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

May 22, 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, Gluckstadt Road

The Engineering Department recommends approval of the permit application for Telepak Networks/D.B.A. Cspire Utility for construction of underground fiber-optic internet utility, by method of directional bore, within the right-of-way county-maintained roads listed below.

- Gluckstadt Road
- Kristin Hill Court

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:	
Project Information:	County Road Name:			se Appendix 1 for additional descriptions)
Beginning Location:		End	ling 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 App	lication	

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 $_$	day of	, 20
		Ву:	(Applicant Signature)
		Title:	
Note:			lison County Board of Supervisors will not recognize ility Company shall be fully responsible for all work
plans s		ements of A Policy for The	termined that the drawing, sketches, and Accommodation of Utility Facilities within
the mg	int of way of an rubic county hours.	APPR	OVED
		By timo	thy.bryan at 2:27 pm, May 29, 2024
AGREE	D TO AND APPROVED BY:		Tim Bryan, P.E. County Engineer
	Madison County Board President	Da	te:
ENTER	ED INTO THE MINUTES OF THE BOARD	OF SUPERVISORS OF N	MADISON COUNTY, MISSISSIPPI ON THIS
	DAY OF	_, 20	

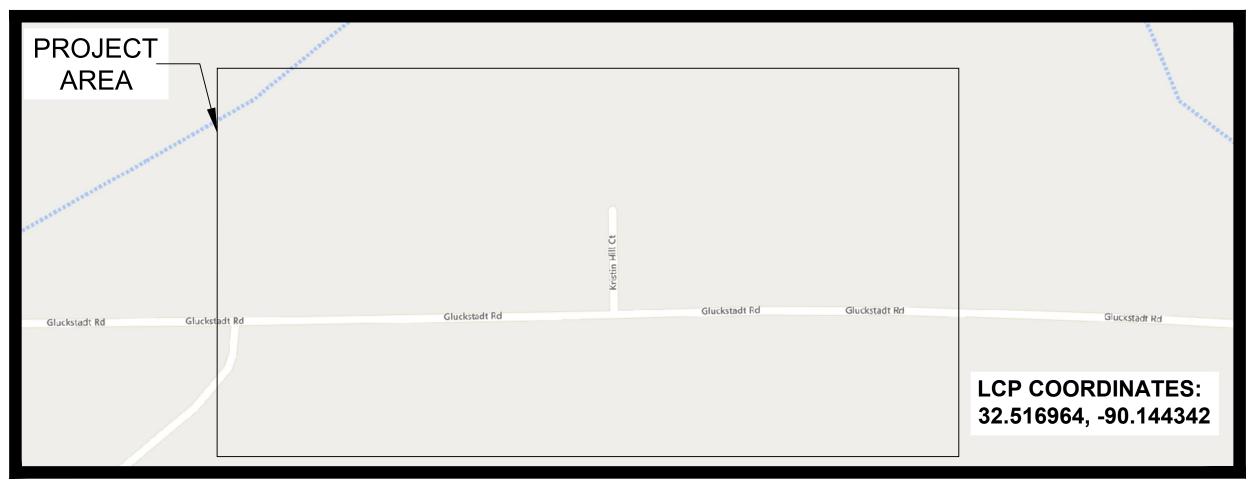
Appendix 1

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:			



KRISTIN HILL CT

MADISON MADISON COUNTY, MISSISSIPPI 5/10/24



PERMITS REQUIRED

CITY:

N/A

COUNTY:

YES

MDOT :

N/A N/A

FEDERAL : RAILROAD :

N/A

PRIVATE R/W: N/A

MISC:

N/A

HOUSE COUNT

OCCUPIED: 5 VACANT: 0

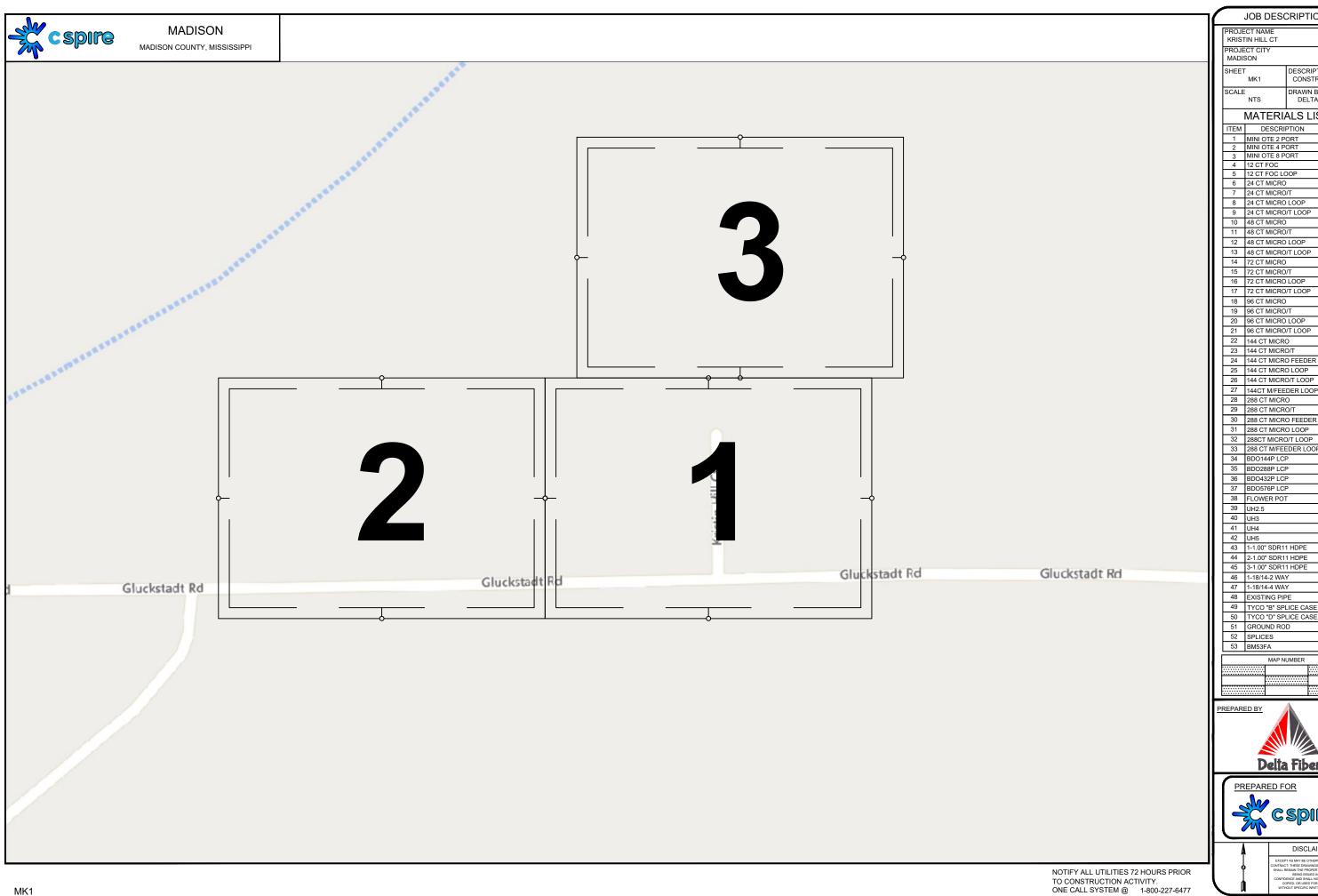
TOTAL:

MILEAGE 0.19 LOTS PER MILE 26.32

5

PREPARED BY:





KRISTIN HILL CT PROJECT CITY DESCRIPTION CONSTRUCTION MK1 DRAWN BY DELTA FIBER NTS

MATERIALS LIST

ITEM DESCRIPTION QTY. 1 MINI OTE 2 PORT
2 MINI OTE 4 PORT
3 MINI OTE 8 PORT
4 12 CT FOC
5 12 CT FOC LOOP
6 24 CT MICRO 7 24 CT MICRO/T 8 24 CT MICRO LOOP 9 24 CT MICRO/T LOOP
10 48 CT MICRO
11 48 CT MICRO/T 12 48 CT MICRO LOOP 13 48 CT MICRO/T LOOP 14 72 CT MICRO 15 72 CT MICRO/T 16 72 CT MICRO/T 16 72 CT MICRO LOOP 17 72 CT MICRO/T LOOP 18 96 CT MICRO
19 96 CT MICRO/T
20 96 CT MICRO LOOP 21 96 CT MICRO/T LOOP 22 144 CT MICRO
23 144 CT MICRO/T
24 144 CT MICRO FEEDER 25 144 CT MICRO LOOP 26 144 CT MICRO/T LOOP 27 144CT M/FEEDER LOOP

44 2-1.00" SDR11 HDPE 45 3-1.00" SDR11 HDPE 46 1-18/14-2 WAY 47 1-18/14-4 WAY 48 EXISTING PIPE 49 TYCO "B" SPLICE CASE 50 TYCO "D" SPLICE CASE 51 GROUND ROD 52 SPLICES 53 BM53FA MAP NUMBER

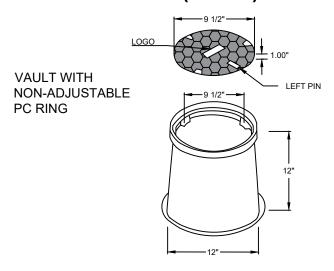




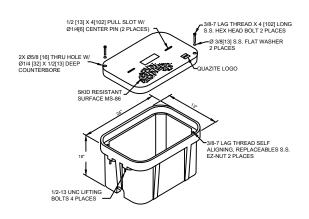


MADISON MADISON COUNTY

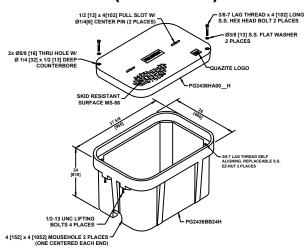
VAULT (ROUND) (9.5x12)



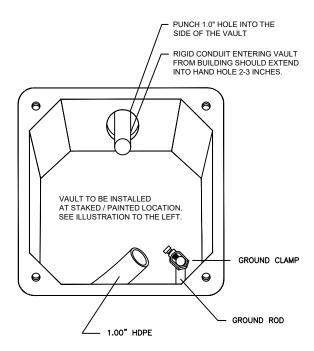
VAULT (13x24x18)



VAULT (24x36x24)

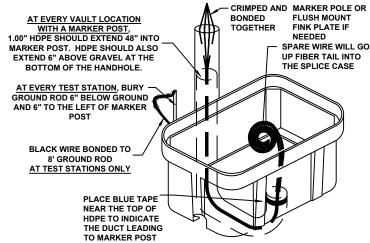


TYPICAL VAULT HAND HOLE INSTALLATION PROCEDURES AT BUILDING ENTRIES



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

TYPICAL VAULT INSTALLATION



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

DESIGN/TEST

I OAD#

20,000 LBS

20.000 LBS

20,000 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 20,00 LBS.

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 COMPONENTS IN AN ASSEMBLY (BOX & COVER) ARE

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

HANDHOLES ARE TO BE INSTALLED A MINIMUM OF THREE FEET

FROM ANY UTILITY OR POWER POLE.

VAULT 24x36x24

VAULT 13x24x18

DESCRIPTION

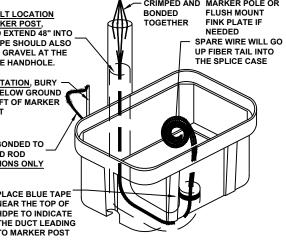
VAULT (ROUND) 9.5x12

BOXES (Nestable)

DESIGN LOAD EXCEED THE DESIGN LOAD OF THE BOX. ALL 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

> > NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY. ONE CALL SYSTEM @ 1-800-227-6477



2. ALL ENCLOSURES, BOXES AND COVERS, ARE REQUIRED TO CONFORM TO ALL TEST PROVISIONS OF ANSI/SCTE 77

PREPARED FOR

DISCLAIMER

JOB DESCRIPTION

MATERIALS LIST

ITEM DESCRIPTION QTY.

2 MINI OTE 4 PORT 3 MINI OTE 8 POR

5 12 CT FOC LOOF 6 24 CT MICRO 7 24 CT MICRO/T

8 24 CT MICRO LOOP

10 48 CT MICRO

11 48 CT MICRO/T 12 48 CT MICRO LOOP 13 48 CT MICRO/T LOOP 14 72 CT MICRO 15 72 CT MICRO/T 16 72 CT MICRO LOOP 17 72 CT MICRO/T LOOP 18 96 CT MICRO 19 96 CT MICRO/ 20 96 CT MICRO LOOP 21 96 CT MICRO/T LOOP 22 144 CT MICRO 23 144 CT MICRO/T 24 144 CT MICRO FEEDER 25 144 CT MICRO LOOP 26 144 CT MICRO/T LOOP 27 144CT M/FEEDER LOOP

28 288 CT MICRO 29 288 CT MICRO/T

30 288 CT MICRO FEEDER

31 288 CT MICRO LOOP

32 288CT MICRO/T LOOP

33 288 CT M/FEEDER LOG

34 BDO144P LCP

35 BDO288P LCP

36 BDO432P LCP

37 BDO576P LCP

38 FLOWER POT

43 1-1.00" SDR11 HDPE

44 2-1.00" SDR11 HDPE

45 3-1.00" SDR11 HDPE

49 TYCO "B" SPLICE CASE

50 TYCO "D" SPLICE CASE

MAP NUMBER

Delta Fiber

46 1-18/14-2 WAY 47 1-18/14-4 WAY 48 EXISTING PIPE

51 GROUND ROD

52 SPLICES 53 BM53FA

PREPARED BY

39 UH2.5

40 UH3

41 UH4 42 UH5

9 24 CT MICRO/T LOOP

4 12 CT FOC

DESCRIPTION

CONSTRUCTION

DELTA FIBER

PROJECT NAME

PROJECT CITY

SHEET **TYPICALS**



MADISON COUNTY

SYMBOLS KEY

						PROPERTY LINE
DIRECTIONAL BORE	DB	RAILROAD TRACKS				EDGE OF PAVEMENT
AERIAL CABLE				50' 🗕 ⊨		BACK OF CURB
		AUXILLARY TRACKS		-++++++	+++-	WHITE LINE
PLOW OR BURIED CABLE		CENTERLINE				RIGHT-OF-WAY LINE
DIRECTIONAL BORE 5" HDPE	→ DB →	WOOD LINE				
PVC OR SPLIT PVC CONDUIT	_ =	DITCH LINE				TAY DIOTDIOT DOUBLE ADV
ASTMA 139 GRADE B STEEL						TAX DISTRICT BOUNDARY
JACK AND BORE		TOP OF SLOPE		TOP OF SLOPE		
JACK AND BOKE		TOE OF SLOPE		TOE OF SLOPE		PROBE (DEPTH AS INDACATED)
CORE BORE		AERIAL UTILITY (ELECTRIC)		——— E ——		, , , , , , , , , , , , , , , , , , , ,
EXISTING TELEPAK CABLE		UNDERGROUND UTILITY (TELE	PHONE)	(TEL)	(15")	PERMIT TRACKING FORM IDENTIF
DDODOSED HANDHOLE	ISTING HANDHOLE	(PARTIAL CAPSULE INDICATES	COVER DEPTH IN INCHES)	CAUTION CAUTION	CAUTION	
PROPOSED HANDHOLE EXI	ISTING HANDHOLE	CAUTION NOTES		GAS X-ING GAS X-ING	WATER X-ING	
HANDHOLE (CABLE IN HDPE)		WATER VALVE		Ø×		DEL TA FIDI
HH (CABLE IN PVC CONDUIT)		WATER METER		⊞		DELTA FIBI
III (O'DEE IVI VO GONDOII)		GAS VALVE		\Diamond		1-1.25 HDPE ———(1)1.25 HDPE——
HANDHOLE (CABLE IN GSP CONDUIT)		FIRE HYDRANT		4		2-1.25 HDPE (2)1.25 HDPE
MANUOLE		THETHORY		- ∳		3-1.25 HDPE (3)1.25 HDPE
MANHOLE	0	STORM DRAIN				4-1.25 HDPE ———(4)1.25 HDPE—— 5-1.25 HDPE ———(5)1.25 HDPE—
MANHOLE (CABLE IN HDPE)						5-1.25 HDPE ————(5)1.25 HDPE————————————————————————————————————
		SEWER MANHOLE		S		
MANHOLE (CABLE IN PVC CONDUIT)		CULVERT		>	<	12CT FOC12CT FOC
MANHOLE (CABLE IN BSP/GSP CONDUIT)					•	24CT FOC ——24CT FOC—
·		BOX CULVERT				48CT FOC ——48CT FOC——72CT
H-FRAME	Η	CITY, COUNTY OR STATE BOUI	NDARY LINE		_	96CT FOC ———————————————————————————————————
BORE PIT		0.111, 000.1111	TO THE			144CT FOC ———144CT FOC———
LIGHTNING ARRESTOR	LIGHTNING ARRESTOR	R.R. CROSSING SIGNAL	**************************************	PUSH BRACE	30'-5-84 PB	288CT FOC ———288CT FOC——
			₹69		J	(2)288CT FOC(2)288(
AC/DC FILTER PROTECTION	AC/DC FILTER PROTECTION	R.R. SIGNAL ARM		JOINT USE POLE	\otimes	1x4 TRIDENT ———1x4——
ALUMINUM HUB STYLE MARKER	會	U/G TRANSFORMER		TELEPHONE POLE	0	1x8 TRIDENT ———1x8——
	<u> </u>	0/6 TRANSI ONWIEN			O	1x12 TRIDENT ——1x12——
STEEL MARKER	1	STREET/SIGNAL LIGHT	0	CONCRETE POLE	©	2x12 TRIDENT ———(2)1x1:
FLAT COMPOSOLITE MARKER	1	PARKING METER	Δ	STEEL POLE	S	RIGHT OF WAY
	•		_			
TUBULAR MARKER	1	STEEL/WOOD POST	0	POWER POLE	×	DRIVEWAY -
	-	SIGN	d	TD050.0150.00.5	5 7	
RIGHT-OF-WAY MARKER	\odot		7	TRANSFORMER POLE	\boxtimes	EDGE OF PAVEMENT ————————————————————————————————————
RIGHT-OF-WAY PIN		FENCE LINE				DROPS TO HOUSES — —
		TELEPHONE/CATV PED		GROUND WIRE	<u> </u>	
MILE POST MARKER	15 15	TREE	\odot		<u>-</u>	AERIAL IMAGES
NOTE: DASHED = (NOT FOUND IN FIELD)		DIICH	*	BOND AND GROUND	B&G	PROPERTY LINE ———— PL UTILITY EASEMENT ————
		BUSH	*			SIDEWALK — · · ·
						i

PROPERTY LINE	
EDGE OF PAVEMENT	—EOP———EOP—
BACK OF CURB	—BOC——BOC-
WHITE LINE	──W/L ───W/L -
RIGHT-OF-WAY LINE	
TAX DISTRICT BOUNDARY	T038-42 51762A
PROBE (DEPTH AS INDACATED)	42"
PERMIT TRACKING FORM IDENTIFIER	P.T.F. 187

DELTA FIBER TYPICAL LINETYPES

1-1.25 HDPE	(1)1.25 HDPE	(1)1.25 HDPE	—(1)1.25 HDPE——	(1)1.25 HDPE	(1)1.25 HDPE
2-1.25 HDPE -	(2)1.25 HDPE	(2)1.25 HDPE	—(2)1.25 HDPE——	(2)1.25 HDPE	(2)1.25 HDPE
3-1.25 HDPE	(3)1.25 HDPE	(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	(4)1.25 HDPE	(4)1.25 HDPE
5-1.25 HDPE	(5)1.25 HDPE	(5)1.25 HDPE	(5)1.25 HDPE	(5)1.25 HDPE	(5)1.25 HDPE
6-1.25 HDPE	(6)1.25 HDPE	(6)1.25 HDPE	(6)1.25 HDPE	(6)1.25 HDPE	(6)1.25 HDPE
12CT FOC —	12CT FOC	12CT FOC	120	CT FOC-	12CT FOC
24CT FOC —	24CT FOC	24CT FOC	24	CT FOC-	24CT FOC
48CT FOC —	48CT FOC	48CT FOC	48	CT FOC-	48CT FOC
72CT FOC —	72CT FOC	72CT FOC	720	CT FOC-	72CT FOC
96CT FOC —	96CT FOC	96CT FOC	96	CT FOC-	96CT FOC
144CT FOC —	—144CT FOC———	144CT FOC-	14	4CT FOC———	144CT FOC
288CT FOC ——	—288CT FOC———	288CT FOC-	28	88CT FOC-	288CT FOC
(2)288CT FOC	(2)288	CT FOC-	(2)288CT FOC	(2)28	88CT FOC———
1x4 TRIDENT —	1x4	1x4	1x4	1x4	1x4
1x4 TRIDENT —	1x41x8			1x4————————————————————————————————————	1x4————————————————————————————————————
	1x8	1x8	1x8	1x8	
1x8 TRIDENT —	1x8	1x8	1x8	1x8	1x8
1x8 TRIDENT —— 1x12 TRIDENT ——	1x8	1x8	1x8	1x8	1x8
1x8 TRIDENT —— 1x12 TRIDENT ——	-1x8(2)1x1	1x8	1x8	1x8	1x8
1x8 TRIDENT — 1x12 TRIDENT — 2x12 TRIDENT —	-1x8(2)1x1	-1x8	1x8	1x8	1x8
1x8 TRIDENT — 1x12 TRIDENT — 2x12 TRIDENT —	-1x8(2)1x1	-1x8	1x8	1x8	1x8
1x8 TRIDENT — 1x12 TRIDENT — 2x12 TRIDENT — RIGHT OF WAY —	-1x8(2)1x1	-1x8	1x8	1x8	1x8
1x8 TRIDENT — 1x12 TRIDENT — 2x12 TRIDENT — RIGHT OF WAY —	1x81x12(2)1x1	-1x8	1x8	1x8	1x8
1x8 TRIDENT — 1x12 TRIDENT — 2x12 TRIDENT — RIGHT OF WAY — DRIVEWAY —	1x81x12	-1x8	1x8	1x8	1x8
1x8 TRIDENT — 1x12 TRIDENT — 2x12 TRIDENT — RIGHT OF WAY — DRIVEWAY — EDGE OF PAVEME	1x81x12	-1x8	1x8	1x8	1x8
1x8 TRIDENT — 1x12 TRIDENT — 2x12 TRIDENT — RIGHT OF WAY — DRIVEWAY — EDGE OF PAVEME CENTERLINE OF F DROPS TO HOUSE	1x81x12	-1x8	1x8	1x8	1x8
1x8 TRIDENT — 1x12 TRIDENT — 2x12 TRIDENT — RIGHT OF WAY — DRIVEWAY — EDGE OF PAVEME CENTERLINE OF F DROPS TO HOUSE AERIAL IMAGES	1x81x12	1x8————————————————————————————————————	1x8————————————————————————————————————	1x8	1x8————————————————————————————————————
1x8 TRIDENT — 1x12 TRIDENT — 2x12 TRIDENT — RIGHT OF WAY — DRIVEWAY — EDGE OF PAVEME CENTERLINE OF F DROPS TO HOUSE	1x81x12	1x8————————————————————————————————————	1x8	1x8	1x8
1x8 TRIDENT — 1x12 TRIDENT — 2x12 TRIDENT — RIGHT OF WAY — DRIVEWAY — EDGE OF PAVEME CENTERLINE OF F DROPS TO HOUSE AERIAL IMAGES	1x8	1x8————————————————————————————————————	1x8————————————————————————————————————	1x8	1x8— 1x12— (2)1x12—

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

NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY. ONE CALL SYSTEM @ 1-800-227-6477

JOB DESCRIPTION PROJECT NAME KRISTIN HILL CT PROJECT CITY DESCRIPTION SHEET LEGEND CONSTRUCTION DRAWN BY DELTA FIBER NTS MATERIALS LIST ITEM DESCRIPTION QTY. 1 MINI OTE 2 PORT 2 MINI OTE 4 PORT 3 MINI OTE 8 PORT 4 12 CT FOC 5 12 CT FOC LOOP 6 24 CT MICRO 7 24 CT MICRO/T 8 24 CT MICRO LOOP 9 24 CT MICRO/T LOOP 10 48 CT MICRO 11 48 CT MICRO/T 12 48 CT MICRO LOOP 13 48 CT MICRO/T LOOP 14 72 CT MICRO 15 72 CT MICRO/T 16 72 CT MICRO LOOP 17 72 CT MICRO/T LOOP 18 96 CT MICRO 19 96 CT MICRO/T 20 96 CT MICRO LOOP 21 96 CT MICRO/T LOOP 22 144 CT MICRO 23 144 CT MICRO/T 24 144 CT MICRO FEEDER 25 144 CT MICRO LOOP 26 144 CT MICRO/T LOOP 27 144CT M/FEEDER LOOP 28 288 CT MICRO 29 288 CT MICRO/T 30 288 CT MICRO FEEDER 31 288 CT MICRO LOOP 32 288CT MICRO/T LOOP 33 288 CT M/FEEDER LOO 34 BDO144P LCP 35 BDO288P LCP 35 BDO288P LCP 36 BDO432P LCP 37 BDO576P LCP 38 FLOWER POT 39 UH2.5 40 UH3 41 UH4 42 UH5 43 1-1.00" SDR11 HDPE 44 2-1.00" SDR11 HDPE 45 3-1.00" SDR11 HDPE 46 1-18/14-2 WAY 47 1-18/14-4 WAY 48 EXISTING PIPE 49 TYCO "B" SPLICE CASE



MAP NUMBER

50 TYCO "B" SPLICE CASE
50 TYCO "D" SPLICE CASE
51 GROUND ROD
52 SPLICES

53 BM53FA

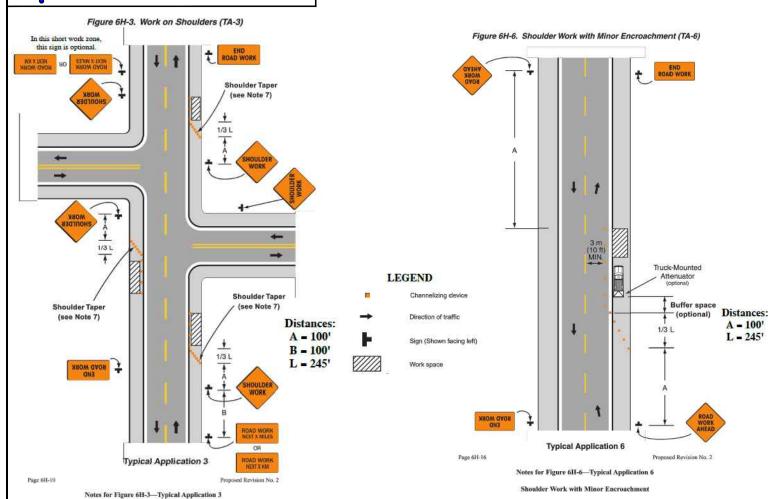


DISCLAIMER

EXCEPT AS MAY BE OTHERWISE PROVIDED BE CONTRACT. THESE DRAWNINGS AND SPECIFICAT SHALL REMAIN THE PROPERTY OF CRISIN BEING ISSUED IN STRICT CONFIDENCE AND OHALL NOT BE REPRODUCE.



MADISON COUNTY



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	Α	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.		

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.

KRISTIN HILL CT PROJECT CITY SHEET DESCRIPTION TRAFFIC CONTRO SCALE DRAWN BY DELTA FIBER MATERIALS LIST ITEM DESCRIPTION QTY. 1 MINI OTE 2 PORT 2 MINI OTE 4 PORT 3 MINI OTE 8 POR 4 12 CT FOC 5 12 CT FOC LOOF 6 24 CT MICRO 7 24 CT MICRO/T 8 24 CT MICRO LOOP 9 24 CT MICRO/T LOOP 10 48 CT MICRO 11 48 CT MICRO/T 12 48 CT MICRO LOOP 13 48 CT MICRO/T LOOP 14 72 CT MICRO 15 72 CT MICRO/T 16 72 CT MICRO LOOP 17 72 CT MICRO/T LOOP 18 96 CT MICRO 19 96 CT MICRO/T 20 96 CT MICRO LOOP 21 96 CT MICRO/T LOOP 22 144 CT MICRO 23 144 CT MICRO/T 24 144 CT MICRO FEEDER 25 144 CT MICRO LOOP 26 144 CT MICRO/T LOOP 27 144CT M/FEEDER LOOP 28 288 CT MICRO 29 288 CT MICRO/T 30 288 CT MICRO FEEDER 31 288 CT MICRO LOOP 32 288CT MICRO/T LOOP 33 288 CT M/FEEDER LOC 34 BDO144P LCP 35 BDO288P LCP 36 BDO432P LCP 37 BDO576P LCP 38 FLOWER POT 39 UH2.5 40 UH3 41 UH4 42 UH5 43 1-1.00" SDR11 HDPE 44 2-1.00" SDR11 HDPE 45 3-1.00" SDR11 HDPE 46 1-18/14-2 WAY 47 1-18/14-4 WAY 48 EXISTING PIPE 49 TYCO "B" SPLICE CASE 50 TYCO "D" SPLICE CASE 51 GROUND ROD 52 SPLICES 53 BM53FA

JOB DESCRIPTION

PROJECT NAME



MAP NUMBER



DISCLAIMER

EXCEPT AS MAY BE CHARRESS PROVIDED BY CONTRACT. THESE DRAWNING AND SETTION OF SHALL REMAIN THE PROPERTY OF CERTIFIC FIRST SHEEL SHEEL OF STREET.

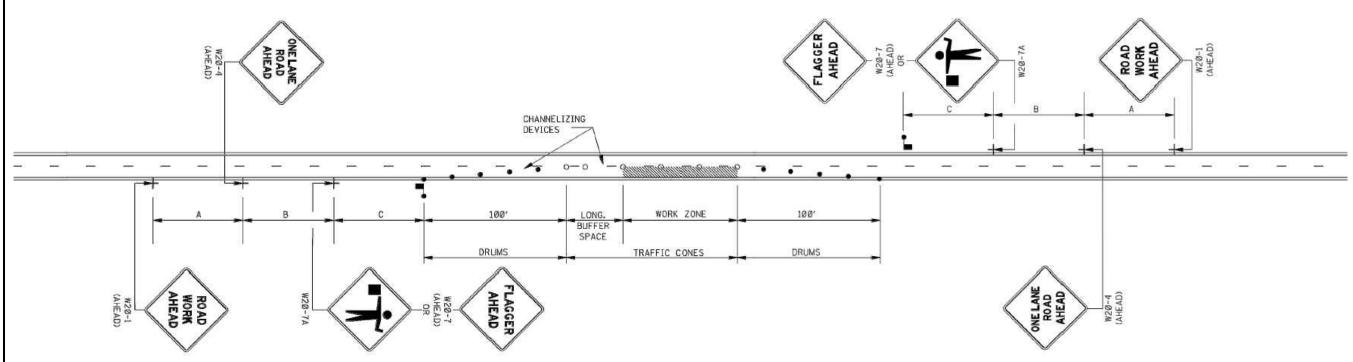
CONTRACT, AND SHALL BY IT BE REPRODUCED.

WITHOUT SPECIFIC WINTEN PERSHSSION.

NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 1-800-227-6477



MADISON COUNTY



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.

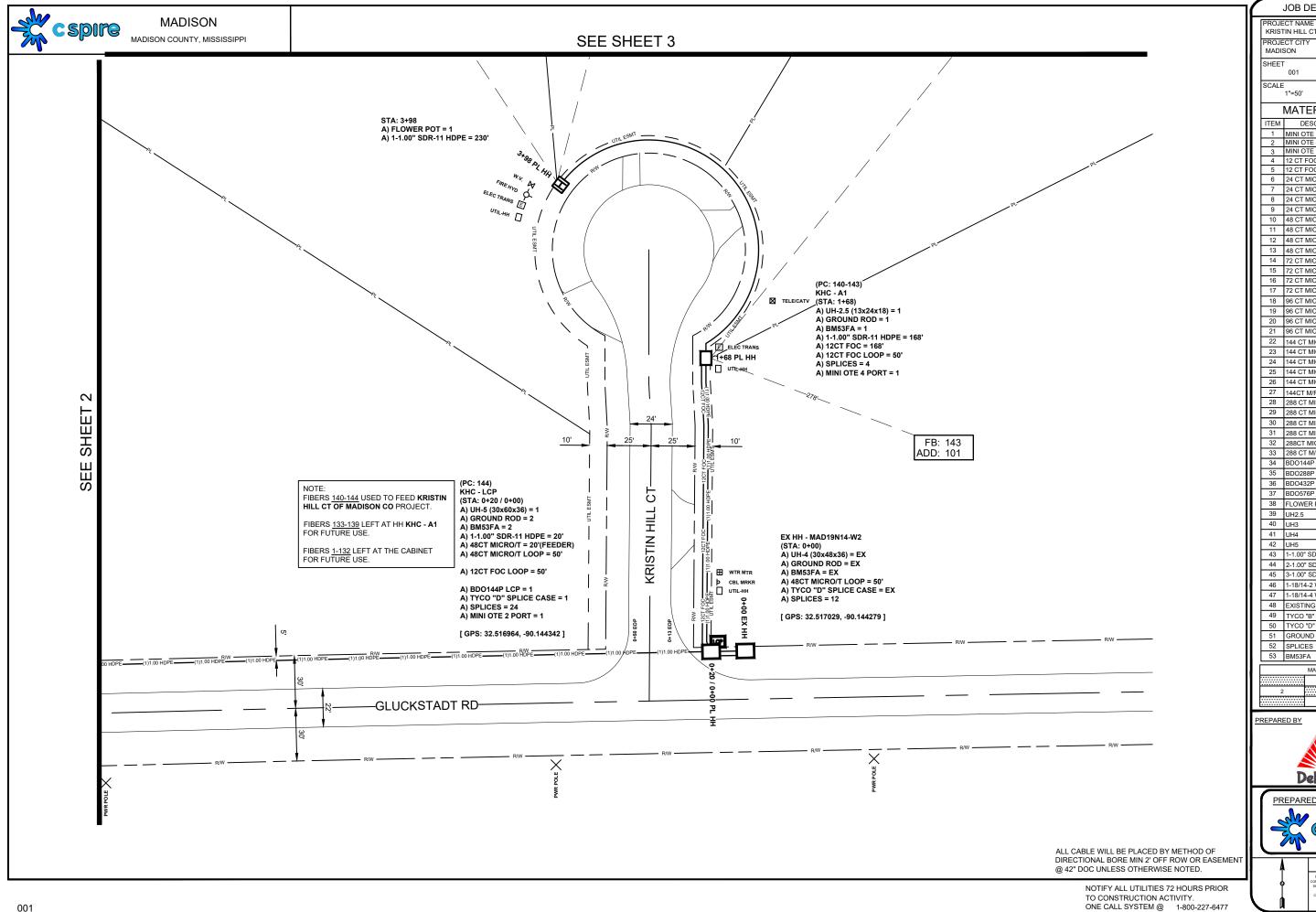
- 2. ALL CHANNELIZING DEVICES SHALL BE A MINIMUM OF 28" IN HEIGHT.
- 3. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 36" x 36" AND BLACK COPY ON FLUORESCENT ORANGE SHEETING.
- 4. WHEN WORK ZONE IS NO LONGER NEEDED, ALL SIGNS SHALL BE COVERED OR REMOVED AND ALL CHANNELIZING DEVICES SHALL 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

ľ		JOB DESC	CRIPTI	ON		
П		CT NAME IN HILL CT				
I	PROJE	PROJECT CITY				
ı	MADIS		DESCRI	OTION		
	SHEET	TC2	DESCRIF TRAFFIC	CONTROL		
	SCALE		DRAWN DELT	BY A FIBER		
ı		MATERIA	ALS L	IST		
I	ITEM	DESCRI		QTY.		
	1 2	MINI OTE 2 P				
	3	MINI OTE 8 P				
l	4 5	12 CT FOC 12 CT FOC LO	OOP	-		
l	6	24 CT MICRO		+		
l	7	24 CT MICRO				
l	8	24 CT MICRO 24 CT MICRO		+		
l	10	48 CT MICRO		+		
l	11	48 CT MICRO				
ĺ	12	48 CT MICRO				
	13	48 CT MICRO 72 CT MICRO	/T LOOP	+		
	15	72 CT MICRO	/T	+		
	16	72 CT MICRO	LOOP			
	17	72 CT MICRO				
ĺ	18 19	96 CT MICRO 96 CT MICRO		+		
ĺ	20	96 CT MICRO		<u> </u>		
l	21	96 CT MICRO				
l	22	144 CT MICRO		-		
ĺ	24	144 CT MICRO		۲		
	25	144 CT MICRO				
	26 27	144 CT MICRO				
	28	144CT M/FEE 288 CT MICRO		-		
	29	288 CT MICRO				
	30	288 CT MICRO		₹		
	31	288 CT MICRO 288CT MICRO		+		
	33	288 CT M/FEE)P		
	34	BDO144P LCF				
	35 36	BDO288P LCF BDO432P LCF		+		
	37	BDO432P LCF		+		
	38	FLOWER POT	Г			
	39 40	UH2.5		+		
ĺ	40	UH3 UH4				
l	42	UH5				
l	43	1-1.00" SDR1				
ĺ	44	2-1.00" SDR1				
ĺ	46	1-18/14-2 WA				
ĺ	47	1-18/14-4 WA				
l	48	EXISTING PIF		_		
l	50	TYCO "B" SPI				
ĺ	51	GROUND RO				
l	52	SPLICES				
l	53	BM53FA				
ĺ		MAP N	UMBER ∷			
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Delta Fiber





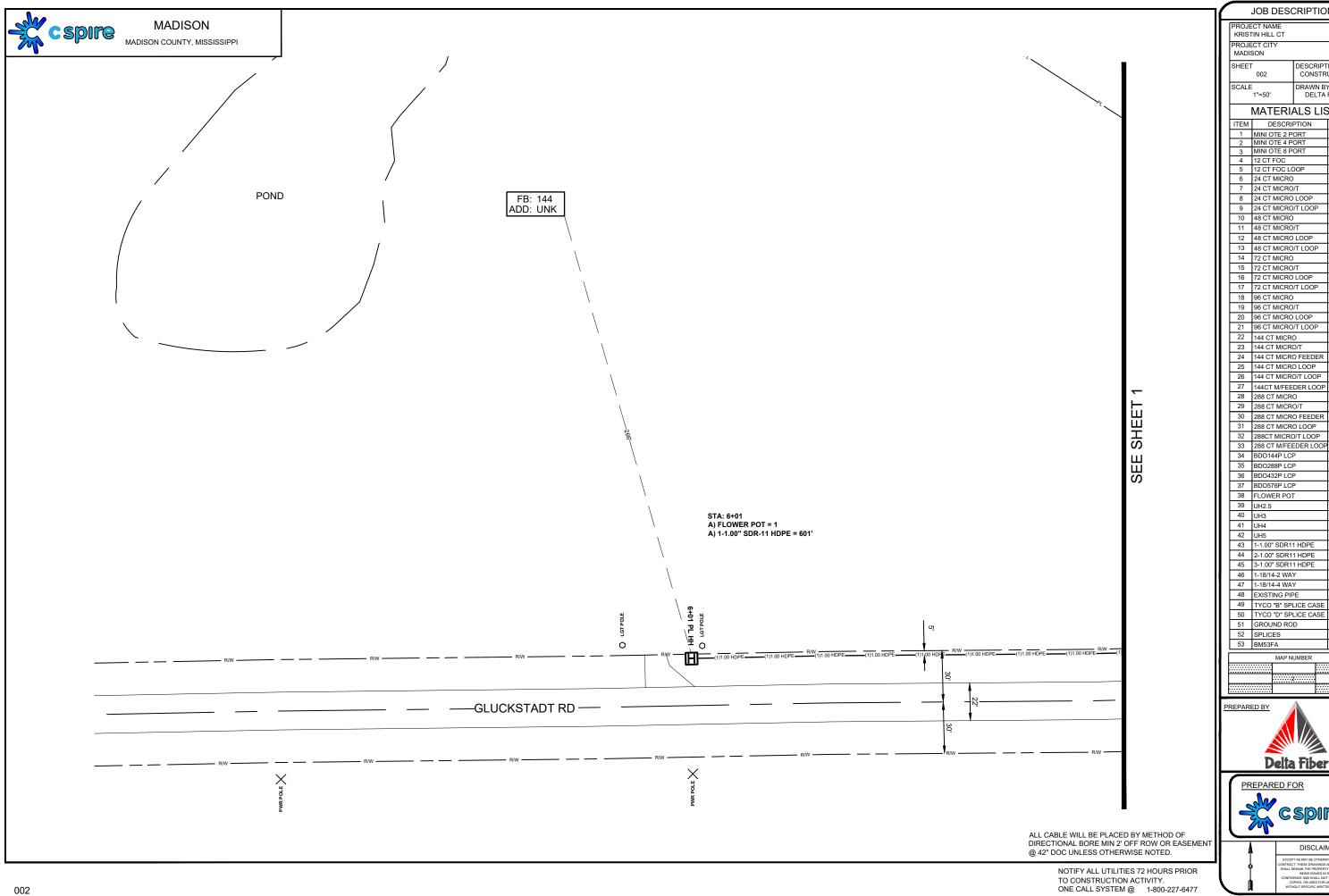
KRISTIN HILL CT PROJECT CITY MADISON DESCRIPTION CONSTRUCTION SHEET 001 DRAWN BY DELTA FIBER

1"=50' DELTA FIBER				
MATERIALS LIST				
ITEM	DESCRI	PTION	QTY.	
1	MINI OTE 2 P	ORT	1	
2	MINI OTE 4 P	ORT	1	
3	MINI OTE 8 P	ORT		
4	12 CT FOC		168	
5	12 CT FOC LC	OOP	100	
6	24 CT MICRO			
7	24 CT MICRO			
8	24 CT MICRO			
9	24 CT MICRO			
10	48 CT MICRO			
11	48 CT MICRO		20	
12	48 CT MICRO	LOOP		
13	48 CT MICRO	/T LOOP	100	
14	72 CT MICRO			
15	72 CT MICRO	/T		
16	72 CT MICRO			
17	72 CT MICRO	/T LOOP		
18	96 CT MICRO			
19	96 CT MICRO	/T		
20	96 CT MICRO			
21	96 CT MICRO	/T LOOP		
22	144 CT MICRO	C		
23	144 CT MICRO	T/C		
24	144 CT MICRO	FEEDER		
25	144 CT MICRO	DLOOP		
26	144 CT MICRO	O/T LOOP		
27	144CT M/FEE	DER LOOP		
28	288 CT MICRO	0		
29	288 CT MICRO			
30	288 CT MICRO	O FEEDER		
31	288 CT MICRO			
32	288CT MICRO			
33	288 CT M/FEE	DER LOOP		
34	BDO144P LCF	•	1	
35	BDO288P LCF)		
36	BDO432P LCF			
37	BDO576P LCF	•		
38	FLOWER POT		1	
39	UH2.5		1	
40	UH3			
41	UH4			
42	UH5		1	
43	1-1.00" SDR1		418	
44	2-1.00" SDR1			
45	3-1.00" SDR1			
46	1-18/14-2 WA	Y		
47	1-18/14-4 WA			
48	EXISTING PIF			
49	TYCO "B" SPI	ICE CASE		
50	TYCO "D" SPI		1	
51	GROUND RO	D	2	
52	CDI ICEC		40	

MAP NUMBER







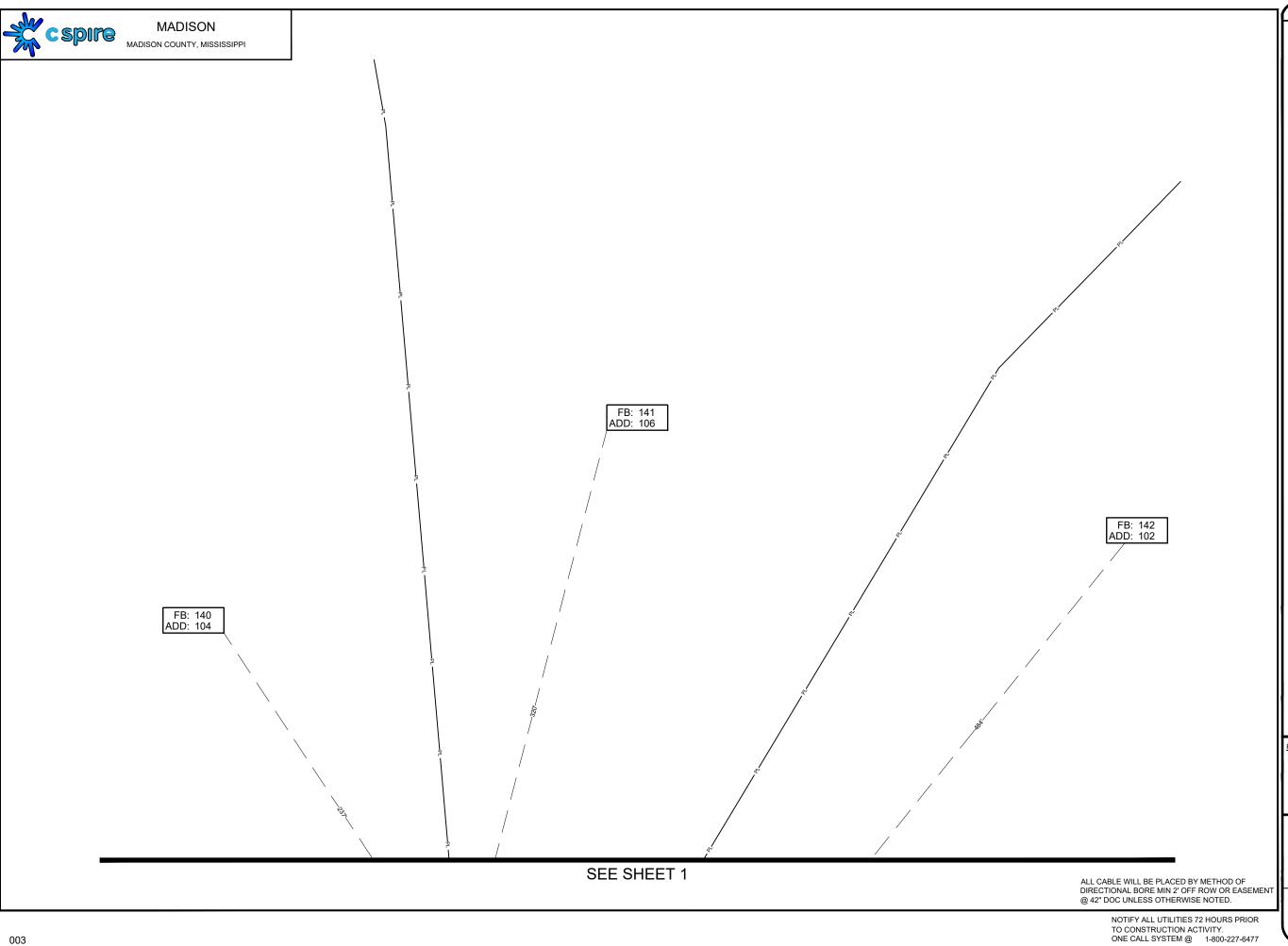
PROJECT NAME KRISTIN HILL CT PROJECT CITY MADISON DESCRIPTION CONSTRUCTION SHEET 002 DRAWN BY DELTA FIBER SCALE 1"=50'

MATERIALS LIST			
ITEM	DESCRIPTION	QTY.	
1	MINI OTE 2 PORT		
2	MINI OTE 4 PORT		
3	MINI OTE 8 PORT		
4	12 CT FOC		
5	12 CT FOC LOOP		
6	24 CT MICRO		
7	24 CT MICRO/T		
8	24 CT MICRO LOOP		
9	24 CT MICRO/T LOOP		
10	48 CT MICRO		
11	48 CT MICRO/T		
12	48 CT MICRO LOOP		
13	48 CT MICRO/T LOOP		
14	72 CT MICRO		
15	72 CT MICRO/T		
16	72 CT MICRO LOOP		
17	72 CT MICRO/T LOOP		
18	96 CT MICRO		
19	96 CT MICRO/T		
20	96 CT MICRO LOOP		
21	96 CT MICRO/T LOOP		
22	144 CT MICRO		
23	144 CT MICRO/T		
24	144 CT MICRO FEEDER		
25	144 CT MICRO LOOP		
26	144 CT MICRO/T LOOP		
27	144CT M/FEEDER LOOP		
28	288 CT MICRO		
29	288 CT MICRO/T		
30	288 CT MICRO FEEDER		
31	288 CT MICRO LOOP		
32	288CT MICRO/T LOOP		
33	288 CT M/FEEDER LOOP		
34	BDO144P LCP		
35	BDO288P LCP		
200	DDO 400D I OD		

 TYCO 'B' SMILE CASE
 TYCO 'D' SPLICE CASE
 GROUND ROD
 SPLICES
 BM53FA MAP NUMBER







PROJECT NAME KRISTIN HILL CT PROJECT CITY MADISON DESCRIPTION CONSTRUCTION SHEET 003 DRAWN BY DELTA FIBER SCALE 1"=50'

	1 -30	DELIA	FIBER	
MATERIALS LIST				
ITEM	DESCRI	PTION	QTY.	
1	MINI OTE 2 P	ORT		
2	MINI OTE 4 P			
3	MINI OTE 8 P	ORT		
4	12 CT FOC			
5	12 CT FOC LC			
6	24 CT MICRO			
7	24 CT MICRO			
8	24 CT MICRO			
9	24 CT MICRO			
10	48 CT MICRO			
11	48 CT MICRO	/T		
12	48 CT MICRO	LOOP		
13	48 CT MICRO	/T LOOP		
14	72 CT MICRO			
15	72 CT MICRO	/T		
16	72 CT MICRO	LOOP		
17	72 CT MICRO	/T LOOP		
18	96 CT MICRO			
19	96 CT MICRO	/T		
20	96 CT MICRO	LOOP		
21	96 CT MICRO	/T LOOP		
22	144 CT MICRO)		
23	144 CT MICRO	T/C		
24	144 CT MICRO	O FEEDER		
25	144 CT MICRO	DLOOP		
26	144 CT MICRO	D/T LOOP		
27	144CT M/FEE	DER LOOP		
28	288 CT MICRO	0		
29	288 CT MICRO	D/T		
30	288 CT MICRO	O FEEDER		
31	288 CT MICRO	O LOOP		
32	288CT MICRO)/T LOOP		
33	288 CT M/FEE	DER LOOP	,	
34	BDO144P LCF	0		

34	BDO144P LCP	
35	BDO288P LCP	
36	BDO432P LCP	
37	BDO576P LCP	
38	FLOWER POT	
39	UH2.5	
40	UH3	
41	UH4	
42	UH5	
43	1-1.00" SDR11 HDPE	
44	2-1.00" SDR11 HDPE	
45	3-1.00" SDR11 HDPE	
46	1-18/14-2 WAY	
47	1-18/14-4 WAY	
48	EXISTING PIPE	
49	TYCO "B" SPLICE CASE	
50	TYCO "D" SPLICE CASE	
51	GROUND ROD	
52	SPLICES	
53	BM53FA	
MAP NUMBER		







MADISON COUNTY, MISSISSIPPI

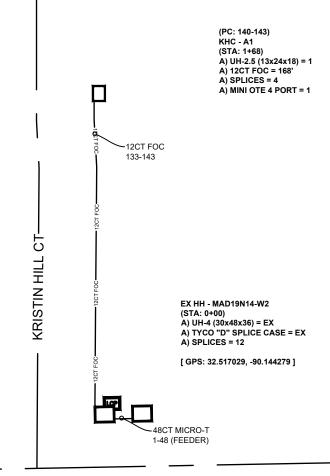
NOTE: FIBERS 140-144 USED TO FEED KRISTIN HILL CT OF MADISON CO PROJECT.

FIBERS <u>133-139</u> LEFT AT HH **KHC - A1** FOR FUTURE USE.

FIBERS <u>1-132</u> LEFT AT THE CABINET FOR FUTURE USE.

(PC: 144)
KHC - LCP
(STA: 0+20 / 0+00)
A) UH-5 (30x60x36) = 1
A) 48CT MICRO/T = 20'(FEEDER)
A) BDO144P LCP = 1
A) TYCO "D" SPLICE CASE = 1
A) SPLICES = 24
A) MINI OTE 2 PORT = 1

[GPS: 32.516964, -90.144342]



JOB DESCRIPTION PROJECT NAME KRISTIN HILL CT PROJECT CITY MADISON DESCRIPTION SCHEMATIC 001 CONSTRUCTION DRAWN BY DELTA FIBER MATERIALS LIST ITEM DESCRIPTION QTY. 1 MINI OTE 2 PORT 2 MINI OTE 4 PORT 3 MINI OTE 8 PORT 4 12 CT FOC 5 12 CT FOC LOOP 6 24 CT MICRO 7 24 CT MICRO/T 8 24 CT MICRO LOOP 9 24 CT MICRO/T LOOP 10 48 CT MICRO 11 48 CT MICRO/T 12 48 CT MICRO LOOP 13 48 CT MICRO/T LOOP 14 72 CT MICRO 15 72 CT MICRO/T 16 72 CT MICRO LOOP 17 72 CT MICRO/T LOOP 18 96 CT MICRO
19 96 CT MICRO/T
20 96 CT MICRO LOOP 21 96 CT MICRO/T LOOP 22 144 CT MICRO 23 144 CT MICRO/T 24 144 CT MICRO FEEDER 25 144 CT MICRO LOOP 26 144 CT MICRO/T LOOP 27 144CT M/FEEDER LOOP 28 288 CT MICRO
29 288 CT MICRO/T 30 288 CT MICRO FEEDER 31 288 CT MICRO LOOP 32 288CT MICRO/T LOOP 33 288 CT M/FEEDER LOO 34 BDO144P LCP 35 BDO288P LCP 36 BDO432P LCP 37 BDO576P LCP 38 FLOWER POT 39 UH2.5 40 UH3 41 UH4 42 UH5 43 1-1.00" SDR11 HDPE 44 2-1.00" SDR11 HDPE 45 3-1.00" SDR11 HDPE 46 1-18/14-2 WAY 47 1-18/14-4 WAY 48 EXISTING PIPE 49 TYCO "B" SPLICE CASE 50 TYCO "D" SPLICE CASE
51 GROUND ROD
52 SPLICES 53 BM53FA

53 BM53FA

MAP NUMBER





DISCLAIMER

EXCEPT AS MAY BE OTHERWISE PROVIDED BE CONTRACT. THESE DRAWNINGS AND SPECIFICATE DAYL, REMAIN THE PROPERTY OF COPIEM PROVIDED BY CONFEDERA ON DAYL AND THE REPRODUCE COPIED, OR URBE O'F ANY PURPOSE WITHOUT SPECIFIC WRITTEN SPERMISSION.

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

—GLUCKSTADT RD