

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

3137 South Liberty Street, Canton, MS 39046
Office (601) 855-5582 FAX (601) 859-5857

MEMORANDUM

October 17, 2024

To: Casey Brannon, Supervisor, District I
Trey Baxter, Supervisor, District II
Gerald Steen, Supervisor, District III
Karl Banks, Supervisor, District IV
Paul Griffin, Supervisor, District V

From: Tim Bryan, P.E., PTOE
County Engineer

Re: Telepak Networks/D.B.A.Cspire Utility Permit
County Road Name, Porter Ridge Drive

The Engineering Department recommends approval of the permit application for Telepak Networks/D.B.A. Cspire for construction of underground fiber-optic internet utility, by method of directional bore, within the right of way county-maintained road name, Porter Ridge Drive.



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

Utility Information: Utility Name: _____

Address: _____ City/State/Zip: _____

Contact Person: _____ Contact's Phone: _____

Project Information: County Road Name: _____
(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: _____

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 II-2-8, Accommodation of Utilities on Rights-of-Way*, issued by the State Aid Engineer and dated July 1, 2005.

The Applicant Utility understands and agrees that, except as herein granted, no right, title, claim, or easement to said road right-of-way is granted by the issuance of this permit. If this Utility is listed in the general provisions of the Policy, it will be adjusted to comply with same without cost to the County, unless the variance from the Policy has been approved by the granting of the Permit pursuant to this Application.

The Applicant Utility further understands that the Utility's engineering, plant, or other personnel will be responsible for the staking and construction supervision of the work set out above and as shown on the attached plans. If work impacts traffic in any way, the appropriate traffic control shall be installed per the *Manual of Uniform Traffic Control Devices*, Latest Edition.

The Applicant Utility understands that the County Engineer, or his representative, may issue a Stop Work Order at any time if it is deemed that site conditions are not suitable for construction or if any of the requirements of this permit are not being met.

Many County Roads have variable Rights-of-Way and/or no Right-of-Way at all and are maintained under a Prescriptive Easement. It is the sole responsibility of the Applicant Utility to verify the existence and limits of public rights-of-way. If none exists, it is the

responsibility of the Applicant Utility to acquire an easement for their Facilities from the applicable property owner(s). Madison County in no way verifies the limits of Right-of-Way as shown on the permit application.

The Applicant Utility shall be responsible for all future maintenance and repair of the facilities installed under this permit. The Applicant Utility shall make future adjustments to, or relocate, the facilities located within road or highway right-of-way when required for road or highway widening or other road or highway construction at no cost to Madison County. The Applicant Utility shall relocate said utilities within sixty (60) days of notification by County by registered mail, return receipt requested, unless otherwise designated by the County Engineer. Further, any maintenance, repair, or construction shall be done in such a manner as to occasion no unreasonable interference with the normal flow and safety to traffic and at the expense of the utility company. When reasonable care has been taken to locate said utility facilities within the right-of-way, the Applicant Utility understands that any damages caused by routine maintenance and construction by County forces shall be borne by the Applicant Utility.

The Applicant Utility further agrees to indemnify and hold Madison County harmless for any and all claims, accidents, damages, liabilities and expenses occasioned wholly, or in part, by any act or omission of applicant, its agents or employees. In case County shall, without fault on its own part, be made a party to any litigation commenced by or against applicant, then applicant shall protect and hold County harmless, and shall pay all costs, expenses and reasonable attorney's fees incurred or paid by County in connection with said litigation.

All underground facilities shall be installed at a depth equal to or greater than 48" below the lowest adjacent grade.

All pipes carrying liquid shall be encased under County maintained roads.

WITNESS the signature of the Applicant this the _____ day of _____, 20_____.

By: _____
(Applicant Signature)

Title: _____

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

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

APPROVED
By: **By timothy.bryan at 9:13 am, Oct 18, 2024**

Tim Bryan, P.E.
County Engineer

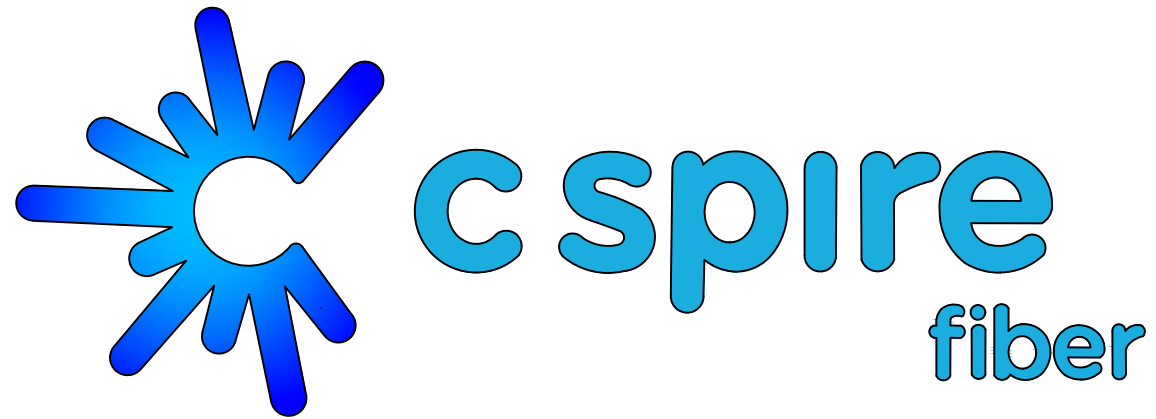
AGREED TO AND APPROVED BY:

Madison County Board President

Date: _____

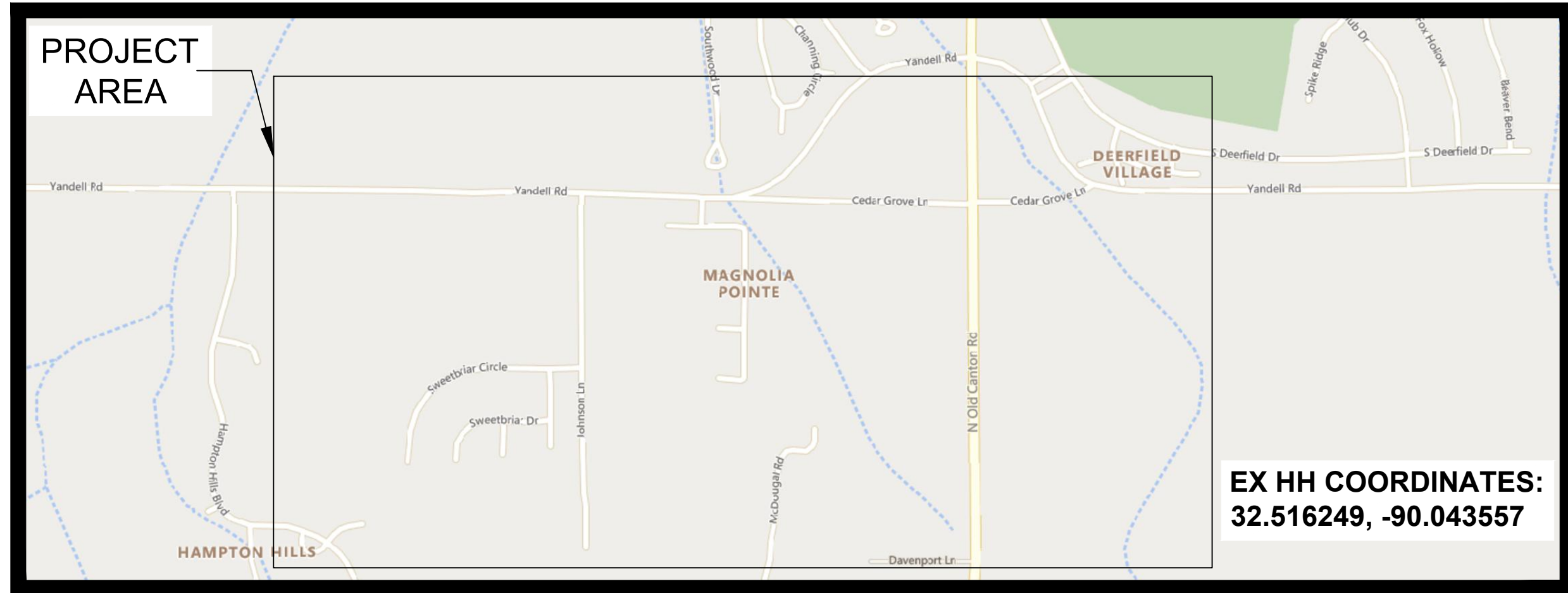
ENTERED INTO THE MINUTES OF THE BOARD OF SUPERVISORS OF MADISON COUNTY, MISSISSIPPI ON THIS

_____ DAY OF _____, 20_____.



MAGNOLIA POINTE ADDITION

CITY OF CANTON
 MADISON COUNTY, MISSISSIPPI
 10/07/24



PERMITS REQUIRED

CITY :	N/A
COUNTY :	YES
MDOT :	N/A
FEDERAL :	N/A
RAILROAD :	N/A
PRIVATE R/W :	N/A
MISC :	N/A

HOUSE COUNT

OCCUPIED:	11
VACANT :	0
TOTAL :	11

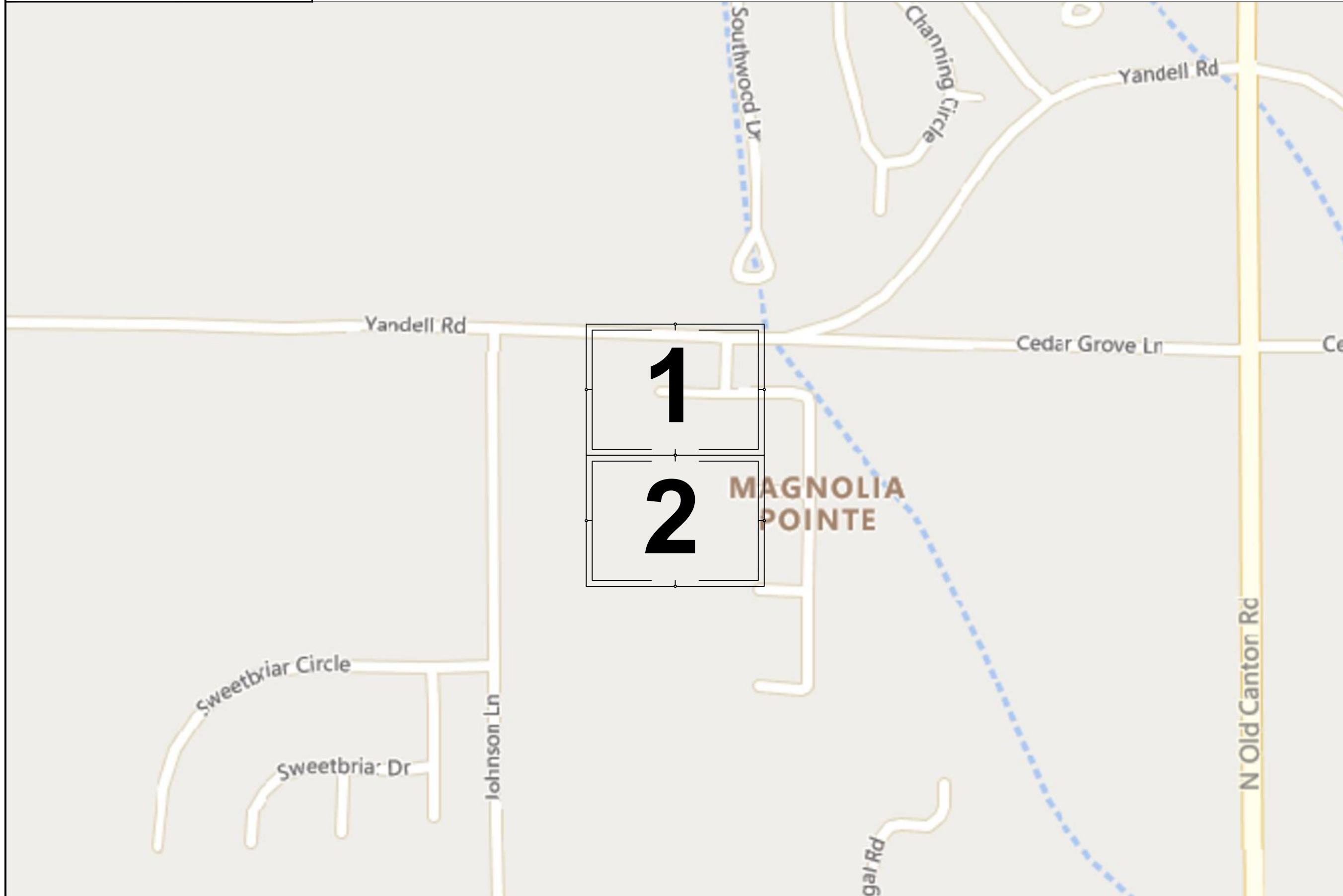
MILEAGE	0.18
LOTS PER MILE	61.11

PREPARED BY:





CANTON
MADISON COUNTY, MISSISSIPPI



JOB DESCRIPTION

PROJECT NAME MAGNOLIA POINTE ADDITION	
PROJECT CITY CANTON	
SHEET MK1	DESCRIPTION CONSTRUCTION
SCALE NTS	DRAWN BY DELTA FIBER

MATERIALS LIST

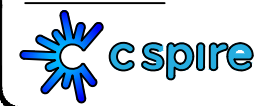
ITEM	DESCRIPTION	QTY.
1	MINI OTE 2 PORT	
2	MINI OTE 4 PORT	
3	MINI OTE 8 PORT	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT MICRO	
7	24 CT MICRO/T	
8	24 CT MICRO LOOP	
9	24 CT MICRO/T LOOP	
10	48 CT MICRO	
11	48 CT MICRO/T	
12	48 CT MICRO LOOP	
13	48 CT MICRO/T LOOP	
14	72 CT MICRO	
15	72 CT MICRO/T	
16	72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

MAP NUMBER		

PREPARED BY



PREPARED FOR



DISCLAIMER

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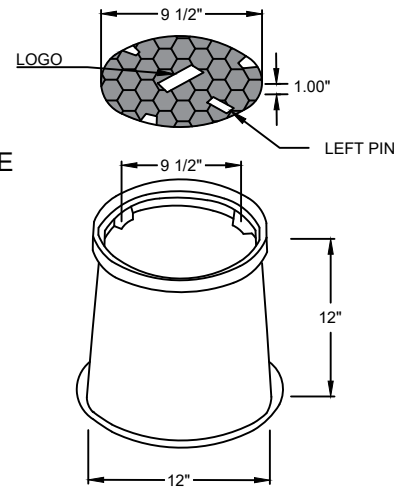
NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 1-800-227-6477



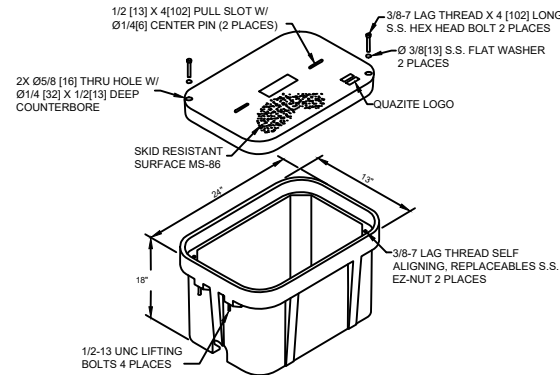
CANTON
MADISON COUNTY

FLOWER POT (9.5x12)

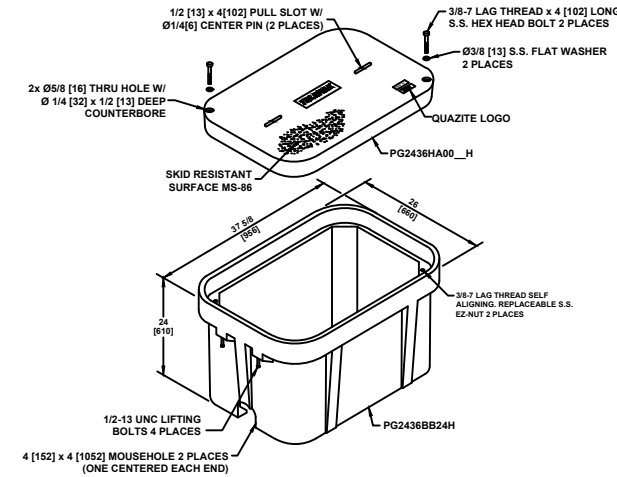
VAULT WITH
NON-ADJUSTABLE
PC RING



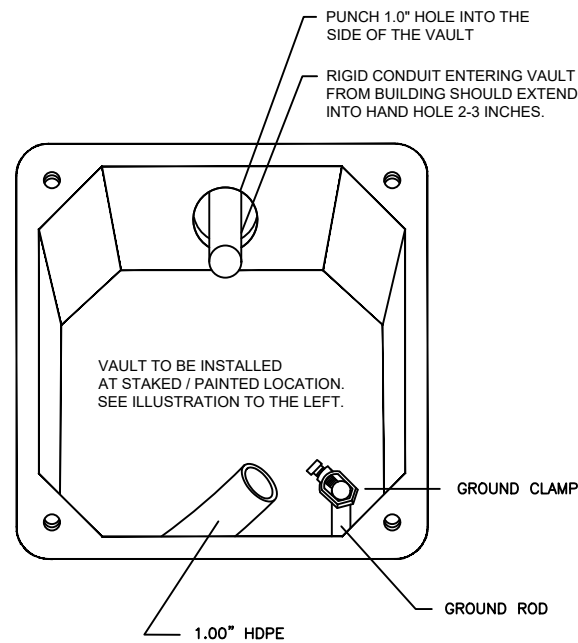
UH-2.5 (13x24x18)



UH-3 (24x36x24)

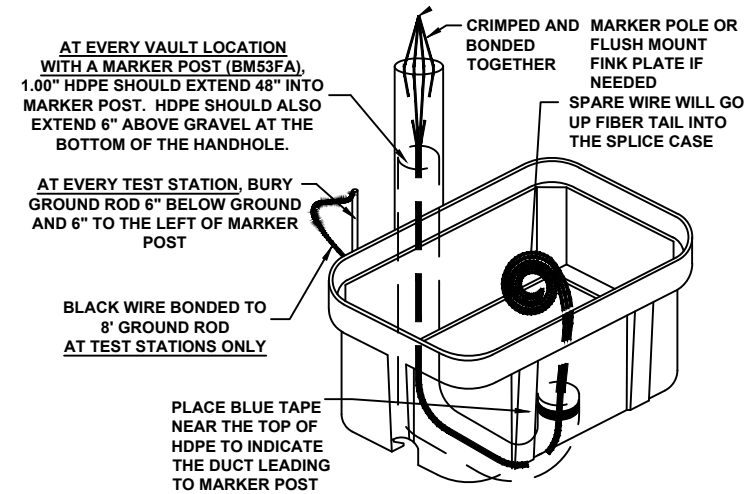


TYPICAL VAULT HAND HOLE INSTALLATION PROCEDURES AT BUILDING ENTRIES



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

TYPICAL VAULT INSTALLATION



AT EVERY VAULT LOCATION WITH A MARKER POST (BM53FA), 1.00" 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:

1. THIS ASSEMBLY IS RATED FOR A STATIC DESIGN LOAD OF 15,000 LBS. [66,720 N] OVER A 10 [254] X 10 [254] AREA AND MUST PASS A MIN. STATIC TEST LOAD OF 20,000 LBS. [100,085 N].

2. ALL ENCLOSURES, BOXES AND COVERS, ARE REQUIRED TO CONFORM TO ALL TEST PROVISIONS OF ANSI/SCTE 77 2007 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY" AS MANUFACTURED BY QUAZITE OR EQUIVALENT WITH TELEPAK NETWORK'S ENGINEER'S SIGNED APPROVAL. THE COVERS MUST BE RATED FOR TIER 15 APPLICATIONS AND BOXES RATED FOR TIER 22 APPLICATIONS AND IN NO ASSEMBLY CAN THE COVER 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 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	DESIGN/TEST LOAD#
VAULT 24x36x24	20,000 LBS
VAULT 13x24x18	20,000 LBS
VAULT (ROUND) 9.5x12	20,000 LBS

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

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

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

JOB DESCRIPTION

PROJECT NAME MAGNOLIA POINTE ADDITION	
PROJECT CITY CANTON	
SHEET TYPICALS	DESCRIPTION CONSTRUCTION
SCALE NTS	DRAWN BY DELTA FIBER

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	MINI OTE 2 PORT	
2	MINI OTE 4 PORT	
3	MINI OTE 8 PORT	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT MICRO	
7	24 CT MICRO/T	
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13	48 CT MICRO/T LOOP	
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16	72 CT MICRO LOOP	
17	72 CT MICRO/T LOOP	
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23	144 CT MICRO/T	
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50	TYCO "D" SPLICE CASE	
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53	NON-OTE SPLICES	
54	BM53FA	

MAP NUMBER	

PREPARED BY



PREPARED FOR



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CANTON
MADISON COUNTY

SYMBOLS KEY

JOB DESCRIPTION

PROJECT NAME MAGNOLIA POINTE ADDITION	
PROJECT CITY CANTON	
SHEET LEGEND	DESCRIPTION CONSTRUCTION
SCALE NTS	DRAWN BY DELTA FIBER

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52	OTE SPLICES	
53	NON-OTE SPLICES	
54	BM53FA	

MAP NUMBER	



DIRECTIONAL BORE	
AERIAL CABLE	
PLOW OR BURIED CABLE	
DIRECTIONAL BORE 5" HDPE	
PVC OR SPLIT PVC CONDUIT	
ASTMA 139 GRADE B STEEL	
JACK AND BORE	
CORE BORE	
EXISTING TELEPAK CABLE	
HANDHOLE	
HANDHOLE (CABLE IN HDPE)	
HH (CABLE IN PVC CONDUIT)	
HANDHOLE (CABLE IN GSP CONDUIT)	
FLOWER POT	
MANHOLE (CABLE IN HDPE)	
MANHOLE (CABLE IN PVC CONDUIT)	
MANHOLE (CABLE IN BSP/GSP CONDUIT)	
H-FRAME	
BORE PIT	
LIGHTNING ARRESTOR	
AC/DC FILTER PROTECTION	
ALUMINUM HUB STYLE MARKER	
STEEL MARKER	
FLAT COMPOSOLITE MARKER	
TUBULAR MARKER	
RIGHT-OF-WAY MARKER	
RIGHT-OF-WAY PIN	
MILE POST MARKER NOTE: DASHED = (NOT FOUND IN FIELD)	

RAILROAD TRACKS	
AUXILLARY TRACKS	
CENTERLINE	
WOOD LINE	
DITCH LINE	
TOP OF SLOPE	
TOE OF SLOPE	
AERIAL UTILITY (ELECTRIC)	
UNDERGROUND UTILITY (TELEPHONE) (PARTIAL CAPSULE INDICATES COVER DEPTH IN INCHES)	
CAUTION NOTES	
WATER VALVE	
WATER METER	
GAS VALVE	
FIRE HYDRANT	
STORM DRAIN	
SEWER MANHOLE	
CULVERT	
BOX CULVERT	
CITY, COUNTY OR STATE BOUNDARY LINE	
R.R. CROSSING SIGNAL	
R.R. SIGNAL ARM	
U/G TRANSFORMER	
STREET/SIGNAL LIGHT	
PARKING METER	
STEEL/WOOD POST	
SIGN	
FENCE LINE	
TELEPHONE/CATV PED	
TREE	
BUSH	
PROPERTY LINE	
EDGE OF PAVEMENT	
BACK OF CURB	
WHITE LINE	
RIGHT-OF-WAY LINE	
TAX DISTRICT BOUNDARY	
PROBE (DEPTH AS INDACATED)	
PERMIT TRACKING FORM IDENTIFIER	

PROPERTY LINE	
EDGE OF PAVEMENT	
BACK OF CURB	
WHITE LINE	
RIGHT-OF-WAY LINE	
TAX DISTRICT BOUNDARY	
PROBE (DEPTH AS INDACATED)	
PERMIT TRACKING FORM IDENTIFIER	

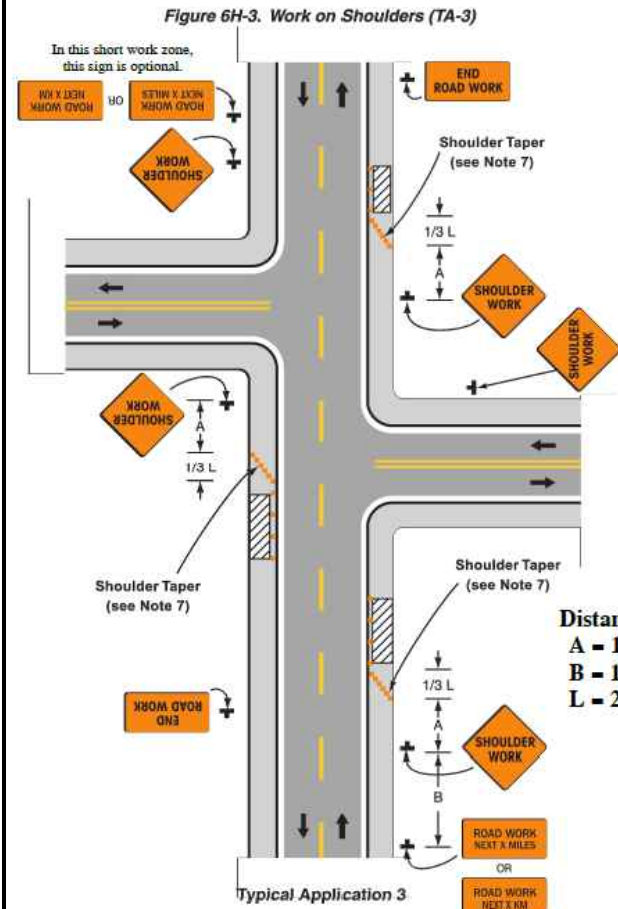
DELTA FIBER TYPICAL LINETYPES

1-1.00 HDPE	
2-1.00 HDPE	
3-1.00 HDPE	
18/14 4 WAY	
18/14 2 WAY	
EXIST PIPE	
12CT FOC	
24CT MICRO	
48CT MICRO	
72CT MICRO	
96CT MICRO	
144CT MICRO	
288CT MICRO	
24CT MICRO/T	
48CT MICRO/T	
72CT MICRO/T	
96CT MICRO/T	
144CT MICRO/T	
288CT MICRO/T	
RIGHT OF WAY	
DRIVEWAY	
EDGE OF PAVEMENT	
CENTERLINE OF ROAD	
DROPS TO HOUSES	
AERIAL IMAGES	
PROPERTY LINE	
UTILITY EASEMENT	
SIDEWALK	

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

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

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Page 6H-10

Notes for Figure 6H-3—Typical Application 3

Work on Shoulders

WORK ON SHOULDERS

GUIDANCE:

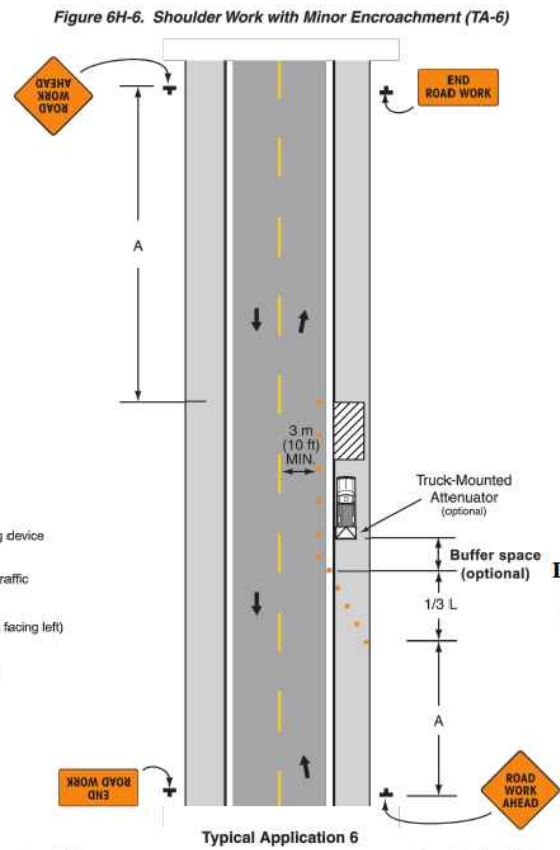
1. A SHOULDER WORK sign should be placed on the left side of the roadway for a divided or one-way street only if the left shoulder is affected.

OPTION:

2. The workers symbol signs may be used instead of SHOULDER WORK signs.
3. The SHOULDER WORK AHEAD sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.
4. For short-duration operations of 60 minutes or less, all signs and channelizing devices may be eliminated if a vehicle with activated rotating lights or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement rotating lights or strobe lights.

STANDARD:

6. Vehicle hazard warning signals shall not be used instead of the vehicle's rotating lights or strobe lights.
7. When paved shoulders having a width of 2.4 m (8ft) or more are closed, at least one advance warning sign shall be used. In addition, channelizing devices shall be used to close the shoulder in advance to delineate the beginning of the work space and direct vehicular traffic to remain within the traveled way.



Page 6H-16

Notes for Figure 6H-6—Typical Application 6

Shoulder Work with Minor Encroachment

GUIDANCE:

1. All lanes should be a minimum of 3 m (10ft) in width as measured to the near face of the channelizing devices.
 2. The treatment shown should be used on a minor road having low speeds. For higher-speed traffic conditions, a lane closure should be used.
- OPTION:**
3. For short-term use on low-volume, low-speed roadways with vehicular traffic that does not include longer and wider heavy commercial vehicles, a minimum lane width of 2.7 m (9ft) may be used.
 4. Where the opposite shoulder is suitable for carrying vehicular traffic and of adequate width, lanes may be shifted by use of closely spaced channelizing devices, provided that the minimum lane width of 3 m (10ft) is maintained.
 5. Additional advance warning may be appropriate, such as ROAD NARROWS sign.

SHOULDER WORK WITH MINOR ENCROACHMENT

6. Temporary traffic barriers may be used along with the work space.
7. The shadow vehicle may be omitted if a taper and channelizing devices are used.
8. A truck-mounted attenuator may be used on the shadow vehicle.
9. For short-duration work, the taper and channelizing devices may be omitted if a shadow vehicle with activated rotating lights or strobe lights is used.
10. Vehicle hazard warning signals may be used to supplement rotating lights or strobe lights.

STANDARD:

11. Vehicle hazard warning signals shall not be used instead of the vehicle's rotating lights or strobe lights.

CONSTRUCTION SIGNS
FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS



NOTE:
W20-1 SIGNS ARE REQUIRED WHEN SHOULDER WORK IS PERFORMED WITH MINOR ENCROACHMENT TO TRAVEL LANE OR FLAGGING OPERATIONS. SEE TCP-2, FIGURE 6H-6.

DISTANCE BETWEEN SIGNS

ROAD TYPE	A	B	C
URBAN (35 MPH OR LESS)	100 FT.	100 FT.	100 FT.
URBAN (40 - 70 MPH)	350 FT.	350 FT.	350 FT.
RURAL	500 FT.	500 FT.	500 FT.
EXPRESSWAY / FREEWAY	1000 FT.	1500 FT.	2640 FT.

NOTES:

1. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
2. SIGNS ARE ONLY REQUIRED WHILE CONTRACTOR IS WORKING. THEY SHALL BE INSTALLED PRIOR TO WORK COMMENCING EACH DAY AND REMOVED WHEN WORK IS COMPLETED AT THE END OF THE DAY.
3. SIGNS MAY BE MOUNTED ON TRIPODS. THE LOCATION AND SPACING OF SIGNS, AS SHOWN ON THESE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
4. CHANNELIZING DEVICES ARE NOT SHOWN ON THIS PLAN, BUT ARE REQUIRED AROUND ACTIVE WORK ZONES (SEE TCP-2).

JOB DESCRIPTION

PROJECT NAME MAGNOLIA POINTE ADDITION	
PROJECT CITY CANTON	
SHEET TC1	DESCRIPTION TRAFFIC CONTROL
SCALE	DRAWN BY DELTA FIBER

MATERIALS LIST

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

MAP NUMBER	

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



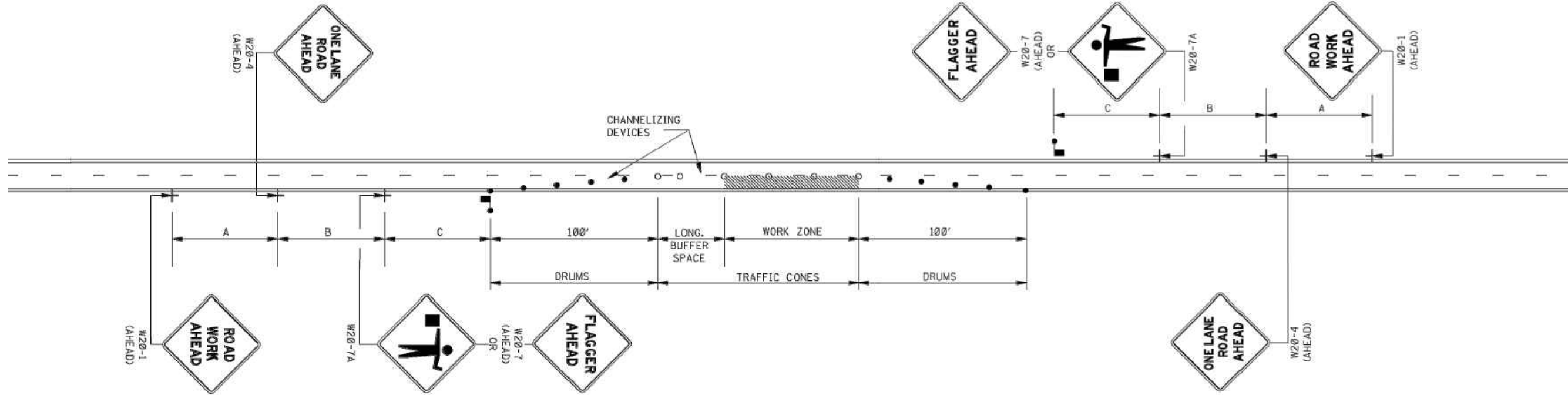
CANTON
MADISON COUNTY

JOB DESCRIPTION

PROJECT NAME MAGNOLIA POINTE ADDITION	
PROJECT CITY CANTON	
SHEET TC2	DESCRIPTION TRAFFIC CONTROL
SCALE	DRAWN BY DELTA FIBER

MATERIALS LIST

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



GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE. FLAGGER STATIONS SHALL BE LOCATED SUCH THAT APPROACHING VEHICLES WILL HAVE SUFFICIENT DISTANCE TO STOP. VALUES IN STOPPING SIGHT DISTANCE COLUMN MAY BE USED AS A MINIMUM FOR THIS DISTANCE.

POSTED SPEED AND/OR DESIGN SPEED	MAXIMUM CHANNELIZING DEVICE SPACING (ft)		LONGITUDINAL BUFFER SPACE (ft)	STOPPING SIGHT DISTANCE
	TAPER	ALONG LANE LINE & WORK ZONE		
mph				
25	20	50	55	155
30	20	60	85	200
35	20	70	120	250
40	20	80	170	305
45	20	90	220	360
50	20	100	280	425
55	20	110	335	495
60	20	120	415	570
65	20	130	485	645

NOTE: BUFFER SPACE MAY BE ADJUSTED AS NEEDED ACCORDING TO ROADWAY GEOMETRY TO MEET SIGHT DISTANCE REQUIREMENTS, AS DIRECTED BY THE ENGINEER.

2. ALL CHANNELIZING DEVICES SHALL BE A MINIMUM OF 28" IN HEIGHT.
3. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 36" x 36" AND BLACK COPY ON FLUORESCENT ORANGE SHEETING.
4. WHEN WORK ZONE IS NO LONGER NEEDED, ALL SIGNS SHALL BE COVERED OR REMOVED AND ALL CHANNELIZING DEVICES SHALL BE MOVED TO THE SHOULDER EDGE.
5. ADDITIONAL FLAGGERS MAY BE NEEDED AS DIRECTED BY THE ENGINEER.
6. WHEN WORK IS REQUIRED AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED.
7. CHANNELIZING DEVICE TYPES FOR:
A. APPROACH AND EXIT TAPERS - RETROREFLECTIVE PLASTIC DRUMS
B. ALONG LANE LINE AND WORK ZONE - TRAFFIC CONES (28" HEIGHT)
8. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

MAP NUMBER	

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ONE CALL SYSTEM @ 1-800-227-6477



CANTON
MADISON COUNTY, MISSISSIPPI

JOB DESCRIPTION

PROJECT NAME MAGNOLIA POINTE ADDITION	
PROJECT CITY CANTON	
SHEET 001	DESCRIPTION CONSTRUCTION
SCALE 1"=50'	DRAWN BY DELTA FIBER

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	MINI OTE 2 PORT	1
2	MINI OTE 4 PORT	1
3	MINI OTE 8 PORT	
4	12 CT FOC	394
5	12 CT FOC LOOP	125
6	24 CT MICRO	
7	24 CT MICRO/T	
8	24 CT MICRO LOOP	
9	24 CT MICRO/T LOOP	
10	48 CT MICRO	
11	48 CT MICRO/T	
12	48 CT MICRO LOOP	
13	48 CT MICRO/T LOOP	
14	72 CT MICRO	
15	72 CT MICRO/T	
16	72 CT MICRO LOOP	
17	72 CT MICRO/T LOOP	
18	96 CT MICRO	
19	96 CT MICRO/T	
20	96 CT MICRO LOOP	
21	96 CT MICRO/T LOOP	
22	144 CT MICRO	
23	144 CT MICRO/T	
24	144 CT MICRO FEEDER	
25	144 CT MICRO LOOP	
26	144 CT MICRO/T LOOP	
27	144CT M/FEEDER LOOP	
28	288 CT MICRO	
29	288 CT MICRO/T	
30	288 CT MICRO FEEDER	
31	288 CT MICRO LOOP	
32	288CT MICRO/T LOOP	
33	288 CT M/FEEDER LOOP	
34	BDO144P LCP	
35	BDO288P LCP	
36	BDO432P LCP	
37	BDO576P LCP	
38	FLOWER POT	
39	UH2.5	2
40	UH3	
41	UH4	
42	UH5	
43	1-1.00" SDR11 HDPE	394
44	2-1.00" SDR11 HDPE	
45	3-1.00" SDR11 HDPE	
46	1-18/14-2 WAY	
47	1-18/14-4 WAY	
48	EXISTING PIPE	
49	TYCO "B" SPLICE CASE	
50	TYCO "D" SPLICE CASE	
51	GROUND ROD	
52	OTE SPLICES	6
53	NON-OTE SPLICES	12
54	BM53FA	

MAP NUMBER	
	2

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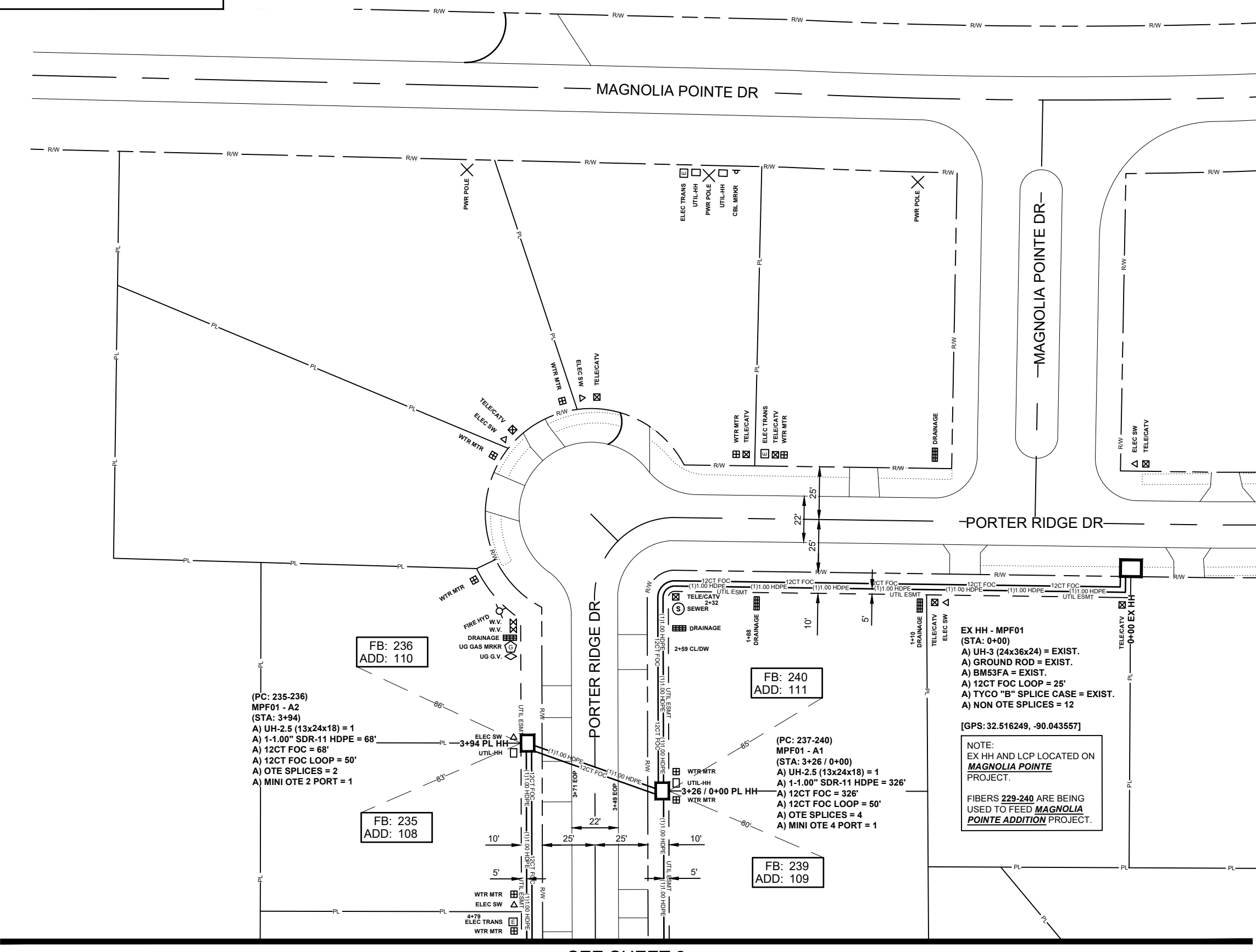


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(PC: 235-236)
MPF01 - A2
(STA: 3+94)
A) UH-2.5 (13x24x18) = 1
A) 1-1.00" SDR-11 HDPE = 68'
A) 12CT FOC = 68'
A) 12CT FOC LOOP = 50'
A) OTE SPLICES = 2
A) MINI OTE 2 PORT = 1

FB: 235
ADD: 108

FB: 236
ADD: 110

FB: 239
ADD: 109

FB: 240
ADD: 111

(PC: 237-240)
MPF01 - A1
(STA: 3+26 / 0+00)
A) UH-2.5 (13x24x18) = 1
A) 1-1.00" SDR-11 HDPE = 326'
A) 12CT FOC = 326'
A) 12CT FOC LOOP = 50'
A) OTE SPLICES = 4
A) MINI OTE 4 PORT = 1

EX HH - MPF01
(STA: 0+00)
A) UH-3 (24x36x24) = EXIST.
A) GROUND ROD = EXIST.
A) BM53FA = EXIST.
A) 12CT FOC LOOP = 25'
A) TYCO "B" SPLICE CASE = EXIST.
A) NON OTE SPLICES = 12

[GPS: 32.516249, -90.043557]

NOTE:
EX HH AND LCP LOCATED ON
MAGNOLIA POINTE
PROJECT.

FIBERS 229-240 ARE BEING
USED TO FEED **MAGNOLIA**
POINTE ADDITION PROJECT.

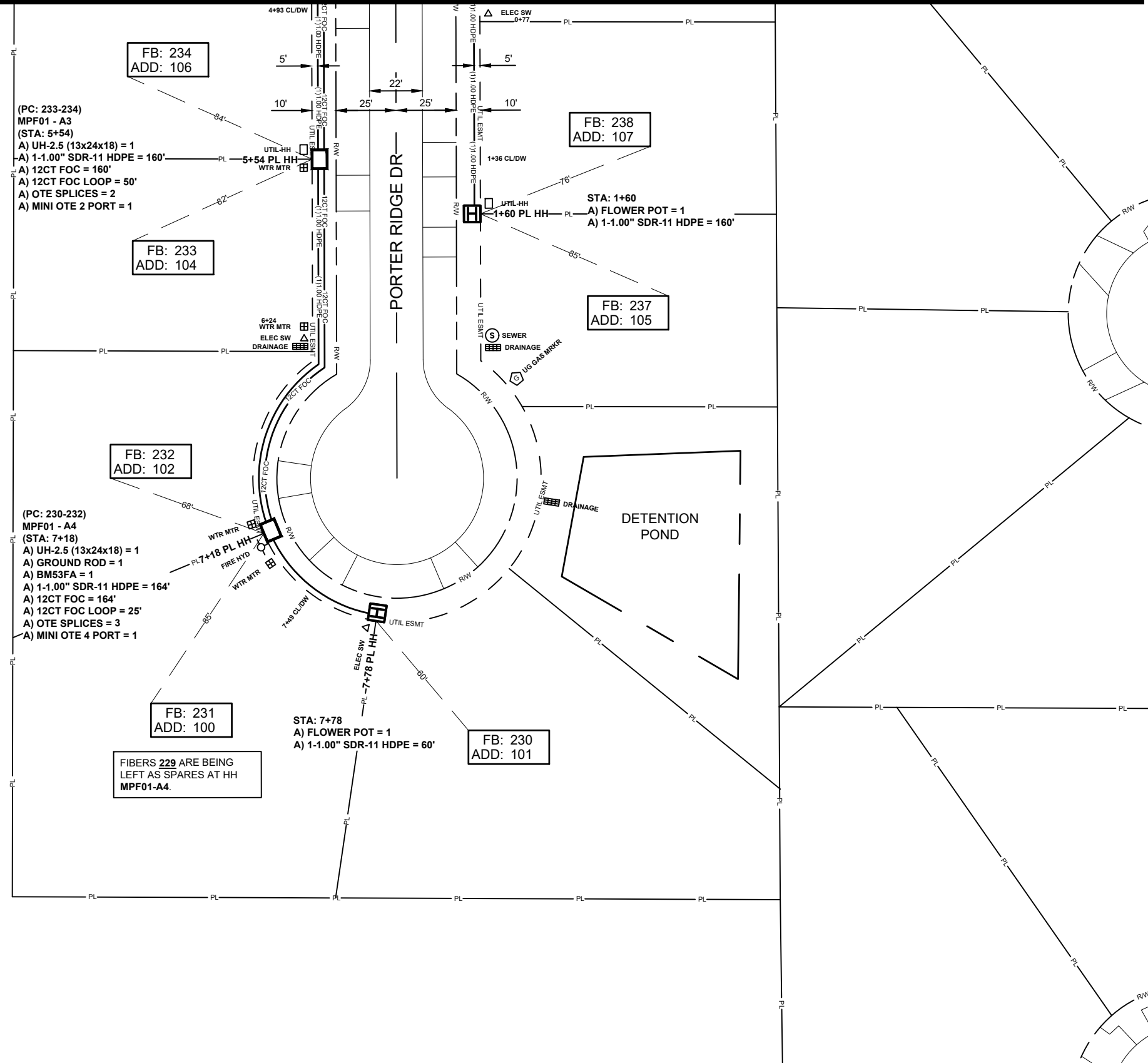
SEE SHEET 2

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

NOTIFY ALL UTILITIES 72 HOURS PRIOR
TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 205-731-3200



SEE SHEET 1



(PC: 233-234)
MPPF01 - A3
(STA: 5+54)
A) UH-2.5 (13x24x18) = 1
A) 1-1.00" SDR-11 HDPE = 160'
A) 12CT FOC = 160'
A) 12CT FOC LOOP = 50'
A) OTE SPLICES = 2
A) MINI OTE 2 PORT = 1

(PC: 230-232)
MPPF01 - A4
(STA: 7+18)
A) UH-2.5 (13x24x18) = 1
A) GROUND ROD = 1
A) BM53FA = 1
A) 1-1.00" SDR-11 HDPE = 164'
A) 12CT FOC = 164'
A) 12CT FOC LOOP = 25'
A) OTE SPLICES = 3
A) MINI OTE 4 PORT = 1

FIBERS 229 ARE BEING LEFT AS SPARES AT HH MPPF01-A4.

JOB DESCRIPTION

PROJECT NAME MAGNOLIA POINTE ADDITION	
PROJECT CITY CANTON	
SHEET 002	DESCRIPTION CONSTRUCTION
SCALE 1"=50'	DRAWN BY DELTA FIBER

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	MINI OTE 2 PORT	1
2	MINI OTE 4 PORT	1
3	MINI OTE 8 PORT	
4	12 CT FOC	324
5	12 CT FOC LOOP	75
6	24 CT MICRO	
7	24 CT MICRO/T	
8	24 CT MICRO LOOP	
9	24 CT MICRO/T LOOP	
10	48 CT MICRO	
11	48 CT MICRO/T	
12	48 CT MICRO LOOP	
13	48 CT MICRO/T LOOP	
14	72 CT MICRO	
15	72 CT MICRO/T	
16	72 CT MICRO LOOP	
17	72 CT MICRO/T LOOP	
18	96 CT MICRO	
19	96 CT MICRO/T	
20	96 CT MICRO LOOP	
21	96 CT MICRO/T LOOP	
22	144 CT MICRO	
23	144 CT MICRO/T	
24	144 CT MICRO FEEDER	
25	144 CT MICRO LOOP	
26	144 CT MICRO/T LOOP	
27	144CT M/FEEDER LOOP	
28	288 CT MICRO	
29	288 CT MICRO/T	
30	288 CT MICRO FEEDER	
31	288 CT MICRO LOOP	
32	288CT MICRO/T LOOP	
33	288 CT M/FEEDER LOOP	
34	BDO144P LCP	
35	BDO288P LCP	
36	BDO432P LCP	
37	BDO576P LCP	
38	FLOWER POT	2
39	UH2.5	2
40	UH3	
41	UH4	
42	UH5	
43	1-1.00" SDR11 HDPE	544
44	2-1.00" SDR11 HDPE	
45	3-1.00" SDR11 HDPE	
46	1-18/14-2 WAY	
47	1-18/14-4 WAY	
48	EXISTING PIPE	
49	TYCO "B" SPLICE CASE	
50	TYCO "D" SPLICE CASE	
51	GROUND ROD	1
52	OTE SPLICES	5
53	NON-OTE SPLICES	
54	BM53FA	1

MAP NUMBER	
1	



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

NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 205-731-3200

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CANTON
MADISON COUNTY, MISSISSIPPI

JOB DESCRIPTION

PROJECT NAME MAGNOLIA POINTE ADDITION	
PROJECT CITY CANTON	
SHEET SCHEMATIC 001	DESCRIPTION CONSTRUCTION
SCALE 1"=50'	DRAWN BY DELTA FIBER

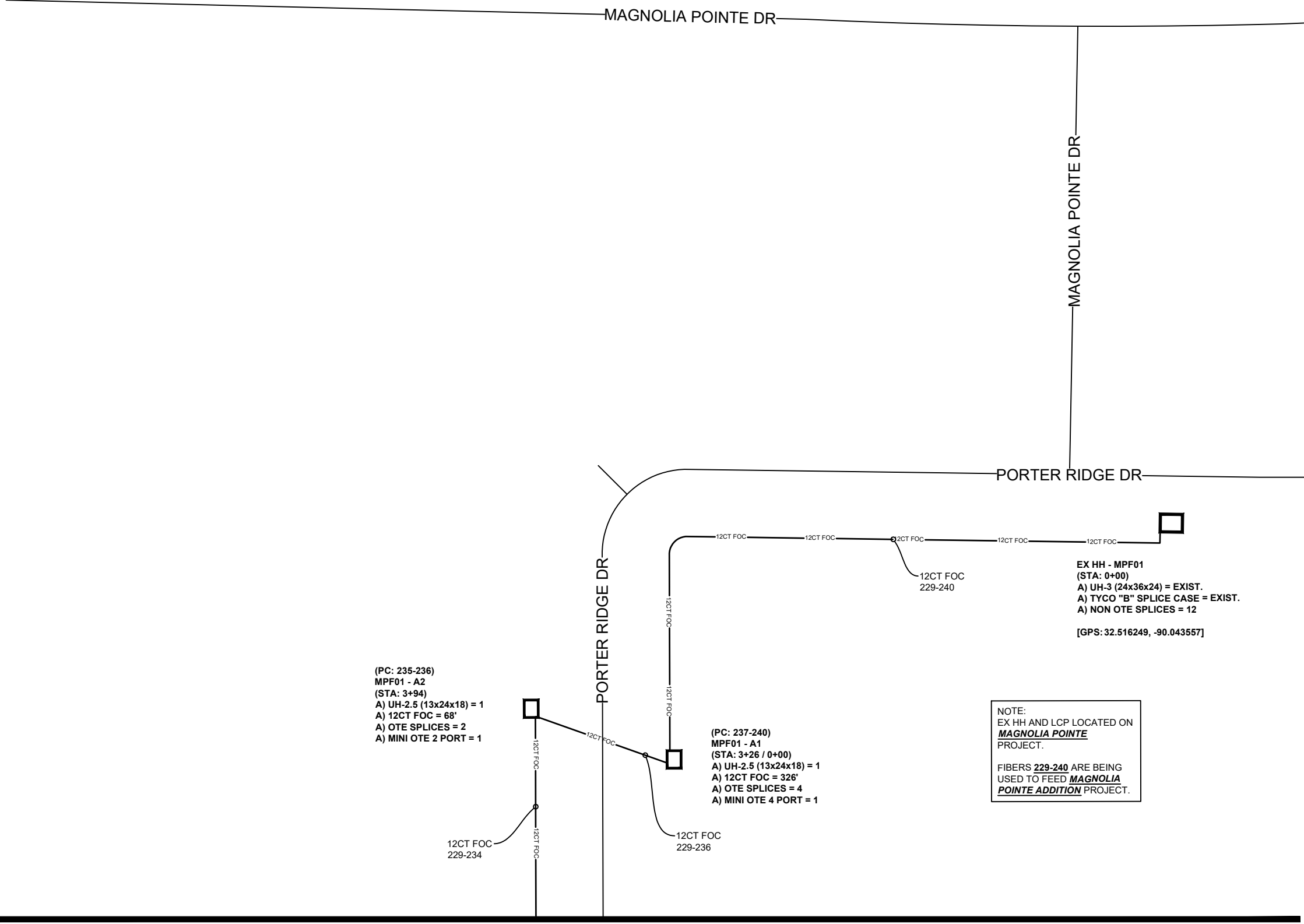
MATERIALS LIST

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

MAP NUMBER	
	2



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SEE SCHEMATIC 2

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

NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 205-731-3200



CANTON
MADISON COUNTY, MISSISSIPPI

SEE SCHEMATIC 1

(PC: 233-234)
MPF01 - A3
(STA: 5+54)
A) UH-2.5 (13x24x18) = 1
A) 12CT FOC = 160'
A) OTE SPLICES = 2
A) MINI OTE 2 PORT = 1

12CT FOC
229-232

(PC: 230-232)
MPF01 - A4
(STA: 7+18)
A) UH-2.5 (13x24x18) = 1
A) 12CT FOC = 164'
A) OTE SPLICES = 3
A) MINI OTE 4 PORT = 1

FIBERS 229 ARE BEING
LEFT AS SPARES AT HH
MPF01-A4.

PORTER RIDGE DR

JOB DESCRIPTION

PROJECT NAME
MAGNOLIA POINTE ADDITION
PROJECT CITY
CANTON
SHEET
SCHEMATIC 002
DESCRIPTION
CONSTRUCTION
SCALE
1"=50'
DRAWN BY
DELTA FIBER

MATERIALS LIST

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

MAP NUMBER

1

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ONE CALL SYSTEM @ 205-731-3200

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