



159 SW Spencer Court, Suite 106
Lake City, Florida 32024

Subsurface Utility Engineering Field Report

I-10 Mobile River Bridge
At US 98 (Battleship Pkwy.), Madison St., Canal St., and Elmira St.
ALDOT project No.: DPI-I010
Mobile, Alabama
Cardno project No.: AL095.001.02
October 24, 2017
Revised: January 22, 2018
Revised: July 17, 2018

1) Subsurface Utility Designating:

Cardno provided ASCE Quality Level "B" Designating marking (paint/flag) of the existing subsurface utilities at locations identified on highlighted drawings provided by the Alabama Department of Transportation.

- Along the North side of US 98 Mid Bay (Battleship Pkwy.)
- Along both sides of Madison St., Right-of-Way to Right-of-Way from Royal St. east to the Mobile River
- Along both sides of Canal St., Right-of-Way to Right-of-Way from Water St. east to the Mobile River
- Along both sides of Elmira St., Right-of-Way to Right-of-Way from South Conception St. east to the Mobile River, not to include Railroad track car storage area
- 1/3/2018: ALDOT requested additional ASCE Quality Level "B" Designating along Old Water St./CSX Railroad Right-of-Way, north of Madison St.

Subsurface Utility Locating:

[REDACTED]

1/13/2018 – 1/26/2018:

Cardno performed ASCE Quality Level "A" Locating (VVH/ Test Holes) as per conflict locations requested and confirmed by ALDOT on 1/3/2018. As Cardno was performing VVH Test holes at requested locations, there were some locations that fell within 25 feet of encroaching on CSX Railroad Right-of-Way. Cardno made contact with ALDOT, which directed Cardno to proceed with CSX Permit & Right of Entry on CSX Right-of-Way.

7/9/2018 – 7/12/2018:

Once Cardno received CSX Permit, CSX Safety Training to work along CSX Right-of-Way, and established CSX Roadmaster Flagman, date, time, and scheduling, Cardno performed ASCE Quality Level "A" Locating (VVH/ Test Holes) along CSX Railroad, Old Water St. at Elmira, Canal, and north of Madison St.

Survey of the Subsurface Utility Designating:

Survey of the ASCE Quality Level "B" Designating performed by Cardno is tied to control set by the Alabama Department of Transportation and provided to Cardno by Mr. Edwin Perry.

Survey of the Subsurface Utility Locating:

[REDACTED]

1/25/2018 & 1/26/2018:

Cardno performed Survey of the ASCE Quality Level "A" Locating results.

7/11/2018 & 7/12/2018:

Cardno performed Survey of the ASCE Quality Level "A" Locating results

- 2) One Call "Dig" Tickets were entered for this project: Ticket Numbers 172751305, 172861490, 172861498, and 172861499 on October 2, 2017 and up-dated on October 13, 2017 and January 12, 2018. New One Call "Dig" Tickets were entered: Ticket numbers 181800630, 181800657 and 181800677 on June 29, 2018 ***See Attached***
- 3) C-Spire Fiber – Donald Womack (Magnolia Brothers Utility Consultants) – met on-site, discussed project limits and determined that their C-Spire fiber was not in conflict within our ASCE Quality Level "B" Designating project limits.
- 4) Level 3 – Tanya Martinez (Locate Technician) – met on-site, discussed their Level 3 facilities at US 98 (Battleship Pkwy.). Tanya stated that their Level 3 runs along with AT&T-Next GEN fiber system. This conduit system has (24) 1¼", in a 14" Casing, and (6) 4" or 6" conduits, that includes several fiber companies (Level 3 and AT&T Next GEN facilities). Tanya mentioned that the best signal and way to tone this fiber system is to have AT&T send their dial up signal on their AT&T line. No utility record drawings were provided to Cardno for Level 3 facilities.

Level 3 – Mike Williams (Locate Technician) – met on-site and discussed their Level 3 facilities in the area near Canal St.

- 5) City of Mobile Water & Sewer System – Lee Phillips (Locate Technician) – met on-site, discussed their water and sewer facilities within our ASCE Quality Level "B" Designating project limits at the (4) locations. The water main at US 98 (Battleship Pkwy.) is newly installed and still being constructed at this time. This water main is HDPE directional bored at 90 feet +- deep, going under I-10 and floating in the bay. There was a steel casing that was directional bored going under I-10 to the west and east side along the north side of US 98, that will not be useable, due to collapse of pipe while directional bore. Lee was able to provide Mobile Water & Sewer drawings for areas of downtown areas (Madison, Canal, and Elmira). At the end of Canal St., going across Mobile River, there are (2) Water Mains and (2) Force Mains. These lines are shown on our survey as Quality Level "D" (QL-D), as per Mobile Water & Sewer drawings. These (4) lines are just north of our project limits at this location.

1/15/2018 & 1/16/2018: Cardno made contact with Lee about the 8" PVC Water Main at the intersection of Elmira St. & Emmanuel St. Lee stated that the prints were old and could be incorrect. There have been locations where the City of Mobile drawings have shown utilities from As-Built drawings that have not been or they were never installed. Lee continued to assist us in our attempt to verify the water main in the intersection of Elmira and Emmanuel St. Lee stated there were some measurements of this water main being 6 ft. from the back of curb, which we performed search efforts, but was still unable to verify. Lee met us on-site, allowing us to take photos of the City of Mobile Water & Sewer drawings for the project.

- 6) Mobile Gas Services – Locate Technician marked their Gas Main along US 98 (Battleship Pkwy.) that stubs out just west of I-10 overpass. Cardno could not detect this gas main, therefore this line is being shown as Quality Level "D" (QL-D), as per One Call marks. For the areas of downtown (Madison, Canal, and Elmira) the locator provided us with their Mobile Gas record drawings (in project field file). Some of their gas facilities are plastic with no tracer wire and/or metallic tape to be able to tone. Cardno was able to detect some of these lines to a certain point and the remaining lines are being shown as Quality Level "D" (QL-D), as per record drawings provided.
- 7) CenturyLink (Qwest)/ Madison River Fiber System – Carl (Locate Technician) – met on-site, discussed their fiber system within our ASCE Quality Level "B" Designating project limits. Carl verified the location of the CenturyLink (Qwest) fiber along the north side of US 98 (Battleship Pkwy.). Carl mentioned that CenturyLink (Qwest) did have a small amount of buried fiber within the areas of downtown (Madison, Canal, and Elmira) in which we were able to verify. No utility record drawings were provided to Cardno for CenturyLink (Qwest)/ Madison River facilities.

7/9/2018 – 7/12/2018: Carl stayed on-site while we performed VVH Test Holes on CenturyLink (Qwest) facilities along CSX Railroad Right of Way. Carl assisted us with verification of their fiber and stated that it was deep throughout this area (electronic depths between 7 ft. to 17 ft. deep). Carl stated the CenturyLink (Qwest) fiber system was (4) conduits - 2" Orange, 1½" Black, Blue, and Green conduits. Location near Canal, unable to verify, electronic depths, were from 12 ft. - 17 ft. in depth.

- 8) AT&T – Transmission – Kevin (Locate Technician) – made contact with Kevin to discuss their AT&T – Transmission facilities within our project limits of US 98 (Battleship Pkwy.). Kevin stated that this fiber system was hard to tone, too deep, but does not run out in the bay. Kevin was able to send Cardno the as-built drawings for this fiber duct system. Cardno shows this AT&T – Transmission fiber system on survey as Quality Level "D" (QL-D), as per record drawings.

- 9) AT&T – Distribution – Chris - CIG (Consolidated Locate Technician) – met on-site to discuss and verify the AT&T – Distribution facilities within our ASCE Quality Level “B” Designating project limits. Chris provided record drawings of AT&T-Dist. facilities, he mentioned that there have been some lines that have been placed aerial, but shown as being buried within these drawings (within the downtown areas – Madison, Canal, and Elmira). Chris later mentioned and confirmed a telephone duct that runs on the north side of US 98 (Battleship Pkwy.) that is not on the AT&T record drawings. Cardno found a manhole inside the project limits just east of I-10 and another manhole west of project limits going back towards Mobile. Cardno was able to tone sections of this AT&T telephone duct, but had to show sections as Quality Level “D” (QL-D) in the areas that could not be detected.

1/16/2018: Cardno met Chris on-site, discuss project (VVH Test Hole locations) and had him to confirm the AT&T - Dist. facilities within project. Chris did mark some of the AT&T - Dist. utilities within project limits.

- 10) AT&T – Next GEN – provide record drawings/ as-built of their fiber system within the US 98 (Battleship Pkwy.) portion of project.
- 11) No contact or record drawings were provided for Alabama Power, Interstate Fiber, Southern Light, Comcast, Windstream, or Telepak Networks.
- 12) Within the areas of the shipyards; at the end of Madison St., Canal St., and Elmira St., there are several broken, old, and abandoned utilities that could not be detected. Cardno performed scans with electromagnetic equipment and ground penetrating radar (GPR) within these areas. At the end of Elmira St., within the World Marina shipyard, the facility maintenance person stated that there were so many utilities that could not be detected, that have been there for many years – no one will be able to find or determine the location of these utilities using Subsurface Utility locating equipment. Cardno did take photos of these shipyard areas.
- 13) A T.W.I.C. Card (Transportation Worker Identification Credential) is required to access the shipyard areas at the end of Madison St., Canal St. and Elmira St.
- 14) USIC – locator for Mobile Gas and Alabama Power – Dalmar - met on-site to discuss the Gas Main that we were searching for at Old Water St. & Canal St. Dalmar did provide us with a drawing showing this gas main, but unable to get a good signal to assist us in verifying the location of this gas main. The hand drawing provided had some measurements and indicated this being a 4" Plastic/PE line.
- 15) USIC – locator for AT&T – Distribution – Nelson – met on-site, discussed project and re-marked AT&T within the locations that we were performing VVH Test Holes; CSX Railroad Tracks/ Old Water St. at Elmira, Canal, and north of Madison St.
- 16) MCI/ Verizon – Danny Woodham – met and stayed on-site while we performed VVH Test Holes on MCI/ Verizon facilities along CSX Railroad Right of Way. Danny assisted us with verification of their fiber and confirmed the size, material, of the MCI/ Verizon fiber as being a 2" PVC conduit, and that it did run into a 4½" Steel casing near Canal St.

From: contractor@alcal.net
To: [Steven Abbott](#)
Subject: Alabama 811 Locate Request 172751305
Date: Monday, October 2, 2017 11:40:46 AM

To update this locate request please click [here](#) to go to the Alabama 811 Web Portal.

Alabama 811 Locate Request

Ticket Number:	172751305	Old Ticket:	
Source:	PortalTicket	Hours Notice:	48
Type:	Normal	Taken Date:	10/2/2017 10:39:53 AM
Update On:	10/16/17	Good Through:	10/18/17

Company Information

Excavator:	Cardno, Inc.	Type:	Contractor
Address:	159 SW Spencer Court, Suite 106	Contact:	Steven Abbott
City, St, Zip:	Lake City, FL 32024	Contact Phone:	(386) 755-3626
Phone:	(386) 755-2626	Caller:	Steven Abbott
Fax:		Caller Phone:	(386) 755-3626
Callback:			
Caller Email:	STEVE.ABBOTT@CARDNO.COM		
Contact Email:	STEVE.ABBOTT@CARDNO.COM		

Work Information

State:	AL	Work Date:	10/4/2017 10:45:00 AM
County:	BALDWIN	Done For:	ALDOT
City/Town:	SPANISH FORT	Job#:	DPI-1010
Address:	BATTLESHIP PKWY	Directional Boring:	No
Intersection:	I-10	Explosives:	No
Subdivision:		Whiteline:	No
At Intersection:	Yes	Additional Addresses:	No

Locate Directions

LOCATE ALONG US 98 (BATTLESHIP PKWY) GOING 1000 FEET EACH WAY WEST AND EAST OF I-10 INTERCHANGE. THIS IS THE US 98 MID-BAY AREA.

Remarks

PLEASE PROVIDE UTILITY RECORDS OF UTILITIES. REQUEST FOR ON-SITE MEET WITH OUR LEAD CREW TECH. - CHRIS BARKER (386) 365-9991

Members Notified

Code	Name
APCSCL	Alabama Power - Mobile - APCSCL
ATTD01	ATT / D
ATTT01	ATT / T
ISFN01	Instate FiberNet (Deltacon/ Earthlink Busine...
LVL301	Level 3 Communications
MCIT01	MCI Telecommunications
MOBG01	Mobile Gas Service - MOBG01
MOBW01	Mobile Water and Sewer Board, City of
MRCM01	Madison River Communications
QWCM01	Qwest Communications
SPWS01	Spanish Fort Water System
SLLC01	Southern Light, LLC

Location

Latitude:	30.676615	Longitude:	-87.995636
Second Latitude:	30.679345	Second Longitude:	-87.977401

From: customers@alcal.net
To: Steven Abbott
Subject: Alabama 811 Locate Request 172861490
Date: Friday, October 13, 2017 2:49:22 PM

To update this locate request please click [here](#) to go to the Alabama 811 Web Portal.

Alabama 811 Locate Request

Ticket Number:	172861490	Old Ticket:	172751303
Source:	Portal Update	Hours Notice:	48
Type:	Update	Taken Date:	10/13/2017 1:48:51 PM
Update On:	10/27/17	Good Through:	10/31/17

Company Information

Excavator:	Cardno, Inc.	Type:	Contractor
Address:	159 SW Spencer Court, Suite 106	Contact:	Chris Barker
City, St, Zip:	Lake City, FL 32024	Contact Phone:	(386) 965-9991
Phone:	(386) 755-2626	Caller:	Steven Abbott
Fax:		Caller Phone:	(386) 755-2626
Callback:	386-755-2626		
Caller Email:	STEVE.ABBOTT@CARDNO.COM		
Contact Email:	christopher.barker@cardno.com		

Work Information

State:	AL	Work Date:	10/17/2017 2:00:51 PM
County:	MOBILE	Done For:	ALDOT
City/Town:	MOBILE	Job#:	DPI-1010
Address:	MADISON ST	Directional Boring:	No
Intersection:	ROYAL ST	Explosives:	No
Subdivision:		Whiteline:	No
At Intersection:	No	Additional Addresses:	No

Locate Directions

LOCATE ALONG BOTH SIDES OF MADISON ST, FROM ROYAL ST. GOING EAST TO THE SHIP YARDS (EAST OF RAILROAD TRACKS)

Remarks

PLEASE PROVIDE UTILITY RECORD DRAWINGS. REQUEST FOR ON-SITE MEET WITH CHRIS BARKER (386) 365-9991

Members Notified

Code	Name
APCSCL	Alabama Power - Mobile - APCSCL
ATTD01	ATT / D
LVL301	Level 3 Communications
MCIT01	MCI Telecommunications
MOBG01	Mobile Gas Service - MOBG01
MOBL01	Mobile, City of - 01 - MOBL01
MOBW01	Mobile Water and Sewer Board, City of
QWCM01	Qwest Communications
SLLC01	Southern Light, LLC

Location

Latitude:	30.684524	Longitude:	-88.039707
Second Latitude:	30.684584	Second Longitude:	-88.037625

From: customers@alcal.net
To: Steven Abbott
Subject: Alabama 811 Locate Request 172861498
Date: Friday, October 13, 2017 2:53:01 PM

To update this locate request please click [here](#) to go to the Alabama 811 Web Portal.

Alabama 811 Locate Request

Ticket Number:	172861498	Old Ticket:	172751373
Source:	Portal Update	Hours Notice:	48
Type:	Update	Taken Date:	10/13/2017 1:52:01 PM
Update On:	10/27/17	Good Through:	10/31/17

Company Information

Excavator:	Cardno, Inc.	Type:	Contractor
Address:	159 SW Spencer Court, Suite 106	Contact:	Chris Barker
City, St, Zip:	Lake City, FL 32024	Contact Phone:	(386) 965-9991
Phone:	(386) 755-2626	Caller:	Steven Abbott
Fax:		Caller Phone:	(386) 755-2626
Callback:	386-755-2626		
Caller Email:	STEVE.ABBOTT@CARDNO.COM		
Contact Email:	christopher.barker@cardno.com		

Work Information

State:	AL	Work Date:	10/17/2017 2:00:00 PM
County:	MOBILE	Done For:	ALDOT
City/Town:	MOBILE	Job#:	DPI-1010
Address:	CANAL ST	Directional Boring:	No
Intersection:	ROYAL ST	Explosives:	No
Subdivision:		Whiteline:	No
At Intersection:	Yes	Additional Addresses:	No

Locate Directions

LOCATE ALONG BOTH SIDES OF CANAL ST FROM WATER ST GOING EAST THROUGH ROYAL ST TO THE SHIPYARD (EAST OF RAILROAD TRACKS)

Remarks

PLEASE PROVIDE UTILITY RECORD DRAWINGS. REQUEST FOR ON-SITE MEET WITH CHRIS BARKER (386) 365-9991

Members Notified

Code	Name
APCSCL	Alabama Power - Mobile - APCSC
ATTDO1	ATT / D
CCMO01	Comcast Cablevision of Mobile
LVL301	Level 3 Communications
MCTT01	MCI Telecommunications
MOBG01	Mobile Gas Service - MOBG01
MOBL01	Mobile, City of - 01 - MOBL01
MOBW01	Mobile Water and Sewer Board, City of
QWCM01	Qwest Communications
SLLC01	Southern Light, LLC
TLPK01	Telepak Networks, INC

Location

Latitude:	30.683176	Longitude:	-88.042128
Second Latitude:	30.683256	Second Longitude:	-88.037828

From: cc@cardno.com
 To: Steven Abbott
 Subject: Alabama 811 Locate Request 172861499
 Date: Friday, October 13, 2017 2:54:07 PM

To update this locate request please click [here](#) to go to the Alabama 811 Web Portal.

Alabama 811 Locate Request

Ticket Number:	172861499	Old Ticket:	172751409
Source:	Portal Update	Hours Notice:	48
Type:	Update	Taken Date:	10/13/2017 1:53:26 PM
Update On:	10/27/17	Good Through:	10/31/17

Company Information

Excavator:	Cardno, Inc.	Type:	Contractor
Address:	159 SW Spencer Court, Suite 106	Contact:	Chris Barker
City, St, Zip:	Lake City, FL 32024	Contact Phone:	(386) 965-9991
Phone:	(386) 755-2626	Caller:	Steven Abbott
Fax:		Caller Phone:	(386) 755-2626
Callback:	386-755-2626		
Caller Email:	STEVE.ABBOTT@CARDNO.COM		
Contact Email:	christopher.barker@cardno.com		

Work Information

State:	AL	Work Date:	10/17/2017 2:00:25 PM
County:	MOBILE	Done For:	ALDOT
City/Town:	MOBILE	Job#:	DPI-1010
Address:	ELMIRA ST	Directional Boding:	No
Intersection:	ST MANUEL ST	Explosives:	No
Subdivision:		Whiteline:	No
At Intersection:	No	Additional Addresses:	No

Locate Directions

LOCATE ALONG BOTH SIDES OF ELMIRA ST. FROM SOUTH CONCEPTION ST. GOING EAST THROUGH OLD WATER ST. TO SHIPYARD (THIS IS ON THE EAST SIDE OF RAILROAD TRACKS)

Remarks

PLEASE PROVIDE UTILITY RECORD DRAWINGS. REQUEST FOR ON-SITE MEET WITH CHRIS BARKER (386) 365-9991

Members Notified

Code	Name
APCSCL	Alabama Power - Mobile - APCSCL
ATTID01	ATT / D
CCMO01	Comcast Cablevision of Mobile
KDLJ01	Windstream, KDL
LVL301	Level 3 Communications
MCIT01	MCI Telecommunications
MOBG01	Mobile Gas Service - MOBG01
MOBL01	Mobile, City of - 01 - MOBL01
MOBW01	Mobile Water and Sewer Board, City of
QWCM01	Qwest Communications
SLLC01	Southern Light, LLC

Location

Latitude:	30.676226	Longitude:	-88.043091
Second Latitude:	30.67698	Second Longitude:	-88.037832

Alabama 811 Locate Request

Ticket Number:	180120010	Old Ticket:	172861490
Source:	Portal Update	Hours Notice:	48
Type:	Update	Taken Date:	1/12/2018 5:23:50 AM
Update On:	01/26/18	Good Through:	01/30/18

Company Information

Excavator:	Cardno, Inc.	Type:	Contractor
Address:	159 SW Spencer Court, Suite 106	Contact:	Chris Barker
City, St, Zip:	Lake City, FL 32024	Contact Phone:	(386) 965-9991
Phone:	(386) 755-2626	Caller:	Steven Abbott
Fax:		Caller Phone:	(386) 755-2626
Callback:	(386) 755-2626		
Caller Email:	STEVE.ABBOTT@CARDNO.COM		
Contact Email:	christopher.barker@cardno.com		

Work Information

State:	AL	Work Date:	1/16/2018 7:00:00 AM
County:	MOBILE	Done For:	ALDOT
City/Town:	MOBILE	Job#:	DPI-I010
Address:	MADISON ST	Directional Boring:	No
Intersection:	ROYAL ST	Explosives:	No
Subdivision:		Whitelined:	No
At Intersection:	No	Additional Addresses:	No

Locate Directions

LOCATE ALONG BOTH SIDES OF MADISON ST, FROM ROYAL ST. GOING EAST TO THE SHIP YARDS (EAST OF RAILROAD TRACKS)

Remarks

PLEASE PROVIDE UTILITY RECORD DRAWINGS. REQUEST FOR ON-SITE MEET WITH CHRIS BARKER (386) 365-9991

Members Notified

<u>Code</u>	<u>Name</u>
APC5CL	Alabama Power - Mobile - APC5CL
ATTD01	ATT / D
LVL301	Level 3 Communications
MCIT01	MCI Telecommunications
MOBG01	Mobile Gas Service - MOBG01
MOBL01	Mobile, City of - 01 - MOBL01
MOBW01	Mobile Water and Sewer Board, City of
QWCM01	Qwest Communications
SLLC01	Southern Light, LLC

Location

Latitude:	30.684524	Longitude:	-88.039707
Second Latitude:	30.684584	Second Longitude:	-88.037625

Alabama 811 Locate Request

Ticket Number:	180120012	Old Ticket:	172861498
Source:	Portal Update	Hours Notice:	48
Type:	Update	Taken Date:	1/12/2018 5:27:10 AM
Update On:	01/26/18	Good Through:	01/30/18

Company Information

Excavator:	Cardno, Inc.	Type:	Contractor
Address:	159 SW Spencer Court, Suite 106	Contact:	Chris Barker
City, St, Zip:	Lake City, FL 32024	Contact Phone:	(386) 965-9991
Phone:	(386) 755-2626	Caller:	Steven Abbott
Fax:		Caller Phone:	(386) 755-2626
Callback:	(386)755-2626		
Caller Email:	STEVE.ABBOTT@CARDNO.COM		
Contact Email:	christopher.barker@cardno.com		

Work Information

State:	AL	Work Date:	1/16/2018 7:00:00 AM
County:	MOBILE	Done For:	ALDOT
City/Town:	MOBILE	Job#:	DPI-I010
Address:	CANAL ST	Directional Boring:	No
Intersection:	ROYAL ST	Explosives:	No
Subdivision:		Whitelined:	No
At Intersection:	Yes	Additional Addresses:	No

Locate Directions

LOCATE ALONG BOTH SIDES OF CANAL ST FROM WATER ST GOING EAST THROUGH ROYAL ST TO THE SHIPYARD (EAST OF RAILROAD TRACKS)

Remarks

PLEASE PROVIDE UTILITY RECORD DRAWINGS. REQUEST FOR ON-SITE MEET WITH CHRIS BARKER (386) 365-9991

Members Notified

<u>Code</u>	<u>Name</u>
APC5CL	Alabama Power - Mobile - APC5CL
ATTD01	ATT / D
CCMO01	Comcast Cablevision of Mobile
LVL301	Level 3 Communications
MCIT01	MCI Telecommunications
MOBG01	Mobile Gas Service - MOBG01
MOBL01	Mobile, City of - 01 - MOBL01
MOBW01	Mobile Water and Sewer Board, City of
QWCM01	Qwest Communications
SLLC01	Southern Light, LLC
TLPK01	Telepak Networks, INC

Location

Latitude:	30.683176	Longitude:	-88.042128
Second Latitude:	30.683256	Second Longitude:	-88.037828

Alabama 811 Locate Request

Ticket Number:	180120014	Old Ticket:	172861499
Source:	Portal Update	Hours Notice:	48
Type:	Update	Taken Date:	1/12/2018 5:29:01 AM
Update On:	01/26/18	Good Through:	01/30/18

Company Information

Excavator:	Cardno, Inc.	Type:	Contractor
Address:	159 SW Spencer Court, Suite 106	Contact:	Chris Barker
City, St, Zip:	Lake City, FL 32024	Contact Phone:	(386) 965-9991
Phone:	(386) 755-2626	Caller:	Steven Abbott
Fax:		Caller Phone:	(386) 755-2626
Callback:	(386) 755-2626		
Caller Email:	STEVE.ABBOTT@CARDNO.COM		
Contact Email:	christopher.barker@cardno.com		

Work Information

State:	AL	Work Date:	1/16/2018 7:00:00 AM
County:	MOBILE	Done For:	ALDOT
City/Town:	MOBILE	Job#:	DPI-I010
Address:	ELMIRA ST	Directional Boring:	No
Intersection:	ST MANUEL ST	Explosives:	No
Subdivision:		Whitelined:	No
At Intersection:	No	Additional Addresses:	No

Locate Directions

LOCATE ALONG BOTH SIDES OF ELMIRA ST. FROM SOUTH CONCEPTION ST. GOING EAST THROUGH OLD WATER ST. TO SHIPYARD (THIS IS ON THE EAST SIDE OF RAILROAD TRACKS)

Remarks

PLEASE PROVIDE UTILITY RECORD DRAWINGS. REQUEST FOR ON-SITE MEET WITH CHRIS BARKER (386) 365-9991

Members Notified

<u>Code</u>	<u>Name</u>
APC5CL	Alabama Power - Mobile - APC5CL
ATTD01	ATT / D
CCMO01	Comcast Cablevision of Mobile
KDLI01	Windstream, KDL
LVL301	Level 3 Communications
MCIT01	MCI Telecommunications
MOBG01	Mobile Gas Service - MOBG01
MOBL01	Mobile, City of - 01 - MOBL01
MOBW01	Mobile Water and Sewer Board, City of
QWCM01	Qwest Communications
SLLC01	Southern Light, LLC

Location

Latitude:	30.676226	Longitude:	-88.043091
Second Latitude:	30.67698	Second Longitude:	-88.037832

Alabama 811 Locate Request

Ticket Number:	180120090	Old Ticket:	
Source:	PortalTicket	Hours Notice:	48
Type:	Normal	Taken Date:	1/12/2018 7:17:56 AM
Update On:	01/26/18	Good Through:	01/30/18

Company Information

Excavator:	Cardno, Inc.	Type:	Contractor
Address:	159 SW Spencer Court, Suite 106	Contact:	Steven Abbott
City, St, Zip:	Lake City, FL 32024	Contact Phone:	(386) 755-2626
Phone:	(386) 755-2626	Caller:	Steven Abbott
Fax:		Caller Phone:	(386) 755-2626
Callback:			
Caller Email:	STEVE.ABBOTT@CARDNO.COM		
Contact Email:	STEVE.ABBOTT@CARDNO.COM		

Work Information

State:	AL	Work Date:	1/16/2018 7:30:00 AM
County:	MOBILE	Done For:	ALDOT
City/Town:	MOBILE	Job#:	
Address:	OLD WATER ST	Directional Boring:	No
Intersection:	BETWEEN MADISON ST AND ESLAVA ST	Explosives:	No
Subdivision:		Whitelined:	Yes
At Intersection:	No	Additional Addresses:	No

Locate Directions

ALONG BOTH SIDES OF OLD WATER ST FROM MADISON ST GOING NORTH TO ESLAVA ST - AREA WILL BE MARKED IN WHITE PAINT

Remarks

Members Notified

<u>Code</u>	<u>Name</u>
APC5CL	Alabama Power - Mobile - APC5CL
ATTD01	ATT / D
CCMO01	Comcast Cablevision of Mobile
MCIT01	MCI Telecommunications
MOBG01	Mobile Gas Service - MOBG01
MOBL01	Mobile, City of - 01 - MOBL01
MOBW01	Mobile Water and Sewer Board, City of
QWCM01	Qwest Communications
SLLC01	Southern Light, LLC

Location

Latitude:	30.684581	Longitude:	-88.038588
Second Latitude:	30.685958	Second Longitude:	-88.038343

Alabama 811 Locate Request

Ticket Number:	181800630	Old Ticket:	
Source:	PortalTicket	Hours Notice:	48
Type:	Normal	Taken Date:	6/29/2018 8:56:07 AM
Update On:	07/16/18	Good Through:	07/18/18

Company Information

Excavator:	Cardno, Inc.	Type:	Contractor
Address:	159 SW Spencer Court, Suite 106	Contact:	Steven Abbott
City, St, Zip:	Lake City, FL 32024	Contact Phone:	(386) 755-2626
Phone:	(386) 755-2626	Caller:	Steven Abbott
Fax:		Caller Phone:	(386) 755-2626
Callback:			
Caller Email:	STEVE.ABBOTT@CARDNO.COM		
Contact Email:	STEVE.ABBOTT@CARDNO.COM		

Work Information

State:	AL	Work Date:	7/3/2018 9:00:00 AM
County:	MOBILE	Done For:	ALDOT
City/Town:	MOBILE	Job#:	DPI-I010
Address:	ELMIRA ST	Directional Boring:	No
Intersection:	OLD WATER ST	Explosives:	No
Subdivision:		Whitelined:	Yes
At Intersection:	Yes	Additional Addresses:	No

Locate Directions

LOCATE AT INTERSECTION OF ELMIRA ST. AND OLD WATER ST., WHICH INCLUDES ALONG CSX RAILROAD

Remarks

CSX WILL HAVE A FLAGMAN ONSITE ANY UTILITIES - FIBERS THAT RUN ALONG RAILROAD TRACKS, PLEASE MEET WITH US ON-SITE JUNE 9TH @ 8am

Members Notified

<u>Code</u>	<u>Name</u>
APC5CL	Alabama Power - Mobile - APC5CL
ATTD01	ATT / D
KDLI01	Windstream, KDL
LVL301	Level 3 Communications
MCIT01	MCI Telecommunications
MOBG01	Spire Gulf Inc - Service - MOBG01
MOBL01	Mobile, City of - 01 - MOBL01
MOBW01	Mobile Water and Sewer Board, City of
QWCM01	Qwest Communications
SLLC01	Southern Light, LLC

Location

Latitude:	30.676491	Longitude:	-88.039185
Second Latitude:	30.676491	Second Longitude:	-88.039185

Alabama 811 Locate Request

Ticket Number:	181800657	Old Ticket:	
Source:	PortalTicket	Hours Notice:	48
Type:	Normal	Taken Date:	6/29/2018 9:01:28 AM
Update On:	07/16/18	Good Through:	07/18/18

Company Information

Excavator:	Cardno, Inc.	Type:	Contractor
Address:	159 SW Spencer Court, Suite 106	Contact:	Steven Abbott
City, St, Zip:	Lake City, FL 32024	Contact Phone:	(386) 755-2626
Phone:	(386) 755-2626	Caller:	Steven Abbott
Fax:		Caller Phone:	(386) 755-2626
Callback:			
Caller Email:	STEVE.ABBOTT@CARDNO.COM		
Contact Email:	STEVE.ABBOTT@CARDNO.COM		

Work Information

State:	AL	Work Date:	7/3/2018 9:15:00 AM
County:	MOBILE	Done For:	ALDOT
City/Town:	MOBILE	Job#:	DPI-I010
Address:	CANAL ST	Directional Boring:	No
Intersection:	OLD WATER ST	Explosives:	No
Subdivision:		Whitelined:	Yes
At Intersection:	Yes	Additional Addresses:	No

Locate Directions

LOCATE AT THE INTERSECTION OF CANAL ST AND OLD WATER ST, INCLUDES ALONG CSX RAILROAD.

Remarks

CSX WILL HAVE A FLAGMAN ONSITE. ANY UTILITIES - FIBERS THAT RUN ALONG CSX RAILROAD, PLEASE MEET ON JUNE 9TH @ 8am.

Members Notified

<u>Code</u>	<u>Name</u>
APC5CL	Alabama Power - Mobile - APC5CL
ATTD01	ATT / D
LVL301	Level 3 Communications
MCIT01	MCI Telecommunications
MOBG01	Spire Gulf Inc - Service - MOBG01
MOBL01	Mobile, City of - 01 - MOBL01
MOBW01	Mobile Water and Sewer Board, City of
QWCM01	Qwest Communications
SLLC01	Southern Light, LLC

Location

Latitude:	30.68318	Longitude:	-88.038445
Second Latitude:	30.68318	Second Longitude:	-88.038445

Alabama 811 Locate Request

Ticket Number:	181800677	Old Ticket:	
Source:	PortalTicket	Hours Notice:	48
Type:	Normal	Taken Date:	6/29/2018 9:05:26 AM
Update On:	07/16/18	Good Through:	07/18/18

Company Information

Excavator:	Cardno, Inc.	Type:	Contractor
Address:	159 SW Spencer Court, Suite 106	Contact:	Steven Abbott
City, St, Zip:	Lake City, FL 32024	Contact Phone:	(386) 755-2626
Phone:	(386) 755-2626	Caller:	Steven Abbott
Fax:		Caller Phone:	(386) 755-2626
Callback:			
Caller Email:	STEVE.ABBOTT@CARDNO.COM		
Contact Email:	STEVE.ABBOTT@CARDNO.COM		

Work Information

State:	AL	Work Date:	7/3/2018 9:15:00 AM
County:	MOBILE	Done For:	ALDOT
City/Town:	MOBILE	Job#:	DPI-I010
Address:	OLD WATER ST	Directional Boring:	No
Intersection:	MADISON ST	Explosives:	No
Subdivision:		Whitelined:	Yes
At Intersection:	Yes	Additional Addresses:	No

Locate Directions

LOCATE ALONG OLD WATER ST FROM THE INTERSECTION OF MADISON ST. TO ESLAVA ST, INCLUDING ALONG CSX RAILROAD

Remarks

CSX WILL HAVE A FLAGMAN ONSITE ANY UTILITIES - FIBERS THAT RUN ALONG RAILROAD TRACKS, PLEASE MEET WITH US ON-SITE JUNE 9TH @ 8am

Members Notified

<u>Code</u>	<u>Name</u>
APC5CL	Alabama Power - Mobile - APC5CL
ATTD01	ATT / D
CCMO01	Comcast Cablevision of Mobile
MCIT01	MCI Telecommunications
MOBG01	Spire Gulf Inc - Service - MOBG01
MOBL01	Mobile, City of - 01 - MOBL01
MOBW01	Mobile Water and Sewer Board, City of
QWCM01	Qwest Communications
SLLC01	Southern Light, LLC

Location

Latitude:	30.684575	Longitude:	-88.03857
Second Latitude:	30.685955	Second Longitude:	-88.038339

Date 10/2/2017 ~ 10/20/2017 & 1/14/2018 Client Project No. AL095.001.002 Truck NO. 331535 Client Project No. DPI-010 Work Order No. Road Name/No. I-10 Mobile River Bridge (Madison St.)	Designated Utility Points Form CARDNO 159 SW Spencer Court, Suite 106 Lake City, Florida 32024 LB7975	Crew Members CB,JH,DM City / County Mobile, AL/ Mobile County General Location I-10 Mobile River Bridge ~ Madison St.																								
LEGEND & ABBREVIATIONS																										
<table style="width:100%; font-size: small;"> <tr> <td>BE - Buried Electric</td> <td>BED - Buried Electric Duct</td> <td>BT - Buried Telephone</td> <td>BTD - Buried Telephone Duct</td> <td>CATV - Cable TV</td> <td>FL - Fuel Line</td> <td>GS - Gas Service</td> <td>Other-</td> </tr> <tr> <td>FM - Force Main</td> <td>FOC - Fiber Optic Cable</td> <td>FOCD - Fiber Optic Duct</td> <td>GM - Gas Main</td> <td>PL - Pipe Line</td> <td>RW - Reclaimed Water</td> <td>UNK - Unknown Utility</td> <td>Other-</td> </tr> <tr> <td>SAN - Sanitary Sewer</td> <td>STM - Storm Sewer</td> <td>SL - Street Light</td> <td>TS - Traffic Signal</td> <td>WM - Water Main</td> <td>WS - Water Service</td> <td>Other-</td> <td>Other-</td> </tr> </table>			BE - Buried Electric	BED - Buried Electric Duct	BT - Buried Telephone	BTD - Buried Telephone Duct	CATV - Cable TV	FL - Fuel Line	GS - Gas Service	Other-	FM - Force Main	FOC - Fiber Optic Cable	FOCD - Fiber Optic Duct	GM - Gas Main	PL - Pipe Line	RW - Reclaimed Water	UNK - Unknown Utility	Other-	SAN - Sanitary Sewer	STM - Storm Sewer	SL - Street Light	TS - Traffic Signal	WM - Water Main	WS - Water Service	Other-	Other-
BE - Buried Electric	BED - Buried Electric Duct	BT - Buried Telephone	BTD - Buried Telephone Duct	CATV - Cable TV	FL - Fuel Line	GS - Gas Service	Other-																			
FM - Force Main	FOC - Fiber Optic Cable	FOCD - Fiber Optic Duct	GM - Gas Main	PL - Pipe Line	RW - Reclaimed Water	UNK - Unknown Utility	Other-																			
SAN - Sanitary Sewer	STM - Storm Sewer	SL - Street Light	TS - Traffic Signal	WM - Water Main	WS - Water Service	Other-	Other-																			
DATE	UTILITY TYPE	#NAME?	No. SHOTS IN CHAIN	LINEAR CHAIN FEET	APPARENT UTILITY OWNER	EQUIPMENT USED	FREQUENCY	Designator Initials	POINT OF CONNECTION (Pole #, Ped. #, Manhole #, Address, Location, Etc.)	DESCRIBE METHOD OF DESIGNATING																
~Madison St.~																										
10/13/2017	GM	A	21	391'	Mobile Gas	MetroTech 810	83 kHz	DM	Scan	Inductive Scan																
10/13/2017	WM	A	12	374'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan																
10/13/2017	FOC	G	4	60'	Qwest (CenturyLink)	One Call Locator			QL-D	Quality Level "D" - as per One Call Locator																
10/13/2017	FOC	H	4	60'	MCI	One Call Locator			QL-D	Quality Level "D" - as per One Call Locator																
10/13/2017	BT	A	6	60'	AT&T - Distribution	RD8000	8 kHz	CB	Ped.	Direct Connect																
10/17/2017	UNK	A	8	230'	Unknown Owner	MetroTech 810	83 kHz	CB	Scan	Inductive Scan																
10/17/2017	UNK	B	4	60'	Unknown Owner	MetroTech 810	83 kHz	CB	Scan	Inductive Scan																
10/14/2017	BT	B	7	32'	AT&T - Distribution	RD8000	8 kHz	CB	Crossbox	Direct Connect																
10/14/2017	BT	C	7	32'	AT&T - Distribution	RD8000	8 kHz	CB	Crossbox	Direct Connect																
10/14/2017	BT	D	7	32'	AT&T - Distribution	RD8000	8 kHz	CB	Crossbox	Direct Connect																
10/14/2017	BT	E	2	4'	AT&T - Distribution	RD8000	8 kHz	CB	Crossbox	Direct Connect																
10/14/2017	BT	F	2	2'	AT&T - Distribution	RD8000	8 kHz	CB	Ped.	Direct Connect																
10/14/2017	BT	G	2	2'	AT&T - Distribution	RD8000	8 kHz	CB	Ped.	Direct Connect																
10/14/2017	BT	H	2	2'	AT&T - Distribution	RD8000	8 kHz	CB	Ped.	Direct Connect																
10/14/2017	BT	I	4	12'	AT&T - Distribution	RD8000	8 kHz	CB	Drop on Pole	Induction Clamp																
10/14/2017	FOCD	A	4	73'	AT&T - Distribution	MetroTech 810	83 kHz	CB	Scan	Inductive Scan																
10/14/2017	BED	A	4	62'	Alabama Power	MetroTech 810	83 kHz	CB	Scan	Inductive Scan																
10/14/2017	BE	C	4	34'	Alabama Power	MetroTech 810	83 kHz	CB	Scan	Inductive Scan																
10/14/2017	WS	A	4	28'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan																
10/14/2017	WM	B	5	50'	Mobile Water	IDS		CB	Scan	GPR Scan																
10/16/2017	BE	D	4	86'	Private	RD8000	65 kHz	CB	Conduit at Building	Induction Clamp																
10/16/2017	BE	E	3	23'	Private	RD8000	65 kHz	CB	Conduit at Building	Induction Clamp																
10/16/2017	BE	F	14	258'	Private	RD8000	65 kHz	CB	Conduit at Building	Induction Clamp																
10/16/2017	UNK	C	7	233'	Unknown Owner	RD8000	65 kHz	CB	Conduit at Building	Induction Clamp																
10/16/2017	FOC	V	8	65'	AT&T - Distribution	RD8000	8 kHz	CB	Drop on Pole	Induction Clamp																
10/16/2017	BT	M	2	2'	AT&T - Distribution	RD8000	8 kHz	CB	Ped.	Direct Connect																
10/16/2017	WM	L	7	60'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan																
10/16/2017	WM	M	2	12'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan																
10/18/2017	BT	K	2	10'	AT&T - Distribution	MetroTech 810	83 kHz	CB	Scan	Inductive Scan																
10/18/2017	WM	N	6	145'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan																
NOTES Utility Chains Used Twice: WM-X, BT-L, BT-K Utility Chains Used 3x's: GM-A, WM-N																										

Date 10/2/2017 ~ 10/20/2017 & 1/14/2018 Client Project No. AL095.001.002 Truck NO. 331535 Client Project No. DPI-010 Work Order No. Road Name/No. I-10 Mobile River Bridge (Canal St.)	Designated Utility Points Form CARDNO 159 SW Spencer Court, Suite 106 Lake City, Florida 32024 LB7975	Crew Members CB,JH,DM City / County Mobile, AL/ Mobile County General Location I-10 Mobile River Bridge ~ Canal St.
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LEGEND & ABBREVIATIONS							
BE - Buried Electric	BED - Buried Electric Duct	BT - Buried Telephone	BTD - Buried Telephone Duct	CATV - Cable TV	FL - Fuel Line	GS - Gas Service	Other-
FM - Force Main	FOC - Fiber Optic Cable	FOCD - Fiber Optic Duct	GM - Gas Main	PL - Pipe Line	RW - Reclaimed Water	UNK - Unknown Utility	Other-
SAN - Sanitary Sewer	STM - Storm Sewer	SL - Street Light	TS - Traffic Signal	WM - Water Main	WS - Water Service	Other-	Other-

DATE	UTILITY TYPE	#NAME?	No. SHOTS IN CHAIN	LINEAR CHAIN FEET	APPARENT UTILITY OWNER	EQUIPMENT USED	FREQUENCY	Designator Initials	POINT OF CONNECTION (Pole #, Ped. #, Manhole #, Address, Location, Etc.)	DESCRIBE METHOD OF DESIGNATING
~Canal St.~										
10/14/2017	BED	B	21	250'	Alabama Power	RD8000	8 kHz	CB	Manhole	Induction Clamp
10/14/2017	BED	D	3	50'	Alabama Power	RD8000	8 kHz	CB	Manhole	Induction Clamp
10/14/2017	BED	C	4	50'	Alabama Power	RD8000	8 kHz	CB	Manhole	Induction Clamp
10/14/2017	FOC	M	3	50'	AT&T - Distribution	RD8000	8 kHz	CB	Pole Drop	Induction Clamp
10/16/2017	FOC	N	5	57'	MCI	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/16/2017	FOC	O	5	61'	Qwest (CenturyLink)	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/16/2017	BT	K	12	135'	AT&T - Distribution	RD8000	8 kHz	CB	Pole ground	Direct Connect
10/16/2017	FOC	P	2	10'	AT&T - Distribution	RD8000	8 kHz	CB	Pullbox	Induction Clamp
10/16/2017	FOC	Q	4	55'	AT&T - Distribution	RD8000	8 kHz	CB	Pullbox	Induction Clamp
10/16/2017	FOC	R	ASCE Quality Level "D"		AT&T - Distribution	One Call Locator			QL-D	Quality Level "D" - as per One Call Locator
10/16/2017	FOC	S	ASCE Quality Level "D"		AT&T - Distribution	One Call Locator			QL-D	Quality Level "D" - as per One Call Locator
10/16/2017	WM	E	6	65'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/16/2017	FOCD	C	4	65'	AT&T - Distribution	RD8000	8 kHz	CB	Manhole	Induction Clamp
10/16/2017	WM	F	4	60'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/16/2017	WM	G	3	40'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/16/2017	WM	H	3	15'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/16/2017	WM	I	2	40'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/17/2017	WM	J	21	974'	Mobile Water	MetroTech 810	83 kHz	CB/ DM	Scan/ QL-D	Inductive Scan/ Quality Level "D" - as per Record Drawings
10/17/2017	WM	K	2	15'	Mobile Water	MetroTech 810	83 kHz	CB/ DM	Scan	Inductive Scan
10/17/2017	FOC	T	5	68'	Southern Light	RD8000	65 kHz	CB	Pole Drop	Induction Clamp
10/17/2017	FOC	U	16	436'	AT&T - Distribution	RD8000	65 kHz	CB	Pullbox	Induction Clamp
10/17/2017	BT	L	8	75'	AT&T - Distribution	RD8000	65 kHz	CB	Pole Drop	Induction Clamp
10/17/2017	UNK	D	8	358'	Unknown Owner	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/17/2017	UNK	E	4	50'	Unknown Owner	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/17/2017	GM	B	6	75'	Mobile Gas	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/17/2017	GS	A	2	15'	Mobile Gas	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/17/2017	WM	N	6	40'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/17/2017	FOC	W	3	45'	AT&T - Distribution	RD8000	65 kHz	CB	Pole Drop	Induction Clamp
10/17/2017	BT	N	3	45'	AT&T - Distribution	RD8000	65 kHz	CB	Pole Drop	Induction Clamp
10/17/2017	BT	O	3	45'	AT&T - Distribution	RD8000	65 kHz	CB	Pole Drop	Induction Clamp
10/17/2017	WM	O	2	15'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan

NOTES Utility Chains Used Twice: WM-X, BT-L, BT-K	Utility Chains Used 3x's: GM-A, WM-N
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Date 10/2/2017 ~ 10/20/2017 & 1/14/2018 Client Project No. AL095.001.002 Truck NO. 331535 Client Project No. DPI-1010 Work Order No. Road Name/No. I-10 Mobile River Bridge (Elmira St.)	Designated Utility Points Form CARDNO 159 SW Spencer Court, Suite 106 Lake City, Florida 32024 LB7975	Crew Members CB,JH,DM City / County Mobile, AL/ Mobile County General Location I-10 Mobile River Bridge ~ Elmira St.
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LEGEND & ABBREVIATIONS							
BE - Buried Electric	BED - Buried Electric Duct	BT - Buried Telephone	BTD - Buried Telephone Duct	CATV - Cable TV	FL - Fuel Line	GS - Gas Service	Other-
FM - Force Main	FOC - Fiber Optic Cable	FOCD - Fiber Optic Duct	GM - Gas Main	PL - Pipe Line	RW - Reclaimed Water	UNK - Unknown Utility	Other-
SAN - Sanitary Sewer	STM - Storm Sewer	SL - Street Light	TS - Traffic Signal	WM - Water Main	WS - Water Service	Other-	Other-

DATE	UTILITY TYPE	#NAME?	No. SHOTS IN CHAIN	LINEAR CHAIN FEET	APPARENT UTILITY OWNER	EQUIPMENT USED	FREQUENCY	Designator Initials	POINT OF CONNECTION (Pole #, Ped. #, Manhole #, Address, Location, Etc.)	DESCRIBE METHOD OF DESIGNATING
~Elmira St.~										
10/14/2017	BT	J	5	75'	AT&T - Distribution	RD8000		CB	Pole # 5-028889	Induction Clamp
10/14/2017	CATV	A	6	75'	Comcast Cable	RD8000		CB	Pole # 5-028889	Induction Clamp
10/14/2017	WM	C	28	1,110'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/17/2017	FOCD	B	4	60'	AT&T - Distribution	RD8000		CB	Pullbox	Direct Connect
10/17/2017	WM	D	6	60'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/17/2017	FOC	I	15	450'	AT&T - Distribution	RD8000		CB	Pullbox	Direct Connect
10/17/2017	FOC	J	5	60'	AT&T - Distribution	RD8000		CB	Pullbox	Direct Connect
10/17/2017	FOC	K	5	60'	AT&T - Distribution	RD8000		CB	Pullbox	Direct Connect
10/17/2017	FOC	L	3	55'	AT&T - Distribution	RD8000		CB	Pullbox	Direct Connect
10/17/2017	WM	P	4	50'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/17/2017	WM	Q	8	45'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/17/2017	WM	R	3	15'	Mobile Water	RD8000		CB	Valve	Direct Connect
10/17/2017	WM	S	2	10'	Mobile Water	RD8000		CB	Fire Hydrant	Direct Connect
10/17/2017	GM	C	5	71'	Mobile Gas	RD8000		CB	Gas Service Meter - World Wide Ball Roads	Direct Connect
10/18/2017	WM	T	7	65'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/18/2017	WM	U	7	65'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/18/2017	WM	V	2	10'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/18/2017	WS	D	2	12'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/18/2017	GM	D	5	60'	Mobile Gas	IDS/ QL-D		CB		GPR Scan/ Quality Level "D" - as per One Call Locator
10/18/2017	WM	W	4	25'	Mobile Water	IDS/ QL-D		CB		GPR Scan/ Quality Level "D" - as per Record Drawings
10/18/2017	GM	E	15	554'	Mobile Gas	IDS		CB	Scan	GPR Scan
10/19/2017	WS	E	3	26'	Mobile Water	IDS		CB	Scan	GPR Scan
10/20/2017	BE	G	7	75'	Private	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/20/2017	BE	H	8	76'	Private	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/20/2017	BE	I	4	100'	Private	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/20/2017	BT	L	2	15'	Private	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/20/2017	BE	J	4	45'	Private	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/20/2017	BE	K	3	40'	Private	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/20/2017	BE	L	4	30'	Private	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/20/2017	BE	M	5	45'	Private	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/20/2017	WM	X	2	5'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan
10/20/2017	WM	Y	3	24'	Mobile Water	MetroTech 810	83 kHz	CB	Scan	Inductive Scan

NOTES

Utility Chains Used Twice: WM-X, BT-L, BT-K Utility Chains Used 3x's: GM-A, WM-N

I-10 MOBILE RIVER BRIDGE PROJECT

@ US 98 - MID BAY ~ NORTH SIDE ONLY

SPANISH FORT, AL / BALDWIN COUNTY

(AS PER CARDNO'S
ASCE QUALITY LEVEL "B"
SLOPE

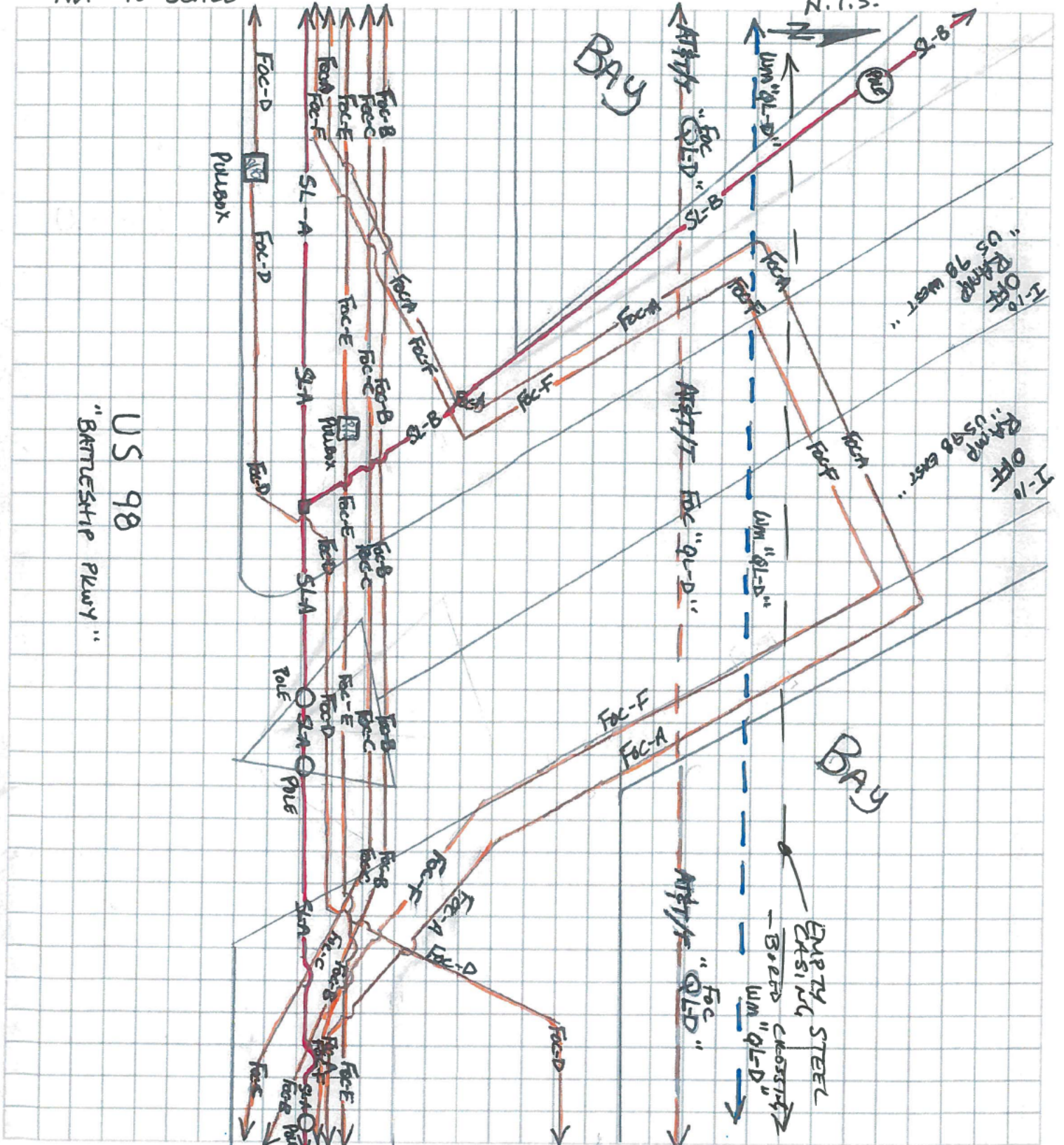
SHEET NO. **2** OF **5**

JOB NO. A1095-001-02

BY JH DATE 10-4-17

CK SLA DATE 10/24/17

"NOT TO SCALE"



I-10 MOBILE RIVER BRIDGE PROJECT

@ US 98 - MID BAY ~ NORTHSIDE ONLY (AS PER CARDNO'S ASSESS QUALITY LEVEL 'B' SCOPE)
SPANISH FORT, AL / BALDWIN COUNTY

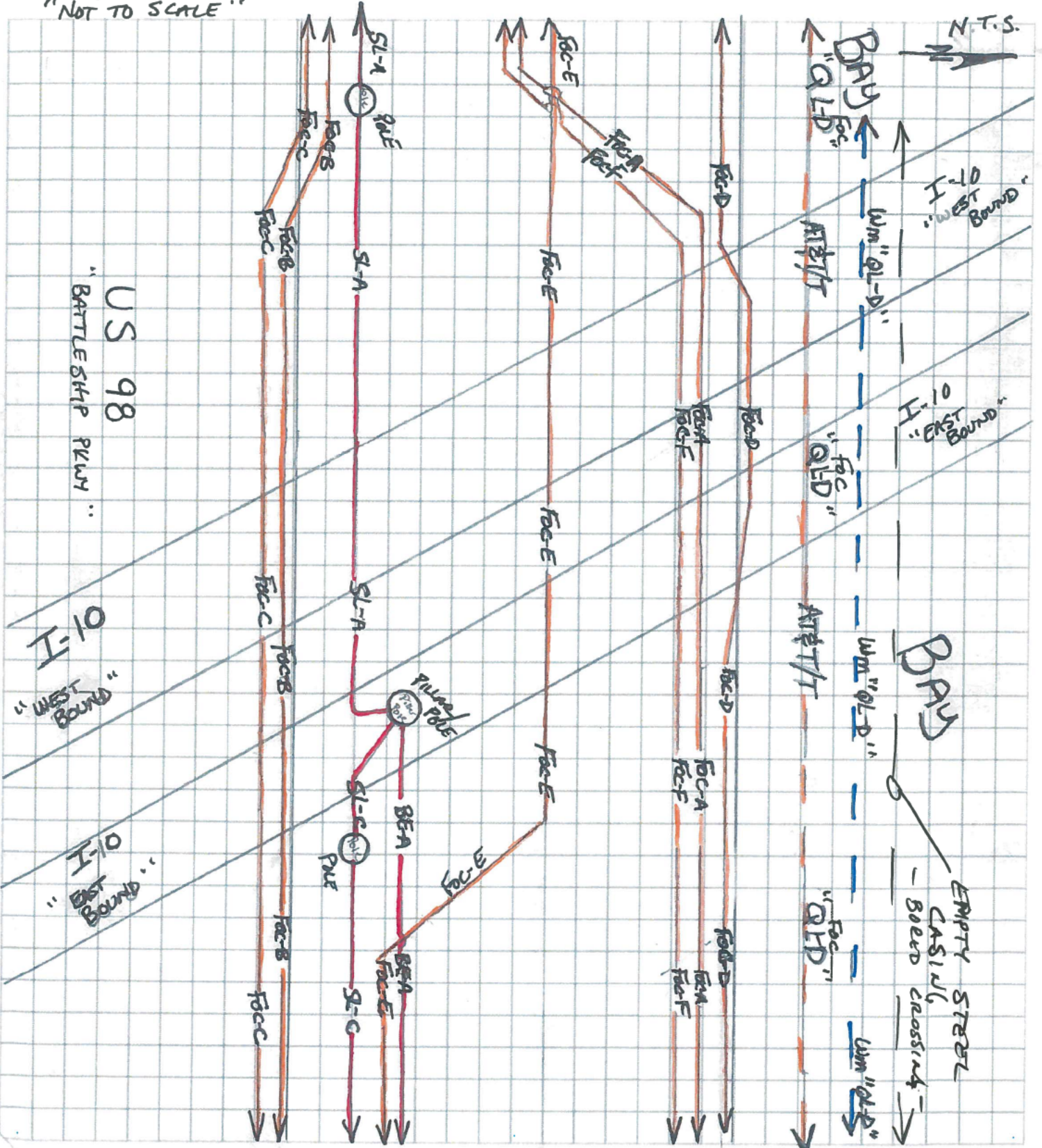
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JOB NO. ALO95-001-02

BY JH DATE 10-4-17

CK SLA DATE 10/24/17

"NOT TO SCALE"



I-10 MOBILE RIVER BRIDGE

@ US 98 - MID BAY ~ NORTH SIDE ONLY (AS PER CARDNO'S ASCE QUALITY LEVEL "B" SCOPE)
SPANISH FORT, AL / BALDWIN COUNTY

SHEET NO. 4 OF 5

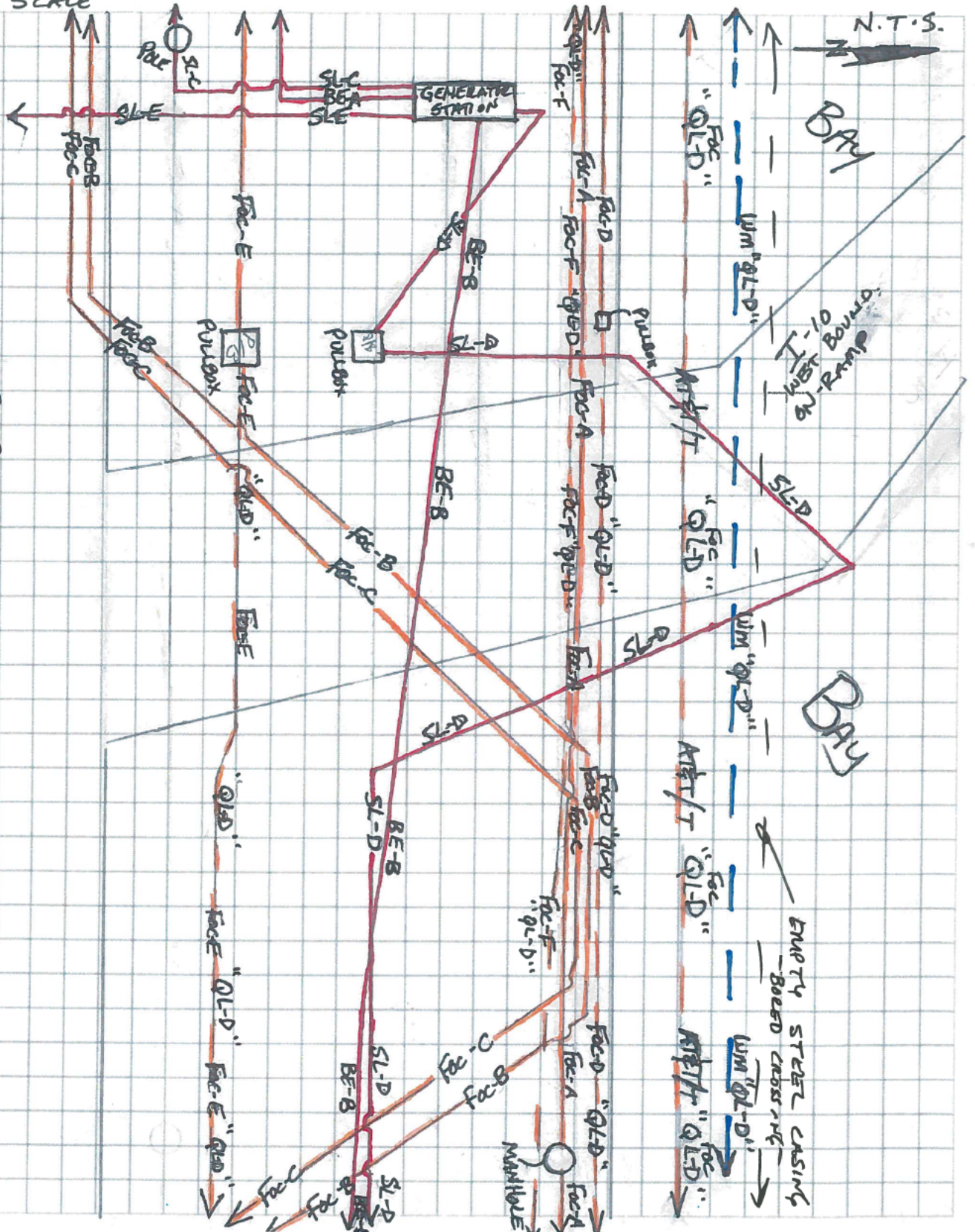
JOB NO. AL095-001-02

BY JH DATE 10-4-17

CK SLA DATE 10/24/17

"NOT TO SCALE"

US 98
"BATTLESHIP PKWY"



I-10 MOBILE RIVER BRIDGE PROJECT

② US 98 - MID BAY ~ NORTH SIDE ONLY (AS PER CARDNO'S
SPANISH FORT, AL / BALDWIN COUNTY (ASCE QUALITY LEVEL "B" SCOPE)

SHEET NO. 5 OF 5

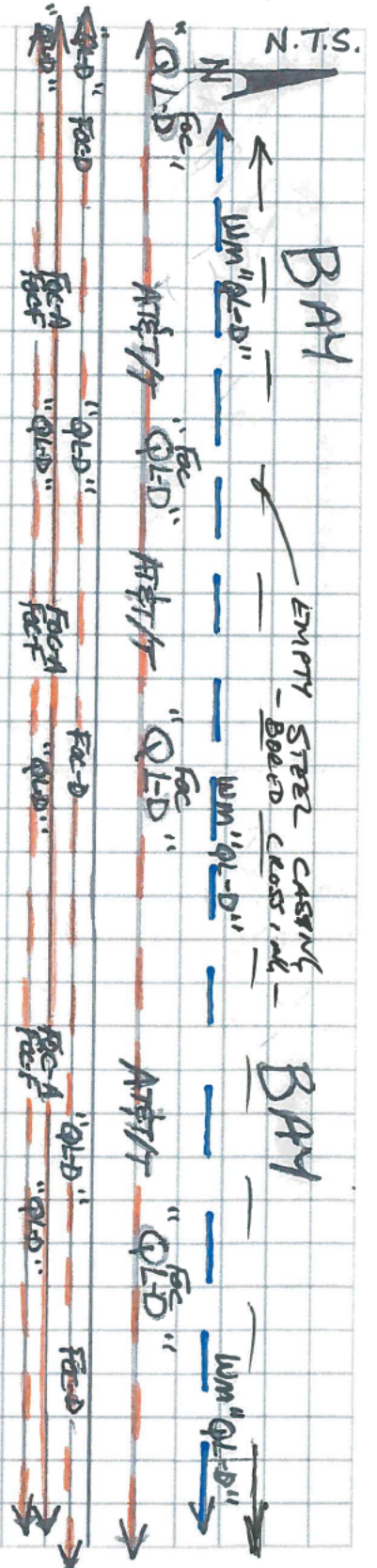
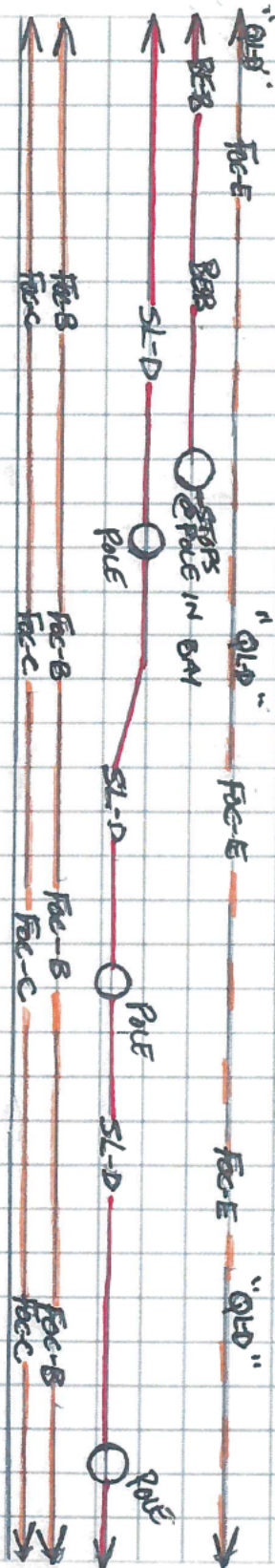
JOB NO. AL095-001-02

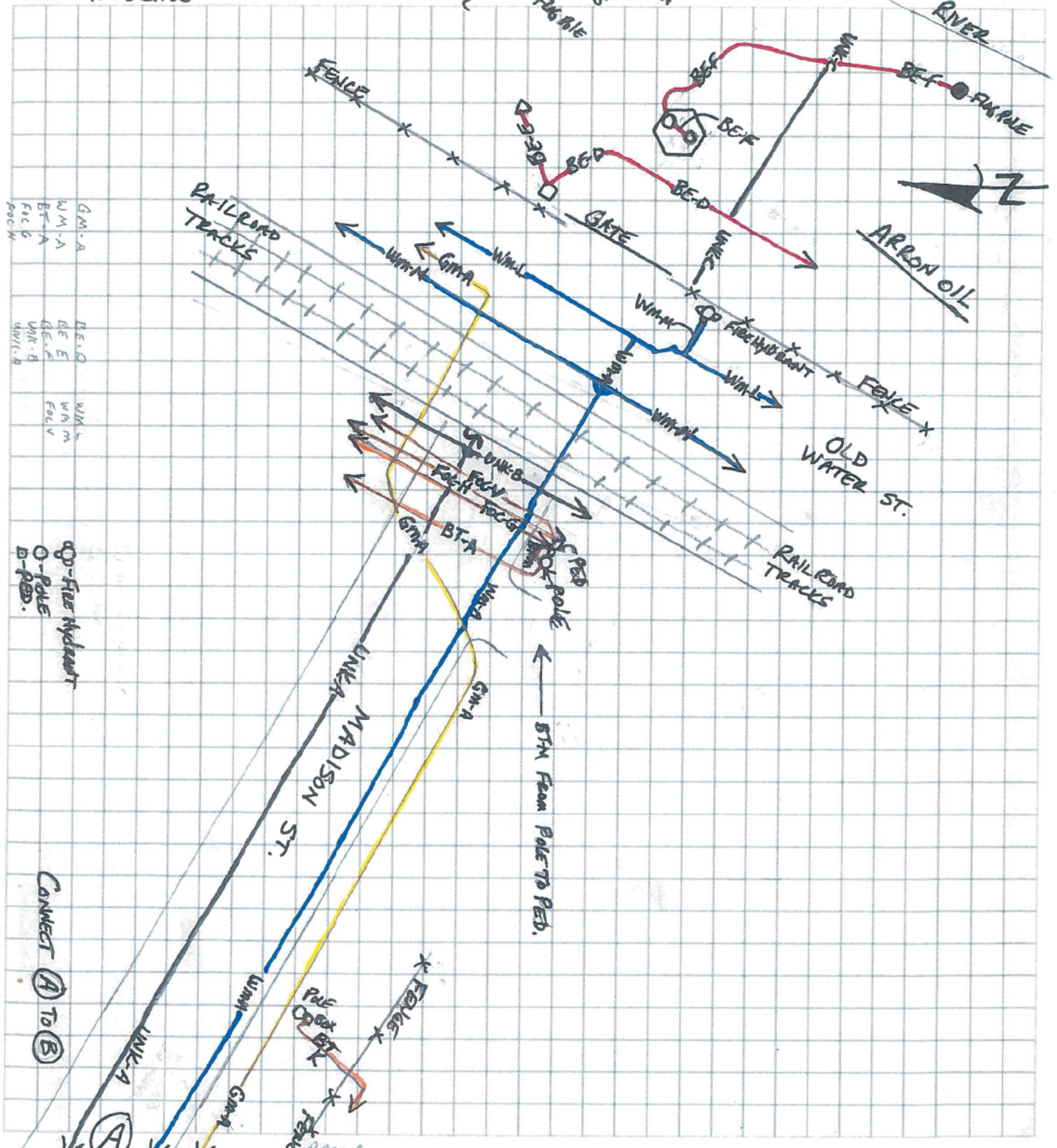
BY JH DATE 10-4-17

CK SLA DATE 10/24/17

"NOT TO SCALE"

US 98
"BATTLESHIP Pkwy."





I-10 MOBILE RIVER BRIDGE PROJECT

@ MADISON ST.

MOBILE, AL / MOBILE COUNTY

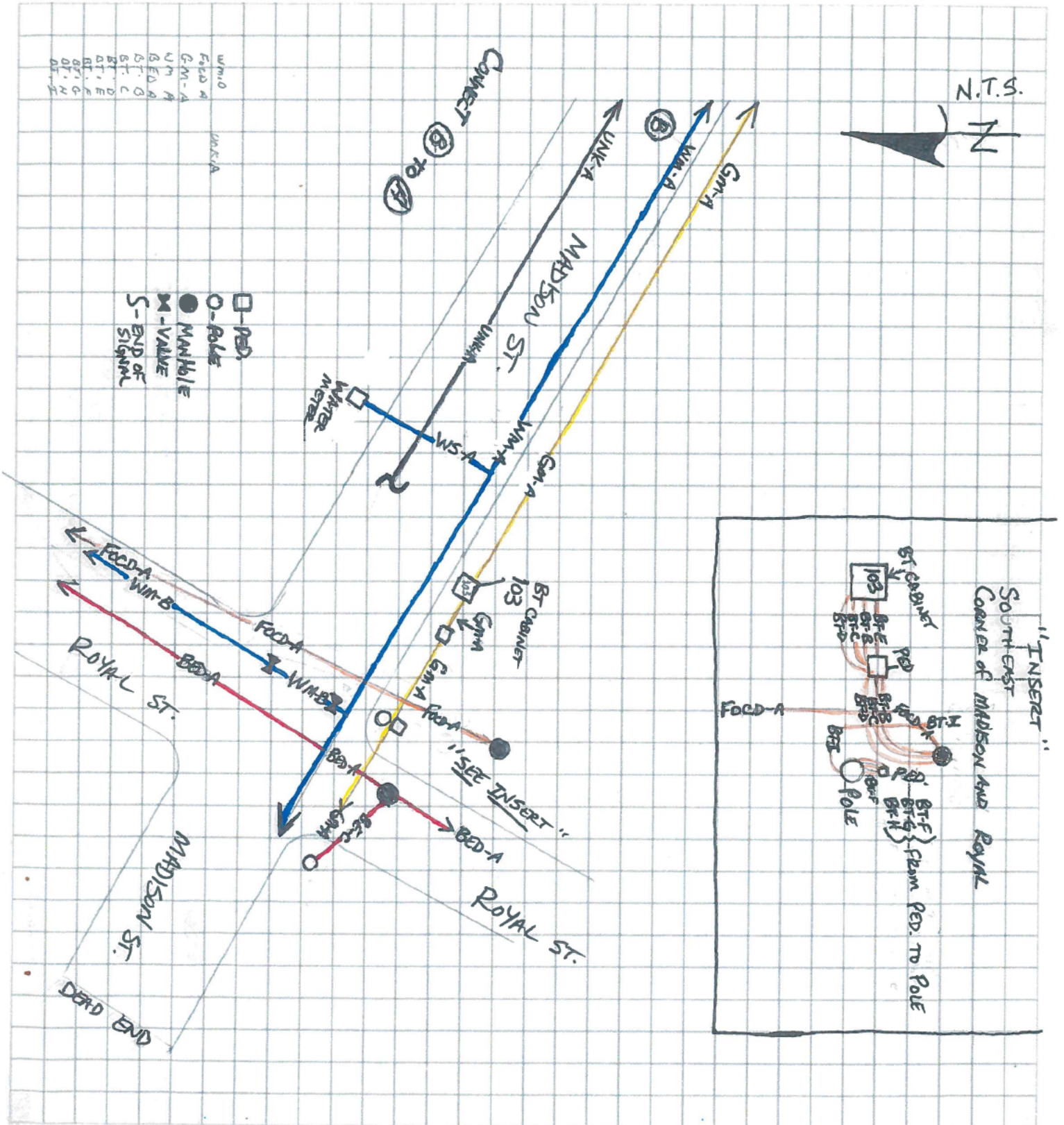
SHEET NO. 2 OF 2

JOB NO. AL 095-001-02

BY Dm DATE 10-14-17

CK SLA DATE 10/24/17

"NOT TO SCALE"



I-10 MOBILE RIVER BRIDGE PROJECT

@ CANAL ST.

MOBILE, AL / MOBILE COUNTY

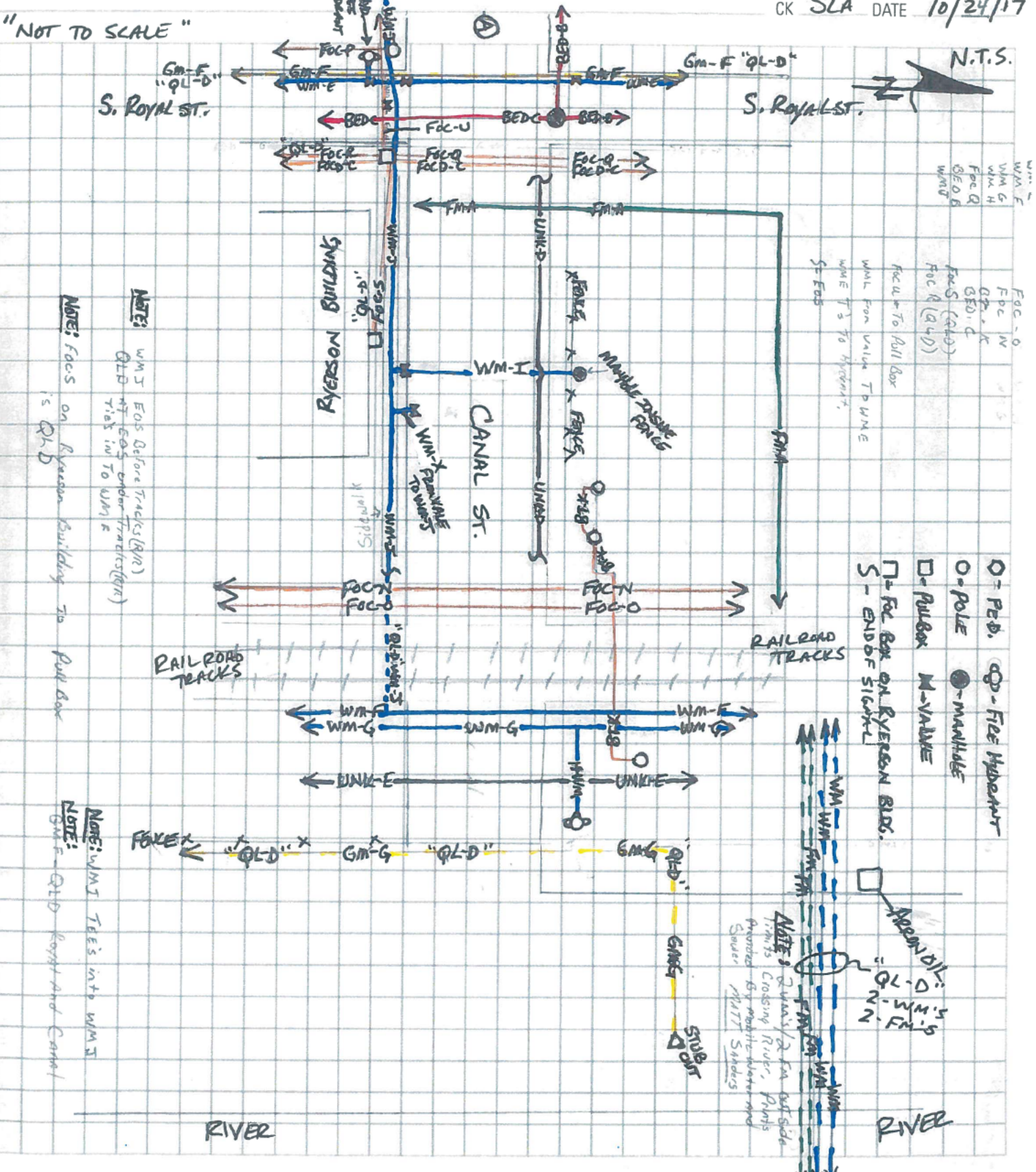
SHEET NO. 1 OF 2

JOB NO. AL095-001-02

BY DM DATE 10-16-17

CK SLA DATE 10/24/17

"NOT TO SCALE"



I-10 MOBILE RIVER BRIDGE PROJECT

@ CANAL ST.

MOBILE, AL / MOBILE COUNTY

SHEET NO. 2 OF 2

JOB NO. ALO95-001-02

BY Dm DATE 10-16-17

CK SLA DATE 10/24/17

"NOT TO SCALE"

○-POLE

●-MANHOLE

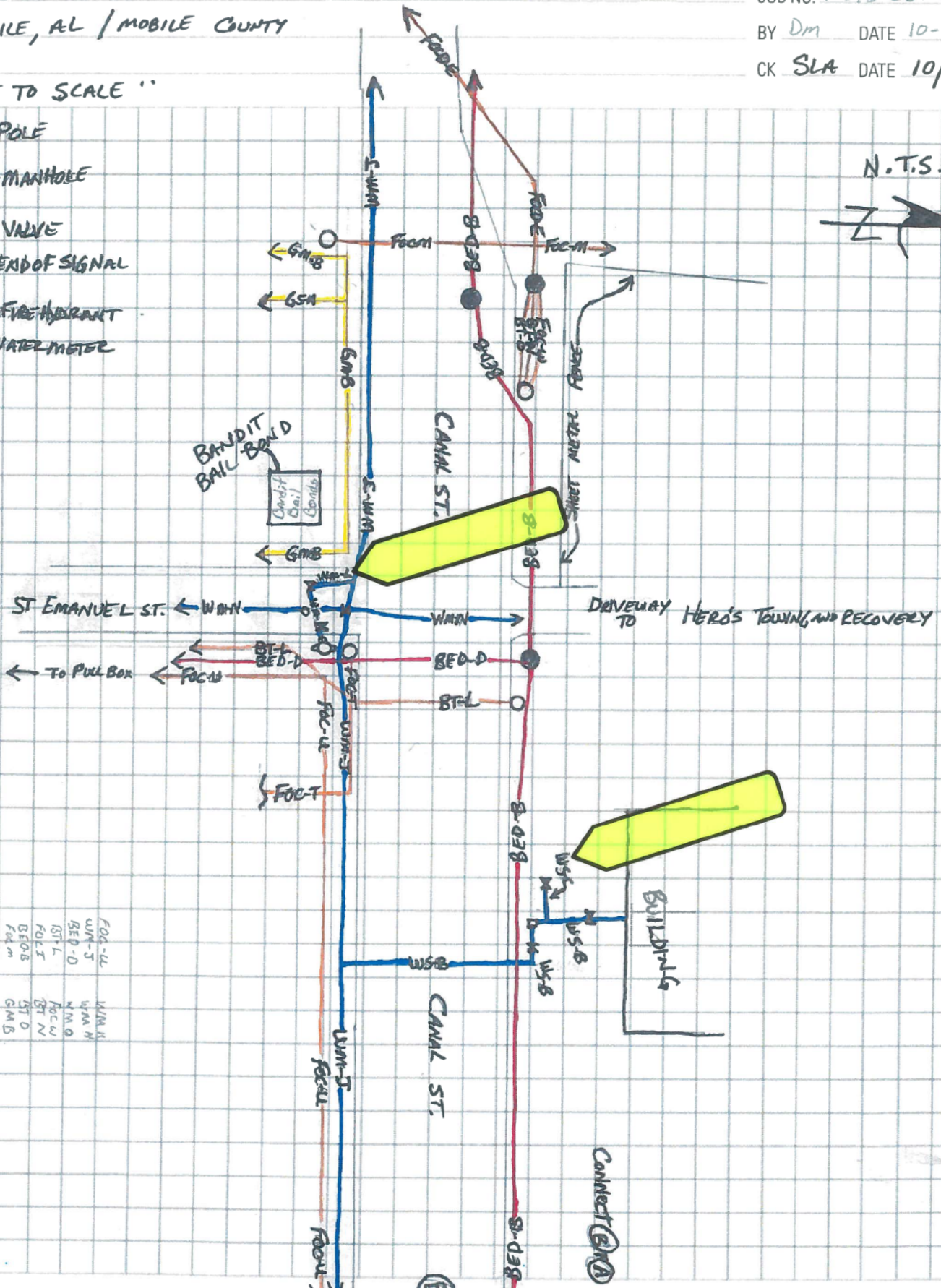
M-VALVE

S-END OF SIGNAL

○-FIRE HYDRANT

□-WATER METER

N.T.S.



FOG-LL
W-M-S
B-E-D
FOC-L
BT-L
W-M-H
W-M-D
FOC-U
BT-N
BT-D
G-M-B
FOC-M

(E)

Connect (E)A

I-10 MOBILE RIVER BRIDGE PROJECT
@ ELMIRA ST.
MOBILE, AL / MOBILE COUNTY

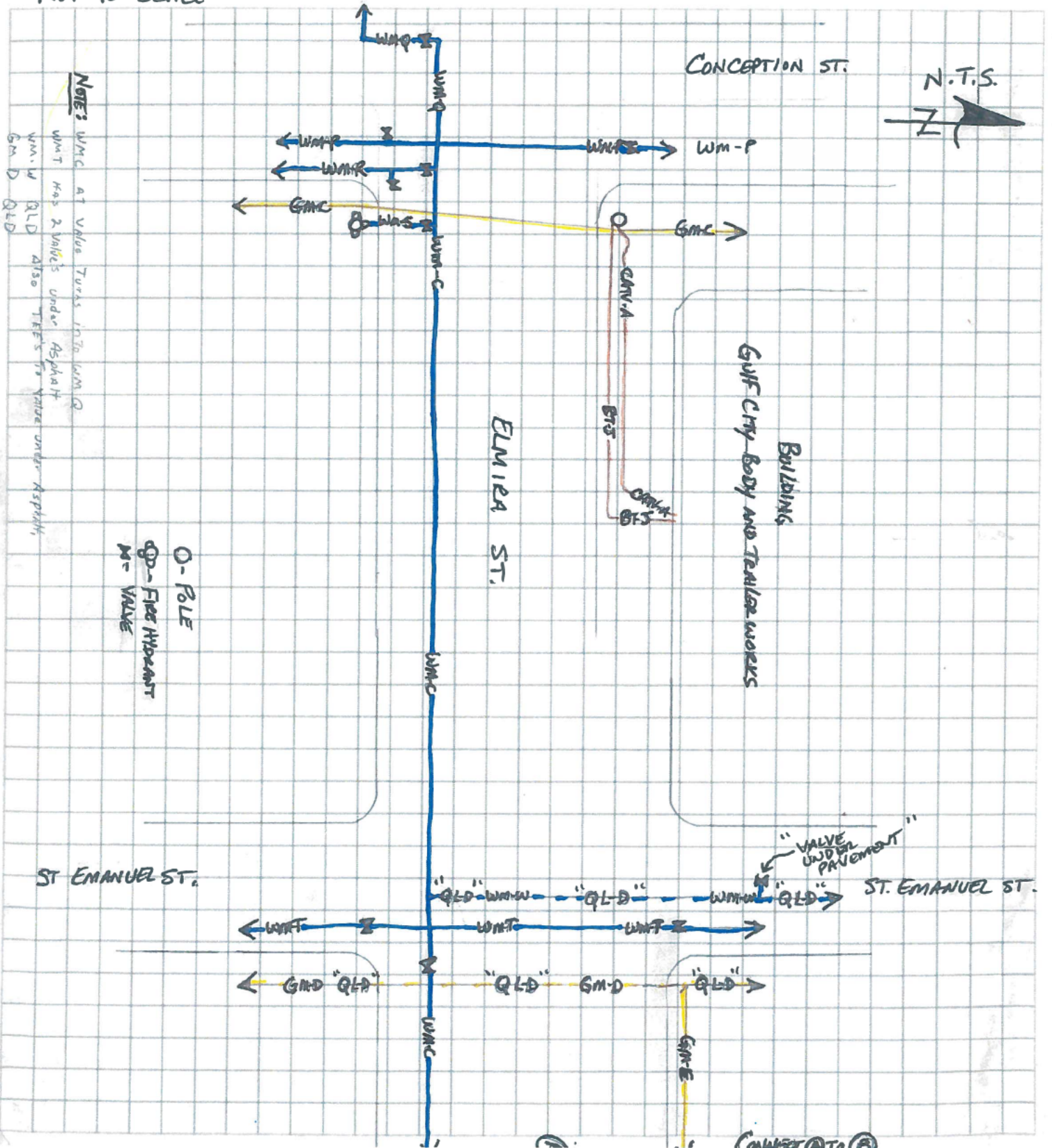
SHEET NO. **1** OF **4**

JOB NO. **AL095-001-02**

BY **DM** DATE **10-18-17**

CK **SLA** DATE **10/24/17**

"NOT TO SCALE"



Canalotti (C) TA (D)

I-10 MOBILE RIVER BRIDGE PROJECT

② ADDITIONAL DESIGNATED AREA ~

NORTH OF MADISON ST., ALONG OLD WATER ST / CSX RAILROAD
MOBILE, AL / MOBILE COUNTY

SHEET NO. 1 OF 1

JOB NO. AL095-001-02

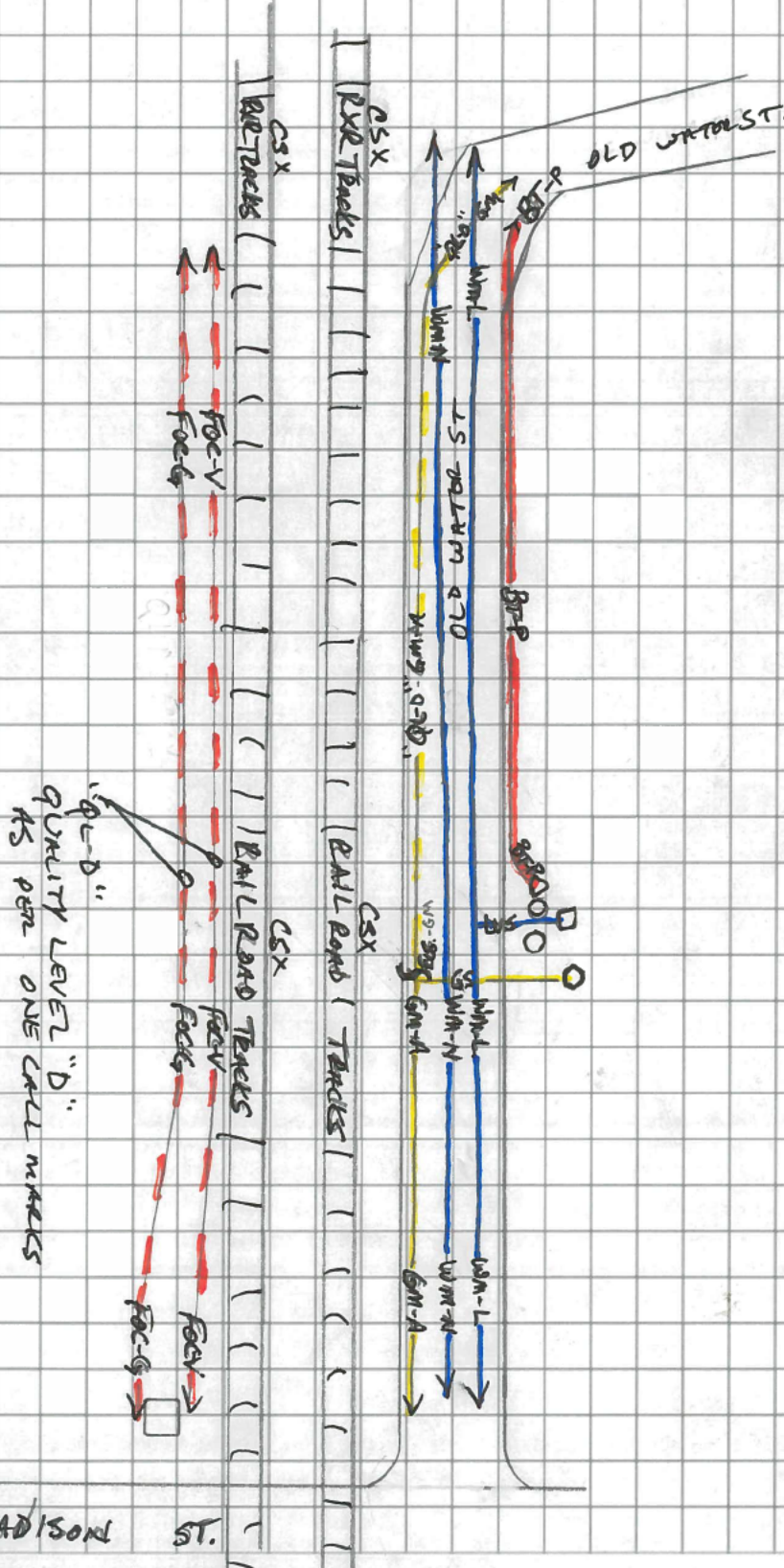
BY DM DATE 1-19-18

CK SLA DATE 1/22/18

"NOT TO SCALE"



- = GS STUB OUT
- = TELEPHONE POLE
- = CSX RAILROAD CONTROL HOUSE
- = WATER METER BOX
- △ = TELEPHONE PED.
- E.O.S = END OF SIGNAL



MADISON ST.

Date: 1/13/2018 - 1/26/2018, 7/9/2018 - 7/12/2018 Cardno Project No.: AL095.001.02 Truck No.: 550384 Client - Project No.: DPI-010 Work Order No.: Road No./ Name: I-10 Mobile River Bridge		Test Hole Data Form <div style="font-size: 1.2em; font-weight: bold; margin-bottom: 10px;">CARDNO</div> 159 SW Spencer Court, Suite 106 Lake City, Florida 32024 LB7975				Crew Members: CB,JH,DM City, State/ County: Mobile, AL/ Mobile County General Location: I-10 Mobile River Bridge ~ Madison St., Canal St., Elmira St., and Old Water St. Project Is: English <input checked="" type="checkbox"/> Metric <input type="checkbox"/>			
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Utility Type		Utility Material		Offset Measured From:	Surface Type	Identified By:
BE = Buried Electrical	RTC = Railroad Traffic Control	STL = Steel	CMP = Corrugated Metal Pipe	30 = Edge of Pavement	A = Asphalt	20 = Sleeve
GM = Gas Main	SL = Street Light	PVC = Polyvinyl Chloride	DCT = Duct	31 = Baseline	C = Concrete	21 = Hub / Lath
BT = Buried Telephone	TS = Traffic Signal	DIP = Ductile Iron Pipe	FIBG = Fiberglass	32 = Right of Way	NG = Natural Ground	22 = Nail / Disk*
FOC = Fiber Optic Cable	FOCD = Fiber Optic Cable Duct	VCP = Vitrified Clay Pipe	HDPE = High Density PE	33 = Centerline		23 = "X" in Concrete
WM = Water Main	GS = Gas Service	PE = Polyethylene Pipe		34 = Back of Curb	Abbreviations	24 = SIRC 5/8"***
SAN = Sanitary	WS = Water Service	AC = Transite		35 = Survey Hub		*Note 22 Set Nail and Disk Stamped "CARDNO TEST HOLE"
STM = Storm Sewer	UNK = Unknown Utility	CI= Cast Iron		36 = "X" in Concrete		
CATV = Cable Television	BED = Buried Electrical Duct	DBC = Direct Buried Cable		37 = Swing Ties		
FM = Force Main	BTD = Buried Telephone Duct	CP = Concrete Pipe		38 = Survey Coordinates		***Note 24 Set Iron Rod & Cap Stamped "CARDNO TEST HOLE"

Test Hole Field Date	Test Hole #	Utility Type	Utility Material	Utility Color	Utility Size (Diam.) O.D. (Outside Diameter) ft. & mm.	Survey Coordinates		Utility Manual Depth ft. & m.	Cross Sectional View	Utility Direction	Identified By	Surface Type	Apparent Utility Owner	Utility Photo(S)	Survey Point #
						Northing	Easting								
1/13/2018	1	WM	CI	BLACK	6"	246622 9938	1797803.7161	3.10'	○	↑↓	22	A	CITY OF MOBILE	TH1	VVH1
1/13/2018	2	GM	STL	BLACK	2"	246620 3856	1797817.8322	2.09'	○	↑↓	24	NG	MOBILE GAS	TH2	VVH2
1/13/2018	3	GM	PE	ORANGE	4½"	246582 5827	1798116.7480	2.48'	○	↑↓	24	NG	MOBILE GAS	TH3	VVH3
1/13/2018	4	GM	PE	ORANGE	2½"	246581 5633	1798118.7177	2.42'	○	↔	24	NG	MOBILE GAS	TH4	VVH4
1/13/2018	5	WM	CI	BLACK	6"	246580 3534	1798105.2271	3.10'	○	↑↓	22	A	CITY OF MOBILE	TH5	VVH5
1/13/2018	6	WS	COPPER	COPPER	1"	246603.1475	1797929.4209	1.10'	○	↑↓	24	NG	CITY OF MOBILE	TH6	VVH6
1/14/2018	7	FOCD	*	*	*	246537.7571	1798473.7282	4.76'	*	↑↓	24	NG	AT&T	TH7	VVH7
1/14/2018	8	WM	*	BLACK	*	246527.1306	1798507.3446	3.90'	*	↑↓	22	A	CITY OF MOBILE	TH8	VVH8
1/14/2018	9	PERFORMED TEST HOLE SEARCHING FOR WATER MAIN ~ UNABLE TO VER FY				246595 9616	1798099.9382	4½ Ft. X 3½ Ft. trench/ hole, Vacuumed 3½ Ft. Deep, and Probed with Air Lance 10 Ft. Deep			22	A	CITY OF MOBILE	TH9	VVH9
1/14/2018	10	UNK	STL	BLACK	5"	246587 8877	1798089.8177	2.72'	○	↑↓	22	A	UNKNOWN	TH10	VVH10
1/15/2018	11	WS	COPPER	COPPER	1"	246548 0000	1798327.1118	2.60'	○	↑↓	24	A	CITY OF MOBILE	TH11	VVH11

Notes: * = Unable to visually verify, due to depth and/or water table. TH# 9 & 25 - (2) VVH Test Holes were performed in effort to verify same Water Main (intersection of Elmira & Emmanuel). This water main was shown as Quality Level D (QL-D) per record drawings, during our Designating marking of utilities phase of project. As per City of Mobile, this could have been added to their records per as-builts, but may have never been installed.

~Utility bottom shown is apparent bottom. Actual bottom, additional material and/or other utilities may exist below apparent bottom ~

Prepared by: CB Date: 1/26/18
 Checked by: SLA Date: 2/2/18

Page 1 of 6

Date: 1/13/2018 - 1/26/2018, 7/9/2018 - 7/12/2018 Cardno Project No.: AL095.001.02 Truck No.: 550384 Client - Project No.: DPI-1010 Work Order No.: Road No./ Name: I-10 Mobile River Bridge		Test Hole Data Form CARDNO 159 SW Spencer Court, Suite 106 Lake City, Florida 32024 LB7975				Crew Members: CB,JH,DM City, State/ County: Mobile, AL/ Mobile County General Location: I-10 Mobile River Bridge ~ Madison St., Canal St., Elmira St., and Old Water St. Project Is: English <input checked="" type="checkbox"/> Metric <input type="checkbox"/>			
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Utility Type		Utility Material		Offset Measured From:	Surface Type	Identified By:
BE = Buried Electrical	RTC = Railroad Traffic Control	STL = Steel	CMP = Corrugated Metal Pipe	30 = Edge of Pavement	A = Asphalt	20 = Sleeve
GM = Gas Main	SL = Street Light	PVC = Polyvinyl Chloride	DCT = Duct	31 = Baseline	C = Concrete	21 = Hub / Lath
BT = Buried Telephone	TS = Traffic Signal	DIP = Ductile Iron Pipe	FIBG = Fiberglass	32 = Right of Way	NG = Natural Ground	22 = Nail / Disk*
FOC = Fiber Optic Cable	FOCD = Fiber Optic Cable Duct	VCP = Vitrified Clay Pipe	HDPE = High Density PE	33 = Centerline		23 = "X" in Concrete
WM = Water Main	GS = Gas Service	PE = Polyethylene Pipe		34 = Back of Curb	Abbreviations	24 = SIRC 5/8"***
SAN = Sanitary	WS = Water Service	AC = Transite		35 = Survey Hub		*Note 22 Set Nail and Disk Stamped "CARDNO TEST HOLE"
STM = Storm Sewer	UNK = Unknown Utility	CI= Cast Iron		36 = "X" in Concrete		
CATV = Cable Television	BED = Buried Electrical Duct	DBC = Direct Buried Cable		37 = Swing Ties		
FM = Force Main	BTD = Buried Telephone Duct	CP = Concrete Pipe		38 = Survey Coordinates		**Note 24 Set Iron Rod & Cap Stamped "CARDNO TEST HOLE"

Test Hole Field Date	Test Hole #	Utility Type	Utility Material	Utility Color	Utility Size (Diam.) O.D. (Outside Diameter) ft. & mm.	Survey Coordinates		Utility Manual Depth ft. & m.	Cross Sectional View	Utility Direction	Identified By	Surface Type	Apparent Utility Owner	Utility Photo(S)	Survey Point #
						Northing	Easting								
1/15/2018	12	GS	PE	ORANGE	1½"	246476 8500	1798615.4995	0.99'		↑	23	C	MOBILE GAS	TH12	VVH12
1/15/2018	13	PERFORMED TEST HOLE SEARCHING FOR GAS SERVICE - FOUND SHALLOW BURIED WOOD RAILROAD TIE				246508 0863	1798618.8379	FOUND WOOD RAILROAD TIE AT LESS THAN 1 FT. DEEP (REFER TO TH# 12) - MOVED TO SOUTH SIDE OF ELMIRA ST.			24	NG	MOBILE GAS	TH13	VVH13
1/15/2018	14	WM	CI	BLACK	6"	248915 9306	1798440.7435	2.84'		↑	22	A	CITY OF MOBILE	TH14	VVH14
1/16/2018	15	BED	CONC-DUCT	GRAY	15" WIDE	248913.1719	1798457.2498	2.01'		↑	22	A	ALABAMA POWER	TH15	VVH15
1/16/2018	16	BED	CONC-DUCT	GRAY	15" WIDE	248913.1182	1798458.5159	2.14'		↑	22	A	ALABAMA POWER	TH16	VVH16
1/16/2018	17	BT	DBC	BLACK	¾"	248913 9312	1798487.3290	2.14'		↑	24	NG	AT&T	TH17	VVH17
1/16/2018	18	WM	CI	BLACK	8"	248906 6032	1798583.9320	1.63'		↑	22	A	CITY OF MOBILE	TH18	VVH18
1/16/2018	19	WM	CI	BLACK	6"	248898 9968	1798803.7604	2.72'		↑	22	A	CITY OF MOBILE	TH19	VVH19
1/16/2018	20	GM	STL	BLACK	4½"	248902 3387	1798798.2945	1.40'		↑	24	NG	MOBILE GAS	TH20	VVH20
1/18/2018	21	BED	CONC-DUCT	GRAY	66" W DE	248899 8457	1798831.8134	3.88'		↑	22	A	ALABAMA POWER	TH21	VVH21
1/18/2018	22	BED	CONC-DUCT	GRAY	66" W DE	248898 9460	1798837.1405	4.26'		↑	22	A	ALABAMA POWER	TH22	VVH22

Notes: TH# 12 - performed on the south side of Elmira St., due to buried Railroad tie (Shallow) over the top of Gas Service (Refer to TH# 13).
 TH# 21 & 22 - Unable to get the bottom depth of BE-Duct, due to debris and/or over pour of concrete.

~Utility bottom shown is apparent bottom. Actual bottom, additional material and/or other utilities may exist below apparent bottom ~

Page 2 of 6

Prepared by: CB Date: 1/26/18
 Checked by: SLA Date: 2/2/18

Date: 1/13/2018 - 1/26/2018, 7/9/2018 - 7/12/2018 Cardno Project No.: AL095.001.02 Truck No.: 550384 Client - Project No.: DPI-I010 Work Order No.: Road No./ Name: I-10 Mobile River Bridge		Test Hole Data Form CARDNO 159 SW Spencer Court, Suite 106 Lake City, Florida 32024 LB7975				Crew Members: CB,JH,DM City, State/ County: Mobile, AL/ Mobile County General Location: I-10 Mobile River Bridge ~ Madison St., Canal St., Elmira St., and Old Water St. Project Is: English <input checked="" type="checkbox"/> Metric <input type="checkbox"/>			
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Utility Type		Utility Material		Offset Measured From:	Surface Type	Identified By:
BE = Buried Electrical	RTC = Railroad Traffic Control	STL = Steel	CMP = Corrugated Metal Pipe	30 = Edge of Pavement	A = Asphalt	20 = Sleeve
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BT = Buried Telephone	TS = Traffic Signal	DIP = Ductile Iron Pipe	FIBG = Fiberglass	32 = Right of Way	NG = Natural Ground	22 = Nail / Disk*
FOC = Fiber Optic Cable	FOCD = Fiber Optic Cable Duct	VCP = Vitrified Clay Pipe	HDPE = High Density PE	33 = Centerline		23 = "X" in Concrete
WM = Water Main	GS = Gas Service	PE = Polyethylene Pipe		34 = Back of Curb	Abbreviations	24 = SIRC 5/8"***
SAN = Sanitary	WS = Water Service	AC = Transite		35 = Survey Hub		*Note 22 Set Nail and Disk Stamped "CARDNO TEST HOLE"
STM = Storm Sewer	UNK = Unknown Utility	CI= Cast Iron		36 = "X" in Concrete		
CATV = Cable Television	BED = Buried Electrical Duct	DBC = Direct Buried Cable		37 = Swing Ties		
FM = Force Main	BTD = Buried Telephone Duct	CP = Concrete Pipe		38 = Survey Coordinates		**Note 24 Set Iron Rod & Cap Stamped "CARDNO TEST HOLE"

Test Hole Field Date	Test Hole #	Utility Type	Utility Material	Utility Color	Utility Size (Diam.) O.D. (Outside Diameter) ft. & mm.	Survey Coordinates		Utility Manual Depth ft. & m.	Cross Sectional View	Utility Direction	Identified By	Surface Type	Apparent Utility Owner	Utility Photo(S)	Survey Point #
						Northing	Easting								
1/18/2018	23	UNK	CI	RUSTY	12"	248889 8407	1798849.8893	1.82'	○	↔	22	A	UNKNOWN	TH23	VVH23
1/23/2018	24	UNK	STL	BLACK	4"	248884 3148	1799250.8194	1.19'	○	↑↓	22	A	UNKNOWN	TH24	VVH24
1/23/2018	25	PERFORMED TEST HOLE SEARCHING FOR WATER MAIN ~ UNABLE TO VER FY				246579 3616	1798109.6385	3½ Ft. Wide trench, Vacuumed 3 Ft. Deep, and Probed with Air Lance 7 Ft. Deep			22	A	CITY OF MOBILE	TH25	VVH25
1/23/2018	26	PERFORMED TEST HOLE SEARCHING FOR GAS MA N ~ UNABLE TO VERIFY				248883.4826	1799255.2465	3 Ft. Wide trench, Vacuumed 3 Ft. Deep, and Probed with Air Lance 7½ Ft. Deep			24	NG	MOBILE GAS	TH26	VVH26
1/24/2018	27	WM	CI	BLACK	*	248893 2156	1798988.4744	3.24'	○	↑↓	24	NG	CITY OF MOBILE	TH27	VVH27
1/25/2018	28	WM	CI	BLACK	6"	249554 0911	1799215.1761	2.90'	○	↑↓	24	NG	CITY OF MOBILE	TH28	VVH28
1/25/2018	29	BT	DBC	BLACK	¾"	249554 3134	1799221.4444	2.60'	○	↑↓	22	A	AT&T	TH29	VVH29
1/25/2018	30	UNK	*	*	*	248892 5343	1798858.7274	3.30'	*	↔	22	A	UNKNOWN	TH30	VVH30
1/25/2018	31	PERFORMED TEST HOLE SEARCHING FOR FORCE MAIN ~ UNABLE TO VERIFY				248903.4195	1798864.2144	3½ Ft. Wide trench, Vacuumed 3 Ft. Deep, and Probed with Air Lance 8 Ft. Deep			23	C	CITY OF MOBILE	TH31	VVH31
1/25/2018	32	PERFORMED TEST HOLE SEARCHING FOR FORCE MAIN ~ UNABLE TO VERIFY				248897.7001	1798862.6928	3½ Ft. Wide trench, Vacuumed 3 Ft. Deep, and Probed with Air Lance 8 Ft. Deep			23	C	CITY OF MOBILE	TH32	VVH32
1/25/2018	33	PERFORMED TEST HOLE SEARCHING FOR FORCE MAIN ~ UNABLE TO VERIFY				248904 0347	1798857.3194	3½ Ft. Wide trench, Vacuumed 3 Ft. Deep, and Probed with Air Lance 8 Ft. Deep			23	C	CITY OF MOBILE	TH33	VVH33

Notes: * = Unable to visually verify, due to depth and/or water table. TH# 27 - Unable to determine exact size of Water Main, due to plastic wrapping around pipe.

TH# 9 & 25 - (2) VVH Test Holes were performed in effort to verify same Water Main (Intersection of Elmira & Emmanuel). This water main was shown as Quality Level D (QL-D) per record drawings, during our Designating marking of utilities phase of project. As per City of Mobile, this could have been added to their records per as-builts, but may have never been installed.

TH# 31, 32, & 33 - (3) VVH Test Holes were performed in effort to verify same Force Main. This force main was shown as Quality Level D (QL-D) per record drawings, during our Designating marking of utilities phase of project.





~Utility bottom shown is apparent bottom. Actual bottom, additional material and/or other utilities may exist below apparent bottom ~

Page 3 of 6

Prepared by: CB Date: 1/26/18
 Checked by: SLA Date: 2/2/18

Date: 1/13/2018 ~ 1/26/2018, 7/9/2018 ~ 7/12/2018 Cardno Project No.: AL095.001.02 Truck No.: 550384 Client - Project No.: DPI-010 Work Order No.: Road No./ Name: I-10 Mobile River Bridge	Test Hole Data Form CARDNO 159 SW Spencer Court, Suite 106 Lake City, Florida 32024 LB7975	Crew Members: CB,JH,DM City, State/ County: Mobile, AL/ Mobile County General Location: I-10 Mobile River Bridge ~ Madison St., Canal St., Elmira St., and Old Water St. Project Is: English <input checked="" type="checkbox"/> Metric <input type="checkbox"/>
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Utility Type	Utility Material	Offset Measured From:	Surface Type	Identified By:
BE = Buried Electrical	STL = Steel	30 = Edge of Pavement	A = Asphalt	20 = Sleeve
GM = Gas Main	PVC = Polyvinyl Chloride	31 = Baseline	C = Concrete	21 = Hub / Lath
BT = Buried Telephone	DIP = Ductile Iron Pipe	32 = Right of Way	NG = Natural Ground	22 = Nail / Disk*
FOC = Fiber Optic Cable	VCP = Vitrified Clay Pipe	33 = Centerline		23 = "X" in Concrete
WM = Water Main	PE = Polyethylene Pipe	34 = Back of Curb	Abbreviations	24 = SIRC 5/8"***
SAN = Sanitary	AC = Transite	35 = Survey Hub		*Note 22 Set Nail and Disk Stamped "CARDNO TEST HOLE"
STM = Storm Sewer	CI= Cast Iron	36 = "X" in Concrete		
CATV = Cable Television	DBC = Direct Buried Cable	37 = Swing Ties		**Note 24 Set Iron Rod & Cap Stamped "CARDNO TEST HOLE"
FM = Force Main	CP = Concrete Pipe	38 = Survey Coordinates		

Test Hole Field Date	Test Hole #	Utility Type	Utility Material	Utility Color	Utility Size (Diam.) O.D. (Outside Diameter) ft. & mm.	Survey Coordinates		Utility Manual Depth ft. & m.	Cross Sectional View	 Utility Direction	Identified By	Surface Type	Apparent Utility Owner	Utility Photo(S)	Survey Point #
						Northing	Easting								
1/25/2018	34	FOC	*	*	*	248909 0142	1798845 8645	9 53'	*	↑	24	NG	AT&T	TH34	VVH34
1/25/2018	35	FOC	*	*	*	248909 0277	1798851 5320	7 30'	*	↑	24	NG	AT&T	TH35	VVH35
1/26/2018	36	SAN	PVC	GRAY	3½"	246443 8106	1799019.4102	0 68'		↑	24	NG	CITY OF MOBILE/ WORLD MARINE	TH36	VVH36
1/26/2018	37	FOC	CONCRETE CAP	GRAY	*	246447 0399	1799010 8619	2 28'		↑	24	NG	AT&T	TH37	VVH37
1/26/2018	38	FOC	PE	ORANGE	*	246533 5791	1798473 8072	3 20'		↑	23	C	AT&T	TH38	VVH38

Notes: * = Unable to visually verify, due to depth and/or water table.

TH# 36 - Sewer line was originally designated as a water main. As per facility maintenance person at World Marine, this pipe is a sewer pipe.

TH# 37 - FOC - has concrete cap covering the top of this fiber

~Utility bottom shown is apparent bottom. Actual bottom, additional material and/or other utilities may exist below apparent bottom ~

Prepared by: CB Date: 1/26/18
 Checked by: SLA Date: 2/2/18

Page 4 of 6

Date: 1/13/2018 ~ 1/26/2018, 7/9/2018 ~ 7/12/2018 Cardno Project No.: AL095.001.02 Truck No.: 550384 Client - Project No.: DPI-H010 Work Order No.: Road No./ Name: I-10 Mobile River Bridge	Test Hole Data Form CARDNO 159 SW Spencer Court, Suite 106 Lake City, Florida 32024 LB7975	Crew Members: CB,JH,DM City, State/ County: Mobile, AL/ Mobile County General Location: I-10 Mobile River Bridge ~ Madison St., Canal St., Elmira St., and Old Water St. Project Is: English <input checked="" type="checkbox"/> Metric <input type="checkbox"/>
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SAN = Sanitary	AC = Transite	35 = Survey Hub		*Note 22 Set Nail and Disk Stamped "CARDNO TEST HOLE"
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Test Hole Field Date	Test Hole #	Utility Type	Utility Material	Utility Color	Utility Size (Diam.) O.D. (Outside Diameter) ft. & mm.	Survey Coordinates		Utility Manual Depth ft. & m.	Cross Sectional View	Utility Direction	Identified By	Surface Type	Apparent Utility Owner	Utility Photo(S)	Survey Point #
						Northing	Easting								
7/9/2018	39	FOC	**	**	**	246497 0132	1798810 5368	10.06'	**	WEST EDGE	24	NG	CenturyLink (Qwest)	TH39	VVH39
7/9/2018	40	FOC	**	**	**	246497.1230	1798810 0075	10.15'	**	EAST EDGE	24	NG	CenturyLink (Qwest)	TH40	VVH40
7/9/2018	41	FOC	PVC	WHITE	2" ~See Note~	246496 9777	1798806 5633	4 02'		↑	24	NG	MCI/ Verizon	TH41	VVH41
7/9/2018	42	WM	***	***	***	246447 6607	1799005 6319	5 68'	***	↑	22	A	CITY OF MOBILE	TH42	VVH42
7/9/2018	43	WM	***	***	***	246447 9974	1798997.1362	4.18'	***	↑	22	A	CITY OF MOBILE	TH43	VVH43
7/10/2018	44	WM	***	***	***	248885.1568	1799242.1039	5.48'	***	↑	24	NG	CITY OF MOBILE	TH44	VVH44
7/10/2018	45	WM	***	***	***	248883 2755	1799228.1722	4 00'	***	↑	22	A	CITY OF MOBILE	TH45	VVH45
7/10/2018	46	RTC	PVC	GREY	4½"	248883 3198	1799228 5290	2 08'		↑	22	A	CSX	TH46	VVH46
7/10/2018	47	WM	***	***	***	249555 2018	1799201.7718	3.79'	***	↑	22	A	CITY OF MOBILE	TH47	VVH47
7/11/2018	48	FOC	STL	RUSTY	4½" ~See Note~	248885 8095	1799181 0872	1 96'		↑	24	NG	MCI/ Verizon	TH48	VVH48
7/11/2018	49	FOC	**	**	**	249555 6609	1799157 3124	6.79'	**	↑	24	NG	CenturyLink (Qwest)	TH49	VVH49
7/11/2018	50	RTC	DBC	BLACK	1¼"	249555 8052	1799156 6431	2 00'		↑	24	NG	CSX	TH50	VVH50

Notes: * = Unable to visually verify, due to depth and/or water table. ** = As per CenturyLink Locator (Carl) there are (4) Conduits within this Fiber System; 2 Orange, 1½ Black, Blue, and Green.

*** = As per Mobile Water, they have a 16" and 6" Cast Iron that run along Old Water St. (pertains to TH# 42 - 45, and 47).

~ MCI/Verizon locator (Danny Woodham) confirmed that this 2" PVC Conduit (TH# 41) and 4½" Steel casing (TH# 48) were MCI's Fiber facility along the CSX Railroad tracks.

~Utility bottom shown is apparent bottom. Actual bottom, additional material and/or other utilities may exist below apparent bottom ~

Prepared by: DM Date: 7/12/18
 Checked by: SLA Date: 7/13/18

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Date: 10/2/17 ~ 10/20/17, 1/13/18 ~ 1/26/18, 7/9/18 ~ 7/12/18 Client Project No.: AL095.001.002 Truck NO. 331535 Client Project No.: DPI-I010 Work Order No.: Road Name/No.: I-10 Mobile River Bridge (US 98)		Contact Form CARDNO 159 SW Spencer Court, Suite 106 Lake City, Florida 32024 LB7975			Crew Members: CB,JH,DM,DN,BW,SW City / County: Spanish Fort, AL/ Baldwin County General Location: I-10 Mobile River Bridge ~ US 98
DATE / TIME	NAME	COMPANY	CONTACT / EMAIL	UTILITY	NOTES
10/2/2017 12:32pm	Donald (Bo) Womack	Magnolia Brother Utility Consultants	Magnoliabrothers@gmail.com (601) 278-4027	C-Spire Fiber	Made contact and met with Donald. Stated his fiber was clear and had no conflict within our project limits.
10/2/17 3:10pm	Tonya Martinez	Level 3	(251) 281-7584	Level 3 Fiber	Made contact and met with Tanya on-site, discussed their Level 3 facilities at US 98 (Battleship Pkwy.). Tanya stated that their Level 3 runs along with AT&T-Next GEN fiber system. This conduit system has (24) 14", 14" Casing, and (6) 4" or 6" conduits. With several fiber companies that includes Level 3 and AT&T Next GEN facilities. Tanya mentioned that the best signal and way to tone this fiber system is to have AT&T send their dial up signal on their AT&T line. No utility record drawings were provided to Cardno for Level 3 facilities.
10/3/17 9:55am	Mike Williams	Level 3	(251) 281-7532	Level 3 Fiber	Made contact with and met with Mike on-site, discussed their Level 3 facilities within the project limits, which they are mostly buried in the Canal St. area.
10/3/17 11:00am	Lee Phillips	City of Mobile Water & Sewer Systems	(251) 689-6961	Water & Sewer	Made contact and met with Lee on-site, discussed their water and sewer facilities within our ASCE Quality Level "B" Designating project limits at the (4) locations. The water main at US 98 (Battleship Pkwy.) is newly installed and still being constructed at this time. This water main is HDPE directional bored at 90 feet +/- deep, going under I-10 and floating in the bay. There was a steel casing that was directional bored going under I-10 to the west and east side along the north side of US 98, that will not be useable, due to collapse of pipe while directional bore. Lee was able to provide Mobile Water & Sewer drawings for areas of downtown areas (Madison, Canal, and Elmira). At the end of Canal St., going across Mobile River, there are (2) Water Mains and (2) Force Mains. These lines are shown on our survey as Quality Level "D" (QL-D), as per Mobile Water & Sewer drawings. These (4) lines are just north of our project limits at this location.
10/3/17 called at 12:30pm	Kevin	AT&T - Transmission	(678) 429-1299	AT&T-Transmission Fiber	Made contact with Kevin, to meet on-site 10/4/17 at 10:00am.

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DATE / TIME	NAME	COMPANY	CONTACT / EMAIL	UTILITY	NOTES
10/3/2017 1:45pm	Tonya Martinez	Level 3	(251) 281-7584	Level 3 Fiber	Tanya stated that the Level 3 fiber was in the same fiber duct run as AT&T Next GEN.
10/3/2017 4:00pm	Carl	CenturyLink (Qwest)/ Madison River	(228) 348-0346	CenturyLink (Qwest) Fiber	Made contact and met with Carl on-site, discuss their fiber system within our ASCE Quality Level "B" Designating project limits. Carl verified the location of the CenturyLink (Qwest) fiber along the north side of US 98 (Battleship Pkwy.). Carl mentioned that CenturyLink (Qwest) did have a small amount of buried fiber within the areas of downtown (Madison, Canal, and Elmira) in which we were able to verify. No utility record drawings were provided to Cardno for CenturyLink (Qwest)/ Madison River facilities.
10/4/17 10:20am	Kevin	AT&T - Transmission	(678) 429-1299	AT&T-Transmission Fiber	Made contact and met with Kevin to discuss their AT&T – Transmission facilities within our project limits of US 98 (Battleship Pkwy.). Kevin stated that this fiber system was hard to tone, too deep, but does not run out in the bay. Kevin was able to send Cardno the as-built drawings for this fiber duct system. Cardno shows this AT&T – Transmission fiber system on survey as Quality Level "D" (QL-D), as per record drawings.
10/5/2017 1:00pm	Chris	CIG (Consolidated)	(513) 215-2206	AT&T - Distribution	Made contact and met with Chris on-site to discuss and verify the AT&T – Distribution facilities within our ASCE Quality Level "B" Designating project limits. Chris provided record drawings of AT&T-Dist. Facilities, mentioned that there have been some lines that have been placed aerial, shown as being buried within these drawings (within the downtown areas – Madison, Canal, and Elmira). Chris later mentioned and confirmed a telephone duct that runs on the north side of US 98 (Battleship Pkwy.) that is not on the AT&T record drawings. Cardno found a man hole inside project limits just east of I-10 and another manhole west of project limits going back towards Mobile. Cardno was able to tone sections of this AT&T telephone duct, but had to show as Quality Level "D" (QL-D) in the areas that could not be detected.

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DATE / TIME	NAME	COMPANY	CONTACT / EMAIL	UTILITY	NOTES
1/15/2018 8:54am	Lee Phillips	City of Mobile Water & Sewer Systems	(251) 689-6961	Water & Sewer	Made contact with Lee about the 8" PVC Water Main at the intersection of Elmira St. & Emmanuel St. Lee stated that the prints were old and could be incorrect. There have been locations that their City of Mobile drawings have shown utilities from As-Built drawings that have not been or that were never placed.
1/15/2018 9:17am	Lee Phillips	City of Mobile Water & Sewer Systems	(251) 689-6961	Water & Sewer	Lee continued to assist us in our attempt to verify the water main in the intersection of Elmira and Emmanuel St., stated there were some measurements of this water main being 6 ft. from the back of curb, which we performed search, but was still unable to verify.
1/16/2018 9:15am	Lee Phillips	City of Mobile Water & Sewer Systems	(251) 689-6961	Water & Sewer	Lee met us on-site, allowing us to take photos of the City of Mobile Water & Sewer drawings for the project.
1/16/2018 9:41am	Chris	CIG (Consolidated)	(513) 215-2206	AT&T - Distribution	Met Chris on-site, discuss project and had him to confirm the AT&T - Dist. facilities within project. Chris did mark some of the AT&T - Dist. utilities within project limits.
1/24/2018 8:53am	Dalmar	USIC	(251) 295-2758	Mobile Gas and Alabama Power	Met on-site to discuss the Gas Main that we were searching for at Old Water St. & Canal St. Dalmar did provide us with a drawing showing this gas main, but unable to get a good signal to assist us in verifying the location of this gas main. The hand drawing provided had some measurements and indicated this being a 4" Plastic/PE line.

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DATE / TIME	NAME	COMPANY	CONTACT / EMAIL	UTILITY	NOTES
7/9/2018	Nelson	USIC	(251) 295-2758	AT&T	Re-marked AT&T within the locations that we were performing VVH Test Holes; CSX Railroad Tracks/ Old Water St. at Elmira, Canal, and north of Madison St.
7/9/2018 - 7/12/2018 8:00am - 2:30pm	Danny Woodham	MCI/ Verizon	(251) 409-6872	MCI/ Verizon - Fiber	Danny stayed on-site while we performed VVH Test Holes on MCI/ Verizon facilities along CSX Railroad Right of Way. Danny assisted us with verification of their fiber and confirmed the size, material, of the MCI/ Verizon fiber as being a 2" PVC conduit, and that it did run into a 4½" Steel casing near Canal St.
7/9/2018 - 7/12/2018 8:00am - 2:00pm	Carl	CenturyLink (Qwest)/ Madison River	(228) 348-0346	CenturyLink (Qwest) Fiber	Carl stayed on-site while we performed VVH Test Holes on CenturyLink (Qwest) facilities along CSX Railroad Right of Way. Carl assisted us with verification of their fiber and stated that it was deep throughout this area (electronic depths between 7 ft. to 17 ft. deep). Carl stated the CenturyLink (Qwest) fiber system was (4) conduits - 2" Orange, 1½" Black, Blue, and Green conduits. Location near Canal, Unable to Verify, getting electronic depths of 12 ft. - 17 ft. in depth.
7/9/2018 - 7/12/2018 6:30am - 7:00pm	Allen Travis	CSX ~ Roadmaster - Flagman	(228) 327-1467	CSX ~ Roadmaster - Flagman	On-site for CSX Flagging and notification of ongoing train activity. Discussed and directed us in the safety drills for CSX Railroad
7/10/2018 - 7/12/2018	Mike Irwin	Cardno	(561) 723-7669	Surveyor - PM	On-site to look over project