




MERIDIAN SERVICE METROPOLITAN DISTRICT
Water, Wastewater, Parks and Recreation
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Memorandum

To:  Thomas A. Kerby, PE, District Engineer, Meridian Service Metropolitan District
From: Brad Simon, MMI Water Engineers Sterling Ranch
Date: September 6, 2019
Subject: Sterling Ranch Metropolitan District Lift Station and Forcemain Design

On behalf of Meridian Service Metropolitan District ("MSMD") I am providing for you the attached Memorandum from Ryan Mangino at JDS Hydro, MSMD's review consultant, regarding remaining items for MSMD's approval of the Sterling Ranch Lift Station and Force Main Plans. As far as the Lift Station and Force Main plan review the only outstanding item that has to be addressed prior to MSMD's approval of the plans is for Sterling Ranch to submit the plans for the composite sampler as spelled out by Ryan. The SCADA system approval will be required prior to MSMD approving Sterling Ranch's connection to its system.

To reiterate and expand on the comments in the Memorandum regarding the remaining requirements for MSMD approval, please note that under the Sterling Ranch/MSMD IGA, MSMD will not be able to approve connection to its system until the following items are fully addressed to MSMD's satisfaction:

1. Plans are submitted and approved for the Composite Sampler, and such Sampler is completed and approved.
2. The Sterling Ranch SCADA system is determined to meet all applicable requirements and is able to adequately communicate with MSMD's SCADA system.
3. Sterling Ranch obtains from MSMD, in accordance with the IGA, approval of the proposed Connection Point to the Meridian system. If the Connection Point is to be other than as shown on Exhibit B to the IGA (i.e. south of Woodmen Road), Sterling Ranch must, as stated in the IGA and in addition to the other approvals addressed above and in the attached Memorandum, obtain MSMD's approval of the proposed new Connection Point prior to any such connection. If, as shown on the Sterling Ranch drawings, the proposed Connection Point is to the MSMD 12" line located in Meridian Road and north of Woodmen Road, Sterling Ranch will need to obtain MSMD's approval of the use of the 12" line; there will need to be an amendment to the IGA reflecting the new Connection Points and any and all details related thereto, including but not limited

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to an agreement with MSMD on MSMD obtaining the necessary consent of/agreement with Woodmen Hills Metropolitan District ("WHMD") for the connection to the WHMD 10" line on the north east corner of Meridian road and Woodmen Road. Such consent/agreement of WHMD would be a contingency of MSMD's approval of the proposed new Connection Point.

If you have any questions, please let me know.

Memorandum

To: Sterling Ranch MD & MMI Water Engineers
From: Ryan Mangino on behalf of Meridian Service Metropolitan District
Date: September 4, 2019
Subject: Remaining Approval Items for Lift Station and Force Main Design

As a subsequent response to the memorandum dated August 16, 2019, I have listed the remaining items that need to be addressed for approval of the Sterling Ranch MD Lift Station and Force Main plans. The items below include matters related to the design plans as well as the IGA with Meridian Service Metropolitan District (MSMD).

Force Main (Cleanouts)

Cleanouts added to the plans from MMI Water Engineers dated August 28, 2019 have addressed the comments related to the force main.

Composite Sampler

As stated in the previous memo from JDS-Hydro, a permanent installation for a composite sampler that is environmentally controlled (i.e. a vault with power, heat, ventilation, etc. housing the sampler) is required. This has not been submitted as of yet.

Comments Regarding IGA

A memo from MMI dated August 29, 2019 was provided that contained a control narrative related to SCADA. Submittal drawings of some of the control equipment were also provided in that memo. However, the control plan/narrative did not address means of communication with MSMD's SCADA system.

This can be addressed separately from the plans and specifications approval as it relates more to the IGA between MSMD and SRMD. Subsequent and revised control plans and equipment must still be reviewed prior to connecting to MSMD's sewer system, but it is not necessary for approval of the Lift Station and Force Main drawings at this point.

Additional comments:

1. MSMD must be allowed to inspect anything already in place, as well as inspect future work and testing.
2. Please provide a hydraulic profile of the revised force main design (will not delay approval, but must be provided prior to connecting to MSMD's sewer system).