

May 31, 2018

Subject: ITB #1502-B: Site Development for Fire Station 4 – Addendum 1

Gentlemen/Ladies:

Below, please find responses to questions, clarification, or additional information for the above referenced Invitation to Bid. You will need to consider this information when preparing your bid.

1. What is the anticipated project start date?

The County anticipates moving forward with this project as soon as possible. After the Board of Commissioners approves an award, all required documents are received by the county, and the contract is fully executed with signature of both parties, the county will issue a written Notice to Proceed to the successful contractor.

2. Will CAD Files be released for this project?

CAD files will not be released for this project.

3. Revised Civil Drawings in PDF form (Modifications Bubbled) attached and available for download on the Fayette County website at:

http://www.fayettecountyga.gov/purchasing/bids_and_proposals.htm.

4. SPECIAL INSTRUCTIONS:

The stipulations below will alter and or clarify the intended scope of work to be bid:

1. Please provide an allowance for the excavation and disposal of potential existing septic lines and contaminated soils. Plan for a quantity of 100 cy.
2. Concrete paving (drive isles and parking) are removed from the scope of this project. Subgrades shall be provided as described in the CD's ad project manual.
3. Stop the curbs 10' from the building pad.
4. Sidewalks are not in of this scope of this project.
5. Generator pad is not in the scope of this project.
6. Wheel Stops are not in the scope of this project.
7. Bollards are not in the scope of this project.
8. Flag Pole is not in the scope of this project.
9. A liquidated damages penalty of \$500/day will be included in the final contract for services. This will begin on midnight of the proposed day of completion determined by the time stipulated in the submitted Bid Documents or at a date negotiated prior to contract signature.

ALL DRAWINGS, INFORMATION, AND IMAGES CONVEYED HEREIN ARE PROPERTY OF THE ARCHITECT AND SHALL NOT BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION.

Received by _____ Company _____

Note: If this addendum is not returned to the Fayette County Purchasing Department or if it is returned not signed, all responders shall still be responsible for the requirements of this addendum and the specifications or changes herein.

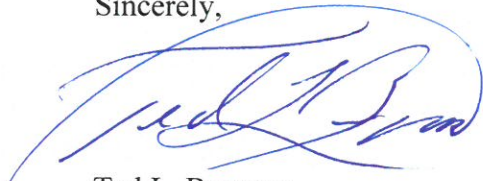
The opening date for this Invitation to Bid has not changed. **The opening date is: 3:00pm, Wednesday, June 6, 2018.** Bids must be received in the Purchasing Department at the address above in Suite 204 on or before the opening date and time.

So that this project can be completed in a timely manner, the time for submitting questions has expired.

If you have already submitted a bid, it will be opened and read on the opening date. If you would not like your bid opened or should you desire to submit a new bid, your original bid must be picked up, or you must notify the Fayette County Purchasing Department **in writing** to, email address: tbarwicks@fayettecountyga.gov or fax to (770) 719-5515 of your desire to not have your bid opened.

Thank you for your attention to this matter.

Sincerely,



Ted L. Burgess
Director of Purchasing

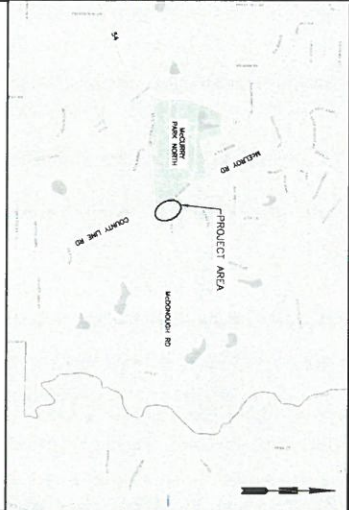
TLB/tcb

GENERAL NOTES

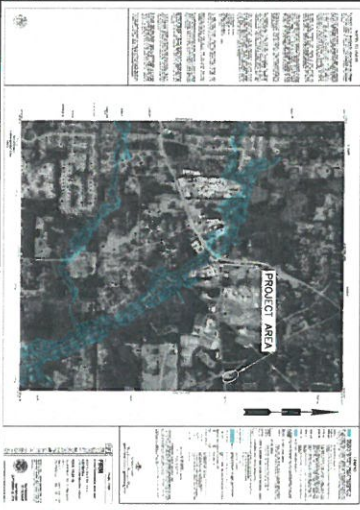
1. ALL SHALL BE SUBJECT TO THE FOLLOWING GENERAL NOTES:
2. THE INSTALLATION OF PERMITS AND SIGNATURE CONTROL, UTILITIES AND RECORDS SHALL OCCUR PRIOR TO OR CONCURRENT WITH THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
4. ALL UTILITIES SHALL BE PROTECTED AND MAINTAINED AT ALL TIMES.
5. ALL UTILITIES SHALL BE PROTECTED AND MAINTAINED AT ALL TIMES.
6. ALL UTILITIES SHALL BE PROTECTED AND MAINTAINED AT ALL TIMES.
7. ALL UTILITIES SHALL BE PROTECTED AND MAINTAINED AT ALL TIMES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL GOVERNMENTS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL GOVERNMENTS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL GOVERNMENTS.
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16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL GOVERNMENTS.

APPROVAL REVIEW STAMPS

LOCATION MAP



FEMA MAP



FEMA STATEMENT

THIS PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD HAZARD AREA AND IS NOT IN THE 100 YEAR FLOOD HAZARD AREA. THE PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD HAZARD AREA AND IS NOT IN THE 100 YEAR FLOOD HAZARD AREA.

REQUIRED ENGINEERS' INSPECTION

AS PART OF THE GENERAL SUPERVISION OF THIS PROJECT, THE ENGINEER SHALL CONDUCT VISUAL INSPECTIONS OF THE PROJECT AT THE FOLLOWING STAGES: PRELIMINARY DESIGN, PERMITTING, CONSTRUCTION, AND FINAL INSPECTION. THE ENGINEER SHALL CONDUCT VISUAL INSPECTIONS OF THE PROJECT AT THE FOLLOWING STAGES: PRELIMINARY DESIGN, PERMITTING, CONSTRUCTION, AND FINAL INSPECTION.



24 HOUR CONTACT:
DAVID SCARBROUGH
TEL: 770-305-5414

PROJECT INFORMATION

FIRE STATION NO. 4
ADDRESS: 278 MELROY RD
FAYETTEVILLE, GA 30214
LAND LOT 139 OF THE 2ND DISTRICT, 5TH SECTION
FAYETTE COUNTY, GEORGIA

ZONING: R-40
TAX PARCEL NUMBER: 0533008
TOTAL AREA: 3.13 ACRES
DISTURBED AREA: 2.31 ACRES

OWNER:
NAME: FAYETTE COUNTY FIRE DEPARTMENT
ADDRESS: 140 STONEMAN AVENUE FAYETTEVILLE, GEORGIA 30214
CONTACT: DAVID SCARBROUGH
PHONE: (770)-305-5414

CLIENT/ARCHITECT:
NAME: K. A. OLDFHAM DESIGN, INC.
ADDRESS: 75 JACKSON STREET, SUITE 401 NEWMAN, GA 30263
CONTACT: KIP OLDFHAM
PHONE: (770)-683-9170

SHEET INDEX

SHEET DRAWING NAME	SHEET NAME	PLANT DATE	LAST REVISED
C-000	COVER SHEET	04/30/2018	05/29/2018
C-100	EXISTING CONDITIONS	04/30/2018	05/29/2018
C-200	SITE PLAN	04/30/2018	05/29/2018
C-201	VEHICLE TRACKING	05/29/2018	05/29/2018
C-300	UTILITY PLAN	04/30/2018	05/29/2018
C-301	UTILITY PLAN	05/29/2018	05/29/2018
C-400	GRADING & DRAINAGE PLAN	04/30/2018	05/29/2018
C-500	DETENTION POND PLAN, PROFILE & DETAILS	04/30/2018	05/29/2018
C-600	CONCRETE JOINT LAYOUT	04/30/2018	05/29/2018
C-700	SEPIC FIELD PLAN	04/30/2018	05/29/2018
C-800	PERF. DETENTION BASINS	04/30/2018	05/29/2018
C-900	EXISTING DEVELOPED BASINS	04/30/2018	05/29/2018
C-901	EXISTING DEVELOPED BASINS	04/30/2018	05/29/2018
C-902	EXISTING DEVELOPED BASINS	04/30/2018	05/29/2018
C-1000	CONSTRUCTION DETAILS	04/30/2018	05/29/2018
C-1001	CONSTRUCTION DETAILS	04/30/2018	05/29/2018
C-1002	CONSTRUCTION DETAILS	04/30/2018	05/29/2018
C-1003	CONSTRUCTION DETAILS	04/30/2018	05/29/2018
ER-000	EROSION CONTROL COVER	04/30/2018	05/29/2018
ER-100	EROSION CONTROL NOTES - INITIAL PHASE	04/30/2018	05/29/2018
ER-200	EROSION CONTROL PLAN - INITIAL PHASE	04/30/2018	05/29/2018
ER-300	EROSION CONTROL PLAN - INTERMEDIATE PHASE	04/30/2018	05/29/2018
ER-400	EROSION CONTROL PLAN - FINAL PHASE	04/30/2018	05/29/2018
ER-500	EROSION CONTROL DETAILS	04/30/2018	05/29/2018
ER-600	EROSION CONTROL DETAILS	04/30/2018	05/29/2018
ER-700	EROSION CONTROL DETAILS	04/30/2018	05/29/2018
ER-800	EROSION CONTROL DETAILS	04/30/2018	05/29/2018
ER-900	EROSION CONTROL DETAILS	04/30/2018	05/29/2018
ER-1000	EROSION CONTROL DETAILS	04/30/2018	05/29/2018

CROY ENGINEERING
Engineers
Planners
Surveyors

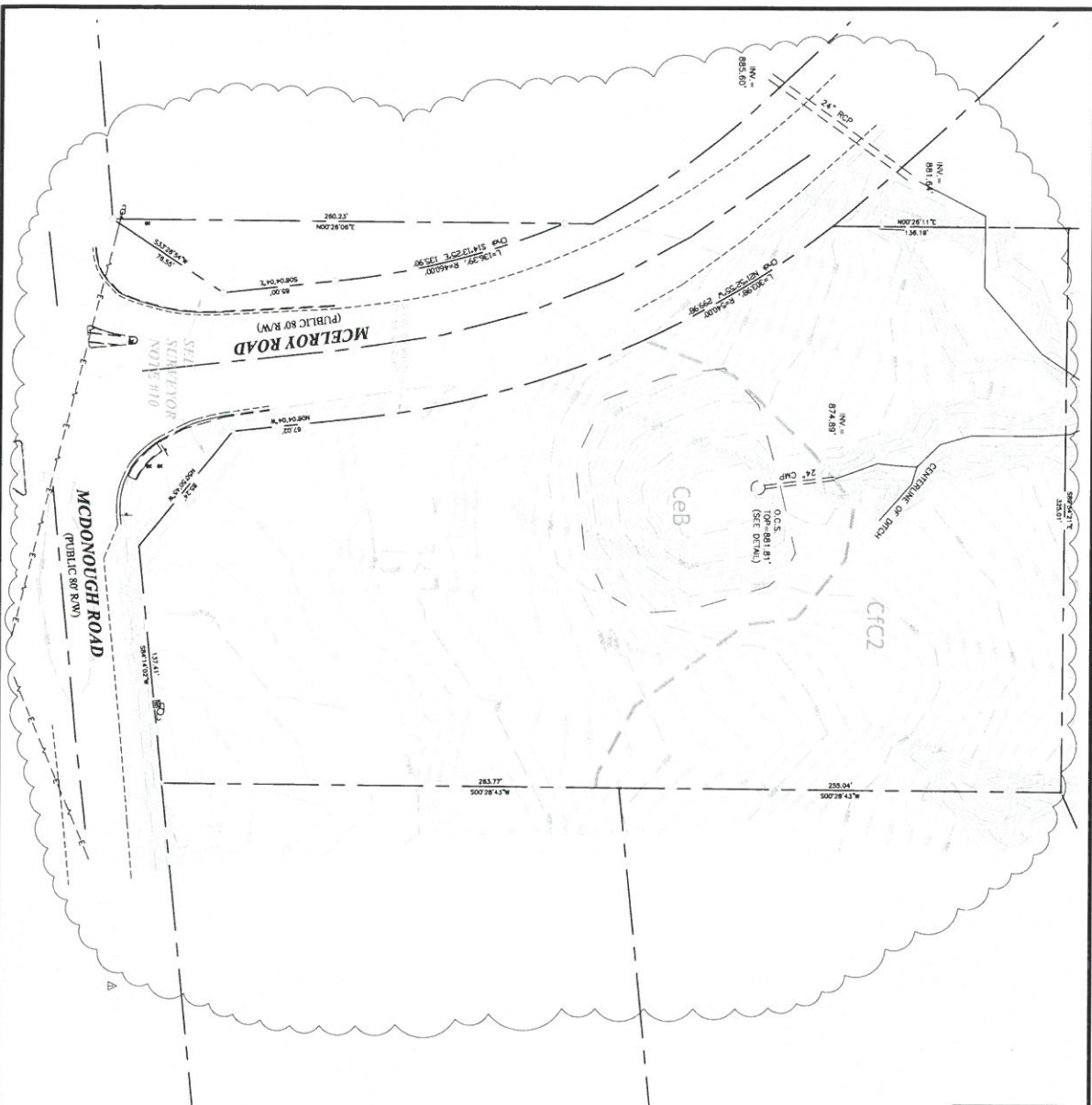
200 NORTH COBB PARKWAY, 3RD. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

FIRE STATION NO. 4
DESIGN PHASE
LAND LOT(S) 139
OF THE 2ND DISTRICT, 5TH SECTION
FAYETTE COUNTY, GEORGIA



C-000
SHEET 1 OF 25

DATE: 04/30/2018
SCALE: AS SHOWN
DRAWN BY: AS SHOWN
CHECKED BY: AS SHOWN
DATE: 04/30/2018



LEGEND

ADJ. BOUNDARY	---
BUILDING	▭
WELL	○
UTILITY LINE	---
PROP. LINE	---
CONV. LINE	---
STAKE	+
IRON PIPE	⊕
WOOD PIPE	⊗
CONCRETE	⊙
STEEL	⊚
BRASS	⊛
ALUMINUM	⊜
COPPER	⊝
ZINC	⊞
LEAD	⊠
SILVER	⊡
PLATINUM	⊣
GOLD	⊤
DIAMOND	◆
OTHER	◇

SURVEYOR'S NOTES

1. THIS SURVEY WAS MADE FOR THE CITY OF FAYETTE COUNTY, GEORGIA, AND IS SUBJECT TO ALL RECORDS AND INSTRUMENTS OF RECORD IN THE PUBLIC RECORDS OF FAYETTE COUNTY, GEORGIA, AND THE STATE OF GEORGIA.
2. THE SURVEY WAS MADE IN ACCORDANCE WITH THE SURVEYING ACT OF 1909, AS AMENDED, AND THE SURVEYING REGULATIONS OF THE BOARD OF SURVEYING AND MAPPING OF FAYETTE COUNTY, GEORGIA.
3. THE SURVEY WAS MADE BY THE SURVEYOR, AND THE SURVEYOR IS NOT RESPONSIBLE FOR THE ACCURACY OF THE SURVEY.
4. THE SURVEYOR HAS REVIEWED THE RECORDS AND INSTRUMENTS OF RECORD IN THE PUBLIC RECORDS OF FAYETTE COUNTY, GEORGIA, AND THE STATE OF GEORGIA, AND HAS FOUND NO CONFLICTS WITH THIS SURVEY.
5. THE SURVEYOR HAS REVIEWED THE RECORDS AND INSTRUMENTS OF RECORD IN THE PUBLIC RECORDS OF FAYETTE COUNTY, GEORGIA, AND THE STATE OF GEORGIA, AND HAS FOUND NO CONFLICTS WITH THIS SURVEY.
6. THE SURVEYOR HAS REVIEWED THE RECORDS AND INSTRUMENTS OF RECORD IN THE PUBLIC RECORDS OF FAYETTE COUNTY, GEORGIA, AND THE STATE OF GEORGIA, AND HAS FOUND NO CONFLICTS WITH THIS SURVEY.
7. THE SURVEYOR HAS REVIEWED THE RECORDS AND INSTRUMENTS OF RECORD IN THE PUBLIC RECORDS OF FAYETTE COUNTY, GEORGIA, AND THE STATE OF GEORGIA, AND HAS FOUND NO CONFLICTS WITH THIS SURVEY.
8. THE SURVEYOR HAS REVIEWED THE RECORDS AND INSTRUMENTS OF RECORD IN THE PUBLIC RECORDS OF FAYETTE COUNTY, GEORGIA, AND THE STATE OF GEORGIA, AND HAS FOUND NO CONFLICTS WITH THIS SURVEY.
9. THE SURVEYOR HAS REVIEWED THE RECORDS AND INSTRUMENTS OF RECORD IN THE PUBLIC RECORDS OF FAYETTE COUNTY, GEORGIA, AND THE STATE OF GEORGIA, AND HAS FOUND NO CONFLICTS WITH THIS SURVEY.
10. THE SURVEYOR HAS REVIEWED THE RECORDS AND INSTRUMENTS OF RECORD IN THE PUBLIC RECORDS OF FAYETTE COUNTY, GEORGIA, AND THE STATE OF GEORGIA, AND HAS FOUND NO CONFLICTS WITH THIS SURVEY.

24 HOUR CONTACT:
DAVID SCARBROUGH
 TEL: 770-305-5414

GEORGIA
 Professional Engineer
 License No. 12345

SCALE IN FEET

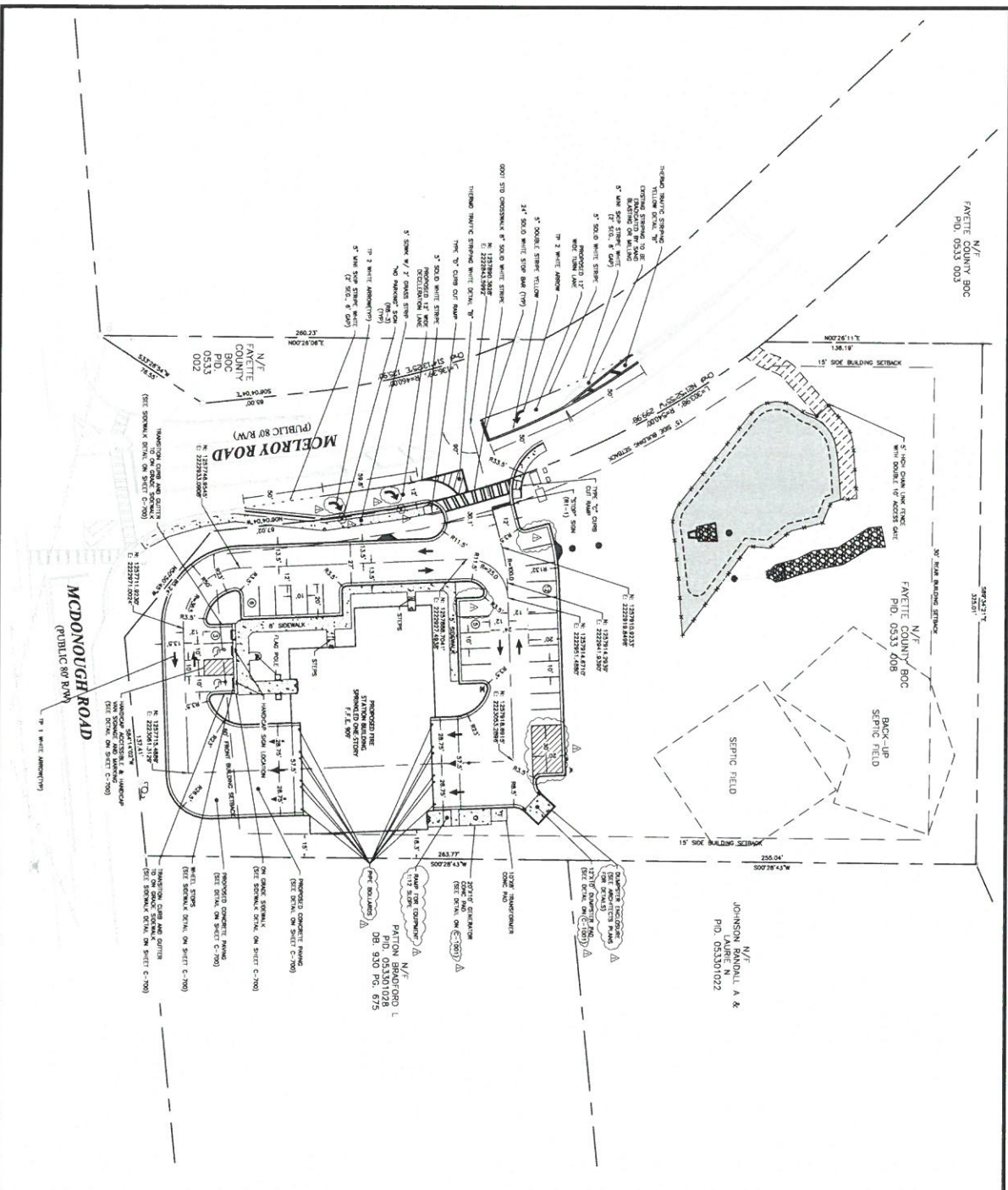
FIRE STATION NO. 4

DESIGN PHASE

LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA

CROY ENGINEERING
 Engineers
 Planners
 Surveyors

200 NORTH COBB PARKWAY, 3RD. 400, SUITE 413
 MARIETTA, GA 30062
 P-ONE: (770) 971-5407 FAX: (770) 971-6620



N/F
FAYETTE COUNTY BOC
PID. 0533 003

N/F
FAYETTE COUNTY BOC
PID. 0533 408

N/F
JOHNSON SANDALL &
LAURE N
PID. 053301022

SITE PLAN NOTES

1. THE SITE CONTAINS EXISTING UTILITIES AND SERVICES. THE ENGINEER HAS REVIEWED THE RECORD DRAWINGS AND FIELD SURVEY DATA TO IDENTIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES AND SERVICES. THE ENGINEER HAS NOT INVESTIGATED THE EXACT LOCATION AND DEPTH OF EXISTING UTILITIES AND SERVICES. THE ENGINEER HAS NOT INVESTIGATED THE EXACT LOCATION AND DEPTH OF EXISTING UTILITIES AND SERVICES.

SITE DATA

1. OWNER: FAYETTE COUNTY FIRE DEPARTMENT
2. TOTAL AREA: 2.15 ACRES
3. CONCRETE: 72,818 YD³

PARKING DATA

CONCRETE SPACES	24
ASPHALT SPACES	28
TOTAL SPACES	52

LEGEND

PROPERTY AND EXISTING R/W LINE
LAND LOT LINE
PARKING SPACE COUNT
BUILDING SETBACK LINE
FENCE
ACCESS EASEMENT
CONCRETE



24 HOUR CONTACT:
DAVID SCARBROUGH
TEL: 770-305-5414



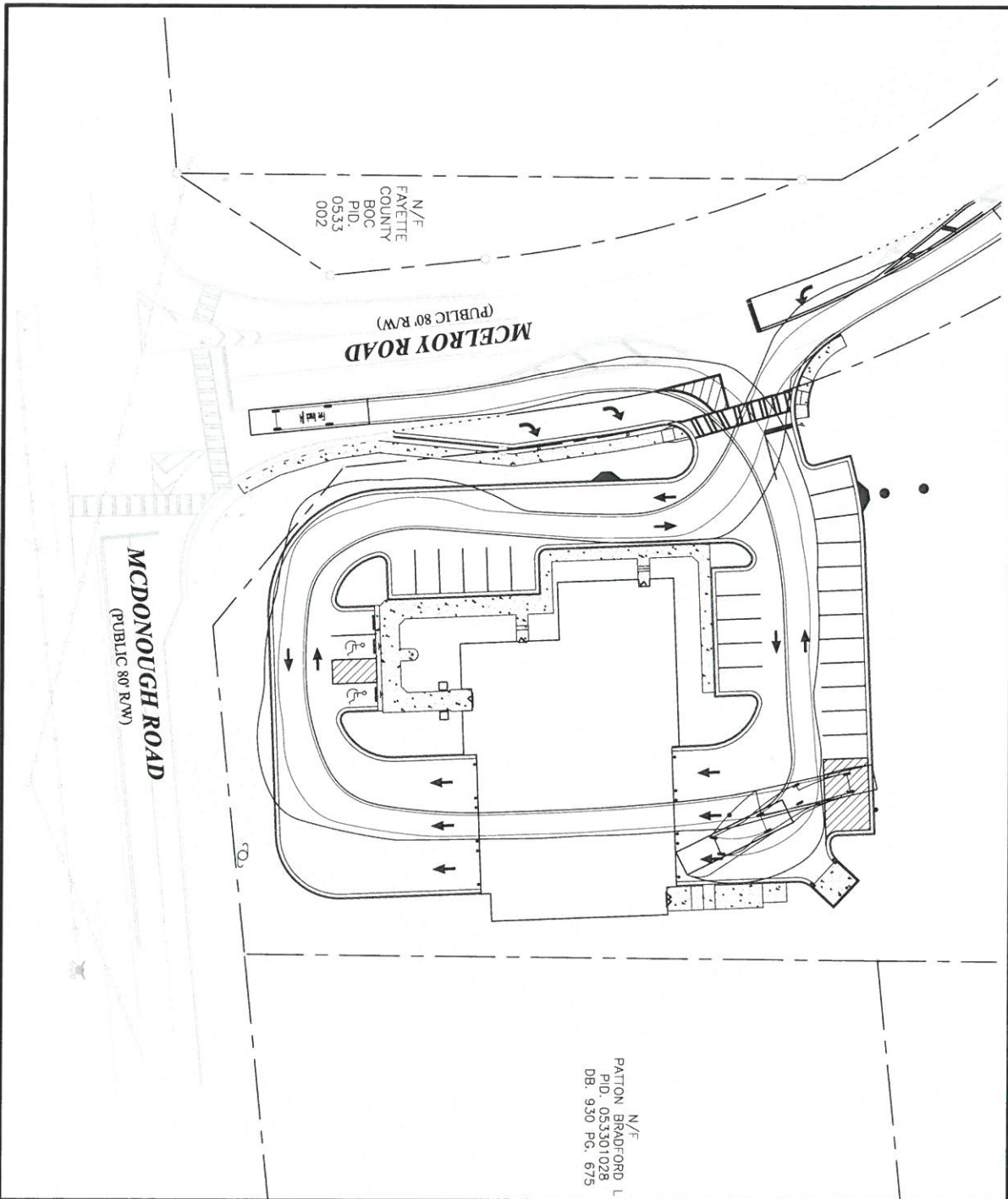
CROY ENGINEERING Engineers Planners Surveyors
200 NORTH COBB PARKWAY, 9.00. 400, SUITE 413
MARIETTA, GA 30067
PHONE: (770) 971-5407 FAX: (770) 971-0620

FIRE STATION NO. 4
DESIGN PHASE
LAND LOT(S) 139
OF THE 2ND DISTRICT, 5TH SECTION
FAYETTE COUNTY, GEORGIA



DATE	NO. 1	REVISION	DATE

SHEET TITLE: SITE PLAN
DRAWN BY: SMH
CHECKED BY: JCC
SCALE: 1"=30'
DATE: 04/20/2018
PROJECT NUMBER: 1788.000
DRAWING NUMBER: C-200
SHEET 3 OF 25



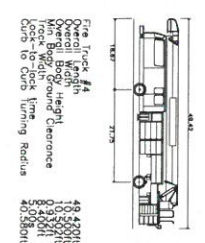
N/F
FAYETTE
COUNTY
BOC
P.D.
0533
002

MCELROY ROAD
(PUBLIC 80' R/W)

MCDONOUGH ROAD
(PUBLIC 80' R/W)

N/F
PATTON BRADFORD L
P.D. 053301028
DB. 930 PG. 675

VEHICLE TRACKING



LEGEND
PROPERTY AND EXISTING R/W LINE
TIE LINE
OVERHANG LINE
CONCRETE



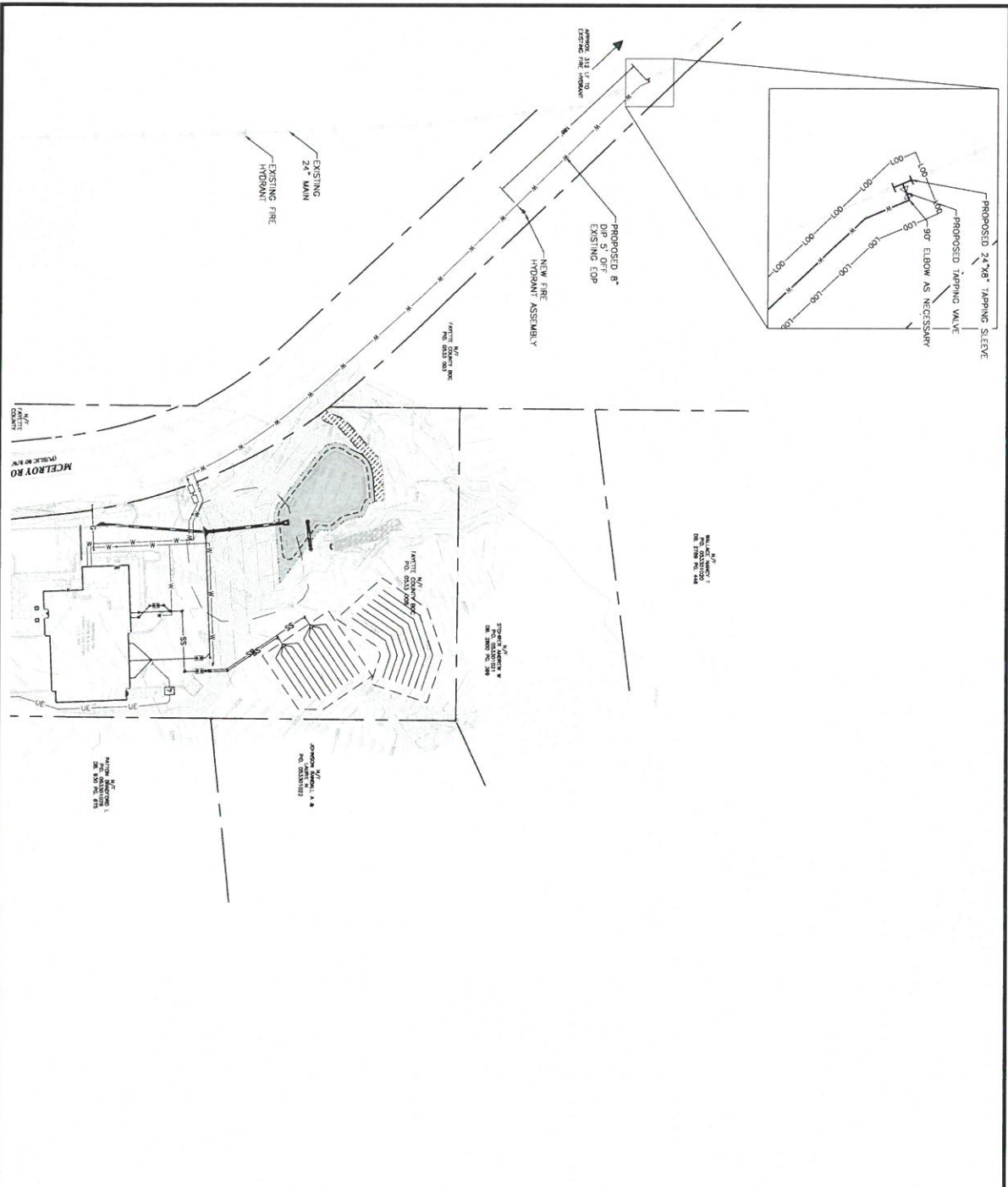
24 HOUR CONTACT:
DAVID SCARBROUGH
TEL: 770-505-5414



CROY ENGINEERING Engineers Planners Surveyors
200 NORTH COBB PARKWAY, 3.DG. 400, SUITE 415
MARICITA, GA 30082
PHONE: (770) 971-5407 FAX: (770) 971-0620

FIRE STATION NO. 4
DESIGN PHASE
LAND LOT(S) 139
OF THE 2ND DISTRICT, 5TH SECTION
FAYETTE COUNTY, GEORGIA

C-201A SHEET 4 OF 25
DATE: 05/29/2018
SCALE: 1"=20'
DRAWN BY: SMH
CHECKED BY: LCC
DESIGNED BY: LCC
DATE: 05/29/2018
PROJECT: FIRE STATION NO. 4



24 HOUR CONTACT:
DAVID SCARBROUGH
 TEL: 770-305-5414

SCALE IN FEET

GEORGIAN
 Utility Professionals
 (800) 666-6666

LEGEND

EXISTING UTILITIES

- EX WATER LINE
- EX FIRE HYDRANT
- EX WATER METER
- EX WATER VALVE
- EX SANITARY SEWER
- EX SS MANHOLE
- EX WATER VALVE
- EX UTIL POLE

PROPOSED UTILITIES

- PROP. WATER LINE
- PROP. FIRE HYDRANT
- PROP. WATER METER
- PROP. TAPPING VALVE
- PROP. FOC
- PROP. SANITARY SEWER
- PROP. SS MANHOLE
- PROP. SS CLEANOUT
- PROP. UTIL POLE
- PROP. UG ELEC. LINE
- PROP. GAS SERVICE LINE

C-301
 SHEET 5 OF 23

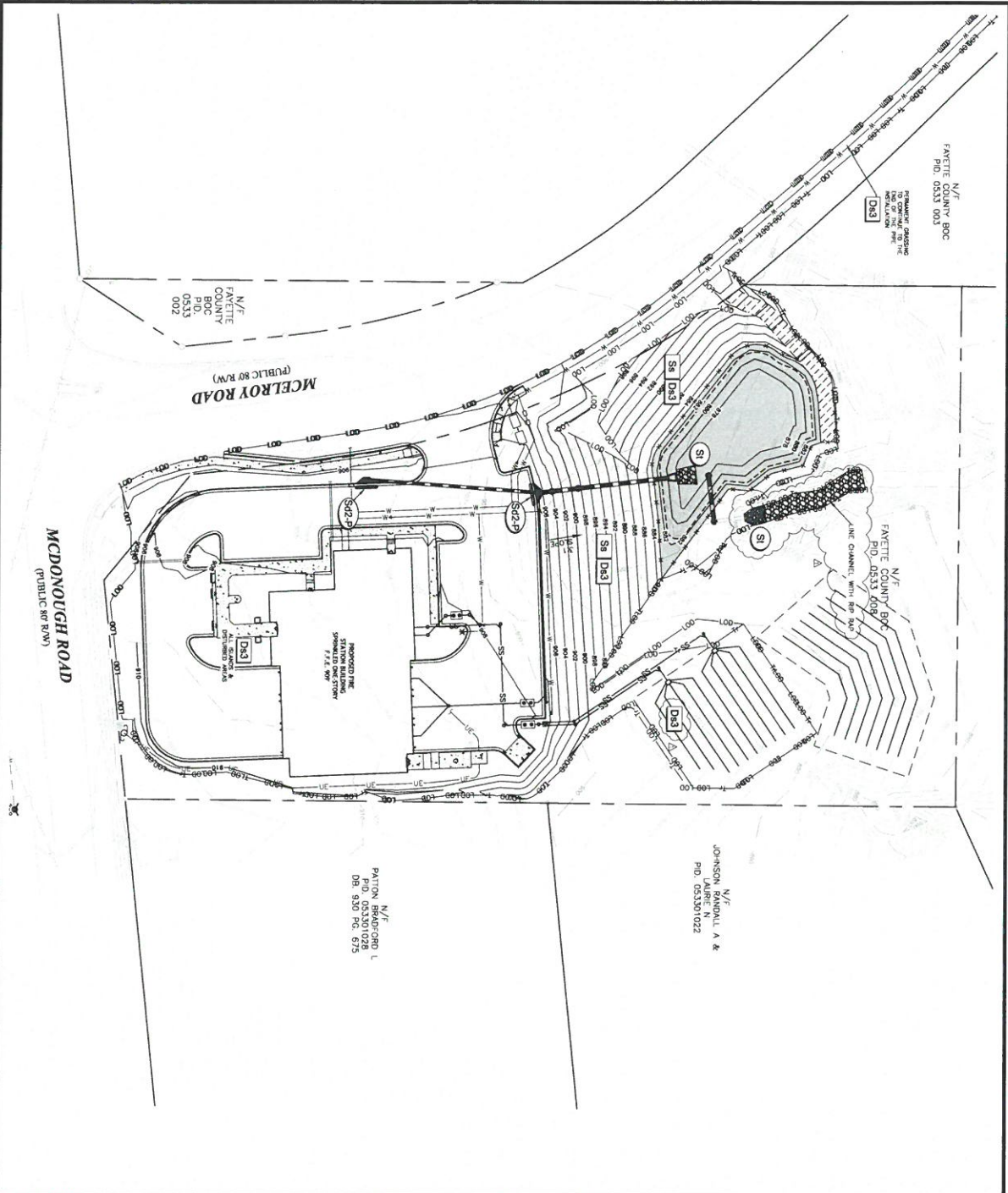
FIRE STATION NO. 4

DESIGN PHASE

LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA

CROY ENGINEERING
 Engineers
 Planners
 Surveyors

200 NORTH COBB PARKWAY, 3RD. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620



EROSION CONTROL NOTES

1. THE LOCATION OF EROSION CONTROL MEASURES SHALL BE AS SHOWN ON THIS PLAN. THE LOCATION OF EROSION CONTROL MEASURES SHALL BE AS SHOWN ON THIS PLAN. THE LOCATION OF EROSION CONTROL MEASURES SHALL BE AS SHOWN ON THIS PLAN.

FINAL PHASE NARRATIVE:

ONCE THE CHANGING IS COMPLETE, ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF APPROPRIATELY. THE EROSION CONTROL MEASURES SHALL BE MAINTAINED AND MONITORED THROUGHOUT THE CONSTRUCTION PERIOD. THE EROSION CONTROL MEASURES SHALL BE MAINTAINED AND MONITORED THROUGHOUT THE CONSTRUCTION PERIOD.

STRUCTURAL BMP LEGEND

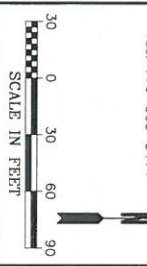
- S2-2 POND
- S1 STORM DRAIN ORIENT PROTECTION

VEGETATIVE BMP LEGEND

- D3 STRIP VEGETATION
- S8 HYDROSEEDING & MULCH



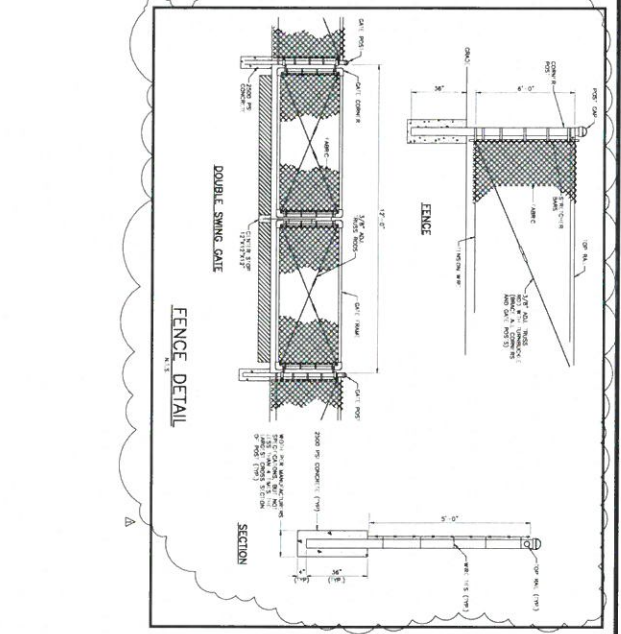
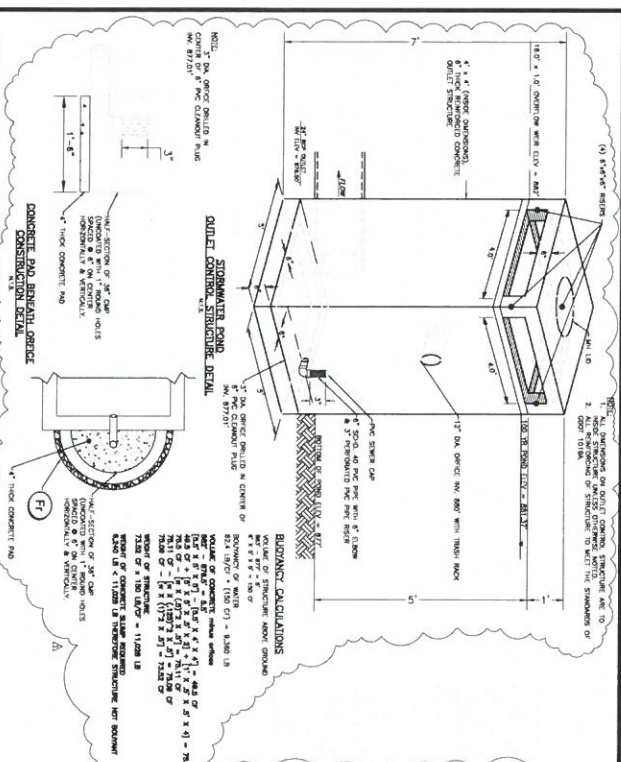
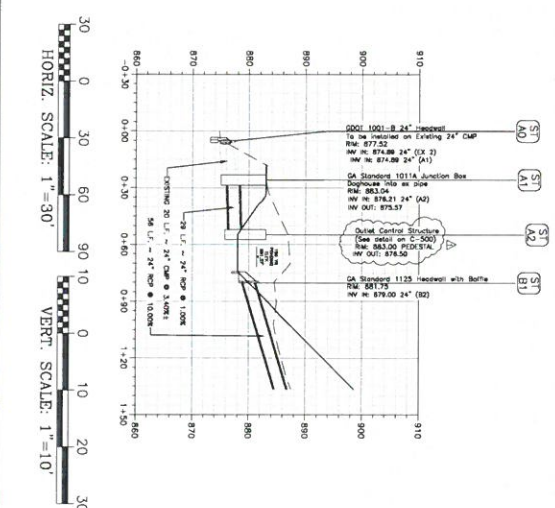
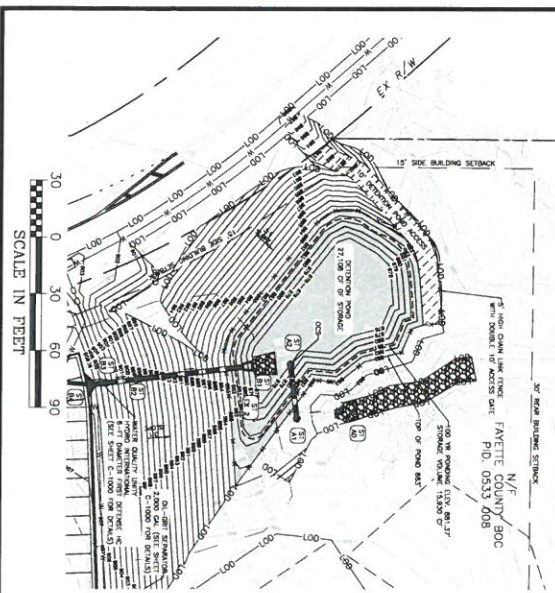
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MARIETTA, GA 30067
PHONE: (770) 971-5407 FAX: (770) 971-0620

FIRE STATION NO. 4
DESIGN PHASE
LAND LOT(S) 139
OF THE 2ND DISTRICT, 5TH SECTION
FAYETTE COUNTY, GEORGIA

ER-400
SHEET 23 OF 25
DATE: 04/20/2018
SCALE: 1"=30'
PROJECT NUMBER: 1789.000
DRAWN BY: SMH
CHECKED BY: ECC
DESIGNED BY: ECC
GSMCC CERT #2973



GRADING AND PAVING NOTES

1. INSURE AND SECURE CONSTRUCTION AREAS AND PAVED AREAS TO PREVENT ANY UNDESIRABLE ACTIVITIES.
2. ALL GRADING SHALL BE ACCORDING TO THE GRADING PLAN AND SHALL BE ACCORDING TO THE GRADING PLAN AND SHALL BE ACCORDING TO THE GRADING PLAN.
3. ALL PAVING SHALL BE ACCORDING TO THE PAVING PLAN AND SHALL BE ACCORDING TO THE PAVING PLAN.
4. ALL CURBS SHALL BE ACCORDING TO THE CURB PLAN AND SHALL BE ACCORDING TO THE CURB PLAN.
5. ALL SLOPES SHALL BE ACCORDING TO THE SLOPE PLAN AND SHALL BE ACCORDING TO THE SLOPE PLAN.
6. ALL EROSION CONTROL MEASURES SHALL BE ACCORDING TO THE EROSION CONTROL PLAN AND SHALL BE ACCORDING TO THE EROSION CONTROL PLAN.
7. ALL DRAINAGE SYSTEMS SHALL BE ACCORDING TO THE DRAINAGE PLAN AND SHALL BE ACCORDING TO THE DRAINAGE PLAN.
8. ALL UTILITIES SHALL BE ACCORDING TO THE UTILITIES PLAN AND SHALL BE ACCORDING TO THE UTILITIES PLAN.
9. ALL CONSTRUCTION SHALL BE ACCORDING TO THE CONSTRUCTION PLAN AND SHALL BE ACCORDING TO THE CONSTRUCTION PLAN.
10. THE GRADIENT OF THE PAVING SHALL BE ACCORDING TO THE PAVING PLAN AND SHALL BE ACCORDING TO THE PAVING PLAN.
11. THE GRADIENT OF THE CURB SHALL BE ACCORDING TO THE CURB PLAN AND SHALL BE ACCORDING TO THE CURB PLAN.
12. THE GRADIENT OF THE SLOPE SHALL BE ACCORDING TO THE SLOPE PLAN AND SHALL BE ACCORDING TO THE SLOPE PLAN.
13. THE GRADIENT OF THE EROSION CONTROL SHALL BE ACCORDING TO THE EROSION CONTROL PLAN AND SHALL BE ACCORDING TO THE EROSION CONTROL PLAN.
14. THE GRADIENT OF THE DRAINAGE SHALL BE ACCORDING TO THE DRAINAGE PLAN AND SHALL BE ACCORDING TO THE DRAINAGE PLAN.
15. THE GRADIENT OF THE UTILITIES SHALL BE ACCORDING TO THE UTILITIES PLAN AND SHALL BE ACCORDING TO THE UTILITIES PLAN.
16. THE GRADIENT OF THE CONSTRUCTION SHALL BE ACCORDING TO THE CONSTRUCTION PLAN AND SHALL BE ACCORDING TO THE CONSTRUCTION PLAN.

LEGEND

PROPERTY AND EXISTING R/W LINE

LAND LOT LINE

BUILDING SETBACK LINE

FENCE

LANDS OF DISTURBANCE

POUND

PROPO

FEMA STATEMENT

THIS PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD ZONING AREA AND IS NOT IN A 100 YEAR FLOOD ZONING AREA. THE PROPERTY IS NOT IN A 100 YEAR FLOOD ZONING AREA AND IS NOT IN A 100 YEAR FLOOD ZONING AREA.

24 HOUR CONTACT:
DAVID SCARBROUGH
TEL: 770-305-5414

GEORGE
Civil Engineering
1111 Peachtree Street, N.E.
Atlanta, Georgia 30309

SOFT TITLE
DETENTION POND
PLAN, PROFILE &
DETAILS

SCALE: SHEET 04/20/2018
1/28/2008
C-500
SHEET 8 OF 25

LEGEND

PROPERTY AND EXISTING R/W LINE

LAND LOT LINE

BUILDING SETBACK LINE

FENCE

LANDS OF DISTURBANCE

POUND

PROPO

FEMA STATEMENT

THIS PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD ZONING AREA AND IS NOT IN A 100 YEAR FLOOD ZONING AREA. THE PROPERTY IS NOT IN A 100 YEAR FLOOD ZONING AREA AND IS NOT IN A 100 YEAR FLOOD ZONING AREA.

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Atlanta, Georgia 30309

SOFT TITLE
DETENTION POND
PLAN, PROFILE &
DETAILS

SCALE: SHEET 04/20/2018
1/28/2008
C-500
SHEET 8 OF 25

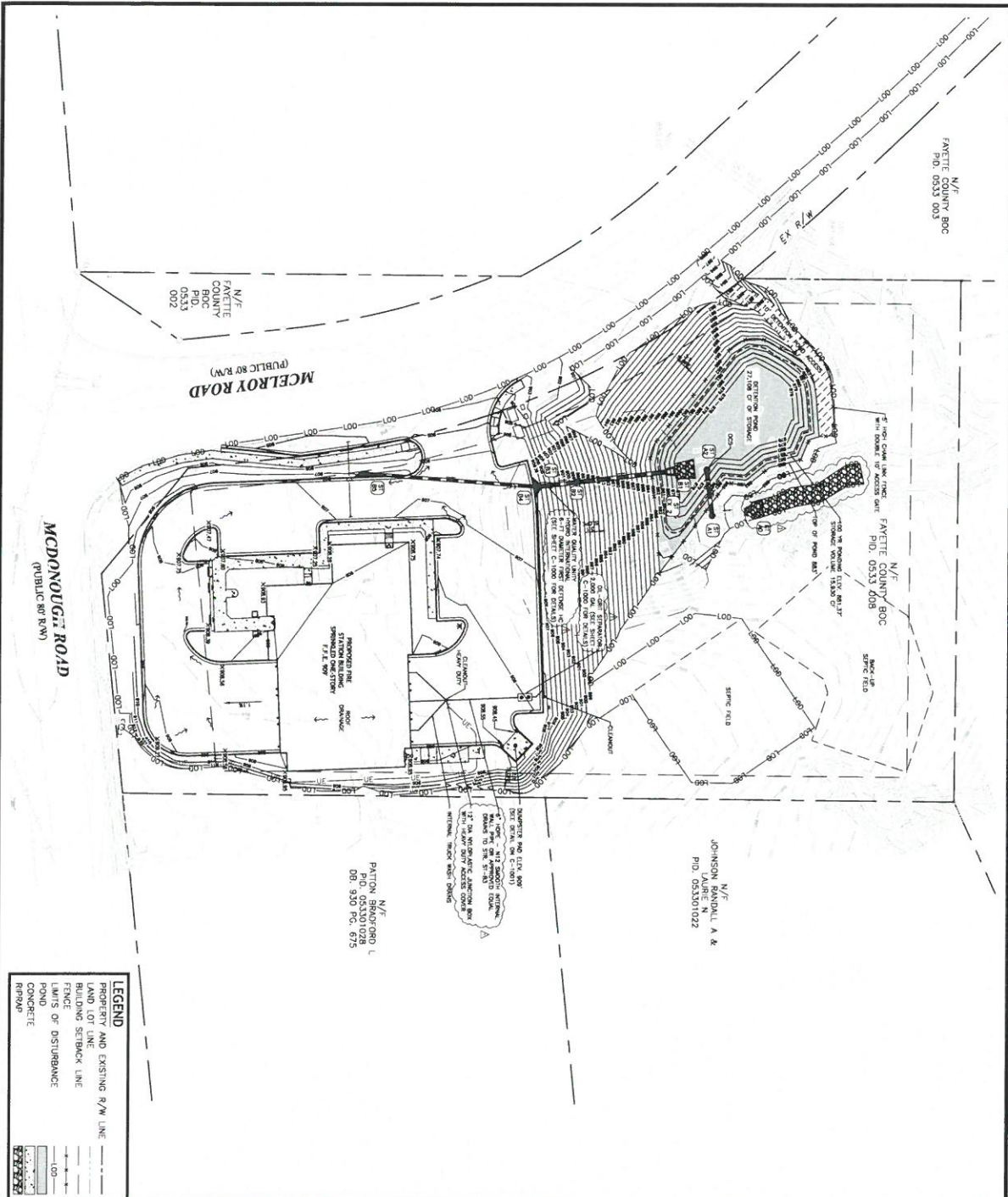
FIRE STATION NO. 4

DESIGN PHASE

LAND LOT(S) 139
OF THE 2ND DISTRICT, 5TH SECTION
FAYETTE COUNTY, GEORGIA

CROY ENGINEERING
Engineers
Planners
Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620



GRADING AND PAVING NOTES

1. UNDER AND ABOVE CURBS SHALL BE AS SHOWN AND NOTED TO ANY LAND DISTURBANCE.
2. ALL GRADING SHALL BE TO FINISH GRADE UNLESS NOTED OTHERWISE.
3. ALL PAVING SHALL BE TO FINISH GRADE UNLESS NOTED OTHERWISE.
4. ALL PAVING SHALL BE TO FINISH GRADE UNLESS NOTED OTHERWISE.
5. ALL PAVING SHALL BE TO FINISH GRADE UNLESS NOTED OTHERWISE.
6. ALL PAVING SHALL BE TO FINISH GRADE UNLESS NOTED OTHERWISE.
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10. ALL PAVING SHALL BE TO FINISH GRADE UNLESS NOTED OTHERWISE.
11. ALL PAVING SHALL BE TO FINISH GRADE UNLESS NOTED OTHERWISE.

LEGEND

PROPERTY AND EXISTING R/W LINE
 LAND LOT LINE
 BUILDING SETBACK LINE
 FENCE
 LIMITS OF DISTURBANCE
 CONDO
 CONCRETE
 ROPAP

24 HOUR CONTACT:
 DAVID SCARBROUGH
 TEL: 770-305-5414

SCALE IN FEET

0 30 60 90

FIRE STATION NO. 4

DESIGN PHASE

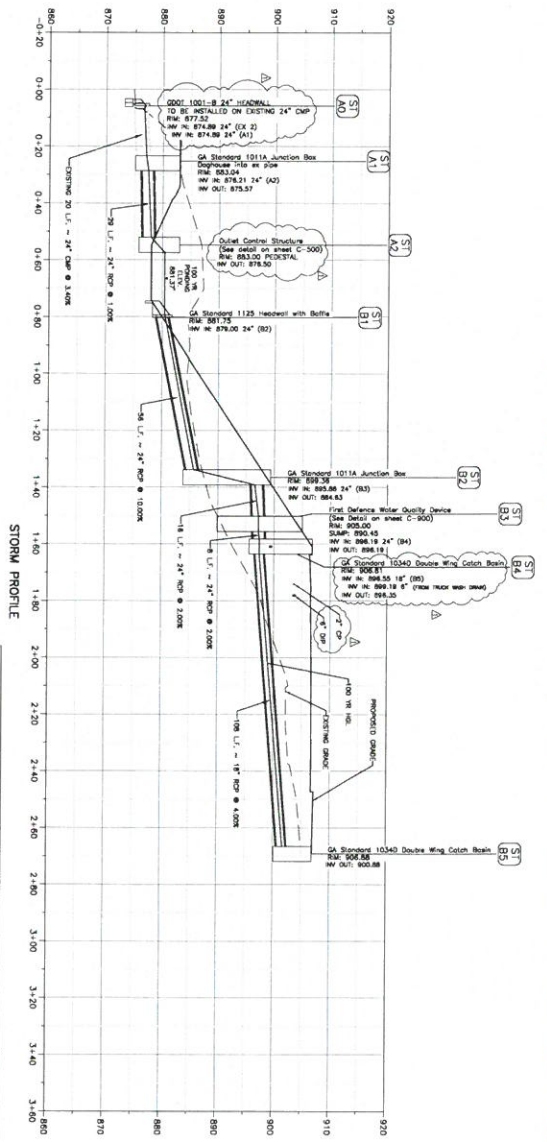
LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA

GEORGIAM81
 Geotechnical Engineering
 1000 Peachtree Street, N.E.
 Atlanta, Georgia 30309
 TEL: 404-525-8800

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 200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
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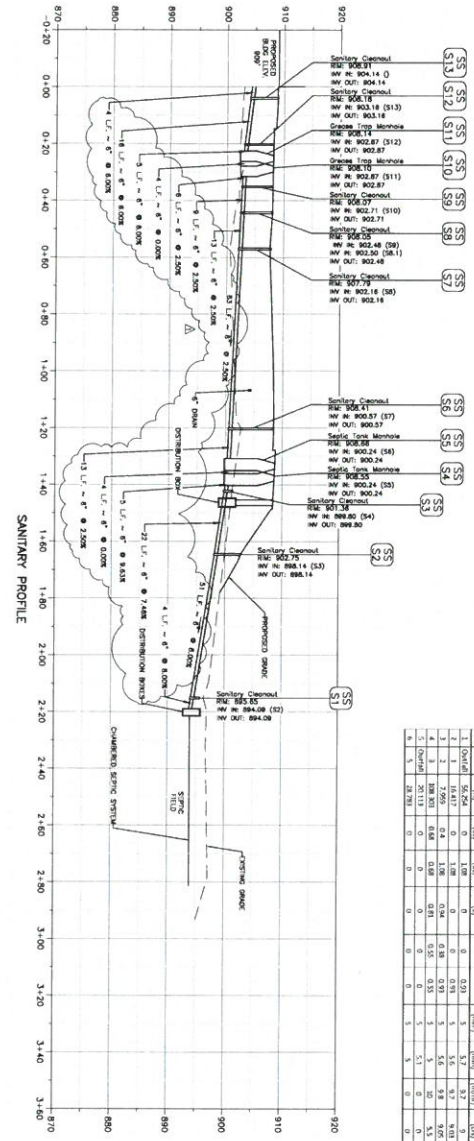
GEORGIAM81

C-400
 SHEET 7 OF 25



100 YEAR PIPE CHART

Station	Flow (cfs)	Velocity (ft/s)	Depth (ft)	Time (min)	Volume (cu ft)
0+00	0.00	0.00	0.00	0.00	0.00
0+20	0.00	0.00	0.00	0.00	0.00
0+40	0.00	0.00	0.00	0.00	0.00
0+60	0.00	0.00	0.00	0.00	0.00
0+80	0.00	0.00	0.00	0.00	0.00
1+00	0.00	0.00	0.00	0.00	0.00
1+20	0.00	0.00	0.00	0.00	0.00
1+40	0.00	0.00	0.00	0.00	0.00
1+60	0.00	0.00	0.00	0.00	0.00
1+80	0.00	0.00	0.00	0.00	0.00
2+00	0.00	0.00	0.00	0.00	0.00
2+20	0.00	0.00	0.00	0.00	0.00
2+40	0.00	0.00	0.00	0.00	0.00
2+60	0.00	0.00	0.00	0.00	0.00
2+80	0.00	0.00	0.00	0.00	0.00
3+00	0.00	0.00	0.00	0.00	0.00
3+20	0.00	0.00	0.00	0.00	0.00
3+40	0.00	0.00	0.00	0.00	0.00
3+60	0.00	0.00	0.00	0.00	0.00



100 YEAR PIPE CHART

Station	Flow (cfs)	Velocity (ft/s)	Depth (ft)	Time (min)	Volume (cu ft)
0+00	0.00	0.00	0.00	0.00	0.00
0+20	0.00	0.00	0.00	0.00	0.00
0+40	0.00	0.00	0.00	0.00	0.00
0+60	0.00	0.00	0.00	0.00	0.00
0+80	0.00	0.00	0.00	0.00	0.00
1+00	0.00	0.00	0.00	0.00	0.00
1+20	0.00	0.00	0.00	0.00	0.00
1+40	0.00	0.00	0.00	0.00	0.00
1+60	0.00	0.00	0.00	0.00	0.00
1+80	0.00	0.00	0.00	0.00	0.00
2+00	0.00	0.00	0.00	0.00	0.00
2+20	0.00	0.00	0.00	0.00	0.00
2+40	0.00	0.00	0.00	0.00	0.00
2+60	0.00	0.00	0.00	0.00	0.00
2+80	0.00	0.00	0.00	0.00	0.00
3+00	0.00	0.00	0.00	0.00	0.00
3+20	0.00	0.00	0.00	0.00	0.00
3+40	0.00	0.00	0.00	0.00	0.00
3+60	0.00	0.00	0.00	0.00	0.00

VERT. SCALE: 1"=10'

HORIZ. SCALE: 1"=20'

24 HOUR CONTACT:
DAVID SCARBROUGH
TEL: 770-305-5414

C-600
 SHEET 9 of 25

PROFILES

DATE: 04/30/2018
 DESIGNED BY: LCC
 CHECKED BY: SMH
 SCALE: AS SHOWN

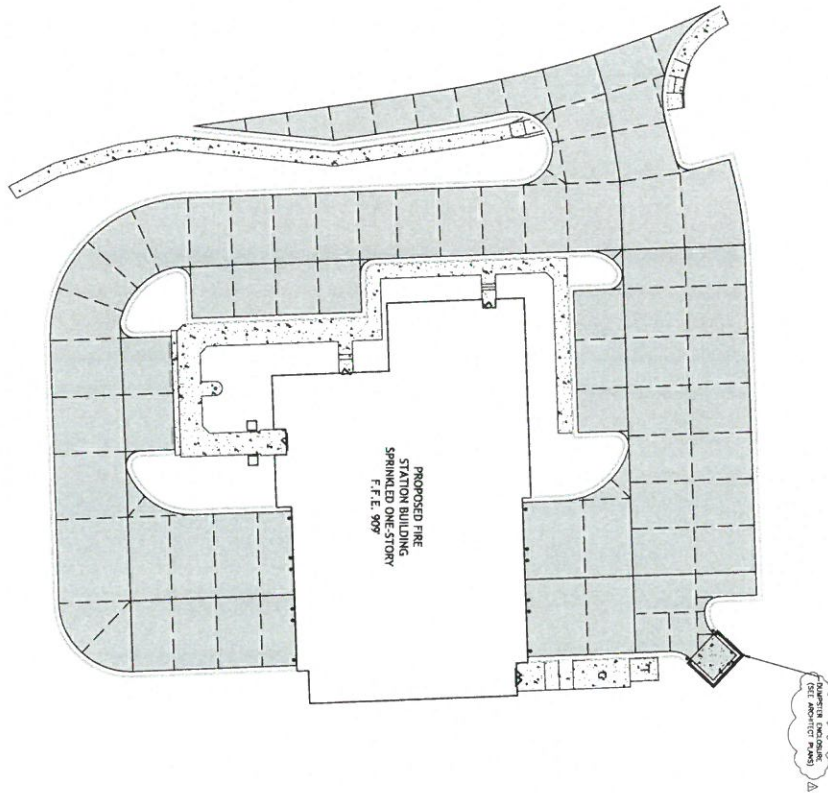
FIRE STATION NO. 4

DESIGN PHASE

LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA

CROY ENGINEERING
 Engineers
 Planners
 Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 415
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620



Aspirator Enclosure
(See Architect Plans)

CONCRETE PAVING NOTES

1. SET SLOTTED CURB FOR DRIVE.
2. CONSTRUCTION IS TO BE DONE AND CLOSED FOR APPROVAL. ALL MATERIAL FOR CONCRETE DRIVE, CURB AND DRIVE FOR APPROVAL. ALL MATERIAL FOR CONCRETE DRIVE, CURB AND DRIVE FOR APPROVAL. ALL MATERIAL FOR CONCRETE DRIVE, CURB AND DRIVE FOR APPROVAL.

LEGEND

- CONCRETE
- CONCRETE PAVING
- CONTRACTION JOINT
- EXPANSION JOINT

FOR CONTRACTOR'S INFORMATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.



24 HOUR CONTACT:
DAVID SCARBROUGH
TEL: 770-305-5414

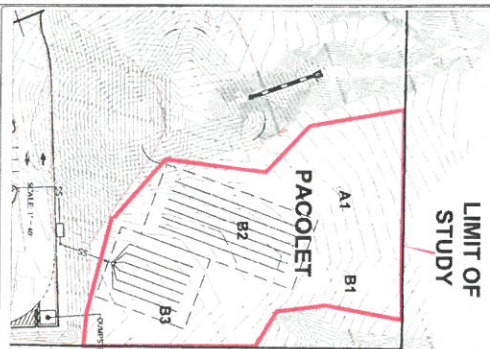


CROY ENGINEERING Engineers Planners Surveyors
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PHONE: (770) 971-5407 FAX: (770) 971-0620

FIRE STATION NO. 4
DESIGN PHASE
LAND LOT(S) 139
OF THE 2ND DISTRICT, 5TH SECTION
FAYETTE COUNTY, GEORGIA



SHEET TITLE
CONCRETE JOINT LAYOUT
DRAWN BY: SMH
SCALE: 1"=20'
DATE: 04/20/2018
PROJECT NUMBER: 17861-002
C-700
SHEET 10 OF 25



SOIL INTERPRETIVE DATA

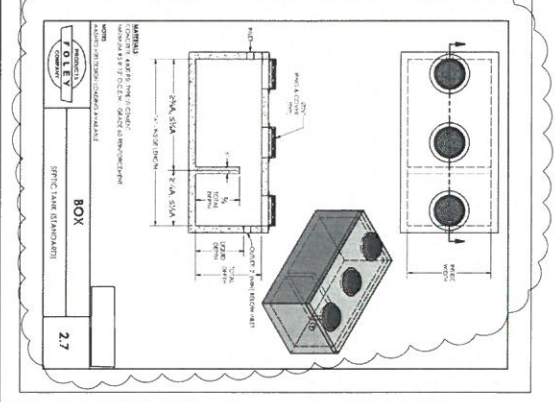
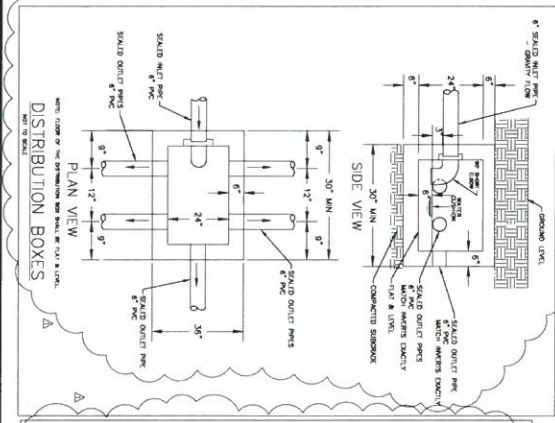
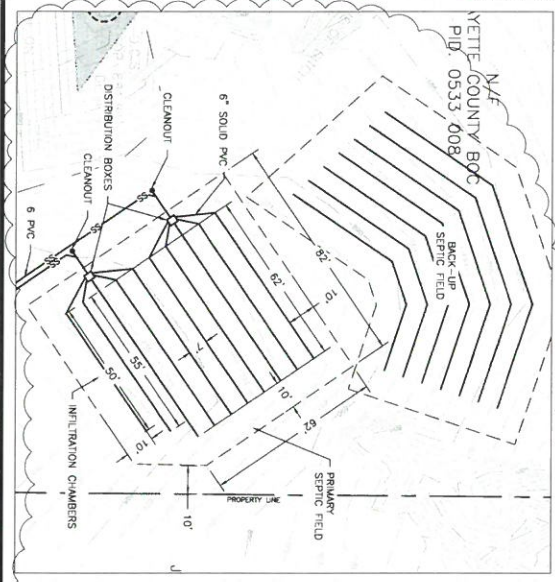
Soil Name	Depth to Substrate (ft)	Moisture (%)	Plasticity (pI)	Soil Color	Texture (USDA)	Soil Type (USDA)	Soil Group (USDA)	Soil Code (USDA)
A1	172	171	2-8	3-4-8	60	—	—	A1

SOIL SUITABILITY CODE LEGEND

A1: Sites are typically suitable for conventional distribution feed with proper design, installation and maintenance.

NOTES:

1. Distribution systems shall be designed and installed in accordance with the design and installation criteria set forth in the design manual. The design manual shall be available to the contractor for review and use on the construction site. The design manual shall be available to the contractor for review and use on the construction site. The design manual shall be available to the contractor for review and use on the construction site.



CALCULATIONS

The project is located at the northeast corner of McDevitt Road and Mabrey Rd in Lot 1 and Lot 2 of the 5th District.

Flow Station No. 4

- 1. Flow and Accumulation rate: 300 gpd
- 2. Flow rate: 300 gpd
- 3. Flow rate: 300 gpd
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- 97. Flow rate: 300 gpd
- 98. Flow rate: 300 gpd
- 99. Flow rate: 300 gpd
- 100. Flow rate: 300 gpd

24 HOUR CONTACT:
 DAVID SCARBROUGH
 TEL: 770-305-5414

SCALE IN FEET

0 20 40 60

GEORGIA
 PROFESSIONAL ENGINEERING

ERIC B. MANNING
 License No. 10000

24 HOUR CONTACT:
 DAVID SCARBROUGH
 TEL: 770-305-5414

SCALE IN FEET

0 20 40 60

FIRE STATION NO. 4

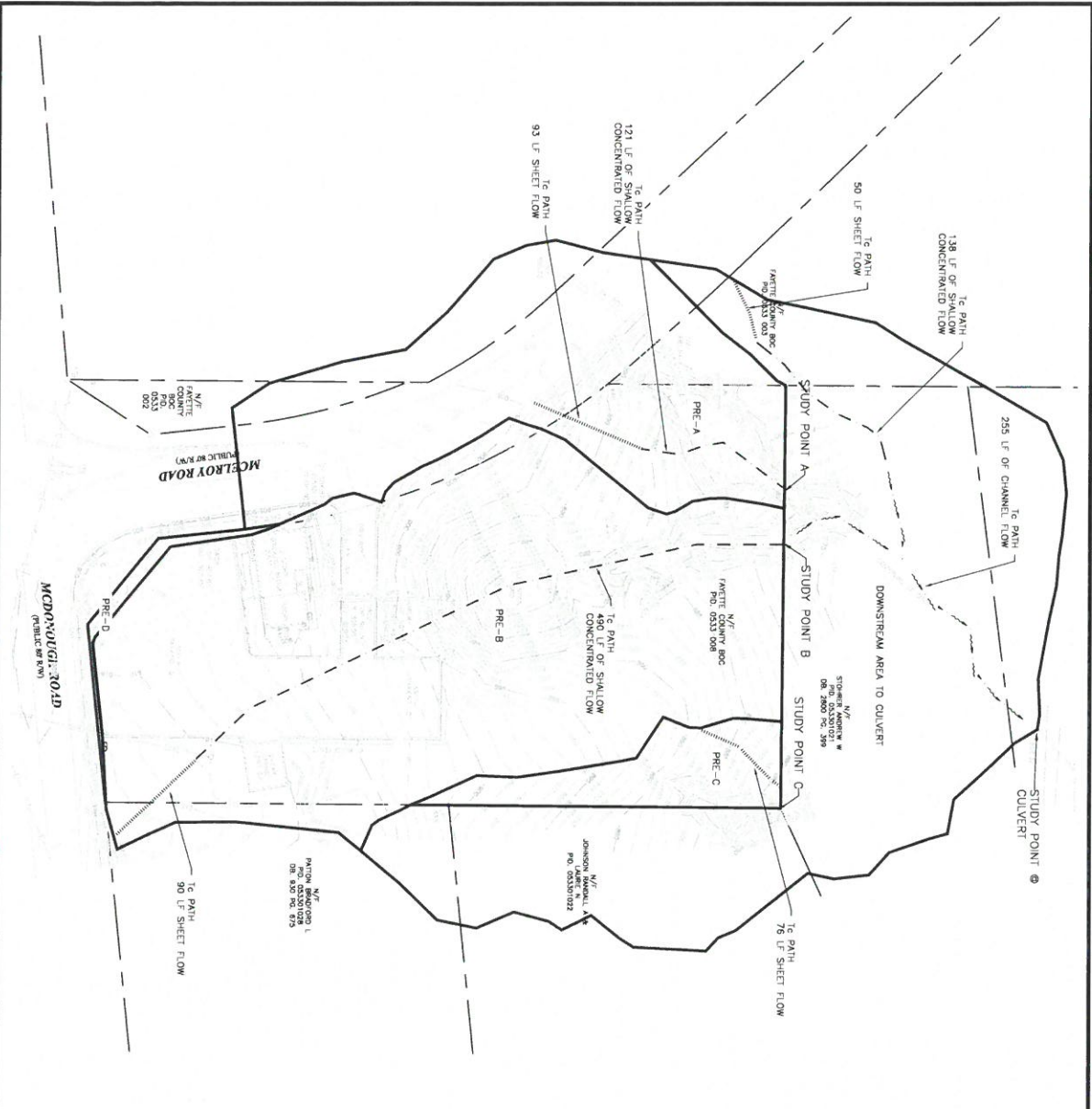
DESIGN PHASE

LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA

CROY ENGINEERING

Engineers
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 Surveyors

200 NORTH COBB PARKWAY, B.D.G. 400, SUITE 413
 MARICETTA, GA 30082
 PHONE: (770) 971-5407 FAX: (770) 971-0620



DRAINAGE BASIN SUMMARY

BASIN A:	1.24 AC	CN = 69
BASIN B:	2.67 AC	CN = 55
BASIN C:	0.25 AC	CN = 55
BASIN D:	0.04 AC	CN = 61
DS BASIN TO CULVERT:	2.46 AC	CN = 56
TOTAL:	6.67 AC	

LEGEND

PROPERTY AND EXISTING R/W LINE	---
SHEET FLOW	---
SHALLOW CONCENTRATED FLOW	---
OPEN CHANNEL FLOW	---

24 HOUR CONTACT:
 DAVID SCARBROUGH
 TEL: 770-305-5414

SCALE IN FEET
 0 40 80 120

NO.	REVISION	DATE

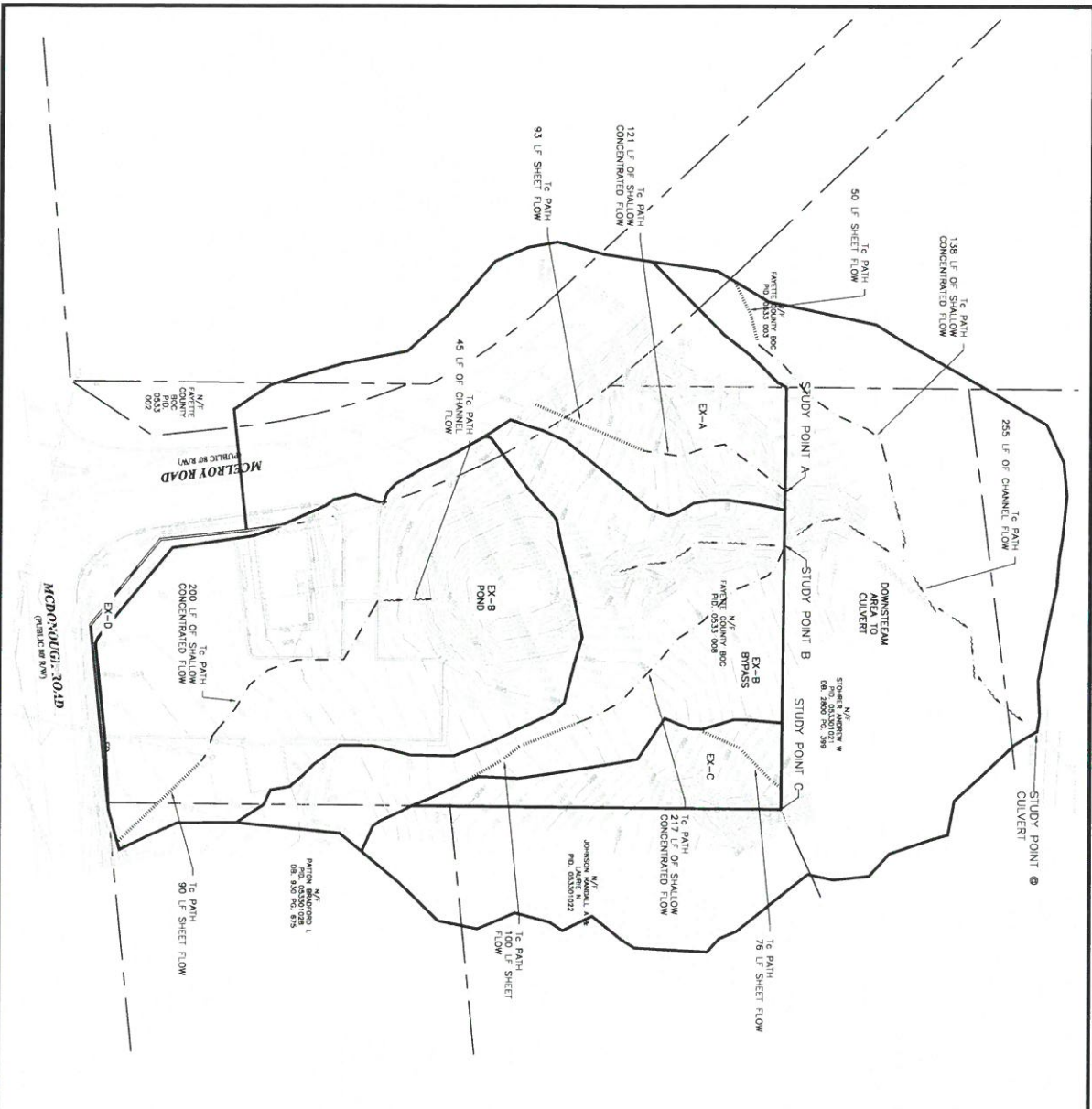
FIRE STATION NO. 4

DESIGN PHASE

LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA

CROY ENGINEERING Engineers Planners Surveyors

200 NORTH COBB PARKWAY, 3RD. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620



DRAINAGE BASIN SUMMARY	
BASIN A:	1.24 AC CN = 69
BASIN B POND:	1.67 AC CN = 77
BASIN B BYPASS:	1.00 AC CN = 55
BASIN C:	0.25 AC CN = 55
BASIN D:	0.04 AC CN = 61
DS BASIN TO CULVERT:	2.46 AC CN = 55
TOTAL:	6.67 AC

LEGEND

PROPERTY AND EXISTING R/W LINE ———

SHEET FLOW - - - - -

SHALLOW CONCENTRATED FLOW - - - - -

OPEN CHANNEL FLOW - - - - -

24 HOUR CONTACT:
 DAVID SARGENT
 TEL: 770-505-5414

SCALE IN FEET
 0 40 80 120

SEAL

STATE OF GEORGIA
 SURVEYORS

PROJECT NUMBER: 1788-000
 DATE: 04/30/2018

C-901
 SHEET 13 OF 25

FIRE STATION NO. 4

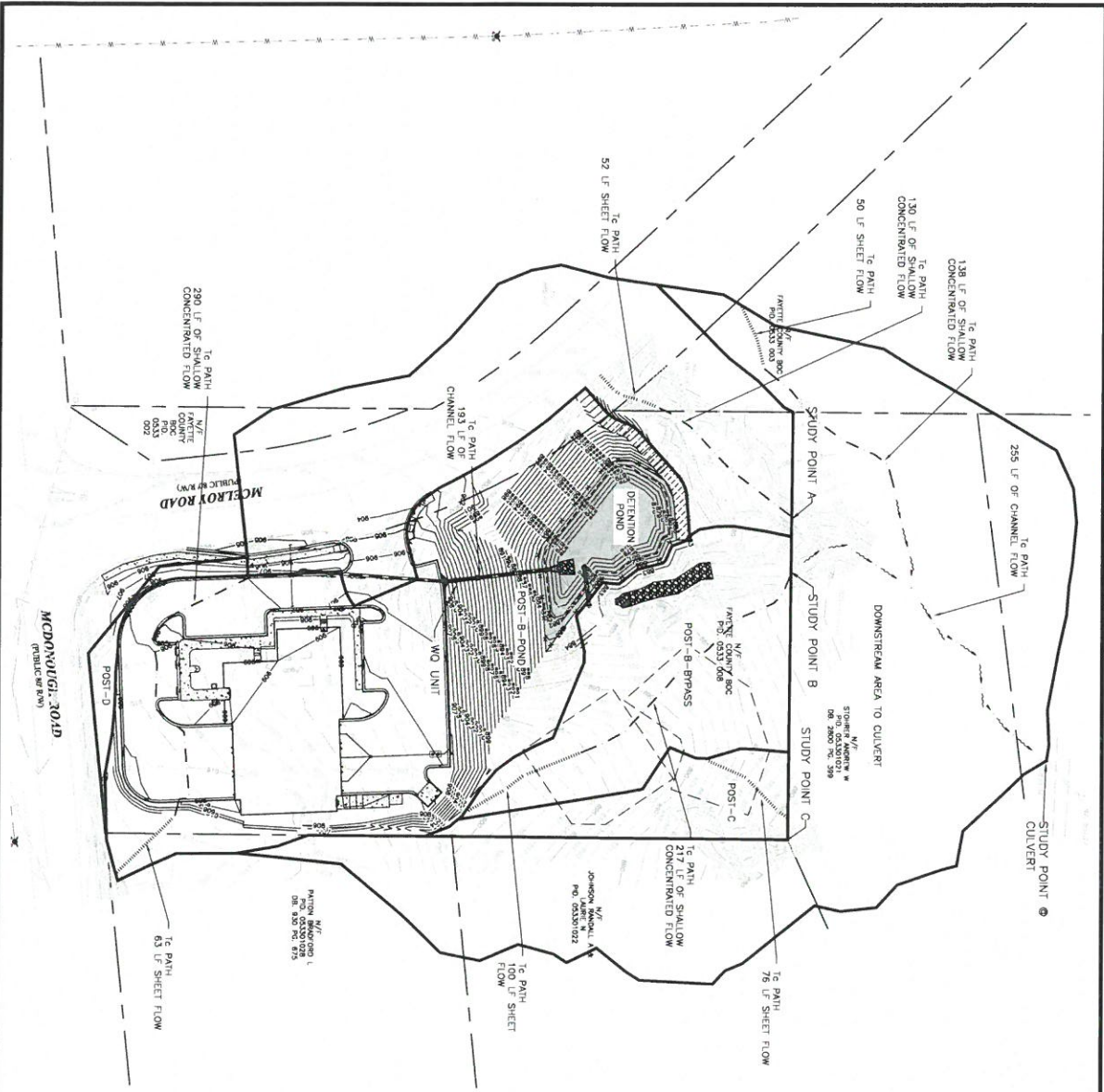
DESIGN PHASE

LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA

CROY ENGINEERING

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 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620



DRAINAGE BASIN SUMMARY

BASIN A:	1.20 AC	CN = 69
BASIN B POND:	1.97 AC	CN = 77
BASIN B BYPASS:	0.69 AC	CN = 55
BASIN C:	0.25 AC	CN = 55
BASIN D:	0.06 AC	CN = 61
DS BASIN TO CULVERT:	2.50 AC	CN = 55
TOTAL:	6.67 AC	

LEGEND

PROPERTY AND EXISTING R/W LINE: ————

SHEET FLOW: - - - - -

SHALLOW CONCENTRATED FLOW: - - - - -

OPEN CHANNEL FLOW: - - - - -

24 HOUR CONTACT:
 DAVID SCARBOROUGH
 TEL: 770-305-5414

SCALE IN FEET
 0 40 80 120

C-902
 SHEET 14 # 25

PROJECT NUMBER
 17281003

DATE
 04/20/2018

SCALE
 1"=40'

NO.	REVISION	DATE

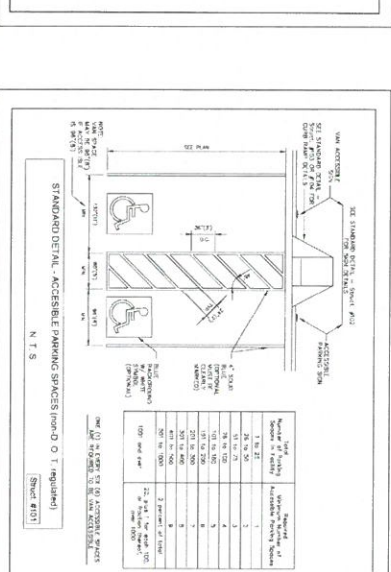
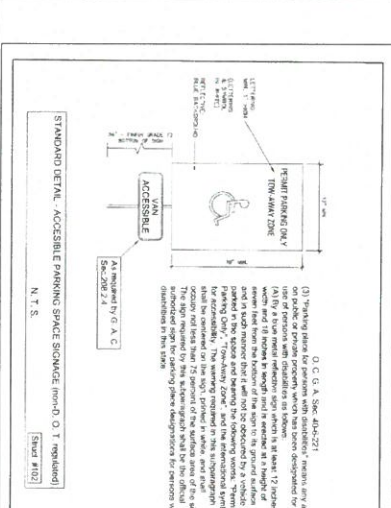
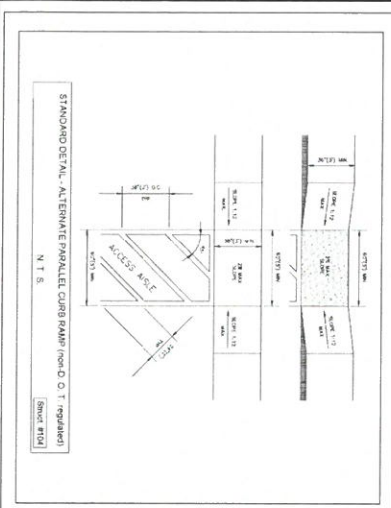
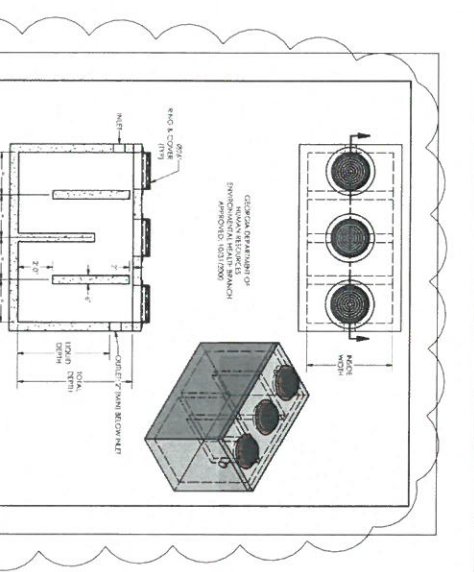
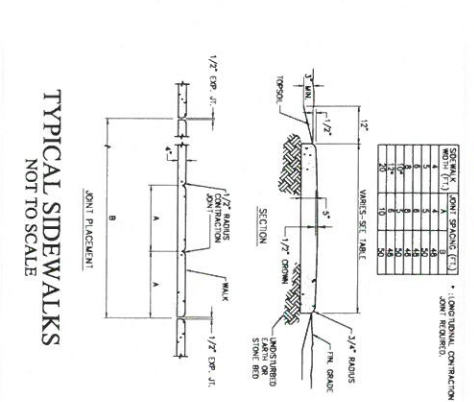
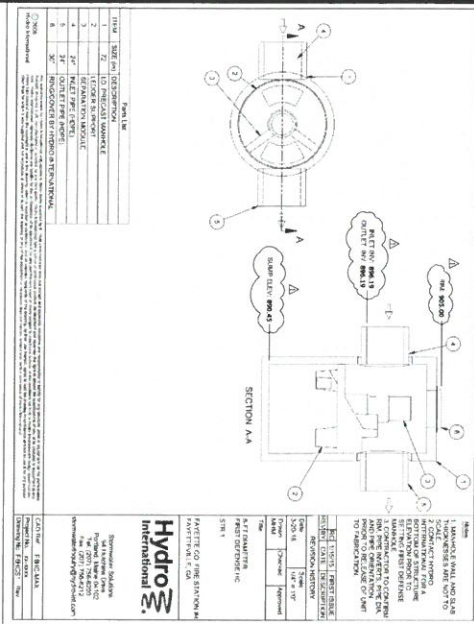
FIRE STATION NO. 4

DESIGN PHASE

LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA

CROY ENGINEERING Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620



NO.	DESCRIPTION	DATE
1	CONSTRUCTION	
2	REVISIONS	
3	REVISIONS	
4	REVISIONS	
5	REVISIONS	
6	REVISIONS	
7	REVISIONS	
8	REVISIONS	
9	REVISIONS	
10	REVISIONS	

FIRE STATION NO. 4

DESIGN PHASE

LAND LOT(S) 139
OF THE 2ND DISTRICT, 5TH SECTION
FAYETTE COUNTY, GEORGIA

SHEET TITLE
CONSTRUCTION
DETAILS

DATE
04/20/2018

SCALE
AS SHOWN

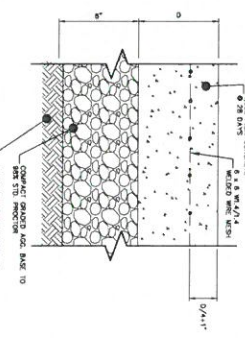
PROJECT NUMBER
1788.000

SHEET NUMBER
15 OF 25

CROY ENGINEERING

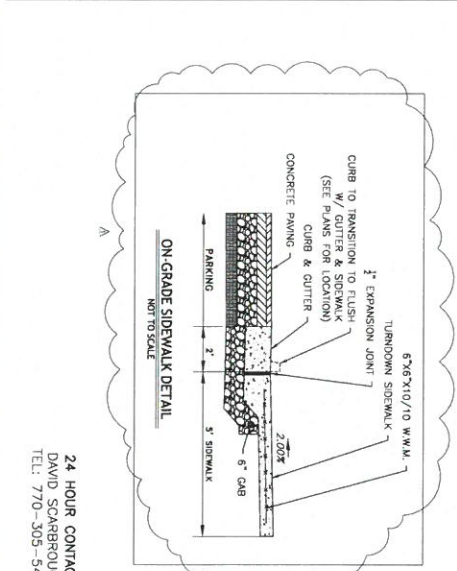
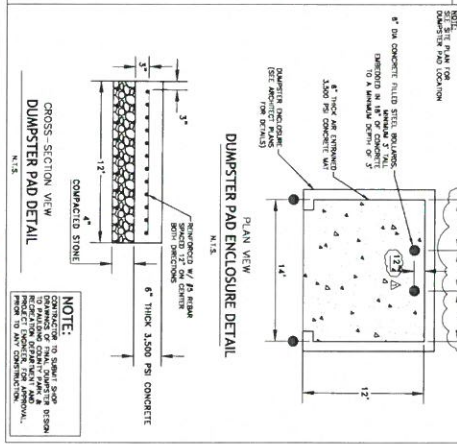
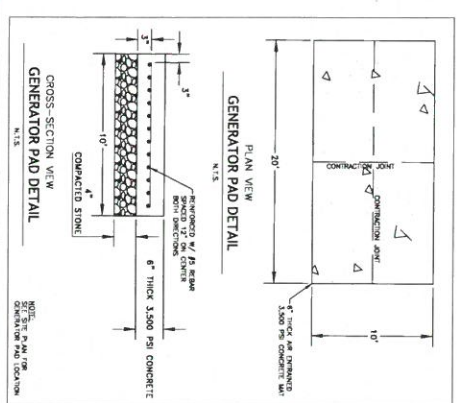
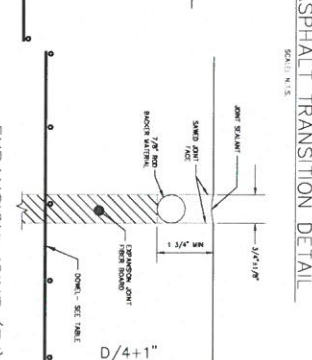
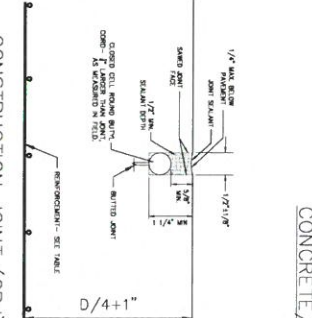
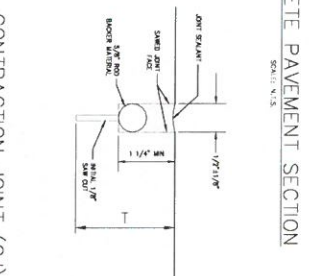
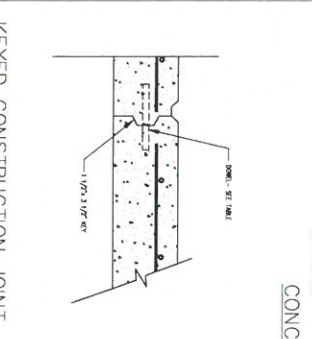
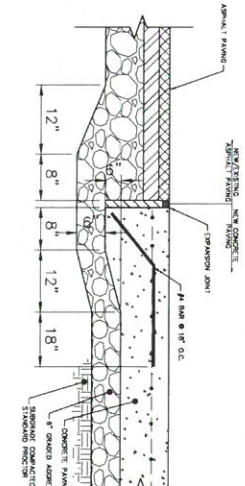
Engineers
Planners
Surveyors

200 NORTH CDB9 PARKWAY, 3RD. 400, SUITE 415
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620



NOTES:

- CONCRETE TO BE 4000 PSI AT 28 DAYS. MEASUREMENTS OF ALL FRACTIONS SHALL BE BY WEIGHT.
- CONCRETE SHALL BE PLACED IN 4" MAXIMUM THICKNESS LIFTS.
- CONCRETE SHALL BE PLACED IN 4" MAXIMUM THICKNESS LIFTS.
- CONCRETE SHALL BE PLACED IN 4" MAXIMUM THICKNESS LIFTS.
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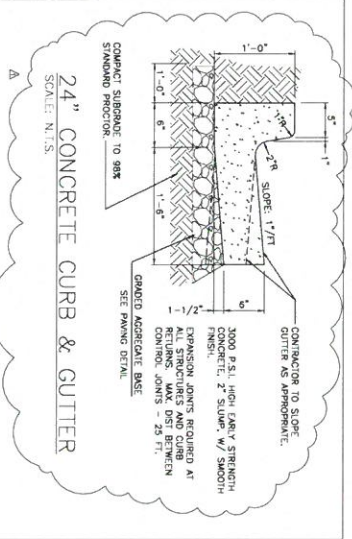
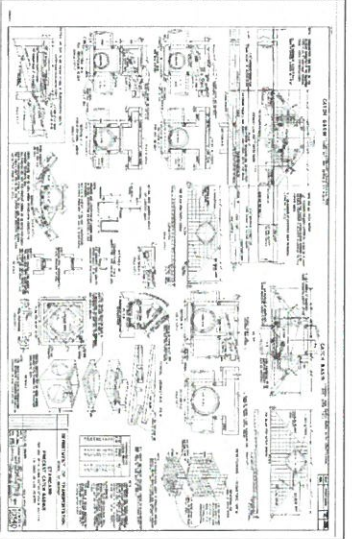
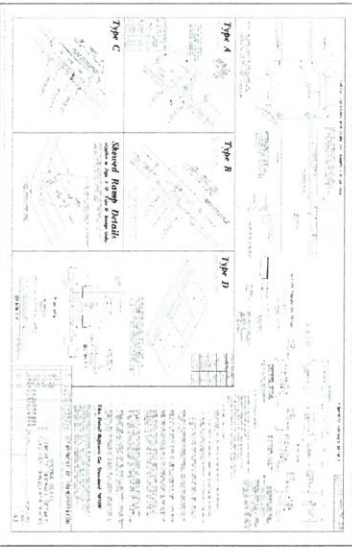
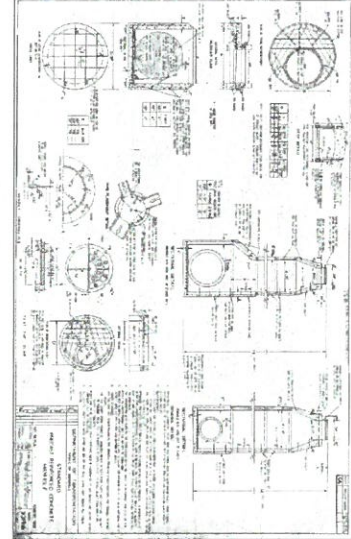
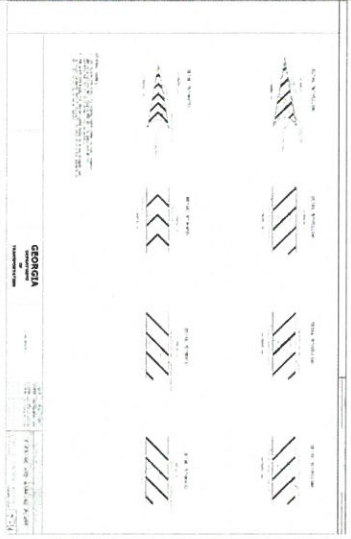
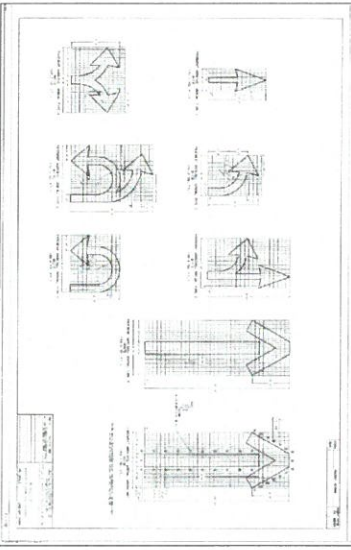
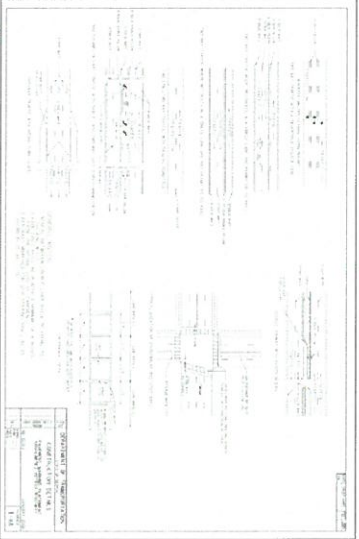
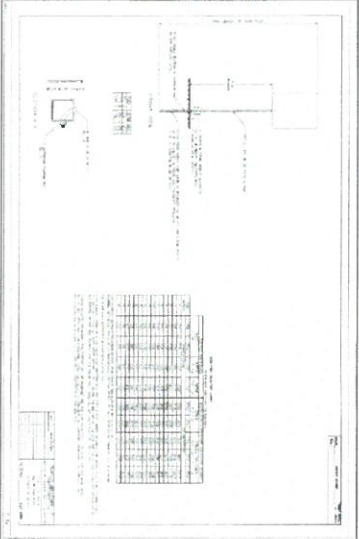
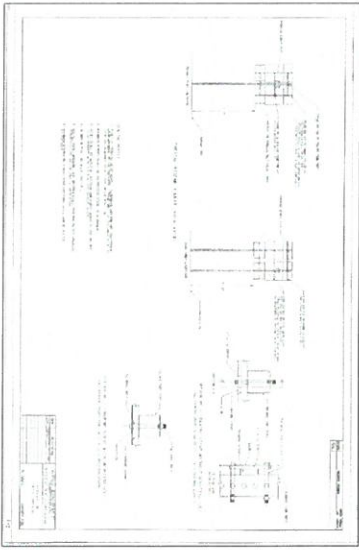


24 HOUR CONTACT:
DAVID SCARBROUGH
TEL: 770-305-5414

NO.	REVISION	DATE
1	ISSUED FOR PERMITS	04/30/2018
2	ISSUED FOR PERMITS	04/30/2018
3	ISSUED FOR PERMITS	04/30/2018
4	ISSUED FOR PERMITS	04/30/2018
5	ISSUED FOR PERMITS	04/30/2018
6	ISSUED FOR PERMITS	04/30/2018
7	ISSUED FOR PERMITS	04/30/2018
8	ISSUED FOR PERMITS	04/30/2018
9	ISSUED FOR PERMITS	04/30/2018
10	ISSUED FOR PERMITS	04/30/2018

FIRE STATION NO. 4
DESIGN PHASE
LAND LOT(S) 139
OF THE 2ND DISTRICT, 5TH SECTION
FAYETTE COUNTY, GEORGIA

CROY ENGINEERING Engineers Planners Surveyors
200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620



24 HOUR CONTACT:
 DAVID SCARBROUGH
 TEL: 770-305-5414

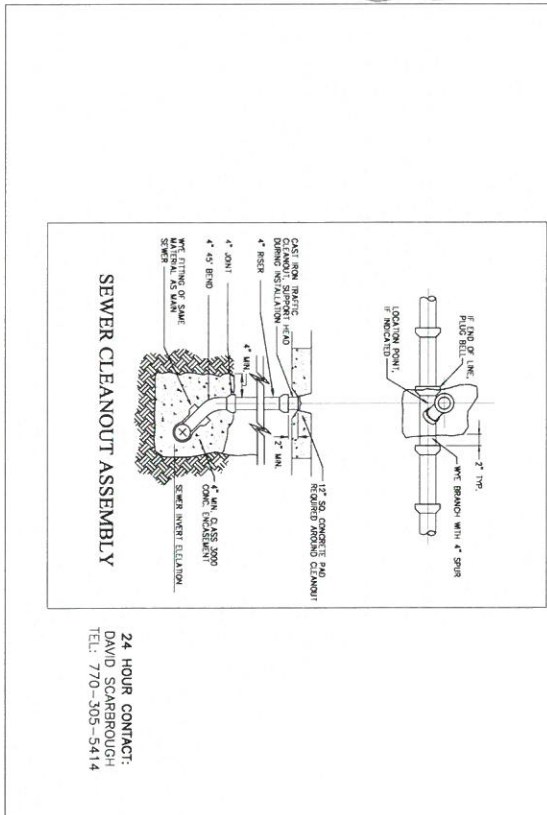
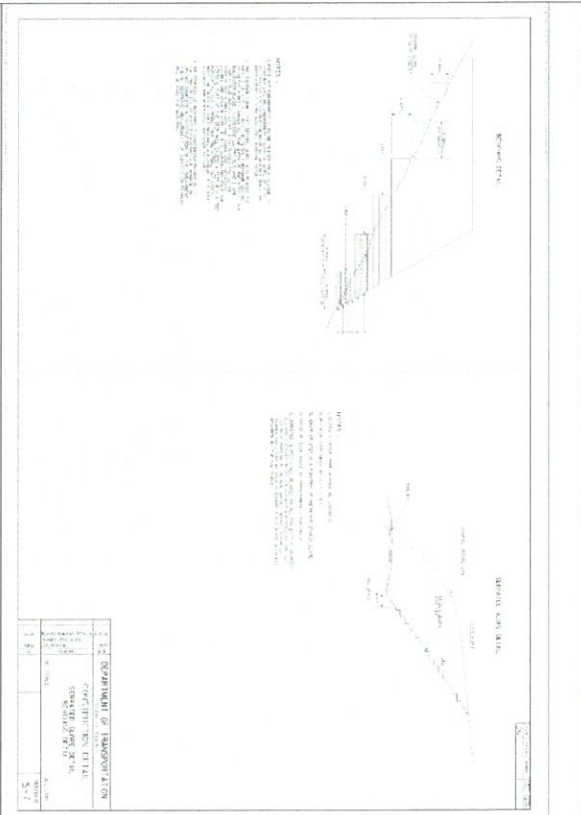
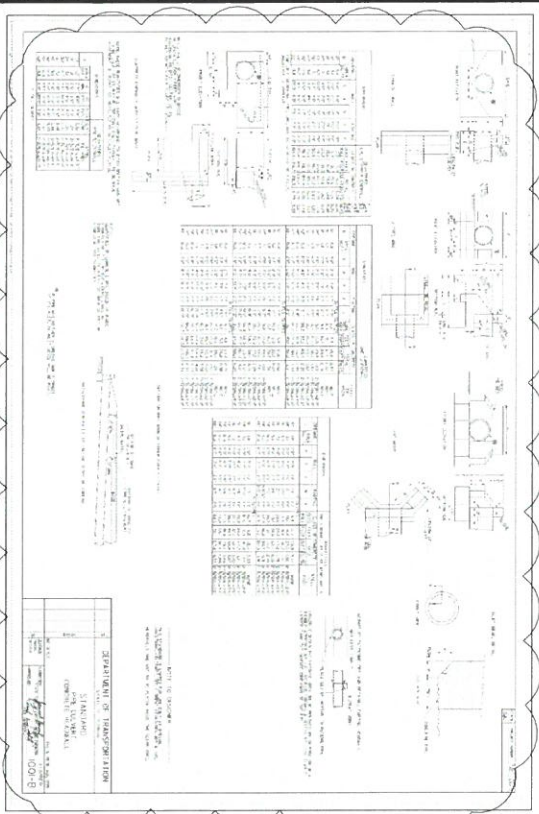
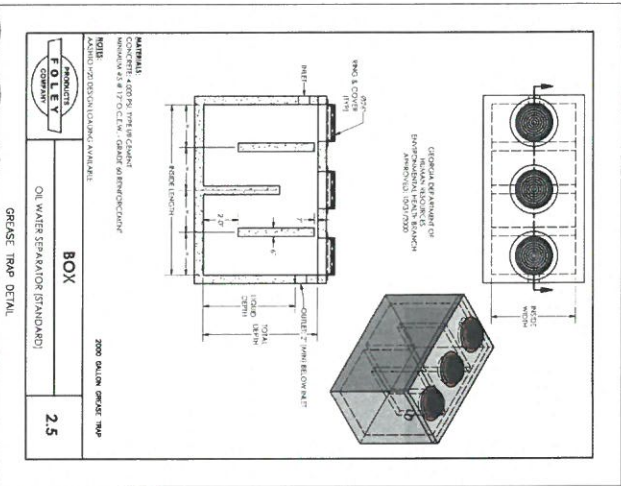
C-1002
 SHEET 17 OF 25

NO.	REVISION	DATE
1	CONSTRUCTION	



FIRE STATION NO. 4
 DESIGN PHASE
 LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA

CROY ENGINEERING
 Engineers
 Planners
 Surveyors
 200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620



C-1003
SHEET 18 OF 25

DATE: 04/20/2018
DRAWN BY: SHM
CHECKED BY: LCC

CONSTRUCTION DETAILS

FIRE STATION NO. 4

DESIGN PHASE

LAND LOT(S) 139
OF THE 2ND DISTRICT, 5TH SECTION
FAYETTE COUNTY, GEORGIA

CROY ENGINEERING

Engineers
Planners
Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
MARIETTA, GA 30062
PHONE: (770) 971-5407 FAX: (770) 971-0620

Plot Scale: 1"=40'. Drawing Location: #11. Plot Style: Design.ctb. Plotted By: Scott McRobley on 5/29/2018, 8:52 AM

EROSION, SEDIMENTATION, & POLLUTION CONTROL PLANS FOR

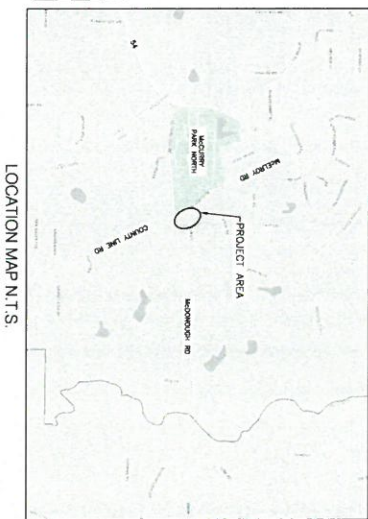
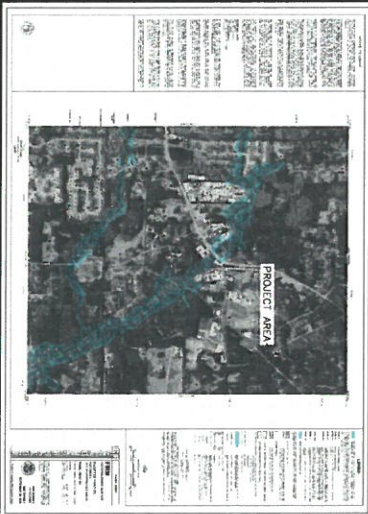
FIRE STATION NO. 4

FAYETTE COUNTY, GEORGIA

CROY ENGINEERING PROJECT NO. 1788.000

JUNE 2018

SHEET INDEX	
SHEET DRAWING NAME	SHEET NAME
19	ER-000 EROSION CONTROL COVER
20	ER-100 EROSION CONTROL NOTES
21	ER-200 EROSION CONTROL PLAN - INITIAL PHASE
22	ER-300 EROSION CONTROL PLAN - INTERMEDIATE PHASE
23	ER-400 EROSION CONTROL PLAN - FINAL PHASE
24-29	ER-500-501 EROSION CONTROL DETAILS



TOTAL SITE AREA: 3.13 AC
TOTAL DISTURBED AREA: 2.31 AC

DESIGN PROFESSIONAL CERTIFICATION:
 I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATION DESCRIBED HEREIN BY ME OR AN APPROVED AGENT, UNDER MY DIRECT SUPERVISION.

DESIGNER: [Signature] **DATE:** 06/29/2018

PROJECT IDENTIFICATION:
 PROJECT NAME: [Blank] **DATE:** [Blank]

PROJECT IDENTIFICATION:
 PROJECT NAME: [Blank] **DATE:** [Blank]

OWNER:
 FAYETTE COUNTY FIRE DEPARTMENT
 140 STONEWALL AVENUE
 FAYETTEVILLE, GA 30214
 TEL: 770-305-5414

24 HOUR CONTACT:
 DAVID SCARBROUGH
 TEL: 770-305-5414

STATEMENT: [Blank] **TITLE:** [Blank]
DATE: [Blank]

AS THE GEORGIA DEPARTMENT OF TRANSPORTATION (DOT) HAS REVIEWED THESE PLANS AND FOUND THEM TO BE IN SUBSTANTIAL ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALITY EROSION CONTROL MEASURES WILL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION OF THE PROJECT, THE ENGINEER HAS REVIEWED THE PLANS AND FOUND THEM TO BE IN SUBSTANTIAL ACCORDANCE WITH THE EROSION CONTROL PLAN FOR THE PROJECT AND HAS REVIEWED THE PLANS AND FOUND THEM TO BE IN SUBSTANTIAL ACCORDANCE WITH THE EROSION CONTROL PLAN FOR THE PROJECT.

NO.	REVISION	DATE

PROFESSOR OF PRACTICE
AS SHOWN 04/30/2018

CSWCC CERT #2973

ER-000
SHEET 19 OF 25

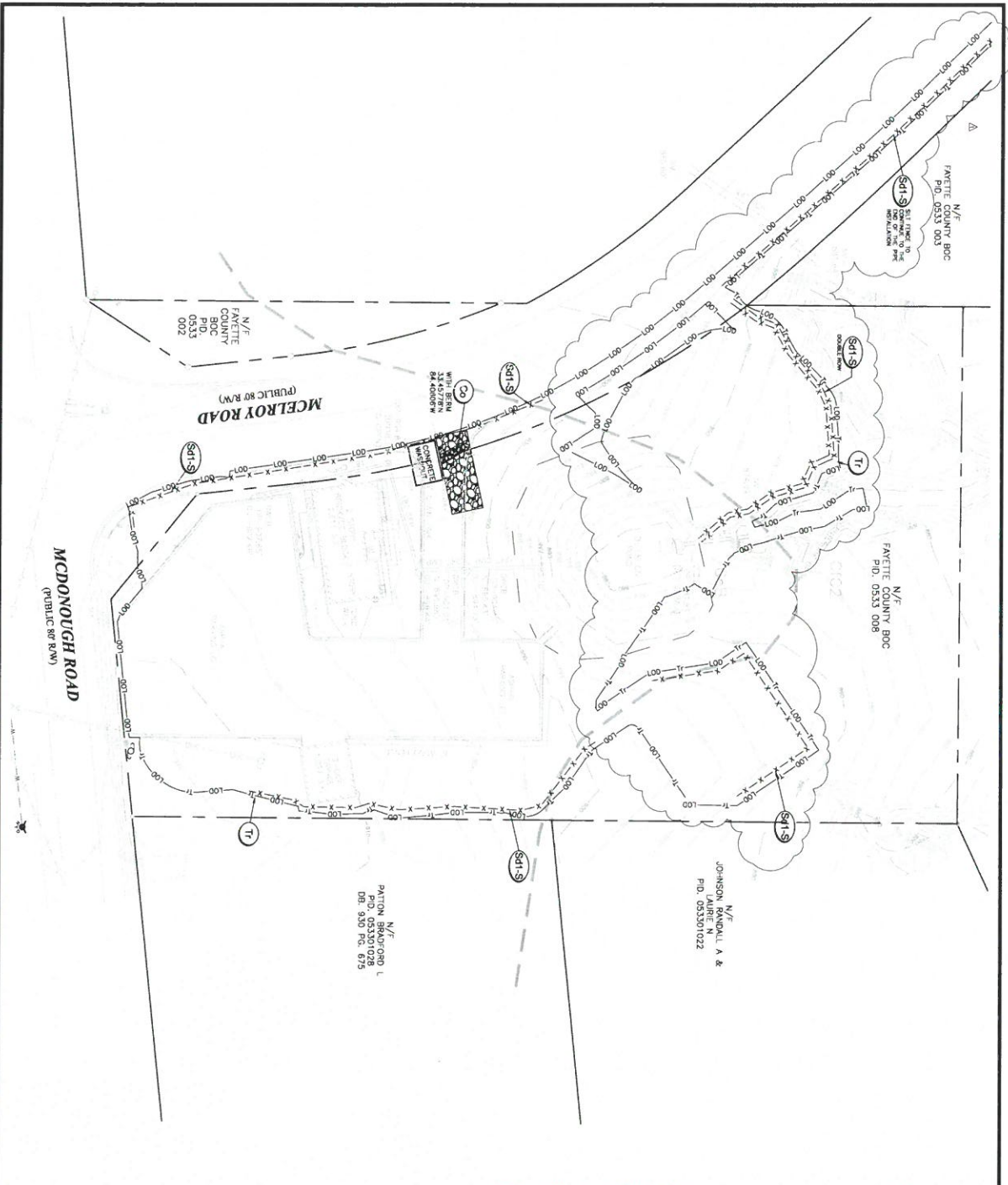
CROY ENGINEERING Engineers Planners Surveyors

200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

FIRE STATION NO. 4

DESIGN PHASE

LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA



EROSION CONTROL NOTES

THE SLOPE OF EROSION CONTROL STRUCTURES SHALL BE AS SHOWN ON THIS PLAN. THE SLOPE OF EROSION CONTROL STRUCTURES SHALL BE MAINTAINED AT ALL TIMES. EROSION CONTROL STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND THE EROSION CONTROL MANUAL. EROSION CONTROL STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND THE EROSION CONTROL MANUAL. EROSION CONTROL STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND THE EROSION CONTROL MANUAL.

INITIAL PHASE NARRATIVE:

THE INITIAL PHASE NARRATIVE DESCRIBES THE CONSTRUCTION OF THE EROSION CONTROL STRUCTURES. THE INITIAL PHASE NARRATIVE DESCRIBES THE CONSTRUCTION OF THE EROSION CONTROL STRUCTURES. THE INITIAL PHASE NARRATIVE DESCRIBES THE CONSTRUCTION OF THE EROSION CONTROL STRUCTURES. THE INITIAL PHASE NARRATIVE DESCRIBES THE CONSTRUCTION OF THE EROSION CONTROL STRUCTURES.

STRUCTURAL BMP LEGEND

S41-S: SLOPE PROTECTION
 T: TREE PROTECTION
 (Symbol): CONSTRUCTION EROSION CONTROL

GEORGIA
 Environmental Protection Agency
 (State) Department Permit

24 HOUR CONTACT:
 DAVID SCARBROUGH
 TEL: 770-305-5414

SCALE IN FEET

0 30 60 90

CROY ENGINEERING Engineers, Planners, Surveyors

200 NORTH COBB PARKWAY, 3RD. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

FIRE STATION NO. 4

DESIGN PHASE

LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA

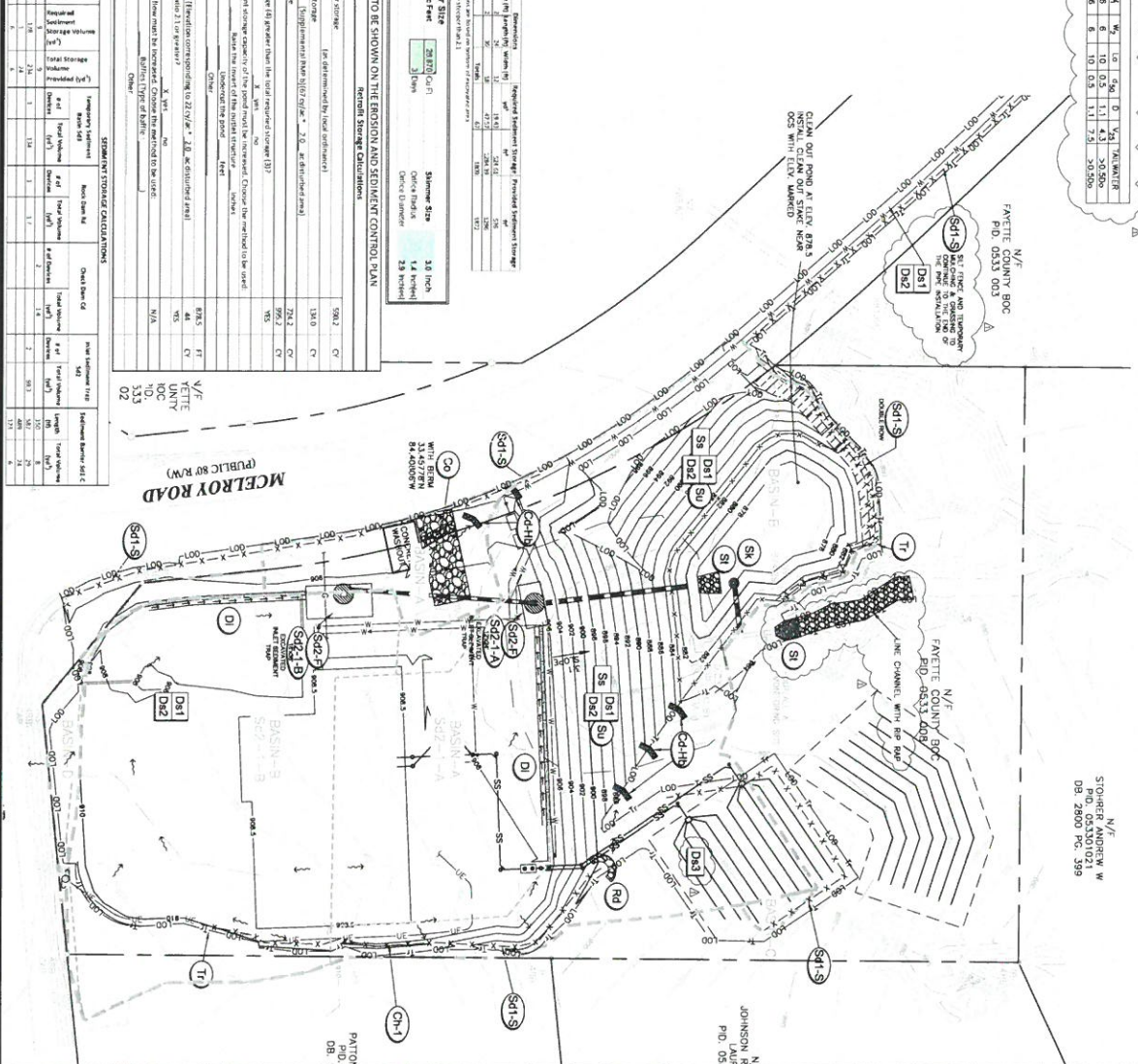
ER-200
 SHEET 21 OF 25

PROJECT NUMBER: 17881003
 DATE: 04/20/2018
 SCALE: 1" = 30'

DESIGNED BY: SHM
 CHECKED BY: LCC

PROJECT NUMBER: 17881003
 DATE: 04/20/2018

Structure	D	M	W	LS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50																																															
	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28	28.5	29	29.5	30	30.5	31	31.5	32	32.5	33	33.5	34	34.5	35	35.5	36	36.5	37	37.5	38	38.5	39	39.5	40	40.5	41	41.5	42	42.5	43	43.5	44	44.5	45	45.5	46	46.5	47	47.5	48	48.5	49	49.5	50



STORMWATER CALCULATIONS

1. Required stormwater storage
2. Required detention storage
3. Total required storage
4. Total required storage by pond
5. To be provided storage by pond
6. If "no", the required storage capacity of the pond must be increased. Change the method to be used.
7. Check out activities
8. If the length of the pond is increased, change the method to be used.
9. If "no", the length of the pond must be increased. Change the method to be used.

1. Required stormwater storage	506.2	CV
2. Required detention storage	138.0	CV
3. Total required storage	754.2	CV
4. Total required storage by pond	754.2	CV
5. To be provided storage by pond	754.2	CV
6. If "no", the required storage capacity of the pond must be increased. Change the method to be used.	N/A	
7. Check out activities	698.5	CV
8. If the length of the pond is increased, change the method to be used.	698.5	CV
9. If "no", the length of the pond must be increased. Change the method to be used.	698.5	CV

SEWAGE TREATMENT CALCULATIONS

Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)	Flow (MGD)
1. Influent	0.075	0.075	0.075	0.075
2. Effluent	0.075	0.075	0.075	0.075
3. Recycled	0.075	0.075	0.075	0.075
4. Total	0.075	0.075	0.075	0.075

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

VEGETATIVE BMP LEGEND	
	D1
	D2
	D3
	D4
	D5
	Su1
	Su2
	Su3
	Su4
	Sr1
	Sr2
	Sr3
	Sr4
	Ch1
	Ch2
	Ch3
	Ch4

STRUCTURAL BMP LEGEND

	Sd1
	Sd2
	Sd3
	Sd4
	Sd5
	Sd6
	Sd7
	Sd8
	Sd9
	Sd10
	Sd11
	Sd12
	Sd13
	Sd14
	Sd15
	Sd16
	Sd17
	Sd18
	Sd19
	Sd20

EROSION CONTROL NOTES

1. THE LOCATION OF STORMWATER POND SHALL BE REVISED BY THE ENGINEER TO ACCORDANCE WITH THE CITY OF MARIETTA DISTRICT 5 STANDARDS.

2. ALL CONSTRUCTION SHALL BE TO ACCORDANCE WITH THE CITY OF MARIETTA DISTRICT 5 STANDARDS.

3. ALL CONSTRUCTION SHALL BE TO ACCORDANCE WITH THE CITY OF MARIETTA DISTRICT 5 STANDARDS.

4. ALL CONSTRUCTION SHALL BE TO ACCORDANCE WITH THE CITY OF MARIETTA DISTRICT 5 STANDARDS.

5. ALL CONSTRUCTION SHALL BE TO ACCORDANCE WITH THE CITY OF MARIETTA DISTRICT 5 STANDARDS.

INTERMEDIATE PHASE NARRATIVE:

AFTER THE PRELIMINARY CONSTRUCTION, THE BUILDER SHALL PREPARE A CONSTRUCTION EROSION CONTROL PLAN (CECP) FOR THE CONSTRUCTION OF THE BUILDING AND SITEWORK. THE CECP SHALL BE TO ACCORDANCE WITH THE CITY OF MARIETTA DISTRICT 5 STANDARDS. THE CECP SHALL BE SUBMITTED TO THE CITY OF MARIETTA DISTRICT 5 FOR REVIEW AND APPROVAL. THE CECP SHALL BE REVISED AS NECESSARY TO ACCORDANCE WITH THE CITY OF MARIETTA DISTRICT 5 STANDARDS.

24 HOUR CONTACT:
DAVID SCARBROUGH
TEL: 770-305-5414

SCALE IN FEET

GEORGIA
REGISTERED PROFESSIONAL ENGINEER
17888.0001

PROJECT: FIRE STATION NO. 4
DESIGNER: GSWCC CERT #2973
DATE: 04/20/2018

FIRE STATION NO. 4

DESIGN PHASE

LAND LOT(S) 139
OF THE 2ND DISTRICT, 5TH SECTION
FAYETTE COUNTY, GEORGIA

CROY ENGINEERS
Engineers
Planners
Surveyors

700 NORTH CORB PARKWAY, BLDG. 400, SUITE 415
MARIETTA, GA 30067
PHONE: (770) 971-5407 FAX: (770) 971-0620

51 DISTURBED AREA STABILIZATION
(MULCH MULCHING ONLY)
 N.T.S.

APPLICATOR NOTES:
 This material is intended for use on disturbed areas that are not to be planted with vegetation. It is not intended for use on areas that are to be planted with vegetation.

INSTALLATION:
 1. Check to insure that the material is applied to the disturbed area.
 2. Check to insure that the material is applied to the disturbed area.
 3. Check to insure that the material is applied to the disturbed area.

MAINTENANCE:
 1. Check to insure that the material is applied to the disturbed area.
 2. Check to insure that the material is applied to the disturbed area.

APPLICATOR NOTES:
 This material is intended for use on disturbed areas that are not to be planted with vegetation. It is not intended for use on areas that are to be planted with vegetation.

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MAINTENANCE:
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 2. Check to insure that the material is applied to the disturbed area.



52 DISTURBED AREA STABILIZATION
(MULCH TEMPORARY SEEDING)
 N.T.S.

APPLICATOR NOTES:
 This material is intended for use on disturbed areas that are not to be planted with vegetation. It is not intended for use on areas that are to be planted with vegetation.

INSTALLATION:
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MAINTENANCE:
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 2. Check to insure that the material is applied to the disturbed area.



PLAN PLANTING MATRIX AND PLANTING MATRIX FOR TEMPORARY COVER OR COMBINATION COVER

SPECIES	BIODIVERSITY		PLANTING MATRIX	REMARKS
	PERCENT	PERCENT		
...

53 DISTURBED AREA STABILIZATION
(MULCH PERMANENT VEGETATION)
 N.T.S.

APPLICATOR NOTES:
 This material is intended for use on disturbed areas that are not to be planted with vegetation. It is not intended for use on areas that are to be planted with vegetation.

INSTALLATION:
 1. Check to insure that the material is applied to the disturbed area.
 2. Check to insure that the material is applied to the disturbed area.

MAINTENANCE:
 1. Check to insure that the material is applied to the disturbed area.
 2. Check to insure that the material is applied to the disturbed area.

APPLICATOR NOTES:
 This material is intended for use on disturbed areas that are not to be planted with vegetation. It is not intended for use on areas that are to be planted with vegetation.

INSTALLATION:
 1. Check to insure that the material is applied to the disturbed area.
 2. Check to insure that the material is applied to the disturbed area.

MAINTENANCE:
 1. Check to insure that the material is applied to the disturbed area.
 2. Check to insure that the material is applied to the disturbed area.



PLAN PLANTING MATRIX AND PLANTING MATRIX FOR PERMANENT COVER

SPECIES	BIODIVERSITY		PLANTING MATRIX	REMARKS
	PERCENT	PERCENT		
...

24 HOUR CONTACT:
 DAVID SCARBOROUGH
 TEL: 770-305-5414

ER-501
 SHEET 25 OF 25

FIRE STATION NO. 4
 DESIGN PHASE
 LAND LOT(S) 139
 OF THE 2ND DISTRICT, 5TH SECTION
 FAYETTE COUNTY, GEORGIA

CROY ENGINEERING
 Engineers
 Planners
 Surveyors
 200 NORTH COBB PARKWAY, BLDG. 400, SUITE 413
 MARIETTA, GA 30062
 PHONE: (770) 971-5407 FAX: (770) 971-0620

DATE: _____
 NO. _____
 REVISION REFERENCE: _____ DATE: _____
 SHEET TITLE: GSWCC CERT # 2973
 EROSION CONTROL DETAILS
 DRAWN BY: SHM
 CHECKED BY: AS SHOWN
 DATE: 04/20/2018
 DESIGNED BY: LCC
 DATE: 04/20/2018
 DRAWING NUMBER: 1758.000