

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

April 20, 2020

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: CSpire Utility Permit
Project Information: County Road Name, Industrial Drive and Hazelton Drive

The Engineering Department recommends approval of permit application for CSpire to install a bore fiber in back 5 ft. of the county right-of-way.

SHEILA JONES
District One

TREY BAXTER
District Two

GERALD STEEN
District Three

KARL BANKS
District Four

PAUL GRIFFIN
District Five

Revised: 2/14/2019



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

Utility Information: Utility Name: CSPIRE

Address: 1018 HIGHLAND COLONY PKWY City/State/Zip: RIDGELAND, MS 39157

Contact Person: STEVE CASE SCASE@CSPIRE.COM Contact's Phone: 662-590-3120

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

Beginning Location: Ending Location:

Length of Project: Section: Township: Range:

Description of Work: Bore fiber cable 15 ft. ROW. per Steve Case - w/CSPIRE 01/20/2020 at 12:29pm

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 2ND day of APRIL, 2020.

By: Steve Cox -
(Applicant Signature)

Title: CONTRACTS & PERMITS

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.

By: Tim Bryan
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____.

Appendix 1

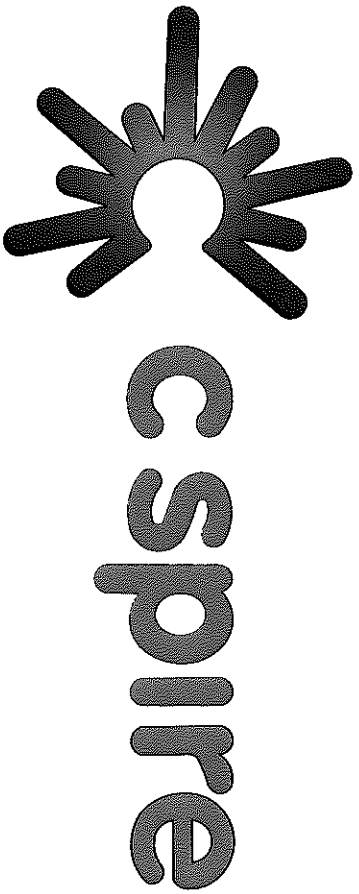
County Road Name: DISTRIBUTION DR.
Beginning Location: _____ Ending Location: _____
Length of Project: _____ Section: _____ Township: _____ Range: _____
Description of Work: _____

County Road Name: HAZELTON COVE
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: _____

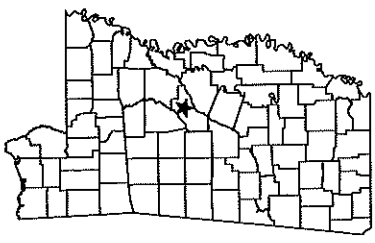
County Road Name: _____
Beginning Location: _____ Ending Location: _____
Length of Project: _____ Section: _____ Township: _____ Range: _____
Description of Work: _____



Bluckstadt

ASBUILT INFORMATION


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



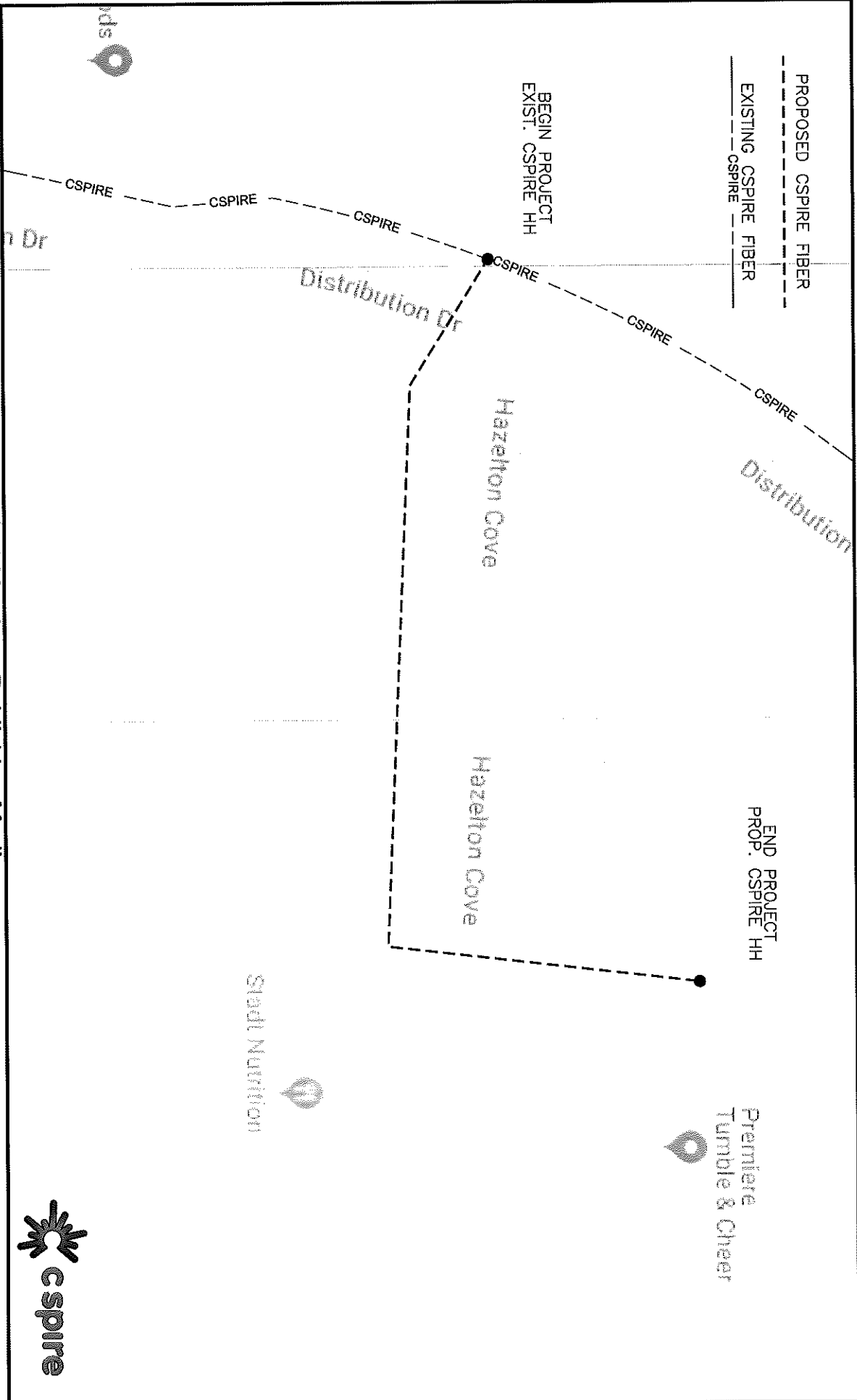
<<	PERMITS	>>
COUNTY :	MADISON	

SBI OSP 60239
CS.OSFPMS-MADCTY.MS

PROPOSED FIBER BUILD
SBI-Morrison Publishing Madison
02-05-20

PREPARED BY

1018 HIGHLAND COLONY PARKWAY
SUITE 200
RIDGELAND, MISSISSIPPI 39157
1-800-242-5716

ROUTE MAP



SBI-Morrison Publishing Madison



CONSTRUCTION NOTES:

1. ALL CONDUIT WILL BE 4" ID SCHEDULE 40 1/2" PVC OR BSR/SP MANUFACTURED SPLIT PVC OR SPLIT BSR/SP, 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, BSR/SP 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 6" MINIMUM COVER CROSSING ALL STATE AND OR COUNTY ROADS AND ALL GREER BEDS UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
6. MECHANICAL PROTECTION SHALL BE REQUIRED ANYTIME A 3/8" MINIMUM COVER IS UNOBTAINABLE UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
7. ALL 90 DEGREE BENDS IN CONDUIT CONSTRUCTION WILL BE A MINIMUM 36.2" 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. STATIONING 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 STREETS(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, THE EPAK, 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 ACCURATE. ANY DISCREPANCIES WILL BE VERIFIED AT LEAST TWO FEET IN ADVANCE OF TRENCHING OR BLOWING, 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.

NOMENCLATURE

1. BM2-8 :
2. BM53F :
3. BM53F(A) :
4. BM72 :
5. BM73 :
6. UC-144 :
7. UC-24 :

DEFINITION

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 FAULTS/IES 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. UC-144 : PLACEMENT OF 1/4" COUNT FIBER INTO INNER-DUCT, LEAVING SLACK IN HAND HOLES AS INDICATED ON DRAWINGS. PRICE PER PLACEMENT IS ON PER FOOT BASIS.

7. UC-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.

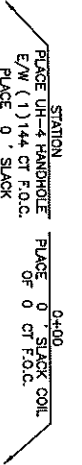
SYMBOL

- BM53F
- BM53F(A)
- NONE
- NONE
- NONE
- NONE
- NONE

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 HOLE
- E. SIZE OF STRAND
- F. CABLE ID



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



REV. NAME: T-01

PROJECT CRT -

FULL FILENAME: T-01.dwg

DATE: DESCRIPTION

SHEET: DRAWN BY

SCALE: 1"=50'

PAGE: 1

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	1" PVC CABLE 50'	0
2	1" PVC CABLE 50'	0
3	1" PVC CABLE 50'	0
4	1" PVC CABLE 50'	0
5	1" PVC CABLE 50'	0
6	1" PVC CABLE 50'	0
7	1" PVC CABLE 50'	0
8	1" PVC CABLE 50'	0
9	1" PVC CABLE 50'	0
10	1" PVC CABLE 50'	0
11	1" PVC CABLE 50'	0
12	1" PVC CABLE 50'	0
13	1" PVC CABLE 50'	0
14	1" PVC CABLE 50'	0

PREPARED FOR

cspre

PREPARED BY

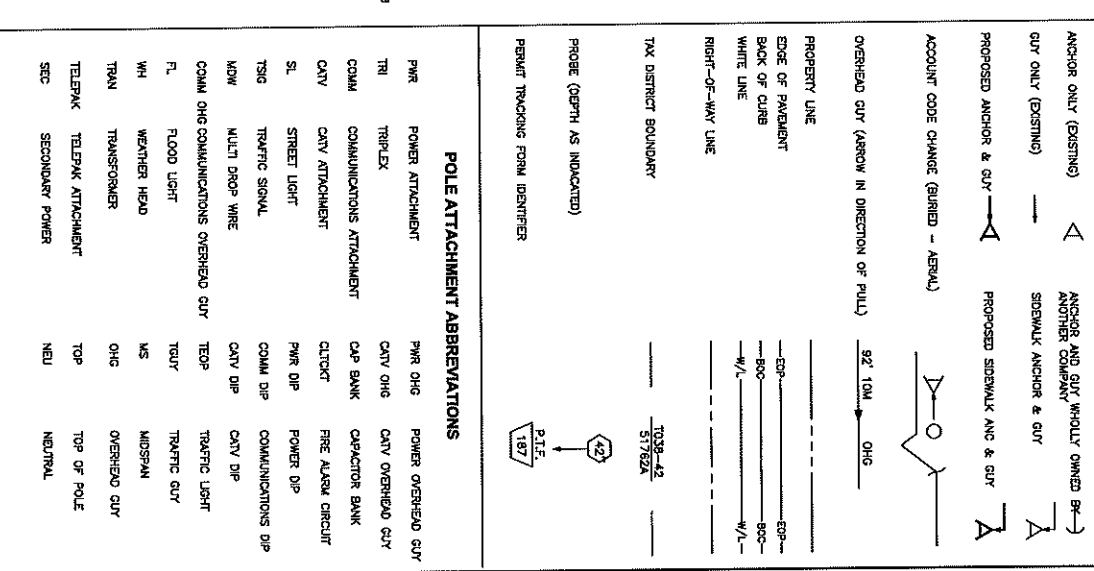
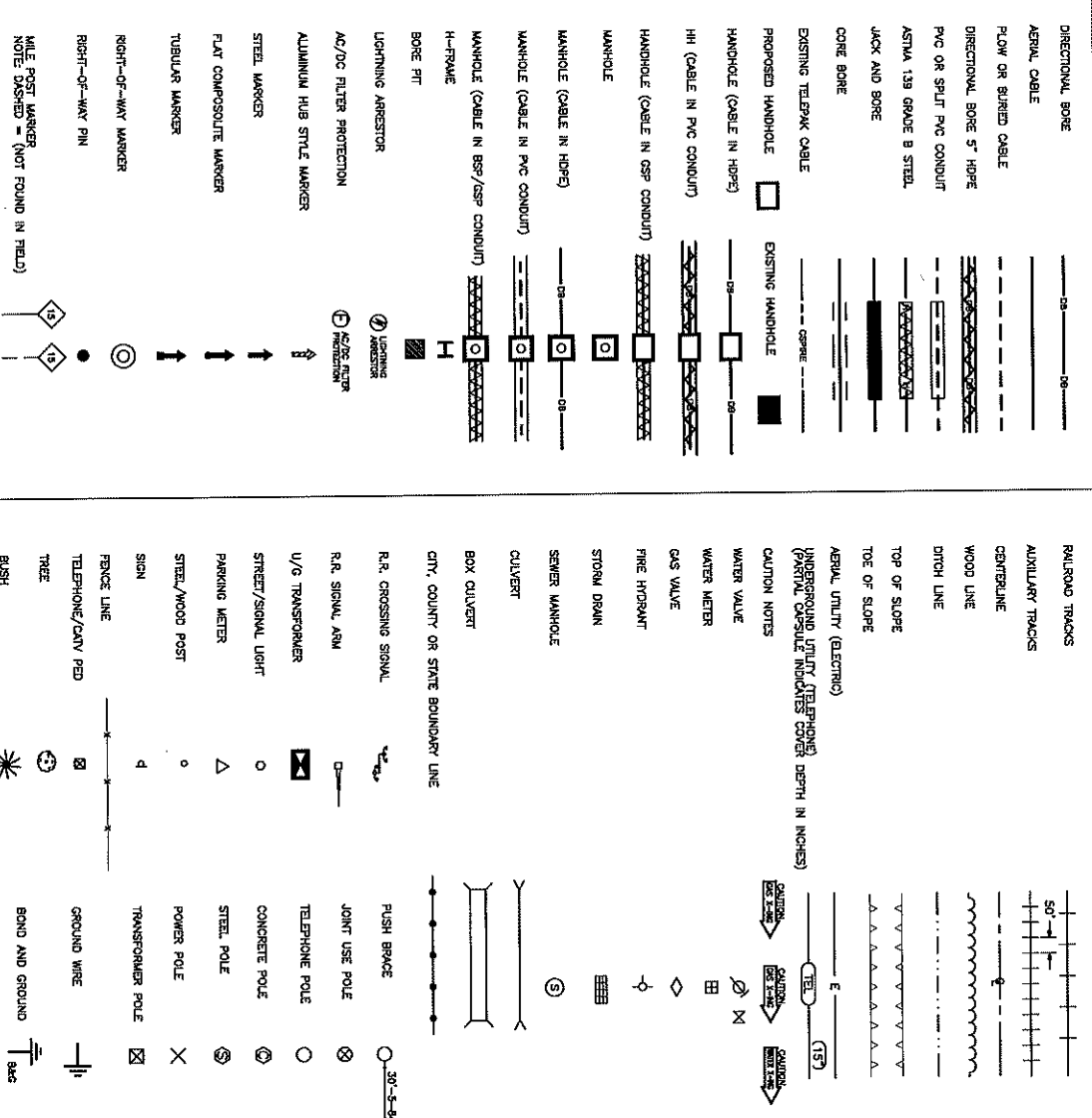
cspre

MAP NUMBER

DISCUSSION

DESIGN IS NOT BE CONSIDERED PROVED BY CONTRACTOR. CONTRACTOR SHALL VERIFY ALL INFORMATION AND SHALL REMAIN THE PROPERTY OF CS PRE. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL AGENCIES.

SYMBOLS KEY



NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITIES. ONE CALL SYSTEM 1-800-277-6477



FILE NAME: T-02

PROJECT GUY -

FULL FILENAME: T-02.dwg

DATE: DESCRIPTION:

SHEET: DRAWN BY:

SCALE: 1"=60'

14 PAGES

REVISIONS

REV. DESCRIPTION INITIALS DATE

TOP	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0
2	DIRECTIONAL BORE	0
3	FULL CABLE	0
4	BORED SACK	0
5	2 1/2" HOLE	0
6	5" HOLE CASING	0
7	MANHOLE	0
8	PLATE CASING	0
9	1" T-CROSS	0
10	1" HOLE CASING	0
11	1" HOLE CASING	0
12	1" HOLE CASING	0
13	1" HOLE CASING	0
14	1" HOLE CASING	0

MATERIAL LIST

TOP	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0
2	DIRECTIONAL BORE	0
3	FULL CABLE	0
4	BORED SACK	0
5	2 1/2" HOLE	0
6	5" HOLE CASING	0
7	MANHOLE	0
8	PLATE CASING	0
9	1" T-CROSS	0
10	1" HOLE CASING	0
11	1" HOLE CASING	0
12	1" HOLE CASING	0
13	1" HOLE CASING	0
14	1" HOLE CASING	0

PREPARED BY



PREPARED FOR



MAP NUMBER	DISCLAIMER

DESIGNED BY: DATE: DRAWN BY: DATE: CHECKED BY: DATE: APPROVED BY: DATE: ALL UTILITIES SHALL BE LOCATED BY FIELD SURVEY. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.



RIT: H&E 1-03

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	1/2" DIA. CORE	0
3	1/2" DIA. CORE	0
4	1/2" DIA. CORE	0
5	1/2" DIA. CORE	0
6	1/2" DIA. CORE	0
7	1/2" DIA. CORE	0
8	1/2" DIA. CORE	0
9	1/2" DIA. CORE	0
10	1/2" DIA. CORE	0
11	1/2" DIA. CORE	0
12	1/2" DIA. CORE	0
13	1/2" DIA. CORE	0
14	1/2" DIA. CORE	0

PREPARED BY



PREPARED FOR



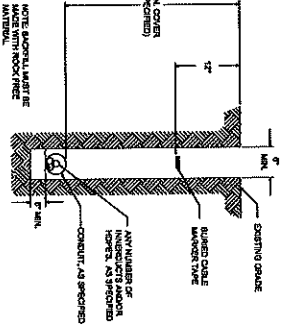
WSP NUMBERS

DISCLAIMER

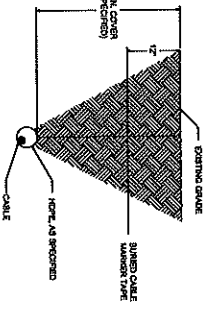
EXCEPT AS NOTED, THE INFORMATION CONTAINED HEREIN IS FOR GENERAL INFORMATION ONLY AND IS NOT TO BE USED FOR CONSTRUCTION. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF ALL INFORMATION. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF ALL INFORMATION.

PLACEMENT-TYPICALS

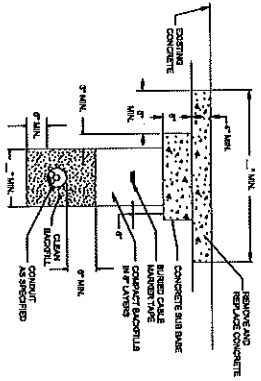
TYPICAL DETAIL "A"
PLACE CONDUIT
CROSS SECTION



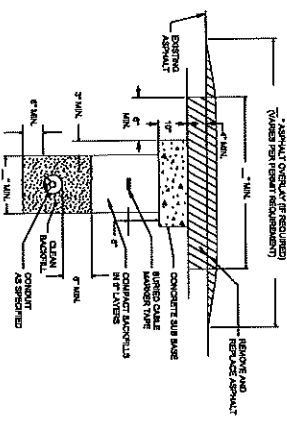
TYPICAL DETAIL "B"
PLACE HOPE CROSS
SECTION



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

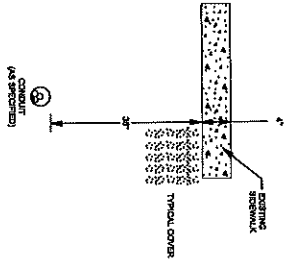


TYPICAL DETAIL "D"
ASPHALT/PAVEMENT OPEN CUT
CROSS SECTION

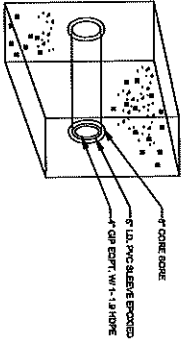


OPEN CUT-TYPICALS

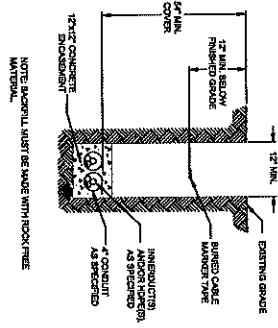
TYPICAL DETAIL "E"
BORE CONCRETE SIDEWALK



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



TYPICAL DETAIL "G"
12"X12" CONCRETE ENCASMENT



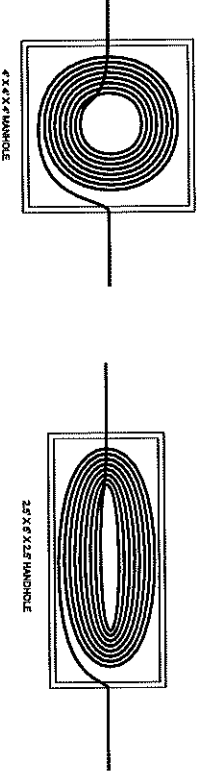
TYPICAL DETAIL "H"
1/2\"/>



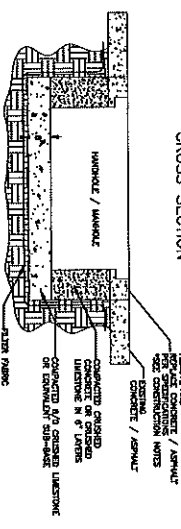
TYPICAL DETAIL "I"
PLACE CABLE IN HOPE



TYPICAL DETAIL "J"
MANHOLE & HANDHOLE SLACK COIL DETAIL



TYPICAL DETAIL "K"
HANDHOLE INSTALLATION IN CONCRETE / ASPHALT
CROSS SECTION

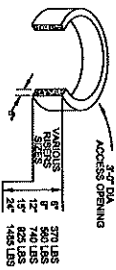


NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION. CALL 811 OR 1-800-227-6477 FOR A FREE SERVICE CONNECTION.

CAPITOL CONCRETE PRODUCTS, INC

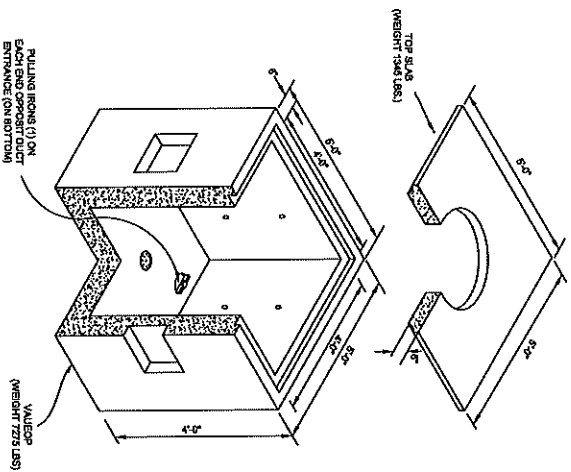


RING AND COVER WITH
(2) PENTAX HEAD BOLTS



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

GRADE 80 REINFORCEMENT
4500 PSI CONCRETE
REINFORCEMENT FOR
AASHTO M-20 LOADING



FILE NAME: T-04

PROJECT CITY: -

FULL FILENAME: T-04.dwg

DATE: DESCRIPTION: CONSTRUCTION

SHEET: 4 DRAWN BY:

SCALE: 1"=50' PAGE: 4

REVISIONS

REV#	DESCRIPTION	INITIAL	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DIR-BORER CABLE	0'
3	PULL CABLE	0'
4	RIBBED SLACK	0'
5	1.25" HOPE	0'
6	5" HOPE CHAINS	0'
7	HANDHOLES	0
8	MARKERS	0
9	SPLICE CLOSURE	0
10	H-POSTS	0
11	GROUND RODS	0
12	RESOL CABLE	0
13	RESSES	0
14		

PREPARED BY:



PREPARED FOR:



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

DESIGN AS SHOWN IS AN APPROXIMATE INDICATION OF THE LOCATION OF THE UTILITIES. THE USER SHALL VERIFY THE LOCATION OF UTILITIES PRIOR TO CONSTRUCTION. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES.



FILE NAME: T-08

PROJECT CITY: -

FULL FILENAME: T-08.dwg

DATE: 03-10-16

SHEET: 6

SCALE: 1"=50'

REVISIONS

REV. DESCRIPTION

INITIALS DATE

1-

MATERIAL LIST

REV. DESCRIPTION QUANTITY

1-10# GALV. STEEL

2-1/2" DIA. GALV. STEEL

3-1/2" DIA. GALV. STEEL

4-1/2" DIA. GALV. STEEL

5-1/2" DIA. GALV. STEEL

6-1/2" DIA. GALV. STEEL

7-1/2" DIA. GALV. STEEL

8-1/2" DIA. GALV. STEEL

9-1/2" DIA. GALV. STEEL

10-1/2" DIA. GALV. STEEL

11-1/2" DIA. GALV. STEEL

12-1/2" DIA. GALV. STEEL

13-1/2" DIA. GALV. STEEL

14-1/2" DIA. GALV. STEEL

PREPARED BY

PREPARED FOR

CSpire

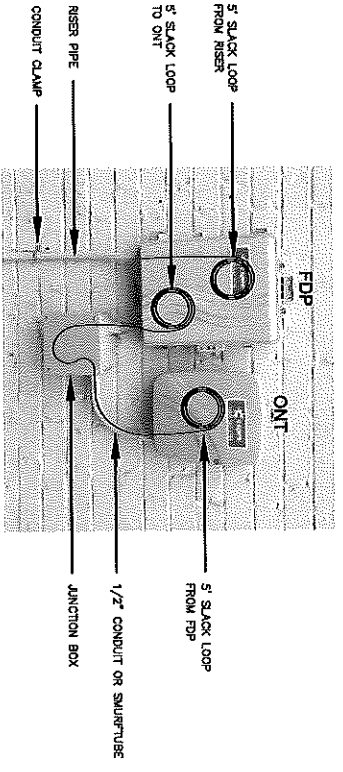
CSpire

MAP NUMBER

DISCLAIMER

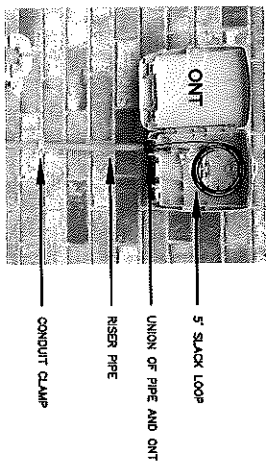
DESIGN & CONSTRUCTION SHALL BE THE RESPONSIBILITY OF CSPIRE. CSPIRE SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONSTRUCTION. CSPIRE SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONSTRUCTION. CSPIRE SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CONSTRUCTION.

TYPICAL FDP & ONT OUTDOOR INSTALLATION PROCEDURES AT BUILDING ENTRIES



- PLEASE MOUNT ONT 48" OFF THE GROUND UNLESS OTHERWISE STATED ON THE DRAWINGS.
- ONT & FDP INSTALLATION LOCATION WILL BE SHOWN ON THE CONSTRUCTION DRAWINGS. PLEASE DO NOT USE PICTURES AS A HEIGHT INDICATOR FOR THE INSTALLATION.
- DUCT PLACED BY DIRECTIONAL BORING SHOULD MEET RISER PIPE UNDERGROUND NEAR THE BASE OF THE WALL. A 4" GAP BETWEEN THE DUCT AND THE RISER PIPE IS ACCEPTABLE.
- MOUNT & RISER PIPE TO THE WALL USING SHOWN CONDUIT CLAMPS.
- JOIN RISER PIPE TO FDP AT SHOWN LOCATION & MOUNT FDP TO THE WALL.
- USING 1/2" CONDUIT, CONNECT J-BOX TO FDP AND MOUNT J-BOX TO WALL.
- USING 1/2" SWEEPING SO, CONNECT J-BOX TO ONT AND MOUNT ONT TO WALL.
- PLACE FIBER FROM DUCT INTO RISER PIPE AND INTO FDP, LEAVING A 5' SLACK LOOP.
- WITH A SEPARATE 120T FIBER, LEAVE A 5' SLACK LOOP IN THE FDP. PASS THRU THE J-BOX AND INTO THE ONT.
- LEAVE 5' OF SLACK INSIDE OF THE ONT. ALL SLACK SHOULD BE LOOSELY STORED AND NOT LOOPED TIGHTLY.

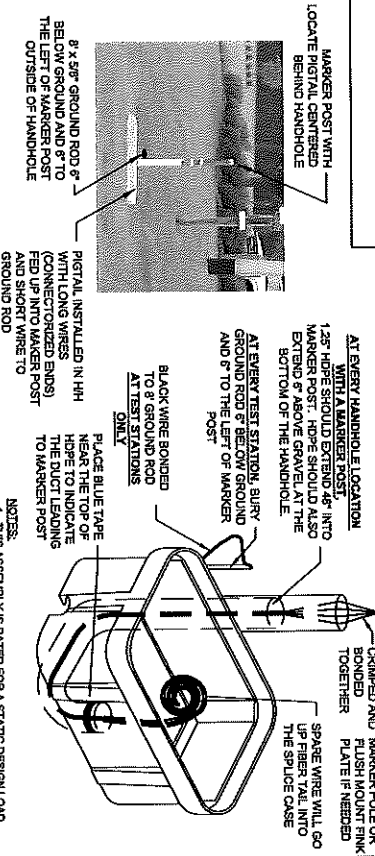
TYPICAL ONT OUTDOOR INSTALLATION PROCEDURES AT BUILDING ENTRIES



- PLEASE MOUNT ONT 48" OFF THE GROUND UNLESS OTHERWISE STATED ON THE DRAWINGS.
- ONT & FDP INSTALLATION LOCATION WILL BE SHOWN ON THE CONSTRUCTION DRAWINGS. PLEASE DO NOT USE PICTURES AS A HEIGHT INDICATOR FOR THE INSTALLATION.
- 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.
- MOUNT & RISER PIPE TO THE WALL USING SHOWN CONDUIT CLAMPS.
- JOIN RISER PIPE TO ONT AT SHOWN LOCATION & MOUNT ONT TO THE WALL.
- PLACE FIBER FROM DUCT INTO RISER PIPE AND INTO ONT.
- LEAVE 5' OF SLACK INSIDE OF THE ONT. SLACK SHOULD BE LOOSELY STORED AND NOT LOOPED TIGHTLY.

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

TYPICAL HAND HOLE INSTALLATION



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

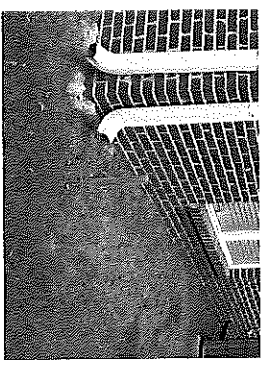
HANDHOLES ARE TO BE INSTALLED A MINIMUM OF THREE FEET FROM ANY UTILITY OR POWER POLE.

BOXES (Needle)

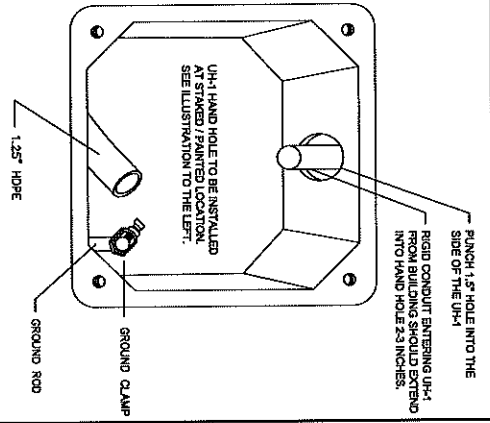
DESCRIPTION	PART NO.	WEIGHT	DESIGN/TEST LOAD#
UH-3 306#0206	PG30602501	833# 423KG.	15000 LBS
UH-4 306#0206	PG30602579	953# 435KG.	15000 LBS
UH-3 242#0204	PG24202505	288# 129KG.	15000 LBS

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

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 & UNDERGROUND TO DESIRABLE UH-1 LOCATION.





FILE NAME: T-07

PROJECT CITY -

FILE FILENAME: T-07.dwg

DATE: DESCRIPTION

SHEET: DRAWN BY

SCALE: 1"=50'

REVISIONS

REV. DESCRIPTION

DATE

DATE

DATE

DATE

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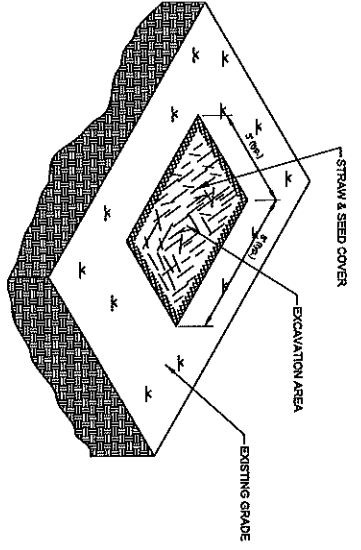
DATE

DATE

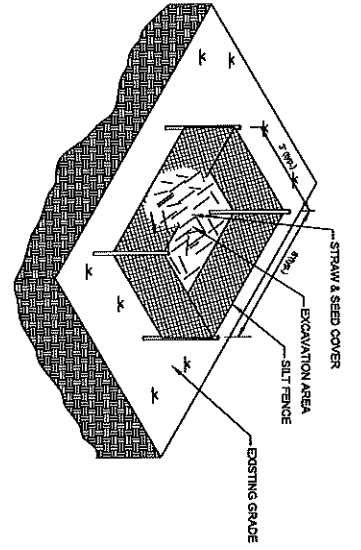
DATE

DATE

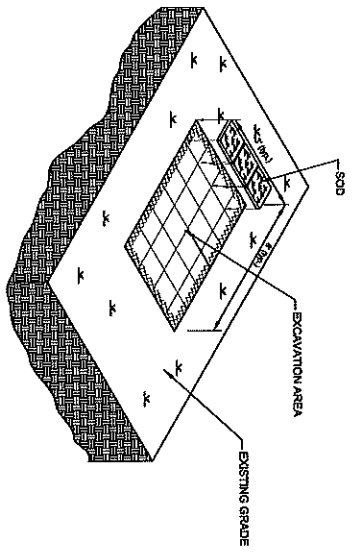
NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY. ONE CALL SYSTEM ☎ 1-800-227-5477



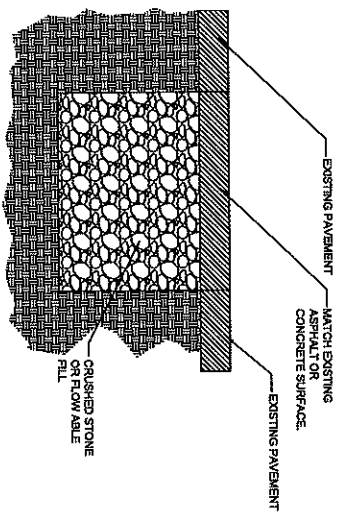
TYPICAL EROSION DETAIL #1
 NOTE TO CONSTRUCTION:
 WHERE APPLICABLE RE-COMPACT SOIL AROUND HANDHOLES AND BOREHITS USE HAY AND SEED COVER FOR EROSION CONTROL.



TYPICAL EROSION DETAIL #2
 NOTE TO CONSTRUCTION:
 FOR HIGHER DEGREE OF SLOPE RE-COMPACT SOIL AROUND HANDHOLES AND BOREHITS USE HAY AND SEED COVER FOR EROSION CONTROL.



TYPICAL EROSION DETAIL #3
 NOTE TO CONSTRUCTION:
 FOR EROSION CONTROL IN UNDEVELOPED AREAS RE-COMPACT SOIL AROUND HANDHOLES AND BOREHITS. RE-SOD TO MATCH EXISTING GROUND COVER.



TYPICAL PAVEMENT REPAIR
 DETAIL #4
 NOTE TO CONSTRUCTION:
 RE-COMPACT EXISTING ROAD SURFACE WITH CRUSHED FILL. MATCH EXISTING PAVEMENT SURFACE.

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FILL	0
2	ONE-SIDE CABLE	0
3	FILL CABLE	0
4	EDGE DUCK	0
5	1.25\"/>	

PREPARED BY: **Cspire**

PREPARED FOR: **Cspire**

MAP NUMBER: _____

DISCLAIMER: _____

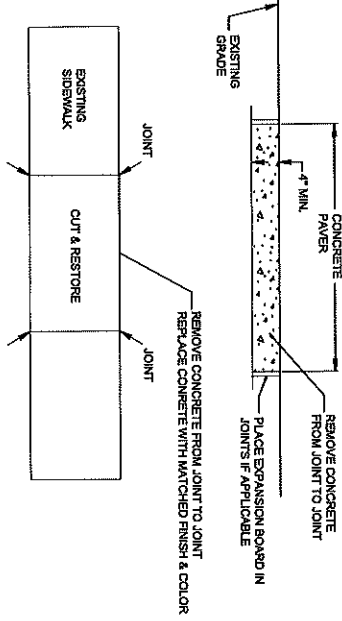
DESIGN & CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CLIENT. THE PROVIDER & CARRIER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES. THE PROVIDER & CARRIER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES. THE PROVIDER & CARRIER SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE EXISTING UTILITIES.



SIDEWALK CUT & RESTORE TYPICAL DETAIL

SIDEWALK MUST BE ADA COMPLIANT WHERE APPLICABLE

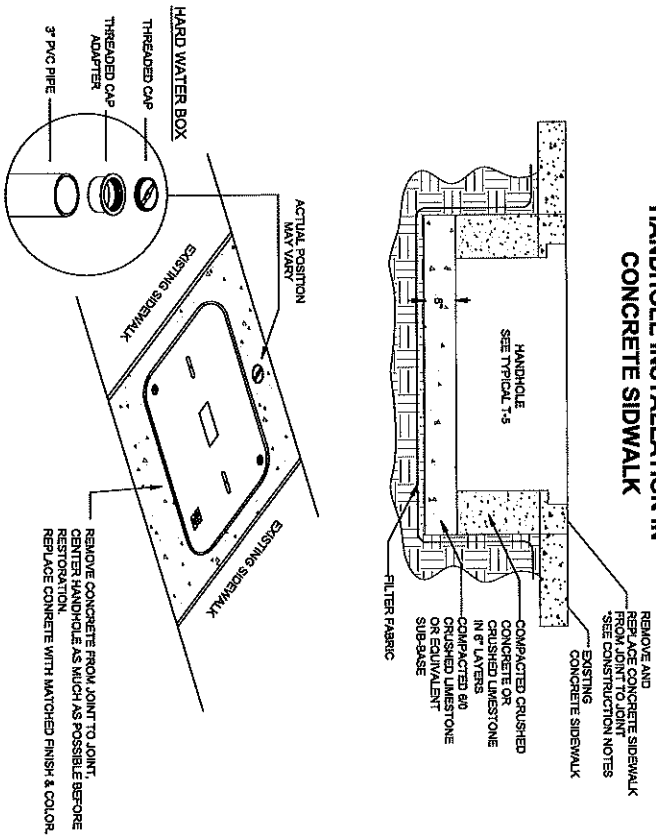
TYPICAL DETAIL "A" CONCRETE CUT & RESTORE REPLACEMENT



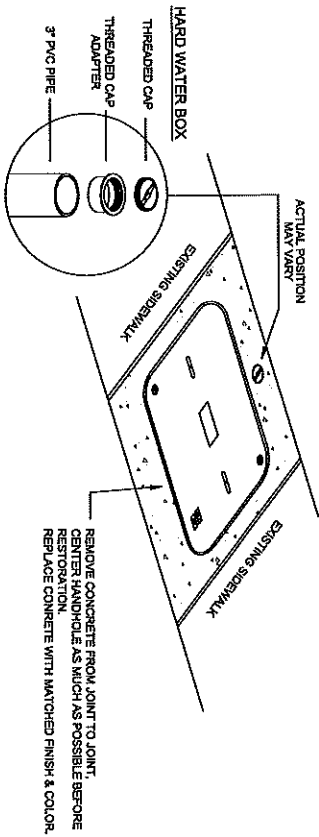
CONSTRUCTION NOTES:

1. PROVIDE BARRIERS AND TRAFFIC CONTROL PER MUTCD REV.3 OR NEWER, CONDITION.
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" HANDHOLE INSTALLATION IN CONCRETE SIDEWALK



AT EVERY HANDHOLE LOCATION WITH TEST WIRE IN A SIDEWALK, IF APPLICABLE, INSTALL A FLUSH MOUNT HARD WATER BOX RESTORE CONCRETE TO ORIGINAL FINISH & COLOR



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

FILE NAME	1-09
PROJECT CITY	
FULL FILENAME	1-09.dwg
DATE	
DESCRIPTION	CONSTRUCTION
SHEET	9
DRAWN BY	
SCALE	1"=30'
PAGE	9

REV.	DESCRIPTION	INITIALS	DATE

REV.	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0
2	DR-DRONE CABLE	0
3	PULL CABLE	0
4	BURIED SLACK	0
5	1.25" HOPE	0
6	5" HOPE CASING	0
7	HANDHOLES	0
8	SPICE CASING	0
9	H-POSTS	0
10	H-POSTS	0
11	GROUND ROSS	0
12	APRAL CABLE	0
13	RESSS	0
14		



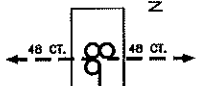
PREPARED FOR



DISCLAIMER
CSPIRE & ALL THE UTILITIES OWNED BY CSPIRE SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. CSPIRE SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. CSPIRE SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. CSPIRE SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT.

MADISON, MS
MADISON COUNTY

SPLICE STATION
0+00



0+00-3+67
DIRECTIONAL BORE 367
48" MINIMUM DEPTH
(2) 1.25" HDPE
PULL CABLE 89'
(1) 24 CT. F.O.C.

PLACE 30' SLACK COIL
OF 24 CT F.O.C.

4+56
PROP. 24" ONT
4+40 CORNER OF BUILDING 10'/C

4+56
PLACE 10' SLACK COIL
OF 12 CT F.O.C.
AT THE TOP OF ONT

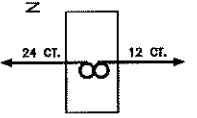
4+56
PLACE 2" HANDHOLE
E/W (1) 12 CT F.O.C.
PLACE 50' SLACK
PLACE 8' GND. ROD

SBI-Morrison Publishing Madison
102 Hazelton Cove,
Madison, MS 39110
Contact: Josh Siegel
@801-482-9096

3+67-4+56
PLACE 50' SLACK COIL
OF 12 CT F.O.C.

3+67
PLACE 3" HANDHOLE
E/W (1) 24 CT F.O.C.
PLACE 50' SLACK
PLACE 8' GND. ROD

3+67-4+56
DIRECTIONAL BORE 89'
48" MINIMUM DEPTH
(2) 1.25" HDPE
PULL CABLE 89'
(1) 12 CT. F.O.C.



SPLICE STATION
3+67

0+00 EXIST. TM HH
0+17 EDGE OF ROAD
0+47 EDGE OF ROAD
0+84 CABLE PI

0+74 TREE 8'0/C
0+82 TREE 10'0/C
0+87 TREE 8'0/C

1+10 TREE 7'0/C

1+46 TREE 7'0/C

1+78 TREE 7'0/C

1+93 EDGE OF ROAD

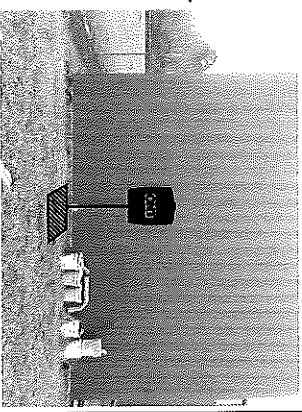
2+17 EDGE OF ROAD

2+32 HANDHOLE 1'0/C
2+34 POWER POLE 3'0/C
2+41 EDGE OF ROAD

2+80 EDGE OF ROAD

3+10 SIGN 4'0/C
3+18 PROP. TM HH

3+16
PLACE 3" HANDHOLE
E/W (1) 24 CT F.O.C.
PLACE 100' SLACK



NOTIFY ALL UTILITIES 72 HOURS PRIOR
TO THE START OF WORK.
ONE CALL SYSTEM @ 1-800-227-4477



FILE NAME: MPM-001
PROJECT GPR - MADISON, MS
FULL FILENAME: MPM-001.dwg

DATE: 02-06-20
DRAWN BY: COLINER
SHEET: 001

SCALE: 1"=50'
PAGE: 001

REVISIONS

REV.	DESCRIPTION	ISSUED	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	788
2	DIR.-BORE CABLE 48"	488
3	PULL CABLE	0
4	ROBBER SLACK	310
5	1.25" HOPE	912
6	5" HOPE CASING	0
7	HANDHOLES	3
8	MANHOLES	0
9	SPLICE CLOSURE	2
10	H-POSTS	2
11	GROUND RODS	2
12	ADJUAL CABLE	0
13	MESSERS	0
14		

PREPARED BY



PREPARED FOR



NOTICE: ALL UTILITIES 72 HOURS PRIOR TO THE START OF WORK. ONE CALL SYSTEM @ 1-800-227-4477