

General Information
(see reverse for instructions)

Name of Project	Franklin Hills Estates & Country Club	CGP Tracking No.	IR #20-10	Inspection Date	1/4/2021
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				
<p>Inspection Frequency (Note: you may be subject to different inspection frequencies in different areas of the site. Check all that apply.)</p> <p>Standard Frequency: <input type="checkbox"/> Weekly <input type="checkbox"/> within 24 hours of a 0.5" rain</p> <p>Increased Frequency: <input type="checkbox"/> 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)</p> <p>Reduced Frequency:</p> <ul style="list-style-type: none"> - <input checked="" type="checkbox"/> Once per month (for stabilized areas) - <input type="checkbox"/> 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) - <input type="checkbox"/> Once per month (for frozen conditions where earth-disturbing activities are being conducted) 					
<p>Was this inspection triggered by a 0.5" storm event? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, how did you determined whether a 0.5" storm event has occurred?</p> <p><input type="checkbox"/> Rain gauge on site <input checked="" type="checkbox"/> Weather station representative of site. Specify weather station source: Weather Underground – Franklin</p> <p>Total rainfall amount that triggered the inspection (in inches): 3.6" rainfall starting on Friday, December 25th at 1am ending at 3:30pm (14.5 hours) 0.4" rainfall starting on Thursday, December 31st at 4am ending at 10am (6 hours); 0.4" rainfall starting on Friday, January 1st at 9:30pm ending at 11am on January 2nd (13.5 hours).</p>					
<p>Unsafe Conditions for Inspection</p> <p>Did you determine that any portion of your site was unsafe for inspection per CGP Part 4.1.5? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If "yes", complete the following:</p> <ul style="list-style-type: none"> - 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 3 rd Hole Green)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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. 15 th Green Sediment Barriers	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Downgradient stone check dam remains in good condition. Sediment fence along the cart path and along the tree line have undermined in two locations each and should be repaired. Check dams should have collected sediment removed. Intermediate fence needs to be restaked. (Photo 3). Sediment fence rows and staked hay bales in south end have deteriorated and need to be replaced (Photo 4).
3. 15 th Fairway Sediment Barriers	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.
5. 7 th Hole Fairway Hillside	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Check dams across 7 th 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. 11 th Hole Tee Box Area	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Sediment fence row across path by 11 th 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.
7. 14 th Hole Green Sediment Barriers	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Sediment fence row at tree line is allowing flow underneath in one location 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
2.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
3.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
4.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
5.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
6.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
7.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
8.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> 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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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. 7 th Hole Fairway Hillside	Plans – Multiple rows of silt fence Existing – Series of stone check dams and silt fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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. 15 th 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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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 intermediate check dam should be removed. Sediment fence is undermined at the cart path and the treeline in two locations and should be stabilized. Intermediate sediment fence through the sapling stand should be restaked in failed areas.
4. 11 th Hole Tee Box Area	Plans – Silt fence and diversion channel Existing – Single row of silt fence across path and one stone check dam	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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: 1/5/2021

Printed Name and Affiliation:

David McKay, P.E. for Boundaries, LLC



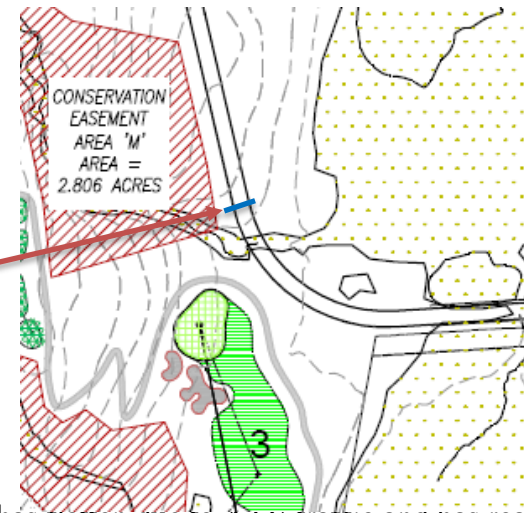


Photo 1: Stone check dam immediately upgradient of main entry water crossing has flattened due to A1V traffic and has reached capacity with collected sediment.

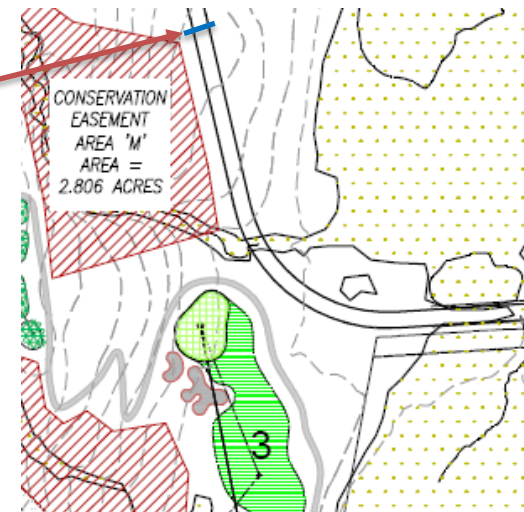


Photo 2: Stone check dam in path leading to water crossing has reached capacity and allowed sediment to flow around check dam.

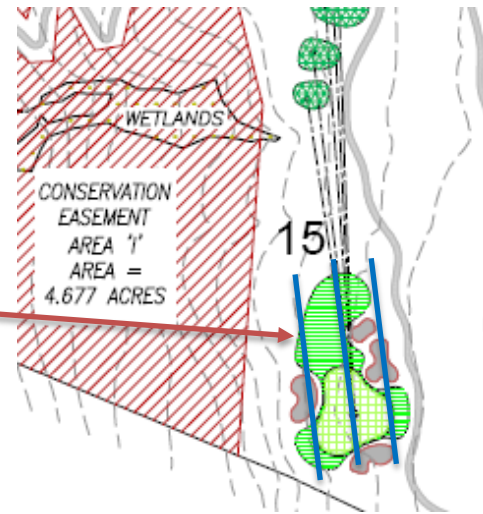


Photo 3: Some sediment fence repairs are needed for undermining at upper and lower sediment fence rows. Intermediate sediment fence through sapling stand is beginning to fail and should be restaked. Sediment should be removed from check dams.

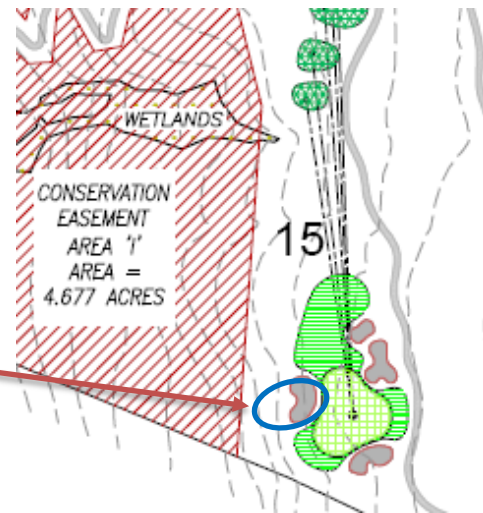


Photo 4: Staked hay bales and sediment fence in area shown have failed/deteriorated. There is erosion under the erosion control mat. Check dams should be added to replace deteriorated erosion control measures.

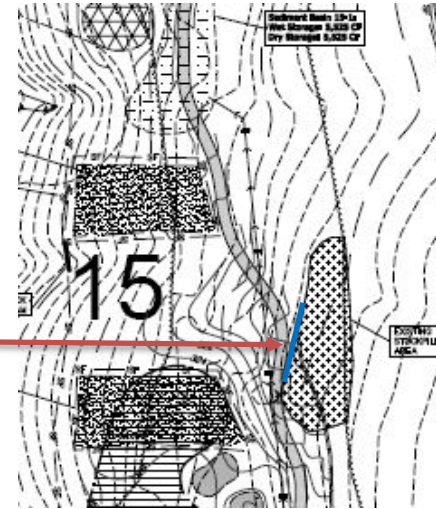


Photo 5: Stone check dams and staked hay bales are in good condition. Collected sediment should be removed and sediment fence repaired.

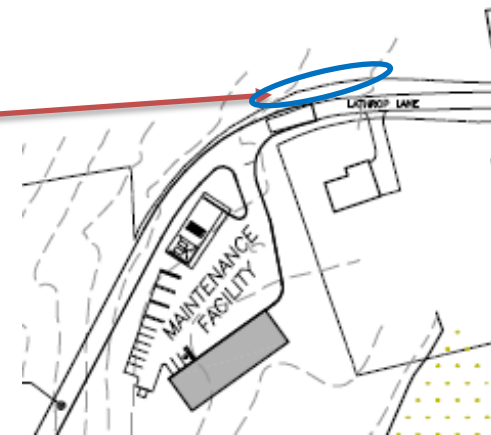


Photo 6: Recently constructed swale carrying flow to downgradient drainage structure. No signs of erosion in swale.

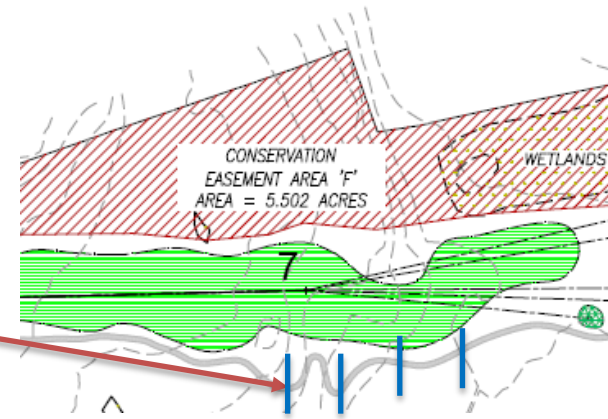


Photo 7: Stone check dams across the 7th hole fairway hillside remain in good condition. Sediment fence rows and hay bales have deteriorated. Since upgradient areas are vegetated the sediment fence could be replaced with additional stone check dams to prevent erosion from channelized flows..

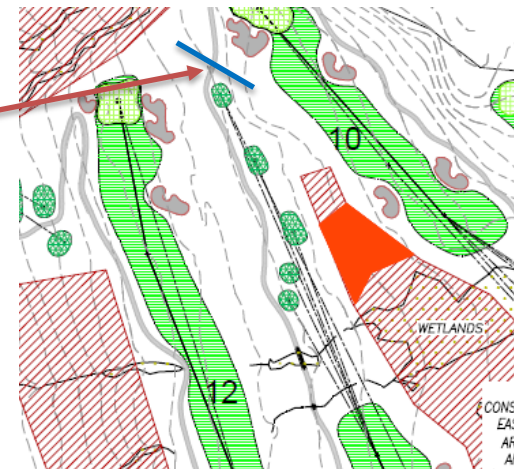


Photo 8: Sediment fence row across 11th hole tee box area has been knocked over by ATV traffic.

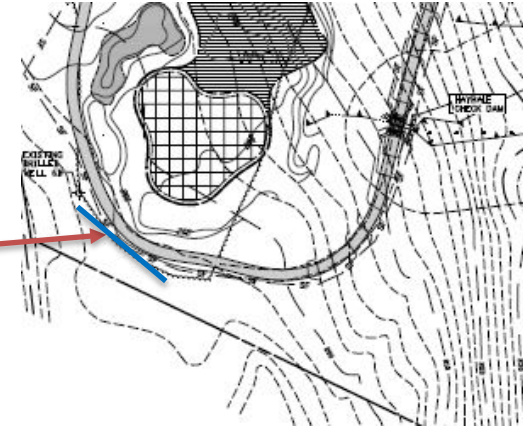


Photo 9: Sediment fence at tree line by 14th hole is allowing flow underneath in one location and should be repaired. An additional stone check dam could be added upgradient of protected area to disrupt channelized flows.

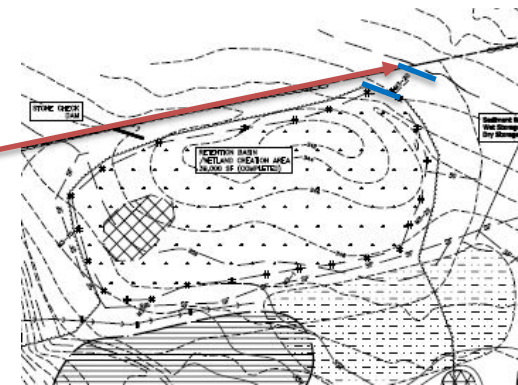


Photo 10: Flow from created wetlands outlet.