


**COVERSHEET**

	RUS Code:	W/O #:	379010
	EXT 740 C:	WP #:	
	Loan Nbr: BA8	LOC #:	54-000-28-07602
	Loan Ywr: 2014	Name:	CHAD M BIRKHOLTZ
	AFF #:	(H) Phone #:	2511583
17330 MN-371 Brainerd, MN 56401 (218) - 829 - 2827	Elec:	(W) Phone #:	
	RFCd:	(C) Phone #:	
	By:	Acct #:	

City:	Staked By: JUSTIN M MCKEE
Sec: 28	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:	ATTN BILLING REMOVE SECURITY LIGHT FEE FROM MONTHLY BILL SECURITY LIGHT WILL BE RETIRED WITH PF
Comments 2:	INSTALL USED CWP PED. CONSUMER WILL BE IN CHARGE OF GETTING ELECTRICIAN TO RUN NEW SECONDARI
Comments 3:	

Septic:	Row 1:	Rd Permit:	<input checked="" type="checkbox"/>
Priv Elec:	Row 2:	Cty Permit:	
LP Line:	Line Ext \$      Bore/Push \$      Permit \$      Ped/Loop \$      Total \$	Fees:	<input checked="" type="checkbox"/>
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	318
RETIRE	1/0 ACSR	PRIMARY	916
INSTALL	2 INNERDUCT	SECONDARY	138
INSTALL	4/0 USE	SECONDARY	10
INSTALL	UG-MODEL	SECONDARY	124
	UG-MODEL	SECONDARY	60



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Warehouse:		

**ASSEMBLY UNIT SUMMARY**

ASSEMBLY NAME	DESCRIPTION	INSTALLED	RETIRED
1/0 15KV JAC 220 MIL	CABLE, 15KV 1/0 SOLID (JACKET) 220 MIL	<b>318</b>	-
1/0 ACSR	1/0 ACSR	-	<b>916</b>
2 INNERDUCT	2 INNERDUCT	<b>138</b>	-
35-5	35-5 POLE	<b>1</b>	<b>2</b>
4/0 USE	4/0 600V USE	<b>10</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>
A5.21	(OLD A7)SINGLE PHASE DEAD END (X-ARM CON	-	<b>1</b>
B1.11	(OLD B1)SGLE SUPPORT ON X-ARM (TANGENT)	<b>1</b>	<b>1</b>
E1.1	(OLD E1-2)SINGLE DOWN GUY	-	<b>3</b>
F2.8	(OLD F1-2S)POWER DRIVE 5/8"	-	<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>	<b>2</b>
M26-5 HPS	SECURITY LIGHT, HIGH PRESSURE SODIUM	-	<b>1</b>
S1.1	(OLD M3-4)CUTOUT SINGLE PHASE	-	<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>	-
UM6-1	LOADBREAK ELBOW (200A)	<b>1</b>	-
UM6-12	CABLE MARKER ASSEMBLY	<b>1</b>	-
UM6-34	ELBOW ARRESTER	<b>1</b>	-
UM8-3-CWP	CWP URD METER PED	<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>3</b>	
CLAMP, DEAD END	117004	-			<b>4</b>	
CLAMP, 3 BOLT GUY	117012	-			<b>6</b>	
WIRE, 1/0 ACSR	150002	-			<b>916</b>	
ARRESTER, LIGHTNING (LINE)	15202	<b>1</b>			-	
ELBOW ARRESTER 15 KV	15204	<b>1</b>			-	
CLAMP, CONNECTOR	170002	<b>11</b>			<b>12</b>	
CLAMP, GROUND ROD	170004	<b>2</b>			<b>2</b>	
CLAMP, HOT LINE	170006	<b>1</b>			<b>1</b>	
TERMINALS TRANS SEC	180202	<b>3</b>			-	
ARM, CROSS 8"	182002	<b>1</b>			<b>5</b>	
CUTOUT, SINGLE SHOT LB 15KV	183004	<b>1</b>			<b>1</b>	
GUY ATTACHMENT	21002	-			<b>3</b>	
INS. POLE TOP 7.2KV	342004	<b>2</b>			<b>6</b>	
INS. SPOOL	342010	<b>1</b>			<b>1</b>	
INS. SUSP 7.2KV	342012	-			<b>2</b>	
HPS SECURITY LIGHT	390020	-			<b>1</b>	
MARKER, CABLE ROUTE	393002	<b>2</b>			-	
NUT, EYE	429002	-			<b>2</b>	
NUT, LOCK	429004	<b>3</b>			<b>35</b>	
PIN, X ARM 7.2KV	450002	<b>2</b>			<b>6</b>	
POLE 35"	480004	<b>1</b>			<b>2</b>	
ROD, POWER DRIVE	530004	-			<b>3</b>	
ROD, ARMOUR	530006	-			<b>2</b>	
ROD, GROUND	530008	<b>2</b>			<b>2</b>	
TUBING, GOPHER	530010	<b>148</b>			-	
SCREWS, LAG	555002	<b>4</b>			<b>8</b>	
U GUARD	576002	<b>25</b>			-	



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GRIPS, KELLEMS 25KV	630004	2	-
BOLT, CARRIAGE	63002	2	10
BOLT, DOUBLE ARMING	63004	-	6
BOLT, EYE	63006	-	2
BOLT, MACHINE 5/8"	63008	4	12
BOLT, UPSET	63012	1	1
HEAT SHRINK, SMALL	667704	2	-
TERMINATOR AER 25KV 1/0 & 4/0	669104	1	-
ELBOW, 25 CABLE 15 BUSHING	669308	1	-
WRAPLOCK TIES	679002	3	3
10 KVA OH TRANSFORMER	693010	-	1
15 KVA URD TRANSFORMER	694015	1	-
WASHERS, SQUARE	710002	9	50
WIRE, 4 STRANDED BARE CU	720004	20	6
WIRE, 4-6 GROUND	720006	58	97
WIRE, AL TIE 4-6-7	720008	-	24
WIRE, 3/8" GUY	730004	-	105
URD METER PED	740002	1	-
BRACE, X ARM 28"	75002	2	10
BRACKET, CUTOUT (UPPER)	78012	2	1
CABLE, USE 600V 4/0	90004	15	-
ANCHOR, POWER DRIVE	9006	-	3
CABLE, 15KV 1/0 SOLID (JACKET)220 MIL	91006	318	-

5
Ext 858 1/0 ACSR
Ext 1 40-5
Ext 1 B1.11
Ext 1 H1.1
Ret 1 A5.21
Ret 1 E1.1
Ret 1 F2.8
Ret 1 S1.1

1
Ext 855 1/0 ACSR
New 1 35-5
New 1 B1.11
New 1 H1.1
New 1 UA1 8T FUSE
Ret 1 35-5
Ret 1 B1.11
Ret 1 H1.1

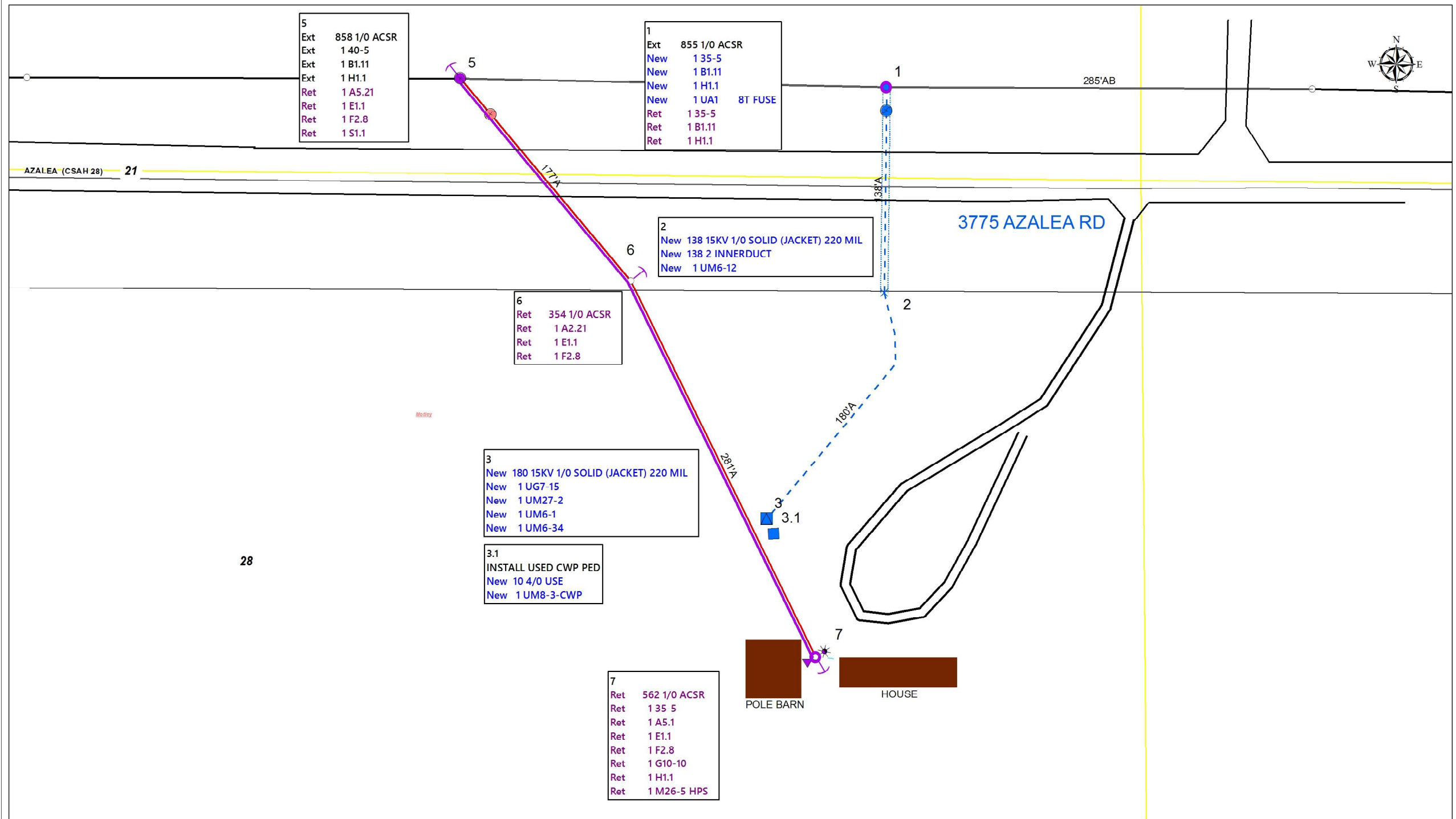
2
New 138 15KV 1/0 SOLID (JACKET) 220 MIL
New 138 2 INNERDUCT
New 1 UM6-12

6
Ret 354 1/0 ACSR
Ret 1 A2.21
Ret 1 E1.1
Ret 1 F2.8

3
New 180 15KV 1/0 SOLID (JACKET) 220 MIL
New 1 UG7-15
New 1 UM27-2
New 1 UM6-1
New 1 UM6-34


3.1
INSTALL USED CWP PED
New 10 4/0 USE
New 1 UM8-3-CWP

7
Ret 562 1/0 ACSR
Ret 1 35 5
Ret 1 A5.1
Ret 1 E1.1
Ret 1 F2.8
Ret 1 G10-10
Ret 1 H1.1
Ret 1 M26-5 HPS



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LOCATIONS - GRID

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Comments 1: ATTN BILLING REMOVE SECURITY LIGHT FEE FROM MONTHLY BILL SECURITY LIGHT WILL BE RETIRED WITH PROJECT.			

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	855		(3)-285-1/0 ACSR											
	RET		35-5		(1)- B1.11				(1)- H1.1						
	NEW		35-5		(1)- B1.11		(1)- UA1		(1)- H1.1						
LAT: -94.585915		LONG: 46.311612													
2	NEW	138		(1)-138-1/0 15KV JAC 220				(1.00)- UM6-12					138	(1)-138-2 INNERDUCT	
LAT: -94.585919		LONG: 46.311234													
3	NEW	180		(1)-180-1/0 15KV JAC 220		UG7-15- [15]		(1.00)- UM27-2							
	NEW							(1.00)- UM6-1							
	NEW							(1.00)- UM6-34							
LAT: -94.586227		LONG: 46.310818													
3.1	NEW							(1.00)- UM8-3-CWP					10	(1)-10-4/0 USE	
LAT: -94.586209		LONG: 46.310791		INSTALL USED CWP PED											
3.2	EXS														(1)- CONS-UG
	NEW												124	(1)-124-UG-MODEL	
LAT: -94.585862		LONG: 46.310548													
5	EXS	858	40-5	(3)-286-1/0 ACSR	(1)- B1.11				(1)- H1.1						
	RET				(1)- A5.21		(1)- S1.1			(1)- E1.1	(1)- F2.8				
LAT: -94.587045		LONG: 46.311625													
6	RET	354		(2)-177-1/0 ACSR	(1)- A2.21					(1)- E1.1	(1)- F2.8				
LAT: -94.586591		LONG: 46.311254													
7	RET	562	35-5	(2)-281-1/0 ACSR	(1)- A5.1	G10-10- [10]		(1.00)- M26-5 HPS	(1)- H1.1	(1)- E1.1	(1)- F2.8				
LAT: -94.586097		LONG: 46.310565													