

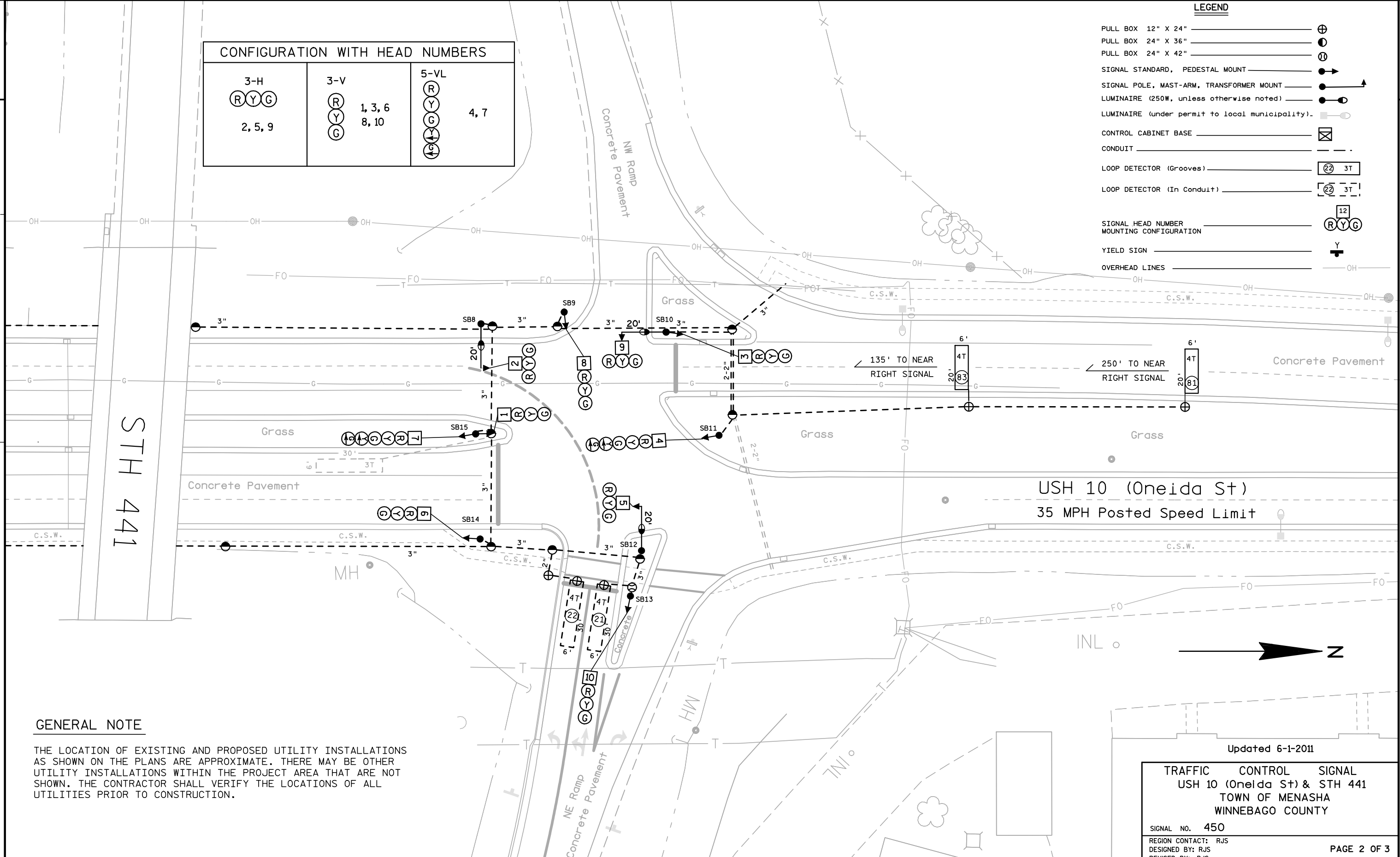
3-H	3-V	5-VL
12, 15, 19	11, 13, 16 18, 20	14, 17

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.



CONFIGURATION WITH HEAD NUMBERS		
3-H R Y G 2, 5, 9	3-V R Y G 1, 3, 6 8, 10	5-VL R Y G 4, 7

LEGEND	
PULL BOX 12" X 24"	⊕
PULL BOX 24" X 36"	⊙
PULL BOX 24" X 42"	⊖
SIGNAL STANDARD, PEDESTAL MOUNT	→
SIGNAL POLE, MAST-ARM, TRANSFORMER MOUNT	→
LUMINAIRE (250W, unless otherwise noted)	⬢
LUMINAIRE (under permit to local municipality)	⬢
CONTROL CABINET BASE	⊠
CONDUIT	—
LOOP DETECTOR (Grooves)	22 3T
LOOP DETECTOR (In Conduit)	22 3T
SIGNAL HEAD NUMBER MOUNTING CONFIGURATION	12 R Y G
YIELD SIGN	Y
OVERHEAD LINES	OH



GENERAL NOTE

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Updated 6-1-2011

TRAFFIC CONTROL SIGNAL
USH 10 (Oneida St) & STH 441
TOWN OF MENASHA
WINNEBAGO COUNTY

SIGNAL NO. 450

REGION CONTACT: RJS
DESIGNED BY: RJS
REVISED BY: RJS

PAGE 2 OF 3

SEQUENCE OF OPERATION

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

FLASH

CONTROLLER LOGIC

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

OVERLAPS

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

** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1 BELOW)

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
Ø1	NONE	2,3,4,5,6,8
Ø2	NONE	1,3,4,5,6,8,
Ø3	NONE	1,2,4,5,6,8
Ø4	NONE	1,2,3,5,6,8
Ø5	NONE	1,2,3,4,6,8
Ø6	NONE	1,2,3,4,5,8
Ø7		
Ø8	NONE	1,2,3,4,5,6

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL 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	1	X			2	2				6X30	4
22	2	X			2	2				6X30	4
51	3	X			5	5				6X30	2
52	4	X			5	5				6X30	2
81	5	X			8	8			X	6X20	4
82	6	X			8	8			X	6X18	4
83	7	X			8	8				6X20	4
84	8	X			8	8				6X18	4

TYPE OF INTERCONNECT COMMUNICATION	
NONE	
TBC	
CLOSED LOOP TWISTED PAIR*	
CLOSED LOOP FIBER OPTIC*	
RADIO	X
*LOCATION OF MASTER CONTROLLER NO:	S-0450
SIGNAL SYSTEM *:	SS-0152

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	

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.
2. PROVIDE FOR HAND CONTROL OPERATION.
3. DAY - OMIT Ø8
NIGHT- OMIT 01, 03, 04, 06

Updated 6-1-2011

USH 10 (Oneida St) & STH 441
TOWN OF MENASHA
WINNEBAGO COUNTY

SIGNAL NO. 450

CONTROLLER TYPE: EPAC

DATE: 5-9-2008

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