


**COVERSHEET**

	RUS Code:	W/O #:	379008
	EXT 740 C:	WP #:	
	Loan Nbr: BA8	LOC #:	54-000-30-07901
	Loan Ywr: 2014	Name:	WAYNE L BARROS
	AFF #:	(H) Phone #:	3526330
17330 MN-371 Brainerd, MN 56401 (218) - 829 - 2827	Elec:	(W) Phone #:	
	RFCd:	(C) Phone #:	
	By:	Acct #:	

City:	Staked By: JUSTIN M MCKEE
Sec: 30	Date: 8/31/2016 12:00:00AM
Twp: 133	Signed By:
Rg: 31	Date: 08/08/2016

Tailgate Session	
Job Steps:	Work Procedures:
PPE Needed:	Job Hazards:
Source Control Verified/Size:	Equipment Needed:
Personal Tools:	1-Shot/K-Fuse Size:
Crew:	Date:
Comments:	

Gopher State	
Locate #:	Date OK:

Comments 1:
Comments 2:
Comments 3:

Septic:	Row 1: WAYNE BARROWS	Rd Permit:	<input checked="" type="checkbox"/>
Priv Elec:	Row 2:	Cty Permit:	
LP Line:	Line Ext \$      Bore/Push \$      Permit \$      Ped/Loop \$      Total \$	Fees:	
Sprinkler:	Backfill Comments:	TWP Permit:	
Final Grade:		State Permit:	
Brushing:		DNR Permit:	
Trees:		Joint Trench:	
Easements: <input checked="" type="checkbox"/>		Notify TWP:	

Reel ID:	Start Ftg:	End Ftg:
Reel ID:	Start Ftg:	End Ftg:
Reel ID:	Start Ftg:	End Ftg:

CONDUCTOR SUMMARY			
STATUS	CONDUCTOR	TYPE	QTY (FT)
INSTALL	1/0 15KV JAC 220 MIL	PRIMARY	447
RETIRE	1/0 ACSR	PRIMARY	582
INSTALL	2 INNERDUCT	SECONDARY	313
INSTALL	4 TX	SECONDARY	75
INSTALL	4/0 USE	SECONDARY	13
RETIRE	4 TX	SECONDARY	131



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Signed By:	Loan Nbr: BA8	Name: WAYNE L BARROS
Date:	Loan Ywr: 2014	Acct #:
Warehouse:		

**ASSEMBLY UNIT SUMMARY**

ASSEMBLY NAME	DESCRIPTION	INSTALLED	RETIRED
1/0 15KV JAC 220 MIL	CABLE, 15KV 1/0 SOLID (JACKET) 220 MIL	<b>447</b>	-
1/0 ACSR	1/0 ACSR	-	<b>582</b>
2 INNERDUCT	2 INNERDUCT	<b>313</b>	-
35-5	35-5 POLE	<b>1</b>	<b>1</b>
35-6	35-6 POLE	-	<b>1</b>
4 TX	4 ALTX	<b>75</b>	<b>131</b>
4/0 USE	4/0 600V USE	<b>13</b>	-
A1.1	(OLD A1) SINGLE PRIMARY SUPPORT, SINGLE	<b>1</b>	<b>1</b>
A2.21	(OLD A9)1 PHASE X-ARM (DOUBLE LINE ARM)	-	<b>1</b>
A5.1	(OLD A5)PRIMARY SINGLE PHASE DEAD END	<b>1</b>	<b>1</b>
A6.21	(OLD A8)DOUBLE DEADEND ON CROSSARMS	-	<b>1</b>
E1.1	(OLD E1-2)SINGLE DOWN GUY	<b>2</b>	<b>4</b>
F2.8	(OLD F1-2S)POWER DRIVE 5/8"	<b>1</b>	<b>3</b>
G10-10	SINGLE PHASE TRANSFORMER ON DEAD END POL	-	<b>1</b>
H1.1	(OLD M2-11)GROUNDING ASSY GROUND ROD TYP	-	<b>1</b>
K15L	SECONDARY DEADEND ASSY.	-	<b>1</b>
UA1	SINGLE PHASE CABLE TERMINAL POLE	<b>1</b>	-
UG7-15	SINGLE PHASE PAD MOUNTED TRANSFORMER (LO	<b>1</b>	-
UM27-2	SACRIFICIAL ANODE-EQUIPMENT GROUND PROTE	<b>1</b>	-
UM5	SECONDARY CABLE TERMINAL POLE RISER	<b>1</b>	-
UM6-1	LOADBREAK ELBOW (200A)	<b>1</b>	-
UM6-34	ELBOW ARRESTER	<b>1</b>	-

**MAJOR MATERIAL ITEM SUMMARY**

Description	MAT ITEM ID	INST QTY	Installed	Returned	RET QTY	Salvaged
ANODE, SACRIFICIAL 5#	11002	<b>2</b>			-	
CLAMP, BONDING	117002	<b>2</b>			<b>4</b>	
CLAMP, DEAD END	117004	<b>2</b>			<b>6</b>	
CLAMP, 3 BOLT GUY	117012	<b>4</b>			<b>8</b>	
DEADEND, TRIPLEX	117014	-			<b>1</b>	
WIRE, 1/0 ACSR	150002	-			<b>582</b>	
ARRESTER, LIGHTNING (LINE)	15202	<b>1</b>			-	
ELBOW ARRESTER 15 KV	15204	<b>1</b>			-	
WIRE, 4 ALTX	160008	<b>75</b>			<b>131</b>	
CLAMP, CONNECTOR	170002	<b>13</b>			<b>16</b>	
CLAMP, GROUND ROD	170004	<b>1</b>			<b>1</b>	
CLAMP, HOT LINE	170006	<b>1</b>			<b>1</b>	
TERMINALS TRANS SEC	180202	<b>3</b>			-	
ARM, CROSS 8"	182002	-			<b>4</b>	
CUTOUT, SINGLE SHOT LB 15KV	183004	<b>1</b>			-	
GUY ATTACHMENT	21002	<b>2</b>			<b>4</b>	
INS. POLE TOP 7.2KV	342004	<b>1</b>			<b>5</b>	
INS. SPOOL	342010	<b>1</b>			<b>1</b>	
INS. SUSP 7.2KV	342012	<b>1</b>			<b>3</b>	
MARKER, CABLE ROUTE	393002	<b>1</b>			-	
NUT, EYE	429002	-			<b>4</b>	
NUT, LOCK	429004	<b>8</b>			<b>36</b>	
NUT, THIMBLE EYE	429006	-			<b>1</b>	
PIN, X ARM 7.2KV	450002	-			<b>4</b>	
PIN, P.T. 7.2KV	450004	<b>1</b>			<b>1</b>	
POLE 35"	480004	<b>1</b>			<b>2</b>	
ROD, POWER DRIVE	530004	<b>1</b>			<b>3</b>	
ROD, ARMOUR	530006	-			<b>2</b>	
ROD, GROUND	530008	<b>1</b>			<b>1</b>	



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Date:	Loan Ywr: 2014	Acct #:
Warehouse:		

TUBING, GOPHER	530010	<b>313</b>			-
SCREWS, LAG	555002	<b>5</b>			<b>8</b>
U GUARD	576002	<b>50</b>			-
GRIPS, KELLEMS 25KV	630004	<b>2</b>			-
BOLT, CARRIAGE	63002	-			<b>4</b>
BOLT, DOUBLE ARMING	63004	-			<b>6</b>
BOLT, EYE	63006	<b>2</b>			<b>2</b>
BOLT, MACHINE 5/8"	63008	<b>8</b>			<b>12</b>
BOLT, UPSET	63012	<b>1</b>			<b>1</b>
HEAT SHRINK, SMALL	667704	<b>2</b>			-
TERMINATOR AER 25KV 1/0 & 4/0	669104	<b>1</b>			-
ELBOW, 25 CABLE 15 BUSHING	669308	<b>1</b>			-
WRAPLOCK TIES	679002	<b>2</b>			<b>2</b>
10 KVA OH TRANSFORMER	693010	-			<b>1</b>
15 KVA URD TRANSFORMER	694015	<b>1</b>			-
WASHERS, SQUARE	710002	<b>13</b>			<b>47</b>
WIRE, 4 STRANDED BARE CU	720004	<b>20</b>			<b>8</b>
WIRE, 4-6 GROUND	720006	<b>21</b>			<b>61</b>
WIRE, AL TIE 4-6-7	720008	-			<b>24</b>
WIRE, 3/8" GUY	730004	<b>70</b>			<b>140</b>
BRACE, X ARM 28"	75002	-			<b>8</b>
BRACKET, CUTOUT (UPPER)	78012	<b>2</b>			-
CABLE, USE 600V 4/0	90004	<b>13</b>			-
ANCHOR, POWER DRIVE	9006	<b>1</b>			<b>3</b>
CABLE, 15KV 1/0 SOLID (JACKET)220 MIL	91006	<b>447</b>			-



5
Ext 566 1/0 ACSR
Ext 1 40-6
Ext 1 A1.1
Ext 1 H1.1
New 1 A5.1
New 1 E1.1
Ret 1 A6.21
Ret 2 E1.1
Ret 1 F2.8

1
Ext 550 1/0 ACSR
New 1 35-5
New 1 A1.1
New 1 UA1 10T FUSE
Ret 1 35-5
Ret 1 A1.1

2
New 40 15KV 1/0 SOLID (JACKET) 220 MIL



1403 AZALEA ROAD Morley

30

6
Ret 276 1/0 ACSR
Ret 1 A2.21
Ret 1 E1.1
Ret 1 F2.8

7
Ret 306 1/0 ACSR
Ret 1 35-6
Ret 1 A5.1
Ret 1 E1.1
Ret 1 F2.8
Ret 1 G10-10
Ret 1 H1.1
Ret 1 K15L

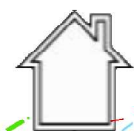
3
BORE
New 313 15KV 1/0 SOLID (JACKET) 220 MIL
New 313 2 INNERDUCT

4
New 94 15KV 1/0 SOLID (JACKET) 220 MIL
New 1 UG7-15
New 1 UM27-2
New 1 UM6 1
New 1 UM6-34

4.1
Ext 1 30-6
Ext 1 H1.1
Ext 1 K15L REFRAME
New 13 4/0 USE
New 1 E1.1
New 1 F2.8
New 1 UM5
Ret 74 4 TX

4.2
Ext 1 30-6
Ext 1 H1.1
Ext 1 K15L REFRAME
New 75 4 TX
Ret 57 4 TX

AZALEA (CSAH) 28)



WIRE TO GARAGE



RV

WILL NEED TO GIVE A COUPLE DAYS NOTICE SO HE CAN HAVE RV PULLED OUT FOR PLOW ROUTE

1481 AZALEA RD

MOUND

5

283'A

2

1

6

133'A

7

4.2

75'A

4.1

94'A

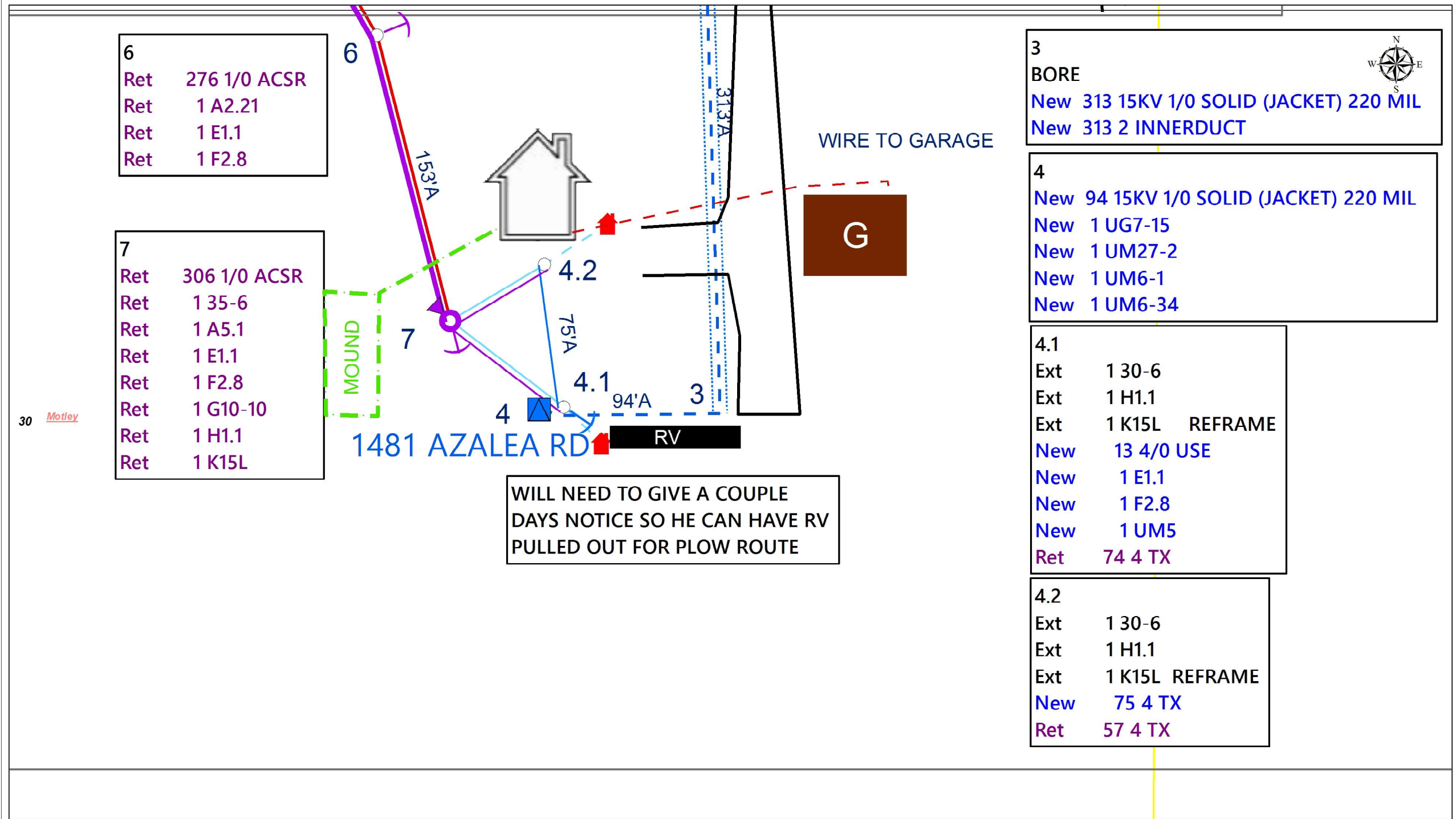
4

3

2

1

19



- 6
- Ret 276 1/0 ACSR
  - Ret 1 A2.21
  - Ret 1 E1.1
  - Ret 1 F2.8

- 7
- Ret 306 1/0 ACSR
  - Ret 1 35-6
  - Ret 1 A5.1
  - Ret 1 E1.1
  - Ret 1 F2.8
  - Ret 1 G10-10
  - Ret 1 H1.1
  - Ret 1 K15L

- 3
- BORE
- New 313 15KV 1/0 SOLID (JACKET) 220 MIL
  - New 313 2 INNERDUCT

- 4
- New 94 15KV 1/0 SOLID (JACKET) 220 MIL
  - New 1 UG7-15
  - New 1 UM27-2
  - New 1 UM6-1
  - New 1 UM6-34

- 4.1
- Ext 1 30-6
  - Ext 1 H1.1
  - Ext 1 K15L REFRAME
  - New 13 4/0 USE
  - New 1 E1.1
  - New 1 F2.8
  - New 1 UM5
  - Ret 74 4 TX

- 4.2
- Ext 1 30-6
  - Ext 1 H1.1
  - Ext 1 K15L REFRAME
  - New 75 4 TX
  - Ret 57 4 TX

WILL NEED TO GIVE A COUPLE DAYS NOTICE SO HE CAN HAVE RV PULLED OUT FOR PLOW ROUTE



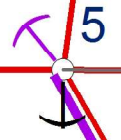
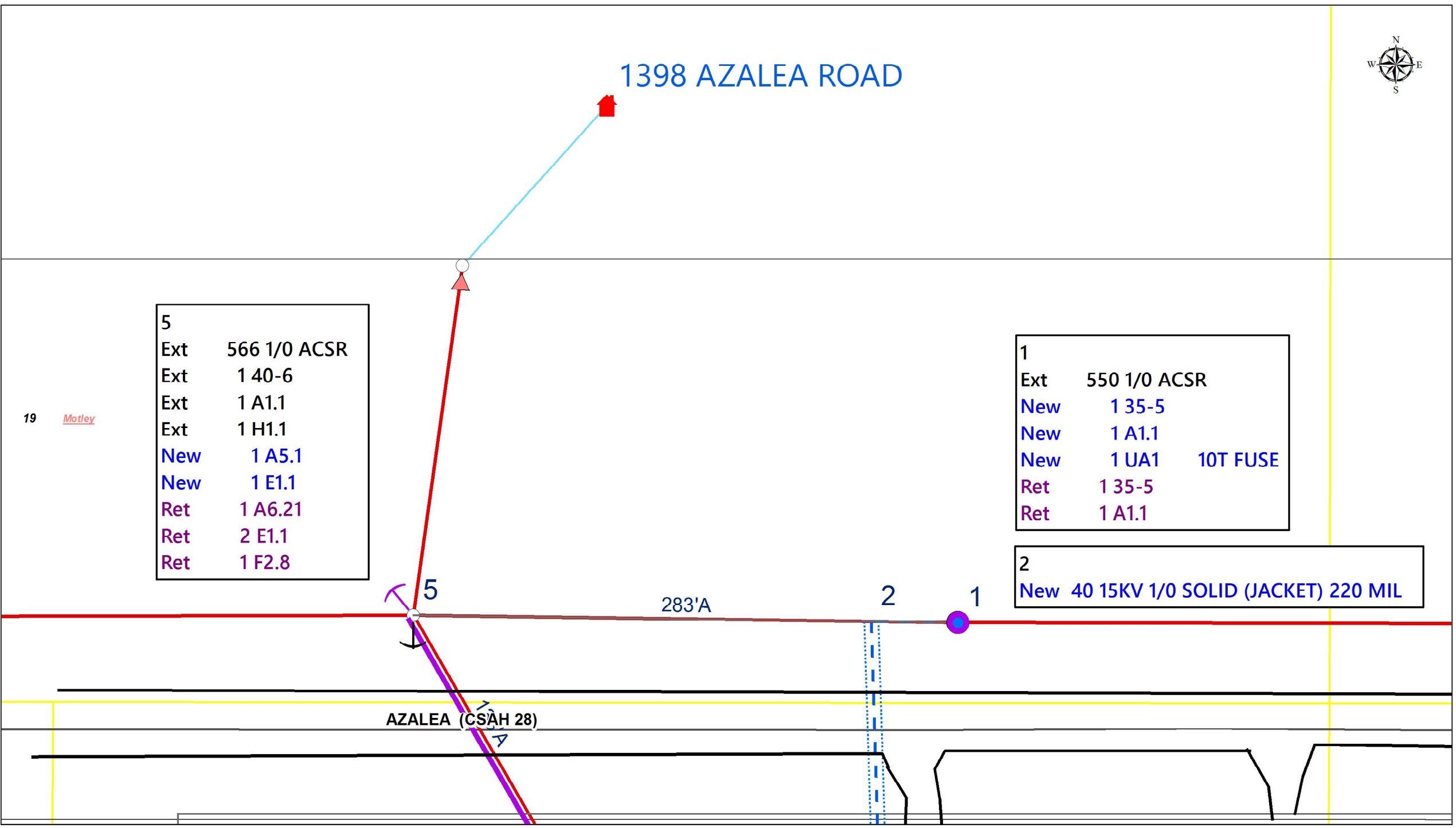
1398 AZALEA ROAD

5
Ext 566 1/0 ACSR
Ext 1 40-6
Ext 1 A1.1
Ext 1 H1.1
New 1 A5.1
New 1 E1.1
Ret 1 A6.21
Ret 2 E1.1
Ret 1 F2.8

1
Ext 550 1/0 ACSR
New 1 35-5
New 1 A1.1
New 1 UA1 10T FUSE
Ret 1 35-5
Ret 1 A1.1

2
New 40 15KV 1/0 SOLID (JACKET) 220 MIL

19 Motley



2

1

283'A

AZALEA (CSAH 28)


LOCATIONS - GRID



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Comments 1:		

LOCATIONS - STATUS		PRIMARY CONSTRUCTION				EQUIPMENT / LIGHTS / MISCELLANEOUS			GROUNDING / GUYS / ANCHORS			SECONDARY / SERVICE CONSTRUCTION				
LOCATION	STS	TOTAL	STRUCTURE	(# WIRES)-FT-SIZE	(QTY) - UNITS	TRANSFORMER-[KVA]	(QTY)-EQUIPMENT	(QTY)-MISC	(QTY)-GRNDS	(QTY)-GUYS	(QTY)-ANCRS	(QTY)-UNITS	TOTAL	(# WIRES)-FT-SIZE	METERING	
1	EXS	550		(2)-275-1/0 ACSR												
	RET		35-5		(1)- A1.1											
	NEW		35-5		(1)- A1.1		(1)- UA1									
LAT: -94.638341		LONG: 46.311634														
2	NEW	40		(1)-40-1/0 15KV JAC 220												
LAT: -94.638520		LONG: 46.311635														
3	NEW	313		(1)-313-1/0 15KV JAC 220									313	(1)-313-2 INNERDUCT		
LAT: -94.638476		LONG: 46.310778		BORE												
4	NEW	94		(1)-94-1/0 15KV JAC 220		UG7-15- [15]		(1.00)- UM27-2								
	NEW							(1.00)- UM6-1								
	NEW							(1.00)- UM6-34								
LAT: -94.638847		LONG: 46.310783														
4.1	EXS														(1)- OWNER LOOP	
	EXS		30-6						(1)- H1.1			(1)- K15L				
	RET												74	(1)-74-4 TX		
	NEW						(1)- UM5			(1)- E1.1	(1)- F2.8		13	(1)-13-4/0 USE		
LAT: -94.638797		LONG: 46.310787														
4.2	EXS														(1)- OWNER LOOP	
	EXS		30-6						(1)- H1.1			(1)- K15L				
	RET												57	(1)-57-4 TX		
	NEW												75	(1)-75-4 TX		
LAT: -94.638838		LONG: 46.310990														
5	EXS										(1)- F2.8					
	EXS	566	40-6	(2)-283-1/0 ACSR	(1)- A1.1				(1)- H1.1							
	RET				(1)- A6.21						(2)- E1.1	(1)- F2.8				
	NEW				(1)- A5.1						(1)- E1.1					
LAT: -94.639461		LONG: 46.311641														

LOCATIONS - GRID

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	Comments 1:		

LOCATIONS - STATUS		PRIMARY CONSTRUCTION				EQUIPMENT / LIGHTS / MISCELLANEOUS			GROUNDING / GUYS / ANCHORS			SECONDARY / SERVICE CONSTRUCTION			
LOCATION	STS	TOTAL	STRUCTURE	(# WIRES)-FT-SIZE	(QTY) - UNITS	TRANSFORMER-[KVA]	(QTY)-EQUIPMENT	(QTY)-MISC	(QTY)-GRNDS	(QTY)-GUYS	(QTY)-ANCRS	(QTY)-UNITS	TOTAL	(# WIRES)-FT-SIZE	METERING
6															
	RET	276		(2)-138-1/0 ACSR	(1)- A2.21					(1)- E1.1	(1)- F2.8				
LAT: -94.639185		LONG: 46.311315													
7	RET	306	35-6	(2)-153-1/0 ACSR	(1)- A5.1	G10-10- [10]			(1)- H1.1	(1)- E1.1	(1)- F2.8	(1)- K15L			
LAT: -94.639031		LONG: 46.310909													