



2155 BEERY ROAD, HARRISONBURG, VA 22801 OFFICE (540) 434-9959 • FAX (540) 434-9769

Harrisonburg Public Utilities Fairview Pump Station – Plan Description July 1, 2021

TM#: 18 G 90

The property at 1181 Harrison St comprises of two utility structures, one of which is a sanitary sewer lift station owned and maintained by Harrisonburg Public Utilities. The existing pump station has functioned well beyond its useful life. Structural failures have occurred within the wet and dry well division wall. Motors and pumps are aging as well and considered antiquated as replacement parts are unavailable.

Design of a new Pump Station to replace the existing Fairview Pump Station includes the realignment and retrofitting of all associated appurtenances of the sewer pump station. The proposed design will separate and relocate the pumps to an elevated pump house above the flood plain. Existing wet and dry wells will be replaced in their current location.

Working within the City's existing property boundaries conflicts with setback and parking lot landscaping requirements as the new design has a larger footprint to meet current and future needs of the pump station. Challenges with the existing structures, separations, and congested utilities have caused the new structure design to encroach into minimum zoning setback requirements and makes it not possible to meet parking lot landscaping requirements. Therefore, we are requesting approval to deviate from the minimum front, side, and rear yard setback requirements and to deviate from parking lot landscaping requirements in order to proceed with the necessary improvements.

Sincerely,

Zachary A. Hinch

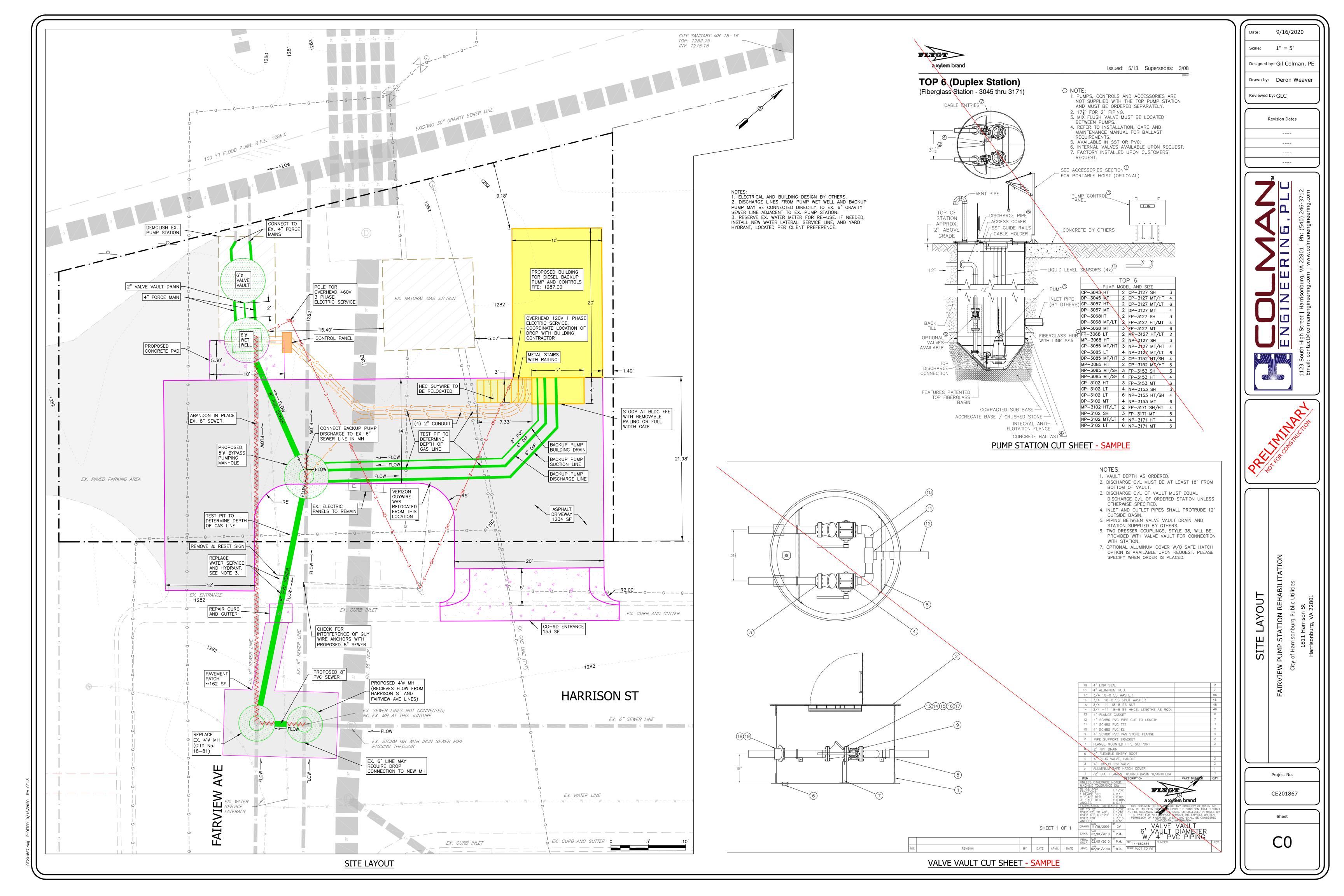
Engineer

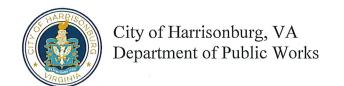
Zachary.Hinch@HarrisonburgVA.gov

Department of Public Utilities 2155 Beery Road Harrisonburg, VA 22801



www.HarrisonburgVA.gov





Determination of Need for a Traffic Impact Analysis (TIA)

www.harrisonburgva.gov/traffic-impact-analysis

For inclusion in an application for Planning Commission review (for Special Use Permit, Rezoning or Preliminary Plat), this form must be submitted to the Public Works Department at least 5 business days prior to the Planning Commission application deadline.

Contact Informatio	n						
Consultant Name: Telephone: E-mail:							
Owner Name: Telephone: E-mail:	City of Harrisonburg (c/o Dept. of Public Utilities) 540-434-9959						
Project Information	n						
Project Name:	Fairview Pump Station Rehabilitation						
Project Address: TM #:	1177 Harrison St 18 G 90						
Existing Land Use(s):	Pump station and natural gas station						
Proposed Land Use(s): (if applicable)	Relocated pump station and existing natural gas station						
Submission Type:	Comprehensive Special Use Permit Rezoning Preliminary Plat						
Project Description: (Include site plan or preliminary sketch and additional details on land use, acreage, access to site, etc)	Replacing a small pump station: relocating the main pump structure and reusing the existing structure for wet wells.						
Peak Hour Trip Ge	neration (from row 15 on the second page)						
AM Peak Hour Trips:	0						
PM Peak Hour Trips:	0						
(reserved for City	y staff)						
TIA required? Y Comments:	Tes NoX						
Accepted by:	of you Filde Date: 5/24/21						

Revised Date: December 2019

Peak Hour Trip Generation by Land Use

Row	ITE Land Use		ITE Land Use Code	Unit	Quantity	AM Peak Hour of Adjacent Street Traffic	PM Peak Hour of Adjacent Street Traffic
1	Proposed #1	No relevant code	N/A	N/A	N/A	1	1
2	Proposed #2						
3	Proposed #3						
4	Proposed #4						
5	Proposed #5						
6	Proposed #6						
7	Total New Trips					1	1
8	Existing #1	No relevant code	N/A	N/A	N/A	1	1
9	Existing #2						
10	Existing #3						
11	Existing #4						
12	Existing #5						
13	Existing #6						
14		Total Existing Tr	1	1			
15		Final Total (Total New – T	0	0			

Instructions

Determination of trip generation rates shall be in conformance with ITE guidelines.

- 1. Based on the intended use(s), calculate the AM Peak and PM Peak trip generation using the AM and PM Peak Hour of Adjacent Street Traffic rates from the most current version of the ITE Trip Generation Manual (rows 1-6). Attach additional sheets as necessary for more uses.
- 2. Sum up all of the trips generated for the new uses in the Total New Trips row (row 7).
- 3. If the development has any existing uses, calculate the AM Peak and PM Peak trip generations using the AM and PM Peak Hour of Adjacent Street Traffic rates from the most current version of the ITE Trip Generation Manual (rows 8-13). Attach additional sheets as necessary for more uses.
- 4. Sum up all of the trips generated for the existing uses in the Total Existing Trips row (row 14).
- 5. Subtract the total existing trips from the total new trips to get the final total number of trips generated by the development (row 15). Enter these numbers on the first page.

Revised Date: December 2019