BOARD OF SUPERVISORS

MADISON COUNTY, MISSISSIPPI

Department of Engineering Tim Bryan, P.E., County Engineer

3137 South Liberty Street, Canton, MS 39046 Office (601) 790-2525 FAX (601) 859-3430

MEMORANDUM

May 12, 2023

To: Sheila Jones, Supervisor, District I
Trey Baxter, Supervisor, District II
Gerald Steen, Supervisor, District III
Karl Banks, Supervisor, District IV
Paul Griffin, Supervisor, District V

From: Tim Bryan, P.E., PTOE

County Engineer

Re: Telepak Networks, Inc./Cspire Utility Permit

County Road Name, Katherine Drive

The Engineering Department recommends approval of the permit application for Telepack Networks, Inc./Cspire for construction of underground fiber-optic internet utility, by method of directional bore, within the ROW of Katherine Lake subdivision including Katherine Drive.

Revised: 2/14/2019



PERMIT APPLICATION FOR THE CONSTRUCTION OR ADJUSTMENT OF A UTILITY WITHIN COUNTY ROAD RIGHT-OF-WAY

<u> Utility Information:</u>	Utility Name:			
Address:		<u>-</u>	City/State/Zip: _	
Contact Person:			Contact's Phone:	:
Project Information:	County Road Name:			se Appendix 1 for additional descriptions,
Beginning Location:		Endin	g Location:	
Length of Project:	Sec	tion:	Township:	Range:
Description of Work				
Check Box if Appendi	x 1 is to be included as a	part of this Applic	ation	

Whereas the above stated Utility makes application to the **Madison County Board of Supervisors** for a Construction Permit. Attached hereto are drawings and plans for the construction of the above facilities located within Madison County owned public rights-of-way. Once stamped by the Madison County Engineering Department, these plans shall not be changed or altered without written approval of the County Engineer, or his representative. A copy of the approved permit and plans shall be on-site at all times during construction.

The Applicant Utility shall comply with all policies, procedures and construction practices as outlined in *A Policy for The Accommodation of Utility Facilities within the Right-of-Way of all Public County Roads* (hereinafter referred to as the "Policy"), as adopted on November 1, 2005, by the **Madison County Board of Supervisors**, and which is hereby made a part of this Application Agreement.

If facilities are to be located within the Rights-of-Way of the County-Federal or State Aid System, Applicant Utility also agrees to comply with applicable provisions of *S.O.P. No. SA II-2-8, Accommodation of Utilities on Rights-of-Way,* issued by the State Aid Engineer and dated July 1, 2005.

The Applicant Utility understands and agrees that, except as herein granted, no right, title, claim, or easement to said road right-of-way is granted by the issuance of this permit. If this Utility is listed in the general provisions of the Policy, it will be adjusted to comply with same without cost to the County, unless the variance from the Policy has been approved by the granting of the Permit pursuant to this Application.

The Applicant Utility further understands that the Utility's engineering, plant, or other personnel will be responsible for the staking and construction supervision of the work set out above and as shown on the attached plans. If work impacts traffic in any way, the appropriate traffic control shall be installed per the *Manual of Uniform Traffic Control Devices*, Latest Edition.

The Applicant Utility understands that the County Engineer, or his representative, may issue a Stop Work Order at any time if it is deemed that site conditions are not suitable for construction or if any of the requirements of this permit are not being met.

Many County Roads have variable Rights-of-Way and/or no Right-of-Way at all and are maintained under a Prescriptive Easement. It is the sole responsibility of the Applicant Utility to verify the existence and limits of public rights-of-way. If none exists, it is the

responsibility of the Applicant Utility to acquire an easement for their Facilities from the applicable property owner(s). Madison County in no way verifies the limits of Right-of-Way as shown on the permit application.

The Applicant Utility shall be responsible for all future maintenance and repair of the facilities installed under this permit. The Applicant Utility shall make future adjustments to, or relocate, the facilities located within road or highway right-of-way when required for road or highway widening or other road or highway construction at no cost to Madison County. The Applicant Utility shall relocate said utilities within sixty (60) days of notification by County by registered mail, return receipt requested, unless otherwise designated by the County Engineer. Further, any maintenance, repair, or construction shall be done in such a manner as to occasion no unreasonable interference with the normal flow and safety to traffic and at the expense of the utility company. When reasonable care has been taken to locate said utility facilities within the right-of-way, the Applicant Utility understands that any damages caused by routine maintenance and construction by County forces shall be borne by the Applicant Utility.

The Applicant Utility further agrees to indemnify and hold Madison County harmless for any and all claims, accidents, damages, liabilities and expenses occasioned wholly, or in part, by any act or omission of applicant, its agents or employees. In case County shall, without fault on its own part, be made a party to any litigation commenced by or against applicant, then applicant shall protect and hold County harmless, and shall pay all costs, expenses and reasonable attorney's fees incurred or paid by County in connection with said litigation.

N/0.

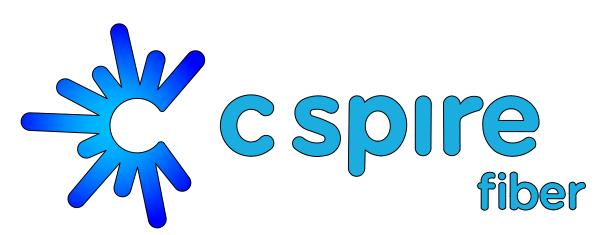
All underground facilities shall be installed at a depth equal to or greater than 48" below the lowest adjacent grade.

All pipes carrying liquid shall be encased under County maintained roads.

WITNE	SS the signature of the Applicant this the day of
	By: (Applicant Signature)
	Title:
Note:	Applicant must be an employee of the Utility named in this application. The Madison County Board of Supervisors will not recognize a Contractor, Subcontractor, Agent, or Consulting Engineer as the Applicant. Utility Company shall be fully responsible for all work performed under this application.
plans s	y authorized representative, have reviewed this application and determined that the drawing, sketches, and ubmitted by the Applicant meet the requirements of <i>A Policy for The Accommodation of Utility Facilities within</i>
the Rig	tht-of-Way of all Public County Roads. APPROVED
	By timothy.bryan at 2:22 pm, May 25, 2023
AGREE	Tim Bryan, P.E. County Engineer D TO AND APPROVED BY:
	Madison County Board President Date:
ENTER	ED INTO THE MINUTES OF THE BOARD OF SUPERVISORS OF MADISON COUNTY, MISSISSIPPI ON THIS
	DAY OF, 20

Appendix 1

County Road Name:			
Beginning Location:		Ending Location:	
Length of Project:	Section:	Township:	Range:
Description of Work:			
County Road Name:			
Beginning Location:		Ending Location:	
Length of Project:	Section:	Township:	Range:
Description of Work:			
County Road Name:			
Beginning Location:		Ending Location:	
Length of Project:	Section:	Township:	Range:
Description of Work:			
County Road Name:			
Beginning Location:		Ending Location:	
Length of Project:	Section:	Township:	Range:
Description of Work:			
County Road Name:			
Beginning Location:		Ending Location:	
Length of Project:	Section:	Township:	Range:
Description of Work:			



KATHERINE LAKE

CITY OF MADISON MADISON COUNTY, MISSISSIPPI 05/05/23



PERMITS REQUIRED

CITY: N/A

COUNTY: YES

MDOT: N/A

FEDERAL: N/A

RAILROAD: N/A

PRIVATE R/W: N/A

N/A

MISC:

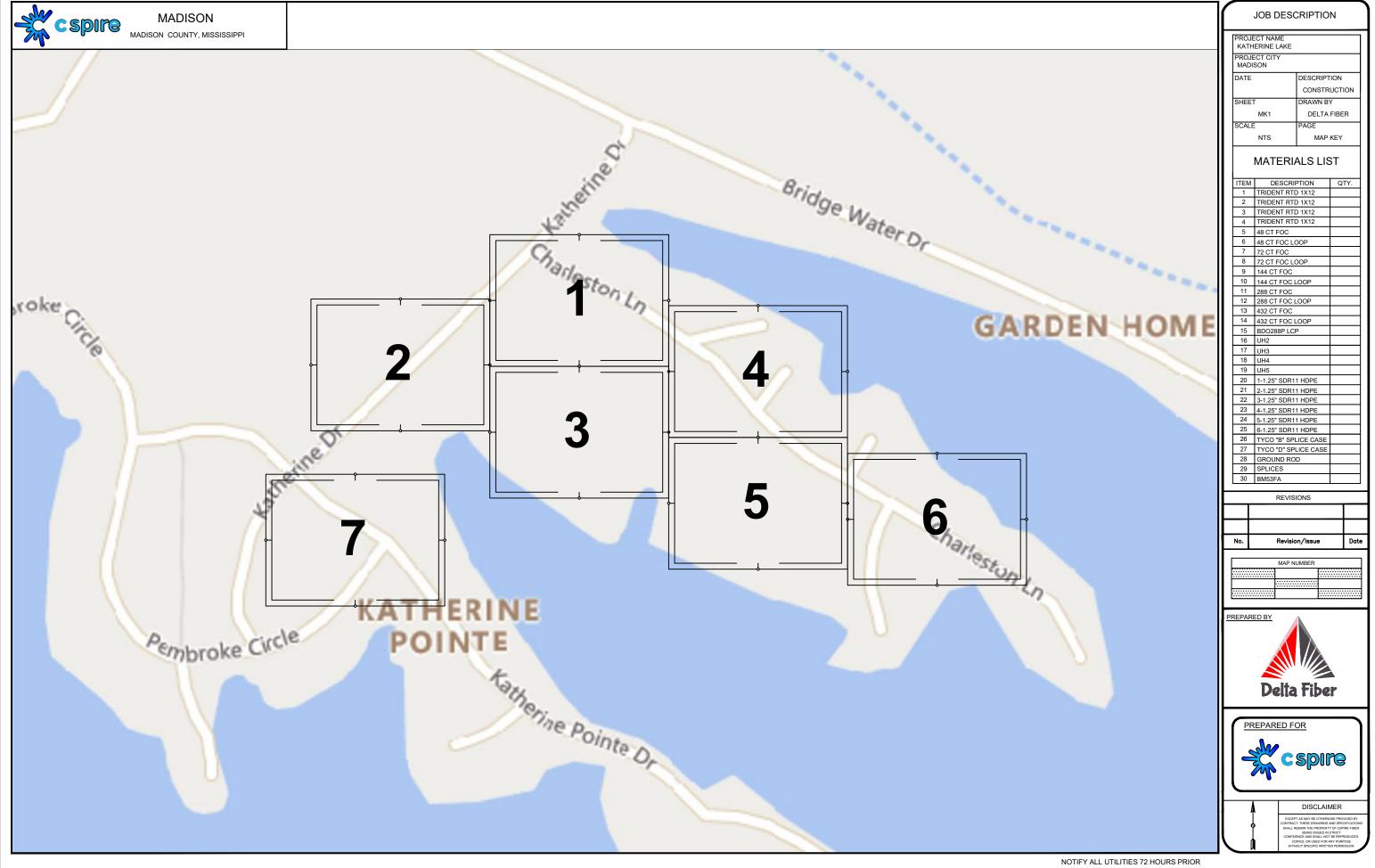
HOUSE COUNT

OCCUPIED: 0
VACANT: 53

TOTAL: 53

PREPARED BY:





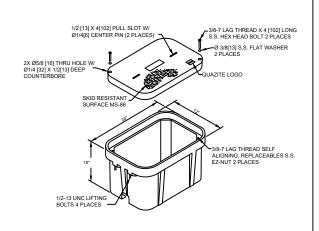
TO CONSTRUCTION ACTIVITY.

ONE CALL SYSTEM @ 1-800-227-6477

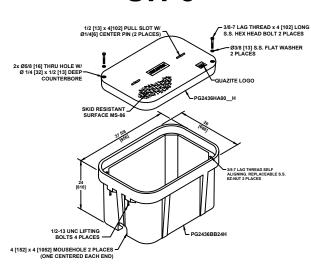


MADISON COUNTY, MISSISSIPPI

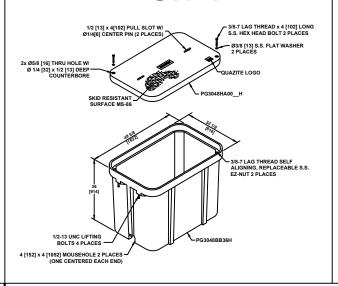
UH-2



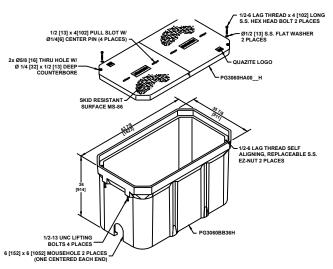
UH-3



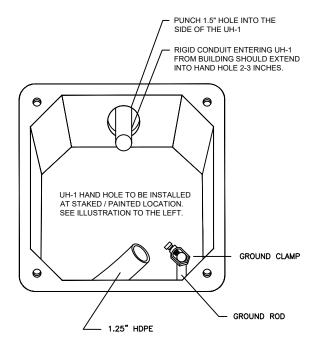
UH-4



UH-5

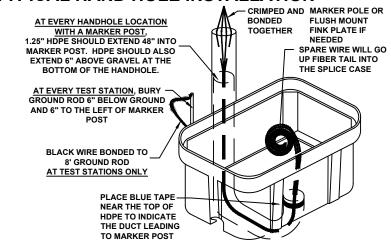


TYPICAL UH-1 / UH-2 HAND HOLE INSTALLATION PROCEDURES AT BUILDING ENTRIES



UH-1 / UH-2 INSTALLATION LOCATION WILL BE MARKED BY A STAKE AND/OR PAINT. CSPIRE/ OSP WILL INSTALL CONDUIT 8" UNDERGROUND TO DESIRABLE UH-1 LOCATION.

TYPICAL HAND HOLE INSTALLATION



NOTES

DESIGN/TEST

LOAD#

15'000 LBS

15'000 LBS

15'000 LBS

- 1. THIS ASSEMBLY IS RATED FOR A STATIC DESIGN LOAD OF 15,000 LBS. [66,720 N] OVER A 10 [254] X 10 [254] AREA AND MUST PASS A MIN. STATIC TEST LOAD OF 22,500 LBS. 1100 085 NI
- 2. ALL ENCLOSURES, BOXES AND COVERS, ARE REQUIRED TO CONFORM TO ALL TEST PROVISIONS OF ANSISCTE 77 2007 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY" AS MANUFACTURED BY QUAZITE OR EQUIVALENT WITH TELEPAK NETWORK'S ENGINEER'S SIGNED APPROVAL. THE COVERS MUST BE RATED FOR TIER 15 APPLICATIONS AND BOXES RATED FOR TIER 22 APPLICATIONS AND IN NO ASSEMBLY CAN THE COVER DESIGN LOAD EXCEED THE DESIGN LOAD OF THE BOX. ALL COMPONENTS IN AN ASSEMBLY (BOX & COVER) ARE MANUFACTURED USING MATCHED SURFACE TOOLING, ALL COVERS ARE REQUIRED TO HAVE A MINIMUM COEFFICIENT OF FRICTION OF 0.50 IN ACCORDANCE WITH ASTM C 1028 AND HAVE TIER 15 AND "TELEPAK NETWORKS 800-342-3716" EMBOSSED ON THE TOP SURFACE. ALL COVER BOLTS TO BE SELF-CLEANING AUGER BOLT

DIMENSIONS ARE IN INCHES OR MILLIMETERS IN BRACKETS UNLESS OTHERWISE NOTED.

933# 423KG

563# 255KG

284# 129KG.

PIGTAILS ARE TO BE INSTALLED AT TEST STATION (T.S.) ONLY.

HANDHOLES ARE TO BE INSTALLED A MINIMUM OF THREE FEET

PART NO.

PG3060Z501

PG30487579

PG2436Z905

FROM ANY UTILITY OR POWER POLE.

BOXES (Nestable)

UH-5 30x60x36

UH-4 30x48x36

UH-3 24x36x24

DESCRIPTION

ALL CABLE WILL BE PLACED BY METHOD OF DIRECTIONAL BORE MIN 2' OFF ROW OR EASEMEN @ 42" DOC UNLESS OTHERWISE NOTED.

JOB DESCRIPTION

	PROJECT NAME	
-	KATHERINE LAKE	
	PROJECT CITY MADISON , MS.	
	DATE	DESCRIPTION
ı		CONSTRUCTION
	SHEET	DRAWN BY
ı	TYPICALS	DELTA FIBER
	SCALE	PAGE
ı	NTS	TYPICALS

MATERIALS LIST

QTY.

DESCRIPTION

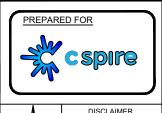
1 TRIDENT RTD 1X12 2 TRIDENT RTD 1X12

3	TRIDENT RTD 1X12	
4	TRIDENT RTD 1X12	
5	48 CT FOC	
6	48 CT FOC LOOP	
7	72 CT FOC	
8	72 CT FOC LOOP	
9	144 CT FOC	
10	144 CT FOC LOOP	
11	288 CT FOC	
12	288 CT FOC LOOP	
13	432 CT FOC	
14	432 CT FOC LOOP	
15	BDO288P LCP	
16	UH2	
17	UH3	
18	UH4	
19	UH5	
20	1-1.25" SDR11 HDPE	
21	2-1.25" SDR11 HDPE	
22	3-1.25" SDR11 HDPE	
23	4-1.25" SDR11 HDPE	
24	5-1.25" SDR11 HDPE	
25	6-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

No.	Revision	/Issue	Date
	MADAUM	IDED.	
	MAP NUM	BEK	

REVISIONS





DISCLAIMER

EXCEPT AS MAY BE OFFINE THE PROVIDED BY CONTRACT. THE DRAWNING AND DEFORMED BHALL REMAIN THE PROVIDENT OF CERTIFIE THE PROVIDENCE CONFEDIGE. AND WHALL NOT BE REPORTED COPED. OR USED FOR ANY PURPOSE WITHOUT SEFECTIVE SEFECTIVE WITHOUT SEFECTIVE SEFECTIVE WITHOUT SEFECTIVE SEFE



MADISON COUNTY, MISSISSIPPI

SYMBOLS KEY

			PROPERTY LINE	
DIRECTIONAL BORE ————————————————————————————————————	RAILROAD TRACKS		EDGE OF PAVEMENT	—EOP——EOP—
AERIAL CABLE	AUXILLARY TRACKS	50'	BACK OF CURB WHITE LINE	—BOC——BOC—
PLOW OR BURIED CABLE	CENTERLINE			—W/L —
DIRECTIONAL BORE 5" HDPE	WOOD LINE	L	RIGHT-OF-WAY LINE	
PVC OR SPLIT PVC CONDUIT	DITCH LINE		TAY DIOTRICT DOUBLEADY	T038-42
STMA 139 GRADE B STEEL			TAX DISTRICT BOUNDARY	51762A
ACK AND BORE	TOP OF SLOPE			$\langle 42'' \rangle$
ORE BORE	TOE OF SLOPE		PROBE (DEPTH AS INDACATED)	Y
	AERIAL UTILITY (ELECTRIC)	——— E ———		∳ P.T.F.
XISTING TELEPAK CABLE	UNDERGROUND UTILITY (TELEPHONE) (PARTIAL CAPSULE INDICATES COVER DEPTH IN IN	,	PERMIT TRACKING FORM IDENTIFIER	187
ROPOSED HANDHOLE EXISTING HANDHOLE	CAUTION NOTES	CAUTION CAUTION GAS X-ING	CAUTION WATER X-ING	
ANDHOLE (CABLE IN HDPE)	WATER VALVE	ØN		
H (CABLE IN PVC CONDUIT)	WATER METER	⊞	DELTA FIBER	TYPICAL LINETYPES
The section of the se	GAS VALVE	\Diamond	1-1.25 HDPE(1)1.25 HDPE(1)1.25	DPE(1)1.25 HDPE(1)1.25 HDPE(1)1.25 HDPE
ANDHOLE (CABLE IN GSP CONDUIT)	FIRE HYDRANT	-	2-1.25 HDPE ———(2)1.25 HDPE———(2)1.25	DPE (2)1.25 HDPE (2)1.25 HDPE (2)1.25 HDPE
ANHOLE		'		DPE
	STORM DRAIN			IDPE(5)1.25 HDPE(5)1.25 HDPE(5)1.25 HDPE
ANHOLE (CABLE IN HDPE)	SEWER MANHOLE	S	6-1.25 HDPE ————(6)1.25 HDPE————(6)1.25	(6)1.25 HDPE———(6)1.25 HDPE———(6)1.25 HDPE———
ANHOLE (CABLE IN PVC CONDUIT)	CULVERT		12CT FOC12CT FOC	2CT FOC12CT FOC
	COLVENT		24CT FOC ————24CT FOC————	4CT FOC24CT FOC24CT FOC
ANHOLE (CABLE IN BSP/GSP CONDUIT)	BOX CULVERT			8CT FOC48CT FOC
FRAME	CITY, COUNTY OR STATE BOUNDARY LINE		1.20.1.00	96CT FOC96CT FOC
DRE PIT				144CT FOC — 144CT
GHTNING ARRESTOR LIGHTNING ARRESTOR	R.R. CROSSING SIGNAL محمد المحمد الم	PUSH BRACE	30'-5-84 PB 288CT FOC 288CT FOC (2)288CT FOC (2)288CT FOC	88CT FOC
C/DC FILTER PROTECTION	R.R. SIGNAL ARM	JOINT USE POLE	⊗	
UMINUM HUB STYLE MARKER	K.R. SIGNAL ARW		1x4 TRIDENT ——1x4——	1x4 1x4 1x4
OWINOW HOD STILL WARREN	U/G TRANSFORMER	TELEPHONE POLE	1x8 TRIDENT ————————————————————————————————————	1x0
EEL MARKER	STREET/SIGNAL LIGHT O	CONCRETE POLE	© 2x12 TRIDENT ——(2)1x12——	(2)1x12(2)1x12(2)1x12(2)1x12
AT COMPOSOLITE MARKER	PARKING METER $ riangle$	STEEL POLE	S RIGHT OF WAY — RW	
IBULAR MARKER	STEEL/WOOD POST 0	POWER POLE	X DRIVEWAY —	
SHT-OF-WAY MARKER	SIGN q	TRANSFORMER POLE	EDGE OF PAVEMENT	
CHT-OF-WAY MARKER	FENCE LINE		CENTERLINE OF ROAD	
GHT-OF-WAY PIN	TELEPHONE/CATV PED ☑	GROUND WIRE	DROPS TO HOUSES — — —	
15 15 15	TREE 💮		AERIAL IMAGES	
ILE POST MARKER DTE: DASHED = (NOT FOUND IN FIELD)		BOND AND GROUND	PROPERTY LINE PL	PL PL
' '	BUSH		UNLITT EAGLIMENT	

,	JOB DESC	CRIPTIO	N
	CT NAME		
	ERINE LAKE		
	SON , MS.		
DATE		DESCRIPT	ION
		CONSTR	UCTION
SHEET	Г	DRAWN B	Y
L	.EGEND	DELTA	FIBER
SCALE		PAGE	
	NTS	LEGE	END
	MATERIA		
ITEM			QTY.
1	TRIDENT RTD		
2	TRIDENT RT		
3	TRIDENT RTI		
4	TRIDENT RTI) 1X12	
5	48 CT FOC		
7	48 CT FOC LO	OOP	
8	72 CT FOC	200	
9	72 CT FOC LC	JOP	
10	144 CT FOC L	OOR	
11	288 CT FOC L	JUUF	
12	288 CT FOC L	OOP	
13	432 CT FOC		
14	432 CT FOC L	.OOP	
15	BDO288P LCF		
16	UH2		
17	UH3		
18	UH4	, and the second	
19	UH5		
20	1-1.25" SDR1	1 HDPE	
21	2-1.25" SDR1		
22	3-1.25" SDR1	1 HDPE	

		MAP NUMBER	
٠,			
	No.	Revision/Issue	Date
		REVISIONS	
	30	BM53FA	
	29	SPLICES	
	28	GROUND ROD	
	27	TYCO "D" SPLICE CASE	
	26	TYCO "B" SPLICE CASE	
	25	6-1.25" SDR11 HDPE	
	24	5-1.25" SDR11 HDPE	
	23	4-1.25" SDR11 HDPE	
	22	3-1.25" SDR11 HDPE	

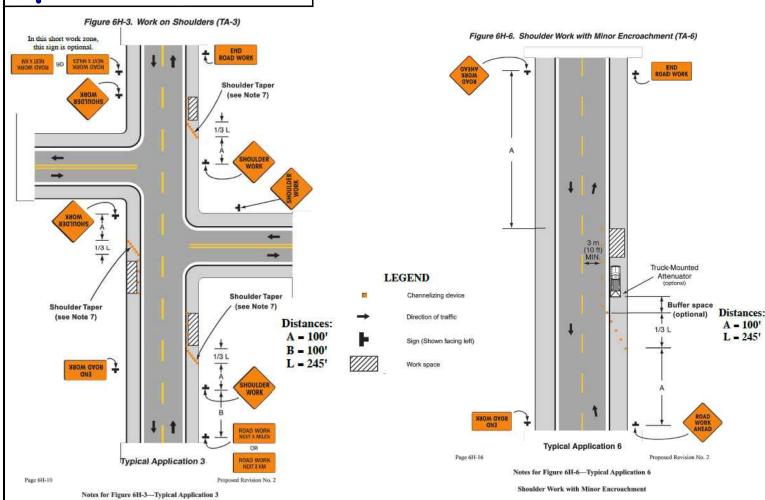




DISCLAIMER



MADISON COUNTY, MISSISSIPPI



CONSTRUCTION SIGNS

FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS







W20-1 SIGNS ARE REQUIRED WHEN SHOULDER WORK IS PERFORMED WITH MINOR ENCROACHMENT TO TRAVEL LANE OR FLAGGING OPERATIONS. SEE TCP-2, FIGURE 6H-6.

DISTANCE BETWEEN SIGNS			
ROAD TYPE	А	В	С
URBAN (35 MPH OR LESS)	100 FT.	100 FT.	100 FT.
URBAN (40 - 70 MPH)	350 FT.	350 FT.	350 FT.
RURAL	500 FT.	500 FT.	500 FT.
EXPRESSWAY / FREEWAY	1000 FT.	1500 FT.	2640 FT.

- 1. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
- 2. SIGNS ARE ONLY REQUIRED WHILE CONTRACTOR IS WORKING. THEY SHALL BE INSTALLED PRIOR TO WORK COMMENCING EACH DAY AND REMOVED WHEN WORK IS COMPLETED AT THE END OF THE DAY.
- 3. SIGNS MAY BE MOUNTED ON TRIPODS. THE LOCATION AND SPACING OF SIGNS, AS SHOWN ON THESE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
- 4. CHANNELIZING DEVICES ARE NOT SHOWN ON THIS PLAN, BUT ARE REQUIRED AROUND ACTIVE WORK ZONES (SEE TCP-2).

WORK ON SHOULDERS

Work on Shoulder

GUIDANCE:

1. A SHOULDER WORK sign should be placed on the left side of the roadway for a divided or one-way street only if the left shoulder is affected

OPTION:

- 2. The workers symbol signs may be used instead of SHOULDER WORK signs.
- 3. The SHOULDER WORK AHEAD sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to
- 4. For short-duration operations of 60 minutes or less, all signs and channelizing devices may be eliminated if a vehicle with activated rotating lights or strobe lights is used.
- 5. Vehicle hazard warning signals may be used to supplement rotating lights or strobe lights.

STANDARD:

- 6. Vehicle hazard warning signals shall not be used instead of the vehicle's rotating lights or strobe lights
- 7. When paved shoulders having a width of 2.4 m (8ft) or more are closed, at least one advance warning sign shall be used. In addition, channelizing devices shall be used to close the shoulder in advance to delineate the beginning of the work space and direct vehicular traffic to remain within the traveled way.

SHOULDER WORK WITH MINOR ENCROACHMENT

GUIDANCE:

- 1. All lanes should be a minimum of 3 m (10ft) in width as measured to the near face of the channelizing devices.
- 2. The treatment shown should be used on a minor road having low speeds. For higher-speed traffic conditions, a lane closure should be used.

OPTION:

- 3. For short-term use on low-volume, low-speed roadways with vehicular traffic that does not include longer and wider heavy commercial vehicles, a minimum lane width of 2.7 m (9ft) may be used.
- 4. Where the opposite shoulder is suitable for carrying vehicular traffic and of adequate width, lanes may be shifted by use of closely spaced channelizing devices, provided that the minimum lane width of 3 m (10ft) is maintained.
- 5. Additional advance warning may be appropriate, such as ROAD NARROWS sign.

- 6. Temporary traffic barriers may be used along with the work space.
- 7. The shadow vehicle may be omitted if a taper and channelizing devices are used.
- 8. A truck-mounted attenuator may be used on the shadow vehicle.
- 9. For short-duration work, the taper and channelizing devices may be omitted if a shadow vehicle with activated rotating lights or strobe lights is used.
- 10. Vehicle hazard warning signals may be used to supplement rotating lights or strobe lights.

STANDARD:

11. Vehicle hazard warning signals shall not be used instead of the vehicle's rotating lights or strobe lights.

JOB DESCRIPTION

PROJECT NAME KATHERINE LAKE	
PROJECT CITY MADISON	
DATE	DESCRIPTION
	TRAFFIC CONTROL
SHEET	DRAWN BY
TC1	DELTA FIBER
SCALE	PAGE
	TC1

ITEM	DESCRIPTION	QTY
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	TRIDENT RTD 1X12	
5	48 CT FOC	
6	48 CT FOC LOOP	
7	72 CT FOC	
8	72 CT FOC LOOP	
9	144 CT FOC	
10	144 CT FOC LOOP	
11	288 CT FOC	
12	288 CT FOC LOOP	
13	432 CT FOC	
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15	BDO288P LCP	
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17	UH3	
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26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

	REVISIONS		
No.	Revision/Issue	Da	

MAP NUMBER	

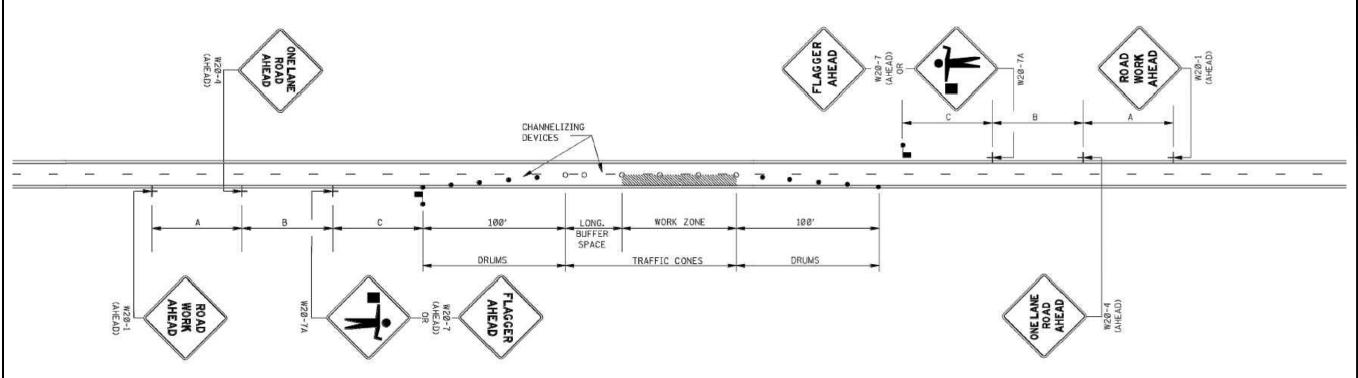




DISCLAIMER



MADISON COUNTY, MISSISSIPPI



GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE. FLAGGER STATIONS SHALL BE LOCATED SUCH THAT APPROACHING VEHICLES WILL HAVE SUFFICIENT DISTANCE TO STOP. VALUES IN STOPPING SIGHT DISTANCE COLUMN MAY BE USED AS A MINIMUM FOR THIS DISTANCE.

POSTED SPEED AND/OR	MAXIMUM CHANNELIZING DEVICE SPACING		LONGITUDINAL	STOPPING
DESIGN SPEED	TAPER	(ft) ALONG LANE LINE & WORK ZONE	BUFFER SPACE (ft)	SIGHT DISTANCE
mph 25	20	50	55	155
30	20	60	85	200
35	20	70	120	250
40	20	80	170	305
45	20	90	220	360
50	20	100	280	425
55	20	110	335	495
60	20	120	415	570
65	20	130	485	645

NOTE: BUFFER SPACE MAY BE ADJUSTED AS NEEDED ACCORDING TO ROADWAY GEOMETRY TO MEET SIGHT DISTANCE REQUIREMENTS, AS DIRECTED BY THE ENGINEER.

- 2. ALL CHANNELIZING DEVICES SHALL BE A MINIMUM OF 28" IN HEIGHT.
- 3. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 36" x 36" AND BLACK COPY ON FLUORESCENT ORANGE SHEETING.
- 4. WHEN WORK ZONE IS NO LONGER NEEDED, ALL SIGNS SHALL BE COVERED OR REMOVED AND ALL CHANNELIZING DEVICES SHALL BE MOVED TO THE SHOULDER EDGE.
- 5. ADDITIONAL FLAGGERS MAY BE NEEDED AS DIRECTED BY THE ENGINEER.
- 6. WHEN WORK IS REQUIRED AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED.
- 7. CHANNELIZING DEVICE TYPES FOR:
 A. APPROACH AND EXIT TAPERS RETROREFLECTIVE PLASTIC DRUMS
 B. ALONG LANE LINE AND WORK ZONE TRAFFIC CONES (28" HEIGHT)
- 8. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

JOB DESCRIPTION

	PROJECT NAME KATHERINE LAKE	
	PROJECT CITY MADISON	
	DATE	DESCRIPTION
		TRAFFIC CONTROL
ı	SHEET	DRAWN BY
	TC2	DELTA FIBER
ı	SCALE	PAGE
		TC2

MATERIALS LIST

ITEM DESCRIPTION QTY.

1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	TRIDENT RTD 1X12	
5	48 CT FOC	
6	48 CT FOC LOOP	
7	72 CT FOC	
8	72 CT FOC LOOP	
9	144 CT FOC	
10	144 CT FOC LOOP	
11	288 CT FOC	
12	288 CT FOC LOOP	
13	432 CT FOC	
14	432 CT FOC LOOP	
15	BDO288P LCP	
16	UH2	
17	UH3	
18	UH4	
19	UH5	
20	1-1.25" SDR11 HDPE	
21	2-1.25" SDR11 HDPE	
22	3-1.25" SDR11 HDPE	
23	4-1.25" SDR11 HDPE	
24	5-1.25" SDR11 HDPE	
25	6-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

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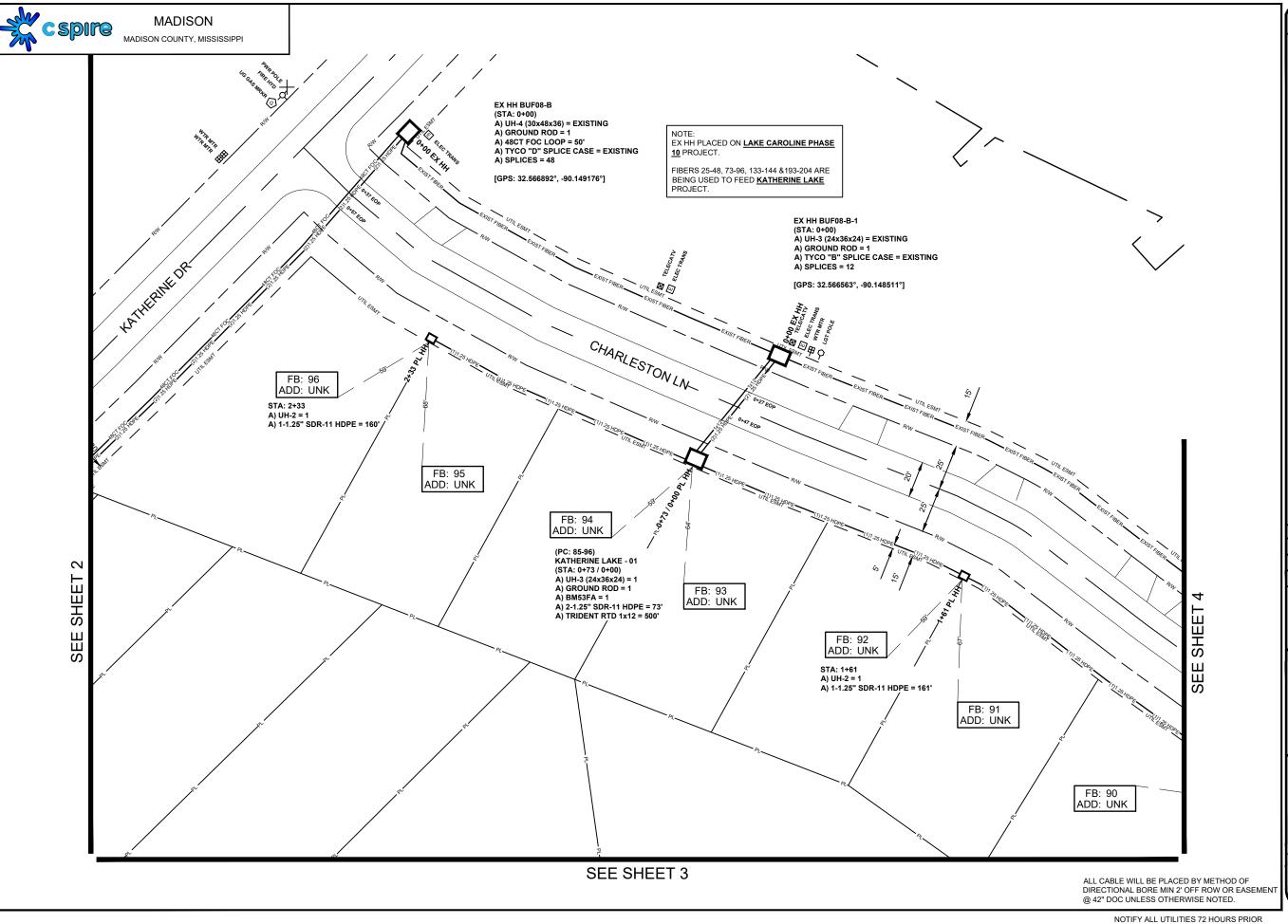
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	PROJECT CITY MADISON, MISSISS	PROJECT CITY MADISON, MISSISSIPPI		
1	DATE	DESCRIPTION		
1		CONSTRUCTION		
1	SHEET	DRAWN BY		
1	001	DELTA FIBER		
1	SCALE	PAGE		
1	1"=50'	1		

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	500
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	TRIDENT RTD 1X12	
5	24 CT FOC	
6	24 CT FOC LOOP	
7	48 CT FOC	
8	48 CT FOC LOOP	50
9	96 CT FOC	
10	96 CT FOC LOOP	
11	144 CT FOC	
12	144 CT FOC LOOP	
13	288 CT FOC	
14	288 CT FOC LOOP	
15	BDO288P LCP	
16	UH2	2
17	UH3	1
18	UH4	
19	UH5	
20	1-1.25" SDR11 HDPE	321
21	2-1.25" SDR11 HDPE	73
22	3-1.25" SDR11 HDPE	
23	4-1.25" SDR11 HDPE	
24	5-1.25" SDR11 HDPE	
25	6-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	1
27	TYCO "D" SPLICE CASE	1
28	GROUND ROD	3
29	SPLICES	60
30	BM53FA	1

REVISIONS			
No.	Revision/Issue	Date	

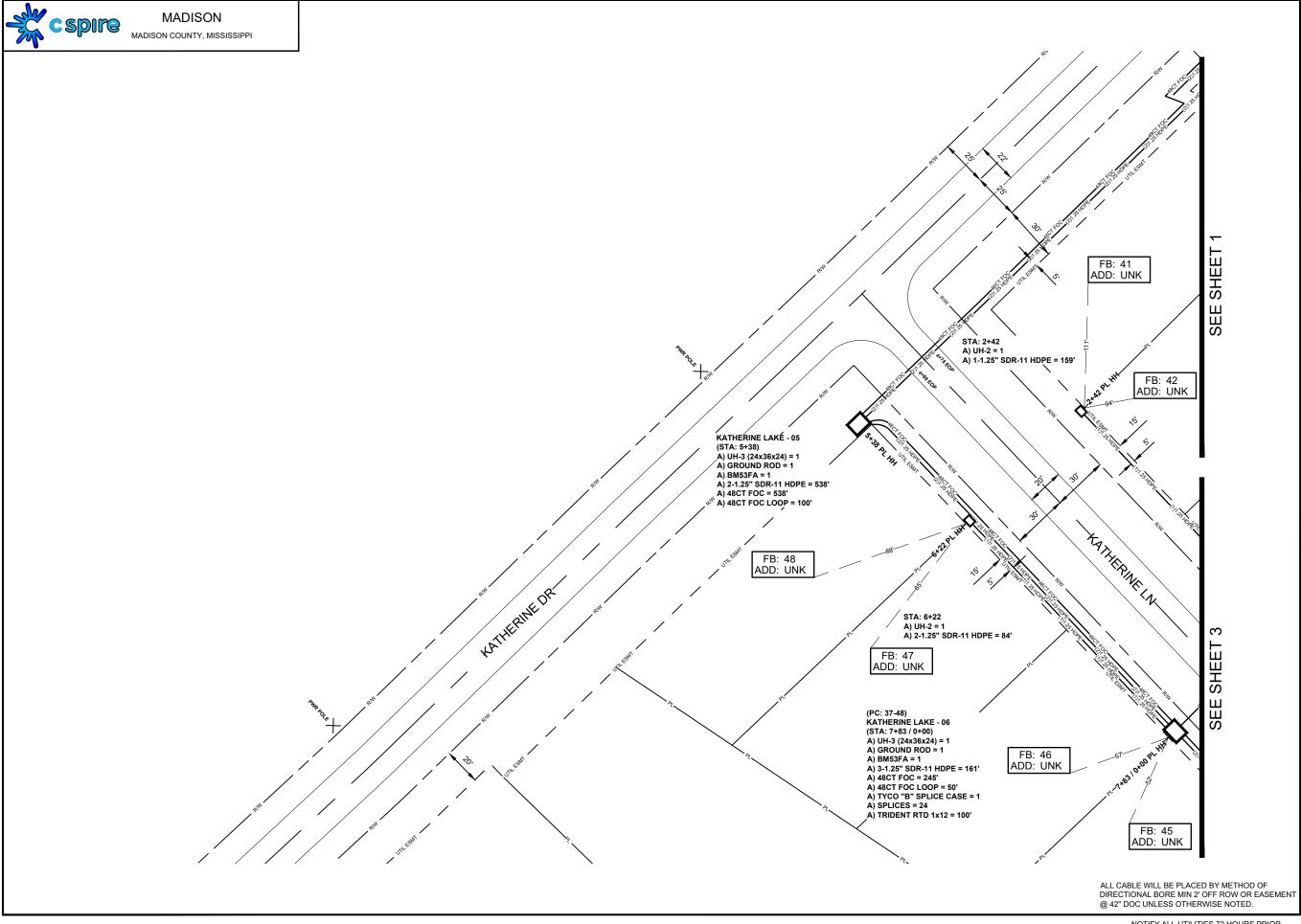
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PROJECT NAME KATHERINE LAKE		
PROJECT CITY MADISON, MISSISSIPPI		
DATE	DESCRIPTION	
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MATERIALS LIST

ITEM	DESCRIPTION	QTY
1	TRIDENT RTD 1X12	100
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	TRIDENT RTD 1X12	
5	24 CT FOC	
6	24 CT FOC LOOP	
7	48 CT FOC	783
8	48 CT FOC LOOP	150
9	96 CT FOC	
10	96 CT FOC LOOP	
11	144 CT FOC	
12	144 CT FOC LOOP	
13	288 CT FOC	
14	288 CT FOC LOOP	
15	BDO288P LCP	
16	UH2	2
17	UH3	2
18	UH4	
19	UH5	
20	1-1.25" SDR11 HDPE	159
21	2-1.25" SDR11 HDPE	622
22	3-1.25" SDR11 HDPE	161
23	4-1.25" SDR11 HDPE	
24	5-1.25" SDR11 HDPE	
25	6-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	1
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	2
29	SPLICES	24
30	BM53FA	2

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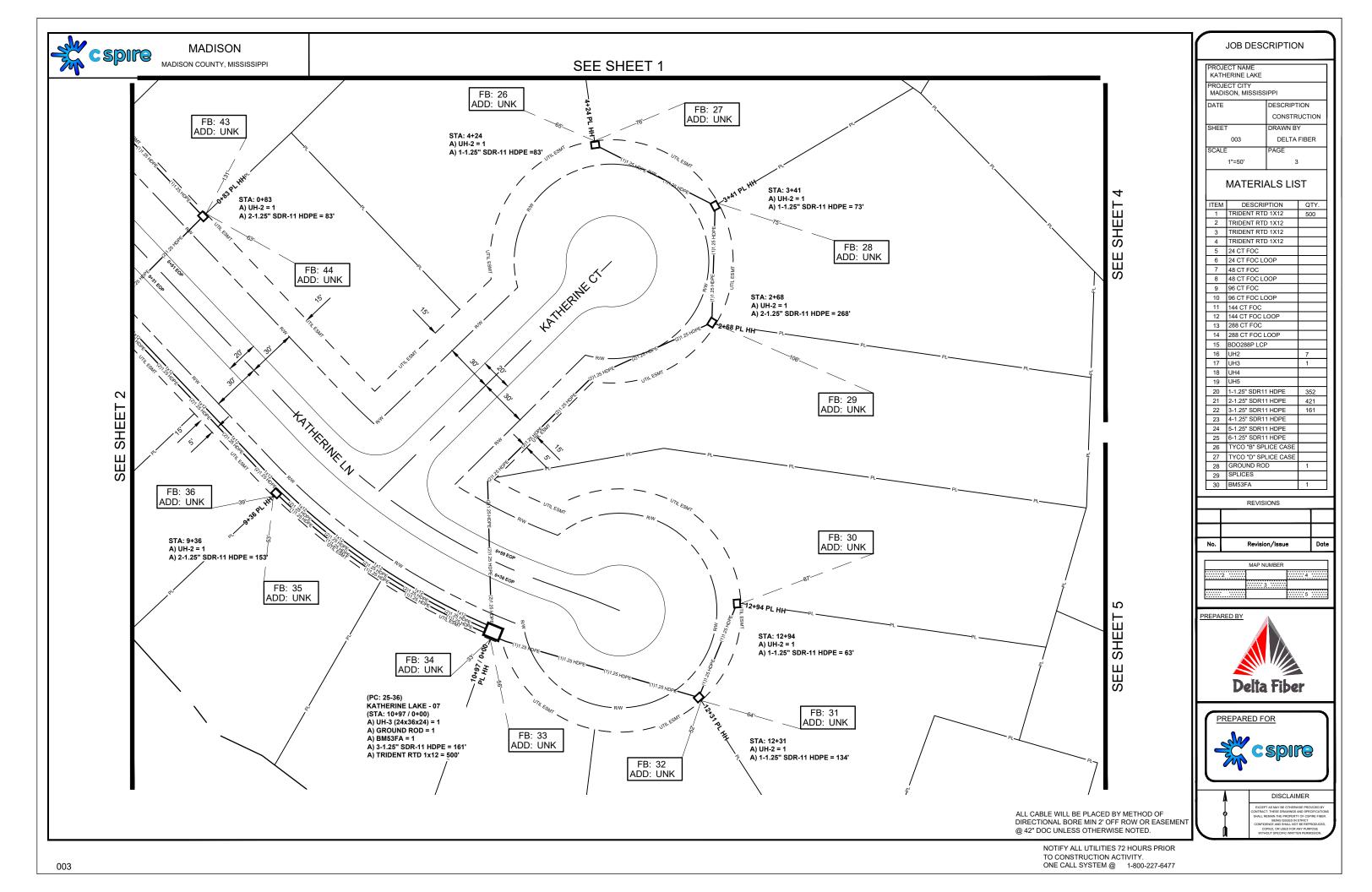
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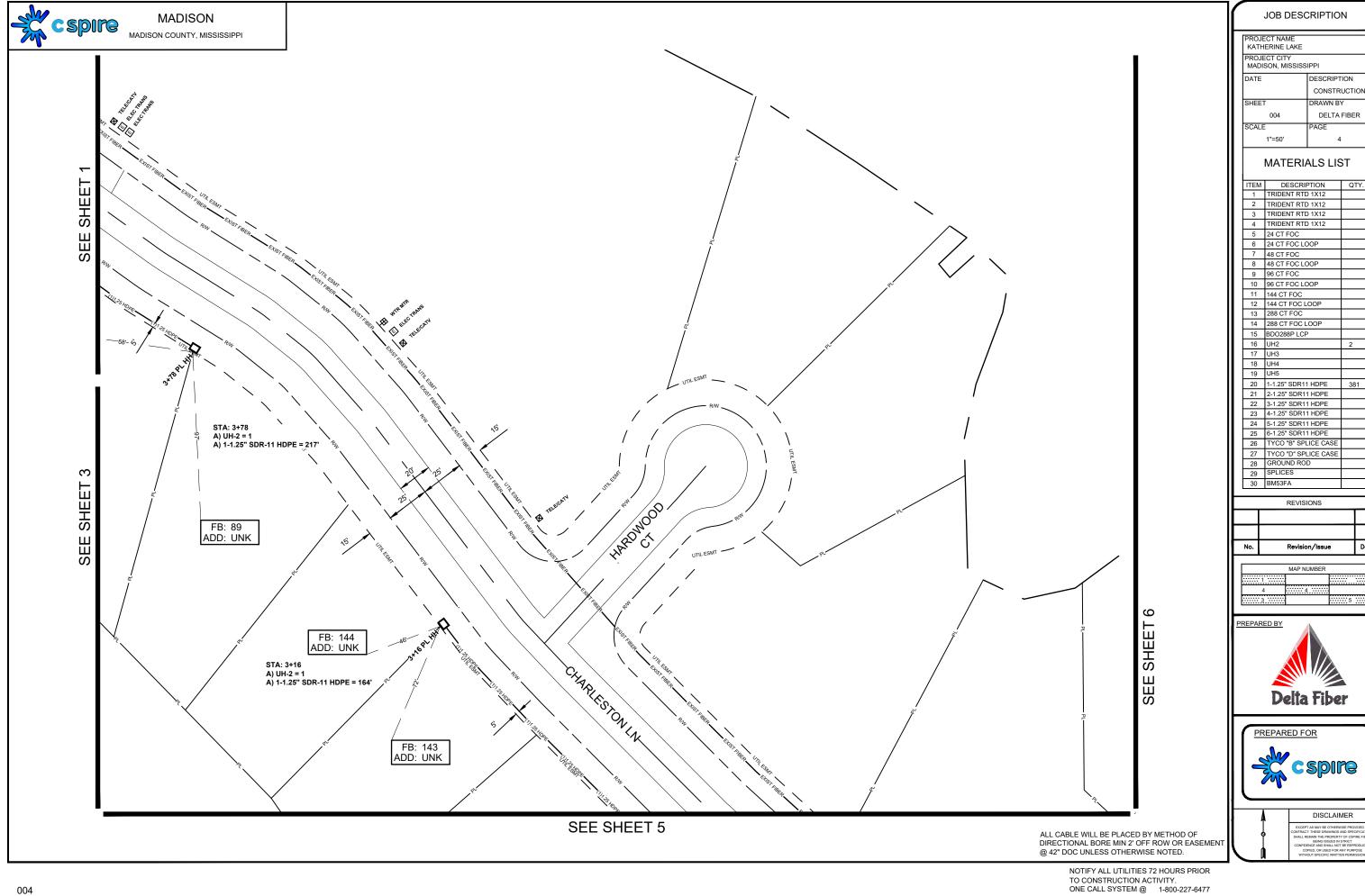
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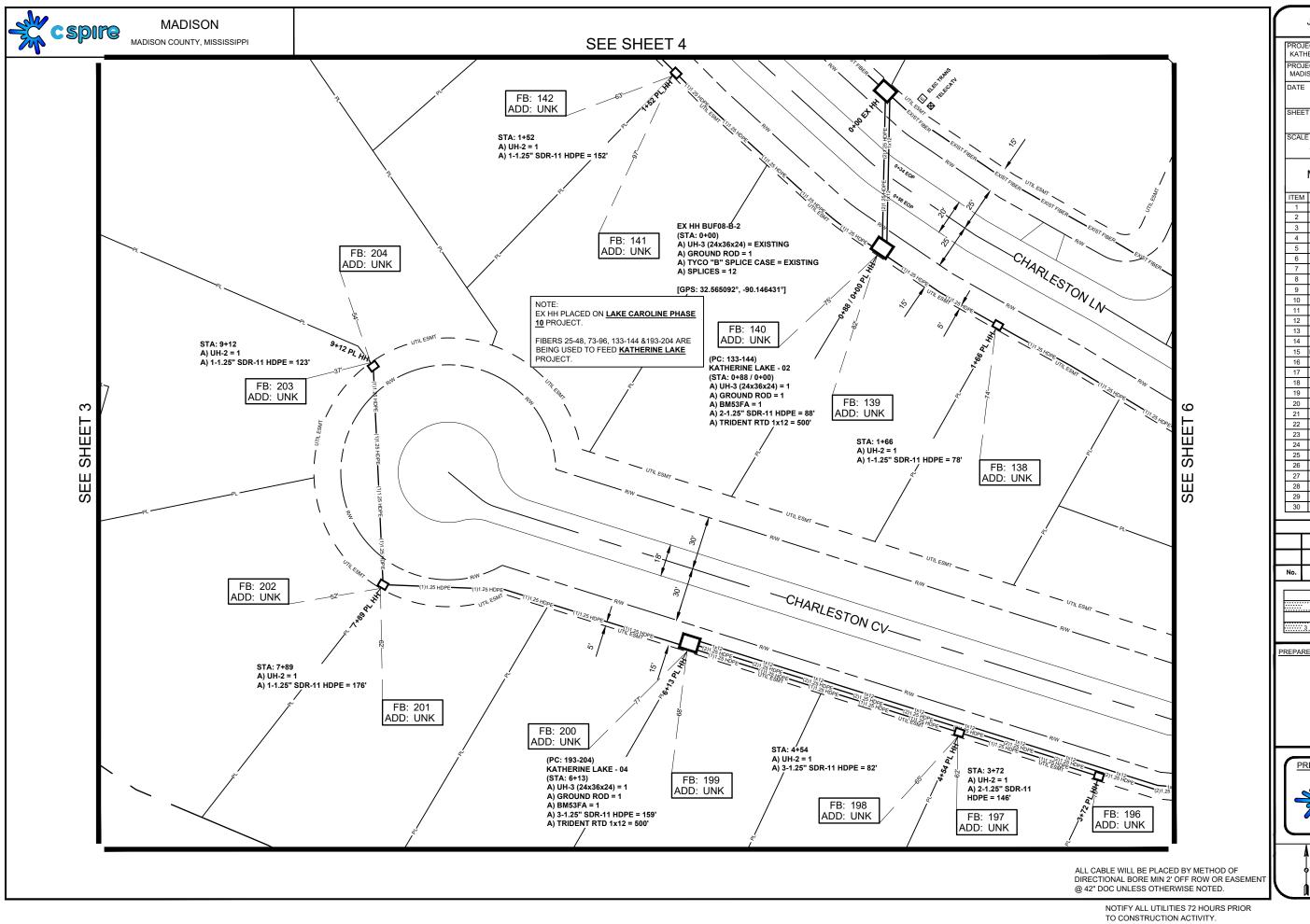
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PROJECT NAME KATHERINE LAKE		
PROJECT CITY MADISON, MISSISSIPPI		
DATE	DESCRIPTION	
	CONSTRUCTION	
SHEET	DRAWN BY	
005	DELTA FIBER	
SCALE	PAGE	
1"=50'	5	

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	500
2	TRIDENT RTD 1X12	500
3	TRIDENT RTD 1X12	
4	TRIDENT RTD 1X12	
5	24 CT FOC	
6	24 CT FOC LOOP	
7	48 CT FOC	
8	48 CT FOC LOOP	
9	96 CT FOC	
10	96 CT FOC LOOP	
11	144 CT FOC	
12	144 CT FOC LOOP	
13	288 CT FOC	
14	288 CT FOC LOOP	
15	BDO288P LCP	
16	UH2	6
17	UH3	2
18	UH4	
19	UH5	
20	1-1.25" SDR11 HDPE	529
21	2-1.25" SDR11 HDPE	234
22	3-1.25" SDR11 HDPE	241
23	4-1.25" SDR11 HDPE	
24	5-1.25" SDR11 HDPE	
25	6-1.25" SDR11 HDPE	·
26	TYCO "B" SPLICE CASE	1
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	3
29	SPLICES	12
30	BM53FA	2

REVISIONS		
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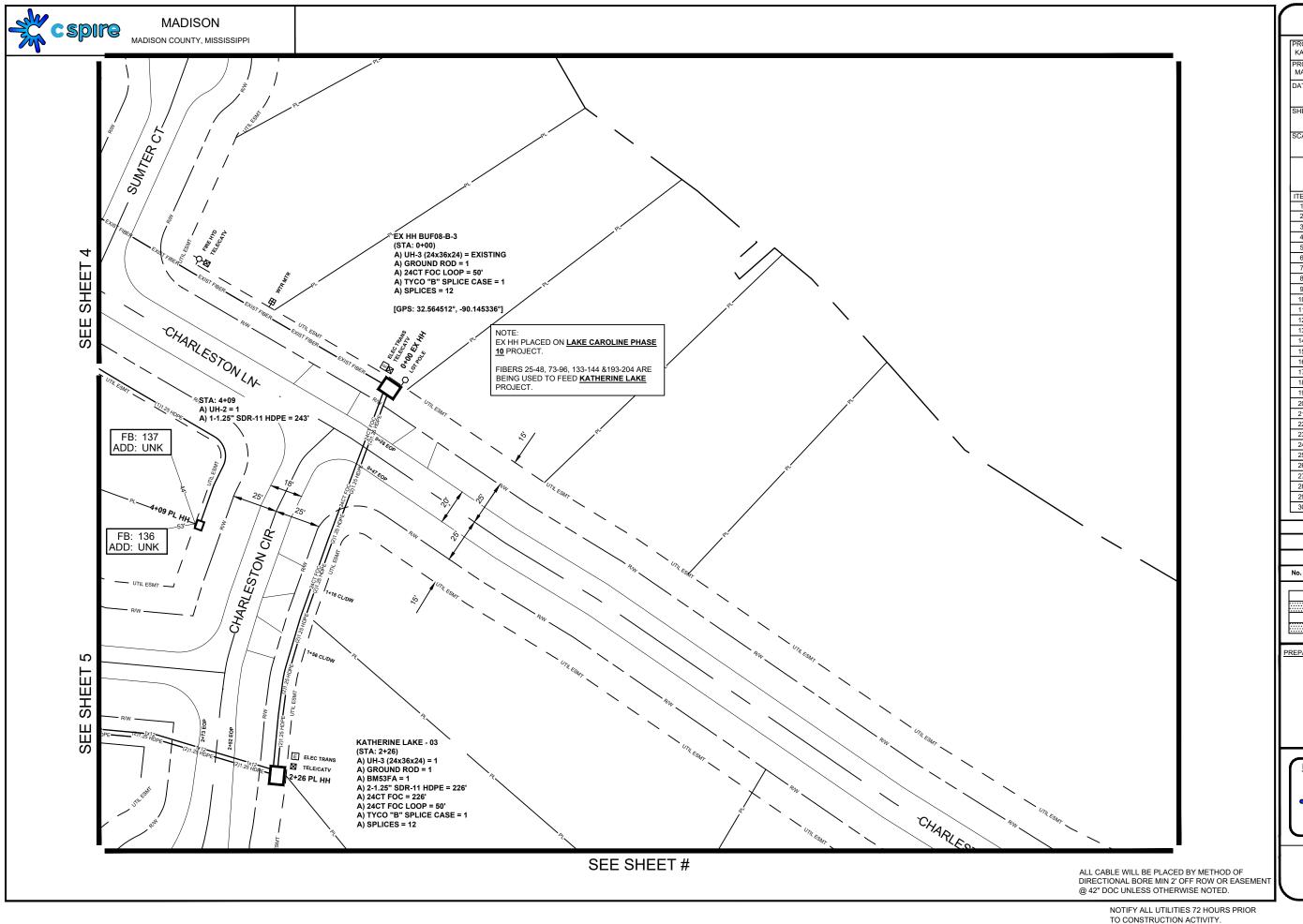
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PROJECT NAME KATHERINE LAKE		
PROJECT CITY MADISON, MISSISSIPPI		
DATE	DESCRIPTION	
	CONSTRUCTION	
SHEET	DRAWN BY	
006	DELTA FIBER	
SCALE	PAGE	
1"=50'	6	

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	TRIDENT RTD 1X12	
5	24 CT FOC	226
6	24 CT FOC LOOP	100
7	48 CT FOC	
8	48 CT FOC LOOP	
9	96 CT FOC	
10	96 CT FOC LOOP	
11	144 CT FOC	
12	144 CT FOC LOOP	
13	288 CT FOC	
14	288 CT FOC LOOP	
15	BDO288P LCP	
16	UH2	1
17	UH3	1
18	UH4	
19	UH5	
20	1-1.25" SDR11 HDPE	243
21	2-1.25" SDR11 HDPE	226
22	3-1.25" SDR11 HDPE	
23	4-1.25" SDR11 HDPE	
24	5-1.25" SDR11 HDPE	
25	6-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	2
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	2
29	SPLICES	24
30	BM53FA	1

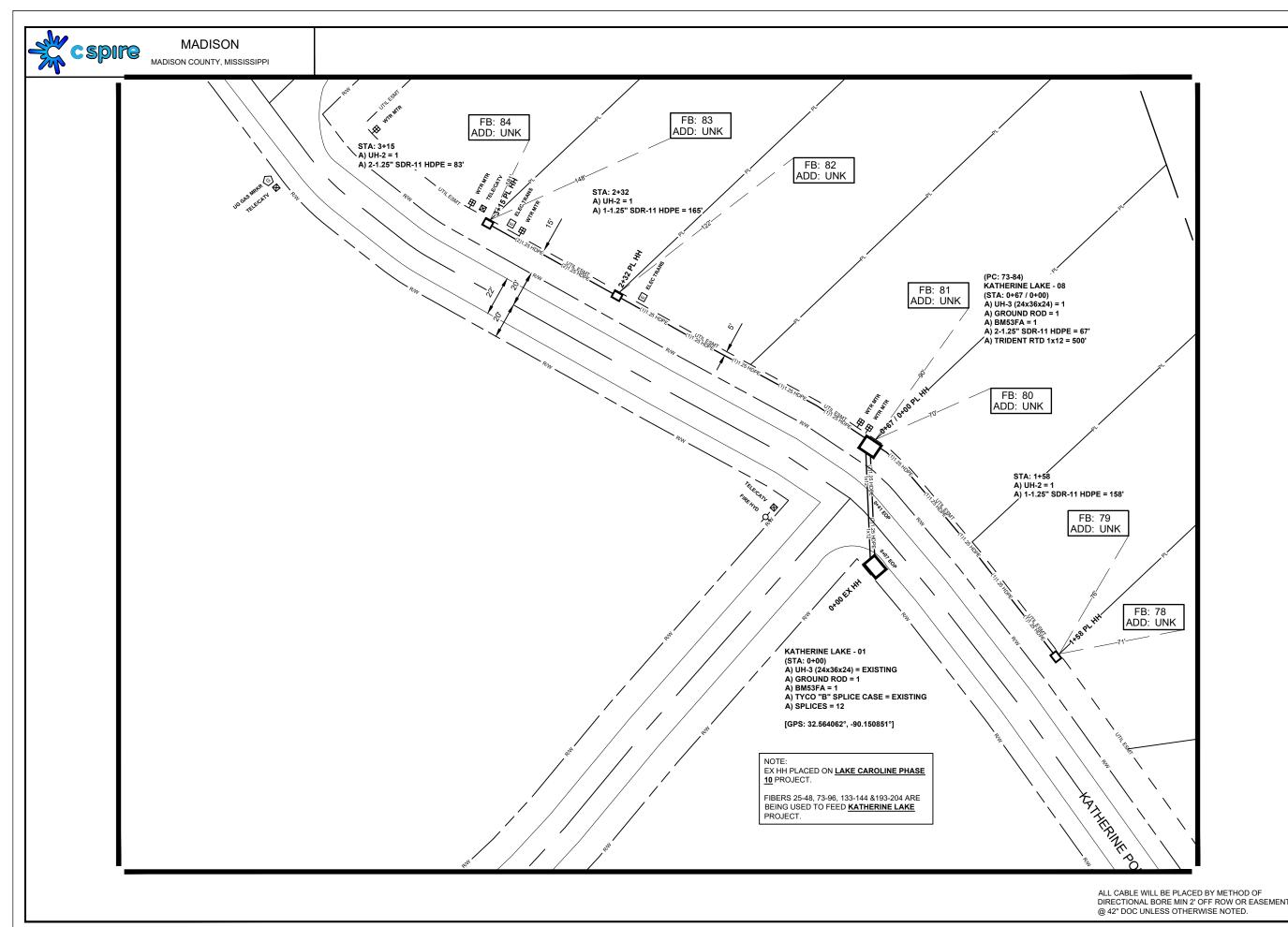
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PROJECT NAME KATHERINE LAKE		
PROJECT CITY MADISON, MISSISSIPPI		
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ITEM	DESCRIPTION	QTY
1	TRIDENT RTD 1X12	500
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	TRIDENT RTD 1X12	
5	24 CT FOC	
6	24 CT FOC LOOP	
7	48 CT FOC	
8	48 CT FOC LOOP	
9	96 CT FOC	
10	96 CT FOC LOOP	
11	144 CT FOC	
12	144 CT FOC LOOP	
13	288 CT FOC	
14	288 CT FOC LOOP	
15	BDO288P LCP	
16	UH2	3
17	UH3	1
18	UH4	
19	UH5	
20	1-1.25" SDR11 HDPE	323
21	2-1.25" SDR11 HDPE	150
22	3-1.25" SDR11 HDPE	
23	4-1.25" SDR11 HDPE	
24	5-1.25" SDR11 HDPE	
25	6-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	1
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	2
29	SPLICES	12
30	BM53FA	2

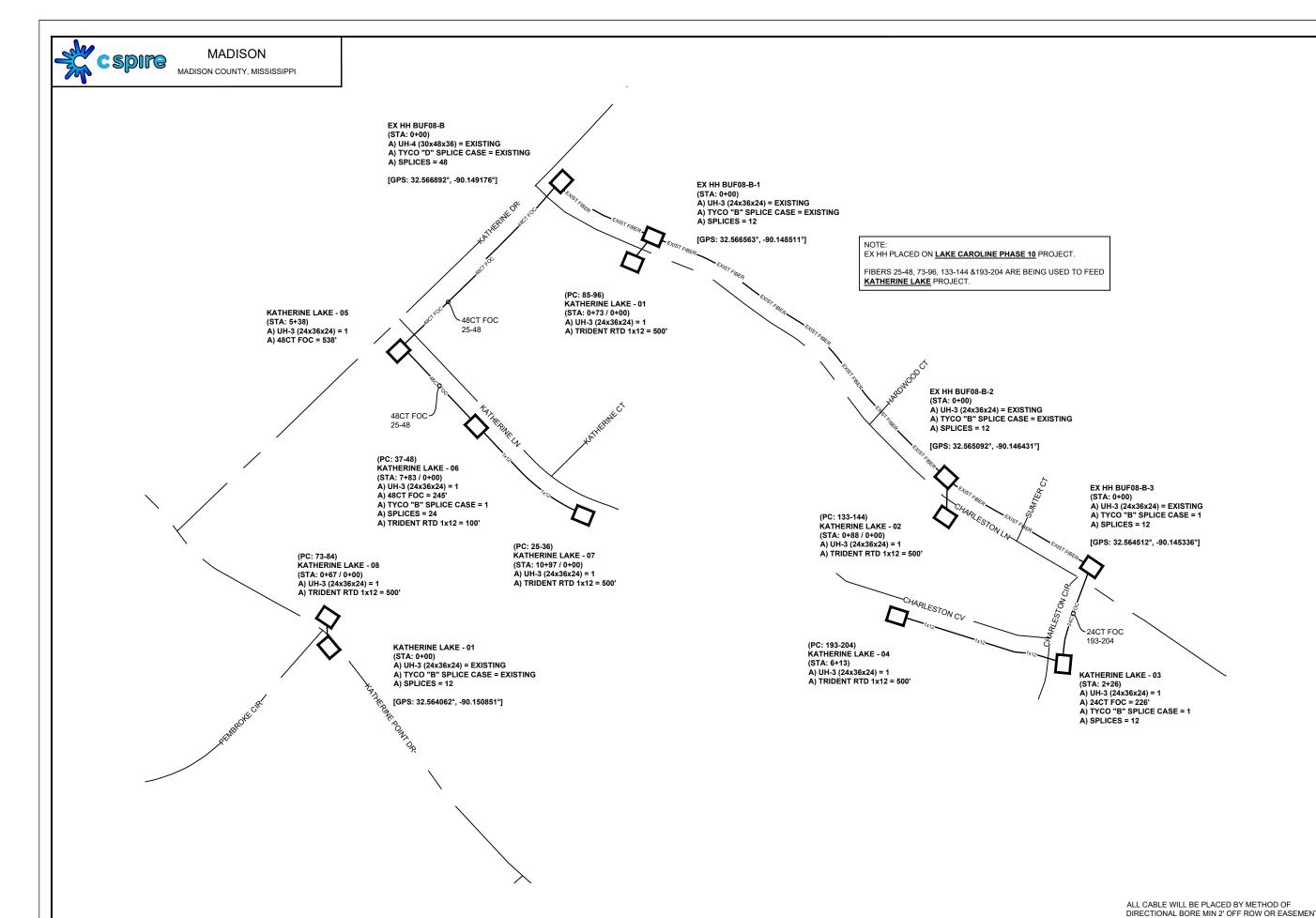
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MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	TRIDENT RTD 1X12	
5	24 CT FOC	
6	24 CT FOC LOOP	
7	48 CT FOC	
8	48 CT FOC LOOP	
9	96 CT FOC	
10	96 CT FOC LOOP	
11	144 CT FOC	
12	144 CT FOC LOOP	
13	288 CT FOC	
14	288 CT FOC LOOP	
15	BDO288P LCP	
16	UH2	
17	UH3	
18	UH4	
19	UH5	
20	1-1.25" SDR11 HDPE	
21	2-1.25" SDR11 HDPE	
22	3-1.25" SDR11 HDPE	
23	4-1.25" SDR11 HDPE	
24	5-1.25" SDR11 HDPE	
25	6-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

ONE CALL SYSTEM @ 1-800-227-6477

@ 42" DOC UNLESS OTHERWISE NOTED.