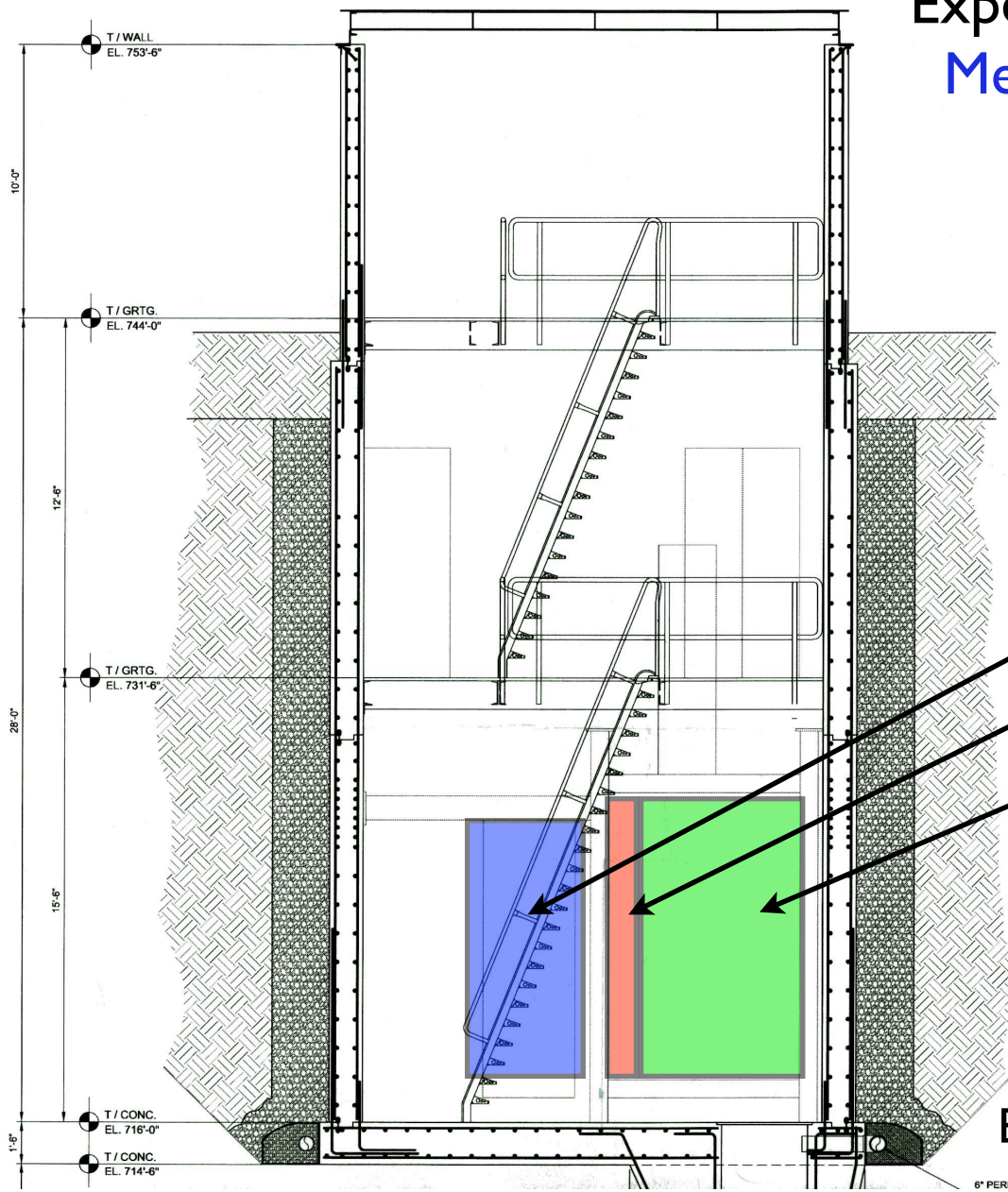
Construction Status

4/9/07

R.J. Tesarek
Fermilab

What is SciBooNE?



Experiment:

Measure neutrino cross sections

$$\nu n \rightarrow p\mu^-$$
$$\nu n \rightarrow \Delta^+\mu^-$$
$$\hookrightarrow p\pi^0$$

etc.

Detector:

Muon Range Detector

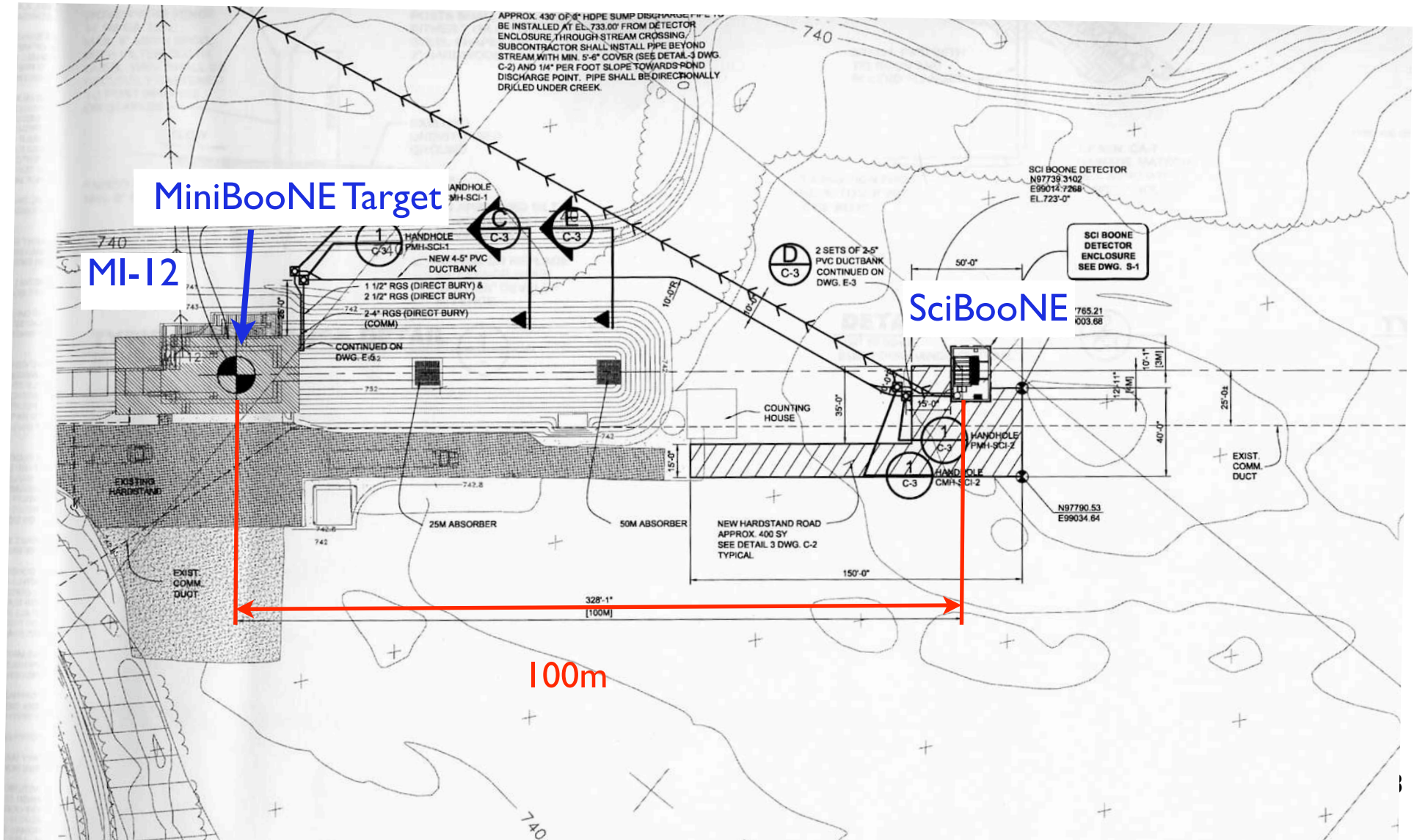
Electromagnetic Calorimeter

SciBar (target/tracker)

MiniBooNE neutrino Beam

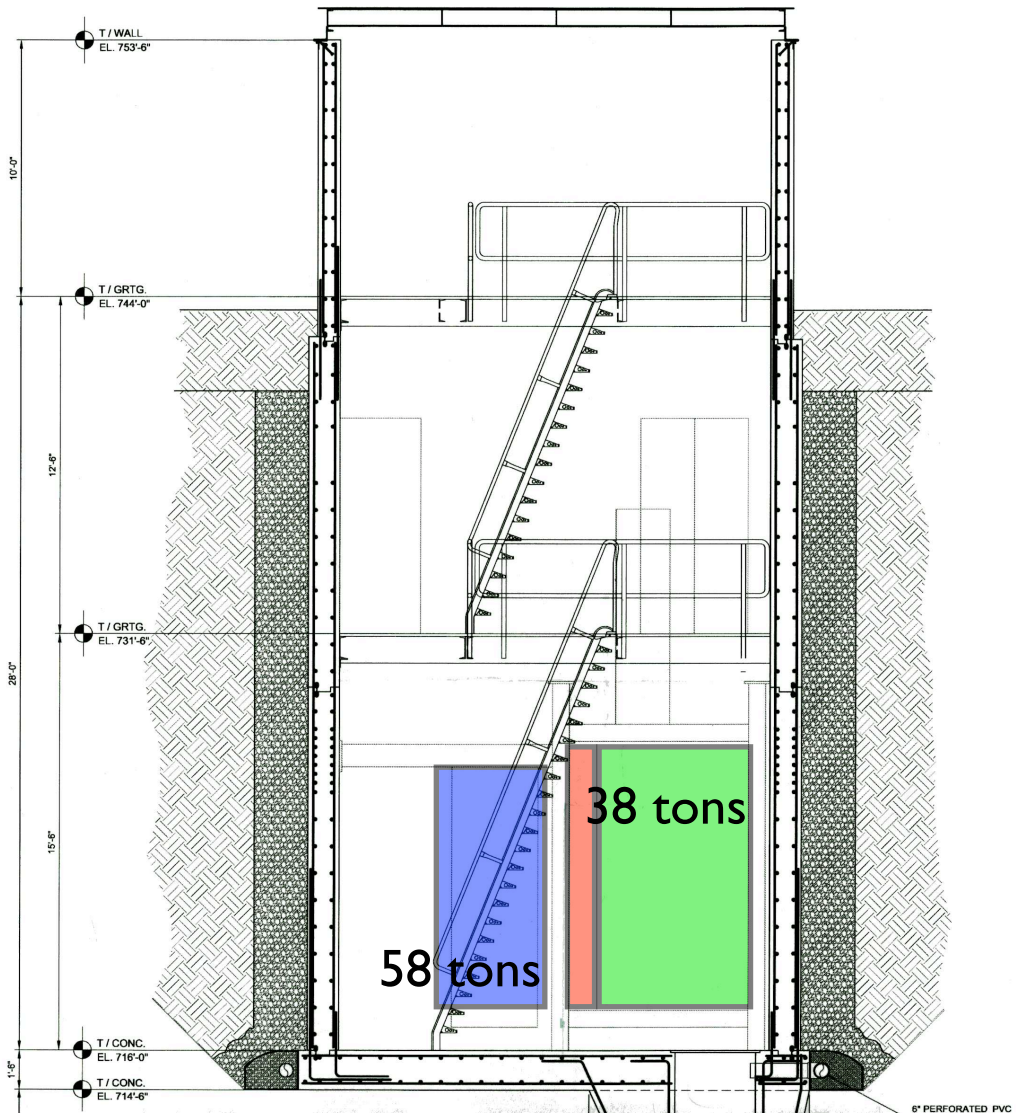
Building Dimensions: 19'x26'x28' deep

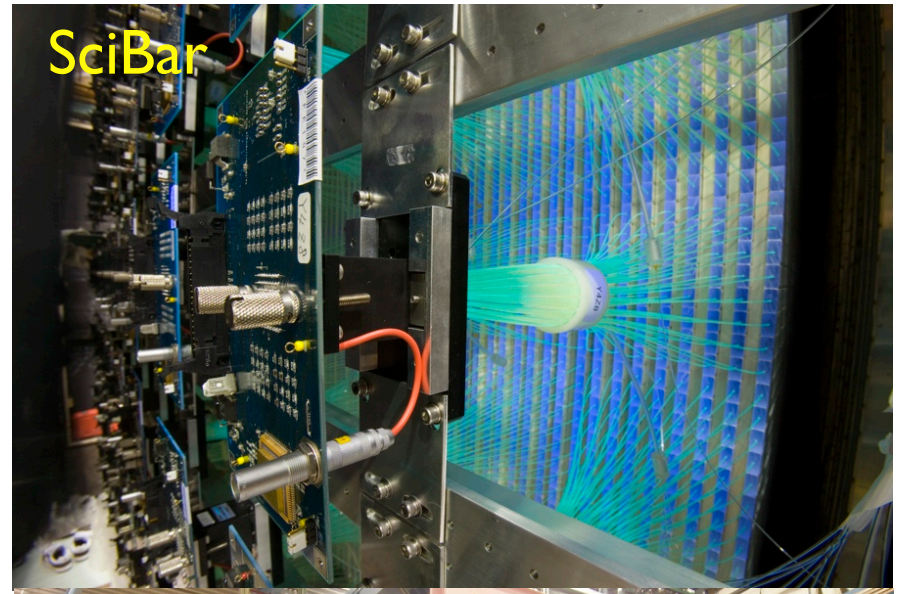
SciBooNE Location

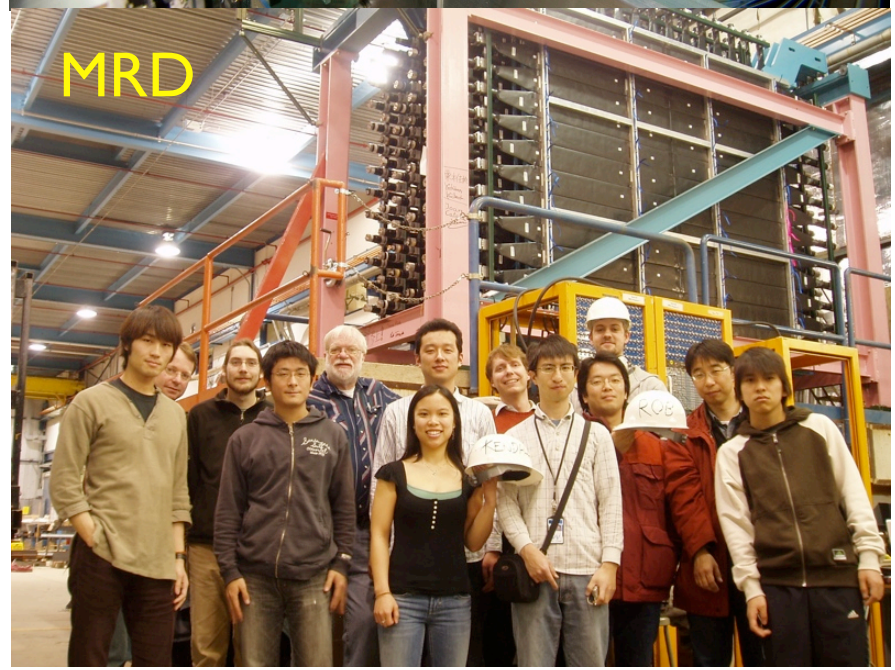


SciBooNE Civil Construction

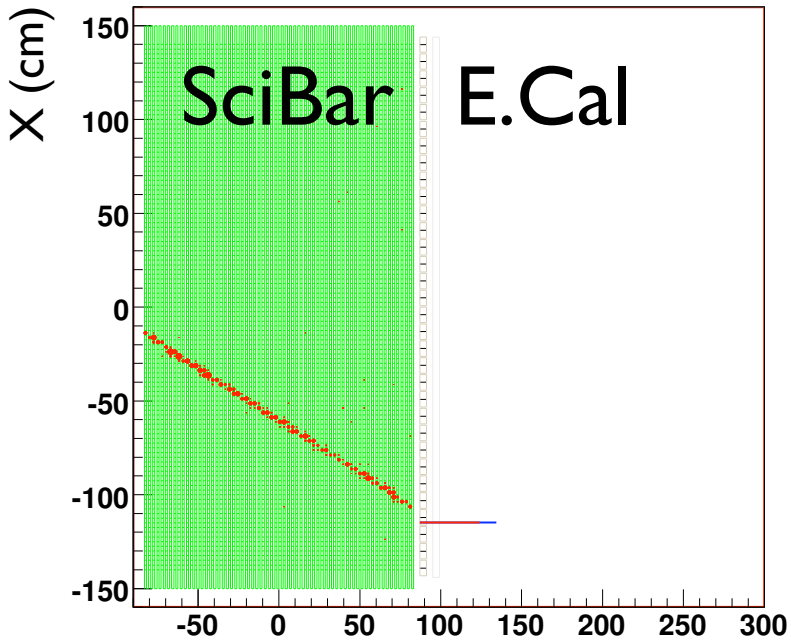
Detector Status

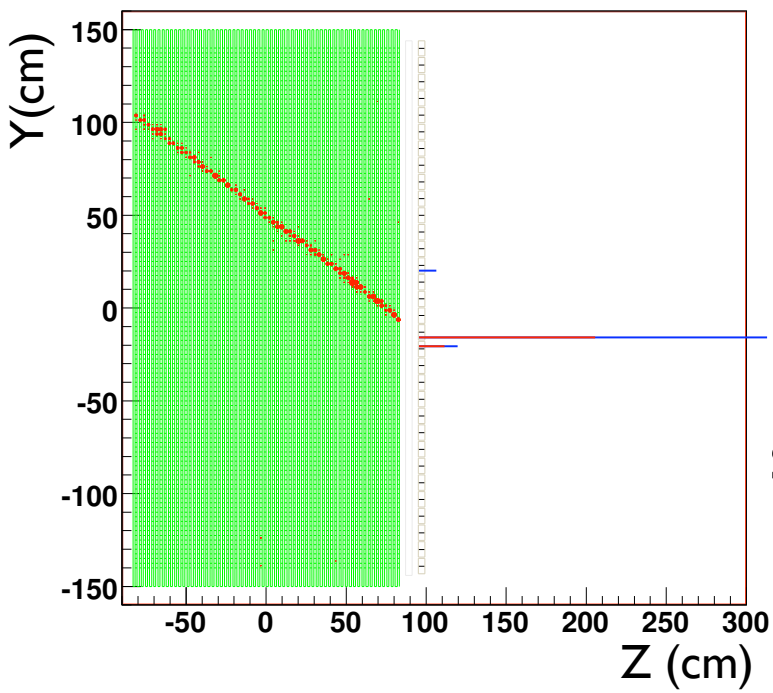




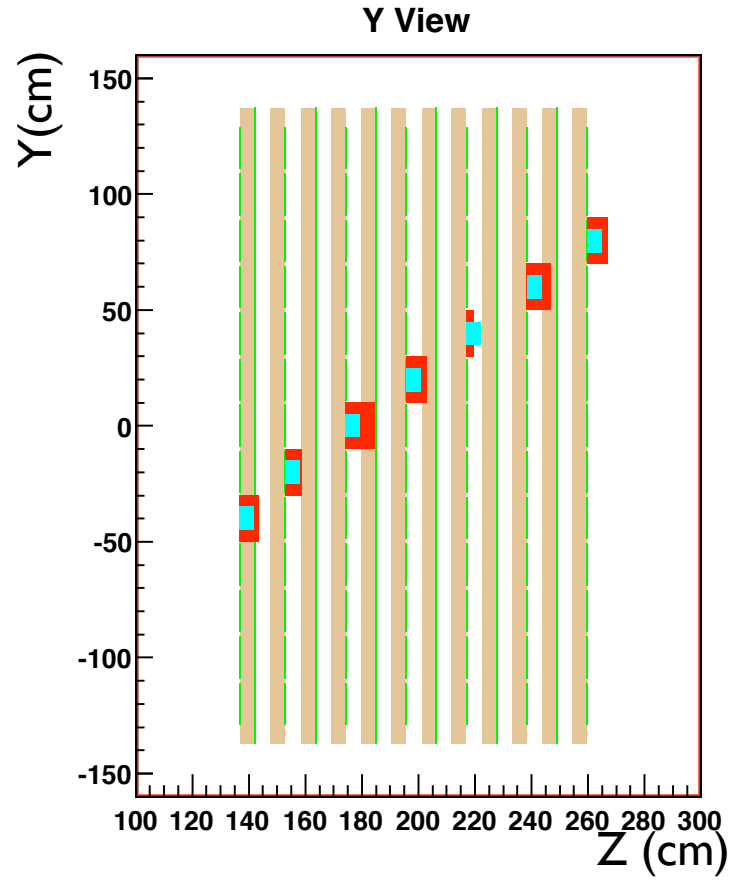


Cosmic Ray Data





Muon Range Detector



SciBar & EC staged at CDF (~15k channels)
MRD staged at Lab F (~360 channels)
Both detectors seen several million cosmic rays

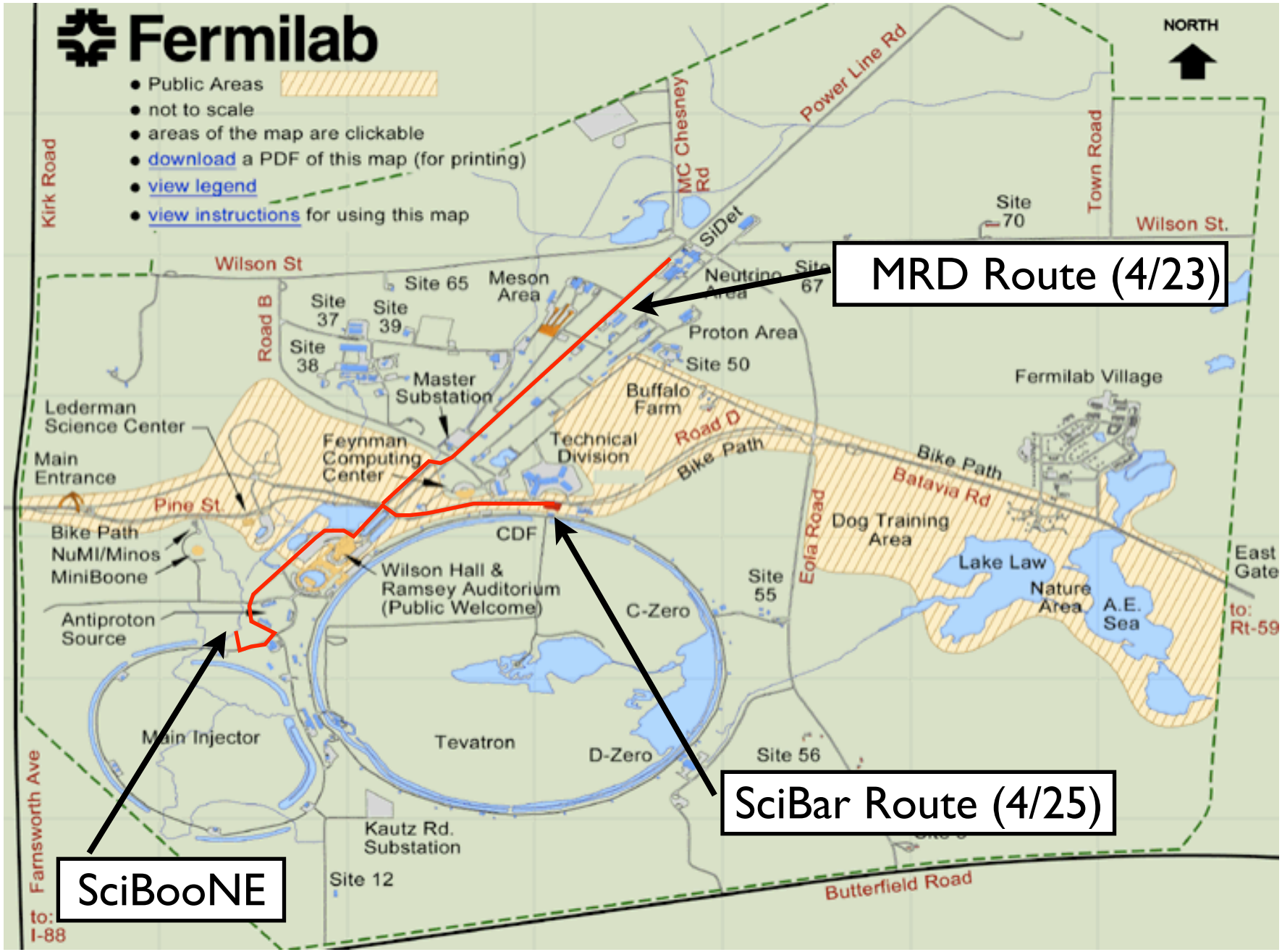
Status & Plans

Task Milestone	Date
Building beneficial occupancy	1/29/07
SciBar cosmic ray data	3/19 - 3/30
MRD cosmic ray data	3/26 - 3/30
Disassemble detectors	3/30 - 4/20
Move MRD*	4/23
Move SciBar*	4/25
Move electronics racks*	4/26
Building electrical work & survey	4/30 - 5/10
Re-cable detectors	5/7 - 6/8
Begin commissioning experiment	6/11

* Contingent on the weather

Block traffic in front of Wilson Hall

Detector Routes



Summary

SciBooNE nearing end of construction phase

- Final touches on building
- Detectors completed and debugged with cosmic rays
- Preparing to move detectors

Detector move

- Week of 4/23 detectors move (2 large pieces)
- Weather contingent
- Block traffic in front of Wilson hall for short period 2 days

Re-assembly/commissioning

- Re-assembly and commissioning to take neutrino data in June