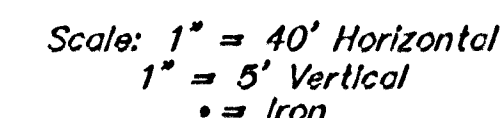
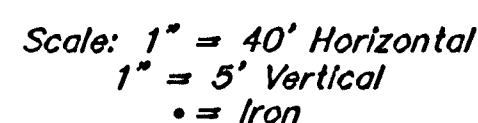


"O" IN OPEN, TOP FLANGE OF
FIRE HYDRANT AT THE S.W.
CORNER OF 61ST. ST. N. &
MERIDIAN AVE.
ELEV. = 1339.16 M.S.L.
ELEV. = 151.76 City Datum



 Denotes Trees to be
Removed by the
Sanitary Sewer Contractor

The plan view shows two sections of sanitary sewer lines, LINE 5 and LINE 5A, plotted on a grid with elevations from 135 to 155 feet. LINE 5 starts at Station 0+00 (Elevation 135.42) and ends at Station 4+18.73 (Elevation 142.00). It consists of three segments: 271.71 LF of 8-inch pipe at 0.766% slope, 147.02 LF of 8-inch pipe at 1.632% slope, and a final segment to the end of Line 5. LINE 5A starts at Station 0+00 (Elevation 139.50) and ends at Station 1+87.97 (Elevation 142.50). It consists of a single segment of 187.97 LF of 8-inch pipe at 1.543% slope. Both lines show existing and proposed grades, with the proposed grade being consistently lower. Flow directions are indicated by arrows and text: 'Flow Out (N)', 'Flow In (S)', 'Flow In (NE)', 'Flow Out (N)', 'Flow In (W & E)', 'Flow Out (E)', and 'Flow Out (W)'. Stationing and elevations are marked at the beginning and end of each segment. A title block in the bottom right corner provides project details for 'Rio Vista Estates 4th Addition Sanitary Sewer Improvements', including the company name 'Baughman', project number '408-81842', and the date '06/05'.

LINE 5

Sta. 0+00, Line 5
= Sta. 9+00.24, Line 7

Existing Grade

Proposed Grade

271.71 LF, 8" Ppe. @ 0.766%

147.02 LF, 8" Ppe. @ 1.632%

Sta. 4+18.73, End Line 5
Construct std. manhole
Rim Elev. = 143.70

LINE 5A

Sta. 0+00, Line 5a
= Sta. 2+71.71, Line 5

Existing Grade

Proposed Grade

187.97 LF, 8" Ppe. @ 1.543%

Sta. 1+87.97, End Line 5a
Construct std. manhole
Rim Elev. = 143.50

Table 1: Stationing and Elevation Data

Station	Elevation (ft)	Notes
0+00	135.42	Flow Out (N)
0+00	137.42	Flow In (S)
0+00	135.42	Flow In (NE)
1+00	138.79	Flow
2+00	139.50	Flow
2+71.71	139.50	Flow Out (N)
2+71.71	139.60	Flow In (W & E)
3+00	140.06	Flow
4+00	141.59	Flow
4+18.73	142.00	Flow Out (E)
0+00	139.50	Flow Out (N)
0+00	139.60	Flow In (E & W)
1+00	141.14	Flow
1+87.97	142.50	Flow Out (W)

Table 2: Project Information

Baughman		Rio Vista Estates 4th Addition Sanitary Sewer Improvements	
Baughman Company, P.A. 315 Elm St. Woburn, MA 01801 P 316-2637711 F 316-2637409			
ENGINEERING SURVEYING PLANNING LANDSCAPE ARCHITECTURE			
PROJECT NUMBER 408-81842		DESIGN MWS	DRAWN MWS
REVISIONS		APPROVED	DATE 06/05
		SCALE Noted	
		SHEET	9 OF 19

R:\eng\Rio_Vista\ss.dwg 05-03-2020