## **BOARD OF SUPERVISORS**

### MADISON COUNTY, MISSISSIPPI

Department of Engineering Tim Bryan, P.E., PTOE, County Engineer 3137 South Liberty Street, Canton, MS 39046 Office (601) 855-5582 FAX (601) 859-5857

#### **MEMORANDUM**

March 13, 2024

To: Casey Brannon, 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/D.B.A.Cspire Utility Permit County Road Name, Well Stone Place

The Engineering Department recommends approval of the permit application for Telepak Networks/D.B.A. Cspire Utility to place a fiber-optic internet facility by method of directional bore, beginning at existing hand hole located on Well Stone Place and run the total of Phase 3A. The total pipe length of 4,726 ft. will provide high speed internet to residents of the new subdivision, Thornberry, Phase 3A and the county road names listed below.

- Well Stone Place
- Kingswood Place
- Kingswood Cove

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:			City/State/Zip: _	
Contact Person:			Contact's Phone	e:
<u>Project Information:</u>	County Road Name:		ithin more than one road right-of-way,	use Appendix 1 for additional descriptions
Beginning Location:			Ending Location:	
Total Pipe Length of Project:	Sec	ction:	Township:	Range:
Description of Work: _				

K Check Box if Appendix 1 is to be included as a part of this Application

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.

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 $\_$	d	ay of	, 20 <u>24</u>
		Ву		Signature)
		Title	::	
Note:	Applicant must be an employee of the Utility name a Contractor, Subcontractor, Agent, or Consulting performed under this application.	• • •	-	
plans s	y authorized representative, have reviewe			
the Rig	ht-of-Way of all Public County Roads.		APPROVED	
		Ву	By timothy.bryan a	t 9:13 am, Mar 27, 2024
			Tim Bryan, County Eng	, P.E.
AGREE	D TO AND APPROVED BY:			
			Date:	
	Madison County Board President			
ENTER	ED INTO THE MINUTES OF THE BOARD	OF SUPERVI	SORS OF MADISON COL	JNTY, 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:			



## THORNBERRY PHASE 3A

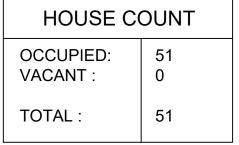
CITY OF MADISON MADISON COUNTY, MISSISSIPPI 3/7/2024



## PERMITS REQUIRED

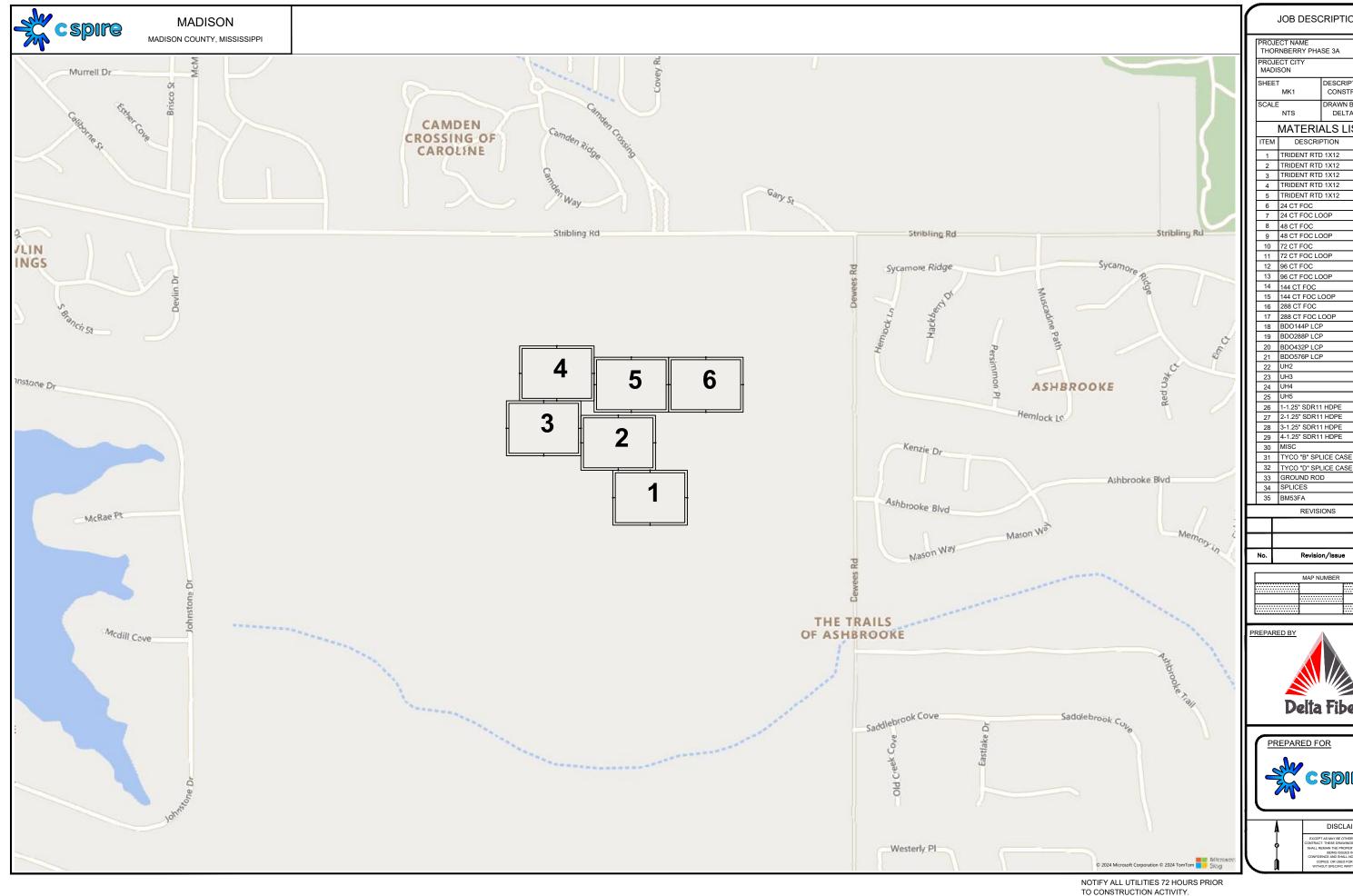
CITY: N/A
COUNTY: YES
MDOT: N/A
FEDERAL: N/A
RAILROAD: N/A
PRIVATE R/W: N/A
MISC: N/A

## \_\_\_\_



## PREPARED BY:





		JOB DESCRIPTION					
	PROJECT NAME THORNBERRY PHASE 3A						
		PROJE MADI:	CT CITY SON				
		SHEET	MK1	DESCRIPT CONSTR			
		SCALE	NTS	DRAWN B' DELTA			
			MATERIA	ALS LIS	ST		
П		ITEM	DESCRI	PTION	QTY.		
П		1	TRIDENT RTD	1X12			
П		2	TRIDENT RTD	1X12			
П		3	TRIDENT RTD	) 1X12			
П		4	TRIDENT RTE				
П		5	TRIDENT RTE	1X12			
ı		6	24 CT FOC				
		7	24 CT FOC LC	OOP			
П		8	48 CT FOC				
		9	48 CT FOC LC	OOP			
П		10	72 CT FOC				
П		11	72 CT FOC LC	OOP			
П		12	96 CT FOC				
		13	96 CT FOC LC	OOP			
1		14	144 CT FOC				
П		15	144 CT FOC L	.00P			
П		16	288 CT FOC				
,		17	288 CT FOC L				
j		18	BDO144P LCF				
3		19	BDO288P LCF				
П		20	BDO432P LCF				
П		21	BDO576P LCF UH2				
		22					
1		23	UH3 UH4				
1		24	UH5				
		25		LUDDE			
		26	1-1.25" SDR11 2-1.25" SDR11				
		27	3-1.25" SDR1"				
		28	3-1.25" SDR1" 4-1.25" SDR1				
		29 30	MISC	I HUFE			
		JU	WIIOU		1		

REVISIONS	
Revision/Issue	Date

MAP NUMBER	

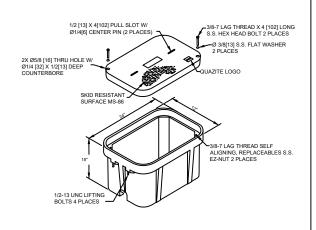




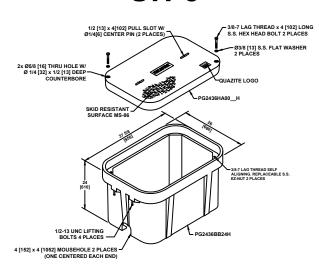


MADISON COUNTY, MISSISSIPPI

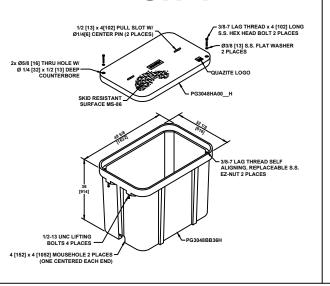
## **UH-2**



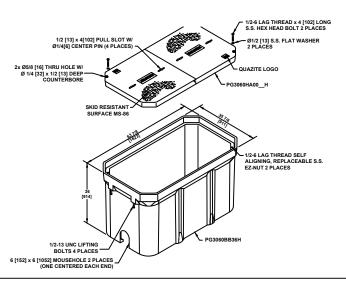
## **UH-3**



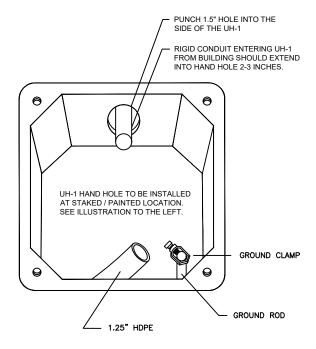
## UH-4



## UH-5

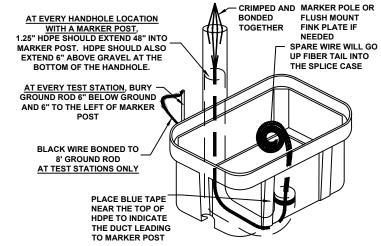


# TYPICAL UH-1 / UH-2 HAND HOLE INSTALLATION PROCEDURES AT BUILDING ENTRIES



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



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

HANDHOLES ARE TO BE INSTALLED A MINIMUM OF THREE FEET FROM ANY UTILITY OR POWER POLE.

#### BOXES (Nestable)

DESCRIPTION	PART NO.	WEIGHT	DESIGN/TEST LOAD#
UH-5 30x60x36	PG3060Z501	933# 423KG.	33,500 LBS
UH-4 30x48x36	PG3048Z579	563# 255KG.	33,500 LBS
UH-3 24x36x24	PG2436Z905	284# 129KG.	33,500 LBS

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

#### NOTES:

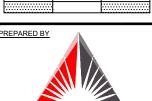
- THIS ASSEMBLY IS RATED FOR A STATIC DESIGN LOAD OF 15,000 LBS. [66,720 N] OVER A 10 [254] X 10 [254] AREA AND MUST PASS A MIN. STATIC TEST LOAD OF 33,500 LBS. [100.085 N].
- 2. ALL ENCLOSURES, BOXES AND COVERS, ARE REQUIRED TO CONFORM TO ALL TEST PROVISIONS OF ANSISCTE 77 2007 "SPECIFICATION FOR UNDERGROUND 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

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

JOB DESCRIPTION

PRO	JECT NAME				
THORNBERRY PHASE 3A					
	JECT CITY DISON				
SHE		DESCRIPT	ION		
	TYPICALS	CONSTR			
SCA	NTS	DRAWN BY	-		
	MATERIA	ALS LIS	ST		
ITE	M DESCRI	PTION	QTY.		
1	TRIDENT RTI	1X12			
2	TRIDENT RTI				
3	TRIDENT RTI				
4	TRIDENT RTI				
5	TRIDENT RTI	) 1X12			
7	24 CT FOC LO	)OB			
	_	JOF			
9	8 48 CT FOC LOOP				
10	72 CT FOC	48 CT FOC LOOP			
11					
12	12 96 CT FOC				
13	13 96 CT FOC LOOP				
14	144 CT FOC				
15	144 CT FOC L	.00P			
16	288 CT FOC				
17	288 CT FOC L				
18	BDO144P LCF BDO288P LCF				
20	BDO286F LCF				
21	BDO432F LCF				
22	UH2				
23	UH3				
24	UH4				
25	25 UH5				
26	26 1-1.25" SDR11 HDPE				
	27 2-1.25" SDR11 HDPE				
_	28 3-1.25" SDR11 HDPE 29 4-1.25" SDR11 HDPE				
29		1 HDPE			
30	MISC TYCO "B" SPI	ICE CASE			
31	TYCO "D" SPI				
33	GROUND RO				
34	SPLICES	_			
35	BM53FA				
-					

		MAP NUME	BER		
REVISIONS	No.	Revision/I	Issue	Dat	
REVISIONS					
REVISIONS			•		
DEVISIONS		REVISION	IS		



Delta Fiber



DISCLAIMER

EXCEPT AS MAY 16 O'THERWISE PROVIDED

CONTRICT. THESE PROMINGES AND SPECIFICAL

SHALL REMAN THE PROPERTY OF CERPIE AT

CONFEDICA OR SHALL HOT BE REPRODUC

COPIED, OR USED FOR ANY FURPOSE

WITHOUT SPECIFIC WITH THE PROBESSION



MADISON COUNTY, MISSISSIPPI

## SYMBOLS KEY

DIRECTIONAL BORE  AERIAL CABLE  PLOW OR BURIED CABLE  DIRECTIONAL BORE 5" HDPE  PVC OR SPLIT PVC CONDUIT  ASTMA 139 GRADE B STEEL  JACK AND BORE  CORE BORE	RAILROAD TRACKS  AUXILLARY TRACKS  CENTERLINE  WOOD LINE  DITCH LINE  TOP OF SLOPE  TOE OF SLOPE  AERIAL UTILITY (ELECTRIC)		PROPERTY LINE  EDGE OF PAVEMENT  BACK OF CURB  WHITE LINE  RIGHT-OF-WAY LINE  TAX DISTRICT BOUNDARY  PROBE (DEPTH AS INDACATED)  EOP—  BOC—  BOC—  W/L —  TO38-42  51762A   42"  PROBE (DEPTH AS INDACATED)
EXISTING TELEPAK CABLE	UNDERGROUND UTILITY (TELEPHONE) (PARTIAL CAPSULE INDICATES COVER DEPTH IN INCHES)	(15")	PERMIT TRACKING FORM IDENTIFIER  P.T.F.  187
PROPOSED HANDHOLE EXISTING HANDHOLE	CAUTION NOTES	CAUTION CAUTION CAUTION GAS X-ING WATERX-ING	
HANDHOLE (CABLE IN HDPE)	WATER VALVE	<i>Ø</i> ⋈	DELTA FIBER TYPICAL LINETYPES
HH (CABLE IN PVC CONDUIT)	WATER METER	⊞ •	
HANDHOLE (CABLE IN GSP CONDUIT)	GAS VALVE FIRE HYDRANT		1-1.25 HDPE ————————————————————————————————————
MANHOLE	STORM DRAIN	<b>→</b> <b>===</b>	3-1.25 HDPE (3)1.25 HDPE (3)1.25 HDPE (3)1.25 HDPE (4)1.25 HDPE (4)1.25 HDPE (4)1.25 HDPE (4)1.25 HDPE (5)1.25 HDPE (5)1.2
MANHOLE (CABLE IN HDPE)	SEWER MANHOLE	(5)	6-1.25 HDPE (6)1.25 HDPE (6)1.2
MANHOLE (CABLE IN PVC CONDUIT)	CULVERT	<b>&gt;</b>	12CT FOC —— 24CT F
MANHOLE (CABLE IN BSP/GSP CONDUIT)	BOX CULVERT		48CT FOC ——48CT FOC ——
H-FRAME BORE PIT	CITY, COUNTY OR STATE BOUNDARY LINE	<del></del>	72CT FOC ———————————————————————————————————
	D D CDOSCING CIGNAL	PUSH BRACE 30'-5-84 PB	144CT FOC
LIGHTNING ARRESTOR  LIGHTNING ARRESTOR	R.R. CROSSING SIGNAL	PUSH BRACE 30-3-04 PB	(2)288CT FOC ———————————————————————————————————
AC/DC FILTER PROTECTION PROTECTION	R.R. SIGNAL ARM	JOINT USE POLE	1x4 TRIDENT ————————————————————————————————————
ALUMINUM HUB STYLE MARKER	U/G TRANSFORMER	TELEPHONE POLE	1x8 TRIDENT
STEEL MARKER	STREET/SIGNAL LIGHT O	CONCRETE POLE	2x12 TRIDENT ————————————————————————————————————
FLAT COMPOSOLITE MARKER	PARKING METER $\triangle$	STEEL POLE S	RIGHT OF WAY — R/W — — — —
TUBULAR MARKER	STEEL/WOOD POST 0	POWER POLE X	DRIVEWAY —
RIGHT-OF-WAY MARKER	SIGN d	TRANSFORMER POLE	EDGE OF PAVEMENT — — — — — — — — — — — — — — — — — — —
RIGHT-OF-WAY PIN	TELEPHONE/CATV PED	GROUND WIRE I	DROPS TO HOUSES — — — — — — — — — —
MILE POST MARKER	TREE	l' <u></u>	AERIAL IMAGES
NOTE: DASHED = (NOT FOUND IN FIELD)	BUSH **	BOND AND GROUND B&G	PROPERTY LINE         —         —         PL         —         —         PL         —         UTILESMT         —         —         UTILESMT         —

JOB DESCRIPTION

	ECT NAME RNBERRY PHA	SE 3A	
PROJE MADI	ECT CITY SON		
SHEE	Γ LEGEND	DESCRIPT	
SCALE	NTS	DRAWN B'	
	MATERIA	ALS LIS	ST
ITEM	DESCRI	PTION	QTY.
1	TRIDENT RTD	1X12	
2	TRIDENT RTD	1X12	
3	TRIDENT RTD	1X12	
4	TRIDENT RTD	1X12	
5	TRIDENT RTD	1X12	
6	24 CT FOC		
7	24 CT FOC LC	OOP	
8	48 CT FOC		
9	48 CT FOC LOOP		
10	72 CT FOC		
11	72 CT FOC LOOP		
12	96 CT FOC		
13	96 CT FOC LOOP		
14	144 CT FOC		
15	144 CT FOC L	.OOP	
16	288 CT FOC		
17	288 CT FOC L		
18	BDO144P LCF		
19	BDO288P LCF		
20	BDO432P LCF		
21	BDO576P LCF		
22	UH2		
23	UH3		
24	UH4 UH5		
25		LUDDE	
26	1-1.25" SDR11 2-1.25" SDR11		
27			
28	3-1.25" SDR1 <sup>-</sup> 4-1.25" SDR1 <sup>-</sup>		
29 30	MISC	INDE	
31	TYCO "B" SPI	ICE CASE	
31	TYCO B SPI		
33	GROUND RO		
34	SPLICES	<u> </u>	
35	BM53FA		
30	DIVIDOFA		

	REVISIONS	
No.	Revision/Issue	Date
	MAP NUMBER	
*******		

PARED BY
Dalta Ethan
<b>Delta Fiber</b>



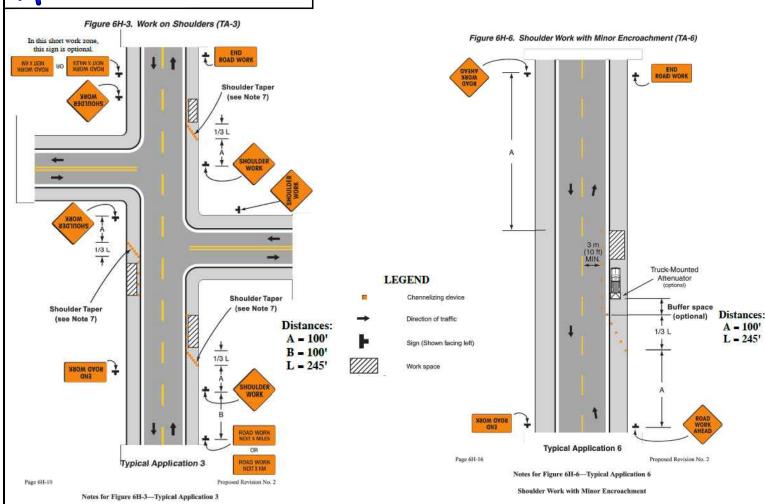
DISCLAIMER

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT. THESE DRAWINGS AND SPECIFICATION OF THE CONTRACT HESE STANDARD AND SPECIFICATION OF THE CONTRACT OF THE CONTRACT

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



MADISON COUNTY, MISSISSIPPI



## **CONSTRUCTION SIGNS**

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







NOTE: 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 A B C					
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.		

#### NOTES

- 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:

 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.
- 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 this activity area.
- 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.
- 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:

- 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.
- 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

THOF	CT NAME RNBERRY PHA	SE 3A	
PROJE MADI:	ECT CITY SON		
SHEET	TC1	DESCRIPT TRAFFIC C	
SCALE		DRAWN BY	
		DELTA	FIBER
	MATERIA	ALS LIS	ST.
ITEM	DESCRI	PTION	QTY.
1	TRIDENT RTD	1X12	
2	TRIDENT RTD	1X12	
3	TRIDENT RTD	1X12	
4	TRIDENT RTD	1X12	
5	TRIDENT RTD	1X12	
6	24 CT FOC		
7	24 CT FOC LO	OOP	
8	48 CT FOC		
9	48 CT FOC LC	OOP	
10	72 CT FOC		
11	72 CT FOC LC	OOP	
12	96 CT FOC		
13	96 CT FOC LC	OOP	
14	144 CT FOC		
15	144 CT FOC L	.00P	
16	288 CT FOC		
17	288 CT FOC L	.00P	
18	BDO144P LCF	)	
19	BDO288P LCF	)	
20	BDO432P LCF	•	
21	BDO576P LCF	)	
22	UH2		
23	UH3		
24	UH4		
25	UH5		
26	1-1.25" SDR11	I HDPE	
27	2-1.25" SDR1	1 HDPE	
28	3-1.25" SDR1	1 HDPE	
29	4-1.25" SDR1	1 HDPE	
30	MISC		
31	TYCO "B" SPI	ICE CASE	
32	TYCO "D" SPI	ICE CASE	
33	GROUND RO	D	
34	SPLICES		
35	BM53FA		

No.	Revision/Issue	Date
		+
	REVISIONS	

	MAP NUMBER	
• • • • • • • • • • • • • • • • • • • •		





DISCLAIMER

EXCEPT AS MAY BE OTHERWISE PROVIDED

CONTROLT. THESE DRAWNINGS AND SPECIFICA

SMALL REMAN THE PROPERTY OF CEPTER FI

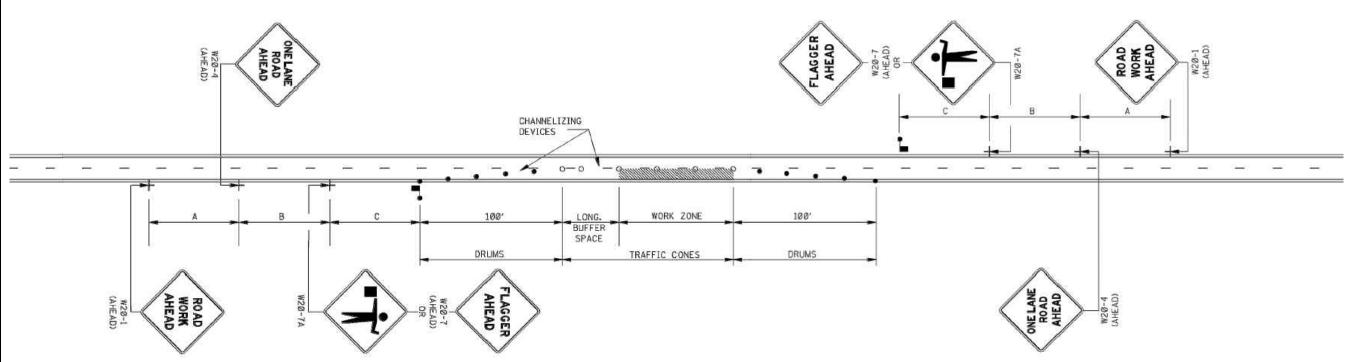
CONFEDE AND SEASON AT THE PROPERTY OF CEPTER FI

CONFEDE ON USED FOR ANY PLAYOUGH

WITHOUT SPECIFIC WITHTEN PREMISSION



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 DESIGN SPEED	MAXIMUM CHANNELIZING DEVICE SPACING (ft)		LONGITUDINAL BUFFER SPACE	STOPPING SIGHT
mph	TAPER	ALONG LANE LINE & WORK ZONE	(ft)	DISTANCE
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

THORNBERRY PHASE 3A			
	CT CITY SON, MS		
SHEET	TC2	DESCRIPT TRAFFIC C	
SCALE	DRAWN BY DELTA FIBER		
	MATERIALS LIST		
ITEM	DESCRI	PTION	QTY.
1	TRIDENT RT	1X12	
2	TRIDENT RTD	1X12	
3	TRIDENT RTI		
4	TRIDENT RTI		
5	TRIDENT RTI	) 1X12	
6	24 CT FOC	200	
7	24 CT FOC LO	JOP	
8	48 CT FOC	OD.	
9 10	48 CT FOC LOOP 72 CT FOC		
11	72 CT FOC LOOP		
12	96 CT FOC		
13	96 CT FOC LO	OOP	
14	144 CT FOC		
15	144 CT FOC L	.OOP	
16	288 CT FOC		
17	288 CT FOC L		
18	BDO144P LCF		
19	BDO288P LCP		
20	BDO432P LCP		
21	BDO576P LCF UH2	_	
22	UH3		
24	UH4		
25	UH5		
26	1-1.25" SDR1	1 HDPE	
27	2-1.25" SDR1	1 HDPE	
28	3-1.25" SDR1	1 HDPE	
29	4-1.25" SDR1	1 HDPE	
30	MISC		
31	TYCO "B" SPI		
32	TYCO "D" SPI		
33	GROUND RO	D	
34	SPLICES		
35	BM53FA		

3	DIVIDOI A	
	REVISIONS	
No.	Revision/Issue	Date

MAP NUMBER	

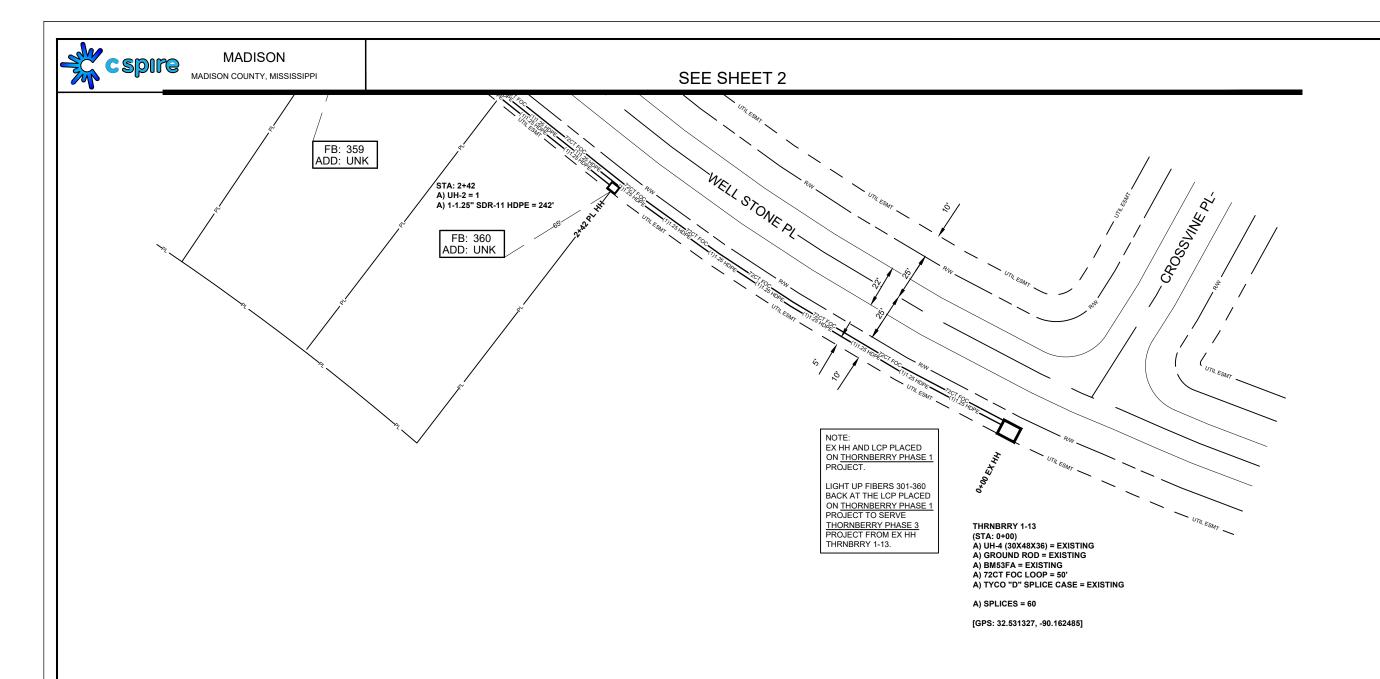




DISCLAIMER

EXCEPT AS MY 8E OFFERWISE PROVIDED

CONTRACT. THESE PROVIDED SHALL REMAIN THE PROCESSOR OF CERTIFIE FOR CONTRACT. THESE PROCESSOR OF CERTIFIE FOR CONTRACT. AND CONTRACT. AN



PROJECT NAME THORNBERRY PHA	SE 3A		
PROJECT CITY MADISON, MS			
SHEET	DESCRIPTION		
001	CONSTRUCTION		
SCALE	DRAWN BY		
1"=50' DELTA FIBER			
· · · · · · · · · · · · · · · · · · ·			

#### MATERIALSLIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	24 CT FOC	
5	24 CT FOC LOOP	
6	48 CT FOC	
7	48 CT FOC LOOP	
8	72 CT FOC	
9	72 CT FOC LOOP	50
10	96 CT FOC	
11	96 CT FOC LOOP	
12	144 CT FOC	
13	144 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO144P LCP	
17	BDO288P LCP	
18	BDO432P LCP	
19	BDO576P LCP	
20	UH2	1
21	UH3	
22	UH4	
23	UH5	
24	1-1.25" SDR11 HDPE	242
25	2-1.25" SDR11 HDPE	
26	3-1.25" SDR11 HDPE	
26 27	4-1.25" SDR11 HDPE	
	4-1.25" SDR11 HDPE MISC	
27	4-1.25" SDR11 HDPE	
27 28	4-1.25" SDR11 HDPE MISC	
27 28 29	4-1.25" SDR11 HDPE MISC TYCO "B" SPLICE CASE	
27 28 29 30	4-1.25" SDR11 HDPE MISC TYCO "B" SPLICE CASE TYCO "D" SPLICE CASE	60

### REVISIONS

No.	Revision/Issue	Date

MAP NUMBER	
 2	
1	

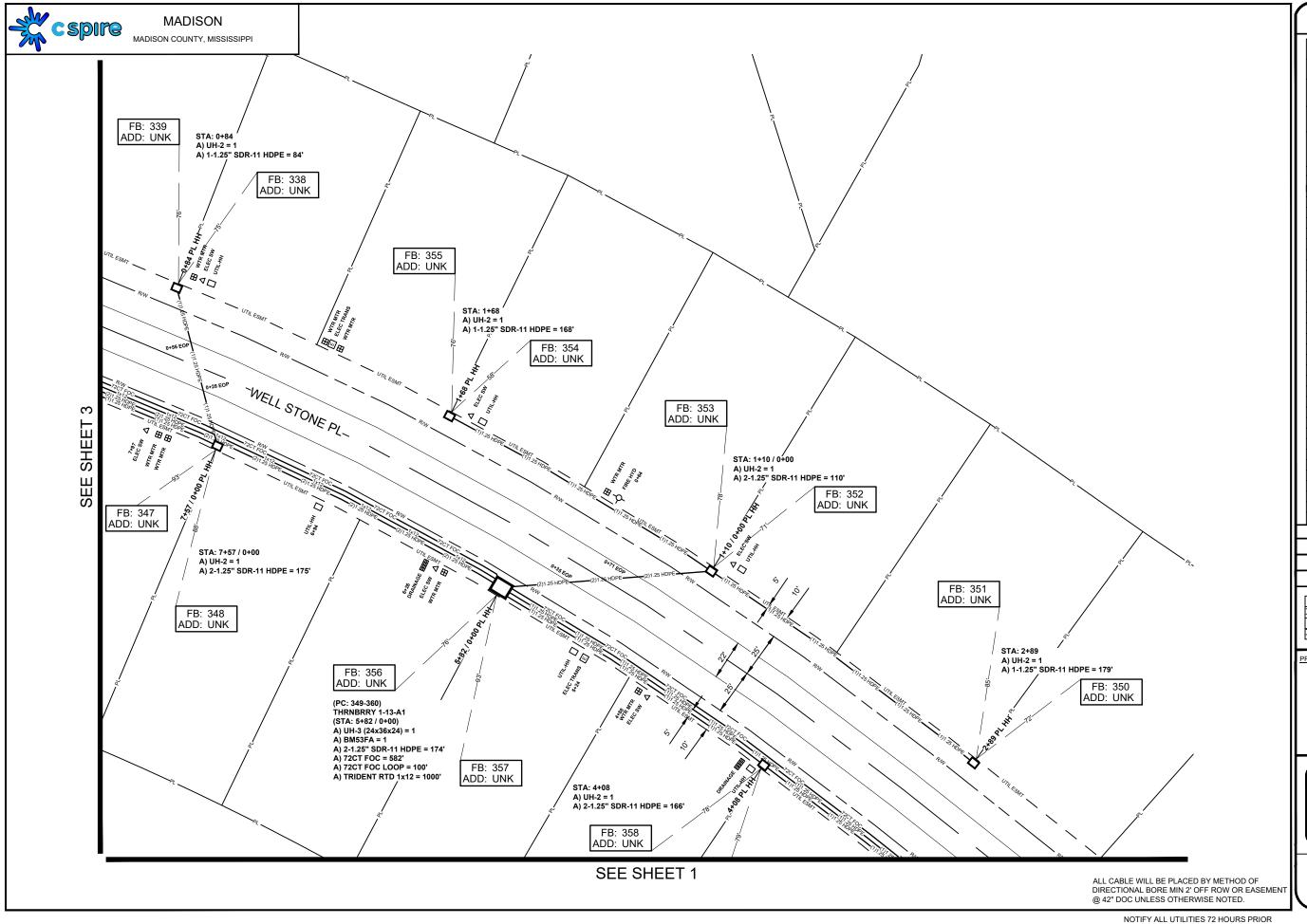
PREPARED BY





DISCLAIMER

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



	PROJECT NAME THORNBERRY PHA	SE 3A
	PROJECT CITY MADISON, MS	
	SHEET	DESCRIPTION
Ш	002	CONSTRUCTION
Ш	SCALE	DRAWN BY
I	1"=50'	DELTA FIBER

### MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	1000
4	24 CT FOC	
5	24 CT FOC LOOP	
6	48 CT FOC	
7	48 CT FOC LOOP	
8	72 CT FOC	582
9	72 CT FOC LOOP	100
10	96 CT FOC	
11	96 CT FOC LOOP	
12	144 CT FOC	
13	144 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO144P LCP	
17	BDO288P LCP	
18	BDO432P LCP	
19	BDO576P LCP	
20	UH2	6
21	UH3	1
22	UH4	
23	UH5	
24	1-1.25" SDR11 HDPE	431
25	2-1.25" SDR11 HDPE	625
26	3-1.25" SDR11 HDPE	
27	4-1.25" SDR11 HDPE	
28	MISC	
29	TYCO "B" SPLICE CASE	
30	TYCO "D" SPLICE CASE	
31	GROUND ROD	
32	SPLICES	
33	BM53FA	1

REVISIONS

No. Revision/Issue Date

1	
 ***	
2	2





DISCLAIMER

EXCEPT AS MAY BE OTHERWISE PROVIDED.

CONTRICT. THESE DRAWINGS AND SPECIFIC.

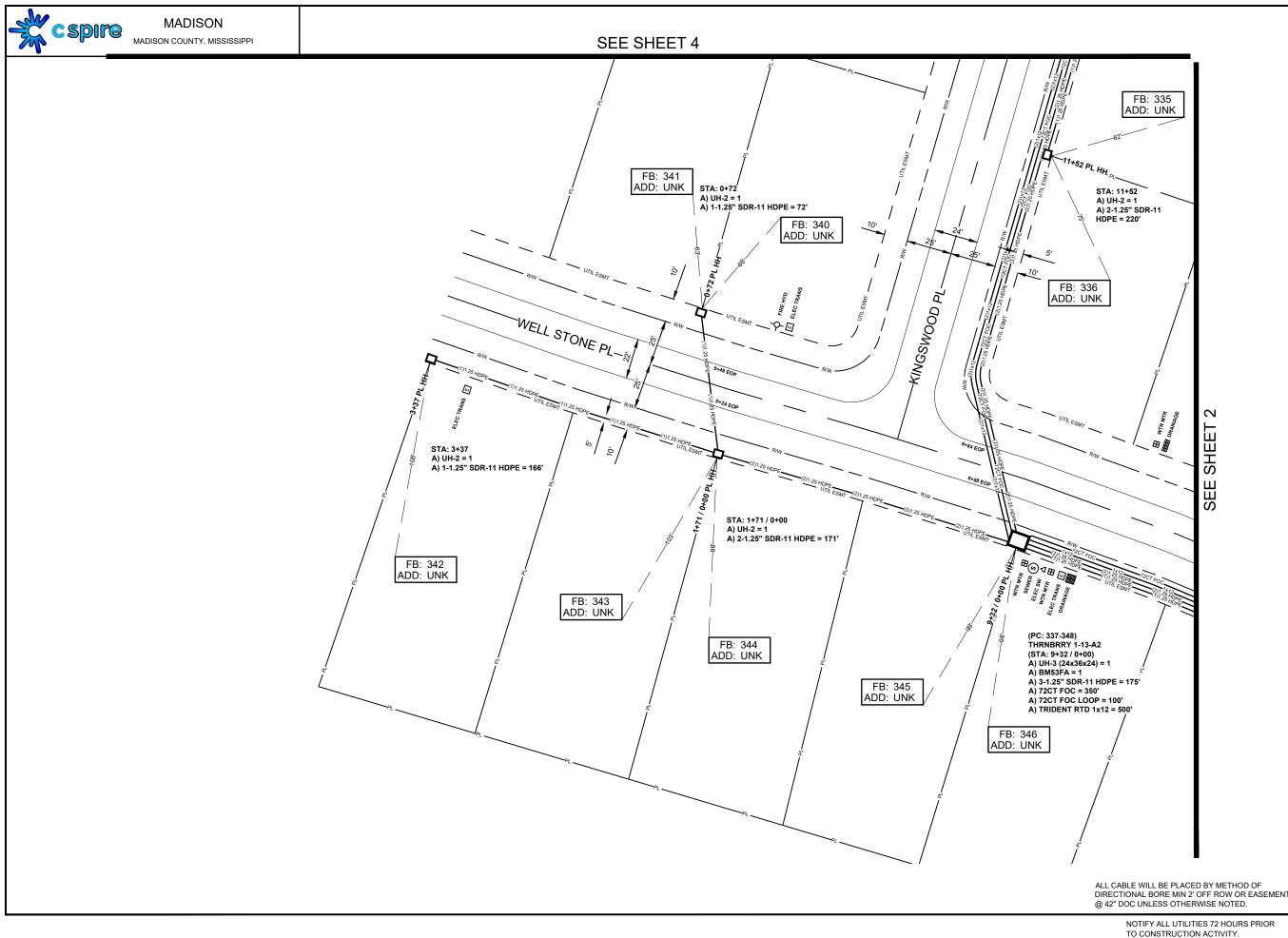
BAUL REMAN HE PROPERED YO CERPIER.

BEAN GISSLEN IN STRUCT.

CONTRICT AND SPECIFIC CONTRICT.

CONTRICT AND SPECIFIC OF ANY PURPOSE.

WITHOUT SPECIFIC WRITTEN PERMISSIO.



	PROJECT NAME THORNBERRY PHA	SE 3A
	PROJECT CITY MADISON, MS	
	SHEET	DESCRIPTION
	003	CONSTRUCTION
	SCALE	DRAWN BY
	1"=50'	DELTA FIBER

### MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	500
4	24 CT FOC	
5	24 CT FOC LOOP	
6	48 CT FOC	
7	48 CT FOC LOOP	
8	72 CT FOC	350
9	72 CT FOC LOOP	100
10	96 CT FOC	
11	96 CT FOC LOOP	
12	144 CT FOC	
13	144 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO144P LCP	
17	BDO288P LCP	
18	BDO432P LCP	
19	BDO576P LCP	
20	UH2	4
21	UH3	1
22	UH4	
23	UH5	
24	1-1.25" SDR11 HDPE	238
25	2-1.25" SDR11 HDPE	391
26	3-1.25" SDR11 HDPE	175
27	4-1.25" SDR11 HDPE	
28	MISC	
29	TYCO "B" SPLICE CASE	
30	TYCO "D" SPLICE CASE	
31	GROUND ROD	
32	SPLICES	
33	BM53FA	1

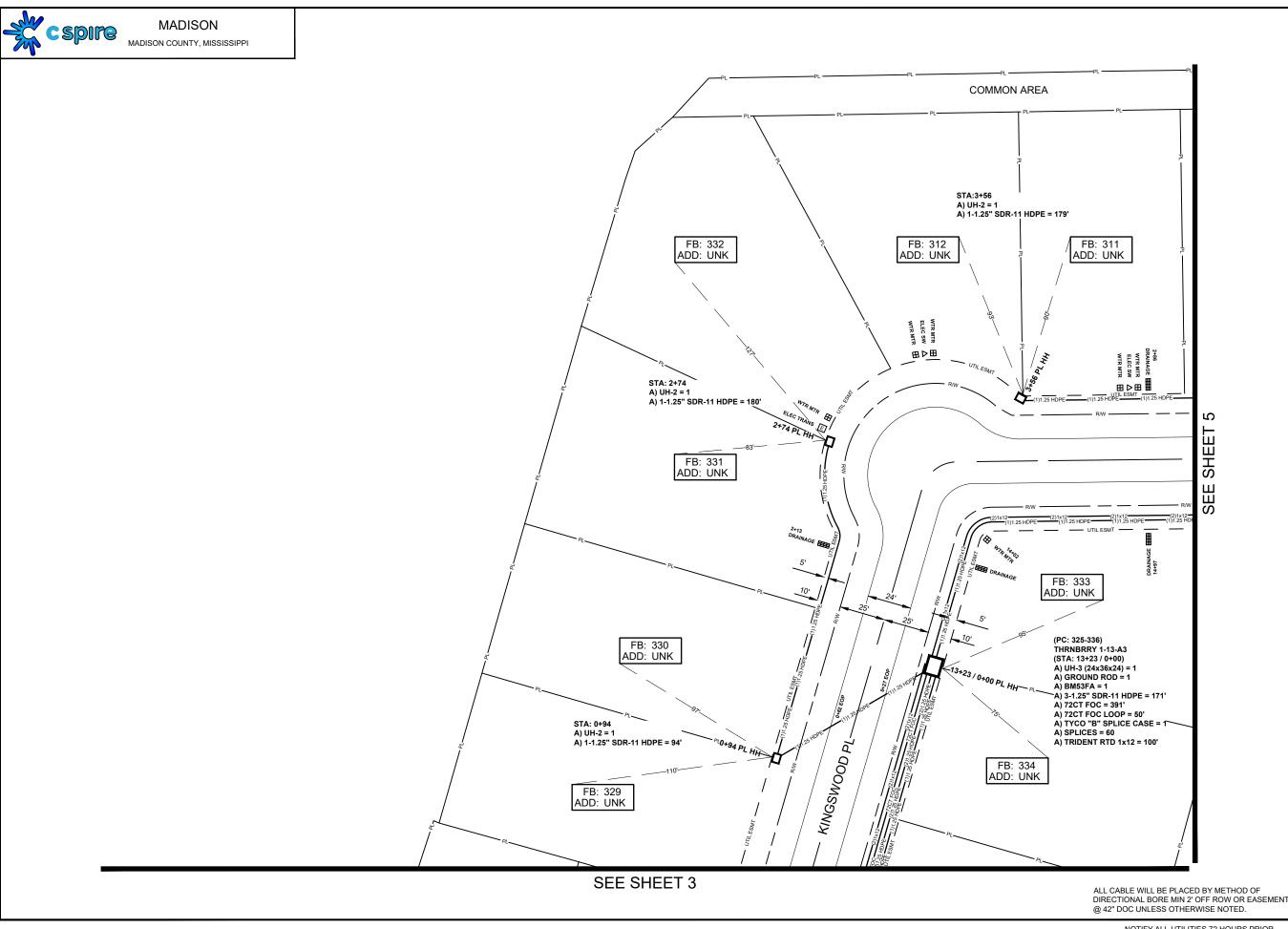
ı		REVISIONS	
l			
ı			
ı	No.	Revision/Issue	Date
ı		MAD NUMBED	

MAP NUMBER	
 4	
3	2





DISCLAIMER



l		PROJECT NAME THORNBERRY PHA	SE 3A
l	PROJECT CITY MADISON, MS		
ı		SHEET	DESCRIPTION
ı		004	CONSTRUCTION
ı		SCALE	DRAWN BY
ı		1"=50'	DELTA FIBER

#### MATERIALS LIS

	MATERIALS LIS	ST
ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	100
4	24 CT FOC	
5	24 CT FOC LOOP	
6	48 CT FOC	
7	48 CT FOC LOOP	
8	72 CT FOC	391
9	72 CT FOC LOOP	50
10	96 CT FOC	
11	96 CT FOC LOOP	
12	144 CT FOC	
13	144 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO144P LCP	
17	BDO288P LCP	
18	BDO432P LCP	
19	BDO576P LCP	
20	UH2	3
21	UH3	1
22	UH4	
23	UH5	
24	1-1.25" SDR11 HDPE	453
25	2-1.25" SDR11 HDPE	
26	3-1.25" SDR11 HDPE	171
27	4-1.25" SDR11 HDPE	
28	MISC	·
29	TYCO "B" SPLICE CASE	1
30	TYCO "D" SPLICE CASE	
31	GROUND ROD	1
32	SPLICES	60
33	BM53FA	1

	REVISIONS	
No.	Revision/Issue	Date

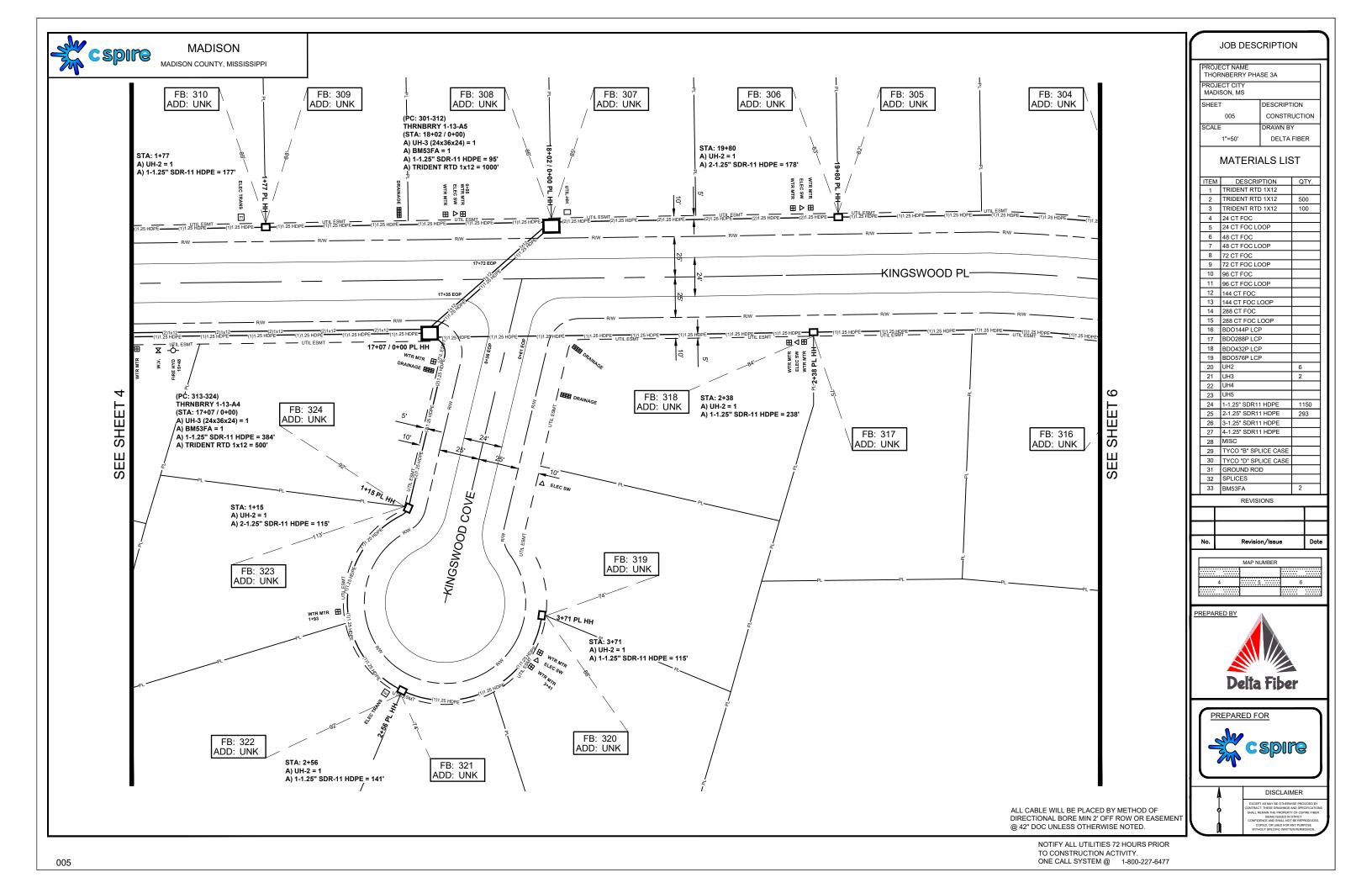
MAP NUMBER		
••••••		
	4	5
	3	

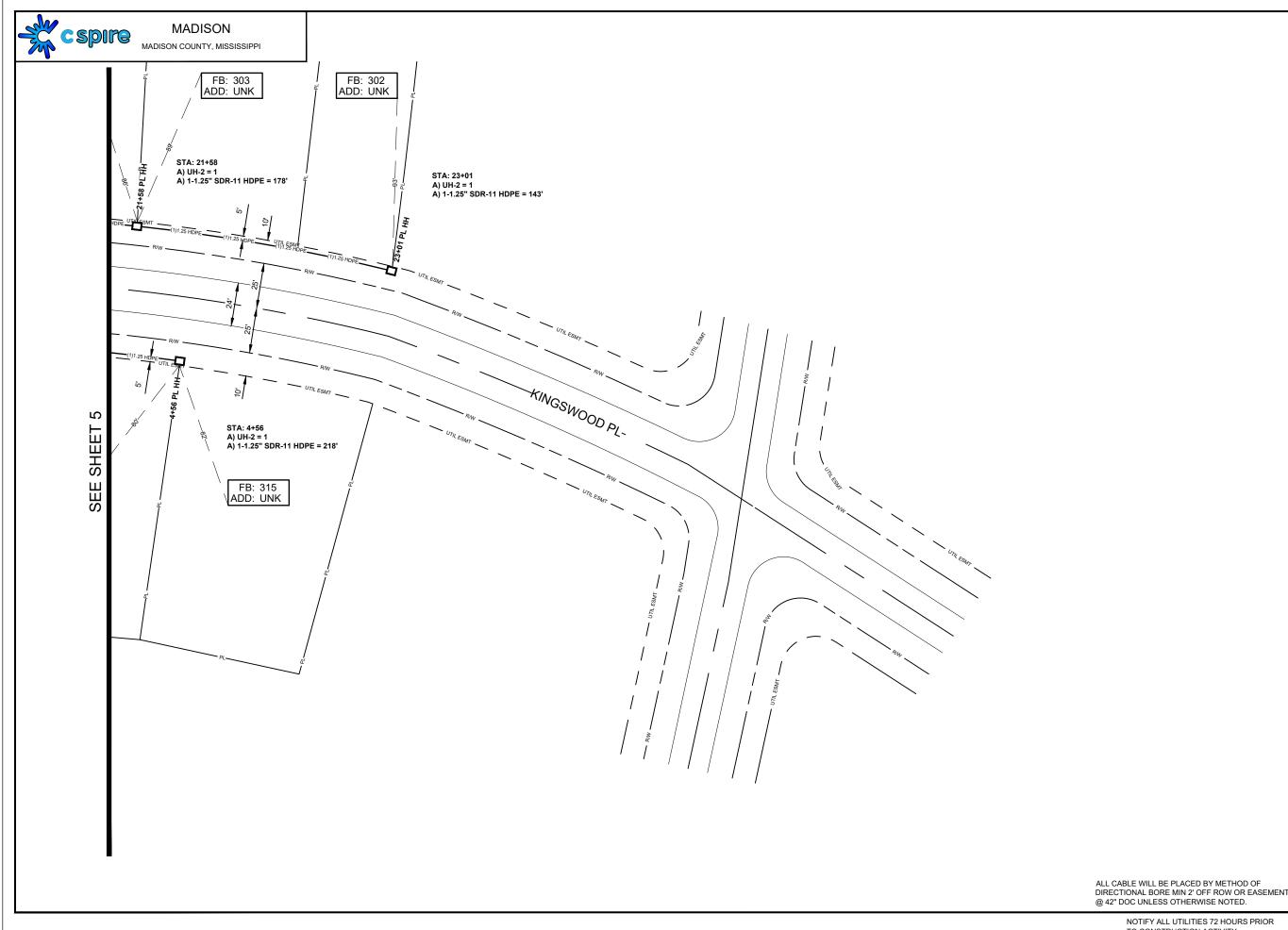




DISCLAIMER

EXCEPT AS MAY BE OTHERWISE STRUCTURED TO THE CONTINCT. THESE DRAWNISMS AND STRUCT SHAPE AND A STRUCT COMPENSATION AS A STRUCT COMPENSATION AS A STRUCT COMPENSATION AS A STRUCT COMPENSATION AS AND FURNITHMENT AND A STRUCT COMPENSATION AND FURNITHMENT AS A STRUCTURED FOR ANY PURPORT OF THE COMPENSATION AND THE COMPENSATION AS A STRUCTURE OF THE COMPENSAT





PROJECT NAME THORNBERRY PHASE 3A		
PROJECT CITY MADISON, MS		
SHEET	DESCRIPTION	
006	CONSTRUCTION	
SCALE	DRAWN BY	
1"=50'	DELTA FIBER	

### MATERIALS LIST

	MATERIALO LIC	, ,
ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	-,,
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	24 CT FOC	
5	24 CT FOC LOOP	
6	48 CT FOC	
7	48 CT FOC LOOP	
8	72 CT FOC	
9	72 CT FOC LOOP	
10	96 CT FOC	
11	96 CT FOC LOOP	
12	144 CT FOC	
13	144 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO144P LCP	
17	BDO288P LCP	
18	BDO432P LCP	
19	BDO576P LCP	
20	UH2	3
21	UH3	
22	UH4	
23	UH5	
24	1-1.25" SDR11 HDPE	539
25	2-1.25" SDR11 HDPE	
26	3-1.25" SDR11 HDPE	
27	4-1.25" SDR11 HDPE	
28	MISC	
29	TYCO "B" SPLICE CASE	
30	TYCO "D" SPLICE CASE	
31	GROUND ROD	
32	SPLICES	
33	BM53FA	

REVISIONS

No. Revision/Issue Date

	ł	 • • • •
	l .	 ::
5	6	
*******	i	 
	Ī	 

PREPARED BY





EXCEP CONTRAC SHALL R CONFOI CO WITH

DISCLAIMER

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT: THESE DRAWINGS AND SPECIFICATION SHALL REMAIN THE PROPERTY OF CENTRE FIBER REMAIN ISSUED IN STRUCT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, ON USED FOR ANY PURPOSE

MADISON COUNTY, MISSISSIPPI

(STA: 18+02 / 0+00) A) UH-3 (24x36x24) = 1 A) TRIDENT RTD 1x12 = 1000' (PC: 325-336) THRNBRRY 1-13-A3 (STA: 13+23 / 0+00) -KINGSWOOD PL-A) UH-3 (24x36x24) = 1 A) 72CT FOC = 391' A) TYCO "B" SPLICE CASE = 1 A) SPLICES = 60 A) TRIDENT RTD 1x12 = 100' (PC: 313-324) THRNBRRY 1-13-A4 (STA: 17+07 / 0+00) A) UH-3 (24x36x24) = 1 A) TRIDENT RTD 1x12 = 500' KINGSWOOD COVE-72CT FOC 301-360 -WELL STONE PL. (PC: 349-360) THRNBRRY 1-13-A1 (STA: 5+82 / 0+00) A) UH-3 (24x36x24) = 1 A) 72CT FOC = 582' A) TRIDENT RTD 1x12 = 1000' (PC: 337-348) THRNBRRY 1-13-A2 (STA: 9+32 / 0+00) A) UH-3 (24x36x24) = 1 A) 72CT FOC = 350' A) TRIDENT RTD 1x12 = 500' 72CT FOC -301-360 72CT FOC~ 301-360 NOTE: EX HH AND LCP PLACED ON THORNBERRY PHASE 1 THRNBRRY 1-13 (STA: 0+00) LIGHT UP FIBERS 301-360 BACK AT THE LCP PLACED A) UH-4 (30X48X36) = EXISTING A) TYCO "D" SPLICE CASE = EXISTING ON THORNBERRY PHASE 1

A) SPLICES = 60

[GPS: 32.531327, -90.162485]

PROJECT TO SERVE THORNBERRY PHASE 3 PROJECT FROM EX HH

THRNBRRY 1-13.

(PC: 301-312) THRNBRRY 1-13-A5

#### JOB DESCRIPTION

	PROJECT NAME THORNBERRY PHASE 4		
	PROJECT CITY MADISON, MS		
	SHEET	DESCRIPTION	
	SCHEMATIC 001	CONSTRUCTION	
1	SCALE	DRAWN BY	
П	NTS	DELTA FIBER	

	MATERIALS LIS		
ITEM	DESCRIPTION	QTY.	
1	TRIDENT RTD 1X12		
2	TRIDENT RTD 1X12		
3	TRIDENT RTD 1X12		
4	24 CT FOC		
5	24 CT FOC LOOP		
6	48 CT FOC		
7	48 CT FOC LOOP		
8	72 CT FOC		
9	72 CT FOC LOOP		
10	96 CT FOC		
11	96 CT FOC LOOP		
12	144 CT FOC		
13	144 CT FOC LOOP		
14	288 CT FOC		
15	288 CT FOC LOOP		
16	BDO144P LCP		
17	BDO288P LCP		
18	BDO432P LCP		
19	BDO576P LCP		
20	UH2		
21	UH3		
22	UH4		
23	UH5		
24	1-1.25" SDR11 HDPE		
25	2-1.25" SDR11 HDPE		
26	3-1.25" SDR11 HDPE		
27	4-1.25" SDR11 HDPE		
28	MISC		
29	TYCO "B" SPLICE CASE		
30	TYCO "D" SPLICE CASE		
31	GROUND ROD		
32	SPLICES		
33	BM53FA		
	DEVISIONS		

#### REVISIONS

No.	Revision/Issue	Date

1	
	 ******

PREPARED BY





DISCLAIMER

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