



September 17, 2021

Mayor and City Council  
City of Hilshire Village  
8301 Westview Drive  
Houston, Texas 77055

Re: Engineer's Report for September 21, 2021 Council Meeting  
HDR Job No. 10281855

Dear Mayor and Council Members:

HDR Engineering, Inc. (HDR) is pleased to submit this report on engineering related issues from August 14, 2021 to September 17, 2021.

1. On-Going Services (10281855):

a. 1303 Friarcreek Lane –

- On September 9, 2021, HDR coordinated with the City regarding a neighbor's concern that the temporary erosion control measures implemented by the property owner at 1303 Friarcreek Lane (Mr. Jorge Lefebvre) are not holding up and are starting to fail into the creek.
- Per the City's last correspondence with Mr. Lefebvre back in March 2021, they were still doing soil testing/investigation and plans were not quite ready to submit to the City but understood that they cannot do any work until the plans were approved.
- On September 10, 2021, the City reached out to Mr. Lefebvre regarding the temporary erosion control measure issues and was informed that the initial bid he received to perform the permanent erosion control improvements was extremely high (i.e. approximately \$360,000), and that he was still looking for other bids.
- The City noted to Mr. Lefebvre that if the permanent erosion control improvements project will not start in the near future, he will need to temporarily stabilize the area by sodding or hydro-mulching seeding to prevent/mitigate further erosion in the area.



b. 1330 Glourie Drive –

- On August 27, 2021, HDR coordinated with Mr. Scott Magnuson (Contractor – studioMET Architects) regarding the removal of the existing asphalt walkway adjacent to the driveway at 1330 Glourie Drive. The walkway was originally in place to allow Hilshire Village residents to access what was the Church property for recreation use or walk to the Church; however, since the four (4) northeastern lots along Glourie Drive are now privately owned, there is no longer a use for the walkway. The Contractor will be allowed to remove the walkway as long as the ditch is properly restored after removal of the walkway.
- On September 14, 2021, HDR also coordinated with Mr. Magnuson regarding the as-built impervious calculation requirements.

c. 1334 Glourie Drive –

- On August 19, 2021, HDR reviewed and returned to the City the Drainage Plan Amendment for 1334 Glourie Drive. The drainage plan was modified to redirect drainage from the area inlet adjacent to the proposed pool from the north drain line to the south drain line due to a conflict with the existing grade beams that would not allow for the line to be connected as originally shown in the approved drainage plan. The drainage plan amendment was approved with exceptions noted.

d. 1123 Guinea Drive –

- On September 3, 2021, HDR reviewed and returned to the City the Drainage Plan Amendment for 1123 Guinea Drive. The amended drainage plan included a reduction in impervious coverage on the lot due to the elimination of the proposed pool construction previously shown in the approved drainage plan. The drainage plan amendment was approved with exceptions noted.

e. 1 Hickory Shadows Drive –

- On August 19, 2021, HDR performed a drainage cover inspection of the secondary drainage improvements at 1 Hickory Shadows Drive. No issues were noted, therefore it passed inspection.

f. 7907 Hilshire Green Drive –

- On August 16, 2021, HDR reviewed and returned to the City the Drainage Plans Resubmittal for 7907 Hilshire Green Drive. All comments/corrections requested by HDR in the July 14, 2021 review were addressed. The drainage plan resubmittal was approved with exceptions noted.

g. 8201 Mallie Court –

- On August 16, 2021, HDR reviewed and returned to the City and Contractor (Erik Silvey – Erosion Control Systems, Inc.) the Erosion Control Plans for 8201 Mallie Court. The erosion control plans were incomplete (i.e. missing floodplain boundaries in topographic survey, missing elevations, material/product information for proposed Bag Wall System, etc.), therefore it must be revised and resubmitted.
- On September 3, 2021, HDR reviewed and returned to the City and Contractor the Erosion Control Plans Resubmittal for 8201 Mallie Court. The erosion control plans resubmittal required additional corrections (i.e. missing proposed elevations, proposed silt fence encroaching into adjacent property owner, verification of cut/fill calculations, overlapping text, etc.), therefore it must be revised and resubmitted.
- On September 13, 2021, HDR reviewed and returned to the City the Erosion Control Plans Second Resubmittal for 8201 Mallie Court. The erosion control plans were approved with exceptions noted.

h. 1306 Pine Chase Drive –

- On August 16, 2021, HDR reviewed the Parking Pad Plan and Details for 1306 Pine Chase Drive prepared by Mr. Robert Taft Deden, P.E. The plan and details addressed the retaining wall design requirements for the parking pad to be less than 2-ft off from the ditch top of bank.
- On August 17, 2021, the City issued the parking pad permit to Mr. Greg Truax (Property Owner).
- HDR has been coordinating with the City and Mr. Truax on the follow up inspections and parking pad installation requirements.
- On August 18, 2021, HDR performed a site visit to determine the progress of the parking pad work which included the clearing of the retaining wall and parking pad area and installation of formwork for the wall base, vertical section and curbed areas, and a portion of the steel reinforcement.

- On August 30, 2021, HDR performed a Parking Pad Pre-Fill Inspection. No issues were noted, therefore it passed inspection. Mr. Truax was reminded to properly cleanup the project area once the concrete pour is completed.

i. 14 Pine Creek Lane –

- On August 27, 2021, HDR received the Drainage Plans for 14 Pine Creek Lane; however, upon cursory review of these plans they were found to be incomplete. HDR noted that there is no specific drainage plan prepared by a Professional Engineer licensed in the State of Texas, nor impervious coverage calculations. The City will follow up with the Contractor to request this information.

j. Wirt Road Safety Project –

- On August 19, 2021, the City and HDR attended a virtual MS-Team Meeting with the City of Houston (COH) to discuss the Wirt Road Safety Project (i.e. sidewalk, addition of traffic light/signal, and expansion of existing left turn holding lanes), its feasibility and potential partnership opportunities with COH.
- On September 8, 2021, HDR attended a virtual MS-Team Pre-Kickoff Meeting with COH Traffic & Drainage Operations, Planning, and Inter-Agency Coordination Groups to discuss and coordinate the Wirt Road Safety Project.
- On September 13, 2021, the City, Harris County and HDR attended a virtual MS-Team Kickoff Meeting with COH Council Member Amy Peck, COH Traffic & Drainage Operations, Planning, and Inter-Agency Coordination Groups to discuss and coordinate the Wirt Road Safety Project. The COH will coordinate with HDR and schedule a Design Coordination Meeting in the near future to discuss the proposed project improvement details, requirements and potential restrictions.

k. Water Meter Vault Upgrades –

- The City has received funds from the American Rescue Plan Act of 2021 (ARPA) and wishes to use some of these funds to upgrade/change the Water Meters at Pine Chase Grove and Hickory Shadows, including Meter Vaults (as necessary) to Electromagnetic Flow Meters similar to the one installed at City Hall. The electromagnetic flow meters, when compared to the existing combination fire/domestic meter assemblies, reduce the head loss across the meter vault assembly, resulting in less reduction of water pressure.

- In order to make these water meter upgrades, HDR will coordinate with Ms. Sherri Winslow, COH Director of Customer Account Services to schedule a meeting to discuss these upgrades and the COH's requirements.

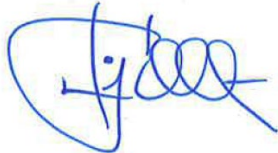
1. Lift Station Generator –

- Electrical power from CenterPoint Energy to the lift station has been interrupted since Tropical Storm Nicholas earlier this week. As a result of this power outage, InfraMark (City's Operation & Maintenance Company) is currently pumping out the sewage from the lift station wet well to prevent any sanitary sewer overflows or excursions.
- HDR is coordinating with the City to provide information on electrical loads for the lift station to be used in designing/sizing the emergency natural gas generator for the lift station.
- The City will request and secure specs and quotes for an emergency natural gas generator that will meet the lift station electrical requirements.

If there are any questions concerning the information contained in this report, we will be glad to discuss them with you.

Sincerely,

HDR Engineering, Inc.



Efrain A. Him, P.E.  
Project Manager

cc: Files (10281855)