

May 21, 2024

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
PO Box 3265
Harrisburg, PA 17105-3265

Re: PUC No. A-2021-3024998

Dear Secretary Chiavetta:

In accordance with ordering paragraphs number 3-5 of the PUC Secretarial Letter at Docket No. A-2021-3024988 dated June 23, 2021, please find attached for your approval one half-size copy of the situation and circuitry plans for the At-Grade crossing on Struble Road in Centre County, consisting of sheets 1 through 6 of 6. Also attached to the set of construction drawings are the following half-size plans:

1. Traffic Signal Plan consisting of sheets 1 through 4 of 4.

The Department of Transportation hereby avers that a complete set of the aforesaid final Drawings for Construction and aforementioned plans are being sent to the following parties of record in accordance with the attached Certificate of Service.

We respectfully request the approval of these plans and the subsequent issuance of a PUC Order. Should you have any questions or concerns, please feel free to contact David Wachob at (814) 496 - 6096.

Sincerely,

David Wachob

David J. Wachob, District Grade Crossing
Engineer
Engineering District 2-0
Department of Transportation

Attachments

cc: Parties of Record
Mark J. Chappell, P.E., Chief, Right-of-Way, Utilities and Grade Crossing Section, 7th
Floor, CKB
Karen L. Cummings, Office of Chief Counsel, 9th Floor, CKB
William Sinick, P.E., Supervisor, Rail Safety Engineering Section, PUC, 3rd Floor, CKB

SOUTH

NORTH

START 880'
30 SECS. @ 10 MPH
(INCLUDES 30 SEC. FOR PRE-EMPTION)

START 880'
30 SECS. @ 10 MPH
(INCLUDES 30 SEC. FOR PRE-EMPTION)

ROUTE 26
(E. COLLEGE AVENUE)

RAILROAD RIGHT OF WAY

RAILROAD RIGHT OF WAY

START 220'
25 SECS. @ 5 MPH

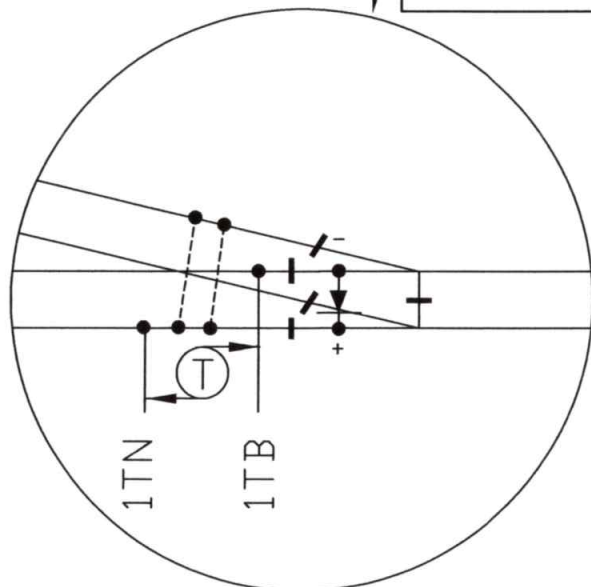
SIG. #2
W/NO LEFT TURN SIGN

SIG. #3
W/NO RIGHT TURN SIGN

TRACK RECTIFIER
EPC RING 10
(TYP.)
INSULATED JOINTS
(TYP.)

DO NOT DISTURB SOIL!
SOIL CONTAMINATED!
DO NOT DISTURB SOIL!

POWER SERVICE
6' X 6' HOUSE



FENCE

6' SIDEWALK

STRUBLE ROAD

CURB

NOTES:

1. MATERIAL & INSTALLATION TO BE IN ACCORDANCE WITH MUTCD, STATE AND RAILROAD STANDARDS.
2. ALL DIMENSIONS ARE APPROXIMATE AND MAY VARY DUE TO ACTUAL FIELD CONDITIONS.
3. FLASHLIGHT SIGNALS TO BE LIGHT EMITTING DIODE (LED) ASSEMBLIES.
4. (T) DENOTES TWIST PAIR.

CABLE RUN TABULATION

HOUSE TO SIGNAL #1	- 5/C #6 UG CABLE
	- 7/C #14 UG CABLE
HOUSE TO SIGNAL #2	- 5/C #6 UG CABLE
	- 7/C #14 UG CABLE
HOUSE TO SIGNAL #3	- 7/C #6 UG CABLE
HOUSE TO AC SERVICE	- 3/C #9 UG CABLE
HOUSE TO 1TB & 1TN	- 2/C #6 TWISTED PAIR
HOUSE TO 2TB & 2TN	- 2/C #6 TWISTED PAIR
HOUSE TO 3TB & 3TN	- 2/C #6 TWISTED PAIR
HOUSE TO TRAFFIC SIGNAL	- 7/C #14 UG CABLE

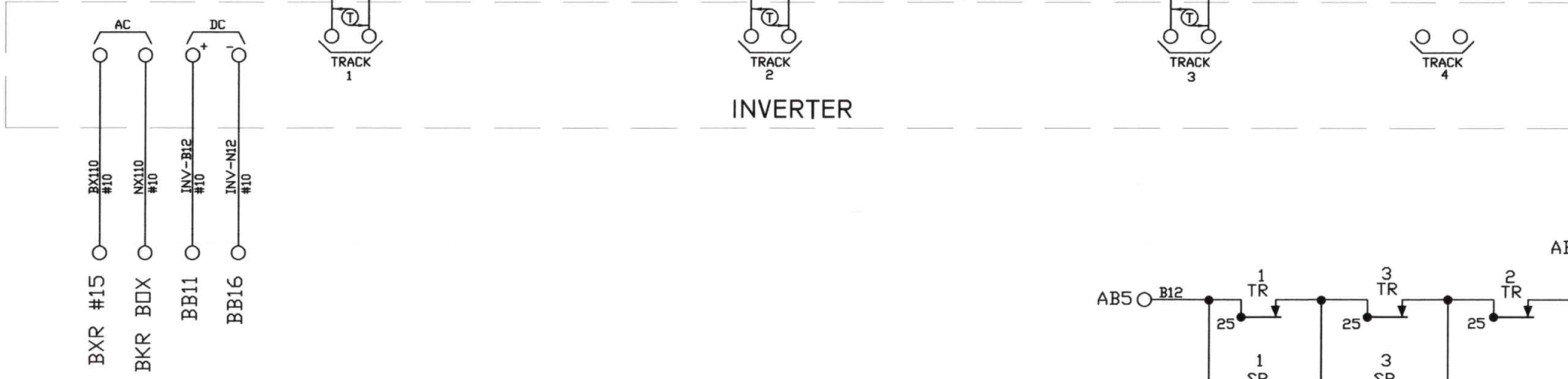
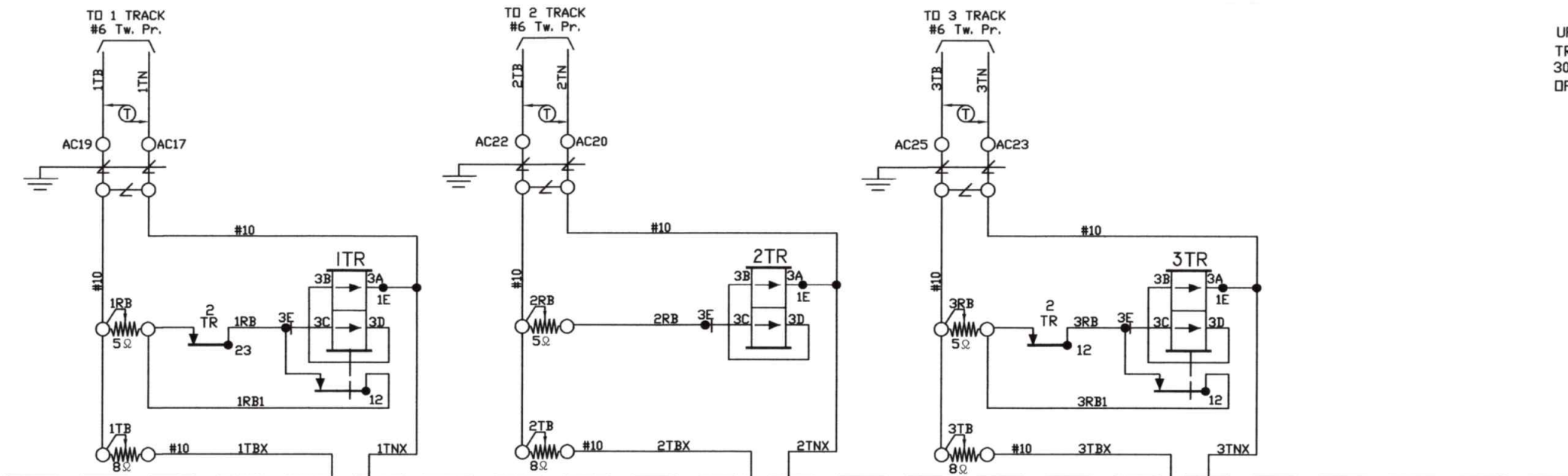
AS WIRED

AS INSTALLED

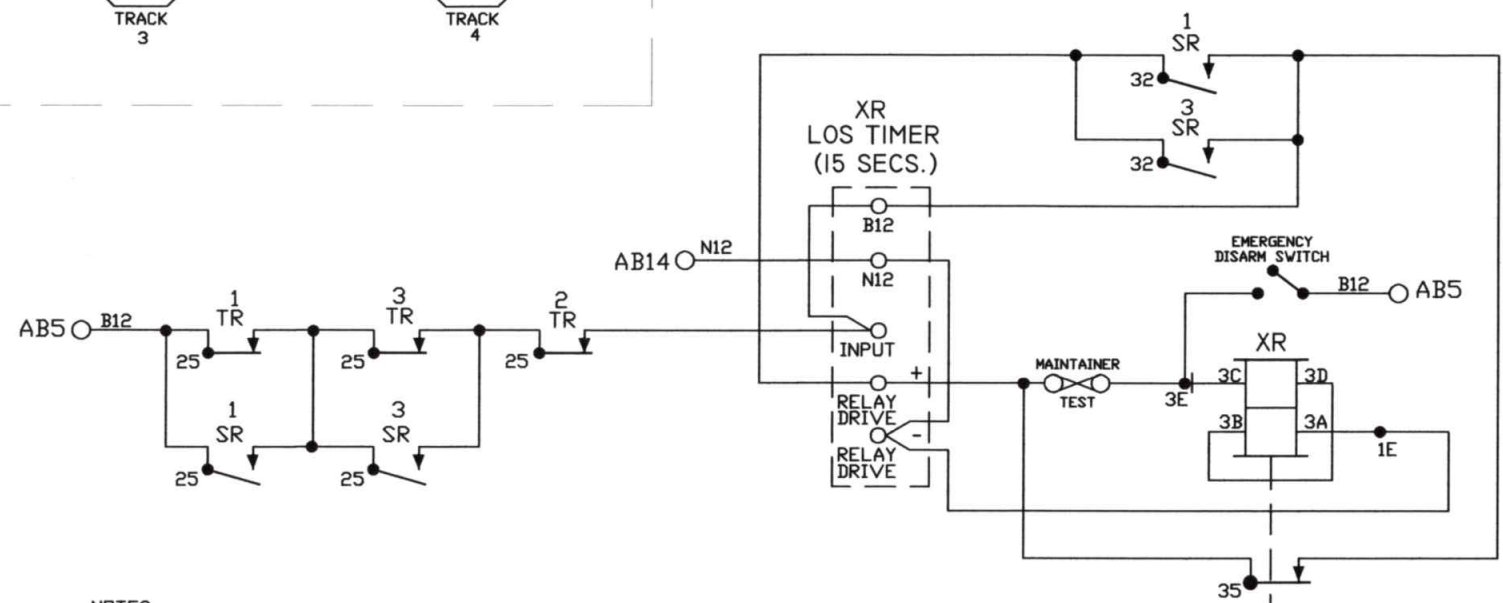
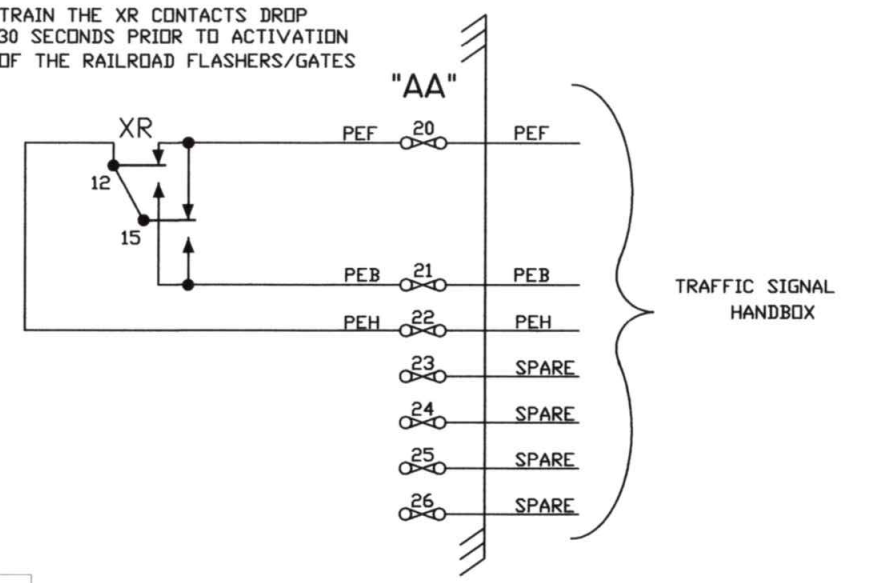
DIAMONDBACK SIGNAL

(410) 795-9601
5965 EXCHANGE DRIVE
SUITE 'D'
SYKESVILLE, MD
21784

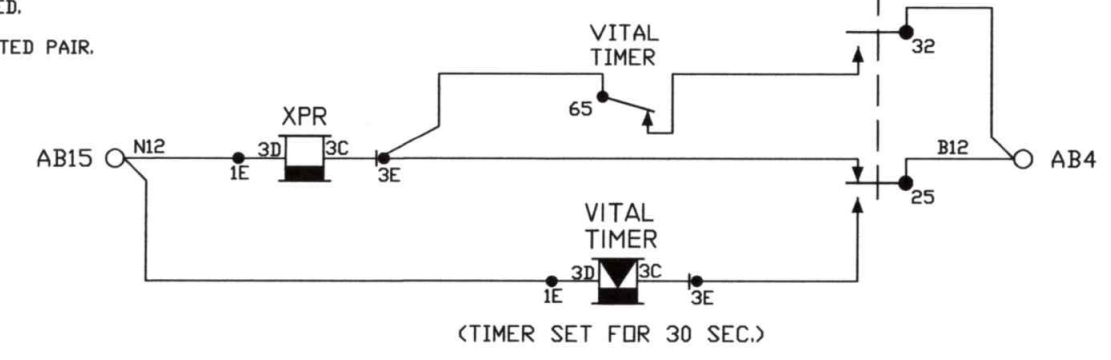
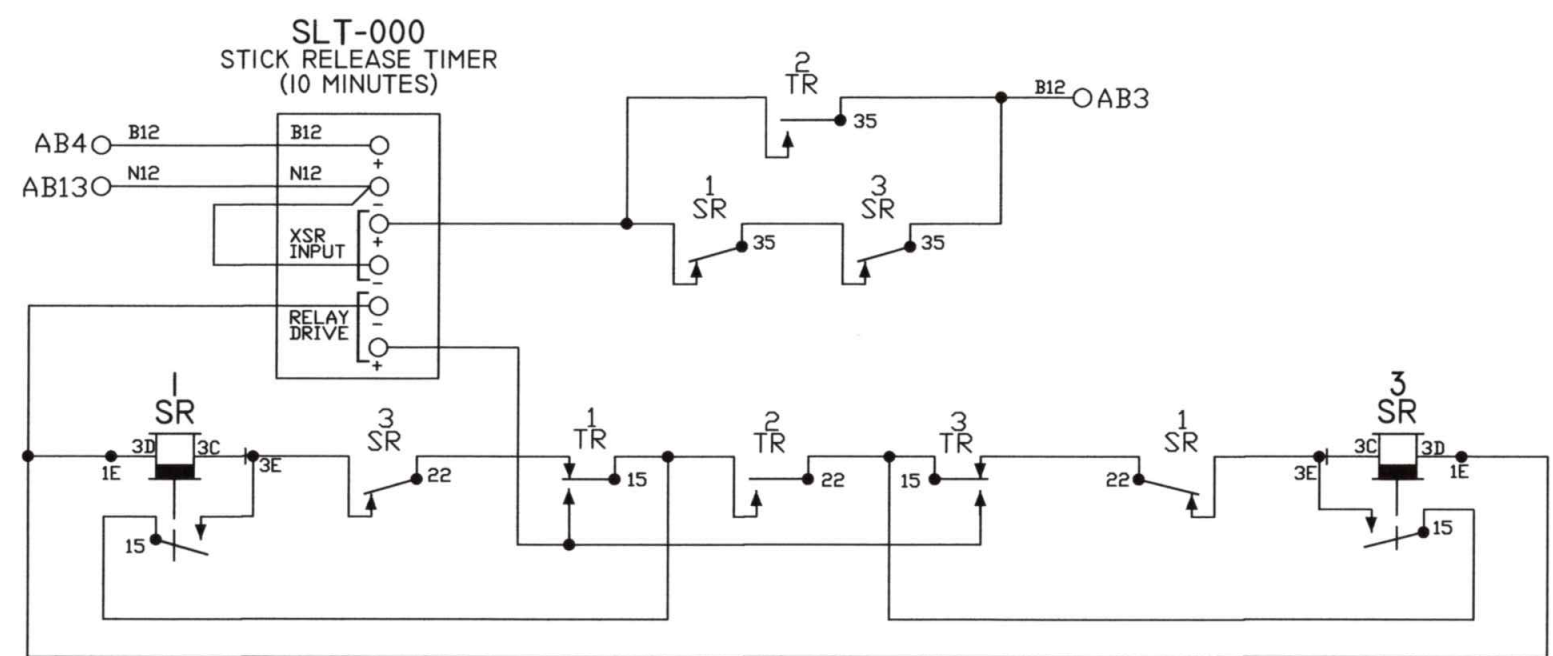
NITTANY & BALD EAGLE RAILROAD RAILROAD CROSSING WARNING DEVICES		DRAWN BY: KDL
SCALE: NONE	DATE: 07/22/2020	REVISED:
STRUBLE ROAD DOT #506 378J - M.P. 0041.52 LEMONT, CENTRE COUNTY, PA		
TRACK & CABLE PLAN		DRAWING NUMBER 0041.52



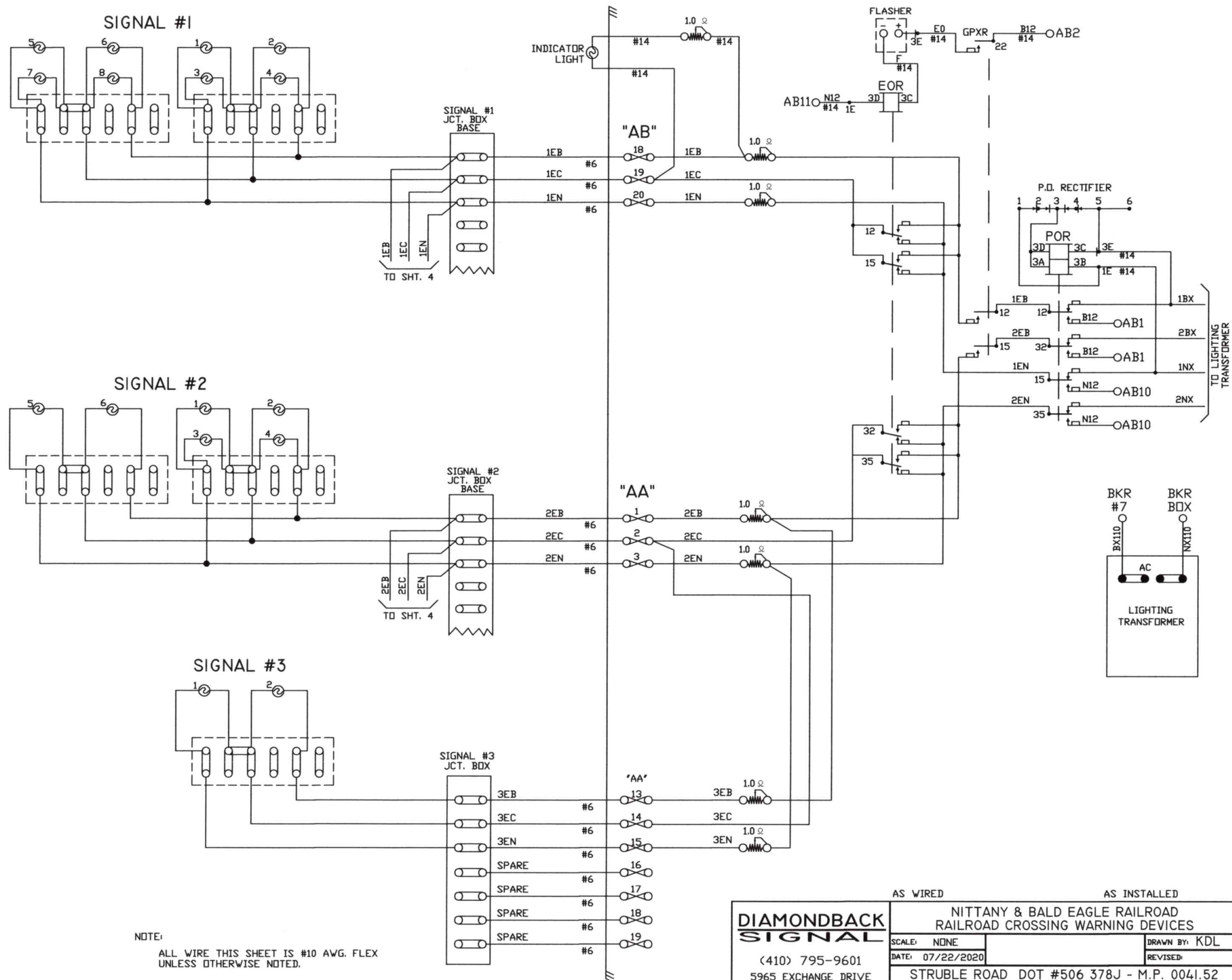
UPON THE APPROACH OF A TRAIN THE XR CONTACTS DROP 30 SECONDS PRIOR TO ACTIVATION OF THE RAILROAD FLASHERS/GATES



- NOTES:
1. ALL WIRE ON THIS SHEET IS #14 AWG FLEX UNLESS OTHERWISE NOTED.
 2. (T) DENOTES TWISTED PAIR.

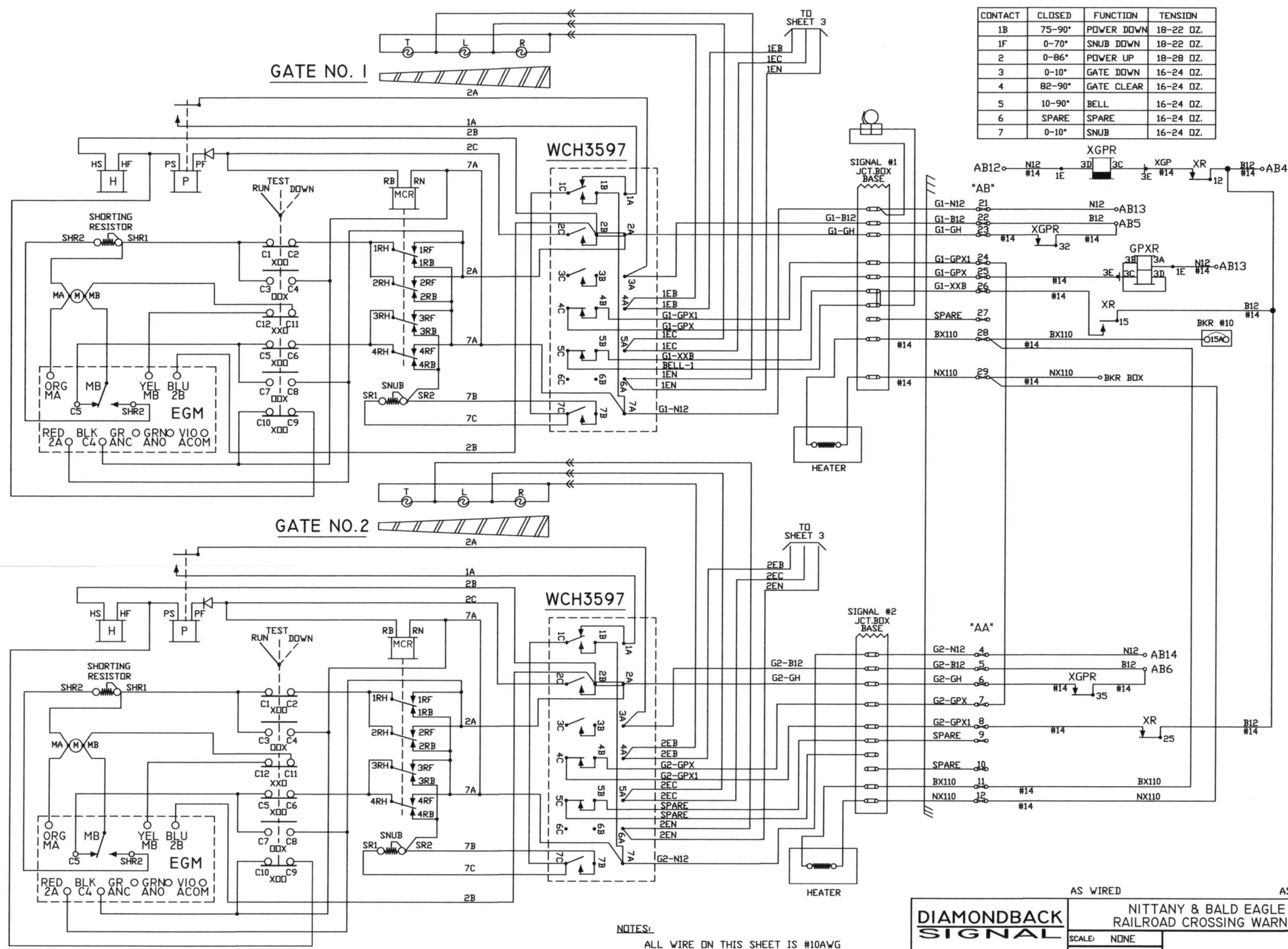


DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE "D" SYKESVILLE, MD 21784	AS WIRED	AS INSTALLED	
	NITTANY & BALD EAGLE RAILROAD RAILROAD CROSSING WARNING DEVICES		
	SCALE: NONE	DRAWN BY: KDL	
	DATE: 07/22/2020	REVISED:	
STRUBLE ROAD DOT #506 378J - M.P. 0041.52 LEMONT, CENTRE COUNTY, PA			
CIRCUIT PLAN "A"		DRAWING NUMBER 0041.52	



NOTE:
ALL WIRE THIS SHEET IS #10 AWG. FLEX
UNLESS OTHERWISE NOTED.

DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE "D" SYKESVILLE, MD 21784	AS WIRED	AS INSTALLED	
	NITTANY & BALD EAGLE RAILROAD RAILROAD CROSSING WARNING DEVICES		
	SCALE: NONE	DATE: 07/22/2020	DRAWN BY: KDL
	STRUBLE ROAD DOT #506 378J - M.P. 0041.52 LEMONT, CENTRE COUNTY, PA		REVISED:
CIRCUIT PLAN "B"		DRAWING NUMBER 0041.52	



CONTACT	CLOSED	FUNCTION	TENSION
1B	75-90°	POWER DOWN	18-22 OZ.
1F	0-70°	SNUB DOWN	18-22 OZ.
2	0-86°	POWER UP	18-28 OZ.
3	0-10°	GATE DOWN	16-24 OZ.
4	82-90°	GATE CLEAR	16-24 OZ.
5	10-90°	BELL	16-24 OZ.
6	SPARE	SPARE	16-24 OZ.
7	0-10°	SNUB	16-24 OZ.

GATE NO. 1

GATE NO. 2

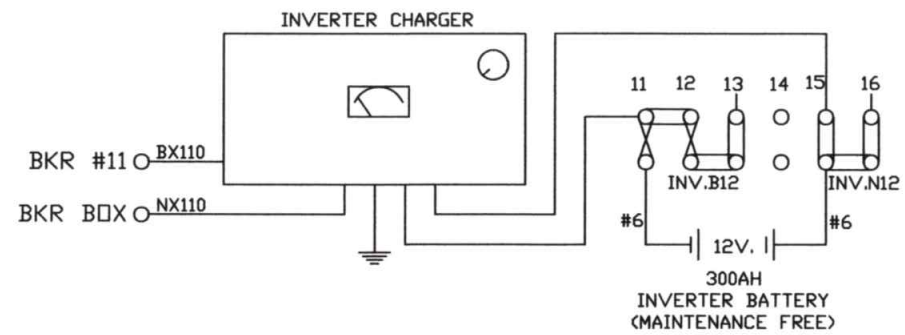
WCH3597

WCH3597

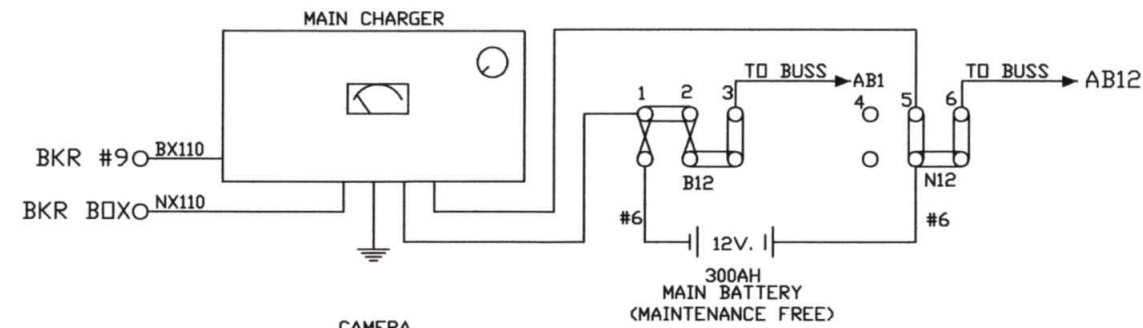
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ALL WIRE ON THIS SHEET IS #10AWG
UNLESS OTHERWISE NOTED.

DIAMONDBACK SIGNAL
(410) 795-9601
5965 EXCHANGE DRIVE
SUITE 'D'
SYKESVILLE, MD
21784

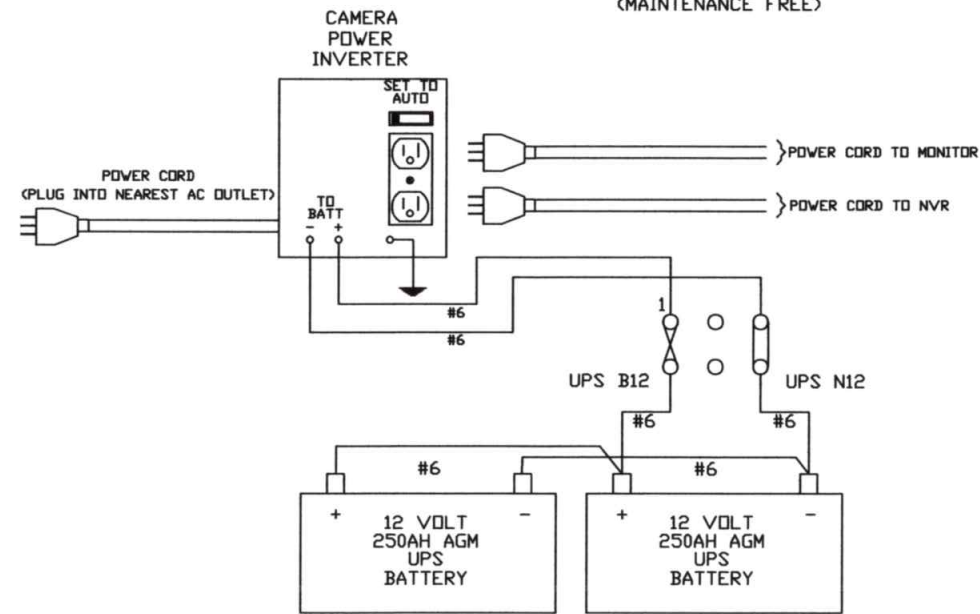
AS WIRED		AS INSTALLED	
NITTANY & BALD EAGLE RAILROAD RAILROAD CROSSING WARNING DEVICES			
SCALE: NONE	DATE: 07/22/2020	DRAWN BY: KDL	
STRUBLE ROAD DOT #506 378J - M.P. 0041.52 LEMONT, CENTRE COUNTY, PA		REVISED:	
CIRCUIT PLAN "C"		DRAWING NUMBER 0041.52	



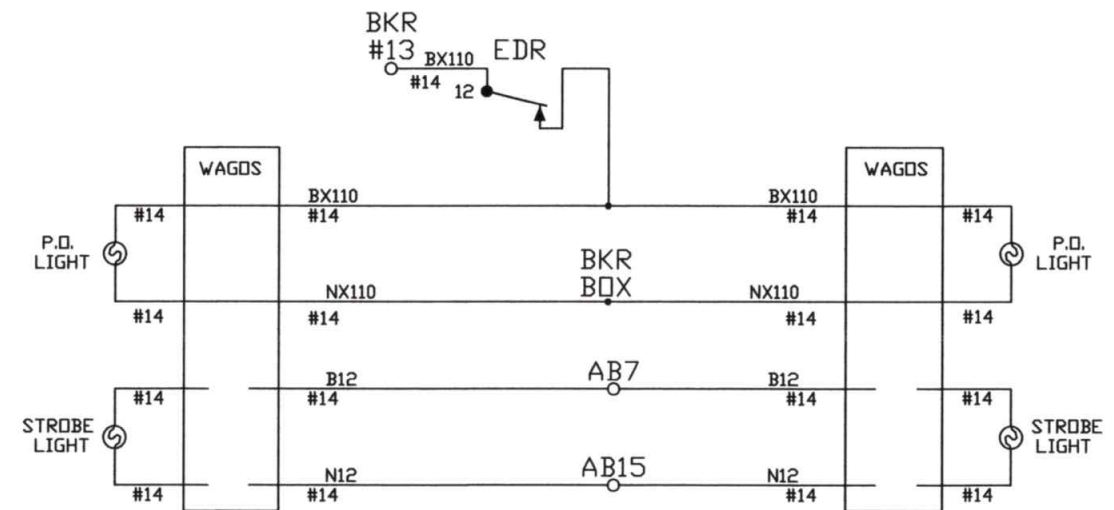
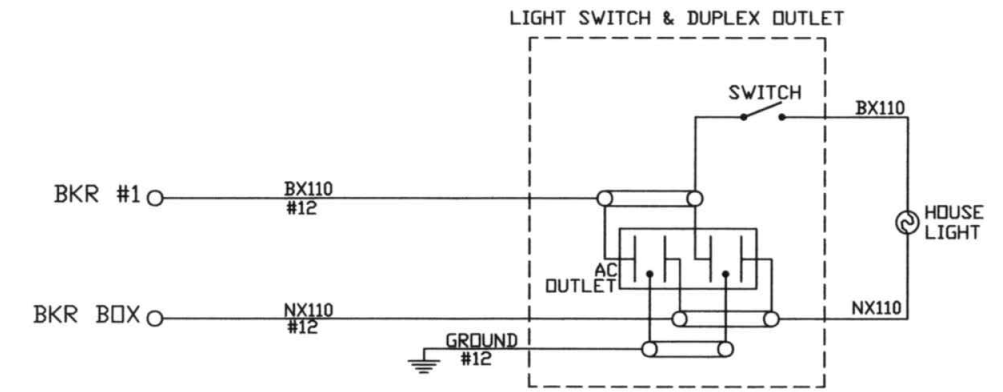
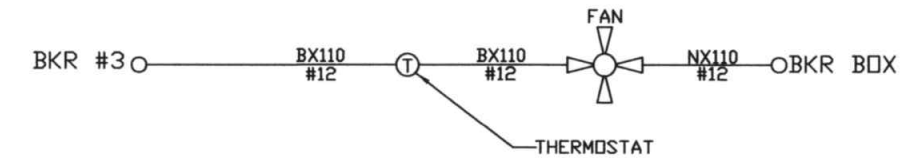
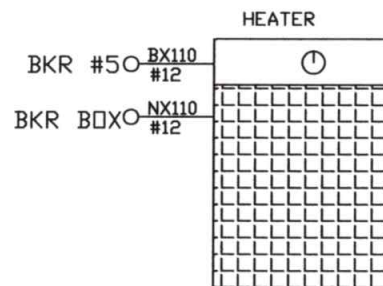
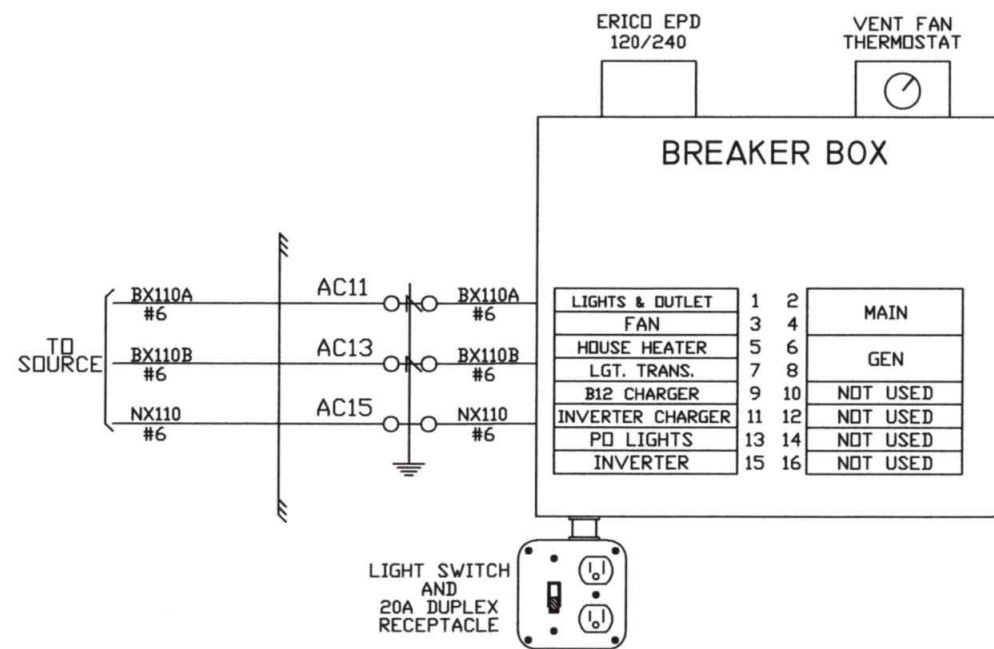
"BB"



"BB"



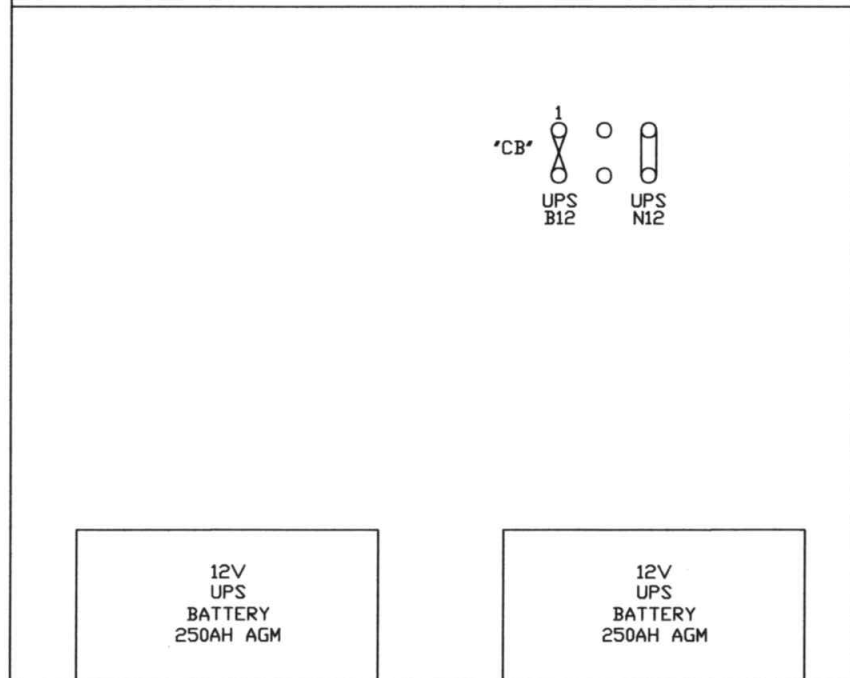
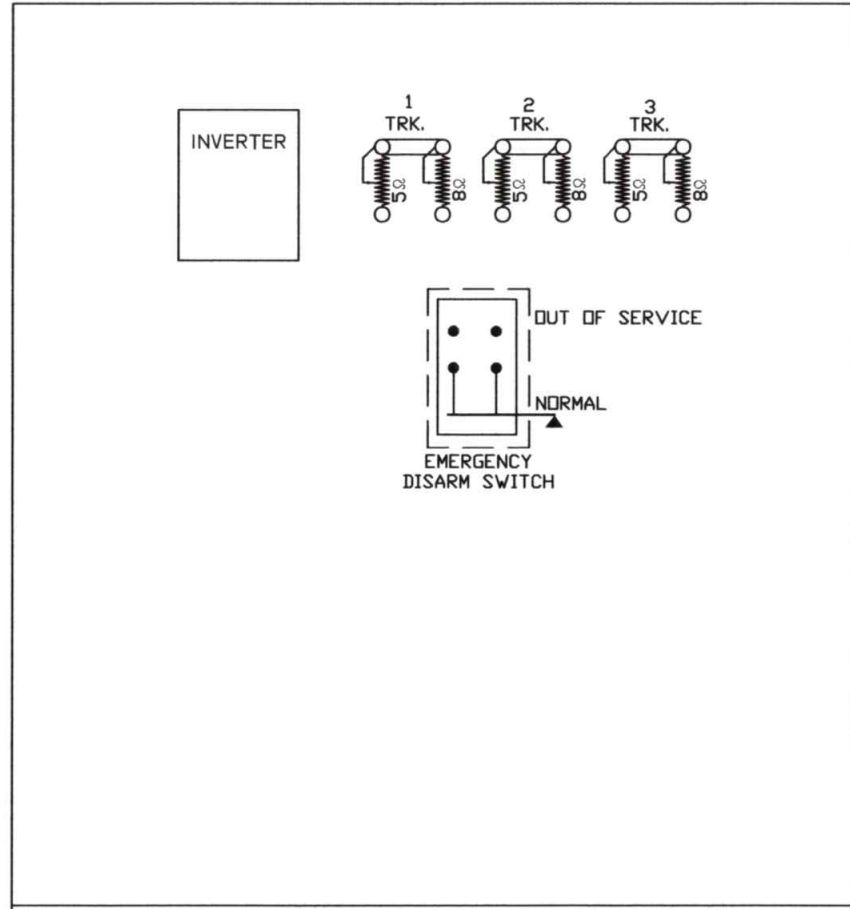
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NOTE:
ALL WIRE THIS SHEET IS #10 AWG FLEX
UNLESS OTHERWISE NOTED.

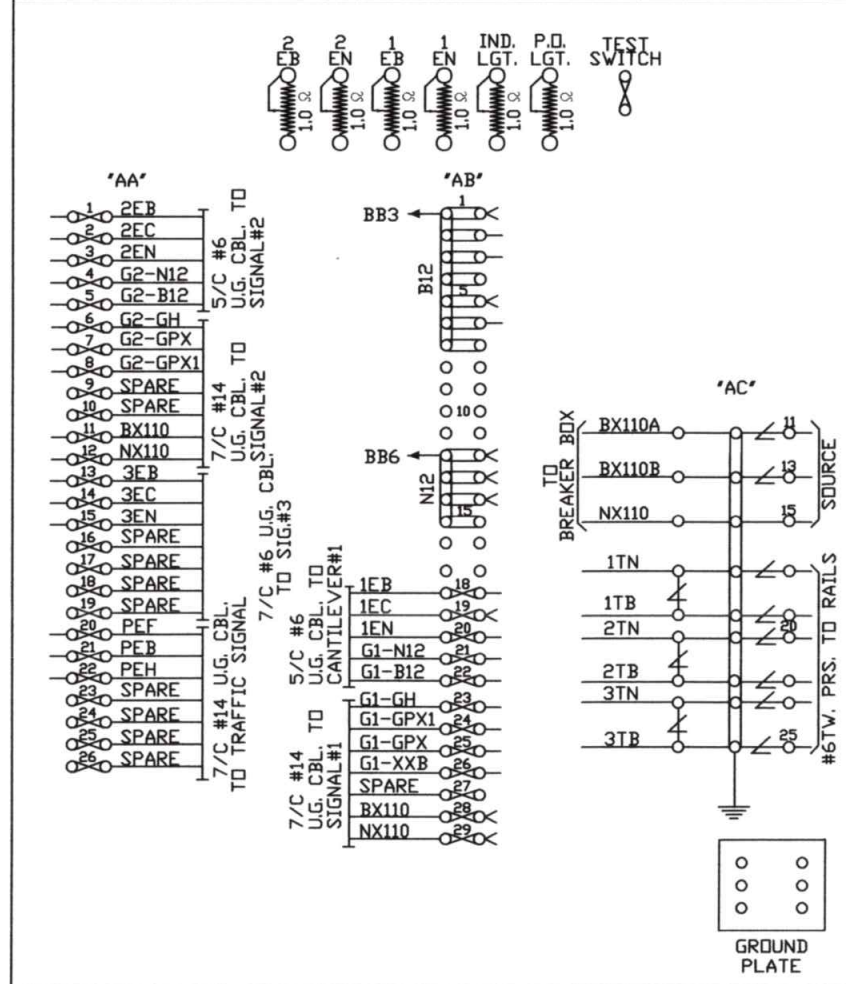
DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE 'D' SYKESVILLE, MD 21784	AS WIRED	AS INSTALLED	
	NITTANY & BALD EAGLE RAILROAD RAILROAD CROSSING WARNING DEVICES		
	SCALE: NONE DATE: 07/22/2020	DRAWN BY: KDL REVISED:	
	STRUBLE ROAD DOT #506 378J - M.P. 0041.52 LEMONT, CENTRE COUNTY, PA		DRAWING NUMBER 0041.52
SHEET 5 OF 6			

SIDE "B"

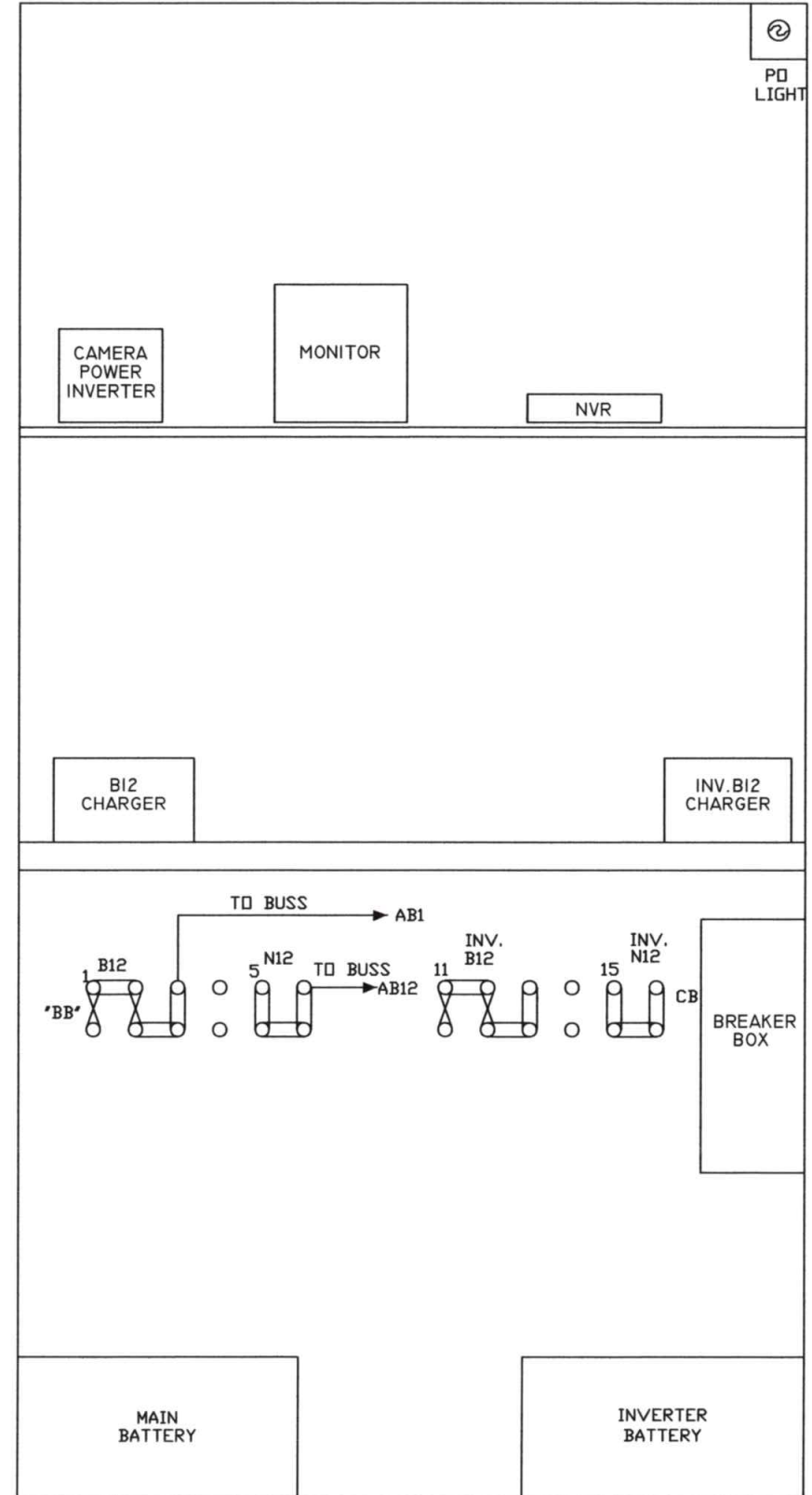


SIDE "A"

PD LIGHT						
LIGHT TRANS.	POR	EOR	GPXR	XR	XGPR	EDR
	12 FB	12 FB	12 B	12 F	12	12 B
	15 FB	15 FB	15 B	15	15	15
	22	32 FB	22 B	22	32 F	22
	25	35 FB	23	25 F	35 F	25 F
32 FB		25	32		32 B	
35 FB		32	35 B		35	
	A62-406	A62-671	A62-310	A62-262	A62-360	A62-262
	400800	400700-X	400020	400000	400200	400000
1 SR	1 TR	2 TR	3 TR	3 SR	(30 SEC.) VITAL TIMER	
12	12 F	12 F	12 F	12	SLT-000 STICK RELEASE TIMER (10 MIN)	42
15 F	15 FB	15 FB	15 FB	15 F	LOSS OF SHUNT TIMER (15 SEC)	43
22 B	22	22 B	22	22 B		46
23	23	23 F	23 F	23		53
25 F	25 F	25 F	25 F	25 F		56
32	32	32	32	32		62
35 B	35	35 B	35 B	35 B		65 B
	A62-357	A62-120	A62-120	A62-357		A62-627
	400211	400510	400510	400211		451000-X



SIDE "C"



DIAMONDBACK SIGNAL (410) 795-9601 5965 EXCHANGE DRIVE SUITE 'D' SYKESVILLE, MD 21784	AS WIRED	AS INSTALLED	
	NITTANY & BALD EAGLE RAILROAD RAILROAD CROSSING WARNING DEVICES		
	SCALE: NONE DATE: 07/22/2020	DRAWN BY: KDL REVISED:	
	STRUBLE ROAD DOT #506 378J - M.P. 0041.52 LEMONT, CENTRE COUNTY, PA		DRAWING NUMBER 0041.52
RELAY HOUSE LAYOUT			

4/23/2024

FILE NAME: U:\Diamondback_Signal\6895-College_Twp_RR_Xing-SIG.dgn

RAILROAD GRADE CROSSING INFORMATION

HIGHWAY RAIL GRADE CROSSING WARNING SYSTEM AND HIGHWAY TRAFFIC SIGNALS ARE CONNECTED.

BEFORE MODIFICATION IS MADE TO ANY OPERATION WHICH CONNECTS TO OR CONTROLS THE TIMING OF AN ACTIVE RAILROAD WARNING SYSTEM AND/OR TIMING AND PHASING OF A TRAFFIC SIGNAL, THE APPROPRIATE PARTY(IES) SHALL BE NOTIFIED, AND, IF NECESSARY, A JOINT INSPECTION IS TO BE HELD

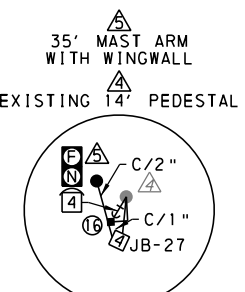
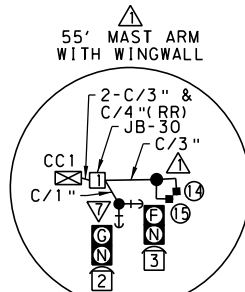
U.S. DOT CROSSING NO: 506-378J

- HIGHWAY AGENCY: PENNDOT
PHONE NUMBER: 814-765-0442
- RAILROAD: NITTANY & BALD EAGLE
PHONE NUMBER OFFICE: 814-355-4736
NUMBER OF TRACKS: (1)
SPEED LIMIT OF TRAIN: 10 MPH
TYPE OF DETECTOR: THREE TRACK LOGIC
DETECTOR DISTANCE FROM CROSSING: 440 FEET
ADVANCE WARNING TIME: VARIES DUE TO PREEMPTION TIMING
DETECTOR RELAY DELAY TIME: 0 SECONDS
- OTHER: COLLEGE TOWNSHIP
PHONE NUMBER: 814-231-3021

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION
FEDERAL HIGHWAY ADMINISTRATION
FEDERAL TRANSIT ADMINISTRATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

CONSTRUCTION NOTES

- ALL STOP BARS ARE TO BE W/24".
- ALL CROSSWALKS ARE TO BE W/24" KEYS, 8' WIDE, AND 4" SPACING.
- ALL JUNCTION BOXES ARE TO BE JB-27, UNLESS NOTED.



CONTROLLER ASSEMBLY
TYPE 1 MOUNTING WITH UPS
ELECTRICAL SERVICE TYPE B

REQUIRED TRAFFIC SIGNAL EASEMENT
LEGAL TRAFFIC SIGNAL EASEMENT

NEXT SIGNAL 1344'
AT NITTANY COMMONS
(PERMIT #21-89)

NEXT SIGNAL 1490'
AT SR 8018
(PERMIT #21-37)

NOTE: ALL RADAR DETECTOR LOCATIONS ARE TO BE DETERMINED BY THE SUPPLIER. ALL DETECTION ZONE DIMENSIONS AND SETTINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
2-0	CENTRE	0026	---	1 OF 4
COLLEGE TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

SIGNS				
PLAN SYMBOL	DESCRIPTION	SIZE WxH	SERIES DESIGNATION	QUANTITY
A	LEFT TURN YIELD ON FLASHING YELLOW ARROW	30"x36"	R10-12A	2
B	E College Ave	86"x16"	D3-4	2
C	LANE USE CONTROL (THREE LANES)	48"x30"	R3-8B(L-S-SR)	2
D	NO PEDESTRIAN CROSSING	18"x18"	R9-3	4
E	STOP HERE ON RED	24"x30"	R10-6L	3
F	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER SIGN ←	9"x15"	R10-3E(L)	2
G	EDUCATIONAL PUSH BUTTON FOR WALK SIGNAL WITH COUNTDOWN TIMER SIGN →	9"x15"	R10-3E(R)	2
H	← Struble Rd Gerald St →	70"x28"	D3-5	1
I	← Gerald St Struble Rd →	70"x28"	D3-5	1
J	LANE USE CONTROL (TWO LANES)	30"x30"	R3-8A(LS-R)	1
K	LEFT LANE	24"x18"	R10-6-1	1
L	NO RIGHT TURN TRAIN (LED BLANK OUT)	30"x36"	R3-1	1
M	DO NOT STOP ON TRACKS	24"x30"	R8-8	1
N	CAUTION - WALK TIME SHORTENED WHEN TRAIN APPROACHES	9"x12"	SS-1	4

DETECTION ZONES

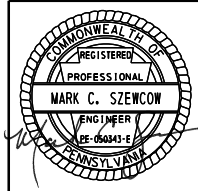
RADAR DETECTOR	ZONE	POLE	PHASE
1	1	6' x 50'	01
2	2	6' x 50'	05
3	3	18' x 300'	06
4	4	16' x 300'	02
5	5	6' x 15'	
5	5	6' x 75'	08
5	5	6' x 75'	
6	6	6' x 50'	04
7	7	6' x 40'	04

COUNTY: CENTRE
MUNICIPALITY: COLLEGE TOWNSHIP
INTERSECTION: SR 0026 (EAST COLLEGE AVE) / T-363 (GERALD ST) & T-380 (STRUBLE RD)

APPROVED BY:
Amy J. Kerner, P.E. 05-06-2024
MUNICIPAL OFFICIAL DATE

RECOMMENDED:
Mark C. Szewcon 5/8/2024
DISTRICT TRAFFIC ENGINEER DATE

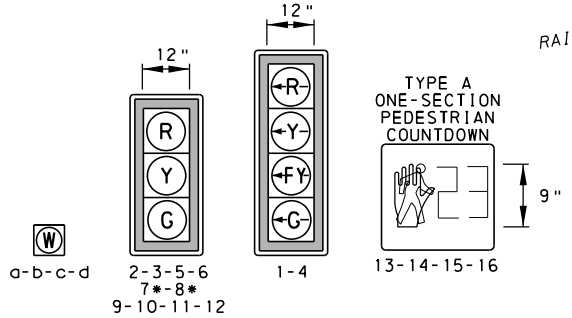
SCALE
0 25 50 FEET



TRAFFIC SIGNAL PLAN

- #### LEGEND
- 5 - JUNCTION BOX
 - ▲ - PEDESTAL
 - - PUSH BUTTON SUPPORT
 - ▲ - POST MOUNTED SIGN
 - ▲ - OVERHEAD SIGN
 - C/2" - CONDUIT/SIZE
 - W/6" - SOLID WHITE LINE / WIDTH
 - Y/4" - SOLID YELLOW/WIDTH
 - BW/4" - BROKEN WHITE LINE/ WIDTH
 - BY/4" - BROKEN YELLOW LINE/WIDTH
 - DY/4" - DOUBLE YELLOW SOLID LINE/WIDTH
 - 6 - ADVANCE RADAR DETECTOR
 - 6 - STOP BAR RADAR DETECTOR
 - ☼ - LUMINAIRE
 - CC4 - CONTROLLER ASSEMBLY
 - 5 - VEHICULAR SIGNAL HEAD
 - 5 - PEDESTRIAN SIGNAL HEAD
 - 5 - PEDESTRIAN PUSH BUTTON/SIGN
 - 5 - ADVANCE RADAR DETECTION ZONE
 - 5 - EMERGENCY PREEMPTION DETECTOR (OPTICAL)
 - 5 - EMERGENCY PREEMPTION CONFIRMATION LIGHT
 - ▲ - MAST ARM

SIGNAL IDENTIFICATION



* SIGNALS 7 AND 8 ARE TO BE OPTICALLY PROGRAMMED

SIGNAL ASSEMBLY NOTES:

- VEHICULAR SIGNALS TO BE EQUIPPED WITH TUNNEL VISORS AND BACKPLATES WITH REFLECTIVE BORDER.
- THE MOUNTING HEIGHT FOR OVERHEAD SIGNALS SHALL BE A MINIMUM OF 17' AND A MAXIMUM OF 18'.
- THE MOUNTING HEIGHT FOR POST MOUNTED SIGNALS SHALL BE A MINIMUM OF 10' AND A MAXIMUM OF 15'.
- FINAL SIGNAL HEAD PLACEMENT WILL BE DETERMINED BY A REPRESENTATIVE OF THE DISTRICT TRAFFIC UNIT.

DESIGNED BY: ENB DRAWN BY: JMS CHECKED BY: MCS

PLOTTED: 4/23/2024

FILE NAME: U:\Diamondback_Signal\6895-College_Twp_RR_Xing-SIG.dgn

MOVEMENT PHASING AND SEQUENCE

Table with 12 columns for phases (PHASE 1+5, PHASE 1+6, PHASE 2+5, PHASE 2+6, PHASE 4+8, PREEMPT 1+6, PREEMPT 2+5, PREEMPT 4, PREEMPT 8, RR CLEARANCE, RR HOLD 2+6) and 12 rows for signals (SIGNALS 1, 2-3, 4, 5-6, 7-8, 9-10, 11-12, 13-14, 15-16, a, b, c, d, FIXED, MINIMUM, PASSAGE, MAXIMUM I, MAXIMUM II, PEDESTRIAN*, MEMORY, CYCLE I, CYCLE II, CYCLE III). Includes diagrams for each phase and a detailed signal timing matrix.

* UPON PEDESTRIAN ACTUATION ONLY. OTHERWISE, DON'T WALK AT ALL TIMES.
** DURATION OF RAILROAD PREEMPTION

NOTE:
MAXIMUM I SETTINGS ON THE CONTROLLER ARE THE TIMES SPECIFIED IN CYCLE II. MAXIMUM II SETTINGS ON THE CONTROLLER ARE THE HIGHEST TIMES SPECIFIED IN CYCLE I, II, OR III.

COORDINATION PLAN

Table with columns: PLAN NO., TIME, PLAN, DAY OF WEEK (SMTWTFSS), CYCLE, OFFSET, REMARK. Contains 5 rows of coordination data.

OFFSETS REFERENCED TO START OF PHASE 2+6 YELLOW.

INTERCONNECTED NOTE

CONTROLLER COORDINATED WITH ADJACENT CONTROLLERS THROUGH THE USE OF THE BASED COORDINATION TO PROVIDE PROGRESSIVE MOVEMENT OF TRAFFIC:
- PERMIT #21-89 - SR 0150 & NITTANY COMMONS DWY
- PERMIT #21-36 - SR 0026 & SR 3011

DISTRICT: 2-0, COUNTY: CENTRE, ROUTE: 0026, SECTION: ---, SHEET: 2 OF 4. COLLEGE TOWNSHIP.

PHASING NOTES:

- 1 REMAINS G WHEN FOLLOWED BY 2+6
2 REMAINS -G- WHEN FOLLOWED BY 1+6
3 REMAINS -G- WHEN FOLLOWED BY 2+5
4 REMAINS -FY- WHEN FOLLOWED BY 2+6
5 TIMING WILL BE AS SHOWN IN PHASE 2+6. IT MAY TIME OUT IN THIS PHASE OR BE COMPLETED IN PHASE 2+6
6 PHASE 2+6 MUST BE FOLLOWED BY 4+8
7 EQUIP -FY- WITH 2 SECOND DELAY

EMERGENCY VEHICLE PREEMPTION NOTES:

EMERGENCY VEHICLE PREEMPTION MAY OCCUR DURING ANY INTERVAL OF THE NORMAL CONTROLLER OPERATION. DEPENDING ON THE DIRECTION OF TRAVEL OF THE EMERGENCY VEHICLE, ONE OF THE FOLLOWING SHALL BE DISPLAYED: EMERGENCY PREEMPTION PHASE 1+6, 2+5, 4 OR 8. THE SYSTEM SHALL PROVIDE SERVICE ON FIRST-COME FIRST SERVE BASIS. ONCE THE FIRST PRIORITY VEHICLE CALLS THE SYSTEM, IT SHALL PREVENT OTHER PREEMPTIVE VEHICLES FROM ENTERING CALLS UNTIL THE FIRST EMERGENCY VEHICLE RELEASES CONTROL AND CLEARS THE INTERSECTION.

UPON ACTIVATION BY AN EMERGENCY VEHICLE:

- 1. IF THE CONTROLLER OPERATION IS IN INTERVAL 1 OF A NON-PREEMPTIVE VEHICLE PHASE THE CONTROLLER SHALL TERMINATE THE INTERVAL IMMEDIATELY AND PROCEED NORMALLY THROUGH THE YELLOW AND ALL RED INTERVALS BEFORE PROCEEDING TO THE APPROPRIATE EMERGENCY VEHICLE PREEMPTION PHASE.
2. IF THE CONTROLLER OPERATION IS IN INTERVAL 1 OF THE PREEMPTION PHASE THE CONTROLLER SHALL REMAIN IN THAT INTERVAL.
3. ANY WALK INDICATION SHALL TERMINATE IMMEDIATELY AND PROCEED NORMALLY THROUGH THE FLASHING DON'T WALK, YELLOW AND ALL RED INTERVAL BEFORE PROCEEDING TO THE APPROPRIATE EMERGENCY VEHICLE PREEMPTION.
4. ANY FLASHING DON'T WALK INDICATION SHALL TIMEOUT NORMALLY, FOLLOWED BY THE YELLOW AND ALL RED INTERVAL BEFORE PROCEEDING TO THE APPROPRIATE EMERGENCY VEHICLE PREEMPTION PHASE.
5. IF THE CONTROLLER OPERATION IS IN THE YELLOW OR ALL RED INTERVAL OF ANY VEHICLE PHASE, THE CONTROLLER SHALL TIME OUT THOSE INTERVALS NORMALLY AND PROCEED TO THE APPROPRIATE EMERGENCY VEHICLE PREEMPTION PHASE.
6. UPON TERMINATION OF THE PREEMPTION PHASE THE CONTROLLER SHALL PROCEED NORMALLY THROUGH THE YELLOW AND ALL RED INTERVALS TO NORMAL TIME OF DAY AND "PHASE NEXT" OPERATION.
7. IF PREEMPTION OCCURS DURING CONFLICT/TIME CLOCK FLASH THE TRAFFIC SIGNAL SHALL CONTINUE FLASHING.
8. WHEN A CALL IS RECEIVED THE FAIL SAFE INDICATION SHALL BE ACTIVATED AND FOLLOWED BY THE SELECTIVE CLEARANCE INTERVALS. THE FAIL SAFE INDICATION SHALL CONSIST OF A SOLID WHITE LIGHT.

RAILROAD PREEMPTION NOTES:

THE TRAFFIC SIGNAL CONTROLLER IS TO BE INTERCONNECTED WITH THE RAILROAD CROSSING DEVICES. UPON ACTIVATION OF TRAIN PREEMPTION, THE TRAFFIC SIGNAL CONTROLLER IS TO PROVIDE THE RR CLEAR AND RR HOLD PHASES AS SHOWN.

THE SIGNALS, WHEN ACTIVATED BY A TRAIN, SHALL TRUNCATE ALL GREEN INDICATIONS TO A VALUE OF 5 SECONDS, FOLLOWED BY SELECTIVE CLEARANCES DEPENDING UPON THE IN WHICH THE PREEMPTION OCCURS, FOLLOWED BY THE RR CLEAR INTERVAL 1.

THE SIGNALS, WHEN ACTIVATED BY A TRAIN, SHALL TIME OUT ALL YELLOW AND RED INDICATIONS, FOLLOWED BY THE RR CLEAR INTERVAL 1.

SIGN "L" TO ILLUMINATE IMMEDIATELY UPON ACTIVATION OF RR CLEAR INTERVAL 1 AND SHOW DARK UPON DEACTIVATION OF RAILROAD LIGHTS.

IF THE SIGNALS HAVE BEEN ACTUATED BY PEDESTRIAN PUSH BUTTONS, AND THE SIGNAL IS PRE-EMPTED BY A TRAIN, THE MAN INTERVAL SHALL TERMINATE IMMEDIATELY, FOLLOWED BY THE "FLASHING HAND" INDICATION, FOLLOWED BY THE APPROPRIATE SELECTIVE CLEARANCE BEFORE GOING INTO TRAIN PRE-EMPTION. THE "FLASHING HAND" TIME FOR ALL PHASES IS TO BE TRUNCATED TO A VALUE OF 18 SECONDS AND BE ENTIRELY CONTAINED WITHIN THE VEHICULAR GREEN INTERVAL ONLY.

UPON COMPLETION OF RR PHASE 2+6, IN RETURNING TO NORMAL OPERATION, PHASE 2+6 INTERVAL 1

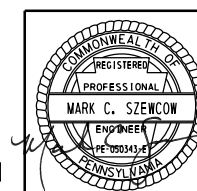
IF THE SIGNALS, WHEN ACTIVATED BY TRAIN PREEMPTION ARE FLASHING, ALL SIGNALS SHALL REMAIN FLASHING AND SIGN "L" SHALL BE ILLUMINATED.

RAILROAD PRE-EMPTION TIMING SEQUENCE
RIGHT OF WAY TRANSFER TIME: 26 SEC
QUEUE CLEARANCE TIME: 24 SEC
DESIRED MINIMUM SEPARATION TIME: 0 SEC
MAXIMUM PRE-EMPTION TIME: 50 SEC
RAILROAD LIGHTS FLASH AFTER: 20 SEC
GATES START DESCENDING: 30 SEC
GATES DOWN: 35 SEC
FASTEST TRAIN CROSSES AFTER: 50 SEC

COUNTY: CENTRE
MUNICIPALITY: COLLEGE TOWNSHIP
INTERSECTION: SR 0026 (EAST COLLEGE AVE) / T-363 (GERALD ST) & T-380 (STRUBLE RD)

APPROVED BY: Amy J. Kerner, P.E. 05-06-2024
MUNICIPAL OFFICIAL DATE

RECOMMENDED: [Signature] 5/8/2024
DISTRICT TRAFFIC ENGINEER DATE

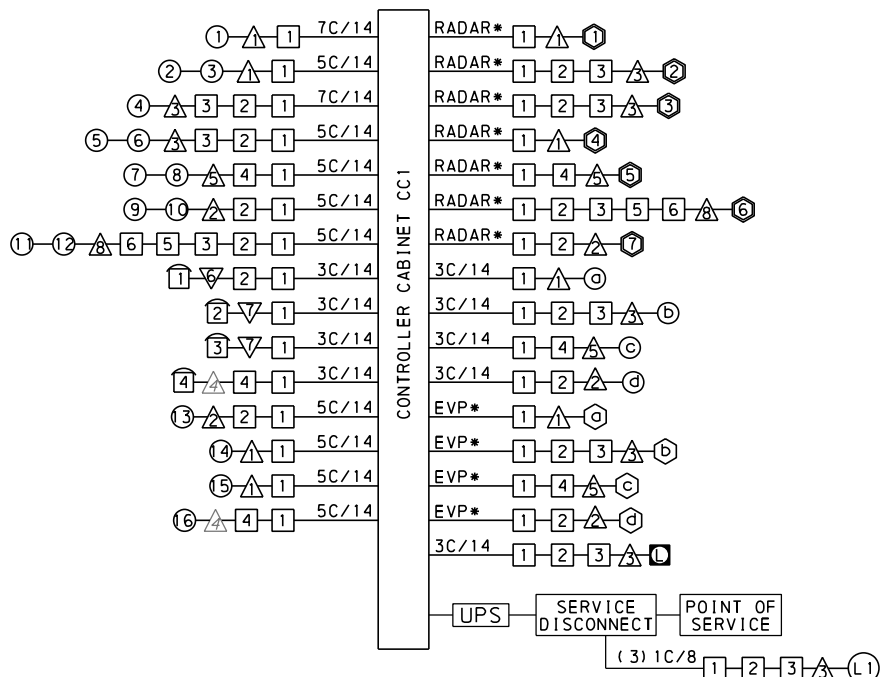


SCALE
0 25 50 FEET

TRAFFIC SIGNAL PLAN

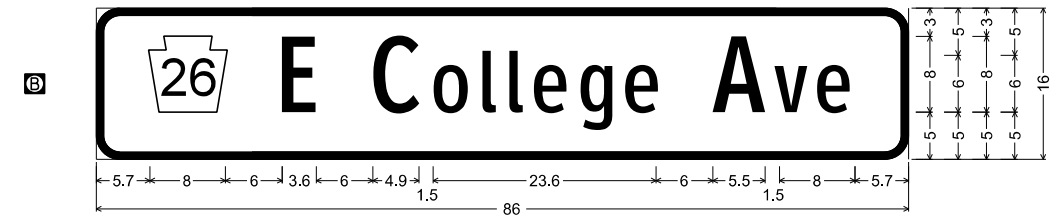
DESIGNED BY: ENB DRAWN BY: JMS CHECKED BY: MCS

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
2-0	CENTRE	0026	---	3 OF 4
COLLEGE TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	



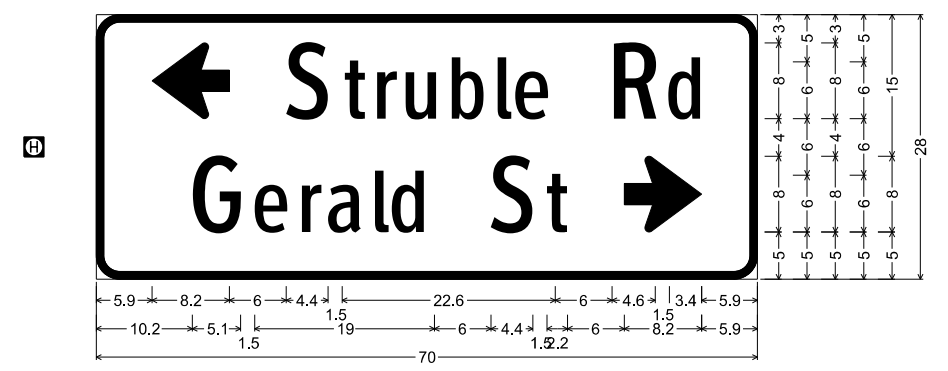
* AS PER MANUFACTURER'S SPECIFICATIONS
WIRING DIAGRAM

- LEGEND**
- ④ - SIGNAL HEAD
 - ④ - JUNCTION BOX
 - ④ - RADAR DETECTOR
 - △ - TRAFFIC SIGNAL SUPPORT
 - ▽ - PEDESTRIAN PUSH BUTTON SUPPORT
 - ⊙ - PREEMPTION CONFIRMATION LIGHT
 - ⊙ - EMERGENCY PREEMPTION DETECTOR (OPTICAL TOMAR)
 - ④ - PEDESTRIAN PUSH BUTTON
 - L1 - LUMINAIRE
 - - LED BLANK OUT SIGN
- 5C/14- CABLE (NO. OF CONDUCTORS/SIZE AWG)



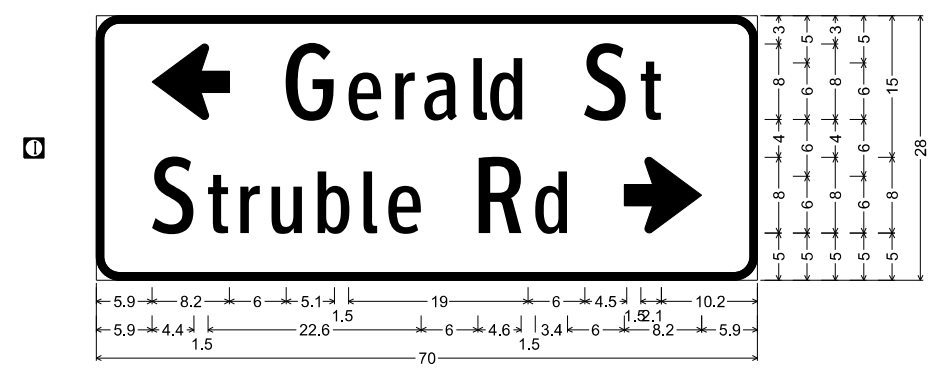
2.5" Radius, 0.8" Border, White on Green;
"E", ClearviewHwy-2-W; "C", ClearviewHwy-2-W; "ollege", ClearviewHwy-2-W;
"A", ClearviewHwy-2-W; "ve", ClearviewHwy-2-W;
Table of widths and spaces

26	E	C	o	l	l	e	g	e	A	v	e													
5.7	8.0	6.0	3.6	6.0	4.9	1.5	3.6	1.5	1.5	1.2	1.5	1.1	3.5	1.3	3.4	1.5	3.5	6.0	5.5	1.5	3.6	0.9	3.5	6.7



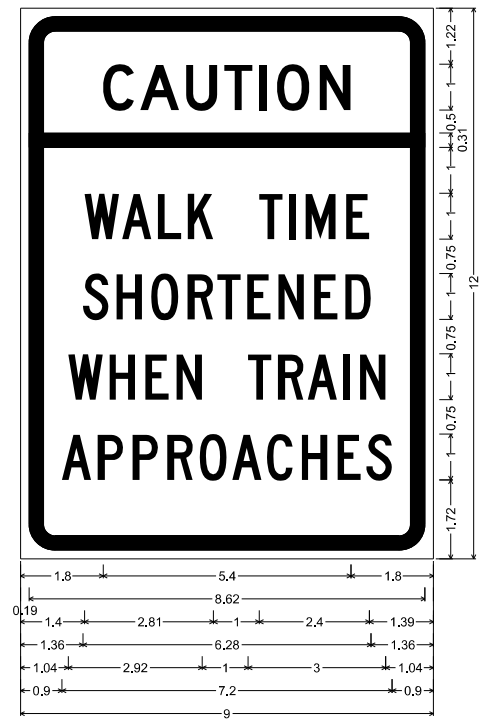
2.5" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 8.2" X 8.0" 180°; "S", ClearviewHwy-2-W;
"truble", ClearviewHwy-2-W; "R", ClearviewHwy-2-W; "d", ClearviewHwy-2-W;
"G", ClearviewHwy-2-W; "erald", ClearviewHwy-2-W; "S", ClearviewHwy-2-W;
"t", ClearviewHwy-2-W; Standard Arrow Custom 8.2" X 8.0" 0°;
Table of widths and spaces

←	S	t	r	u	b	l	e	R	d	→										
5.9	8.2	6.0	4.4	1.5	2.2	1.3	2.1	1.2	3.2	1.7	3.4	1.4	1.5	1.1	3.5	6.0	4.6	1.5	3.4	5.9
10.2	5.1	1.5	3.5	1.4	2.1	1.0	3.5	1.5	1.5	1.1	3.4	6.0	4.4	1.5	2.2	6.0	8.2	5.9		



2.5" Radius, 0.8" Border, White on Green;
Standard Arrow Custom 8.2" X 8.0" 180°; "G", ClearviewHwy-2-W;
"erald", ClearviewHwy-2-W; "S", ClearviewHwy-2-W; "t", ClearviewHwy-2-W;
"S", ClearviewHwy-2-W; "truble", ClearviewHwy-2-W; "R", ClearviewHwy-2-W;
"d", ClearviewHwy-2-W; Standard Arrow Custom 8.2" X 8.0" 0°;
Table of widths and spaces

←	G	e	r	a	l	d	S	t	→											
5.9	8.2	6.0	5.1	1.5	3.5	1.5	2.1	0.9	3.6	1.4	1.5	1.1	3.4	6.0	4.5	1.5	2.1	10.2		
5.9	4.4	1.5	2.2	1.3	2.1	1.2	3.2	1.7	3.4	1.4	1.5	1.1	3.5	6.0	4.6	1.5	3.4	6.0	8.2	5.9



0.75" Radius, 0.31" Border, 0.19" Indent
"CAUTION", D 2K; BLACK ON YELLOW;
"WALK TIME", C 2K; "SHORTENED", C 2K; BLACK ON WHITE;
"WHEN TRAIN", C 2K; BLACK ON WHITE;
"APPROACHES", C 2K; BLACK ON WHITE;
Table of distances between letter and object lefts

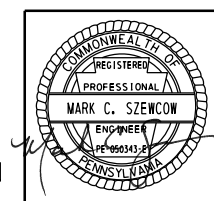
C	A	U	T	I	O	N		
1.80	0.81	1.00	0.83	0.77	0.38	0.93	0.68	1.80

W	A	L	K	T	I	M	E		
1.40	0.82	0.78	0.65	1.56	0.65	0.36	0.88	0.51	1.39

S	H	O	R	T	E	N	D			
1.36	0.73	0.76	0.79	0.65	0.65	0.68	0.78	0.68	0.56	1.36

W	H	E	N	T	R	A	N			
1.04	0.90	0.78	0.68	1.56	0.65	0.65	0.78	0.36	0.56	1.04

A	P	P	R	O	A	C	H	E	S		
0.90	0.78	0.76	0.76	0.71	0.70	0.76	0.76	0.78	0.63	0.56	0.90



COUNTY: CENTRE
MUNICIPALITY: COLLEGE TOWNSHIP
INTERSECTION: SR 0026 (EAST COLLEGE AVE) / T-363 (GERALD ST) & T-380 (STRUBLE RD)

APPROVED BY:
Amy J. Kerner, P.E. 05-06-2024
MUNICIPAL OFFICIAL DATE

RECOMMENDED:
Mark C. Szencow 5/8/2024
DISTRICT TRAFFIC ENGINEER DATE

SCALE
0 25 50 FEET

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to alter the public at-grade crossing by the installation of new active traffic control devices where Township Road 380, Struble Road, crosses the track(s) of the SEDA-COG Joint Rail Authority (DOT Number 506 378 J) in College Township, Centre County *all in accordance with the Federal Grade Crossing Program* and the allocation of costs incident thereto.

Application
Docket No. A-2021-3024998

Electronically Filed

VERIFICATION

I, David J. Wachob, hereby state that the facts above set forth are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. §4904 (relating to unsworn falsification to authorities).

Date: 5/21/2024

David Wachob

Grade Crossing Administrator

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to alter the public at-grade crossing by the installation of new active traffic control devices where Township Road 380, Struble Road, crosses the track(s) of the SEDA-COG Joint Rail Authority (DOT Number 506 378 J) in College Township, Centre County *all in accordance with the Federal Grade Crossing Program* and the allocation of costs incident thereto.

Application
Docket No. A-2021-3024998

Electronically Filed

CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true copy of the foregoing document upon the participants listed below, in accordance with the requirements of 52 Pa. Code § 1.54, by electronic mail:

SEDA-COG Joint Rail Authority
Kyle Postupack, Property Manager
201 Furnace Road
Lewisburg PA 17837
Phone: 570-524-4491
Email: kpostupack@seda-cog.org

Nittany & Bald Eagle Railroad
C/O North Shore Railroad
Jeb Stotter, President
356 Priestly Avenue
Northumberland PA 17857
Phone: 570-473-7949
Email: jstotter@nshr.com

Centre County Commissioners
John Franek, Chief Clerk
Willowbank Office Building
420 Holmes Street, Rm 151
Bellefonte PA 16823
Phone: 814-355-6700
Email: jfranek@centrecountypa.gov

College Township
Adam Brumbaugh
1481 East College Avenue
State College PA 16801
Email: abrumbaugh@collegetownship.org

College Township Water Authority
1481 East College Avenue
State College PA 16801
Phone: 814-231-3021
Email: akerner@collegetownship.org

Comcast CABLE
Jeff Walker
250 Reese Road
State College PA 16801
Phone: 814-954-5207
Email: Jeffrey_Walker2@comcast.com

Columbia Gas of Pennsylvania Inc.
Logan Harper Associate Field Engineer
1600 Colony Road
York PA 17408-4357
Phone: 717-849-0137
Email: lharp@nisource.com

State College Borough Water Authority
John A Lichman Executive Director
1201 West Branch Road
State College PA 16801
Phone: 814-238-6766
Email: max@scbwa.org

University Area Joint Authority
Mark Harter
1576 Spring Valley Road
State College PA 16801
Phone: 814-238-5361 Ext: 711
Email: mhart@uaja.com

Verizon Pennsylvania LLC
Facilities Management Center
Joe Schoch
250 South Allen Street
State College PA 16801
Phone: 814-231-6565
Email: joseph.l.schoch.jr@verizon.com

West Penn Power
Tony Wess
2800 East College Avenue
State College PA 16801

Phone: 814-231-5355
Email: awess@firstenergycorp.com

Ruetgers-Nease Corporation
c/o Andrew Kruczek
2 Turner Place
Piscataway NJ 08854-3839
Email: andrew.kruczek@evonik.com

Dated this 21st Day of May, 2024

David Wachob

David J. Wachob
70 PENNDOT Drive
Clearfield, PA 16830
Phone: 814-496-6096
Email: dwachob@pa.gov