

# SITE DEVELOPMENT PLANS FOR FAYETTE COUNTY FIRE STATION NO. 2

1330 GA HWY 92, FAYETTE COUNTY, GA.

## NOTES:

1. ALL WORK SHALL COMPLY WITH FAYETTE COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. CONTRACTOR SHALL OBTAIN ALL PERMITS BEFORE CONSTRUCTION BEGINS.
3. PROPERTY IS ZONED R-70 (RESIDENTIAL).
4. PROPOSED BUILDING TO BE: 8,387 SQ. FT.
5. TOTAL SITE AREA- 4.08 Acres.  
INITIAL DISTURBED AREA- 0.43 Acres.  
INTERMEDIATE/ FINAL/ TOTAL DISTURBED AREA- 1.61 Acres.
6. PROPOSED USE FOR FACILITY: FIRE STATION.
7. CONTRACTOR WILL BE RESPONSIBLE TO CALL UTILITY PROTECTION CENTER PRIOR TO ANY EXCAVATION: 811.
8. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION AND EXISTENCE OF ALL UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION.
9. FILL MATERIAL IS TO BE PLACED IN 6" LIFTS AND COMPACTED TO 95% MAXIMUM STANDARD PROCTOR DENSITY.
10. WATER SERVICE PROVIDED BY FAYETTE COUNTY WATER DEPT.
11. SEWER SERVICE PROVIDED BY ON-SITE SEPTIC SYSTEM.
12. MAXIMUM CUT/FILL 2.0H+1V.
13. AREAS TO RECEIVE FILL SHALL BE CLEARED OF TOPSOIL, TREES, VEGETATION, AND ANY ORGANIC MATERIAL PRIOR TO FILLING.
14. "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."
15. "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."
16. TEMPORARY VEGETATION WILL BEGIN TWO WEEKS FROM THE INITIAL DISTURBANCE.
17. ANY AREAS ON SITE LEFT INACTIVE FOR MORE THAN TWO WEEKS MUST BE STABILIZED WITH GRASS.
18. BOUNDARY & TOPOGRAPHY BY DOUGLAS CONSULTING LLC, 248 GILLIAM CT., LOCUST GROVE, GA 30248, (770) 288-2117, DATED 09-03-18.
19. SETBACKS: FRONT-75', SIDE-25' & REAR-50'.
20. THERE **ARE NO STATE WATERS** LOCATED ON OR WITHIN 200' OF THE SITE.
21. THERE **ARE NO WETLANDS** LOCATED ON OR WITHIN 200' OF THIS SITE.
22. NO BURIAL PITS WILL BE ALLOWED ON THIS SITE.
23. PARCEL ID. 0548 114.
24. TOTAL PROPOSED BUILDING AREA (0.20 AC.) = 8,842 SF = 14% OF SITE.  
TOTAL PAVED AREA (0.36 AC.) = 15,482 SF = 24% OF SITE.
25. TOTAL NO. OF PARKING SPACES REQUIRED: 21 SPACES (3 SPACES PER BED).  
TOTAL NO. OF PARKING SPACES DESIGNED: 24 SPACES DESIGNED: 22 10'x20' SPACES.  
PLUS 1-8'x20' HANDICAPPED VAN SPACE W/ 8' ACCESS AISLE & 1-9'x20' STD. HANDICAPPED SPACE.
26. ALL RADII ARE MEASURED TO THE FACE OF CURB.
27. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING CONSTRUCTION.
28. CONTRACTOR IS RESPONSIBLE FOR ALL TIE-INS TO THE BUILDINGS INCLUDING BUT NOT LIMITED TO DOWNSPOUTS, UNLESS OTHERWISE SPECIFIED.
29. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND CONSTRUCTING ALL UTILITY RELOCATIONS AS NECESSARY.
30. IT IS THE CONTRACTOR'S RESPONSIBILITY TO WORK ALL APPLICABLE DRAWINGS AND APPROPRIATE SPECIFICATIONS AS A UNIT. ANY OMISSIONS, DELETIONS, OR CONFLICTS WITH ARISING AS A RESULT OF FAILURE TO INCORPORATE ALL DRAWINGS AND SPECIFICATIONS WHICH APPLY SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER AND/OR ENGINEER.
31. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING AND PROPOSED STRUCTURES.
32. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE CONSTRUCTION TO BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL APPLICABLE CODES, FIRE MARSHAL, AND HANDICAP REQUIREMENTS INCLUDING BUT NOT LIMITED TO THE FEDERAL FAIR HOUSING ACT, LOCAL AND STATE ACCESSIBILITY, DEPT. OF COMMUNITY AFFAIRS AND ALL LENDING INSTITUTION REQUIREMENTS, THE AMERICANS WITH DISABILITIES ACT AND ALL AMENDMENTS THERETO.
33. THIS PROJECT WILL BE PUBLICLY FUNDED.
34. THIS PROJECT IS LOCATED WITHIN A GROUNDWATER RECHARGE AREA.
35. BASED ON THE SURVEY PROVIDED, THERE ARE NO EXISTING EASEMENTS ASSOCIATED WITH THIS PROPERTY.

## FAYETTE COUNTY DEPARTMENTAL APPROVAL

FAYETTE COUNTY ENGINEER	DATE
FAYETTE COUNTY FIRE MARSHAL	DATE
ENVIRONMENTAL HEALTH	DATE
ENVIRONMENTAL MANAGEMENT	DATE
FAYETTE CO. ZONING ADMINISTRATOR	DATE

## OWNER/DEVELOPER:

24 HOUR CONTACT  
PRIMARY PERMITTEE  
FAYETTE COUNTY  
DAVID SCARBROUGH  
140 Stonewall Ave. W.  
Fayetteville, GA. 30214  
PH: 770-305-5174

## Location Map N.T.S.

MUD AND SILT ARE STRICTLY PROHIBITED FROM  
LEAVING THIS SITE.

LEGEND			
P.O.B.	POINT OF BEGINNING	EXISTING	EX.
P.O.R.	POINT OF REFERENCE	PROPOSED	PR.
O.T.P.	OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F.	IRON PIN FOUND	PR. FIRE HYDRANT	PR.
I.P.S.	IRON PIN SET	PR. FIRE HYDRANT	PR.
P.L.	PROPERTY LINE	EX. FIRE HYDRANT	EX.
C.M.F.	CONCRETE MONUMENT FOUND	EX. WATER VALVE	EX.
L.L.L.	LAND LOT LINE	PR. WATER VALVE	PR.
B.O.C.	BACK OF CURB	PR. WATER VALVE	PR.
E.O.P.	EDGE OF PAVEMENT	WATER METER	WM
T.W.	TOP OF WALL	ELECTRIC BOX	EB
B.W.	BOTTOM OF WALL	FLARED END SECTION	FL
D.E.	DRAINAGE EASEMENT	SANITARY SEWER LINE	SS
⊙	SANITARY SEWER MANHOLE - SA	WATER LINE	W
⊙	JUNCTION BOX (JB)	SIGN	S
⊙	DOUBLE-WING CATCHBASIN (DWCB)	FENCE	F
⊙	SINGLE-WING CATCHBASIN (SWCB)	LT-DUTY ASPHALT PAVING	LT
⊙	DROP INLET (DI)	HEAVY-DUTY ASPHALT PAVING	HD
⊙	HEADWALL		
⊙	DRAINAGE FLOW		
⊙	LIGHT POLE (LP)		
⊙	POWER POLE (PP)		

BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS  
FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE  
PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13113C 0038E

DATED: SEPTEMBER 6, 2008

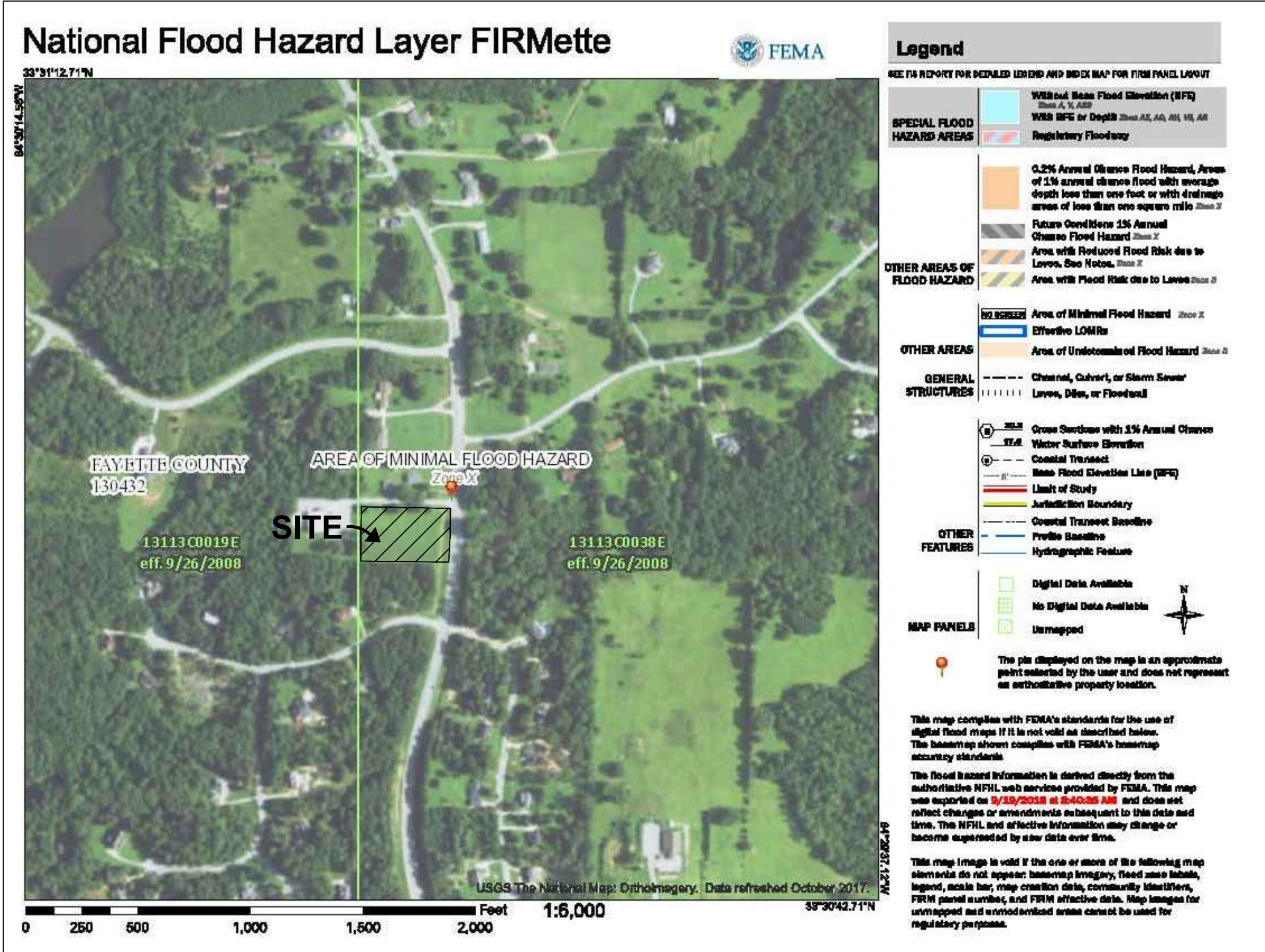


## CAUTION

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CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT  
SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO  
RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE  
THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE  
LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK.  
ALL DAMAGE MADE TO EXISTING UTILITIES BY THE  
CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE  
CONTRACTOR.

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- C2. EX. CONDITIONS / DEMOLITION PLAN.
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- C5. UTILITY PLAN.
- C6. INITIAL PERIMETER ES&PC PLAN.
- C7. INTERMEDIATE ES&PC PLAN.
- C8. FINAL ES&PC PLAN.
- C9. EROSION CONTROL DETAILS.
- C10. WATER QUALITY POND PLAN & DETAILS.
- C11. NPDES NOTES.
- C12. CONSTRUCTION DETAILS.
- C13. WATER & SEWER DETAILS.
- C14. SEPTIC SYSTEM SITE PLAN.



**Paramount**  
ENGINEERING, LLC  
11 E. BROAD ST.  
NEWNAN, GA. 30263  
PH: (770) 473-9576  
george@paramountengineering.com



REV.	DATE:	DESCRIPTION:
		NOT FOR CONSTRUCTION
		DRAWING NO: 280712 - FCFS 2

PROJECT: Fayette Co. Fire Station No.2	FAYETTE COUNTY
SHEET: COVER SHEET	5TH DISTRICT
LL 256	DRAWN BY: GPH
DATE: 10/30/2018	SCALE: NTS

SHEET

C1



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COMMUNITY PANEL #13113C 0038E

DATED: SEPTEMBER 6, 2008

DEMOLITION NOTES:

1. CONTRACTOR SHALL OBTAIN PERMITS FROM THE FAYETTE COUNTY, UTILITY COMPANIES AND ALL OTHER ENTITIES AS REQUIRED BEFORE COMMENCING ANY WORK ON SITE.
2. NO WORK SHALL BE DONE IN RIGHT-OF-WAY WITHOUT OBTAINING PROPER PERMITS AND NOTIFYING THE APPROPRIATE DEPARTMENTS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
3. PRIOR TO DISPOSAL OF WASTE MATERIALS OFF-SITE, ALL PERMITTING AND ANY AUTHORIZATIONS REQUIRED, SHALL BE IN PLACE.
4. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES THE REMOVAL AND RELOCATION OF ANY EXISTING LINES, POLES, LIGHTS, ETC. (SHOWN OR NOT SHOWN ON PLANS).
5. NO BURNING OF MATERIAL ON-SITE SHALL BE PERFORMED WITHOUT OBTAINING PROPER PERMITS FROM LOCAL AND/OR STATE AUTHORITIES.
6. UTILITIES TO REMAIN ON-SITE SHALL BE SAFEGUARDED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. (NOT ALL UTILITIES MAY BE SHOWN ON PLANS).
7. THE CONTRACTOR SHALL TAKE PRECAUTIONS SO AS NOT TO DISTURB ADJOINING PROPERTIES DURING DEMOLITION AND CONSTRUCTION. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY FOR THE COST OF ANY DAMAGES TO EXISTING STRUCTURES, ASPHALT, BUILDINGS, ETC. ON THE ADJOINING PROPERTIES IF DAMAGED DURING CONSTRUCTION.
8. CONTRACTOR SHALL COORDINATE WITH OWNER REGARDING ALL UNDERGROUND UTILITIES WITHIN PROJECT AREA. CONTRACTOR SHALL REMOVE OR RELOCATE AS REQUIRED.

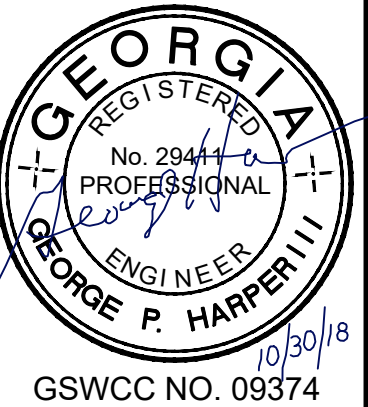
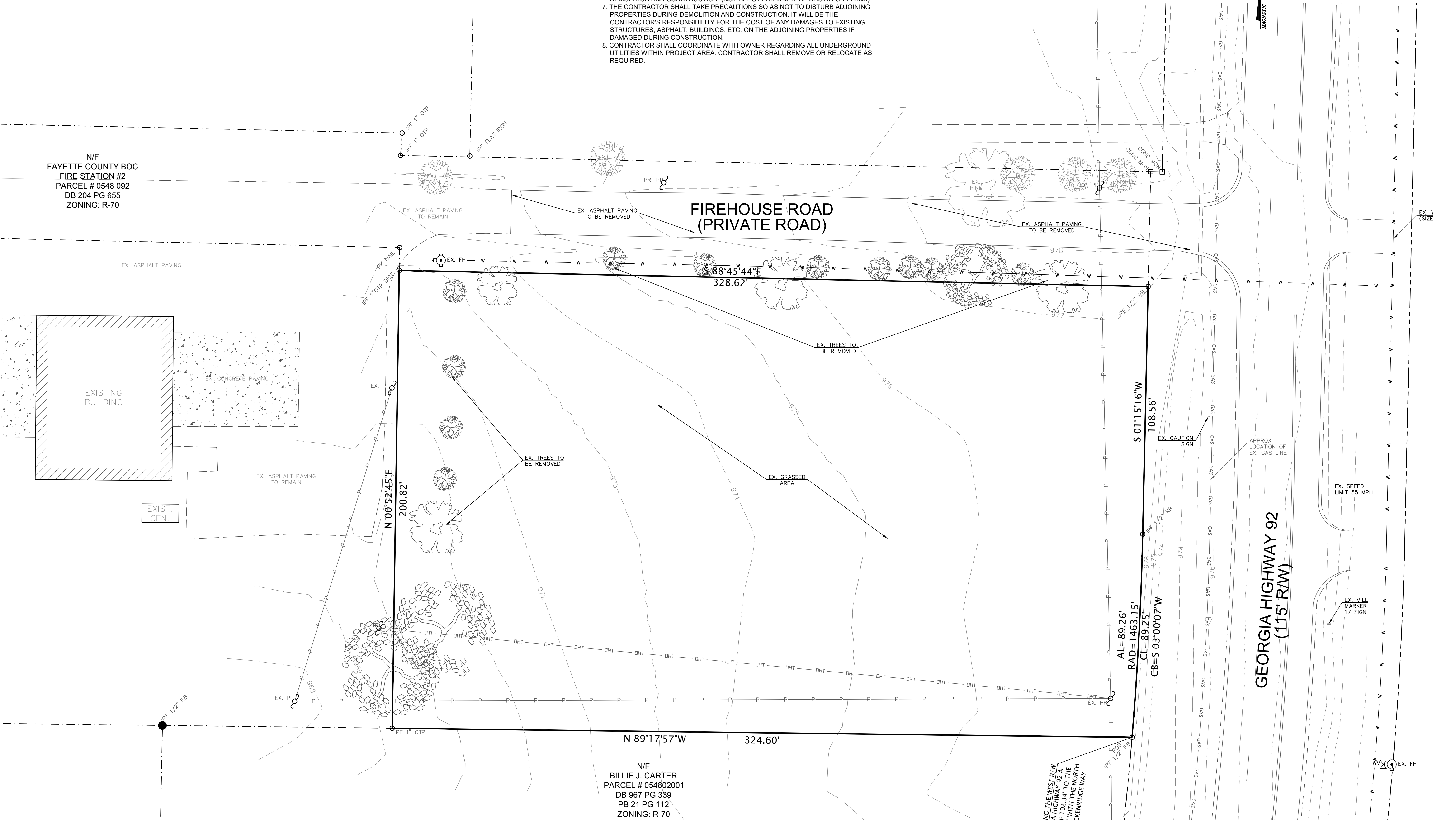
OWNER/DEVELOPER:

24 HOUR CONTACT  
PRIMARY PERMITTEE  
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DAVID SCARBROUGH  
140 Stonewall Ave. W.  
Fayetteville, GA. 30214  
PH: 770-305-5174



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REV.	DATE:	DESCRIPTION:
		NOT FOR CONSTRUCTION

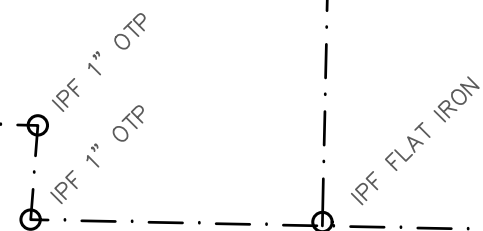
PROJECT:	Fayette Co. Fire Station No.2
SHEET:	EX. CONDITIONS / DEMOLITION PLAN
LL 256	FAYETTE COUNTY
DATE:	10/30/2018
DRAWN BY:	GPH
SCALE:	1" = 20'
DRAWING NO:	280712 - FCFS 2

SHEET

C2

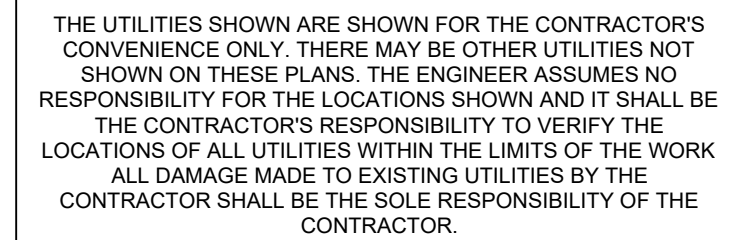


COMMUNITY PANEL #13113C 0038E DATED: SEPTEMBER 6, 2008

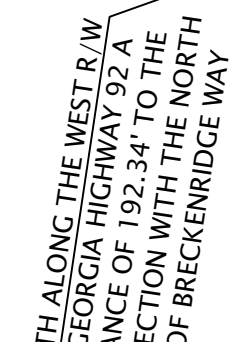


1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND EXISTENCE OF ALL UTILITIES SHOWN AND NOT SHOWN PRIOR TO THE START OF ANY WORK.
2. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH APPLICABLE CODES AND ORDINANCES. CONTRACTOR SHALL VERIFY CONFORMANCE.
3. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION SUPERVISION OR INSPECTION OF THE PROPOSED IMPROVEMENTS.
4. FILL MATERIAL SHALL BE FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL AND HAVE A MINIMUM DENSITY OF 100 PCF.
5. FILL MATERIAL SHALL BE PLACED IN 6" LIFTS (LOOSE) AND COMPACTED TO 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY.
6. FILL OPERATIONS SHOULD BE OBSERVED BY A SOILS ENGINEER AND IN-PLACE DENSITY TESTS SHOULD BE PERFORMED BY THE SOILS ENGINEER TO CHECK COMPACTION.
7. AREAS TO RECEIVE FILL SHALL BE CLEARED OF TOPSOIL, TREES, VEGETATION, AND ANY ORGANIC OR DELETERIOUS MATERIAL PRIOR TO FILLING OPERATIONS.
8. SUBGRADE CONDITIONS SHOULD BE INVESTIGATED BY A SOILS ENGINEER PRIOR TO CONSTRUCTION.
9. THE PROPERTY IS CURRENTLY GRASSED W/ AN EX. HOUSE AND LAKE.
10. THIS CAN TO COMPLY WITH ALL ZONING, VARIANCE, & DRI CONDITIONS.
11. ALL PAVEMENT MARKINGS, STRIPING & SIGNAGE TO CONFORM TO THE STANDARDS AND SPECIFICATIONS OF FAYETTE COUNTY AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
12. ALL HANDICAP PARKING SPACES REQUIRE HANDICAP PARKING SIGNS.
13. SIGHT LIGHTING TO BE PREPARED BY OTHERS.
14. THIS PROJECT IS LOCATED WITHIN A GROUNDWATER RECHARGE AREA.

24 HOUR CONTACT  
PRIMARY PERMITTEE  
FAYETTE COUNTY  
DAVID SCARBROUGH  
140 Stonewall Ave. W.  
Fayetteville, GA. 30214  
PH: 770-305-5174



N/F  
FAYETTE COUNTY  
BOC FIRE STATION #2  
PARCEL # 0548 092  
DB 204 PG 656  
ZONING: R-70



Professional Engineer Seal for Georgia, No. 29444, signed George P. Harper, dated 10/30/18.

PROJECT: Fayette Co. Fire Station No.2			
SHEET: LL 256		SHEET: 5TH DISTRICT	
DATE: 10/30/2018		DRAWN BY: GPH	
FAYETTE COUNTY		SCALE: 1" = 20'	
REV:	DATE:	DESCRIPTION:	
		NOT FOR CONSTRUCTION	
DRAWING NO: 280712 - FCFS 2			

**C3**



BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13113C 0038E

DATED: SEPTEMBER 6, 2008



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### GENERAL NOTES:

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3. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION SUPERVISION OR INSPECTION OF THE PROPOSED IMPROVEMENTS.
4. FILL MATERIAL SHALL BE FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL AND HAVE A MINIMUM DENSITY OF 100 PCF.
5. FILL MATERIAL SHALL BE PLACED IN 6" LIFTS (LOOSE) AND COMPACTED TO 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY.
6. FILL OPERATIONS SHOULD BE OBSERVED BY A SOILS ENGINEER AND IN-PLACE DENSITY TESTS SHOULD BE PERFORMED BY THE SOILS ENGINEER TO CHECK COMPACTION.
7. AREAS TO RECEIVE FILL SHALL BE CLEARED OF TOPSOIL, TREES, VEGETATION, AND ANY ORGANIC OR DELETERIOUS MATERIAL PRIOR TO FILLING OPERATIONS.
8. SUBGRADE CONDITIONS SHOULD BE INVESTIGATED BY A SOILS ENGINEER PRIOR TO CONSTRUCTION.
9. THE PROPERTY IS CURRENTLY GRASSSED W/ AN EX. HOUSE AND LAKE.
10. THIS PLAN TO COMPLY WITH ALL ZONING, VARIANCE, & DRI CONDITIONS.
11. ALL PAVEMENT MARKINGS, STRIPING & SIGNAGE TO CONFORM TO THE STANDARDS AND SPECIFICATIONS OF FAYETTE COUNTY AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
12. ALL HANDICAP PARKING SPACES REQUIRE HANDICAP PARKING SIGNS.
13. SIGHT LIGHTING TO BE PREPARED BY OTHERS.
14. THIS PROJECT IS LOCATED WITHIN A GROUNDWATER RECHARGE AREA.

### FAYETTE COUNTY DRAINAGE NOTES:

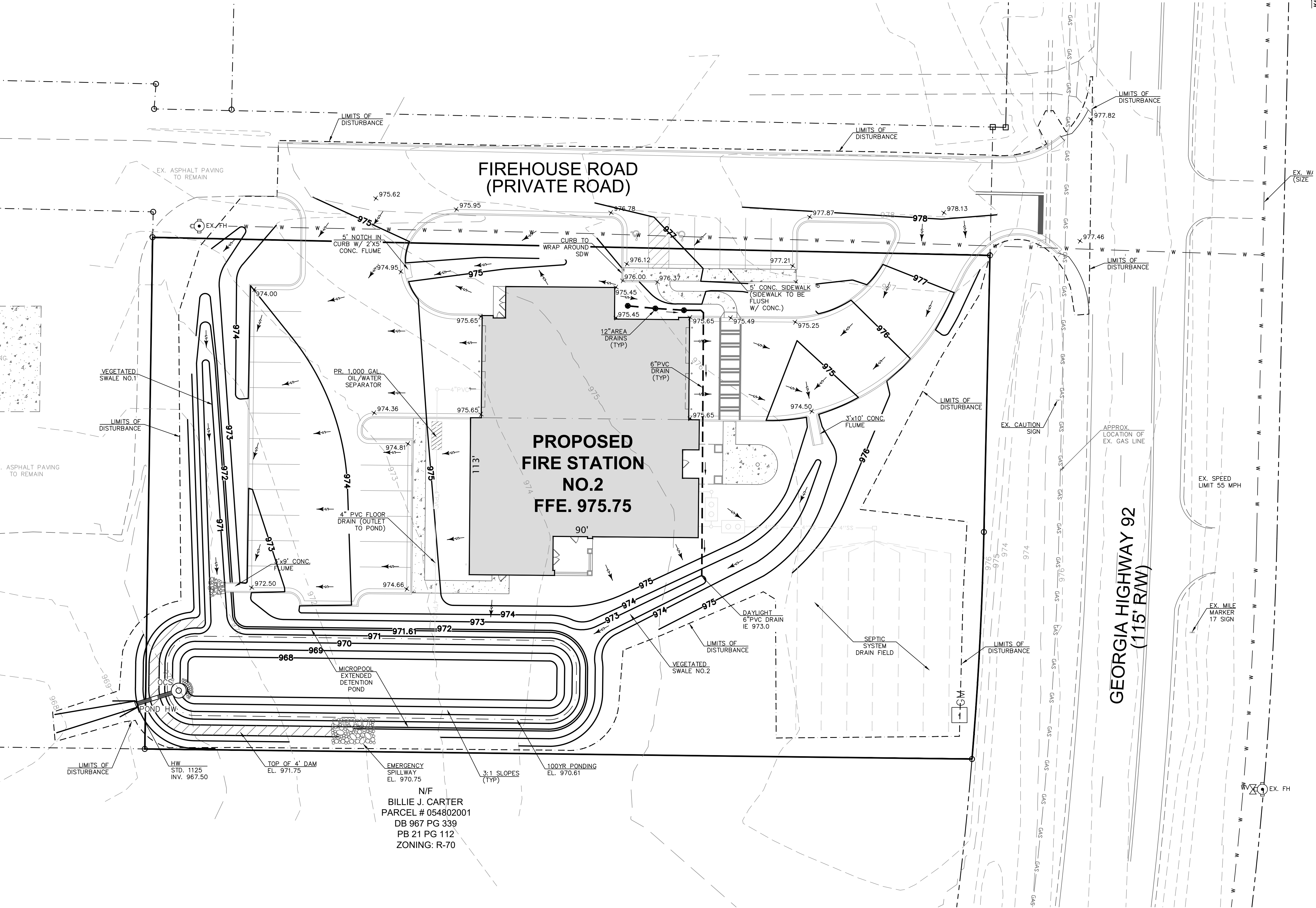
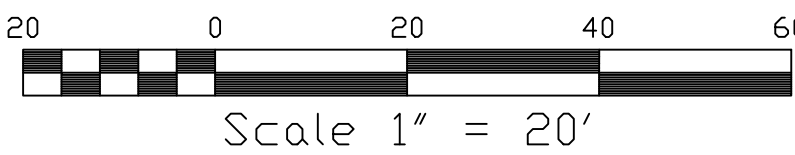
1. CMP STORM DRAINAGE PIPES, WHERE REQUIRED, SHALL BE ASPHALT COATED.
2. MINIMUM COVER ON ALL STORM DRAINAGE PIPE IS PER GA. D.O.T. STD. 1030D, UNLESS OTHERWISE NOTED.
3. ALL STORM DRAINAGE PIPES WILL BE CENTERED WITHIN A 20' DRAINAGE EASEMENT UNLESS IT IS LOCATED WITHIN A ROAD RIGHT-OF-WAY.
4. DRAINAGE SWALES AND DITCHES ARE TO BE WITHIN A 20' DRAINAGE EASEMENT, UNLESS OTHERWISE NOTED.
5. ALL GRADING & DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH GA. D.O.T. CONSTRUCTION STANDARDS.
6. ALL STORM DRAINAGE PIPE SHALL BE IN ACCORDANCE WITH GA. D.O.T. STD. 1030D, UNLESS OTHERWISE NOTED.
7. CATCH BASINS (C.B.) SHALL BE AS PER GA. D.O.T. STD. 1033D ON GRADE & 1034D IN SAG.
8. JUNCTION BOXES (J.B.) SHALL BE AS PER GA. D.O.T. STD. 9031U.
9. DROP INLETS (D.I.) SHALL BE AS PER GA. D.O.T. STD. 1019A.
10. HEADWALLS (H.W.) SHALL BE AS PER GA. D.O.T. STD. 1125.
11. CMP WHERE REQUIRED, SHALL BE INSTALLED IN LENGTHS TO PREVENT JOINTS UNDER THE PAVEMENT.
12. A 20' DRAINAGE EASEMENT IS REQUIRED FOR ALL UNDERGROUND STORM DRAIN LINES.
13. A 10' MAINTENANCE EASEMENT IS REQUIRED FOR ALL STORM WATER DETENTION PONDS.

### OWNER/DEVELOPER:

24 HOUR CONTACT  
PRIMARY PERMITTEE  
FAYETTE COUNTY  
DAVID SCARBROUGH  
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Fayetteville, GA. 30214  
PH: 770-305-5174

### LEGEND

P.O.B. POINT OF BEGINNING	EXISTING	EX.
P.O.R. POINT OF REFERENCE	PROPOSED	PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT	PH
I.P.S. IRON PIN SET	EX. FIRE HYDRANT	PH
PL. PROPERTY LINE	EX. WATER VALVE	WV
C.M.F. CONCRETE MONUMENT FOUND	WATER METER	WM
L.L. LAND LOT LINE	ELECTRIC BOX	EB
B.O.C. BACK OF CURB	FLARED END SECTION	ES
E.O.P. EDGE OF PAVEMENT	SANITARY SEWER LINE	SS
T.W. TOP OF WALL	WATER LINE	WL
B.W. BOTTOM OF WALL	SIGN	SI
D.E. DRAINAGE EASEMENT	FENCE	FI
(S) SANITARY SEWER MANHOLE - SA	LT-DUTY ASPHALT PAVING	
JUNCTION BOX (JB)	HEAVY-DUTY ASPHALT PAVING	
DOUBLE-WING CATCHBASIN (DWCB)		
SINGLE-WING CATCHBASIN (SWCB)		
DROP INLET (DI)		
HEADWALL		
DRAINAGE FLOW		
LIGHT POLE (LP)		
POWER POLE (PP)		



N/F  
BILLIE J. CARTER  
PARCEL # 054802001  
DB 967 PG 339  
PB 21 PG 112  
ZONING: R-70

**Paramount**  
ENGINEERING, LLC  
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PH: (770)-473-9576  
george@paramountengineering.com



REV. DATE: DESCRIPTION:  
NOT FOR CONSTRUCTION  
DRAWING NO: 280712 - FCFS 2

PROJECT: Fayette Co. Fire Station No.2  
SHEET: GRADING & DRAINAGE PLAN  
LL 256  
DATE: 10/30/2018  
FAYETTE COUNTY  
5TH DISTRICT  
DRAWN BY: GPH  
SCALE: 1" = 20'

SHEET

C4



BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13113C 0038E

DATED: SEPTEMBER 6, 2008



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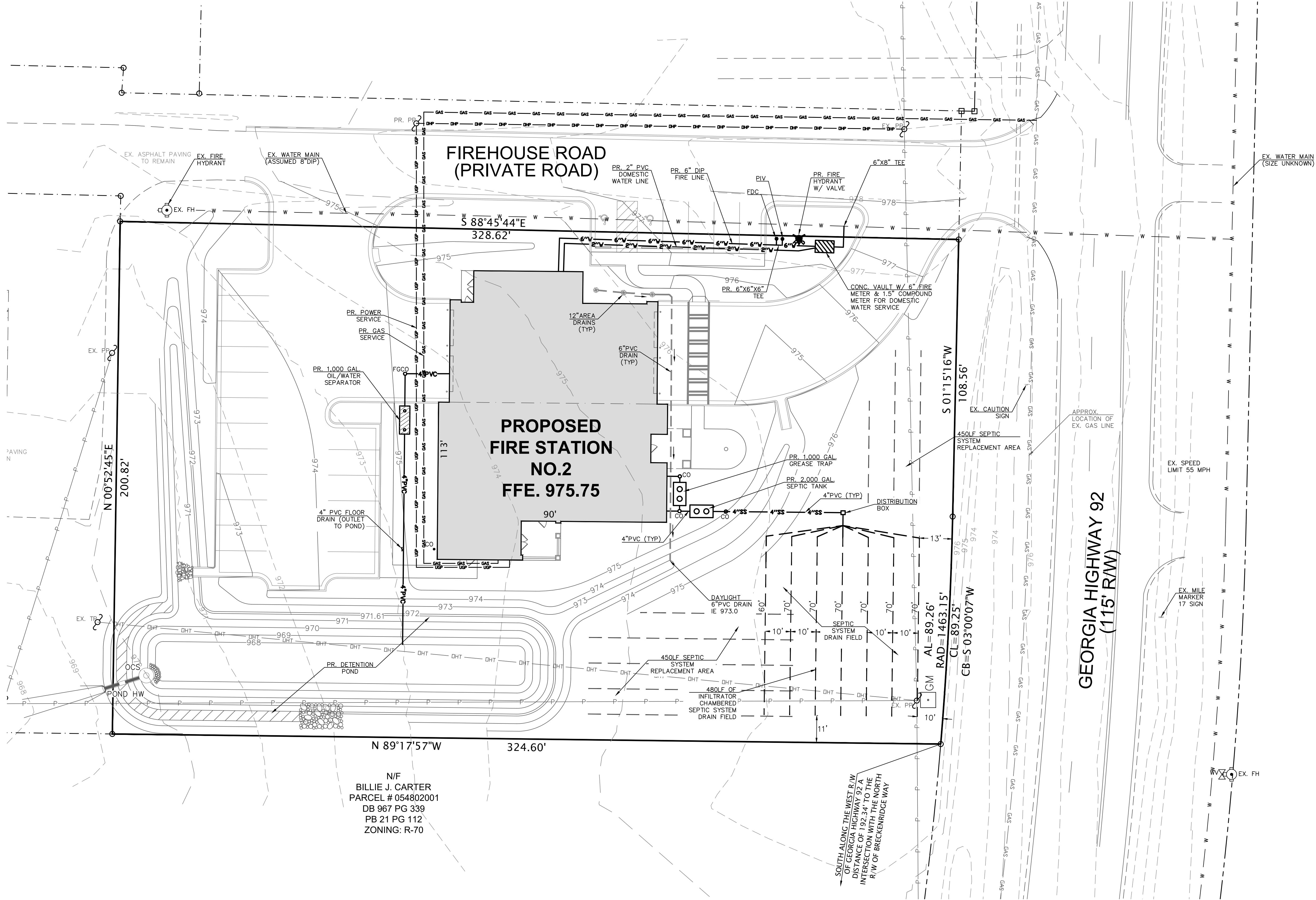
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### GENERAL UTILITY NOTES

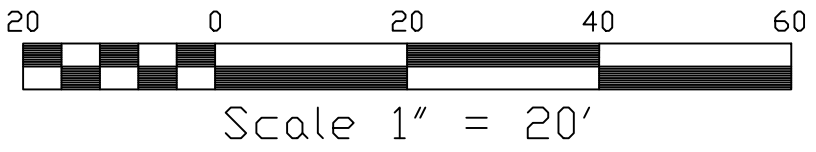
1. PROPOSED TRANSFORMER PAD LOCATION AND SIZE TO BE VERIFIED WITH POWER COMPANY PRIOR TO INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF CONCRETE PAD, CONDUIT, AND PIPE BOLLARDS AS REQUIRED BY THE ELECTRIC COMPANY. CONTRACTOR SHALL COORDINATE SAID WORK WITH THE POWER COMPANY.
2. CONTRACTOR IS RESPONSIBLE FOR UNDERGROUND ELECTRIC SERVICE FROM POLE TO BUILDING AND ALL TRENCHING, BEDDING, CONDUIT, CABLES, PULL WIRES, SECONDARY CONDUCTORS, TRACE TAPE, BACKFILL, ETC. WHICH MAY BE REQUIRED BY ELECTRIC COMPANY.
3. UNDERGROUND TELEPHONE FROM POLE TO BUILDING TO BE EXTENDED BY TELEPHONE CO. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRENCHING, BEDDING, CONDUIT, CABLES, PULL WIRES, SECONDARY CONDUCTORS, TRACE TAPE, BACKFILL, ETC. WHICH MAY BE REQUIRED BY TELEPHONE COMPANY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ANY DOMESTIC WATERLINE APPURTENANCES INSIDE OF THE BUILDING (BACKFLOW PREVENTION DEVICES, GATE VALVES, ETC.) WHICH MAY BE REQUIRED. COORDINATE WITH FAYETTE COUNTY WATER DEPT. (FCWD).
5. SPRINKLER BUILDING ENTRY TO BE DETERMINED BY ARCHITECT. CONTRACTOR IS TO INSTALL ALL APPURTENANCES REQ'D. ON THE SPRINKLER LINE SUCH AS, BUT NOT LIMITED TO, A DOUBLE DETECTOR CHECK BACKFLOW PREVENTION DEVICE, IN SERIES WITH A CHECK VALVE, GATE VALVES, ETC. MEETING FAYETTE COUNTY FIRE DEPT. SPECIFICATIONS. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS.
6. PROPOSED UTILITY STUB OUT LOCATIONS SHOWN FOR REFERENCE PURPOSES ONLY. CONTRACTOR TO USE ARCHITECTURAL/ MEP PLANS FOR EXACT LOCATION OF ALL UTILITY STUB-OUTS.

### WATER NOTES

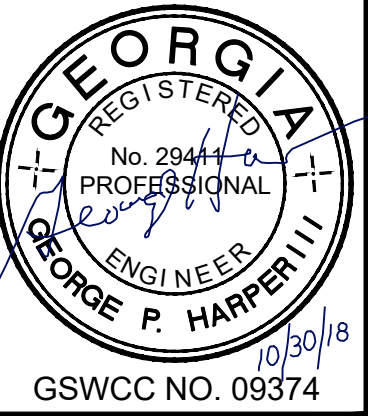
1. Fayette County Water System specifications and details shall govern all water main construction.
2. All materials and installation shall be in accordance with Fayette County Water System and AWWA standards and specifications.
3. New Water Main to be installed after curb and gutter has been constructed and must be located 7' from the back of the curb. EOM should have hydrant or other flush point.
4. Ductile Iron Pipe (D.I.P.) shall be minimum pressure class 300 cement mortar lined, per ANSI C151/A21.51. All fittings shall be mechanical joint Ductile Iron per ANSI A21.10 or A21.53. All service piping shall be copper.
5. Provide Thrust Restraint (Thrust Blocks or Restrained Joints) at all bends, Tees, Crosses and End of Lines. (EOL) Side forms shall be used to prevent encasement of bolts. Service Taps shall not be located beneath pavement.
6. Maintain 24" minimum clearance between waterline and other structures.
7. Contractor shall maintain a minimum of 4' over all water lines.
8. Gate valves shall be utilized for all extensions. Inline valves shall be placed at all intersections and at every third hydrant for future isolation purposes.
9. Long side services shall be sleeved with PVC material or better to preserve the structural integrity of roads for future maintenance.
10. Contractor shall flag Water Line and Service locations to prevent damage by other Utility Contractors.
11. Proper compaction is required throughout the project. (85% pervious, 98% impervious)
12. Unsuitable soil materials shall be replaced with Suitable Materials.
13. New Water Line shall be pressure tested for 2 hours at 200 P.S.I. Unacceptable leakage shall be repaired and water line shall be retested prior to acceptance by Fayette County Water System. Main must be disinfected prior to being placed in service.
14. All Double Water Services shall be 1" Type "K" Copper and Single Services shall be 1/2" Type "K" Copper.
15. Top of curbs shall be permanently marked and painted Blue at Main and Service Crossings, as well as, Valve and Meter Locations.
16. All Fire Hydrants shall be operational prior to allowing combustible construction. Fire Hydrant spacing not to exceed 600'. All hydrants/barrels shall be 5 1/2" in diameter. Variance: Any variance for fire hydrant spacing must be approved by the Fire Chief or authorized designee. Such variances must be noted on appropriate site drawings. Ref. Fayette County Code of Ordinances Sec. 12-89, 12-90, 12-91, 12-92. All fire hydrants shall be painted silver and plumb. 6" minimum main size for hydrants required.
17. Meter Boxes shall be placed 9' from back of curb. Location of meters shall not be encased in asphalt or concrete. Alternate locations will be approved by F.C.W.S.
18. Set Meter Boxes 2' above top of Curb elevation. Mark Meter Boxes with a 4' long PVC pipe painted blue.
19. Wateline contractor shall provide traffic control, including signage and flagmen, while working within the Right of Way of any existing road.
20. Wateline contractor performing any work within an existing right of way must comply with the MUTCD 2003 Edition with Revisions Number 1 and 2 Incorporated, dated December 2007. Flaggers must possess a current certification card.
21. Water to be provided by Fayette County Water System.
22. All items shall be coordinated with Fayette County Water System. Existing valves shall be operated by County personnel only.
23. Contractor must notify Fayette County Water System 24 hours prior to beginning construction or requesting inspections. All work must be inspected prior to backfill and compaction. Any work covered prior to inspection is subject to rejection until it has been exposed and inspected by Fayette County Water Personnel.
24. No trenches or pits are to be left open overnight or through a weekend. If crew vacates job site during daytime hours, a properly constructed, highly visible barricade must be erected.
25. While the excavation is open, underground installations shall be protected, supported or removed as necessary to safeguard employees.
26. Means of egress from trench excavations. A stairway, ladder, ramp or other safe means of egress shall be located in trench excavations that are 4 feet or more in depth so as to require no more than 25 feet of lateral travel for employees.
27. Contact Matt Bergen at the Fayette County Water System to schedule a preconstruction meeting prior to beginning any work. Phone: 770-320-6020 Fax: 770-719-5576
28. All contractors must have a Certified Competent Person on site while work is being performed. Documentation shall be available upon request by any County Employee.
29. All contractors performing any Land Disturbing Activity shall have attended the GSWCC Sub Contractor Awareness Course when working in a common development where the primary permittee has obtained a Level 1A Certification. Documentation shall be available upon request by any County Employee.
30. Any contractor performing any Land Disturbing Activity under contract for Fayette County Water System shall be considered the secondary permittee for each project. The contractor shall be required to have a GSWCC Level 1A Certified representative on site at all times. Documentation shall be available upon request by any County Employee.
31. Before release of the Water Lines, 2 Certified As-Built (24 X 36) must be submitted along with 2 signed Final Plans or Final Site Plans. One electronic copy of each document must be sent to the inspector upon acceptance.
32. System shall have a minimum flow of 1,000 GPM at a minimum pressure of 20 p.s.i. with a minimum main size of 6".



LEGEND			
P.O.B.	POINT OF BEGINNING	EXISTING	EX.
P.O.R.	POINT OF REFERENCE	PR	
O.T.P.	OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F.	IRON PIN FOUND	PR. FIRE HYDRANT	
I.P.S.	IRON PIN SET	EX. FIRE HYDRANT	
PL	PROPERTY LINE	EX. WATER VALVE	
C.M.F.	CONCRETE MONUMENT FOUND	PR. WATER VALVE	
L.L.L.	LAND LOT LINE	WATER METER	
B.O.C.	BACK OF CURB	ELECTRIC BOX	
E.O.P.	EDGE OF PAVEMENT	FLARED END SECTION	
T.W.	TOP OF WALL	SANITARY SEWER LINE	SS
B.W.	BOTTOM OF WALL	SANITARY SEWER LINE (SWCB)	
D.E.	DRAINAGE EASEMENT	WATER LINE	W
		SIGN	
		FENCE	
		LT-DUTY ASPHALT PAVING	
		HEAVY-DUTY ASPHALT PAVING	



**Paramount**  
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11 E. BROAD ST.  
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PH: (770) 473-9576  
george@paramountengineering.com



REV.	DATE:	DESCRIPTION:
		NOT FOR CONSTRUCTION

PROJECT:	Fayette Co. Fire Station No.2
SHEET:	UTILITY PLAN
LL 256	5TH DISTRICT
DATE:	10/30/2018
DRAWN BY:	GPH
SCALE:	1" = 20'

SHEET

C5



ACTIVITY SCHEDULE	MONTH	1	2	3	4
1. Installation of Erosion Control Measures					
2. Clearing & Grading Operations					
3. Building & Parking Lot Construction					
4. Grassing-Mulching, Temp. & Perm. Vegetation					
5. Maintenance of Erosion Control Measures					
6. Installation of Water Quality Device					
7. Final landscaping, grassing, cleaning of drains					

BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13113C 0038E

DATED: SEPTEMBER 6, 2008

RIP-RAP APRON CHART

HW	PIPE DIA.	Q25(cfs)	V25(fps)	La	W1	W2	d50	D
POND HW	18"	5.98	4.92	13'	4.5'	9'	0.5'	1.0'

TOTAL SITE AREA- 4.08 Acres  
DISTURBED AREA- 1.61 Acres

Spill Cleanup and Control Practices

- Local, State and manufacturer's recommended methods for spill cleanup will be clearly posted and procedures will be made available to site personnel.
- Material and Equipment necessary for spill clean-up will be kept in the material storage areas. Typical materials and equipment includes, but is not limited to, brooms, dustpans, mops, rags, gloves, goggles, cat litter, sand, sawdust and properly labeled plastic and metal waste containers.
- Spill prevention practices and procedures will be reviewed after a spill and adjusted as necessary to prevent future spills.
- All spills will be cleaned up immediately upon discovery. All spills will be reported as required by local, State, and Federal regulations.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE GEORGIA E.P.D. WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

The contractor shall notify the licensed professional who prepared this Plan if more than 1320 gallons of petroleum is stored onsite (this includes capacities of equipment) or if any one piece of equipment has a capacity greater than 660 gallons. The contractor will need a Spill Prevention Containment and Countermeasures Plan prepared by that licensed professional.

NOTES:

- SOIL TYPES: AmB (APPLYING SANDY LOAM, 2 TO 6% SLOPES).
- THE RECEIVING STREAM IS AN UNNAMED TRIBUTARY TO TAR CREEK. (Neither should be affected by this development).
- THE SITE IS CURRENTLY DEVELOPED FOR PUBLIC USE - FIRE STATION.
- 24-HOUR CONTACT: DAVID SCARBROUGH (770) 305-5174.
- RUNOFF COEFFICIENT CN: PRE DEV- 61, POST DEV- 82.
- THE DEVELOPED SITE FLOWS TO THE PROPOSED DETENTION POND TO BE CONSTRUCTED.
- THE PROPOSED CONSTRUCTION IS A FIRE STATION & PARKING LOT.
- THERE ARE NO BUFFERED STATE WATERS ON OR WITHIN 200' OF THE SITE.



CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

EROSION CONTROL NOTES:

- 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.
- ALL DISTURBED AREAS TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V ON ALL SLOPES.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- AMENDMENTS/ REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- INSPECTIONS BY CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 100001.
- WASTE MATERIALS SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
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- THIS PROJECT DOES NOT DISCHARGE STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED, AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT (TAR CREEK).
- 67 CY/AC. SEDIMENT STORAGE SUBSTANTIALLY HANDLED BY SILT FENCE PLACED ALONG THE TOE OF SLOPES AND A SKIMMER ON THE WATER QUALITY POND OCS.
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- CONTRACTOR MUST HAUL OFF ALL SOLID WASTE TO AN APPROVED LANDFILL. SOLID WASTE BURNING ON SITE IS PROHIBITED.
- THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.
- CONTRACTOR MUST ADHERE TO FAYETTE COUNTY EROSION AND SEDIMENT CONTROL REGULATIONS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
- SEDIMENT/ EROSION CONTROL FACILITIES AND STORM DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A FAST- GROWING COVER AND/OR MULCH.
- OWNER/ DEVELOPER AND CONTRACTOR SHALL BE RESPONSIBLE DURING CONSTRUCTION FOR THE CONTINUOUS MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES AS CALLED FOR ON DRAWINGS AND SPECIFICATIONS.
- SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
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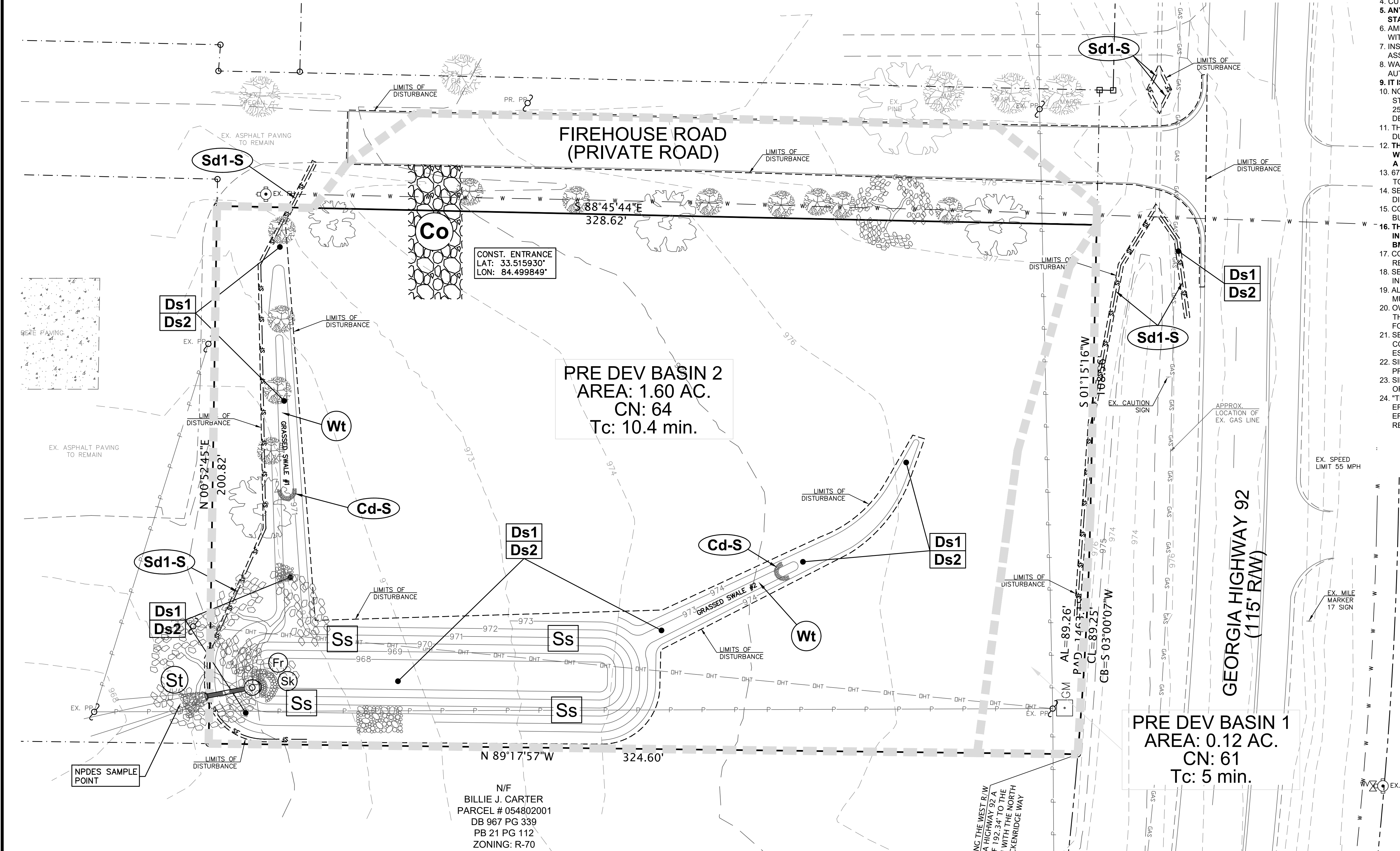
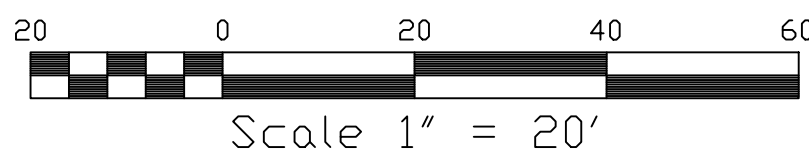
NAME: DAVID SCARBROUGH- FIRE CHIEF  
ADDRESS: 140 STONEWALL AVE. W.  
FAYETTEVILLE, GA 30214  
PHONE (24HR.): (770) 305-5174

OWNER/DEVELOPER:

24 HOUR CONTACT  
PRIMARY PERMITTEE  
FAYETTE COUNTY  
DAVID SCARBROUGH  
140 Stonewall Ave. W.  
Fayetteville, GA 30214  
PH: 770-305-5174

LEGEND

P.O.B. POINT OF BEGINNING	EXISTING	EX.
P.O.R. POINT OF REFERENCE	PROPOSED	PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT	
I.P.S. IRON PIPE SET	EX. FIRE HYDRANT	
P.L. PROPERTY LINE	EX. WATER VALVE	
C.M.F. CONCRETE MONUMENT FOUND	PR. WATER VALVE	
L.L.L. LAND LOT LINE	WATER METER	
B.O.C. BACK OF CURB	ELECTRIC BOX	
E.O.P. EDGE OF PAVEMENT	FLARED END SECTION	
T.W. TOP OF WALL	SANITARY SEWER LINE	SS
B.W. BOTTOM OF WALL	WATER LINE	W
D.E. DRAINAGE EASEMENT	SIGN	
S. SANITARY SEWER MANHOLE - SA	FENCE	
JUNCTION BOX (JB)	LT-DUTY ASPHALT PAVING	
DOUBLE-WING CATCHBASIN (DWCB)	HEAVY-DUTY ASPHALT PAVING	
SINGLE-WING CATCHBASIN (SWCB)		
DROP INLET (DI)		
HEADWALL		
DRAINAGE FLOW		
LIGHT POLE (LP)		
POWER POLE (PP)		



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PH: (770) 473-9576  
george@paramountengineering.com

**GEORGIA**  
REGISTERED  
No. 29411  
PROFESSIONAL  
ENGINEER  
GEORGE P. HAPPERT III  
10/30/18  
GSWCC NO. 09374

REV.	DATE:	DESCRIPTION:
		NOT FOR CONSTRUCTION

PROJECT:	Fayette Co. Fire Station No.2
SHEET:	INITIAL PERIMETER ES & PC PLAN
LL 256	FAYETTE COUNTY
DATE:	10/30/2018
DRAWN BY:	GPH
SCALE:	1" = 20'

SHEET

C6



ACTIVITY SCHEDULE	MONTH	1	2	3	4
1. Installation of Erosion Control Measures		■			
2. Clearing & Grading Operations		■	■		
3. Building & Parking Lot Construction			■	■	
4. Grassing-Mulching, Temp. & Perm. Vegetation			■	■	
5. Maintenance of Erosion Control Measures		■	■	■	
6. Installation of Water Quality Device					■
7. Final landscaping, grassing, cleaning of drains					■

BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13113C 0038E

DATED: SEPTEMBER 6, 2008

RIP-RAP APRON CHART							
HW	PIPE DIA.	Q25(cfs)	V25(fps)	La	W1	W2	d50
FLUME 1	18"	5.98	4.92	13'	4.5'	9'	0.5'
FLUME 2	18"	5.98	4.92	13'	4.5'	9'	0.5'
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TOTAL SITE AREA- 4.08 Acres  
DISTURBED AREA- 1.61 Acres

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#### NOTES:

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- THE DEVELOPED SITE FLOWS TO THE PROPOSED DETENTION POND TO BE CONSTRUCTED.
- THE PROPOSED CONSTRUCTION IS A FIRE STATION & PARKING LOT.
- THERE ARE NO BUFFERED STATE WATERS ON OR WITHIN 200' OF THE SITE.

#### EROSION CONTROL NOTES:

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FAYETTEVILLE, GA 30214  
PHONE (24HR.): (770) 305-5174

#### OWNER/DEVELOPER:

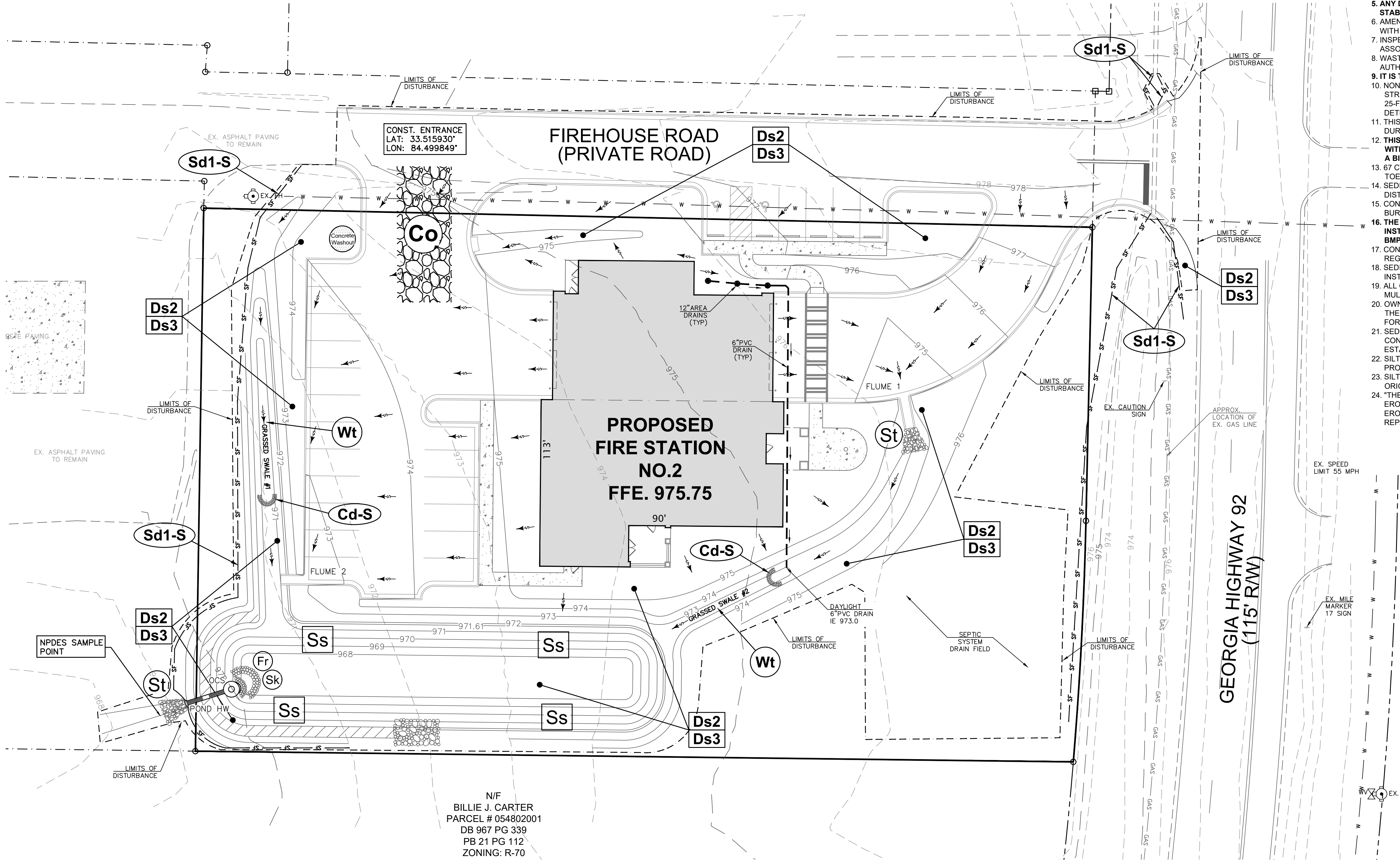
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PRIMARY PERMITTEE  
FAYETTE COUNTY  
DAVID SCARBROUGH  
140 Stonewall Ave. W.  
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#### LEGEND

P.O.B.	POINT OF BEGINNING	EXISTING	EX.
P.O.R.	POINT OF REFERENCE	PROPOSED	PR.
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I.P.F.	IRON PIN FOUND	PR. FIRE HYDRANT	PR.
I.P.S.	IRON PIN SET	EX. FIRE HYDRANT	EX.
P/L	PROPERTY LINE	EX. WATER VALVE	EX.
C.M.F.	CONCRETE MONUMENT FOUND	PR. WATER VALVE	PR.
L.L.L.	LAND LOT LINE	WATER METER	WM
B.O.C.	BACK OF CURB	ELECTRIC BOX	EB
E.O.P.	EDGE OF PAVEMENT	FLARED END SECTION	ES
T.W.	TOP OF WALL	SANITARY SEWER LINE	SS
B.W.	BOTTOM OF WALL	WATER LINE	W
D.E.	DRAINAGE EASEMENT	SIGN	S
S	SANITARY SEWER MANHOLE - SA	FENCE	F
J	JUNCTION BOX (JB)		
DW	DOUBLE-WING CATCHBASIN (DWCB)		
SWCB	SINGLE-WING CATCHBASIN (SWCB)		
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H	HEADWALL		
DF	DRAINAGE FLOW		
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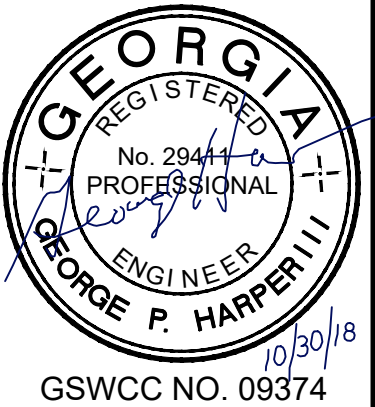
20 0 20 40 60

Scale 1" = 20'



N/F  
BILLIE J. CARTER  
PARCEL # 054802001  
DB 967 PG 339  
PB 21 PG 112  
ZONING: R-70

**Paramount**  
ENGINEERING, LLC  
11 E. BROAD ST.  
NEWNAN, GA 30263  
PH: (770) 473-9576  
george@paramountengineering.com



REV.	DATE:	DESCRIPTION:
		NOT FOR CONSTRUCTION
		DRAWING NO: 280712 - FCF5 2

PROJECT:	Fayette Co. Fire Station No.2
SHEET:	INTERMEDIATE ES & PC PLAN
LL 256	FAYETTE COUNTY
DATE:	10/30/2018
DRAWN BY:	GPH
SCALE:	1" = 20'

SHEET

C7



ACTIVITY SCHEDULE	MONTH	1	2	3	4
1. Installation of Erosion Control Measures		-			
2. Clearing & Grading Operations		-	-	-	-
3. Building & Parking Lot Construction			-	-	-
4. Grassing-Mulching, Temp. & Perm. Vegetation			-	-	-
5. Maintenance of Erosion Control Measures		-	-	-	-
6. Installation of Water Quality Device					-
7. Final landscaping, grassing, cleaning of drains					-

BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13113C 0038E

DATED: SEPTEMBER 6, 2008

TOTAL SITE AREA- 4.08 Acres  
DISTURBED AREA- 1.61 Acres

Spill Cleanup and Control Practices

- Local, State and manufacturer's recommended methods for spill cleanup will be clearly posted and procedures will be made available to site personnel.
- Material and Equipment necessary for spill clean-up will be kept in the material storage areas. Typical materials and equipment includes, but is not limited to, brooms, dustpans, mops, rags, gloves, goggles, cat litter, sand, sawdust and properly labeled plastic and metal waste containers.
- Spill prevention practices and procedures will be reviewed after a spill and adjusted as necessary to prevent future spills.
- All spills will be cleaned up immediately upon discovery. All spills will be reported as required by local, State, and Federal regulations.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE GEORGIA E.P.D. WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

The contractor shall notify the licensed professional who prepared this Plan if more than 1320 gallons of petroleum is stored onsite (this includes capacities of equipment) or if any one piece of equipment has a capacity greater than 660 gallons. The contractor will need a Spill Prevention Containment and Countermeasures Plan prepared by that licensed professional.

RIP-RAP APRON CHART							
HW	PIPE DIA.	Q25(cfs)	V25(fps)	La	W1	W2	d50 D
FLUME 1	—	—	—	13'	4.5'	9'	0.5' 1.0'
FLUME 2	—	—	—	13'	4.5'	9'	0.5' 1.0'
POND HW	18"	5.98	4.92	13'	4.5'	9'	0.5' 1.0'

NOTES:

- SOIL TYPES: AmB (APPLYING SANDY LOAM, 2 TO 6% SLOPES).
- THE RECEIVING STREAM IS AN UNNAMED TRIBUTARY TO TAR CREEK. (Neither should be affected by this development).
- THE SITE IS CURRENTLY DEVELOPED FOR PUBLIC USE - FIRE STATION.
- 24-HOUR CONTACT: DAVID SCARBROUGH (770)-305-5174.
- RUNOFF COEFFICIENT CN: PRE DEV- 61, POST DEV- 82.
- THE DEVELOPED SITE FLOWS TO THE PROPOSED DETENTION POND TO BE CONSTRUCTED.
- THE PROPOSED CONSTRUCTION IS A FIRE STATION & PARKING LOT.
- THERE ARE NO BUFFERED STATE WATERS ON OR WITHIN 200' OF THE SITE.

EROSION CONTROL NOTES:

- 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.
- ALL DISTURBED AREAS TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V ON ALL SLOPES.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- INSPECTIONS BY CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 100001.
- WASTE MATERIALS SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- IT IS THE RESPONSIBILITY OF THE PRIMARY PERMITTEE TO PREPARE THE NOI.
- NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSH AND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES & PERMITS.
- THIS ES&PC PLAN IS IN COMPLIANCE WITH WASTE DISPOSAL & SANITARY SEWER REGULATIONS DURING AND AFTER CONSTRUCTION.
- THIS PROJECT DOES NOT DISCHARGE STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED, AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT (TAR CREEK).
- 67 CY/AC. SEDIMENT STORAGE SUBSTANTIALLY HANDLED BY SILT FENCE PLACED ALONG THE TOE OF SLOPES AND A SKIMMER ON THE WATER QUALITY POND OCS.
- SEDIMENT STORAGE VOLUME MUST BE IN PLACE PRIOR TO, AND DURING ALL LAND DISTURBANCE ACTIVITIES UNTIL FINAL STABILIZATION OF THE SITE HAS BEEN ACHIEVED.
- CONTRACTOR MUST HAUL OFF ALL SOLID WASTE TO AN APPROVED LANDFILL. SOLID WASTE BURNING ON SITE IS PROHIBITED.
- THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.
- CONTRACTOR MUST ADHERE TO FAYETTE COUNTY EROSION AND SEDIMENT CONTROL REGULATIONS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA"
- SEDIMENT / EROSION CONTROL FACILITIES AND STORM DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A FAST- GROWING COVER AND/OR MULCH.
- OWNER/ DEVELOPER AND CONTRACTOR SHALL BE RESPONSIBLE DURING CONSTRUCTION FOR THE CONTINUOUS MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES AS CALLED FOR ON DRAWINGS AND SPECIFICATIONS.
- SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
- SILT FENCE SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROPERTY LIMITS.
- SILT FENCE SHALL BE CLEANED OR REPLACED WHEN SILT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES AND THE INSPECTIONS AND REPAIRS WILL BE MADE BY:

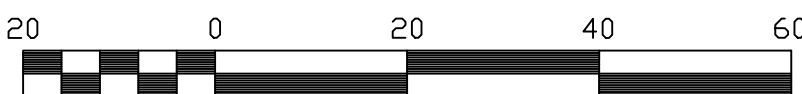
NAME: DAVID SCARBROUGH- FIRE CHIEF  
ADDRESS: 140 STONEWALL AVE. W.  
FAYETTEVILLE, GA 30214  
PHONE (24HR.): (770) 305-5174

OWNER/DEVELOPER:

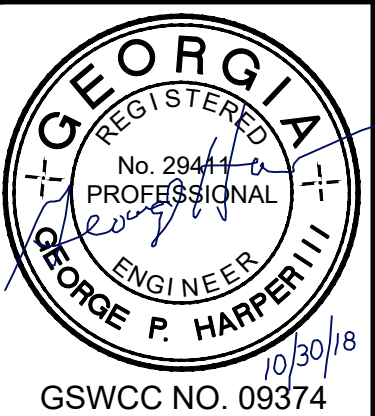
24 HOUR CONTACT  
PRIMARY PERMITTEE  
FAYETTE COUNTY  
DAVID SCARBROUGH  
140 Stonewall Ave. W.  
Fayetteville, GA. 30214  
PH: 770-305-5174

LEGEND

P.O.B.	POINT OF BEGINNING	EXISTING	EX.
P.O.R.	POINT OF REFERENCE	PROPOSED	PR.
O.T.P.	OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F.	IRON PIN FOUND	PR. FIRE HYDRANT	PR.
I.P.S.	IRON PIN SET	EX. FIRE HYDRANT	EX.
P.L.	PROPERTY LINE	EX. WATER VALVE	EX.
C.M.F.	CONCRETE MONUMENT FOUND	PR. WATER VALVE	PR.
L.L.L.	LAND LOT LINE	WATER METER	WM
B.C.	BACK OF CURB	ELECTRIC BOX	EB
E.O.P.	EDGE OF PAVEMENT	FLARED END SECTION	ES
T.W.	TOP OF WALL	SANITARY SEWER LINE	SS
B.W.	BOTTOM OF WALL	WATER LINE	WL
D.E.	DRAINAGE EASEMENT	SIGN	SG
S	SANITARY SEWER MANHOLE - SA	FENCE	FC
J.B.	JUNCTION BOX (JB)		
D.W.C.	DOUBLE-WING CATCHBASIN (DWCB)		
S.W.C.B.	SINGLE-WING CATCHBASIN (SWCB)		
D.I.	DROP INLET (DI)		
H.	HEADWALL		
D.F.	DRAINAGE FLOW		
L.P.	LIGHT POLE (LP)		
P.P.	POWER POLE (PP)		



Scale 1" = 20'



REV.	DATE:	DESCRIPTION:
		NOT FOR CONSTRUCTION

PROJECT:	Fayette Co. Fire Station No.2
SHEET:	FINAL ES & PC PLAN
LL 256	5TH DISTRICT
DATE:	10/30/2018
DRAWN BY:	GPH
SCALE:	1" = 20'

SHEET

C8



1. CONTRACTOR MUST ADHERE TO FAYETTE COUNTY EROSION & SEDIMENT CONTROL REGULATIONS & THE "MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA".
2. SEDIMENT / EROSION CONTROL FACILITIES & STORM DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
3. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY WITH A FAST-GROWING COVER CROP &/OR MULCH.
4. OWNER, DEVELOPER OR CONTRACTOR SHALL BE RESPONSIBLE DURING CONSTRUCTION FOR THE CONTINUOUS MAINTENANCE OF SEDIMENT & EROSION CONTROL MEASURES AS CALLED FOR ON DRAWINGS & SPECIFICATIONS.
5. SEDIMENT & EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE & UNTIL A PERMANENT GRASS COVER HAS BEEN ESTABLISHED.
6. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED & RIP RAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.
7. A MINIMUM OF 10 SQUARE YARDS OF 50 POUND STONE SHALL BE PLACED AT ALL DOWNSTREAM HEADWAYS TO ELS, OR AS SHOWN.
8. SILT FENCE SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT & EROSION FROM LEAVING PROPERTY LIMITS.
9. SILT FENCE SHALL BE CLEANED OR REPLACED WHEN SILT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
10. "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES & PRACTICES PRIOR TO, OR CONCURRENT WITH LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES & THE INSPECTIONS & REPAIRS WILL BE MADE BY

11. "EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
12. "THIS PROJECT DOES NOT DISCHARGE STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF & WITHIN THE SAME WATERSHED, AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT.
13. 67 CY AC. SEDIMENT STORAGE SUBSTANTIALLY HANDLED BY SILT FENCE PLACED ALONG THE TOE OF SLOPES & A SKIMMER ON THE WATER QUALITY POND OCS.
14. SEDIMENT STORAGE SHALL BE MAINTAINED IN PLACE AND DURING ALL LAND DISTURBANCE ACTIVITIES UNTIL FINAL STABILIZATION OF THE SITE HAS BEEN ACHIEVED.

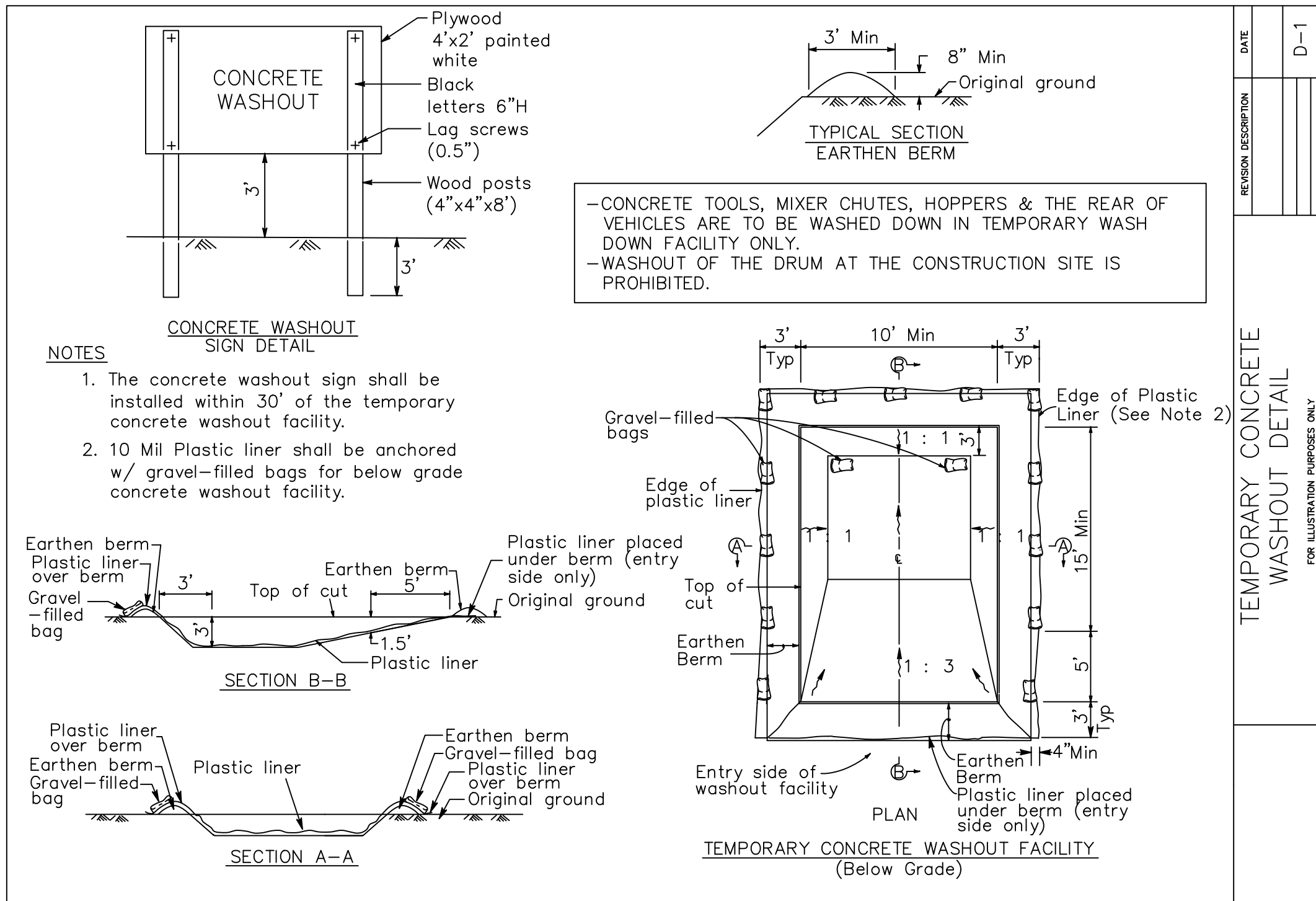
A diagram showing a circular structure made of stone rip-rap. A central access point is shown with a cylindrical structure on top. The structure is labeled "50#-150# Stone Rip-Rap". The diameter of the structure is labeled "Min. 8'-10'". The height of the structure is labeled "2'-0' Min".

MATERIAL	RATE	DEPTH
STRAW OR HAY	2.5TON/ACRES	6"-10"
WOOD WASTE CHIPS, SAWDUST, BARK	6 TO 9TON/Ac	2"-3"
CUTBACK ASPHALT	1200GAL/Ac	—
POLYETHYLENE FILM	SEE MANUFACTURER'S RECOMMENDATION	—
GEOTEXTILE JUTE MATTING	SEE MANUFACTURER'S RECOMMENDATION	—

SPECIES	SEEDING RATE (LBS. PURE LIVE SEED)	PLANTING DATES
RYEGRASS (ANNUAL)	40 LBS/ACRE	AUGUST - APRIL
MILLET, PEARL	50 LBS/ACRE	APRIL - AUGUST
RYE	168 LBS/ACRE	AUGUST - DECEMBER

SPECIES	SEEDING RATE (LBS. PURE LIVE SEED)	PLANTING DATES
BERMUDA, COMMON (HULLED)	6-10 LBS/ACRE	MARCH - JUNE
BERMUDA, COMMON (UN-HULLED)	6-10 LBS/ACRE	OCTOBER - FEBRUARY
FESCUE, TALL	30 -50 LBS/ACRE	AUGUST - OCTOBER MARCH - APRIL
LESPEDEZA	60 - 75 LBS/ACRE	JANUARY - DECEMBER

SPECIES	RATES / SPACING		PLANTING DATES			YEARS TO APPLY FERTILIZER	FERTILIZER RATES - POUNDS PER ACRE			
	1000 S.F.	ACRES	MTS. - L'STONE	PIEDMONT	COASTAL		N	P	K	N TOP DRESSING
MIDLAND OR COMMON BERMUDAGRASS	1 CU. FT.	25-40 CU. FT.	3/15 - 8/1	---	---	FIRST	60 - 90	120 - 180	120 - 180	50 - 100
SPRIG OR SOD PLUGS	3' X 3'	3' X 3'				SECOND	48	96	96	50 - 100
HULLED COMMON BERMUDAGRASS	0.25 LB.	8-10 LB.	4/10 - 6/15	4/1 - 6/15	2/15 - 6/15	FIRST	60 - 90	120 - 180	120 - 180	50 - 100
						SECOND	48	96	96	50 - 100
TALL FESCUEGRASS AND CLEAN COMBINE RUN VIRGATA OR SERICEA LESPEDEZA	1 LB.	30-40 LB.	8/1 - 10/15	9/1 - 11/1	9/15 - 11/15	FIRST	60 - 90	120 - 180	120 - 180	0 - 50 IN SPRING
	1.5 LB.	60-75 LB.				SECOND	0	70 - 100	70 - 100	---



GRASS	VARIETIES	RESOURCE AREA	GROWING SEASON
BERMUDAGRASS	COMMON TIFFANY TIFGREEN TIFLAWN	M-L, P P, C P, C P, C	WARM WEATHER
BAHAGRASS	PENSACOLA	P, C	WARM WEATHER
CENTPEDE	-	P, C	WARM WEATHER
ST. AUGUSTINE	COMMON BITTER BLUE RALEIGH	C	WARM WEATHER
ZOYSIA	EMERALD MEYER	P, C	WARM WEATHER
TALL FESCUE	KENTUCKY	M-L, P	COOL WEATHER

The drawing consists of two views: a SIDE VIEW at the top and a FRONT VIEW at the bottom.

**SIDE VIEW:** Shows a cross-section of the fence. The fence is composed of three vertical sections: a top section 30" min. high, a middle section 18" min. high, and a bottom section 2" high. The total height is 28". A horizontal section 6" thick is shown below the fence. An arrow labeled "Flow" points to the right, indicating the direction of water flow.

**FRONT VIEW:** Shows the fence from the front. The fence is 4' max o.c. (on center) between posts. The fence is made of Fabric (Woven Wire Fence Backing). The fence is 28" high. The posts are 6" wide. A Trench is shown below the fence, 6" deep.

**NOTES:**

- Use 36" D.O.T. approved fabric.
- Use steel posts - only

**SILT FENCE - TYPE S (SENSITIVE)**

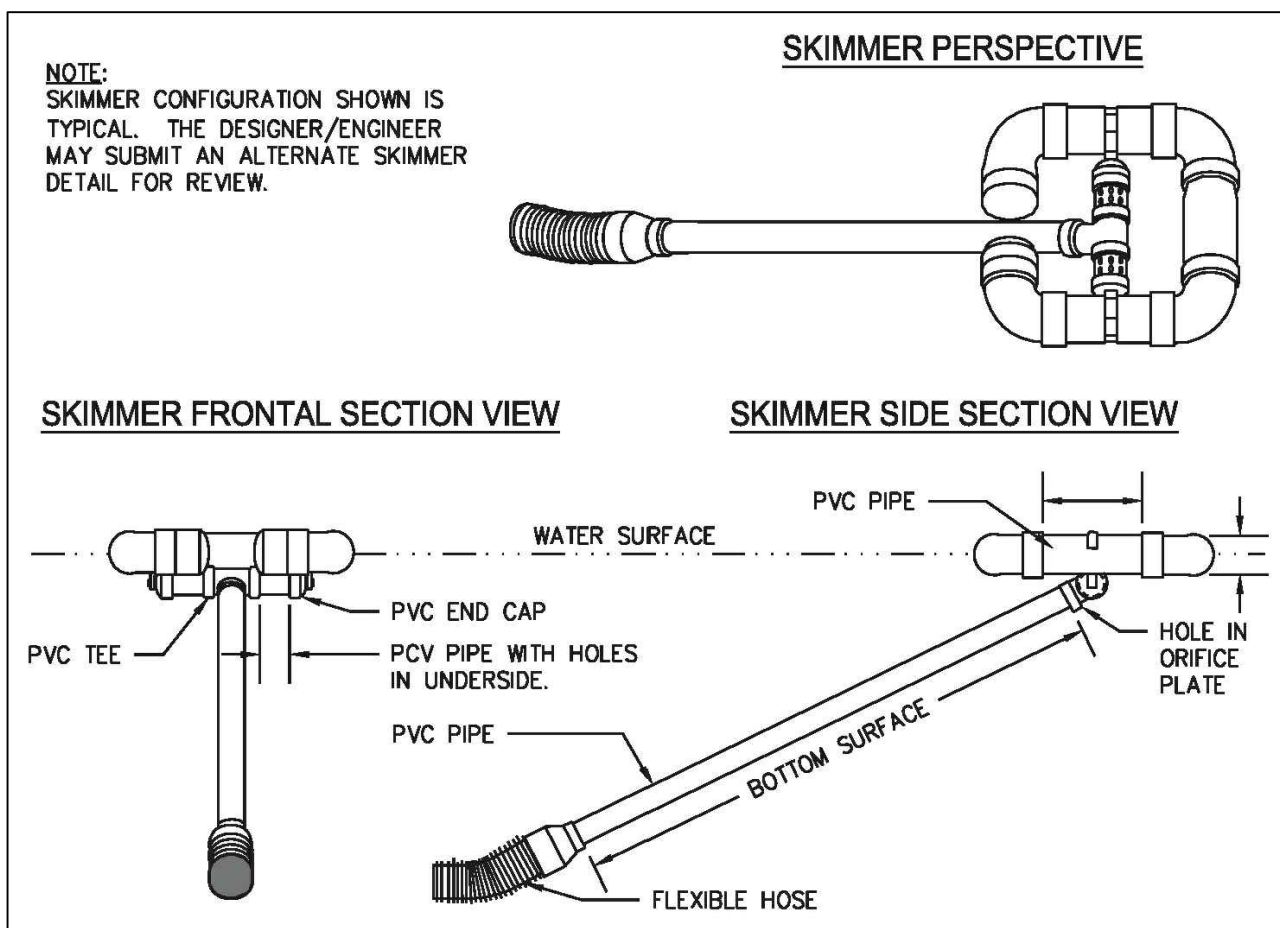
Figure 6-27.2

SPECIES	SEEDING RATE (LBS. PURE LIVE SEED)	PLANTING DATES
BERMUDA, COMMON (HULLED)	6-10 LBS/ACRE	MARCH - JUNE
BERMUDA, COMMON (UN-HULLED)	6-10 LBS/ACRE	OCTOBER - FEBRUARY
FESCUE, TALL	30 -50 LBS/ACRE	AUGUST - OCTOBER MARCH - APRIL
LESPEDEZA	60 - 75 LBS/ACRE	JANUARY - DECEMBER

Diagram illustrating a sediment barrier setup. The barrier consists of strawbales (represented by rectangular blocks with horizontal lines) and silt fences (represented by diagonal lines). The barrier is labeled "SEDIMENT BARRIER WITH STRAWBALES". Above the barrier, text reads: "STAKE STRAWBALES AS NECESSARY (DOUBLE STAKE MINIMUM) REINFORCE AS NECESSARY". Arrows point to the strawbales and silt fences, with labels "STRAWBALES" and "SILT FENCE" respectively. The barrier is shown in a cross-section view, with the top surface labeled "SEDIMENT BARRIER" and the bottom surface labeled "SEDIMENT BARRIER WITH STRAWBALES".

A SMALL TEMPORARY BARRIER CONSTRUCTED ACROSS A SWALE, DRAINAGE DITCH, OR AREA OF CONCENTRATED FLOW. L= THE DISTANCE BETWEEN CHECK DAMS 66 FT.

Diagram illustrating the construction of a temporary barrier across a swale, drainage ditch, or area of concentrated flow. The barrier is constructed using stone or similar material, with a geotextile layer underneath. The distance between check dams is labeled L. The height of the barrier is 24 inches. The flow direction is indicated by an arrow labeled "FLOW".



STONE SIZE: ASTM D448 SIZE #1 ( 1.5" to 3.5" DIAMETER).

The exit shall be maintained in a condition which will prevent tracking or flow of mud onto public rights-of-way. This may require washing the pad periodically with water to remove trapped sediment and/or adding a top dressing of 1.5-3.5 inch stone, whatever conditions demand. All materials spilled, dropped, washed, or tracked from vehicles or site onto roadways or into storm drains must be removed immediately.

A PROTECTIVE COVERING (BLANKETS) OR SOIL STABILIZATION MAT USE TO ESTABLISH PERMANENT VEGETATION ON STEEP SLOPES, CHANNELS, OR SHORELINES.

UPSTREAM TERMINAL

TRANSVERSE CHECK LOT

DOWNSTREAM TERMINAL

5'

15-20'

15-20'

Project Name: Fayette Co. Fire Station No.2		Address: 13330 Gwa Hwy 92	
City/County: Fayette County		Date on Plans: 09/21/2018	
Name/email of person filling out checklist: GEORGE HARPER P.E. <a href="mailto:george@paramountengineering.com">george@paramountengineering.com</a>			
<b>TO BE SHOWN ON ESRSP PLAN</b>			
Plan	Included		
9	Y		
<p>1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.  <i>(The completed Checklist must be submitted with the ESRSP Plan or the Plan will not be reviewed.)</i></p>			
6-11	Y		
<p>2 Level II certification number issued by the Commission, signature and seal of the certified design professional.  <i>(Signatures, seals and Level II number must be on each sheet pertaining to ESRSP Plan or the Plan will not be reviewed.)</i></p>			
	N/A		
<p>3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPDO approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist *  <i>(A copy of the written approval by EPDO must be attached to the plan for the plan to be reviewed.)</i></p>			
6-8	Y		
6-8	Y		
6-8	Y		
6-8	Y		
<p>4 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution control</p>			
<p>5 Provide the name, address and phone number of primary permittee.</p>			
6-8	Y		
6-8	Y		
<p>6 Note total and disturbed acreage of the project or phase under construction.</p>			
<p>7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.</p>			
6-8	Y		
<p>8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revision.</p>			
11	Y		
<p>9 Description of the Nature of construction activity.</p>			
1	Y		
6-8	Y		
<p>10 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.</p>			
6-8	Y		
<p>11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.</p>			
11	Y		
<p>12 Design professional's certification statement and signature that the site was visited prior to development of the ESRSP Plan as stated on page 15 of the permit.</p>			
11	Y		
<p>13 Design professional's certification statement and signature that the permittee's ESRSP Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.</p>			
6-8	Y		
<p>14 Clearly note the statement that "The design professional who prepared the ESRSP Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation."</p>			
6-8	Y		
<p>15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 75 to 50-foot undisturbed stream buffers as measured from the point of wetted vegetation or within 25-feet of the coastal marshland buffers as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."</p>			
	N/A		
6-8	Y		
<p>16 Provide a description of any buffer encroachments and indicate whether a buffer variance is necessary.</p>			
6-8	Y		
<p>17 Clearly note the statement that "Amendments/revisions to the ESRSP Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."</p>			
6-8	Y		
<p>18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit."</p>			

6-8	Y	19	Clearly note statement that "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."
6-8	Y	20	Clearly note statement that "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."
6-8	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
	N/A		
	N/A		
7-9	Y	24	Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream and within the same watershed as, any portion of an Inlets Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix I listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment."
6-8	Y	23	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ESSCAP Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan."
6-8	Y	24	BMPs for concrete washdown of tools, concrete mixer chucks, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited."
6-8	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks."
6-8	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed."
6-8	Y	27	Description of the practices that will be used to reduce the pollutants in storm water discharges."
6-8	Y	28	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
11	Y	29	Provide complete requirements of inspections and record keeping by the primary permittee."
11	Y	30	Provide complete requirements of sampling frequency and reporting of sampling results."
11	Y	31	Provide complete details for retention of records as per Part IV. F. of the permit."
11	Y	32	Description of analytical methods to be used to collect and analyze the samples from each location."
11	Y	33	Appendix B rationale for NTU values at all outfall sampling points where applicable."
6-8	Y	34	delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged."
6-8	Y	35	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase."

6-8	Y	36	Graphic scale and North arrow.												
6-8	Y	37	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:												
			<table border="1"> <thead> <tr> <th>Map Scale</th> <th>Ground Slope</th> <th>Contour Intervals, ft.</th> </tr> </thead> <tbody> <tr> <td>1 inch = 100ft or larger scale</td> <td>Flat 0 - 2%</td> <td>0.5 or 1</td> </tr> <tr> <td></td> <td>Rolling 2 - 8%</td> <td>1 or 2</td> </tr> <tr> <td></td> <td>Steep 8%+</td> <td>2.5 or 10</td> </tr> </tbody> </table>	Map Scale	Ground Slope	Contour Intervals, ft.	1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1		Rolling 2 - 8%	1 or 2		Steep 8%+	2.5 or 10
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1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1													
	Rolling 2 - 8%	1 or 2													
	Steep 8%+	2.5 or 10													
	N	38	Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at <a href="http://www.gswac.org">www.gswac.org</a> .												
	N	39	Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.*												
6-8	Y	40	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.												
6-8	Y	41	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.												
6-8	Y	42	Delineation and acreage of contributing drainage basins on the project site.												
Hydro	Y	43	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*												
6-8	Y	44	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities completed.												
6-8	Y	45	Storm-drain pipe and wet velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.												
6-8	Y	46	Soil series for the project site and their delineation.												
6-8	Y	47	The limits of disturbance for each phase of construction.												
6-8	Y	48	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin retrofitted detention pond, another excavated inlet sediment traps for each temporary construction location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the basin has been achieved. A written justification explaining the design to use equivalent controls when a sediment basin is not attainable must be included in the plan for each area of drainage location in which sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When drawn from sediment basins and impoundments, permisses are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible a written justification explaining this decision must be included in the plan.												
6-8	Y	49	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.												
9	Y	50	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines forth in the Manual for Erosion and Sediment Control in Georgia.												
9	Y	51	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate of the year that seedling will take place and for the appropriate geographic region of Georgia.												

\*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the "x" checklist items would be N/A.

Effective January 1, 2018

**Paramount**  
ENGINEERING, LLC

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11 E. BROAD ST.  
NEWNAN, GA. 30263

PH: (770)-473-9576  
georgs@paramountengineering.com

10/30/18

GSWCC NO. 09374

REV.	DATE:	DESCRIPTION:
		NOT FOR CONSTRUCTION
DRAWING NO: 280712 - FCFS 2		

PROJECT: <b>Fayette Co. Fire Station No.2</b>			
SHEET: <b>LL 256</b>		EROSION CONTROL DETAILS	
		5TH DISTRICT	FAYETTE COUNTY
DATE: 10/30/2018	DRAWN BY: GPH		SCALE: NTS

SHEET

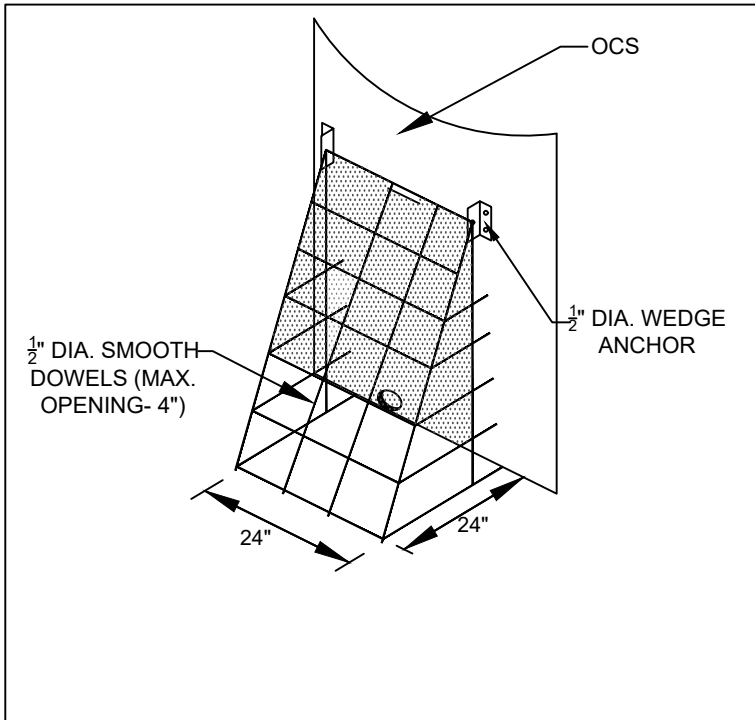
**C9**



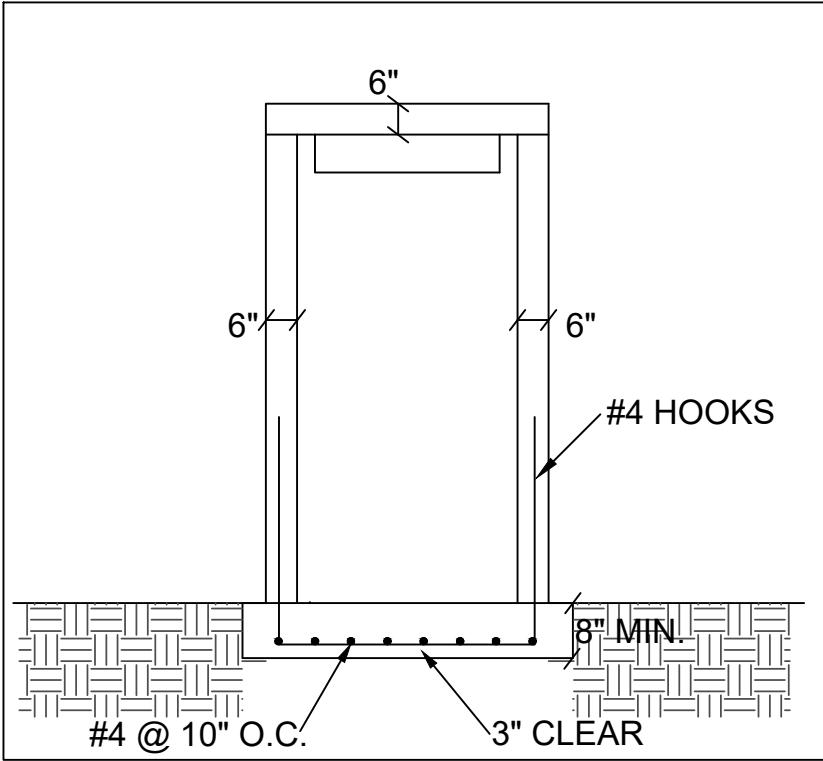
**CAUTION**  
THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

**NOTES:**  
- DURING CONSTRUCTION - LEAVE 6" ORIFICE OPEN AND USE A RETROFIT DEVICE IN FRONT OF THE OUTLET STRUCTURE TO CONTROL SEDIMENT. AFTER THE SITE IS STABILIZED, PLUG THIS HOLE AND INSTALL 6" PVC WITH THREADED CAP AND WATER QUALITY OUTLET/HOOD.  
- CONTRACTOR TO INSTALL A SEDIMENT CLEANOUT MARKER.  
- SINCE THE EMERGENCY OVERFLOW WILL BE ACTIVATED FOR ANY STORM EVENT BEYOND THE 1-YR EVENT, THE EMERGENCY OVERFLOW WEIRS SHOULD BE BLOCKED OFF DURING CONSTRUCTION.

Typical Maintenance Activities for Stormwater Ponds		
Activity		Schedule
<ul style="list-style-type: none"><li>Clean and remove debris from inlet and outlet structures.</li><li>Mow side slopes and pond bottom.</li></ul>		Monthly
<ul style="list-style-type: none"><li>Inspect for damage, paying particular attention to the control structure.</li><li>Remove trash and debris accumulated in the inflow forebay.</li><li>Check for signs of eutrophic conditions.</li><li>Note signs of hydrocarbon build-up, and remove appropriately.</li><li>Monitor for sediment accumulation in the facility and forebay.</li><li>Examine to ensure that outlet device is free of debris and operational.</li><li>Check all control gates, valves or other mechanical devices.</li></ul>		Annual Inspection
<ul style="list-style-type: none"><li>Repair undercut or eroded areas.</li></ul>		As Needed
<ul style="list-style-type: none"><li>Monitor sediment accumulations, and remove sediment when the pool volume has become reduced significantly, or the pond becomes eutrophic.</li></ul>		10 to 20 years or after 25% of the permanent pool volume has been lost



**PREFABRICATED TRASH RACK DETAIL**  
(N.T.S.)



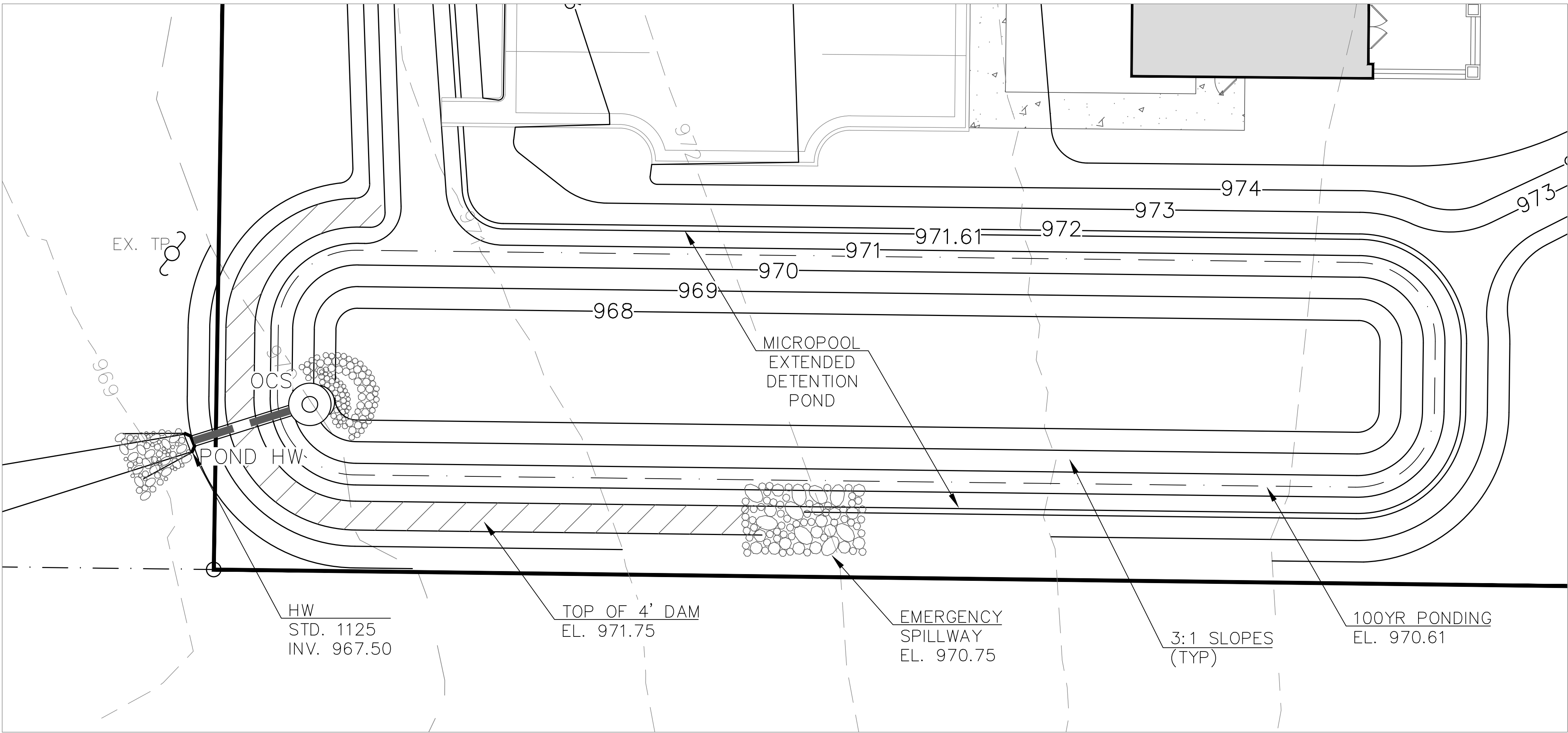
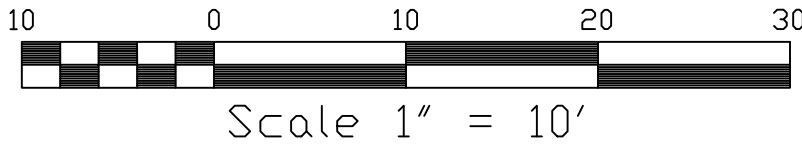
**TYPICAL OCS DETAIL**  
(N.T.S.)

**OWNER/DEVELOPER:**

24 HOUR CONTACT  
PRIMARY PERMITTEE  
FAYETTE COUNTY  
DAVID SCARBROUGH  
140 Stonewall Ave. W.  
Fayetteville, GA. 30214  
PH: 770-305-5174

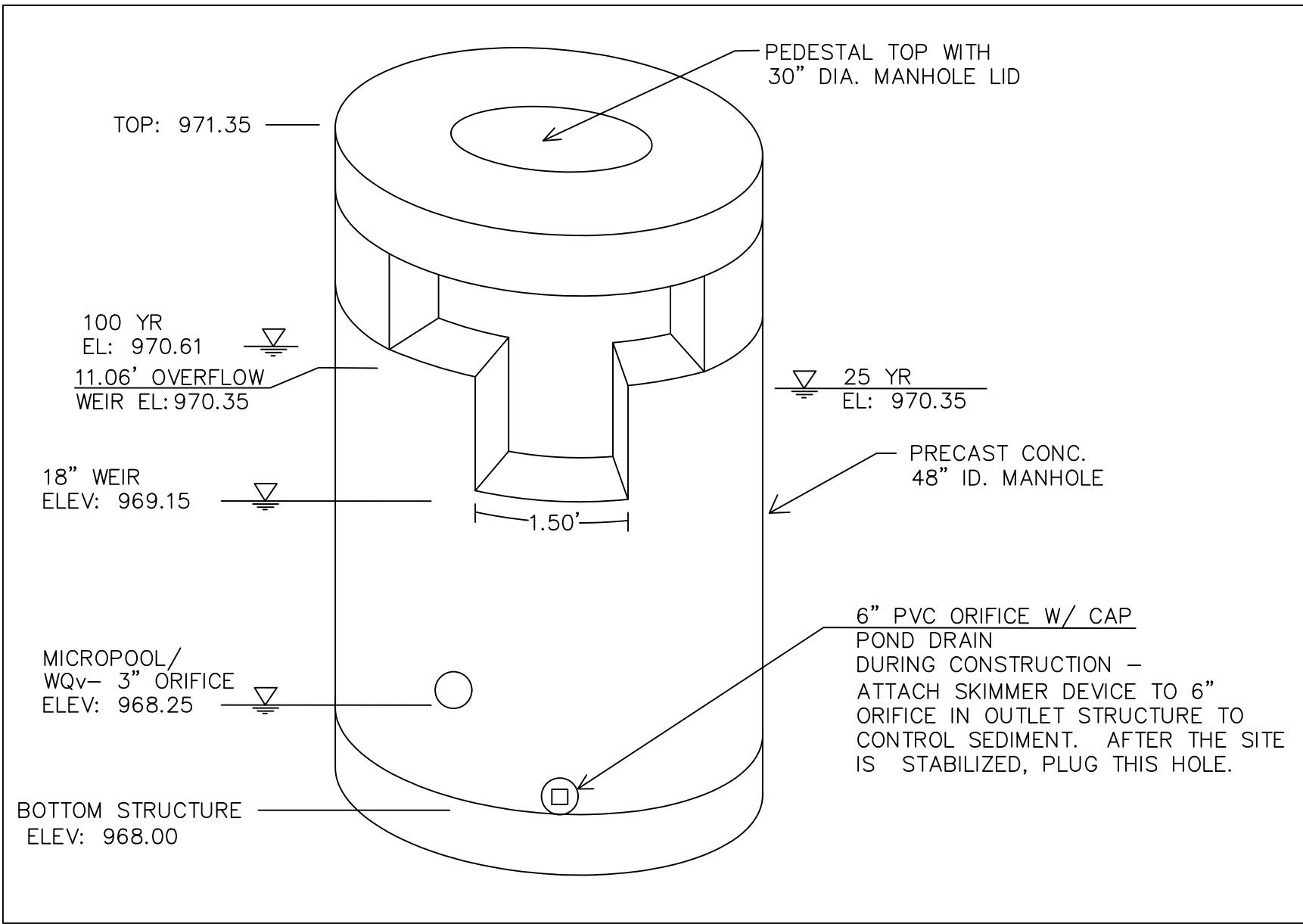
**LEGEND**

P.O.B. POINT OF BEGINNING	EXISTING	EX.
P.O.R. POINT OF REFERENCE	PROPOSED	PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT	PR. FIRE HYDRANT
I.P.S. IRON PIN SET	EX. FIRE HYDRANT	EX. FIRE HYDRANT
P.L. PROPERTY LINE	EX. WATER VALVE	EX. WATER VALVE
C.M.F. CONCRETE MONUMENT FOUND	PR. WATER VALVE	PR. WATER VALVE
L.L.L. LAND LOT LINE	WATER METER	WATER METER
B.O.C. BACK OF CURB	ELECTRIC BOX	ELECTRIC BOX
E.O.P. EDGE OF PAVEMENT	FLARED END SECTION	FLARED END SECTION
T.W. TOP OF WALL	SANITARY SEWER LINE	SS
B.W. BOTTOM OF WALL	WATER LINE	W
D.E. DRAINAGE EASEMENT	SIGN	SIGN
S SANITARY SEWER MANHOLE - SA	FENCE	FENCE
JUNCTION BOX (JB)	LT-DUTY ASPHALT PAVING	LT-DUTY ASPHALT PAVING
DOUBLE-WING CATCHBASIN (DWCB)	HEAVY-DUTY ASPHALT PAVING	HEAVY-DUTY ASPHALT PAVING
SINGLE-WING CATCHBASIN (SWCB)		
DROP INLET (DI)		
HEADWALL		
DRAINAGE FLOW		
LIGHT POLE (LP)		
POWER POLE (PP)		

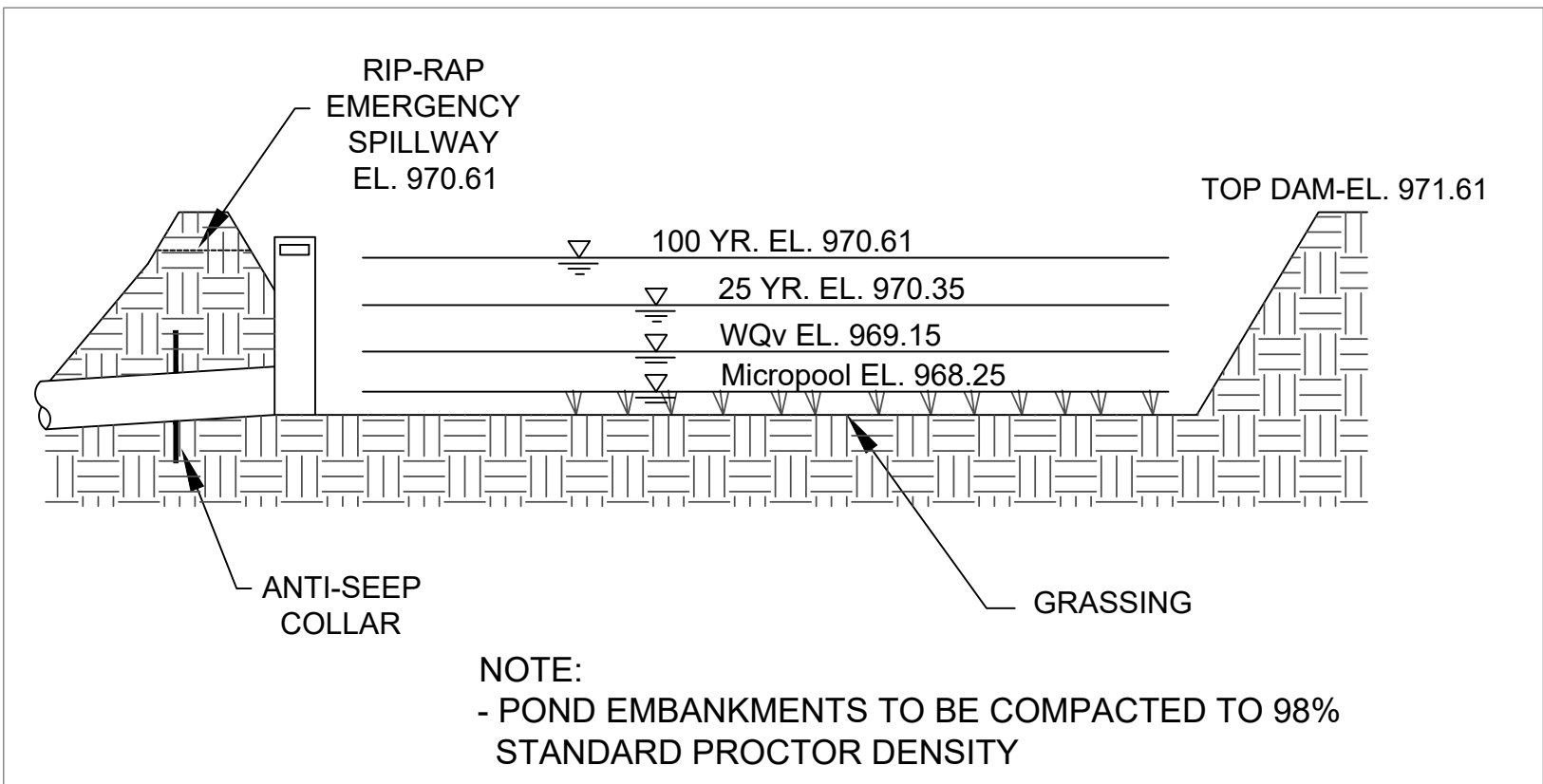


**MICROPOOL EXT. DETENTION POND PLAN**

SCALE: 1"=10'



**MICROPOOL DETENTION POND**  
**OCS DETAIL N.T.S.**



**POND SECTION**

NO SCALE

**NOTE:**  
- POND EMBANKMENTS TO BE COMPACTED TO 98% STANDARD PROCTOR DENSITY



Primary Permittee	Operator	Qualified Personnel
OWNER/DEVELOPER:  FAYETTE COUNTY DAVID SCARBROUGH 140 Stonewall Ave. W. Fayetteville, GA. 30214 PH: 770-305-5174	CONTRACTOR:  24 Hour Contact: DAVID SCARBROUGH PHONE: (770) 305-5174	CIVIL ENGINEER (NPDES):  PARAMOUNT ENGINEERING, LLC. 11 E. BROAD ST. NEWNAN, GEORGIA 30263 (770)-473-9576
<b>Description of Existing Land Use:</b> <b>Site Purpose and Construction Activity:</b> COMMERCIAL - FIRE STATION & PARKING LOT.		
<b>Site Description and Location:</b> LOCATION: LANDLOT 256, 5th DISTRICT, FAYETTE COUNTY, GEORGIA. SITE AREA: 4.08 ACRES. INITIAL AREA OF DISTURBANCE: 0.43 ACRES. TOTAL AREA OF DISTURBANCE: 1.61 ACRES. SOIL TYPES: AmB (APPLING SANDY LOAM, 2 TO 6% SLOPES).		
Wetlands: THERE ARE <b>NO WETLANDS</b> ON OR WITHIN 200' OF THE SITE.		
Receiving Waters UNNAMED TRIBUTARY TO TAR CREEK.		
State Waters THERE ARE <b>NO BUFFERED STATE WATERS</b> ON OR WITHIN 200' OF THE SITE.		
Drainage Description Please refer to the grading plan, prepared by PARAMOUNT ENG. for more specific information concerning proposed drainage patterns & slopes, & stormwater discharge locations.		
Slopes After Grading Maximum Slope is 2:1		
Erosion Control Measures Structural & nonstructural controls will be used onsite to prevent erosion during construction including temporary & permanent grassing, check dams, silt fencing, & a proposed detention pond/sediment basin.		
NTU Value An NTU value of 50 was selected from Appendix B based on the site size and the surface water drainage area.		

1. Site Description

The proposed site will be used for a fire station & parking lot.

Approximately 1.61 acres of disturbed land will be utilized for this development. Silt fencing will be the main component of erosion control measures. However numerous structural and nonstructural controls will be implemented throughout the site. Temporary vegetation as well as permanent vegetation will be strongly utilized and are essential for the development of this complex. However, the proposed detention pond/sediment basin for the development will accommodate the disturbed area sediment storage requirement as this site drains to the proposed pond.

2. Controls

The following controls will be implemented at the construction site:

- Initial perimeter controls will include silt fencing, temporary sediment basin, skimmer on OCS, & a crushed stone pad to be used at the construction exit.
- Intermediate grading & drainage BMP's will include silt fencing, matting & blankets, check dams & temporary grassing.
- Final BMPs will include skimmer removal & conversion of the temporary sediment basin into a permanent water quality pond, permanent grassing, & landscaping.

Stabilization measures will be initiated as soon as practical in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site that has temporarily or permanently ceased. Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceases is precluded by snow cover or other adverse weather conditions, stabilization measures shall be initiated as soon as practical. Where construction activity will resume on a portion of the site within 21 days from when activities ceased, (i.e., the total time period that construction activity is temporarily ceased is less than 21 days) then stabilization measures do not have to be initiated on that portion of the site by the 14th day after construction activity temporarily ceased.

Other Controls

- Waste disposal. Solid materials, including building materials, will not be discharged to waters of the state, except as authorized by a Section 404 permit.
- Off-site vehicle tracking of dirt, solids, and sediments and the generation of dust will be minimized or eliminated to the maximum extent practical. A construction exit consisting of a crushed stone pad to minimize off-site vehicle tracking of dirt.
- The permittee may use any approved facility for waste disposal that he chooses.
- Petroleum Spills and Leaks

A. Best management practices for prevention of petroleum spills:  
All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers that are clearly labeled. Any petroleum to be stored in tanks will have be surrounded by an earthen berm as a secondary protective measure. Any Asphalt substances used onsite will be applied according to the manufacturer's recommendations. Contractors and subcontractors are responsible for inspecting their equipment and providing necessary maintenance to eliminate petroleum spills.

B. Best management practices for remediation of petroleum spills:  
Manufactures recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures, the location of the information and the cleanup supplies. Materials and equipment necessary for spill cleanup will be available if needed. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose. All spills will be cleaned up immediately after discovery. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance. Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of size. The spill prevention plan will 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 will also be included. The Operator will designate a spill prevention and cleanup coordinator. The contractor is responsible for providing and implementing a spill prevention plan.

4. Inspections

a. Permittee requirements.

- Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect: (a) all areas at the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment; (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.
- Measure rainfall once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday until a Notice of Termination is submitted. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.
- Certified personnel (provided by the primary permittee) shall inspect the following at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or on any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first); (a) disturbed areas of the primary permittee's construction site; (b) areas used by the primary permittee for storage of materials that are exposed to precipitation; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the primary permittee's site shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4). These inspections must be conducted until a Notice of Termination is submitted.
- Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination is received by EPD) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be inspected to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s).
- Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.
- A report of each inspection that includes the name(s) of personnel making each inspection, the date(s) of each inspection, major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(4). A copy of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a construction project that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall identify any incidents of non-compliance. Where the report does not identify any incidents of non-compliance, the report shall contain a certification that the construction site is in compliance with the Erosion, Sedimentation and Pollution Control Plan and this permit. The report shall be signed in accordance with Part V.G.2. of this permit.

5. Maintenance

- Inspections of erosion control measures will be performed and corrective action taken when needed as required by the plan.
- The permittee shall maintain all erosion control measures until permanent vegetation has been established.
- The permittee shall clean out all sediment ponds when required by the engineer.
- Accumulated silt shall be removed when the silt is two-thirds full. See sediment pond design for clean-out elevations of ponds.

6. Sampling Requirements

This permit requires the monitoring of nephelometric turbidity in receiving water(s) or outfalls in accordance with this permit. This paragraph shall not apply to any land disturbance associated with the construction of single-family homes which are not part of a subdivision or planned common development unless five (5) acres or more will be disturbed. The following procedures constitute EPD's guidelines for sampling turbidity.

a. Sampling Requirements shall include the following:

- A USGS topographic map, a topographic map or a drawing (referred to as a topographic map) that is a scale equal to or more detailed than a 1:24000 map showing the location of the site or the stand alone construction; (a) the location of all perennial and intermittent streams and other water bodies as shown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during mandatory field verification, into which the storm water is discharged and (b) the receiving water and/or outfall sampling locations. When the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the USGS topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map from where the storm water(s) enters the receiving water(s) to the point where the receiving water(s) combines with the first blue line stream shown on the USGS topographic map;
- A written narrative of site specific analytical methods used to collect, handle and analyze the samples including quality control/quality assurance procedures. This narrative must include precise sampling methodology for each sampling location;
- When the permittee has determined that some or all outfalls will be sampled, a rationale must be included on the Plan for the NTU limit(s) selected from Appendix B. This rationale must include the size of the construction site, the calculation of the size of the surface water drainage area, and the type of receiving water(s) (i.e., trout stream or supporting warm water fisheries) ; and
- Any additional information EPD determines necessary to be part of the Plan. EPD will provide written notice to the permittee of the information necessary and the time line for submittal.
- Sample Type. All sampling shall be collected by "grab samples" and the analysis of these samples must be conducted in accordance with methodology and test procedures established by 40 CFR Part 136 (unless other test procedures have been approved); the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833-B-92-001" and guidance documents that may be prepared by the EPD.

- Sample containers should be labeled prior to collecting the samples.
- Samples should be well mixed before transferring to a secondary container.
- Large mouth, well cleaned and rinsed glass or plastic jars should be used for collecting samples. The jars should be cleaned thoroughly to avoid contamination.
- Manual, automatic or rising stage sampling may be utilized. Samples required by this permit should be analyzed immediately, but in no case later than 48 hours after collection. However, samples from automatic samplers must be collected no later than the next business day after their accumulation, unless flow through automated analysis is utilized. If automatic sampling is utilized and the automatic sampler is not activated during the qualifying event, the permittee must utilize manual sampling or rising stage sampling during the next qualifying event. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter. Samples are not required to be cooled.
- Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in this permit must be reported to EPD as specified in Part IV.E.

c. Sampling Points.

- For construction activities the primary permittee must sample all receiving water(s), or all outfall(s), or a combination of receiving water(s) and outfall(s). Samples taken for the purpose of compliance with this permit shall be representative of the monitored activity and representative of the water quality of the receiving water(s) and/or the storm water outfalls using the following minimum guidelines:
  - The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first storm water discharge from the permitted activity (i.e., the discharge farthest upstream at the site) but downstream of any other storm water discharges not associated with the permitted activity. Where appropriate, several upstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the upstream turbidity value.
  - The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last storm water discharge from the permitted activity (i.e., the discharge farthest downstream at the site) but upstream of any other storm water discharge not associated with the permitted activity. Where appropriate, several downstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the downstream turbidity value.
  - Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the storm water outfall channel(s).
  - Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall storm water channel.
  - The sampling container should be held so that the opening faces upstream.
  - The samples should be kept free from floating debris.
  - Permittee's do not have to sample sheet-flow that flows onto undisturbed natural areas or areas stabilized by the project. For purposes of this section, stabilized shall mean, 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 EPO for waste disposal, 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures as defined in the Manual (excluding a crop of annual vegetation and a seeding of target crop perennials appropriate for the region) .
  - All sampling pursuant to this permit must be done in such a way (including generally accepted sampling methods, locations, timing, and frequency) as to accurately reflect whether storm water runoff from the construction site is in compliance with the standard set forth in Parts 111.D.3. or 111.D.4 . . , whichever is applicable.

d. Sampling Frequency.

- The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any storm water discharge to a monitored receiving water and/or from a monitored outfall location within in forty-five (45) minutes or as soon as possible.
- However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the storm water discharge.
- Sampling by the permittee shall occur for the following qualifying events:
  - For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a storm water discharge that occurs during normal business hours as defined in this permit after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the sampling location;
  - In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a storm water discharge that occurs during normal business hours as defined in this permit either 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the sampling location, whichever comes first;
  - At the time of sampling performed pursuant to (a) and (b) above, if BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours" until the selected turbidity standard is attained, or until post-storm event inspections determine that BMPs are properly designed, installed and maintained;
  - Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a), (b) or (c) above; and
  - Existing construction activities, i.e., those that are occurring on or before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.\*Note that the permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for sampling at any time of the day or week.

7. Non-storm water discharges

Except for flows from fire fighting activities, sources of non-storm water listed in Part 111.A.2. of this permit that are combined with storm water discharges associated with construction activity must be identified in the Plan. The Plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

E. Reporting

- The applicable permittee's are required to submit the sampling results to the EPD at the address shown in Part II.C. by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any storm water discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD. The sampling reports must be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.
- All sampling reports shall include the following information:
  - The rainfall amount, date, exact place and time of sampling or measurements;
  - The name(s) of the certified personnel who performed the sampling and measurements;
  - The date(s) analyses were performed;
  - The time(s) analyses were initiated;
  - The name(s) of the certified personnel who performed the analyses;
  - Reference and written procedures, when available, for the analytical techniques or methods used;
  - The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
  - Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU," and
  - Certification statement that sampling was conducted as per the Plan.
- All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of this permit. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI. If an electronic submittal is provided by EPD then the written correspondence may be submitted electronically; if required, a paper copy must also be submitted by return receipt certified mail or similar service.

Submit sampling reports for this project to:

Address: Mountain District - Atlanta Satellite  
Georgia Environmental Protection Division  
4244 International Parkway, Suite 114  
Atlanta, Georgia 30354-3906  
(404) 362-2671

F. Retention of Records

- The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI:
  - A copy of all Notices of Intent submitted to EPD;
  - A copy of the Erosion, Sedimentation and Pollution Control Plan required by this permit;
  - The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5 of this permit;
  - A copy of all sampling information, results, and reports required by this permit;
  - A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit;
  - A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2 of this permit; and
  - Daily rainfall information collected in accordance with Part IV.D.4.a.(2). of this permit.
- Copies of all Notices of Intent, Notices of Termination , inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI. of this permit. These records must be maintained at the permittee's primary place of business or at a designated alternative location once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the permittee.

8. Plan Preparation and Compliance

IV.A(5) For stand alone projects that begin construction activity after the effective date of this permit, the primary permittee must retain the design professional who prepared the Erosion, Sedimentation and Pollution Control Plan, except when the primary permittee has requested in writing and EPD has agreed to an alternate design professional, to inspect the installation of the initial sediment storage requirements and perimeter control BMP's which the design professional designed within seven (7) days after installation. The design professional shall determine if these BMP's have been installed and are being maintained as designed. The design professional shall report the results of the inspection to the primary permittee within seven (7) days and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required.

Certification

"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION."

*George P. Harper, PE.* 09/21/18  
GEORGE P. HARPER, PE. DATE

Certification

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR 100001."

*George P. Harper* 09/21/18  
Georgia Licensed Professional Date

Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that certified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Primary Permittee Date

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 onsite vehicles and machinery daily inspections and regular preventive maintenance of such equipment. Equipment maintenance areas will be located away from State Waters, natural drains, and storm water drainage inlets. In addition, temporary fueling tanks shall have a secondary containment liner to prevent/minimize 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/Solvents -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 and recommendations.

Concrete Truck Washing -NO concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water onsite.

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 GSWCC Manual for Erosion and Sediment Control in Georgia. Any storage of these materials will be under roof in sealed containers.

Building Materials -No building or construction materials will be buried or disposed of onsite. All such material will be disposed of in proper waste disposal procedures.

Hazardous Wastes

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 seeing that these practices are followed, will instruct site personnel in these practices. Material Safety Data Sheets (MSDS's) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained in the ESPCP 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 in 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 this ESPCP 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 one area where the likelihood of the unit contributing to storm water discharge is negligible. Additional containment BMP's must be implemented, such as gravel bags or specially designed plastic skid containers around the base to prevent wastes from contributing to storm water discharges. The location of sanitary waste units must be identified on the ES&PC Plan by the contractor once the locations have been determined.

Sanitary Sewer will be provided by Municipal Authority at the completion of this Project.

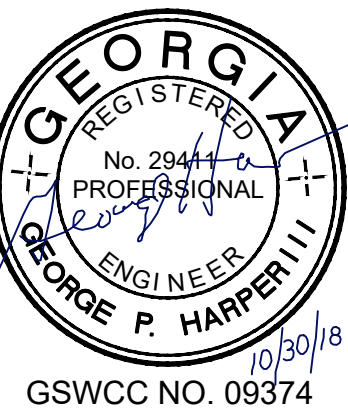
PROJECT: Fayette Co. Fire Station No.2		REV. DATE: DESCRIPTION: NOT FOR CONSTRUCTION	
SHEET: NPDES NOTES	FAYETTE COUNTY	DRAWING NO: 280712 - FCFS 2	
LL 256	5TH DISTRICT	SCALE: NTS	
DATE: 10/30/2018	DRAWN BY: GPH		
SHEET			
C11			



ENGINEERING, LLC

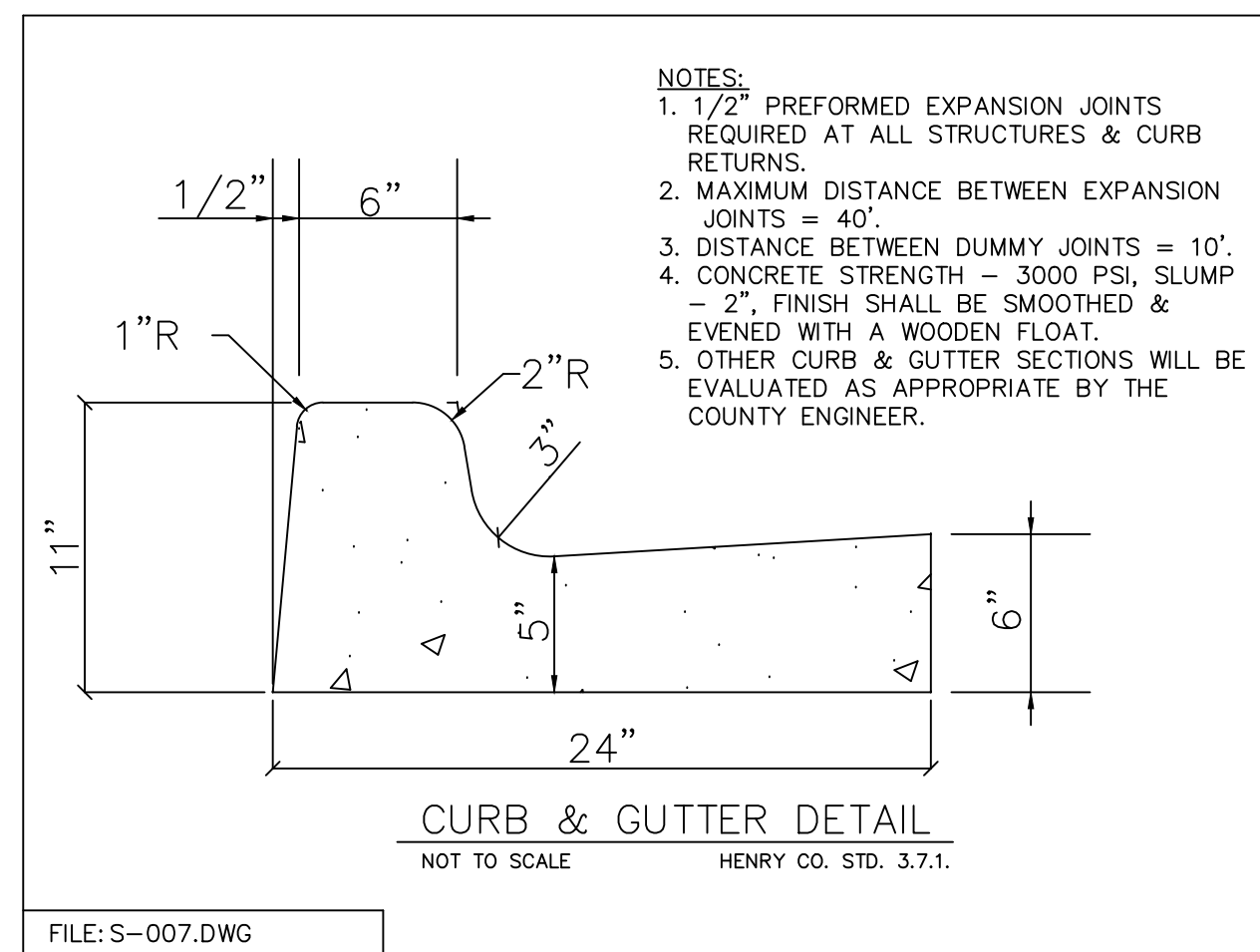
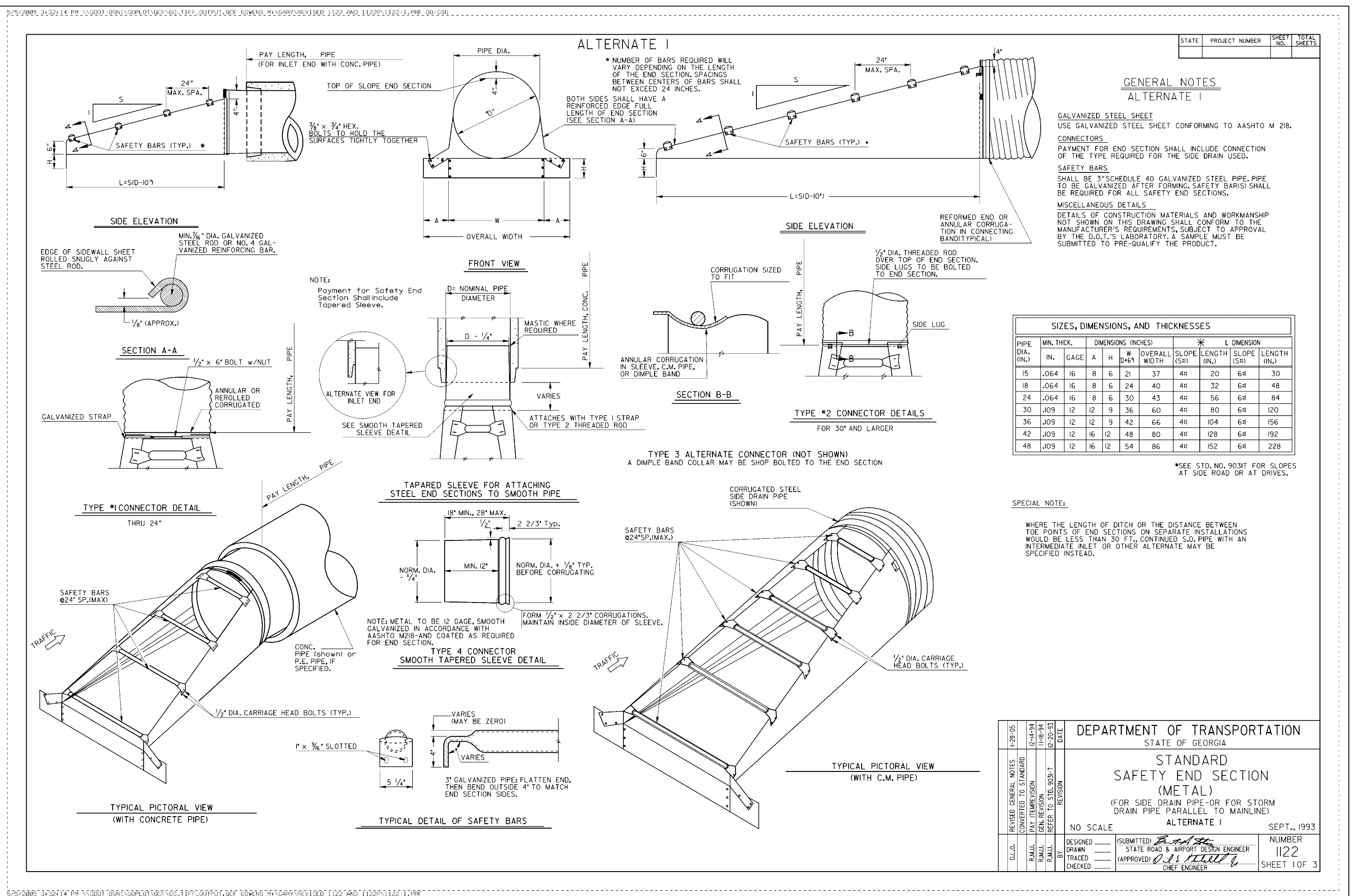
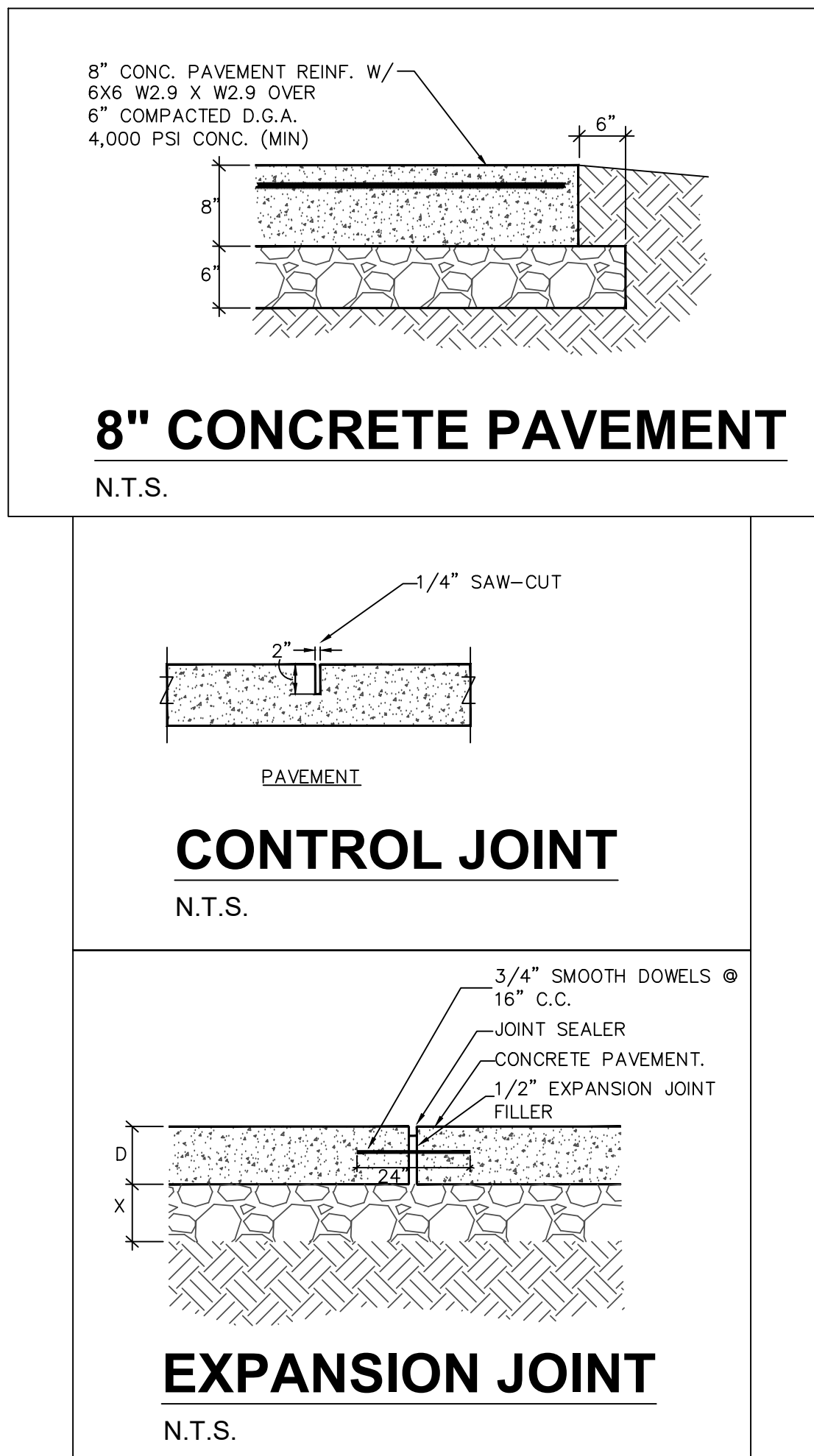
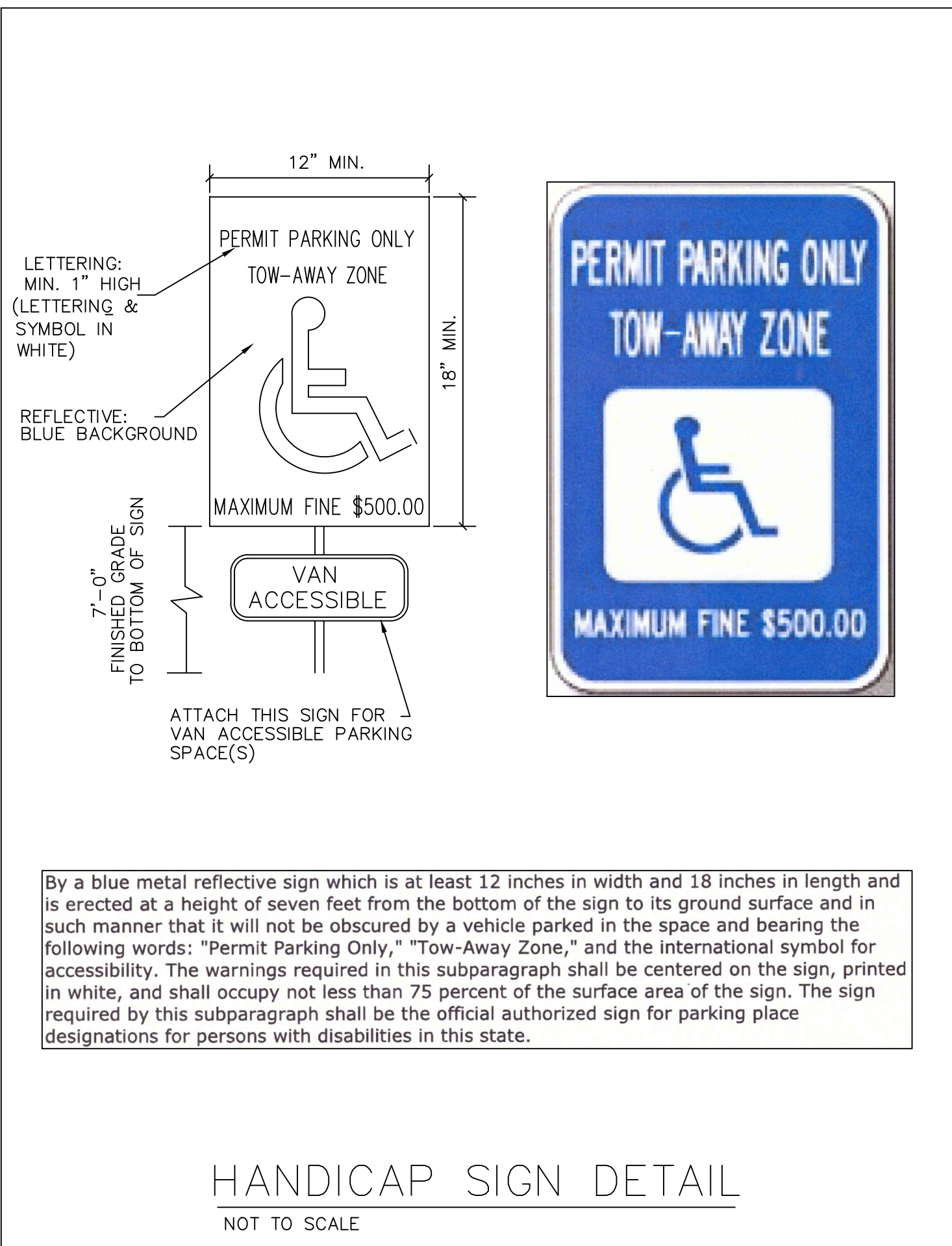
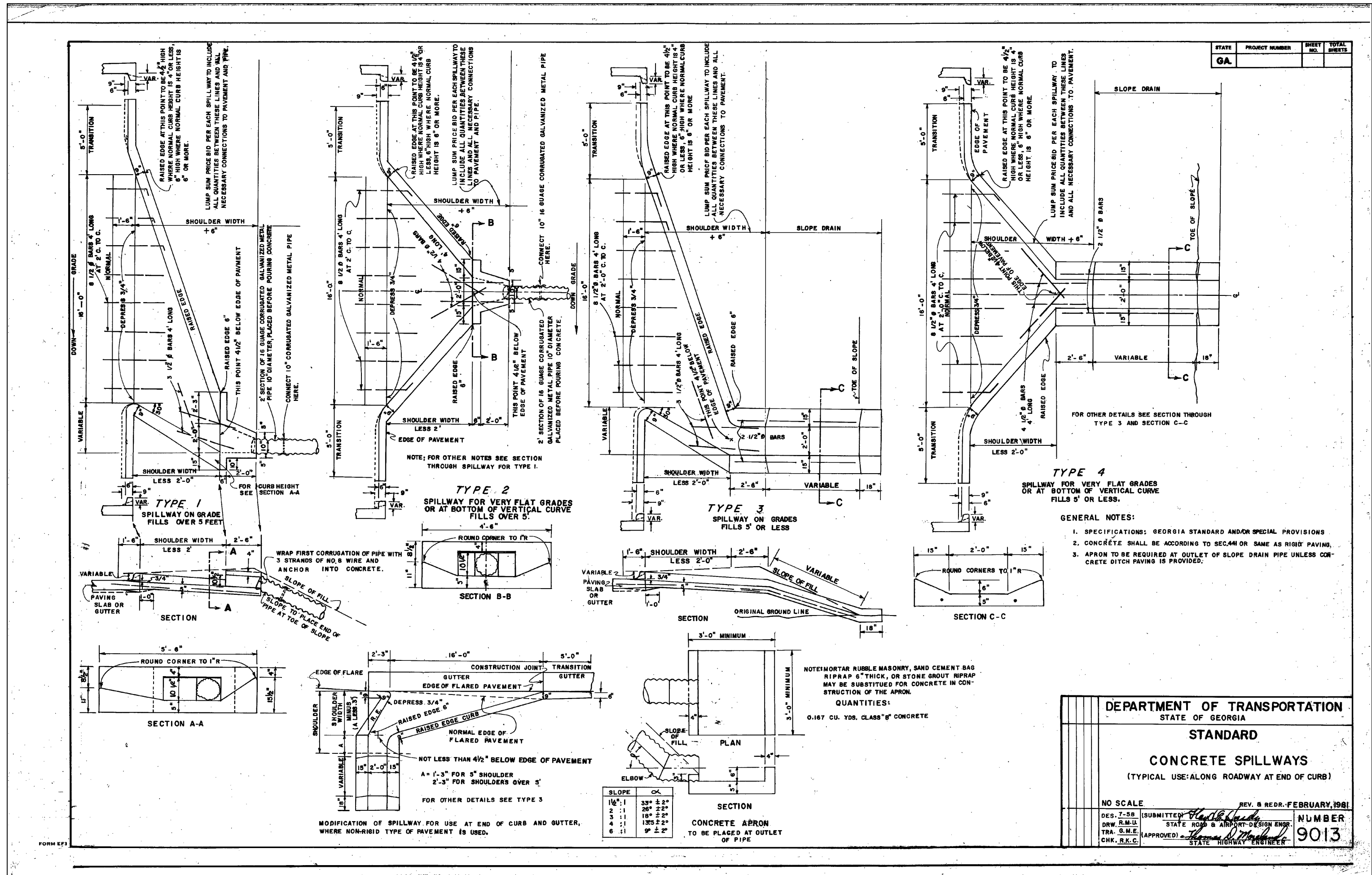
11 E. BROAD ST.  
NEWNAN, GA. 30263

PH: (770)-473-9576  
george@paramountengineering.com

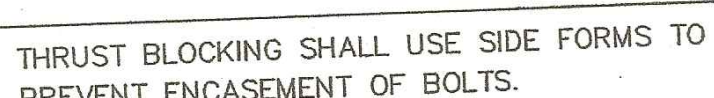


10/30/18  
GSWCC NO. 09374





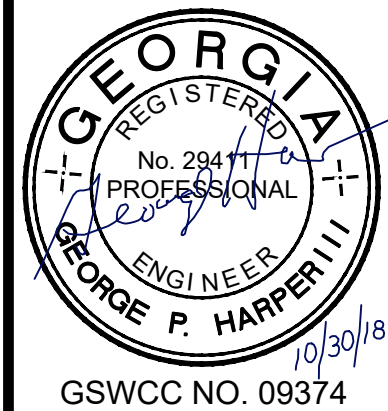
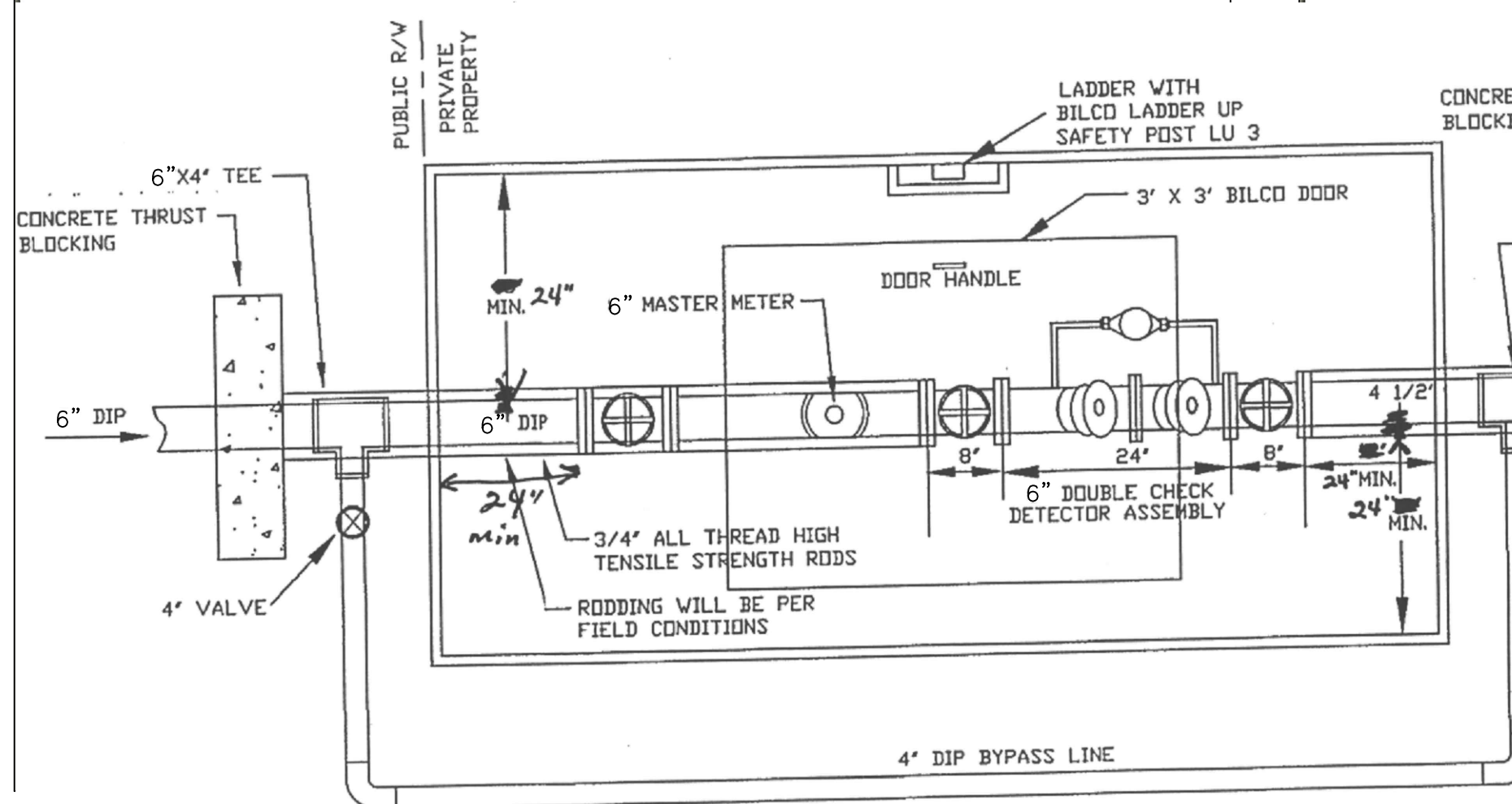




ALL BACKFILL PLACED OVER PIPES MUST BE COMPACTED TO 98% MAX. DRY DENSITY



1. Fayette County Water System specifications and details shall govern all water main construction.
2. All materials and installation shall be in accordance with Fayette County Water System and AWWA standards and specifications.
3. New Water Main to be installed after curb and gutter has been constructed and must be located 7' from the back of the curb. EOM should have hydrant or other flush point.
4. Ductile Iron (D.I.P.) shall be minimum pressure class 300 cement mortar lined, per ANSI C151A121.51. All fittings shall be Ductile Iron per ANSI A21.10 or A21.53. All service piping shall be copper.
5. Provide Thrust Restraint (Thrust Blocks or Restrained Joints) at all bends, Tees, Crosses and end fittings. (EOL) Side forms shall be used to prevent encasement of bolts. Service Taps shall not be located beneath pavement.
6. Maintain 4" minimum clearance between waterline and other structures.
7. Contractor shall maintain a minimum of 4' over all water line.
8. Gate valves shall be utilized for all extensions. Inline valves shall be placed at all intersections and at every third hydrant for future isolation purposes.
9. Long distance mains shall be sleeved with PVC material or better to preserve the structural integrity of roads for future maintenance.
10. Contractor shall flag Water Line and Service locations to prevent damage by other Utility Contractors.
11. Long distance mains throughout the project (80% pervious, 90% impervious)
12. Unsuitable soil materials shall be replaced with Suitable Materials.
13. New Water Line shall be pressure tested for 2 hours at 200 P.S.I. Unacceptable leakage shall be repaired and water shall be replaced prior to acceptance by Fayette County Water System. Main must be disinfected prior to being placed in service.
14. All Double Water Services shall be 1" Type "K" Copper and Single Services shall be 3/4" Type "K" Copper.
15. Top of curbs shall be permanently marked and painted Blue at Main and Service Crossings, as well as, Valve and Meter locations.
16. All Fire Hydrants shall be operational prior to allowing combustible construction. Fire Hydrant spacing shall not exceed 600'. All hydrant/barsels shall be 12" in diameter. Variance: Any variance for fire hydrant spacing must be approved by the Fire Department and Fire Marshal. See Fire Department drawings. Read Fayette County Ordinance Code of Ordinances Sec. 12-99, 12-100, 12-91, 12-92. All fire hydrants shall be painted silver and plumb. 6" minimum main size for hydrants required.
17. Meter Bore shall be placed 6" from back of curb. Location of meters shall not be encased in asphalt or concrete. Alternate locations will be approved by F.C.W.S.
18. Any existing road.
19. Water contractor performing any work within an existing right of way must comply with the MUTCD 2003 Edition with Revisions Number 1 and 2 Incorporated, dated December 2007. Flaggers must possess a current certification card. Documentation shall be available upon request by any County Employee.
20. Water to be provided by Fayette County Water System.
21. All tie-ins shall be coordinated with Fayette County Water System. Existing valves shall be operated by County personnel only.
22. Contractor shall notify Fayette County Water System 24 hours prior to beginning construction or requesting inspections. All work must be inspected prior to backfill and compaction. Any work covered prior to inspection is subject to rejection until it has been exposed and inspected by Fayette County Water Personnel.
23. No trenches or pits are to be left open overnight or through a weekend. If crew vacates job site during daytime hours, a properly constructed, highly visible barricade must be erected.
24. While the excavation is open, underground installations shall be protected, supported or removed as necessary to safeguard employees.
25. Means of egress for trench excavations. A stairway, ladder, ramp or other safe means of egress shall be located in trench excavations that are 4 feet or more in depth so as to require no more than 25 feet of lateral travel for employees.
26. Contact Matt Bergen at the Fayette County Water System to schedule a preconstruction meeting prior to beginning any work. Phone: 770-391-5150.
27. All contractors must have a Certified Competent Person on site while work is being performed. Documentation shall be available upon request by any County Employee.
28. All contractors performing any Land Disturbing Activity shall have attended the GSWCC Sub Contractor Awareness Course. Contractors who work on projects where the primary permittee has obtained a Level 1A Certification. The primary permittee is required to have a Level 1A Certified representative on site at all times. Documentation shall be available upon request by any County Employee.
29. Contractors who are not the primary permittee under contract for Fayette County Water System shall be considered the secondary permittee for each project. The contractor shall be required to have a GSWCC Level 1A Certified representative on site at all times. Documentation shall be available upon request by any County Employee.
30. Contractors who are not the primary permittee under contract for Fayette County Water System shall sign Final Pits and Final Site Plans. One electronic copy of each document should be sent to the inspector upon completion.
31. System shall have a minimum flow of 1,000 GPM at a minimum pressure of 20 p.s.i. with a minimum main size of 6".



REV.	DATE:	DESCRIPTION:

DRAWING NO: 280712 - FCFS 2

PROJECT:		FCFS 2	
SHEET:		WATER SYSTEM DETAILS	
LL 256		5TH DISTRICT	FAYETTE COUNTY
DATE:	10/30/2018	DRAWN BY: GPH	SCALE: NTS



BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13113C 0038E

DATED: SEPTEMBER 6, 2008

SOIL INTERPRETIVE DATA

Soil Units	Depth to Bedrock (in)	Depth to Seasonal High Water Table Indicators (in)	Slope Gradient (percent)	Recommended Trench Depth (in)	Estimated Perc Rate (min/in)	Recommended Hydraulic Loading Rate (gal/day/sq.ft.)	Soil Suit. Code
Cecil	>72	>72	2-8	36-48	60	----	A1

SOIL SUITABILITY CODE LEGEND

A1 Soils are typically suitable for conventional absorption field with proper design, installation and maintenance.

NOTES:

Soil boundary lines should be considered transitional zones between different soil conditions or series rather than an abrupt boundary.  
System installation should not occur under saturated or wet soil conditions  
Absorption fields should not be installed on concave slopes.  
Surface drainage should be diverted away from absorption field lines.  
Gutter downspouts should be discharged away from the vicinity of the on site wastewater system.  
Estimated percolation rates are based on full-sized system performance. However, no guarantee is given or implied as to the performance of any particular system installed.



CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

SEPTIC SYSTEM DESIGN DATA:

SITE USE: PUBLIC FIRE STATION (7 PERSONS)  
SEWERAGE FLOW: 35 GPDPP (Table JT-1)  
WITH KITCHEN ADD: +5 GPDPP  
1 WASHING MACHINE: +500 GPD

TOTAL SEWERAGE FLOW: (40)/(7) + 500 = 780 GPD

USE PERK RATE = 60 MIN/IN.  
PERCOLATION COEFFICIENT =  $\sqrt{60/5} = 1.55$   
PRIMARY TRENCH BOTTOM AREA =  $780 \times 1.55 = 1,209 \text{ SQFT.}$   
PRIMARY TRENCH LENGTH FOR CONVENTIONAL LINE =  $1,209 \text{ SQFT.} / 3 = 403 \text{ FT.}$   
ALLOWABLE REDUCTION OF 35% FOR INFILTRATOR CHAMBERED INITIAL SYSTEM  
PER REQUEST OF FAYETTE CO. FIRE DEPT., USE 300' OF CHAMBERED SYSTEM  
RESERVE 450 FT. OF STANDBY LINE AREA (100% REPLACEMENT)

NOTES:

- TOTAL SITE AREA IS 4.08 Ac.  
TOTAL DISTURBED AREA IS 1.33 Ac.
- FIELD LINES TO BE THE EZ-FLOW SYSTEM. FIELD LINES TO BE INSTALLED A MIN. OF 10-FEET APART CENTER TO CENTER AND A MAXIMUM OF 48" AND MIN. OF 36" DEEP FOR OPTIMUM PERCOLATION.
- FIELD LINES ARE TO BE A MIN. OF 10-FEET FROM PROPERTY LINES AND BUILDINGS.
- ALL LINES AND SEEPAGE PITS TO BE A MIN. OF 5-FEET FROM EXISTING OR PROPOSED PARKING AREAS.
- ALL TANKS & DISTRIBUTION BOXES TO BE STANDARD PRE-CAST & FURNISHED FROM APPROVED MANUFACTURER.
- LEVEL 3 SOIL DATA & PERCOLATION TEST SHOWN HEREON PROVIDED BY APPLIED ENVIRONMENTAL SCIENCES, 90-F Glenda Trace, #327, Newnan, GA, 30265, LEVEL 3- DATE: 09-18-18 (SEE ATTACHED LEVEL III SOIL SURVEY REPORT)
- BOUNDARY INFORMATION TAKEN FROM PLAT PROVIDED BY OWNER.
- THE PERK RATE USED FOR DESIGN IN CECIL SOIL WAS 60 MPI.
- INFILTRATOR CHAMBERED SEPTIC SYSTEM SHALL BE INSTALLED PER MANUFACTURER'S STANDARDS.

OWNER/DEVELOPER:

24 HOUR CONTACT  
PRIMARY PERMITTEE  
FAYETTE COUNTY  
DAVID SCARBROUGH  
140 Stonewall Ave. W.  
Fayetteville, GA. 30214  
PH: 770-305-5174

LEGEND

P.O.B.	POINT OF BEGINNING	EXISTING	EX.
P.O.R.	POINT OF REFERENCE	PROPOSED	PR.
O.T.P.	OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F.	IRON PIN FOUND	PR. FIRE HYDRANT	
I.P.S.	IRON PIN SET	EX. FIRE HYDRANT	
PL	PROPERTY LINE	EX. WATER VALVE	
C.M.F.	CONCRETE MONUMENT FOUND	PR. WATER VALVE	
L.L.L.	LAND LOT LINE	WATER METER	
B.O.C.	BACK OF CURB	ELECTRIC BOX	
E.O.P.	EDGE OF PAVEMENT	FLARED END SECTION	
T.W.	TOP OF WALL	SANITARY SEWER LINE	SS
B.W.	BOTTOM OF WALL	WATER LINE	W
D.E.	DRAINAGE EASEMENT	SIGN	
(S)	SANITARY SEWER MANHOLE - SA	FENCE	
JUNCTION BOX (JB)		LT-DUTY ASPHALT PAVING	
DOUBLE-WING CATCHBASIN (DWCB)		HEAVY-DUTY ASPHALT PAVING	
SINGLE-WING CATCHBASIN (SWCB)			
DROP INLET (DI)			
HEADWALL			
DRAINAGE FLOW			
LIGHT POLE (LP)			
POWER POLE (PP)			

