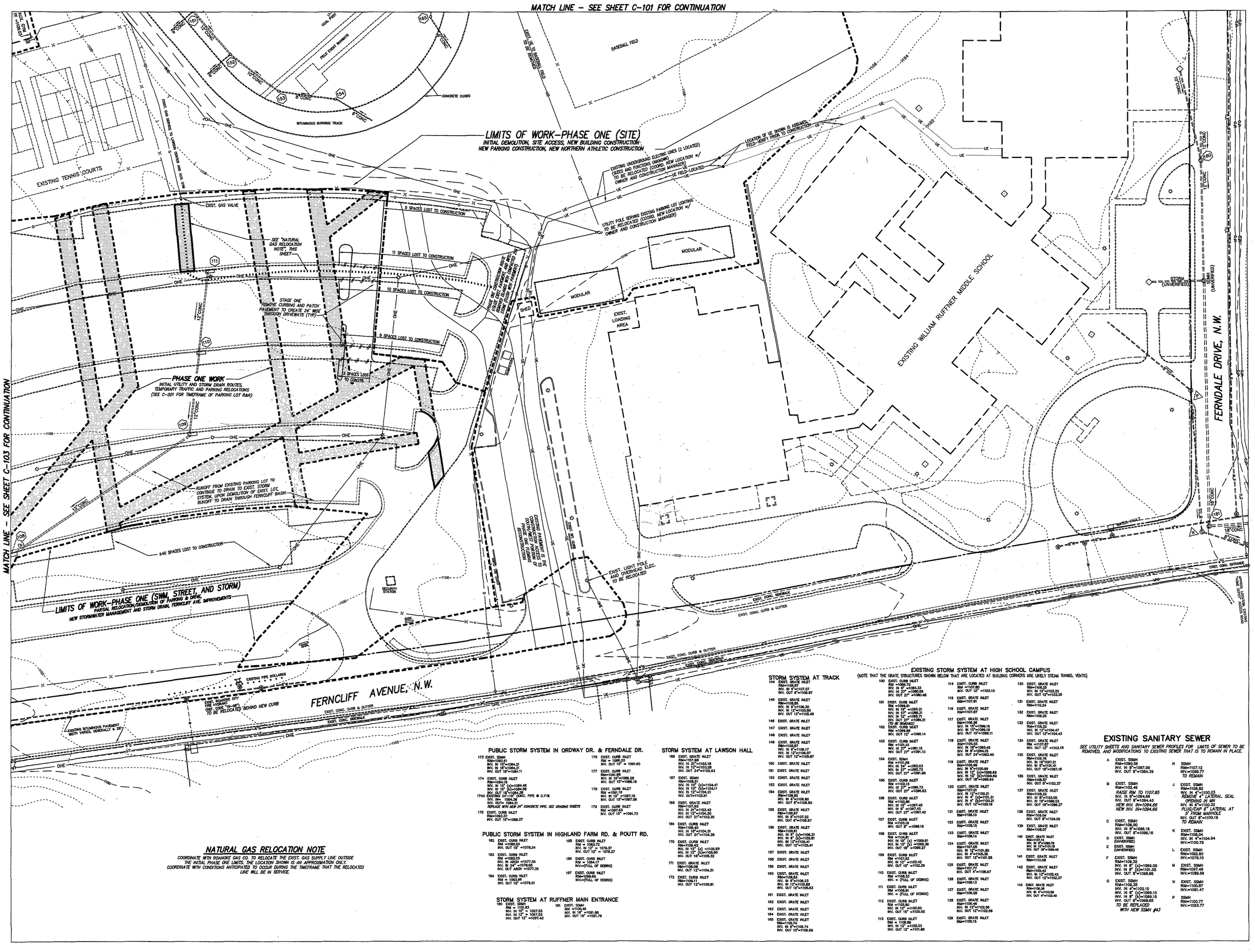


NATURAL GAS RELOCATION NOTE

COORDINATE WITH ROANOKE GAS CO. TO RELOCATE THE EXIST. GAS SUPPLY LINE OUTSIDE THE INITIAL PHASE ONE LIMITS. THE LOCATION SHOWN IS AN APPROXIMATION ONLY. COORDINATE WITH CONDITIONS ANTICIPATED TO OCCUR DURING THE TIMEFRAME THAT THE RELOCATED LINE WILL BE IN SERVICE.

PUBLIC STORM SYSTEM IN ORDWAY DR. & FERNDALE DR.

173 EXIST. SDMH
RIM =1084.21
INV. IN 15"=1084.21
INV. IN 18"=1084.21
INV. OUT 18"=1084.11

174 EXIST. CURB INLET
RIM=1094.15
INV. IN 15" (s)=1094.48
INV. IN 15" (b)=1094.58
INV. OUT 15"=1094.48

174A EXISTING 28-18" CONC. PIPE @ 0.71%
INV. IN= 1094.36
INV. OUT= 1094.21
REPLACE WITH NEW 24" CONCRETE PIPE. SEE GRADING SHEETS

175 EXIST. CURB INLET
RIM=1093.37
INV. OUT 15"=1088.27

176 EXIST. CURB INLET
RIM = 1096.20
INV. OUT 15" = 1091.60

177 EXIST. CURB INLET
RIM=1091.66
INV. IN 15"=1088.28
INV. OUT 15"=1088.18

178 EXIST. CURB INLET
RIM =1091.18
INV. IN 15" =1087.16
INV. OUT 15"=1087.06

179 EXIST. CURB INLET
RIM =1097.53
INV. OUT 15" =1091.73

PUBLIC STORM SYSTEM IN HIGHLAND FARM RD. & ROUTT RD.

182 EXIST. CURB INLET
RIM =1080.64
INV. OUT 15" =1078.24

183 EXIST. CURB INLET
RIM =1083.02
INV. IN ABOV =1077.55
INV. IN 24" =1078.55
INV. OUT ABOV =1077.35

184 EXIST. CURB INLET
RIM = 1083.96
INV. OUT 15" =1079.51

185 EXIST. CURB INLET
RIM = 1083.72
INV. IN 12" = 1079.37
INV. OUT 12" = 1079.27

186 EXIST. CURB INLET
RIM = 1084.17
INV=(FULL OF DEBRIS)

187 EXIST. CURB INLET
RIM=1099.65
INV=(FULL OF DEBRIS)

STORM SYSTEM AT RUFFNER MAIN ENTRANCE

180 EXIST. SDMH
RIM = 1101.83
INV. IN 15" = 1097.53
INV. IN 15" = 1097.53
INV. OUT 12" =1097.43

181 EXIST. SDMH
RIM =1100.46
INV. IN 18" =1091.86
INV. OUT 18" =1091.76

STORM SYSTEM AT LAWSON HALL

168 EXIST. GRATE INLET
RIM=1107.88
INV. IN 21"=1103.18
INV. IN 12"=1103.28
INV. OUT 24"=1102.53

167 EXIST. SDMH
RIM=1105.7
INV. IN 10" (s)=1104.41
INV. IN 10" (b)=1104.11
INV. IN 12"=1104.21
INV. OUT=1103.51

166 EXIST. GRATE INLET
RIM=1107.95
INV. IN 21"=1103.42
INV. IN 12"=1104.32
INV. OUT 21"=1103.35

169 EXIST. CURB INLET
RIM=1108.40
INV. IN 18"=1104.31
INV. OUT 21"=1104.35

170 EXIST. CURB INLET
RIM=1108.47
INV. IN 8" (s)=1105.69
INV. IN 12" (b)=1105.60
INV. OUT 18"=1105.32

171 EXIST. GRATE INLET
RIM=1108.06
INV. OUT 12"=1104.31

172 EXIST. CURB INLET
RIM=1108.11
INV. OUT 12"=1105.81

STORM SYSTEM AT TRACK

144 EXIST. GRATE INLET
RIM=1108.67
INV. IN 8"=1107.07
INV. OUT 8"=1106.87

145 EXIST. GRATE INLET
RIM=1108.85
INV. IN 8"=1106.30
INV. IN 12"=1105.60
INV. OUT 12"=1105.45

146 EXIST. GRATE INLET

147 EXIST. GRATE INLET

148 EXIST. GRATE INLET

149 EXIST. GRATE INLET
RIM=1106.97
INV. IN 8"=1106.17
INV. IN 12"=1106.07
INV. OUT 12"=1105.87

150 EXIST. GRATE INLET

151 EXIST. GRATE INLET

152 EXIST. GRATE INLET

153 EXIST. GRATE INLET

154 EXIST. GRATE INLET
RIM=1108.50
INV. IN 8"=1106.80
INV. OUT 8"=1106.80

155 EXIST. GRATE INLET
RIM=1107.27
INV. OUT 8"=1107.27

156 EXIST. GRATE INLET
RIM=1108.61
INV. IN 8" (s)=1106.31
INV. IN 8" (b)=1105.81
INV. IN 12"=1105.41
INV. OUT 12"=1105.41

157 EXIST. GRATE INLET

158 EXIST. GRATE INLET

159 EXIST. GRATE INLET

160 EXIST. GRATE INLET
RIM=1108.53
INV. IN 8"=1108.23
INV. IN 12"=1105.68
INV. OUT 12"=1105.53

161 EXIST. GRATE INLET

162 EXIST. GRATE INLET

163 EXIST. GRATE INLET

164 EXIST. GRATE INLET

165 EXIST. GRATE INLET
RIM=1108.74
INV. IN 8"=1106.74
INV. OUT 10"=1106.69

EXISTING STORM SYSTEM AT HIGH SCHOOL CAMPUS

(NOTE THAT THE GRATE STRUCTURES SHOWN BELOW THAT ARE LOCATED AT BUILDING CORNERS ARE LIKELY STEAM TUNNEL VENTS)

100 EXIST. CURB INLET
RIM =1092.34
INV. IN 30" =1088.33
INV. IN 27" =1090.58
INV. OUT 27" =1090.48

101 EXIST. CURB INLET
RIM =1099.91
INV. IN 18" =1095.21
INV. IN 27" =1095.21
INV. IN 27" =1095.71
INV. OUT 27" =1095.21
(TO BE REMOVED)

102 EXIST. CURB INLET
RIM =1099.50
INV. OUT 12" =1096.14

103 EXIST. CURB INLET
RIM =1101.34
INV. IN 24" =1095.15
INV. OUT 24" =1095.10

104 EXIST. SDMH
RIM =1101.85
INV. IN 24" =1092.03
INV. IN 27" =1095.73
INV. OUT 27" =1091.38

105 EXIST. CURB INLET
RIM =1102.15
INV. IN 27" =1096.73
INV. OUT 27" =1096.53

106 EXIST. CURB INLET
RIM =1102.85
INV. IN 18" =1097.45
INV. IN 27" =1097.45
INV. OUT 27" =1097.40

107 EXIST. CURB INLET
RIM =1103.18
INV. OUT 8" =1098.18

108 EXIST. CURB INLET
RIM =1108.50
INV. IN 15" (s) =1099.61
INV. IN 15" (b) =1099.36
INV. OUT 15" =1099.27

109 EXIST. CURB INLET
RIM =1107.54
INV. IN 12" =1102.42
INV. OUT 15" =1102.29

110 EXIST. CURB INLET
RIM =1108.33
INV. = (FULL OF DEBRIS)

111 EXIST. CURB INLET
RIM =1108.91
INV. = (FULL OF DEBRIS)

112 EXIST. CURB INLET
RIM =1105.80
INV. IN 12" =1100.60
INV. OUT 15" =1100.55

113 EXIST. CURB INLET
RIM = 1108.58
INV. IN 12" =1102.03
INV. OUT 12" =1101.98

114 EXIST. CURB INLET
RIM =1107.80
INV. OUT 12" =1103.10

115 EXIST. GRATE INLET
RIM=1107.81

116 EXIST. GRATE INLET
RIM=1107.87

117 EXIST. GRATE INLET
RIM=1108.98
INV. IN 15"=1099.16
INV. IN 15"=1099.16
INV. OUT 15"=1099.11

118 EXIST. GRATE INLET
RIM=1105.55
INV. IN 18"=1093.45
INV. IN 24"=1094.15
INV. OUT 24"=1093.40

119 EXIST. GRATE INLET
RIM=1105.99
INV. IN 12" =1099.69
INV. IN 12" (s)=1099.69
INV. IN 12" (b)=1099.69
INV. OUT 18"=1099.54

120 EXIST. GRATE INLET
RIM=1107.27
INV. IN 15"=1100.31
INV. IN 4" (s)=1101.31
INV. IN 4" (b)=1100.31
INV. OUT 15"=1100.16

121 EXIST. GRATE INLET
RIM=1108.10

122 EXIST. GRATE INLET
RIM=1108.15

123 EXIST. GRATE INLET
RIM=1108.14

124 EXIST. GRATE INLET
RIM=1107.55
INV. IN 12"=1101.85
INV. IN 4"=1105.35
INV. OUT 12"=1101.55

125 EXIST. GRATE INLET
RIM=1107.77
INV. OUT 4"=1106.97

126 EXIST. GRATE INLET
RIM=1108.13

127 EXIST. GRATE INLET
RIM=1108.23

128 EXIST. GRATE INLET
RIM=1106.46
INV. IN 12"=1102.56
INV. OUT 12"=1102.56

129 EXIST. GRATE INLET
RIM=1109.15

130 EXIST. GRATE INLET
RIM=1109.29
INV. IN 12"=1103.20
INV. OUT 12"=1103.35

131 EXIST. GRATE INLET
RIM=1110.24

132 EXIST. GRATE INLET
RIM=1109.23

133 EXIST. GRATE INLET
RIM=1108.32
INV. IN 12"=1104.47
INV. OUT 12"=1104.42

134 EXIST. GRATE INLET
RIM =1107.87
INV. OUT 12" =1103.18

135 EXIST. GRATE INLET
RIM=1108.76
INV. IN 18"=1097.21
INV. IN 8"=1105.41
INV. OUT 18"=1097.16

136 EXIST. GRATE INLET
RIM=1105.57
INV. OUT 8"=1102.37

137 EXIST. GRATE INLET
RIM=1108.31
INV. IN 8"=1105.05
INV. IN 18"=1098.53
INV. OUT 18"=1098.37

138 EXIST. GRATE INLET
RIM=1109.04
INV. OUT 8"=1104.09

139 EXIST. GRATE INLET
RIM=1108.07

140 EXIST. GRATE INLET
RIM=1107.14
INV. IN 8"=1099.76
INV. IN 12"=1099.18
INV. OUT 18"=1099.46

141 EXIST. GRATE INLET
RIM=1110.06

142 EXIST. GRATE INLET
RIM=1109.42
INV. IN 12"=1102.43
INV. OUT 12"=1102.37

143 EXIST. GRATE INLET
RIM=1108.26
INV. IN 4"=1103.59
INV. OUT 4"=1103.49

EXISTING SANITARY SEWER

SEE UTILITY SHEETS AND SANITARY SEWER PROFILES FOR LIMITS OF SEWER TO BE REMOVED, AND MODIFICATIONS TO EXISTING SEWER THAT IS TO REMAIN IN PLACE.

A EXIST. SSMH
RIM=1090.56
INV. IN 8"=1087.06
INV. OUT 8"=1084.39

B EXIST. SSMH
RIM=1102.46
RAISE RIM TO 1107.85
INV. IN 8"=1094.66
INV. OUT 8"=1094.43
NEW INV. IN=1094.66
NEW INV. IN=1094.66

C EXIST. SSMH
RIM=1108.00
INV. IN 8"=1096.16
INV. OUT 8"=1096.16

D EXIST. SSMH
(UNVERIFIED)

E EXIST. SSMH
(UNVERIFIED)

F EXIST. SSMH
RIM=1109.35
INV. IN 8" (s)=1099.09
INV. IN 8" (b)=1101.05
INV. OUT 8"=1098.86

G EXIST. SSMH
RIM=1109.35
INV. IN 4"=1102.15
INV. IN 8" (s)=1099.10
INV. IN 8" (b)=1099.15
INV. OUT 8"=1098.85
TO BE REPLACED WITH NEW SSMH #43

H SSMH
RIM=1107.12
INV.=1099.77
TO REMAIN

J EXIST. SSMH
RIM=1108.52
INV. IN 4"=100.23
REMOVE 4" LATERAL. SEAL OPENING IN MH
INV. IN 4"=100.32
PLUG/CAP 4" LATERAL AT 3' FROM MAINOLE
INV. OUT 8"=1100.19
TO REMAIN

K EXIST. SSMH
RIM=1108.04
INV. IN 4"=1104.94
INV.=1100.79

L EXIST. SSMH
RIM=1092.80
INV.=1075.10

M EXIST. SSMH
RIM=1097.49
INV.=1059.59

N EXIST. SSMH
RIM=1100.87
INV.=1091.47

P SSMH
RIM=1100.77
INV.=1093.77

30' 0' 30' 60' 1" = 30'
GRAPHIC SCALE

PERKINS + WILL
1382 Peachtree St. NE
Atlanta, GA 30309
t: 404.873.2300
f: 404.892.2825
www.perkinswill.com

Rife + Wood ARCHITECTS
1326 Grandin Road Roanoke, Virginia 24015
(540) 344-6613 fax (540) 344-7492

In association with:

Caldwell White Associates
Civil Consultant
4203 Melrose Avenue
Roanoke, Virginia 24017
540-366-3400 (p) 540-366-8702 (f)

Fassesen & Associates
Food Service Consultant
8326 Sunflower Drive
Charlotte, North Carolina 28227
704-536-9234 (p) 704-535-4020 (f)

Lawrence Perry & Associates
Mechanical & Electrical Consultants
30A West Church Avenue
Roanoke, Virginia 24011
540-342-1816 (p) 540-344-3410 (f)

R.A. Meador
Landscape Consultant
P.O. Box 372
Hardy, Virginia 24101
540-890-4533 (p)

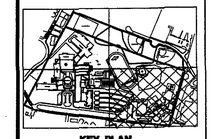
Stewart Acoustical Consultants
Acoustical Consultant
7408 L Chapel Hill Road
Raleigh, North Carolina 27607
919-858-0899 (p) 919-858-0878 (f)

Uzun & Case Engineers
Structural Consultant
1180 West Peachtree Street – Suite 120
Atlanta, Georgia 30309
678-553-5200 (p) 678-553-5270 (f)

CWA
ENGINEERS / SURVEYORS / PLANNERS
CWA W.O.: 06-0089 NB: Rkw. City Schools

WILLIAM FLEMING HIGH SCHOOL

School Site Project No. 124-40A
Literary Loan No. 11255



KEY PLAN

NUMBER	ISSUE	DATE

Revisions

Copyright © 2007 PERKINS + WILL

COMMONWEALTH OF VIRGINIA
CORBIN L. WHITE
No. 23843
05-15-07
PROFESSIONAL ENGINEER

Sheet Information

Date	May 15, 2007
Job Number	800372.000
Scale	1" = 30'
Drawn	C.L. White
Checked	
Approved	

Title

EXISTING CONDITIONS AND DEMOLITION PLAN

Sheet

C-100

ISSUED FOR CONSTRUCTION