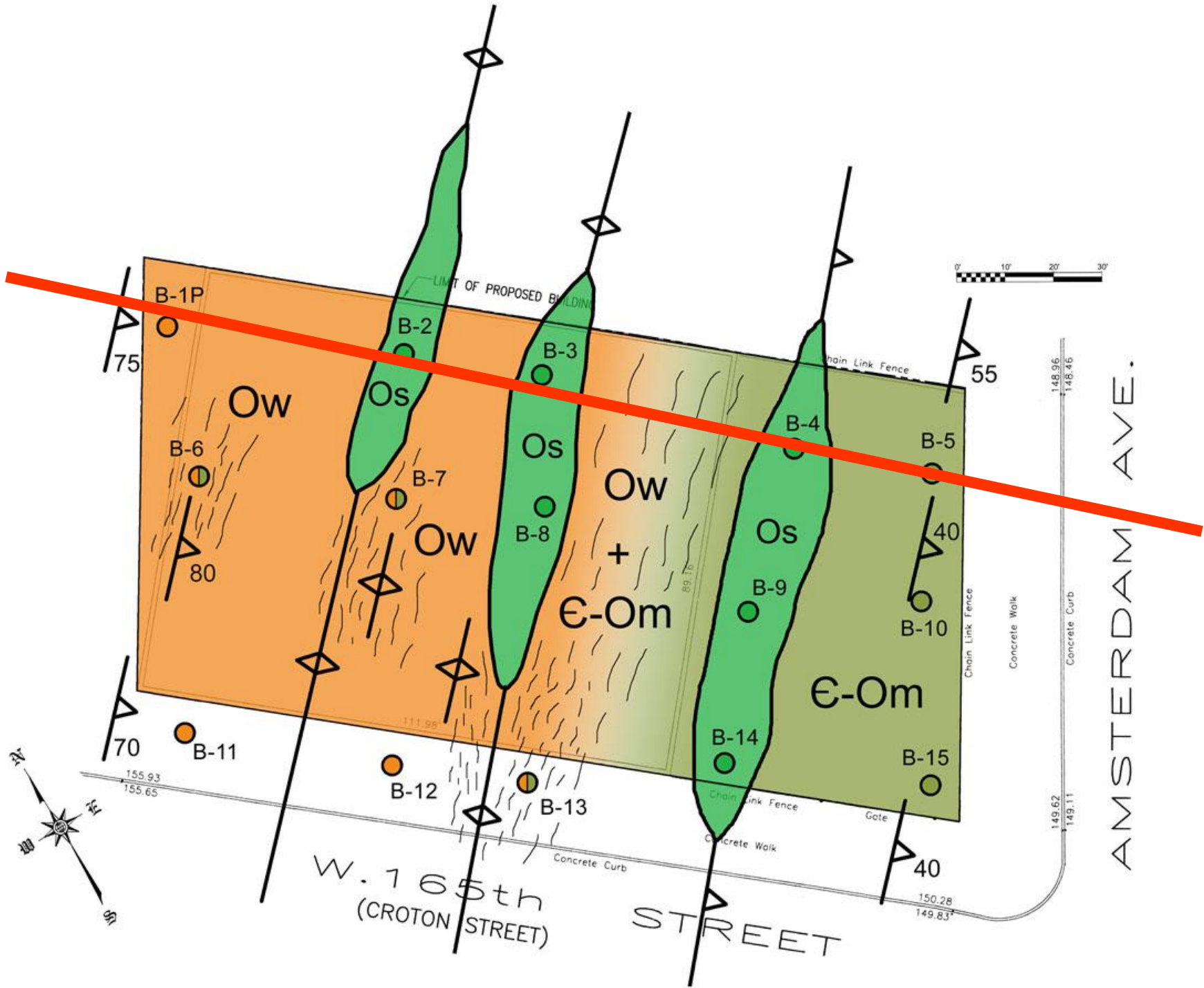
B-14

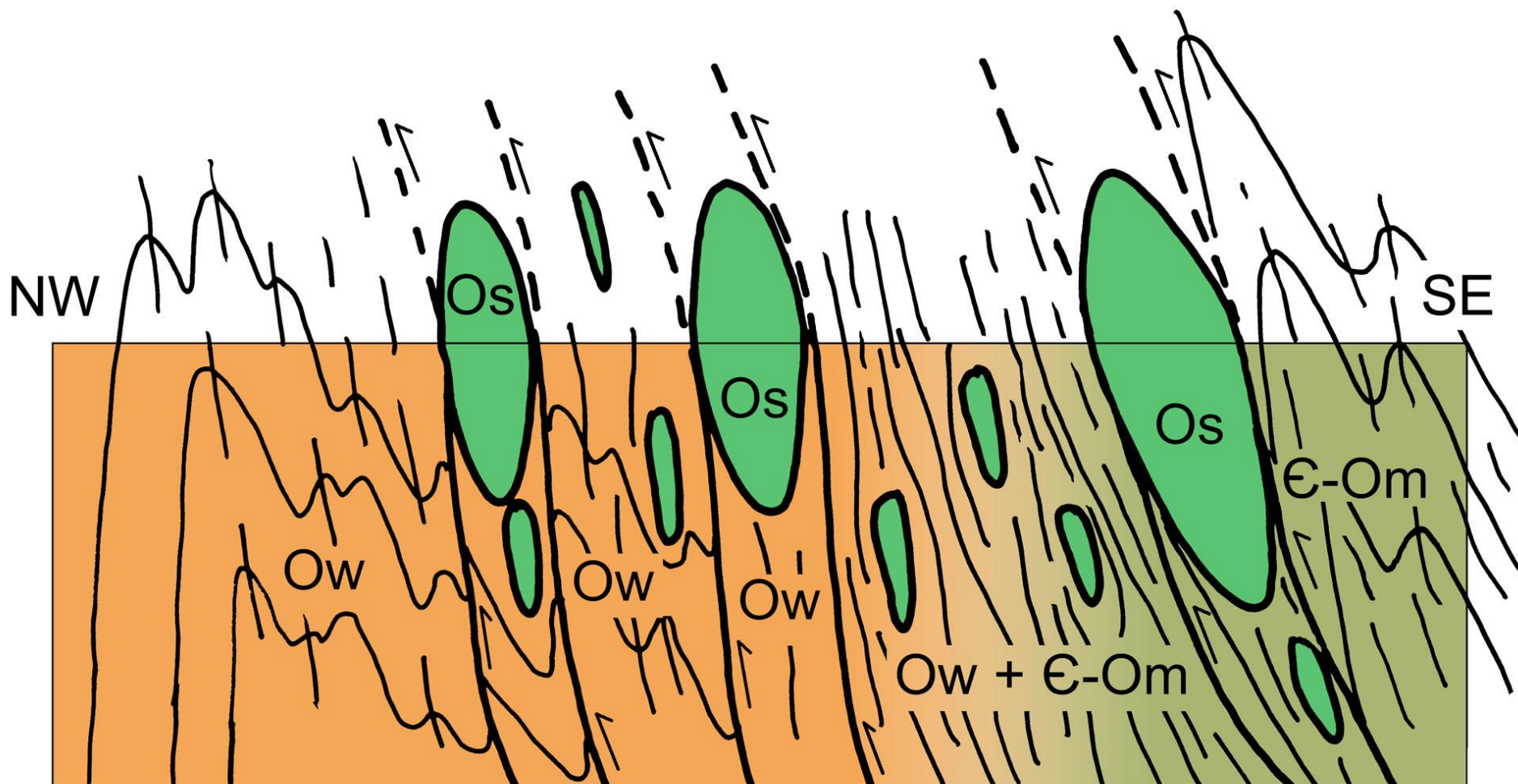


Walloomsac

Manhattan





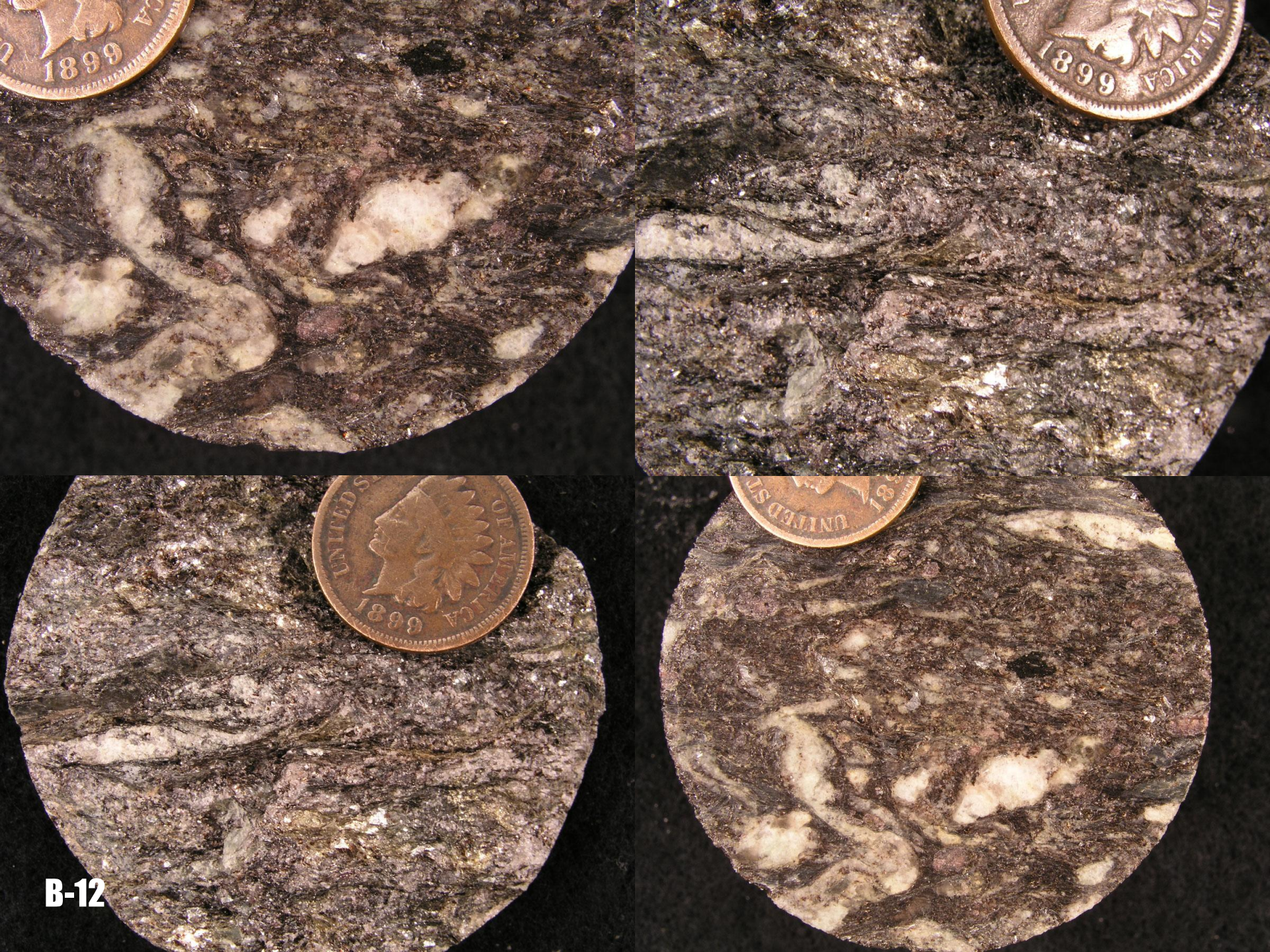




**Shredded Appearance
Mixed Lithologies**

B-01P





B-12



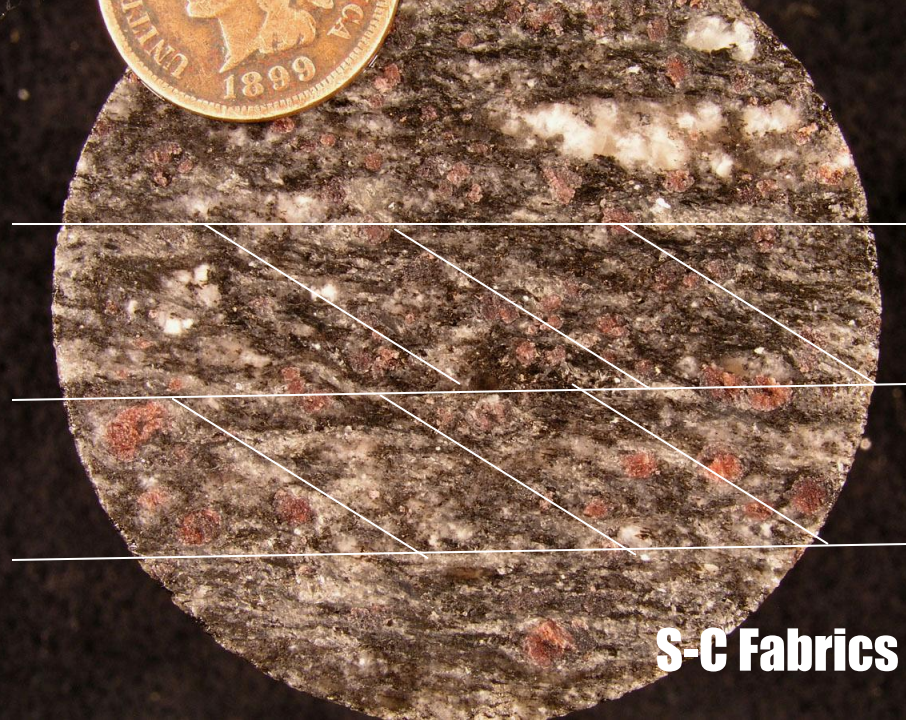
B-5



S-C Fabrics



B-5



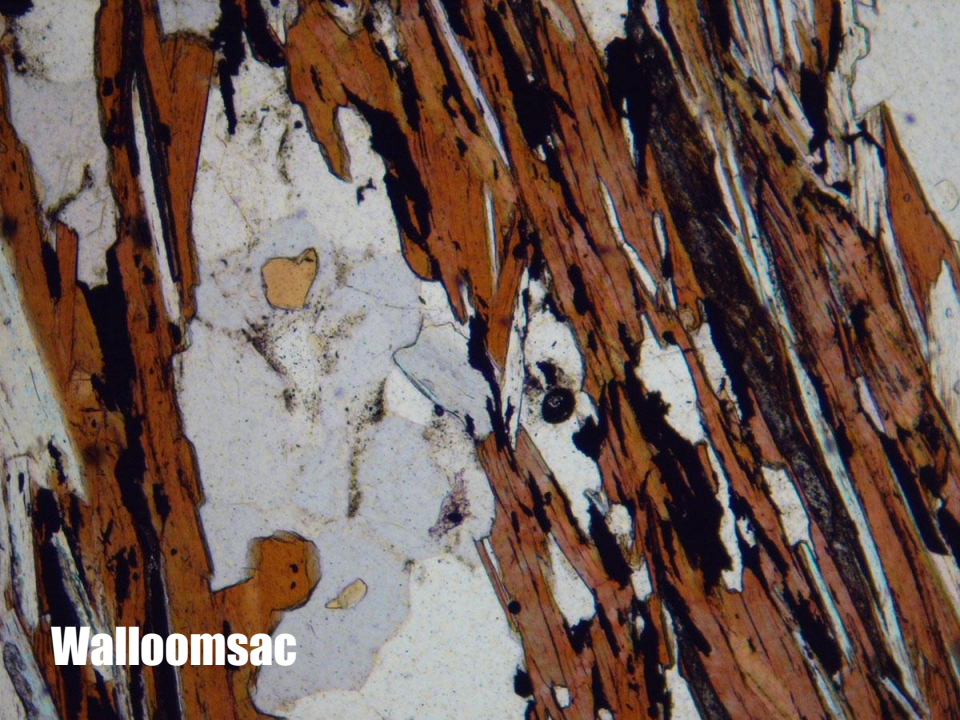
S-C Fabrics



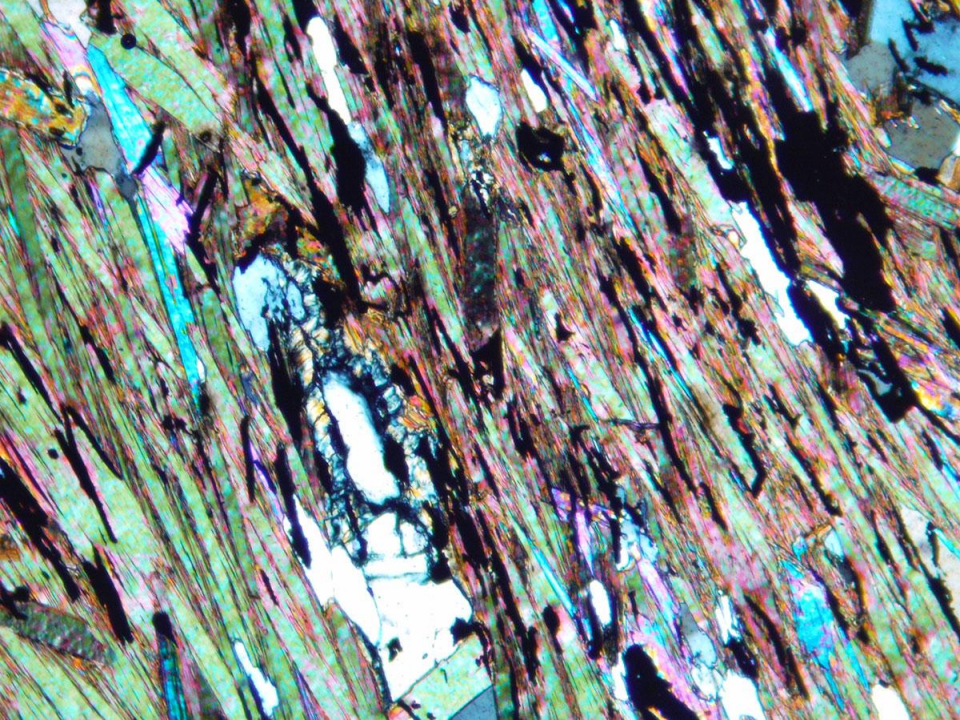
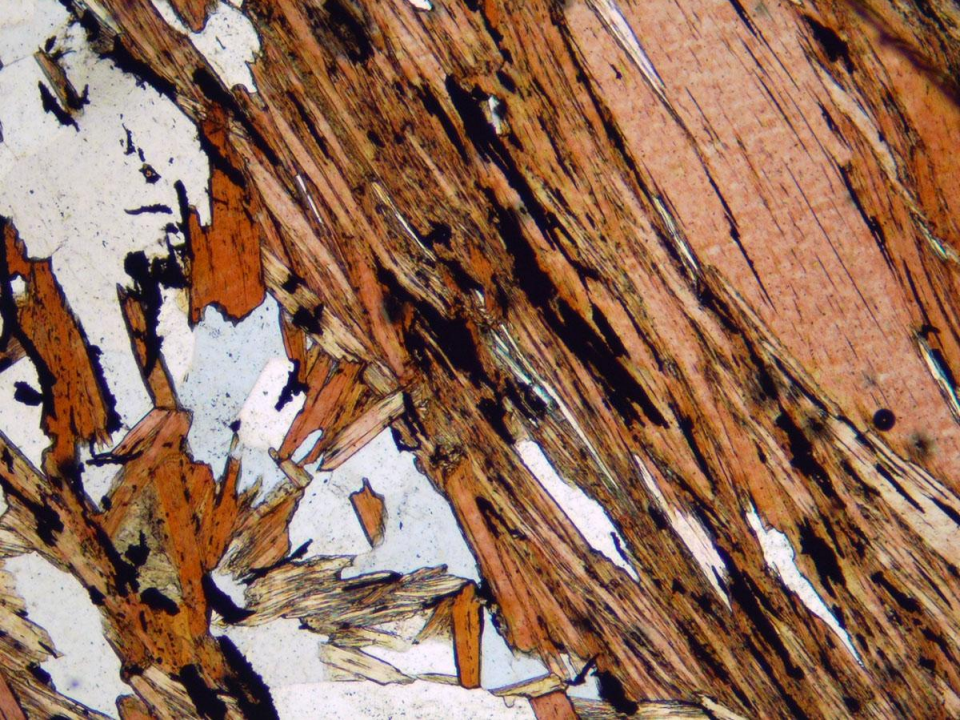
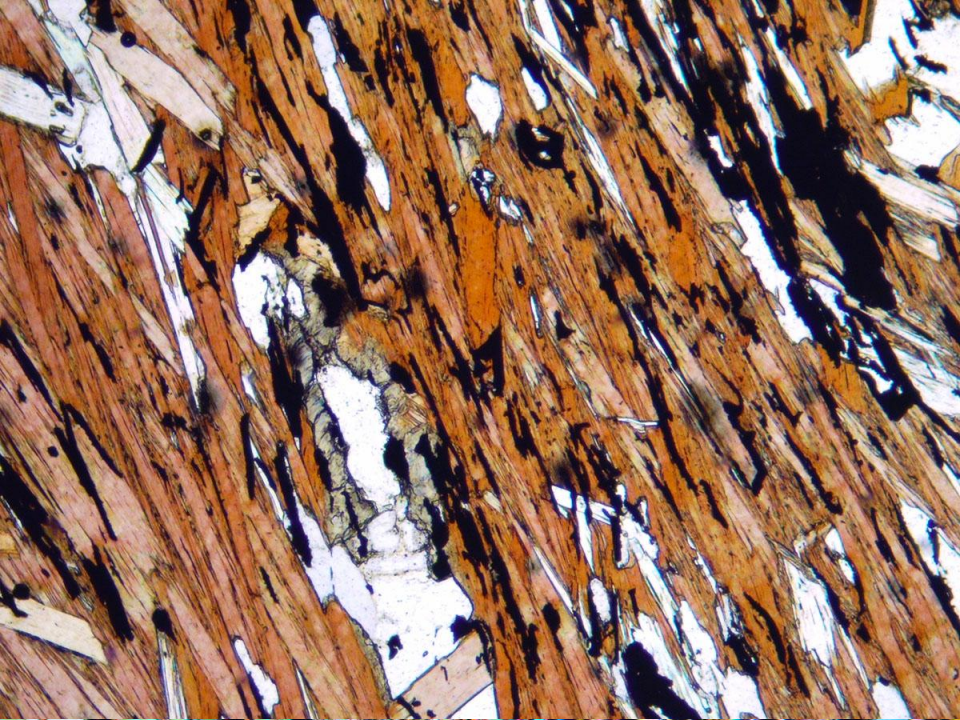
B-13

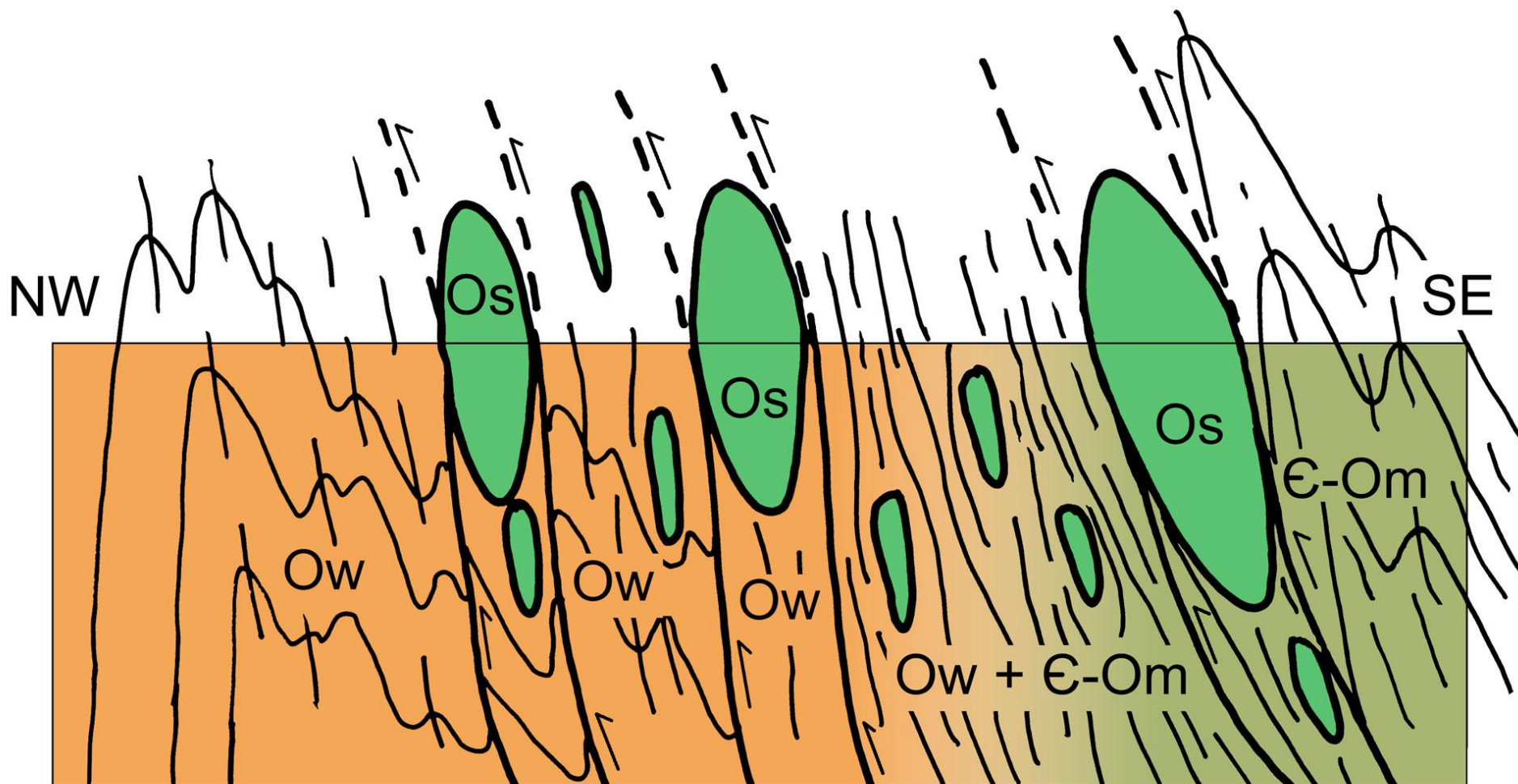


B-13



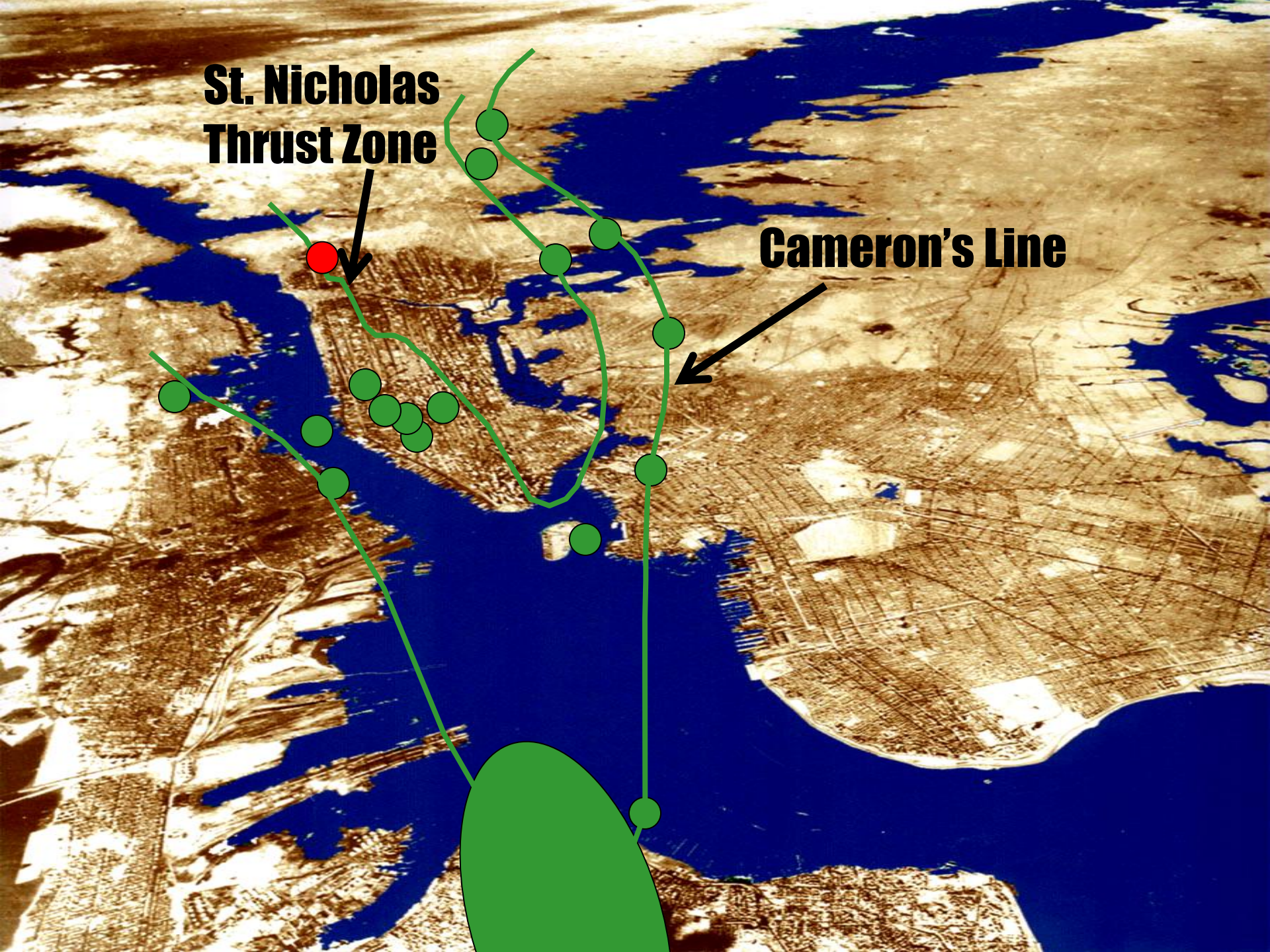
Walloomsac

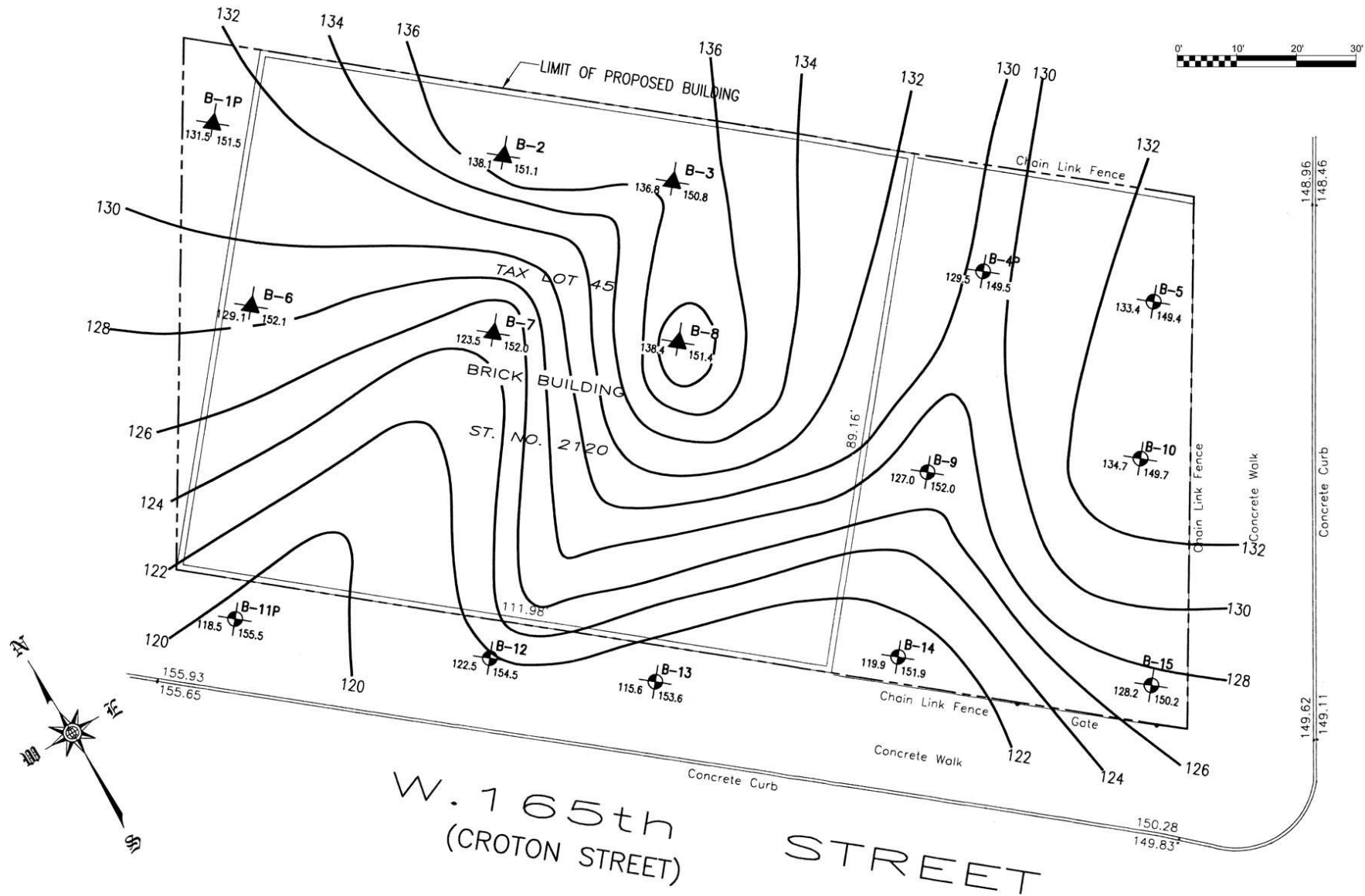




**St. Nicholas
Thrust Zone**

Cameron's Line





AMSTERDAM AVE.

