

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

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

MEMORANDUM

May 10, 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./D.B.A. Cspire Utility Permit
Aulenbrock Drive

The Engineering Department recommends approval of permit application for Telepak Networks, Inc./D.B.A. Cspire to install fiber optic cable along Aulenbrock Drive for approximately 184 ft. onto private property to provide service for a new customer.

5 Ton Equip.

Revised: 2/14/2019



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

Utility Information: Utility Name: Telepak Networks, Inc. dba CSpire
Address: 1018 Highland Col. Pkwy. City/State/Zip: Ridgeland, MS 39157
Contact Person: Jennifer Aaron Childs Contact's Phone: 601.624.7639

Project Information: County Road Name: (If located within more than one road right-of-way, use Appendix 1 for additional descriptions)

Beginning Location: Aulenbrock Dr. Ending Location: Aulenbrock Dr.
Length of Project: 282 ft. Section: 27 Township: BN Range: 2E

Description of Work: CSpire proposes a directional bore to install fiber optic cable to service 5 ton equipment, coming along Aulenbrock Dr. for approximately 184 ft. onto private property.

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 11-2-8, 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.

WITNESS the signature of the Applicant this the 10th day of May, 2021.

By: Jennifer Aaron Childs
(Applicant Signature)

Title: OSP Permit Specialist

Note: Applicant must be an employee of the Utility named in this application. The Madison County Board of Supervisors will not recognize a Contractor, Subcontractor, Agent, or Consulting Engineer as the Applicant. Utility Company shall be fully responsible for all work performed under this application.

I, or my authorized representative, have reviewed this application and determined that the drawing, sketches, and plans submitted by the Applicant meet the requirements of A Policy for The Accommodation of Utility Facilities within the Right-of-Way of all Public County Roads.

APPROVED
By timothy.bryan at 11:26 am, May 11, 2021

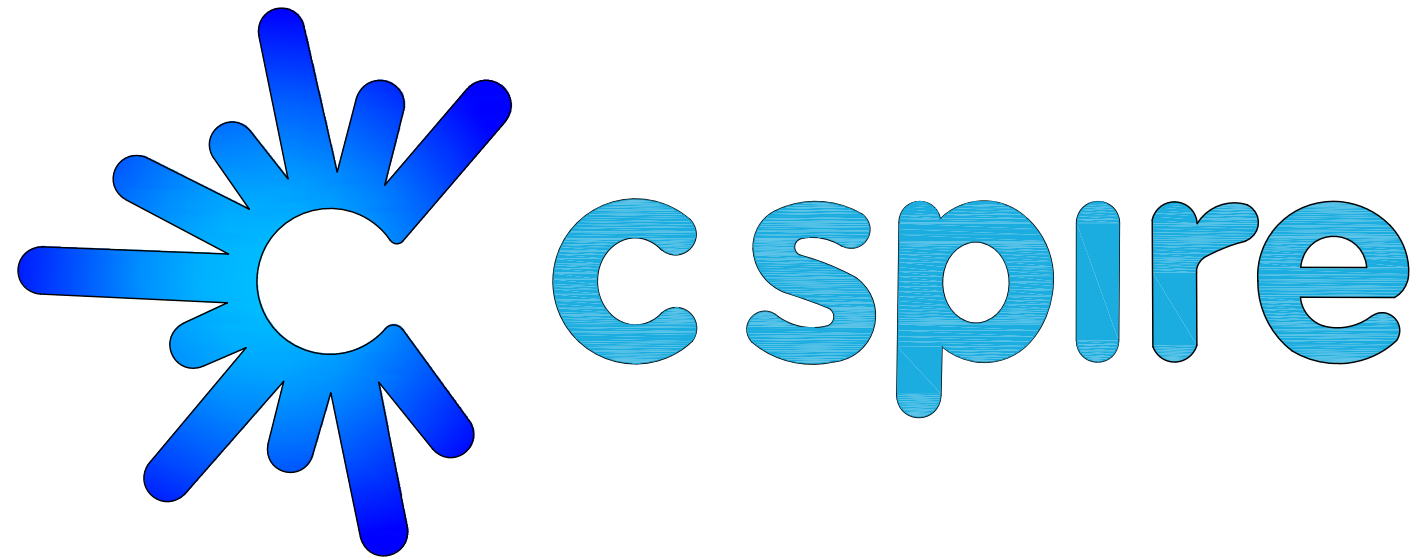
Tim Bryan, P.E.
County Engineer

AGREED TO AND APPROVED BY:

Madison County Board President

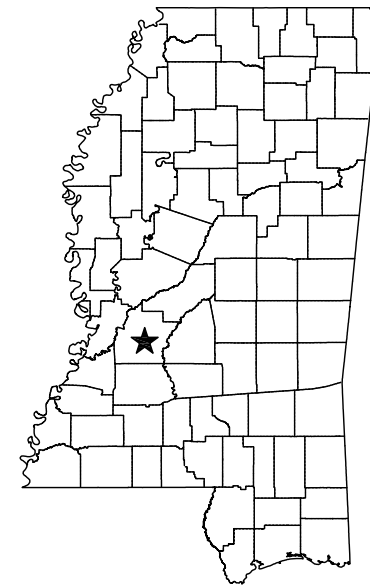
Date: _____

ENTERED INTO THE MINUTES OF THE BOARD OF SUPERVISORS OF MADISON COUNTY, MISSISSIPPI ON THIS _____ DAY OF _____, 20____.



ASBUILT INFORMATION

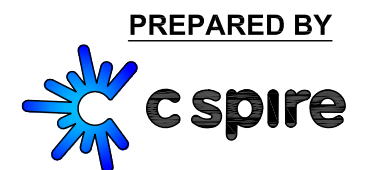
FIELD ENGINEER: NAME: JAY MOORE
PROJECT MANAGER: NAME:
CONSTRUCTION: NAME:
SUB CONTRACTOR: NAME:
INSPECTOR: NAME:
PHONE#:
CONSTRUCTION COMMENCED: DATE:
CONSTRUCTION COMPLETED: DATE:
FIBER INSTALLED: DATE:
FINAL CLEANUP: DATE:



| | | |
|--------|---------|----|
| << | PERMITS | >> |
| CITY : | CANTON | |

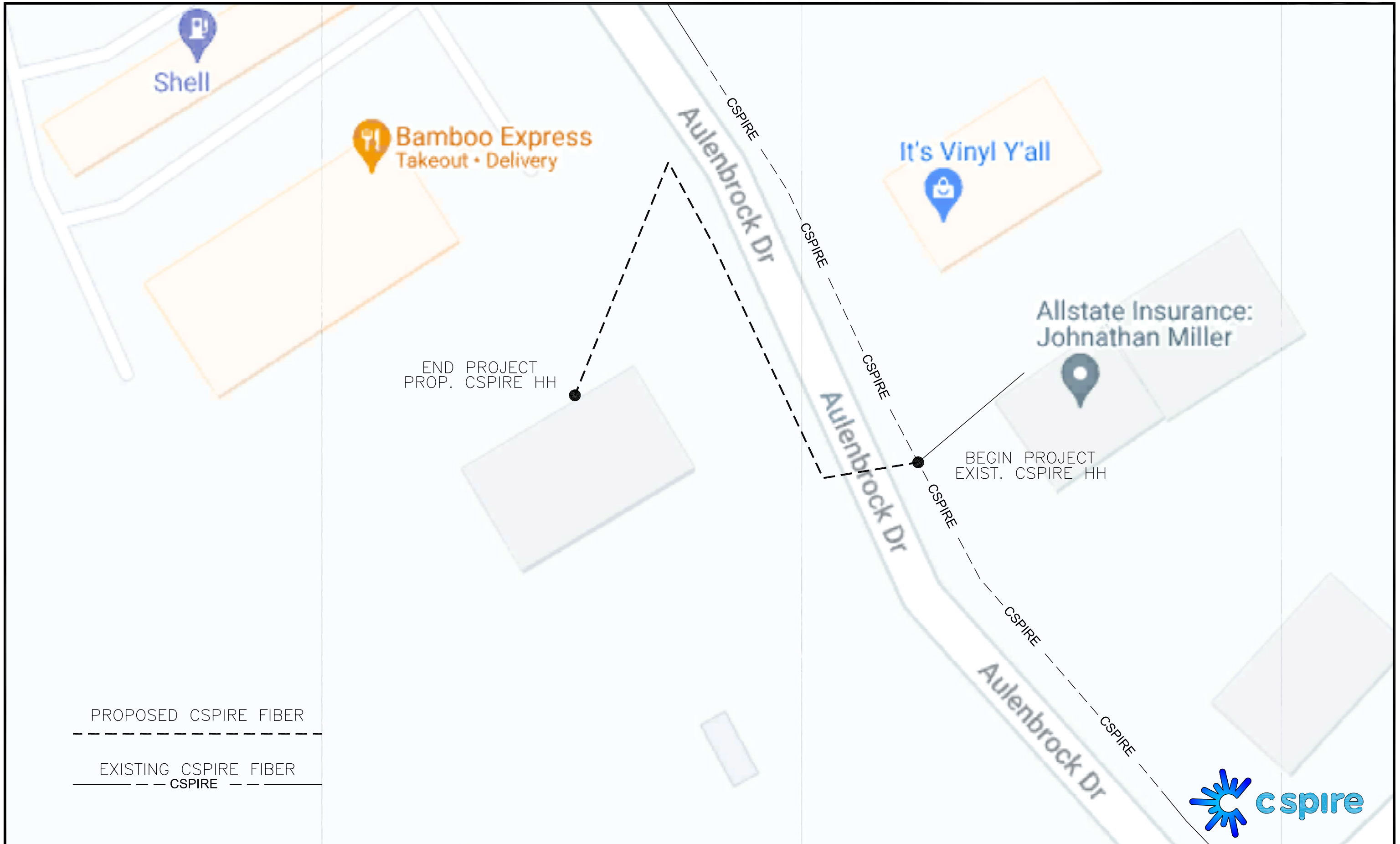
SBI.OSP.63515
CS.OSFPMS-MADCTY.MS

PROPOSED FIBER BUILD
SBI-5 Ton Equipment Canton
4-27-21



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

ROUTE MAP



SBI-5 Ton Equipment Canton



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.

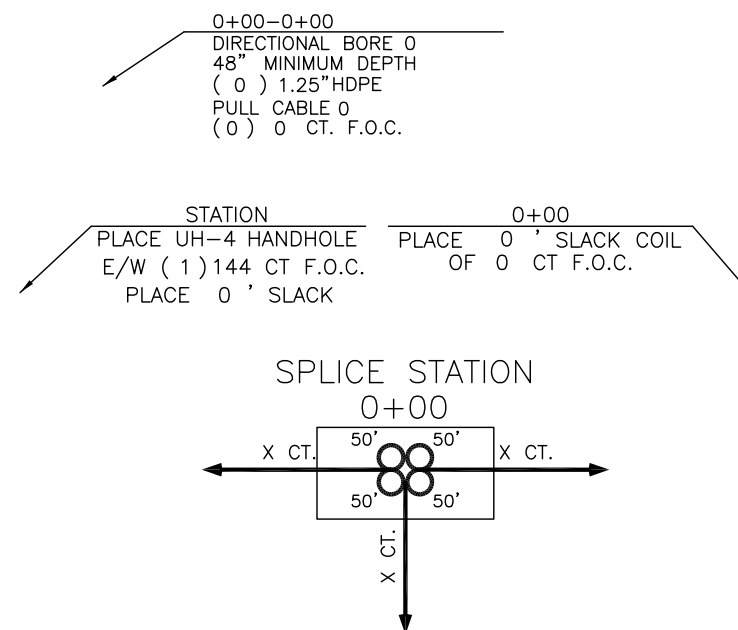
TRAFFIC CONTROL NOTES:

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:

- A. MATERIAL AMOUNT
- B. DEPTH IF BURIED
- C. SIZE OF FIBER
- D. SIZE OF HDPE
- E. SIZE OF STRAND
- F. CABLE ID



NOMENCLATURE

DEFINITION

SYMBOL

- | | | |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1. BM2-8 : | PLACEMENT OF EIGHT FOOT GROUND ROD OUTSIDE OF HAND HOLE SIX INCHES BELOW GROUND LEVEL WITH PLACEMENT OF GROUND WIRE WITH THE 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. | NONE |
| 5. BM73 : | RESTORATION OF CONCRETE PER SQ. FT. AS REQUIRED BY COMPANY REP. | NONE |
| 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. | NONE |
| 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. | NONE |

| | |
|------------------------|--------------------------|
| FILE NAME T-01 | |
| PROJECT CITY - | |
| FULL FILENAME T-01.dwg | |
| DATE | DESCRIPTION CONSTRUCTION |
| SHEET 1 | DRAWN BY |
| SCALE 1"=50' | PAGE 1 |

| 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 |
| 14 | | |

PREPARED BY


PREPARED FOR


| | |
|------------|--|
| MAP NUMBER | |
| | |


DISCLAIMER
 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.


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


SYMBOLS KEY

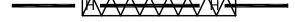
DIRECTIONAL BORE 


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 


EXISTING TELEPAK CABLE 


PROPOSED HANDHOLE  EXISTING HANDHOLE 


HANDHOLE (CABLE IN HDPE) 


HH (CABLE IN PVC CONDUIT) 


HANDHOLE (CABLE IN GSP CONDUIT) 


MANHOLE 


MANHOLE (CABLE IN HDPE) 


MANHOLE (CABLE IN PVC CONDUIT) 


MANHOLE (CABLE IN BSP/GSP CONDUIT) 


H-FRAME 


BORE PIT 


LIGHTNING ARRESTOR 


AC/DC FILTER PROTECTION 


ALUMINUM HUB STYLE MARKER 


STEEL MARKER 

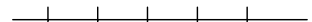
FLAT COMPOSOLITE MARKER 


TUBULAR MARKER 

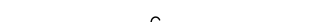
RIGHT-OF-WAY MARKER 


RIGHT-OF-WAY PIN 

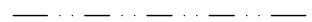
MILE POST MARKER 
NOTE: DASHED = (NOT FOUND IN FIELD)


RAILROAD TRACKS 


AUXILLARY TRACKS 


CENTERLINE 


WOOD LINE 

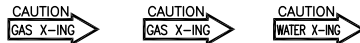
DITCH LINE 


TOP OF SLOPE 


TOE OF SLOPE 


AERIAL UTILITY (ELECTRIC) 


UNDERGROUND UTILITY (TELEPHONE) 


CAUTION NOTES 


WATER VALVE 


WATER METER 


GAS VALVE 


FIRE HYDRANT 


STORM DRAIN 


SEWER MANHOLE 


CULVERT 


BOX CULVERT 


CITY, COUNTY OR STATE BOUNDARY LINE 


R.R. CROSSING SIGNAL 


R.R. SIGNAL ARM 

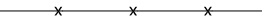
U/G TRANSFORMER 


STREET/SIGNAL LIGHT 


PARKING METER 


STEEL/WOOD POST 

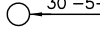
SIGN 


FENCE LINE 


TELEPHONE/CATV PED 


TREE 


BUSH 


PUSH BRACE 


JOINT USE POLE 


TELEPHONE POLE 


CONCRETE POLE 


STEEL POLE 


POWER POLE 


TRANSFORMER POLE 


GROUND WIRE 


BOND AND GROUND 


ANCHOR ONLY (EXISTING) 


GUY ONLY (EXISTING) 


PROPOSED ANCHOR & GUY 

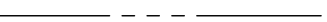
ANCHOR AND GUY WHOLLY OWNED BY ANOTHER COMPANY 


SIDEWALK ANCHOR & GUY 


PROPOSED SIDEWALK ANC & GUY 


ACCOUNT CODE CHANGE (BURIED - AERIAL) 


OVERHEAD GUY (ARROW IN DIRECTION OF PULL) 

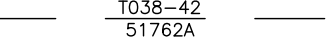
PROPERTY LINE 

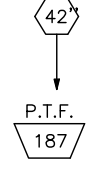
EDGE OF PAVEMENT 

BACK OF CURB 

WHITE LINE 

RIGHT-OF-WAY LINE 

TAX DISTRICT BOUNDARY 

PROBE (DEPTH AS INDACATED) 

POLE ATTACHMENT ABBREVIATIONS

| | | | |
|----------|-----------------------------|----------|--------------------|
| PWR | POWER ATTACHMENT | PWR OHG | POWER OVERHEAD GUY |
| TRI | TRIPLEX | CATV OHG | CATV OVERHEAD GUY |
| COMM | 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 |
| COMM OHG | 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 |
| PROJECT CITY | - |
| FULL FILENAME | T-02.dwg |
| DATE | CONSTRUCTION |
| SHEET | DRAWN BY |
| SCALE | PAGE |
| 1"=50' | 2 |

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 |
| 14 | | |

PREPARED BY



PREPARED FOR



| | |
|------------|---|
| MAP NUMBER | 2 |
|------------|---|

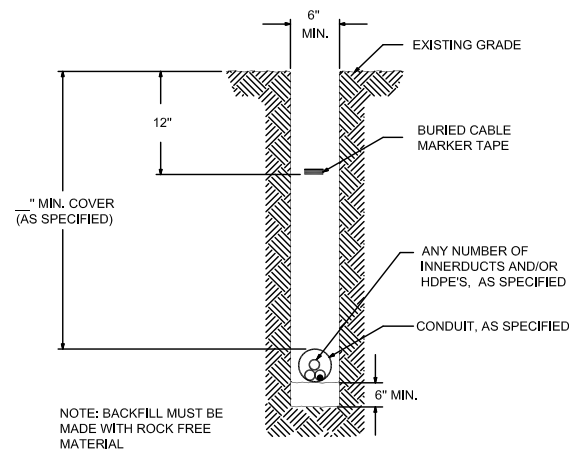
DISCLAIMER
EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF CSPiRE FIBER. BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

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

PLACEMENT-TYPICALS

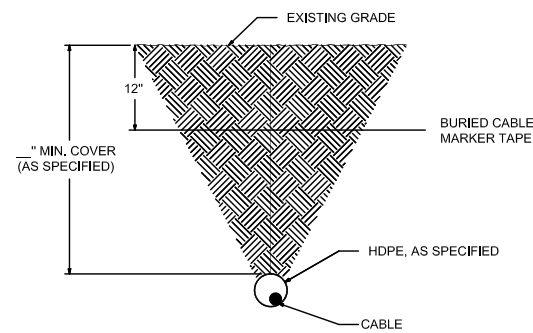
TYPICAL DETAIL "A"

PLACE CONDUIT CROSS SECTION



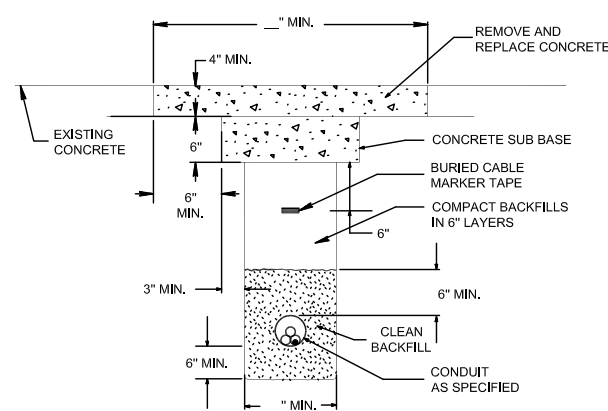
TYPICAL DETAIL "B"

PLACE HDPE CROSS SECTION



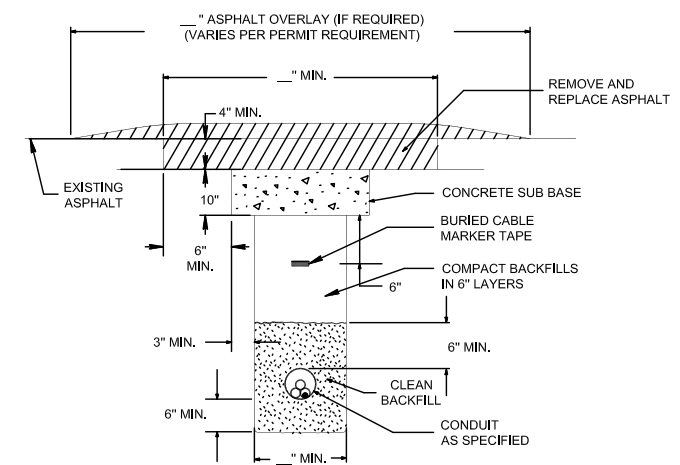
TYPICAL DETAIL "C"

CONCRETE / PAVEMENT OPEN CUT CROSS SECTION



TYPICAL DETAIL "D"

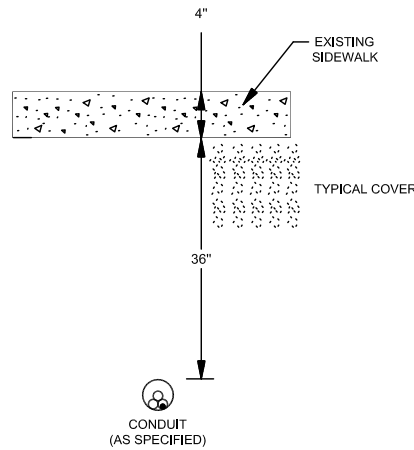
ASPHALT/PAVEMENT OPEN CUT CROSS SECTION



OPEN CUT-TYPICALS

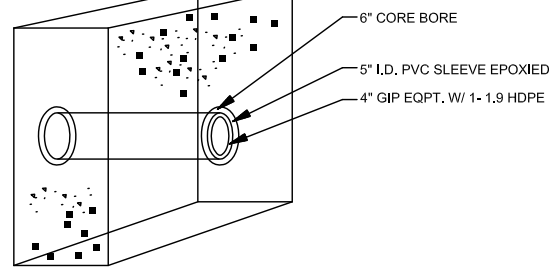
TYPICAL DETAIL "E"

BORE CONCRETE SIDEWALK



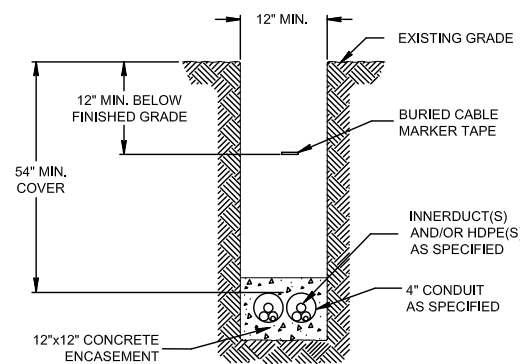
TYPICAL DETAIL "F"

CORE BORE (CONCRETE / BRICK WALL)



TYPICAL DETAIL "G"

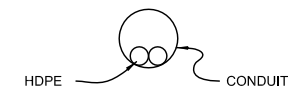
12"x12" CONCRETE ENCASEMENT



NOTE: BACKFILL MUST BE MADE WITH ROCK FREE MATERIAL.

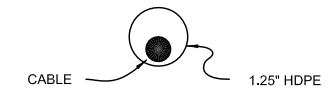
TYPICAL DETAIL "H"

PLACE (2) 1.25" HDPE IN CONDUIT



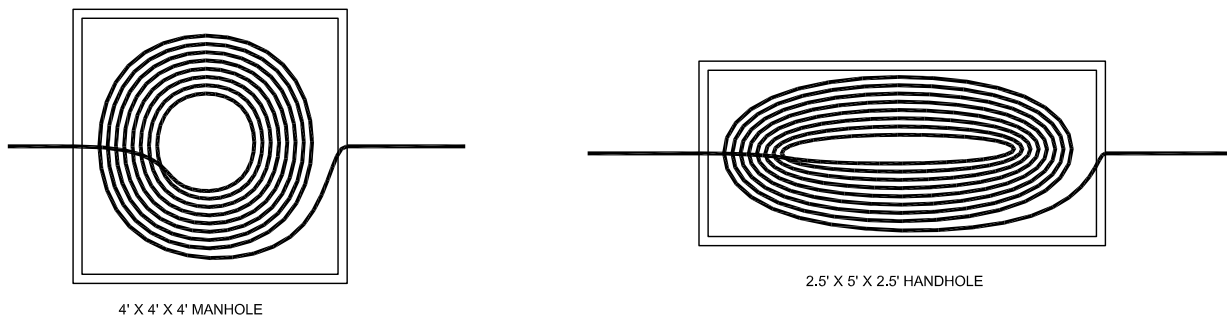
TYPICAL DETAIL "I"

PLACE CABLE IN HDPE



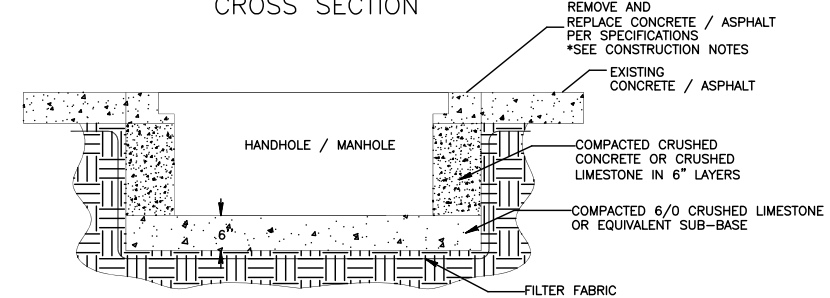
TYPICAL DETAIL "J"

MANHOLE & HANDHOLE SLACK COIL DETAIL



TYPICAL DETAIL "K"

HANDHOLE INSTALLATION IN CONCRETE / ASPHALT CROSS SECTION



FILE NAME T-03

PROJECT CITY -

FULL FILENAME T-03.dwg

DATE DESCRIPTION CONSTRUCTION

SHEET 3 DRAWN BY

SCALE 1"=50' PAGE 3

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 |
| 14 | | |

PREPARED BY



PREPARED FOR



MAP NUMBER

3

DISCLAIMER

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.

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

