

Davidson, Tim

From: Davidson, Tim
Sent: Wednesday, September 08, 2010 10:22 AM
To: 'Ken Lee'
Subject: Casa Bella 3rd

Ken,

Comments for Casa Bella 3rd:

Grading Plan:

1. SWS should be extended; 13 lots drain to one inlet Blk 2, Lots 1-13.
2. SWS extended; Blk 1, Lots 9-12 and 25-30.
3. End-section FL elev for SWS outfall into pond.
4. Culvert FL elev., US & DS.
5. Is there a culvert under Casa Bella?
6. Street name label on cul de sac.
7. HP label, Blk 1, Lot 31.
8. Permanent overflow structure for pond.
9. VO appears too low for 2% fall from home, Blk 1, Lot 3.
10. VO appears too low, Blk 2, Lot 5.
11. Rim elevation on area inlets.
12. Sumps for SWS curb inlets.
13. Minimum pad table in NGVD and NAVD for lots adjacent to pond (on plat, too).

Report:

1. Who maintains Reserve E? – should be a note on plat, or covenant and note referencing covenant. Is this reserve to be platted, separately?
2. There appears to be a substantial barrier between the culverts that go under 127th St. The calculations appear to assume all 3 culverts serve the site, but it looks from LiDAR that 1 culvert, the 36", serves the majority of the developed runoff coming down the ditch along 127th St.
3. Would like to see hydrographs to show basins into detention, and how reservoir works with un-detained portions of runoff to 127th St culverts.
4. Was not sure what basin L was doing in the report. The existing grade does not seem to convey basin L to the pond, but the pond is encompassed in basin L.
5. Drainage arrows in basins for drainage plan would help.
6. Grading plan calls out 18" SWS, but HY-analysis table, labeled as pond outlet, lists a 24" SWS.
7. Probably should have some downstream channel protection for the ditch, given the point discharge from the pond.

Alright. . . Thanks,

Tim Davidson
Storm Water
Associate Engineer, EIT

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