

#### Final Plat

1. Remove the administrative plat certificate and use the Planning & Zoning and City Council certificate that is provided on the plat.

**REMOVED**

2. Notate the lift station easement from Section 1 & 2 on the plat.

**ADDED**

3. Verify the plat note No. 10 shown on the plat and update the plat notes accordingly.

**REVISED**

4. Verify the distance of the bearing noted on the plat drawing and in the metes and bounds description (paragraph 3).

**REVISED**

5. Verify and show the acreage for the Existing Reserve "A" north of the proposed subdivision. Notate this area separate of the existing 38.00 acres (AISD).

**REVISED**

6. Verify if proposed Reserve "A" will require additional notes or requirements for connecting to existing Reserve "A" in Sections 1 & 2.

**REVISED**

7. Verify "Owner" to be Property Owner's Association and update Note 12.

**OWNER IS CORRECT**

8. Use Surveyor's certificate language taken from Angleton LDC Sec. 23-114 A.1

**REVISED**

9. Update drainage certificate used to Drainage Easements Maintained by Property Owner's Association.

**REVISED**

#### Construction Plans

##### General:

1. Provide a copy of the Geotechnical Report to verify pavement and detention pond recommendations are consistent with proposed design.

**Owner has employed PSI for geotechnical testing. Report is still pending.**

2. Verification to be provided for existing lift station capacity for this section and to notate any modifications required for pump operation at lift station.

**SEE PAGE 20 AND 21 OF THE HERITAGE PART SECTION 1 AS BUILT. THE LIFTSTATION USED TWO CP-3102 FLYGT PUMPS. THE LIFT STATION CURRENTLY OPERATES ON 3 PHASE POWER, AND PUMPS SEWAGE TO THE MANHOLE LOCATED AT HENDERSON AND DOWLING VIA A 4" FORCE MAIN.**

**THE PUMPS OPERATE ON LEAD LAG AND UNDER A TOTAL HEAD PRESSURE OF 15.0 FT. THE PUMP IS RATED FOR A TOTAL CAPACITY OF 350 GPM, WHICH EXCEEDS THE PEAK DEMAND FROM SECTION 1-3 (90 HOMES – Q<sub>p</sub>= 74 GPM).**

Deprecated: Array and string offset access syntax with curly braces is deprecated in /nas/content/live/sthinc/FrictionHeadForm/includes/FrictionHeadCalculation-lib.php on line 6

1. Static Head  Feet

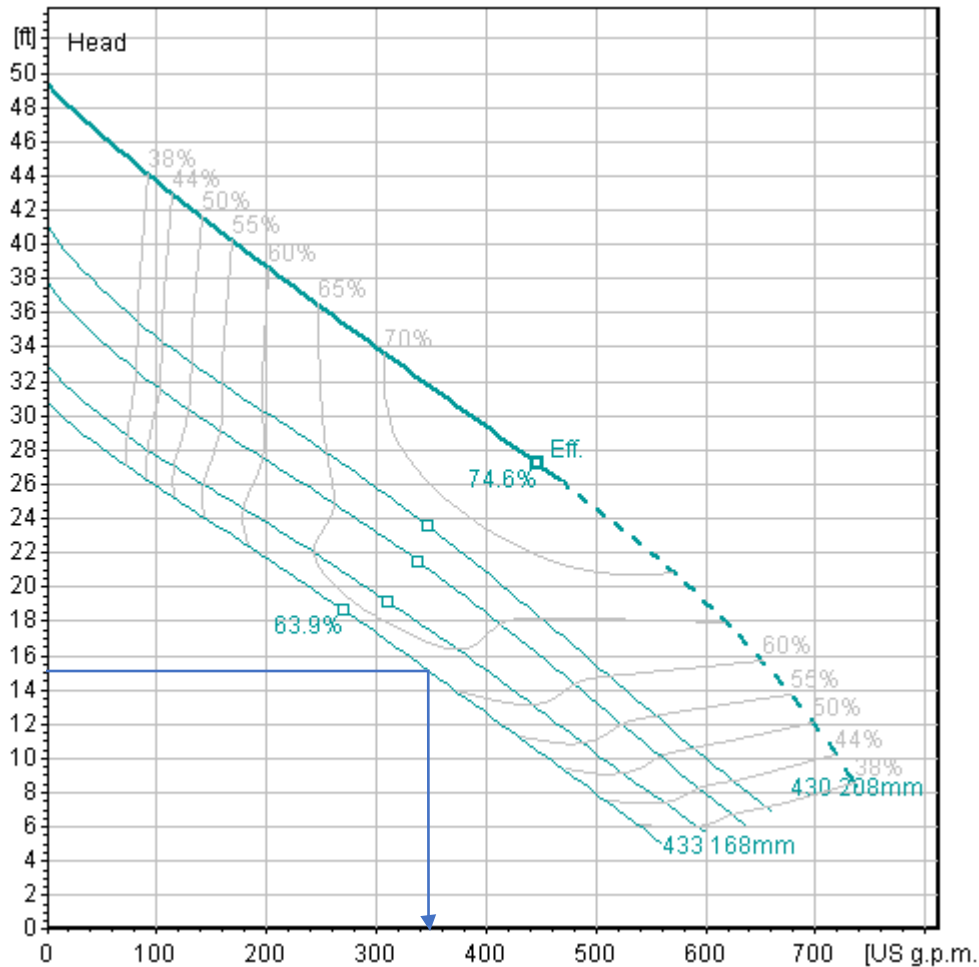
2. Friction Head:

Calculate Friction Head				
a. Discharge Pipe Length <input type="text" value="3570"/> Feet				
b. Friction Factors of Fitting and Valves *See Table A				
Fitting	Size	Equivalent Length	Qty	Total
90's	<input type="text" value="4"/>	<input type="text" value="14"/>	<input type="text" value="3"/>	<input type="text" value="42"/>
45's	<input type="text" value="4"/>	<input type="text" value="8"/>	<input type="text" value="6"/>	<input type="text" value="48"/>
Tees	<input type="text" value="4"/>	<input type="text" value="22"/>	<input type="text" value="1"/>	<input type="text" value="22"/>
Check Valve	<input type="text" value="4"/>	<input type="text" value="33"/>	<input type="text" value="2"/>	<input type="text" value="66"/>
Gate Valve	<input type="text" value="4"/>	<input type="text" value="5"/>	<input type="text" value="2"/>	<input type="text" value="10"/>
Union	<input type="text" value="4"/>	<input type="text" value="23"/>	<input type="text" value="9"/>	<input type="text" value="207"/>
Total Equivalent Length: (Feet)				<input type="text" value="395"/>
Pipe Length	<input type="text" value="3570"/>	Ft. + Equivalent Length	<input type="text" value="395"/>	Ft./100= <input type="text" value="39.65"/> 100-foot Increments
c. Friction Head per 100'		<input type="text" value="39.65"/>	Pipe at GPM (from Table B)	<input type="text" value="7.8"/> Feet
Friction Head [Feet]			<input type="text" value="3.0927"/>	

3. Static Head  ft. + Friction Head  ft. = Total Dynamic Head

Enter in TDH box on Design Guide

**C 3102 MT 3 phase 4 poles 50hz US**



3. Coordination shall be made to verify detention pond capacity of existing sections and to provide any necessary maintenance to allow for proposed Section 3.

**CALCULATIONS FOR TOTAL DETENTION REQUIRED FOR SECTIONS 1-3 ADD TO SHEET 8. TOTAL DETENTION REQUIRED IS 16.066 AC-FT. 17.37 AC-FT IS PROVIDED**

**Plan & Profile – Heritage Park Drive (Sheet 4)**

1. Notate proposed tie-in and to verify manhole condition. Coordination shall be made with Public Works prior to tie-in for any necessary operation of the lift station.

**ADDED**

2. Provide 4-ft minimum cover for proposed water line.

**CORRECTED**

**Plan & Profile – Elm Street (Sheet 5)**

1. Notate portion of sidewalk to be installed by Developer on the plan.

**ADDED**

2. Proposed layout for Heritage Park Drive is not per preliminary plat information submitted. Verify design for end of street and verify temporary turnaround requirements with Fire Department for end of Heritage Park Drive.

**RESERVE LOT PLACED NEXT TO LOT 30. LAND USE OF RESERVE LOT HAS NOT BEEN DETERMINED. OWNER MAY REPLAT THE RESERVE AS A LOT OR AS A RIGHT OF WAY. WATER METER AND SANITARY LEAD ADDED TO RESERVE LOT.**

4. Verify relocation of curb ramps to corners (example shown on plans).

**RAMPS MOVED**

5. Verify placement of mailbox pad to relocate to southeast corner or across Heritage Park Dr.

**MAILBOX MOVED**

6. Verify driveway access for Lot 30. Existing tree, proposed curb ramp, and proposed inlet appear to obstruct placement.

**DRIVEWAY SHOWN ON SHEET FOR PLANNING. SANITARY LEAD MOVED.**

7. Verify proposed slope (proposed 0.00%) at intersection and update plans.

**SLOPE REVISED**

8. Provide 4-ft minimum cover for proposed water line.

**REVISED**

Plan & Profile – Elm Street (Sheet 6)

1. Provide 4-ft minimum cover for proposed water line.

**REVISED**

Utility Layout (Sheet 7)

1. Include fire hydrant near intersection where shown on the review drawings.

**ADDED TO SHEET 7 AND 4**

Detention Pond Layout and Calculations (Sheet 8)

1. Provide cross sections to verify existing storage within the detention pond.

**CROSS SECTION A-A EXPANDED**

Lot Grading Plan (Sheet 10)

1. Verify proposed grading outside of property will be allowed by adjacent property owner.

**LETTER PROVIDED BY ANGLETON ISD TO ALLOW GRADING OFF THE PROPERTY.**

Pavement Marking, Mailboxes, Street Signs, and Roadway Lighting Layout (Sheet 16)

1. Verify where Type III Barricade will be used and update plan.

**CALLOUT ADDED**

2. Verify stop bar placement shown. Placement should be perpendicular to street.

**STOP BAR RELOCATED**

Concrete Pavement Construction Details I (SL-21) (Sheet 27)

1. For “SL-ST-02 Single Roadway Section”, Geotechnical recommendations and report reference to be noted with this detail to verify minimum standards are met.

**REPORT IS PENDING.**

Residential Curb Construction Details I (SL-23) (Sheet 29)

1. For “SL-ST-19 Typical Single Roadway Section For Concrete Pavement With 4”x12” Curb”, Geotechnical recommendations and report reference to be noted with this detail to verify minimum standards are met.

**REPORT IS PENDING**

**ADDITION COMMENTS**

**ADD LETTER WILL BE RELEASED ON 4/26/22.**