

**COBB FIRE NOTES:**

- a) Fire apparatus access roads shall extend to within 50 feet of all portions of the facility or any portion of the exterior wall of the fire zone (State Modifications IPC 503.1.3)
- b) Dead-end access roads in excess of 150 feet shall be provided with a turn around (IPC 503.2.5)
- c) Hammerhead turn-around: total of 120 feet needed (60 feet + 60 feet from centerline). (IPC 503)
- d) Provide details of all access roads required to meet the American Association of State and Highway Transportation Officials (AASHTO) design manual fire load standard H-20 (75,000 lbs.) with an unobstructed width of not less than 20 feet, 35 feet inside radius, 50 feet outside turning radius and an unobstructed vertical clearance of not less than 13 feet 6 inches. (Cobb Section 110-291)
- e) Cut de-sic with or without an island: minimum 60-foot radius to outside curb, measured to inside of curb and a minimum lane width = 24 feet (Cobb County Development Standard 401.09)
- f) The all-weather surface must be specified and if other than asphalt or concrete requires individual approval by CCFMD.
- g) Maximum slope of the access road in reference to the apparatus is 1.0% front to back and 3% side to side.
- h) Maximum grade of roadways leading to Fire Access roads refer to the Cobb County Development Standard Section 401.14% for Non-Residential. Maximum angle of departure is 8.0% accounting for a maximum of 8 inches of ground clearance and a wheel base of 20 ft.
- i) Aerial apparatus access shall be required for all structures over 30 feet in height measured from the lowest level of fire department access to the ceiling height of the highest occupied floor level.
- j) Aerial fire apparatus access roads shall be a minimum width of 24 feet a maximum of 40 feet from the structure and be positioned parallel to one entire side of the building.
- k) No overhead utility and power lines shall be located within the aerial fire apparatus access. (Cobb County Development Standards 401.08.02)
- l) Speed humps shall meet the approved requirements when placed within Fire Lane Access:

- m) Show designated areas to meet the following requirements:
  - a) Sides of signs shall read "Fire Lane"
  - b) Signs shall not be less than 2 feet in height
  - c) Signs shall be placed at the beginning of the fire lane and one at the end of fire lane with signs not more than 100 feet apart
  - d) Signs shall be more than 4 feet from edge of curb and shall be visible from both directions of driving surface
  - e) Height of signs as measured from bottom of sign shall be a minimum of 4 feet and a maximum of 7 feet from ground level
  - f) Alternative signage may be used with separate Fire Marshal's approval
  - g) Lanes 20 to 25 feet marking and signs will be required on both sides
  - h) Lanes in excess of 37 feet, no signs or markings required
  - i) Curbing or lineage delineating fire lane shall be painted red and the top and face of curb shall be painted (Cobb County Code Section 118-231)
  - k) The Life Safety Inspector will make final determination of Fire Lanes before final inspection is made



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Civil Engineering • Site Development • Erosion Control

DRAWING DATE: 7-26-17 PROJECT NO: 16005.00

SUBMITTAL RECORD:	
DATE	DESCRIPTION

REVISION RECORD:	
DATE	DESCRIPTION



7-26-17

PROJECT NAME: DURR FIELD IMPROVEMENTS

SITE: SCHOOL STREET ACWORTH, GA

SHEET TITLE: SITE PLAN

SHEET NUMBER: C2



NOTE: No gate is to be installed at this time. Access to gates and through gates shall be in a direct straight path without curvature for at least 45 feet on either side. Gates securing fire apparatus access shall provide at least 14 feet in clear width for a single lane and 20 feet for a double lane. Gates shall be swing or sliding type. Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access (3.0nos Switch from 3000/2000/1000/500/250/125/62.5/31.25/15.625/7.8125) and operations upon power failure. Multiple gates on site may require interconnections and simultaneous operation. Emergency opening devices shall be approved by the Cobb County Fire Marshal's Office. (Cobb County Development Standards 401.08.02)

NOTE: IPC 510 emergency responder radio cover (BIRK) signal testing will be required for all new buildings or buildings with substantial renovations. See following letter from Cobb County Fire Marshal:

LIMITS OF DISTURBANCE = 0.67 AC.

**COBB COUNTY WATER SYSTEM**  
 Stephen D. McCullers, P.E. Director  
 Customer Service Facility  
 580 South Cobb Lane  
 Marietta, Georgia 30060-3109  
 770-419-2800  
 www.cobb-county.org

Cobb County Fire Department  
 Fire Prevention Division  
 1594 Conats Services Parkway  
 Marietta, GA 30060

To whom it concerns:  
 A Fire Flow Test has been conducted by the Cobb County Water System for the following project:  
**PROJECT NAME:** DURR FIELD RESTROOM FACILITY  
**STREET NAME:** SCHOOL STREET  
**DISTRICT:** 20  
**LAND LOTS:** 32  
**DEVELOPER:** CITY OF ACWORTH  
**CONTACT NAME:** JAMES ALBRIGHT PHONE: 404-597-7883  
**TYPE OF DEV:** COMMERCIAL

TEST DATE:	6/9/2017
STATIC PRESSURE	148 PSI
RESIDUAL PRESSURE	146 PSI
FIRE HYDRANT FLOW	1650 GPM
AVAILABLE FLOW AT 20 psi	4125 GPM
SIZE OF WATER MAIN (UNCONFIRMED)	6 INCHES

The data contained herein are furnished only to demonstrate that adequate fire protection flow exists at the time of the test. Fluctuations to pressure and flow may occur due to demands on the system and other conditions beyond the control of the Cobb County Water System; therefore, additional criteria must be considered and additional independent tests run to confirm pressures for use to the design of any water distribution, sprinkler, or fire protection system.

Sincerely,  
**COBB COUNTY WATER SYSTEM**  
  
 Brian Henley  
 Construction Inspector Supervisor  
 Engineering Records Division  
 Brian.Henley@cobbcounty.org

For Cobb County Water System Use Only:  
 STATIC / RESIDUAL HYDRANT NO. H206032949  
 FLOW HYDRANT NO. H206032963

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