



1.01 LIFT STATION SPECIFICATIONS

1.02 10" HOLES MADE IN THE FIELD - THEIR MAXIMUM DIMENSION SHALL NOT EXCEED 1 1/2 TIMES THE OUTSIDE DIAMETER OF THE PIPE PASSED THROUGH THE WALLS OF THE WELL. ALL HOLES SHALL BE MADE IN THE FIELD AND IN NO CIRCUMSTANCES WILL CUT ENDS BE SEEN IN ANY JOINT OR IN THE SURFACE OF THE OUTSIDE SURFACE. OPENINGS SO MADE SHALL BE THOROUGHLY FILLED WITH NON-SHRINKING GROUT AFTER INSTALLATION OF THE PIPES AND SPECIAL CARE SHALL BE TAKEN TO INSURE A WATER-TIGHT JOINT AT THESE POINTS.

2.01 PIPING INSIDE PUMP STATION AND VALVE VAULT.

2.02 PIPING INSIDE THE STATION NET WELL AND VALVE VAULT SHALL BE DUCTILE IRON.

3.01 VALVES

3.02 VALVES INCLUDING TYPE PLUG VALVES, FULL PORT VALVES SHALL BE NONLUBRICATED ECCENTRIC TYPE WITH RESILIENT GASKET PLUGS HAVING MECHANICAL JOINT OR FLANGED ENDS.

4.01 PORT AREAS SHALL BE AT LEAST 80% OF FULL PIPE AREA.

4.02 ALL VALVE PLUGS, VALVE PLUGS AND VALVE BODY BUSHINGS SHALL BE FABRICATED OF MATERIALS, WHICH ARE CORROSION AND ABRASIVE RESISTANT. THE CORROSION RESISTANCE SHALL BE SUCH THAT EXPOSURE OVER A PERIOD OF FIVE YEARS TO DOMESTIC WASTEWATER, INDUSTRIAL, SUCH THAT IT MAY BE COMPARABLE TO SEWAGE, AND TO AERATED SEWAGE, WITHOUT SUFFERING FROM CORROSION. VALVES SHALL BE AVAILABLE IN STEEL, BRASS, SILENEUR, AD, HYDROCHLORIC ACID, ACETIC ACID, MINERAL OILS, VEGETABLE OILS, POLYMERS, ESTERS OR ACETONES SHALL NOT RESULT IN SUFFICIENT CORROSION TO PREVENT THE VALVE FROM BEING USED.

5.01 GASKETS SHALL BE CAPABLE OF BEING REPLACED WHILE THE LINE AND VALVE REMAIN IN SERVICE, IF UNDER SUBMERGED CONDITIONS, THEREBY ELIMINATING THE NEED FOR PROTECTIVE MEASURES.

6.01 ALL EXPLODED NUTS, BOLTS, SPRINGS, AND WASHERS SHALL BE PLATED WITH CORROSION RESISTANT MATERIAL. MEANS OF ACTUATION SHALL BE BY LEVER, LATCH OR WRENCH. LOCKS SHALL BE PROVIDED ON ALL VALVES.

7.01 VALVES SHALL BE DESIGNED TO BE COMESTOAL BASED FLOORING AT 3000 X CENTRIC OR 4000 X.

8.01 GATE VALVES

8.02 GATE VALVES SMALLER THAN 4-INCH INSTALLED ABOVE GROUND AND IN STRUCTURES SHALL BE BRONZE, 125 LB. S.W.P. DOUBLE DISC, SCREWED-IN BONNET, RISING STEM, INSIDE SCREW GATE VALVES WITH SCREWED ENDS AND WALLEABLE RON HANDWHEELS. VALVES SHALL MEET THE REQUIREMENTS OF A.S.T.M. SPECIFICATION A 213.

9.01 CHECK VALVES SHALL BE SWEING CHECK VALVES WITH OUTSIDE WEIGHTED ARM, IRON BODY, BRONZE MOUNTED, MUELLER OR APPROVED EQUAL.

10.01 ALL FASTENERS AND HARDWARE INSIDE THE NET WELL AND VALVE BOX SHALL BE STAINLESS STEEL.

11.01 ALL VALVES SHALL BE INSTALLED IN THE OPEN POSITION, LOOKING HANGS SHALL BE FURNISHED FOR EACH COVER, FRAME AND ACCESS COVER.

12.01 ACCESS FRAME AND COVER

13.01 ACCESS FRAME AND COVER

14.01 ACCESS FRAME AND COVER

15.01 ACCESS FRAME AND COVER

16.01 ACCESS FRAME AND COVER

17.01 ACCESS FRAME AND COVER

18.01 ACCESS FRAME AND COVER

19.01 ACCESS FRAME AND COVER

20.01 ACCESS FRAME AND COVER

21.01 ACCESS FRAME AND COVER

22.01 ACCESS FRAME AND COVER

23.01 ACCESS FRAME AND COVER

24.01 ACCESS FRAME AND COVER

25.01 ACCESS FRAME AND COVER

26.01 ACCESS FRAME AND COVER

27.01 ACCESS FRAME AND COVER

28.01 ACCESS FRAME AND COVER

29.01 ACCESS FRAME AND COVER

30.01 ACCESS FRAME AND COVER

31.01 ACCESS FRAME AND COVER

32.01 ACCESS FRAME AND COVER

33.01 ACCESS FRAME AND COVER

34.01 ACCESS FRAME AND COVER

35.01 ACCESS FRAME AND COVER

36.01 ACCESS FRAME AND COVER

37.01 ACCESS FRAME AND COVER

38.01 ACCESS FRAME AND COVER

39.01 ACCESS FRAME AND COVER

40.01 ACCESS FRAME AND COVER

41.01 ACCESS FRAME AND COVER

42.01 ACCESS FRAME AND COVER

43.01 ACCESS FRAME AND COVER

44.01 ACCESS FRAME AND COVER

45.01 ACCESS FRAME AND COVER

46.01 ACCESS FRAME AND COVER

47.01 ACCESS FRAME AND COVER

48.01 ACCESS FRAME AND COVER

49.01 ACCESS FRAME AND COVER

50.01 ACCESS FRAME AND COVER

51.01 ACCESS FRAME AND COVER

52.01 ACCESS FRAME AND COVER

53.01 ACCESS FRAME AND COVER

54.01 ACCESS FRAME AND COVER

55.01 ACCESS FRAME AND COVER

56.01 ACCESS FRAME AND COVER

57.01 ACCESS FRAME AND COVER

58.01 ACCESS FRAME AND COVER

59.01 ACCESS FRAME AND COVER

60.01 ACCESS FRAME AND COVER

61.01 ACCESS FRAME AND COVER

62.01 ACCESS FRAME AND COVER

63.01 ACCESS FRAME AND COVER

64.01 ACCESS FRAME AND COVER

65.01 ACCESS FRAME AND COVER

66.01 ACCESS FRAME AND COVER

67.01 ACCESS FRAME AND COVER

68.01 ACCESS FRAME AND COVER

69.01 ACCESS FRAME AND COVER

70.01 ACCESS FRAME AND COVER

71.01 ACCESS FRAME AND COVER

72.01 ACCESS FRAME AND COVER

73.01 ACCESS FRAME AND COVER

74.01 ACCESS FRAME AND COVER

75.01 ACCESS FRAME AND COVER

76.01 ACCESS FRAME AND COVER

77.01 ACCESS FRAME AND COVER

78.01 ACCESS FRAME AND COVER

79.01 ACCESS FRAME AND COVER

80.01 ACCESS FRAME AND COVER

81.01 ACCESS FRAME AND COVER

82.01 ACCESS FRAME AND COVER

83.01 ACCESS FRAME AND COVER

84.01 ACCESS FRAME AND COVER

85.01 ACCESS FRAME AND COVER

86.01 ACCESS FRAME AND COVER

87.01 ACCESS FRAME AND COVER

88.01 ACCESS FRAME AND COVER

89.01 ACCESS FRAME AND COVER

90.01 ACCESS FRAME AND COVER

91.01 ACCESS FRAME AND COVER

92.01 ACCESS FRAME AND COVER

93.01 ACCESS FRAME AND COVER

94.01 ACCESS FRAME AND COVER

95.01 ACCESS FRAME AND COVER

96.01 ACCESS FRAME AND COVER

97.01 ACCESS FRAME AND COVER

98.01 ACCESS FRAME AND COVER

99.01 ACCESS FRAME AND COVER

100.01 ACCESS FRAME AND COVER

101.01 ACCESS FRAME AND COVER

102.01 ACCESS FRAME AND COVER

103.01 ACCESS FRAME AND COVER

104.01 ACCESS FRAME AND COVER

105.01 ACCESS FRAME AND COVER

106.01 ACCESS FRAME AND COVER

107.01 ACCESS FRAME AND COVER

108.01 ACCESS FRAME AND COVER

109.01 ACCESS FRAME AND COVER

110.01 ACCESS FRAME AND COVER

111.01 ACCESS FRAME AND COVER

112.01 ACCESS FRAME AND COVER

113.01 ACCESS FRAME AND COVER

114.01 ACCESS FRAME AND COVER

115.01 ACCESS FRAME AND COVER

116.01 ACCESS FRAME AND COVER

117.01 ACCESS FRAME AND COVER

118.01 ACCESS FRAME AND COVER

119.01 ACCESS FRAME AND COVER

120.01 ACCESS FRAME AND COVER

121.01 ACCESS FRAME AND COVER

122.01 ACCESS FRAME AND COVER

123.01 ACCESS FRAME AND COVER

124.01 ACCESS FRAME AND COVER

125.01 ACCESS FRAME AND COVER

126.01 ACCESS FRAME AND COVER

127.01 ACCESS FRAME AND COVER

128.01 ACCESS FRAME AND COVER

129.01 ACCESS FRAME AND COVER

130.01 ACCESS FRAME AND COVER

131.01 ACCESS FRAME AND COVER

132.01 ACCESS FRAME AND COVER

133.01 ACCESS FRAME AND COVER

134.01 ACCESS FRAME AND COVER

135.01 ACCESS FRAME AND COVER

136.01 ACCESS FRAME AND COVER

137.01 ACCESS FRAME AND COVER

138.01 ACCESS FRAME AND COVER

139.01 ACCESS FRAME AND COVER

140.01 ACCESS FRAME AND COVER

141.01 ACCESS FRAME AND COVER

142.01 ACCESS FRAME AND COVER

143.01 ACCESS FRAME AND COVER

144.01 ACCESS FRAME AND COVER

145.01 ACCESS FRAME AND COVER

146.01 ACCESS FRAME AND COVER

147.01 ACCESS FRAME AND COVER

148.01 ACCESS FRAME AND COVER

149.01 ACCESS FRAME AND COVER

150.01 ACCESS FRAME AND COVER

151.01 ACCESS FRAME AND COVER

152.01 ACCESS FRAME AND COVER

153.01 ACCESS FRAME AND COVER

154.01 ACCESS FRAME AND COVER

155.01 ACCESS FRAME AND COVER

156.01 ACCESS FRAME AND COVER

157.01 ACCESS FRAME AND COVER

158.01 ACCESS FRAME AND COVER

159.01 ACCESS FRAME AND COVER

160.01 ACCESS FRAME AND COVER

161.01 ACCESS FRAME AND COVER

162.01 ACCESS FRAME AND COVER

163.01 ACCESS FRAME AND COVER

164.01 ACCESS FRAME AND COVER

165.01 ACCESS FRAME AND COVER

166.01 ACCESS FRAME AND COVER

167.01 ACCESS FRAME AND COVER

168.01 ACCESS FRAME AND COVER

169.01 ACCESS FRAME AND COVER

170.01 ACCESS FRAME AND COVER

171.01 ACCESS FRAME AND COVER

172.01 ACCESS FRAME AND COVER

173.01 ACCESS FRAME AND COVER

174.01 ACCESS FRAME AND COVER

175.01 ACCESS FRAME AND COVER

176.01 ACCESS FRAME AND COVER

177.01 ACCESS FRAME AND COVER

178.01 ACCESS FRAME AND COVER

179.01 ACCESS FRAME AND COVER

180.01 ACCESS FRAME AND COVER

181.01 ACCESS FRAME AND COVER

182.01 ACCESS FRAME AND COVER

183.01 ACCESS FRAME AND COVER

184.01 ACCESS FRAME AND COVER

185.01 ACCESS FRAME AND COVER

186.01 ACCESS FRAME AND COVER

187.01 ACCESS FRAME AND COVER

188.01 ACCESS FRAME AND COVER

189.01 ACCESS FRAME AND COVER

190.01 ACCESS FRAME AND COVER

191.01 ACCESS FRAME AND COVER

192.01 ACCESS FRAME AND COVER

193.01 ACCESS FRAME AND COVER

194.01 ACCESS FRAME AND COVER

195.01 ACCESS FRAME AND COVER

196.01 ACCESS FRAME AND COVER

197.01 ACCESS FRAME AND COVER

198.01 ACCESS FRAME AND COVER

199.01 ACCESS FRAME AND COVER

200.01 ACCESS FRAME AND COVER

201.01 ACCESS FRAME AND COVER

202.01 ACCESS FRAME AND COVER

203.01 ACCESS FRAME AND COVER

204.01 ACCESS FRAME AND COVER

205.01 ACCESS FRAME AND COVER

206.01 ACCESS FRAME AND COVER

207.01 ACCESS FRAME AND COVER

208.01 ACCESS FRAME AND COVER

209.01 ACCESS FRAME AND COVER

210.01 ACCESS FRAME AND COVER

211.01 ACCESS FRAME AND COVER

212.01 ACCESS FRAME AND COVER

213.01 ACCESS FRAME AND COVER

214.01 ACCESS FRAME AND COVER

215.01 ACCESS FRAME AND COVER

216.01 ACCESS FRAME AND COVER

217.01 ACCESS FRAME AND COVER

218.01 ACCESS FRAME AND COVER

219.01 ACCESS FRAME AND COVER

220.01 ACCESS FRAME AND COVER

221.01 ACCESS FRAME AND COVER

222.01 ACCESS FRAME AND COVER

223.01 ACCESS FRAME AND COVER

224.01 ACCESS FRAME AND COVER

225.01 ACCESS FRAME AND COVER

226.01 ACCESS FRAME AND COVER

227.01 ACCESS FRAME AND COVER

228.01 ACCESS FRAME AND COVER

229.01 ACCESS FRAME AND COVER

230.01 ACCESS FRAME AND COVER

<[illegible]

| | | | | | | | | | | | | | | | | | |
|--|--|---|--|--|--|--|--|------------------------------|--|---|--|---|--|-----------------------|--|-----------------------|--|
| <div>GRAND AVENUE LIFT STATION RENOVATION IMPROVEMENTS FOR THE CITY OF SEBRING</div> | | <div><div>Polston Engineering Inc.</div><div>CIVIL ENGINEERING CONSULTANTS</div></div> | | <div>2925 KENILWORTH BLVD., SEBRING, FLORIDA 33870 863-385-5564 PHONE 863-385-2462 FAX</div> | | <div>CONTRACT NO. WILL ASKE WITHOUT SPECIAL STAMP AND NOTED SEAL</div> | | <div>JOB # 15055</div> | | <div>DATE 7-JUN-15</div> | | <div>REMARK INITIAL SUBMITTAL</div> | | <div>DR DRJ</div> | | <div>CH RDP</div> | |
| | | <div>CERTIFICATE OF AUTHORIZATION # 5584 FOR THE PROJECT OF MARVIN LUTHER WOLFE P.E. # 48300</div> | | <div>SCALE 1"=10'</div> | | | | <div>DATE 06-02-20</div> | | <div>REVISIONS DUE TO ROADWAY CHANGES</div> | | <div>SCALE 1"=10'</div> | | <div>DATE</div> | | | |