COLOR SEQUENCE CHART

	Ø1, Ø5			Ø2, Ø6			Ø4,Ø7,Ø8			FLASH
	R/W	1	2	R/W	1	2	R/W	1	2	
1	G ←	A ←	G	G	A	R				R
2	R			G	A	R				A
4							G	A	R	R
5	G ←	A ←	G	G	A	R	G	A	R	R
6				G	A	R				A
6A				G →	A →	R				A
7							G ←	A ←	R	R
8							G	A	R	R
P2				W	FDW	FDW				BLANK
P4							W	FDW	FDW	BLANK
P6				W	FDW	FDW				BLANK
P8							W	FDW	FDW	BLANK

LEGEND

- PROPOSED SIGNAL MAST ARM IDENTIFIER
- PROPOSED JUNCTION BOX
- PROPOSED CONTROLLER CABINET
- PROPOSED UNDERGROUND CONDUIT
- PROPOSED EMERGENCY VEHICLE PREEMPTION DETECTOR
- PROPOSED SIGNAL POLE / MAST ARM
- PROPOSED SIGNAL HEAD
- PROPOSED BORED CONDUIT
- PROPOSED VIDEO IMAGE DETECTION SYSTEM CAMERA
- PROPOSED MAST ARM MOUNTED SIGN
- PROPOSED PEDESTRIAN PUSH BUTTON
- PROPOSED PEDESTRIAN SIGNAL HEAD

SIGNS

LEFT TURN YIELD ON GREEN
R10-12
24"x30"
S1

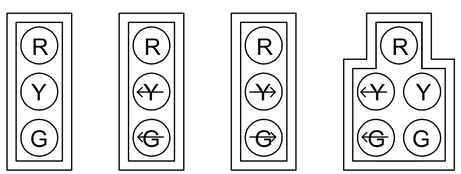
S. MAIN ST
D-1
8"xVARIABLE"
S3

START CROSSING Watch For Vehicles
DON'T START Finish Crossing If Started
TIME REMAINING To Finish Crossing
DON'T CROSS
TO CROSS PUSH BUTTON
R10-3e
9"x15"
S5

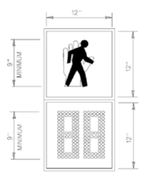
RIGHT LANE MUST TURN RIGHT
R3-7R
30"x30"
S2

ARDMORE ST
D-1
8"xVARIABLE"
S4

SIGNAL HEAD CONFIGURATION

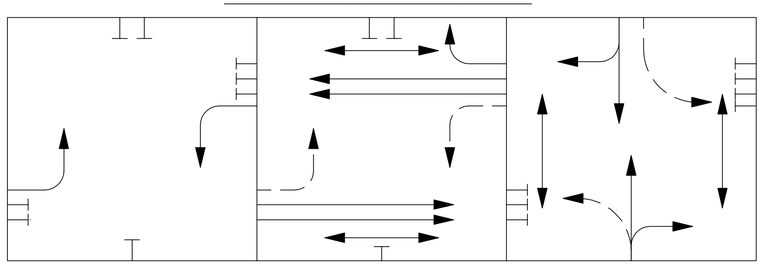


2,4, 6,&8 | 7 | 6A | 1&5



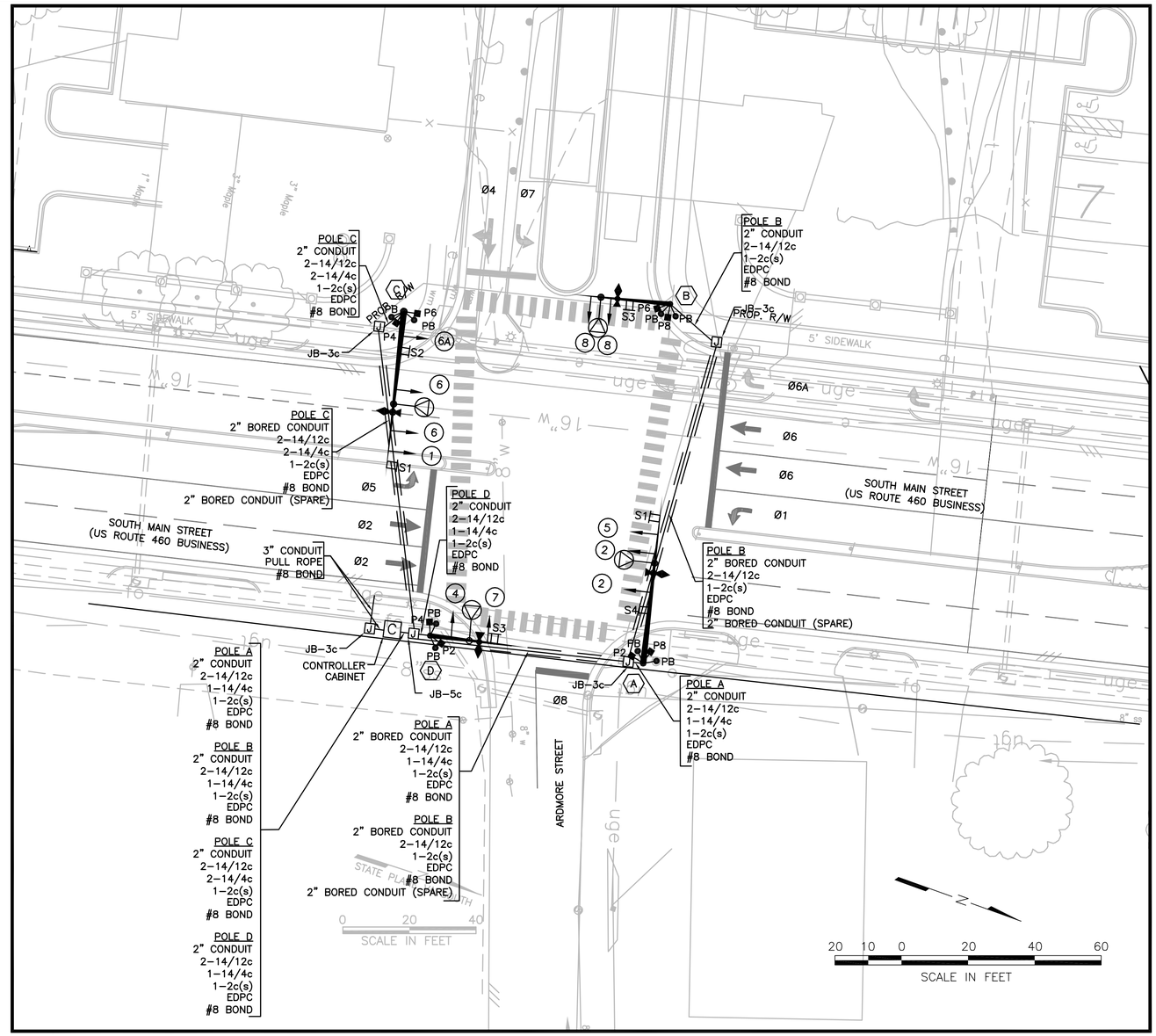
ALL 12" STANDARD SIGNAL HEADS SHALL HAVE LED LAMPS. BACKPLATES AND TUNNEL VISORS ARE REQUIRED ON ALL SIGNAL HEADS. SIGNAL HEADS SHALL BE LOCATED IN THE FIELD IN COORDINATION WITH THE TOWN.

PHASING DIAGRAM



Φ5 & Φ1 | Φ2,Φ6 | Φ4,Φ7,&Φ8

BROKEN LINES DENOTE VEHICLE MUST YIELD



MAST ARM SCHEDULE

POST	MAST ARM LENGTH	SIGNAL HEAD MOUNTING* 1	2	4	5	6	6A	7	8	VIDEO DETECTION*	PREEMPTION DETECTOR*
A	50'		33',21'		39'					30'	27'
B	30'								23',18'	20'	16'
C	50'	42'				36',23'	7'			28'	30'
D	30'			6'				17'		12'	15'

* DISTANCES ARE MEASURED FROM CENTER OF SIGNAL POLE TO CENTER OF OBJECT.

COMMONWEALTH OF VIRGINIA
4/27/07
TREVOR M. KIMZEY
No. 036354
PROFESSIONAL ENGINEER

TOWN ENGINEER	DATE
TOWN PLANNER	DATE

ANDERSON & ASSOCIATES, INC.
Professional Design Services
www.andassoc.com
Virginia - North Carolina - Tennessee
100 Ardmore St.
Blacksburg, Va. 24060
540-552-5592

DATE	: 27 APR 07
DESIGNED	: DRB/CMW
DRAWN	: DRB/CMW
CHECKED	: TMK
QA / QC	: ---

REV. #	COMMENTS	DATE
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FIRST & MAIN
SOUTH MAIN STREET IMPROVEMENTS
BLACKSBURG, VIRGINIA

ARDMORE SIGNAL PLAN

DOCUMENT NO. **22559 – 100**
SHEET **C3.02**

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