### **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**

August 31, 2021

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. DBA Cspire Utility Permit

County Road Name, Calhoun Station Parkway to Autobahn Loop

The Engineering Department recommends approval of permit application for Cspire proposes a directional bore to install fiber optic cable servicing Comcast Bus Communications, along Autobahn Loop.

Comcast Bus. Commun.

Revised: 2/14/2019



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

Utility Information: Utility Name: Felipak Networks Inc. dba CSpire
Address: 1016 Highland Col. Pkwy City/State/Zip: Ridgeland, MS, 396
Contact Person: Thinkly A. Childs Contact's Phone: U01. 6247639
Project Information: County Road Name:
Beginning Location: Calhoun Plant Ending Location: Autobach Hopping
(2/11/2)
Description of Work: CSpire proposes a directional bone to instale
along Autobahn Loop.
Check Box if Appendix 1 is to be included as a part of this Application
Whereas the above stated Utility makes application to the <b>Madison County Board of Supervisors</b> 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 <i>A Policy for The Accommodation of Utility Facilities within the Right-of-Way of all Public County Roads</i> (hereinafter referred to as the "Policy"), as adopted on November 1, 2005, by the <b>Madison County Board of Supervisors</b> , 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 <i>Manual of Uniform Traffic Control Devices</i> , 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 maintai	ained roads.	
WITNESS the signature of the Applicant this the	8t day of August	_, 20 <u>2(</u> .
	By: Glant Lawon of (Applicant Signature)  Title: USP Permit Solo	rilds
Note: Applicant must be an employee of the Utility named in this a Contractor, Subcontractor, Agent, or Consulting Engineer performed under this application.	is application. The Madison County Board of Supervisors as the Applicant. Utility Company shall be fully respo	s will not recognize onsible for all work
I, or my authorized representative, have reviewed this a plans submitted by the Applicant meet the requirements the Right-of-Way of all Public County Roads.	application and determined that the drawing s of A Policy for The Accommodation of Utility  APPROVED	, sketches, and Facilities within
	By timothy.bryan at 11:28 am	, Sep 01, 2021
AGREED TO AND APPROVED BY:	Tim Bryan, P.E. County Engineer	
Madison County Board President	Date:	<del>-</del>
ENTERED INTO THE MINUTES OF THE BOARD OF SU	UPERVISORS OF MADISON COUNTY, MISSIS	SIPPI ON THIS
DAY OF, 20		

# Appendix 1

Description of Work:			
Length of Project:			
Beginning Location:			
County Road Name:			
Description of Work.			
Length of Project:  Description of Work:	Section:	Township:	капде:
Beginning Location:			
County Road Name:			
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Beginning Location:			
County Road Name:			
Description of Work:			
Length of Project:			
Beginning Location:		Ending Location:	
28 2 2 72		227 228 30	



# ASBUILT INFORMATION

FIELD ENGINEER:

PROJECT MANAGER:

CONSTRUCTION:

SUB CONTRACTOR:

INSPECTOR:

NAME:

NAME:

NAME:

DATE:

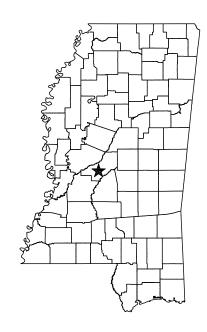
DATE:

PHONE#:

CONSTRUCTION COMMENCED: DATE:

CONSTRUCTION COMPLETED: DATE:

FIBER INSTALLED: FINAL CLEANUP:



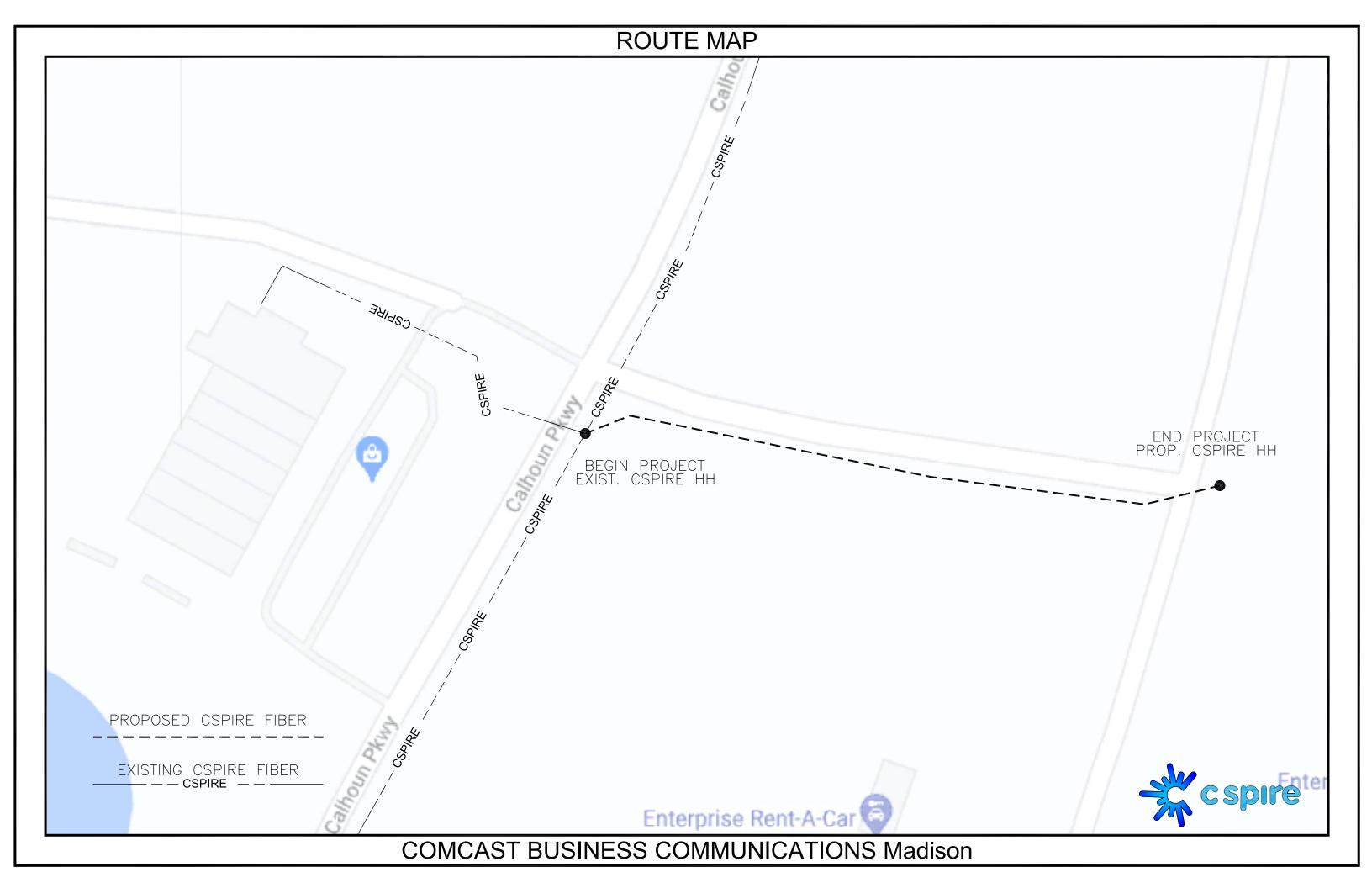
< PERMITS >>
COUNT: MADISON

SWO.OSP.64315 CS.OSFPMS-MADCTY.MS

PROPOSED FIBER BUILD COMCAST BUSINESS COMMUNICATIONS Madison 8-16-21



1018 HIGHLAND COLONY PARKWAY SUITE 340 RIDGELAND, MISSISSIPPI 39157 1-800-342-3716



### **CONSTRUCTION NOTES:**

- 1. ALL CONDUIT WILL BE 4" ID SCHEDULE 40 (ie. PVC OR BSP/GSP, MANUFACTURED SPLIT PVC OR SPLIT BSP/GSP), UNLESS SPECIFIED OTHERWISE.
- 2. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. CALL ONE CALL SYSTEM @ 1-800-227-6477.
- 3. ALL UNDERGROUND OBSTRUCTIONS, WHEN LOCATED, WILL REQUIRE THE PLACEMENT OF A BURIED CABLE MARKER AND THE PLACEMENT OF 4" MANUFACTURED SPLIT PVC, BSP/GSP OVER OR UNDER EACH OBSTRUCTION.
- 4. SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.
- 5. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 60" MINIMUM COVER CROSSING ALL STATE AND OR COUNTY ROADS AND ALL CREEK BEDS UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
- 6. MECHANICAL PROTECTION SHALL BE REQUIRED ANYTIME A 36" MINIMUM COVER IS UNOBTAINABLE UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
- 7. ALL 90 DEGREE BENDS IN CONDUIT CONSTRUCTION WILL BE A MINIMUM 38.2" RADIUS UNLESS SPECIFIED OTHERWISE. ALL SPLIT CONDUIT BENDS AND SOLID PVC BENDS SHALL REQUIRE CONCRETE ENCASEMENT, UNLESS SPECIFIED OTHERWISE.
- 8. OPERATIONS PERSONNEL TO BE CONTACTED BY THE CONTRACTOR 48 HOURS PRIOR TO CONSTRUCTION.
- 9. ALL STATIONING IS BASED ON AS-BUILT INFORMATION. THEREFORE SOME VARIANCE SHOULD BE ANTICIPATED. ADJUST AS NEEDED.
- 10, RAILROAD COMMUNICATION AND SIGNAL CABLES TO BE LOCATED PRIOR TO CONSTRUCTION ACTIVITY. RAILROAD TO BE GIVEN 48 HOURS NOTICE PRIOR TO CONSTRUCTION
- 11. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 24" MINIMUM BELOW THE LOWEST POINT OF EXISTING CITY UTILITY BEING CROSSED.
- 12. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 48" MINIMUM BELOW ALL CITY & OR SURFACE STREET(S) WHERE NO UTILITY IS CROSSED.
- 13. CONSTRUCTION CONTRACTOR SHALL PLACE MARKER POLES AT ALL H.H. LOCATIONS & AT EVERY MAJOR P.I. CONTRACTOR WILL PLACE MARKER POLES DURING THE CONSTRUCTION PHASE.

### **GENERAL NOTES:**

- 1. ALL WORK TO BE DONE WITH EXTREME CAUTION, FIBER OPTIC CABLE CARRYING TRAFFIC AND LOSS OF SERVICE WILL RESULT IN LOSS OF REVENUE.
- 2. ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY, TELEPAK, OR THE RIGHT-OF-WAY GRANTOR.
- 3. LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED RAILROAD EVALUATION MAPS OR OTHER DRAWINGS, AND MAY BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
- 4. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS, BUT ARE NOT NECESSARILY EXACT. THEREFORE, UTILITY LOCATIONS WILL BE VERIFIED AT LEAST 100 FEET IN ADVANCE OF TRENCHING OR PLOWING, SO THAT CHANGES IN CABLE PLACEMENT CAN BE MADE IN EVENT OF CONFLICTS.
- 5. ALL KNOWN BURIED OBSTRUCTIONS ARE SHOWN ON THE CONSTRUCTION DRAWINGS, ANY AND ALL OTHERS ENCOUNTERED ARE ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT, AND REPAIR, IF DAMAGED.
- 6. ANY AND ALL IMPROVEMENTS, SUCH AS, ASPHALT OR CONCRETE PAVEMENT, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- 7. EQUIPMENT TYPES SPECIFIED HEREIN (ie: "BACKHOE. "SWAMP PLOW". ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS. CONTRACTOR WILL BE NOTIFIED AS TO EXCEPTIONS.

### TRAFFIC CONTROL NOTES:

ALL WORK SHALL COMPLY WITH THE UNIFORM TRAFFIC CONTROL MANUAL. (1998 EDITION OF MUTCD, REVISION 3) OR NEWER VERSIONS OF THIS MANUAL.

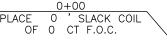
### **CLARIFICATION NOTES:**

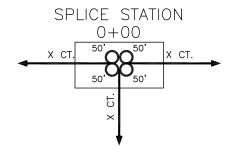
NOTE: CALLOUTS WILL BE PLACED ON EACH DRAWING INDICATING FOLLOWING:

MATERIAL AMOUNT DEPTH IF BURIED SIZE OF FIBER SIZE OF HDPE SIZE OF STRAND CABLE ID

0+00-0+00 DIRECTIONAL BORE 0 MINIMUM DEPTH ( 0 ) 1.25"HDPE PULL CABLE 0 (0) 0 CT. F.O.C.







#### NOMENCLATURE **DEFINITION**

1. BM2-8 :	PLACEMENT OF EIGHT FOOT GROUND ROD OUTSIDE OF HAND HOLE
	SIX INCHES BELOW GROUND LEVEL WITH PLACEMENT OF GROUND
	MUDE WITHE CONNECTOR

WIRE WITHE CONNECTOR

2 BM53F PLACEMENT OF PLASTIC MARKER POLE, MINIMUM OF 30" IN GROUND

AS INDICATED BY DRAWINGS.

3 BM53F(A): PLACEMENT OF LOCATE MARKER POST AND PLACEMENT OF WIRE INSIDE OF POST FROM GROUND ROD AND SPLICE CLOSURE TO BE TERMINATED

IN POST FOR LOCATION OF FACILITIES AS INDICATED ON DRAWINGS.

4. BM72: RESTORATION OF ASPHALT PER SQ. FT. AS REQUIRED BY COMPANY REP.

5 BM73 RESTORATION OF CONCRETE PER SQ. FT. AS REQUIRED BY COMPANY REP.

6. UO-144: PLACEMENT OF 144 COUNT FIBER INTO INNER-DUCT, LEAVING SLACK IN HAND HOLES AS INDICATED ON DRAWINGS. PRICE PER PLACEMENT IS ON

'PER FOOT' BASIS.

7. UO-24: PLACEMENT OF 24 COUNT FIBER INTO INNER-DUCT, LEAVING SLACK IN

HAND HOLES AS INDICATED ON DRAWINGS. PRICE FOR PLACEMENT IS ON

A 'PER FOOT' BASIS.

### SYMBOL



✓ BM53F

✓ BM53F(A)

NONE

NONE

NONE

NONE

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



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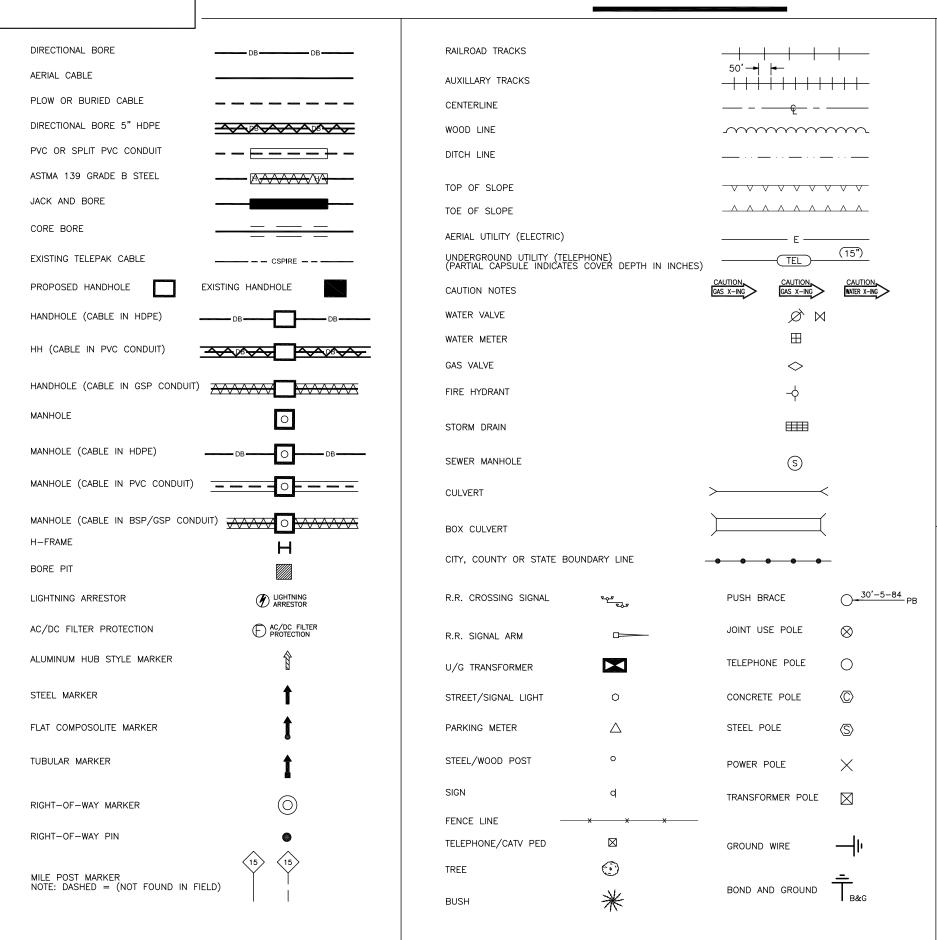
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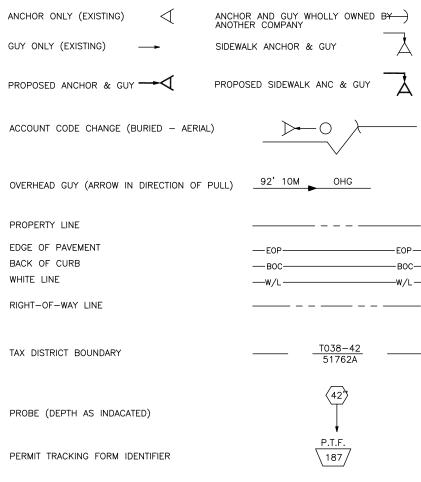


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EXCEPT AS MAY BE OTHERWISE PROVIDED BY EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT: THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF CSPIRE FIBER. BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE

### **SYMBOLS KEY**





### **POLE ATTACHMENT ABBREVIATIONS**

PWR	POWER ATTACHMENT	PWR OHG	POWER OVERHEAD GUY
TRI	TRIPLEX	CATV OHG	CATV OVERHEAD GUY
СОММ	COMMUNICATIONS ATTACHMENT	CAP BANK	CAPACITOR BANK
CATV	CATV ATTACHMENT	CLTCKT	FIRE ALARM CIRCUIT
SL	STREET LIGHT	PWR DIP	POWER DIP
TSIG	TRAFFIC SIGNAL	COMM DIP	COMMUNICATIONS DIP
MDW	MULTI DROP WIRE	CATV DIP	CATV DIP
сомм онс	COMMUNICATIONS OVERHEAD GUY	TEOP	TRAFFIC LIGHT
FL	FLOOD LIGHT	TGUY	TRAFFIC GUY
WH	WEATHER HEAD	MS	MIDSPAN
TRAN	TRANSFORMER	OHG	OVERHEAD GUY
TELEPAK	TELEPAK ATTACHMENT	TOP	TOP OF POLE
SEC	SECONDARY POWER	NEU	NEUTRAL



FILE NAME T-02

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3	PULL CABLE			0'	
4	BURIED SLAG	CK		0'	
5	1.25" HDPE			0'	
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12 AERIAL CABLE

RISERS

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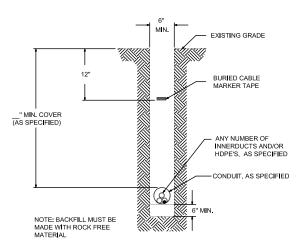


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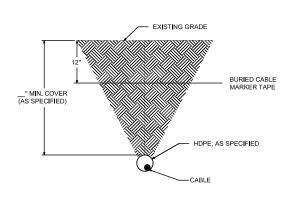
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### **PLACEMENT-TYPICALS**

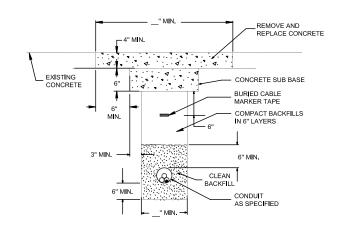
### TYPICAL DETAIL "A" **PLACE CONDUIT CROSS SECTION**



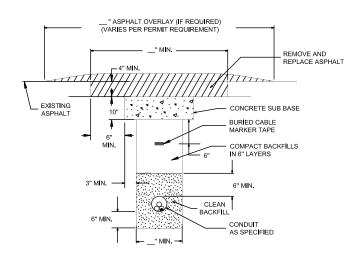
### TYPICAL DETAIL "B" PLACE HDPE CROSS **SECTION**



### **TYPICAL DETAIL "C" CONCRETE / PAVEMENT OPEN CUT CROSS SECTION**

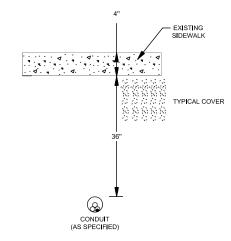


### **TYPICAL DETAIL "D" ASPHALT/PAVEMENT OPEN CUT CROSS SECTION**

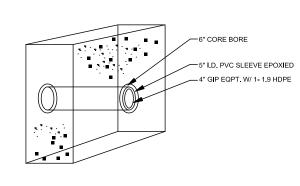


### **OPEN CUT-TYPICALS**

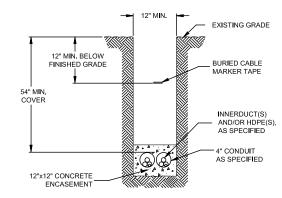
### **TYPICAL DETAIL "E" BORE CONCRETE SIDEWALK**



TYPICAL DETAIL "F" CORE BORE (CONCRETE / BRICK WALL)



### **TYPICAL DETAIL "G"** 12"x12" CONCRETE ENCASEMENT



NOTE: BACKFILL MUST BE MADE WITH ROCK FREE MATERIAL.

### TYPICAL DETAIL "H"

PLACE (2) 1.25" HDPE IN CONDUIT

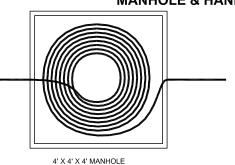


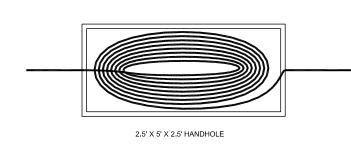
#### TYPICAL DETAIL "I"

PLACE CABLE IN HDPE

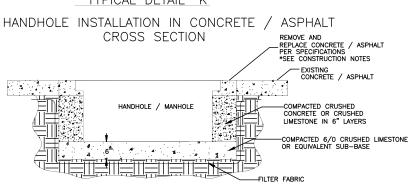


### **TYPICAL DETAIL "J"** MANHOLE & HANDHOLE SLACK COIL DETAIL





### TYPICAL DETAIL "K"



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



FILE NAME	T-03
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PROJECT CITY -

1"=50'

FULL FILENAME T-03.dwq

DESCRIPTION DATE CONSTRUCTION SHEET DRAWN BY PAGE SCALE

### **REVISIONS**

REV.	DESCRIPTION	INITIALS	DATE

### MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DIR-BORE CABLE	0'
3	PULL CABLE	0'
4	BURIED SLACK	0'
5	1.25" HDPE	0'
6	5" HDPE CASING	0'
7	HANDHOLES	0
8	MANHOLES	0
9	SPLICE CLOSURE	0
10	H-POSTS	0
11	GROUND RODS	0
12	AERIAL CABLE	0'
13	RISERS	0

PREPARED BY



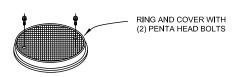
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DISCLAIMER	

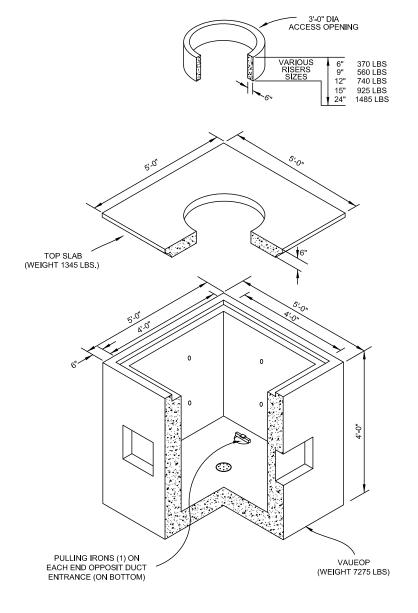
EXCEPT AS MAY BE OTHERWISE PROVIDED BY EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT: THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF CSPIRE FIBER. BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

# **CAPITOL CONCRETE PRODUCTS, INC**



FIBER OPTIC/LIGHTGUIDE SPLICE VAUEOP 4'-0"X4'-0"X4'-0"

GRADE 60 REINFORCEMENT 4500 PSI CONCRETE REINFORCEMENT FOR AASHTO M-20 LOADING





FILE NAME T-04

PROJECT CITY -

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T-04.dwg

DATE DESCRIPTION CONSTRUCTION

SHEET DRAWN BY

SCALE PAGE

1"=50'

REVISIONS

REV. DESCRIPTION INITIALS DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
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2	DIR-BORE CABLE	0'
3	PULL CABLE	0'
4	BURIED SLACK	0'
5	1.25" HDPE	0'
6	5" HDPE CASING	0'
7	HANDHOLES	0
8	MANHOLES	0
9	SPLICE CLOSURE	0
10	H-POSTS	0
11	GROUND RODS	0
12	AERIAL CABLE	0'
13	RISERS	0

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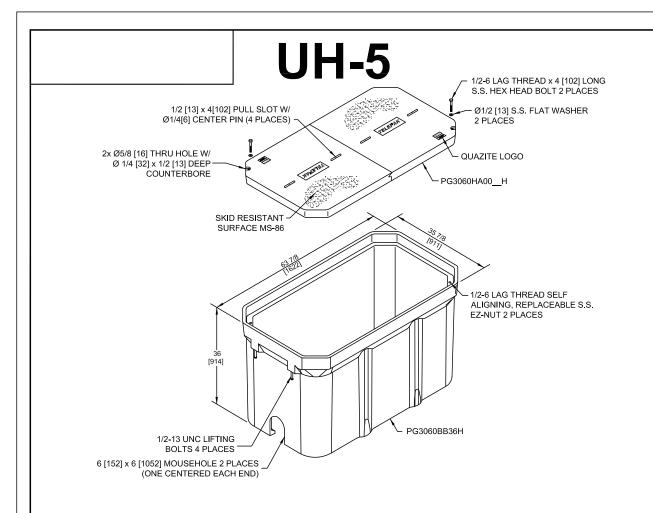


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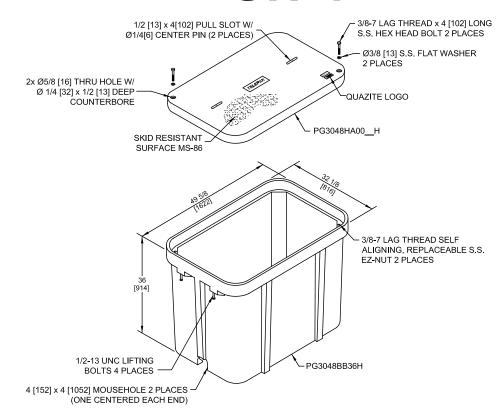


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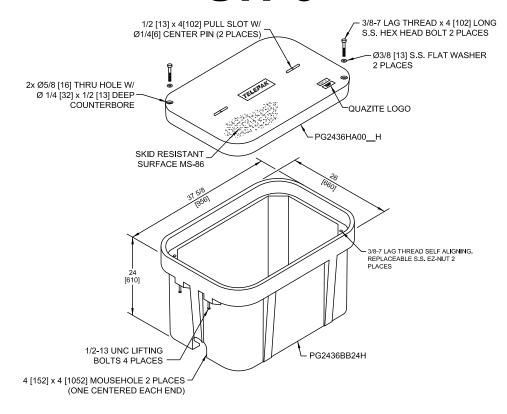
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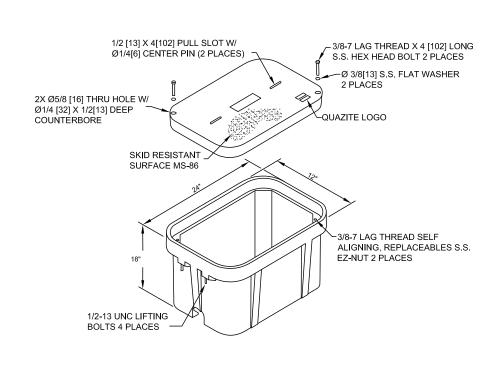
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# **UH-3**



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MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
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10	H-POSTS	0
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12	AERIAL CABLE	0'
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DISCLAIMER	

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#### TYPICAL HAND HOLE INSTALLATION - CRIMPED AND MARKER POLE OR AT EVERY HANDHOLE LOCATION FLUSH MOUNT FINK PLATE IF NEEDED WITH A MARKER POST, TOGETHER MARKER POST WITH -1.25" HDPE SHOULD EXTEND 48" INTO LOCATE PIGTAIL CENTERED SPARE WIRE WILL GO MARKER POST. HDPE SHOULD ALSO BEHIND HANDHOLE UP FIBER TAIL INTO EXTEND 6" ABOVE GRAVEL AT THE THE SPLICE CASE BOTTOM OF THE HANDHOLE. AT EVERY TEST STATION, BURY GROUND ROD 6" BELOW GROUND AND 6" TO THE LEFT OF MARKER BLACK WIRE BONDED TO 8' GROUND ROD AT TEST STATIONS ONLY PLACE BLUE TAPE NEAR THE TOP OF PIGTAIL INSTALLED IN H/H 8' x 5/8" GROUND ROD 6" HDPE TO INDICATE WITH LONG WIRES BELOW GROUND AND 6" TO THE DUCT LEADING (CONNECTORIZED ENDS) THE LEFT OF MARKER POST

TO MARKER POST

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

FED UP INTO MAKER POST

AND SHORT WIRE TO

**GROUND ROD** 

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

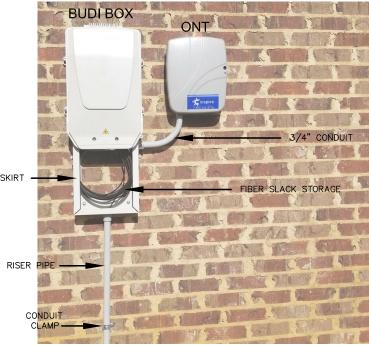
#### **BOXES** (Nestable)

OUTSIDE OF HANDHOLE

DESCRIPTION	PART NO.	WEIGHT	DESIGN/TEST LOAD#
UH-5 30x60x36	PG3060Z501	933# 423KG.	15'000 LBS
UH-4 30x48x36	PG3048Z579	563# 255KG.	15'000 LBS
UH-3 24x36x24	PG2436Z905	284# 129KG.	15'000 LBS

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

### TYPICAL BUDI BOX, SKIRT & ONT COMBO **OUTDOOR INSTALLATION** PROCEDURES AT BUILDING ENTRIES



- PLEASE MOUNT BUDLBOX 36" OFF THE GROUND UNLESS OTHERWISE STATED ON THE DRAWINGS BUDI BOX & ONT INSTALLATION LOCATION WILL BE SHOWN ON THE CONSTRUCTION DRAWINGS.
- PLEASE DO NOT USE PICTURES AS A HEIGHT INDICATOR FOR THE INSTALLATION. 3. MOUNT 3' RISER PIPE TO THE WALL USING SHOWN CONDUIT STRAPS.
- 4. JOIN RISER PIPE TO SKIRT AT SHOWN LOCATION & MOUNT BUDI BOX & SKIRT TO WALL 5. USING A 3/4" SWEEPING 90, CONNECT SKIRT TO ONT AND MOUNT ONT TO WALL.
- PLACE FIBER FROM DUCT INTO RISER PIPE AND INTO SKIRT LEAVING A 5' SLACK LOOP.

### **BUDI BOX, SKIRT & ONT COMBO OUTDOOR INSTALLATION COMPLETED INSTALL**



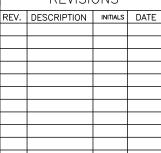
PROJECT CITY -

1"=50'

FULL FILENAME T-06.dwd

DATE DESCRIPTION 03-10-16 CONSTRUCTION SHEET DRAWN BY J.BUSBY PAGE SCALE

**REVISIONS** 



# MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DIR-BORE CABLE	0'
3	PULL CABLE	0'
4	BURIED SLACK	0'
5	1.25" HDPE	0'
6	5" HDPE CASING	0'
7	HANDHOLES	0
8	MANHOLES	0
9	SPLICE CLOSURE	0
10	H-POSTS	0
11	GROUND RODS	0
12	AERIAL CABLE	0'
13	RISERS	0

PRFPARED BY



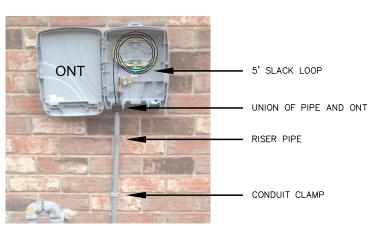
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MAP NUMBER	
6	
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## TYPICAL ONT OUTDOOR INSTALLATION PROCEDURES AT BUILDING ENTRIES

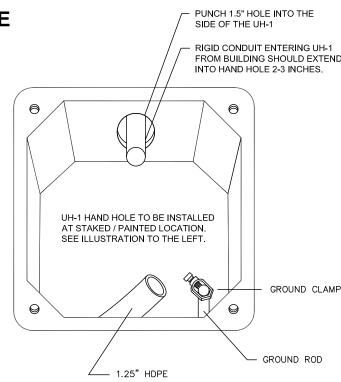


- 1. PLEASE MOUNT ONT 48" OFF THE GROUND UNLESS OTHERWISE STATED ON THE DRAWINGS.
- 2. ONT & FDP INSTALLATION LOCATION WILL BE SHOWN ON THE CONSTRUCTION DRAWINGS. PLEASE DO NOT USE PICTURES AS A HEIGHT INDICATOR FOR THE INSTALLATION. MOUNT ONT AS CLOSE TO THE POWER METER AS POSSIBLE
- 3. DUCT PLACED BY DIRECTIONAL BORING SHOULD MEET THE RISER PIPE UNDERGROUND NEAR THE BASE OF THE WALL. A 4" GAP BETWEEN THE DUCT AND THE RISER PIPE IS ACCEPTABLE.
- 4. MOUNT 4' RISER PIPE TO THE WALL USING SHOWN CONDUIT CLAMPS.
- 5. JOIN RISER PIPE TO ONT AT SHOWN LOCATION & MOUNT ONT TO THE WALL.
- 6. PLACE FIBER FROM DUCT INTO RISER PIPE AND INTO ONT.
- 7. LEAVE 5' OF SLACK INSIDE OF THE ONT. SLACK SHOULD BE LOOSELY STORED AND NOT LOOPED TIGHTLY.

## 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.



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.

"SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY" AS MANUFACTURED BY QUAZITE OR

15 APPLICATIONS AND BOXES RATED FOR TIER 22

FOUIVALENT WITH TELEPAK NETWORK'S ENGINEER'S

APPLICATIONS AND IN NO ASSEMBLY CAN THE COVER

COMPONENTS IN AN ASSEMBLY (BOX & COVER) ARE

BE SELF-CLEANING AUGER BOLT ASSEMBLIES.

2. ALL ENCLOSURES, BOXES AND COVERS, ARE REQUIRED TO

CONFORM TO ALL TEST PROVISIONS OF ANSI/SCTE 77 2007

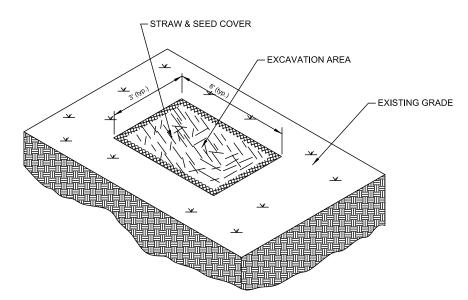
SIGNED APPROVAL. THE COVERS MUST BE RATED FOR TIER

DESIGN LOAD EXCEED THE DESIGN LOAD OF THE BOX. ALL

MANUFACTURED USING MATCHED SURFACE TOOLING, ALL

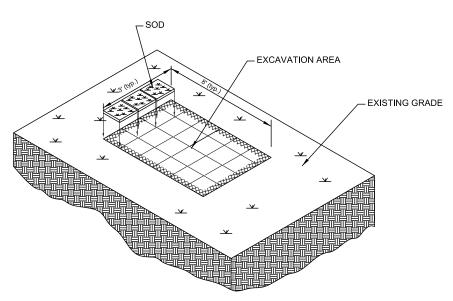
COVERS ARE REQUIRED TO HAVE A MINIMUM COEFFICIENT OF ERICTION OF 0.50 IN ACCORDANCE WITH ASTM C.1028.

AND HAVE TIER 15 AND "TELEPAK NETWORKS 800-342-3716" EMBOSSED ON THE TOP SURFACE, ALL COVER BOLTS TO



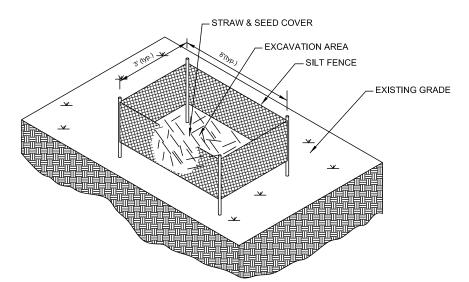
# TYPICAL EROSION DETAIL #1 NOTE TO CONSTRUCTION:

WHERE APPLICABLE RE-COMPACT SOIL AROUND HANDHOLES AND BOREPITS USE HAY AND SEED COVER FOR EROSION CONTROL.



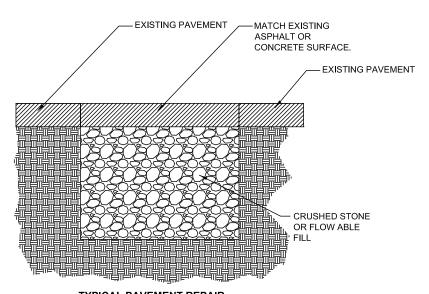
# TYPICAL EROSION DETAIL #3 NOTE TO CONSTRUCTION:

FOR EROSION CONTROL IN WELL MANICURED AREAS RE-COMPACT SOIL AROUND HANDHOLES AND BOREPITS. RE-SOD TO MATCH EXISTING GROUND COVER.



# TYPICAL EROSION DETAIL #2 NOTE TO CONSTRUCTION:

FOR HIGHER DEGREE OF SLOPE RE-COMPACT SOIL AROUND HANDHOLES AND BOREPITS. USE HAY,SEED AND SILT FENCES FOR EROSION CONTROL.



### TYPICAL PAVEMENT REPAIR

## DETAIL #4 NOTE TO CONSTRUCTION:

RE-COMPACT EFFECTED AREAS WITH CRUSHED STONE OR FLOW ABLE FILL. MATCH EXISTING PAVEMENT SURFACE.



FILE	NAME	T-07

PROJECT CITY -

1"=50'

DATE

FULL FILENAME

T-07.dwg

DESCRIPTION

CONSTRUCTION

SHEET DRAWN BY

7

SCALE PAGE

### REVISIONS

REV.	DESCRIPTION	INITIALS	DATE			

### MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DIR-BORE CABLE	0'
3	PULL CABLE	0'
4	BURIED SLACK	0'
5	1.25" HDPE	0'
6	5" HDPE CASING	0'
7	HANDHOLES	0
8	MANHOLES	0
9	SPLICE CLOSURE	0
10	H-POSTS	0
11	GROUND RODS	0
12	AERIAL CABLE	0'
13	RISERS	0
1.4		

PREPARED BY



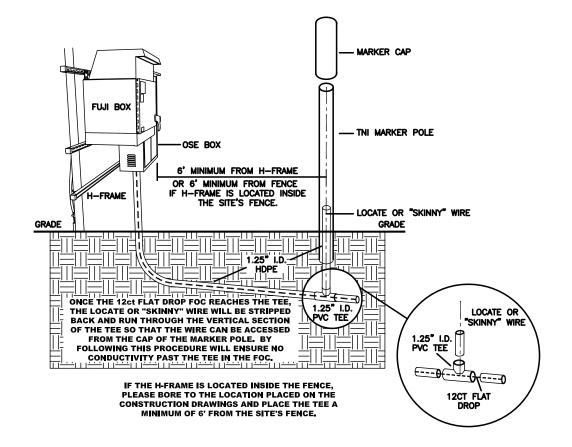
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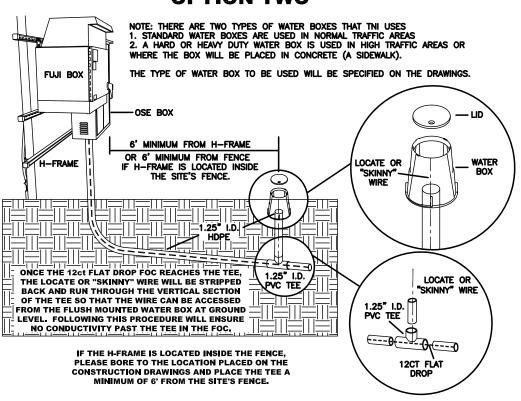
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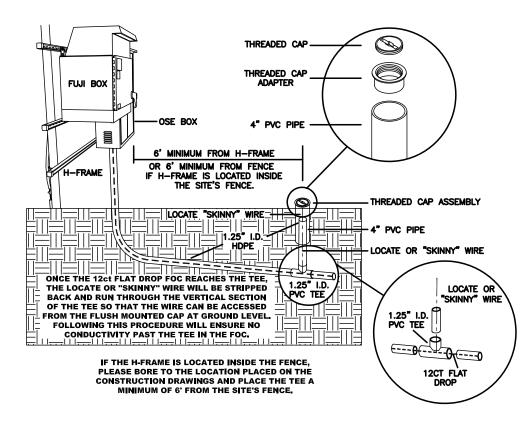
# DIELECTRIC TEST STATION (DTS) TYPICALS



# FLUSH MOUNTED WATER BOX INSTALLATION OPTION TWO



# THREADED PVC FLUSH MOUNTED ACCESS CAP OPTION THREE





FILE NAME T-08

PROJECT CITY 
FULL FILENAME

T-08.dwa

DATE

DESCRIPTION
CONSTRUCTION
SHEET

8

SCALE
1"=50'

PAGE
8

REVISIONS

ILLVISIONS			
REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DIR-BORE CABLE	0'
3	PULL CABLE	0'
4	BURIED SLACK	0'
5	1.25" HDPE	0'
6	5" HDPE CASING	0'
7	HANDHOLES	0
8	MANHOLES	0
9	SPLICE CLOSURE	0
10	H-POSTS	0
11	GROUND RODS	0
12	AERIAL CABLE	0'
13	RISERS	0

PREPARED BY



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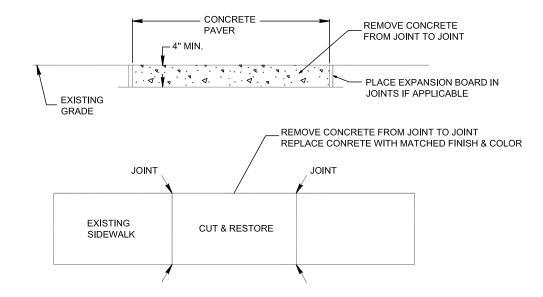
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# SIDEWALK CUT & RESTORE **TYPICAL DETAIL**

SIDEWALK MUST BE ADA COMPLIANT WHERE APPLICABLE

### **TYPICAL DETAIL "A"**

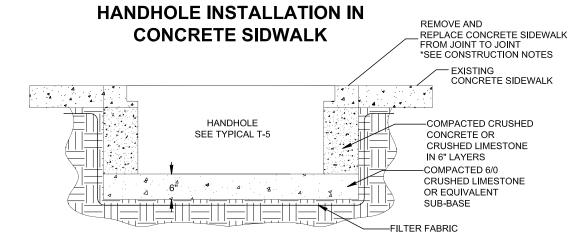
### **CONCRETE CUT & RESTORE** REPLACEMENT

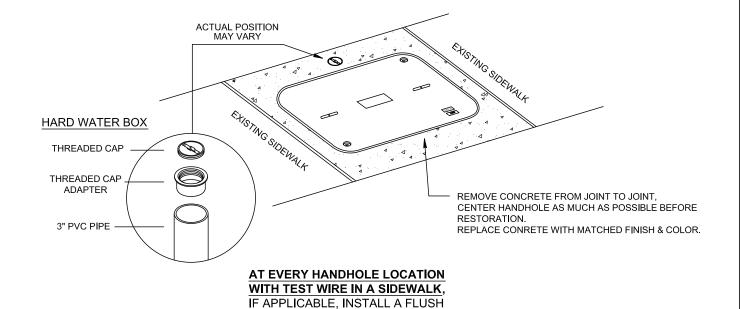


### **CONSTRUCTION NOTES:**

- 1. PROVIDE BARRIERS AND TRAFFIC CONTROL PER MUTCD REV.3 OR NEWER.
- 2. CUT & RESTORE AREAS SHALL BE RETURNED TO ORIGINAL, OR BETTER CONDITION.
- 3. SIDEWALKS THAT HAVE EXPANSION BOARD IN USE IN ADJACENT AREAS SHALL BE RESTORED WITH EXPANSION BOARD.
- 4. EXPOSED AGGREGATE FINISHED SIDEWALKS SHALL BE RESTORED WITH SAME FINISH.
- 5. ENSURE FINISH IS SLIP RESISTANT.
- 6. BRICK SIDEWALKS SHALL BE RESTORED TO THE SAME FINISH.
- 7. ENSURE FLUSH MOUNT TEST STATIONS DO NOT PRESENT A TRIP HAZARD.
- 8. COVER CONCRETE FOR A MINIMUM OF 12 HOURS PRIOR TO REMOVING PEDESTRIAN BARRIERS.
- 9. RESTORATION AREA MUST BE RESTORED TO AN OPERATIONAL SIDEWALK PRIOR TO CLOSING ANY CONSTRUCTION PERMITS.

### **TYPICAL DETAIL "B"**





MOUNT HARD WATER BOX.

RESTORE CONCRETE TO ORIGINAL

FINISH & COLOR



PROJECT CITY -FULL FILENAME T-09.dwc

DATE DESCRIPTION CONSTRUCTION SHEET DRAWN BY PAGE SCALE 1"=50

REVISIONS			
REV.	DESCRIPTION	INITIALS	DATE
AATEDIAL LICT			

MATERIAL LIST ITEM DESCRIPTION QUANTITY

TOTAL CABLE FT. DIR-BORE CABLE PULL CABLE BURIED SLACK 1.25" HDPE 6 5" HDPE CASING HANDHOLES 8 MANHOLES 9 SPLICE CLOSURE 10 H-POSTS 11 GROUND RODS 12 AERIAL CABLE

PRFPARED BY



RISERS

13

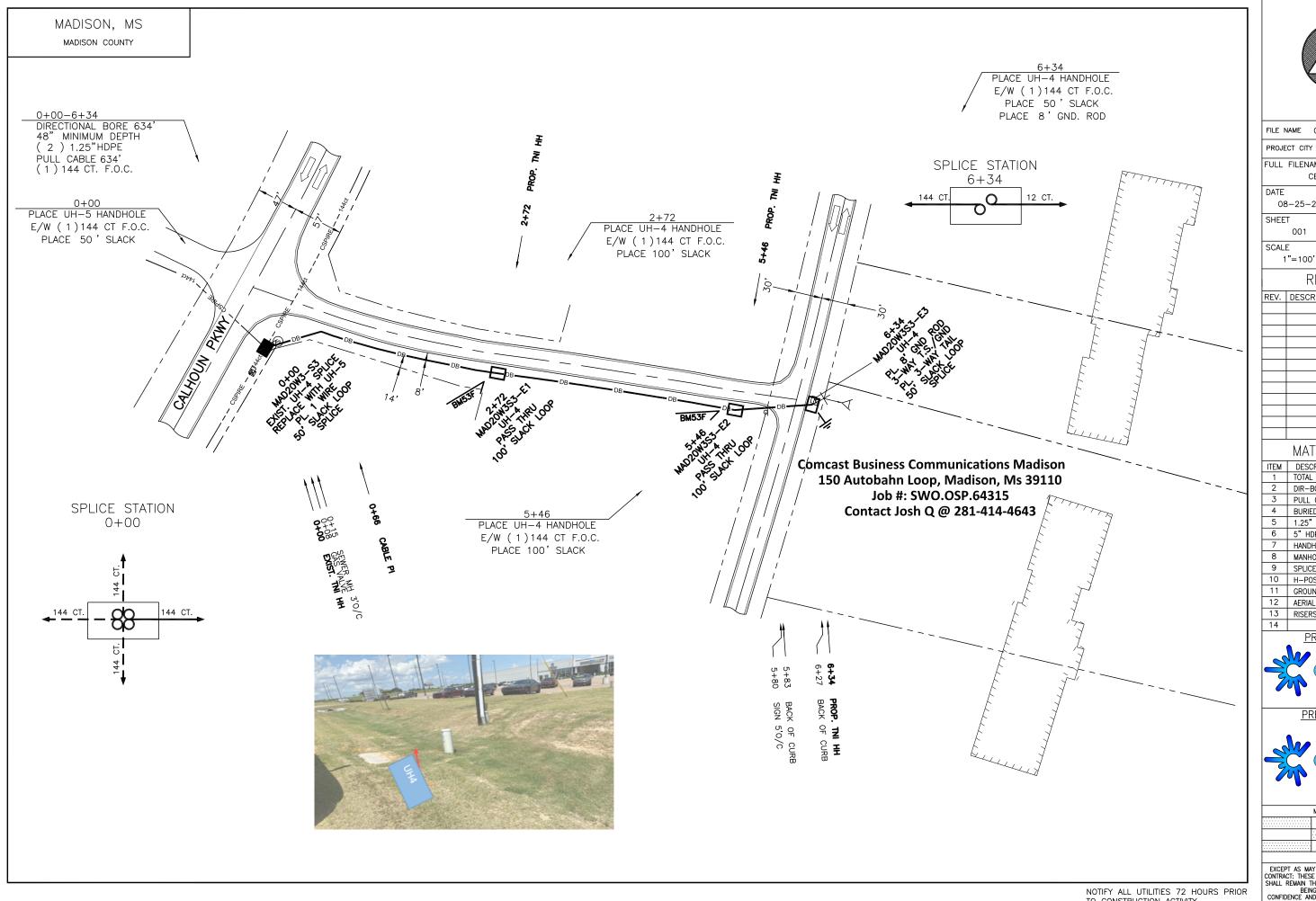
14

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FILE NAME CBC-001

PROJECT CITY - MADISON, MS

FULL FILENAME

CBC-001.dwg

DATE DESCRIPTION CONSTRUCTION 08-25-21 SHEET DRAWN BY D.SANDERS PAGE

**REVISIONS** 

REV.	DESCRIPTION	INITIALS	DATE		

MATERIAL LIST

IIEM	DESCRIPTION	QUANTIT
1	TOTAL CABLE FT.	934'
2	DIR-BORE CABLE	634'
3	PULL CABLE	0'
4	BURIED SLACK	300'
5	1.25" HDPE	1268'
6	5" HDPE CASING	0'
7	HANDHOLES	4
8	MANHOLES	0
9	SPLICE CLOSURE	2
10	H-POSTS	0
11	GROUND RODS	1
12	AERIAL CABLE	0'
13	RISERS	0
1.4		

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