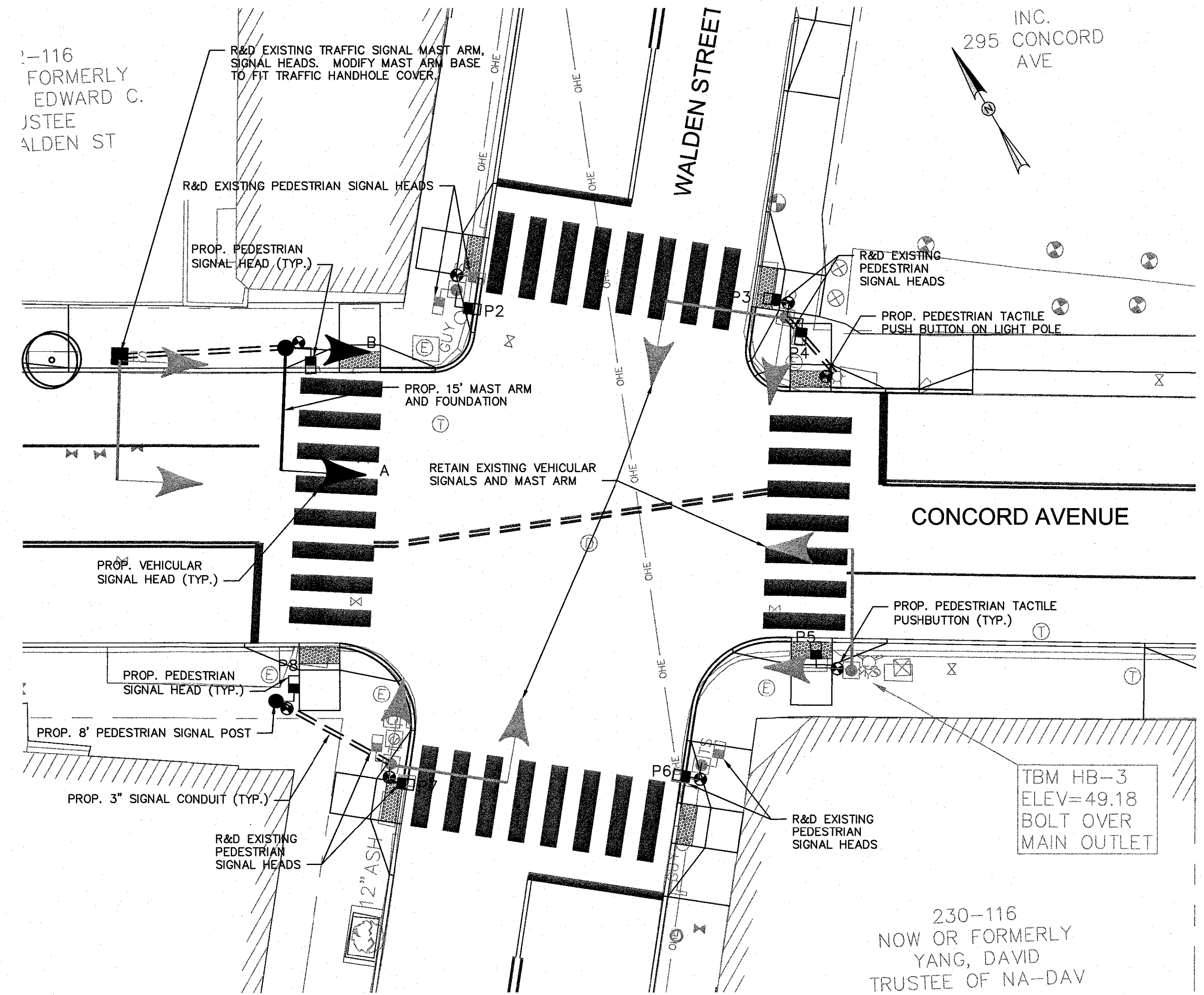


CONCORD & ALPINE TRAFFIC SIGNAL PLAN
SCALE: 1" = 10'



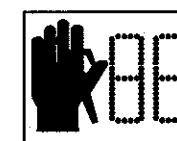
CONCORD & WALDEN TRAFFIC SIGNAL PLAN
SCALE: 1" = 10'

LIST OF MAJOR ITEMS REQUIRED - ALPINE STREET

PAY ITEM	QUANTITY	DESCRIPTION
2890.3	8	PEDESTRIAN LED SIGNAL HEAD WITH COUNTDOWN TIMER
	2	8' PEDESTRIAN SIGNAL POST & FOUNDATION
	8	PEDESTRIAN TACTILE PUSH BUTTON
	40'	3" TRAFFIC SIGNAL CONDUIT

PLUS NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL SIGNAL.

SIGNAL HEAD DATA



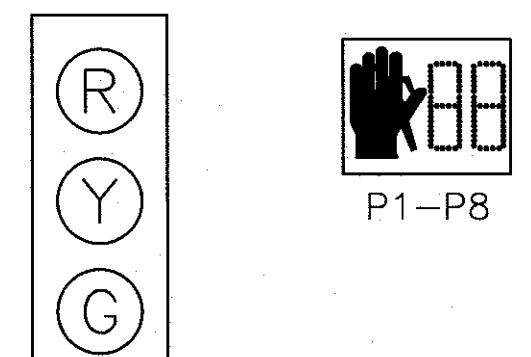
P1-P8

LIST OF MAJOR ITEMS REQUIRED - WALDEN STREET

PAY ITEM	QUANTITY	DESCRIPTION
2890.2	2	3 SECTION - 12" LED LENS TRAFFIC SIGNAL HEAD
	8	PEDESTRIAN LED SIGNAL HEAD WITH COUNTDOWN TIMER
	1	15' MAST ARM AND FOUNDATION
	1	8' PEDESTRIAN SIGNAL POST & FOUNDATION
	8	PEDESTRIAN TACTILE PUSH BUTTON
40'	3" TRAFFIC SIGNAL CONDUIT	

PLUS NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL SIGNAL.

SIGNAL HEAD DATA



A-B

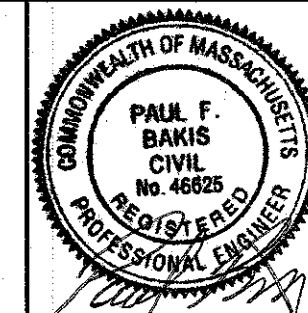


CONFORMED SET

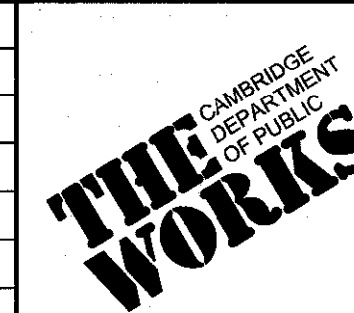
CAD FILE: C:\working\p10874041\TrafficSignal - Concord Alpine Concord Walden.dwg
 LAYOUT: TrafficSignal - Concord at Alpine Walden
 PLOTTED: 2/10/2014 10:50 AM BY: bakis, paul



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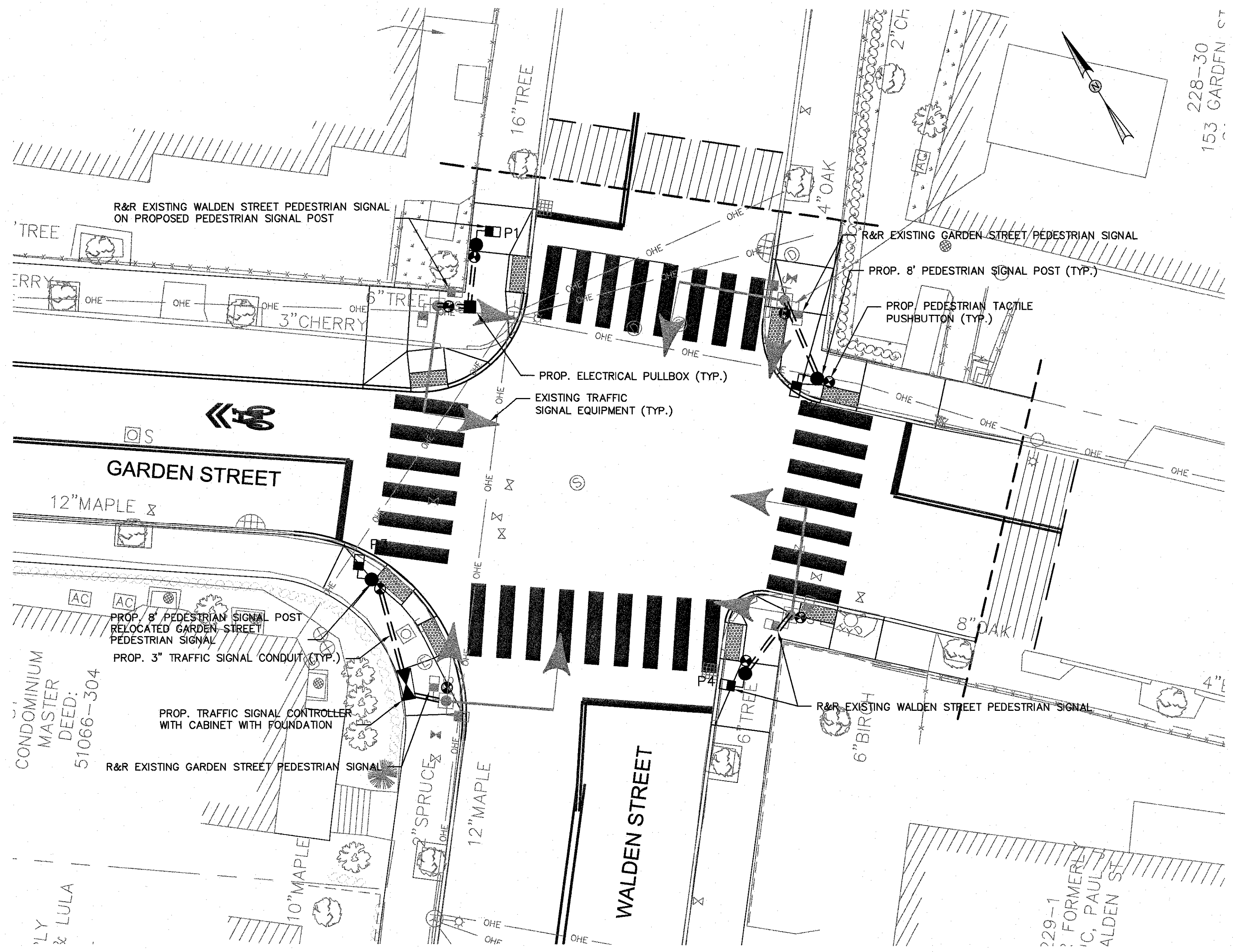


Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	PFB
Drawn by	PFB
Checked by	ABS
Approved by	GMF



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	TRAFFIC SIGNAL CONCORD/ALPINE & CONCORD/WALDEN

Sheet	TS-1
File No.	

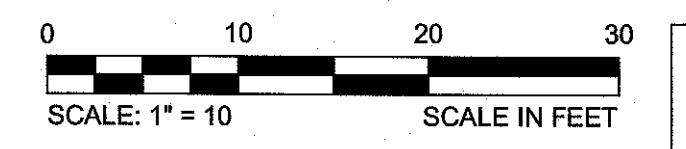


GARDEN & WALDEN TRAFFIC SIGNAL PLAN
SCALE: 1" = 10'

LIST OF MAJOR ITEMS REQUIRED - GARDEN STREET

PAY ITEM	QUANTITY	DESCRIPTION
2890.4	4	8' PEDESTRIAN SIGNAL POST & FOUNDATION
	8	PEDESTRIAN TACTILE PUSH BUTTON
	1	TRAFFIC CONTROLLER CABINET AND FOUNDATION
	1	TS2 TYPE 2 SIGNAL CONTROLLER "M" TYPE BOX
	40'	3" TRAFFIC SIGNAL CONDUIT

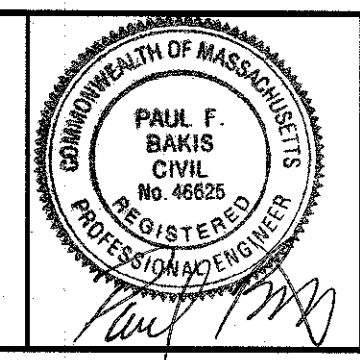
PLUS NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL SIGNAL.



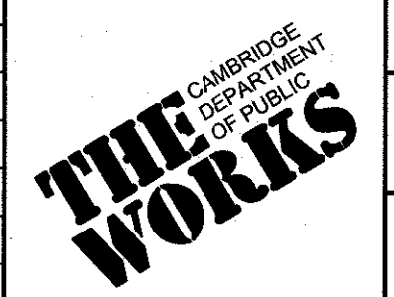
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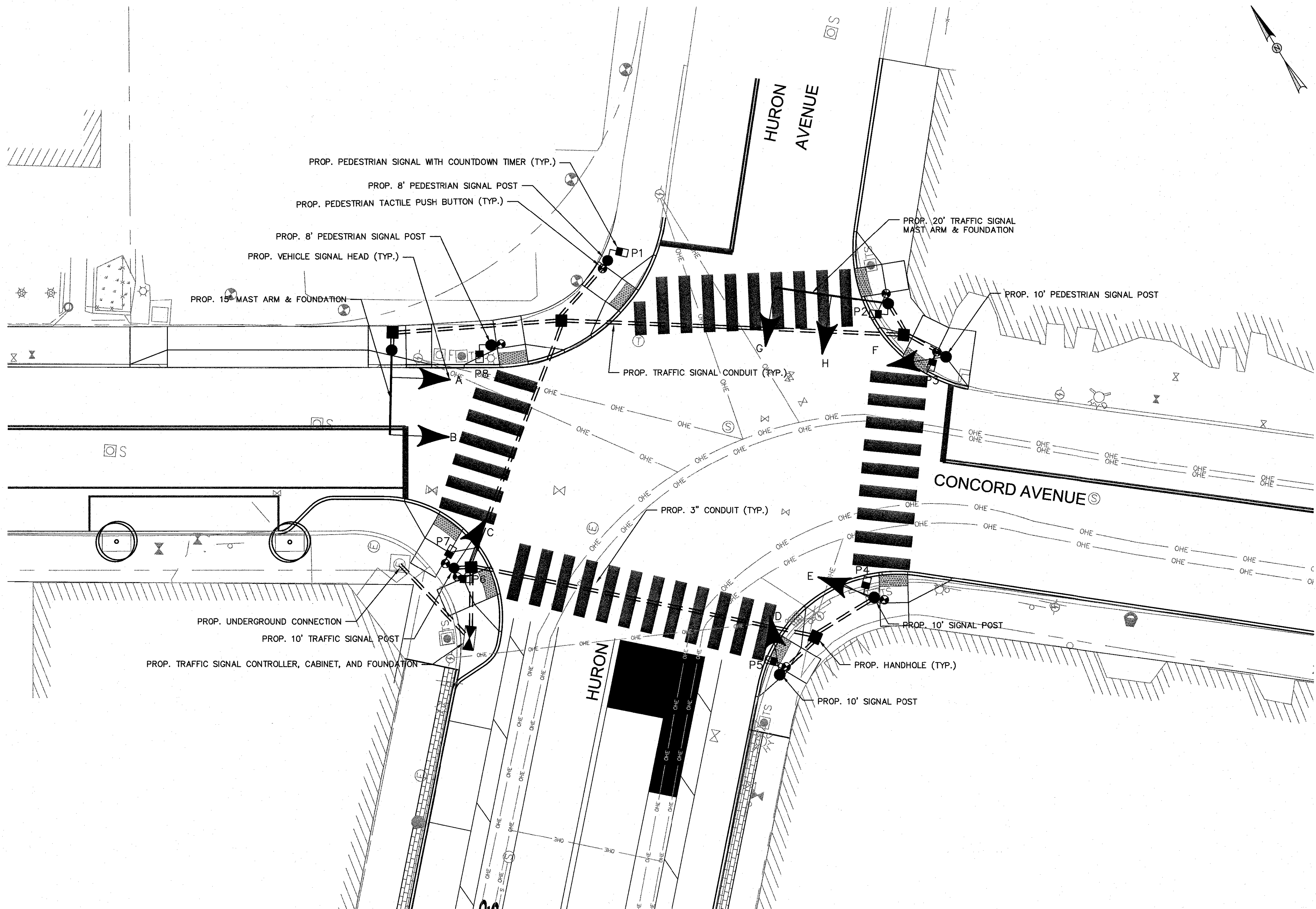
Scale	AS NOTED
Date	JANUARY 27, 2014
Job No.	20120256.001A
Designed by	PFB
Drawn by	PFB
Checked by	ABS
Approved by	GMF



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	TRAFFIC SIGNAL GARDEN STREET AT WALDEN STREET

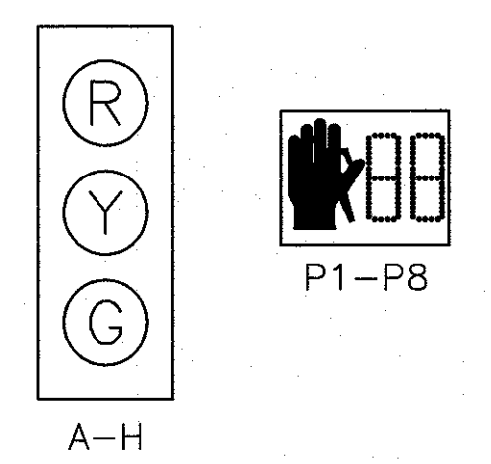
Sheet	TS-2
File No.	

PLOTTED: 2/10/2014 10:32 AM BY: bakis, paul
 LAYOUT: TrafficSignalPlan Garden at Walden
 CAD FILE: C:\pwworking\hdr\2014\20120256\TrafficSignal - Concord\Alpha Concord\Walden.dwg



- SIGNAL NOTES:**
1. PROPOSED SIGNAL SHALL MAINTAIN EXISTING TIMING AND PHASING.
 2. ALL MAST ARMS, SIGNAL POSTS, AND THE CONTROLLER CABINET SHALL BE PAINTED BLACK.
 3. MAST ARMS AND OVERHEAD SIGNALS INDICATIONS SHALL BE INSTALLED TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF 17 FEET FROM THE ROADWAY SURFACE TO THE BOTTOM OF THE SIGNAL HOUSING. ALL MAST ARMS AND OVERHEAD MOUNTED SIGNAL HEADS SHALL BE INSULATED FROM CATENARY WIRES ON HURON AVENUE.

SIGNAL HEAD DATA

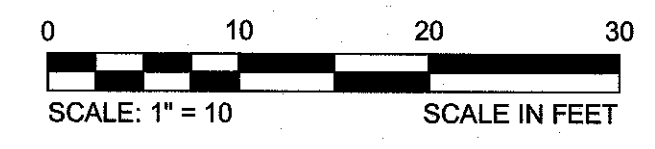


LIST OF MAJOR ITEMS REQUIRED - HURON AVENUE

PAY ITEM	QUANTITY	DESCRIPTION
2890.1	1	TRAFFIC CONTROLLER CABINET, & FOUNDATION
	1	TS 2 TYPE 2 TRAFFIC CONTROLLER "M" TYPE BOX
	8	3 SECTION - 12" LED LENS TRAFFIC SIGNAL HEAD
	8	PEDESTRIAN LED SIGNAL HEAD WITH COUNTDOWN TIMER
	1	15' MAST ARM AND FOUNDATION
	1	20' MAST ARM AND FOUNDATION
	4	10' TRAFFIC SIGNAL POST & FOUNDATION
	2	8' PEDESTRIAN SIGNAL POST & FOUNDATION
	8	PEDESTRIAN TACTILE PUSH BUTTON
	260'	3" TRAFFIC SIGNAL CONDUIT

PLUS NECESSARY DUCT, CABLE, LABOR, MISCELLANEOUS MATERIAL AND EQUIPMENT TO COMPLETE THE INSTALLATION AND PROVIDE AN OPERATING TRAFFIC CONTROL SIGNAL.

CONCORD & HURON TRAFFIC SIGNAL PLAN
SCALE: 1" = 10'

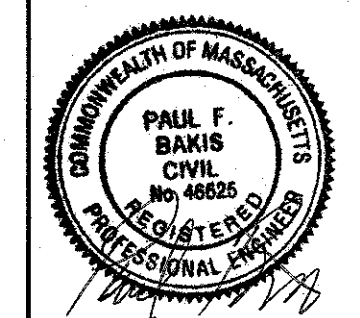


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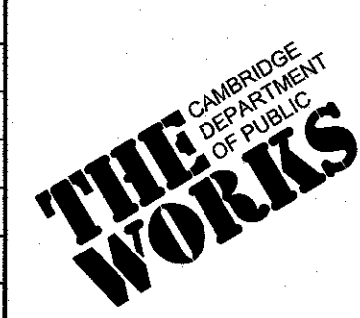
PLOTTED: 2/10/2014 10:31 AM BY: paul.klein
 LAYOUT: TrafficSignalPlan - Concord at Huron.dwg
 CAD FILE: C:\working\p102674\102674\TrafficSignal - Concord at Huron.dwg
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Scale	AS NOTED		
Date	JANUARY 27, 2014		
Job No.	20120256.001A		
Designed by	PFB		
Drawn by	PFB		
Checked by	ABS	No.	Description
Approved by	GMF		REVISIONS



Client	CITY OF CAMBRIDGE, MASSACHUSETTS
Project	CONCORD (CONTRACT 9) SEWER SEPARATION AND SURFACE IMPROVEMENTS PROJECT
Drawing	TRAFFIC SIGNAL CONCORD AVE AT HURON AVE

Sheet	TS-3
File No.	