Explore the possibilities!

1. Determine/confirm realistic settling velocity of grit - by 2/16 (mid-February)
    a. Define what “grit” actually is
        i. How dense is it?
        ii. What is the settling velocity/diameter of the particles?
        iii. How uniform are the particles?
    b. Talk to Walker/John about grit in Agalteca and Marcala
        i. What are they getting in the flocculator?
        ii. How much of it are they getting?
        iii. What problems are they facing from grit build-up?
        iv. How often do they have to clean the flocculator?
        v. Does the grit interact with coagulant significantly?
2. Combined Flocculator/Grit Removal Chamber - By mid-March
    a. Check Monroe’s previous analysis
    b. Determine main constraints (baffle spacing, costs, plan view area, grit roll up, grit removal efficiency, etc….)
    c. Determine minimum spacing between baffles
    d. Cumulative removal efficiency of plate settlers in series
3. Grit Removal then Flocculation - By mid-April
    a. Plate settlers in parallel (smaller entrance tank)
    b. Plate settlers in series (like flocculator)
    c. Cost savings: dosing before vs. after the grit removal chamber
4. Finalize design - By end of April
    a. Synthesize calculations into final recommended design
    b. Determine cost savings?