VIRGIN ISLANDS WATER & POWER AUTHORITY

PR-10- 25

Mahogany Estate Rehabilitation Project RFP

Date: 02/25/25

ADDENDUM II

Questions and Responses

I.

1. **Please confirm that ductile iron fittings with mechanical joint connections are to be used for all fittings on the 6" main line. If this is not the case, please clarify where ductile iron fittings are to be used versus PVC fittings.**

   Yes, use all ductile iron fittings for 6" main line. Please see detail specs # 6 and 7 on pg DO2 as well as Details spec #6 Page DO6

2. **Please confirm that all work impacting asphalt roadways must be restored 8 feet wide for the entire length of the excavation, including service/supply lines that are within the roadway.**

   Yes, all work impacting asphalt roadways must be restored 8 feet wide for the entire length of the excavation, including service/supply lines that are within the roadway.

3. **There are multiple instances of markings noting "2X" , "3X" , "4X" , "6X" , and "12X". For reference, please refer to drawing number P03, which shows a 1" supply line running towards the property marked "110." This supply line is an example where the "2X" marking shows up. Please confirm that for all of these markings, the supply line they reference is a single run of pipe, with the amount of water meters and valves for that line equal to the marking number.**

   Yes these number indicate the amount of meters being supplied by either 1" or 2' service connections.

4. **Please confirm that every service line has a valve for every meter on that service line.**

   Yes, every service line has a valve (curb stop) for every service connections for plot.

5. **Please confirm that a 1" supply line can service up to 2 meter and valve branches.**

   1” supply line can service up to 4 meters.

6. **Please confirm that a 2" supply line can service up to 4 meter and valve branches.**

   2” supply line can service up to 8 meters.

7. **Please refer to drawing P04 for the supply line servicing building marked "170&185." This supply line is called out as a 1" line but has the markings "4X". Please confirm this diameter supply line is insufficient for the number of services on the line, and please provide an updated larger size supply line for this location.**

   Yes the diameter is 1” and please that 1” service line can supply up to 4 meters.

8. **Please refer to drawing P05 for the supply line servicing building marked "126." This supply line is called out as a 1" line but has the markings "3X". Please confirm this diameter supply line is insufficient for the number of services on the line, and please provide an updated larger size supply line for this location.**

   Yes the diameter is 1” for 3x the number of meters but 1” service line can supply up to 4 meters.

9. **Please refer to drawing P05 for the supply lines servicing buildings marked "142" and "138/139." These supply lines are called out as 2" and 1" lines respectively but have the markings "6X" and "12X". Please confirm those diameter supply lines are insufficient for the number of services on the line, and please provide an updated larger size supply line for these locations.**

   Yes the orange lines are 2” service supply and green are 1” service supply. But please noted that 1” can service up to 4 meters and 2” can supply up to 8 meters with the dependence of pressure.

10. **Please refer to drawing P06 for the supply line servicing the building marked "140." The existing water line has a marking "X6," but the proposed supply line is for a single service. Please confirm this supply line shall service 6 meters, and that a 1" supply line is insufficient and shall be upsized appropriately.**

    Yes the orange lines are 2” service supply and green are 1” service supply. But please noted that 1” can service up to 4 meters and 2” can supply up to 8 meters with the dependence of pressure.

11. **Common industry practice is to require either restrainers for joints (MJ typ.) or thrust blocks at bends/fittings, not both. Please confirm that if MJ restraints are used, thrust blocks are no longer required.**

    Yes commonly, industry practice is to require bell restrainers for joints. Trust blocks are used for bends, and tees.

12. **Please refer to detail 3 on drawing D06. Please confirm whether the riser pipe attached to the hydrant is ductile iron or PVC.**

    The riser is pvc but the cover will be ductile iron.

13. **Please confirm WAPA is providing the water meters, meter box, curb stop, and check valve assembly for the entire project at no cost to the contractor.**

    No the contractor will provide meter box, curb stop, check valve and brass nipple after the meter. Wapa will supply meter for new customer installation. Please refer to Details #5 DO5.

14. **Please refer to detail 3 on drawing D07 which shows the typical detail for a sampling station. Please also refer to drawings P03-P07, which do not include a location for this sampling station. Please confirm that no sampling station shall be provided for this project. If this is not the case, please clarify where the sampling station shall be located.**

    The replacement of a sample station is not on the drawings, but we would like to replace one sample station which is coming off of existing pump station. Please see PO7 of connect to existing water main stub.

15. **Please refer to detail 4 on drawing D07 which shows the typical detail for an automatic flushout. Please also refer to drawings P03-P07, which do not include a location for this automatic flushout. Please confirm that no automatic flushout shall be provided for this project. If this is not the case, please clarify where the automatic flushout shall be located.**

    No automatic flushout shall be needed. It could be adding to a hydrant.

16. **Please refer to detail 1 on drawing D09 which shows a detail for a master vault. Please also refer to drawings P03-P07, which do not include a location for this master vault. Please confirm that no work shall be performed in this master vault for this project. If this is not the case, please clarify where the master vault is located and what work needs to be performed there.**

    No master vaults are needed for this project.

17. **Please clarify if the furnishings of the air/vacuum release valve, manhole, frame & cover are the responsibility of WAPA or the contractor.**

    The furnishings of the air/vacuum release valve, manhole, frame & cover are the responsibility of the contractor.

II.

1. **Please refer to the technical specifications provided in addendum 1, section 02315-3 (page 48 of 130) Trenching 3.4 E. Which states the width of trenches shall be a maximum of 1.5 feet wider than the outside diameter of the pipe or structure. Please also refer to detail 1 on drawing D02 which shows the trench width to be 2 feet plus the pipe outer diameter. Please clarify which dimension is correct.**

   Please use specs on Details DO2 for 2 feet plus outer diameter of pipe. To give contractor space to work and properly installed pipe and bell restrainers.

2. **Please refer to the technical specifications provided in addendum 1, section 02315-4 (page 49 of 130) Backfilling 3.6 B. Which states the reuse of excavated material is not permitted. Only Crusher run (local term) also known as crushed stone or crushed aggregate will be used as the backfill material. Please also refer to the Typical Construction Sequence provided on drawing P00, where step 13 states backfill and compact remaining trench in 6" lifts using material from the original excavation. Please confirm that excavated material can be reused as backfill material.**

   We do not want to reuse excavated material for backfill material. Sand should be use for pipe bedding and fill around the pipe. Please see DO2 detail #4.

3. **Please refer to the technical specifications provided in addendum 1, section 02550-2 (page 68 of 130) Sidewalks 4.2 B. Which states the base course of sidewalks must be compacted to at least 6 inches in thickness. Please also refer to detail 1 on drawing D01 which shows the depth of base course being 2 inches. Please confirm 2 inches is sufficient depth for the base course under sidewalks for this contract.**

   Yes 2 inches is sufficient depth for the base course sidewalks for this contract.

4. **Please refer to the technical specifications provided in addendum 1, section 02713-3 (page 92 of 130) Check Valve, Meter and Meter Box 2.4 D. which states "The accommodation of meter sizes 2” and greater and meter configurations in combination with air/vacuum release valves may not be possible within the dimensions of the standard sized meter boxes specified above. In such circumstances, the Contractor will be required to construct an in-situ pit approximately 24 inches by 36 inches to the depth of the installed water meter usually 18 inches deep.. The side walls of the pit shall be constructed with brick/mortar and the base compacted with granular material. A rectangular meter pit cover 28 inches by 39 ½ inches comprising a frame, ring and locking lid will set over the pit and set to grade using concrete. The meter pit cover shall be the RM-1 Ford Meter Pit Cover or engineer approved equal." Please provide an estimated quantity of in-situ meter pits for bidding purposes.**

   The quantity of air release that should be installed is 3.

5. **Please refer to the technical specifications provided in addendum 1, section 02740-5 (page 100 of 130) Asphalt Field Quality Control 3.4 B. which state to match existing asphalt thickness, but not less than 4" for road ways. Please also refer to detail 3 on drawing D01 which shows a 2" minimum asphalt surface for composite roadways. Please confirm this 2-inch dimension is sufficient for this project.**

   Provide 8” of reinforcement concrete and 2” of asphalt surface. Please see page DO1 detail #3.

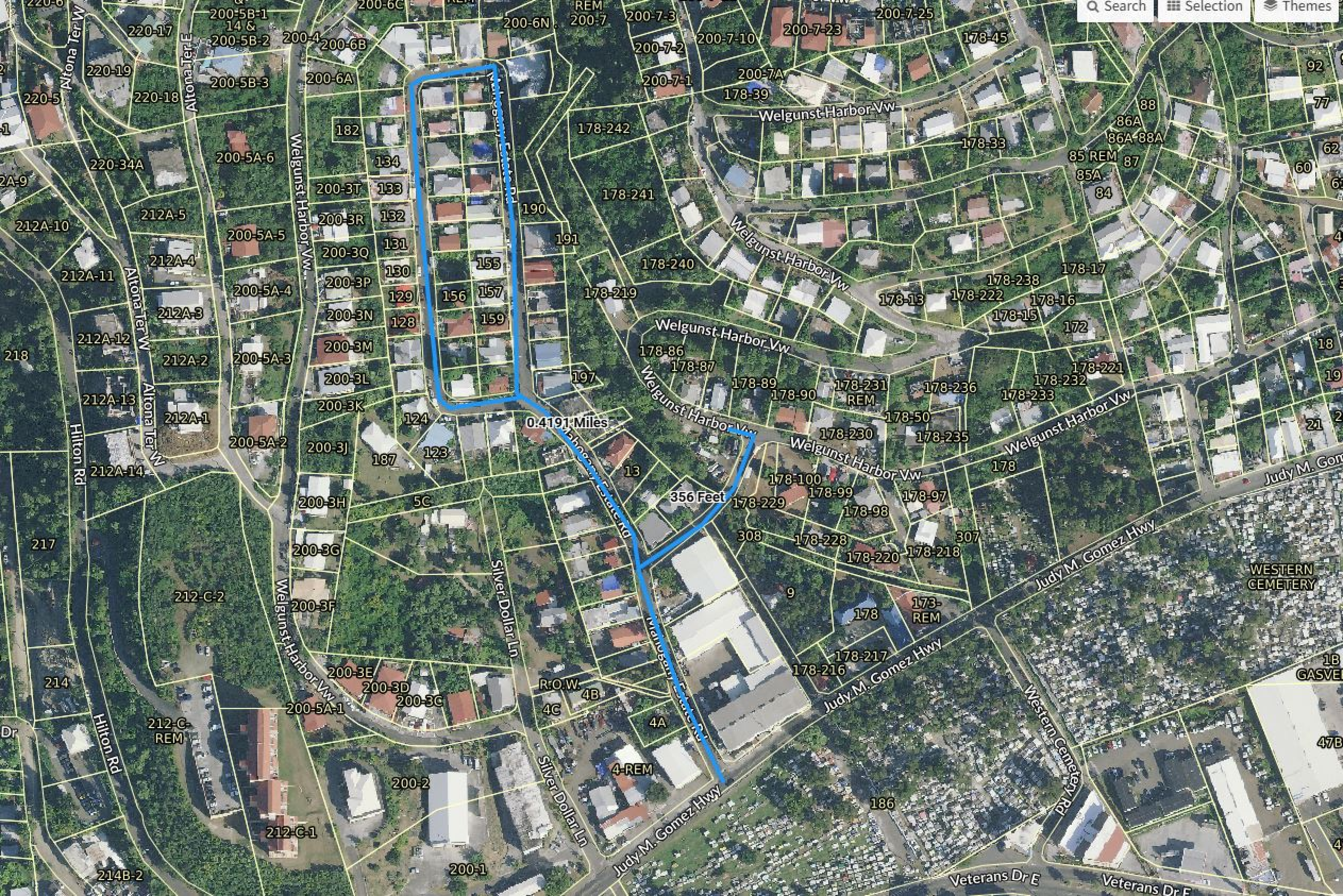
6. **Please refer to the technical specifications provided in addendum 1, section 02750-6 (page 106 of 130) Concrete Schedules 3.14 B. Which state that concrete pavement shall be 4,000 psi, 28-day concrete. Please refer to details 2 and 3 on drawing D01 which shows full-depth concrete roadway as well as composite roadway using 3,000 psi concrete. Please confirm which strength psi is acceptable for this project.**

   4000 psi is the strength that is acceptable for this project.

III.

1. **Please refer to RFP Final Work Scope 3. Insertion Valves (page 29 of 38) which specifies supply and install of 5 new 6" insertion valves. Please also refer in the same document to 7.0 Bid Schedule 2.1 (page 37 of 38) which lists those same 5 valves as 6-inch AVK gate valves. Please clarify which type of 6-inch valve is required to be furnished and installed.**
   Yes we would like 6-inch 5 AVK gate valves to be furnished and installed.

2. **Please refer to RFP Final Work Scope 4. Service Connections which state "not all service connections are shown on the plans." Please either provide drawings that show all service connections or update quantity on bid schedule to reflect what is shown on the drawings.**
   Please see attached construction quantity estimate sheet for quantities of components.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