

MADISON COUNTY, MISSISSIPPI
PERMIT APPLICATION FOR USE AND OCCUPANCY
FOR THE CONSTRUCTION OR ADJUSTMENT OF A UTILITY
WITHIN ROAD OR HIGHWAY RIGHT-OF-WAY

FACILITY ALONG OR ACROSS ___ MADISON COUNTY ROAD ___ COUNTY

ROAD PROJECT NAME OR NUMBER COUNTY OF

MADISON, BEGINNING IN SECTION TOWNSHIP RANGE

AND ENDING IN SECTION TOWNSHIP RANGE

UTILITY NAME BY

TELEPHONE _662-590-3120_ ADDRESS _1018 HIGHLAND COLONY PKWY #400,
RIDGELAND, MS 39157

herein called APPLICANT, purposes to construct on AVENBROCK DR. a
(Name of Road)

Utility Facility installed between station _____ and station

_____ of Project Name / Number HARTLEY EQUIP. and within road

or highway right-of-way, and hereby makes application to the County for construction

permit. Attached hereto are drawings or plans for the construction, which will not be

changed or altered without approval of the Road Manager, or his representative.

Whereas, the Legislature of Mississippi has heretofore granted to the applicant the right to locate its facilities upon, across, under, over and along public highways and streets within the State of Mississippi; Applicant agrees to comply with applicable provisions of S.O.P. No. SAD II-2-8, Policy for the Accommodation of Utility Facilities within the Rights-of-Way of County Federal Aid and State Aid Highways (hereinafter referred to as the "Policy"), promulgated by the State Aid Engineer and dated January 1, 1983, and which is hereby made a part of this application Agreement, and agrees to perform the construction according to the applicable industry code and according to the plans and specifications for the Project.

The Applicant 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", as adopted on May 1, 1992, by the Madison County Board of Supervisors.

The Applicant shall be responsible for the future maintenance and repair of the facilities. The Applicant shall make future adjustments in, 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 the 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's Road Manager. 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 understands that any damages caused by routine maintenance and construction by county forces shall be borne by the applicant Utility.

A general description of the size, type, nature, and extent of the Utility work to be done is as follows:

*BORE FIBER OPTIC CABLE ALONG & ACROSS HILLENBROCK DR OCCUPIED IN
BACK 5 FT OF COUNTY ROW. (MIN 48" DEPTH)*

The applicant 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 and if this Utility Facility as 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 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.

The applicant further agrees to indemnify and hold 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.

Madison County agrees to the following stipulations:

- (1) To cooperate with the Utility Company in every way to avoid conflicts in the location, construction, and maintenance of the County Highway and Utility Facility.
- (2) To pursue any and all legal means to see the Policy Standards, except to the extent of any variance shown on the plans filed herewith and approved, are complied with in the facility installation.
- (3) If the County Road Manager or his authorized representative approved the drawing, sketches, and plans submitted by the Applicant, he shall so indicate by signing and dating the Permit Approval at the end of this application, and the Applicant may proceed with the installation; if the drawings, sketches, and plans are not approved, he shall promptly notify the Applicant, and advise it of the reason or reasons. He will also act as the duly appointed representative of the Board of Supervisors and will give his approval to the completed work as being in compliance with the location and standards shown in the Policy and in the Agreement for the installations.
- (4) That all joint highway construction and utility adjustment or relocation operations will comply with the requirements of Section S-105.06 and Section S-107-18, Mississippi Standard Specifications for State Aid Road and Bridge Construction, 1989 edition (or current edition).
- (5) Should any term of provision of this Applicant Agreement conflict with the law of the State of Mississippi, the Mississippi Constitution, or the United States Constitution, or impair or deny to the Applicant or the County any right protected thereby, it shall be deemed amended to conform to said law or Constitution.

WITNESS the signature of the Applicant this the 11TH day of MARCH,
2016.

By: [Signature]
(Applicant Signature)

Title: CONTRACTS & PERMITS

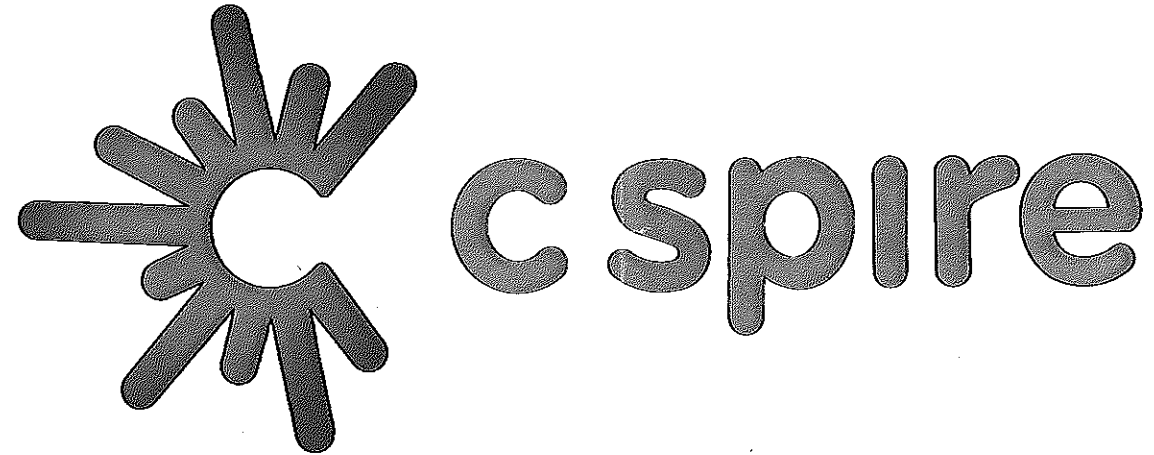
AGREED TO AND APPROVED BY:

_____ Date: _____

Madison County Board President

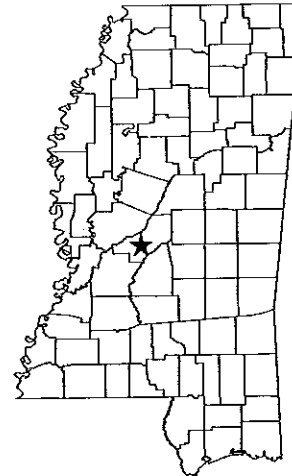
ENTERED INTO THE MINUTES OF THE BOARD OF SUPERVISORS OF MADISON
COUNTY, MISSISSIPPI OF THIS _____ DAY OF _____, 20 _____.

County Engineer



ASBUILT INFORMATION

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	

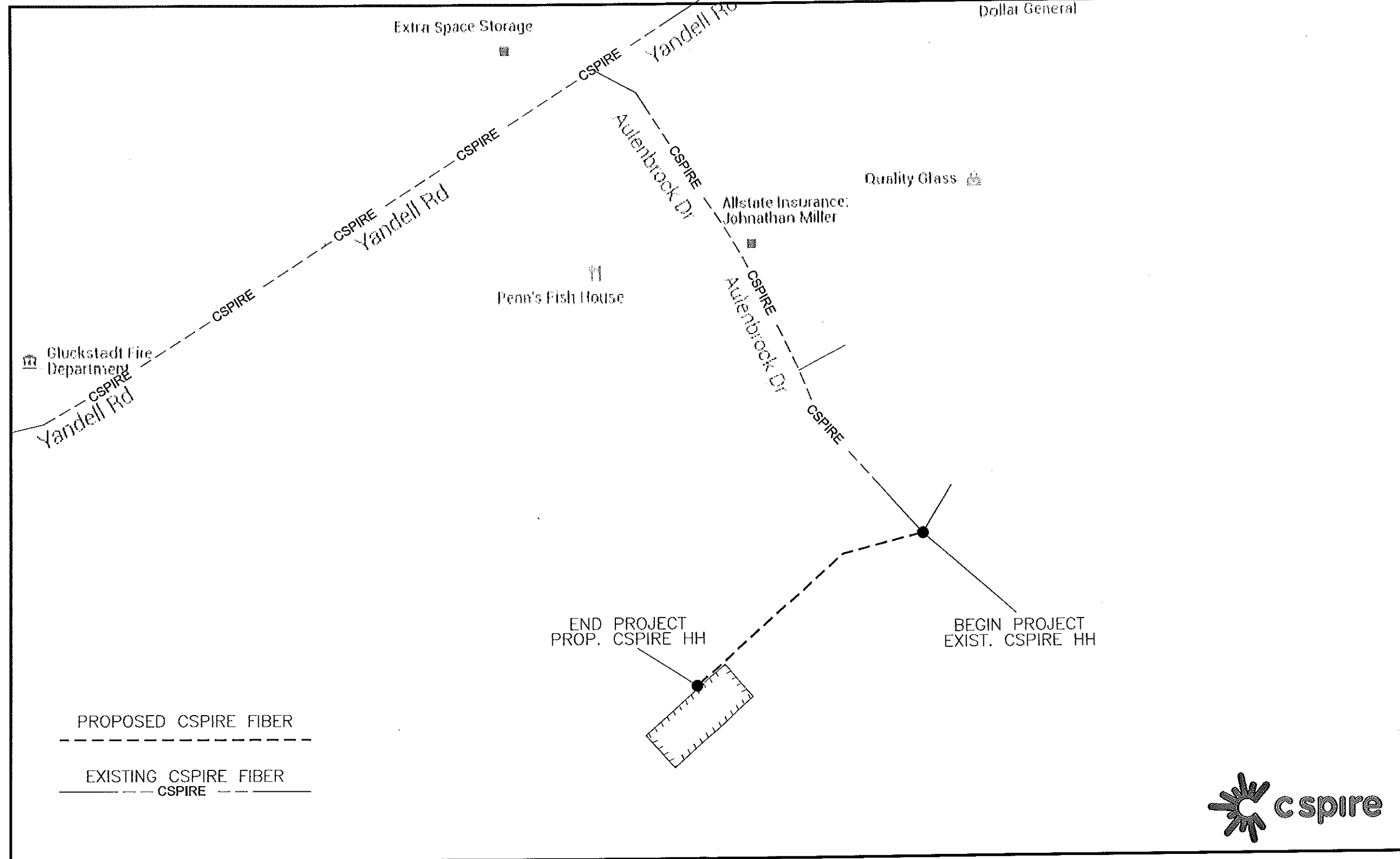
NVSBI.OSP.11253
CSF.OSFPMS-MADCTY.MS

PROPOSED FIBER BUILD
SBI-Hartley Equipment Company Inc
3-10-16



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

ROUTE MAP



PROPOSED CSPIRE FIBER

EXISTING CSPIRE FIBER
----- CSPIRE -----



SBI-Hartley Equipment Company Inc

CONSTRUCTION NOTES:

- ALL CONDUIT WILL BE 4" ID SCHEDULE 40 (6. PVC OR BSP/GSP, MANUFACTURED SPLIT PVC OR SPLIT BSP/GSP), UNLESS SPECIFIED OTHERWISE.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. CALL ONE CALL SYSTEM @ 1-800-227-6477.
- 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.
- SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.
- 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.
- MECHANICAL PROTECTION SHALL BE REQUIRED ANYTIME A 36" MINIMUM COVER IS UNOBTAINABLE UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
- 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.
- OPERATIONS PERSONNEL TO BE CONTACTED BY THE CONTRACTOR 48 HOURS PRIOR TO CONSTRUCTION.
- ALL STATIONING IS BASED ON AS-BUILT INFORMATION, THEREFORE SOME VARIANCE SHOULD BE ANTICIPATED. ADJUST AS NEEDED.
- RAILROAD COMMUNICATION AND SIGNAL CABLES TO BE LOCATED PRIOR TO CONSTRUCTION ACTIVITY. RAILROAD TO BE GIVEN 48 HOURS NOTICE PRIOR TO CONSTRUCTION
- ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 24" MINIMUM BELOW THE LOWEST POINT OF EXISTING CITY UTILITY BEING CROSSED.
- ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 48" MINIMUM BELOW ALL CITY & OR SURFACE STREET(S) WHERE NO UTILITY IS CROSSED.
- 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:

- ALL WORK TO BE DONE WITH EXTREME CAUTION, FIBER OPTIC CABLE CARRYING TRAFFIC AND LOSS OF SERVICE WILL RESULT IN LOSS OF REVENUE.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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

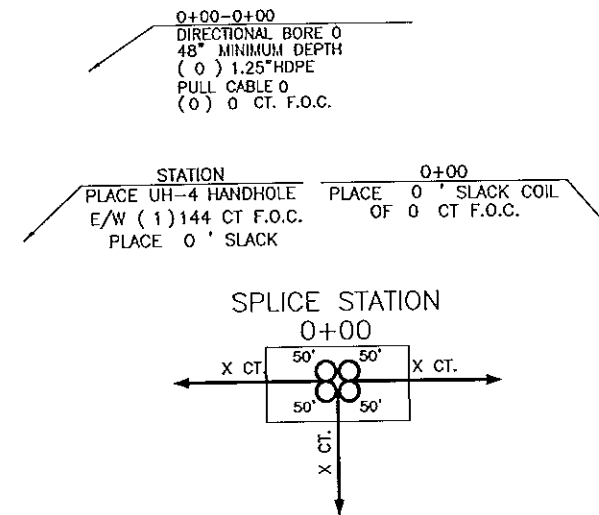
DEFINITION

- | | |
|---------------|---|
| 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 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. |

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



SYMBOL

- | | |
|--|------|
| | NONE |
| | NONE |
| | NONE |
| | NONE |
| | NONE |
| | NONE |
| | NONE |



FILE NAME T-01	
PROJECT CITY - MADISON, MS	
FULL FILENAME T-01.dwg	
DATE 03-10-16	DESCRIPTION CONSTRUCTION
SHEET 1	DRAWN BY J.BUSBY
SCALE 1"=50'	PAGE 1

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DR-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

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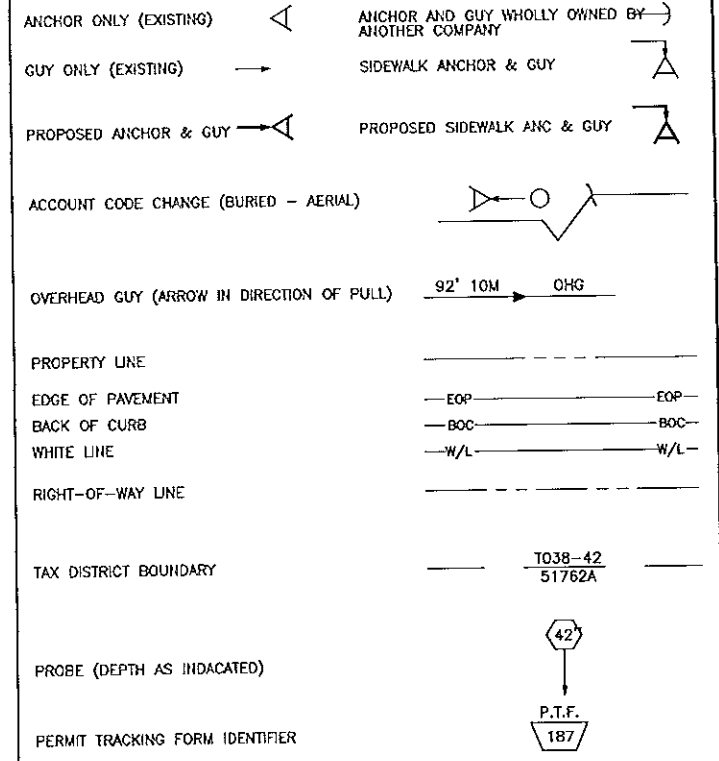
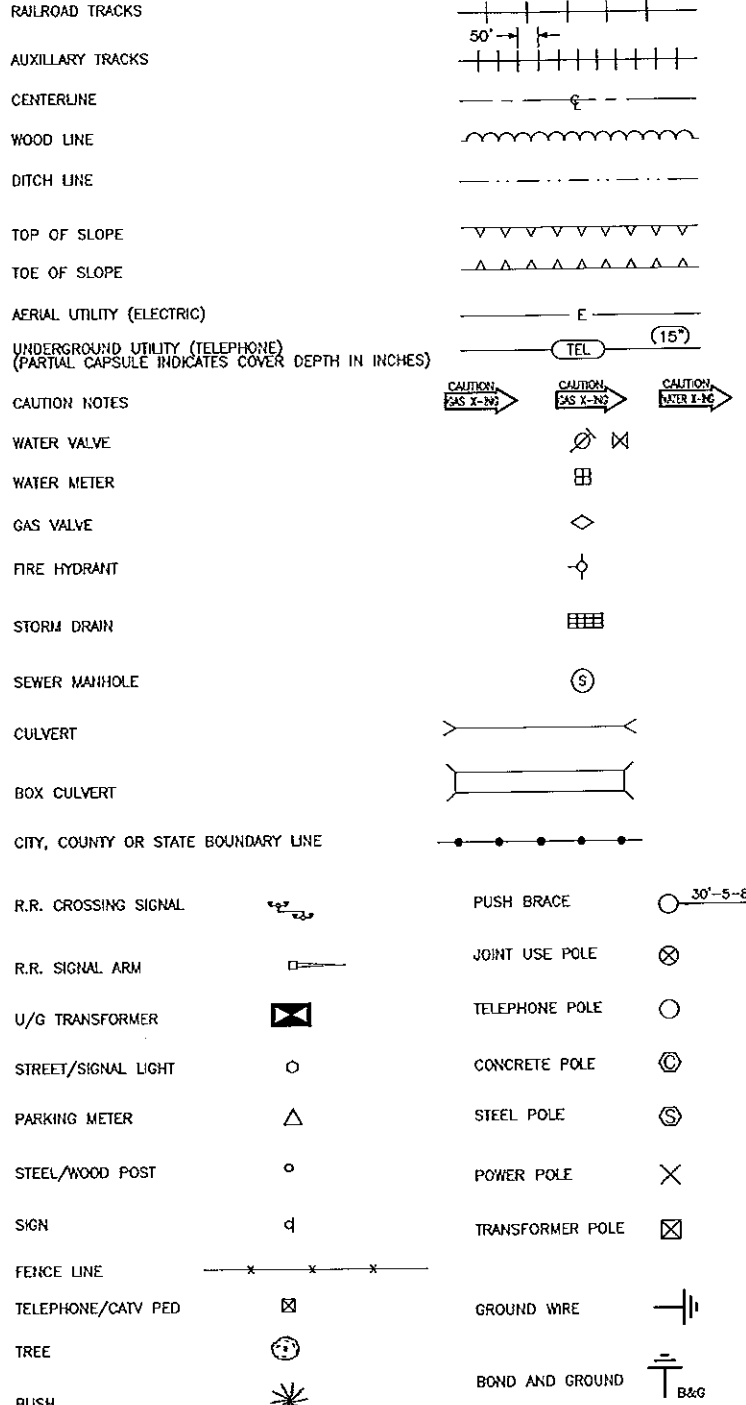
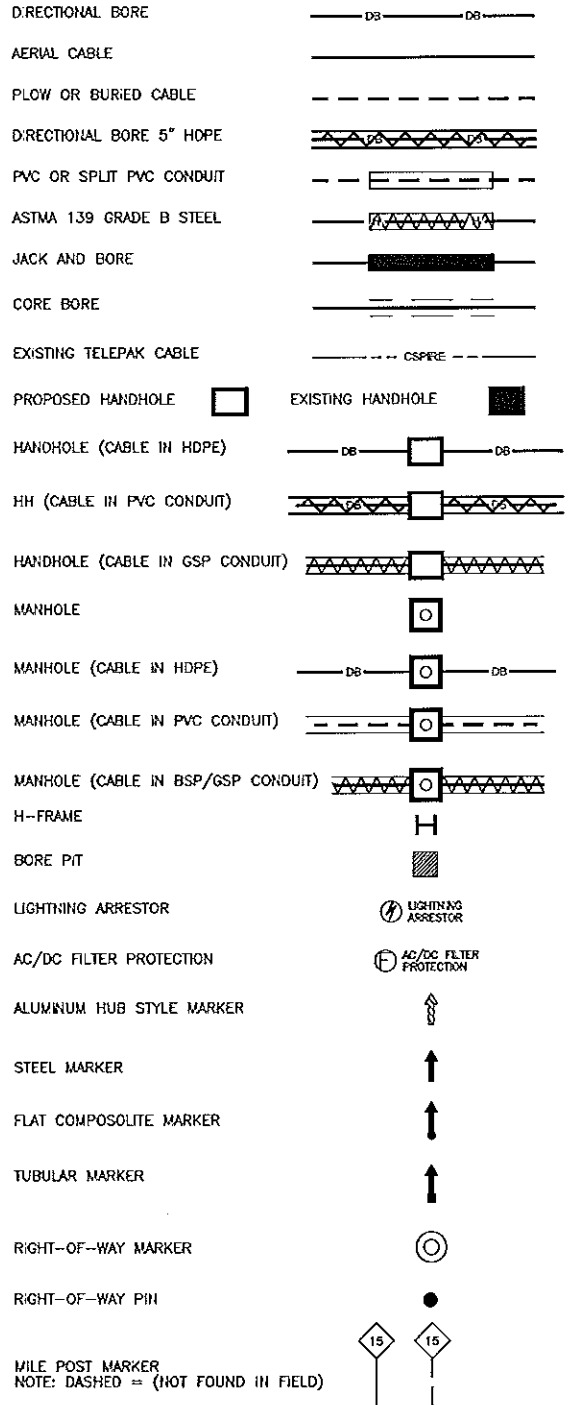
DISCLAIMER

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.

MADISON, MS
MADISON COUNTY

SYMBOLS KEY



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
TS'G	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	M/DSPAN
TRAN	TRANSFORMER	OHG	OVERHEAD GUY
TELEPAK	TELEPAK ATTACHMENT	TOP	TOP OF POLE
SEC	SECONDARY POWER	NEU	NEUTRAL





FILE NAME	T-02
PROJECT CITY -	MADISON, MS
FULL FILENAME	T-02.dwg
DATE	03-10-16
DESCRIPTION	CONSTRUCTION
SHEET	2
DRAWN BY	J.BUSBY
SCALE	1"=50'
PAGE	2

REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DR-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		

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MAP NUMBER	
2	
DISCLAIMER	

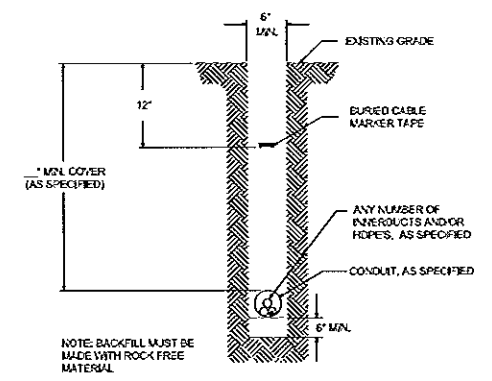
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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM ☎ 1-800-227-6477

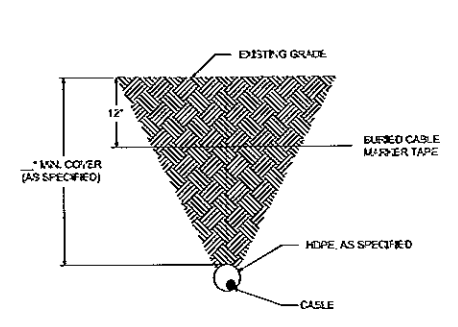
MADISON, MS
MADISON COUNTY

PLACEMENT-TYPICALS

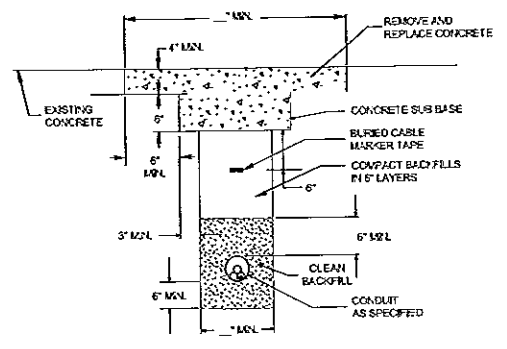
TYPICAL DETAIL "A"
PLACE CONDUIT
CROSS SECTION



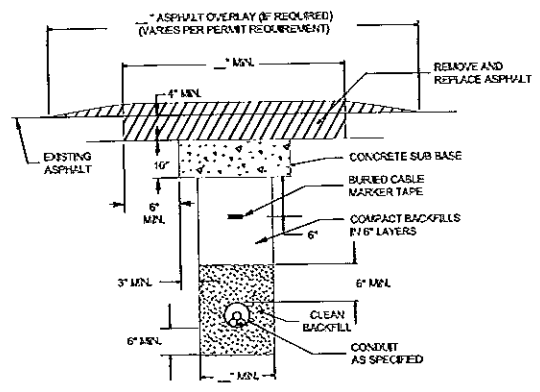
TYPICAL DETAIL "B"
PLACE HDPE CROSS
SECTION



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

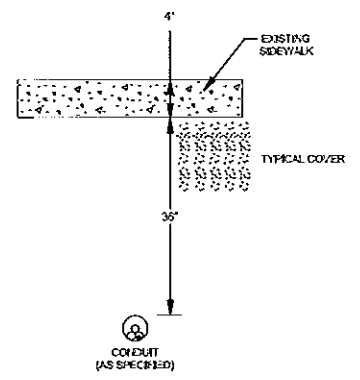


TYPICAL DETAIL "D"
ASPHALT/PAVEMENT OPEN CUT
CROSS SECTION

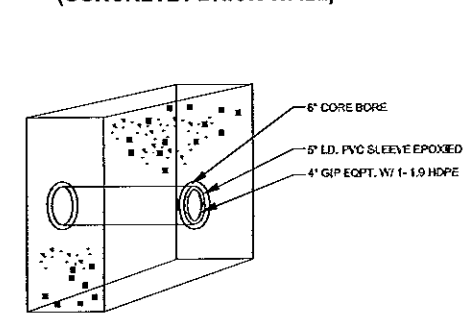


OPEN CUT-TYPICALS

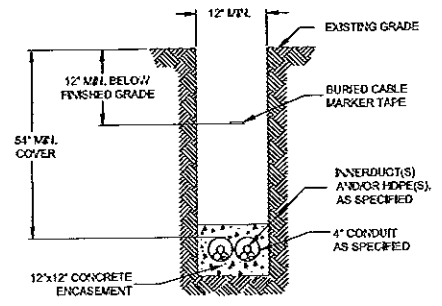
TYPICAL DETAIL "E"
BORE CONCRETE SIDEWALK



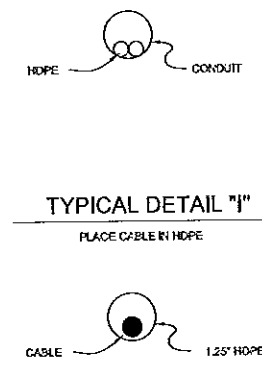
TYPICAL DETAIL "F"
CORE BORE
(CONCRETE / BRICK WALL)



TYPICAL DETAIL "G"
12"x12" CONCRETE ENCASEMENT



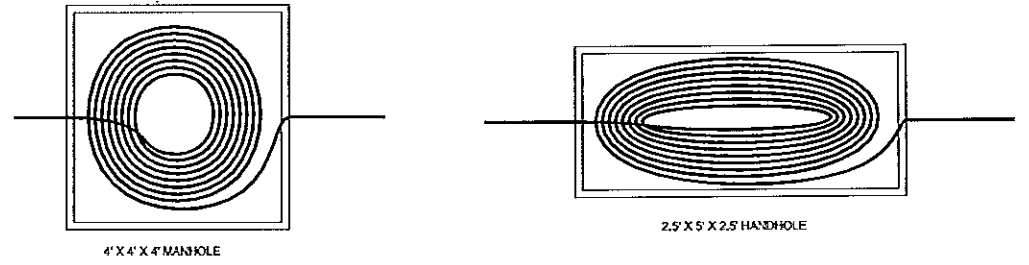
TYPICAL DETAIL "H"
PLACE (2) 1.25" HDPE IN CONDUIT



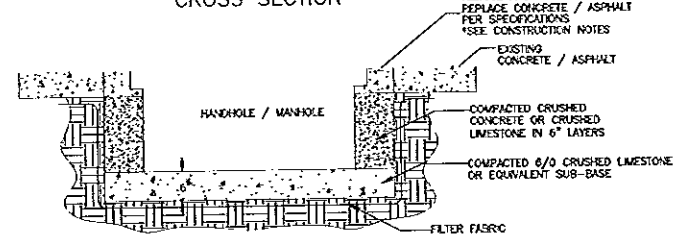
TYPICAL DETAIL "I"
PLACE CABLE IN HDPE



TYPICAL DETAIL "J"
MANHOLE & HANDHOLE SLACK COIL DETAIL



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



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



FILE NAME T-03
PROJECT CITY - MADISON, MS
FULL FILENAME T-03.dwg
DATE 03-10-16 DESCRIPTION CONSTRUCTION
SHEET 3 DRAWN BY J.BUSBY
SCALE 1"=50' PAGE 3

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DR-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		

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MAP NUMBER

3

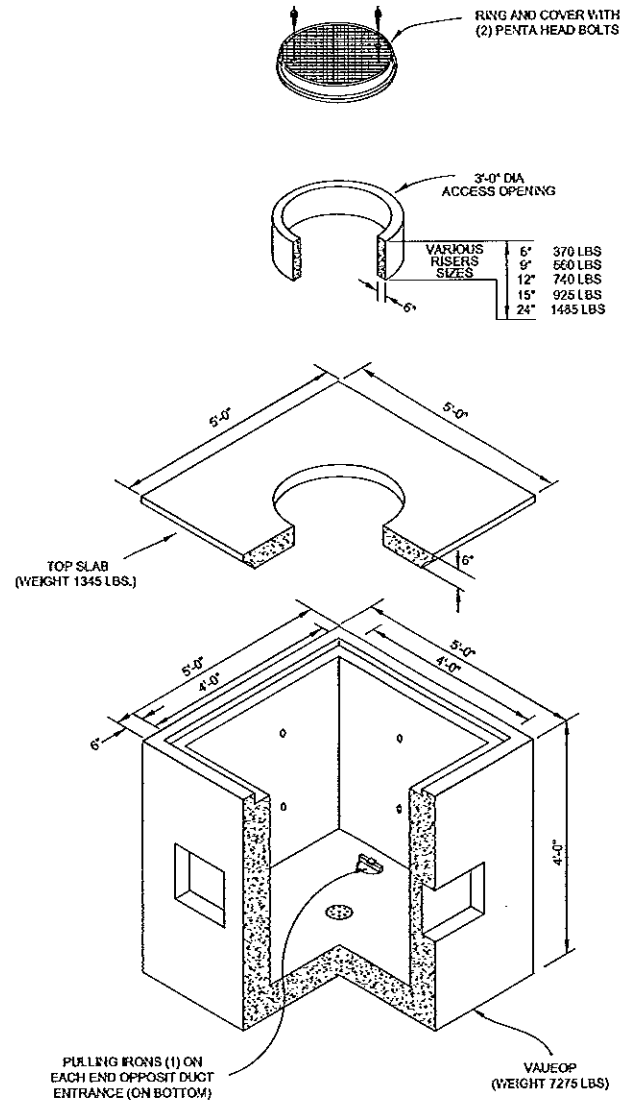
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MADISON, MS
MADISON COUNTY

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 - MADISON, MS	
FULL FILENAME T-04.dwg	
DATE 03-10-16	DESCRIPTION CONSTRUCTION
SHEET 4	DRAWN BY J.BUSBY
SCALE 1"=50'	PAGE 4

REVISIONS

REV.	DESCRIPTION	NTWS	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
14		

PREPARED BY



PREPARED FOR



MAP NUMBER

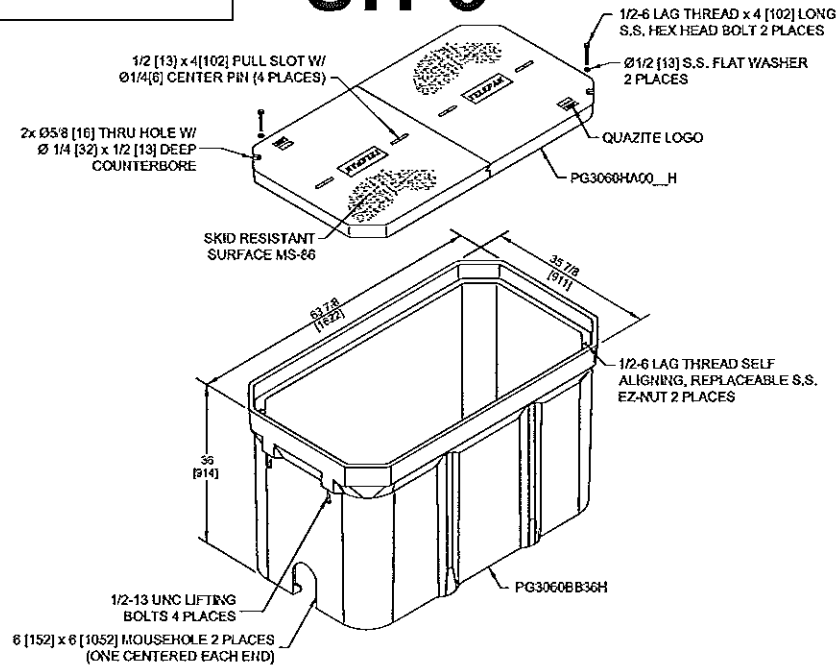
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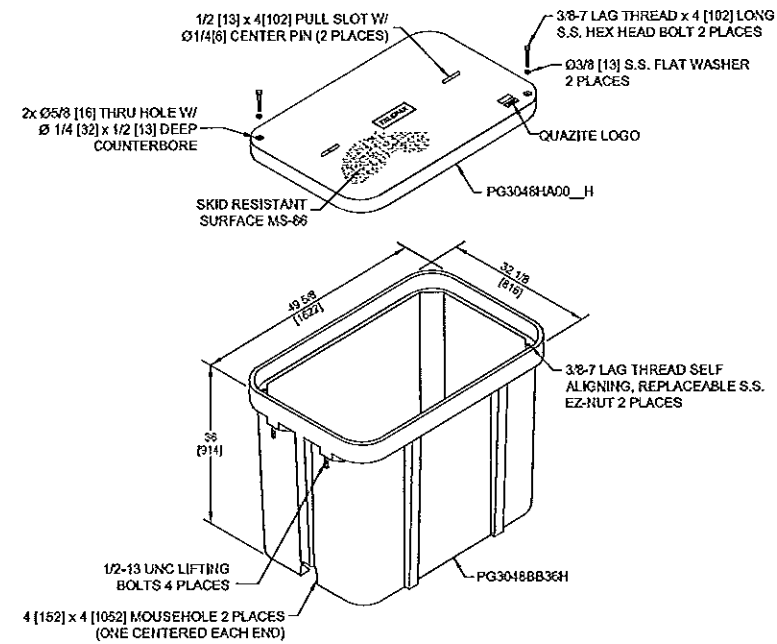
NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 1-800-227-6477

MADISON, MS
MADISON COUNTY

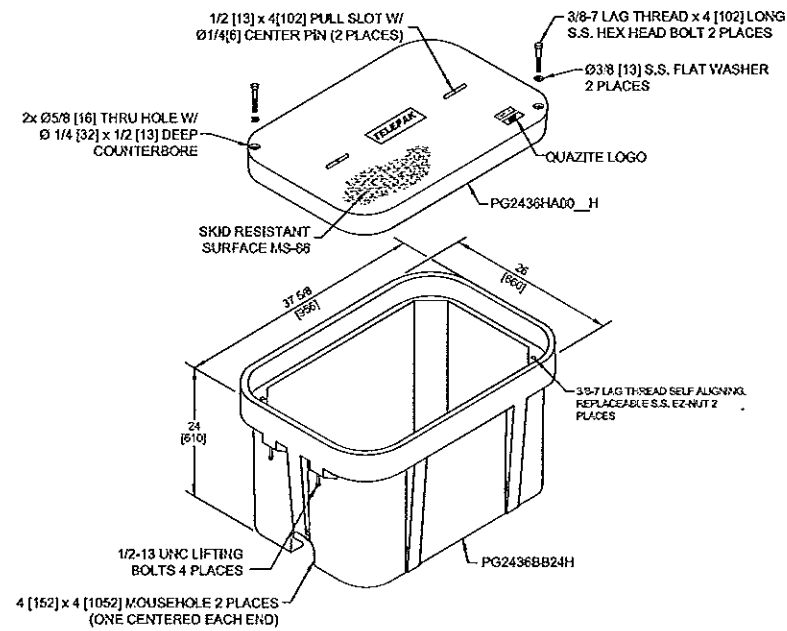
UH-5



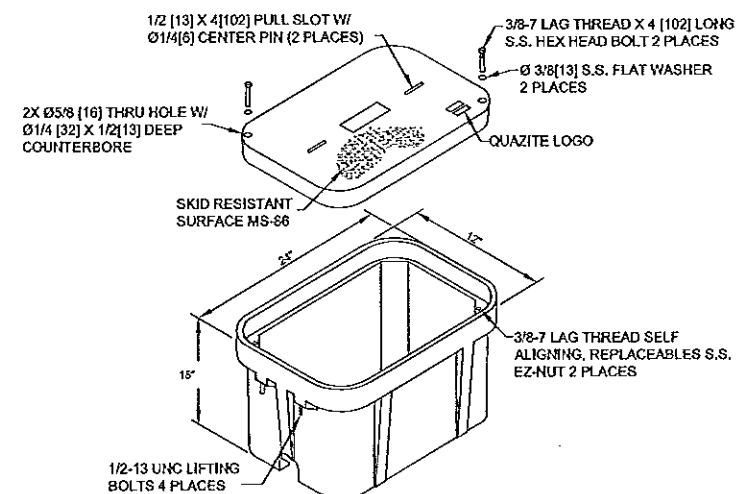
UH-4



UH-3



UH-2



FILE NAME T-05	
PROJECT CITY - MADISON, MS	
FULL FILENAME T-05.dwg	
DATE 03-10-16	DESCRIPTION CONSTRUCTION
SHEET 5	DRAWN BY J.BUSBY
SCALE 1"=50'	PAGE 5

REVISIONS

REV.	DESCRIPTION	ENTRS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DR-BORE CABLE	0'
3	PULL CABLE	0'
4	BURIED SLACK	0'
5	1.25" HOPE	0'
6	5" HOPE 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

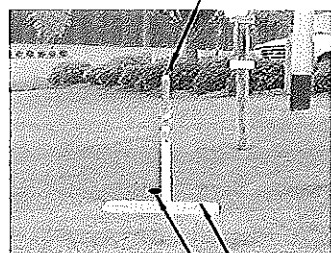
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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 1-800-227-6477

MADISON, MS
MADISON COUNTY

TYPICAL HAND HOLE INSTALLATION

MARKER POST WITH LOCATE PIGTAIL CENTERED BEHIND HANDHOLE



8' x 5/8" GROUND ROD 6" BELOW GROUND AND 6" TO THE LEFT OF MARKER POST OUTSIDE OF HANDHOLE

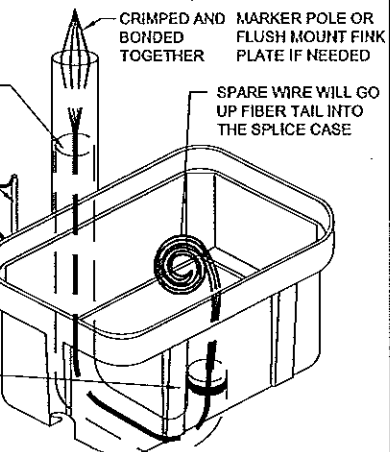
PIGTAIL INSTALLED IN H/H WITH LONG WIRES (CONNECTORIZED ENDS) FED UP INTO MARKER POST AND SHORT WIRE TO GROUND ROD

AT EVERY HANDHOLE LOCATION WITH A MARKER POST, 1.25" HDPE SHOULD EXTEND 48" INTO MARKER POST. HDPE SHOULD ALSO EXTEND 6" ABOVE GRAVEL AT THE BOTTOM OF THE HANDHOLE.

AT EVERY TEST STATION, BURY GROUND ROD 6" BELOW GROUND AND 6" TO THE LEFT OF MARKER POST

BLACK WIRE BONDED TO 8' GROUND ROD AT TEST STATIONS ONLY

PLACE BLUE TAPE NEAR THE TOP OF HDPE TO INDICATE THE DUCT LEADING TO MARKER POST



NOTES:

- THIS ASSEMBLY IS RATED FOR A STATIC DESIGN LOAD OF 15,000 LBS. [66,720 N] OVER A 10 [254] X 10 [254] AREA AND MUST PASS A MIN. STATIC TEST LOAD OF 22,500 LBS. [100,085 N].
- ALL ENCLOSURES, BOXES AND COVERS, ARE REQUIRED TO CONFORM TO ALL TEST PROVISIONS OF ANSISCTE 77 2007 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY" AS MANUFACTURED BY QUAZITE OR EQUIVALENT WITH TELEPAK NETWORKS ENGINEER'S SIGNED APPROVAL. THE COVERS MUST BE RATED FOR TIER 15 APPLICATIONS AND BOXES RATED FOR TIER 22 APPLICATIONS AND IN NO ASSEMBLY CAN THE COVER DESIGN LOAD EXCEED THE DESIGN LOAD OF THE BOX. ALL COMPONENTS IN AN ASSEMBLY (BOX & COVER) ARE MANUFACTURED USING MATCHED SURFACE TOOLING. ALL COVERS ARE REQUIRED TO HAVE A MINIMUM COEFFICIENT OF FRICTION OF 0.50 IN ACCORDANCE WITH ASTM C 1028 AND HAVE TIER 15 AND "TELEPAK NETWORKS 600-342-3716" EMBOSSED ON THE TOP SURFACE. ALL COVER BOLTS TO BE SELF-CLEANING AUGER BOLT ASSEMBLIES.

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

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

BOXES (Nestable)

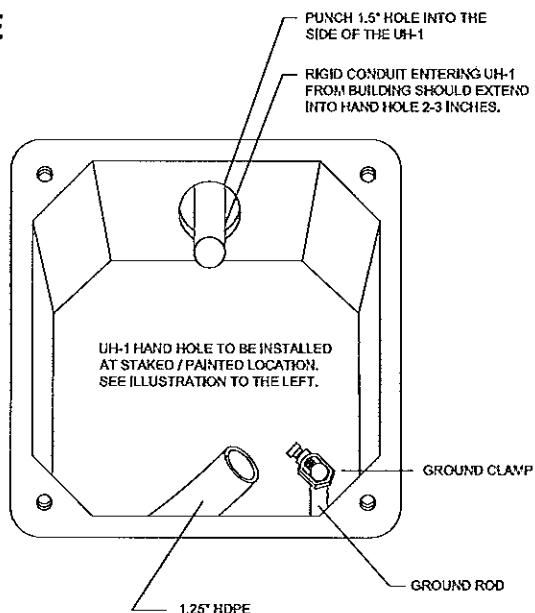
DESCRIPTION	PART NO.	WEIGHT	DESIGN/TEST LOAD#
UH-5 30x60x36	PG3060Z501	933# 423KG.	15'000 LBS
UH-4 30x48x36	PG3048Z579	563# 255KG.	15'000 LBS
UH-3 24x36x24	PG2436Z905	284# 128KG.	15'000 LBS

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

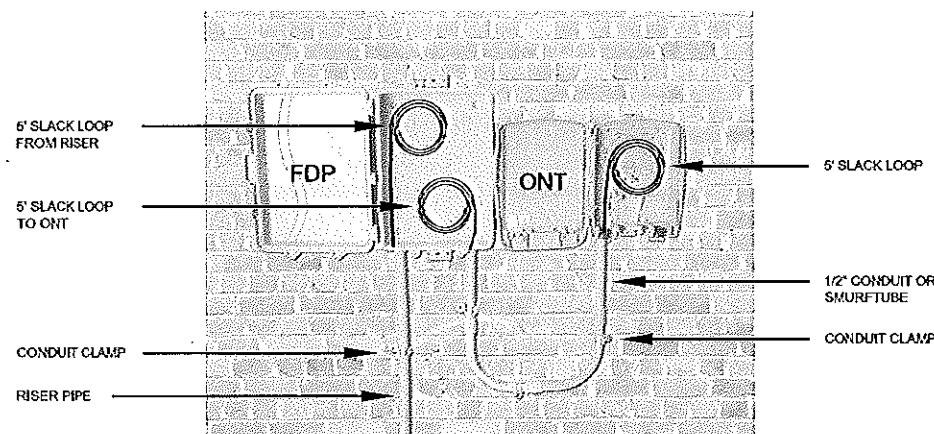
TYPICAL UH-1 / UH-2 HAND HOLE INSTALLATION PROCEDURES AT BUILDING ENTRIES



UH-1 / UH-2 INSTALLATION LOCATION WILL BE MARKED BY A STAKE AND/OR PAINT. CSPIRE/OSP WILL INSTALL CONDUIT 8" UNDERGROUND TO DESIRABLE UH-1 LOCATION.

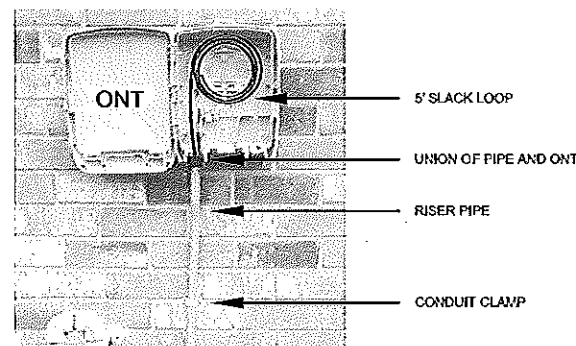


TYPICAL FDP & ONT OUTDOOR INSTALLATION PROCEDURES AT BUILDING ENTRIES



- 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. MOUNT ONT AS CLOSE TO THE POWER METER AS POSSIBLE
- 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 4" RISER PIPE TO THE WALL USING SHOWN CONDUIT CLAMPS.
- JOIN RISER PIPE TO FDP AT SHOWN LOCATION & MOUNT FDP TO THE WALL.
- MOUNT ONT LEAVING ENOUGH SPACE BETWEEN FDP & ONT SO THE COVER MAY OPEN FULLY AS SHOWN
- PLACE 1/2" CONDUIT FROM FDP TO ONT.
- PLACE FIBER FROM DUCT INTO RISER PIPE AND INTO FDP LEAVING A 5' SLACK LOOP.
- WITH A SEPARATE 12CT FIBER, LEAVE A 5' SLACK LOOP IN THE FDP AND ENTER THE CONDUIT TO 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. MOUNT ONT AS CLOSE TO THE POWER METER AS POSSIBLE
- 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 4" 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.



FILE NAME T-06

PROJECT CITY - MADISON, MS

FULL FILENAME T-06.dwg

DATE 03-10-16 DESCRIPTION CONSTRUCTION

SHEET 6 DRAWN BY J.BUSBY

SCALE 1"=50' PAGE 6

REVISIONS

REV.	DESCRIPTION	INTWS	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



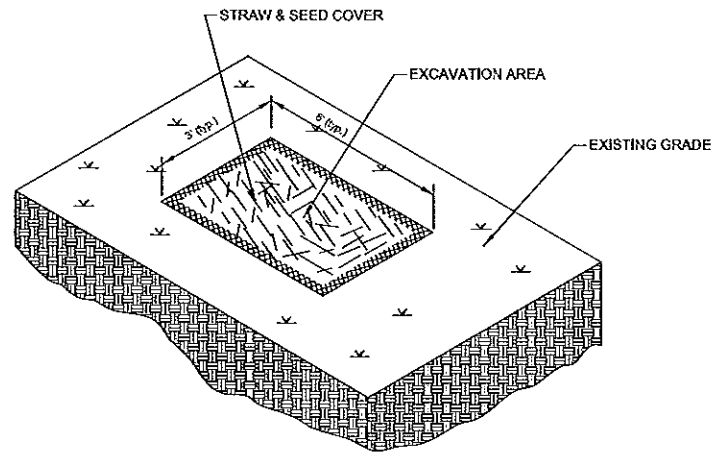
MAP NUMBER

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.

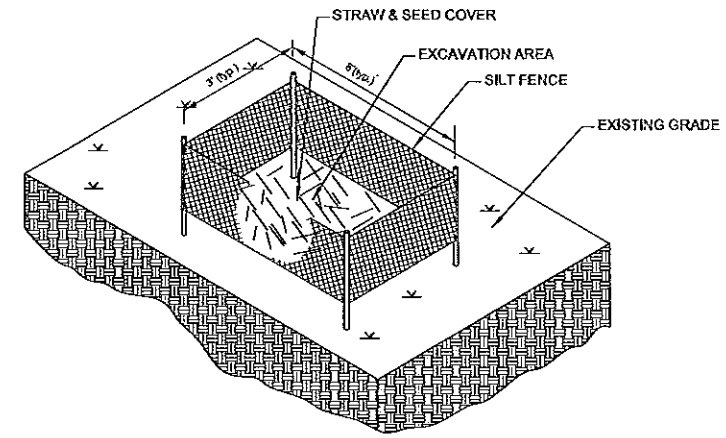
NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 1-800-227-6477

MADISON, MS
MADISON COUNTY



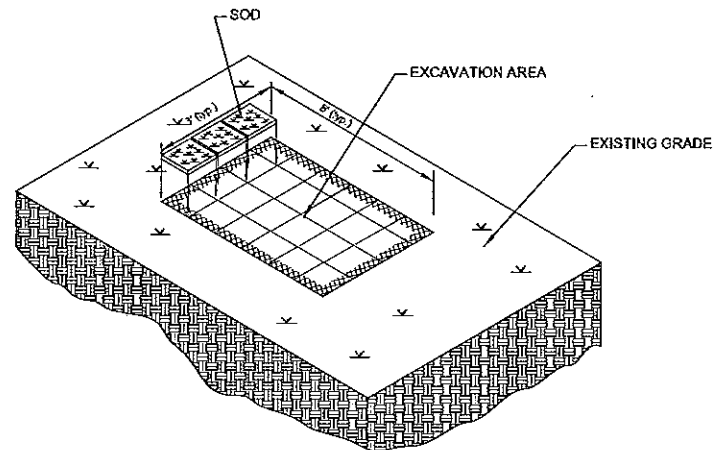
TYPICAL EROSION DETAIL #1
NOTE TO CONSTRUCTION:

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



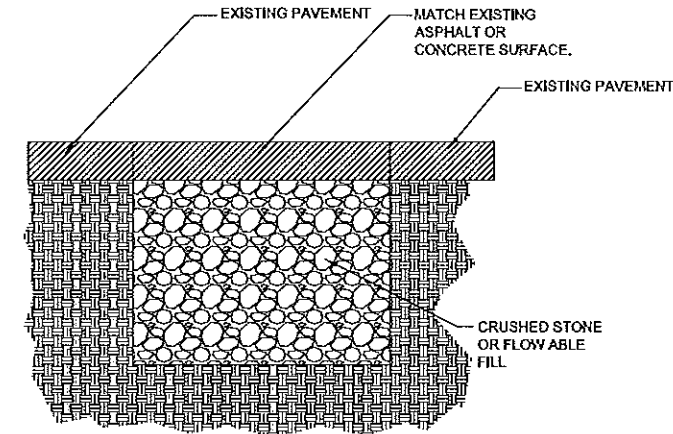
TYPICAL EROSION DETAIL #2
NOTE TO CONSTRUCTION:

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



TYPICAL 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 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 - MADISON, MS
FULL FILENAME T-07.dwg
DATE 03-10-16 DESCRIPTION CONSTRUCTION
SHEET 7 DRAWN BY J.BUSBY
SCALE 1"=50' PAGE 7

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" HOPE	0'
6	5" HOPE CASING	0'
7	HANDHOLES	0
8	MANHOLES	0
9	SPURGE CLOSURE	0
10	H-POSTS	0
11	GROUND RODS	0
12	AERIAL CABLE	0'
13	RISERS	0
14		

PREPARED BY



PREPARED FOR



MAP NUMBER

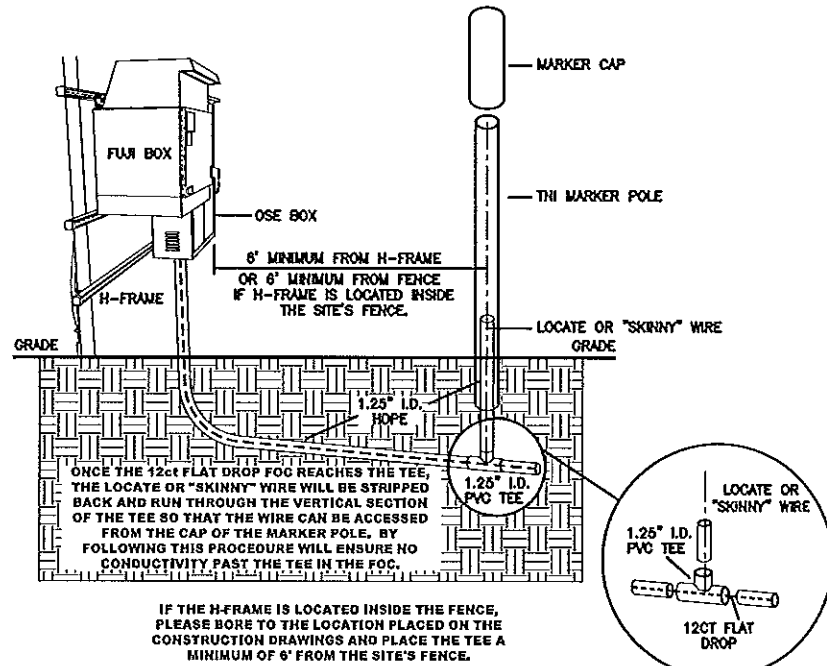
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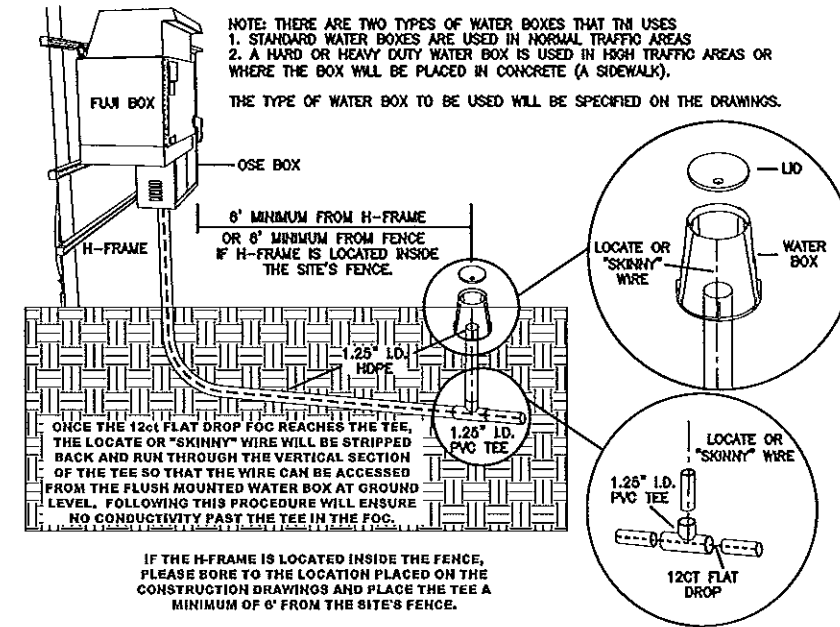
NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM © 1-800-227-6477

MADISON, MS
MADISON COUNTY

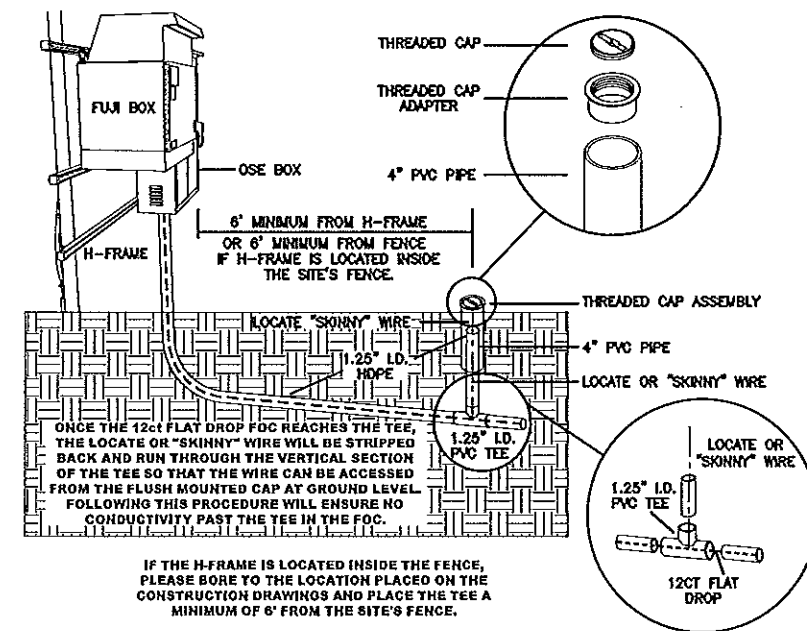
**DIELECTRIC TEST STATION
(DTS) TYPICALS**



**FLUSH MOUNTED WATER BOX INSTALLATION
OPTION TWO**



**THREADED PVC FLUSH MOUNTED
ACCESS CAP OPTION THREE**



FILE NAME T-08	
PROJECT CITY - MADISON, MS	
FULL FILENAME T-08.dwg	
DATE 03-10-16	DESCRIPTION CONSTRUCTION
SHEET 8	DRAWN BY J.BUSBY
SCALE 1"=50'	PAGE 8

REVISIONS

REV.	DESCRIPTION	INTLS	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" HOPE	0'
6	5" HOPE 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



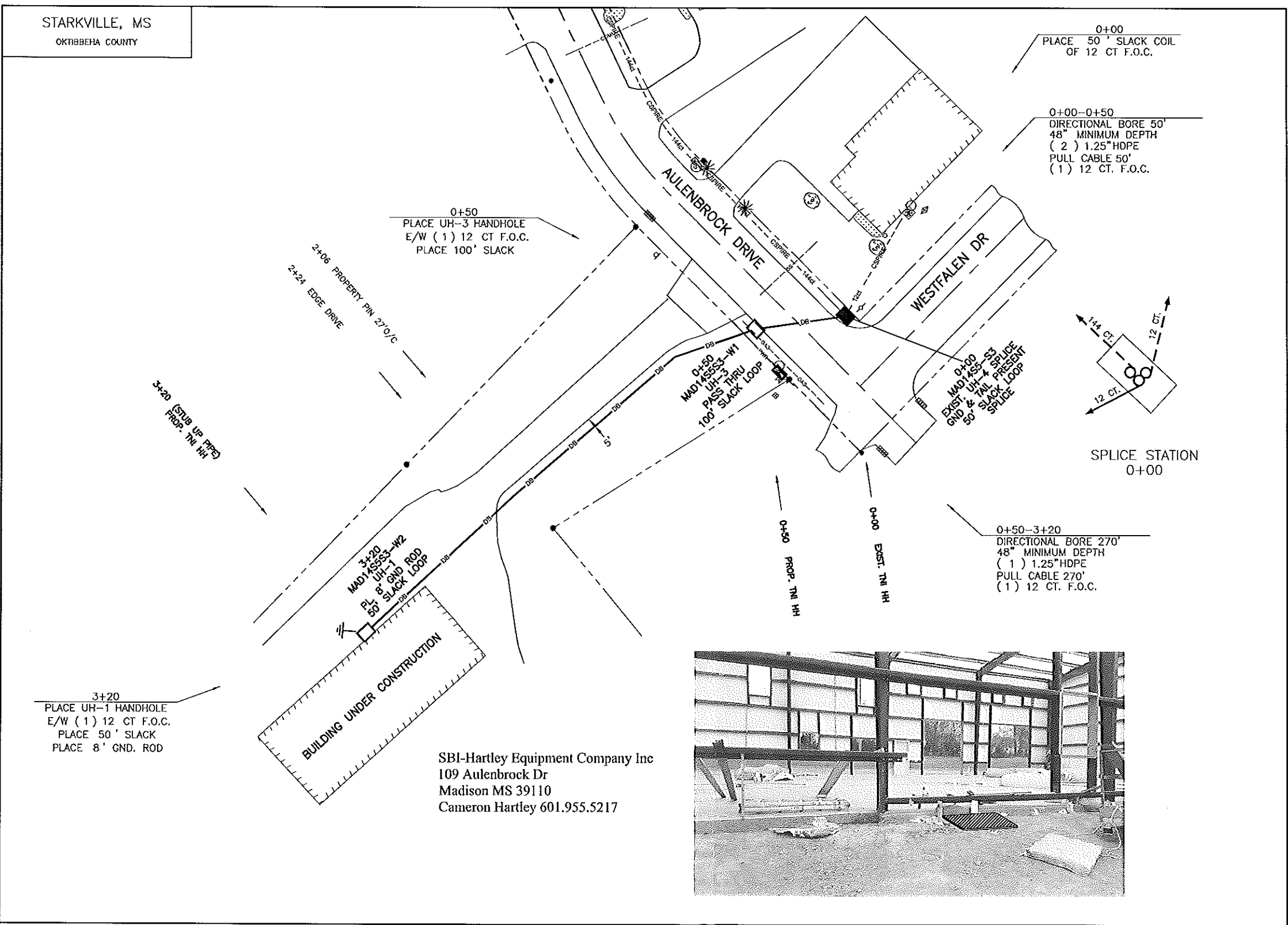
MAP NUMBER

DISCLAIMER

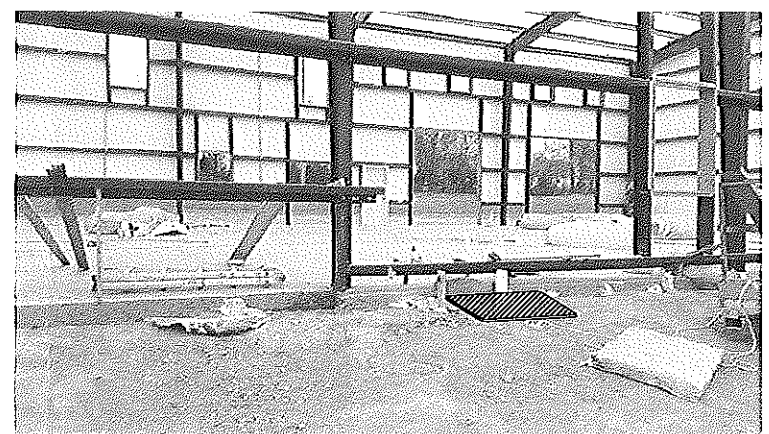
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ONE CALL SYSTEM @ 1-800-227-6477

STARKVILLE, MS
OKTIBBEHA COUNTY



SBI-Hartley Equipment Company Inc
109 Aulenbrock Dr
Madison MS 39110
Cameron Hartley 601.955.5217



FILE NAME HEC-001
PROJECT CITY - STARKVILLE, MS
FULL FILENAME HEC-001.dwg
DATE 03-10-16 DESCRIPTION CONSTRUCTION
SHEET 001 DRAWN BY D.SAIDERS
SCALE 1"=50' PAGE 001

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	520'
2	DIR-BORE CABLE	320'
3	PULL CABLE	0'
4	BURIED SLACK	200'
5	1.25" HDPE	370'
6	5" HDPE CASING	0'
7	HANDHOLES	2
8	MANHOLES	0
9	SPLICE CLOSURE	1
10	H-POSTS	0
11	GROUND RODS	1
12	AERIAL CABLE	0'
13	RISERS	0
14		

PREPARED BY
 cspire

PREPARED FOR
 cspire

MAP NUMBER

	001	

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

MADISON COUNTY, MISSISSIPPI
PERMIT APPLICATION FOR USE AND OCCUPANCY
FOR THE CONSTRUCTION OR ADJUSTMENT OF A UTILITY
WITHIN ROAD OR HIGHWAY RIGHT-OF-WAY

FACILITY ALONG OR ACROSS ___MADISON COUNTY ROAD___ COUNTY

ROAD PROJECT NAME OR NUMBER _____ COUNTY OF _____

MADISON, BEGINNING IN SECTION 28 TOWNSHIP 8 RANGE 2

AND ENDING IN SECTION 28 TOWNSHIP 8 RANGE 2

UTILITY NAME C SPIRE BY STEVE CASE

TELEPHONE 662-590-3120 ADDRESS 1018 HIGHLAND COLONY PKWY #400,
RIDGELAND, MS 39157

herein called APPLICANT, purposes to construct on INDUSTRIAL DRIVE a
(Name of Road)

Utility Facility installed between station _____ and station _____

_____ of Project Name / Number _____ and within road _____

or highway right-of-way, and hereby makes application to the County for construction

permit. Attached hereto are drawings or plans for the construction, which will not be

changed or altered without approval of the Road Manager, or his representative.

Whereas, the Legislature of Mississippi has heretofore granted to the applicant the right to locate its facilities upon, across, under, over and along public highways and streets within the State of Mississippi; Applicant agrees to comply with applicable provisions of S.O.P. No. SAD II-2-8, Policy for the Accommodation of Utility Facilities within the Rights-of-Way of County Federal Aid and State Aid Highways (hereinafter referred to as the "Policy"), promulgated by the State Aid Engineer and dated January 1, 1983, and which is hereby made a part of this application Agreement, and agrees to perform the construction according to the applicable industry code and according to the plans and specifications for the Project.

The Applicant 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", as adopted on May 1, 1992, by the Madison County Board of Supervisors.

The Applicant shall be responsible for the future maintenance and repair of the facilities. The Applicant shall make future adjustments in, 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 the 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's Road Manager. 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 understands that any damages caused by routine maintenance and construction by county forces shall be borne by the applicant Utility.

A general description of the size, type, nature, and extent of the Utility work to be done is as follows:

*BORE FIBER OPTIC CABLE ALONG & ACROSS INDUSTRIAL DR, MIN 48" DEEP
IN BACK 5FT OF COUNTY ROW*

The applicant 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 and if this Utility Facility as 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 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.

The applicant further agrees to indemnify and hold 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.

Madison County agrees to the following stipulations:

- (1) To cooperate with the Utility Company in every way to avoid conflicts in the location, construction, and maintenance of the County Highway and Utility Facility.
- (2) To pursue any and all legal means to see the Policy Standards, except to the extent of any variance shown on the plans filed herewith and approved, are complied with in the facility installation.
- (3) If the County Road Manager or his authorized representative approved the drawing, sketches, and plans submitted by the Applicant, he shall so indicate by signing and dating the Permit Approval at the end of this application, and the Applicant may proceed with the installation; if the drawings, sketches, and plans are not approved, he shall promptly notify the Applicant, and advise it of the reason or reasons. He will also act as the duly appointed representative of the Board of Supervisors and will give his approval to the completed work as being in compliance with the location and standards shown in the Policy and in the Agreement for the installations.
- (4) That all joint highway construction and utility adjustment or relocation operations will comply with the requirements of Section S-105.06 and Section S-107-18, Mississippi Standard Specifications for State Aid Road and Bridge Construction, 1989 edition (or current edition).
- (5) Should any term of provision of this Applicant Agreement conflict with the law of the State of Mississippi, the Mississippi Constitution, or the United States Constitution, or impair or deny to the Applicant or the County any right protected thereby, it shall be deemed amended to conform to said law or Constitution.

WITNESS the signature of the Applicant this the 8TH day of MARCH,

2010.

By: Steve Case STEVE CASE
(Applicant Signature)

Title: CONTRACTS & PERMITS

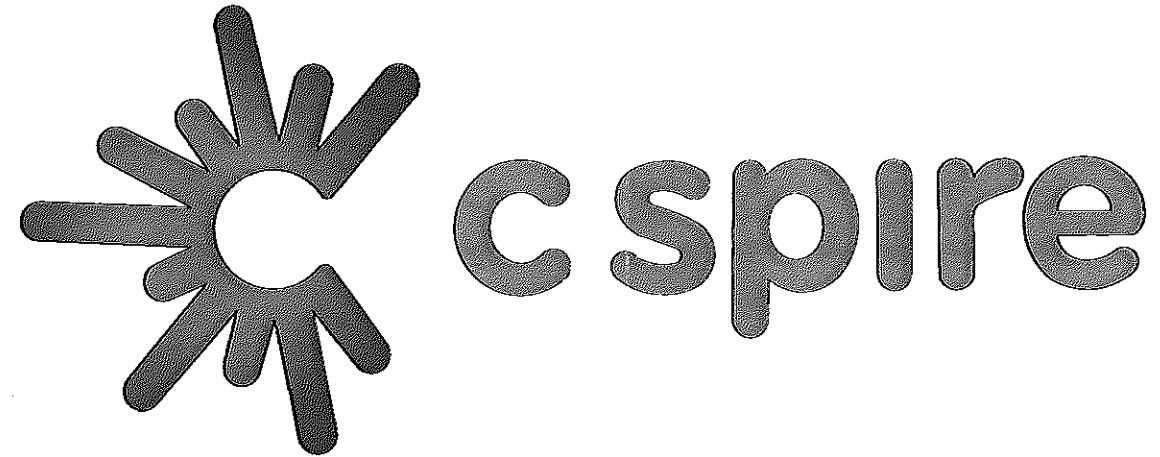
AGREED TO AND APPROVED BY:

_____ Date: _____

Madison County Board President

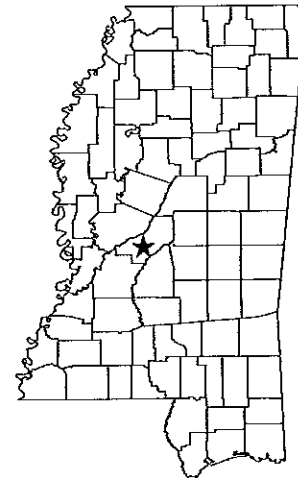
ENTERED INTO THE MINUTES OF THE BOARD OF SUPERVISORS OF MADISON
COUNTY, MISSISSIPPI OF THIS _____ DAY OF _____, 20_____.

County Engineer



ASBUILT INFORMATION

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	

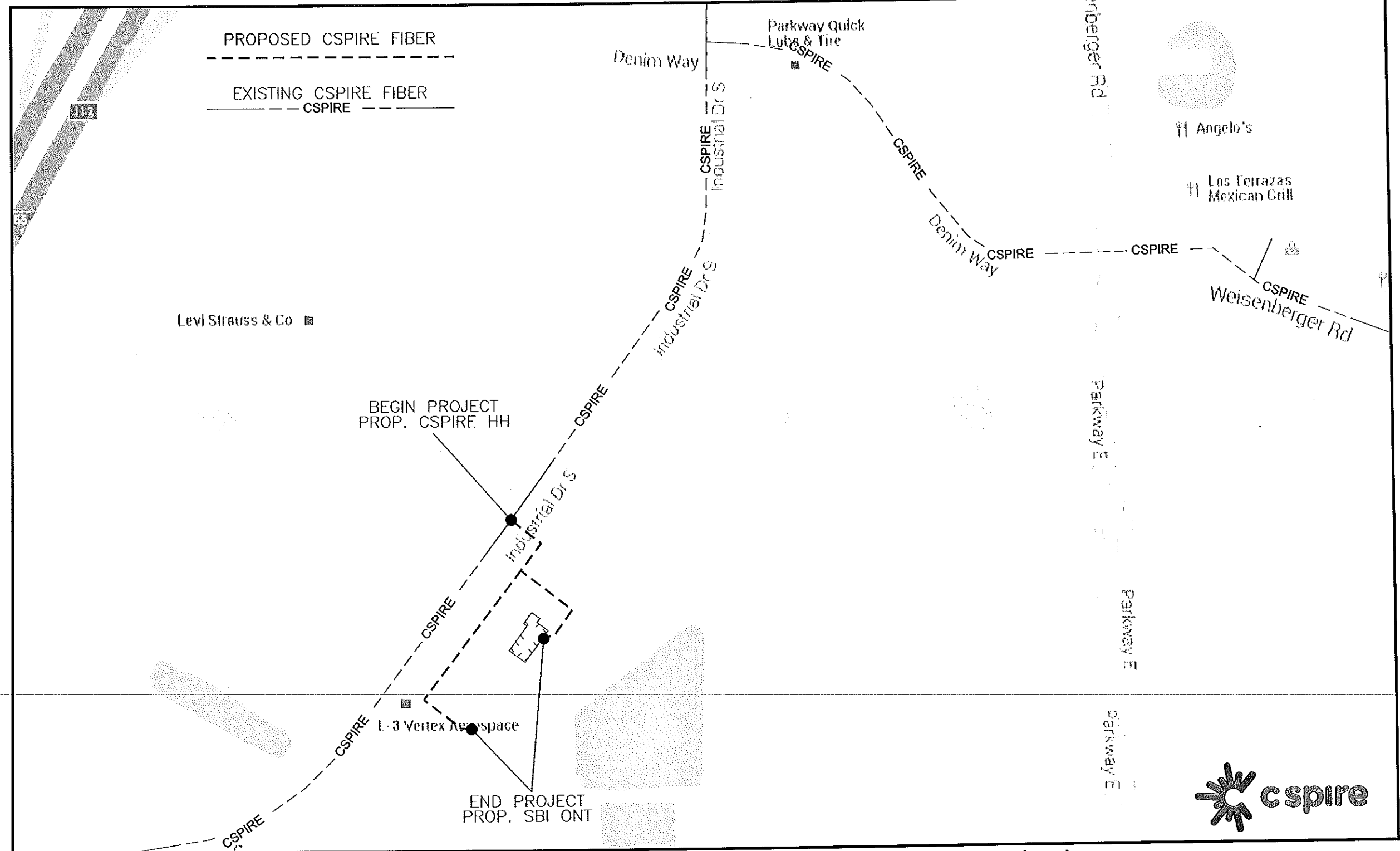
SBI-CRDN of Central & Southern MS
NVSBI.OSP.11139
CSF.OSFPMS-MADCTY.MS

SBI-Thweat Construction Inc
NVSBI.OSP.11140
CSF.OSFPMS-MADCTY.MS

PROPOSED FIBER BUILD
SBI-CRDN of Central & Southern MS
&
SBI-Thweat Construction Inc
2-25-16

PREPARED BY
 **cspire**
1018 HIGHLAND COLONY PARKWAY
SUITE 340
RIDGELAND, MISSISSIPPI 39157
1-800-342-3716

ROUTE MAP



SBI-CRDN of Central & Southern MS & SBI-Thweat Construction Inc

CONSTRUCTION NOTES:

- ALL CONDUIT WILL BE 4" ID SCHEDULE 40 (ie. PVC OR BSP/GSP, MANUFACTURED SPLIT PVC OR SPLIT BSP/GSP), UNLESS SPECIFIED OTHERWISE.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. CALL ONE CALL SYSTEM @ 1-800-227-6477.
- 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.
- SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.
- 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.
- MECHANICAL PROTECTION SHALL BE REQUIRED ANYTIME A 36" MINIMUM COVER IS UNOBTAINABLE UNLESS SPECIFIED OTHERWISE ON THE CONSTRUCTION DRAWINGS.
- 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.
- OPERATIONS PERSONNEL TO BE CONTACTED BY THE CONTRACTOR 48 HOURS PRIOR TO CONSTRUCTION.
- ALL STATIONING IS BASED ON AS-BUILT INFORMATION, THEREFORE SOME VARIANCE SHOULD BE ANTICIPATED, ADJUST AS NEEDED.
- RAILROAD COMMUNICATION AND SIGNAL CABLES TO BE LOCATED PRIOR TO CONSTRUCTION ACTIVITY. RAILROAD TO BE GIVEN 48 HOURS NOTICE PRIOR TO CONSTRUCTION
- ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 24" MINIMUM BELOW THE LOWEST POINT OF EXISTING CITY UTILITY BEING CROSSED.
- ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 48" MINIMUM BELOW ALL CITY & OR SURFACE STREET(S) WHERE NO UTILITY IS CROSSED.
- 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:

- ALL WORK TO BE DONE WITH EXTREME CAUTION, FIBER OPTIC CABLE CARRYING TRAFFIC AND LOSS OF SERVICE WILL RESULT IN LOSS OF REVENUE.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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

DEFINITION

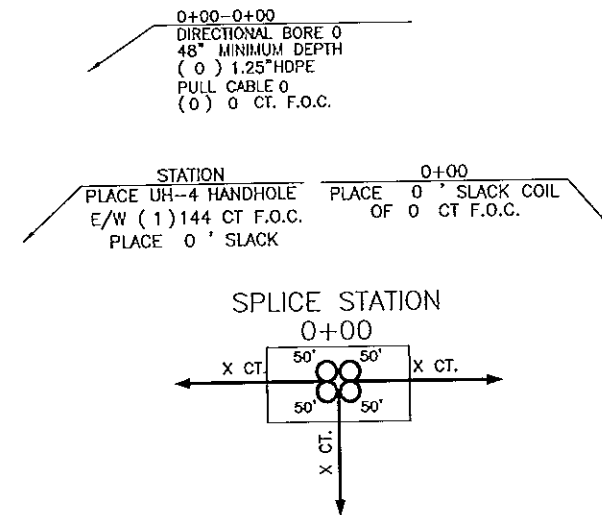
SYMBOL

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

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



FILE NAME T-01	
PROJECT CITY - MADISON, MS	
FULL FILENAME T-01.dwg	
DATE 02-25-16	DESCRIPTION CONSTRUCTION
SHEET 1	DRAWN BY D.SANDERS
SCALE 1"=50'	PAGE 1

REVISIONS			
REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST		
ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DR-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		

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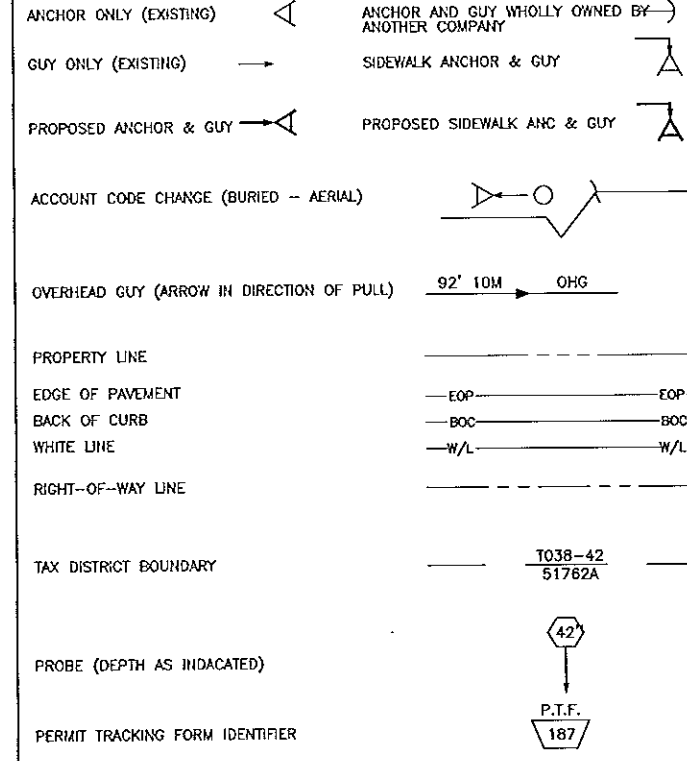
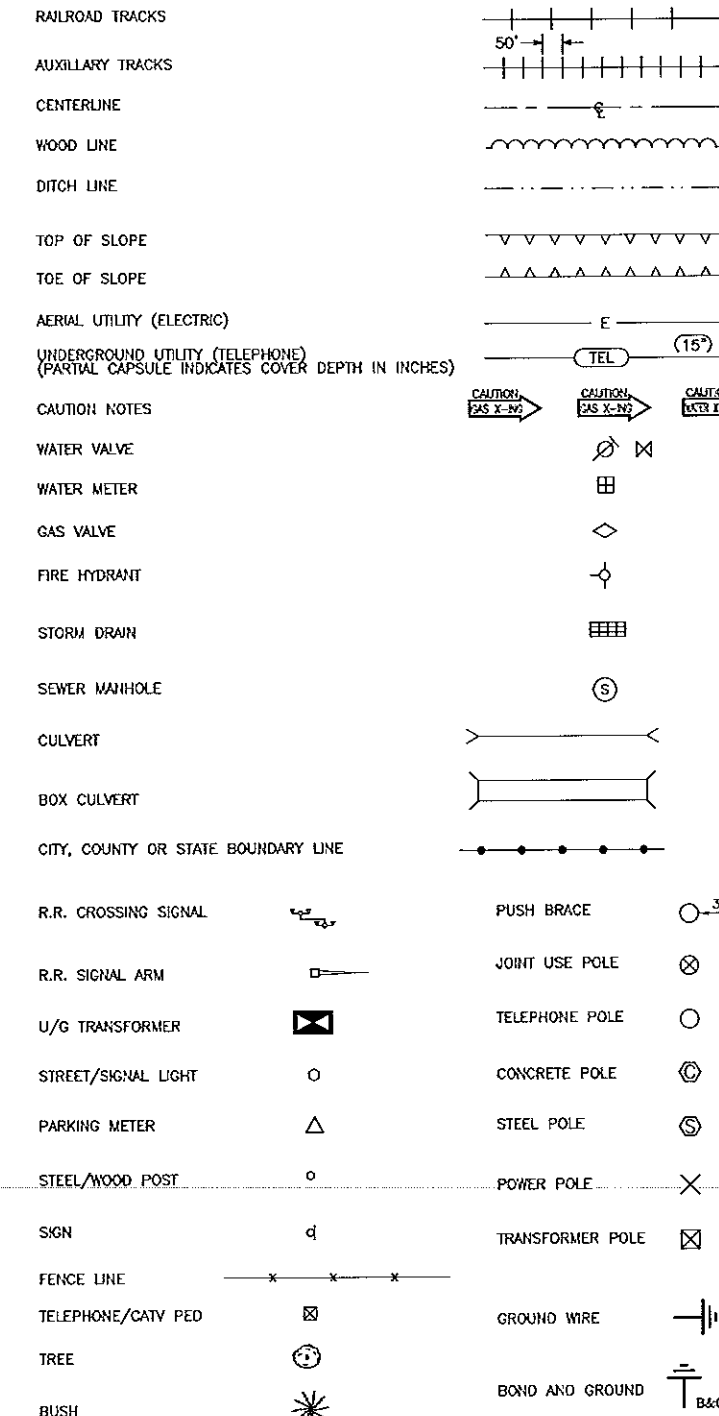
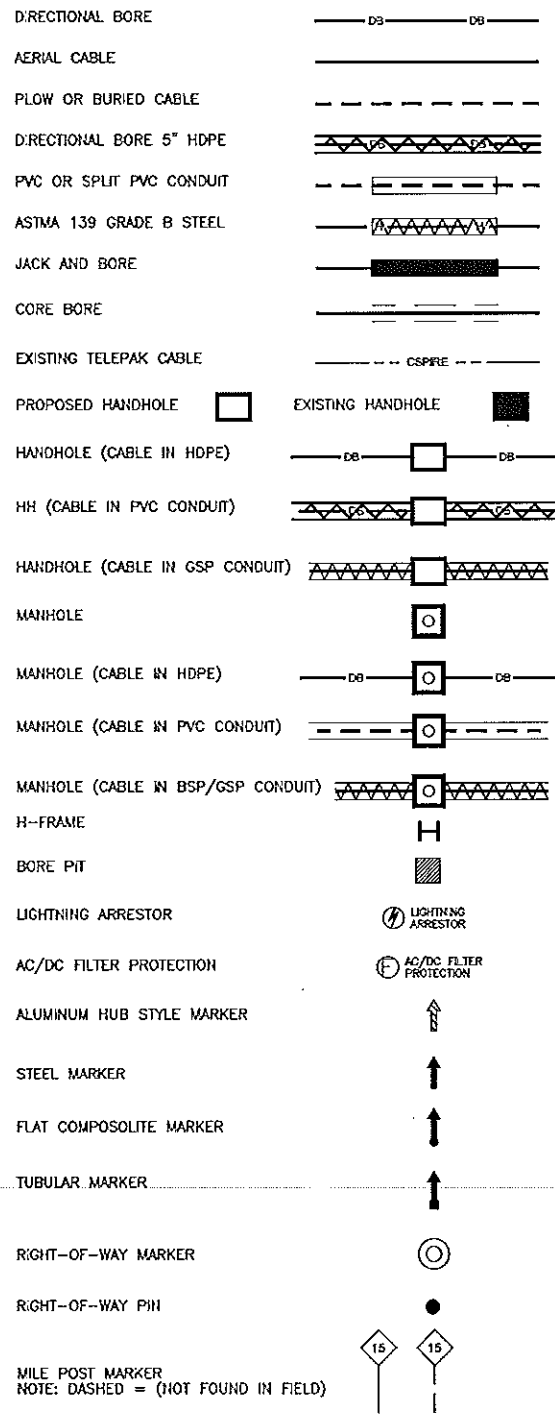
MAP NUMBER	

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

MADISON, MS
MADISON COUNTY

SYMBOLS KEY



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
TS/G	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 -	MADISON, MS
FULL FILENAME	T-02.dwg
DATE	02-25-16
DESCRIPTION	CONSTRUCTION
SHEET	2
DRAWN BY	D.SAUNDERS
SCALE	1"=50'
PAGE	2

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DR-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

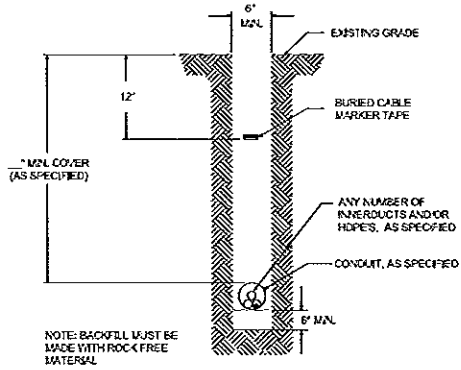
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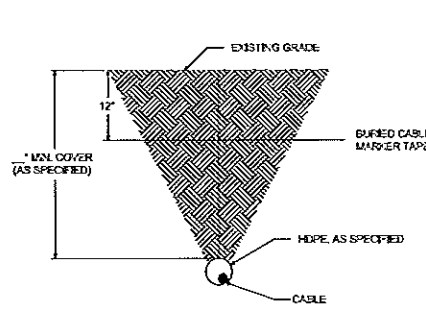
NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
 ONE CALL SYSTEM 1-800-227-6477

PLACEMENT-TYPICALS

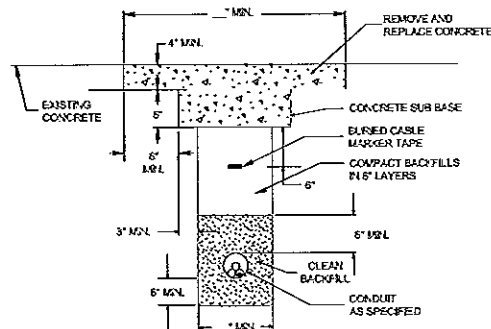
TYPICAL DETAIL "A"
PLACE CONDUIT
CROSS SECTION



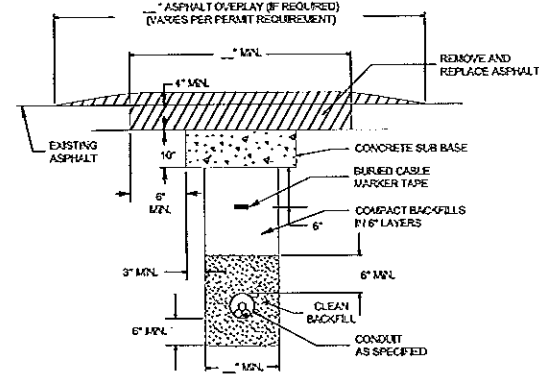
TYPICAL DETAIL "B"
PLACE HDPE CROSS
SECTION



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

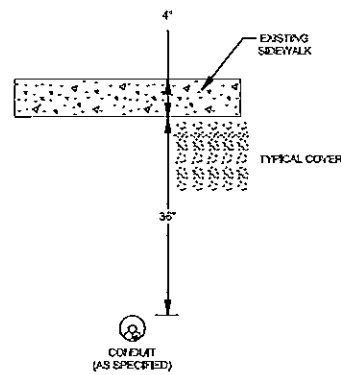


TYPICAL DETAIL "D"
ASPHALT/PAVEMENT OPEN CUT
CROSS SECTION

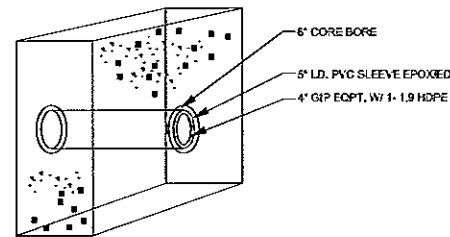


OPEN CUT-TYPICALS

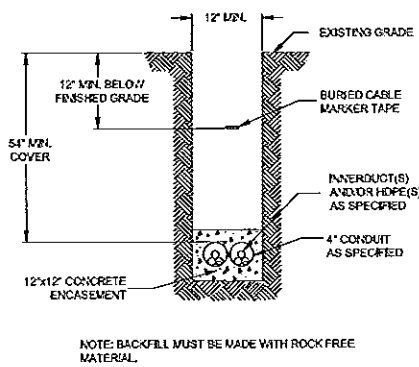
TYPICAL DETAIL "E"
BORE CONCRETE SIDEWALK



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



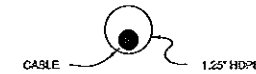
TYPICAL DETAIL "G"
12"x12" CONCRETE ENCASUREMENT



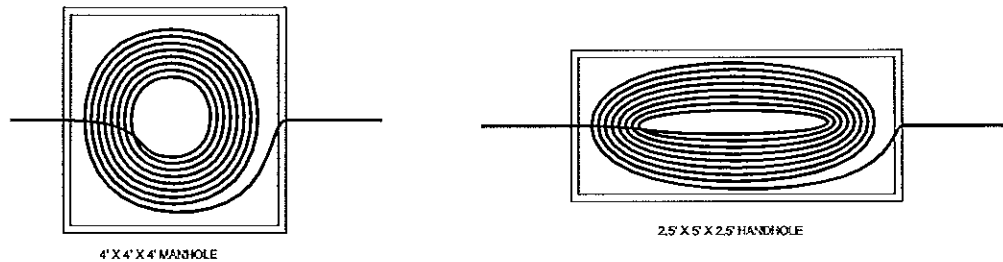
TYPICAL DETAIL "H"
PLACE (2) 1.25" HOPE IN CONDUIT



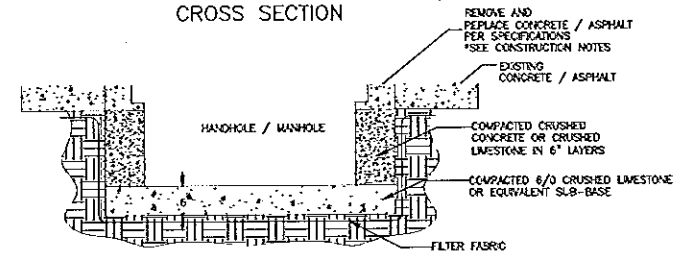
TYPICAL DETAIL "I"
PLACE CABLE IN HOPE



TYPICAL DETAIL "J"
MANHOLE & HANDHOLE SLACK COIL DETAIL



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



FILE NAME T-03
PROJECT CITY - MADISON, MS
FULL FILENAME T-03.dwg
DATE 02-25-16 DESCRIPTION CONSTRUCTION
SHEET 3 DRAWN BY D.SANDERS
SCALE 1"=50' PAGE 3

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DR-BORE CABLE	0'
3	PULL CABLE	0'
4	BURIED SLACK	0'
5	1.25" HOPE	0'
6	5" HOPE 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		

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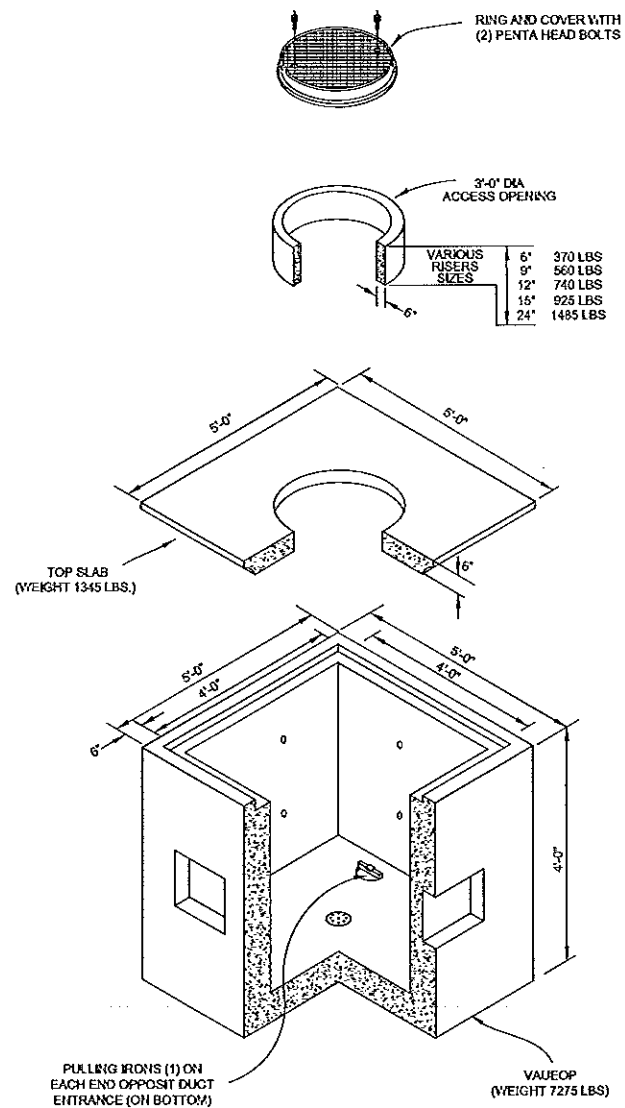
MAP NUMBER
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MADISON, MS
MADISON COUNTY

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 - MADISON, MS

FULL FILENAME T-04.dwg

DATE 02-25-16	DESCRIPTION CONSTRUCTION
SHEET 4	DRAWN BY D.SAUNDERS
SCALE 1"=50'	PAGE 4

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DRI-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



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MAP NUMBER

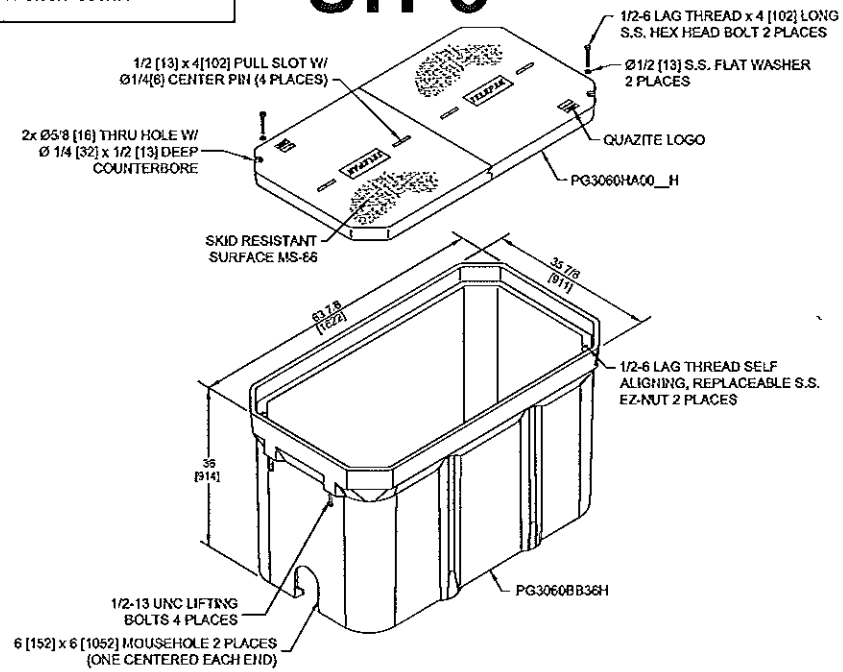
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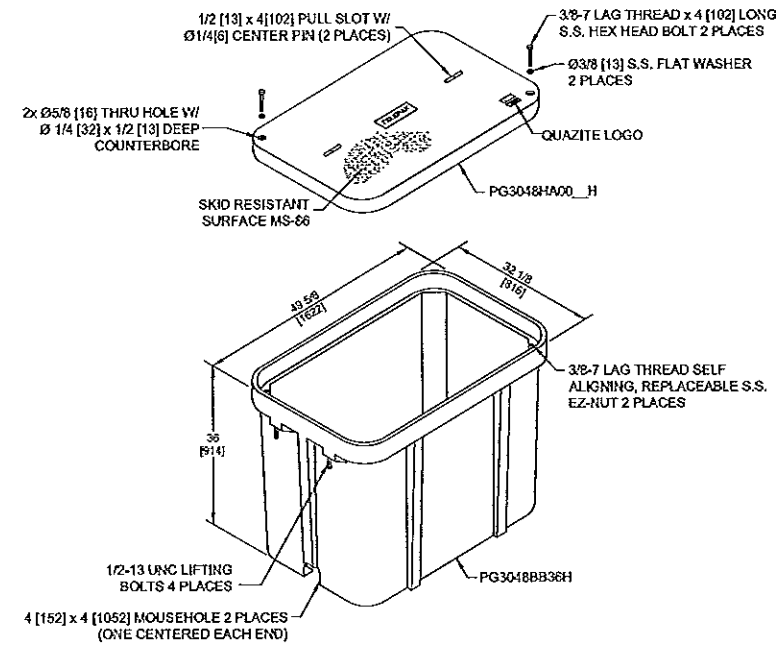
NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 1-800-227-6477

MADISON, MS
MADISON COUNTY

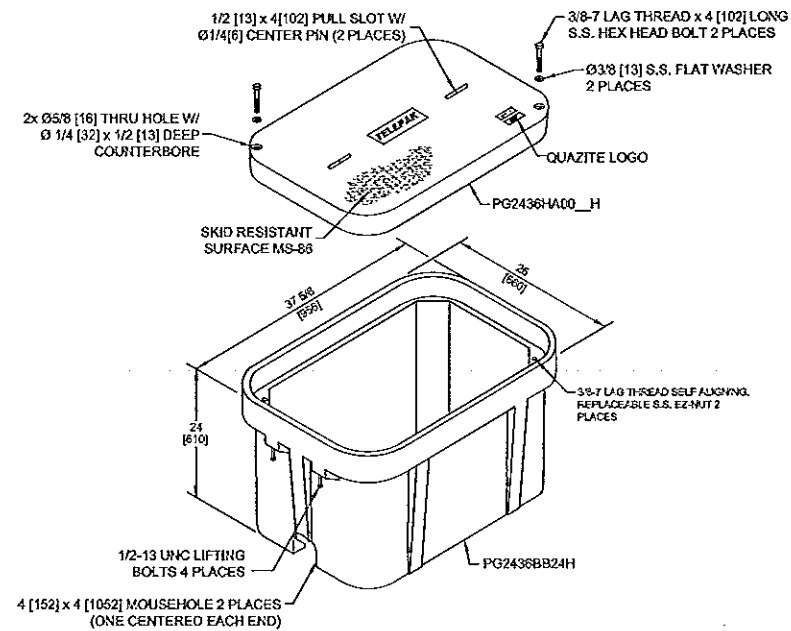
UH-5



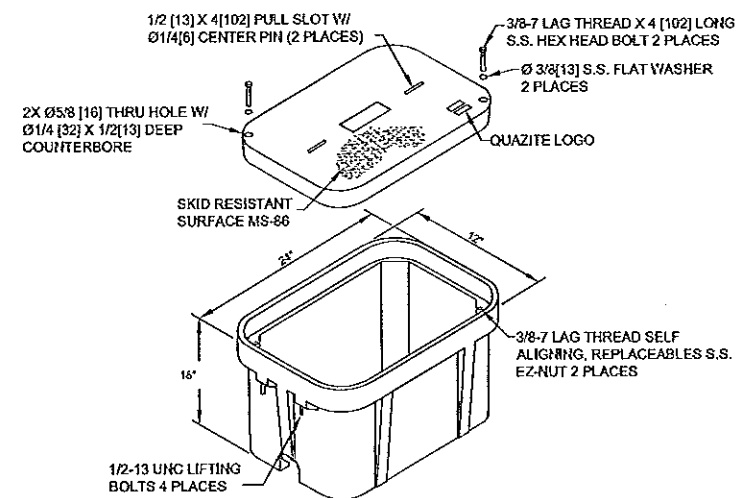
UH-4



UH-3



UH-2



FILE NAME T-05
PROJECT CITY - MADISON, MS
FULL FILENAME T-05.dwg
DATE 02-25-16 DESCRIPTION CONSTRUCTION
SHEET 5 DRAWN BY D.SANDERS
SCALE 1"=50' PAGE 5

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DR-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

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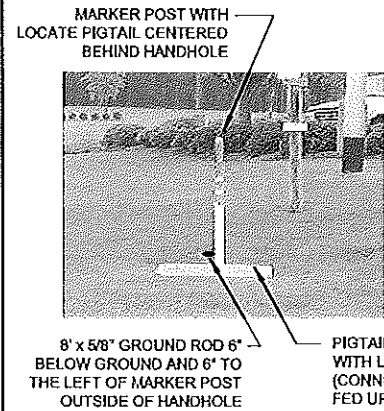
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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM © 1-800-227-6477

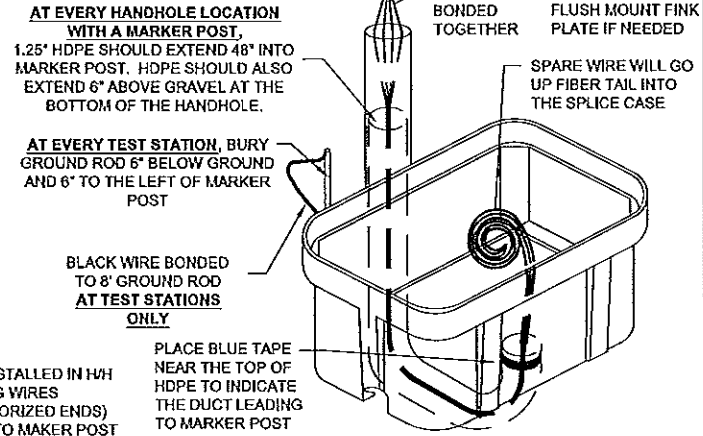
MADISON, MS
MADISON COUNTY

TYPICAL HAND HOLE INSTALLATION



MARKER POST WITH LOCATE PIGTAIL CENTERED BEHIND HANDHOLE

8" x 5/8" GROUND ROD 6" BELOW GROUND AND 6" TO THE LEFT OF MARKER POST OUTSIDE OF HANDHOLE



AT EVERY HANDHOLE LOCATION WITH A MARKER POST, 1.25" HDPE SHOULD EXTEND 48" INTO MARKER POST. HDPE SHOULD ALSO EXTEND 6" ABOVE GRAVEL AT THE BOTTOM OF THE HANDHOLE.

AT EVERY TEST STATION, BURY GROUND ROD 6" BELOW GROUND AND 6" TO THE LEFT OF MARKER POST

CRIMPED AND BONDED TOGETHER
MARKER POLE OR FLUSH MOUNT FINK PLATE IF NEEDED

SPARE WIRE WILL GO UP FIBER TAIL INTO THE SPLICE CASE

BLACK WIRE BONDED TO 8" GROUND ROD AT TEST STATIONS ONLY

PLACE BLUE TAPE NEAR THE TOP OF HDPE TO INDICATE THE DUCT LEADING TO MARKER POST

- NOTES:**
- THIS ASSEMBLY IS RATED FOR A STATIC DESIGN LOAD OF 15,000 LBS. (66,720 N) OVER A 10 [254] X 10 [254] AREA AND MUST PASS A MIN. STATIC TEST LOAD OF 22,500 LBS. (100,085 N).
 - ALL ENCLOSURES, BOXES AND COVERS, ARE REQUIRED TO CONFORM TO ALL TEST PROVISIONS OF ANSIS/CTE 77 2007 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY" AS MANUFACTURED BY QUAZITE OR EQUIVALENT WITH TELEPAK NETWORKS ENGINEER'S SIGNED APPROVAL. THE COVERS MUST BE RATED FOR TIER 15 APPLICATIONS AND BOXES RATED FOR TIER 22 APPLICATIONS AND IN NO ASSEMBLY CAN THE COVER DESIGN LOAD EXCEED THE DESIGN LOAD OF THE BOX. ALL COMPONENTS IN AN ASSEMBLY (BOX & COVER) ARE MANUFACTURED USING MATCHED SURFACE TOOLING. ALL COVERS ARE REQUIRED TO HAVE A MINIMUM COEFFICIENT OF FRICTION OF 0.60 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 ASSEMBLIES.

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

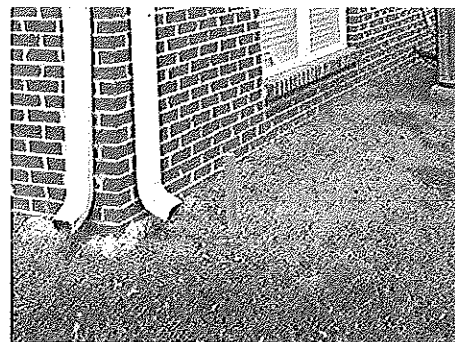
HANDHOLES ARE TO BE INSTALLED A MINIMUM OF THREE FEET FROM ANY UTILITY OR POWER POLE.

BOXES (Nestable)

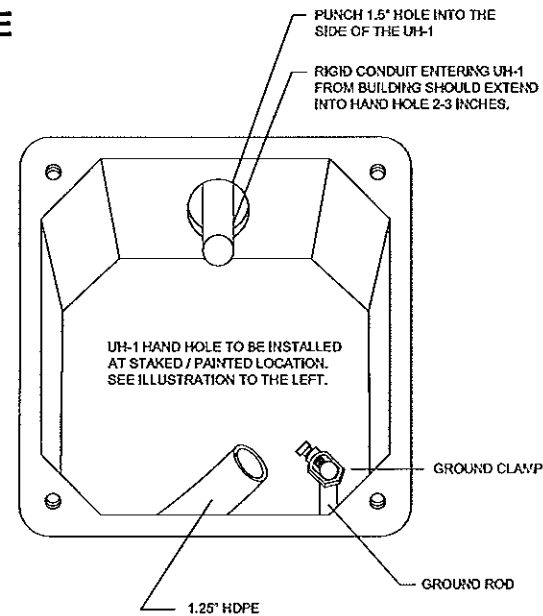
DESCRIPTION	PART NO.	WEIGHT	DESIGN/TEST LOAD#
UH-5 30x60x36	PG3060Z501	933# 423KG.	15'000 LBS
UH-4 30x48x36	PG3048Z679	563# 255KG.	15'000 LBS
UH-3 24x36x24	PG2436Z905	284# 129KG.	15'000 LBS

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

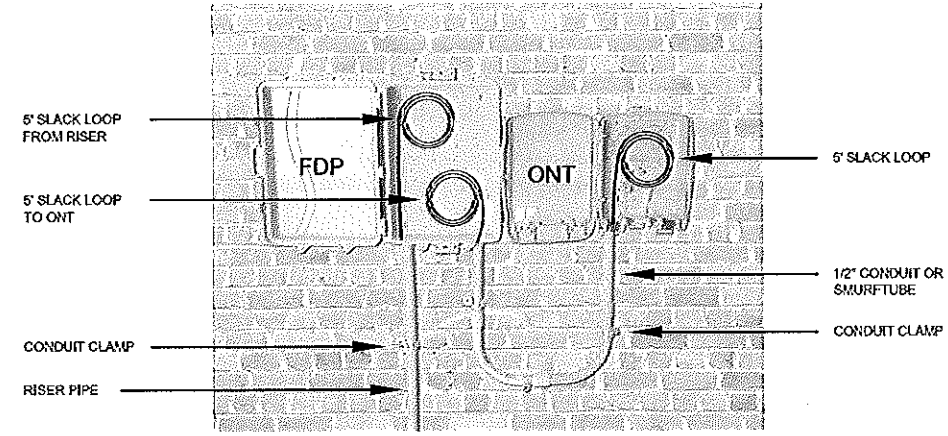
TYPICAL UH-1 / UH-2 HAND HOLE INSTALLATION PROCEDURES AT BUILDING ENTRIES



UH-1 / UH-2 INSTALLATION LOCATION WILL BE MARKED BY A STAKE AND/OR PAINT. CSPIRE/OSP WILL INSTALL CONDUIT 8" UNDERGROUND TO DESIRABLE UH-1 LOCATION.

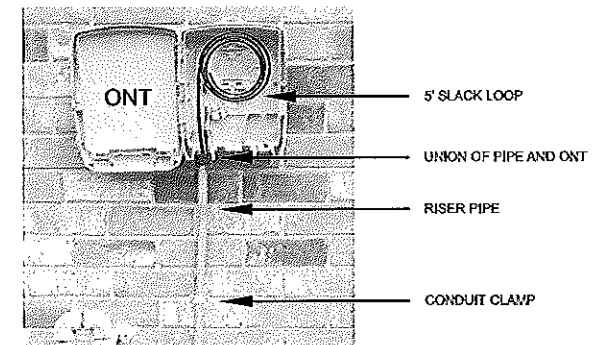


TYPICAL FDP & ONT OUTDOOR INSTALLATION PROCEDURES AT BUILDING ENTRIES



- ONT & FDP INSTALLATION LOCATION WILL BE SHOWN ON THE CONSTRUCTION DRAWINGS. MOUNT ONT AS CLOSE TO THE POWER METER AS POSSIBLE
- 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 4' RISER PIPE TO THE WALL USING SHOWN CONDUIT CLAMPS.
- JOIN RISER PIPE TO FDP AT SHOWN LOCATION & MOUNT FDP TO THE WALL.
- MOUNT ONT LEAVING ENOUGH SPACE BETWEEN FDP & ONT SO THE COVER MAY OPEN FULLY AS SHOWN
- PLACE 1/2" CONDUIT FROM FDP TO ONT.
- PLACE FIBER FROM DUCT INTO RISER PIPE AND INTO FDP LEAVING A 5' SLACK LOOP.
- WITH A SEPARATE 12CT FIBER, LEAVE A 5' SLACK LOOP IN THE FDP AND ENTER THE CONDUIT TO 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



- ONT INSTALLATION LOCATION WILL BE SHOWN ON THE CONSTRUCTION DRAWINGS. MOUNT ONT AS CLOSE TO THE POWER METER AS POSSIBLE
- 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 4' 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.



FILE NAME	T-06
PROJECT CITY	MADISON, MS
FULL FILENAME	T-06.dwg
DATE	02-25-16
DESCRIPTION	CONSTRUCTION
SHEET	6
DRAWN BY	D.SAIDERS
SCALE	1"=50'
PAGE	6

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DR-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		

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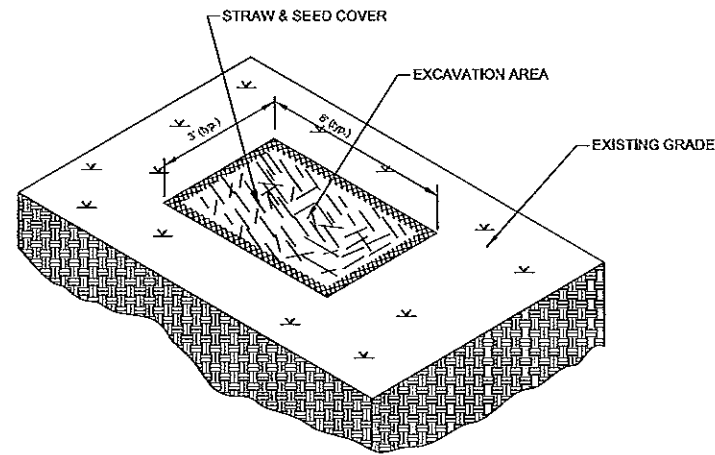
MAP NUMBER

DISCLAIMER

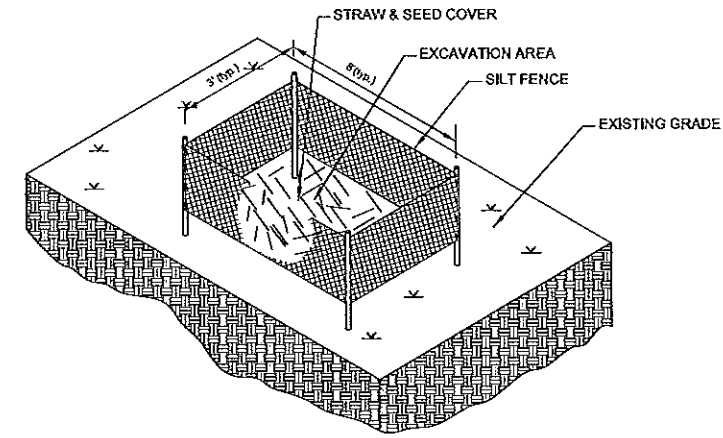
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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 1-800-227-6477

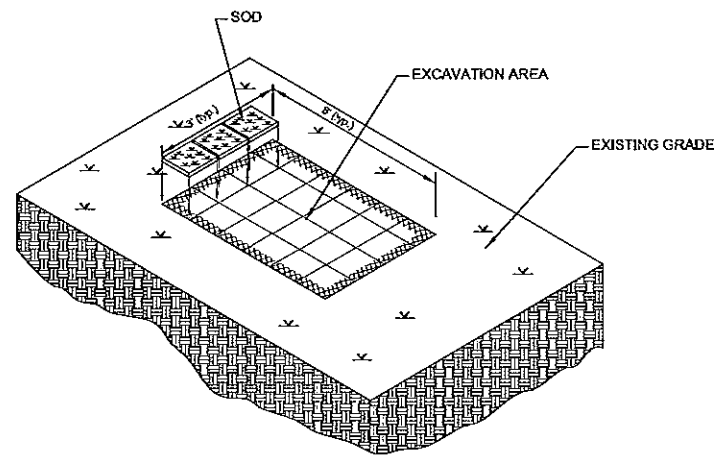
MADISON, MS
MADISON COUNTY



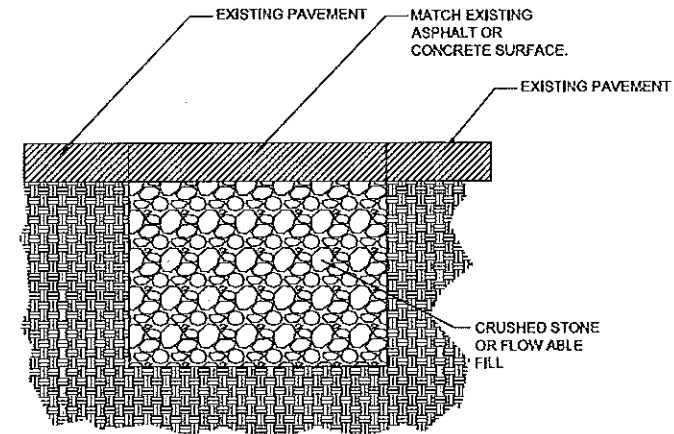
TYPICAL EROSION DETAIL #1
NOTE TO CONSTRUCTION:
WHERE APPLICABLE
RE-COMPACT SOIL AROUND
HANDHOLES AND BOREPITS
USE HAY AND SEED COVER
FOR EROSION CONTROL.



TYPICAL EROSION DETAIL #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 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 PAVEMENT REPAIR
DETAIL #4
NOTE TO CONSTRUCTION:
RE-COMPACT EFFECTED
AREAS WITH CRUSHED
STONE OR FLOWABLE FILL.
MATCH EXISTING PAVEMENT
SURFACE.



FILE NAME T-07	
PROJECT CITY - MADISON, MS	
FULL FILENAME T-07.dwg	
DATE 02-25-16	DESCRIPTION CONSTRUCTION
SHEET 7	DRAWN BY D.SANDERS
SCALE 1"=50'	PAGE 7

REVISIONS			
REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST		
ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	0'
2	DR-BORE CABLE	0'
3	PULL CABLE	0'
4	BURED 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		

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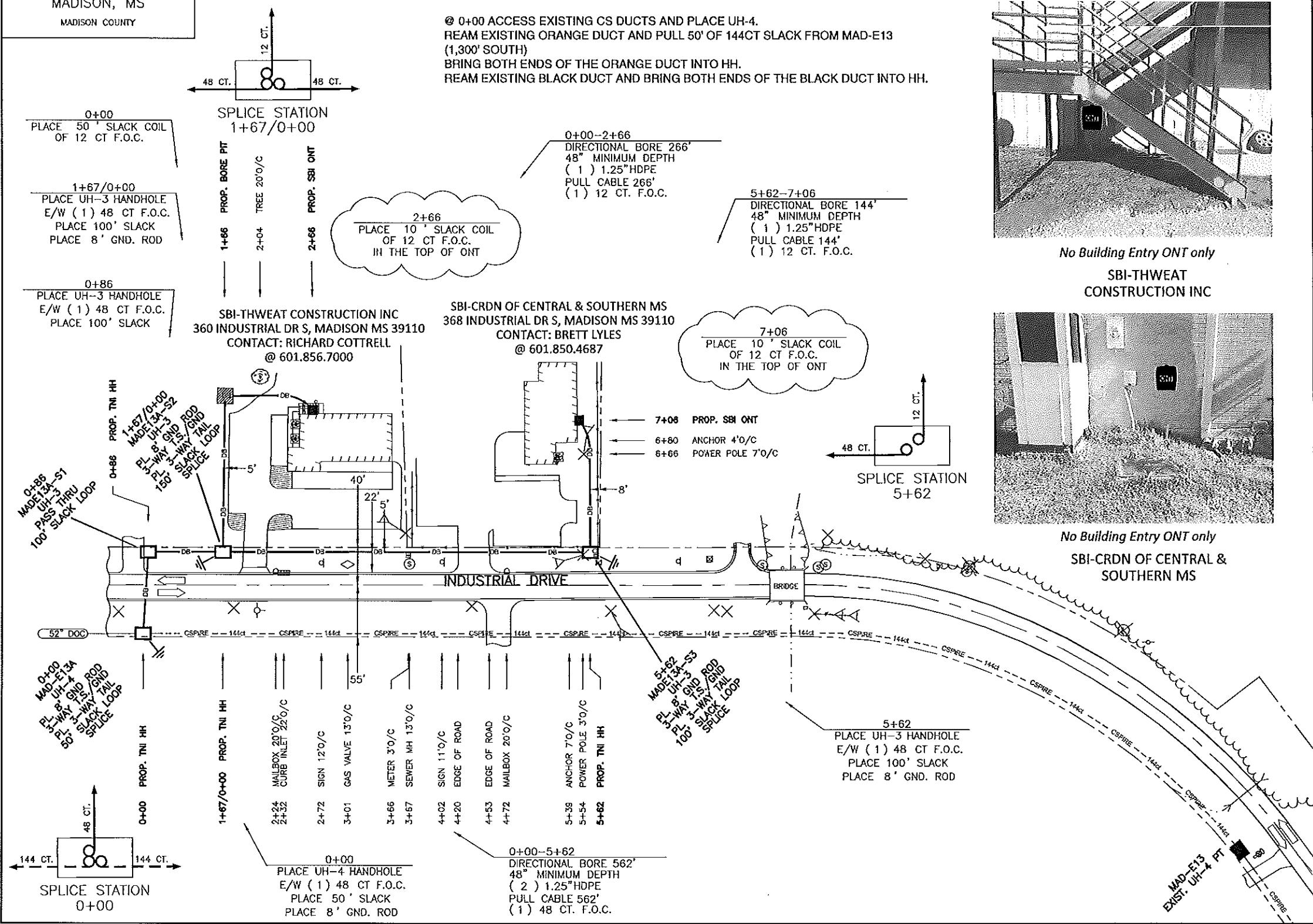
PREPARED FOR
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MAP NUMBER

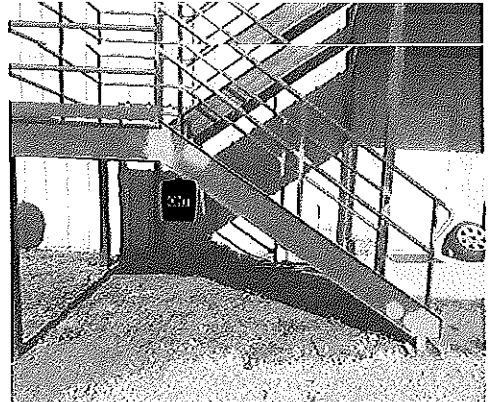
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NOTIFY ALL UTILITIES 72 HOURS PRIOR
TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM © 1-800-227-6477

MADISON, MS
MADISON COUNTY



@ 0+00 ACCESS EXISTING CS DUCTS AND PLACE UH-4.
REAM EXISTING ORANGE DUCT AND PULL 50' OF 144CT SLACK FROM MAD-E13 (1,300' SOUTH)
BRING BOTH ENDS OF THE ORANGE DUCT INTO HH.
REAM EXISTING BLACK DUCT AND BRING BOTH ENDS OF THE BLACK DUCT INTO HH.



No Building Entry ONT only
SBI-THWEAT
CONSTRUCTION INC



No Building Entry ONT only
SBI-CRDN OF CENTRAL &
SOUTHERN MS



FILE NAME CRD-001	
PROJECT CITY - MADISON, MS	
FULL FILENAME CRD-001.dwg	
DATE 03-01-16	DESCRIPTION CONSTRUCTION
SHEET 001	DRAWN BY D.SANDERS
SCALE 1"=100'	PAGE 001

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TOTAL CABLE FT.	1392'
2	DR-BORE CABLE	972'
3	PULL CABLE	0'
4	BURIED SLACK	420'
5	1.25" HDPE	1534'
6	5" HDPE CASING	0'
7	HANDHOLES	4
8	MANHOLES	0
9	SPLICE CLOSURE	3
10	H-POSTS	0
11	GROUND RODS	3
12	AERIAL CABLE	0'
13	RESERS	0
14		

PREPARED BY



PREPARED FOR



MAP NUMBER

001

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