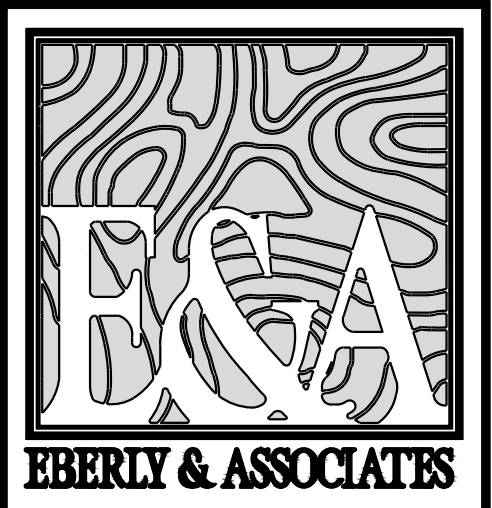


LANDMARK CHRISTIAN ACADEMY

RENOVATIONS & ADDITIONS

FULTON COUNTY



TEL 770.452.7849 FAX 770.452.0086
2951 FLOWERS RD S, SUITE 119
ATLANTA, GEORGIA 30341
WWW.EBERLY.NET

SITE DATA

ZONING USE: R2

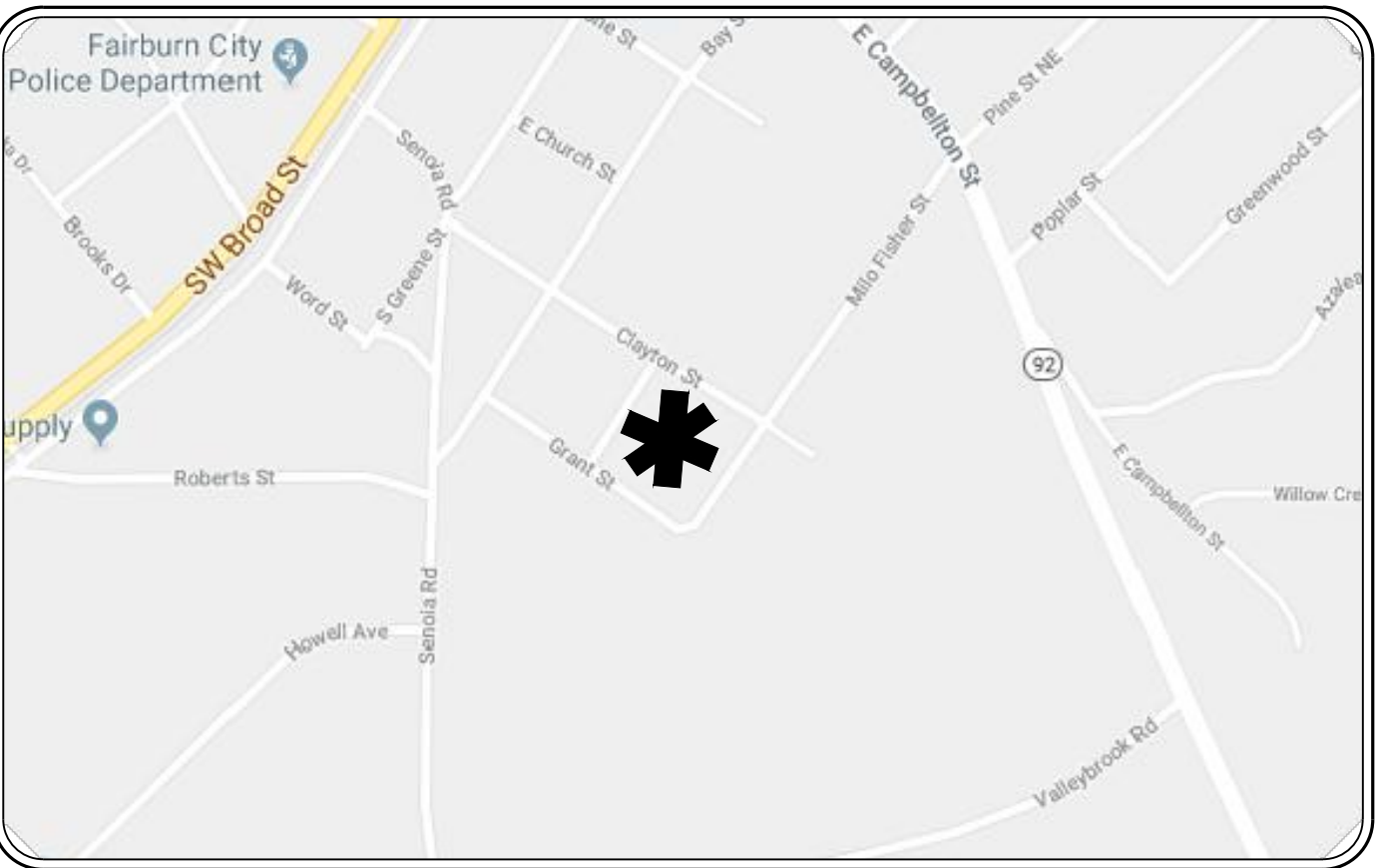
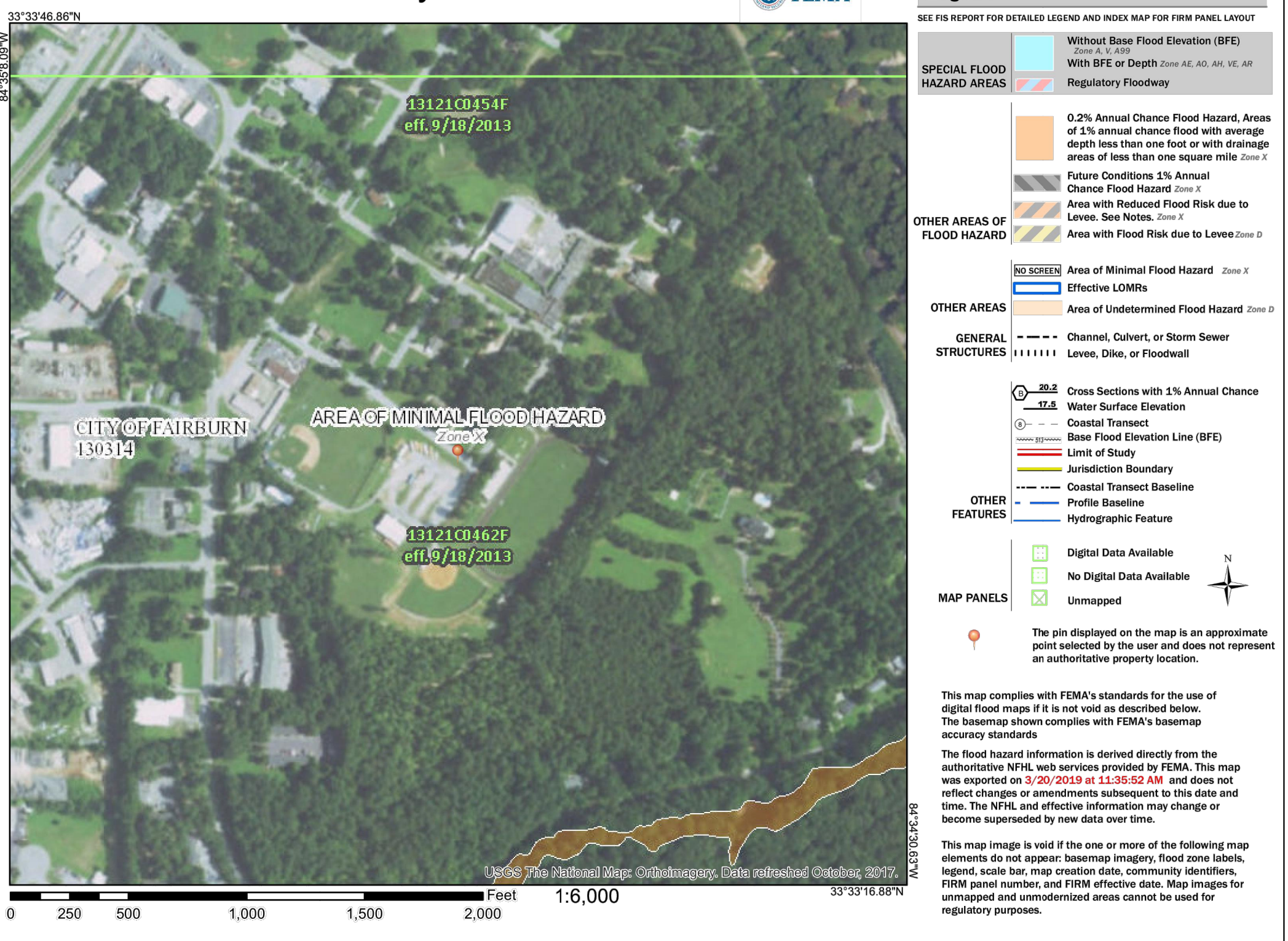
TOTAL ACREAGE: 28.89 AC
DISTURBED ACREAGE: 2.4 AC

FULTON COUNTY, GA
LAND LOT 52; 6th DISTRICT
PARCEL #: 09F100900520100
09F100900520118

BUILDING DATA

BUILDING SQUARE FOOTAGE:
EXISTING: 51978.03 sq. ft.

National Flood Hazard Layer FIRMette



LOCATION MAP

N.T.S.

SHEET INDEX

SHEET NO.	SHEET TITLE
C1.01	COVER SHEET & GENERAL NOTES
C1.02	OVERALL PLAN
C2.01	SITE DEMOLITION PLAN
C3.01	SITE LAYOUT & STAKING PLAN
C4.01	GRADING PLAN
C5.01	UTILITY PLAN
C6.01	UTILITY PROFILES
C7.01	CONSTRUCTION DETAILS I
C7.02	CONSTRUCTION DETAILS II
C7.03	CONSTRUCTION DETAILS III
EC1.0	ES&PC NOTES
EC1.1	ES&PC NOTES
EC2.0	INITIAL ES&PC PLAN
EC2.1	INTERMEDIATE ES&PC PLAN
EC2.2	FINAL ES&PC PLAN
EC3.0	ES&PC DETAILS
EC3.1	ES&PC DETAILS
EC3.2	ES&PC DETAILS
TP1.0	TREE PROTECTION/REPLACEMENT PLAN
TP1.1	TREE PROTECTION DETAILS

NO PORTION OF THIS PROPERTY LIES IN THE FLOOD HAZARD
ZONE AE AS PER THE FULTON COUNTY F.I.R.M. COMMUNITY PANEL
NO.13121CO462F DATED SEPTEMBER 18TH 2013.

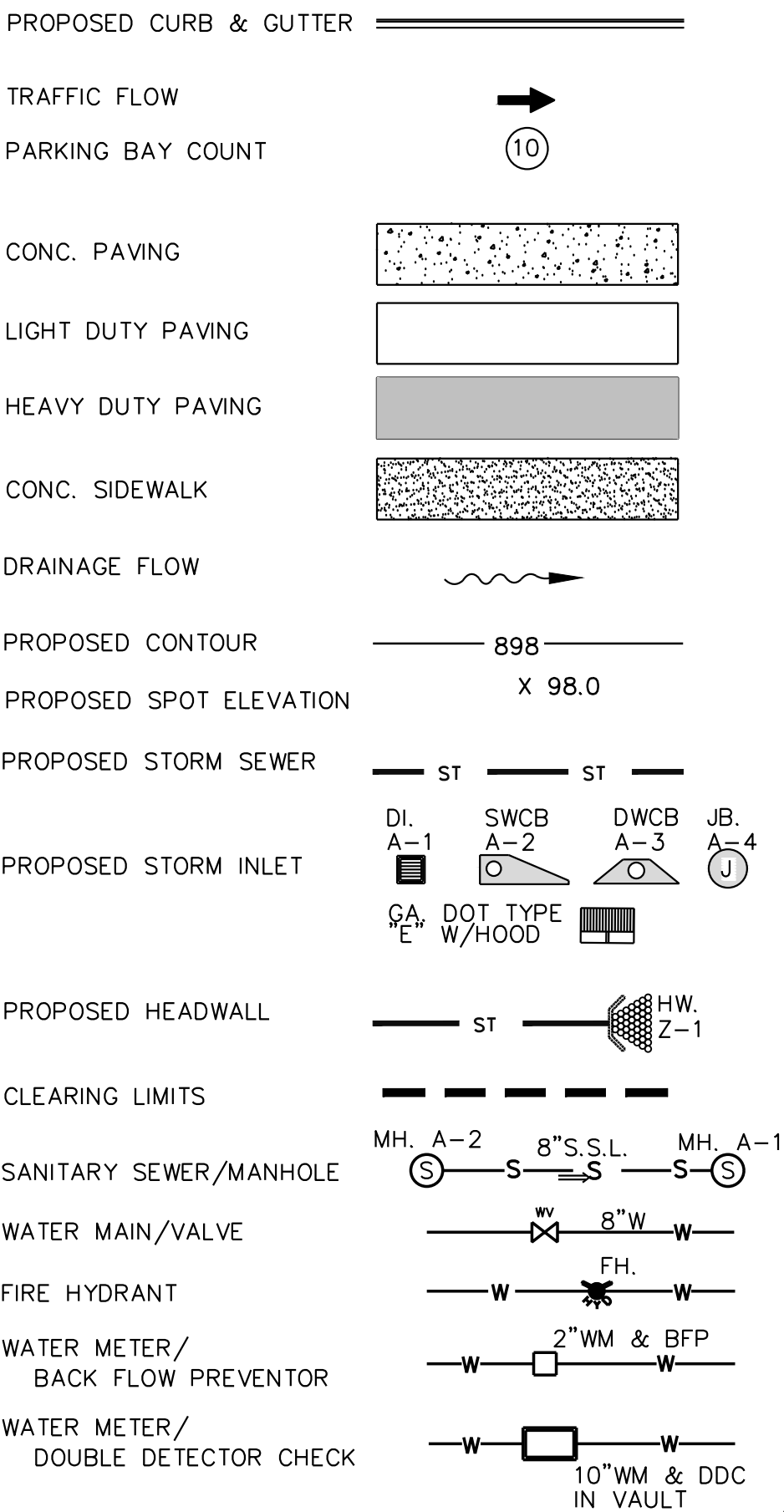
CONSTRUCTION ENTRANCE
GPS LOCATION OF CONSTRUCTION EXITS:
33.5608° N, 84.5785° W

SCOPE OF WORK

THIS INCLUDES REMOVAL OF EXISTING CLASSROOM BUILDINGS
ONSITE AND TO STABILIZE GROUND COVER FOLLOWING
REMOVAL

EBERLY & ASSOCIATES IS NOT RESPONSIBLE FOR N.P.D.E.S. WATER QUALITY MONITORING,
REPORTING OF MONITORING RESULTS TO THE E.P.D., OR RETENTION OF MONITORING &
INSPECTION RECORDS. CONTRACTOR IS RESPONSIBLE FOR RETAINING THE SERVICES OF
QUALIFIED N.P.D.E.S. WATER QUALITY MONITORING PERSONNEL.

LEGEND



GENERAL NOTES

1. THE DISTURBED ACREAGE OF THE SITE IS 2.4 ACRES.
2. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY AND WAYS, MEANS AND METHODS OF CONSTRUCTION.
3. COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES AND OBTAIN ALL NECESSARY LICENSES AND PERMITS.
4. PROJECT BENCHMARK: , EL. XXXX.XX'.
5. VERIFY BUILDING DIMENSIONS FROM ARCHITECTURAL DRAWINGS FOR FIELD STAKING.
6. PROVIDE AND MAINTAIN OFF-STREET PARKING THROUGHOUT CONSTRUCTION IN AREAS DESIGNATED BY THE OWNER.
7. FIELD VERIFY LOCATION AND INVERTS OF EXISTING SANITARY SEWER FOR CONNECTION TO EXISTING SEWER SYSTEM.
8. PROVIDE SIGNING AND STRIPING ACCORDING TO LOCAL JURISDICTION SPECIFICATIONS.
9. PERFORM ALL WORK IN A FINISHED AND WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
10. THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES THAN THOSE SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN. VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. REPAIR ALL DAMAGES MADE TO EXISTING UTILITIES AT NO COST TO THE OWNER.
11. CALL UTILITIES PROTECTION CENTER 811.
12. THE BOUNDARY INFORMATION ON THESE PLANS IS TAKEN FROM FIELD SURVEYS PREPARED BY JACOB & HEFNER ASSOCIATES DATED: 03/05/2019.
13. THE TOPOGRAPHIC INFORMATION ON THESE PLANS IS TAKEN FROM FIELD SURVEYS PREPARED BY JACOB & HEFNER ASSOCIATES DATED: 03/05/2019.
14. PERFORM ALL WORK IN CITY, COUNTY, STATE, AND FEDERAL RIGHTS-OF-WAY IN STRICT CONFORMANCE WITH APPLICABLE STANDARDS AND SPECIFICATIONS OF THE APPROPRIATE GOVERNING AGENCIES.
15. PROVIDE NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY WITHIN THE RIGHT-OF-WAY FOR THE PROTECTION AND THE SAFETY OF THE PUBLIC AND MAINTAIN THROUGHOUT CONSTRUCTION.
16. UNLESS INDICATED OTHERWISE ON THE PLANS, REMOVE AND DISPOSE OF ALL EXISTING IMPROVEMENTS, TREES AND OTHER DEBRIS, WITHIN THE LIMITS OF THE WORK, FROM THE SITE AND DISPOSE OF IN AN APPROVED LANDFILL. DO NOT BURY ANY WASTE MATERIAL ON SITE.
17. FURNISH AND MAINTAIN ANY AND ALL NECESSARY BARRICADES AROUND THE WORK AND PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
18. NOTIFY INSPECTOR 24 HOURS PRIOR TO CONSTRUCTION.
19. INSTALL ALL APPROPRIATE TREE PROTECTION MEASURES PRIOR TO CONSTRUCTION ACTIVITIES.
20. REFER TO TREE PROTECTION PLANS FOR TREE CLEARING LIMITS.
21. VERIFY EXISTING TOPOGRAPHIC DATA, LOCATIONS OF EXISTING UTILITIES, AND ALL OTHER SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
22. CUT AND FILL SLOPES 2:1 OR FLATTER (SEE PLANS).
23. GRASS AND RIP RAP ALL OPEN DRAINAGE SWALES AS NECESSARY TO CONTROL EROSION.
24. STRIP AND STOCKPILE TOPSOIL. SPREAD 4" OF TOPSOIL ON LANDSCAPE AREAS AND REMOVE EXCESS TOPSOIL FROM SITE. PREPARE SUB GRADE FOR PAVEMENT AND CURBS AND BACK FILL CURBS AFTER CURB CONSTRUCTION.
25. PROVIDE SUPPLY OF TOPSOIL FOR LANDSCAPE CONTRACTOR FOR INSTALLATION IN ALL LANDSCAPE ISLANDS.
26. PROVIDE AND INSTALL TOPSOIL IN DISTURBED AREAS TO BE GRASSED, TO INCLUDE PAVEMENT SHOULDERS AND DETENTION AREAS.
27. CONFINE OFF-SITE ACTIVITIES TO EXISTING RIGHTS OF WAY AND EASEMENTS.
28. CONNECT TO EXISTING UTILITIES AND INSTALL UTILITIES IN COMPLIANCE WITH REQUIREMENTS OF APPROPRIATE JURISDICTIONAL AGENCIES.
29. COORDINATE WITH BUILDING PLUMBING PLANS TO ASSURE ACCURACY OF UTILITY CONNECTIONS AND COMPLIANCE WITH LOCAL CODES.
30. INSTALL GATE VALVES IN HEAVY DUTY ROADWAY VALVE BOXES FOR ALL WATER VALVES.
31. AT COMPLETION OF SEWER AND WATER CONSTRUCTION, SET ALL MANHOLES, VALVE BOXES, METERS AND APPURTENANCES FOR PROPER FINISH GRADE. NOTICEABLY STAKE AND FLAG. SITE UTILITY SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE ABOVE ITEMS UNTIL SYSTEM IS ACCEPTED BY OWNER.
32. INSTALL HYDRANTS AND MAINS UNDER PRESSURE BEFORE ANY COMBUSTIBLE CONSTRUCTION IS STARTED.
33. DEVIATIONS FROM THESE PLANS AND NOTES WITHOUT PRIOR CONSENT OF THE OWNER OR HIS REPRESENTATIVE MAY CAUSE THE WORK TO BE UNACCEPTABLE.
34. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO COVER A COMPLETE PROJECT. READY TO USE. FURNISH AND INSTALL ALL ITEMS NECESSARY FOR A COMPLETE AND WORKABLE JOB.
35. CHECK ALL BUILDING DIMENSIONS AND COORDINATE WITH THE ARCHITECTURAL PLANS.
36. PAINT PAVEMENT MARKING, INCLUDING STANDARD HANDICAP SYMBOLS, PARKING STRIPING AND TRAFFIC ARROWS, ON PAVEMENT AT LOCATIONS SHOWN. SEE PAVEMENT MARKING DETAIL.
37. PROVIDE BOLLARDS AT LOCATIONS SHOWN, AND AROUND TRANSFORMERS, GAS METERS, AND OTHER UTILITIES IN VULNERABLE TRUCK AREAS.
38. INSTALL SEDIMENTATION AND EROSION CONTROL MEASURES PRIOR TO CLEARING GRADING AND DEMOLITION WORK. MAINTAIN ALL SEDIMENTATION AND EROSION CONTROL MEASURES UNTIL ACCEPTANCE OF THE SITE BY THE OWNER.
39. ALL GRADING AND SITE PREPARATION SHALL CONFORM WITH SPECIFICATIONS CONTAINED IN REPORT OF GEOTECHNICAL INVESTIGATION PREPARED BY DATED.
40. ON-SITE FIRE PROTECTION SYSTEM LAYOUTS ARE SHOWN FOR LAND DISTURBANCE PERMIT INFORMATION ONLY. PROVIDE FINAL DESIGN AND PERMIT FROM THE FIRE PROTECTION CONTRACTOR. INSTALL VAULTS, METERS, MAINS, HYDRANTS, AND APPURTENANCES ONLY AFTER FIRE DEPARTMENT APPROVAL OF THE FIRE PROTECTION CONTRACTOR'S PLANS.
41. ALL FIRE PROTECTION SYSTEMS SHALL COMPLY WITH NFPA SECTION 6.6 REGARDING SECTIONAL VALVES UNLESS OTHERWISE SPECIFIED BY THE FIRE PROTECTION ENGINEER.

OWNER/DEVELOPER
LANDMARK CHRISTIAN SCHOOL
50 SE BROAD STREET
FAIRBURN, GA 30213
(770) 306-0647

ENGINEER
ANTONIO SAMPLE, E.I.T.
EBERLY & ASSOCIATES, INC.
2951 FLOWERS RD S,
SUITE 119
ATLANTA, GEORGIA 30341
(770) 452-7849

24 HOUR CONTACT
SARAH MCCrackEN
(404) 966-3350

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Landmark Christian High School
Landmark Christian School

COVER SHEET & GENERAL
NOTES

KEVIN EDWARDS

Principal-in-Charge

ANTONIO SAMPLE

Project Manager

ANTONIO SAMPLE

Project Engineer

Staff Engineer

19-033

Project No.

03/25/2019

Date

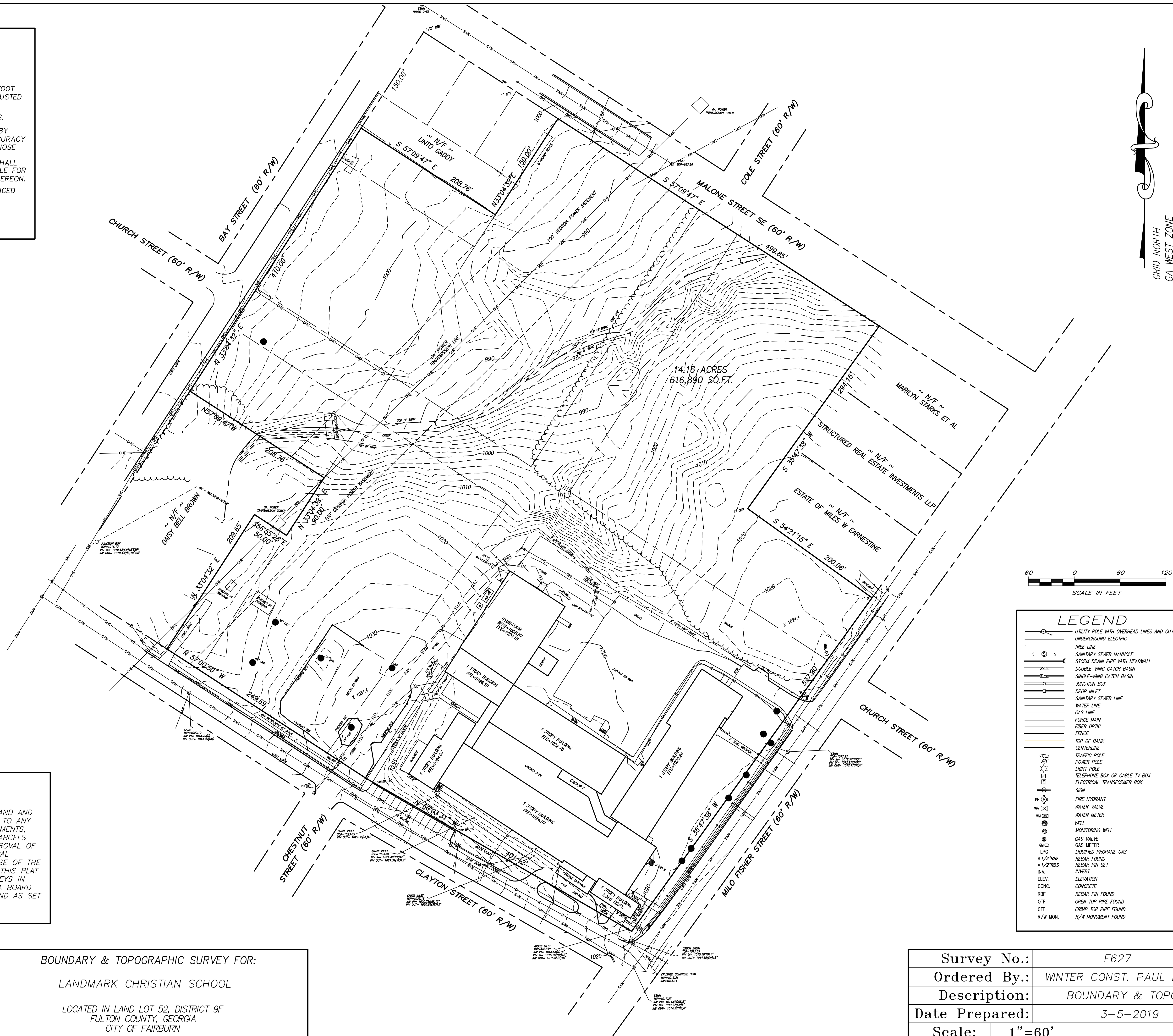
C1.01

Drawn By

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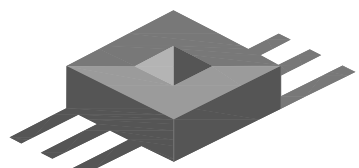
SURVEYOR'S NOTES

1. THE FIELD DATA ON WHICH THIS PLAT IS BASED WAS COMPLETED ON FEBRUARY 28, 2019
2. THE FIELD DATA ON WHICH THIS PLAT IS BASED HAS A CLOSURE OF ONE FOOT IN 97,139 FEET AND AN ANGULAR ERROR OF 1" PER ANGLE, AND WAS ADJUSTED USING LEAST SQUARES.
3. UNDERGROUND UTILITY MARKINGS (PAINT) WERE PROVIDED BY RHD SERVICES.
4. LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES ARE PROVIDED BY VISIBLE ACCESSIBLE FIELD EVIDENCE. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS SURVEY. UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS CONSULTANTS, AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THIS SURVEYOR IS NOT RESPONSIBLE FOR THE SUFFICIENCY OF THE UNDERGROUND UTILITY INFORMATION PROVIDED HEREON.
5. ELEVATIONS WERE DETERMINED THROUGH GPS OBSERVATIONS AND REFERENCED TO NAVD88.



GEORGIA SURVEYOR CERTIFICATION

THIS PLAT IS A RETRACEMENT OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT SUBDIVIDE OR CREATE A NEW PARCEL OR MAKE ANY CHANGES TO ANY REAL PROPERTY BOUNDARIES. THE RECORDING INFORMATION OF THE DOCUMENTS, MAPS, PLATS OR OTHER INSTRUMENTS WHICH CREATED THE PARCEL OR PARCELS ARE STATED HEREON. RECORDATION OF THIS PLAT DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION, AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. FURTHERMORE, THE UNDERSIGNED LAND SURVEYOR CERTIFIES THAT THIS PLAT COMPLIES WITH THE MINIMUM TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN THE RULES AND REGULATIONS OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN O.C.G.A. SECTION 15-6-67.



JACOB & HEFNER ASSOCIATES

3440 Blue Springs Road NW, Suite 503-K, Kennesaw, GA 60515
PHONE: (678) 569-2418, FAX: (630) 652-4601
www.jacobandhefner.com

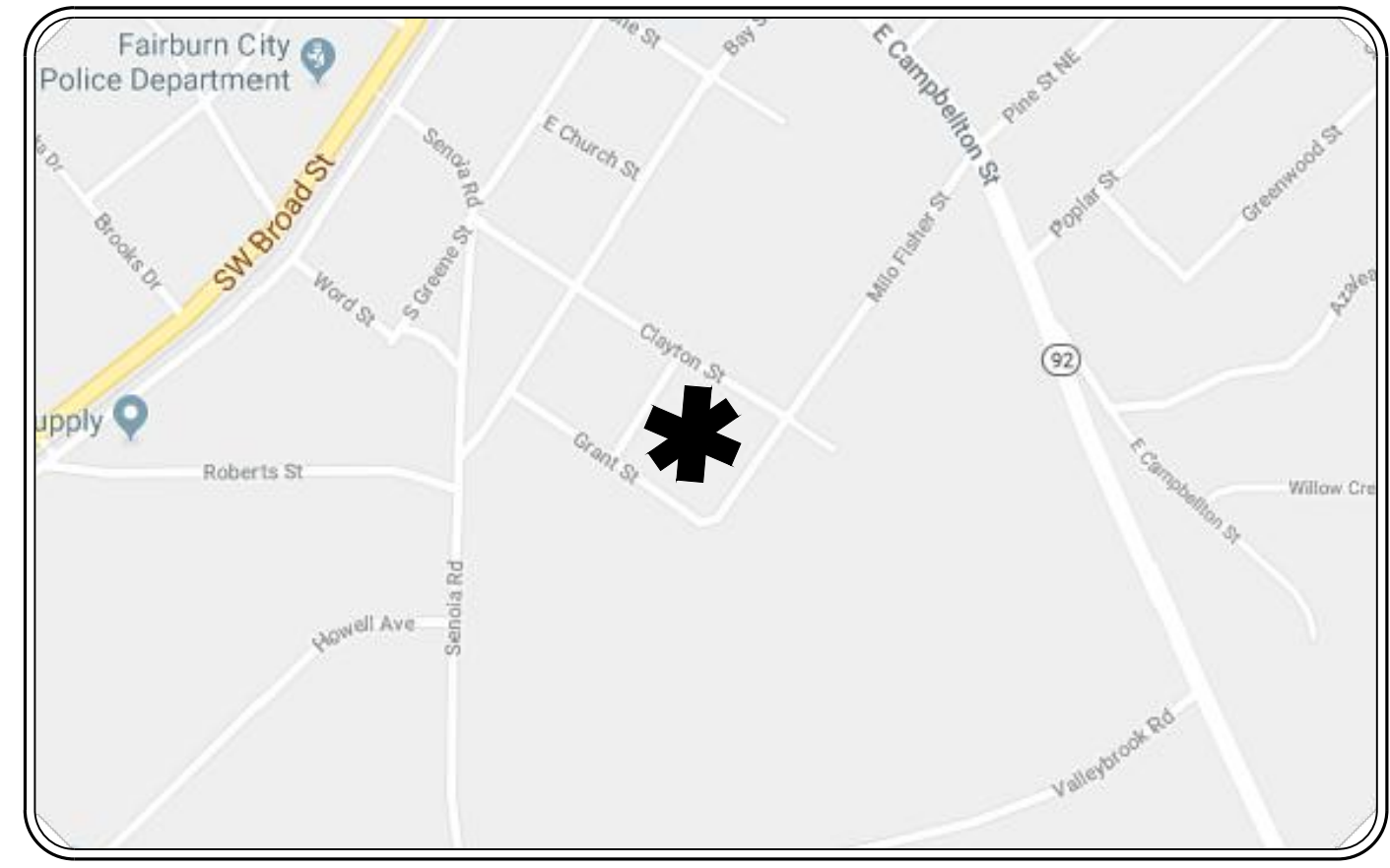
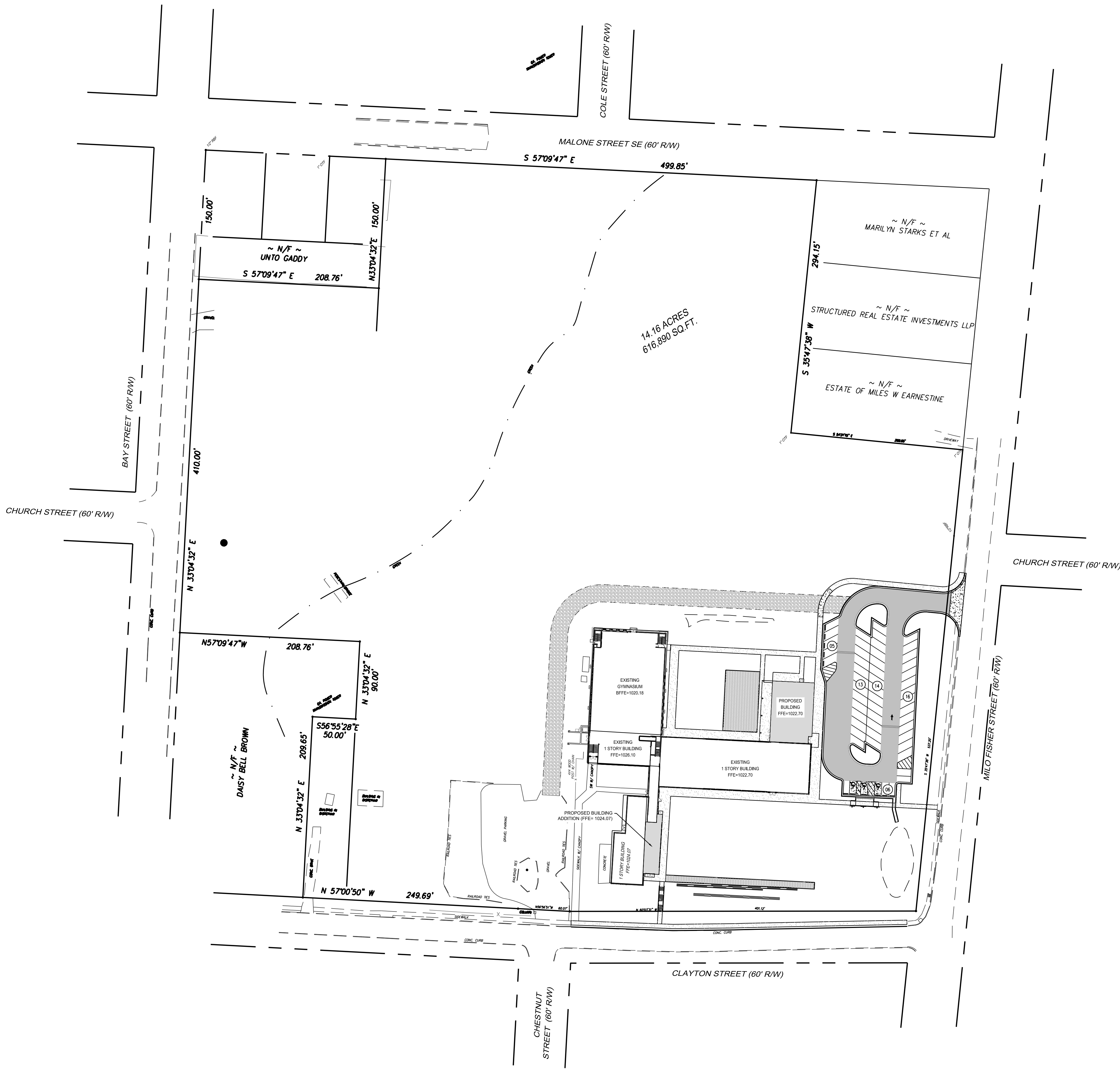
BOUNDARY & TOPOGRAPHIC SURVEY FOR:

LANDMARK CHRISTIAN SCHOOL

LOCATED IN LAND LOT 52, DISTRICT 9F
FULTON COUNTY, GEORGIA
CITY OF FAIRBURN

Survey No.:	F627
Ordered By.:	WINTER CONST. PAUL MILEY
Description:	BOUNDARY & TOPO
Date Prepared:	3-5-2019
Scale:	1"=60'

PROJECT NUMBER: 20160286 PROJECT NAME: Jonesboro High School DOE Facility Code XXX-XXXX FTE-1462
C:\Users\evansaada\Documents\20160286 - Jonesboro existing building_2015_2016-09-08_central_evansaada.dwg
11/3/2017 4:14:56 PM

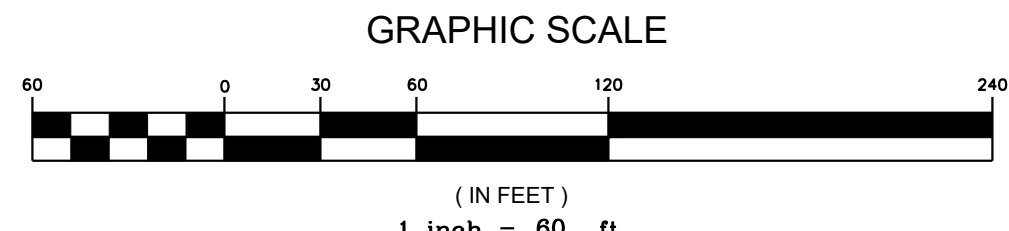


LOCATION MAP
N.T.S.

OWNER/DEVELOPER
LANDMARK CHRISTIAN SCHOOL
50 SE BROAD STREET
FAIRBURN, GA 30213
(770) 306-0647

ENGINEER
ANTONIO SAMPLE, E.I.T.
EBERLY & ASSOCIATES, INC.
2951 FLOWERS RD S,
SUITE 119
ATLANTA, GEORGIA 30341
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24 HOUR CONTACT
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ISSUANCES		
No.	Drawing Issue	Date
1	DEMO SUBMITTAL	04/26/19

Landmark Christian School
Renovations

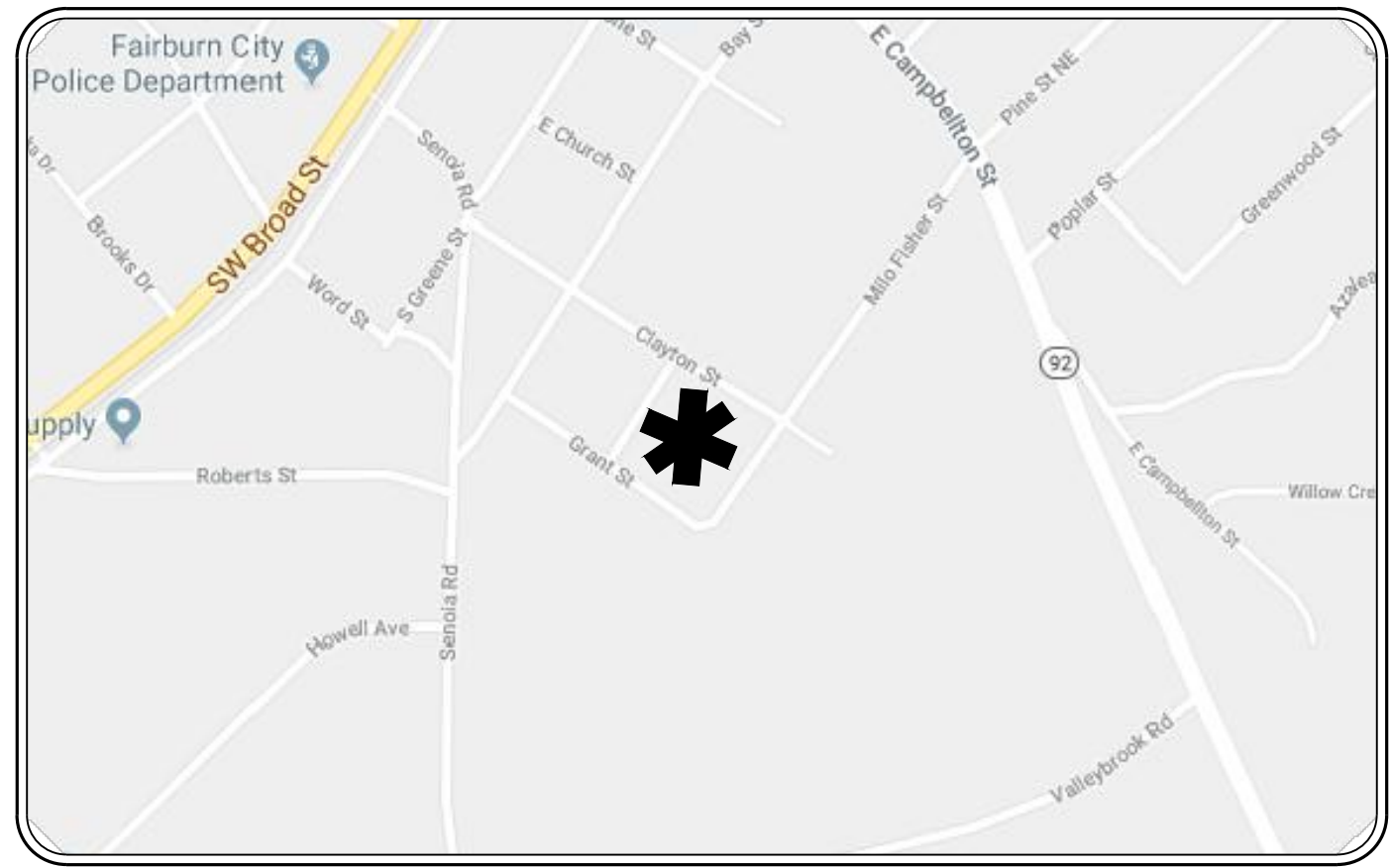
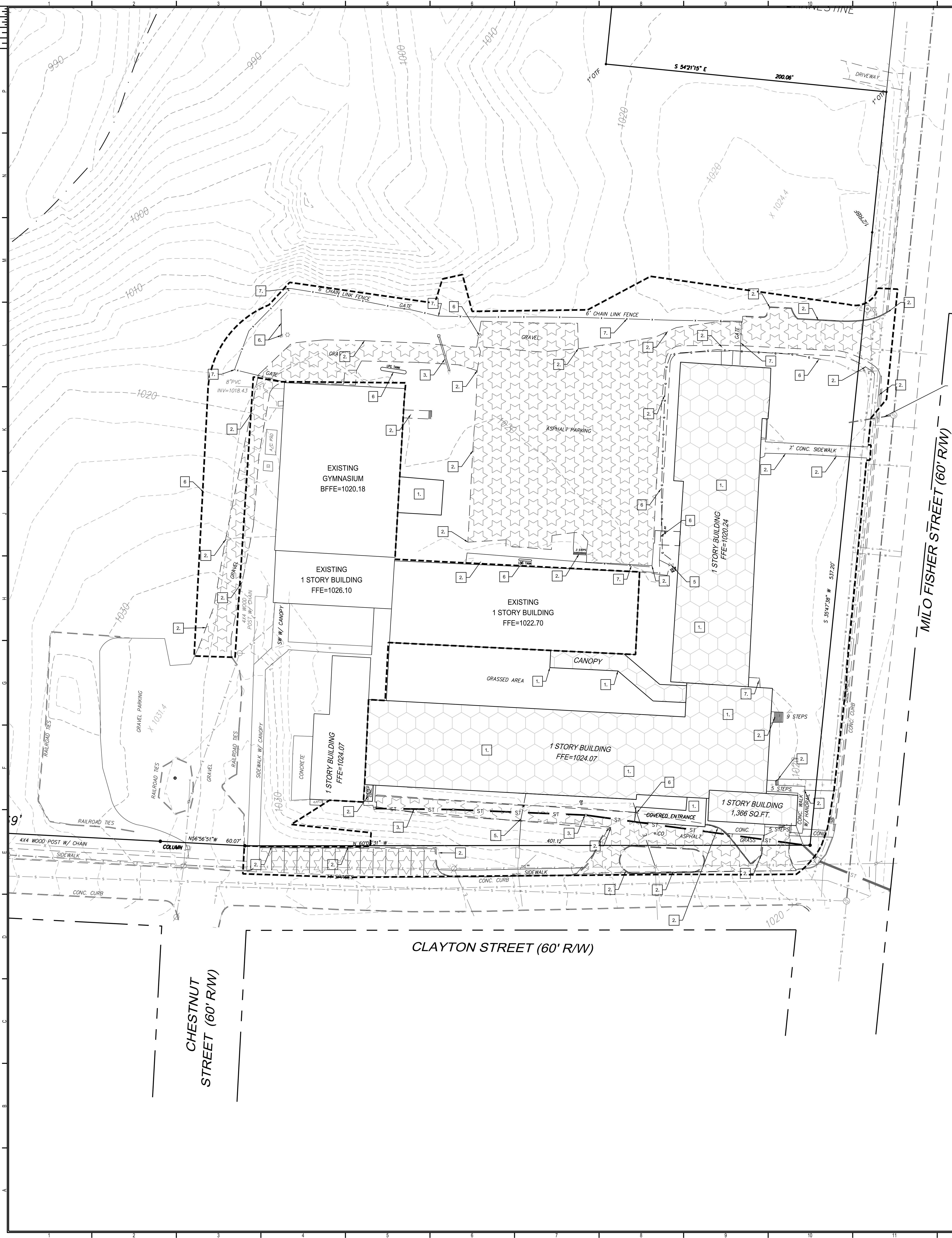
Landmark Christian High School
Landmark Christian School

OVERALL LAYOUT PLAN

KEVIN EDWARDS Principal in Charge	19-033 Project No.
ANTONIO SAMPLE Project Manager	03/25/2019 Date
ANTONIO SAMPLE Project Engineer	
Staff Engineer	

C1.02

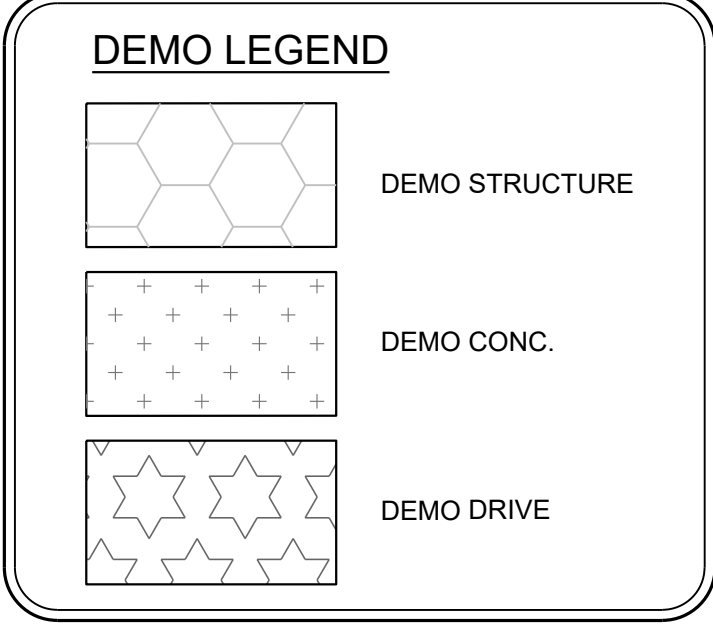
PROJECT NUMBER: 20160286 PROJECT NAME: Jonesboro High School DOE Facility Code XXX-XXXX FTE-1462
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LOCATION MAP
N.T.S.

- NOTES**
- DEMOLITION INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING: REMOVAL OF ASPHALT PAVING, EXISTING TREES, POWER LINES, GAS MAINS, WATER LINES, FIRE HYDRANTS, EXISTING SEPTIC TANKS AND DRAIN FIELDS, STORM PIPING, DRAINAGE STRUCTURES, FOUNDATIONS, STRUCTURES, SIDEWALKS, STRIPING, CURB AND GUTTER, LIGHT POLES, AND POWER POLES.
 - COORDINATE WITH REMAINDER OF CONSTRUCTION DOCUMENTS PRIOR TO START OF CONSTRUCTION.
 - EBERLY & ASSOCIATES DOES NOT MAKE ANY REPRESENTATION, WARRANTY, ASSURANCE OR GUARANTEE THAT THE EXISTING UTILITY INFORMATION SHOWN IS CORRECT, ACCURATE OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ARRANGE FOR THE FIELD LOCATION AND PROTECTION OF ALL OVERHEAD AND SUBSURFACE LINES AND FACILITIES WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE EXCAVATION, DEMOLITION OR UTILITY WORK.

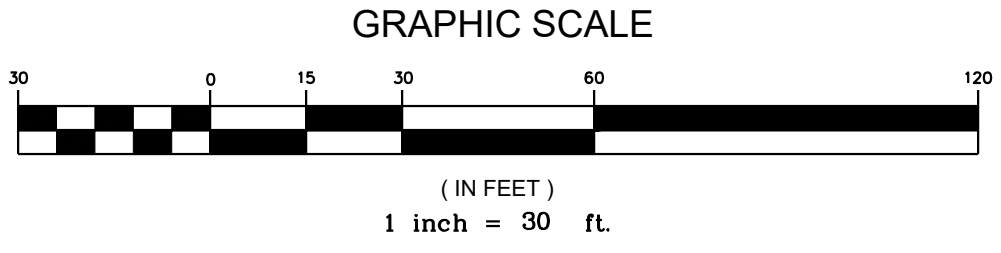
- KEY NOTES:**
- DEMOLISH AND REMOVE EXISTING BUILDING AND BUILDING STRUCTURES
 - DEMOLISH AND REMOVE EXISTING PAVEMENT, CONCRETE PAD, CURB, GUTTER, SIDEWALKS, GRAVEL PATH AND STAIRS.
 - DEMOLISH AND REMOVE EXISTING STORM PIPES AND/OR STRUCTURE
 - DEMOLISH AND REMOVE EXISTING SANITARY SEWER PIPES AND/OR STRUCTURES
 - DEMOLISH AND REMOVE EXISTING WATER LINE, VALVES AND HYDRANT.
 - DEMOLISH EXISTING UTILITIES & UTILITY POLES. COORDINATE WITH REMAINDER OF THE PLANS FOR REPLACEMENT OR RELOCATION.
 - REMOVE EXISTING FENCE AND COORDINATE WITH REMAINDER OF THE PLANS FOR REPLACEMENT OR RELOCATION.



OWNER/DEVELOPER
LANDMARK CHRISTIAN SCHOOL
50 SE BROAD STREET
FAIRBURN, GA 30213
(770) 306-0647

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1	DEMO SUBMITTAL	04/26/19

Landmark Christian School
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Landmark Christian High School
Landmark Christian School

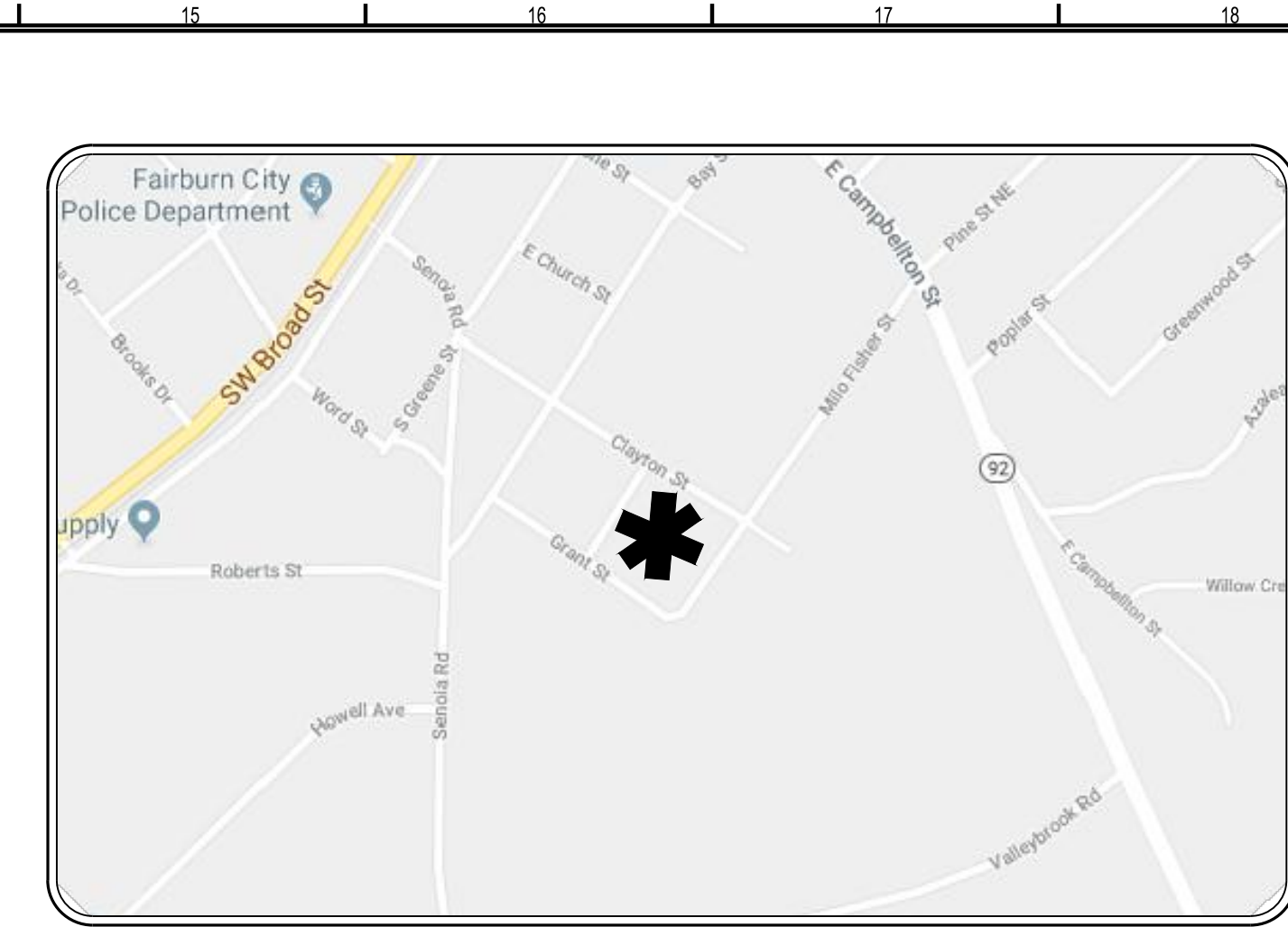
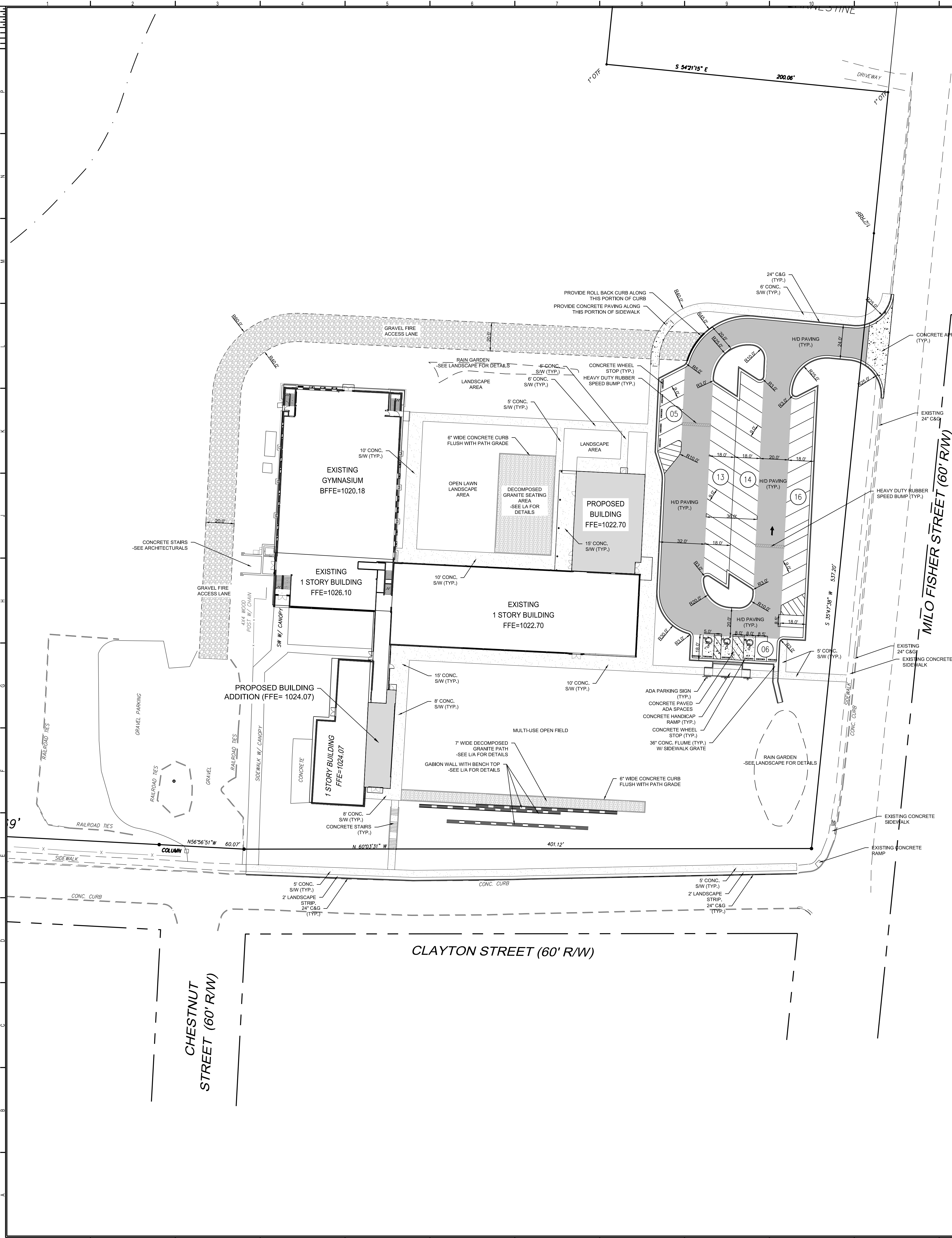
**SITE DEMOLITION
PLAN**

KEVIN EDWARDS Principal in Charge	19-033
ANTONIO SAMPLE Project Manager	Project No. 03/25/2019
ANTONIO SAMPLE Project Engineer	Date
Staff Engineer	

C2.01

NOT ISSUED FOR CONSTRUCTION

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LOCATION MAP
N.T.S.

NOTES

1. USE ARCHITECTURAL PLANS FOR BUILDING STAKE OUT.
2. ALL DIMENSIONS SHOWN ARE FROM FACE OF BUILDING, CURB, OR WALL UNLESS OTHERWISE NOTED.

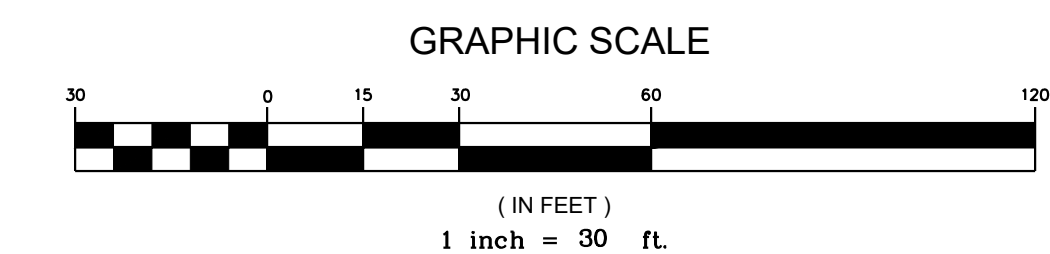
PAVING LEGEND

	L.D. ASPHALT
	CONCRETE PAVING
	H.D. ASPHALT
	GRAVEL PAVED DRIVE
	CONCRETE SW
	DECOMPOSED GRANITE

OWNER/DEVELOPER
LANDMARK CHRISTIAN SCHOOL
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ISSUANCES		
No.	Drawing Issue	Date
1	DEMO SUBMITTAL	04/26/19

Landmark Christian School
Renovations

Landmark Christian High School
Landmark Christian School

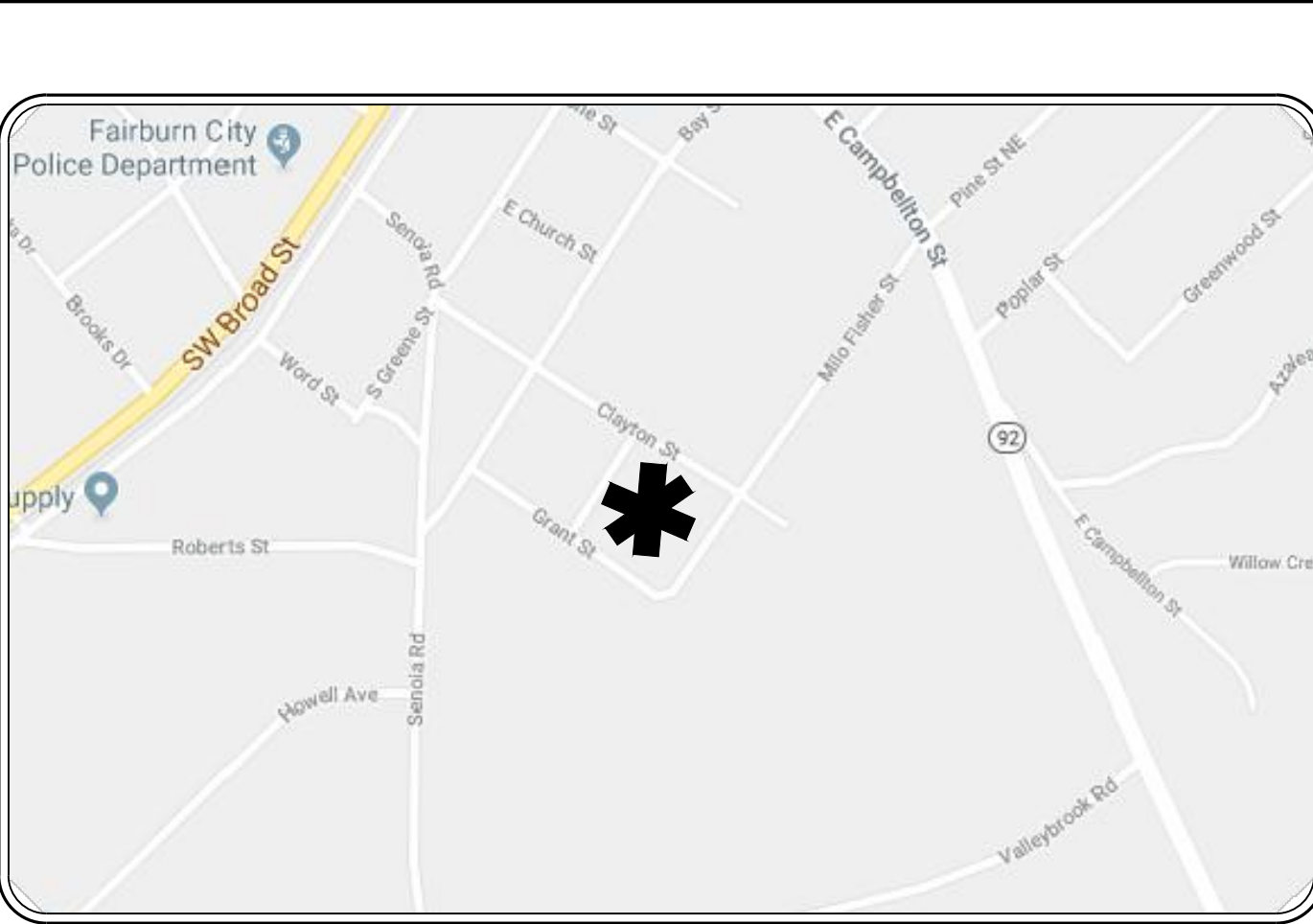
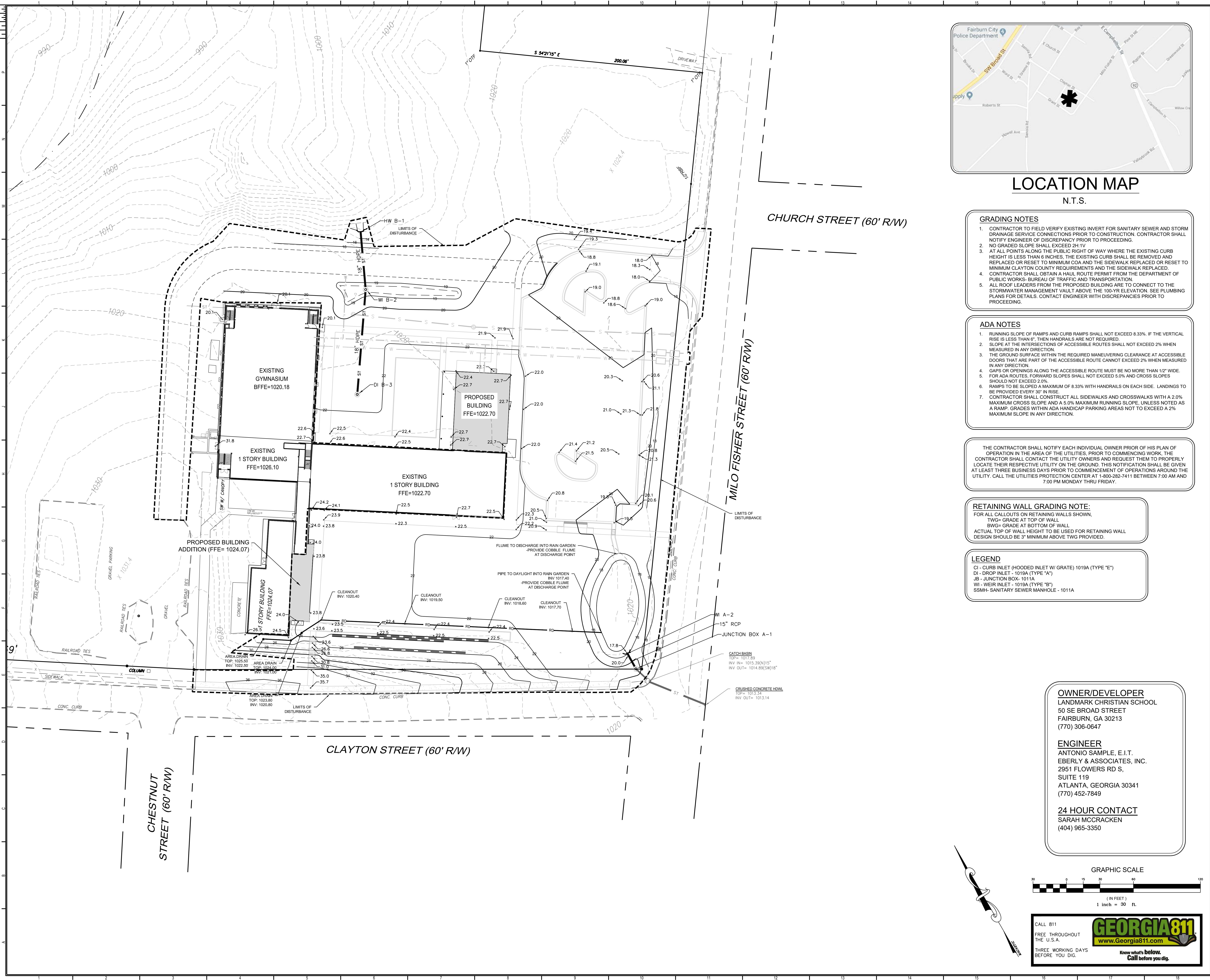
SITE LAYOUT &
STAKING PLAN

KEVIN EDWARDS Principal-in-Charge	19-033 Project No.
ANTONIO SAMPLE Project Manager	03/25/2019 Date
ANTONIO SAMPLE Project Engineer	
Staff Engineer	

C3.01

NOT ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20160286 PROJECT NAME: Jonesboro High School DOE Facility Code XXX-XXXX FTE-1462
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LOCATION MAP
N.T.S.

- GRADING NOTES**
1. CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER AND STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
 2. NO GRADED SLOPE SHALL EXCEED 2%.
 3. AT ALL POINTS ALONG THE PUBLIC RIGHT OF WAY WHERE THE EXISTING CURB HEIGHT IS LESS THAN 6 INCHES, THE EXISTING CURB SHALL BE REMOVED AND REPLACED OR RESET TO MINIMUM COA AND THE SIDEWALK REPLACED OR RESET TO MINIMUM CLAYTON COUNTY REQUIREMENTS AND THE SIDEWALK REPLACED.
 4. CONTRACTOR SHALL OBTAIN A HAUL ROUTE PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS- BUREAU OF TRAFFIC AND TRANSPORTATION.
 5. ALL ROOF LEADERS FROM THE PROPOSED BUILDING ARE TO CONNECT TO THE STORMWATER MANAGEMENT VAULT ABOVE THE 100-YR ELEVATION. SEE PLUMBING PLANS FOR DETAILS. CONTACT ENGINEER WITH DISCREPANCIES PRIOR TO PROCEEDING.

- ADA NOTES**
1. RUNNING SLOPE OF RAMPS AND CURB RAMPS SHALL NOT EXCEED 8.33% IF THE VERTICAL RISE IS LESS THAN 6". THEN HANDRAILS ARE NOT REQUIRED.
 2. SLOPE AT THE INTERSECTIONS OF ACCESSIBLE ROUTES SHALL NOT EXCEED 2% WHEN MEASURED IN ANY DIRECTION.
 3. THE GROUND SURFACE WITHIN THE REQUIRED MANEUVERING CLEARANCE AT ACCESSIBLE DOORS THAT ARE PART OF THE ACCESSIBLE ROUTE CANNOT EXCEED 2% WHEN MEASURED IN ANY DIRECTION.
 4. GAPS OR OPENINGS ALONG THE ACCESSIBLE ROUTE MUST BE NO MORE THAN 1/2" WIDE.
 5. FOR ADA ROUTES, FORWARD SLOPES SHALL NOT EXCEED 5.0% AND CROSS SLOPES SHOULD NOT EXCEED 2.0%.
 6. RAMPS TO BE SLOPED A MAXIMUM OF 8.33% WITH HANDRAILS ON EACH SIDE. LANDINGS TO BE PROVIDED EVERY 30' IN RISE.
 7. CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS AND CROSSWALKS WITH A 2.0% MAXIMUM CROSS SLOPE AND A 5.0% MAXIMUM RUNNING SLOPE, UNLESS NOTED AS A RAMP. GRADES WITHIN ADA HANDICAP PARKING AREAS NOT TO EXCEED A 2% MAXIMUM SLOPE IN ANY DIRECTION.

THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL OWNER PRIOR OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES, PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY. CALL THE UTILITIES PROTECTION CENTER AT 1-800-282-7411 BETWEEN 7:00 AM AND 7:00 PM MONDAY THRU FRIDAY.

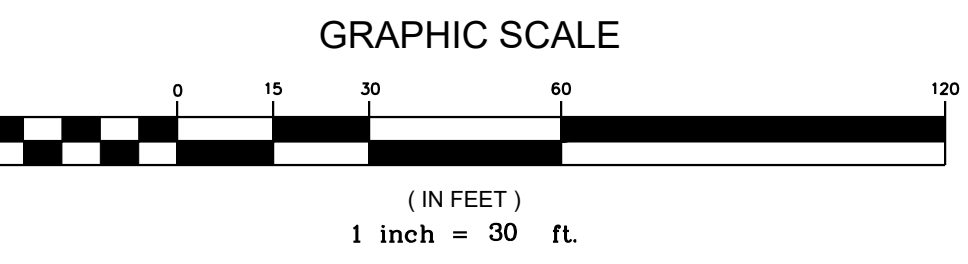
RETAINING WALL GRADING NOTE:
FOR ALL CALLOUTS ON RETAINING WALLS SHOWN,
TWG= GRADE AT TOP OF WALL
BWG= GRADE AT BOTTOM OF WALL
ACTUAL TOP OF WALL HEIGHT TO BE USED FOR RETAINING WALL DESIGN SHOULD BE 3" MINIMUM ABOVE TWG PROVIDED.

- LEGEND**
- CI - CURB INLET (HOODED INLET W/ GRATE) 1019A (TYPE "E")
 - DI - DROP INLET - 1019A (TYPE "A")
 - JB - JUNCTION BOX - 1011A
 - WI - WEIR INLET - 1019A (TYPE "B")
 - SSMH- SANITARY SEWER MANHOLE - 1011A

OWNER/DEVELOPER
LANDMARK CHRISTIAN SCHOOL
50 SE BROAD STREET
FAIRBURN, GA 30213
(770) 306-0647

ENGINEER
ANTONIO SAMPLE, E.I.T.
EBERLY & ASSOCIATES, INC.
2951 FLOWERS RD S,
SUITE 119
ATLANTA, GEORGIA 30341
(770) 452-7849

24 HOUR CONTACT
SARAH MCCracken
(404) 965-3350



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THE U.S.A.
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EBERLY & ASSOCIATES
TEL: 770.452.7849 FAX: 770.452.0086
2951 FLOWERS RD S, SUITE 119
ATLANTA, GEORGIA 30341
WWW.EBERLY.NET

ISSUANCES		
No.	Drawing Issue	Date
1	DEMO SUBMITTAL	04/26/19

Landmark Christian School
Renovations

Landmark Christian High School
Landmark Christian School

GRADING PLAN

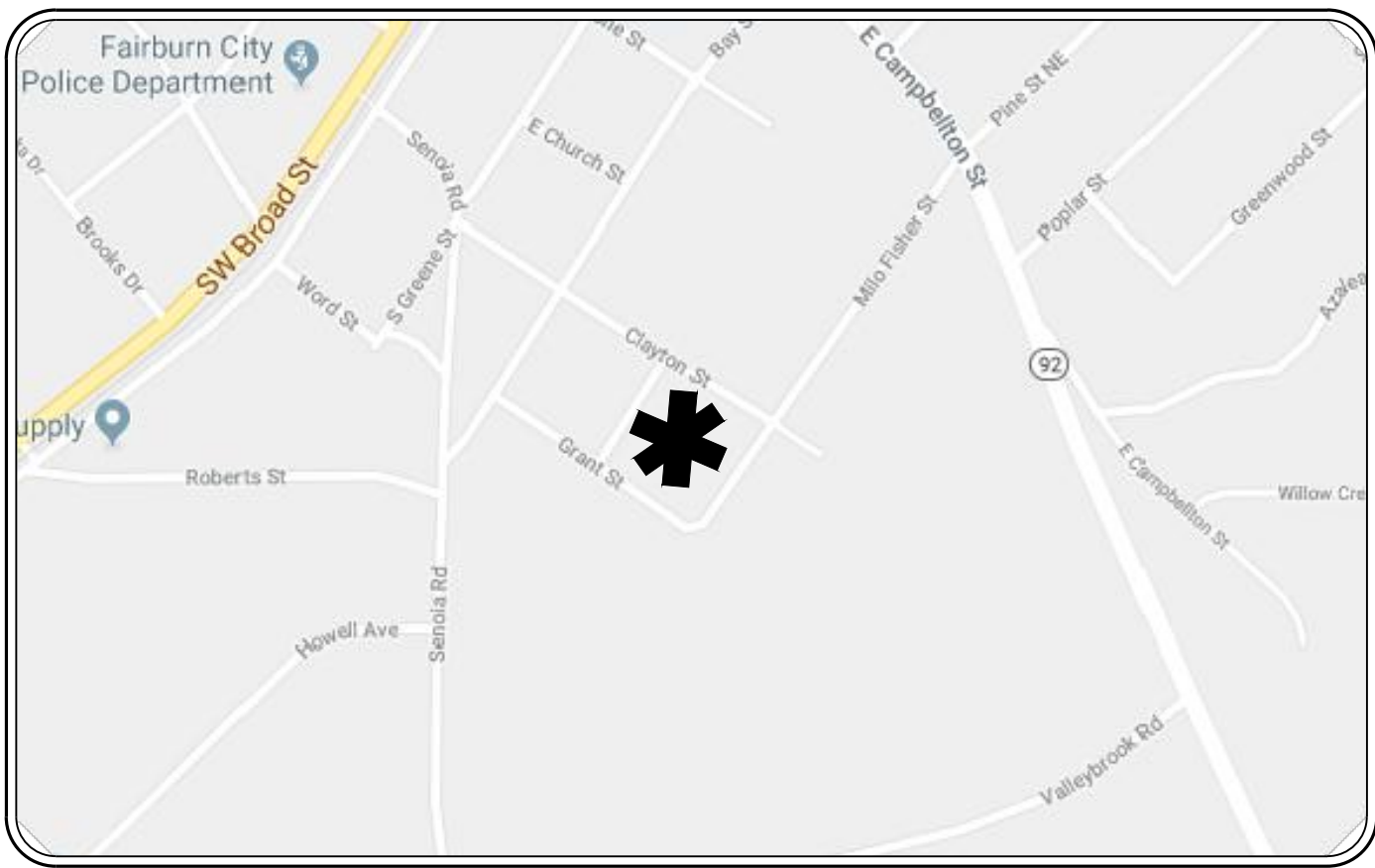
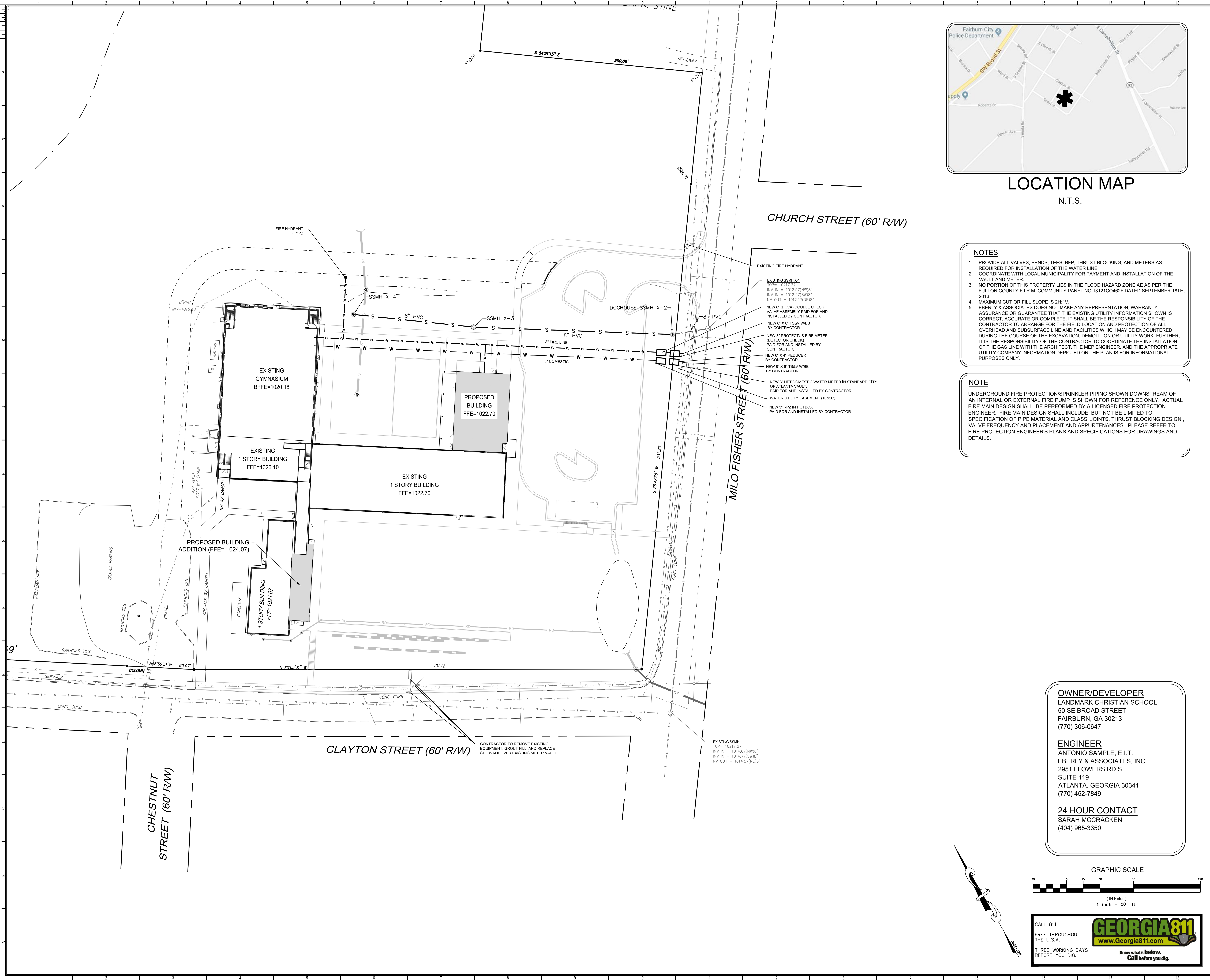
KEVIN EDWARDS
Principal in Charge
ANTONIO SAMPLE
Project Manager
ANTONIO SAMPLE
Project Engineer
Staff Engineer

19-033
Project No.
03/25/2019
Date

C4.01

NOT ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20160286 PROJECT NAME: Jonesboro High School DOE Facility Code XXX-XXXX FTE-1462
C:\Users\evansaada\Documents\20160286 - Jonesboro existing building_2015_2016-09-08_central_evansaada.dwg
11/3/2017 4:14:56 PM



LOCATION MAP
N.T.S.

- NOTES**
1. PROVIDE ALL VALVES, BENDS, TEES, BFP, THRUST BLOCKING, AND METERS AS REQUIRED FOR INSTALLATION OF THE WATER LINE.
 2. COORDINATE WITH LOCAL MUNICIPALITY FOR PAYMENT AND INSTALLATION OF THE VAULT AND METER.
 3. NO PORTION OF THIS PROPERTY LIES IN THE FLOOD HAZARD ZONE AE AS PER THE FULTON COUNTY F.I.R.M. COMMUNITY PANEL NO. 13121C0462F DATED SEPTEMBER 18TH, 2013.
 4. MAXIMUM CUT OR FILL SLOPE IS 2H:1V.
 5. EBERLY & ASSOCIATES DOES NOT MAKE ANY REPRESENTATION, WARRANTY, ASSURANCE OR GUARANTEE THAT THE EXISTING UTILITY INFORMATION SHOWN IS CORRECT, ACCURATE OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ARRANGE FOR THE FIELD LOCATION AND PROTECTION OF ALL OVERHEAD AND SUBSURFACE LINE AND FACILITIES WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE EXCAVATION, DEMOLITION OR UTILITY WORK. FURTHER, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE INSTALLATION OF THE GAS LINE WITH THE ARCHITECT, THE MEP ENGINEER, AND THE APPROPRIATE UTILITY COMPANY INFORMATION DEPICTED ON THE PLAN IS FOR INFORMATIONAL PURPOSES ONLY.

NOTE

UNDERGROUND FIRE PROTECTION/SPRINKLER PIPING SHOWN DOWNSTREAM OF AN INTERNAL OR EXTERNAL FIRE PUMP IS SHOWN FOR REFERENCE ONLY. ACTUAL FIRE MAIN DESIGN SHALL BE PERFORMED BY A LICENSED FIRE PROTECTION ENGINEER. FIRE MAIN DESIGN SHALL INCLUDE, BUT NOT BE LIMITED TO: SPECIFICATION OF PIPE MATERIAL AND CLASS, JOINTS, THRUST BLOCKING DESIGN, VALVE FREQUENCY AND PLACEMENT AND APPURTENANCES. PLEASE REFER TO FIRE PROTECTION ENGINEER'S PLANS AND SPECIFICATIONS FOR DRAWINGS AND DETAILS.

OWNER/DEVELOPER
LANDMARK CHRISTIAN SCHOOL
50 SE BROAD STREET
FAIRBURN, GA 30213
(770) 306-0647

ENGINEER
ANTONIO SAMPLE, E.I.T.
EBERLY & ASSOCIATES, INC.
2951 FLOWERS RD S,
SUITE 119
ATLANTA, GEORGIA 30341
(770) 452-7849

24 HOUR CONTACT
SARAH MCCrackEN
(404) 965-3350

GRAPHIC SCALE
1 inch = 30 ft.

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ISSUANCES		
No.	Drawing Issue	Date
1	DEMO SUBMITTAL	04/26/19

Landmark Christian School
Renovations

Landmark Christian High School
Landmark Christian School

SITE UTILITY PLAN

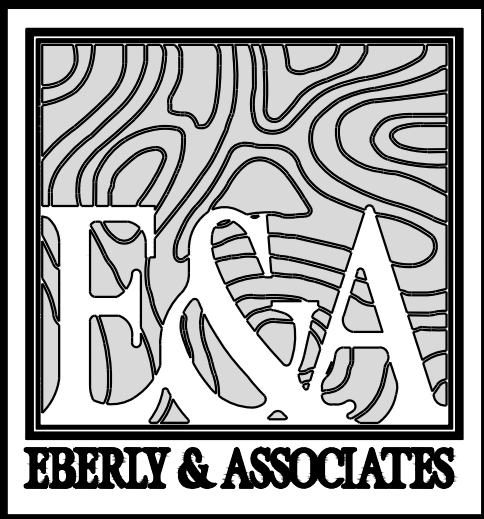
KEVIN EDWARDS
Principal-in-Charge
ANTONIO SAMPLE
Project Manager
ANTONIO SAMPLE
Project Engineer
Staff Engineer

19-033
Project No.
03/25/2019
Date

C5.01

NOT ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20160286 PROJECT NAME: Jonesboro High School DOE Facility Code XXX-XXXX FTE-1462
C:\Users\evansaada\Documents\20160286 - Jonesboro existing building_2015_2016-09-08_central_evansaada.dwg
11/3/2017 4:14:56 PM



TEL 770.452.7849 FAX 770.452.0086
2951 FLOWERS RD. S. SUITE 119
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ISSUANCES		
No.	Drawing Issue	Date
1	DEMO SUBMITTAL	04/26/19

Landmark Christian School
Renovations

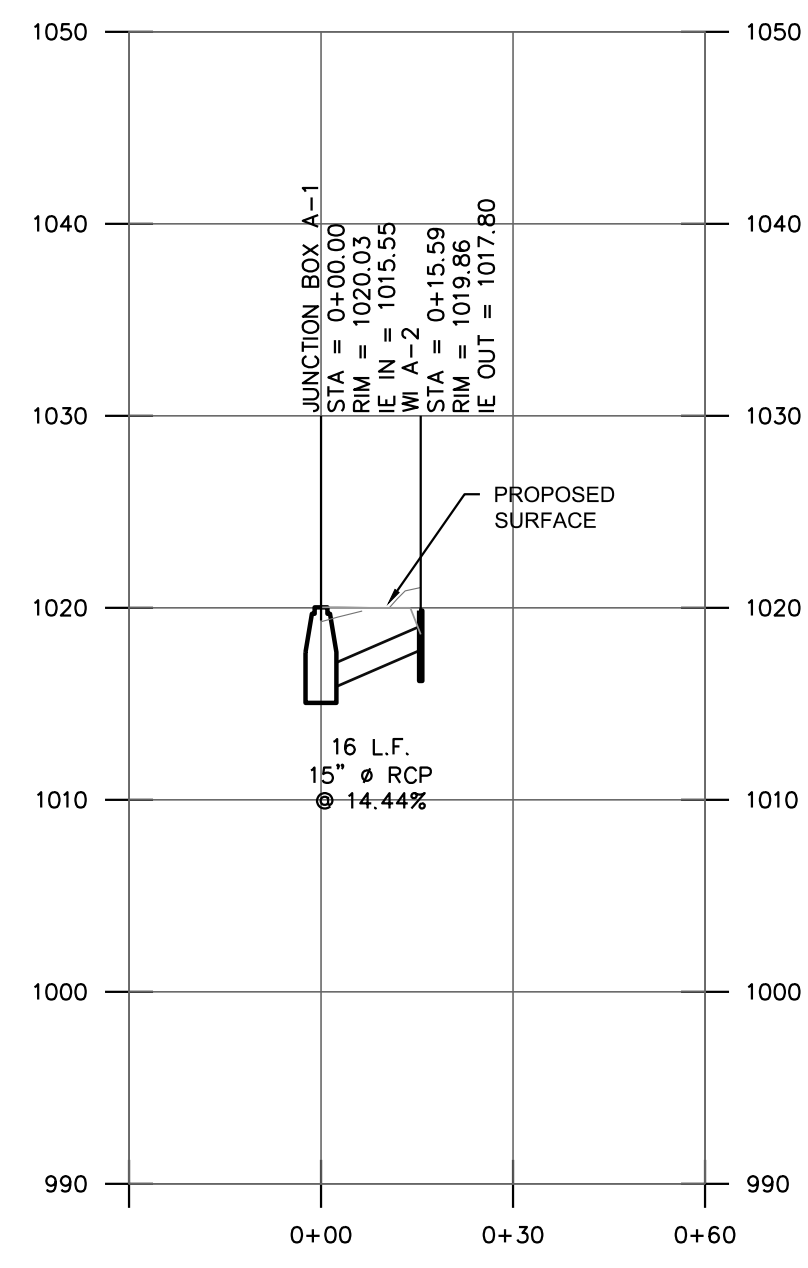
Landmark Christian High School
♦
Landmark Christian School

UTILITY
PROFILES

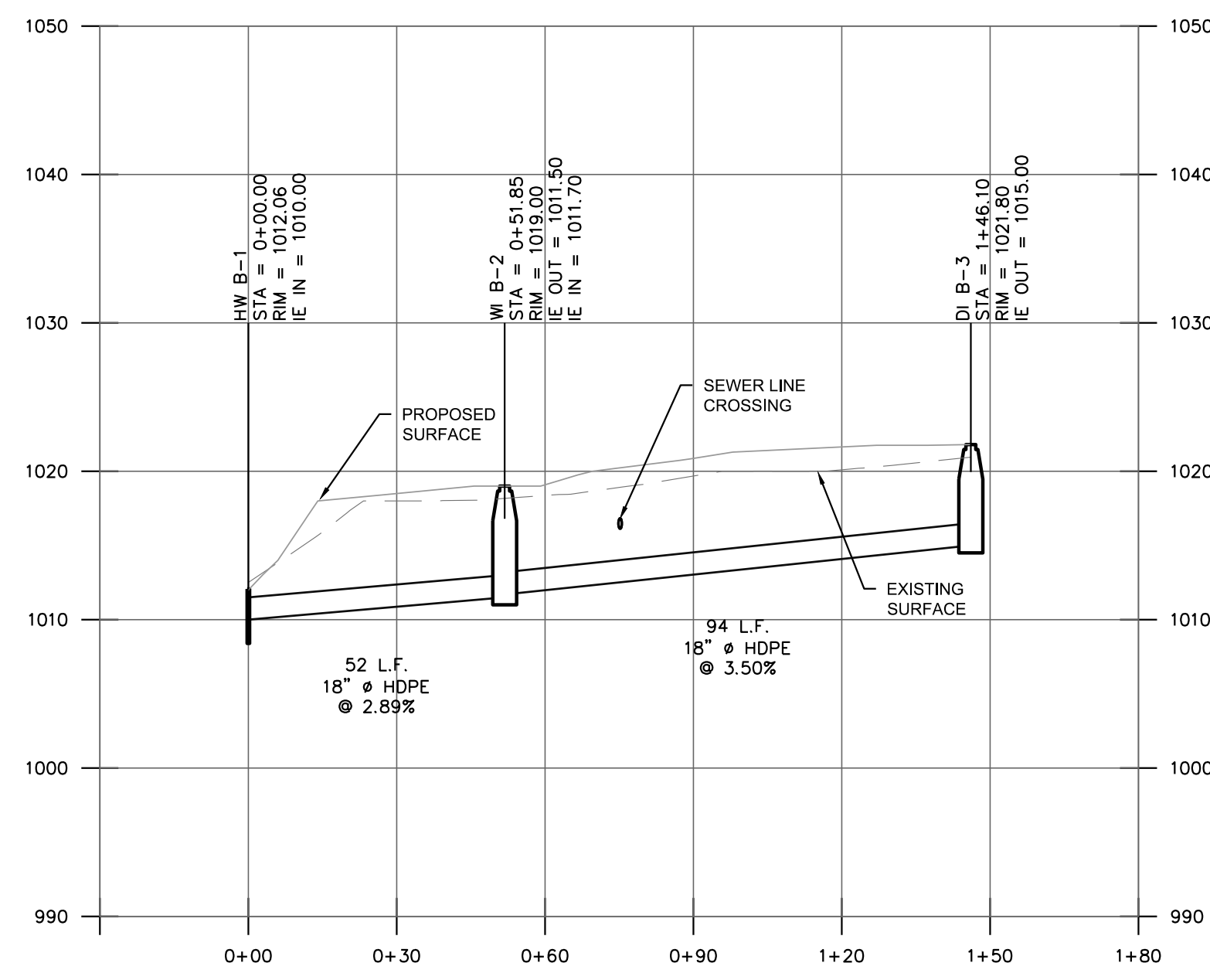
KEVIN EDWARDS	19-033
Principal-in-Charge	Project No.
ANTONIO SAMPLE	03/25/2019
Project Manager	Date
ANTONIO SAMPLE	
Project Engineer	
Staff Engineer	

C6.01

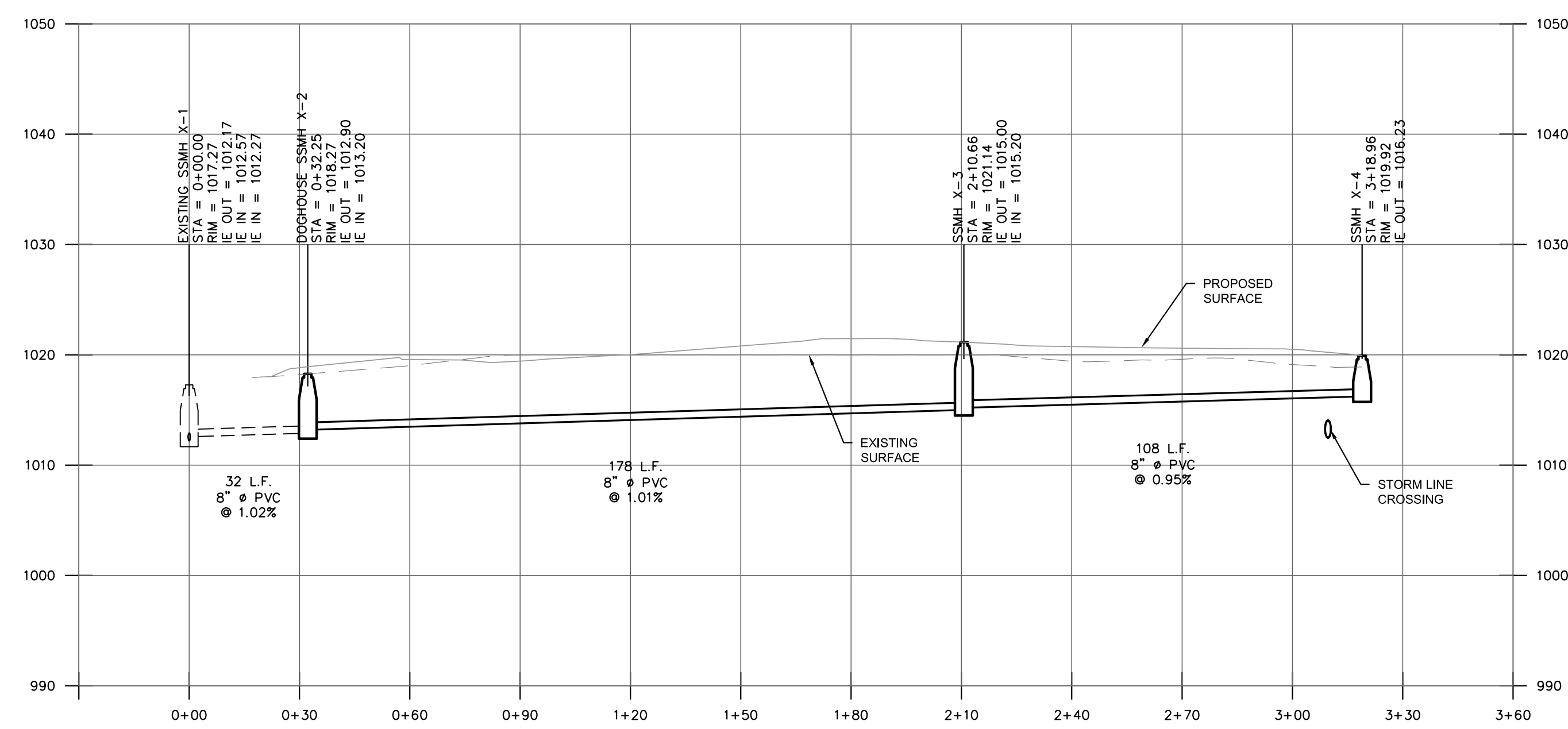
NOT ISSUED FOR CONSTRUCTION



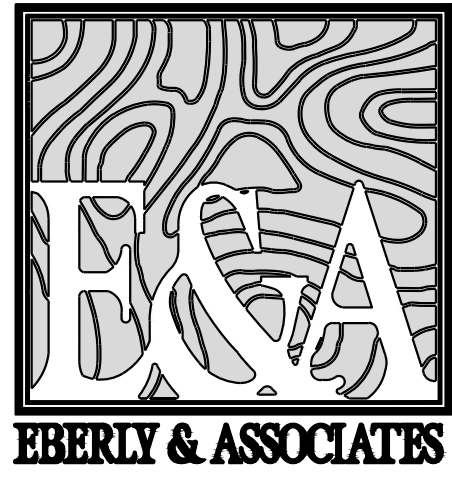
STORM LINE "A"
SCALE H: 1" = 30'
V: 1" = 10'



STORM LINE "B"
SCALE H: 1" = 30'
V: 1" = 10'



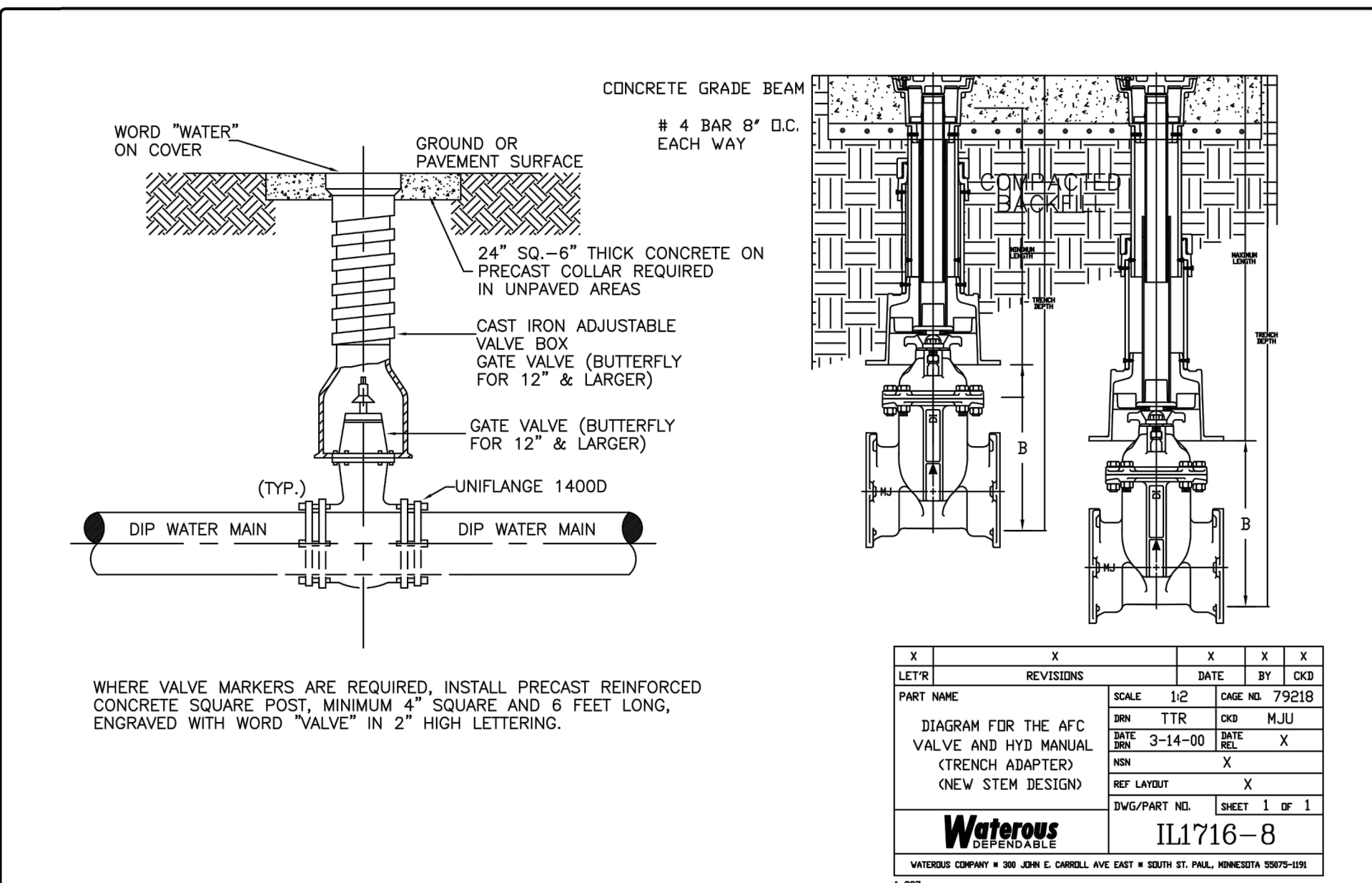
SANITARY SEWER LINE "X"
SCALE H: 1" = 30'
V: 1" = 10'



TEL: 770.452.7849 FAX: 770.452.0086
2951 FLOWERS RD. S. SUITE 119
ATLANTA, GEORGIA 30341
WWW.EBERLY.NET

ISSUANCES

No.	Drawing Issue	Date
1	DEMO SUBMITTAL	04/26/19



	CITY OF FAIRBURN WATER & SEWER 56 MALONE STREET FAIRBURN, GEORGIA 30213 770-964-2244	WATER LINE VALVE INSTALLATION	W-0023	DESIGNED: J.F.C.	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15
				DRAWN: [Signature]	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15

RECOMMENDATIONS:

The CITY ENGINEER shall furnish and have installed a Double Check Valve Backflow Preventer Assembly (DCV-BPFA) in a size that shall be of the same size as the valve. The DCV-BPFA assembly shall include a full-port ball valve on the inlet and outlet and a union or swivel coupling on the inlet and outlet. The DCV-BPFA assembly shall be installed in the vertical position with the device and valves. The device shall have three (3) ball valve test cocks in the vertical position fitted with brass or plastic threaded plugs. A fourth (4th) test cock shall be provided on the downstream side of the inlet shut-off valve. All components of the assembly, including ball valve handles and assembly bolts, shall be equal in corrosion resistance to the valve. Access to both checking devices shall be by top and/or side entry for maintenance and repair of all interior parts and shall have accessible vents.

The DCV-BPFA assembly shall be certified by a nationally recognized testing laboratory in accordance with ASSE Standard 1011 and shall bear the ASSE seal. The DCV-BPFA assembly shall have current approval from the University of Southern California Foundation for Cross-Connection Control (USCC-FOCC). The assembly shall be tested, shipped, and installed as a complete unit.

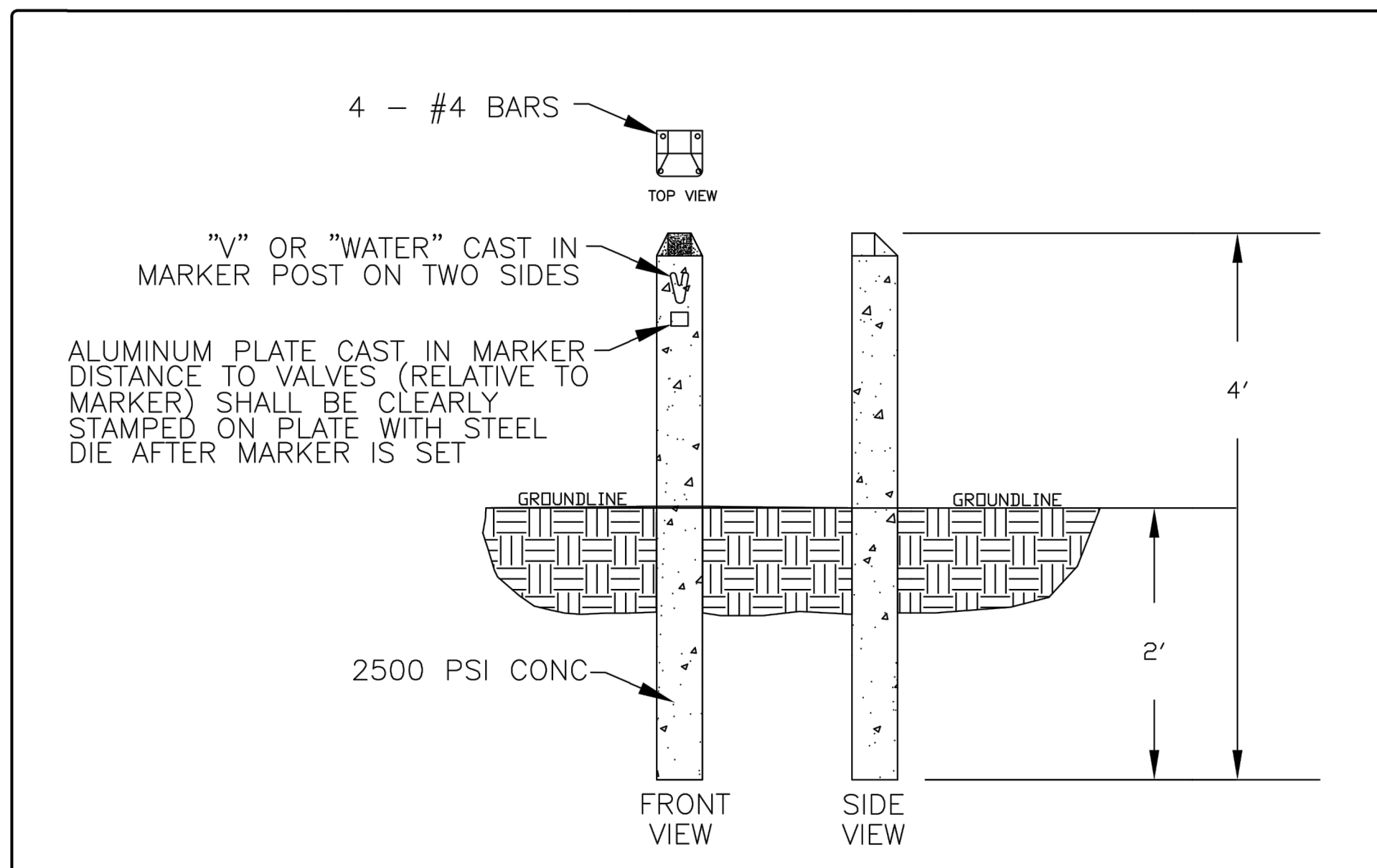
APPROVED DEVICES:

See County Water and Sewer for approved devices.

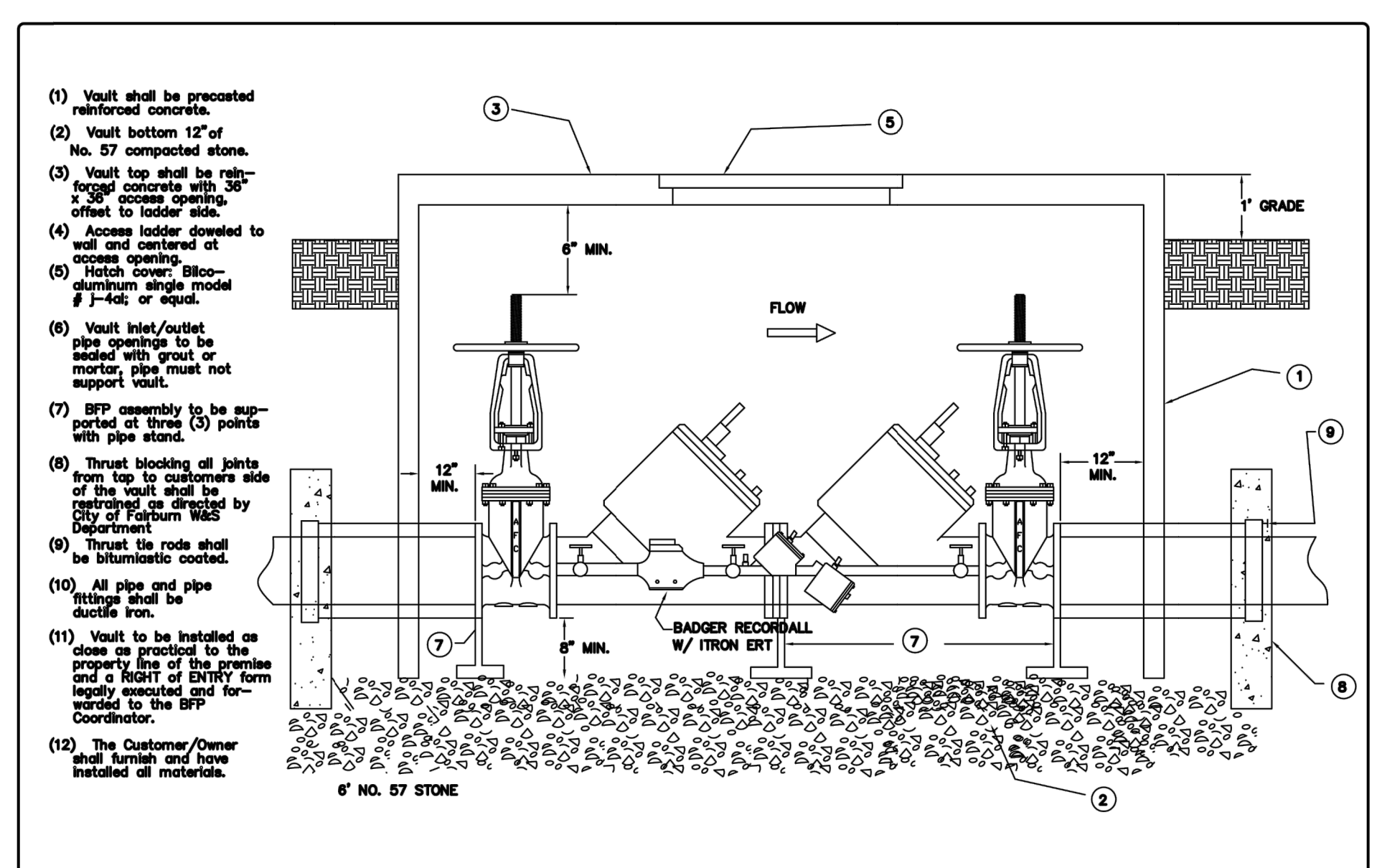
The DCV-BPFA assembly shall be installed in a utility box adjacent to, or as close as possible to, the outlet side of the meter installation. Under no condition shall any connection be allowed between the service meter and a backflow preventer used for system containment.

See City of Fairburn Water and Sewer for approved utility boxes.

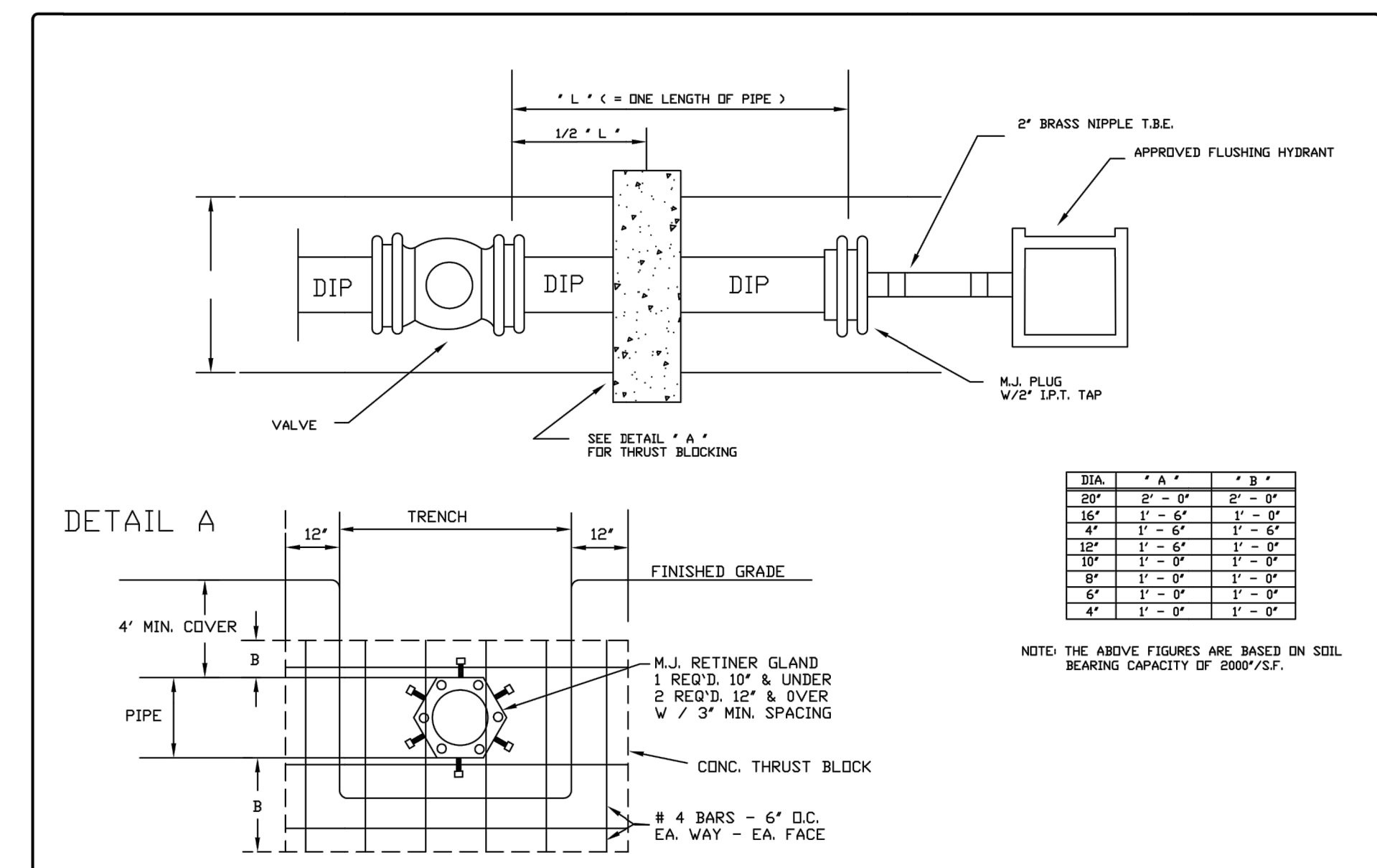
	CITY OF FAIRBURN WATER & SEWER 56 MALONE STREET FAIRBURN, GEORGIA 30213 770-964-2244	COMMERCIAL METER SOIL APPLICATION	W-0024	DESIGNED: J.F.C.	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15
				DRAWN: [Signature]	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15



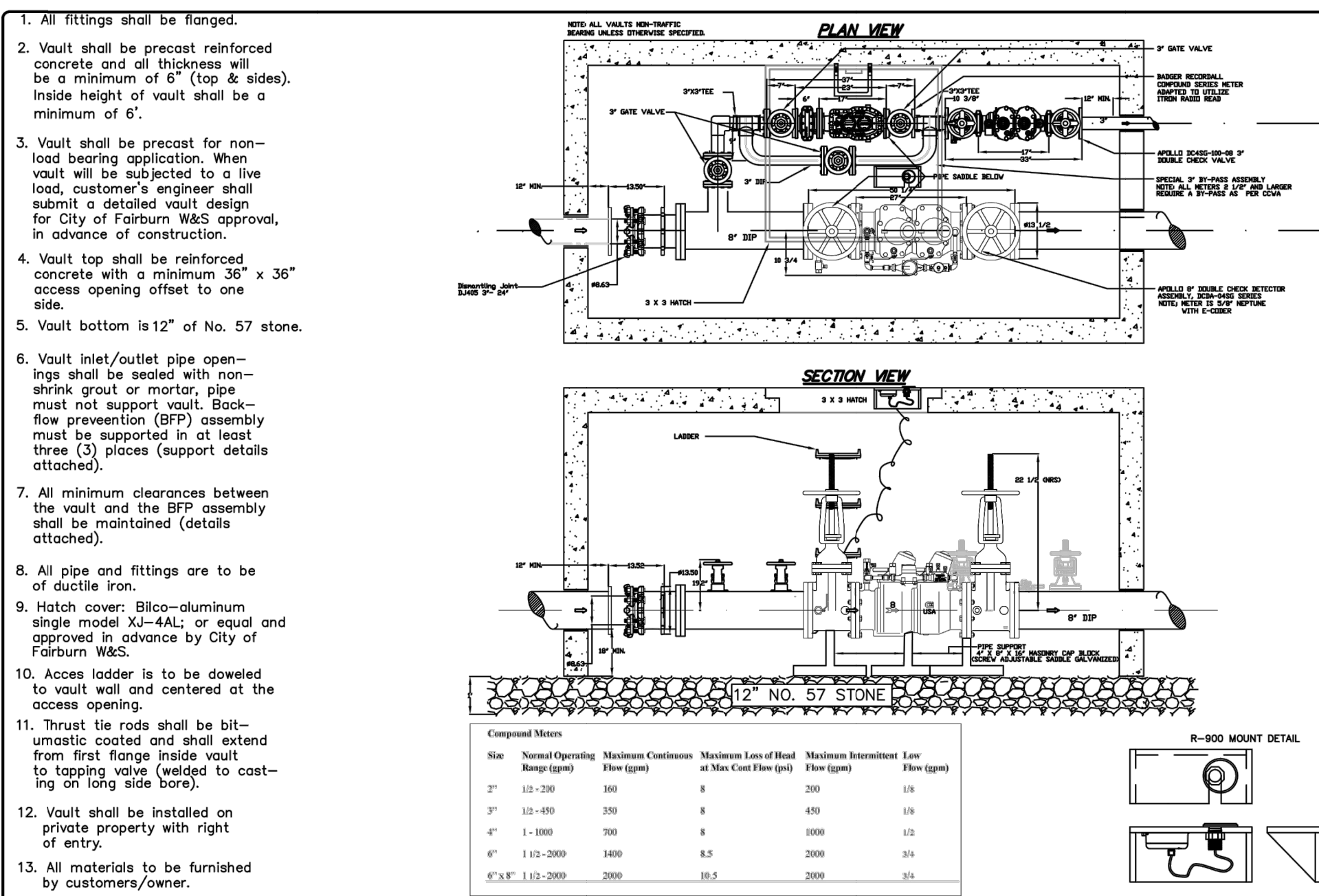
	CITY OF FAIRBURN WATER & SEWER 56 MALONE STREET FAIRBURN, GEORGIA 30213 770-964-2244	VALVE MARKER DETAIL	W-0019	DESIGNED: J.F.C.	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15
				DRAWN: [Signature]	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15



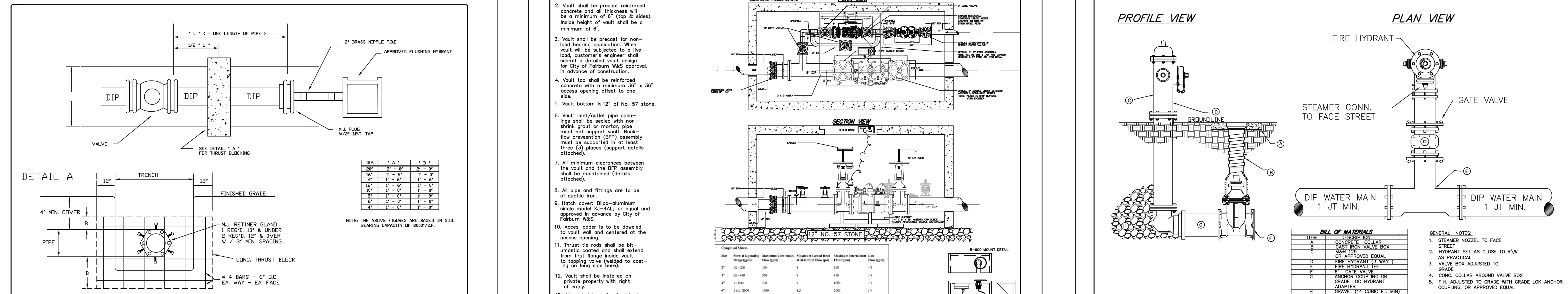
	CITY OF FAIRBURN WATER & SEWER 56 MALONE STREET FAIRBURN, GEORGIA 30213 770-964-2244	ELEVATION VIEW FOR VAULT INSTALLATIONS	W-0017	DESIGNED: J.F.C.	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15
				DRAWN: [Signature]	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15



	CITY OF FAIRBURN WATER & SEWER 56 MALONE STREET FAIRBURN, GEORGIA 30213 770-964-2244	TERMINAL END DETAIL	W-0016	DESIGNED: J.F.C.	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15
				DRAWN: [Signature]	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15



	CITY OF FAIRBURN WATER & SEWER 56 MALONE STREET FAIRBURN, GEORGIA 30213 770-964-2244	8\"/>	W-0004	DESIGNED: J.F.C.	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15
				DRAWN: [Signature]	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15



	CITY OF FAIRBURN WATER & SEWER 56 MALONE STREET FAIRBURN, GEORGIA 30213 770-964-2244	TYPICAL FIRE HYDRANT INSTALLATION	W-0006	DESIGNED: J.F.C.	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15
				DRAWN: [Signature]	DATE: 01/15	SCALE: N.T.S.	BY: [Signature]	DATE: 01/15

Landmark Christian School Renovations

Landmark Christian High School
Landmark Christian School

CONSTRUCTION DETAILS

KEVIN EDWARDS

Principal-in-Charge

ANTONIO SAMPLE

Project Manager

ANTONIO SAMPLE

Project Engineer

Staff Engineer

19-033

Project No.

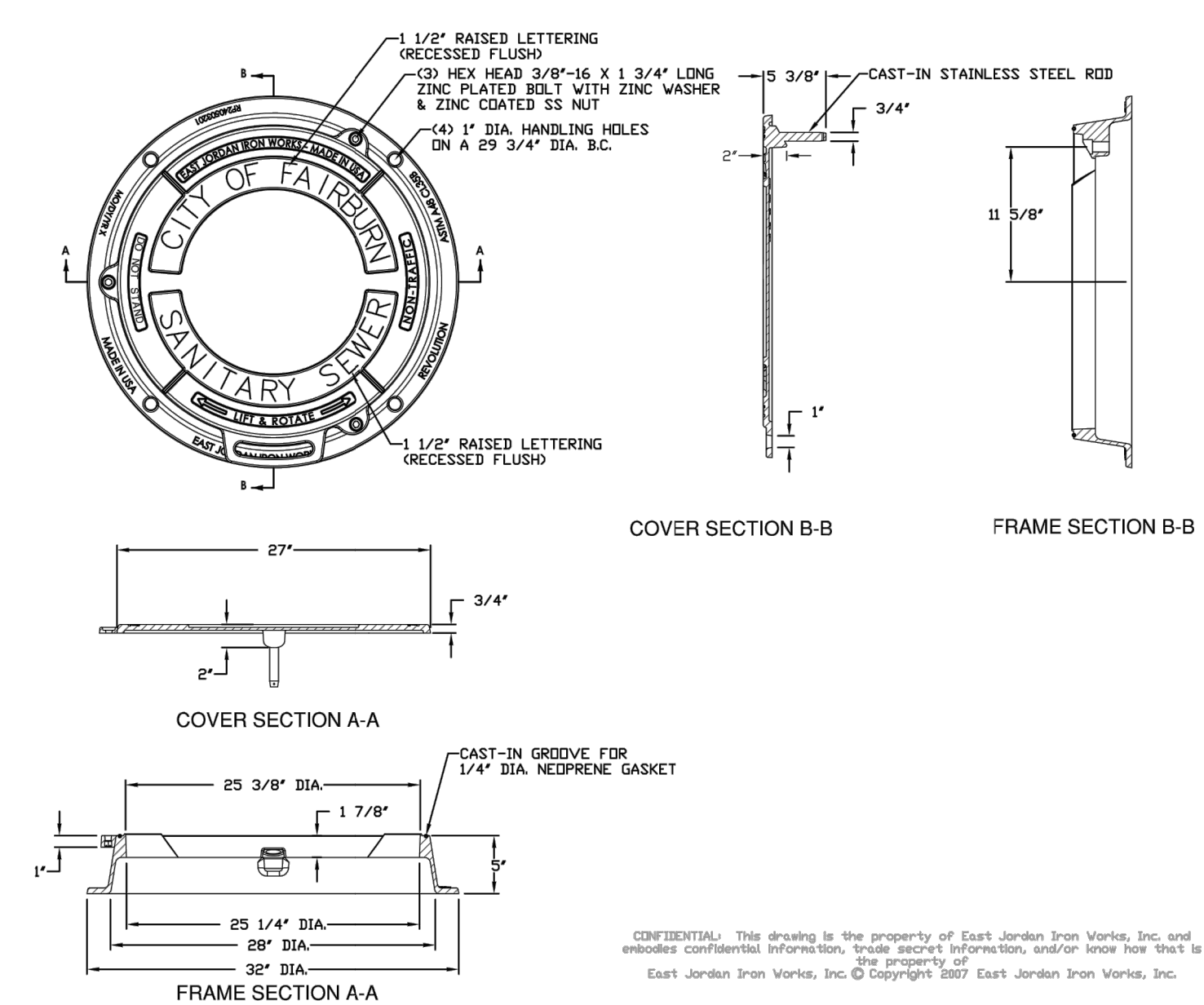
03/25/2019

Date

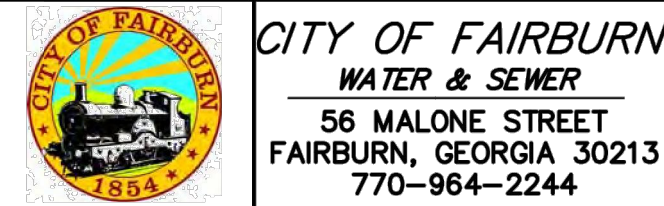
C7.01

NOT ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20100286 PROJECT NAME: Jonesboro High School DOF Facility Code XXX-XXXX FTE=142
C:\Users\evansaada\Documents\20160286 - Jonesboro existing building_2015_2016-09-09_central_evansaada.rvt
11/3/2017 4:14:56 PM



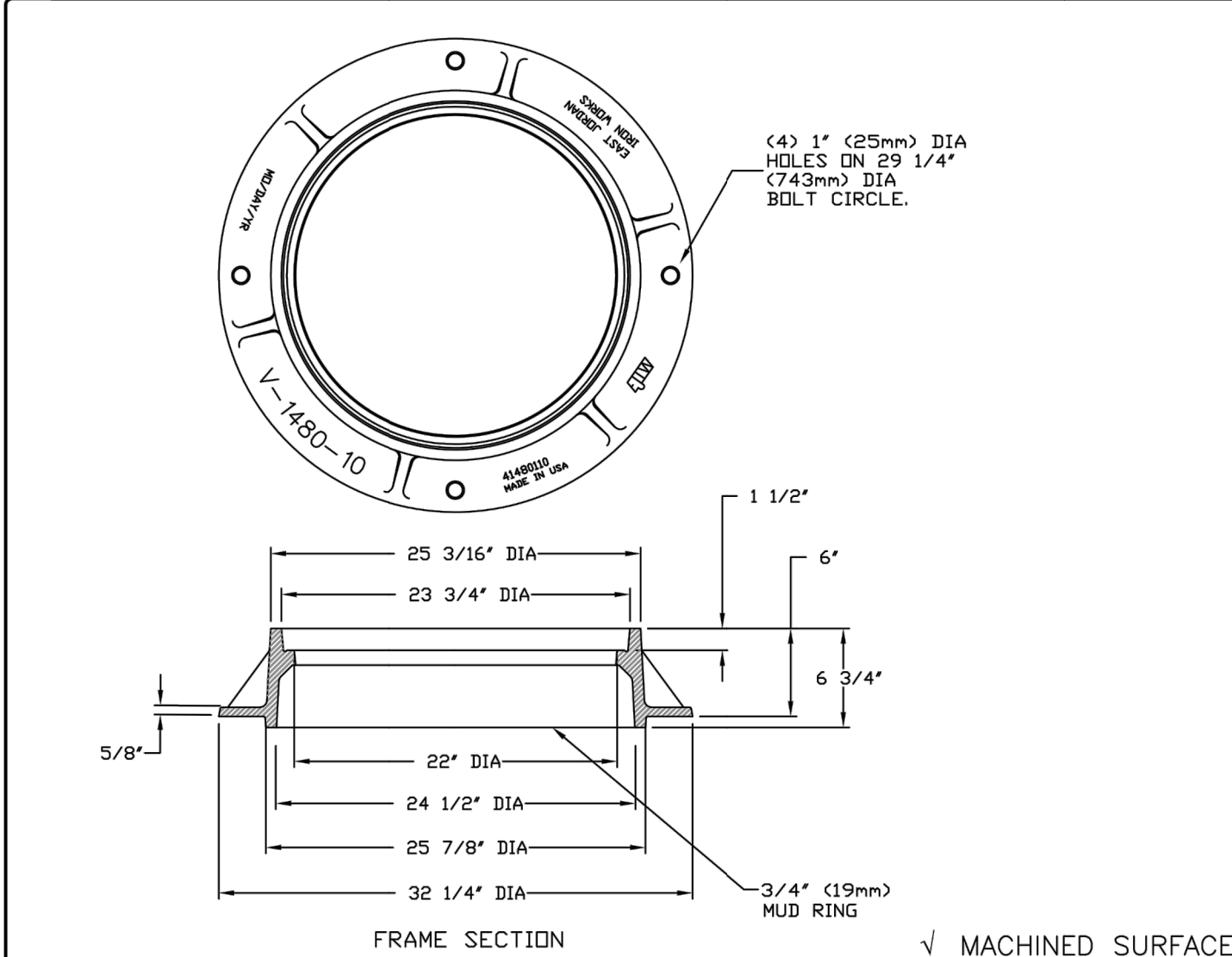
EJW EAST JORDAN	
IRON WORKS, INC.	
800-626-4653	
WWW.EJW.COM	
MADE IN USA	
PRODUCT NUMBER	
NCR08-667F	
CATALOG NUMBER	
(1) BOLT REVOLUTION COVER	
(2) BOLT REVOLUTION FRAME	
(3) BOLT WATERTITE	
ASSEMBLY	
LOAD RATING	
NON-TRAFFIC	
OUTFALL USE ONLY	
UNDIPPED	
MATERIAL SPECIFICATION	
COVER - GRAY IRON	
ASTM A48 CL35B	
FRAME - GRAY IRON	
ASTM A48 CL35B	
OPEN AREA	
N/A	
DESIGNATES MACHINED SURFACE	
DRAWN	
DATE	
LAST REVISED	
DATE	
REFERENCE INFORMATION	



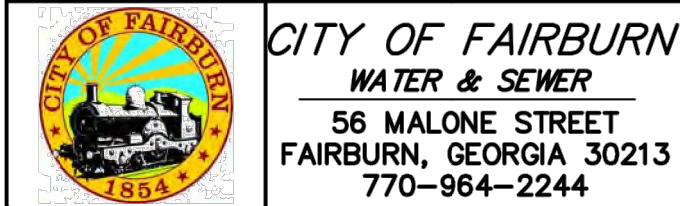
OUTFALL MANHOLE FRAME & COVER

S-0012

DESIGNED: J.F.C. DRAWN: J.F.C.
DATE: 01/10 SCALE: N.T.S.



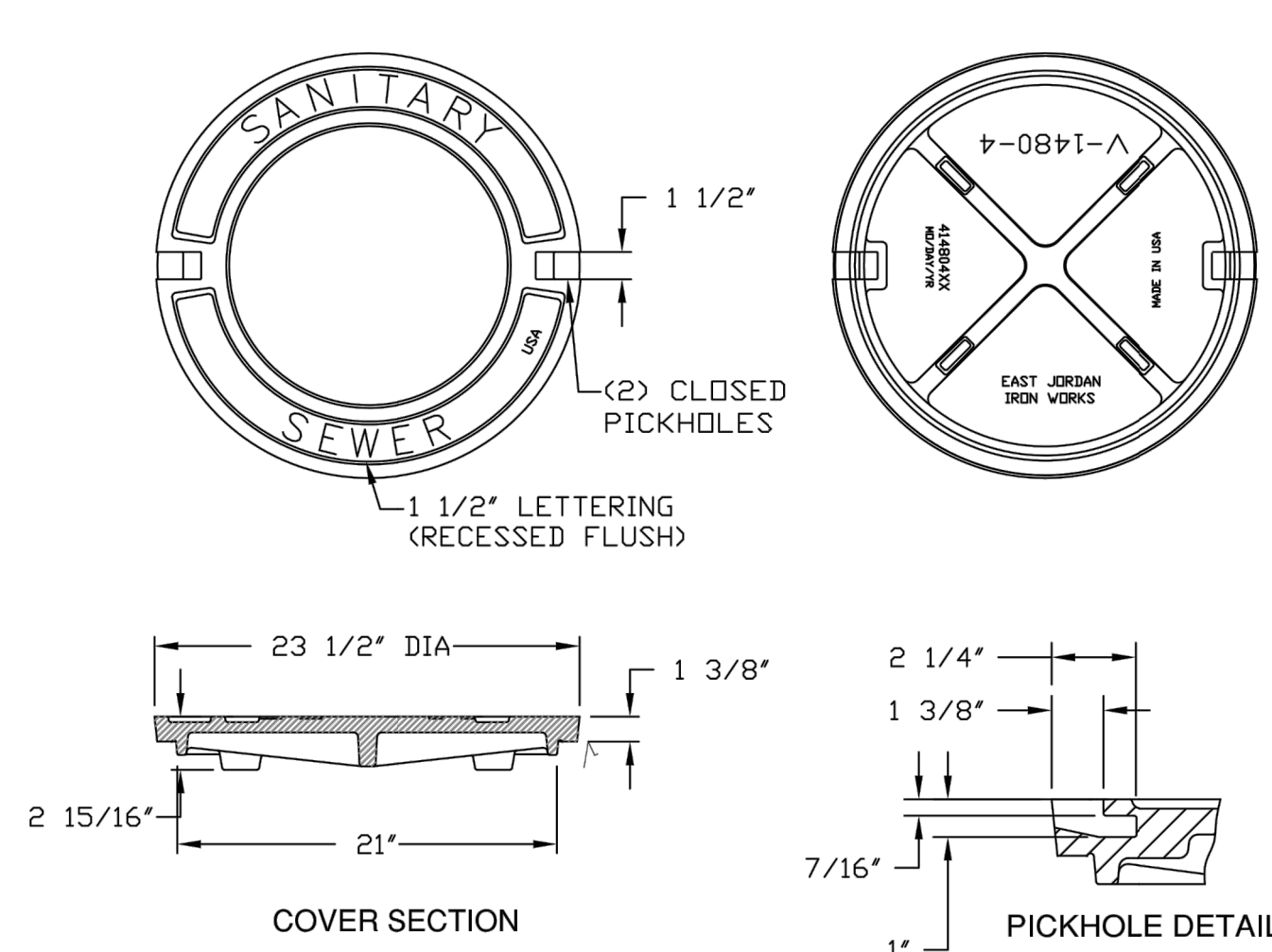
EAST JORDAN	
IRON WORKS, INC.	
P.O. BOX 429	
EAST JORDAN, ME 04927	
T-800-874-4100	
FAX 207-536-4438	
DRAWN	
DATE	
APPROVED	
DATE	
MANHOLE FRAME	
V-1480-10 WITH	
3/4" MUD RING	
PRODUCT NO.	
41480110	
CATALOG NO.	
V-1480-10	
REF. PRODUCT DRAWING	
41480110	
EST. WT.	
FRAME: 181 LBS 82kg	
OPEN AREA	
N/A	
MAT'L SPEC.	
FRAME - GRAY IRON	
ASTM A48 CL35	
LOAD RATING	
HEAVY DUTY	



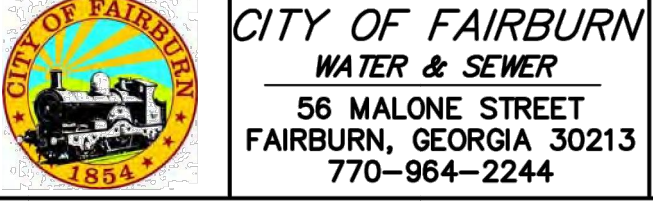
MANHOLE FRAME

S-0009B

DESIGNED: J.F.C. DRAWN: J.F.C.
DATE: 01/10 SCALE: N.T.S.



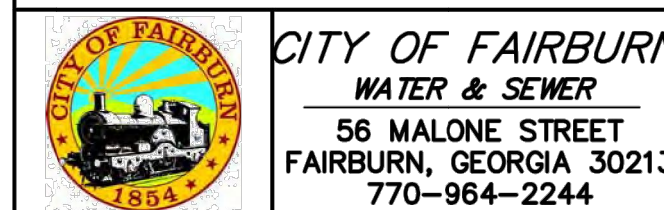
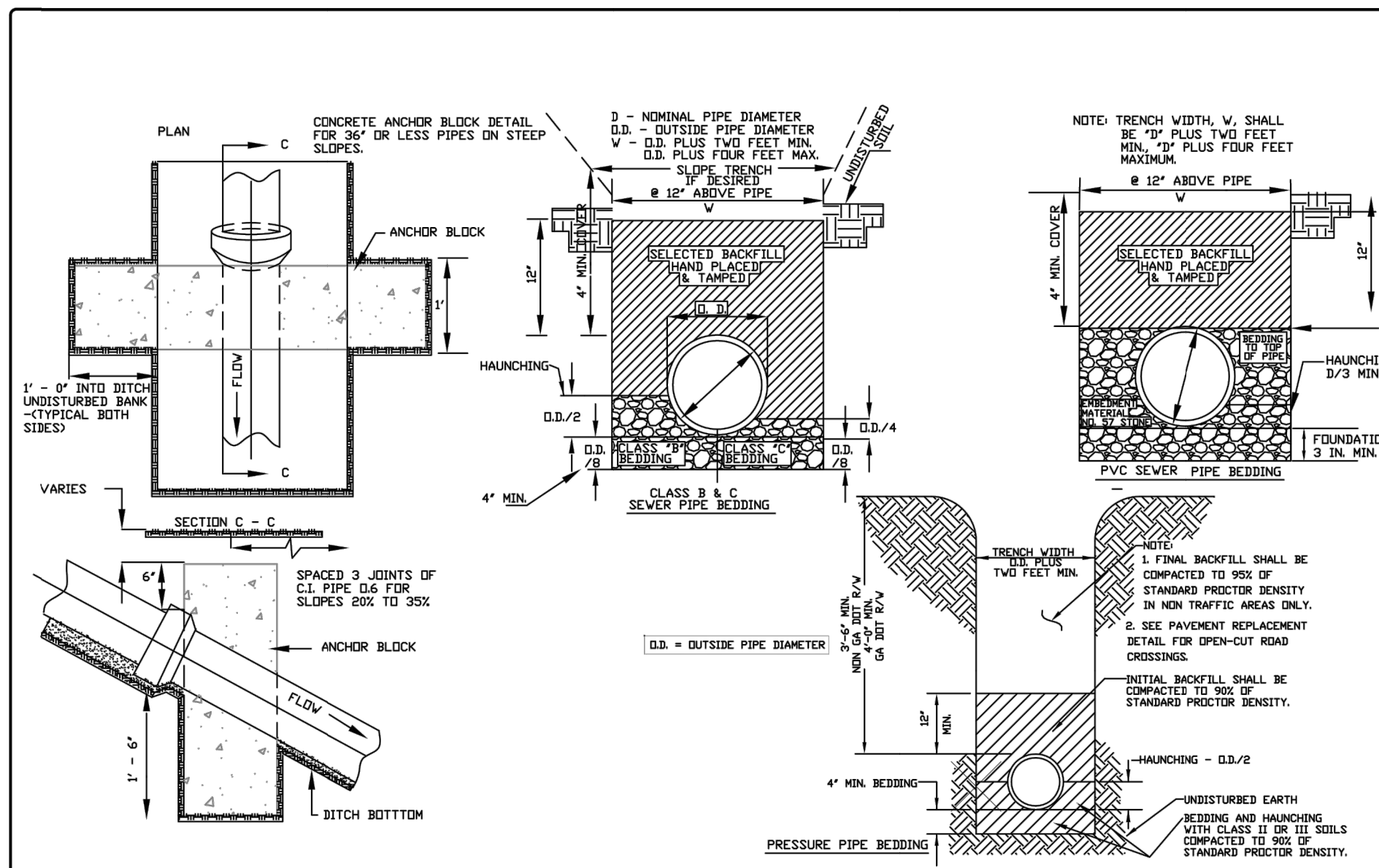
EJW EAST JORDAN	
IRON WORKS, INC.	
800-626-4653	
WWW.EJW.COM	
MADE IN USA	
PRODUCT NUMBER	
NCR08-667A	
CATALOG NUMBER	
V1480-4	
MANHOLE COVER	
LOAD RATING	
HEAVY DUTY	
COATING	
UNDIPPED	
MATERIAL SPECIFICATION	
COVER - GRAY IRON	
ASTM A48 CL35B	
OPEN AREA	
N/A	
DESIGNATES MACHINED SURFACE	
DRAWN	
DATE	
LAST REVISED	
DATE	
REFERENCE INFORMATION	



MANHOLE COVER (HEAVY DUTY)

S-0009A

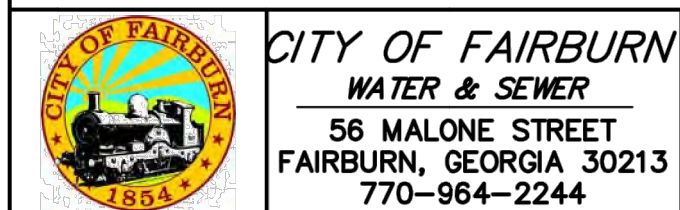
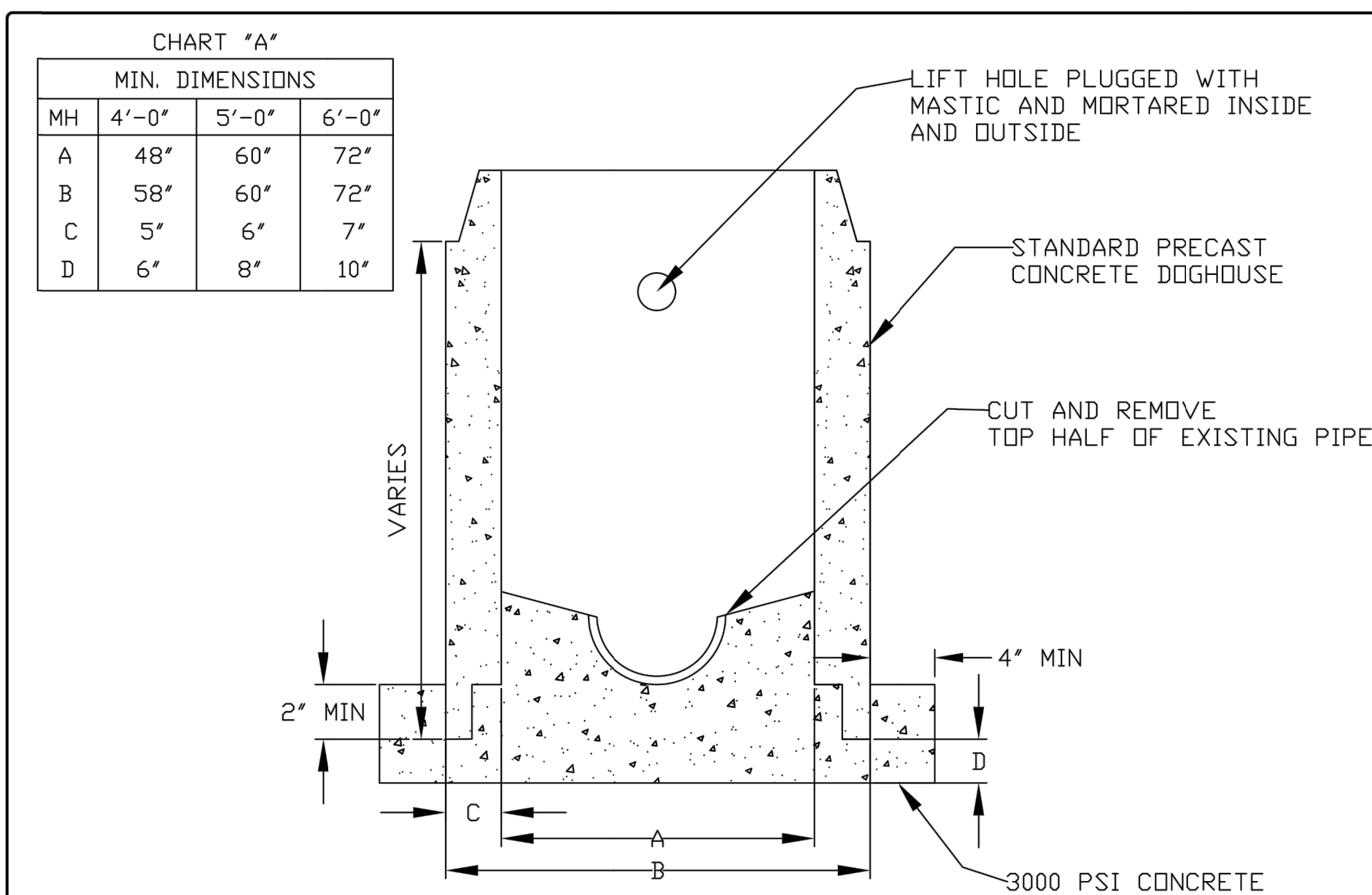
DESIGNED: J.F.C. DRAWN: J.F.C.
DATE: 01/10 SCALE: N.T.S.



STANDARD SEWER PIPE SEWER DATA

S-0005

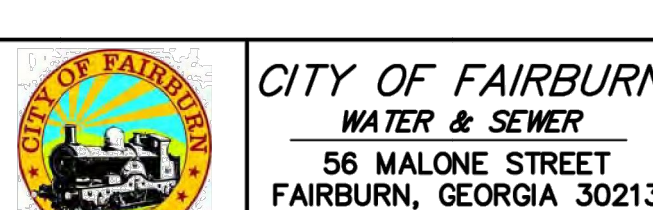
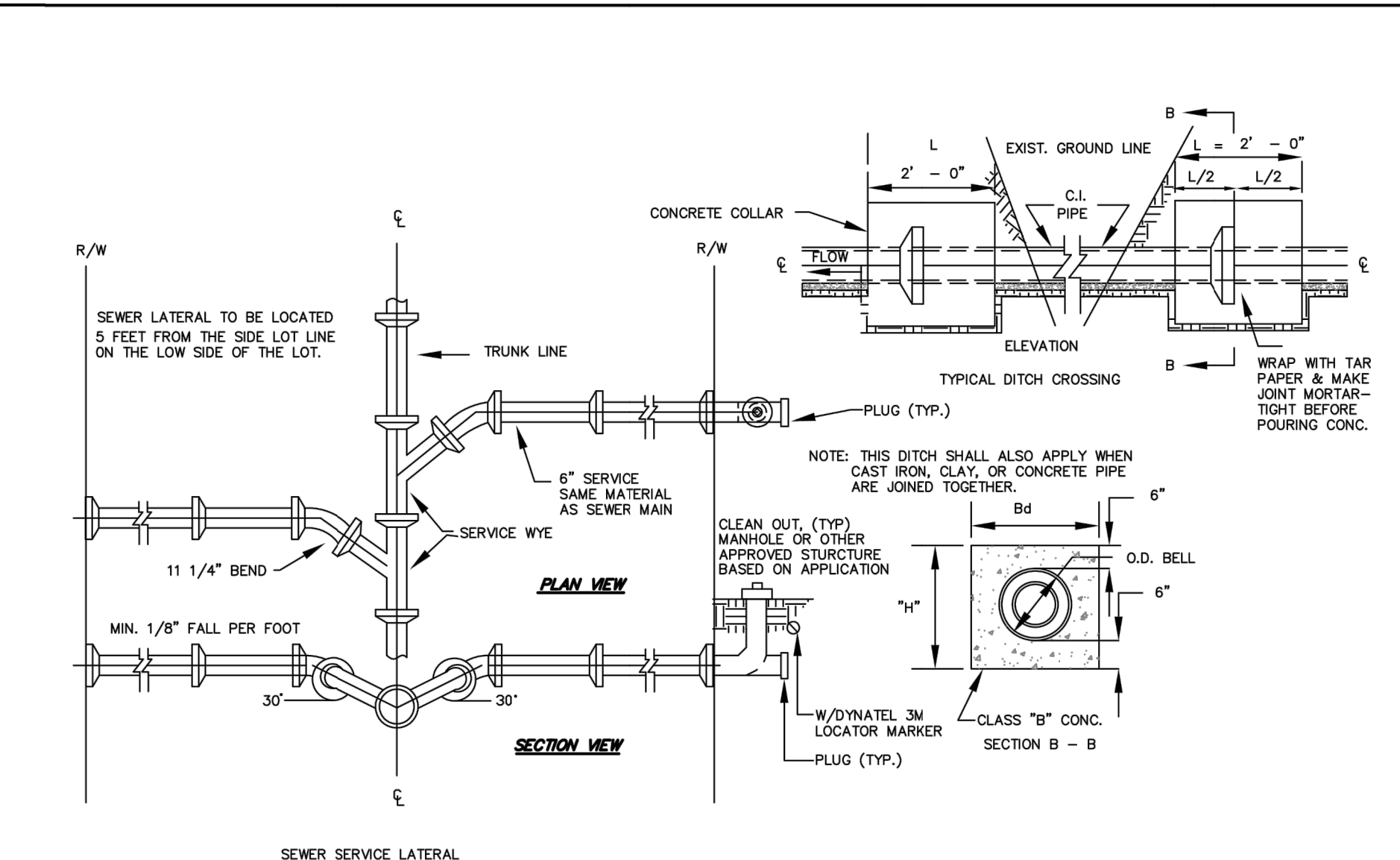
DESIGNED: J.F.C. DRAWN: J.F.C.
DATE: 01/10 SCALE: N.T.S.



PRECAST CONCRETE MANHOLE DOGHOUSE

S-0004

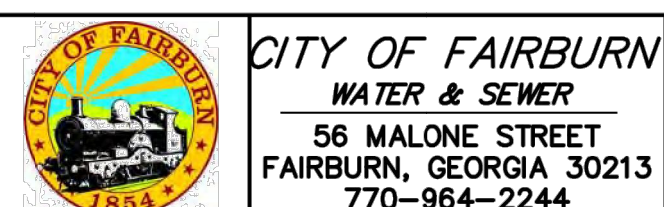
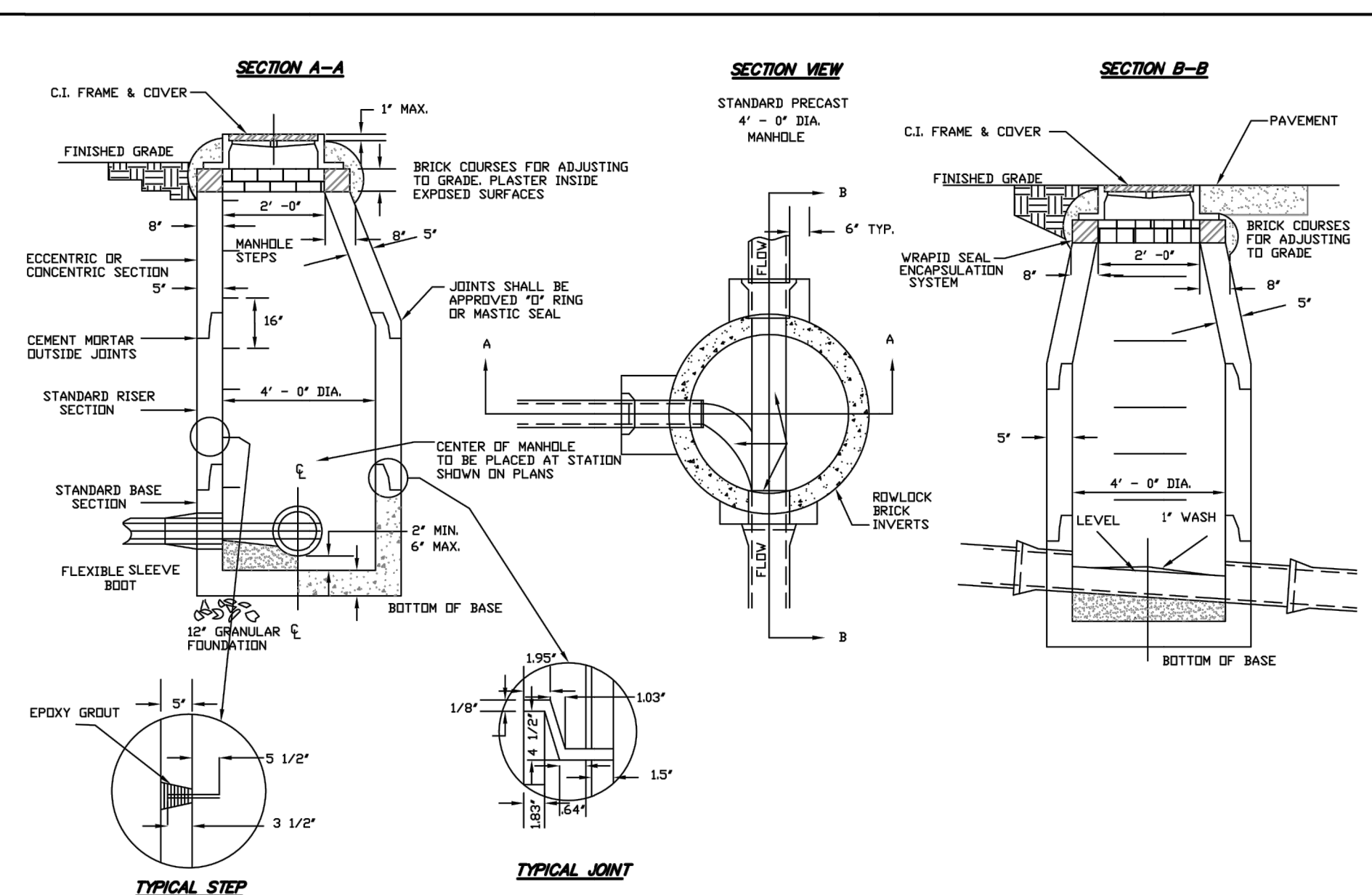
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DATE: 01/10 SCALE: N.T.S.



SEWER LATERALS INSTALLATION

S-0002

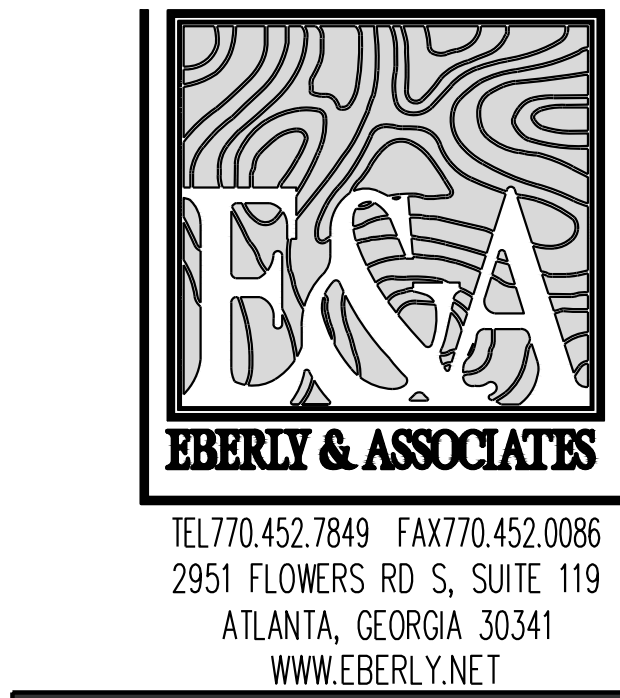
DESIGNED: J.F.C. DRAWN: J.F.C.
DATE: 01/10 SCALE: N.T.S.



STANDARD SEWER MANHOLES PRECAST CONCRETE

S-0003

DESIGNED: J.F.C. DRAWN: J.F.C.
DATE: 01/10 SCALE: N.T.S.



ISSUANCES		
No.	Drawing Issue	Date
1	DEMO SUBMITTAL	04/26/19

Landmark Christian School Renovations

Landmark Christian High School
Landmark Christian School

CONSTRUCTION DETAILS

KEVIN EDWARDS	19-033
Principal-in-Charge	Project No.
ANTONIO SAMPLE	03/25/2019
Project Manager	Date
ANTONIO SAMPLE	
Project Engineer	
Staff Engineer	

C7.02

GENERAL SOIL EROSION & SEDIMENTATION CONTROL NOTES

1. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA BY THE GA. SOIL & WATER CONSERVATION COMMISSION.
2. ANY AND ALL SILT LEAVING THE SITE IS THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL GRASSING SHALL BE IN ACCORDANCE WITH CHAPTER 6, SECTION II "VEGETATIVE PRACTICES" OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
4. ANY ADDITIONAL CONSTRUCTION OTHER THAN SHOWN ON THIS PLAN WILL REQUIRE SEPARATE AND ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND APPROVAL.
5. WHEN HAND PLANTING MULCH (HAY OR STRAW) SHALL BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING.
6. DURING UNSTABLE GROWING SEASONS, MULCH SHALL BE USED AS A TEMPORARY COVER (D#1). ON SLOPES THAT ARE 4:1 OR STEEPER, MULCH SHALL BE ANCHORED.
7. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
8. THE SITE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS DURING THE CONSTRUCTION PERIOD.
9. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION BY THE ISSUING AUTHORITY.
10. ALL ACTIVITIES SHALL BE CONDUCTED WITHIN THE STATE AND LOCAL JURISDICTIONS.
11. PROVIDE EACH SECONDARY PERMITTEE A COPY OF THE EROSION CONTROL PLANS. EACH SECONDARY PERMITTEE SHALL SIGN THE PLAN.
12. ANY AMENDMENT TO THE EROSION CONTROL PLANS WHICH HAVE SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL. MINIMIZING WIND EROSION AND CONTROLLING DUST WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:
- A. COVERING 30% OR MORE OF THE SOIL SURFACE WITH NON-ERODIBLE MATERIAL.
- B. ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND.
- C. FREQUENT WATERING OF EXCAVATION AND FILL AREAS.
- D. PROVIDING GRAVEL OR PAYING AT ENTRANCE/EXIT DRIVES.
13. LIMIT OF DISTURBANCE SHALL BE MAINTAINED AT ALL TIMES AND AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE EPD DISTRICT OFFICE.
14. MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT EVERY PHASE OF CONSTRUCTION.

INITIAL SOIL EROSION & SEDIMENTATION CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY GRADING ON SITE. SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE SITE INSPECTOR PRIOR TO LAND DISTURBING CONSTRUCTION.
2. MAINTAIN AND MONITOR ALL EROSION CONTROL DEVICES THROUGHOUT CONSTRUCTION.
3. STAGING AREAS, MATERIAL STORAGE, CONCRETE WASHOUT AREAS, OR DEBRIS BURN AND BURNAL HOLES SHALL NOT BE LOCATED WITHIN 50 FEET OF DESIGNATED TREE PROTECTION AREAS. NO BURN AND BURNAL AREAS SHALL BE LOCATED WITHIN 50 FEET OF DESIGNATED TREE PROTECTION AREAS. NO BURN AND BURNAL AREAS SHALL BE LOCATED WITHIN 50 FEET OF DESIGNATED TREE PROTECTION AREAS.
4. ACCURATELY DEMARCATED AND MAINTAINED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITY. LAND DISTURBANCE SHALL BE LIMITED TO THE APPROVED PLAN. ANY CONSTRUCTION OTHER THAN SHOWN ON THIS PLAN WILL REQUIRE SEPARATE AND ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND APPROVAL.
5. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC RIGHT-OF-WAY.
6. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT OF WAY DURING ALL PHASES OF CONSTRUCTION. THIS MEASURE REQUIRE PERIODIC TOP DRESSING WITH 1" STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANING OF ANY STRUCTURE OF AN ENTRANCE OR EXIT.
7. SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
8. IMMEDIATELY AFTER THE PLACEMENTS AND REGULATION OF THE CONSTRUCTION ENTRANCE, ALL PERMITTER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE INITIAL EROSION CONTROL PLAN.
9. TYPE "C" SILT FENCE SHALL BE INSTALLED AT THE PERMITTER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHALL BE KEPT ERECT AT ALL TIMES AND REPAIRED AS NECESSARY.
10. SILT BARRIERS SHALL BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
11. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. INSPECT AND REPAIR FENCE DAILY.
12. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN.
13. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
14. CLEARED TREES MAYBE UTILIZED AS BARRIER BRUSH SEDIMENT CONTROL.
15. ADDITIONAL SILT BARRIERS MUST BE MAINTAINED AS SHOWN ON PLAN WHEN ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED.
16. INSPECT SEDIMENT AND EROSION CONTROL MEASURES AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ON HALF THE CAPACITY OF THE DEVICE. INSTALL ADDITIONAL DEVICES AS NECESSARY.
17. ALL GRASSING SHALL BE IN ACCORDANCE WITH CHAPTER 6, SECTION II "VEGETATIVE PRACTICES" OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
18. ANY ADDITIONAL CONSTRUCTION OTHER THAN SHOWN ON THIS PLAN WILL REQUIRE SEPARATE AND ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND APPROVAL.
19. DISTURBED AREAS LEFT IDLE FOR 14 DAYS, AND NOT TO FINAL GRADE, WILL BE STABILIZED WITH MULCH OR TEMPORARY VEGETATION (D#1). DISTURBED AREAS LEFT MULCHED FOR 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION (D#1).
20. ALL AREAS BROUGHT TO FINAL GRADE WILL BE ESTABLISHED TO PERMANENT VEGETATION WITHIN 14 DAYS (D#3).
21. WHEN HAND PLANTING MULCH (HAY OR STRAW) SHALL BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS OF SEEDING.
22. DURING UNSTABLE GROWING SEASONS, MULCH SHALL BE USED AS A TEMPORARY COVER (D#1). ON SLOPES THAT ARE 4:1 OR STEEPER, MULCH SHALL BE ANCHORED.

INTERMEDIATE SOIL EROSION & SEDIMENTATION CONTROL NOTES

1. MAINTAIN INTERMEDIATE EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION.
2. CONTROL EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS TO AVOID DUMPING OR SLOUGHING INTO BUFFER AREAS.
3. DO NOT ALLOW SEDIMENT TO BE WASHED INTO INLETS. REMOVE SEDIMENT FROM SEDIMENT TRAPS AND DISPOSE OF AND STABILIZE SO THAT IT WILL NOT ENTER THE INLETS AGAIN.
4. INSTALL EROSION CONTROL DEVICES PRIOR TO ANY CONSTRUCTION ACTIVITY. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLAN IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES OF CONSTRUCTION. ANY DEFICIENCIES NOTED DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE OWNER OR DESIGN PROFESSIONAL.
5. MAINTAIN AND FURNISH ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
6. TYPE "C" SILT FENCE SHALL BE INSTALLED AT THE TOE OF ALL SLOPES 10 FEET OR GREATER IN HEIGHT. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER.
7. INSTALL BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SOIL STABILIZATION BECOMES FULLY ESTABLISHED. REPLACE ANY DEFECTIVE MATERIALS IN THE BARRIER AND REMOVE DEBRIS AND SILT AT THE PREVIOUS LOCATION.
8. PLACE TYPE "C" SILT FENCE AT THE TOE OF ALL DIRT STOCKPILE AREAS AND SEED WITH TEMPORARY GRASSING.
9. INSTALL INLET SEDIMENT PROTECTION MEASURES ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED.
10. INSTALL STONE CHECK DAMS IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
11. APPLY VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
12. APPLY VEGETATIVE COVER ON ALL GRADED AREAS AS SOON AS FINAL GRADE IS ACHIEVED.
13. APPLY MULCH OR TEMPORARY GRASSING TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.
14. STABILIZE ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS WITH TEMPORARY GRASSING.
15. CONSTRUCT TEMPORARY SEDIMENT BASINS AND DIVERSION BASINS AS SHOWN ON PLAN AFTER PRELIMINARY GRADING ACTIVITIES. MAINTAIN THE SEDIMENT POND UNTIL GRADING OPERATIONS ARE COMPLETE AND THE SITE IS PERMANENTLY STABILIZED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 10 DEPTH OF BASIN.
16. INSPECT SEDIMENT AND EROSION CONTROL MEASURES AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ON HALF THE CAPACITY OF THE DEVICE. INSTALL ADDITIONAL DEVICES AS NECESSARY.

FINAL SOIL EROSION & SEDIMENTATION CONTROL NOTES

1. MAINTAIN INTERMEDIATE EROSION CONTROL MEASURES THROUGHOUT FINAL PHASE.
2. DO NOT ALLOW SEDIMENT TO BE WASHED INTO INLETS. REMOVE SEDIMENT FROM SEDIMENT TRAPS AND DISPOSE OF AND STABILIZE SO THAT IT WILL NOT ENTER THE INLETS AGAIN.
3. REPLACE & REMOVE INLET SEDIMENT TRAPS WITH CURB FILTER INLET PROTECTION AFTER CURRING. GRADED AGGREGATE BASE AND PAVEMENT HAS BEEN INSTALLED.
4. MAINTAIN TEMPORARY SEDIMENT BASINS AND OTHER EROSION CONTROL MEASURES UNTIL THE SITE IS PERMANENTLY STABILIZED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 10 DEPTH OF BASIN.
5. APPLY VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS OF ALL ROADWAY AND PARKING SHOULDERS.
6. INSPECT SEDIMENT AND EROSION CONTROL MEASURES AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ON HALF THE CAPACITY OF THE DEVICE. INSTALL ADDITIONAL DEVICES AS NECESSARY.
7. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM OFF-SITE UPON FINAL STABILIZATION OF THE PROJECT AND CERTIFICATE OF OCCUPANCY. "FINAL STABILIZATION" MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND THAT FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL, THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, GABIONS, PERMANENT MULCH OR GEOTEXTILES) HAVE BEEN USED.
8. PERMANENT VEGETATION SHALL BE PLANTED WITH TREES, SHRUBS, PERENNIAL VEG, A CROP OF PERENNIAL VEGETATION, OR A SEEDING OF TARGET CROP. PERENNIALS APPROPRIATE FOR THE REGION, FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION.

THE DESIGN PROFESSIONAL, WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERMITTER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION.

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 30-FOOT UNDISTURBED STRIP BUFFER AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FOOT OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT

WASTE MATERIALS

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LINED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ON SITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR MAKING SURE THAT THESE PRACTICES ARE FOLLOWED WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL HAZARDOUS WASTE. THESE MATERIALS WILL BE MAINTAINED IN THE ES&PC FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THE ES&PC AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORMWATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMPs MUST BE IMPLEMENTED, SUCH AS GRAVEL BASINS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE TO PREVENT WASTES FROM CONTRIBUTING TO STORMWATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE SHEET ECU3 BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY SYSTEM AT THE COMPLETION OF THIS PROJECT. THE ES&PC PLAN MUST BE IN COMPLIANCE WITH WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS DURING AND AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.

PRODUCT SPECIFIC PRACTICES

PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF ALL EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRINKS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT MINOR FUEL SPILLS. SITE CONTAMINATION, DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/PAVEMENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 27- BUILDING MATERIAL STORAGE PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) FOR BUILDING MATERIALS, BUILDING PRODUCTS, EQUIPMENT, AND REMOVED MATERIALS. PERMITTER SHALL PROVIDE COVER FOR BUILDING MATERIALS, BUILDING PRODUCTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE. COVER WILL BE UTILIZED TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO NEGATE STORMWATER DISCHARGE OF POLLUTANTS FROM THESE AREAS.

SPILL CONTROL PRACTICES-PRACTICES USED TO REDUCE POLLUTANTS

1. DISCHARGE OF NEW OR USED OIL, FUEL, LUBRICANTS, ETC. IS PROHIBITED. UTILITY CONTAINMENT SYSTEMS, RECYCLED USED OILS, CONTAMINATED FUELS AND LUBRICANTS, ILLEGAL DISCHARGES ARE SUBJECT TO FINES AND PENALTIES.
2. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS THAT SHALL BE CLEARLY LABELED AND STORED IN A CLEARLY IDENTIFIED AREA. ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
3. FERTILIZERS USED SHALL BE APPLIED IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. FERTILIZERS WILL BE WORKED INTO THE SOIL TO MINIMIZE THE EXPOSURE TO STORM WATER. ANY FERTILIZERS THAT ARE TO BE STORED ON-SITE, SHALL BE STORED IN A PROTECTED SECURABLE ENCLOSURE. THE CONTENTS OF ANY PARTIALLY USED BAGS AT FERTILIZERS SHALL BE TRANSFERRED TO A CLEARLY LABELED, TIGHTLY SEALED PLASTIC CONTAINER TO AVOID SPILLS.
4. CONCRETE TRUCKS SHALL BE ALLOWED TO WASH OUT, DISCHARGE AND DRUM WASH ONLY AT THE IDENTIFIED EQUIPMENT WASHING AREA. MAINTAINED EQUIPMENT WASHING AREA SHALL BE EQUIPPED WITH A DISCHARGE CONTAINMENT AREA (I.E. EARTH BERM SURROUNDING AREA). THE CONTAINMENT AREA SHALL BE CLEANED UP AND REMOVED FROM THE SITE UPON COMPLETION OF CONCRETE INSTALLATION WORK.
5. LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
6. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE. EQUIPMENT AND MATERIALS SHALL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, RESPIRATORS, CAT LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
7. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY UPON DISCOVERY.
8. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL SHALL WEAR THE APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
9. THE SPILL PREVENTION PLAN SHALL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES SHALL ALSO BE INCLUDED.
10. ALL FUEL STORAGE SHALL BE PROVIDED OFFSITE. ALL FUELING AND EQUIPMENT STORAGE SHALL BE PERFORMED AT THE DESIGNATED LOCATION SHOWN ON THE PLANS. A COVERED 55 GALLON DRUM AND A SHOVEL SHALL BE PLACED AT THIS LOCATION. ALL SPILLS DURING FUELING OF LEAKS FROM THE EQUIPMENT SHALL BE REMOVED TO FULL DEPTH OF SOIL. CONTAMINATION AND THE SOIL SHALL BE PLACED IN THE DRUM, WHEN THE DRUM IS FULL, DISPOSE OF DRUM PROPERLY IN AN APPROVED ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS LAND FILL. FOR SPILLS 25 GALLONS AND GREATER MUST BE REPORTED TO THE EPA AT 1-800-241-4113 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802. THESE PLANS DO NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS MATERIALS OR OILS RESULTING FROM AN ONSITE SPILL.

GRADING RECORD

A GRADING RECORD MUST BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF CONSTRUCTION. GRADING REFERENCED IN GAR 100001 PART IV.D.3.a.(1)(a) and (b).

GRADING ACTIVITIES	DESCRIPTION OF ACTIVITY	START	STOP	STABILIZATION ACTIVITIES	DESCRIPTION OF ACTIVITY	START	STOP
GRADING				STABILIZATION MEASURES			

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING

N.P.D.E.S. PERMIT REQUIREMENTS FOR PART IV SECTION D

ITEM # 28- NARRATIVE: THE PROPOSED PROJECT IS LOCATED IN DISTRICT 6, LANDLOT 32, PARCEL 08/1080620100 AND 08/1080620210 OF FULTON COUNTY, GEORGIA. THE SITE IS MORE PARTICULARLY LOCATED ON MILO FISHER STREET AND CLAYTON STREET INTERSECTION. THE PROPOSED CONSTRUCTION CONSISTS OF A 108,431.07 S.F. BUILDING. THE PROPOSED CONSTRUCTION WILL ALSO INCLUDE LANDSCAPING, LANDSCAPING, AND UTILITIES TO SERVE THE BUILDINGS AS WELL AS A STORM A CONVEYANCE SYSTEM.

THIS PROJECT WILL UNDERGO CLEARING AND GRUBBING OPERATIONS WITH THE INITIAL BMPs IN PLACE. THESE INITIAL BMPs WILL INCLUDE THE INSTALLATION OF THE SILT FENCE, THE CONSTRUCTION ENTRANCES AND STONE CHECKDAMS. MASS GRADING OPERATIONS WILL BEGIN ONCE THE TREE CLEARING AND GRUBBING IS COMPLETE. THE BMPs FOR THIS PHASE WILL INCLUDE THE INSTALLATION OF TEMPORARY SEDIMENT BASINS, TEMPORARY DOWNDRAINS, DIVERSION DITCHES, INLET SEDIMENT TRAPS, EROSION CONTROL MATTING, GRASSING, AND MAINTAINING THE INITIAL BMPs. PERMANENT STABILIZATION WILL INCLUDE IMPERVIOUS AREAS SUCH AS THE BUILDINGS AND ASPHALT PAVED ACCESS ROADS, AND ASPHALT PAVED PARKING LOTS. PERVIOUS AREAS WILL BE SEEDED WITH PERMANENT GRASSING. STORM DRAINAGE SYSTEMS WILL BE INSTALLED TO CONTROL STORMWATER RUN-OFF AFTER CONSTRUCTION IS COMPLETE. THESE SYSTEMS WILL INCLUDE STORMWATER INLETS, STORM PIPE AND RIP-RAP FOR OUTLET PROTECTION.

THE SITE IS CURRENTLY DEVELOPED AND HAS STRUCTURES ON THE PROPERTY. THE SITE ALSO HAS SLOPES RANGING FROM 5% TO 40% AND DRAINS INTO CITY LAKE. THE ADJACENT AREAS INCLUDE RESIDENTIAL HOUSING TO THE NORTH, SOUTH AND WEST.

POSSIBLE EFFECTS OF THIS PROJECT WILL BE A DISRUPTION IN TRAFFIC FLOW ON MILO FISHER STREET WHICH SERVES THE SITE TO THE EAST. CLAYTON STREET AND CHESTNUT STREET ALSO SERVES TO THE SOUTH. THE CITY LAKE MAY ALSO BE AFFECTED DUE TO THE PROPOSED CONSTRUCTION AS WELL.

ITEM # 29- RECEIVING WATERS: TWO SEDIMENTATION BASINS WILL BE USED ON THIS PROJECT TO MINIMIZE THE EROSION AND TO CONTROL SILT BASED ON THE SITE TOPOGRAPHY, SOLS AND NATURE OF CONSTRUCTION OF THIS PARTICULAR SITE. THESE SEDIMENT BASINS ARE REQUIRED ALONG WITH THE USE OF TYPE "C" SILT FENCE AND OTHER MEASURES AS SHOWN ON THE PLAN. STILLING BASINS WILL BE PROVIDED AT ALL OTHER STORM OUTLETS TO PROVIDE A SIMILAR EFFECT AS A FULL SEDIMENT BASIN. THIS SITE WILL BE CONSTRUCTED IN TWO SEPARATE PHASES, THEREFORE ALLOWING SEEDING TO TAKE PLACE BEFORE THE SECOND PHASE OF CONSTRUCTION. UPON COMPLETION THE ENTIRE SITE WILL BE SEED PERMANENTLY AND LANDSCAPED TO STABILIZE THE SOIL.

ITEM # 30- STORM WATER MANAGEMENT STATEMENT: RAINFALL ACROSS IMPERVIOUS AREAS WILL PASS THROUGH SEDIMENTATION PONDS, TO BE TREATED BY FILTRATION AND DISCHARGED INTO A NEARBY STREAM. RIPRAP APRONS AT THE DISCHARGE SIDE OF OUTLET PIPE WILL REDUCE THE VELOCITY OF THE STORMWATER TO PREVENT SCOURING AND EROSION. LANDSCAPED AREAS, VEGETATED STRIPS AND ASSOCIATED BUFFER WILL FURTHER FILTER STORMWATER AND PROVIDE INFILTRATION AND TREATMENT.

ITEM # 31- BUFFER ENCROACHMENT THERE ARE NO BUFFER ENCROACHMENTS ON THIS PROPERTY.

ITEM # 32- GPS LOCATION OF CONSTRUCTION EXIT: 33.5608° N, 84.7857° W

ITEM # 33- SOIL TYPES

ITEM # 34- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

ITEM # 35- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 36- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

ITEM # 37- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

ITEM # 38- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 39- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

ITEM # 40- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

ITEM # 41- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 42- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

ITEM # 43- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

ITEM # 44- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 45- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

ITEM # 46- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

ITEM # 47- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 48- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

ITEM # 49- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

ITEM # 50- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 51- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

ITEM # 52- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

ITEM # 53- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 54- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

ITEM # 55- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

ITEM # 56- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 57- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

ITEM # 58- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

ITEM # 59- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 60- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

ITEM # 61- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

ITEM # 62- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 63- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

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ITEM # 65- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

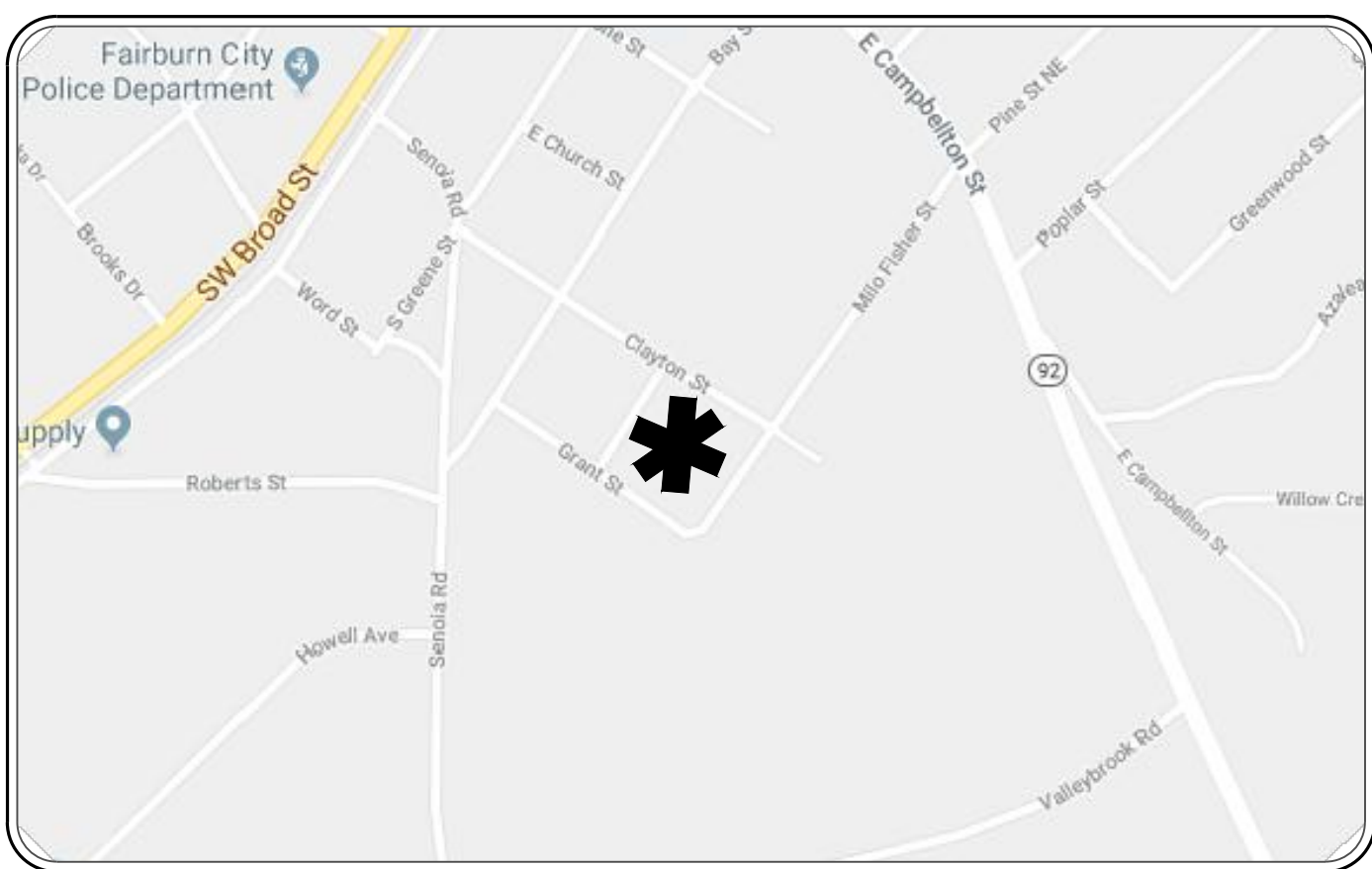
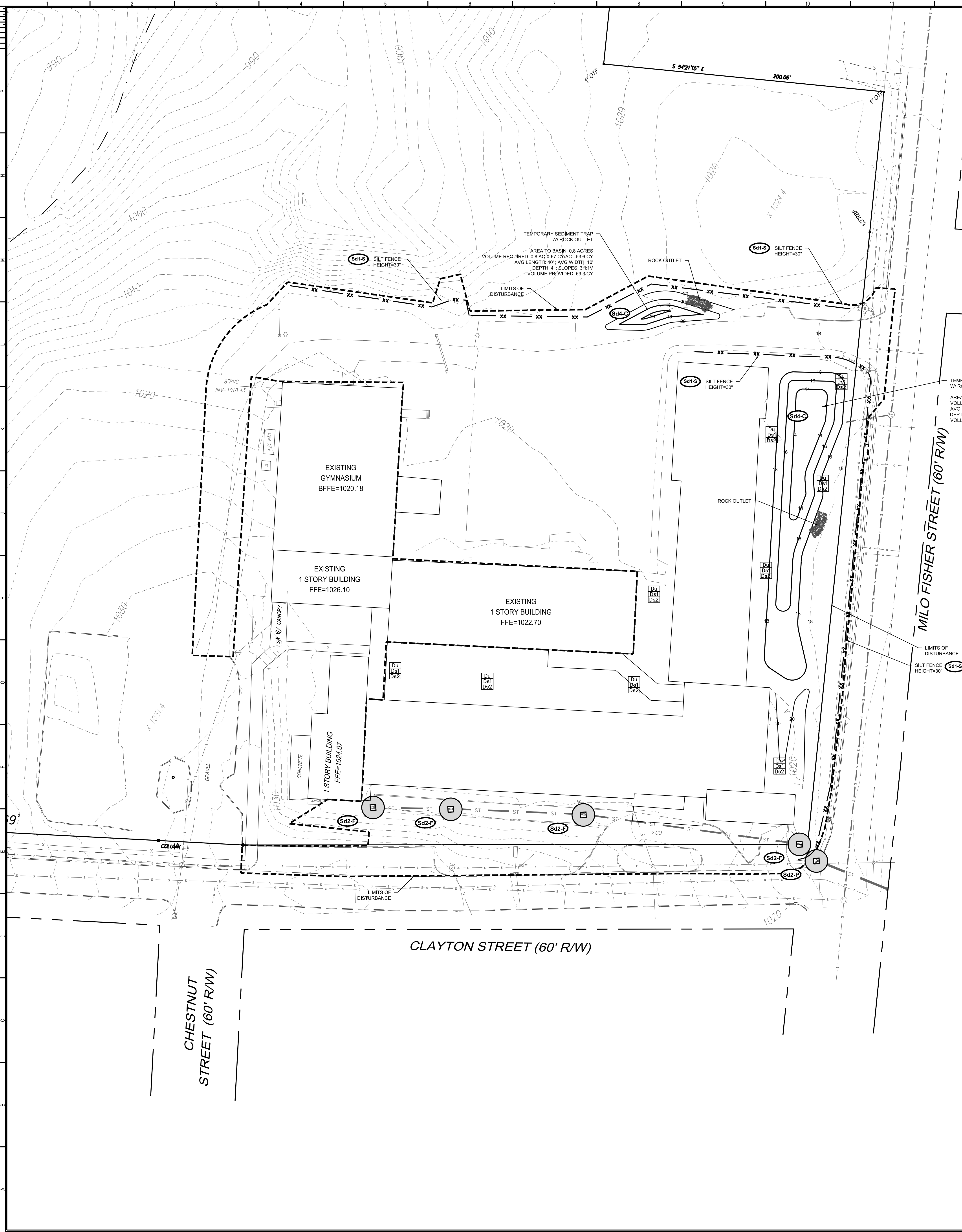
ITEM # 66- CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

ITEM # 67- FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE ES&PC MANUAL FOR EROSION AND SEDIMENT CONTROL. IF GEORGIA, ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

ITEM # 68- BUILDING MATERIALS - NO BUILDING MATERIALS OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

ITEM # 69- CONCRETE TRUCK

PROJECT NUMBER: 20160286 PROJECT NAME: Jonesboro High School DOE Facility Code XXX-XXXX FTE-1462
C:\Users\evansaada\Documents\20160286 - Jonesboro existing building_2015_2016-09-08_central_evansaada.dwg
11/3/2017 4:14:56 PM



LOCATION MAP

N.T.S.

EROSION CONTROL NOTES

1. SEDIMENT AND EROSION CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY.
2. ALL DISTURBED AREAS TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
3. CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V.
4. USE NORTH AMERICAN GREEN S150 OR EQUIVALENT FOR ALL CUT AND FILL. SLOPES TO RECEIVE EROSION CONTROL BLANKET.
5. WITHIN THE CLEARING LIMITS, THE SITE IS TO BE TIMBERED.
6. ALL STUMPS, LIMBS, AND TOPS ARE TO BE DISPOSED OF OFF-SITE AND THE SOIL IS TO BE CLEANED BY USE OF A ROOT RAKE OR SIMILAR IMPLEMENT.
7. ALL TOPSOIL IS TO BE MOVED TO A STOCKPILE LOCATION.
8. AFTER ROUGH GRADING IS COMPLETE, THE TOPSOIL IS TO BE RE-SPREAD IN THE FRONT AND REAR YARDS, SLOPES, AND OTHER NON-LOAD BEARING LOCATIONS. CARE MUST BE TAKEN TO REMOVE THE TOPSOIL FROM AREAS WHERE DRIVEWAYS AND PATIOS OCCUR.
9. ALL TOPSOIL IS TO BE COMPACTED AND WALKED-IN PRIOR TO APPLICATION OF SEED OR SOD.
10. ALTERNATIVE TECHNOLOGIES STATEMENT: ALTERNATIVE TECHNOLOGIES AS IDENTIFIED IN THE QPL-36, MAY BE SUBSTITUTED FOR THE TYPE "C" SILT FENCE ON PLANS IF APPROVED BY DESIGN ENGINEER.
11. STATE WATERS WERE LOCATED ON THE SITE.
12. THERE ARE NO WETLANDS LOCATED ON THE SITE.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND -DISTURBING ACTIVITIES.

RESTORE DETENTION PONDS TO ORIGINAL DESIGN CONDITIONS ONCE SITE HAS BEEN STABILIZED AND THE TEMPORARY SEDIMENT PONDS AND RETROFITS HAVE BEEN REMOVED. THIS INCLUDES REMOVING SILT AND MUCK FROM THE BOTTOM OF THE PONDS AND INSTALLING PERMANENT GRASS.

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION.

50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FOET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

UTILITY DISCLAIMER

UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH UTILITY COMPANIES TO HAVE THEM RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.

MAINTENANCE STATEMENT

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. PRACTICES WILL BE CHECKED DAILY.

ITEM #

TOTAL SITE AREA = 28.89 ACRES
DISTURBED AREA = 2.40 ACRES

ITEM #

GEORGIA SOIL AND WATER
CONSERVATION COMMISSION

JEREMIAH PHILLIPS, PE
LEVEL II CERTIFIED DESIGN PROFESSIONAL

CERTIFICATION NUMBER: 000072147

ISSUED: 08.29.2014

EXPIRES: 08.29.2022

OWNER/DEVELOPER
LANDMARK CHRISTIAN SCHOOL
50 SE BROAD STREET
FAIRBURN, GA 30213
(770) 306-0647

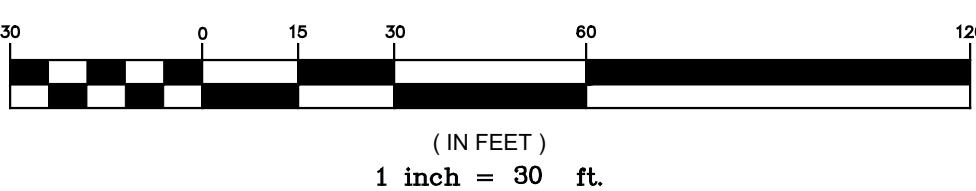
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EBERLY & ASSOCIATES, INC.
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SUITE 119
ATLANTA, GEORGIA 30341
(770) 452-7849

24 HOUR CONTACT
SARAH MCCrackEN
(404) 965-3350

ITEM #

6

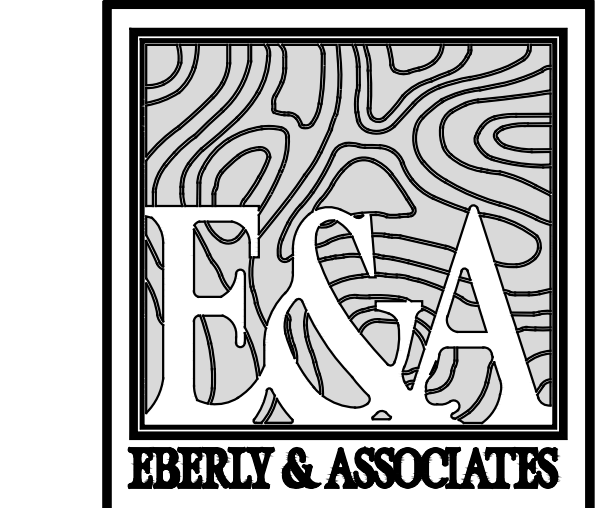
GRAPHIC SCALE



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ISSUANCES

No.	Drawing Issue	Date
1	DEMO SUBMITTAL	04/26/19

Landmark Christian School
Renovations

Landmark Christian High School

Landmark Christian School

INITIAL ES & PC
PLAN

KEVIN EDWARDS

Principal-in-Charge

ANTONIO SAMPLE

Project Manager

ANTONIO SAMPLE

Project Engineer

Staff Engineer

19-033

Project No.

03/25/2019

Date

EC2.01

Drawn By:

NOT ISSUED FOR CONSTRUCTION



EROSION CONTROL NOTES

1. SEDIMENT AND EROSION CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY. ALL DISTURBED AREAS TO BE GROSSED AS SOON AS CONSTRUCTION PHASES PERMIT.
2. CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V.
3. USE NORTH AMERICAN GROUND S150 OR EQUIVALENT FOR ALL CUT AND FILL SLOPES TO RECEIVE EROSION CONTROL BLANKET.
4. WITHIN THE CLEARING LIMIT, THE SOIL IS TO BE TIMBERED.
5. ALL STUMPS, LIMBS, AND TOPS ARE TO BE DISPOSED OF OFF-SITE AND THE SOIL IS TO BE CLEANED BY USE OF A ROOT RAKE OR SIMILAR IMPLEMENT.
6. THE TOPSOIL IS TO BE MOVED TO A STOCKPILE LOCATION.
7. AFTER ROUGH GRADING IS COMPLETE, THE TOPSOIL IS TO BE RE-SPREAD IN THE FRONT AND REAR YARDS, SLOPES, AND OTHER NON-LOAD BEARING LOCATIONS. CARE MUST BE TAKEN TO REMOVE THE TOPSOIL FROM AREAS WHERE DRIVEWAYS AND PATIOS OCCUR.
8. ALL TOPSOIL IS TO BE COMPACTED AND WALKED IN PRIOR TO APPLICATION OF SEED OR SOD.
9. ALTERNATIVE TEST METHODS FOR IDENTIFYING ATTENUATION TECHNOLOGIES AS IDENTIFIED IN THE QPLT-36 MAY BE SUBSTITUTED FOR THE TYPE "C" SILT FENCE ON PLANS IF APPROVED BY DESIGN ENGINEER.
11. STATE WATERS WERE LOCATED ON THE SITE.
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VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE
JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND
PERMITS

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MAINTENANCE STATEMENT

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ITEM # TOTAL SITE AREA = 28.89 ACRES
6 DISTURBED AREA = 2.40 ACRES

ITEM # 2 GEORGIA SOIL AND WATER
CONSERVATION COMMISSION

JEREMIAH PHILLIPS, PE
LEVEL II CERTIFIED DESIGN PROFESSIONAL

CERTIFICATION NUMBER: 000007214
ISSUED: 08.29.2014
EXPIRES: 08.29.2020

OWNER/DEVELOPER
LANDMARK CHRISTIAN SCHOOL
50 SE BROAD STREET
FAIRBURN, GA 30213
(770) 306-0647

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ANTONIO SAMPLE, E.I.T.
EBERLY & ASSOCIATES, INC.
2951 FLOWERS RD S,
SUITE 119
ATLANTA, GEORGIA 30341
(770) 452-7849

24 HOUR CONTACT
SARAH MCCrackEN
(404) 965-3350

GRAPHIC SCALE

(IN FEET)

1 inch = 30 ft.

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ISSUANCES

ISSUANCES		
No.	Drawing Issue	Date
1	DEMO SUBMITTAL	04/26/1

Landmark Christian School Renovations

Landmark Christian High School

Landmark Christian School

INTERMEDIATE ES & PC PLAN

KEVIN EDWARDS

19-033

Principal-in-Charge
ANTONIO SAMPIETRO

Project No. 03/25/2019

Project Manager

ANTONIO SAMPLE

Project Engineer

Staff Engineer

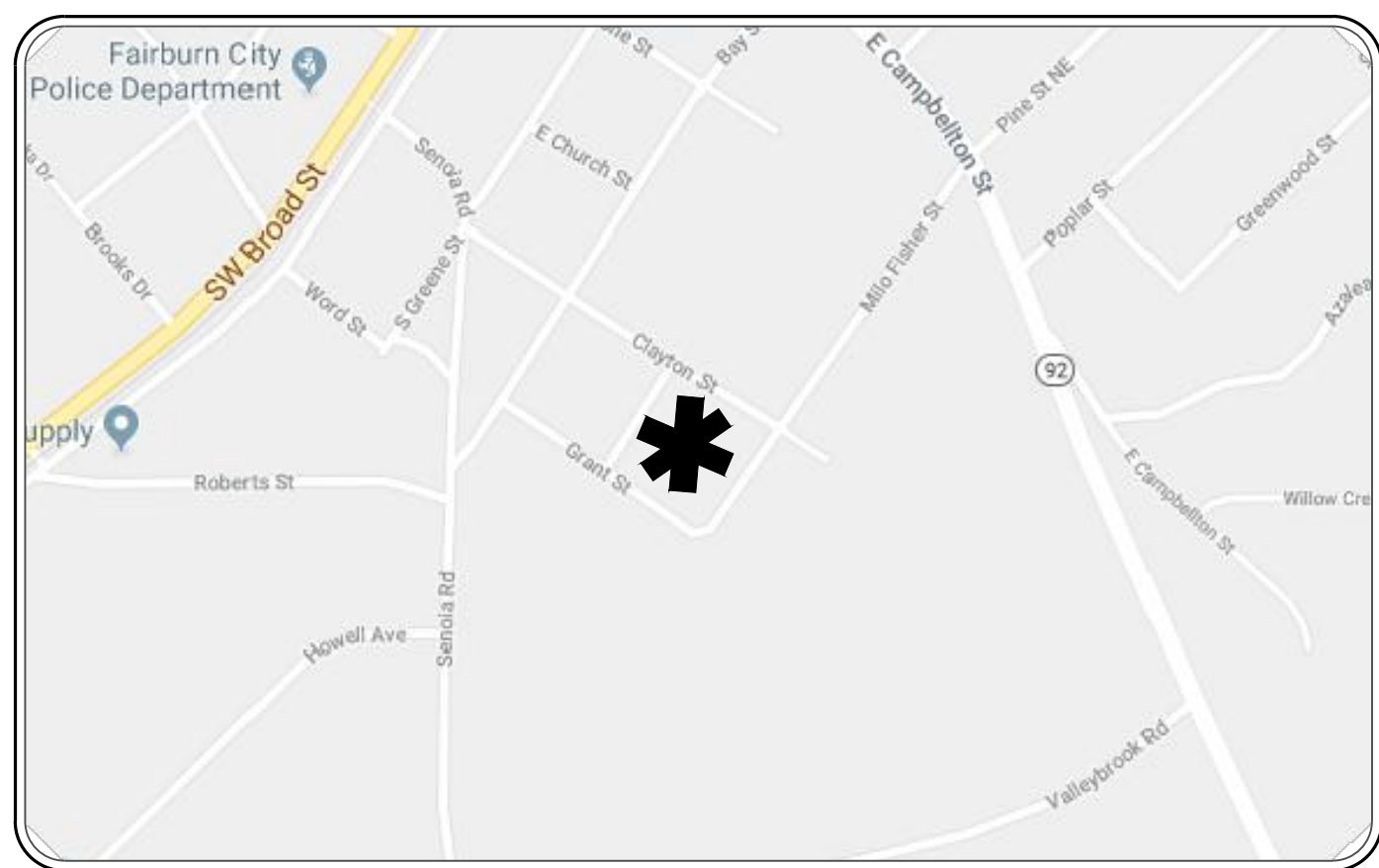
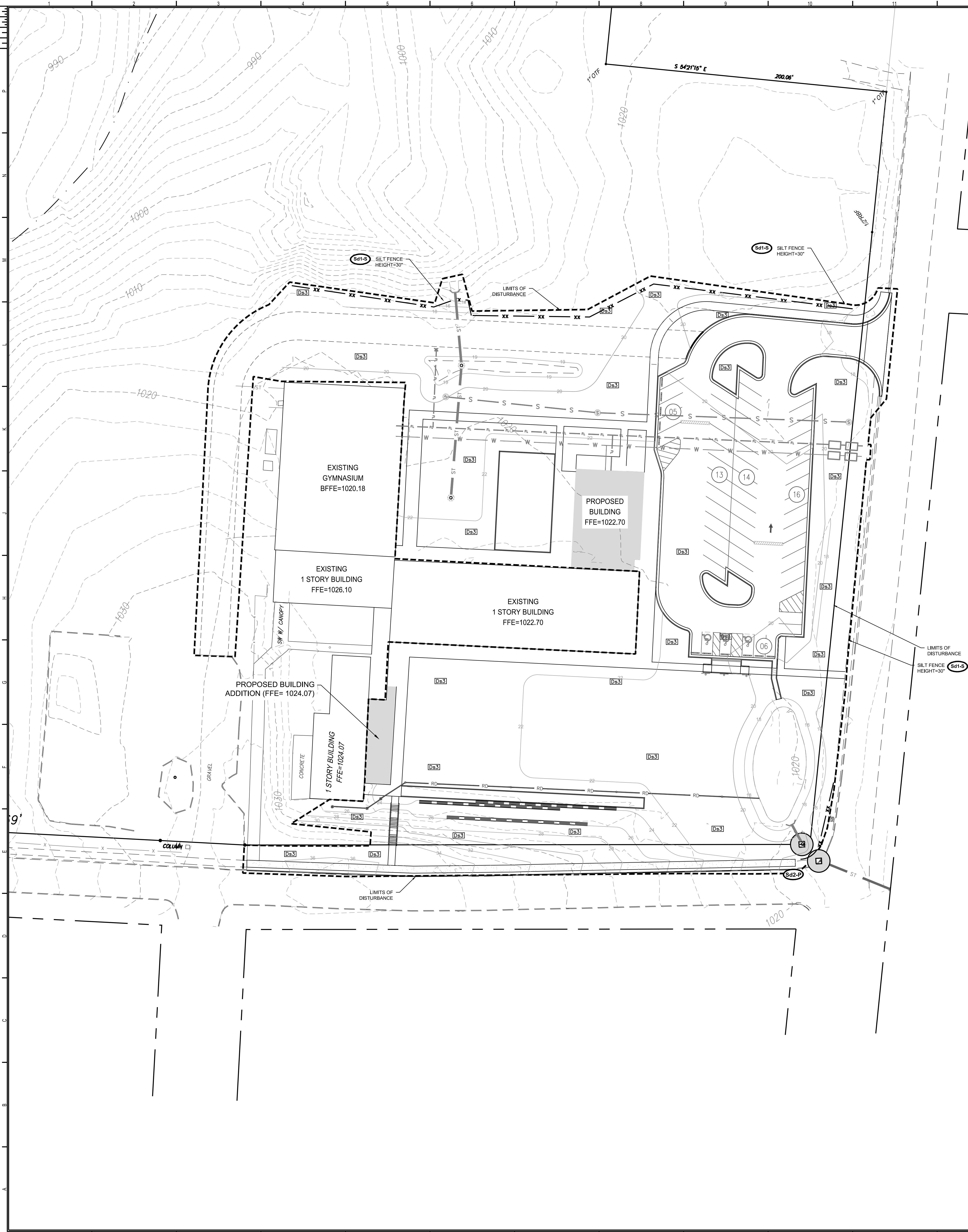
EC2.02

Drawing No. _____

NOT ISSUED FOR CONSTRUCTION

PROJECT NUMBER: 20160286 PROJECT NAME: Jonesboro High School
C:\Users\evansaadt\Documents\20160286 - Jonesboro existing
building_2015_2016-09-08_central_evansaadt.rvt
11/3/2017 4:14:56 PM
FTE=1452

PROJECT NUMBER: 20160286 PROJECT NAME: Jonesboro High School DOE Facility Code XXX-XXXX FTE-1462
C:\Users\evansaada\Documents\20160286 - Jonesboro existing building_2015_2016-09-08_central_evansaada.rvt
11/3/2017 4:14:56 PM



LOCATION MAP

N.T.S.

EROSION CONTROL NOTES

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DISTURBED AREA = 2.40 ACRES

ITEM #

GEORGIA SOIL AND WATER
CONSERVATION COMMISSION

JEREMIAH PHILLIPS, PE
LEVEL II CERTIFIED DESIGN PROFESSIONAL

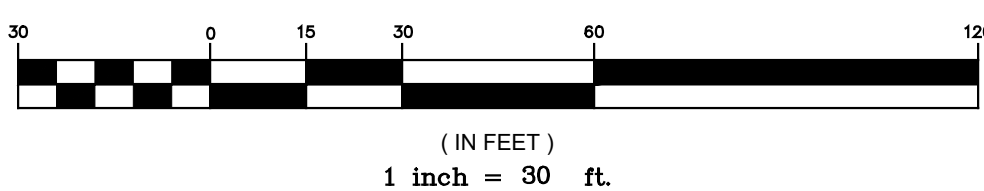
CERTIFICATION NUMBER: 0000972147
ISSUED: 08/29/2014
EXPIRES: 08/29/2022

OWNER/DEVELOPER
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50 SE BROAD STREET
FAIRBURN, GA 30213
(770) 306-0647

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24 HOUR CONTACT
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(404) 965-3350

GRAPHIC SCALE



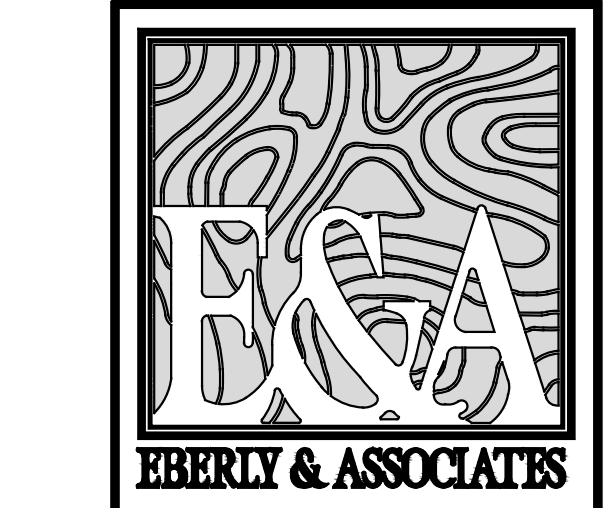
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ISSUANCES

No.	Drawing Issue	Date
1	DEMO SUBMITTAL	04/26/19

Landmark Christian School
Renovations

Landmark Christian High School

Landmark Christian School

FINAL ES & PC
PLAN

KEVIN EDWARDS

Principal-in-Charge

ANTONIO SAMPLE

Project Manager

ANTONIO SAMPLE

Project Engineer

Staff Engineer

19-033

Project No.

03/25/2019

Date

EC2.03

Drawn By:

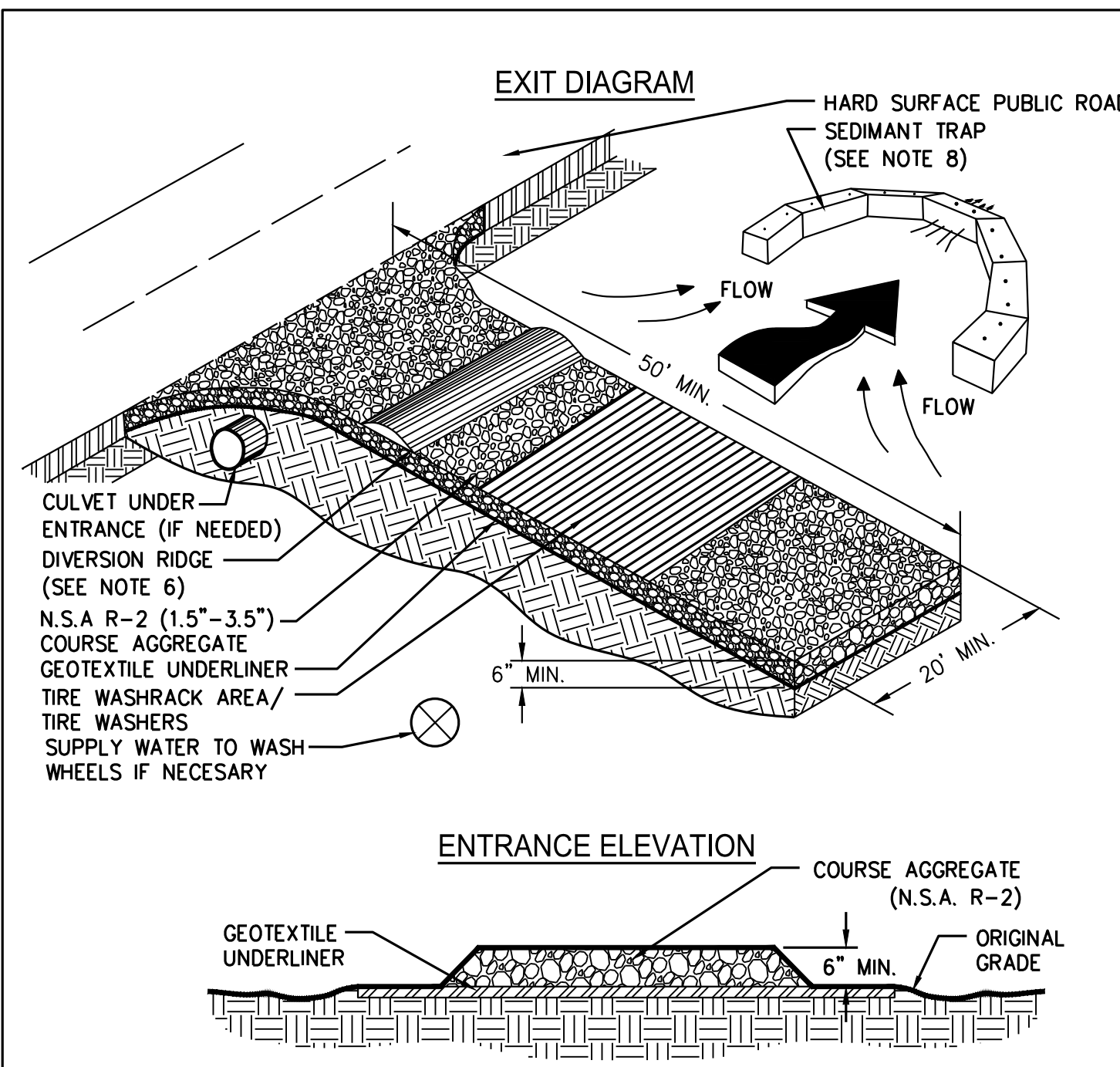
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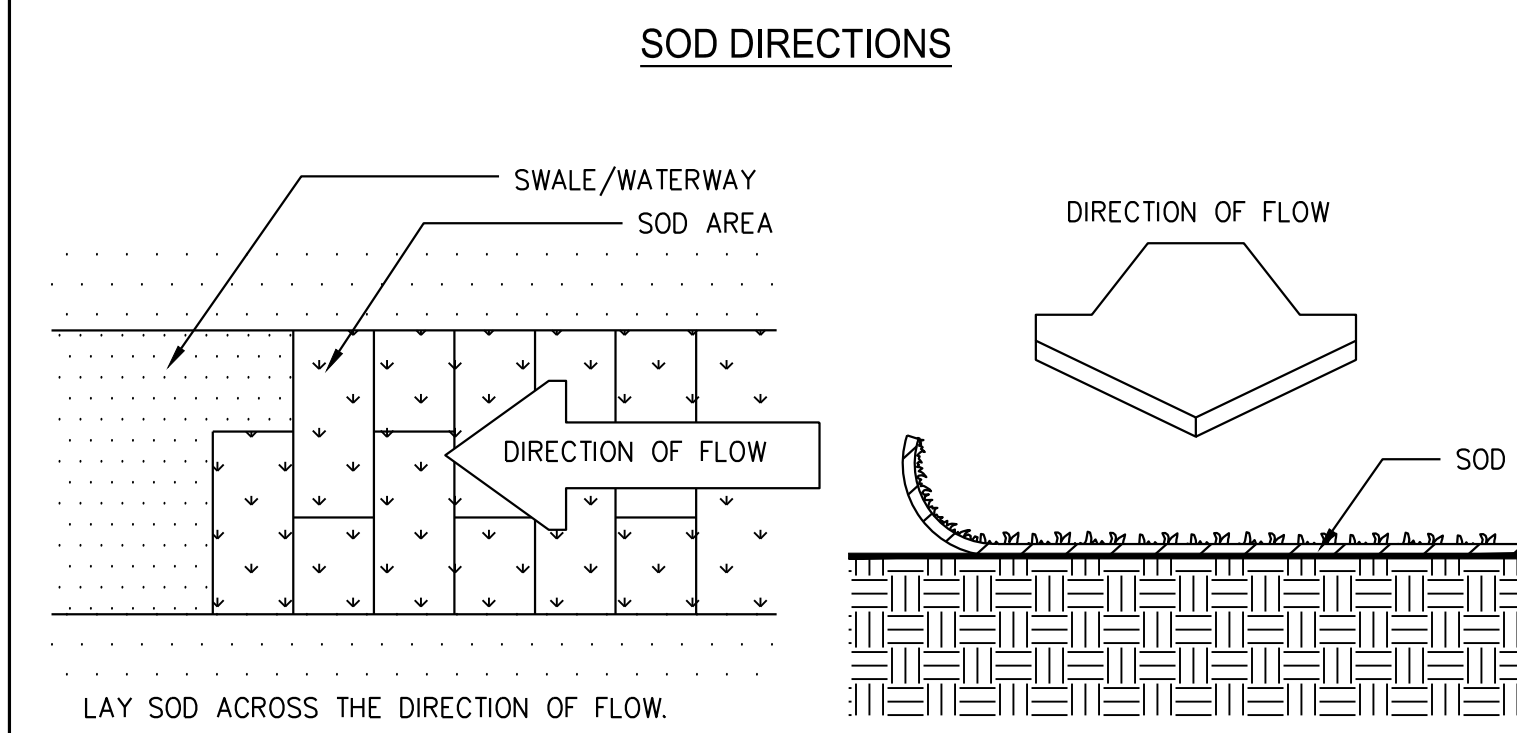
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1	DEMO SUBMITTAL	04/26/19



- MAINTENANCE:**
THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES TO TRAP SEDIMENT. ALL MATERIAL SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- NOTES:**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 11. THE GEOTEXTILE UNDERLINER MUST BE PLACED THE FULL LENGTH AND WIDTH OF THE ENTRANCE. GEOTEXTILE SELECTION SHALL BE BASED ON AASHTO M288-06 SPECIFICATION:
 - A. FOR SUBGRADES WITH CBR GREATER THAN OR EQUAL TO 3 OR SHEAR STRENGTH GREATER THAN 90 kPa, GEOTEXTILE MUST MEET REQUIREMENTS OF SECTION AASHTO M288-06 SECTION 7.3, SEPARATION REQUIREMENTS.
 - B. FOR SUBGRADES WITH CBR BETWEEN 1 AND 3 OR SHEAR STRENGTH BETWEEN 30 AND 90 kPa, GEOTEXTILE MUST MEET REQUIREMENTS OF SECTION AASHTO M288-06 SECTION 8, GEOTEXTILE PROPERTY REQUIREMENTS FOR SUBSURFACE DRAINAGE, SEPARATION, STABILIZATION, AND PERMANENT EROSION CONTROL (GEOTEXTILE PROPERTY REQUIREMENTS).

Co CONSTRUCTION EXIT
NOT TO SCALE

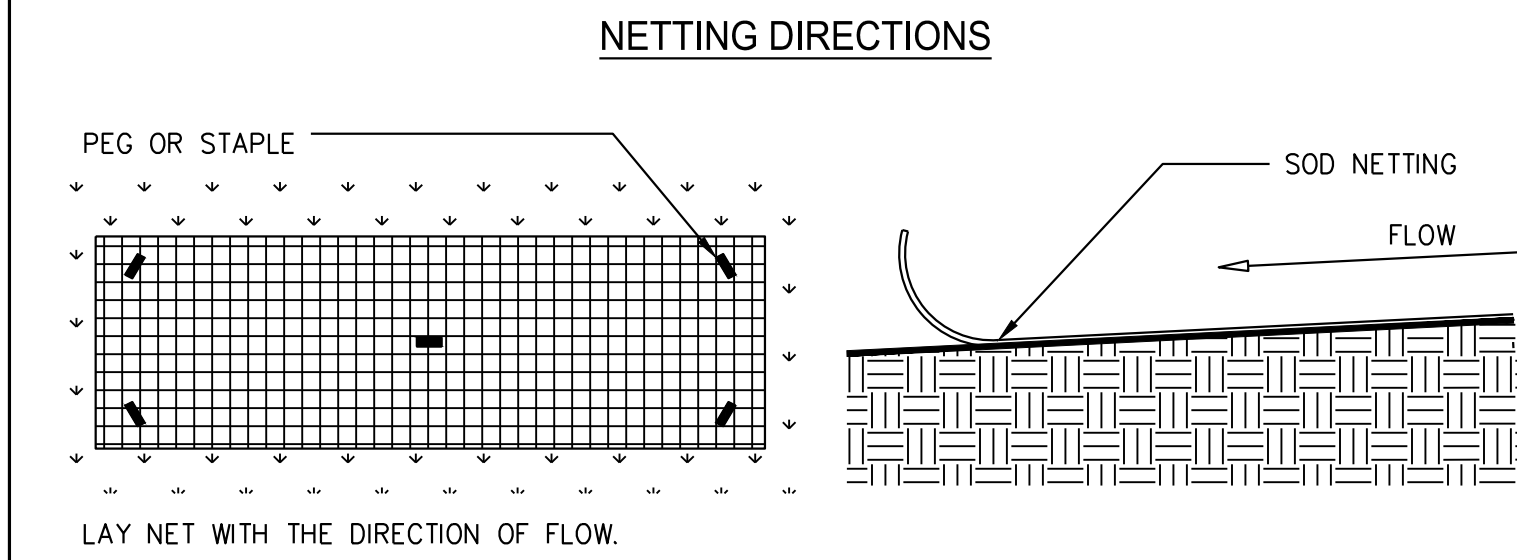


- SPECIFICATIONS:**
1. BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH, WOODY DEBRIS, STONES AND CLODS LARGER THAN 1". APPLY SOD TO SOIL SURFACES ONLY AND NOT FROZEN SURFACES, OR GRAVEL TYPE SOILS.
 2. TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DON'T USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR SOIL STERILANTS.
 3. MIX FERTILIZER INTO SOIL SURFACE. FERTILIZED BASED ON SOIL TESTS OR TABLE 6-6.1.

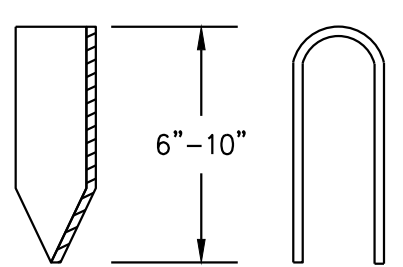
Table 6-6.1 Fertilizer Requirements for Soil Surface Application			
Fertilizer Type	Fertilizer Rate (lb/acre)	Fertilizer Rate (lb/acre ft)	Season
19-19-19	1000	225	Fall

- MATERIALS:**
SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE GENERAL AREA OF THE PROJECT IS DESIRABLE.
1. SOD SHOULD BE MACHINE CUT AND CONTAIN 3/4" (+ OR -1/4") OF SOIL, NOT INCLUDING SHOOTS OR THATCH.
 2. SOD SHOULD BE CUT TO DESIRED SIZE WITHIN + OR -5% TORN OR UNEVEN PADS SHOULD BE REJECTED.
 3. SOD SHOULD BE CUT AND INSTALLED WITHIN 36 HOURS OF DIGGING.
 4. AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT WEATHER, IF IRRIGATION IS NOT AVAILABLE.
 5. THE SOD TYPE SHOULD BE SHOWN ON THE PLANS OR INSTALLED ACCORDING TO TABLE 6-6.2.

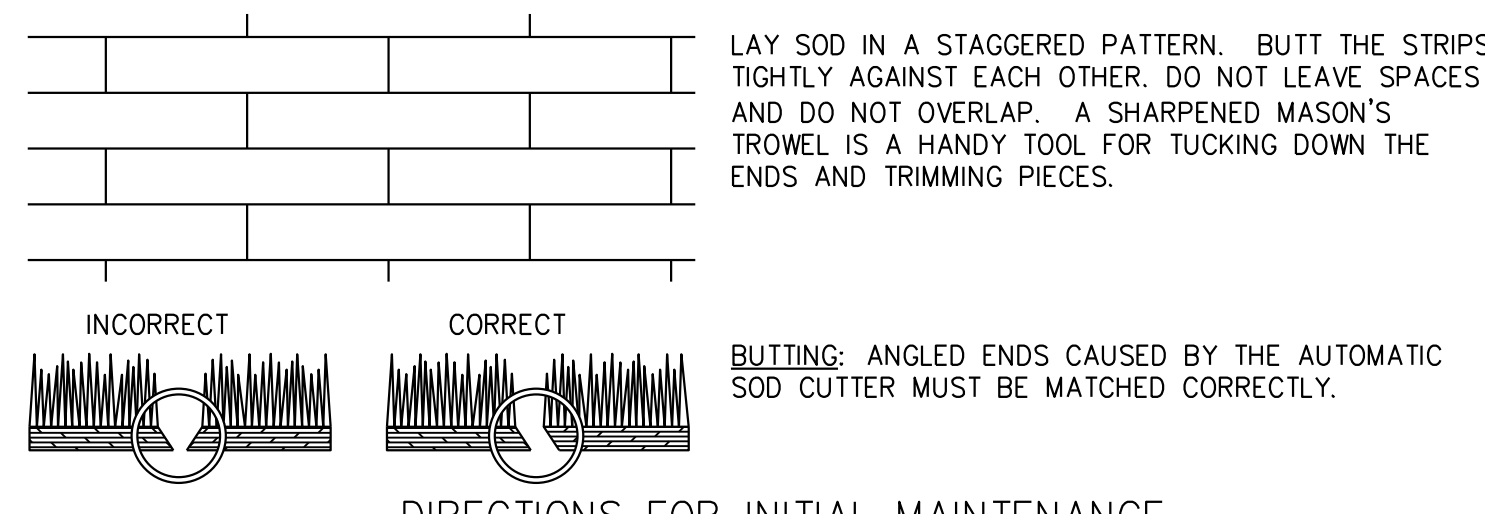
Table 6-6.2 Sod Planting Requirements			
Grass Varieties	Planting Method	Planting Season	Planting Rate (lb/acre)
Bermudagrass	Common	Warm weather	1000
St. Augustine	Common	Warm weather	1000
Zoysia	Common	Warm weather	1000
Tall Fescue	Common	Warm weather	1000



PEG DETAIL

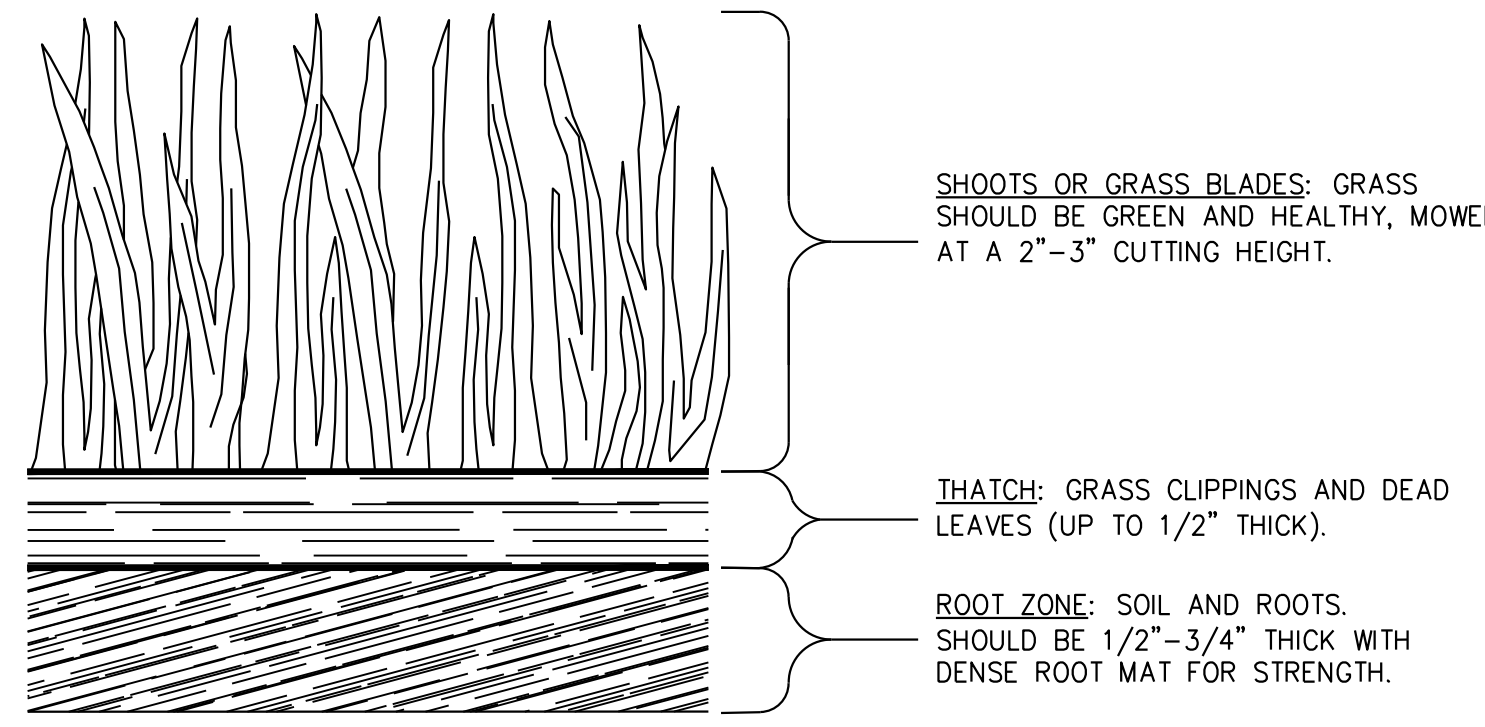


IN CRITICAL AREAS, SECURE SOD WITH NETTING USING STAPLES.
USE PEGS OR STAPLES TO FASTEN SOD FIRMLY --- AT THE ENDS OF STRIPS AND IN THE CENTER, OR EVERY 3-4 FEET IF THE STRIPS ARE LONG. WHEN READY TO MOW, DRIVE PEGS OR STAPLES FLUSH WITH THE GROUND.



- Step 1.** ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL
- Step 2.** WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.
- Step 3.** MOW WHEN THE SOD IS ESTABLISHED --- IN 2-3 WEEKS. SET THE MOWER HIGH (2"-3").

APPEARANCE OF GOOD SOD



- MAINTENANCE:**
RE-SOD AREAS WHERE AN ADEQUATE STAND OF SOD IS NOT OBTAINED. NEW SOD SHOULD BE MOWED SPARINGLY. GRASS HEIGHT SHOULD NOT BE CUT LESS THAN 2"-3" OR AS SPECIFIED.
APPLY ONE TON OF AGRICULTURAL LIME AS INDICATED BY SOIL TESTS OR TABLE 6-6.3.

Table 6-6.3 Fertilizer Requirements for Sod				
Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lb/acre)	Nitrogen Top Dressing Rate (lb/acre)
cool season grasses	first	6-12-12	1500	50-100
	second	6-12-12	1000	30
warm season grasses	first	6-12-12	1500	50-100
	second	6-12-12	800	30

- INSTALLATION:**
1. LAY SOD WITH TIGHT JOINTS AND IN STRAIGHT LINES. DON'T OVERLAP JOINTS. STAGGER JOINTS AND DO NOT STRETCH SOD.
 2. ON SLOPES STEEPER THAN 3:1, SOD SHOULD BE ANCHORED WITH PINS OR OTHER APPROVED METHODS. INSTALLED SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD CONTACT BETWEEN SOD AND SOIL.
 3. IRRIGATE SOD AND SOIL TO A DEPTH OF 4" IMMEDIATELY AFTER INSTALLATION.
 4. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR DRY WEATHER. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL FOR A MINIMUM OF 2-3 WEEKS.

Ds4 DISTURBED AREA STABILIZATION
NOT TO SCALE

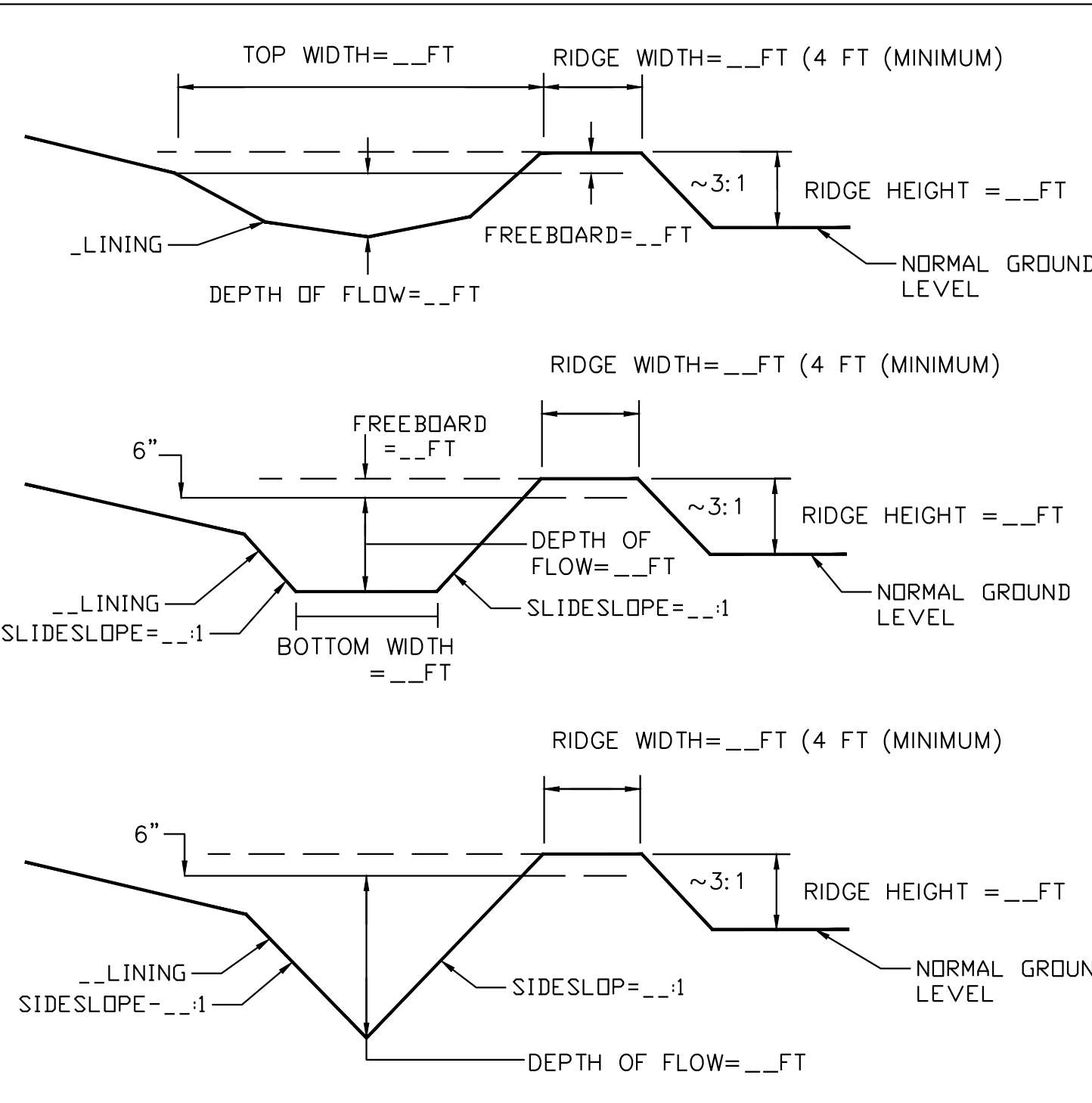
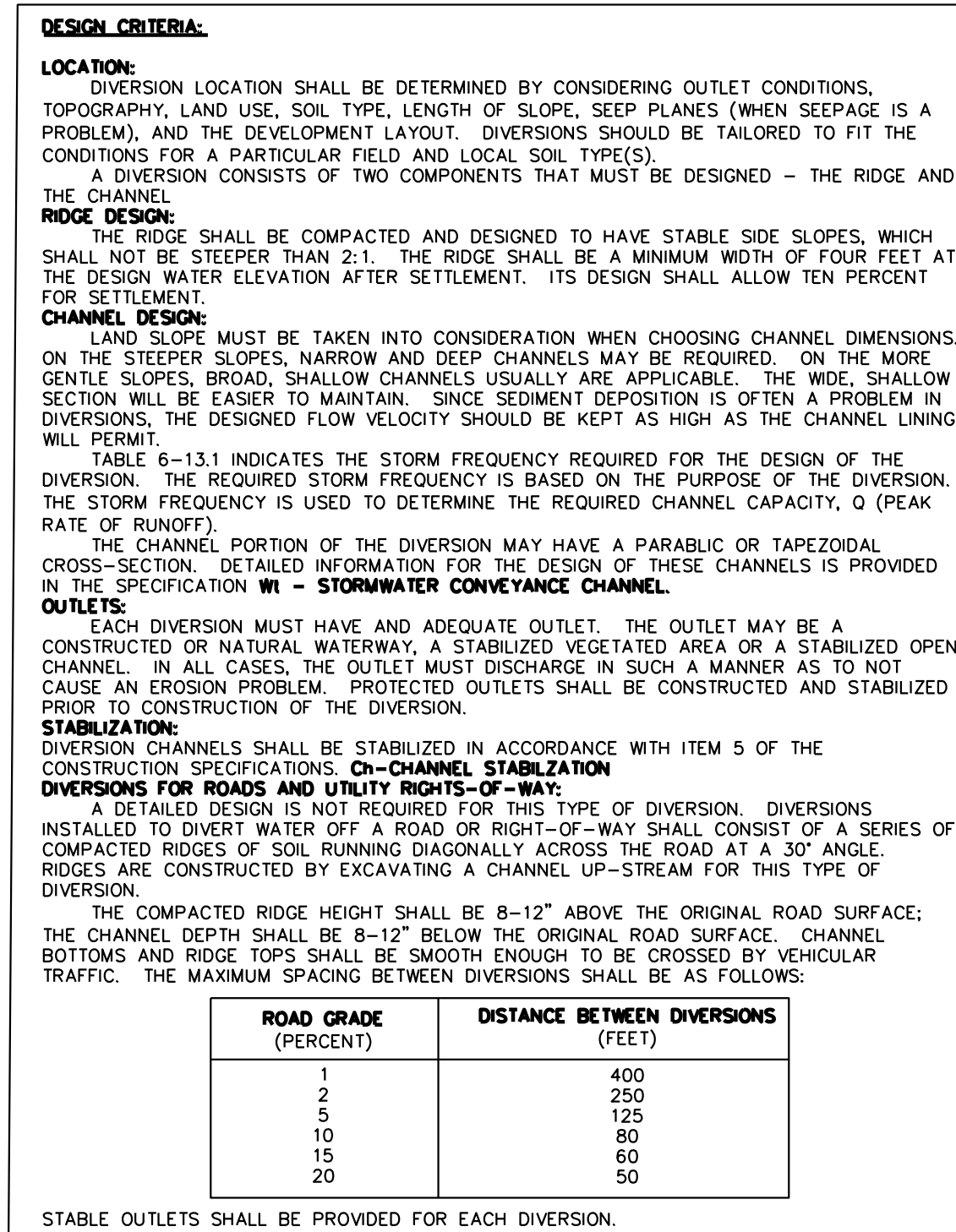
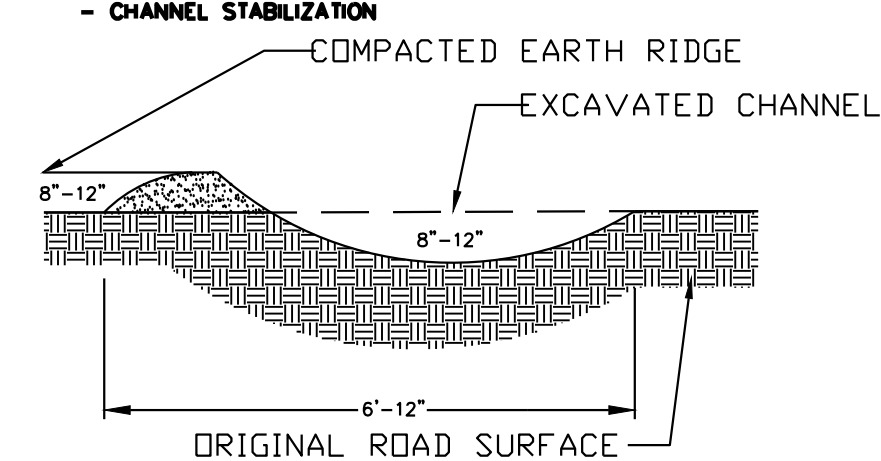


TABLE 6-17.1. DIVERSION DESIGN CRITERIA				
DIVERSION TYPE	LAND OR IMPROVEMENT PROTECTED	STORM FREQUENCY	STORM FREQUENCY	MINIMUM TOP WIDTH
TEMPORARY	CONSTRUCTION AREAS, BUILDING SITES	10 YRS	0.3'	4'
PERMANENT	LANDSCAPED, RECREATION AND SIMILAR AREAS	25 YRS	0.3'	4'
	DWELLINGS, SCHOOLS, COMMERCIAL BLDGS., AND SIMILAR INSTALLATIONS	50 YRS	0.5'	4'

1. USE 24-HR STORM DURATION
2. USE 10 YRS OR THE STORM FOR THE STORM FREQUENCY SPECIFIED IN TITLE 12 OF THE OFFICIAL CODE OF GEORGIA ANNOTATED
- SPECIFICATIONS:**
1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.
 2. THE DIVERSION SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND FREE OF IRREGULARITIES WHICH WILL IMPED NORMAL FLOW.
 3. ALL FILLS SHALL BE MACHINE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED DIVERSION.
 4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.
 5. DIVERSION CHANNEL SHALL BE STABILIZED IN ACCORDANCE WITH SPECIFICATION ON CHANNEL STABILIZATION



DI DIVERSION
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Landmark Christian School
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Landmark Christian High School

Landmark Christian School

ES & PC DETAILS

KEVIN EDWARDS	19-033
Principal in Charge	Project No.
ANTONIO SAMPLE	03/25/2019
Project Manager	Date
ANTONIO SAMPLE	
Project Engineer	
Staff Engineer	

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FOR TEMPORARY PROTECTION OF CRITICAL AREAS WITHOUT SEEDING, THIS STANDARD APPLIES TO GRADES OR CLEARED AREAS WHICH MAY BE SUBJECTED TO EROSION FOR 6 MONTHS OR LESS, WHERE SEEDING MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDANT COVER, BUT WHICH CAN BE STABILIZED WITH A MULCH COVER.		
MATERIALS	RATE	APPLICATION
DRY STRAW OR HAY	2 1/2 TONS PER ACRE	APPLY UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT. ANCHOR HAY DISK HARROW OR PACKER DISK OR WITH EMULSIFIED ASPHALT (GRADE AE-S OR SS-1) AT A RATE OF 100 GAL PER 100 GAL OF WATER FOR EACH TON OF MULCH.
WOOD WASTE, CHIPS, SAWDUST, OR BARK	2" TO 3" THICK, ABOUT 6 TO 9 TONS PER ACRE	ANCHOR WITH NETTING OF THE APPROPRIATE SIZE. OPENINGS IN THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE OF THE WOOD WASTE CHIPS.
EROSION CONTROL MATTING OR NETTING	APPLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS	APPLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS
ASPHALT SPRAY (T-908-02)	SEE PROJECT SPECIFICATIONS	APPLY UNIFORMLY
POLYETHYLENE FILM	SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL	ANCHOR TRENCH AT THE TOP OF SLOPE AS WELL AS INCREMENTALLY AS NECESSARY
MAINTENANCE REQUIREMENTS: INSPECT ALL MULCHED AREAS ON A DAILY BASIS AND AFTER EACH RAINFALL EVENT, REGRADE ERODED AREAS AND REMULCH AREAS IN WHICH THE COVER IS NO LONGER GREATER THAN 90% CONTINUOUS.		
Ds1 TEMPORARY MULCHING REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS		

Du Dust Control On Disturbed Areas

Definition:
Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

Purpose:
-To prevent surface and air movement of dust from exposed soil surfaces.
-To reduce the presence of airborne substances which may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

Conditions:
This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

Method & Materials:
A. Temporary Methods
Mulches: See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to standard Td - Tackifiers & Binders. Resins such as Curasol or Terratack should be used according to manufacturer's recommendations.
Vegetative Cover: See standard Ds2 - Disturbed Area Stabilization (With Temporary Seeding).
Spray-on Adhesives: These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to standard Td - Tackifiers & Binders.

Tillage: This practice is designed to roughen and bring clods to the surface. It is an emergency measure which should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12' apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.
Irrigation: This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.
Barriers: Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.
Calcium Chloride: Apply at rate that will keep surface moist. May need retreatment.

B. Permanent Methods
Permanent Vegetation: See standard Ds3 - Disturbed Area Stabilization (With Permanent Vegetation). Existing trees and large shrubs may afford valuable protection if left in place.
Topsailing: This entails covering the surface with less erosive material. See Tp, Stone, Cover surface with crushed stone or coarse gravel. See standard Cr - Construction Road Stabilization.

SPECIES	BROADCAST RATES 2/ - PLS 3/ PER ACRE PER 1000 S.F.	RESOURCE AREA 4/	PLANTING DATES	REMARKS
BAHIA, PENSACOLA (<i>Passiflora latifolia</i>) ALONE OR W/ OTHER TEMPORARY COVER WITH OTHER PERENNIALS	60 LBS. 30 LBS. 1.4 LBS. 0.7 LBS.	P C		186,000 SEEDS PER POUND. LOW GROWING, SOD FORMING. SLOW TO ESTABLISH. PLANT WITH A COMPANION CROP. WILL SPREAD INTO BERMUDA PASTURES AND LAWNS. MIX WITH SERICEA LESPEDEZA OR WEEPING LOVEGRASS.
BAHIA, WILMINGTON (<i>Passiflora latifolia</i>) ALONE OR W/ OTHER TEMPORARY COVER WITH OTHER PERENNIALS	60 LBS. 30 LBS. 1.4 LBS. 0.7 LBS.	M-L P		166,000 SEEDS PER POUND. LOW GROWING, SOD FORMING. SLOW TO ESTABLISH. PLANT WITH A COMPANION CROP. WILL SPREAD INTO BERMUDA PASTURES AND LAWNS. MIX WITH SERICEA LESPEDEZA OR WEEPING LOVEGRASS.
BERMUDA, COMMON (<i>Cynodon dactylon</i>) HULLED SEED ALONE WITH OTHER PERENNIALS	10 LBS. 6 LBS. 0.2 LBS. 0.1 LBS.	P C		1,787,000 SEEDS PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
BERMUDA, COMMON (<i>Cynodon dactylon</i>) UNHULLED SEED W/ TEMP COVER WITH OTHER PERENNIALS	10 LBS. 6 LBS. 0.2 LBS. 0.1 LBS.	P C		PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
BERMUDA SPRIGS (<i>Cynodon dactylon</i>) COASTAL, COMMON MOUND, OR TIFT 44 COASTAL, COMMON OR TIFT 44	40 C.F. - 0.9 C.F. SOD PLUGS 3' x 3'	M-L P C		A CUBIC FOOT CONTAINS APPROXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 CUBIC FEET OR APPROXIMATELY 800 SPRIGS. SAME AS ABOVE.
TIFT 78		C		SOUTHERN COASTAL PLAIN ONLY.
CENTPEDEE (<i>Ermacchia aphuroides</i>)	BLOCK 500 ONLY	P C		DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONC. AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTERHARDY AS FAR NORTH AS ATLANTA AND ATLANTA.
CROWN VETCH (<i>Coronilla varia</i>) WITH WINTER ANNUALS OR COOL SEASON GRASS	15 LBS. 0.3 LBS.	M-L P		100,000 SEEDS PER POUND. DENSE GROWTH. ATTRACTIVE ROSE, PINK AND WHITE BLOSSOMS SPRING TO LATE FALL. MIX W/ 30 LBS. OF TALL FESCUE OR 15 LBS. OF RYE INOCULATE SEED WITH M INOCULANT. USE FROM NORTH ATLANTA AND NORTHWARD.
FESCUE, TALL (<i>Festuca arundinacea</i>) ALONE W/ OTHER PERENNIALS	50 LBS. 30 LBS. 1.1 LBS. 0.7 LBS.	M-L P		227,000 SEEDS PER POUND. USE ALONE ONLY ON BETTER SITES. NOT FOR DROUGHT SOIL. MIX WITH PERENNIAL LESPEDEZAS OR CROWN VETCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTING. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.
KUDZU (<i>Pueraria thurbergiana</i>) PLANTS OR CROWNS	3" - 7" APART	ALL		RAPID AND VIGOROUS GROWTH. EXCELLENT IN GULLY EROSION CONTROL. WILL CLIMB GOOD LIVESTOCK FORAGE.
LESPEDEZA Amora virgata (<i>Lespedeza virgata</i> DC) OR Arrowleaf (<i>Lespedeza cuneata</i> [Bumant] G. Don.)		M-L P C		300,000 SEEDS PER POUND. HEIGHT OF GROWTH IS 18 TO 24 INCHES. ADVANTAGES IN URBAN AREAS. SPREADING-TYPE GROWTH. NEW GROWTH HAS BRONZE COLORATION. MIX W/ WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, TALL FESCUE, OR WINTER ANNUALS. DO NOT MIX W/ SERICEA LESPEDEZA. SLOW TO DEVELOP. SOLID STANDS. INOCULATE SEED W/ EL INOCULANT.
SCARIFIED	60 LBS. 1.4 LBS.	M-L P C		
UNSCARIFIED	70 LBS. 1.7 LBS.	M-L P C		

SPECIES	BROADCAST RATES 2/ - PLS 3/ PER ACRE PER 1000 S.F.	RESOURCE AREA 4/	PLANTING DATES	REMARKS
LESPEDEZA, SERICEA (<i>Lespedeza cuneata</i>) SCARIFIED	60 LBS. 1.4 LBS.	M-L P C		350,000 SEEDS PER POUND. WIDELY ADAPTED, LOW MAINTENANCE. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, OR TALL FESCUE. TAKES 2 TO 3 YEARS TO BECOME FULLY ESTABLISHED. EXCELLENT ON ROADBANKS. INOCULATE SEED W/ EL INOCULANT.
UNSCARIFIED	75 LBS. 1.7 LBS.	M-L P C		MIX WITH TALL FESCUE OR WINTER ANNUALS
SEED-BEARING HAY	3 TONS 1338 LBS.	M-L P C		CUT WHEN SEED MATURE, BUT BEFORE IT SCATTERS. ADD TALL FESCUE OR WINTER ANNUALS.
LESPEDEZA, SHRUB (<i>Lespedeza bicolor</i>) (<i>Lespedeza thunbergii</i>) PLANTS	3' x 3'	M-L P C		PROVIDES WILDLIFE FOOD AND COVER.
LOVEGRASS, WEEPING (<i>Eragrostis curvula</i>) ALONE W/ OTHER PERENNIALS	4 LBS. 2 LBS. 0.1 LBS. 0.05 LBS.	M-L P C		1,500,000 SEEDS PER POUND. QUICK COVER. DROUGHT TOLERANT. GROWS WELL WITH SERICEA LESPEDEZA ON ROADBANKS
MAIDEN CARE (<i>Penicum hemiltonianum</i>) SPRIGS	2' x 3' SPACING	ALL		FOR VERY WET SITES. MAY CLOG CHANNELS. DIG SPRIGS FROM LOCAL SOURCES. USE ALONG RIVER BANKS AND SHORELINES
PANICGRASS ATLANTIC COASTAL (<i>Panicum amarum var. amarum</i>)	20 LBS. 0.5 LBS.	P C		GROWS WELL ON COASTAL SAND DUNES. BORROW AREAS, AND GRAVEL PITS. PROVIDES WINTER COVER FOR WILDLIFE. MIX WITH SERICEA LESPEDEZA EXCEPT ON SAND DUNES.
RED CANARY GRASS (<i>Phalaris arundinacea</i>) ALONE WITH OTHER PERENNIALS	50 LBS. 30 LBS. 1.1 LBS. 0.7 LBS.	M-L P		GROWS SIMILAR TO TALL FESCUE.
SUNFLOWER "AZTEC" MAXIMILLIAN (<i>Helianthus maximilianii</i>)	10 LBS. 0.2 LBS.	M-L P C		227,000 SEEDS PER POUND. MIX WITH WEEPING LOVEGRASS OR OTHER LOW-GROWING GRASSES OR LEGUMES.

THICK LINES INDICATE OPTIMUM DATES, THIN LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.

1/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
2/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED. REFER TO SECTION V.E. OF THESE SPECIFICATIONS.
3/ M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRA'S.
P REPRESENTS THE SOUTHERN PIEDMONT MLRA.
C REPRESENTS THE SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MLRA'S.

Ds3 PERMANENT GRASSING

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS.

SPECIES	BROADCAST RATES 2/ - PLS 3/ PER ACRE PER 1000 S.F.	RESOURCE AREA 4/	PLANTING DATES												REMARKS
			J	F	M	A	M	J	J	A	S	O	N	D	
BARLEY (<i>Hordeum vulgare</i>) ALONE IN MIXTURES	144 LBS. 24 LBS.	M-L P C													14,000 SEEDS PER POUND. WINTERHARDY. USE ON PRODUCTIVE SOILS.
LESPEDEZA, ANNUAL (<i>Lespedeza striata</i>) ALONE IN MIXTURES	40 LBS. 10 LBS.	M-L P C													200,000 SEEDS PER POUND. MAY VOLUNTEER PER SEVERAL YEARS. USE INOCULANT EL.
LOVEGRASS, WEEPING (<i>Eragrostis curvula</i>) ALONE IN MIXTURES	4 LBS. 2 LBS.	M-L P C													1,500,000 SEEDS PER POUND. MAY LAST FOR SEVERAL YEARS. MIX WITH SERICEA LESPEDEZA
MILLET, BROWNTOP (<i>Panicum fasciculatum</i>) ALONE IN MIXTURES	40 LBS. 10 LBS.	M-L P C													137,000 SEEDS PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEED AT HIGH RATES.
MILLET, PEARL (<i>Pennisetum glaucum</i>) ALONE IN MIXTURES	50 LBS. 1.1 LBS.	M-L P C													88,000 SEEDS PER POUND. QUICK, DENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED IN MIXTURES
OATS (<i>Avena sativa</i>) ALONE IN MIXTURES	128 LBS. 32 LBS.	M-L P C													13,000 SEEDS PER POUND. USE ON PRODUCTIVE SOILS. NOT AS WINTERHARDY AS RYE OR BARLEY.
RYE (<i>Secale cereale</i>) ALONE IN MIXTURES	168 LBS. 28 LBS.	M-L P C													18,000 SEEDS PER POUND. QUICK COVER. DROUGHT TOLERANT AND WINTERHARDY.
RYEGRASS, ANNUAL (<i>Lolium temerulentum</i>) ALONE	40 LBS. 0.9 LBS.	M-L P C													227,000 SEEDS PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
SUDANGRASS (<i>Sorghum sudanese</i>) ALONE	60 LBS. 1.4 LBS.	M-L P C													55,000 SEEDS PER POUND. GOOD ON DROUGHTY SITES. NOT RECOMMENDED FOR MIXTURES.
TRITICALE (<i>x-Triticosecale</i>) ALONE IN MIXTURES	144 LBS. 24 LBS.	C													USE ON LOWER PART OF SOUTHERN COASTAL PLAIN AND IN ATLANTIC COASTAL FLATWOODS ONLY.
WHEAT (<i>Triticum aestivum</i>) ALONE IN MIXTURES	180 LBS. 30 LBS.	M-L P C													15,000 SEED PER POUND. WINTERHARDY.

1/ TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWD OUT PERENNIALS IF SEED AT TOO HEAVY.
2/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
3/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED.
4/ M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRA'S.
P REPRESENTS THE SOUTHERN PIEDMONT MLRA.
C REPRESENTS THE SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MLRA'S.

Ds2 TEMPORARY GRASSING

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS.

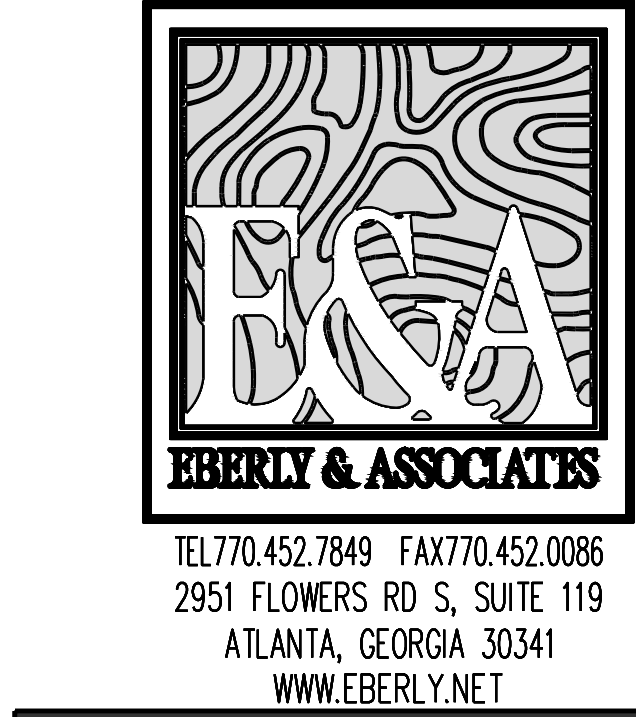
SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 1/2/ 30
COOL SEASON GRASSES AND LEGUMES		6-12-12 0-10-10 0-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 1/ -
GROUND COVERS		10-10-10 0-10-10 10-10-10	1300 LBS./AC. 3/ 1300 LBS./AC. 3/ 1100 LBS./AC.	- - -
PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	-
SHRUB LESPEDEZA	FIRST MAINTENANCE	0-10-10 0-10-10	700 LBS./AC. 700 LBS./AC. 4/	-
TEMPORARY COVER CROPS SEED AT ALONE	FIRST	10-10-10	500 LBS./AC.	30 LBS./AC. 5/
COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS./AC. 800 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 2/6/ 50-100 LBS./AC. 2/ 30LBS./AC.
WARM SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 0-10-10 0-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50 LBS./AC. 6/

1/ APPLY IN SPRING FOLLOWING SEEDING.
2/ APPLY IN SPLIT APPLICATIONS WITH HIGH RATES ARE USED.
3/ APPLY IN 3 SPLIT APPLICATIONS.
4/ APPLY WHEN PLANTS ARE PRUNED.
5/ APPLY TO GRASS SPECIES ONLY.
6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

FERTILIZER AND MULCHING REQUIREMENTS

NOTES:
1. PERMANENT GRASSING SHALL BE APPLIED TO GRADED AREAS THAT WILL BE UNDISTURBED FOR MORE THAN 6 MONTHS.
2. APPLY TO ALL AREAS IMMEDIATELY AFTER THEY HAVE REACHED FINAL GRADE.
3. APPLY AGRICULTURAL LIME AT A RATE OF 1-2 TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE.
4. RYE GRASS SHALL NOT BE USED IN ANY SEEDING MIXTURE CONTAINING PERENNIAL SPECIES DUE TO ITS ABILITY TO OUT-COMPETE DESIRED SPECIES CHOSEN FOR PERMANENT PERENNIAL COVER.
5. FOR HYDRAULIC SEEDING, MIX SEED, FERTILIZER AND WOOD CELLULOSE OR WOOD PULP FIBER WITH WATER AND APPLY IN SLURRY UNIFORMLY OVER THE TREATED AREA. APPLY WITHIN 1 HOUR OF MIXING. MULCH IS TO BE APPLIED AT A RATE OF 500 LBS. PER ACRE.
6. FOR CONVENTIONAL SEEDING USE A CULTI-SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER OR HAND SEED UNIFORMLY OVER THE SEED WITH 1/8" TO 1/2" OF SOIL. PROVIDE TEMPORARY MULCHING WITHIN 24 HOURS OF SPREADING SEED. MULCH SHALL COVER 75% OF THE SOIL SURFACE.
MAINTENANCE REQUIREMENTS:
PROVIDE PERIODIC INSPECTIONS AND AFTER EACH RAINFALL EVENT AND REGRASS AREAS THAT ARE BARE OR HAVE ERODED. EXCLUDE TRAFFIC ON GRASSSED AREAS UNTIL GRASS IS ESTABLISHED. MOW AS REQUIRED.

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS



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ISSUANCES		
No.	Drawing Issue	Date
1	DEMO SUBMITTAL	04/26/19

Landmark Christian School
Renovations

Landmark Christian High School
Landmark Christian School

ES & PC DETAILS

KEVIN EDWARDS	19-033
Principal in Charge	Project No.
ANTONIO SAMPLE	03/25/2019
Project Manager	Date
ANTONIO SAMPLE	
Project Engineer	
Staff Engineer	

EC3.02