



## Final Acceptance (FA) – Punchlist from EPC Stormwater

Project Name:	Gleneagle Subdivision F2
PCD Filing Number:	VR1818
ESQ #:	ESQ1816
EPC Stormwater Personnel:	Ben Jones, Glenn Reese, Molly Layshock
Date of Walk-Thru:	12/15/2022
FA Walk-Thru #:	1

Internal Note: Pre-FA walk-thru of detention basin C and Westchester Drive headwall completed by EPC Stormwater personnel Ben Jones, Erica Rylander, Josh Augustenborg, and Molly Layshock on 12/14/2022.

Findings to be addressed prior to scheduling a follow-up FA inspection:

### Swale K

- Vegetate bare spots along slopes (Photo 1)
- Remove straw wattle temporary control measures
- Address erosion (Photo 2)

### Swale J

- Remove straw wattle from upstream side of swale at the end of concrete (Photo 3)

### Swale L

- Remove sediment from upstream side of swale at the end of concrete
- Remove straw wattle at end of concrete
- Address erosion along concrete channel behind Lots 6-8 (Photo 5)
- Clean sediment from riprap at end of concrete channel

### Detention Basin C (Sheets C2-C3, Drainage, Grading and Erosion Details)

- Interior width of trickle channel was measured as 16" (Sheet C.3 shows 24" in two details and 12" in another detail)
  - Per DCMv2 – Chap 4.2, trickle channels should at a minimum provide capacity equal to twice the release capacity at the upstream forebay outlet. Have engineer confirm that the 16" channel meets this criteria.
- Remove temporary straw wattles and backfill and seed trench line so pond bottom matches grade with top of trickle channel curb
- Address multiple cracks in trickle channel
- Address west-facing bare area along embankment (Photo 7)
- Install 12' gravel access road as per plans (Photo 6)

### Detention Basin C Outfall (West of Westchester Dr, see Detention basin outfall Sheet C4)

- Concrete channel adequate in place of 5x10' riprap pad at outfall, just reflect on as-builts.
- Remove temporary straw wattle from along concrete channel

### Orifice Plate and Trash Rack Details and Notes (Sheet C3, Drainage, Grading and Erosion Details)

- Stainless steel bolts or intermittent welds (see Figure OS-5) are not installed as per plans
- Gasket is not installed as per plans (Figure OS-5)
- Actual diameter of installed outlet pipe is 24". Two details on Sheet C.3 show 24" and one detail shows 18". Make sure this discrepancy is resolved in the as-builts. Drainage report calcs includes 24", so 24" installation is acceptable, the 18" detail callout is presumed to be a typo
- Restrictor plate not installed at correct height above outlet pipe invert as per plans (~12" in the field compared to 6" on plans)

### Emergency Spillway

- Emergency spillway measures 26 feet rather than 13 feet as per plans. Larger is fine, just reflect this on as-builts

### Micropool

- Trickle channel curb does not tie into wall of micropool (Photo 4)

### Photos:



Photo 1: Stabilize slope of Swale K.



Photo 2: Address severe erosion in Swale K.



Photo 3: Remove straw wattle temporary control measure from upstream side of Swale J.



Photo 4: Where trickle channel meets micropool is not installed per approved plans; corners do not tie into the walls in the field.



Photo 5: Repair erosion along concrete swale behind Lots 6-8 west of Stone Eagle Place.



Photo 6: Install 12' gravel access road as per plans at Detention Basin C.



Photo 7: Address west-facing bare area along Detention Basin C embankment and remove temporary straw wattle.



Photo 8: Restrictor plate not installed at correct height