General Information (see reverse for instructions)					
Name of Project	Franklin Hills Estates & Country Club	**CGP Tracking No.**	**IR #20-10**	**Inspection Date**	1/18/2021

Inspector Name, Title & Contact Information	Inspector: David C. McKay, P.E. Reviewer: David McKay, P.E.
Present Phase of Construction	Phase 1
Inspection Location (if multiple inspections are required, specify location where this inspection is being conducted)	Areas of Concern as defined at site walk with wetlands commission

Inspection Frequency *(Note: you may be subject to different inspection frequencies in different areas of the site. Check all that apply.)*

Standard Frequency: ☐ Weekly ☐ within 24 hours of a 0.5" rain

Increased Frequency: ☐ Every 7 days and within 24 hours of a 0.5" rain (for areas of sites discharging to sediment or nutrient-impaired waters or to waters designated as Tier 2, Tier 2.5, or Tier 3)

Reduced Frequency:

- ☐ Once per month (for stabilized areas)
- ☒ Once per month and within 24 hours of a 0.5" rain (for arid, semi-arid, or drought-stricken areas during seasonally dry periods or during drought)
- ☐ Once per month (for frozen conditions where earth-disturbing activities are being conducted)

Was this inspection triggered by a 0.5" storm event? ☒ Yes ☐ No

If yes, how did you determined whether a 0.5" storm event has occurred?

☐ Rain gauge on site ☒ Weather station representative of site. Specify weather station source: **Weather Underground – Franklin**

Total rainfall amount that triggered the inspection (in inches): 2.12" rainfall starting on Saturday, January 16th at 1am ending at 10:00am (9 hours)

Unsafe Conditions for Inspection

Did you determine that any portion of your site was unsafe for inspection per CGP Part 4.1.5? ☐ Yes ☒ No

If "yes", complete the following:

- Describe the conditions that prevented you from conducting the inspection in this location:

- Location(s) where conditions were found:

Condition and Effectiveness of Erosion and Sediment (E&S) Controls				
Type/Location of E&S Control	**Repairs or Other Maintenance Needed?***	**Corrective Action Required?***	**Date on Which Maintenance or Corrective Action First Identified?**	**Notes**
1. Main Entry Water Crossing (Northerly of 3rd Hole Green)	☒Yes ☐No	☐Yes ☒No		Stone check dam immediately upgradient of crossing has been partially flattened due to trespassing ATVs and has reached full capacity (Photo 1). Stone check dam in trail leading down to crossing has reached capacity (Photo 2). Both check dams need accumulated sediment removed and minor repair. Additional check dams could be added along the trail could be added to address channelized flow in tire ruts.
2. 15th Green Sediment Barriers	☒Yes ☐No	☐Yes ☒No		Downgradient stone check dam remains in good condition. Sediment fence along the cart path and along the tree line have undermined in several locations each and should be repaired or reinforced with stone check dams. Southern check dams should have collected sediment removed. Intermediate fence needs to be re-staked. (Photo 3). Sediment fence rows and staked hay bales in south end have deteriorated and need to be replaced (Photo 4).
3. 15th Fairway Sediment Barriers	☒Yes ☐No	☐Yes ☒No		Stone check dams, stone apron are in good condition and functioning as intended. Collected sediment should be removed (Photo 5). Sediment fence has been downed and should be repaired.
4. Construction Entrance (Westerly of Proposed Maintenance Road)	☒Yes ☐No	☐Yes ☒No		Stone check dam and water bar across construction entrance are in good condition and functioning. Staked hay bales and sediment fence are deteriorating and have been removed from flow path (Photo 6). Diversion swale excavated to downgradient drainage structure was carrying flow and does not show signs of erosion. Stone check dams should be added to new swale if erosion occurs. Stone check dams could be added to steeper parts of driveway to address channelized flow in tire ruts.
5. 7th Hole Fairway Hillside	☒Yes ☐No	☐Yes ☒No		Check dams across 7th Hole fairway are in good condition overall and functioning as intended (Photo 7). Sediment fence has failed in several locations however given the upgradient vegetation failed sediment fence could be replaced with stone check dams instead of repairing.
6. 11th Hole Tee Box Area	☒Yes ☐No	☐Yes ☒No		Sediment fence row across path by 11th Hole tee box has failed due to ATV traffic (Photo 8). At time of inspection the area was stable except for tracking and rutting due to ATV traffic. Stone check dams could be installed across ATV track to disrupt channelized flow. Existing stone check dam needs removal of collected sediment.
7. 14th Hole Green Sediment Barriers	☒Yes ☐No	☐Yes ☒No		Sediment fence row at tree line is allowing flow underneath in two locations and needs to be corrected (Photo 9). Additional flow paths have begun along the cart path and a stone check dam should be added at the undermined sediment fence.
8. Created Wetlands Outlet	☐Yes ☒No	☐Yes ☒No		(Photo 10).

*** Note:** The permit differentiates between conditions requiring repairs and maintenance, and those requiring corrective action. The permit requires maintenance in order to keep controls in effective operating condition and requires repairs if controls are not operating as intended. Corrective actions are triggered only for specific, more serious conditions, which include: 1) A required stormwater control was never installed, was installed incorrectly, or not in accordance with the requirements in Part 2 and/or 3; 2) You become aware that the stormwater controls you have installed and are maintaining are not effective enough for the discharge to meet applicable water quality standards or applicable requirements in Part 3.1; 3) One of the prohibited discharges in Part 2.3.1 is occurring or has occurred; or 4) EPA requires corrective actions as a result of a permit violation found during an inspection carried out under Part 4.2. If a condition on your site requires a corrective action, you must also fill out a corrective action form found at www.epa.gov/npdes/stormwater/swppp. See Part 5 of the permit for more information.

Condition and Effectiveness of Pollution Prevention				
Type/Location of P2 Practices	**Repairs or Other Maintenance Needed?***	**Corrective Action Required?***	**Date on Which Maintenance or Corrective Action First Identified?**	**Notes**
1.	☐Yes ☐No	☐Yes ☐No		
2.	☐Yes ☐No	☐Yes ☐No		
3.	☐Yes ☐No	☐Yes ☐No		
4.	☐Yes ☐No	☐Yes ☐No		
5.	☐Yes ☐No	☐Yes ☐No		
6.	☐Yes ☐No	☐Yes ☐No		
7.	☐Yes ☐No	☐Yes ☐No		
8.	☐Yes ☐No	☐Yes ☐No		

* **Note:**

Stabilization of Exposed Soil			
Stabilization Area	**Stabilization Method**	**Have You Initiated Stabilization?**	**Notes**
1. Construction Access Drive	Plans - Anti-tracking pad Existing - Water bar at site entrance	☒ Yes ☐ No ☐ N/A	Sediment fence and staked hay bales have deteriorated and been removed. A newly excavated swale has been constructed, apparently to keep runoff out of the road. There was flow in the swale during the inspection with no evidence of erosion. Add stone check dams to swale if erosion occurs.
2. 7th Hole Fairway Hillside	Plans – Multiple rows of silt fence Existing – Series of stone check dams and silt fence	☒ Yes ☐ No ☐ N/A	Area is stabilized at this time. Stone check dams are in good condition. Sediment fence rows and staked hay bales have failed since previous inspection. Since the upgradient area is stabilized the sediment fence rows could be replaced with stone check dams to prevent erosion due to channelized flows.
3. 15th Hole Fairway	Plans – Silt fence and stone check dam Existing – Series of stone check dams and silt fence at limits of wooded area to the west	☒ Yes ☐ No ☐ N/A	Erosion is occurring at the southern limit of the green where erosion control mats were previously installed. This area should be stabilized with stone since dense vegetation has not been established under the mat. Stone check dams and sediment fence rows remain in generally good condition. Collected sediment from check dams should be removed. Sediment fence is undermined at the cart path and along the and should be repaired or reinforced with stone check dams. Intermediate sediment fence through the sapling stand should be re-staked in failed areas.
4. 11th Hole Tee Box Area	Plans – Silt fence and diversion channel Existing – Single row of silt fence across path and one stone check dam	☒ Yes ☐ No ☐ N/A	Sediment fence has been knocked over by ATV traffic but area remains stable due to vegetation other than ruts and tracks from ATV traffic. Additional stone check dams could be added across the path to address possible erosion from channelized flow.

Description of Discharges	
Was a stormwater discharge or other discharge occurring from any part of your site at the time of the inspection? ☒ Yes ☐ No **If "yes", provide the following information for each point of discharge:**	
Discharge Location	**Observations**
Swale by Construction Access Drive	Clear flow to downgradient drainage structure.
Main Entry Water Crossing	Clear flow contained within stream banks.
Created Wetlands Outlet	Clear flow into channel.

Certification and Signature by Permittee
(see reverse for instructions)

"I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature of Permittee or "Duly Authorized Representative": _____ **Date: 1/18/2021**

Printed Name and Affiliation: David McKay, P.E. for Boundaries, LLC

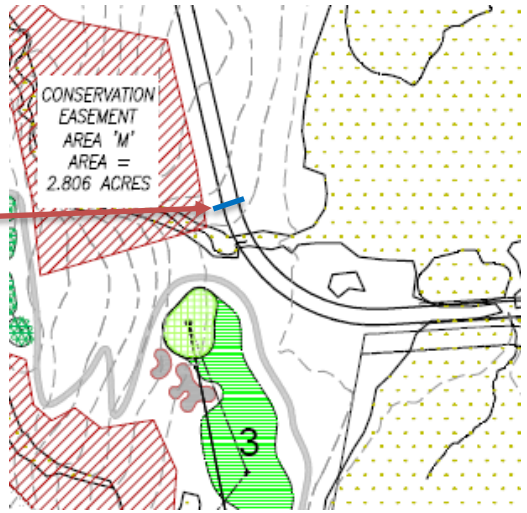

Photo 1: Stone check dam immediately upgradient of main entry water crossing has flattened due to ATV traffic and has reached capacity with collected sediment.

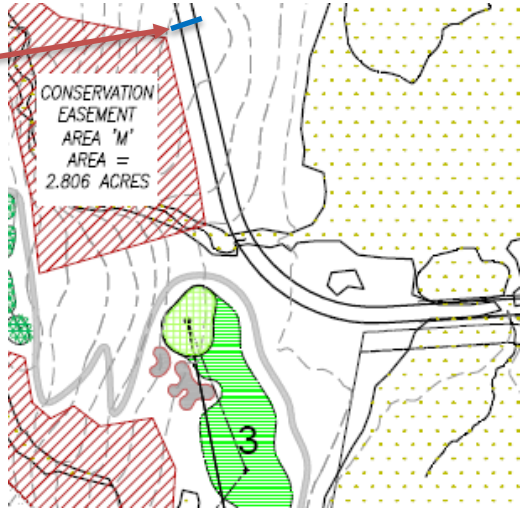

Photo 2: Stone check dam in path leading to water crossing has reached capacity and allowed sediment to flow around check dam.

Note: All photos were taken at time of inspection noted on page 1, red arrows denote photo location and blue lines denote item of concern.

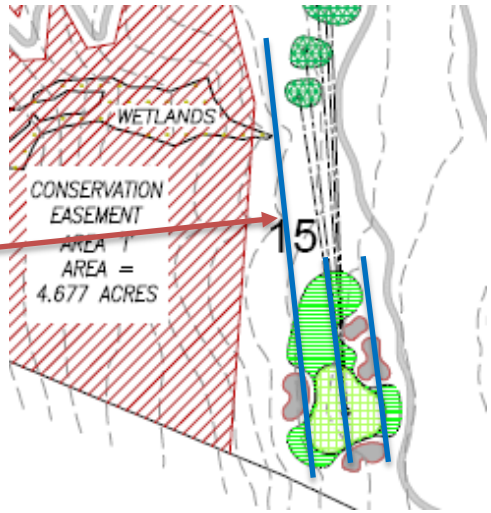

Photo 3: Some sediment fence repairs are needed for undermining at upper and lower sediment fence rows. Undermined areas should be reinforced with stone check dams. Intermediate sediment fence through sapling stand is beginning to fail and should be re-staked. Sediment should be removed from check dams.

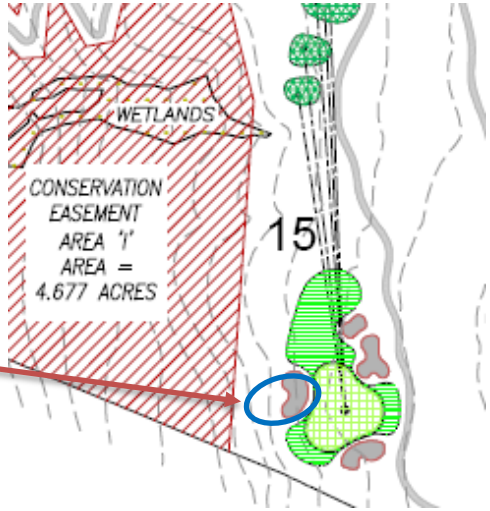

Photo 4: Staked hay bales and sediment fence in area shown have failed/deteriorated. There is erosion under the erosion control mat. Check dams should be added to replace deteriorated erosion control measures. Collected sediment should be removed.

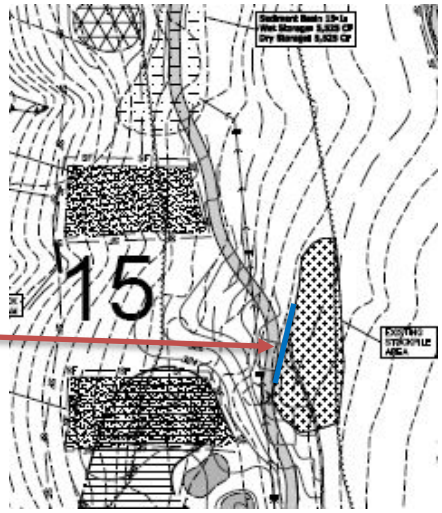

Photo 5: Stone check dams and staked hay bales are in good condition. Collected sediment should be removed and sediment fence repaired.

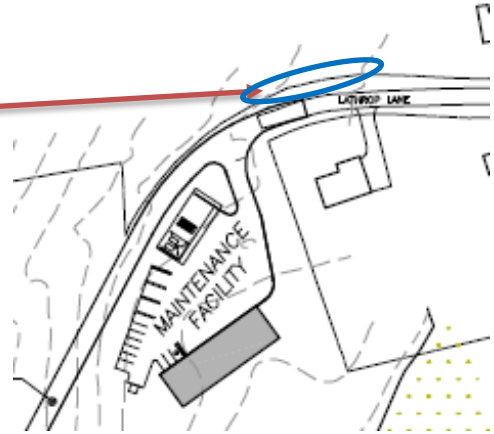

Photo 6: Recently constructed swale carrying flow to downgradient drainage structure. No signs of erosion in swale.

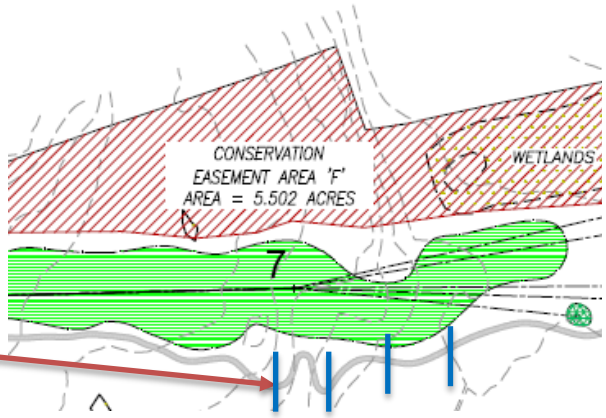

Photo 7: Stone check dams across the 7th hole fairway hillside remain in good condition. Sediment fence rows and hay bales have deteriorated. Since upgradient areas are vegetated the sediment fence could be replaced with additional stone check dams to prevent erosion from channelized flows.

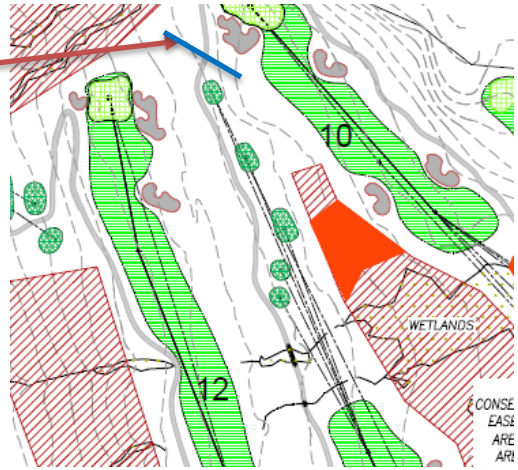

Photo 8: Sediment fence row across 11th hole tee box area has been knocked over by ATV traffic. Remove collected sediment from check dam.

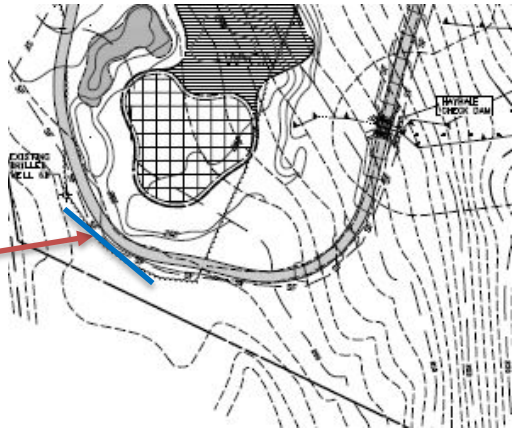

Photo 9: Sediment fence at tree line by 14th hole is allowing flow underneath in two location and should be repaired and reinforced with a stone check dam. An additional stone check dam could be added upgradient of protected area to disrupt channelized flows.

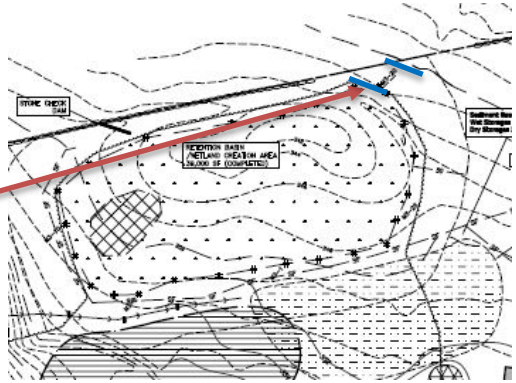

Photo 10: Flow from created wetlands outlet.