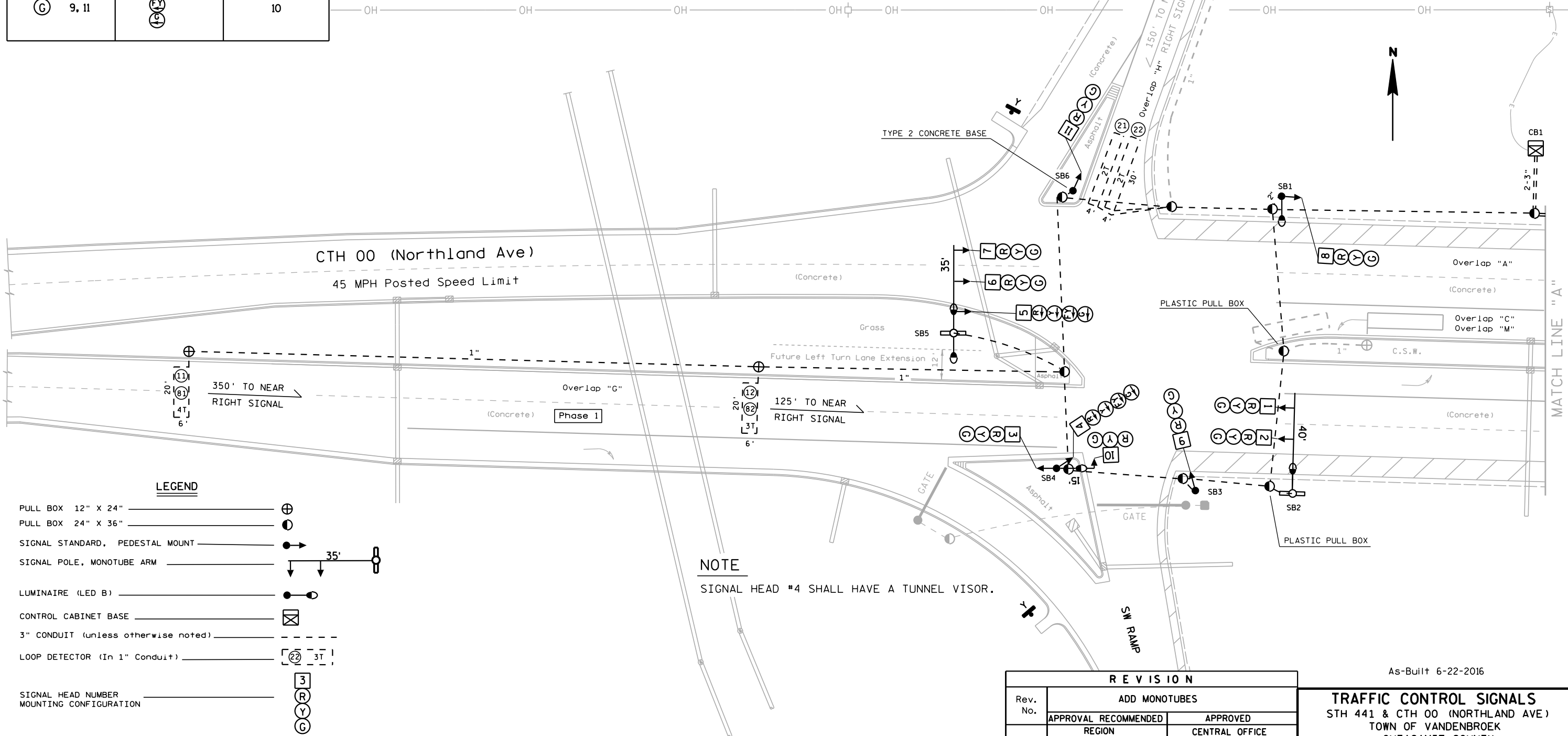


CONFIGURATION WITH HEAD NUMBERS		
3-V	4-VLP	3-H
<div><div>R</div><div>Y</div><div>G</div></div> 1, 2, 3 6, 7, 8 9, 11	<div><div>R</div><div>Y</div><div>G</div></div> 4, 5	<div><div>R</div><div>Y</div><div>G</div></div> 10

MONOTUBE STRUCTURE NUMBERS	
SB2	S-44-0117
SB5	S-44-0119



## LEGEND

PULL BOX 12" X 24"	
PULL BOX 24" X 36"	
SIGNAL STANDARD, PEDESTAL MOUNT	
SIGNAL POLE, MONOTUBE ARM	
LUMINAIRE (LED B)	
CONTROL CABINET BASE	
3" CONDUIT (unless otherwise noted)	
LOOP DETECTOR (In 1" Conduit)	
SIGNAL HEAD NUMBER MOUNTING CONFIGURATION	
OVERHEAD LINES	
UNDERGROUND ELECTRIC	
UTILITY POLE	
YIELD SIGN	
RAMP GATE	

## NOTE

SIGNAL HEAD #4 SHALL HAVE A TUNNEL VISOR.

## GENERAL NOTE

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

## REVISION

Rev. No.	ADD MONOTUBES			
	APPROVAL RECOMMENDED		APPROVED	
5	REGION	By	CENTRAL OFFICE	By
	Date	By	Date	By
7-17-2012	NEW TS2 CABINET (Econolite), CHANGE TO TTI PHASING & ADD FYA	RJS		JLB
1-25-2010	UPGRADE SIGNAL CONTROL AND CHANGE TO ALL RED FLASH			
3-14-2008	ADD HAND CONTROL			
3-11-2005	ADD LIGHTING AND PHASE 4 CONFIDENCE HEADS			

As-Built 6-22-2016

**TRAFFIC CONTROL SIGNALS**  
STH 441 & CTH 00 (NORTHLAND AVE)  
TOWN OF VANDENBROEK  
OUTAGAMIE COUNTY  
SIGNAL NO. 44-0510

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED  
Date 2-10-93 GERALD R KURTZ  
District Traffic Engineer

APPROVED  
Date 3-16-93 R I MOE  
State Electrical Engineer

Controller Type : ECONOLITE PAGE 1 OF 3

PROJECT NO: 4685-19-60

HWY: STH 441

COUNTY: OUTAGAMIE

TRAFFIC CONTROL SIGNAL S44-0510

SHEET NO:

E

FILE NAME : F:\d3\_traffic\15-510,rev5.dgn

PLOT DATE : 11-AUG-2016 10:40

PLOT BY : dotc5s

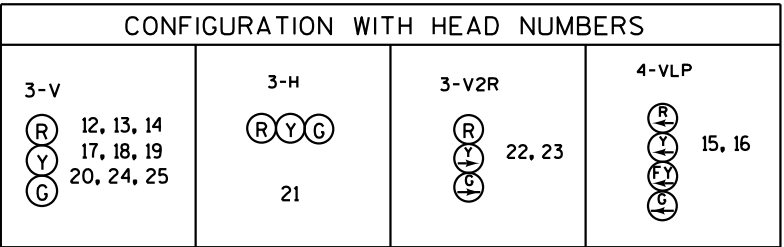
PLOT NAME : S-510,sb,rev5,ab

ORG DATE : 1-25-05

PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.



SIGNAL HEAD #15 SHALL HAVE A TUNNEL VISOR.

MONOTUBE STRUCTURE NUMBERS	
SB7	S-44-0120
SB11	S-44-0122

As-Built 6-22-2016

STH 441 & CTH 00 (NORTHLAND AVE)  
TOWN OF VANDENBROEK  
OUTAGAMIE COUNTY

SIGNAL NO. 44-0510

Controller Type : ECONOLITE

PAGE 2 OF 3

PROJECT NO: 4685-19-60
------------------------

HWY: STH 441

COUNTY: OUTAGAMIE

TRAFFIC CONTROL SIGNAL S44-0510

SHEET NO:
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**E**

## SEQUENCE OF OPERATION

																																																																										NOT USED																							
		Ø1						Ø2						Ø3						Ø4						Ø5						Ø6						Ø7						Ø8																																																					
		CLEAR TO						CLEAR TO						CLEAR TO						CLEAR TO						CLEAR TO						CLEAR TO						CLEAR TO																																																											
	HEAD NUMBERS	R/W	**	*			R/W	**	*			R/W	**	*			R/W	**	*			R/W	**	*			R/W	**	*			R/W	**	*			R/W	**	*																																																										
OL "A"	6, 7, 8	G	Y	R			R	R	R			R	R	R			G	Y	R			G	Y	R			G	Y	R							G	Y	R																																																											
OL "B"	17, 18, 19	G	Y	R			G	Y	R			G	Y	R			G	Y	R			R	R	R			R	R	R						G	Y	R																																																												
OL "C"	4, 5	-	-	-			R	R	R			R	R	R			G	Y	R			G	Y	R			-	-	-						-	-	-																																																												
OL "D"	15, 16	G	Y	R			G	Y	R			-	-	-			R	R	R			R	R	R			R	R	R						-	-	-																																																												
OL "E"	12, 13, 14	R	R	R			R	R	R			G	Y	R			G	Y	R			R	R	R			R	R	R						G	Y	R																																																												
OL "F"	20 - 25	R	R	R			R	R	R			R	R	R			R	R	R			G	Y	R			G	Y	R						R	R	R																																																												
OL "G"	1, 2, 3	G	Y	R			R	R	R			R	R	R			R	R	R			R	R	R			G	Y	R						G	Y	R																																																												
OL "H"	9, 10, 11	R	R	R			G	Y	R			G	Y	R			R	R	R			R	R	R			R	R	R						R	R	R																																																												
OL "M"	4, 5	FY	Y	R			-	-	-			-	-	-			-	-	-			-	-	-			FY	Y	R						FY	Y	R																																																												
OL "O"	15, 16	-	-	-			-	-	-			FY	Y	R			FY	Y	R			-	-	-			-	-	-					FY	Y	R																																																													

FLASH

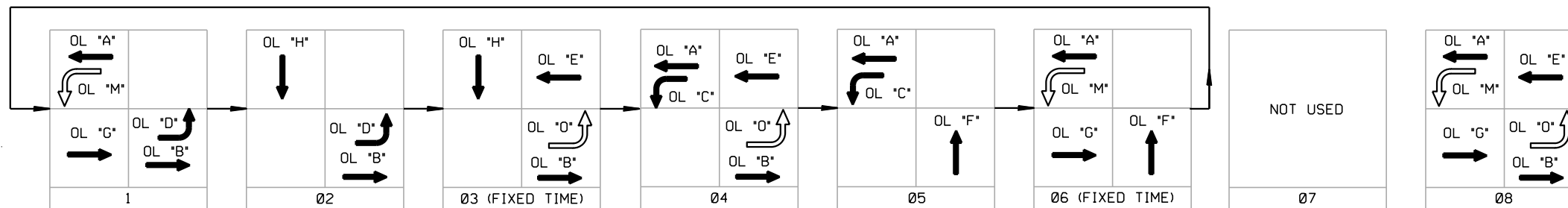
## CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL DAY	PHASE RECALL NIGHT	PHASE ACTIVE
1			MIN		YES
2			ACT		YES
3			MAX		YES
4			MIN		YES
5			MIN		YES
6			MAX		YES
7					
8				MIN	YES

## OVERLAPS

O.L. "A" = 01,04,05,06,08  
O.L. "B" = 01,02,03,04,08  
O.L. "C" = 04,05  
O.L. "D" = 01,02  
O.L. "E" = 03,04,08  
O.L. "F" = 05,06  
O.L. "G" = 01,06,08  
O.L. "H" = 02,03  
O.L. "M" = 01,06,08  
O.L. "O" = 03,04,08

N



## DETECTOR LOGIC

DETECTOR NUMBER	DETECTOR RACK NUMBER	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
21	3	X			2	2				6x30	3
22	4	X			2	2				6x30	3
51	1	X			5	5				6x10	4
52	2	X			5	5				4x30	2
81	5	X			8	8				6x20	4
82	6	X			8	8				6x20	4
83	11	X			8	8				6x20	3
84	12	X			8	8				6x20	4

TYPE OF INTERCONNECT COMMUNICATION	
NONE	
TBC	X
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	
*LOCATION OF MASTER CONTROLLER NO:	S-0000
SIGNAL SYSTEM #:	SS-0000

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
3M	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

## NOTES:

- ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
- DAY - OMIT PHASE 8  
NIGHT - OMIT PHASES 1, 3, 4 & 6
- PROVIDE FOR HAND CONTROL.

As-Built 6-22-2016

STH 441 & CTH 00 (NORTHLAND AVE)  
TOWN OF VANDENBROEK  
OUTAGAMIE COUNTY

SIGNAL NO. 44-0510

CONTROLLER TYPE: ECONOLITE

DATE: PAGE NO. 3 OF 3