

FILE WHEELING & LAKE ERIE RAILWAY COMPANY

Dan Reinsel
Signal & Communication Supervisor

100 East First Street
Brewster, OH 44613

Tel. 330-767-7202

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Fax: 330-767-3213

11 Aug 2008

Ohio Rail Development Commission
Attn: Mr. Joe Reinhardt
50 West Broad Street, 15th Floor
Columbus, OH 43215

08-574-RR-FED

re: Estimate for Swabb Road, 001-940-S

Dear Mr. Reinhardt,

The estimate for the installation of highway crossing flashing lights and gates is:

Material Package (see attached)	\$119,286.70
Electric Service (incl. pole, inspection, disconnect)	\$2,700.00
Electric Line Extension 2,800'	\$6,200.00
41' Dia. Culvert Extension, 20'	\$1,200.00
Road & Track Bores	\$4,500.00
Fill, Stone, and Transport	\$5,000.00
Contracted Installation	\$45,000.00
WLE labor costs	\$3,000.00
Estimated Total	\$186,886.70

Respectfully,

Dan Reinsel
Dan Reinsel

RECEIVED-DOCKETING DIV
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PUCO

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the original course of business.

c: Mr. George Martin, PUCO
PUCO Docketing

9/17/08

WHEELING & LAKE ERIE RAILWAY

Swabb Road - Cranberry Township, OH

DOT # 001 490 S M.P. 0081.50

RSS Project Number: C-08-747

Estimate dated 07-25-08 - Revision: 1.0

LINE NO.	Qty.	DESCRIPTION OF MATERIALS	UNIT COST	TOTAL COST
1	1	Decals, House and DOT #'s Flasher Mast	\$180.90	\$180.90
2	2	Magnetic Door Switch; CB 1032-G	\$14.37	\$28.74
3	5	Locks, Master, P/N WLE, CB	\$18.57	\$92.85
4	2	Fndn, Concrete, 4' 7", Dixie Precast P/N DPS-2A	\$455.40	\$910.80
5	1	ERICO PROTECTION DEVICE, PRIMARY, 120/240V FLY/LEAD	\$382.50	\$382.50
6	6	Terminal Blocks Kit, w/ AAR, P/N B2700A2C1WH, Erico	\$23.16	\$138.98
7	1	Terminal Board Strip 36", P/N B2700HC36T, Erico	\$37.73	\$37.73
8	25	Wrap Around Track Clip, 5/16", Erico P/N A248B	\$4.81	\$120.18
9	500	Bond Wire, 5/16" X 7", X 1" Tab, P/N SB20136, Erico	\$4.24	\$2,118.88
10	25	Sleeve, Bond, B/S - BS Tab, P/N A2363J, Erico	\$1.16	\$29.10
11	25	Sleeve, Bond, B/S - BS Tab, P/N A2367J, Erico	\$1.16	\$29.10
12	25	Weld Metal, #25, for 3/16" bonds, P/N SB25, Erico	\$1.75	\$43.64
13	25	Connector, Track, Web of Rail, P/N SBTBBU4A, Erico	\$4.81	\$120.18
14	6	5/8" x 8" Copper Ground Rod P/N 615880, Erico	\$13.28	\$79.70
15	6	5/8" Ground Rod Weld, 6 #, P/N SBTG1161G, Erico	\$9.99	\$59.96
16	6	5/8" Ground Rod Weld, 6 #, P/N SBNT1161G, Erico	\$12.78	\$76.66
17	2	Gate Light, Set 3, LED, Easy Gate	\$202.40	\$404.80
18	200	Wire, Track, #6AWG, PVC Insul/Bondstrand, GE	\$1.24	\$247.94
19	350	Wire, Trk, 2C/#6, Twist, Solid, 113-12-3933, Okonite, GE	\$2.07	\$724.98
20	400	Cable, 7/C#6, Armored, 206-11-6247, Okonite, GE	\$8.73	\$3,492.50
21	400	Cable, 7/C#14, Armored, 206-11-6887, Okonite, GE	\$2.92	\$1,169.41
22	150	Cable, 3C#6, Armored, 400999-T00293, Okonite #206-11-6243, GE	\$5.34	\$800.37
23	1	MDSA-1, Motion Detector Surge Arrestor, P/N 250204-001C	\$18,817.13	\$18,817.13
24	1	HXP-3R, w/ 4.0 KHZ RSI, P/N 250811-2B01, GE	\$299.55	\$299.55
25	1	MDA-II With Current Sensors DTMF Radio, Cell Modem and GFD - Complete	\$8,423.89	\$8,423.89
26	10	Arrestor, Air Gap, AGA-1, P/N 202216-001	\$22.83	\$228.33
27	2	Equalizer, Air Gap, AGE-1, P/N 202217-000	\$24.04	\$48.07
28	16	Nut, insulated 1-3/16", 023408-1X, Safetran	\$4.60	\$73.64
29	4	Relay Socket for Miniature Relay, P/N 5X852-6, Grainger	\$6.00	\$23.98
30	4	12 AMP Miniature Relay, P/N 1A484-3, Grainger	\$21.66	\$86.63
31	2	Plug, Locking, 15 A, P/N HBL470C, REYNOLDS	\$14.35	\$28.69
32	1	Transformer, Chassis Mt, 115/230V, 80VA, 16.0VCT@5.0A, 8.0V@10.0A, lug	\$31.45	\$31.45
33	1	Bell, Electronic, 5" Base, P/N EB-3-360-5, GSI	\$253.50	\$253.50
34	2	Gate Keeper, Right Side of Rd, w/Hardware & Buffer Spring, P/N SK-1000-2V	\$2,200.00	\$4,400.00
35	150	Wire, Ground, #6AWG, Bare Copper	\$1.90	\$284.63
36	1	Tape, 88	\$13.50	\$13.50
37	1	Receptacle; Home Depot	\$14.86	\$14.86
38	1	MDF Boards; Home Depot	\$150.00	\$150.00
39	100	Wire, Case, #6AWG, Green	\$0.70	\$70.00
40	150	Wire, Case, #6AWG, Black	\$0.70	\$105.00
41	150	Wire, Case, #6AWG, Red	\$0.70	\$105.00
42	250	Labels, Thermal Transfer Ribbon, Hellermann-Tyton, P/N 822	\$0.44	\$110.69
43	2	Battery Tray 12"x27", Holds (3) Batteries, P/N 027002-001, J&A	\$57.86	\$115.72
44	2	Battery Tray 12"x27", Holds (3) Batteries, P/N 027002-001, J&A	\$57.86	\$115.72

45	4	Terminal Assembly, Battery, P/N 225481-000, J&A	\$24.99	\$99.94
46	50	Terminal, Ring, 1/4", 18-22	\$0.27	\$13.28
47	250	Terminal, Ring, 1/4", 10-12	\$0.32	\$79.06
48	30	Terminal, Ring, 1/4", 6	\$0.66	\$19.73
49	24	Terminal, Ring, 3/8", 6, Battery Lug	\$0.78	\$18.82
50	250	Tie-Wrap, 10", Black	\$0.44	\$110.69
51	8	Lights, 12" LED, RDG P/N 1607-508-04	\$315.00	\$2,520.00
52	2	Gate Arm, 24' Alum Base, Dia Grade Sheeting, P/N 8003-24S3, NEG	\$493.13	\$986.25
53	2	Wind Bracket, NEG 191036	\$115.70	\$231.40
54	1	Rectifier, 40 ETC-12V, RECO 12/40	\$746.35	\$746.35
55	1	Rectifier, 40 ETC-12V, RECO 12/40	\$746.35	\$746.35
56	1000	Wire, Case, #16AWG, Blue, P/N 152-11-3002, Okonite	\$0.87	\$872.85
57	800	Wire, Case, #10AWG, Blue, P/N 152-11-3024, Okonite	\$0.47	\$374.44
58	1	Bungalow, Alum, 6 X 6 w/ Heater P/N 15320, PTMW	\$11,252.18	\$11,252.18
59	2	Bootleg Kit, P/N 20229, PTMW	\$89.18	\$178.37
60	1	Hoffman Enclosure	\$126.50	\$126.50
61	2	19" X 84" Equipment Rack	\$506.00	\$1,012.00
62	1	Light, Power Off w/ Mounting Hardware; PTMW 20229	\$124.95	\$124.95
63	6	Ductseal, per pound	\$4.74	\$28.46
64	4	Assembly, 2 point panel	\$38.90	\$155.60
65	4	Terminal, 3 point	\$13.22	\$52.88
66	50	Connector, 1" plain, 0223839-2, Safetran	\$0.57	\$28.70
67	6	Connector, 2-3/8", flat connecting link, 023839-1, Safetran	\$0.71	\$4.28
68	2	Terminal, Bakelite, 2-Point, with Hardware, 023612-1X	\$7.56	\$15.12
69	13	Terminal, Multi-unit Model 274, 12 Post Double Row (2x6), 023274-428X, Safetran	\$25.73	\$334.55
70	4	Terminal Strip, Single Row of 12, 12"x1 w/ Hardware, 023390-11X, Safetran	\$26.42	\$105.67
71	400	Binding Nut, P/N 13073-000	\$0.30	\$120.00
72	200	Clamp Nut, P/N 13079-000	\$0.23	\$45.00
73	500	Washer, P/N 013074-000	\$0.18	\$87.50
74	20	1" Connector, Flat, P/N 32029-007	\$0.68	\$13.50
75	4	12" Connector, Flat, P/N 32248-002	\$1.93	\$7.70
76	150	Gold Test Nut, P/N 13296-001	\$0.75	\$112.50
77	150	1" Test Link, Flat, P/N 32257-002	\$1.88	\$281.25
78	1	Torque Wrench Kit, P/N070981-1X, Safetran	\$216.32	\$216.32
79	1	SOLID STATE CROSSING CONTROLLER IIIA (40-Amp)	\$3,948.91	\$3,948.91
80	1	SURGE PANEL W/BATTERY ARRESTORS & EQUALIZER w/ISOLATED GA	\$617.59	\$617.59
81	2	Mast 18'5" & Base & Pole for Gate Mechanism, P/N 511052-0. 20923-03	\$704.24	\$1,408.47
82	2	Crossarm, 12" Flasher Heads, Assmby, No LED, P/N 517G1-G2-206 WCH	\$1,239.56	\$2,479.12
83	2	Gate, Model S-40, w/ Left & Right Gate Arm, Safetran	\$5,423.14	\$10,846.28
84	2	Counterweight Package, 24', P/N 070755-238G, Safetran	\$1,802.16	\$3,604.33
85	2	Gate Mechanism Heater for Model 40 Gate Mechanism,	\$117.77	\$235.54
86	2	Sign, Railroad Crossing, Diamond Grade Sheeting, P/N 035200-17DXD	\$219.70	\$439.40
87	19	Battery, NiCad 250 A.H., P/N SPL-250, Saft	\$322.18	\$6,121.33
88	2	2-1/4" Base Adapter for Safetran Mech; WCH 2149-45-A	\$19.73	\$39.45
89	1	Type 1110 Variable Resistance Unit 5.69 Ohm, P/N 1110-7D, WCH	\$27.51	\$27.51
90	1	Type 1110 Fixed Resistance Unit 11.21 ohm, P/N 1120-10-D, WCH	\$27.51	\$27.51
91	1	Pinnacle, 5", P/N WCH	\$26.60	\$26.60
92		Total:		\$96,034.07

LINE NO.	Qty.	SUMMARY OF QUOTE	UNIT COST	TOTAL COST
1	1	SUBTOTAL MATERIAL:	96,034.07	\$96,034.07
2	1	FREIGHT:		\$8,220.91
3		INBOUND FRIEGHT:		\$2,400.85
4	1	SYSTEM DESIGN & DOCUMENTATION:		\$3,500.00
5	1	WIRING LABOR:		\$5,571.00
6	1	TESTING & SHOP LABOR:		\$2,116.98
7	1	ENGINEERING LABOR:		\$1,442.89
8	1	OUTSIDE SERVICES EXPENSES		
9		PROJECT TOTAL:		\$119,286.70

DWG. NO.	DESCRIPTION
00	INDEX
01	SITE LAYOUT
02	CROSSING CONTROL CIRCUITS
03	HXP PROGRAM INFORMATION
04	RECORDER
05	ECG
06	SSRC #1
07	ILSP
08	CIP
09	GATE #1 LIGHTS
10	GATE #2 LIGHTS
11	GATE #1 MECHANISMS
12	GATE #2 MECHANISMS
13	BATTERY CHARGER
14	AC POWER DISTRIBUTION
15	RACK FRONT VIEW
16	RACK BACK VIEW
17	SIDE "A"
18	SIDE "C"

REV.	GENERAL NOTES
	THE OPERATION OF THE CIRCUITS AND EQUIPMENT REPRESENTED HEREIN CANNOT BE FULLY CHECKED UNTIL ALL CIRCUITS AND DEVICES ARE CONNECTED TO FORM A COMPLETE SYSTEM. SUCH SYSTEM OR SUBSYSTEM MUST BE GIVEN COMPLETE CIRCUIT AND OPERATIONAL TESTS BEFORE BEING PLACED IN REGULAR OPERATION.

W&LE

**Wheeling & Lake Erie
Railway**

SWABR RD.
CRANBERRY TOWNSHIP, OH

DATE: 07/17/2008

DRG. NO.

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REV.

001

DATE: 07/17/2008

DRG. NO.

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REV.

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DATE: 07/17/2008

DRG. NO.

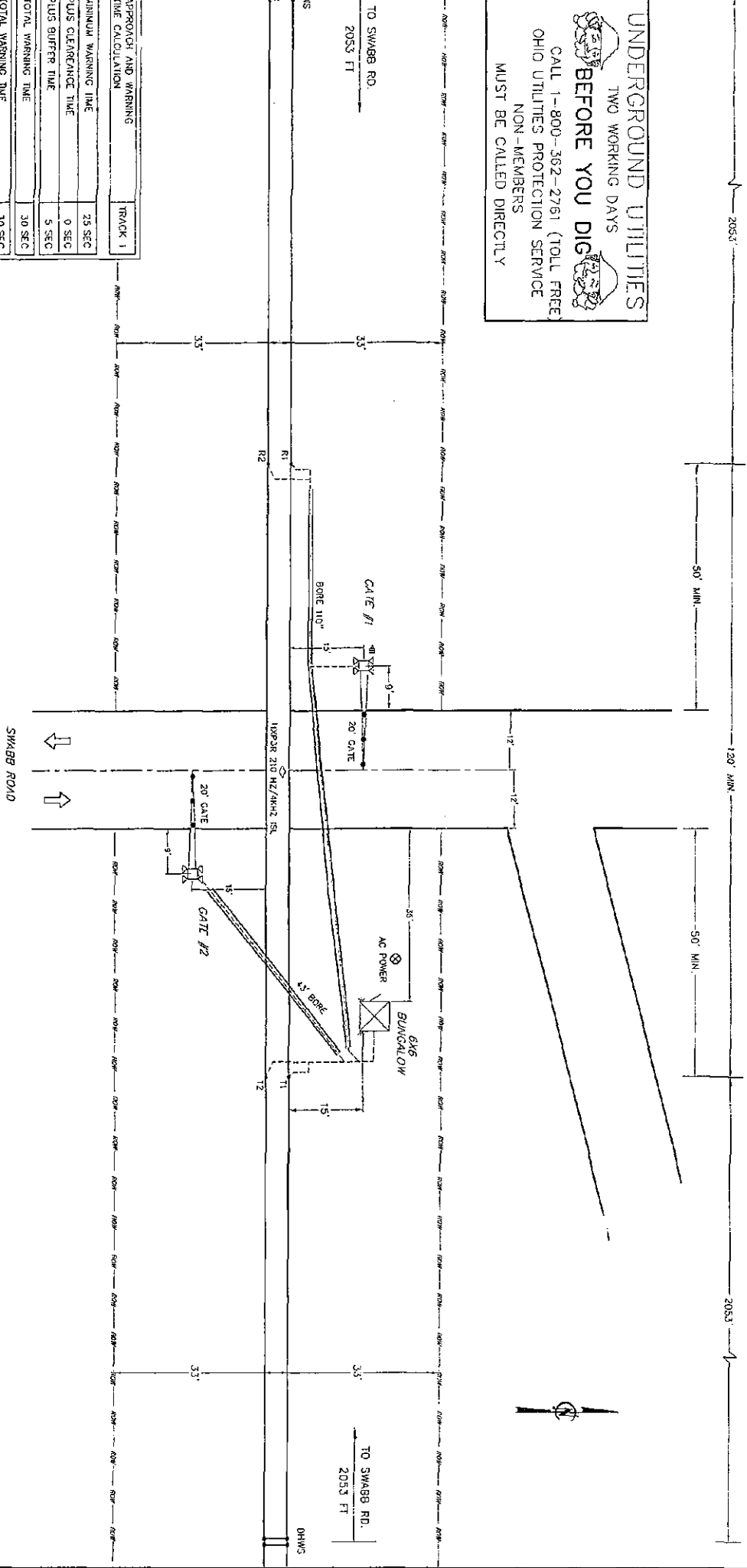
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REV.

001

00 of 18

UNDERGROUND UTILITIES
 TWO WORKING DAYS
BEFORE YOU DIG
 CALL 1-800-362-2761 (TOLL FREE)
 OHIO UTILITIES PROTECTION SERVICE
 NON-MEMBERS
 MUST BE CALLED DIRECTLY



APPROACH AND WARNING TIME CALCULATION

MINIMUM WARNING TIME	25 SEC
PLUS CLEARANCE TIME	0 SEC
PLUS BUFFER TIME	5 SEC
TOTAL WARNING TIME	30 SEC
PLUS EQUIPMENT RESPONSE	5 SEC
PLUS ADVANCE PREEMPT	NA SEC
TOTAL APPROACH TIME	35 SEC
MAXIMUM IRAN SPEED	40 MPH
TIME RATION OF FT/SEC TO MPH	1.4667
TOTAL APPROACH DISTANCE	2005 FT

- NOTE:
- 1) SET FLASHES 5' FROM EDGE OF SHOULDER.
 - 2) MINIMUM ISLAND WIDTH TO BE NO LESS THAN 120'.
 - 3) TRACK WIDTHS NOT LESS THAN 50' FROM EDGE OF TRAVEL WAY.
 - 4) TRANSIT WIRING ON BUNGALOW SIDE OF TRACK.

W&LE

Whooling & Lake Erie Railway

LOCATION: SWABG RD. CRANBERRY TOWNSHIP, OH

DATE: 07/11/2008

TIME: 10:00 AM

BY: J.E. GARY

FOR: GRISS

PROJECT: 001-3405

REV: 01 of 10



Wheeling & Lake Erie **Railway**

SWABB RD.
CRANFERRY TOWNSHIP OH

07/11/2008

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RSS	CB1.5	N
RSS	001-9405	0.1

07 of 18

PROGRAM INFORMATION

* = FIELD ADJUSTMENT TO BE MADE ACCORDING TO THE HWP-3 INSTRUCTION MANUAL.

HWP-3R ADJUSTMENTS

NO.	ADJUSTMENT NAME	TRACK 1	TRACK 2
1	APP. LENGTH	205.3'	
2	WARNING TIME	30 SEC	
3	UA	*	
4	TC	*	
5	MO RESET	0	

OPTION ADJUSTMENTS

NO.	ABBREVIATION	TRACK 1	TRACK 2
1	TK-EVA	UP	
2	TK-FO	210 HZ	
3	CW/MO	G	
4	UIN-BI	b (B)	
5	NBS-C	*	
6	CWENT	DL (80 SEC.)	
7	LOS	DL (16 SEC.)	
8	U-LOS	DL (5 SEC.)	
9	BC	133 *	
10	P-COMP	*	
11	AX1	N/A	
12	AX2	N/A	
13	AX3	N/A	
17	MDR-AX	*6n	
	OF-TK 1 OR 2	DL (0)	
	CU-LOS	DL (0)	
	PJ-DEI	DL (15)	
	PJ-RX	DL (15)	
18	MO-TMR	DL (10)	
19	MIN-WT	DL (0)	
20	FS-DET	*4n	
	FS-RX	DL (0)	
21	FS-TM	DL (10)	
	POS-SI	*6n	
	POS-RX	DL (0)	
	POS-TM	DL (0)	
22	AR-TMR	*6n	
	AR-RX	DL (0)	
	AR-TM	DL (10)	
47	AIO-RX	UP	
48	PF-EVA	*6n	

NOTES FOR S6 AND S7:

- 1) ACTUATOR 1 SELECTS NORMAL APPROACH WHEN SET TO ON POSITION.
- 2) WITH ACTUATOR 1 IN OFF POSITION ACTUATOR 2 SELECTS SHORT APPROACH WHEN OFF AND SELECTS VERY SHORT WHEN ON.
- 3) ACTUATOR 3 AND 4 RESERVED FOR FUTURE USE.

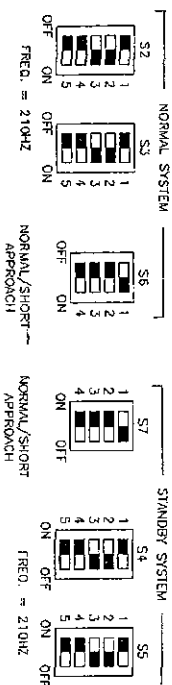
AX ADJUSTMENTS

NO.	ABBREVIATION	AX 1	AX 2	AX 3
1	TK-ASU			
2	OF-TK1			
3	OF-TK2			
4	WT			
5	MO-RST			
6	CW/MO			
7	CL-LOS			
8	PL-DEI			
9	RJ-RX			
10	POS-SI			

SWITCH INFORMATION

SWITCH	TRACK 1	TRACK 2
MASTER/SLAVE	MASTER	
RSL FAULT JUMPER	0	
RSL-LOS JUMPER	1	
TUM W1 JUMPER	PINS 1-2	
TUM W2 JUMPER	PINS 1-2	
TUM W3 JUMPER	PINS 2-3	
MINUTE TIMEOUT	5 MIN	
CW/MO	CW	
STANDBY/AUTO/NORMAL	AUTO	

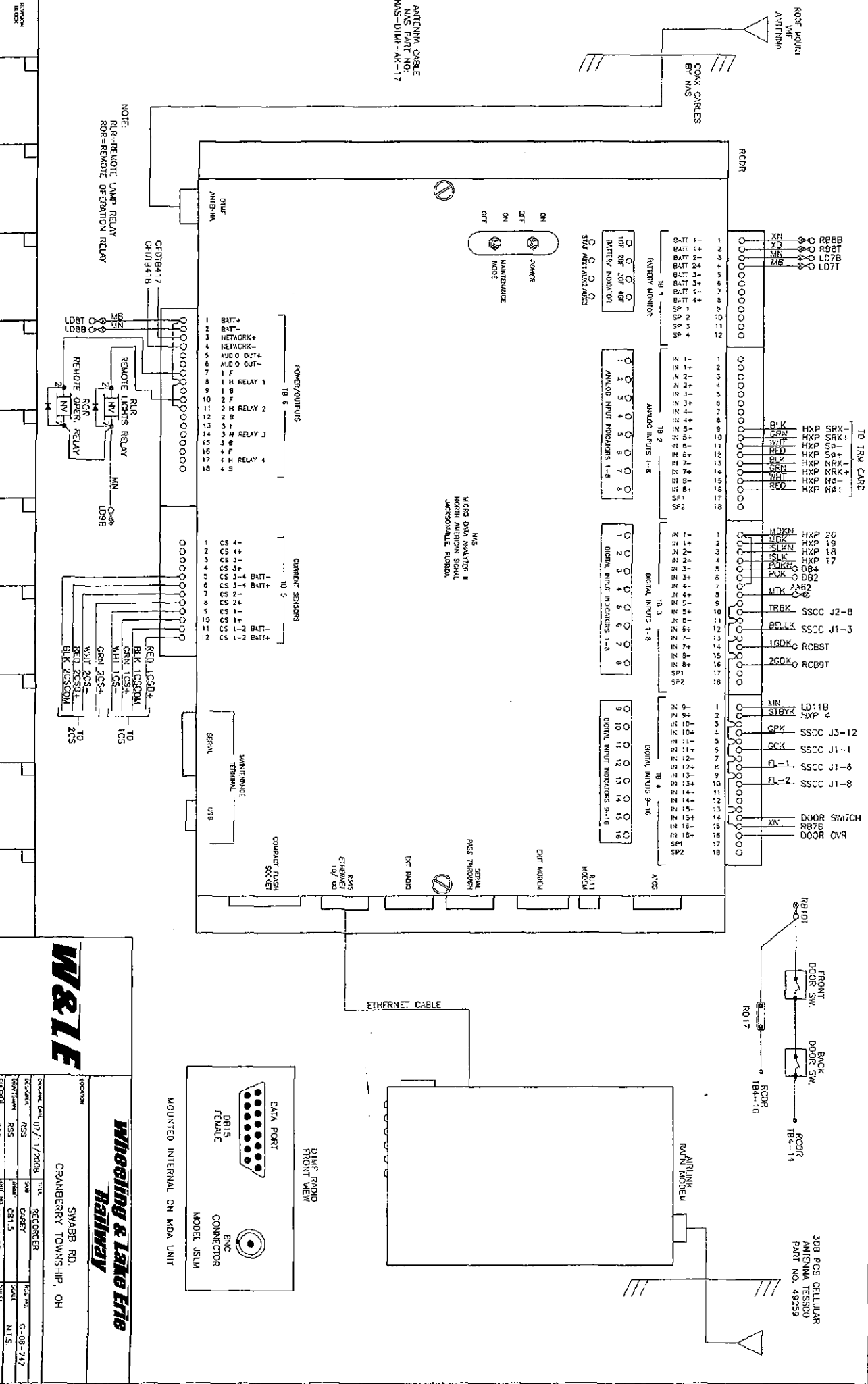
NOTE: DL= DEFAULT LEVEL
NA= NON APPLICABLE



Wheeling & Lake Erie
Railway

LOCATION: SWABB RD.
 GRANBERRY TOWNSHIP, OH

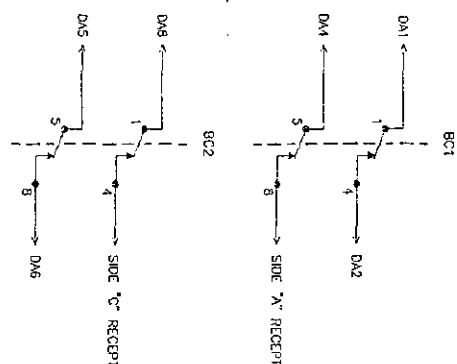
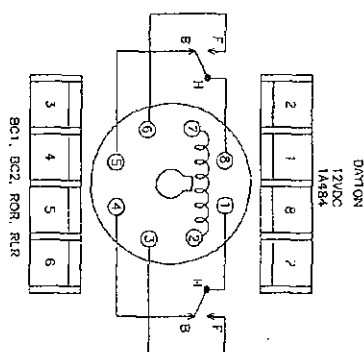
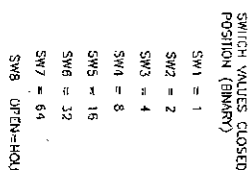
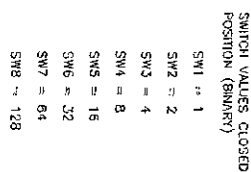
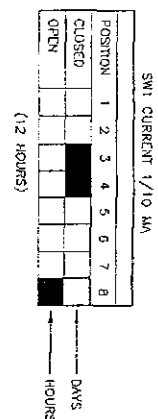
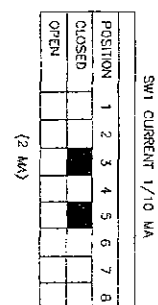
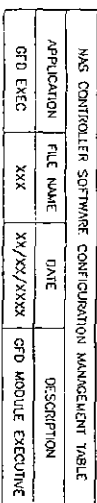
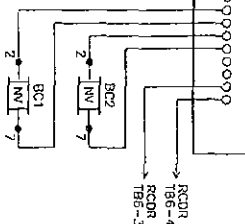
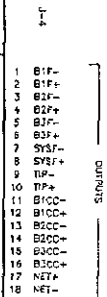
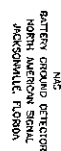
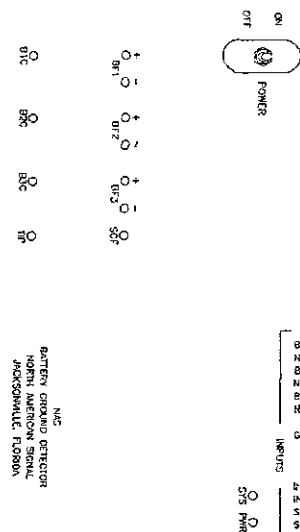
DATE: 07/11/2008	TIME: 1:07 PM	PROGRAM INFORMATION
USER: R55	REQ: C08EY	PROJ: C-08-787
DATE: 0815	REQ: NLS	PROJ: NLS
REQ: 855	REQ: 001, 9405	PROJ: 03 of 18



W&LE

Whispering & Lake Erie Railway

CONTRACT DATE	07/11/2008	TITLE	RECORDER
DEVELOPER	RSS	SUB	CASEY
OWNER/OWNER	RSS	PARCEL	CB15
CITY/CD	RSS	PARCEL NO.	001-3905
		SHEET	04 OF 18



WILEY

Wheeling & Lake Erie Railway

SWABD RD.
CRANBERRY TOWNSHIP, OH

Interview date	Unit	BCD	RSS no.	05 of 18
07/11/2008	Unit 1	CAREY	C-08-747	
	RSS	CR15	N.T.S.	
	RSS			
	RSS			

Interview date	07/11/2008	Unit	BOD
Deceased	RSS	Unit	CAREY
Unit name	RSS	Room	CB15
Unit code	RSS	Unit no.	001-9405
		Room	
		RSS no.	C-08-747
		Room	N15
		Unit no.	05 of 18

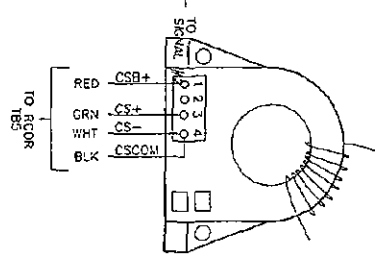
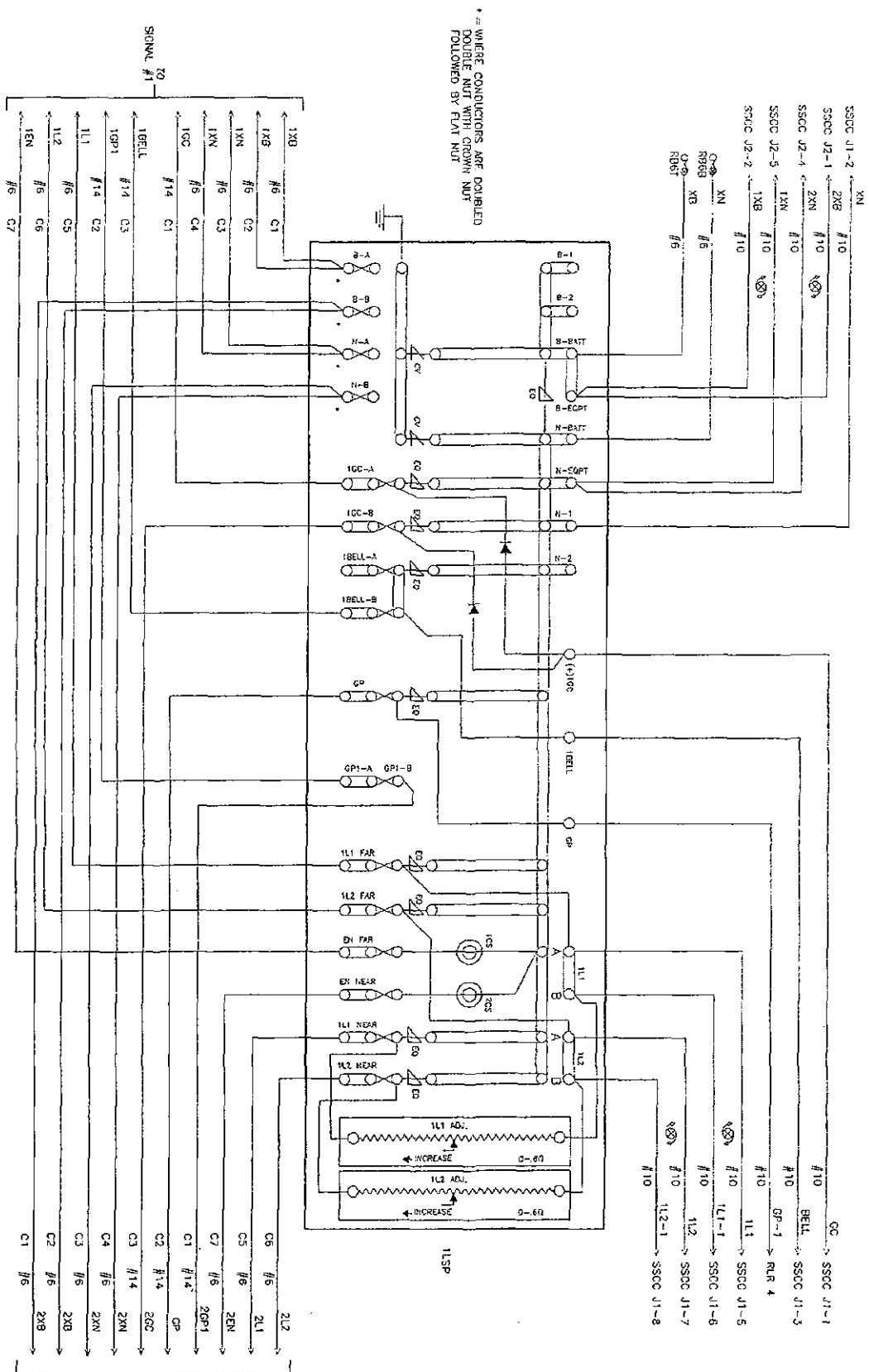
Interview date	Unit	BCD	RSS no.	05 of 18
07/11/2008	Unit 1	CAREY	C-08-747	
	RSS	CR15	N.T.S.	
	RSS			
	RSS			

Interview date	07/11/2008	Unit	BOD
Deceased	RSS	Unit	CAREY
Unit name	RSS	Room	CB15
Unit code	RSS	Unit no.	001-9405
		Room	
		RSS no.	C-08-747
		Room	N15
		Unit no.	05 of 18

Interview date	07/11/2008	Unit	BOD
Deceased	RSS	Unit	CAREY
Unit name	RSS	Room	CB15
Unit code	RSS	Unit no.	001-9405
		Room	
		RSS no.	C-08-747
		Room	N15
		Unit no.	05 of 18

Interview date	07/11/2008	Unit	BOD
Deceased	RSS	Unit	CAREY
Unit name	RSS	Room	CB15
Unit code	RSS	Unit no.	001-9405
		Room	
		RSS no.	C-08-747
		Room	N15
		Unit no.	05 of 18

Interview date	07/11/2008	Unit	BOD
Deceased	RSS	Unit	CAREY
Unit name	RSS	Room	CB15
Unit code	RSS	Unit no.	001-9405
		Room	
		RSS no.	C-08-747
		Room	N15
		Unit no.	05 of 18

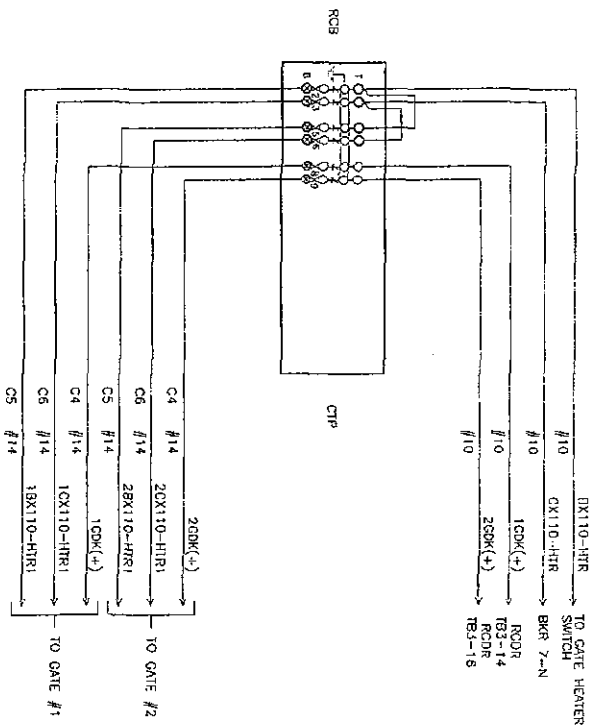


W&LE

**Whiting & Lake Erie
Railway**

Location: SWABG RD.
GRANDENTY TOWNSHIP, OH

DATE	BY	REVISION	DESCRIPTION
07/11/2008	W&LE	1	ISSUED
07/11/2008	W&LE	2	ISSUED
07/11/2008	W&LE	3	ISSUED
07/11/2008	W&LE	4	ISSUED
07/11/2008	W&LE	5	ISSUED
07/11/2008	W&LE	6	ISSUED
07/11/2008	W&LE	7	ISSUED
07/11/2008	W&LE	8	ISSUED
07/11/2008	W&LE	9	ISSUED
07/11/2008	W&LE	10	ISSUED



W&LE

**Wheeling & Lake Erie
Railway**

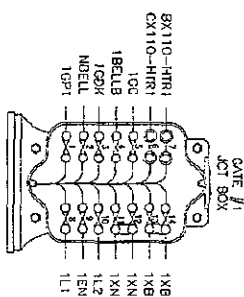
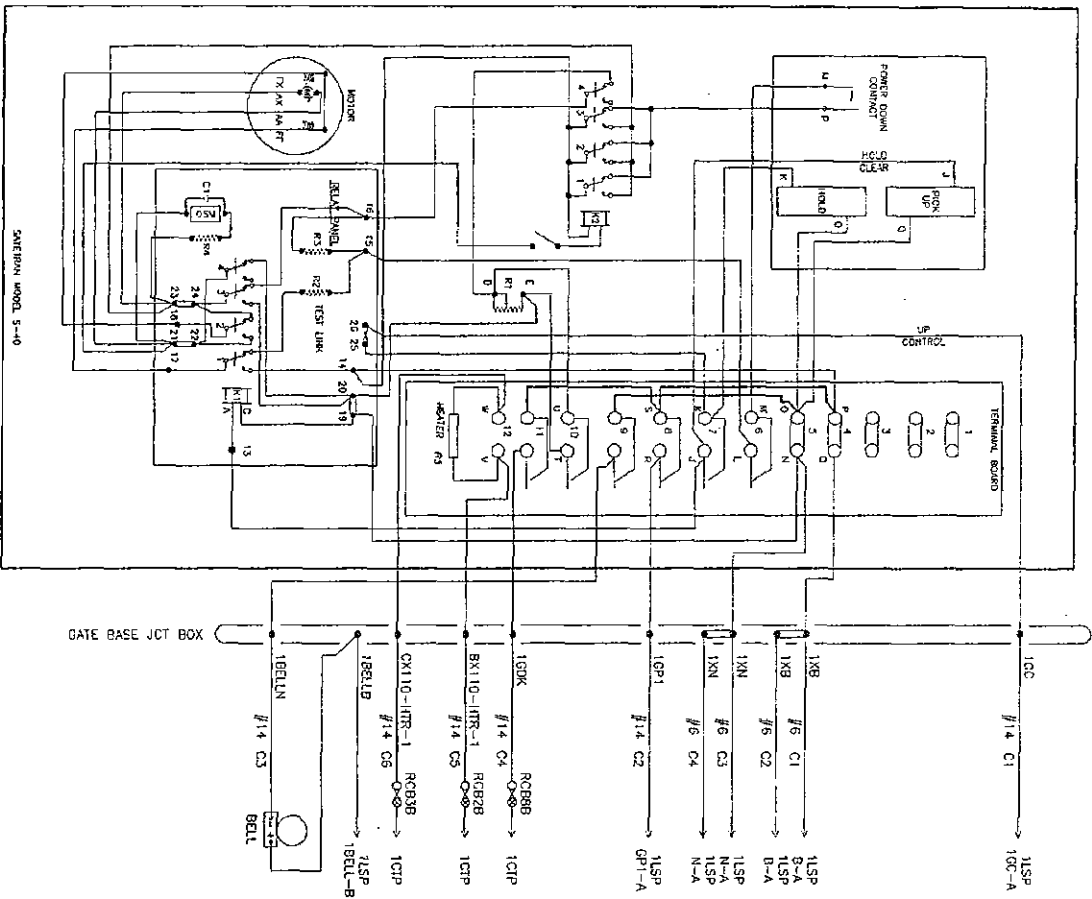
SWABD RD.
CRANBERRY TOWNSHIP, OH

DATE	TIME	CTP	RES. NO.
07/11/2008	10:00	CAREY	C-08-747
07/11/2008	10:00	CAREY	N.I.S.
07/11/2008	10:00	CAREY	08 10



CONTAINER, UNIT	DATE	TITLE	ISS NO
DOCUMENT	07/11/2008	GATE #1 LIGHTS	C-08-747
RSS		CANARY	
DOCUMENT		BRAND	2004
RSS		CB15	N.T.S.
CHECKLIST		DO NO	08 06 19
RSS		DO1-9405	BRICK

GATE #1



CONTACT	CLOSED	FUNCTION
6	45-90°	POWER DOWN
7	0°-89°	POWER UP
8	85°-90°	FLASHING LIGHT
9	5°-90°	BELL
10	0°-5°	HORIZONTAL SNUB
11	0°-5°	GATE DOWN INDICATION

WITH GATE IN UP POSITION

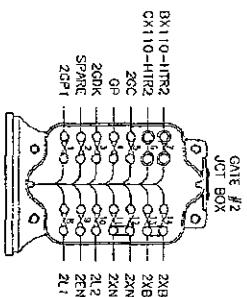
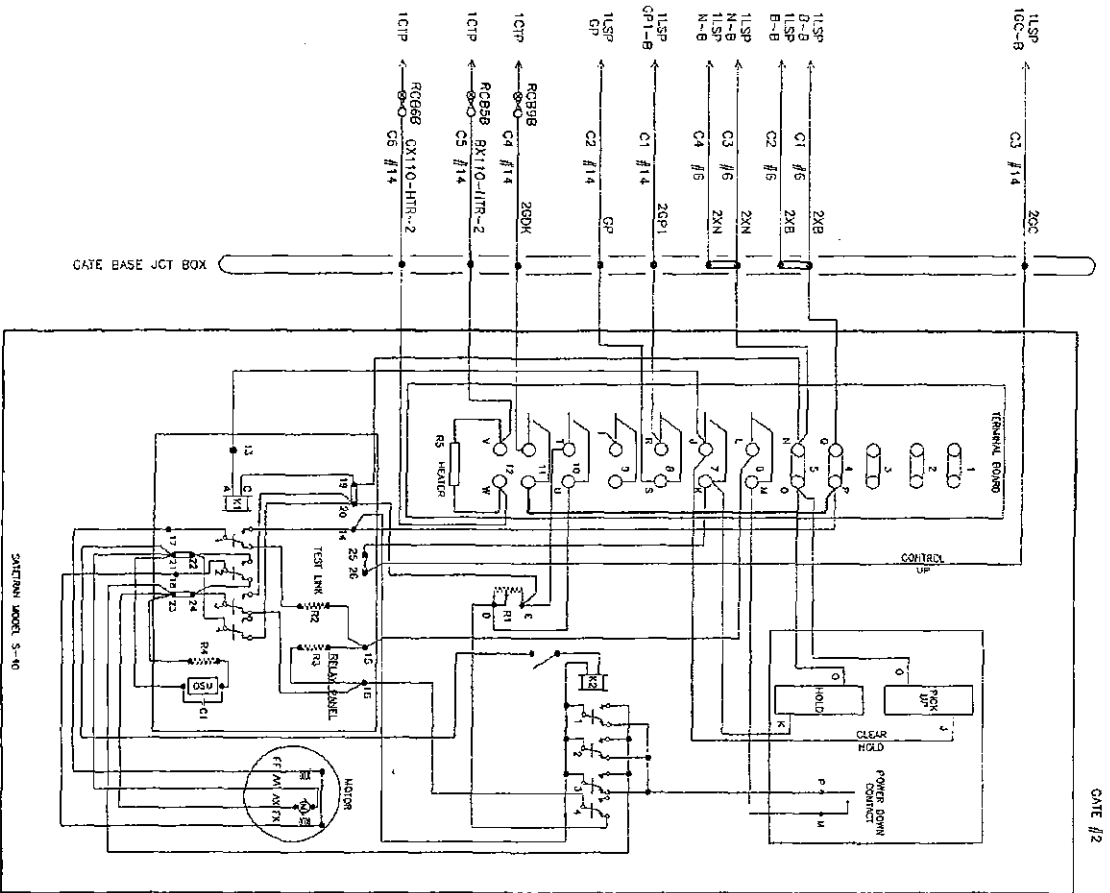
SAFETRAIN MODEL S-40
GATE MECHANISM

W&LE

**Wheeling & Lake Erie
Railway**

SWAEB RD.
CRANBERRY TOWNSHIP, OH

DATE	07/11/2008	BY	GATE #1 MECHANISM
DESIGNED	RCS	CHECKED	GATE #1 MECHANISM
DRAWN	RCS	APPROVED	GATE #1 MECHANISM
REVISION	001-9405	DATE	11 of 18



CONTACT	CLOSED	FUNCTION
6	45°-90°	POWER DOWN
7	0°-89°	POWER UP
8	83°-90°	FLASHING LIGHT
9	5°-90°	BELL
10	0°-5°	HORIZONTAL SNUB
11	0°-5°	GATE DOWN INDICATION

WITH GATE IN UP POSITION

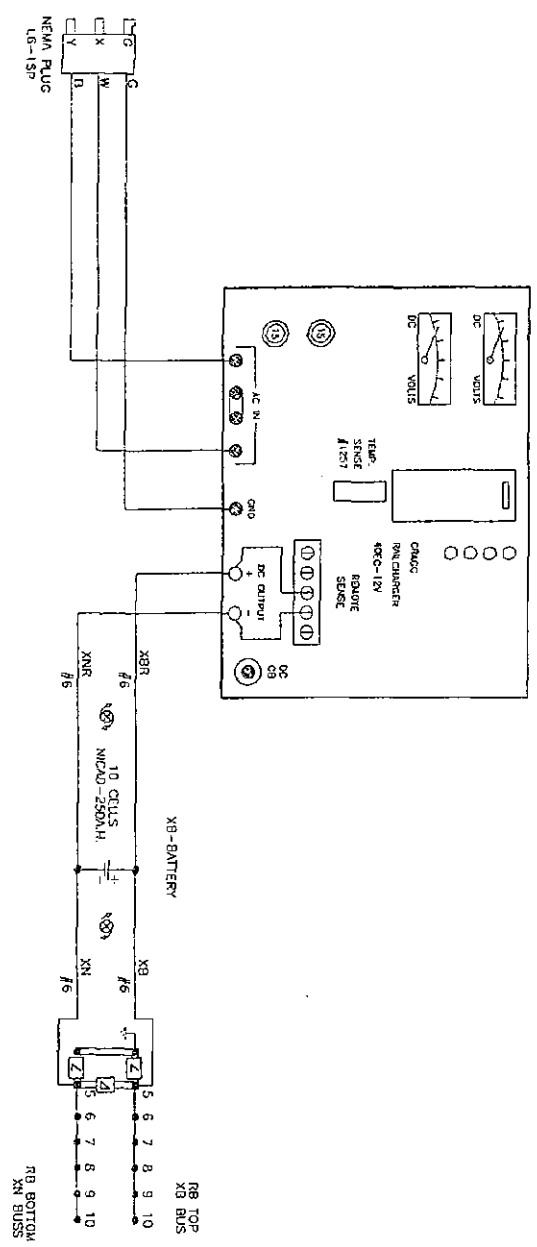
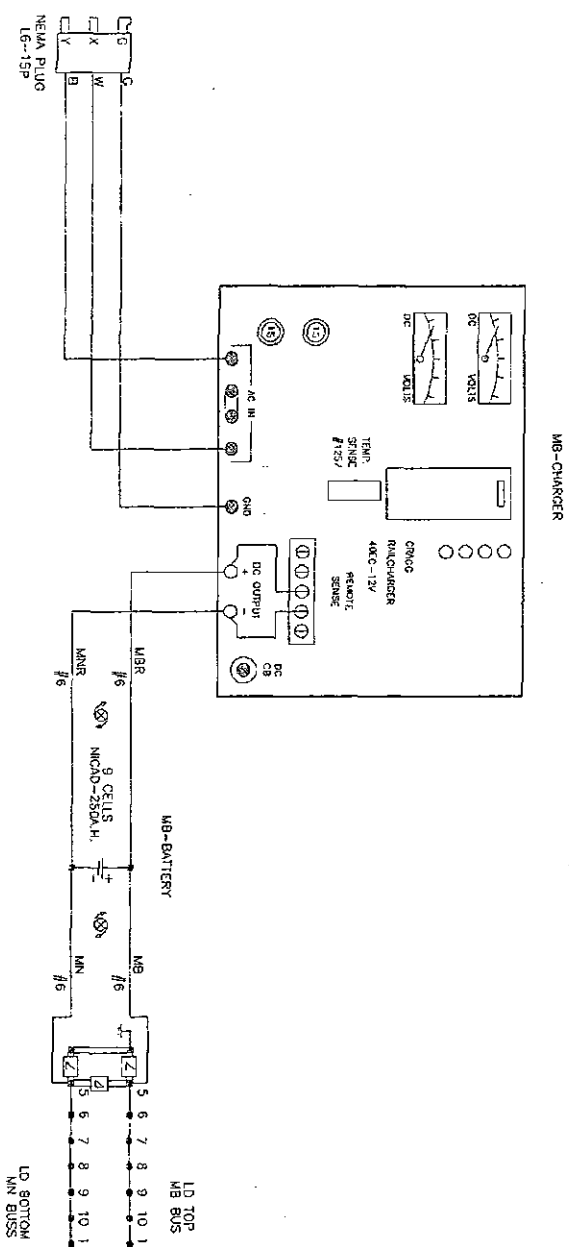
SAFETIAN MODEL S-40
GATE MECHANISM

W&LE

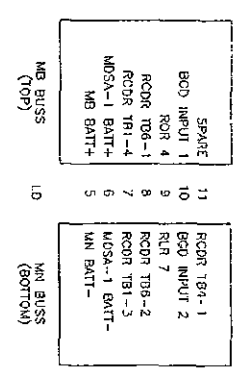
**Wheeling & Lake Erie
Railway**

LOCATION: SWABR RD.
CRANGERRY TOWNSHIP, OH

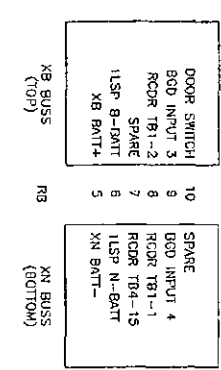
DATE	TIME	BY	REMARKS
07/11/2008	10:00	W&LE	W&LE
07/11/2008	10:00	W&LE	W&LE
07/11/2008	10:00	W&LE	W&LE
07/11/2008	10:00	W&LE	W&LE



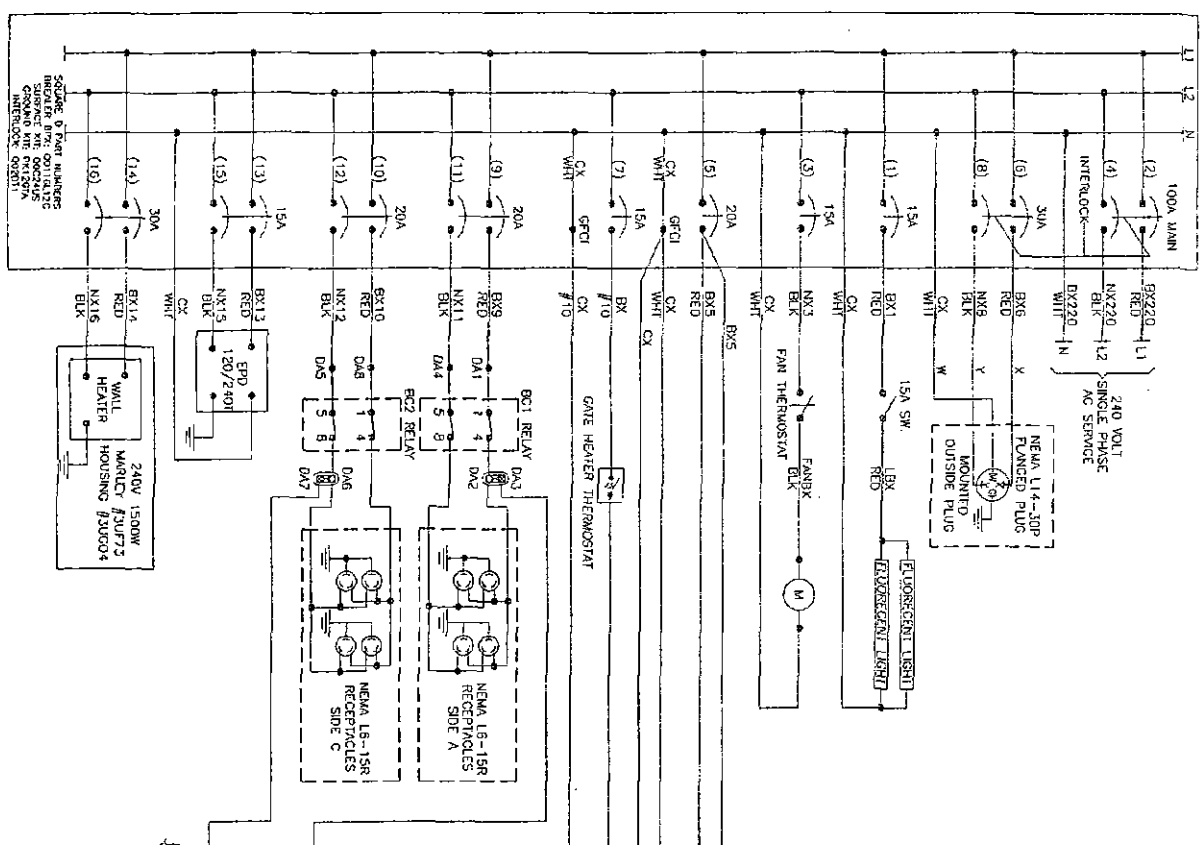
BATTERY BUSS DETAILS



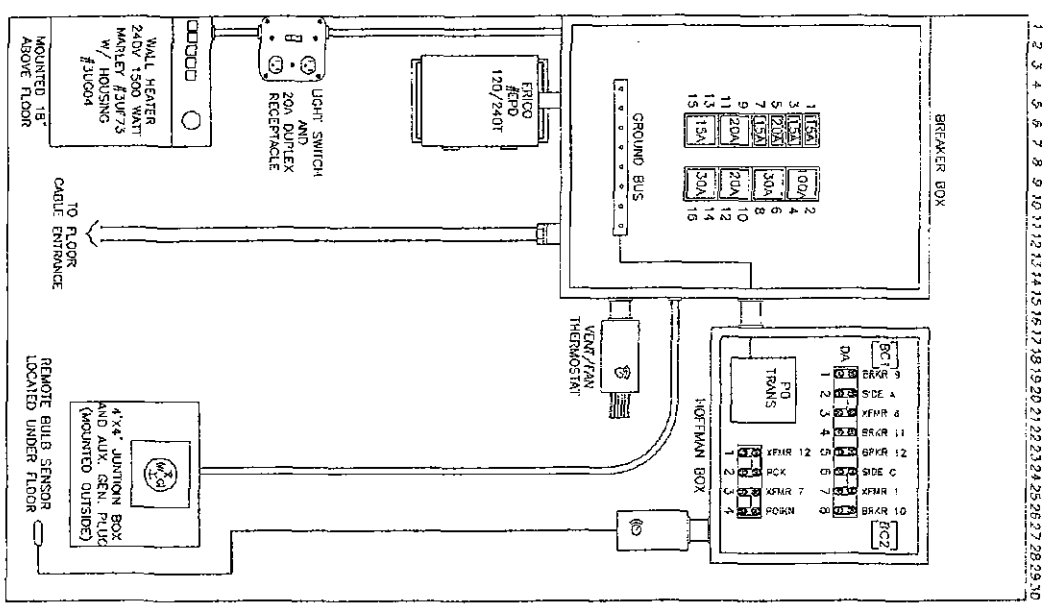
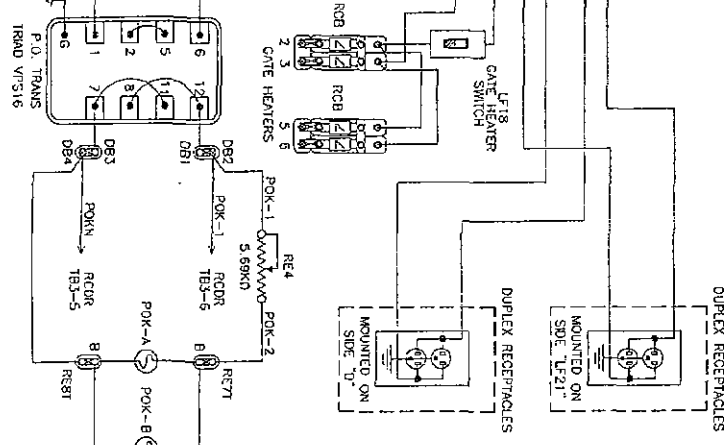
BATTERY BUSS DETAILS



W&LE Whooling & Lake Erie Railway	
LOCATION: SWABB RD. CRANBERRY TOWNSHIP, OH	
ORDER NO. 01/11/2008 PROJECT: PSS DRAWING: PSS	DATE: 01/11/2008 BY: CAREY CHECKED: PSS
TITLE: BATTERY CHARGER SCALE: C-08-247 SHEET: 1 OF 2	DATE: 01/11/2008 BY: CAREY CHECKED: PSS



- NOTES:
1. USE THE FOLLOWING COLOR CODE:
 WHN - GREEN - SAFETY EQUIPMENT GROUND
 BLK - BLACK - 240V (120/240V)
 RED - RED - 240V (120/240V)
 EXCEPTIONS TO THE ABOVE COLOR CODE ARE THE PRE-WIRED, SEALED ARRESTOR UNITS MOUNTED ON THE BREAKER BOX WHICH HAVE TWO BLACK AND ONE WHITE WIRE EACH.
 2. MINIMUM WIRE SIZE:
 10 AMP - NO. 14 AWG THIN OR THIN SOLID
 20 AMP - NO. 12 AWG THIN OR THIN SOLID
 30 AMP - NO. 10 AWG THIN OR THIN SOLID
 3. GROUND FAULT INTERRUPT (GFI) MUST BE USED ON ALL CIRCUITS SERVING CONVENIENCE OUTLETS AND ANY EQUIPMENT OUTSIDE THE BUNGALOW RECEPTACLE VOLUME. GFI UNIT BE USED INSIDE OF BREAKER TIE.
 4. ALL GROUND WIRES RUN TO BREAKER BOX



W&LE

Wincheling & Lake Erie Railway

SWANB. RD.
CHAMBERLAIN TOWNSHIP, OH

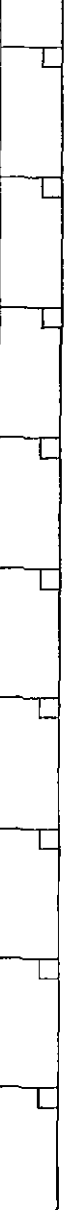
DATE	07/11/2008	TIME	AC POWER DISTRIBUTION	
REVISION	R05	DATE	CAREY	08-08-747
REVISION	R05	DATE	C81.5	1"=2'
REVISION	R05	DATE	001.9405	14 of 18

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

SIDE D



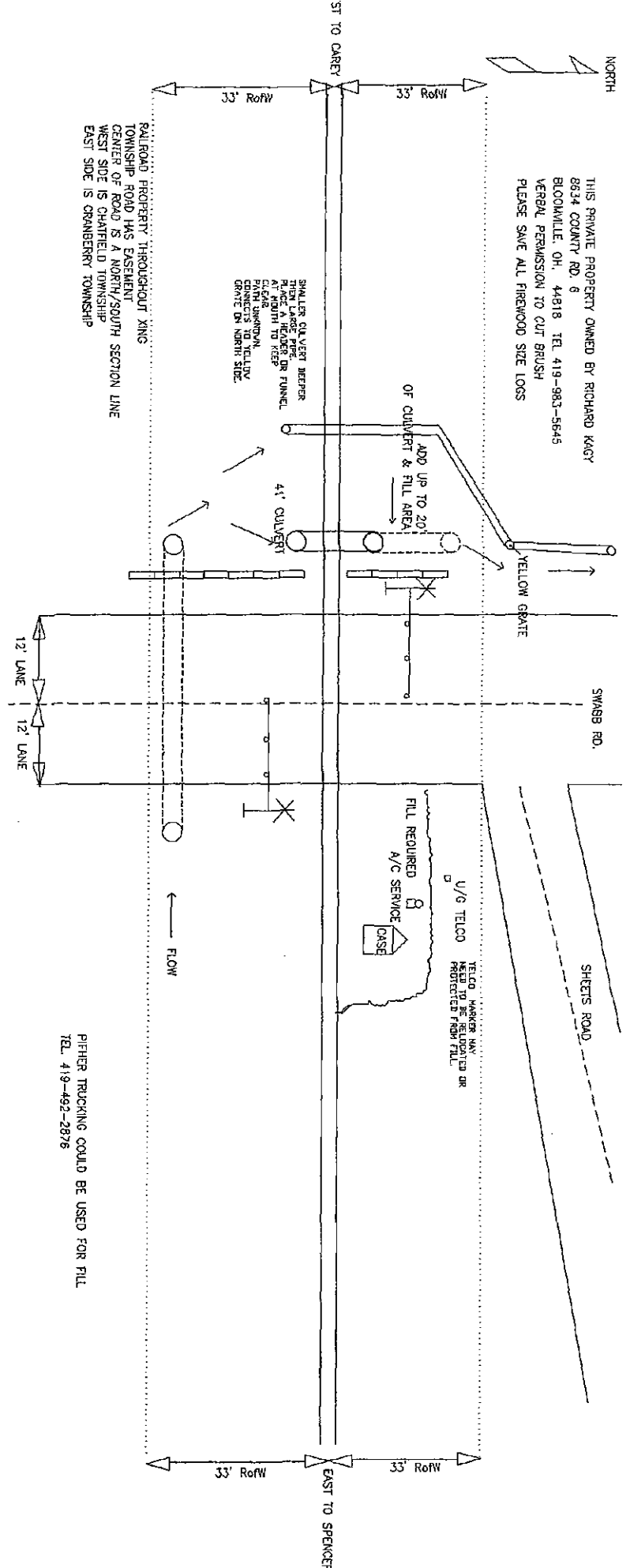
LOCAL DEL 07/11/2008		MTC		PACK FRONT VIEW	
DELIVERY	RSS	SW	CHRY	PIG NO	C-08-747
DELIVERY	RSS	RAW	CH.5	SOOL	1"=2'
DELIVERY	RSS	CON. HL	001-5405	3/8" I1	15' SW 1B



W&LE		CRANBERRY TOWNSHIP, OH	
DATE	07/11/2008	TIME	BACK BACK VIEW
DEGREE	85.5	DATE	04/87
DEG 15MIN	85.5	TIME	0241.5
COORD	855	NO. OF	001-S405
		SHOT	3402
			1-2
			16 or 18

17 of

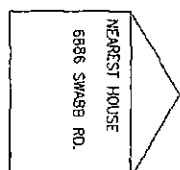
THIS PRIVATE PROPERTY OWNED BY RICHARD KAGY
8634 COUNTY RD. 6
BLOOMVILLE, OH. 44818 TEL. 419-983-5645
VERBAL PERMISSION TO CUT BRUSH
PLEASE SAVE ALL FIREWOOD SIZE LOGS



PITHER TRUCKING COULD BE USED FOR FILL
TEL. 419-492-2876

NO CURBS
12' LANE WIDTH
NO OVERLAPPING CIRCUITS
41' CULVERT WEST SIDE, 20' SECTION NEEDED FOR EXTENSION, FILL BEHIND IT, OK PER DRDC.
WHOLE NORTH/EAST QUADRANT NEEDS FILLED, FULL ROFW WIDTH TO 50' FROM EDGE OF ROADWAY
NO OVERHEAD CONFLICTS
HARDWARE SHUNTS FINE
TIMBER XING SURFACE NEW
NEAREST ELECTRIC AT CHATFIELD CENTER ROAD
NORTH CENTRAL ELECTRIC
SITE SURVEY 3-31-2008

UNDERGROUND UTILITIES
120 WORKING DAYS
BEFORE YOU DIG
CALL 1-800-367-2764 (TOLL FREE)
RIGID UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY



VISION
BLOCK

W&L E 100 EAST FIRST STREET BRENSIER, OHIO 44613		WHEELING & LAKE ERIE RAILWAY CAREY SUBDIVISION	
		LOCATION: SWAGB ROAD, WEST OF NEW WASHINGTON CRANBERRY TOWNSHIP, OUTSIDE OF NEW WASHINGTON SITE OVERVIEW	
DRAFTSMAN: DAB	JOB NO.:	DATE: 4-5-2008	SCALE: NOT TO SCALE
DOT NO.: 001-940-S	DATE POST: N - 81.5	SHEET: SUPPLEMENT	