

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

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

MEMORANDUM

March 3, 2021

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

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

Re: Telepak Networks, Inc./D.B.A. Cspire Utility Permit
West Lake subdivision

The Engineering Department recommends approval of permit application for Telepak Networks, Inc./D.B.A. Cspire to directionally bore fiber in West Lake subdivision on the following road rights-of-way:

- Denver Road
- West Lake Circle
- Lois Circle
- South Shore Court

SHEILA JONES
District One

TREY BAXTER
District Two

GERALD STEEN
District Three

KARL BANKS
District Four

PAUL GRIFFIN
District Five



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 15 day of January, 2021.

By: [Signature]
(Applicant Signature)

Title: C SPIRE OSP FTTH Engineer

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

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

APPROVED

By **timothy.bryan at 12:45 pm, Mar 10, 2021**

B. **Tim Bryan, P.E.**
County Engineer

AGREED TO AND APPROVED BY:

Madison County Board President

Date: _____

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

____ DAY OF _____, 20____.

Appendix 1

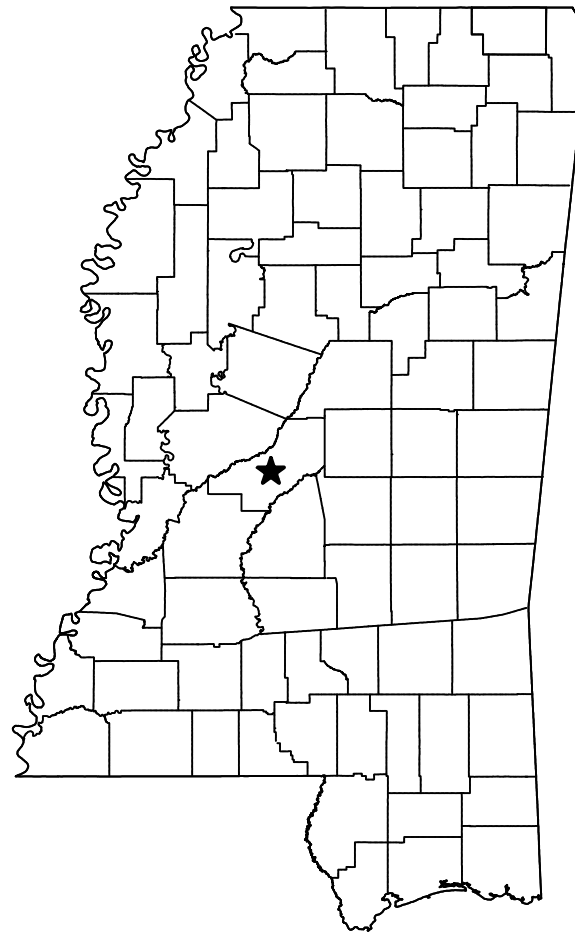
County Road Name: _____
Beginning Location: _____ Ending Location: _____
Length of Project: _____ Section: _____ Township: _____ Range: _____
Description of Work: _____

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

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Beginning Location: _____ Ending Location: _____
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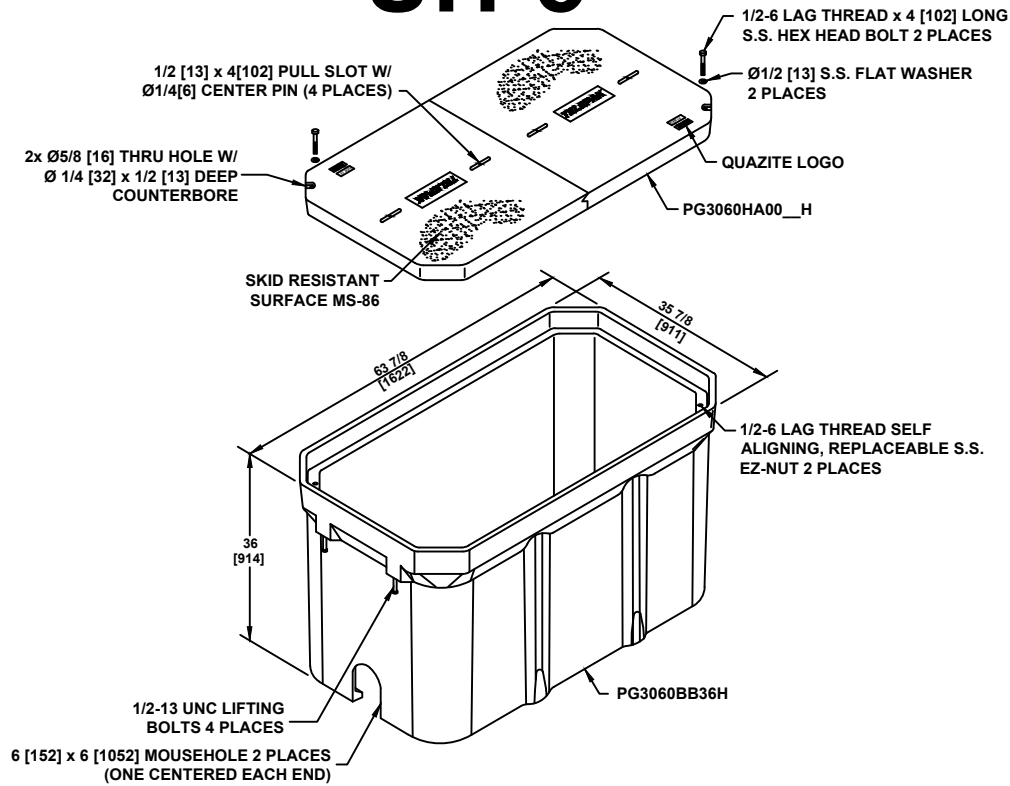


<< PERMITS >>	
CITY :	N/A
COUNTY :	YES
MDOT :	N/A
FEDERAL :	N/A
RAILROAD :	N/A
PRIVATE R/W :	N/A
MISC :	N/A

PROPOSED FTTH
WEST LAKE
CITY OF MADISON
MADISON COUNTY, MISSISSIPPI
06/09/20

PREPARED BY
SQUANTM
3177 STERLINGTON RD.
MONROE, LA 71203
318-388-2717

UH-5



1. THIS ASSEMBLY IS RATED FOR A STATIC DESIGN LOAD OF 15,000 LBS. [66,720 N] OVER A 10 [254] X 10 [254] AREA AND MUST PASS A MIN. STATIC TEST LOAD OF 22,500 LBS. [100,085 N].
2. 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 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.

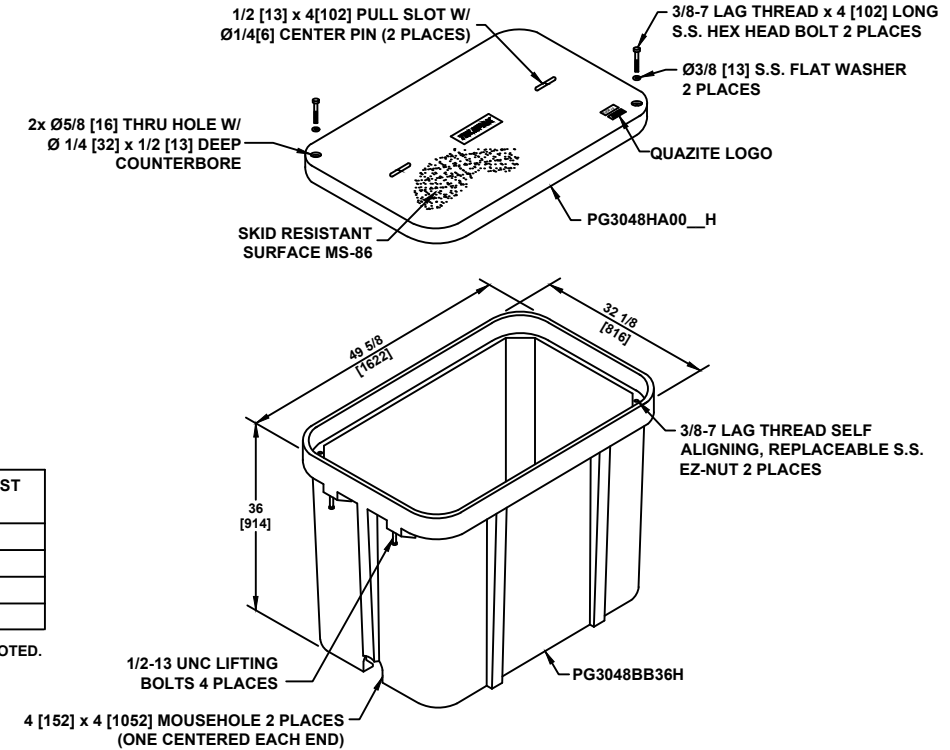
PIGTAILS ARE TO BE INSTALLED AT TEST STATION (T.S.) ONLY.
HANDHOLES ARE TO BE INSTALLED A MINIMUM OF THREE FEET FROM ANY UTILITY OR POWER POLE.

BOXES (Nestable)

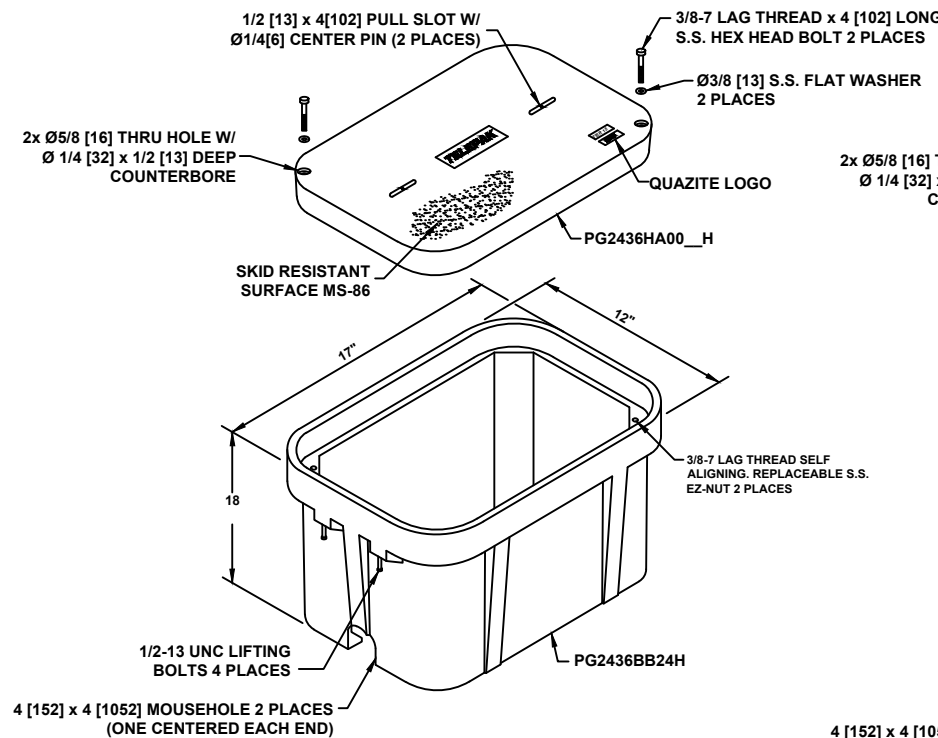
DESCRIPTION	PART NO.	WEIGHT	DESIGN/TEST LOAD#
UH-5 30x60x36	PG3060Z501	933# 423KG.	15'000 LBS
UH-4 30x48x36	PG3048Z579	563# 255KG.	15'000 LBS
UH-3 24x36x24	PG2436Z905	284# 129KG.	15'000 LBS
UH-2 11x17x18	PG2436Z905	284# 129KG.	15'000 LBS

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

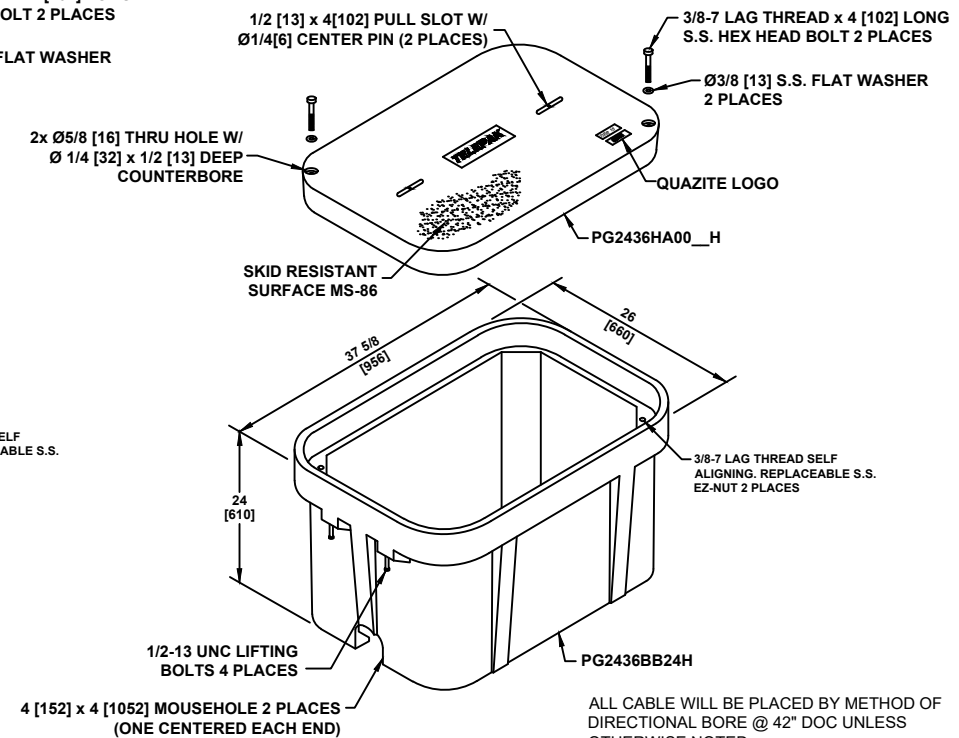
UH-4



UH-2

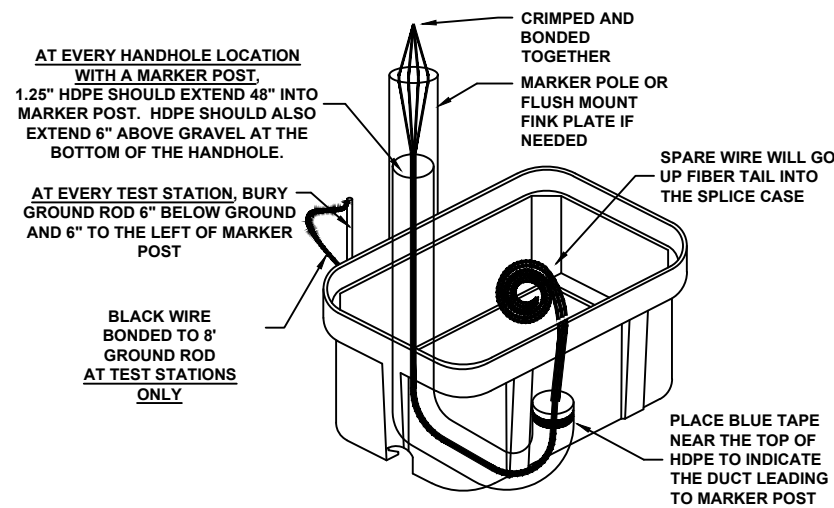


UH-3



ALL CABLE WILL BE PLACED BY METHOD OF DIRECTIONAL BORE @ 42" DOC UNLESS OTHERWISE NOTED.

TYPICAL HAND HOLE INSTALLATION



FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
	CONSTRUCTION
SHEET	DRAWN BY
TYPICALS	SQUAN
SCALE	PAGE
NTS	TYPICALS

MATERIAL LIST

ITEM	DESCRIPTION	QUANTITY
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	TRIDENT RTD 1X12	
5	48 CT FOC	
6	48 CT FOC LOOP	
7	72 CT FOC	
8	72 CT FOC LOOP	
9	144 CT FOC	
10	144 CT FOC LOOP	
11	288 CT FOC	
12	288 CT FOC LOOP	
13	432 CT FOC	
14	432 CT FOC LOOP	
15	BDO288P	
16	UH2	
17	UH3	
18	UH4	
19	UH5	
20	1-1.25" SDR11 HDPE	
21	2-1.25" SDR11 HDPE	
22	3-1.25" SDR11 HDPE	
23	4-1.25" SDR11 HDPE	
24	5-1.25" SDR11 HDPE	
25	6-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE

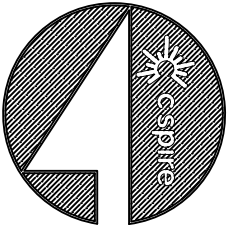
PREPARED BY
SQUAN
PREPARED FOR
cspire

MAP NUMBER

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MADISON, MS

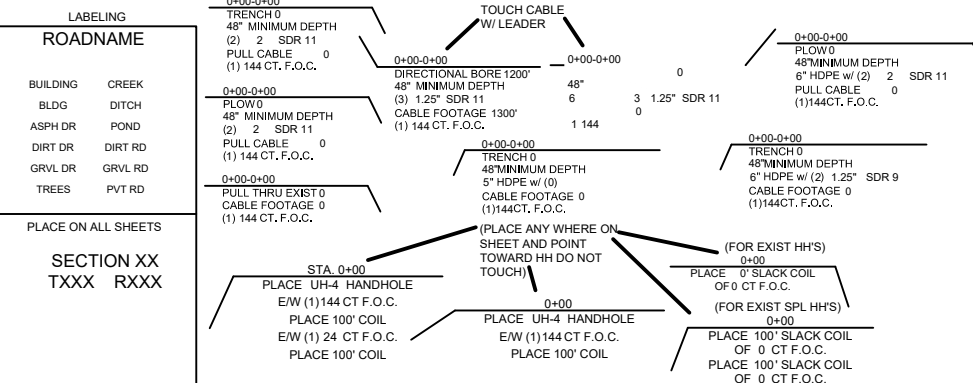
MADISON COUNTY, MISSISSIPPI



RED TEXT IS FOR DESCRIPTION & NOTES ONLY

<p>DIRECTIONAL BORE</p> <p>AERIAL CABLE</p> <p>FLOW TRENCH OR EXISTING DUCT</p> <p>DIRECTIONAL BORE 5" HDPE</p> <p>PVC OR SPLIT PVC CONDUIT</p> <p>ASTMA 139 GRADE B STEEL</p> <p>JACK AND BORE</p> <p>CORE BORE</p> <p>EXISTING TELEPAK CABLE</p> <p>HANDHOLE</p> <p>HANDHOLE (CABLE IN HDPE)</p> <p>HH (CABLE IN PVC CONDUIT)</p> <p>HANDHOLE (CABLE IN GSP CONDUIT)</p> <p>MANHOLE</p> <p>MANHOLE (CABLE IN HDPE)</p> <p>MANHOLE (CABLE IN PVC CONDUIT)</p> <p>MANHOLE (CABLE IN BSP/GSP CONDUIT)</p> <p>H-FRAME</p> <p>BORE PIT</p> <p>LIGHTNING ARRESTOR</p> <p>AC/DC FILTER PROTECTION</p> <p>ALUMINUM HUB STYLE MARKER</p> <p>STEEL MARKER</p> <p>FLAT COMPOSITE MARKER</p> <p>TUBULAR MARKER</p> <p>RIGHT-OF-WAY MARKER NOTE: DASHED = (NOT FOUND IN FIELD)</p> <p>RIGHT-OF-WAY PIN</p> <p>MILE POST MARKER NOTE: DASHED = (NOT FOUND IN FIELD)</p>	<p>ANCHOR ONLY (EXISTING)</p> <p>GUY ONLY (EXISTING)</p> <p>PROP ANCHOR & GUY</p> <p>CABLE CHANGE (BURIED - AERIAL)</p> <p>OVERHEAD GUY (ARROW IN DIRECTION OF PULL)</p> <p>SHRUB</p> <p>SINGLE TREE</p> <p>FOREIGN MKR (RIGHT SIDE)</p> <p>FOREIGN MKR (LEFT SIDE)</p> <p>CAUTION NOTES</p> <p>UTILITY VALVE</p> <p>UTILITY METER</p> <p>GAS VALVE</p> <p>GAS TANKS</p> <p>FIRE HYDRANT</p> <p>UTILITY MANHOLE</p> <p>CULVERT/BOX CULVERT</p> <p>SEWER / STORM DRAIN COMPONENT</p> <p>R.R. CROSSING SIGNAL</p> <p>R.R. SIGNAL ARM</p> <p>CONTROL BOX/R.R. SIGNAL BOX</p> <p>STREET/SIGNAL LIGHT</p> <p>PARKING METER</p> <p>STEELWOOD POST</p> <p>SIGN</p> <p>REPEATER</p> <p>TELEPHONE/CATV PED</p> <p>PROPOSED GROUND WIRE</p> <p>BOND AND GROUND</p>	<p>ANCHOR AND GUY WHOLLY OWNED BY ANOTHER COMPANY</p> <p>SIDEWALK ANCHOR & GUY</p> <p>PROPOSED SIDEWALK ANC & GUY</p> <p>CAUTION (GAS XING)</p> <p>CAUTION (WATER XING)</p> <p>AT&T MKR</p> <p>30'-5-84</p> <p>30'-5-84</p> <p>PUSH BRACE</p> <p>JOINT USE POLE</p> <p>TELEPHONE POLE</p> <p>CONCRETE POLE</p> <p>STEEL POLE</p> <p>POWER POLE</p> <p>TRANSFORMER POLE</p> <p>GROUND WIRE</p>	<p>HIGHWAY SIGN</p> <p>LCP CABINET</p> <p>ROAD MARKINGS</p> <p>BGN BUILDING, END BUILDING ROTATE LABEL WITH BUILDING</p> <p>(GAS CAUTION NOTE)</p> <p>(100' TICKS MARKS)</p> <p>BACK SPAN</p> <p>MARKER (BM53F(A) FOR SPLICES)</p> <p>GPS (ON ALL HH'S)</p> <p>CELL SITE</p>	<p>(STATION) (USE ON RIGHT SIDE OF CABLE) (ROTATE PERPENDICULAR TO CUT BOX)</p> <p>(STATION) (USE ON LEFT SIDE OF CABLE) (ROTATE PERPENDICULAR TO CUTBOX)</p> <p>DEPTH OF COVER (ROTATE PERPENDICULAR TO CABLE)</p> <p>SPLICE DETAIL (PLACE ON ALL SHEETS CONTAINING A SPLICE AND CHANGE CABLE DIRECTIONS AND COILS TO MATCH)</p> <p>HH AND SPL HH NOTE TEXT (USE THIS TEXT FOR HH INFO FROM CSPIRE)</p> <p>USE FOR PERMIT INFORMATION</p> <p>SPlice STATION XX+XX</p> <p>XXX+XX</p> <p>SRMC-1</p> <p>PL UH-4</p> <p>100' SLACK LOOP</p> <p>DOT STA #XXX+XX</p> <p>SPlice STATION XX+XX</p> <p>TOUCH CABLE W/ LEADER</p> <p>0+00-0+00</p> <p>TRENCH 0</p> <p>48" MINIMUM DEPTH</p> <p>(2) 2 SDR 11</p> <p>PULL CABLE 0</p> <p>(1) 144 CT. F.O.C.</p> <p>0+00-0+00</p> <p>FLOW 0</p> <p>48" MINIMUM DEPTH</p> <p>(2) 2 SDR 11</p> <p>PULL CABLE 0</p> <p>(1) 144 CT. F.O.C.</p> <p>0+00-0+00</p> <p>TRENCH 0</p> <p>48" MINIMUM DEPTH</p> <p>5" HDPE W/ (0)</p> <p>CABLE FOOTAGE 0</p> <p>(1) 144 CT. F.O.C.</p> <p>0+00-0+00</p> <p>PULL THRU EXIST 0</p> <p>CABLE FOOTAGE 0</p> <p>(1) 144 CT. F.O.C.</p> <p>0+00-0+00</p> <p>TRENCH 0</p> <p>48" MINIMUM DEPTH</p> <p>6" HDPE W/ (2) 1.25" SDR 9</p> <p>CABLE FOOTAGE 0</p> <p>(1) 144 CT. F.O.C.</p> <p>0+00-0+00</p> <p>FLOW 0</p> <p>48" MINIMUM DEPTH</p> <p>6" HDPE W/ (2) 2 SDR 11</p> <p>PULL CABLE 0</p> <p>(1) 144 CT. F.O.C.</p> <p>0+00-0+00</p> <p>TRENCH 0</p> <p>48" MINIMUM DEPTH</p> <p>5" HDPE W/ (0)</p> <p>CABLE FOOTAGE 0</p> <p>(1) 144 CT. F.O.C.</p> <p>0+00-0+00</p> <p>PULL THRU EXIST 0</p> <p>CABLE FOOTAGE 0</p> <p>(1) 144 CT. F.O.C.</p>	<p>TAX DISTRICT BOUNDARY/ SECTION LABEL</p> <p>SEC XX TXXX RXXX</p> <p>SEC XX TXXN RXXW</p> <p>CITY, COUNTY OR STATE BOUNDARY LINE</p> <p>CITY/COUNTY/STATE</p> <p>CITY/COUNTY/STATE</p> <p>PROPERTY LINE</p> <p>EDGE OF PAVEMENT</p> <p>BACK OF CURB</p> <p>WHITE LINE</p> <p>RIGHT-OF-WAY LINE</p> <p>CENTERLINE</p> <p>EDGE OF ROAD - UNPAVED</p> <p>GAURD RAIL</p> <p>RETAINING WALL</p> <p>BRIDGE</p> <p>WATER LINE</p> <p>SANSEWER</p> <p>STORMDRAIN</p> <p>GAS LINE</p> <p>FIBER OPTIC LINE</p> <p>OH TELEPHONE</p> <p>BURIED TELEPHONE</p> <p>OH CATV</p> <p>BURIED CATV</p> <p>RAILROAD TRACK</p> <p>AUXILIARY TRACK</p> <p>TREE LINE OR GROUP OF TREES</p> <p>NATURAL WATER SOURCES</p> <p>DITCH LINE</p> <p>TOP OF SLOPE</p> <p>OH POWER</p> <p>BURIED POWER</p> <p>FENCE</p> <p>UTILITY EASEMENT</p> <p>CROP FIELD LABEL</p> <p>AGRI FIELD</p>
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ABBREVIATIONS		LABELING	
SPL	SPLICE	BLDG	BUILDING
HH	HANDHOLE	CL	CENTER LINE
GRVL	GRAVEL	C/L CULVERT	CENTER LINE CULVERT
DR	DRIVE	C/L GRVL DR	CENTER OF GRAVEL DRIVE
ASPH	ASPHALT	C/L ASPH DR	CENTER OF ASPHALT DRIVE
EXIST	EXISTING	C/L DIRT DR	CENTER OF DIRT DRIVE
PWR	POWER ATTACHMENT	PWR OHG	POWER OVERHEAD GUY
TRI	TRIPLEX	CATV OHG	CATV OVERHEAD GUY
COMM	COMMUNICATIONS ATTACHMENT	CAP BANK	CAPACITOR BANK
CATV	CATV ATTACHMENT	CLTCKT	FIRE ALARM CIRCUIT
SL	STREET LIGHT	PWR DIP	POWER DIP
TSIG	TRAFFIC SIGNAL	COMM DIP	COMMUNICATIONS DIP
MDW	MULTI DROP WIRE	CATV DIP	CATV DIP
COMM OHG	COMMUNICATIONS OVERHEAD GUY	TEOP	TRAFFIC LIGHT
FL	FLOOD LIGHT	TEGY	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
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	CONSTRUCTION
SHEET	DRAWN BY
LEGEND	SQUAN
SCALE	PAGE
NTS	LEGEND

MATERIAL LIST		
ITEM	DESCRIPTION	QUANTITY
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	TRIDENT RTD 1X12	
5	48 CT FOC	
6	48 CT FOC LOOP	
7	72 CT FOC	
8	72 CT FOC LOOP	
9	144 CT FOC	
10	144 CT FOC LOOP	
11	288 CT FOC	
12	288 CT FOC LOOP	
13	432 CT FOC	
14	432 CT FOC LOOP	
15	BDO288P	
16	UH2	
17	UH3	
18	UH4	
19	UH5	
30	1-1.25" SDR11 HDPE	
31	2-1.25" SDR11 HDPE	
32	3-1.25" SDR11 HDPE	
33	4-1.25" SDR11 HDPE	
34	5-1.25" SDR11 HDPE	
35	6-1.25" SDR11 HDPE	
36	TYCO "B" SPLICE CASE	
37	TYCO "D" SPLICE CASE	
38	GROUND ROD	
39	SPLICES	
40	BM53FA	

REVISIONS			
REV.	DESCRIPTION	INITIALS	DATE

PREPARED BY
SQUAN
PREPARED FOR
cspire

MAP NUMBER

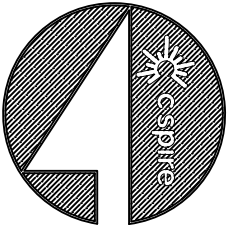
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LINE TYPES

CONDUIT	CONDUIT	CONDUIT	CONDUIT
24 PAIR FIBER	24 ct		
48 PAIR FIBER	48 ct		
96 PAIR FIBER	96 ct		
144 PAIR FIBER	144 ct		
288 PAIR FIBER	288 ct		
DA BOUNDARY LINE			

ALL CABLE WILL BE PLACED BY METHOD OF DIRECTIONAL BORE @ 42" DOC UNLESS OTHERWISE NOTED.

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



FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	CONSTRUCTION
SHEET 001	DRAWN BY SQUAN
SCALE 1"=50'	PAGE 1

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	100
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	138
11	72 CT FOC LOOP	150
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	713
15	288 CT FOC LOOP	500
16	BDO576P LCP	1
17	576 LCP PAD	1
18	UH2	1
19	UH3	
20	UH4	2
21	UH5	1
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	318
24	3-1.25" SDR11 HDPE	325
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	1
27	TYCO "D" SPLICE CASE	3
28	GROUND ROD	5
29	SPLICES	732
30	BM53FA	3

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

PREPARED BY



PREPARED FOR



MAP NUMBER

2

DISCLAIMER

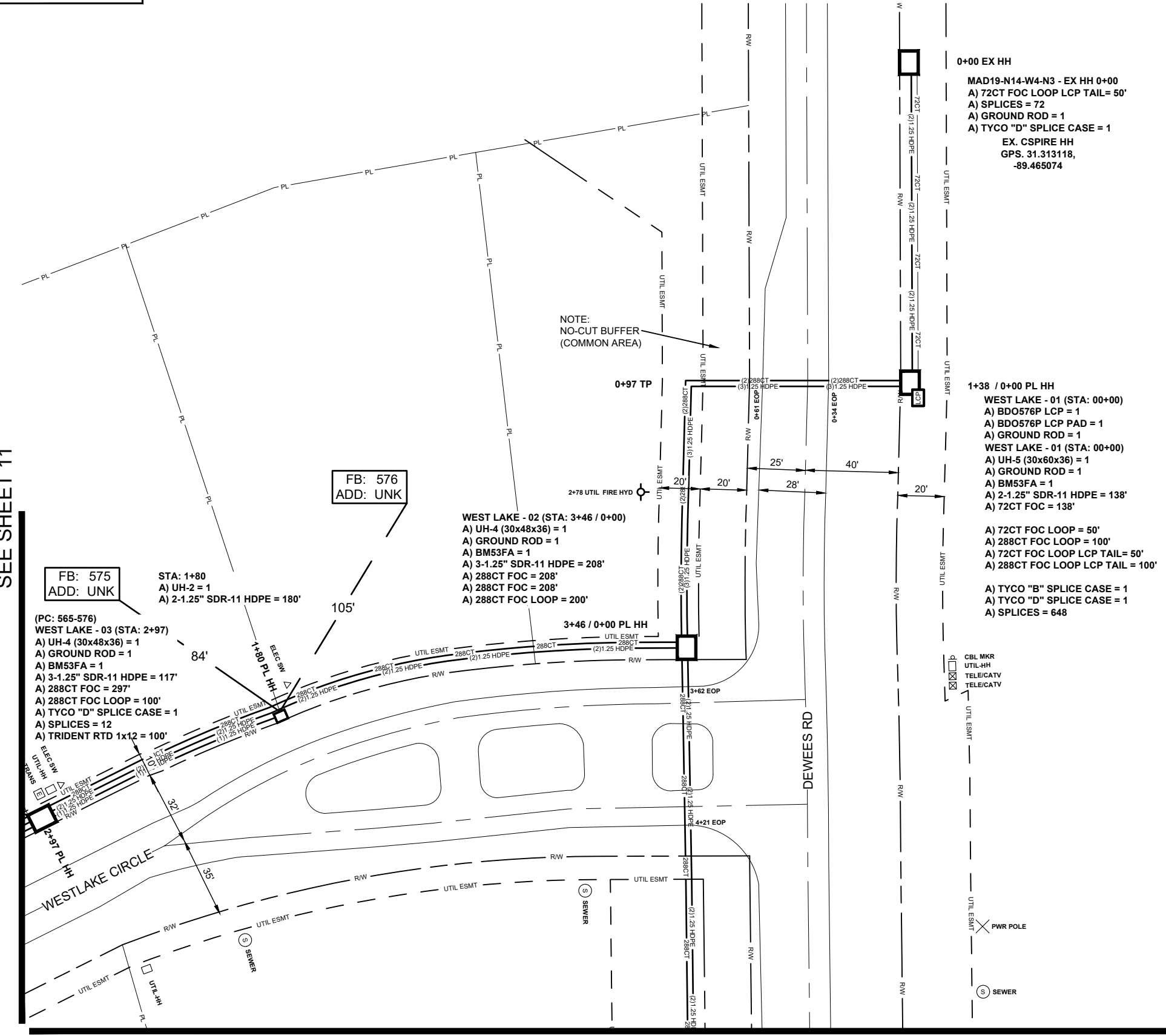
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SEE SHEET 11

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 @ 1-800-227-6477



0+00 EX HH
MAD19-N14-W4-N3 - EX HH 0+00
A) 72CT FOC LOOP LCP TAIL= 50'
A) SPLICES = 72
A) GROUND ROD = 1
A) TYCO "D" SPLICE CASE = 1
EX. CSPIRE HH
GPS. 31.313118,
-89.465074

1+38 / 0+00 PL HH
WEST LAKE - 01 (STA: 00+00)
A) BDO576P LCP = 1
A) BDO576P LCP PAD = 1
A) GROUND ROD = 1
WEST LAKE - 01 (STA: 00+00)
A) UH-5 (30x60x36) = 1
A) GROUND ROD = 1
A) BM53FA = 1
A) 2-1.25" SDR-11 HDPE = 138'
A) 72CT FOC = 138'

A) 72CT FOC LOOP = 50'
A) 288CT FOC LOOP = 100'
A) 72CT FOC LOOP LCP TAIL= 50'
A) 288CT FOC LOOP LCP TAIL = 100'

A) TYCO "B" SPLICE CASE = 1
A) TYCO "D" SPLICE CASE = 1
A) SPLICES = 648

WEST LAKE - 02 (STA: 3+46 / 0+00)
A) UH-4 (30x48x36) = 1
A) GROUND ROD = 1
A) BM53FA = 1
A) 3-1.25" SDR-11 HDPE = 208'
A) 288CT FOC = 208'
A) 288CT FOC = 208'
A) 288CT FOC LOOP = 200'

WEST LAKE - 03 (STA: 2+97)
A) UH-4 (30x48x36) = 1
A) GROUND ROD = 1
A) BM53FA = 1
A) 3-1.25" SDR-11 HDPE = 117'
A) 288CT FOC = 297'
A) 288CT FOC LOOP = 100'
A) TYCO "D" SPLICE CASE = 1
A) SPLICES = 12
A) TRIDENT RTD 1x12 = 100'

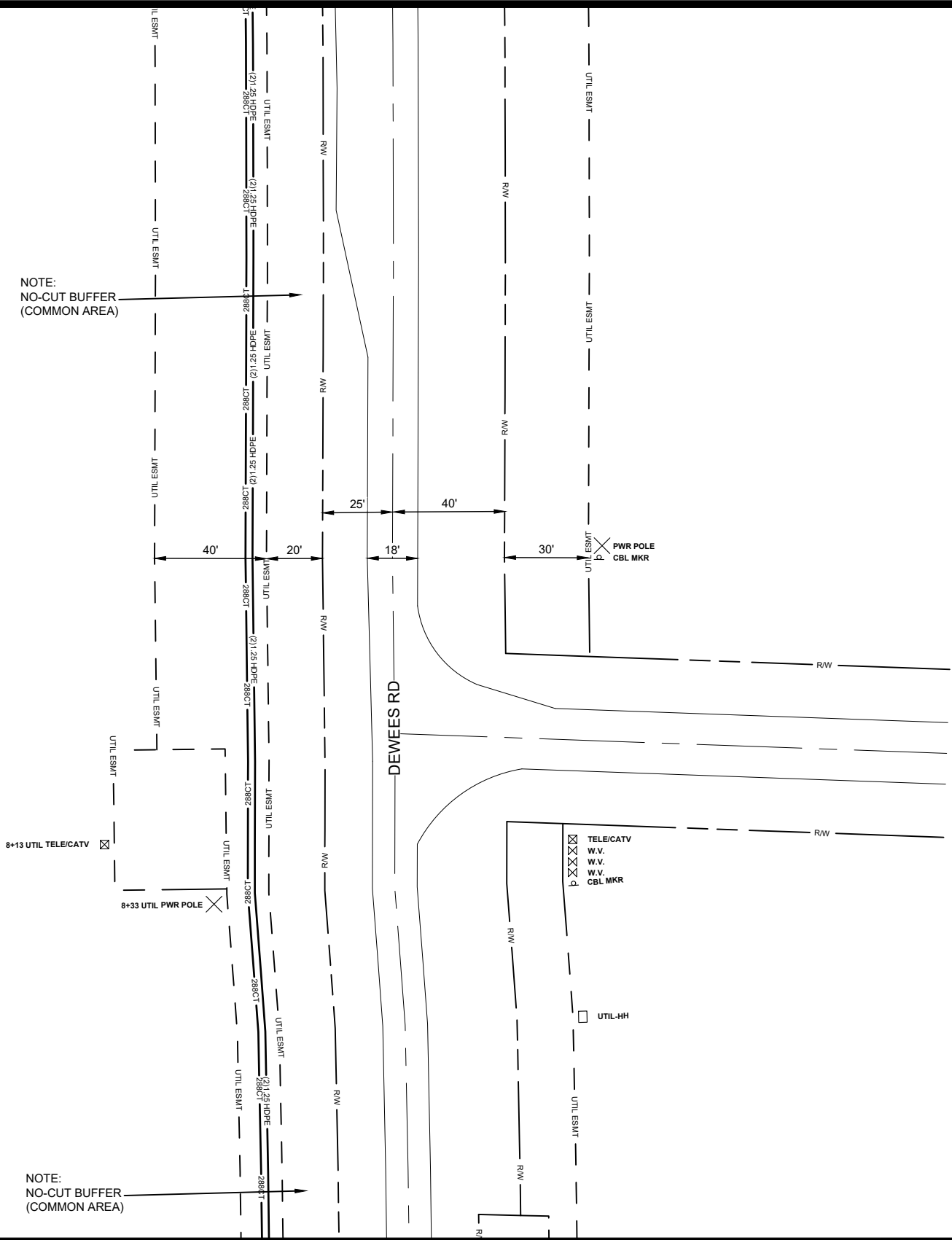
FB: 576
ADD: UNK

FB: 575
ADD: UNK

NOTE:
FIBERS 1-240 / 289-516 ARE SPARE
FIBERS LEFT AT HH'S FOR FUTURE
DEVELOPMENT.

FIBERS 241-288 / 517-576 ARE BEING
USED TO FEED WEST LAKE
PROJECT.

SEE SHEET 11



NOTE:
NO-CUT BUFFER
(COMMON AREA)

NOTE:
NO-CUT BUFFER
(COMMON AREA)

SEE SHEET 3

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



FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
	CONSTRUCTION
SHEET	DRAWN BY
002	SQUAN
SCALE	PAGE
1"=50'	2

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	
19	UH3	
20	UH4	
21	UH5	
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	
24	3-1.25" SDR11 HDPE	
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

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PREPARED FOR

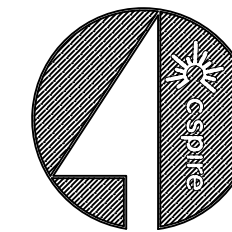


MAP NUMBER

1	
2	
3	

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WITHOUT SPECIFIC WRITTEN PERMISSION.



FILE NAME WEST LAKE	
PROJECT CITY MADISON, MS	
FULL FILENAME	
DATE	DESCRIPTION
SHEET 003	CONSTRUCTION DRAWN BY SQUAN
SCALE 1"=50'	PAGE 3

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	1001
15	288 CT FOC LOOP	100
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	1
19	UH3	
20	UH4	1
21	UH5	
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	1193
24	3-1.25" SDR11 HDPE	
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	1
29	SPLICES	
30	BM53FA	1

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

PREPARED BY



PREPARED FOR



MAP NUMBER

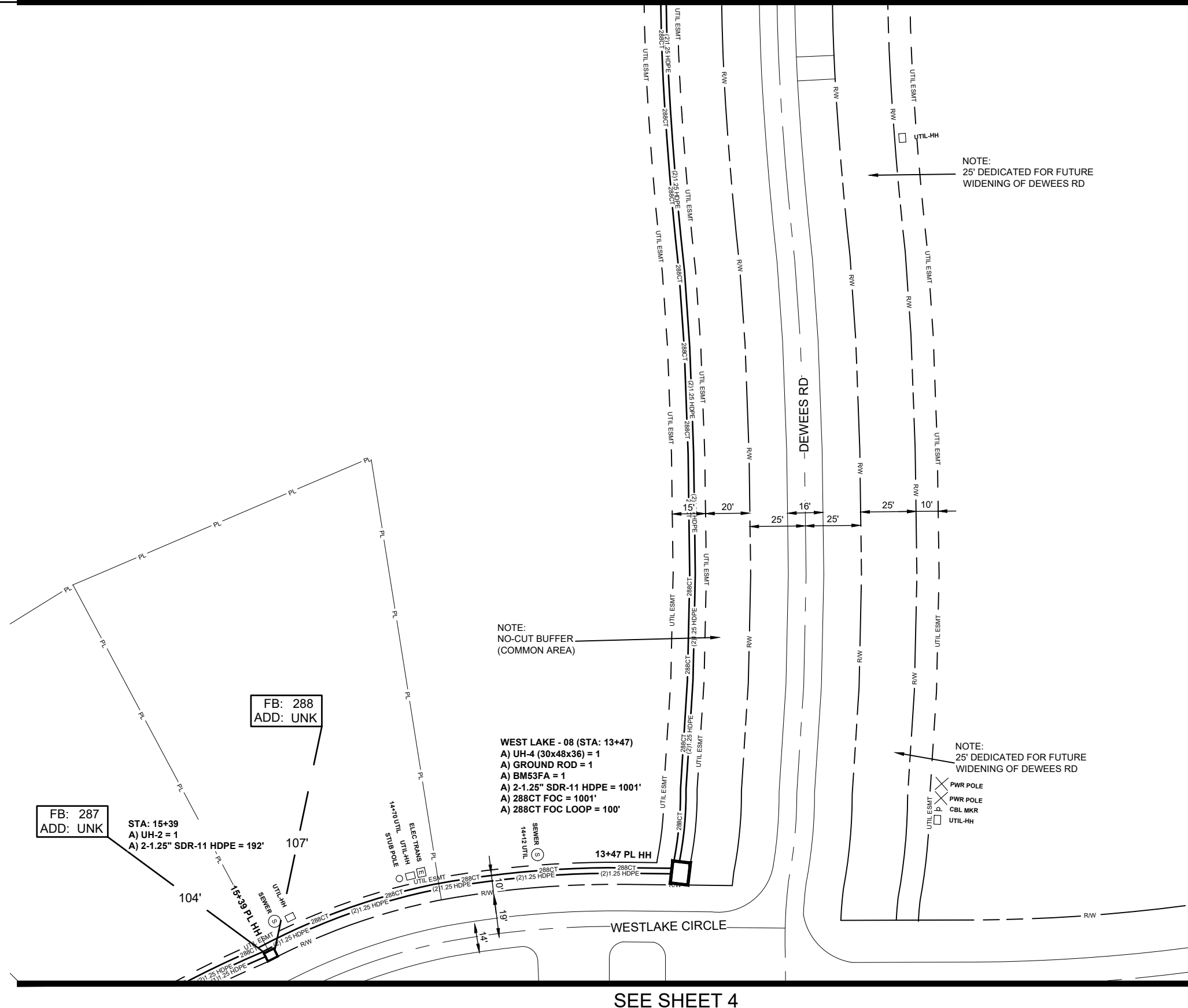
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3	
4	

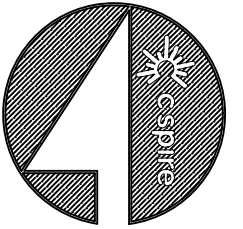
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ALL CABLE WILL BE PLACED BY METHOD OF DIRECTIONAL BORE MIN 2' OFF ROW OR EASEMENT @ 42" DOC UNLESS OTHERWISE NOTED.

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





FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	CONSTRUCTION
SHEET 004	DRAWN BY SQUAN
SCALE 1"=50'	PAGE 4

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	3
19	UH3	
20	UH4	
21	UH5	
22	1-1.25" SDR11 HDPE	157
23	2-1.25" SDR11 HDPE	85
24	4-1.25" SDR11 HDPE	111
25	5-1.25" SDR11 HDPE	82
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

PREPARED BY



PREPARED FOR



MAP NUMBER

3
6
5

DISCLAIMER

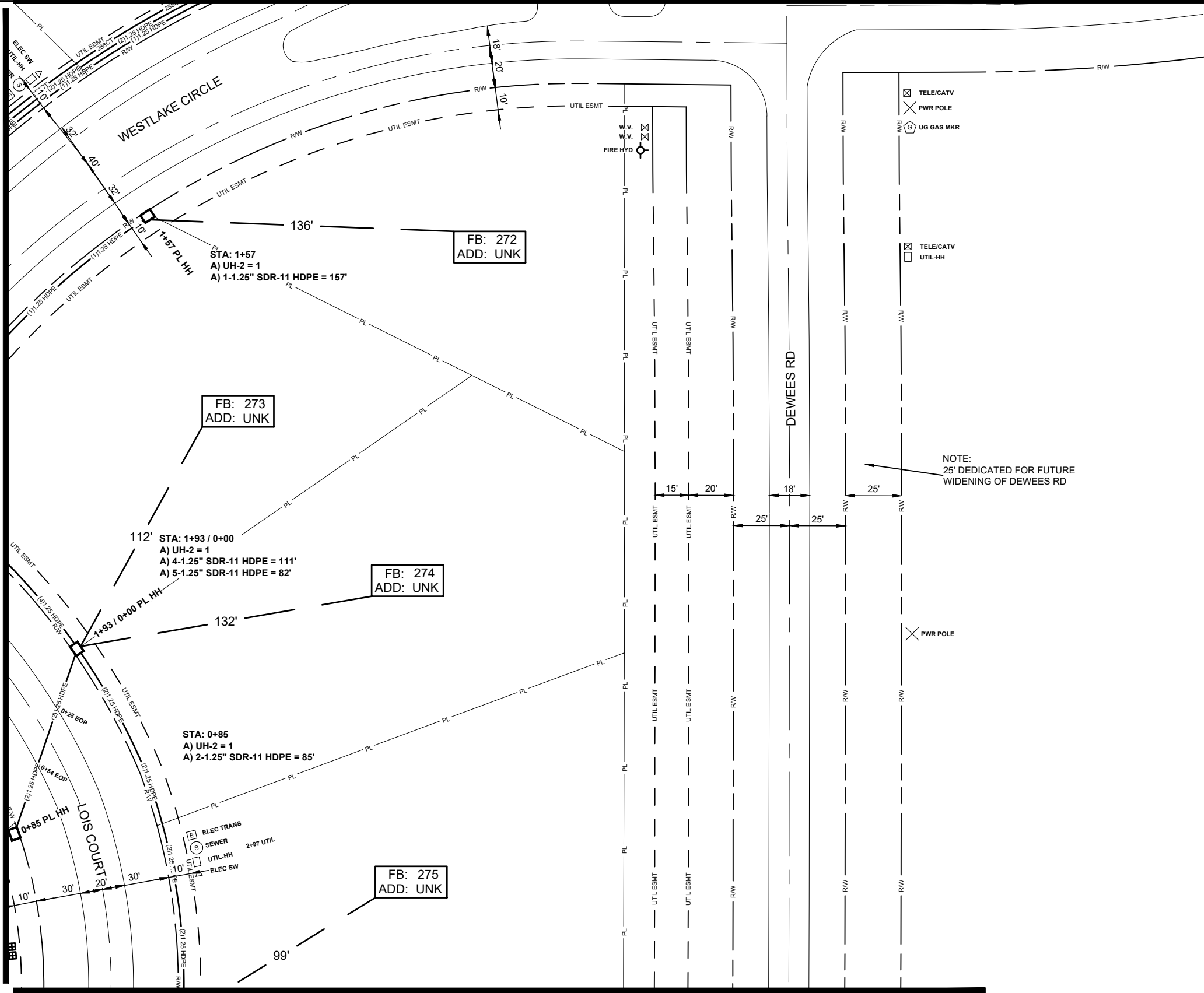
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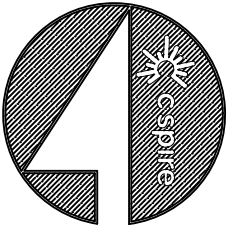
SEE SHEET 6

SEE SHEET 5

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





FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE
CONSTRUCTION

SHEET
005
DRAWN BY
SQUAN

SCALE
1"=50'
PAGE
5

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	3
19	UH3	
20	UH4	
21	UH5	
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	448
24	3-1.25" SDR11 HDPE	
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

PREPARED BY



PREPARED FOR



MAP NUMBER

6	4
7	

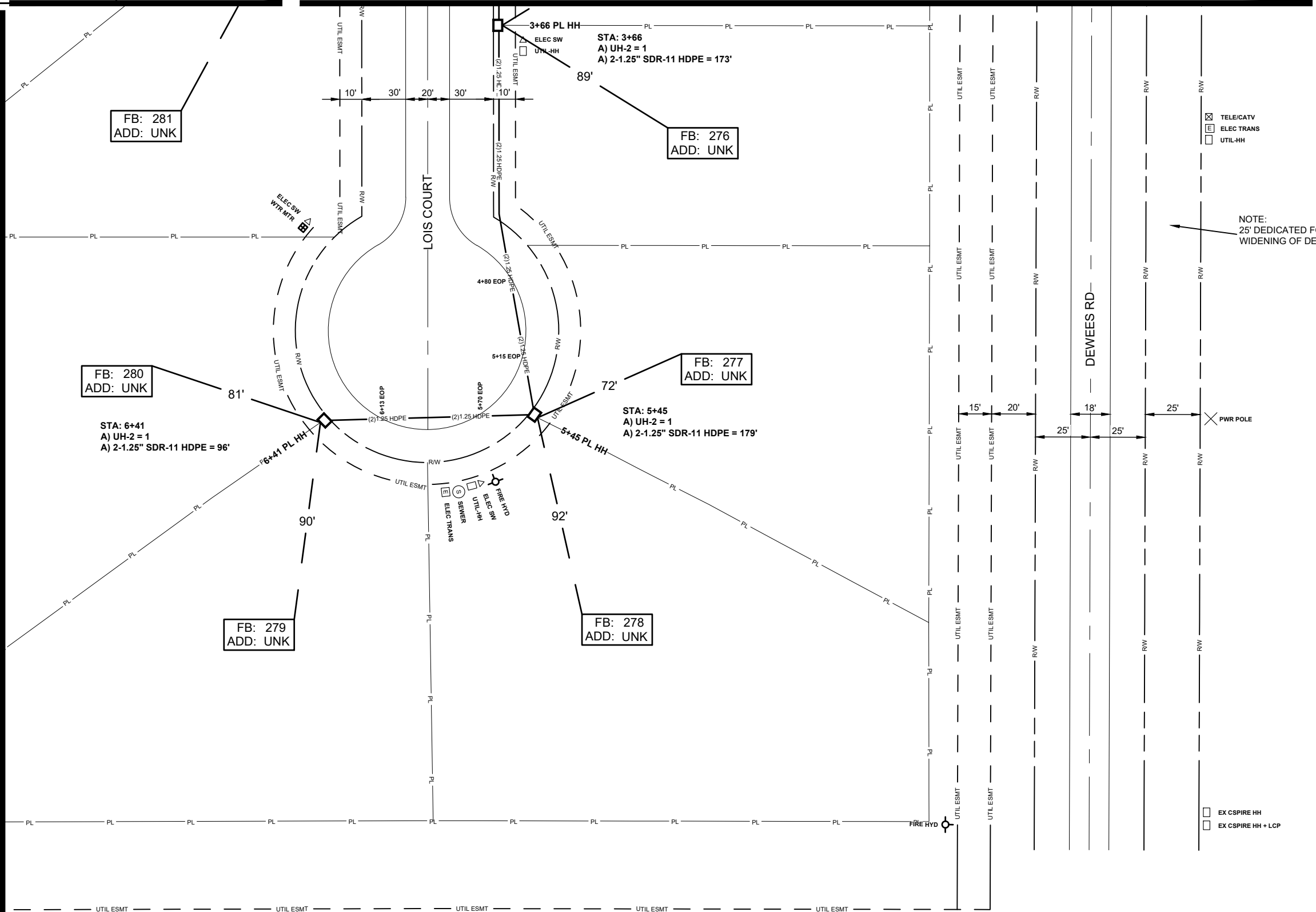
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ALL CABLE WILL BE PLACED BY METHOD OF DIRECTIONAL BORE MIN 2' OFF ROW OR EASEMENT @ 42" DOC UNLESS OTHERWISE NOTED.

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

SEE SHEET 7



FB: 281
ADD: UNK

FB: 276
ADD: UNK

FB: 280
ADD: UNK

FB: 277
ADD: UNK

FB: 279
ADD: UNK

FB: 278
ADD: UNK

TELE/CATV
ELEC TRANS
UTIL-HH

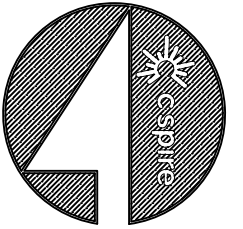
NOTE:
25' DEDICATED FC
WIDENING OF DEI

EX CSPIRE HH
EX CSPIRE HH + LCP

STA: 6+41
A) UH-2 = 1
A) 2-1.25" SDR-11 HDPE = 96'

STA: 5+45
A) UH-2 = 1
A) 2-1.25" SDR-11 HDPE = 179'

STA: 3+66
A) UH-2 = 1
A) 2-1.25" SDR-11 HDPE = 173'



FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
SHEET	DRAWN BY
006	SQUAN
SCALE	PAGE
1"=50'	6

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	100
2	TRIDENT RTD 1X12	100
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	435
15	288 CT FOC LOOP	100
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	1
19	UH3	
20	UH4	1
21	UH5	
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	
24	3-1.25" SDR11 HDPE	532
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	1
28	GROUND ROD	1
29	SPLICES	24
30	BM53FA	1

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

PREPARED BY



PREPARED FOR

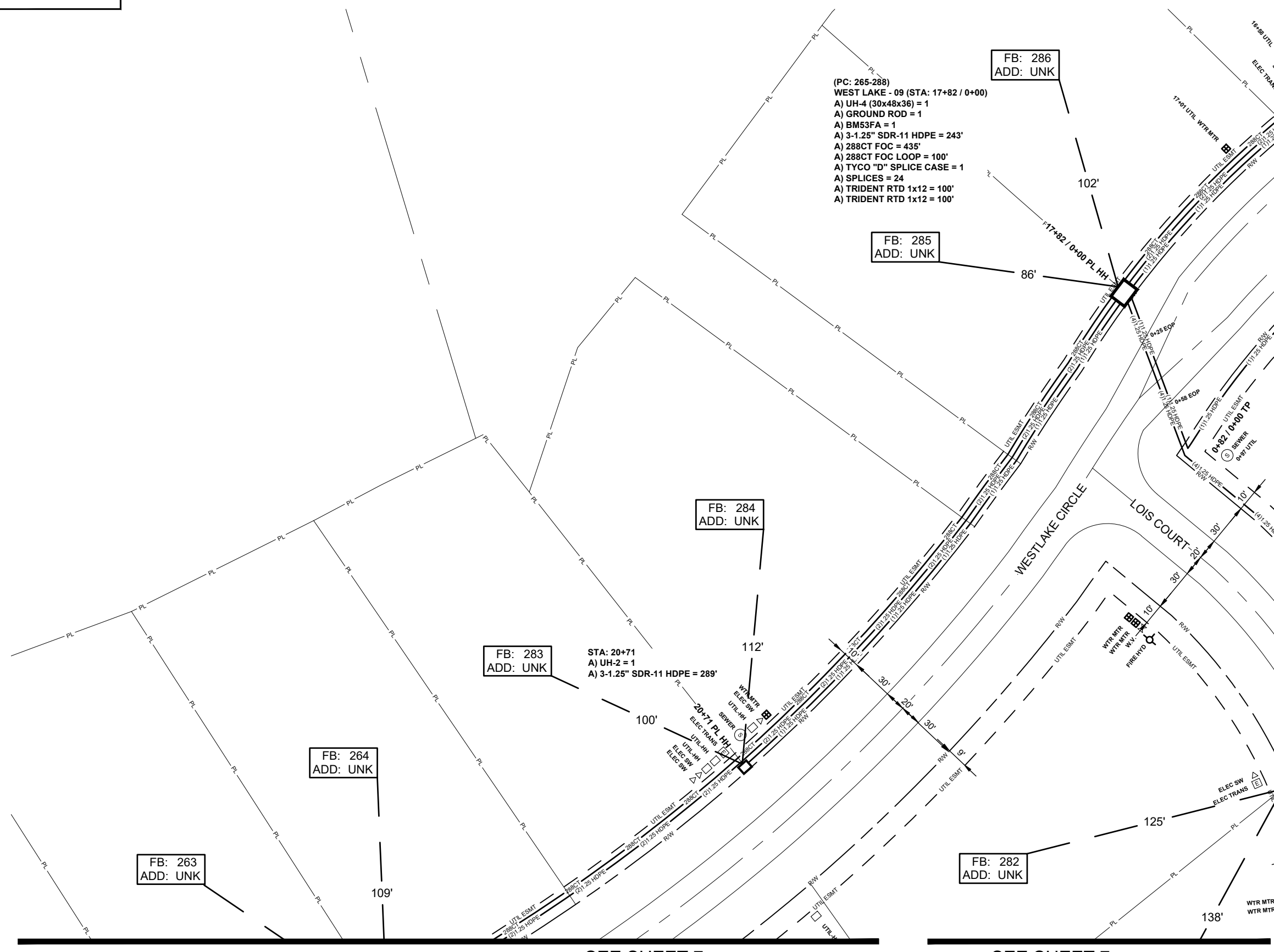


MAP NUMBER

	7	4
		5

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(PC: 265-288)
WEST LAKE - 09 (STA: 17+82 / 0+00)
A) UH-4 (30x48x36) = 1
A) GROUND ROD = 1
A) BM53FA = 1
A) 3-1.25" SDR-11 HDPE = 243'
A) 288CT FOC = 435'
A) 288CT FOC LOOP = 100'
A) TYCO "D" SPLICE CASE = 1
A) SPLICES = 24
A) TRIDENT RTD 1x12 = 100'
A) TRIDENT RTD 1x12 = 100'

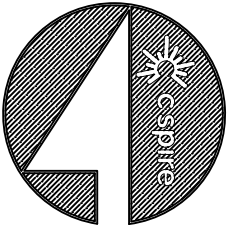
SEE SHEET 7

SEE SHEET 7

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

SEE SHEET 6



FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
	CONSTRUCTION
SHEET	DRAWN BY
007	SQUAN
SCALE	PAGE
1"=50'	7

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	100
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	495
15	288 CT FOC LOOP	100
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	3
19	UH3	
20	UH4	1
21	UH5	
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	475
24	3-1.25" SDR11 HDPE	201
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	1
28	GROUND ROD	1
29	SPLICES	12
30	BM53FA	1

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

PREPARED BY



PREPARED FOR



MAP NUMBER

8	5
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DISCLAIMER

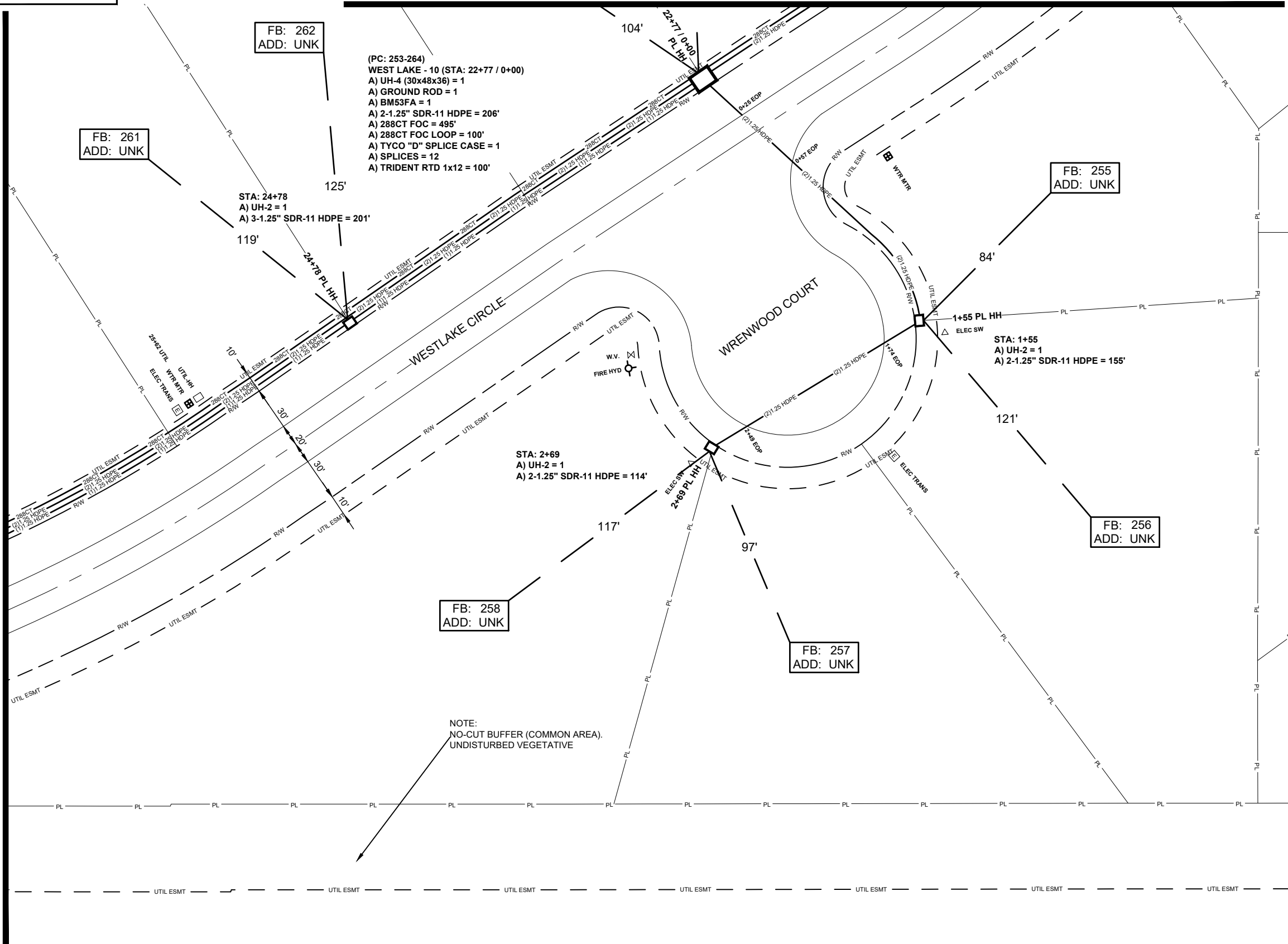
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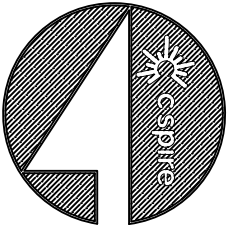
ALL CABLE WILL BE PLACED BY METHOD OF DIRECTIONAL BORE MIN 2' OFF ROW OR EASEMENT @ 42" DOC UNLESS OTHERWISE NOTED.

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

SEE SHEET 8

SEE SHEET 5





FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
	CONSTRUCTION
SHEET	DRAWN BY
008	SQUAN
SCALE	PAGE
1"=50'	8

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	2
19	UH3	
20	UH4	
21	UH5	
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	464
24	3-1.25" SDR11 HDPE	199
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

PREPARED BY



PREPARED FOR



MAP NUMBER

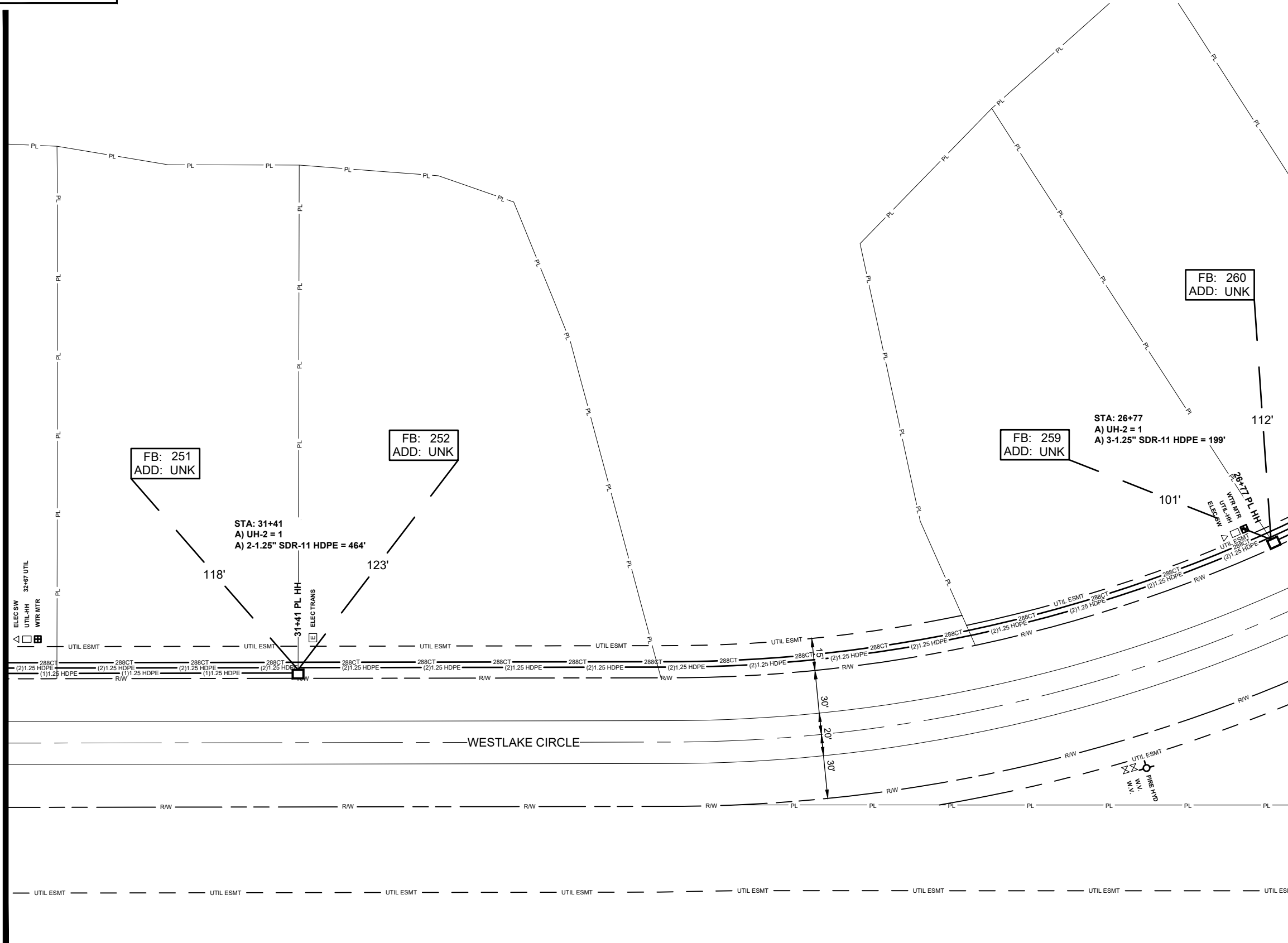
9	7
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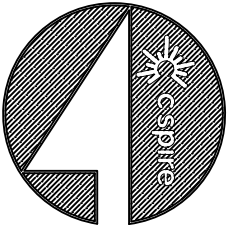
SEE SHEET 9

SEE SHEET 7



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



FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
	CONSTRUCTION
SHEET	DRAWN BY
009	SQUAN
SCALE	PAGE
1"=50'	9

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	100
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	1287
15	288 CT FOC LOOP	50
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	2
19	UH3	
20	UH4	1
21	UH5	
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	213
24	3-1.25" SDR11 HDPE	423
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	1
28	GROUND ROD	1
29	SPLICES	12
30	BM53FA	1

REVISIONS

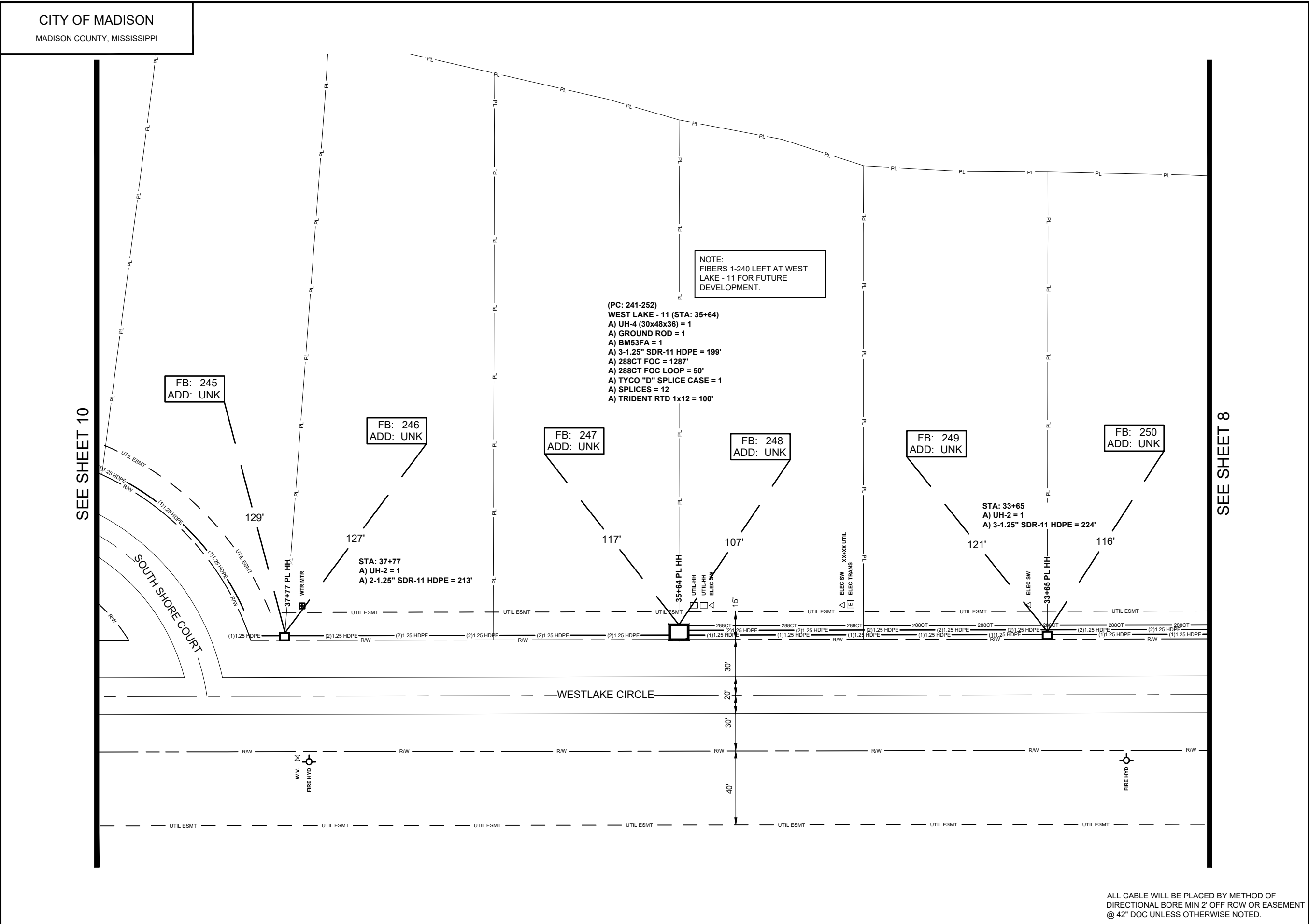
REV.	DESCRIPTION	INITIALS	DATE
1			
2			

PREPARED BY
SQUAN
PREPARED FOR
cspire

MAP NUMBER

10	9	8
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NOTE:
FIBERS 1-240 LEFT AT WEST LAKE - 11 FOR FUTURE DEVELOPMENT.

(PC: 241-252)
WEST LAKE - 11 (STA: 35+64)
A) UH-4 (30x48x36) = 1
A) GROUND ROD = 1
A) BM53FA = 1
A) 3-1.25" SDR-11 HDPE = 199'
A) 288CT FOC = 1287'
A) 288CT FOC LOOP = 50'
A) TYCO "D" SPLICE CASE = 1
A) SPLICES = 12
A) TRIDENT RTD 1x12 = 100'

FB: 245
ADD: UNK

FB: 246
ADD: UNK

FB: 247
ADD: UNK

FB: 248
ADD: UNK

FB: 249
ADD: UNK

FB: 250
ADD: UNK

STA: 33+65
A) UH-2 = 1
A) 3-1.25" SDR-11 HDPE = 224'

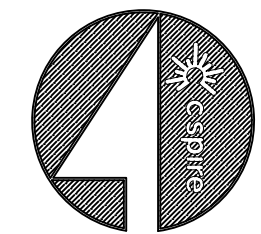
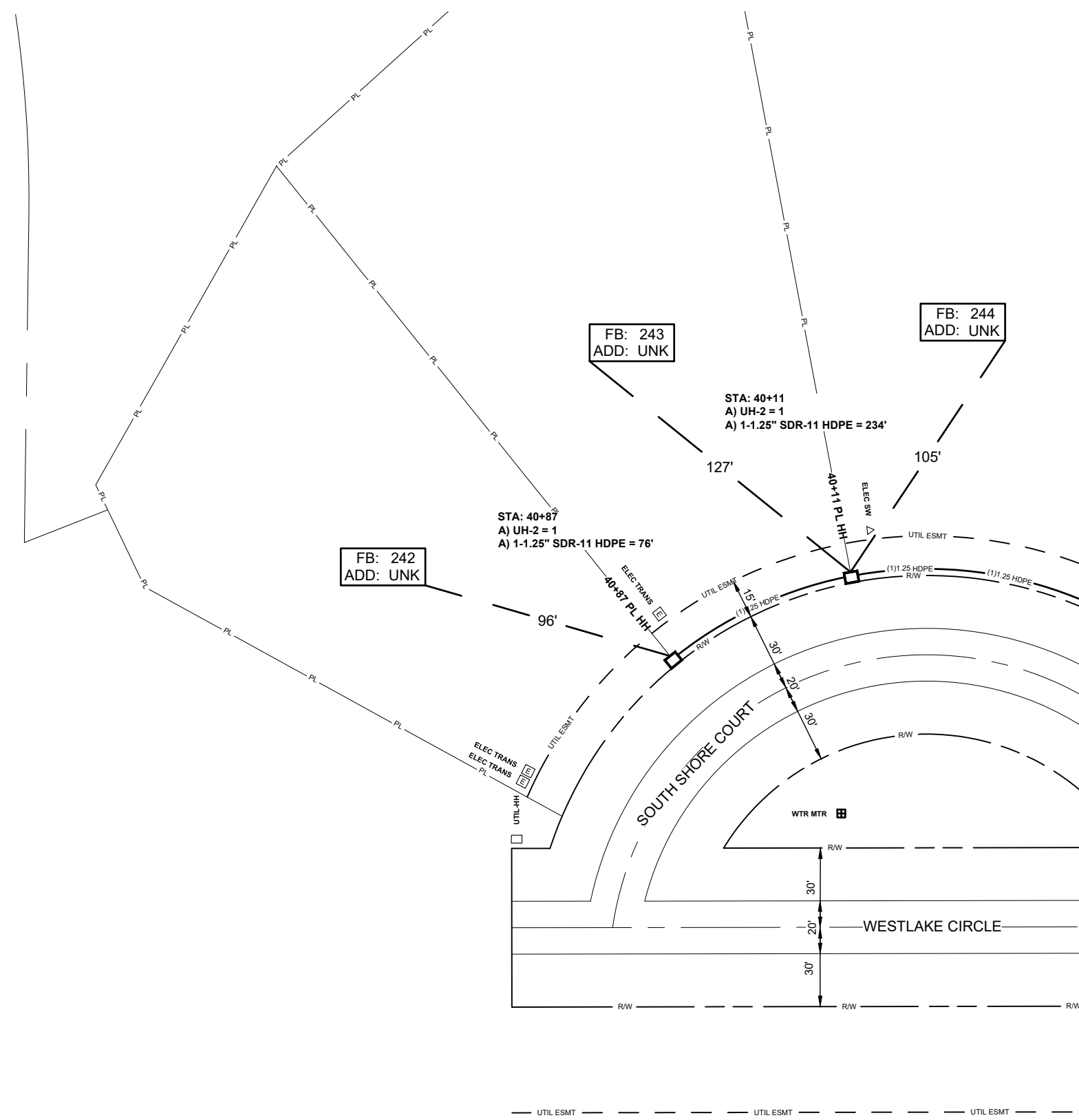
STA: 37+77
A) UH-2 = 1
A) 2-1.25" SDR-11 HDPE = 213'

SEE SHEET 10

SEE SHEET 8

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



FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	CONSTRUCTION
SHEET 010	DRAWN BY SQUAN
SCALE 1"=50'	PAGE 10

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	2
19	UH3	
20	UH4	
21	UH5	
22	1-1.25" SDR11 HDPE	310
23	2-1.25" SDR11 HDPE	
24	3-1.25" SDR11 HDPE	
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

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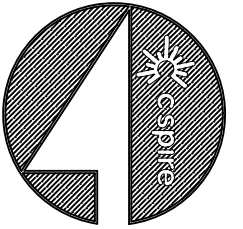
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18	9
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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 1-800-227-6477



FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
	CONSTRUCTION
SHEET	DRAWN BY
011	SQUAN
SCALE	PAGE
1"=50'	11

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	100
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	582
15	288 CT FOC LOOP	100
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	5
19	UH3	
20	UH4	1
21	UH5	
22	1-1.25" SDR11 HDPE	294
23	2-1.25" SDR11 HDPE	368
24	3-1.25" SDR11 HDPE	356
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	1
28	GROUND ROD	1
29	SPLICES	12
30	BM53FA	1

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

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MAP NUMBER

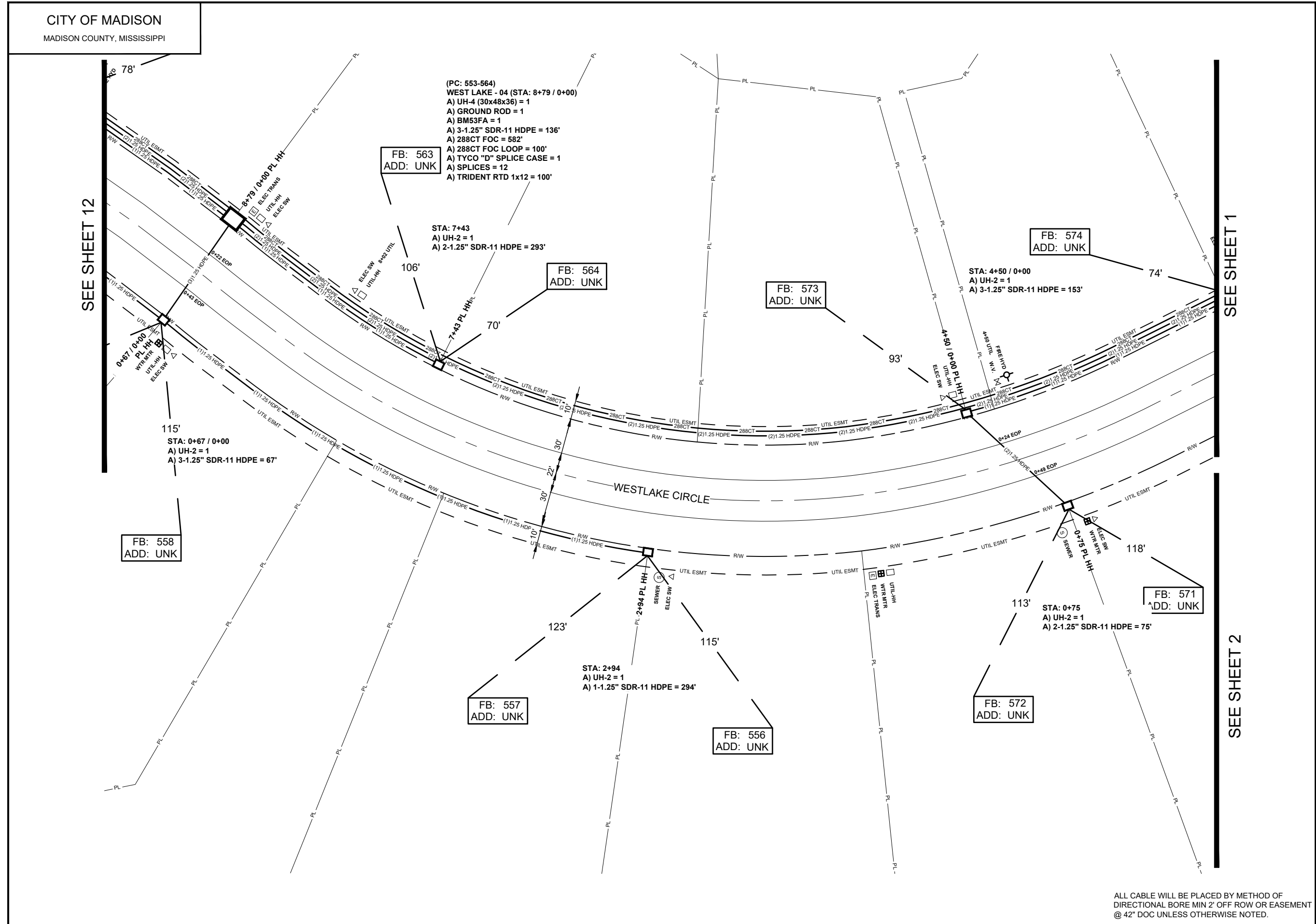
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SEE SHEET 12

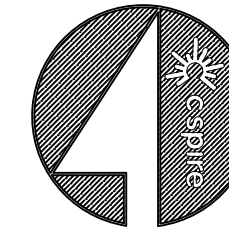
SEE SHEET 1

SEE SHEET 2



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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
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FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
SHEET	CONSTRUCTION
012	DRAWN BY
	SQUAN
SCALE	PAGE
1"=50'	12

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	100
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	587
15	288 CT FOC LOOP	100
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	5
19	UH3	
20	UH4	1
21	UH5	
22	1-1.25" SDR11 HDPE	385
23	2-1.25" SDR11 HDPE	235
24	3-1.25" SDR11 HDPE	457
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	1
28	GROUND ROD	1
29	SPLICES	12
30	BM53FA	1

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

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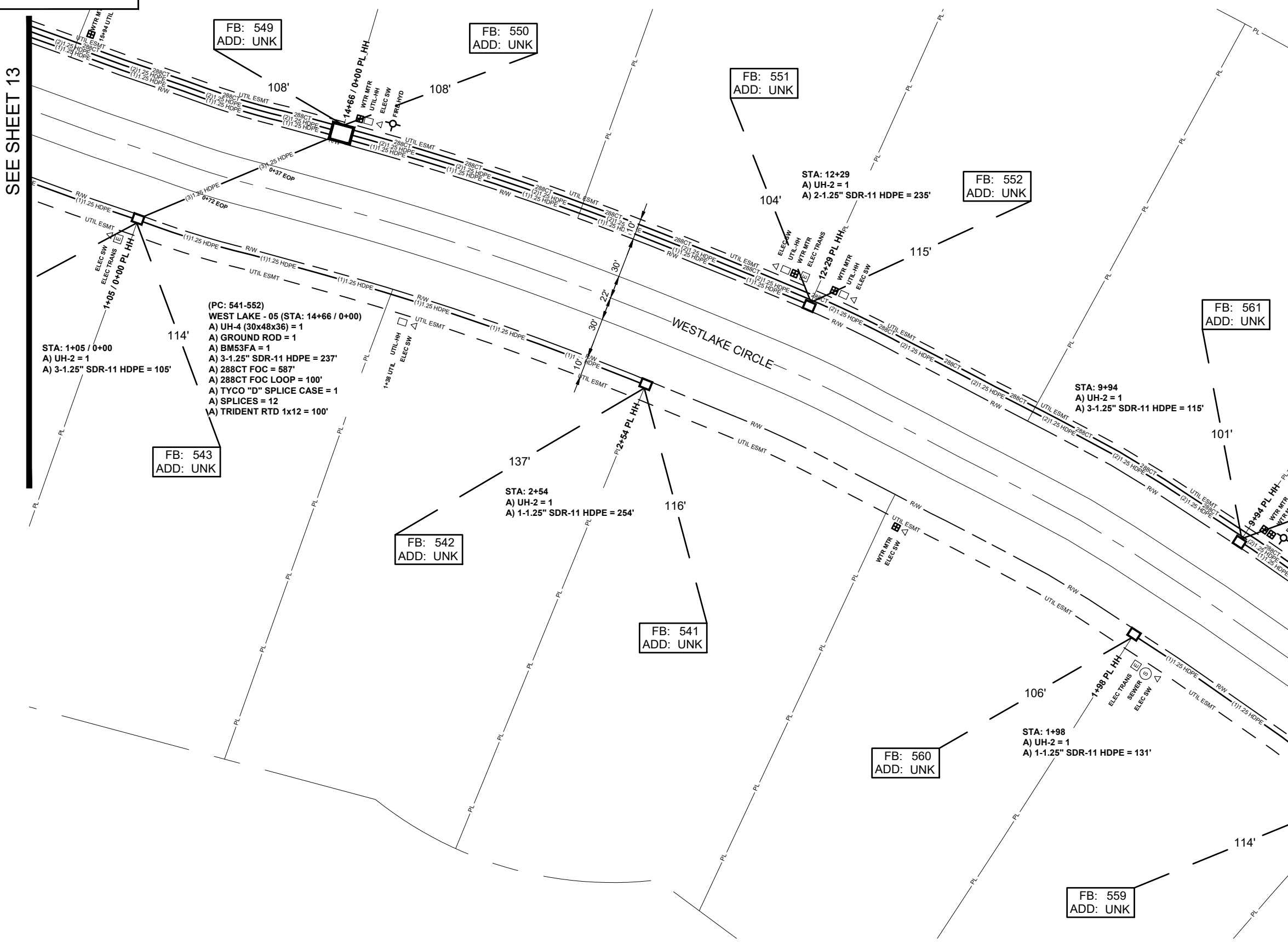
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4	5	6
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10	11	12

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SEE SHEET 13

SEE SHEET 11



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SEE SHEET 14



FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
SHEET	CONSTRUCTION
013	DRAWN BY
	SQUAN
SCALE	PAGE
1"=50'	13

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	100
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	536
15	288 CT FOC LOOP	100
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	3
19	UH3	
20	UH4	1
21	UH5	
22	1-1.25" SDR11 HDPE	235
23	2-1.25" SDR11 HDPE	336
24	3-1.25" SDR11 HDPE	267
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	1
28	GROUND ROD	1
29	SPLICES	12
30	BM53FA	1

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

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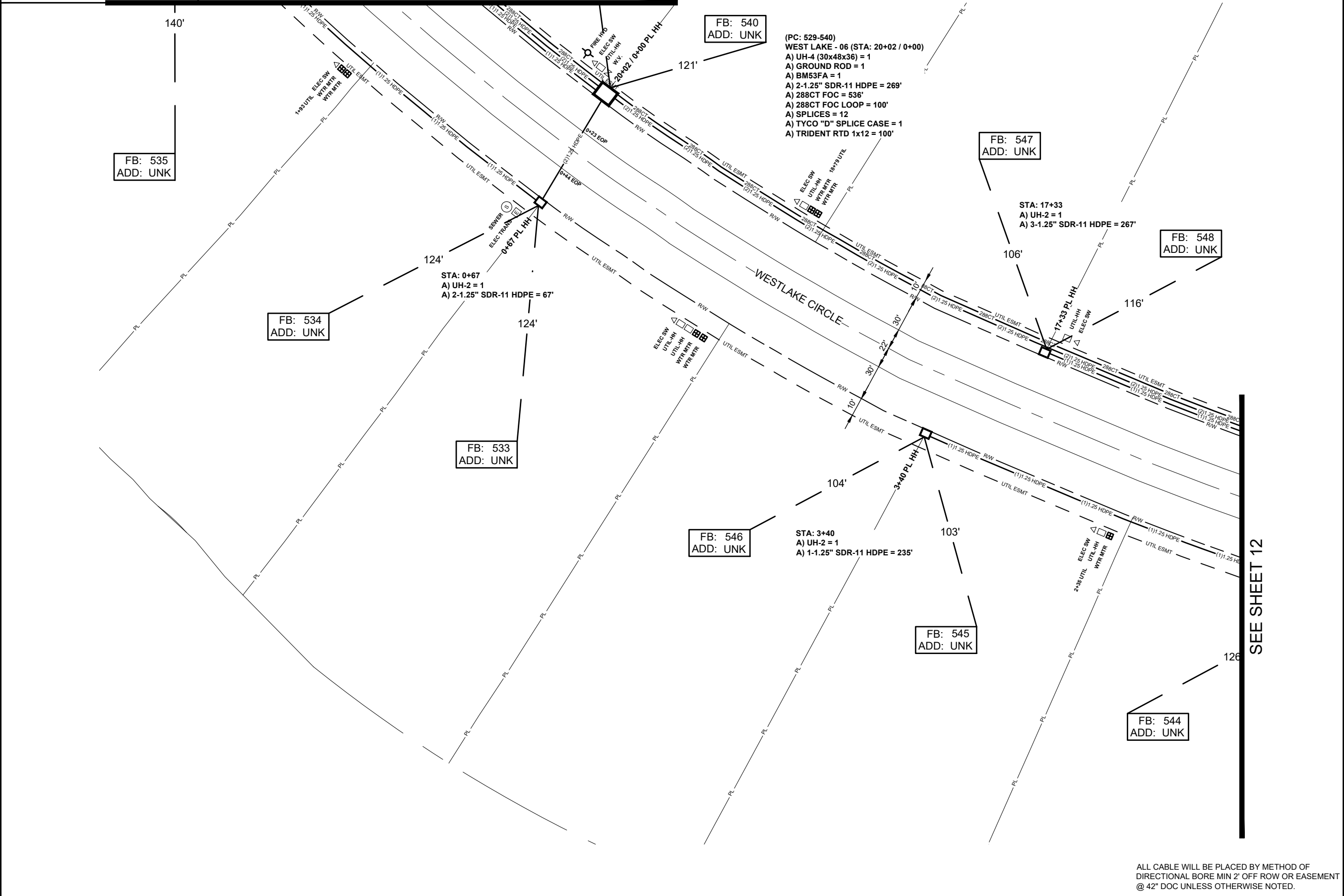


MAP NUMBER

14	13	12
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DISCLAIMER

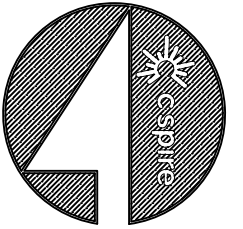
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(PC: 529-540)
WEST LAKE - 06 (STA: 20+02 / 0+00)
A) UH-4 (30x48x36) = 1
A) GROUND ROD = 1
A) BM53FA = 1
A) 2-1.25" SDR-11 HDPE = 269'
A) 288CT FOC = 536'
A) 288CT FOC LOOP = 100'
A) SPLICES = 12
A) TYCO "D" SPLICE CASE = 1
A) TRIDENT RTD 1x12 = 100'

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FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
	CONSTRUCTION
SHEET	DRAWN BY
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1"=50'	14

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	4
19	UH3	
20	UH4	
21	UH5	
22	1-1.25" SDR11 HDPE	514
23	2-1.25" SDR11 HDPE	238
24	3-1.25" SDR11 HDPE	249
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

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MAP NUMBER

13	14	15

DISCLAIMER

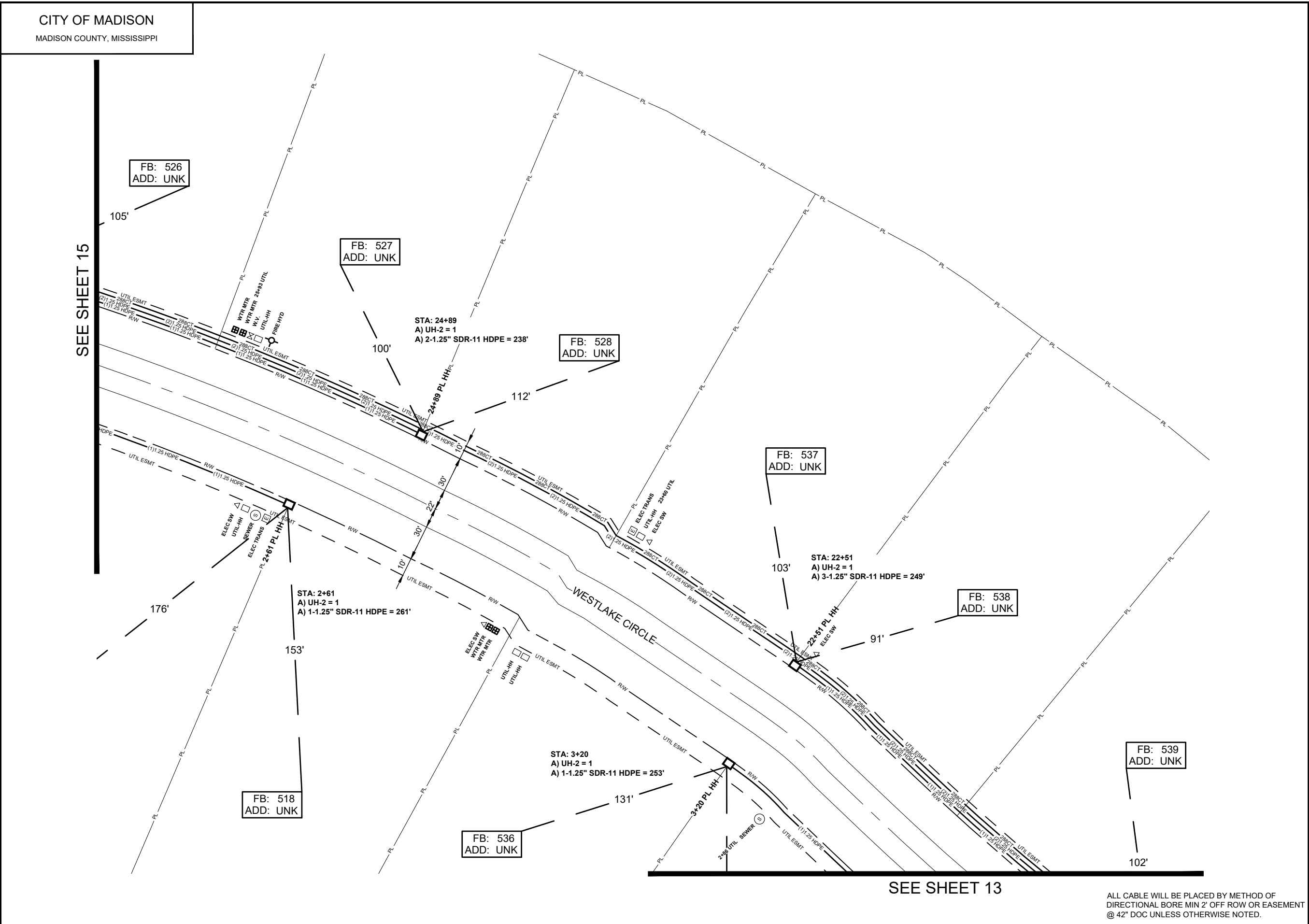
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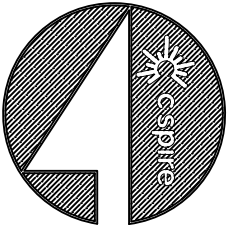
SEE SHEET 15

SEE SHEET 13

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FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	CONSTRUCTION
SHEET 015	DRAWN BY SQUAN
SCALE 1"=50'	PAGE 15

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	100
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	726
15	288 CT FOC LOOP	50
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	3
19	UH3	
20	UH4	1
21	UH5	
22	1-1.25" SDR11 HDPE	380
23	2-1.25" SDR11 HDPE	
24	3-1.25" SDR11 HDPE	343
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	1
28	GROUND ROD	1
29	SPLICES	12
30	BM53FA	1

REVISIONS

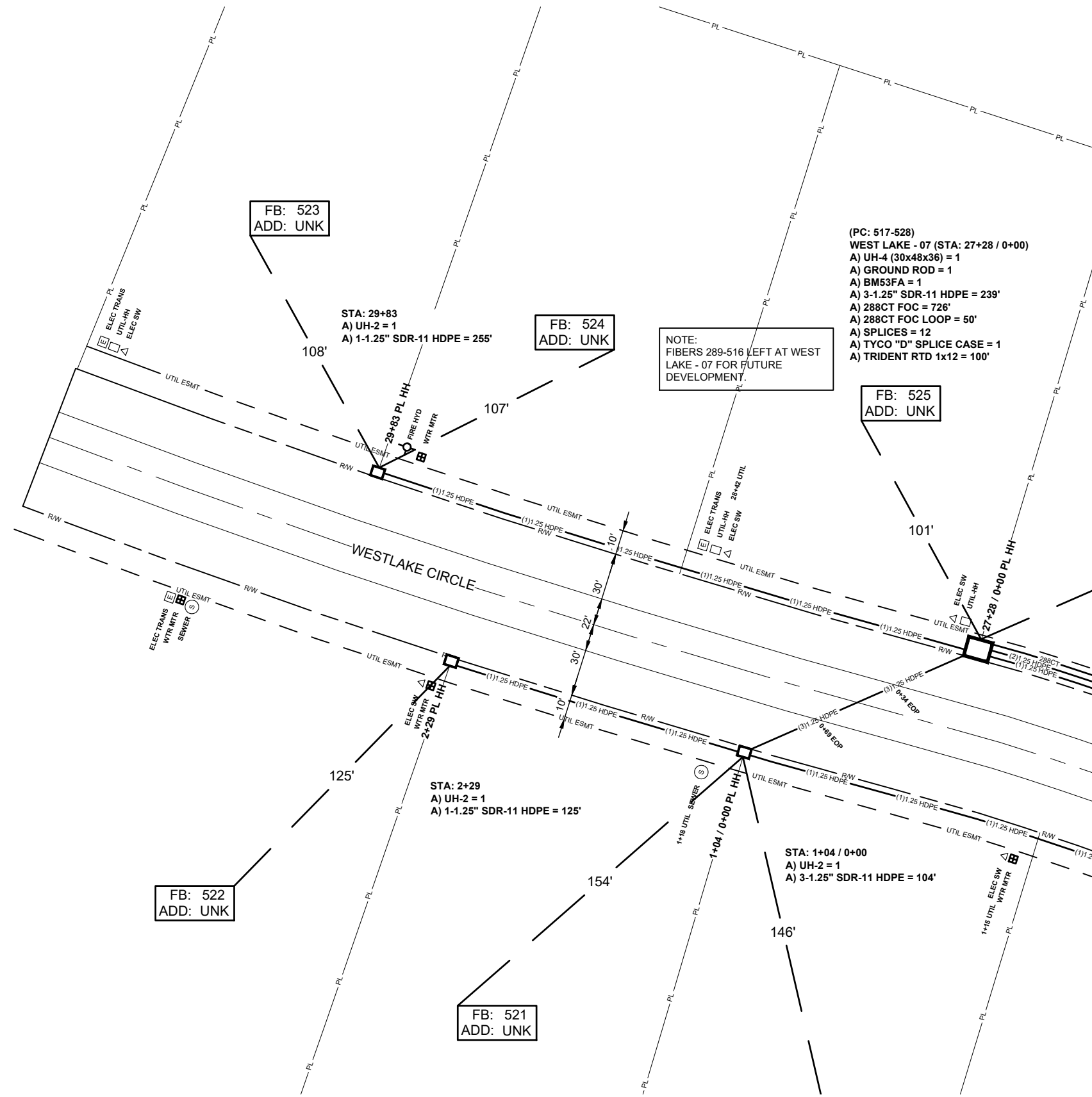
REV.	DESCRIPTION	INITIALS	DATE
1			
2			

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MAP NUMBER

15
14

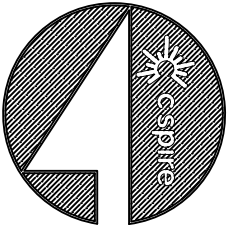
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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
ONE CALL SYSTEM @ 1-800-227-6477



FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
SHEET	CONSTRUCTION
SHEET	DRAWN BY
SHEET	DRAWN BY
SCALE	PAGE
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MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	
19	UH3	
20	UH4	
21	UH5	
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	
24	3-1.25" SDR11 HDPE	
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

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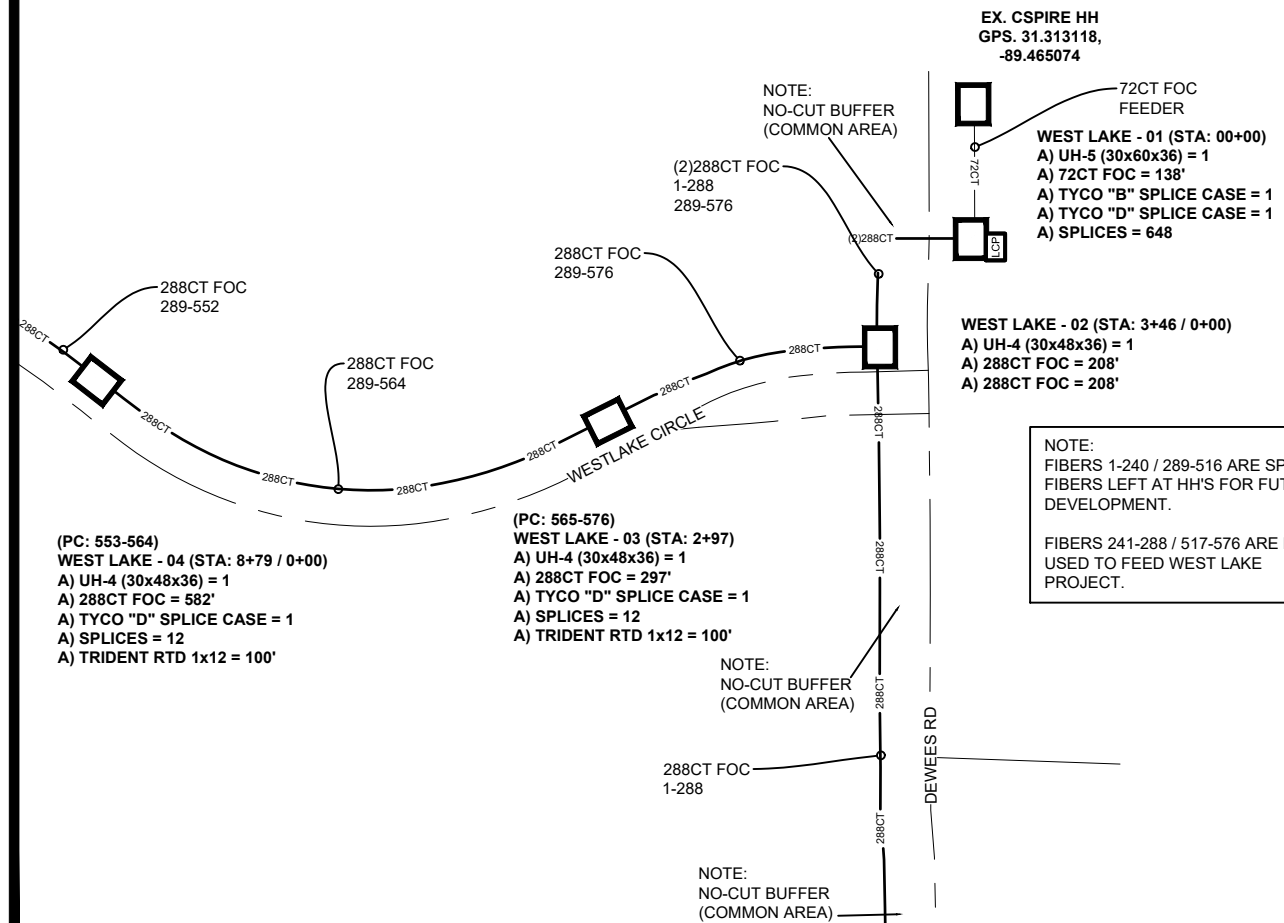
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4	2
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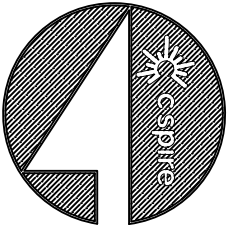
SEE SHEET 4



SEE SHEET 2

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



FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
	CONSTRUCTION
SHEET	DRAWN BY
SCHEMATIC 002	SQUAN
SCALE	PAGE
NTS	2

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	
19	UH3	
20	UH4	
21	UH5	
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	
24	3-1.25" SDR11 HDPE	
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

REVISIONS

REV.	DESCRIPTION	INITIALS	DATE
1			
2			

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MAP NUMBER

1	1
3	2

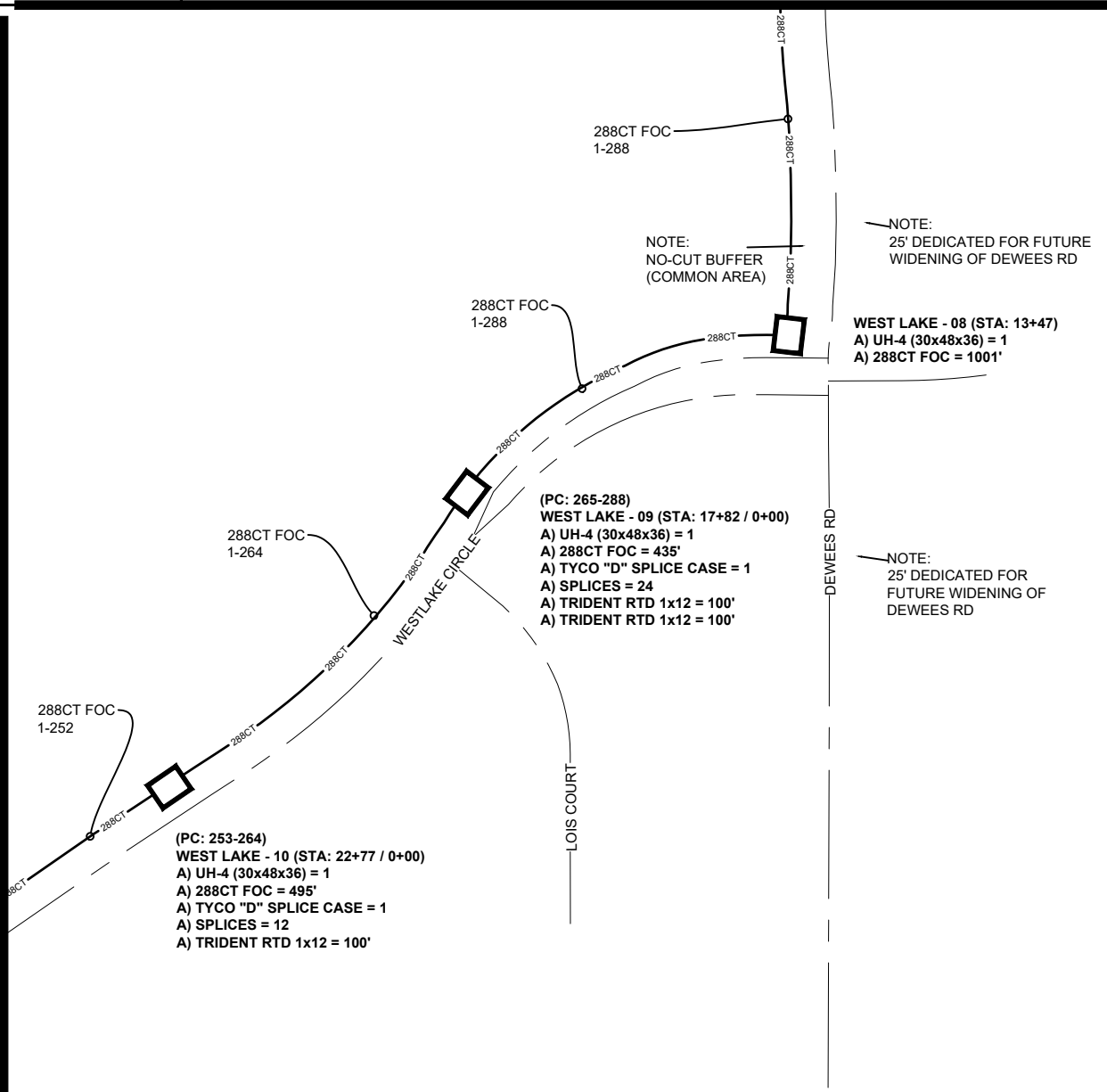
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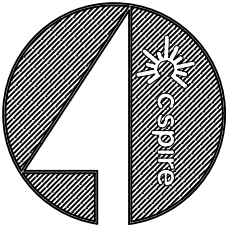
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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
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SEE SHEET 3





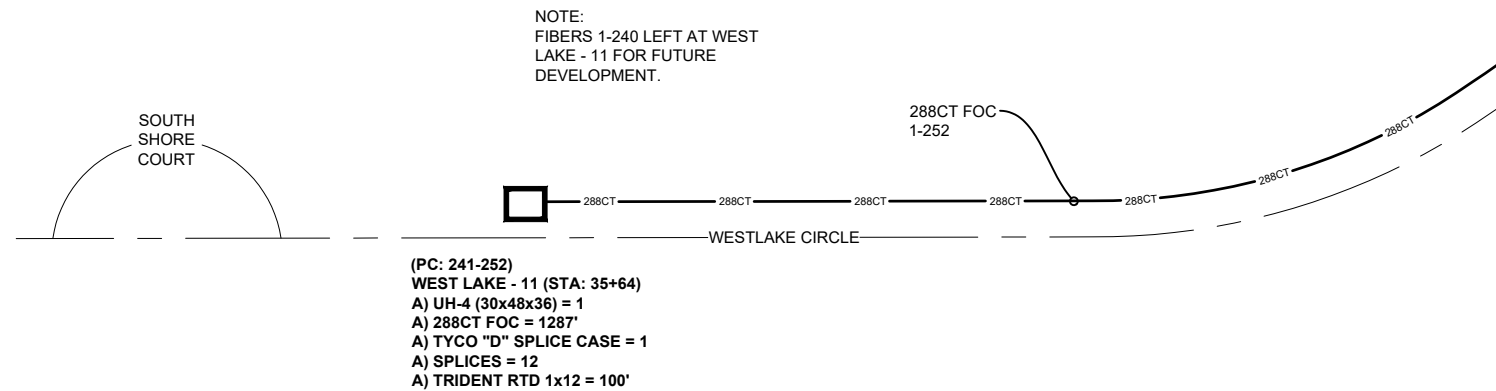
FILE NAME
WEST LAKE
PROJECT CITY
MADISON, MS
FULL FILENAME

DATE	DESCRIPTION
SHEET	CONSTRUCTION
SCHEMATIC 003	DRAWN BY
	SQUAN
SCALE	PAGE
NTS	3

MATERIALS LIST

ITEM	DESCRIPTION	QTY.
1	TRIDENT RTD 1X12	
2	TRIDENT RTD 1X12	
3	TRIDENT RTD 1X12	
4	12 CT FOC	
5	12 CT FOC LOOP	
6	24 CT FOC	
7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	
19	UH3	
20	UH4	
21	UH5	
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	
24	3-1.25" SDR11 HDPE	
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

SEE SHEET 2



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NOTIFY ALL UTILITIES 72 HOURS PRIOR TO CONSTRUCTION ACTIVITY.
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REVISIONS

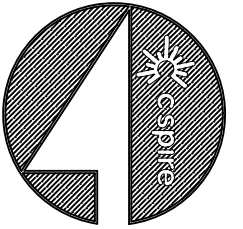
REV.	DESCRIPTION	INITIALS	DATE
1			
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MAP NUMBER

4	2
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FILE NAME
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FULL FILENAME

DATE	DESCRIPTION
	CONSTRUCTION
SHEET	DRAWN BY
SCHEMATIC 004	SQUAN
SCALE	PAGE
NTS	4

MATERIALS LIST

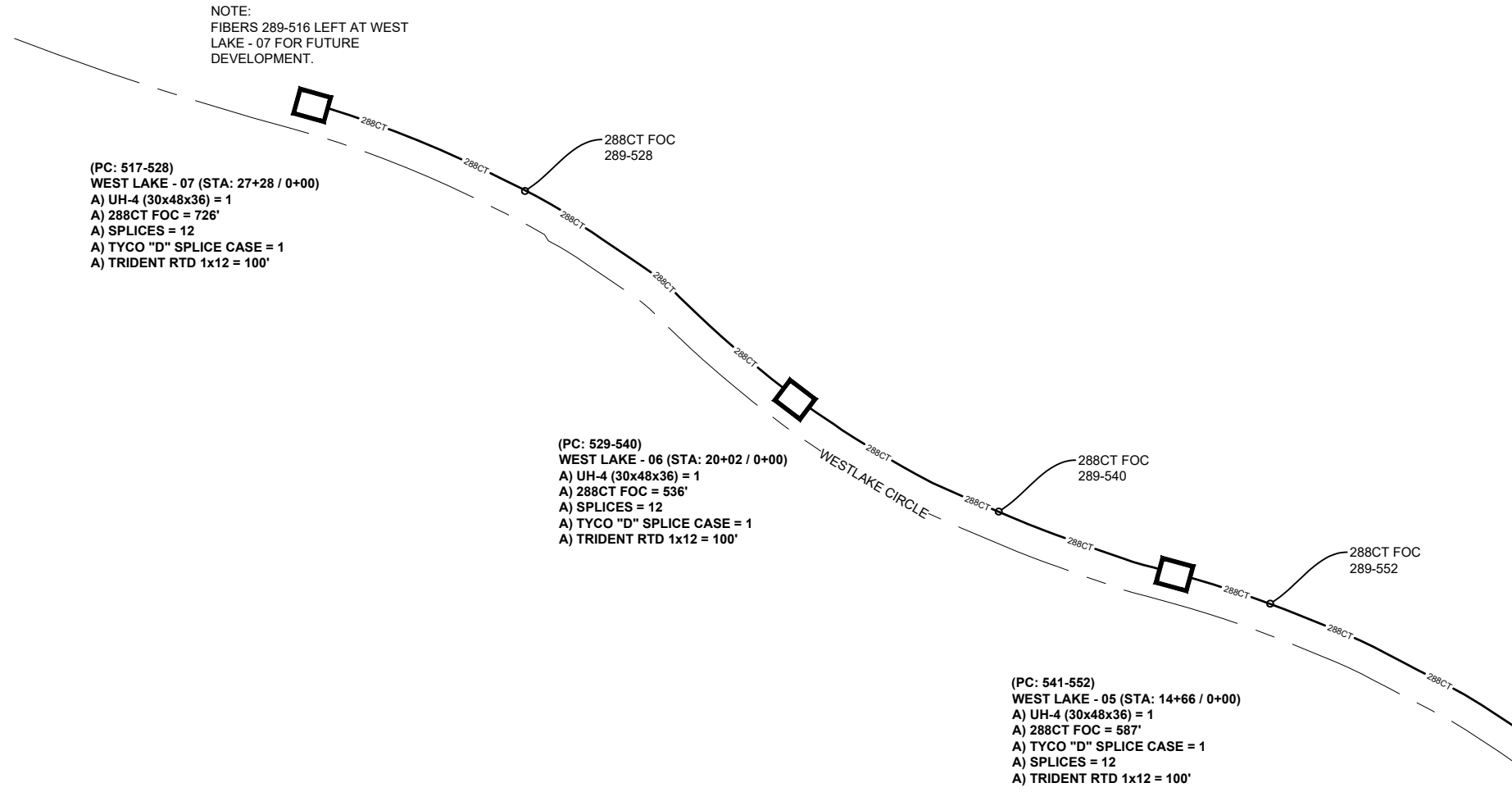
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4	12 CT FOC	
5	12 CT FOC LOOP	
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7	24 CT FOC LOOP	
8	48 CT FOC	
9	48 CT FOC LOOP	
10	72 CT FOC	
11	72 CT FOC LOOP	
12	96 CT FOC	
13	96 CT FOC LOOP	
14	288 CT FOC	
15	288 CT FOC LOOP	
16	BDO576P LCP	
17	576 LCP PAD	
18	UH2	
19	UH3	
20	UH4	
21	UH5	
22	1-1.25" SDR11 HDPE	
23	2-1.25" SDR11 HDPE	
24	3-1.25" SDR11 HDPE	
25	4-1.25" SDR11 HDPE	
26	TYCO "B" SPLICE CASE	
27	TYCO "D" SPLICE CASE	
28	GROUND ROD	
29	SPLICES	
30	BM53FA	

REVISIONS			
REV.	DESCRIPTION	INITIALS	DATE
1			
2			

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MAP NUMBER		
	4	1
	3	2

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SEE SHEET 1

SEE SHEET 3

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