

DRAWING ISSUE RECORD		
DATE	REVISIONS	NO.
11-1-16	ISSUE TO BID	

FIRE SUPPLY AND ACCESS NOTES:

- ALL FIRE LINES SHALL BE DUCTILE IRON CONFORMING TO ANSI A151 OR AWWA C111 (CDS 8-03-08).
- THE POST INDICATOR VALVE (PIV) SHALL OPERATE ONLY THE FIRE SPRINKLER SUPPLY AND BE LOCATED A MINIMUM OF 40-FT FROM THE BUILDING. NO HYDRANTS SHALL BE CONTROLLED BY THE PIV. THE TOP OF THE PIV SHALL BE A MINIMUM OF 36" ABOVE FINAL GRADE.
- CONTROL VALVES ARE NOT PERMITTED BETWEEN THE PIV AND THE BUILDING.
- ALL INTERMEDIATE CONTROL VALVES ON THE FIRE LINE SHALL BE EQUIPPED WITH A ROADWAY BOX.
- A CHECK VALVE SHALL BE INSTALLED TO STOP THE FLOW OF WATER THROUGH THE FIRE DEPARTMENT CONNECTION PER NFPA 4-4.3 AND A CONTROL VALVE SHALL BE INSTALLED ON EACH SIDE OF THE CHECK VALVE PER NFPA 24-6.2.
- FIRE HYDRANTS SHALL BE SPACED NO MORE THAN 500-FT APART AND A MINIMUM OF 40-FT FROM ANY BUILDING. FIRE HYDRANTS SHALL NOT BE CONNECTED TO WATER LINES ON THE POSITIVE SIDE (DISCHARGE SIDE) OF A FIRE PUMP.
- ALL PROPOSED PAVING WITHIN FIRE ACCESS LANES SHALL BE HEAVY DUTY ASPHALT OR CONCRETE WITH AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20-FT, 25-FT LESS RADIUS 50-FT OUTSIDE TURNING RADIUS AND AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13-FT 6-IN.
- NO PARKING, FIRE LANE SIGNS TO BE DOUBLE SIDED WITH LETTERS GREATER THAN OR EQUAL TO TWO (2) INCHES IN HEIGHT. HEIGHT OF SIGN FACE AS MEASURED FROM BOTTOM OF SIGN SHALL BE A MINIMUM OF 4 FEET AND A MAXIMUM OF 1 FEET FROM GROUND LEVEL, AND BE LOCATED NO MORE THAN 4-FT FROM THE EDGE OF CURB. SIGNS SHALL BE SPACED A MAXIMUM OF 100-FT APART AND BE NO MORE THAN 4-FT FROM EDGE OF CURB. VISIBLE FROM BOTH DIRECTIONS OF TRAVEL. DECORATIVE SIGNAGE MAY BE USED WITH FIRE MARSHAL'S APPROVAL. FIRE LINES OF 20-FT TO 28-FT SHALL REQUIRE MARKINGS AND SIGNS ON BOTH SIDES OF LANE. FIRE LINES OF 25-FT TO 31-FT SHALL REQUIRE MARKINGS AND SIGNS ON ONE SIDE OF LANE. FIRE LINES IN EXCESS OF 31-FT SHALL REQUIRE NO SIGNS OR MARKINGS.
- CURBING OR LINEAGE DELINEATING FIRE LANE SHALL BE PAINTED RED AND THE TOP AND FACE OF CURB SHALL BE PAINTED PER COBB COUNTY CODE SECTION 10-29.3. THE LIFE SAFETY INSPECTOR SHALL MAKE THE FINAL DETERMINATION OF FIRE LINES PRIOR TO FINAL INSPECTION.
- THIS SITE PLAN APPROVAL DOES NOT INCLUDE TANKS. TANKS SHALL BE PERMITTED SEPARATELY AT THE COBB COUNTY OFFICE.
- NO GATE WILL 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 REQUIRING 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 BUILT ON SLINGS TYPE. ELECTRIC GATES SHALL BE EQUIPPED WITH A MEANS OF OPENING THE GATE BY FIRE DEPARTMENT PERSONNEL FOR EMERGENCY ACCESS (KNOX SWITCH FROM WALKING BOX OR OTHER APPROVED OPERATIONS UPON POWER FAILURE. MULTIPLE GATES ON SITE MAY REQUIRE INTERSECTION AND SPECIAL TANGIBLE OPERATIONAL. EMERGENCY OPENING DEVICES SHALL BE APPROVED BY THE COBB COUNTY FIRE MARSHAL'S OFFICE. (COBB COUNTY DEVELOPMENT STANDARDS 401.08.02)
- ALL FIRE DEPARTMENT INSPECTIONS ARE REQUIRED TO BE SCHEDULED THROUGH COBB COUNTY.
- FIRE LINES SHALL NOT EXTEND UNDER THE BUILDING MORE THAN 10 FEET AS MEASURED FROM THE OUTSIDE EDGE OF THE BUILDING TO THE CENTER OF THE VERTICAL PIPE (NFPA 24-106.3.1)
- MAINTAIN ACCESS FOR FIRE APPARATUS TO ALL BUILDINGS UNDER CONSTRUCTION INCLUDING TIES OF RAIN OR M.D. ROADS SHALL BE MAINTAINED AND MINIMALLY PROVIDED WITH CRUSHED STONE BASE AT 20' WIDE. ACCESS TO BUILDINGS WITH A FDC OR STANDPIPES SHALL BE WITHIN 40' OF ACCESS.

FIRE ACCESS NOTE: CONTRACTOR SHALL PROVIDE 4" THICK RED PAINT SOLID TRAFFIC STRIPES, LOCATED 6" FROM THE EDGE OF BOTH SIDES OF ASPHALT PAVING, FOR THE ENTIRE LENGTH OF THE FIRE ACCESS LANE. 4" TALL, RED, STENCILED LETTERS READING "NO PARKING FIRE LANE" WILL BE PROVIDED AT THE BEGINNING, END AND EVERY 100' LINEAR FEET ALONG THE LENGTH OF THE FIRE ACCESS LANE. WHERE CURBING IS PROVIDED ALONG FIRE ACCESS LANE, THE CURB SHALL BE PAINTED IN LIEU OF TRAFFIC STRIPING.

COBB COUNTY WATER SYSTEM

1500 Peachtree Street, N.E. | Atlanta, GA 30309 | 404.376.2000

Water & Sewer | 1500 Peachtree Street, N.E. | Atlanta, GA 30309 | 404.376.2000

Gas | 1500 Peachtree Street, N.E. | Atlanta, GA 30309 | 404.376.2000

Electric | 1500 Peachtree Street, N.E. | Atlanta, GA 30309 | 404.376.2000

Sanitation | 1500 Peachtree Street, N.E. | Atlanta, GA 30309 | 404.376.2000

Public Works | 1500 Peachtree Street, N.E. | Atlanta, GA 30309 | 404.376.2000

Public Safety | 1500 Peachtree Street, N.E. | Atlanta, GA 30309 | 404.376.2000

Public Health | 1500 Peachtree Street, N.E. | Atlanta, GA 30309 | 404.376.2000

Public Housing | 1500 Peachtree Street, N.E. | Atlanta, GA 30309 | 404.376.2000

Public Utilities | 1500 Peachtree Street, N.E. | Atlanta, GA 30309 | 404.376.2000

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IFC 510 Compliance Acknowledgment

I, the undersigned, hereby acknowledge that I have read and understand the requirements of IFC 510, 2014, and I agree to comply with the same. I understand that the fire alarm system is required for all buildings with a floor area greater than 10,000 square feet, and I agree to install and maintain such a system in accordance with the requirements of IFC 510, 2014.

Project Name: **HARMONY LELAND CLAY ELEM. SCHOOL BLDG.**

Project Address: **F.F.E. 1047.00**

Date: **11/1/16**

Signature: _____

Title: _____

CLIFF'S FIRE EXTINGUISHER CO., INC.

Fire Hydrant Flow Test Report

Cobb County Schools - MAINTENANCE

Location: **F.F.E. 1047.00**

Date: **11/1/16**

Flow: **1,200 GPM @ 20 PSI**

Pressure: **20 PSI**

Friction Loss: **1.5 PSI/100 FT**

Flow at 100 FT: **1,100 GPM**

Flow at 200 FT: **1,000 GPM**

Flow at 300 FT: **900 GPM**

Flow at 400 FT: **800 GPM**

Flow at 500 FT: **700 GPM**

Flow at 600 FT: **600 GPM**

Flow at 700 FT: **500 GPM**

Flow at 800 FT: **400 GPM**

Flow at 900 FT: **300 GPM**

Flow at 1000 FT: **200 GPM**

CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE DESIGN PROFESSIONAL ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF UTILITIES WITHIN THE LIMITS OF THE WORK. DAMAGE TO EXISTING UTILITIES BY THE CONTRACTOR FROM HIS/HER OPERATIONS, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

811 Know what's below. Call before you dig. Dial 811. Or Call 800-282-7411

CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTION OF BACKFILL OF ALL UTILITY TRENCHES WITHIN 811 WORK LIMITS. THIS INCLUDES TRENCHES DUG AND BACKFILLED BY LOCAL UTILITIES SUCH AS POWER, GAS, TELEPHONE, ETC. CONTRACTOR SHALL PROVIDE ADDITIONAL BACKFILL AND CORRECTION AS NECESSARY, IF SETTLEMENT OCCURS.

GEORGIA REGISTERED PROFESSIONAL ENGINEER

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cunningham, forhand, matthews & moore, architects, inc. - 2011 manchester street, n.e. - atlanta, georgia 30324 - phone (404) 873-2152

HARMONY LELAND CLAY ELEMENTARY SCHOOL REPLACEMENT ELEMENTARY SCHOOL

6380 HARTLEY ROAD, SUITE 100
MABLETON, GA 30128
FOR COBB COUNTY SCHOOL DISTRICT
COBB COUNTY, GA
COBB PROJECT NO. 160874 / DDC FACILITY CODE 160874

DATE: 11-1-16
JOB NO.: 11-1-16-001-16
DWE. BY: KD

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