COUNTY AGENDA REQUEST

Department:	Information Systems	Presenter(s):	Russell Prince
Meeting Date:	Thursday, September 26, 2013	Type of Request:	Consent

Wording for the Agenda:

Approval of staff's recommendation to award the McDonough Road Fiber Optic Cabling Project to the low-bidder, ComTran, in an amount not to exceed $202,300.00, to authorize $43,000 in additional funding for the project, and to authorize the County Manager to sign the contract and related documents.

Background/History/Details:

The Information Systems Department solicited bids for the previously approved McDonough Road Fiber Optic Cabling Project. Four bids were received for the project. The low-bidder, ComTran, came in at $202,300.00.

The originally approved budget for this request was $180,000.00. So far, approximately $20,000.00 has been spent or reserved for known future expenses (Mallett Consulting's estimated engineering fees will be about $16,750.00 and $3,260 on Fiber Option Cabling modules).

In order to have sufficient funds to complete the McDonough Road Fiber Optic Cabling Project, staff is requesting an additional $43,000.00. This brings the total project cost to $202,300.00 which exceeds the $200,000.00 County Manager approval authority for a approved budgeted line item.

What action are you seeking from the Board of Commissioners?

Approval of staff's recommendation to award the McDonough Road Fiber Optic Cabling Project to the low-bidder, ComTran, in an amount not to exceed $202,300.00, to authorize $43,000 in additional funding for the project, and to authorize the County Manager to sign the contract and related documents.

If this item requires funding, please describe:

Funding for this project has been budgeted for in the McDonough Road Fiber Optic Cable Capital Project (37510535-542420-2535E). There are funds budgeted within the Information Technology Strategic Technology Plan to fund this request.

Has this request been considered within the past two years?	No	If so, when?	
Is Audio-Visual Equipment Required for this Request?*	No	Backup Provided with Request?	Yes

**** All audio-visual material must be submitted to the County Clerk's Office no later than 48 hours prior to the meeting. It is also your department's responsibility to ensure all third-party audio-visual material is submitted at least 48 hours in advance.***

Approved by Finance	Yes	Reviewed by Legal	
Approved by Purchasing	Yes	County Clerk's Approval	Yes
Administrator's Approval			

Staff Notes:

Revised project cost exceeds $200,000.00 County Manager approval authority for a approved budgeted line item and requires Board of Commissioner approval.

Fayette County
"Where Quality Is a Lifestyle"
Purchasing Department
140 Stonewall Avenue West, Ste 101
Fayetteville, Georgia 30214
Phone: 770-305-5420
www.fayettecountyga.gov

To: Steve Rapson

From: Ted L. Burgess

Date: September 18, 2013

Subject: Contract for Installation of Fiber Optic Cable

County operations on McDonough Road include Water System administration, Public Works, Building and Grounds Maintenance, and the E 9-1-1 Command Center. These operations rely on a number of computer software programs, such as Munis, Kronos, GCIC, and other applications. Currently, the county has a contract with AT&T for their "Metro Ethernet" service, which provides a line connecting the McDonough Road facilities, through the Justice Center, to computer operations at Stonewall Avenue. The contract sets the price of $2,362 per month for the service.

The Information System (I.S.) Department's Fiscal Year 2012 budget included a Capital Improvement Project (#2535E) of $180,000. The purpose of the project is to replace the AT&T line with a county-owned fiber optic cable. The new cable would increase bandwidth from 100 megabits to 10 gigabits, allowing improved response in general, and facilitating the use of the E 9-1-1 Command Center as a remote data backup site.

The I.S. Department reports that the current estimated cost of the cable, if the recommended installation contractor is approved, would be:

Cable installation	$202,300
Engineering fees	16,750
Cable modules	3,260
Total Cost	$222,310

At the current Metro Ethernet contract price, the county-owned fiber optic line would pay for itself in 7.8 years.

Mallett Consulting, Inc. released an Invitation to Bid for the fiber optic cable installation. Ten contractors requested and received plans. Four of the plan holders submitted bids at the bid opening on July 23, 2013. The bids were as follows:

ComTran Group, Inc.	$202,300.00
ComTrac Services, Inc.	217,453.00
FiberTech	219,483.20
Graycliff Enterprises	302,700.00

The I.S. Department recommends the low bidder, Com Tran. Mallett Consulting check their references, which all reported satisfactory performance. The Purchasing Department supports the I.S. recommendation.

Mallett Consulting, Inc.
ENGINEERING - SURVEYING - PROJECT MANAGEMENT

101 DEVANT STREET, SUITE 804
FAYETTEVILLE, GEORGIA 30214
770-719-3333
770-719-3377 (fax)

August 5, 2013

Mr. Russell Prince
Fayette County Information Systems
140 W. Stonewall Avenue
Fayetteville, GA 30214

Re: Fiber Optic Cabling
911 to Justice Center
Fayette County, GA

Dear Mr. Prince:

I have finished checking references provided by the low bidder, ComTran, for the above referenced project. All references were very positive, have had good experiences working with ComTran. Each would welcome them again on future projects.

References include: Gwinnett Co. DOT
AT&T
AGL Networks (now Zayo)
Kennesaw State University.

Based on these references and our review of the Bids, we are comfortable recommending award to the ComTran Group. Please let me know if you need any additional information.

Sincerely,
Mallett Consulting, Inc.

David Jaeger, PE
Project Engineer

FIBER OPTIC CABLING
FROM JUSTICE CTR TO 911 CTR
FOR FAYETTE COUNTY, GEORGIA

BID TABULATION

BID DATE: JULY 23, 2013

ITEM #	DESCRIPTION	UNIT	EST. QUANTITY	COMTRAN UNIT PRICE	COMTRAN **TOTAL PRICE**	COMTRAC UNIT PRICE	COMTRAC **TOTAL PRICE**	FIBERTECH UNIT PRICE	FIBERTECH **TOTAL PRICE**	GRAYCLIFF ENTERPRISES UNIT PRICE	GRAYCLIFF ENTERPRISES **TOTAL PRICE**
1	All Labor, Materials & Equipment for Outside Plant Conduit, Fiber Optic Cable, Including Directional Boring, Bore & Jack, Complete	1	L.S.	L.S.	$ 176,680.00	L.S.	$ 196,549.00	L.S.	$ 193,343.92	L.S.	$ 280,000.00
2	All Labor, Materials & Equipment for Complete Termination, Hook-up & Testing of Fiber Optic Cabling, Complete	1	L.S.	L.S.	$ 3,980.00	L.S.	$ 7,500.00	L.S.	$ 2,200.00	L.S.	$ 13,000.00
3	All Labor, Materials & Equipment for Installation of Electrical Hand-Hole Junction Boxes, Complete										
3a.	Carson Industries, Model 1730-18 or Equal	4	Ea.	$ 980.00	$ 3,920.00	$ 401.00	$ 1,604.00	$ 931.32	$ 3,725.28	$ 300.00	$ 1,200.00
3b.	Carson Industries, Model 1017-12, or Equal	20	Ea.	$ 636.00	$ 12,720.00	$ 340.00	$ 6,800.00	$ 760.70	$ 15,214.00	$ 175.00	$ 3,500.00
4	Allowance per Special Conditions	1	L.S.	L.S.	$ 5,000.00	L.S.	$ 5,000.00	L.S.	$ 5,000.00	L.S.	$ 5,000.00
	TOTAL BASE BID				**$ 202,300.00**		**$ 217,453.00**		**$ 219,483.20**		**$ 302,700.00**
A1.	Additional Cost, Above Base Bid Price, To Substitute SDR 11 for the SDR 13.5 conduit Required in the Base Bid	1	L.S.	L.S.	$ 2,684.00	L.S.	$ 1,800.00	L.S.	$ 2,713.00	L.S.	$ 3,000.00

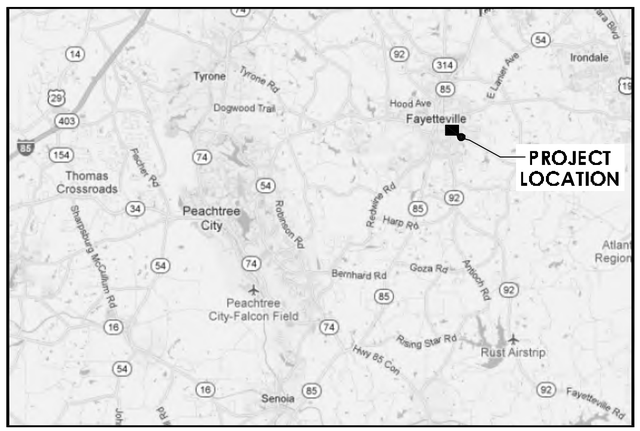
ADDITIONAL PLAN HOLDERS:	
GEORGIA UNDERGROUND	No Bid
WMS UNDERGROUND	No Bid
METALS & MATERIALS ENGINEERS	No Bid
ANIXTER	No Bid
NETWORK CABLING INFRASTRUCTURES	No Bid
NEW WAVE FIBER CONSTRUCTION INC	No Bid

FIBER OPTIC CABLING

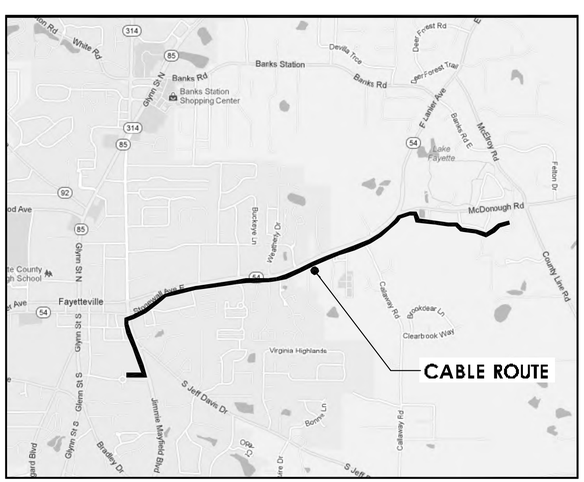
FROM 911 CALL CENTER TO JAIL TELECOM ROOM

FOR

FAYETTE COUNTY, GEORGIA



PROJECT LOCATION MAP



CABLE LOCATION MAP

AUTHORIZED BY:
FAYETTE COUNTY BOARD OF COMMISSIONERS
HERB FRADY, CHAIRMAN
ROBERT HORGAN, VICE-CHAIR
LEE HEARN
STEVE BROWN
ALLEN McCARTY

PREPARED FOR:
FAYETTE COUNTY PUBLIC FACILITIES AUTHORITY

DRAWING INDEX

SHEET NO.	DESCRIPTION
1	COVER, LOCATION MAP AND DRAWING INDEX
2	CABLE ROUTE
3	CABLE ROUTE (CONT.)
4	CABLE ROUTE (CONT.)
5	CABLE ROUTE (CONT.)
6	CABLE ROUTE (CONT.)
7	EXISTING UTILITIES
8	EXISTING UTILITIES (CONT.)
9	EXISTING UTILITIES (CONT.)
10	EXISTING UTILITIES (CONT.)
11	EXISTING UTILITIES (CONT.)
12	JIMMIE MAYFIELD BLVD. BORE CROSSING DETAILS
13	S.R. 54 CROSS SECTIONS
14	S.R. 54 CROSS SECTIONS (CONT.)

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 17697 DAVID L. MALLETT

DESIGN	NO
DRAWN	JLF
CHECK	JRB
APPROVED	DWJ
SCALE	N.T.S.
DATE	5/07/12
FILE NO.	12-13
SHEET NO.	1

REV. NO.	DATE	DESCRIPTION	BY
-	3/07/13	REVISED PER DOT COMMENTS	JLF

FIBER OPTIC CABLING
FROM 911 CALL CENTER TO JAIL TELECOM ROOM
COVER SHEET

Mallett Consulting, Inc.
10 DEVANT ST., SUITE 180, FAYETTEVILLE, GEORGIA 30214
PHONE: 770-719-3003
FAX: 770-719-9438

6"Ø STEEL CASING (JACK & BORE) SEE SHEET 12 FOR DETAIL

54

STONEWALL AVE. E.

REQUIRED HANDHOLE STA. 21+32, 79' RT STA. 0+74, 33' RT

REQUIRED HANDHOLE STA. 21+23, 70' LT

MATCH LINE SHEET 3

MATCH LINE SHEET 3

NOTE:
IF EXCAVATION IS REQUIRED WITHIN 1,000 FEET OF ANY EXISTING TRAFFIC SIGNAL, CONTACT STAN CHAPMAN, THE DISTRICT 3 SIGNAL ENGINEER, AT PHONE NUMBER 706-646-6689, BEFORE ANY EXCAVATION OCCURS. APPROPRIATE MEASURES SHALL BE TAKEN TO PROTECT THOSE WIRES DURING PERFORMANCE OF THE WORK. THE WORK AUTHORIZED BY THIS PERMIT MAY NOT BEGIN UNTIL TRAFFIC SIGNAL ACTIVATION WIRES/INTERCONNECT HAVE BEEN LOCATED AND IDENTIFIED. ANY TRAFFIC SIGNAL FACILITIES DAMAGED WILL BE REPLACED BY THE PERMITTEE TO THE SATISFACTION OF THE DEPARTMENT.

3' OFFSET FIBER OPTIC CABLE FROM R/W

3' OFFSET FIBER OPTIC CABLE FROM EOP

JOHNSON AVE.

3' OFFSET FIBER OPTIC CABLE FROM EOP

3' OFFSET FIBER OPTIC CABLE FROM R/W

JIMMY MAYFIELD BLVD.

REQUIRED HANDHOLE STA. 13+68, 65' LT

INSTALL 2 - 1.5"Ø CONDUITS, (1) W/FIBER OPTIC CABLE (1) SPARE (DIRECTIONALLY DRILLED) OFFSET 10' FROM R/W

3' OFFSET FIBER OPTIC CABLE FROM EOP

3' OFFSET FIBER OPTIC CABLE FROM R/W

TELECOM ROOM (2nd FLOOR) TERMINATION POINT

FAYETTE COUNTY JAIL

EXISTING HANDHOLE

22' OFFSET FIBER OPTIC CABLE FROM EOP

3' OFFSET FIBER OPTIC CABLE FROM R/W

S. JEFF DAVIS DR.

LEGEND

EXISTING ROW

EXISTING CENTER LINE

PROPOSED CABLE ROUTE

NOTE: SEE SHEETS 13 & 14 FOR S.R. 54 / STONEWALL AVE. CROSS SECTIONS

NOTE:
HANDHOLES SHOWN ON THIS PLAN ARE AT LOCATIONS REQUIRED BY THE OWNER. ADDITIONAL HANDHOLES SHALL BE USED AT LOCATIONS SELECTED BY THE CONTRACTOR. MAXIMUM SPACING OF HANDHOLES SHALL BE AS DESCRIBED IN THE SPECIFICATIONS.

EXISTING HANDHOLE

FAYETTE COUNTY JUSTICE CENTER

NOTE: CONTRACTOR SHALL NOTIFY ENGINEER REGARDING UTILITY CONFLICTS PRIOR TO INSTALLING PROPOSED FIBER OPTIC CABLE & CONDUIT.

GRAPHIC SCALE 1"= 100'

811 Know what's below. Call before you dig.

GEORGIA REGISTERED No. 17687 PROFESSIONAL ENGINEER DAVID W. JAEGER

GSWCC Level II Certification #24056

Mallett Consulting, Inc.
101 DEVANT ST., SUITE 804 FAYETTEVILLE, GEORGIA 30214
PHONE: 770-719-9333
FAX: 770-719-9337

FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER

PROPOSED CABLE ROUTE

REV. NO.	DATE	DESCRIPTION	BY	APP'D
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

LAND LOT –	DESIGN MCI	SCALE 1"=100'-0"	
DISTRICT –	DRAWN JLP	DATE 3/30/2012	
SECTION –			
CITY –	CHECK DWJ	FILE NO. 12110	
COUNTY – FAYETTE	APPROVED DWJ	SHEET NO. 2	
STATE – GEORGIA			

NOTE: CONTRACTOR SHALL NOTIFY ENGINEER REGARDING UTILITY CONFLICTS PRIOR TO INSTALLING PROPOSED FIBER OPTIC CABLE & CONDUIT.

811 Know what's below. Call before you dig.

REV. No.	DATE	DESCRIPTION	BY	APPD
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

LAND LOT –
DISTRICT –
SECTION –
CITY –
COUNTY – FAYETTE COUNTY
STATE – GEORGIA

Mallett Consulting, Inc.
101 DEVANT ST., SUITE 804 FAYETTEVILLE, GEORGIA 30214
PHONE: 770-719-3333
FAX: 770-719-3377

FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER

PROPOSED CABLE ROUTE (CONT.)

DESIGN MCI	SCALE 1"=100'-0"		
DRAWN JLP	DATE 3/30/2012		
CHECK DWJ	FILE NO. 12110		
APPROVED DWJ	SHEET NO. 3		

MATCH LINE SHEET 3

MATCH LINE SHEET 5

N

54

E. LANIER AVE.

WEATHERLY DR.

KNIGHT WAY

ROBINSON DR.

COBBLESTONE BLVD.

AUTUMN GLEN CIR.

REQUIRED HANDHOLE (STA. 39147, 48' Rt)

REQUIRED HANDHOLE (STA. 49145, 48' Rt)

REQUIRED HANDHOLE (STA. 50110, 37' Rt)

REQUIRED HANDHOLE (STA. 55100, 37' Rt)

INSTALL 2 - 1.5"Ø CONDUITS,
(1) W/FIBER OPTIC CABLE
(1) SPARE (DIRECTIONALLY DRILLED)

NOTE: SEE SHEETS 13 & 14 FOR S.R. 54 CROSS SECTIONS

LEGEND

- EXISTING ROW
- EXISTING CENTER LINE
- PROPOSED CABLE ROUTE

NOTE:
HANDHOLES SHOWN ON THIS PLAN ARE AT LOCATIONS REQUIRED BY THE OWNER. ADDITIONAL HANDHOLES SHALL BE USED AT LOCATIONS SELECTED BY THE CONTRACTOR. MAXIMUM SPACING OF HANDHOLES SHALL BE AS DESCRIBED IN THE SPECIFICATIONS.

GEORGIA REGISTERED No. 17687 PROFESSIONAL ENGINEER DAVID W. JARGER

100 0 100 200 300
GRAPHIC SCALE
1" = 100'

NOTE: CONTRACTOR SHALL NOTIFY ENGINEER REGARDING UTILITY CONFLICTS PRIOR TO INSTALLING PROPOSED FIBER OPTIC CABLE & CONDUIT.

811 Know what's below. Call before you dig.

Mallett Consulting, Inc.
101 DEVANT ST., SUITE 804 FAYETTEVILLE, GEORGIA 30214
PHONE: 770-719-9333
FAX: 770-719-9337

FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER

PROPOSED CABLE ROUTE (CONT.)

REV. No.	DATE	DESCRIPTION	BY	APP'D
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

LAND LOT –	
DISTRICT –	
SECTION –	
CITY –	
COUNTY – FAYETTE	
STATE – GEORGIA	

DESIGN MCI	SCALE 1"=100'-0"
DRAWN JLP	DATE 5/30/2012
CHECK DWJ	FILE NO. 12110
APPROVED DWJ	SHEET NO. 4

NOTE:
IF EXCAVATION IS REQUIRED WITHIN 1,000 FEET OF ANY EXISTING TRAFFIC SIGNAL, CONTACT STAN CHAPMAN, THE DISTRICT 3 SIGNAL ENGINEER, AT PHONE NUMBER 706-646-6689, BEFORE ANY EXCAVATION OCCURS. APPROPRIATE MEASURES SHALL BE TAKEN TO PROTECT THOSE WIRES DURING PERFORMANCE OF THE WORK. THE WORK AUTHORIZED BY THIS PERMIT MAY NOT BEGIN UNTIL TRAFFIC SIGNAL ACTIVATION WIRES/INTERCONNECT HAVE BEEN LOCATED AND IDENTIFIED. ANY TRAFFIC SIGNAL FACILITIES DAMAGED WILL BE REPLACED BY THE PERMITTEE TO THE SATISFACTION OF THE DEPARTMENT.

MATCH LINE SHEET 4

MATCH LINE SHEET 6

McDONOUGH RD.

54

E. LANIER AVE.

CALLAWAY RD.

GUARDRAIL

EXISTING CONDUIT

TIE IN EXIST. CONDUIT

EXISTING HANDHOLE

REQUIRED HANDHOLE (STA. 2140, 30' Rt)

REQUIRED HANDHOLE (STA. 6183, 134' Rt)

REQUIRED HANDHOLE (STA. 9316, 55' Rt)

REQUIRED HANDHOLE (STA. 6156, 30' Rt)

INSTALL 2 - 1.5"Ø CONDUITS. (1) W/FIBER OPTIC CABLE (1) SPARE (DIRECTIONALLY DRILLED)

REQUIRED HANDHOLE (STA. 13162, 270' Rt)

INSTALL 2 - 1.5"Ø CONDUITS. (1) W/FIBER OPTIC CABLE (1) SPARE (DIRECTIONALLY DRILLED)

REQUIRED HANDHOLE (STA. 3146, 30' Rt)

REQUIRED HANDHOLE (STA. 3146, 30' Rt)

REQUIRED HANDHOLE (STA. 7616, 59' Rt)

NOTE: SEE SHEETS 13 & 14 FOR S.R. 54 CROSS SECTIONS

LEGEND

EXISTING ROW

EXISTING CENTER LINE

PROPOSED CABLE ROUTE

NOTE:
HANDHOLES SHOWN ON THIS PLAN ARE AT LOCATIONS REQUIRED BY THE OWNER. ADDITIONAL HANDHOLES SHALL BE USED AT LOCATIONS SELECTED BY THE CONTRACTOR. MAXIMUM SPACING OF HANDHOLES SHALL BE AS DESCRIBED IN THE SPECIFICATIONS.

GEORGIA REGISTERED No. 17687 PROFESSIONAL ENGINEER DAVID W. JAEGER

GSWCC Level II Certification #24056

100 0 100 200 300
GRAPHIC SCALE: 1" = 100'

NOTE: CONTRACTOR SHALL NOTIFY ENGINEER REGARDING UTILITY CONFLICTS PRIOR TO INSTALLING PROPOSED FIBER OPTIC CABLE & CONDUIT.

811 Know what's below. Call before you dig.

Mallett Consulting, Inc.
101 DEVANT ST., SUITE 804 FAYETTEVILLE, GEORGIA 30214
PHONE: 770-719-3333
FAX: 770-719-3337

FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER

PROPOSED CABLE ROUTE (CONT.)

REV. NO.	DATE	DESCRIPTION	BY	APP'D
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

LAND LOT –	
DISTRICT –	
SECTION –	
CITY –	
COUNTY – FAYETTE	
STATE – GEORGIA	

DESIGN MCI	SCALE 1"=100'-0"
DRAWN JLP	DATE 3/30/2012
CHECK DWJ	FILE NO. 12110
APPROVED DWJ	SHEET NO. 5

MATCH LINE SHEET 5

N

McDONOUGH RD.

McDONOUGH RD.

McELROY RD.

VOLUNTEER WAY

COUNTY LINE RD.

CHAMPION LN.

COUNTRY FARM RD.

EXISTING HANDHOLE

HAND DIG TRENCH
INSTALL 2 - 1.5"Ø CONDUITS,
(1) W/FIBER OPTIC CABLE
(1) SPARE (DIRECTIONALLY DRILLED)

REQUIRED HANDHOLE
(STA. 3619, 422' TT)

FAYETTE COUNTY
911 CENTER

TELECOM
ROOM

INSTALL 2 - 1.5"Ø CONDUITS,
(1) W/FIBER OPTIC CABLE
(1) SPARE (DIRECTIONALLY DRILLED)

REQUIRED HANDHOLE
(STA. 19145, 260' TT)

REQUIRED HANDHOLE
(STA. 20113, 458' TT)

EXIST.
SOCCER FIELD

REQUIRED HANDHOLE
(STA. 3313, 580' TT)

REQUIRED HANDHOLE
(STA. 27114, 648' TT)

EXIST.
SOCCER FIELD

LEGEND

EXISTING ROW

EXISTING CENTER LINE

PROPOSED CABLE ROUTE

NOTE:
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GEORGIA REGISTERED No. 17687 PROFESSIONAL ENGINEER DAVID W. JAEGER

GSWCC Level II Certification #24056

100 0 100 200 300
GRAPHIC SCALE
1" = 100'

NOTE: CONTRACTOR SHALL NOTIFY ENGINEER REGARDING UTILITY CONFLICTS PRIOR TO INSTALLING PROPOSED FIBER OPTIC CABLE & CONDUIT.

811 Know what's below. Call before you dig.

REV. No.	DATE	DESCRIPTION	BY	APPD
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

LAND LOT –
DISTRICT –
SECTION –
CITY –
COUNTY – FAYETTE
STATE – GEORGIA

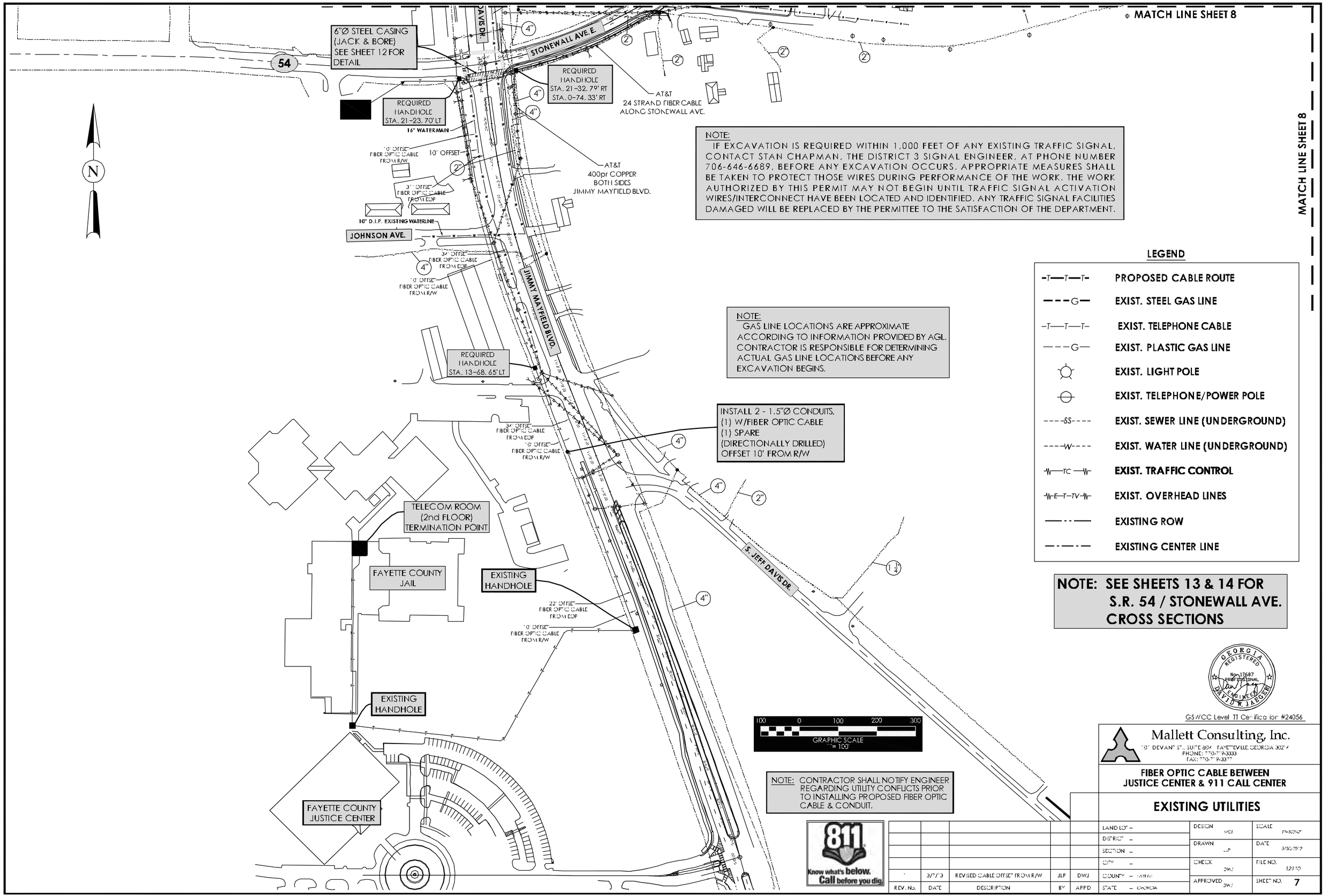
DESIGN MCI
DRAWN JLP
CHECK DWJ
APPROVED DWJ

SCALE 1"=100'-0"
DATE 3/30/2012
FILE NO. 12110
SHEET NO. 6

Mallett Consulting, Inc.
101 DEVANT ST., SUITE 804 FAYETTEVILLE, GEORGIA 30214
PHONE: 770-719-3333
FAX: 770-719-3377

FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER

PROPOSED CABLE ROUTE (CONT.)


MATCH LINE SHEET 8
MATCH LINE SHEET 8
6"Ø STEEL CASING (JACK & BORE) SEE SHEET 12 FOR DETAIL
54
STONEWALL AVE. E.
REQUIRED HANDHOLE STA. 21-32. 79' RT STA. 0-74. 33' RT
REQUIRED HANDHOLE STA. 21-23. 70' LT
AT&T 24 STRAND FIBER CABLE ALONG STONEWALL AVE.
16" WATERMAIN
10' OFFSET
AT&T 400pr COPPER BOTH SIDES JIMMY MAYFIELD BLVD.
10" D.I.P. EXISTING WATERLINE
JOHNSON AVE.
JIMMY MAYFIELD BLVD.
REQUIRED HANDHOLE STA. 13-68. 65' LT
INSTALL 2 - 1.5"Ø CONDUITS, (1) W/FIBER OPTIC CABLE (1) SPARE (DIRECTIONALLY DRILLED) OFFSET 10' FROM R/W
TELECOM ROOM (2nd FLOOR) TERMINATION POINT
FAYETTE COUNTY JAIL
EXISTING HANDHOLE
EXISTING HANDHOLE
FAYETTE COUNTY JUSTICE CENTER
S. JEFF DAVIS DR.
GRAPHIC SCALE 1" = 100'
NOTE: IF EXCAVATION IS REQUIRED WITHIN 1,000 FEET OF ANY EXISTING TRAFFIC SIGNAL, CONTACT STAN CHAPMAN, THE DISTRICT 3 SIGNAL ENGINEER, AT PHONE NUMBER 706-646-6689, BEFORE ANY EXCAVATION OCCURS. APPROPRIATE MEASURES SHALL BE TAKEN TO PROTECT THOSE WIRES DURING PERFORMANCE OF THE WORK. THE WORK AUTHORIZED BY THIS PERMIT MAY NOT BEGIN UNTIL TRAFFIC SIGNAL ACTIVATION WIRES/INTERCONNECT HAVE BEEN LOCATED AND IDENTIFIED. ANY TRAFFIC SIGNAL FACILITIES DAMAGED WILL BE REPLACED BY THE PERMITTEE TO THE SATISFACTION OF THE DEPARTMENT.
NOTE: GAS LINE LOCATIONS ARE APPROXIMATE ACCORDING TO INFORMATION PROVIDED BY AGL. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL GAS LINE LOCATIONS BEFORE ANY EXCAVATION BEGINS.
LEGEND
PROPOSED CABLE ROUTE
EXIST. STEEL GAS LINE
EXIST. TELEPHONE CABLE
EXIST. PLASTIC GAS LINE
EXIST. LIGHT POLE
EXIST. TELEPHONE/POWER POLE
EXIST. SEWER LINE (UNDERGROUND)
EXIST. WATER LINE (UNDERGROUND)
EXIST. TRAFFIC CONTROL
EXIST. OVERHEAD LINES
EXISTING ROW
EXISTING CENTER LINE
NOTE: SEE SHEETS 13 & 14 FOR S.R. 54 / STONEWALL AVE. CROSS SECTIONS
NOTE: CONTRACTOR SHALL NOTIFY ENGINEER REGARDING UTILITY CONFLICTS PRIOR TO INSTALLING PROPOSED FIBER OPTIC CABLE & CONDUIT.
811 Know what's below. Call before you dig.
GEORGIA REGISTERED No. 17687 PROFESSIONAL ENGINEER DAVID W. JAEGER
GSWCC Level 11 Certification #24056
Mallett Consulting, Inc.
FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER
EXISTING UTILITIES
REV. No. | DATE | DESCRIPTION | BY | APP'D
1 | 3/7/13 | REVISED CABLE OFFSET FROM R/W | JLP | DWJ
LAND LOT – | DISTRICT – | SECTION – | CITY – | COUNTY – FAYETTE | STATE – GEORGIA
DESIGN MCI | DRAWN JLP | CHECK DWJ | APPROVED DWJ
SCALE 1"=100'-0" | DATE 3/30/2012 | FILE NO. 12110 | SHEET NO. 7

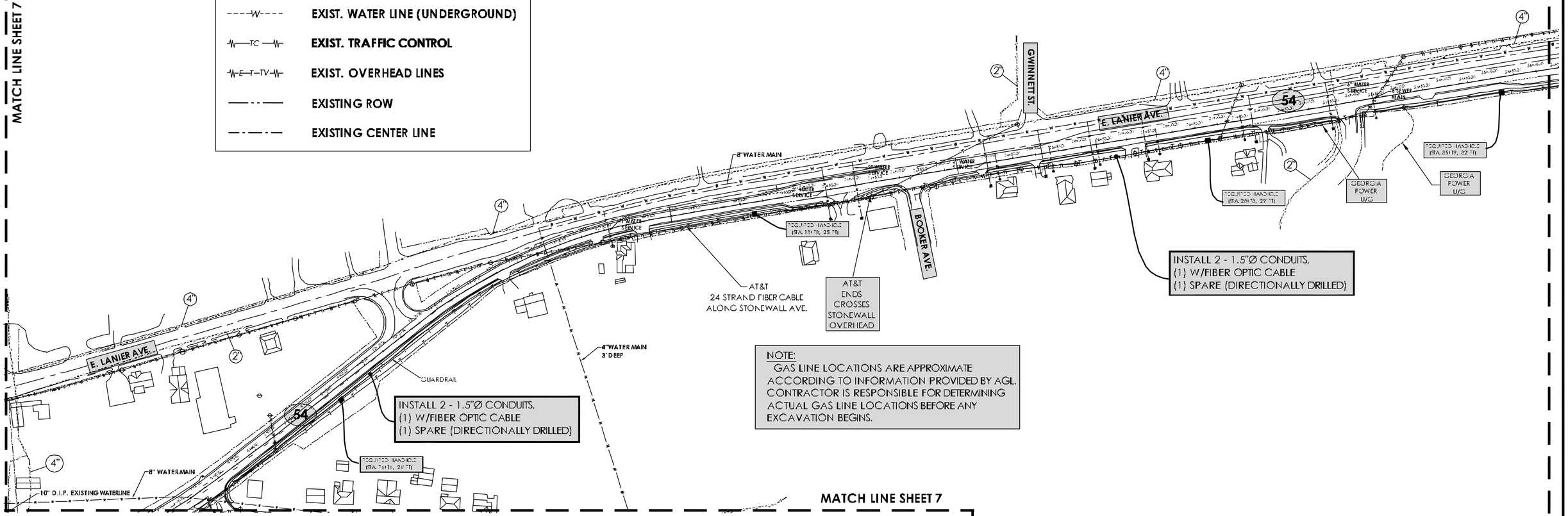
LEGEND

–T—T—T–	PROPOSED CABLE ROUTE
— — — G —	EXIST. STEEL GAS LINE
–T—T—T–	EXIST. TELEPHONE CABLE
— — — G —	EXIST. PLASTIC GAS LINE
	EXIST. LIGHT POLE
	EXIST. TELEPHONE/POWER POLE
- - - -SS- - - -	EXIST. SEWER LINE (UNDERGROUND)
- - - -W- - - -	EXIST. WATER LINE (UNDERGROUND)
—TC—	EXIST. TRAFFIC CONTROL
—E—T—TV—	EXIST. OVERHEAD LINES
—— · · ——	EXISTING ROW
— · — · —	EXISTING CENTER LINE

NOTE: SEE SHEETS 13 & 14 FOR S.R. 54 CROSS SECTIONS

MATCH LINE SHEET 9

MATCH LINE SHEET 7



NOTE:
GAS LINE LOCATIONS ARE APPROXIMATE ACCORDING TO INFORMATION PROVIDED BY AGL. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL GAS LINE LOCATIONS BEFORE ANY EXCAVATION BEGINS.

MATCH LINE SHEET 7

NOTE: CONTRACTOR SHALL NOTIFY ENGINEER REGARDING UTILITY CONFLICTS PRIOR TO INSTALLING PROPOSED FIBER OPTIC CABLE & CONDUIT.

811 Know what's below. Call before you dig.

GRAPHIC SCALE
1" = 100'

GEORGIA REGISTERED No. 17687 PROFESSIONAL ENGINEER DAVID W. JAEGER

Mallett Consulting, Inc.
101 DEVANT ST., SUITE 804 FAYETTEVILLE, GEORGIA 30214
PHONE: 770-719-3333
FAX: 770-719-3337

FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER

EXISTING UTILITIES

REV. NO.	DATE	DESCRIPTION	BY	APP'D
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

LAND LOT –	DESIGN MCI	SCALE 1"=100'-0"	
DISTRICT –	DRAWN JLP	DATE 3/30/2012	
SECTION –			
CITY –	CHECK DWJ	FILE NO. 12110	
COUNTY – FAYETTE COUNTY, GA	APPROVED DWJ	SHEET NO. 8	
STATE – GEORGIA			

MATCH LINE SHEET 8

MATCH LINE SHEET 10

N

ROBINSON DR.

KNIGHT WAY

WEATHERLY DR.

E. LANIER AVE.

COBBLESTONE BLVD.

AUTUMN GLEN CIR.

54

4"

2"

1 1/4"

REQUIRED HANDHOLE (STA. 39147, 43' Rt)

REQUIRED HANDHOLE (STA. 40145, 43' Rt)

REQUIRED HANDHOLE (STA. 50110, 37' Rt)

REQUIRED HANDHOLE (STA. 55100, 37' Rt)

AT&T
12 STRAND FIBER/100pr
COPPER FOLLOWS
U/G POWER

INSTALL 2 - 1.5"Ø CONDUITS,
(1) W/FIBER OPTIC CABLE
(1) SPARE (DIRECTIONALLY DRILLED)

NOTE:
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NOTE: SEE SHEETS 13 & 14 FOR S.R. 54 CROSS SECTIONS

LEGEND

–T—T—T–	PROPOSED CABLE ROUTE
— — —G—	EXIST. STEEL GAS LINE
–T—T—T–	EXIST. TELEPHONE CABLE
— — —G—	EXIST. PLASTIC GAS LINE
	EXIST. LIGHT POLE
	EXIST. TELEPHONE/POWER POLE
----SS----	EXIST. SEWER LINE (UNDERGROUND)
----W----	EXIST. WATER LINE (UNDERGROUND)
—TC—	EXIST. TRAFFIC CONTROL
—E—T—TV—	EXIST. OVERHEAD LINES
—— · · ——	EXISTING ROW
— · — · —	EXISTING CENTER LINE

GEORGIA REGISTERED No. 17687 PROFESSIONAL ENGINEER DAVID W. JAEGER

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811 Know what's below. Call before you dig.

100 0 100 200 300
GRAPHIC SCALE
1"= 100'

REV. No.	DATE	DESCRIPTION	BY	APP'D
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

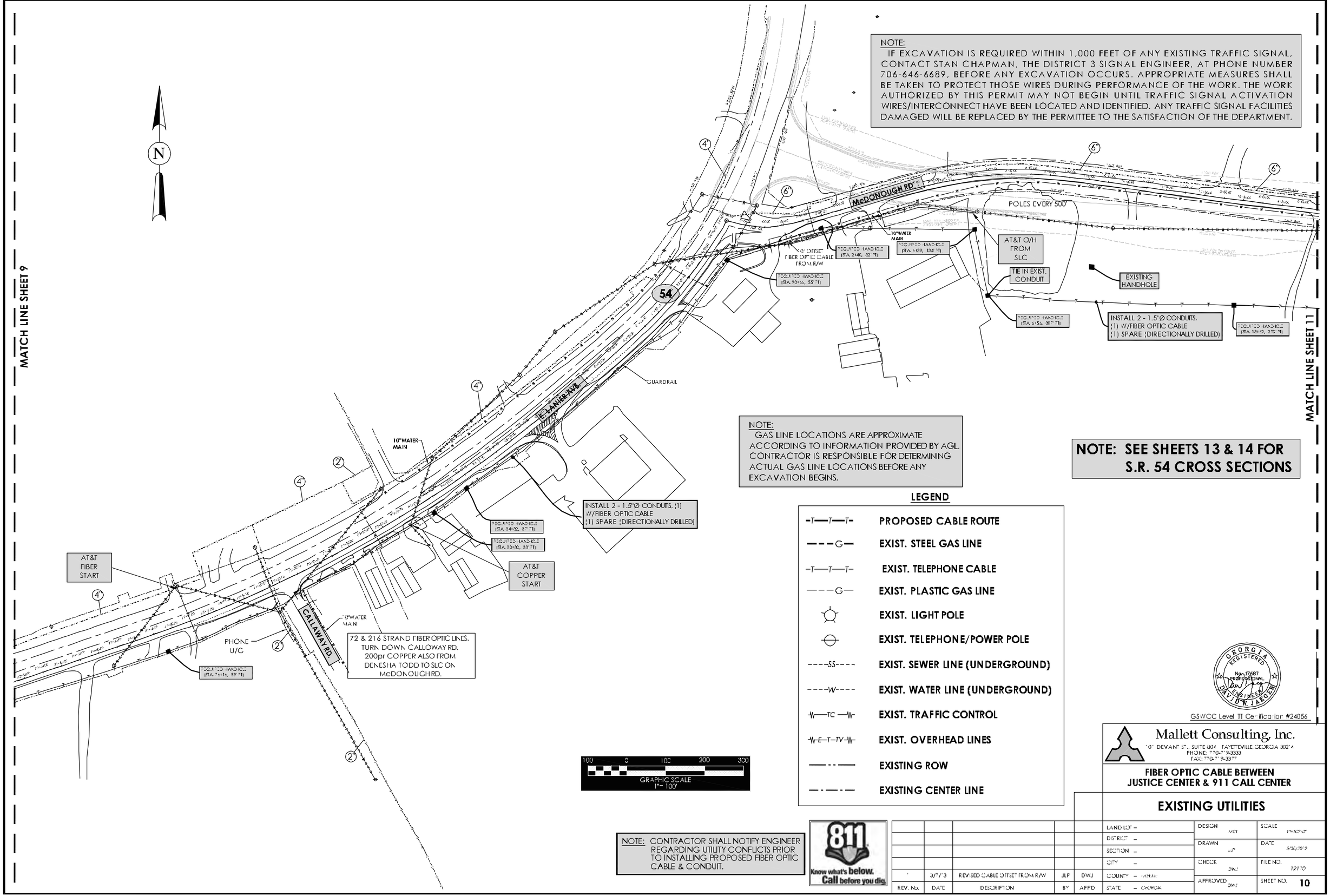
Mallett Consulting, Inc.
160 DEVANT ST., SUITE 804, FAYETTEVILLE, GEORGIA 30214
PHONE: 770-719-9333
FAX: 770-719-9337

FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER

EXISTING UTILITIES

LAND LOT –	DESIGN MCI	SCALE 1"=100'-0"
DISTRICT –	DRAWN JLP	DATE 3/30/2012
SECTION –	CHECK DWJ	FILE NO. 12110
CITY –	APPROVED DWJ	SHEET NO. 9
COUNTY – FAYETTE		
STATE – GEORGIA		

MATCH LINE SHEET 9



MATCH LINE SHEET 11

NOTE:
IF EXCAVATION IS REQUIRED WITHIN 1,000 FEET OF ANY EXISTING TRAFFIC SIGNAL, CONTACT STAN CHAPMAN, THE DISTRICT 3 SIGNAL ENGINEER, AT PHONE NUMBER 706-646-6689, BEFORE ANY EXCAVATION OCCURS. APPROPRIATE MEASURES SHALL BE TAKEN TO PROTECT THOSE WIRES DURING PERFORMANCE OF THE WORK. THE WORK AUTHORIZED BY THIS PERMIT MAY NOT BEGIN UNTIL TRAFFIC SIGNAL ACTIVATION WIRES/INTERCONNECT HAVE BEEN LOCATED AND IDENTIFIED. ANY TRAFFIC SIGNAL FACILITIES DAMAGED WILL BE REPLACED BY THE PERMITTEE TO THE SATISFACTION OF THE DEPARTMENT.

NOTE:
GAS LINE LOCATIONS ARE APPROXIMATE ACCORDING TO INFORMATION PROVIDED BY AGL. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL GAS LINE LOCATIONS BEFORE ANY EXCAVATION BEGINS.

NOTE: SEE SHEETS 13 & 14 FOR S.R. 54 CROSS SECTIONS

LEGEND

-T—T—T-	PROPOSED CABLE ROUTE
— - - G —	EXIST. STEEL GAS LINE
-T—T—T-	EXIST. TELEPHONE CABLE
— - - G —	EXIST. PLASTIC GAS LINE
	EXIST. LIGHT POLE
	EXIST. TELEPHONE/POWER POLE
- - - - SS - - - -	EXIST. SEWER LINE (UNDERGROUND)
- - - - W - - - -	EXIST. WATER LINE (UNDERGROUND)
—TC—	EXIST. TRAFFIC CONTROL
—E—T—TV—	EXIST. OVERHEAD LINES
— · · —	EXISTING ROW
— · — · —	EXISTING CENTER LINE

NOTE: CONTRACTOR SHALL NOTIFY ENGINEER REGARDING UTILITY CONFLICTS PRIOR TO INSTALLING PROPOSED FIBER OPTIC CABLE & CONDUIT.

811 Know what's below. Call before you dig.

GEORGIA REGISTERED No. 17687 PROFESSIONAL ENGINEER DAVID W. JAEGER

GSWCC Level II Certification #24056

Mallett Consulting, Inc.
101 DEVANT ST., SUITE 804, FAYETTEVILLE, GEORGIA 30214
PHONE: 770-719-3333
FAX: 770-719-3377

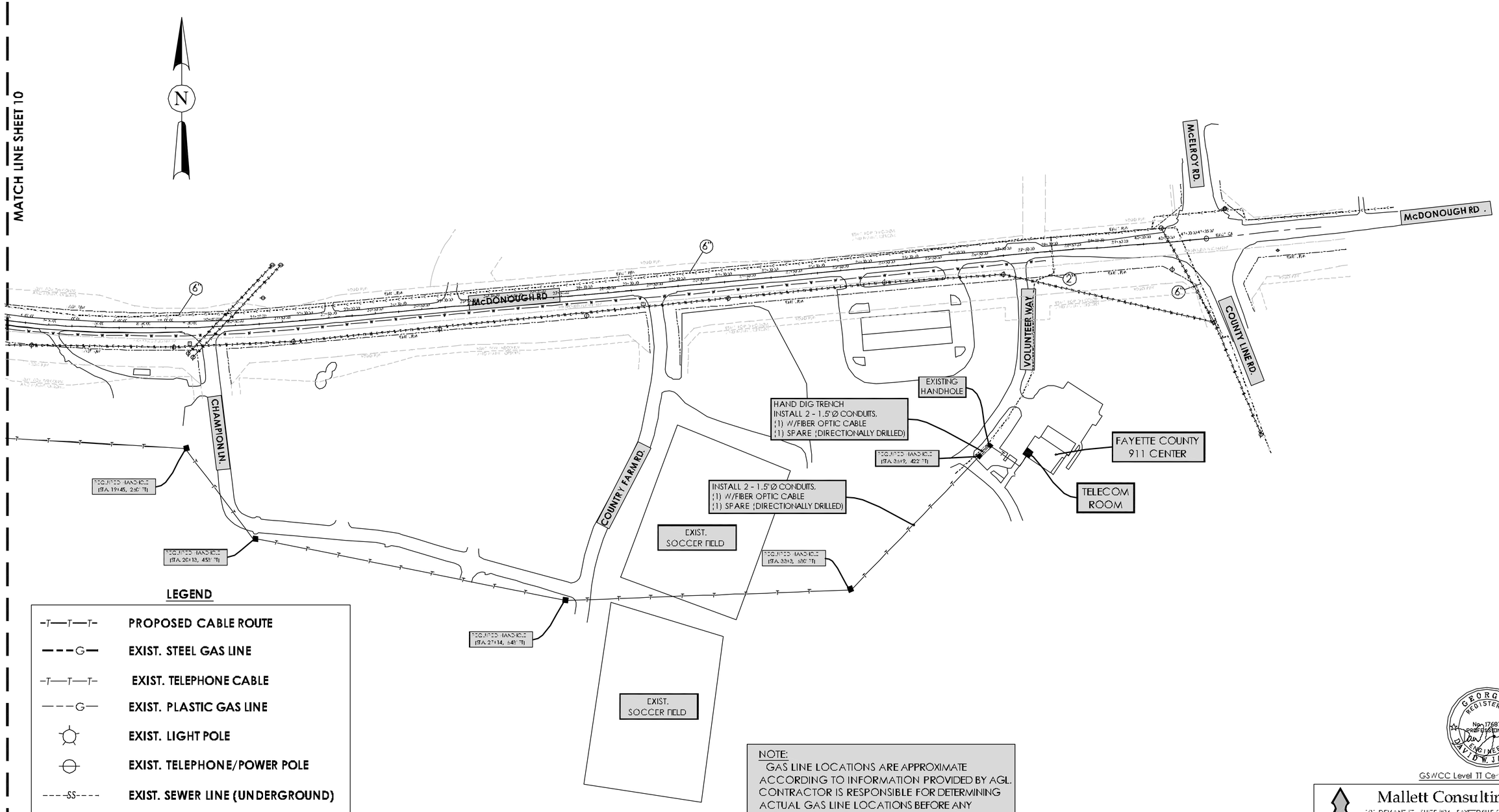
FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER

EXISTING UTILITIES

REV. No.	DATE	DESCRIPTION	BY	APP'D
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

LAND LOT –	DESIGN MCI	SCALE 1"=100'-0"	
DISTRICT –	DRAWN JLP	DATE 3/30/2012	
SECTION –			
CITY –	CHECK DWJ	FILE NO. 12110	
COUNTY – FAYETTE	APPROVED DWJ	SHEET NO. 10	
STATE – GEORGIA			

MATCH LINE SHEET 10



LEGEND

-T—T—T-	PROPOSED CABLE ROUTE
— — — G —	EXIST. STEEL GAS LINE
-T—T—T-	EXIST. TELEPHONE CABLE
— — — G —	EXIST. PLASTIC GAS LINE
	EXIST. LIGHT POLE
	EXIST. TELEPHONE/POWER POLE
- - - -SS- - - -	EXIST. SEWER LINE (UNDERGROUND)
- - - -W- - - -	EXIST. WATER LINE (UNDERGROUND)
—TC—	EXIST. TRAFFIC CONTROL
—E—T—TV—	EXIST. OVERHEAD LINES
— · · —	EXISTING ROW
— · — · —	EXISTING CENTER LINE

NOTE:
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811 Know what's below. Call before you dig

100 0 100 200 300
GRAPHIC SCALE
1"= 100'

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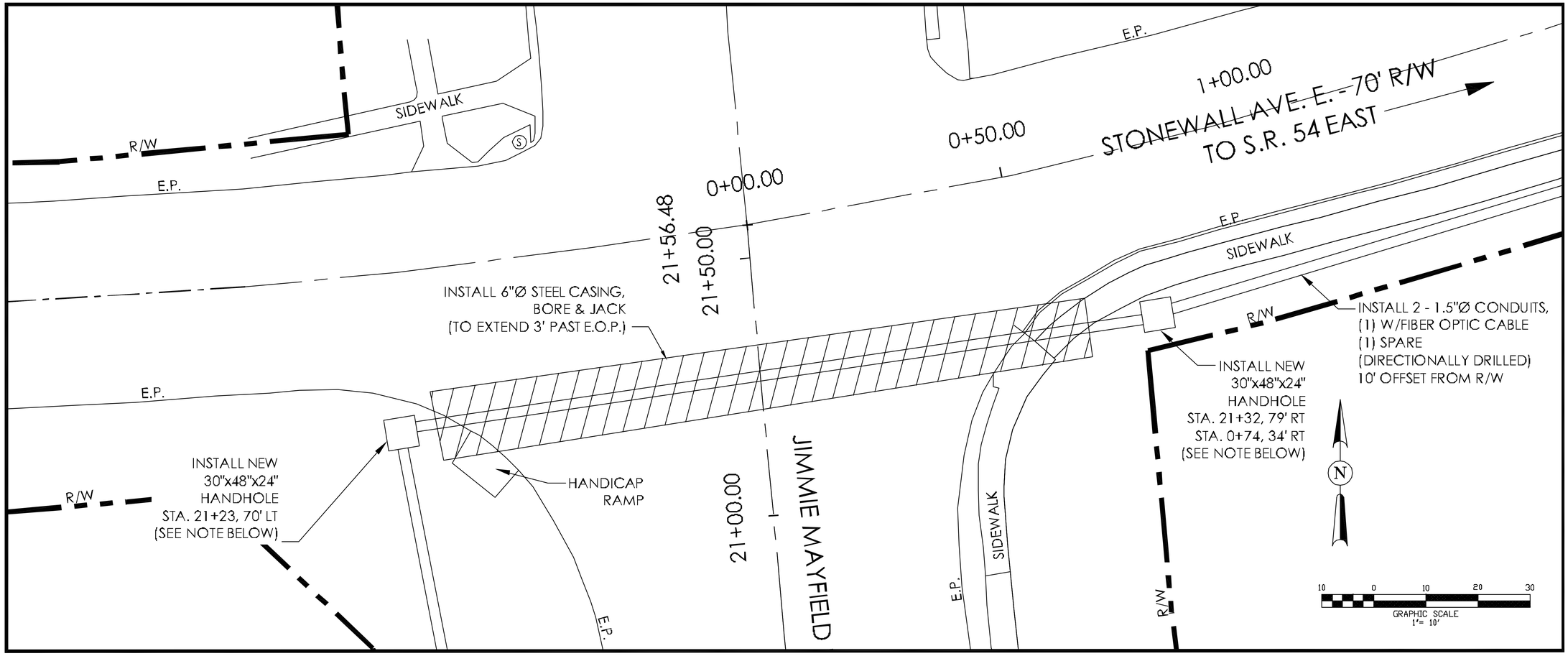
FAX: 770-719-3377

FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER

EXISTING UTILITIES

REV. NO.	DATE	DESCRIPTION	BY	APP'D
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

LAND LOT –	DESIGN MCI	SCALE 1"=100'-0"	
DISTRICT –	DRAWN JLP	DATE 3/30/2012	
SECTION –	CHECK DWJ	FILE NO. 12110	
CITY –	APPROVED DWJ	SHEET NO. 11	
COUNTY – FAYETTE			
STATE – GEORGIA			



GENERAL NOTES - HIGHWAY BORE CROSSING

1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH GEORGIA DEPARTMENT OF TRANSPORTATION AND FAYETTE COUNTY STANDARDS, SPECIFICATIONS, AND REGULATIONS (PER GEORGIA DEPARTMENT OF TRANSPORTATION JURISDICTION).

2. ANY EXISTING UTILITIES SHOWN ARE APPROXIMATE AND DO NOT NECESSARILY REPRESENT ALL EXISTING UTILITIES. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGED UTILITIES SHALL BE REPAIRED AT NO ADDITIONAL COST TO FAYETTE COUNTY. NO COMPENSATION WILL BE MADE FOR DELAYS DUE TO EXISTING UTILITIES.

3. CONTRACTOR IS ADVISED TO VISIT THE PROPOSED ALIGNMENT IN ORDER TO FAMILIARIZE HIMSELF WITH FIELD CONDITIONS, UTILITY LOCATIONS, AND AREAS OF POSSIBLE ROCK EXCAVATION.

4. THE BORING CONTRACTOR SHALL CONFORM TO ALL APPLICABLE GEORGIA DEPARTMENT OF TRANSPORTATION AND FAYETTE COUNTY SEDIMENT AND EROSION CONTROL MEASURES IN THE PERFORMANCE OF THE INDICATED WORK.

5. EROSION CONTROL WILL BE STRICTLY ENFORCED THROUGHOUT THE WORK. CONTRACTOR SHALL SUPPLY AND INSTALL SILTING FENCING, HAY BALES, MULCH MATS, SLOPE STABILIZATION FABRIC, RIPRAP, TEMPORARY AND PERMANENT GRASSING AS REQUIRED TO PREVENT EROSION UNTIL PERMANENT GRASSING HAS BEEN FULLY ESTABLISHED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED, REINSTALLED OR RESEEDED AS DIRECTED BY THE ENGINEER. COST FOR EROSION CONTROL REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ASSOCIATED WORK.

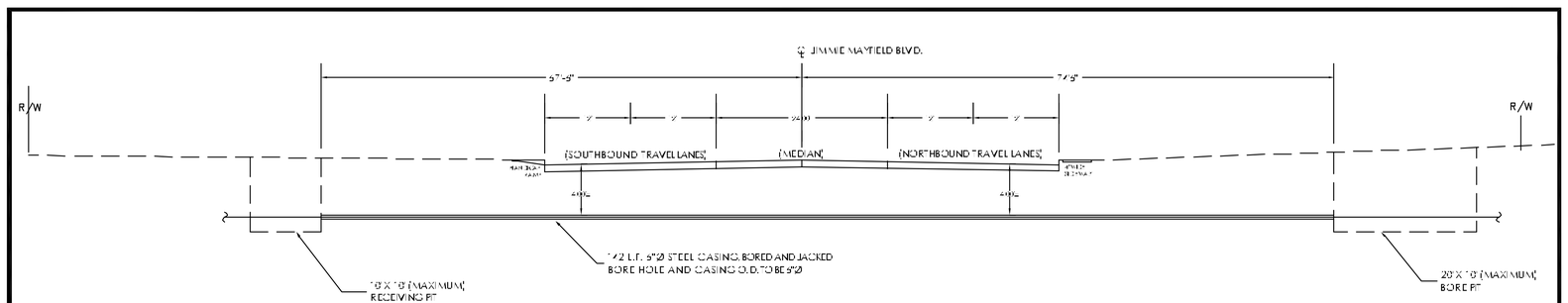
6. CONTRACTOR SHALL PRESERVE, REPAIR AND/OR REPLACE ALL PROPERTY PINS, SIGNS, DRIVEWAYS, MAILBOXES, CULVERTS, GRASSING, FENCES, LANDSCAPING, SOD, AND MISC. PLANTINGS OR STRUCTURES SUCH THAT THE DISTURBED AREAS ARE RETURNED TO THEIR ORIGINAL CONDITION OR BETTER. THIS SHALL BE DONE AT NO ADDITIONAL COST, UNLESS SPECIFIED IN THE BID SCHEDULE.

7. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENTIAL AND COMMERCIAL PROPERTIES THROUGHOUT THE WORK.

8. CONTRACTOR SHALL COORDINATE WITH GEORGIA POWER COMPANY AND/OR COWETA-FAYETTE EMC FOR TEMPORARY POWER POLE SUPPORT IN AREAS WHERE GUY WIRES CONFLICT WITH THE BORING. THIS WILL BE DONE AT NO ADDITIONAL COST.

9. CONTRACTOR WILL COORDINATE WITH GEORGIA POWER COMPANY AND/OR COWETA-FAYETTE EMC FOR SHIELDING OF POWER LINES AND/OR TEMPORARY REMOVAL AND REPLACEMENT OF OVERHEAD LINES OR POLES WHICH MAY CONFLICT WITH THE BORING INSTALLATION. THIS SHALL BE DONE AT NO ADDITIONAL COST.

10. FINAL GRADING SHALL BE DONE BY LANDSCAPE TRACTOR OR BY SIMILAR EQUIPMENT TO PROVIDE A SMOOTH, UNIFORM SURFACE FREE OF ROCKS, DIRT CLODS, AND OTHER DEBRIS. NO ADDITIONAL PAYMENT WILL BE MADE TO MEET THIS REQUIREMENT.



SECTION OF JIMMIE MAYFIELD BLVD. @ PROPOSED FIBER OPTIC BORE (FACING NORTH)

H: 1"=10', V: 1"=10'

NOTE: ALL HANDHOLES TO BE PLACED NO MORE THAN 1000 FEET APART FOR LOCATING PURPOSES.

NOTE: CONTRACTOR SHALL NOTIFY ENGINEER REGARDING UTILITY CONFLICTS PRIOR TO INSTALLING PROPOSED FIBER OPTIC CABLE & CONDUIT.

811 Know what's below. Call before you dig

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GSWCC Level II Certification #24056

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160 DEVANT ST., SUITE 800, FAYETTEVILLE, GEORGIA 30214
PHONE: 770-719-3333
FAX: 770-719-3377

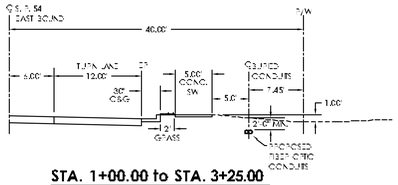
FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER

JIMMIE MAYFIELD BLVD. BORE CROSSING DETAILS

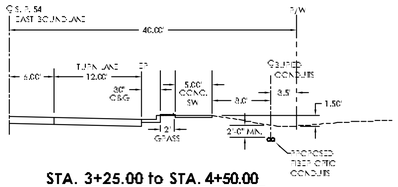
REV. No.	DATE	DESCRIPTION	BY	APP'D
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

LAND LOT –
DISTRICT –
SECTION –
CITY –
COUNTY – FAYETTE
STATE – GEORGIA

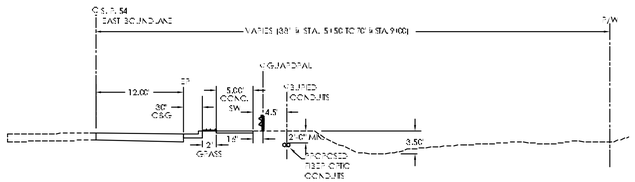
DESIGN MCI	SCALE 1"=10'-0"
DRAWN JLP	DATE 3/30/2012
CHECK DWJ	FILE NO. 12110
APPROVED DWJ	SHEET NO. 12



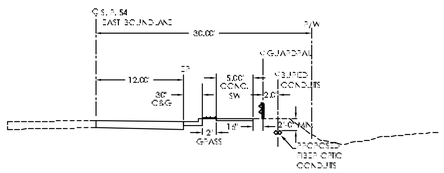
STA. 1+00.00 to STA. 3+25.00



STA. 3+25.00 to STA. 4+50.00



STA. 5+50.00 to STA. 9+00.00



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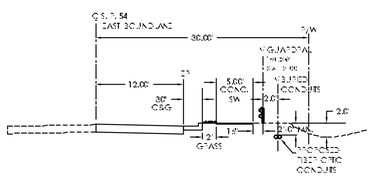
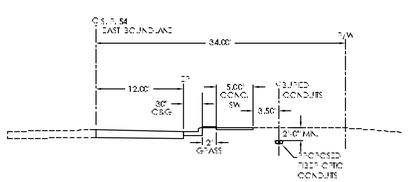
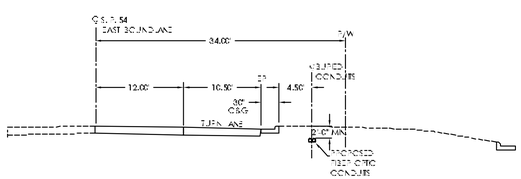


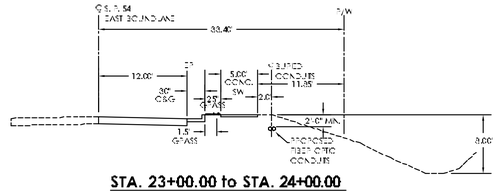
STA. 11+00.00 to STA. 12+50.00



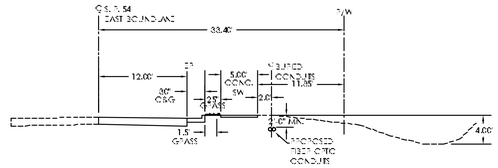
STA. 13+50.00 to STA. 19+00.00



STA. 19+50.00 to STA. 21+00.00



STA. 23+00.00 to STA. 24+00.00



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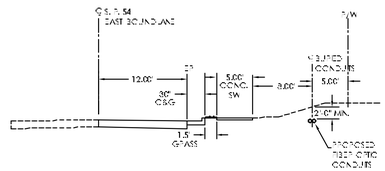

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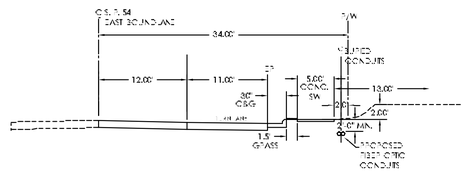

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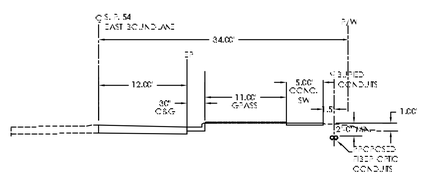

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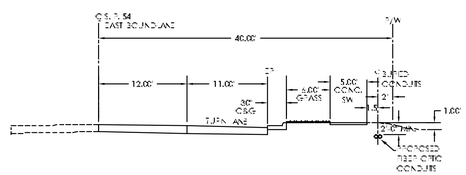
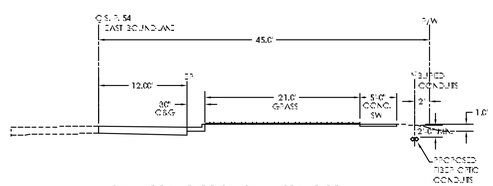
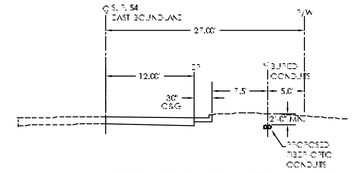


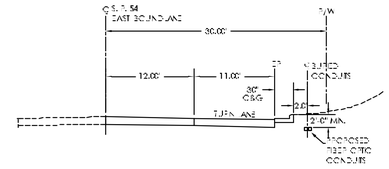
STA. 35+50.00 to STA. 39+00.00



STA. 39+50.00 to STA. 40+50.00



STA. 41+00.00 to STA. 42+25.00



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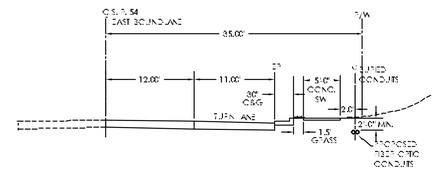

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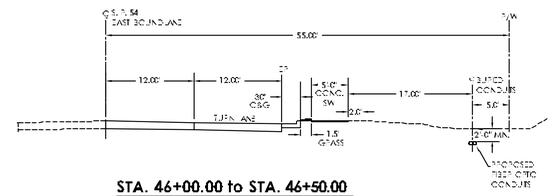

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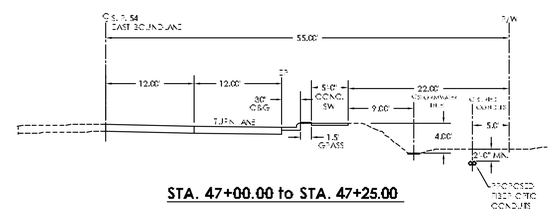

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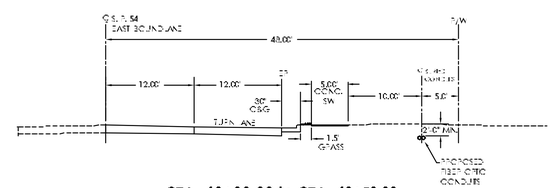

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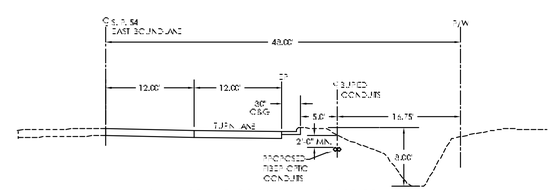
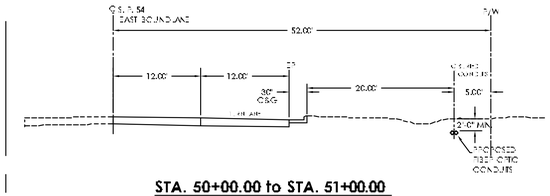
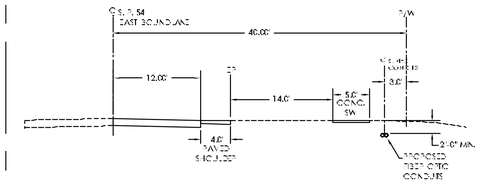


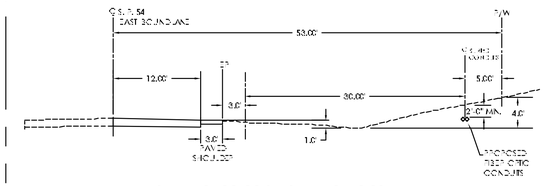
STA. 49+50.00 to STA. 50+00.00



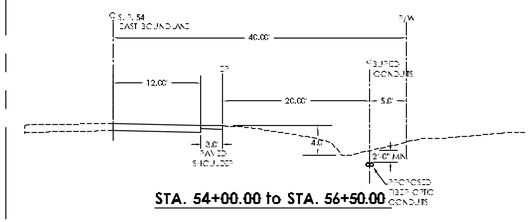
STA. 50+00.00 to STA. 51+00.00



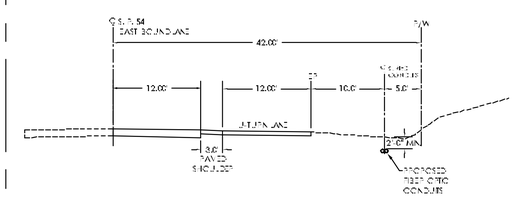
STA. 52+00.00 to STA. 52+75.00



STA. 53+00.00 to STA. 53+50.00



STA. 54+00.00 to STA. 56+50.00



STA. 57+00.00 to STA. 57+88.00

GEORGIA REGISTERED No. 17687 PROFESSIONAL ENGINEER DAVID W. JAEGER

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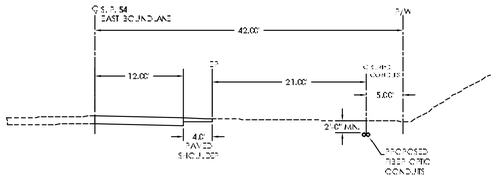
FIBER OPTIC CABLE BETWEEN JUSTICE CENTER & 911 CALL CENTER

S.R. 54 EAST CROSS SECTIONS

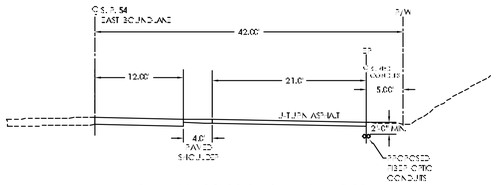
REV. No.	DATE	DESCRIPTION	BY	APP'D
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

LAND LOT –	DESIGN MCI	SCALE 1"=10'-0"	
DISTRICT –	DRAWN JLP	DATE 2/20/2012	
SECTION –	CHECK DWJ	FILE NO. 12110	
CITY –	APPROVED DWJ	SHEET NO. 13	
COUNTY – FAYETTE			
STATE – GEORGIA			

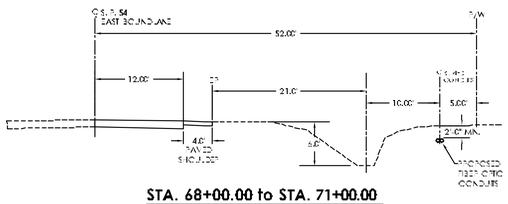
811 Know what's below. Call before you dig.



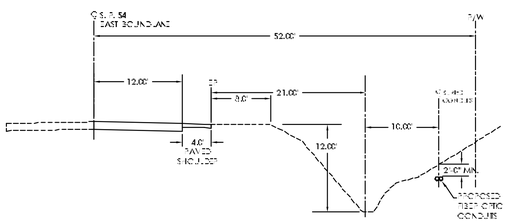
STA. 58+00.00 to STA. 66+00.00



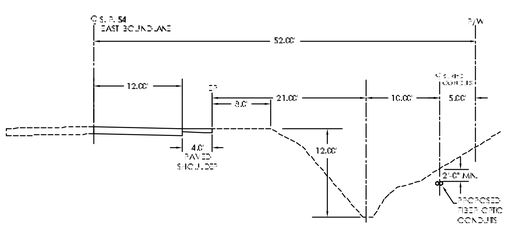
STA. 66+00.00 to STA. 67+50.00



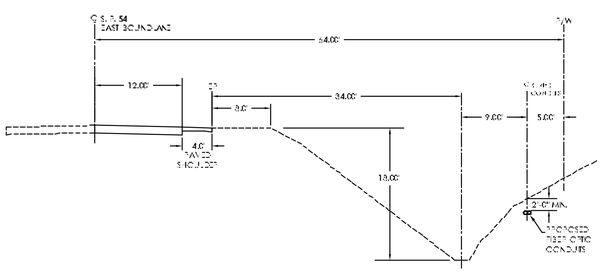
STA. 68+00.00 to STA. 71+00.00



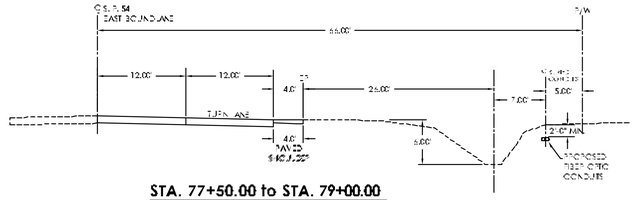
STA. 71+50.00 to STA. 73+50.00



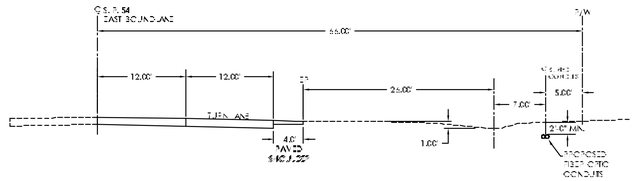
STA. 71+50.00 to STA. 73+50.00



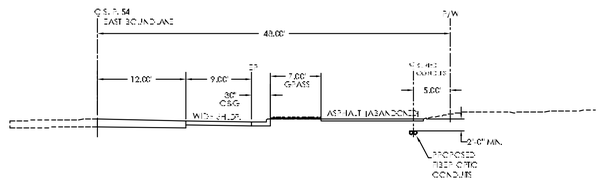
STA. 74+00.00 to STA. 77+50.00



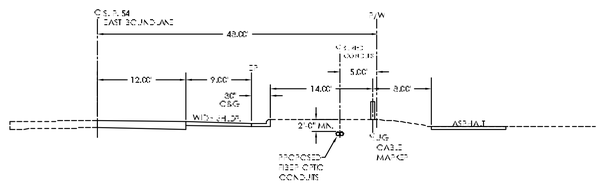
STA. 77+50.00 to STA. 79+00.00



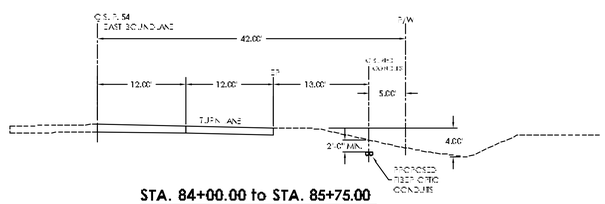
STA. 79+50.00 to STA. 80+00.00



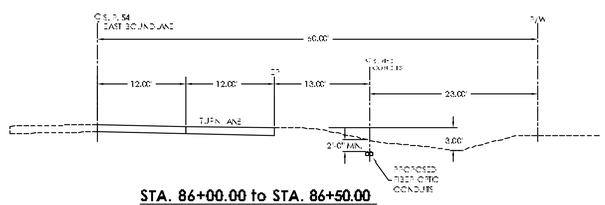
STA. 80+25.00 to STA. 81+50.00



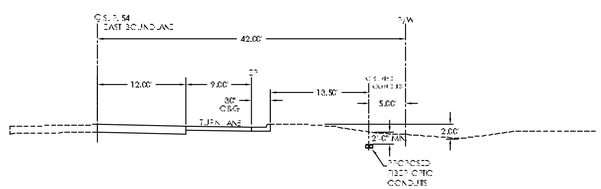
STA. 82+00.00 to STA. 83+25.00



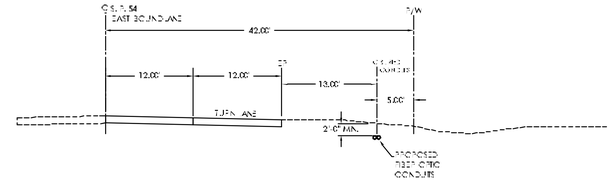
STA. 84+00.00 to STA. 85+75.00



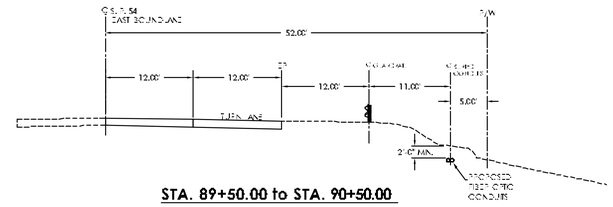
STA. 86+00.00 to STA. 86+50.00



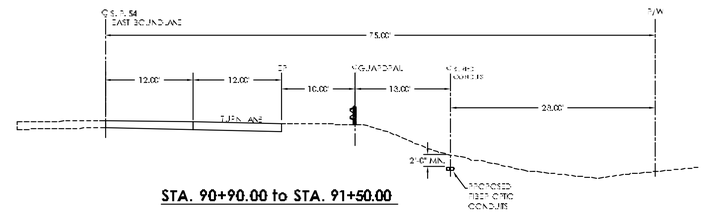
STA. 87+00.00 to STA. 88+25.00



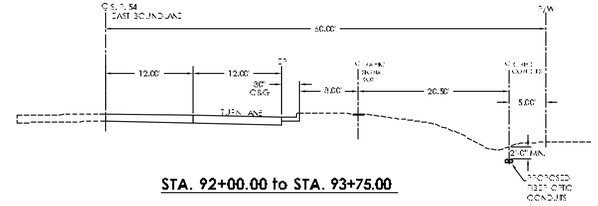
STA. 88+50.00 to STA. 89+25.00



STA. 89+50.00 to STA. 90+50.00



STA. 90+90.00 to STA. 91+50.00



STA. 92+00.00 to STA. 93+75.00

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S.R. 54 EAST CROSS SECTIONS (CONT)

811 Know what's below. Call before you dig.

REV. No.	DATE	DESCRIPTION	BY	APPD
1	3/7/13	REVISED CABLE OFFSET FROM R/W	JLP	DWJ

LAND LOT –	
DISTRICT –	
SECTION –	
CITY –	
COUNTY – FAYETTE	
STATE – GEORGIA	

DESIGN MCI	SCALE 1"=10'-0"
DRAWN JLP	DATE 5/30/2012
CHECK DWJ	FILE NO. 12110
APPROVED DWJ	SHEET NO. 14