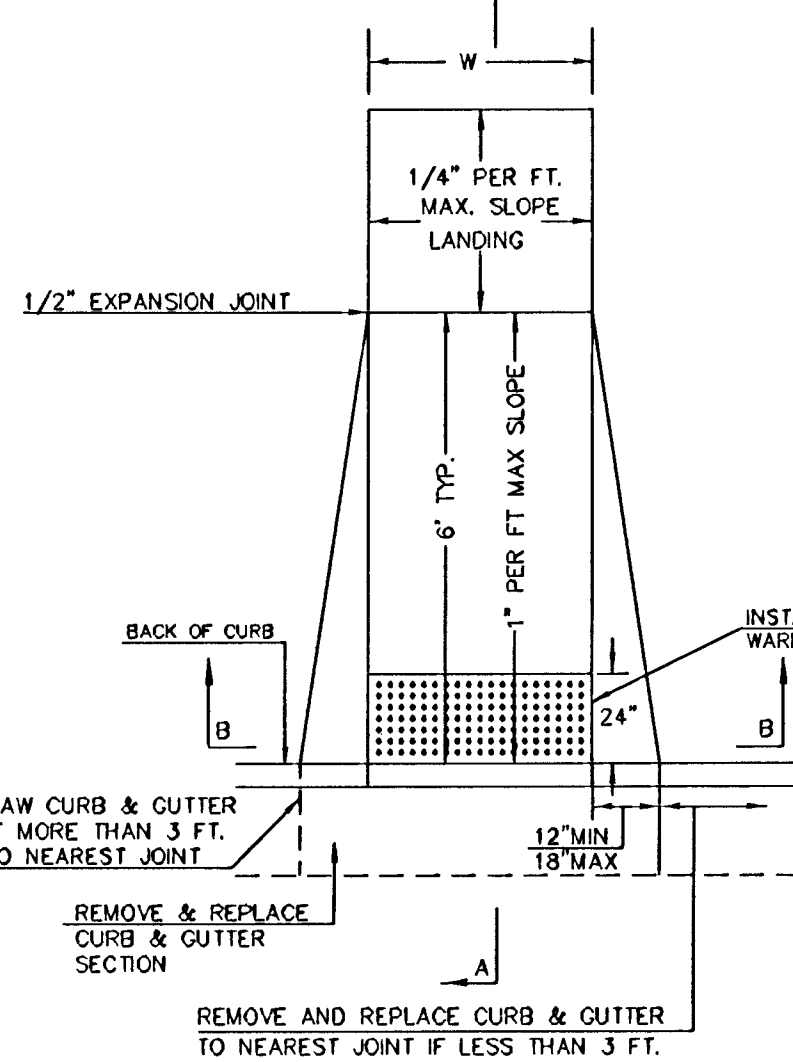
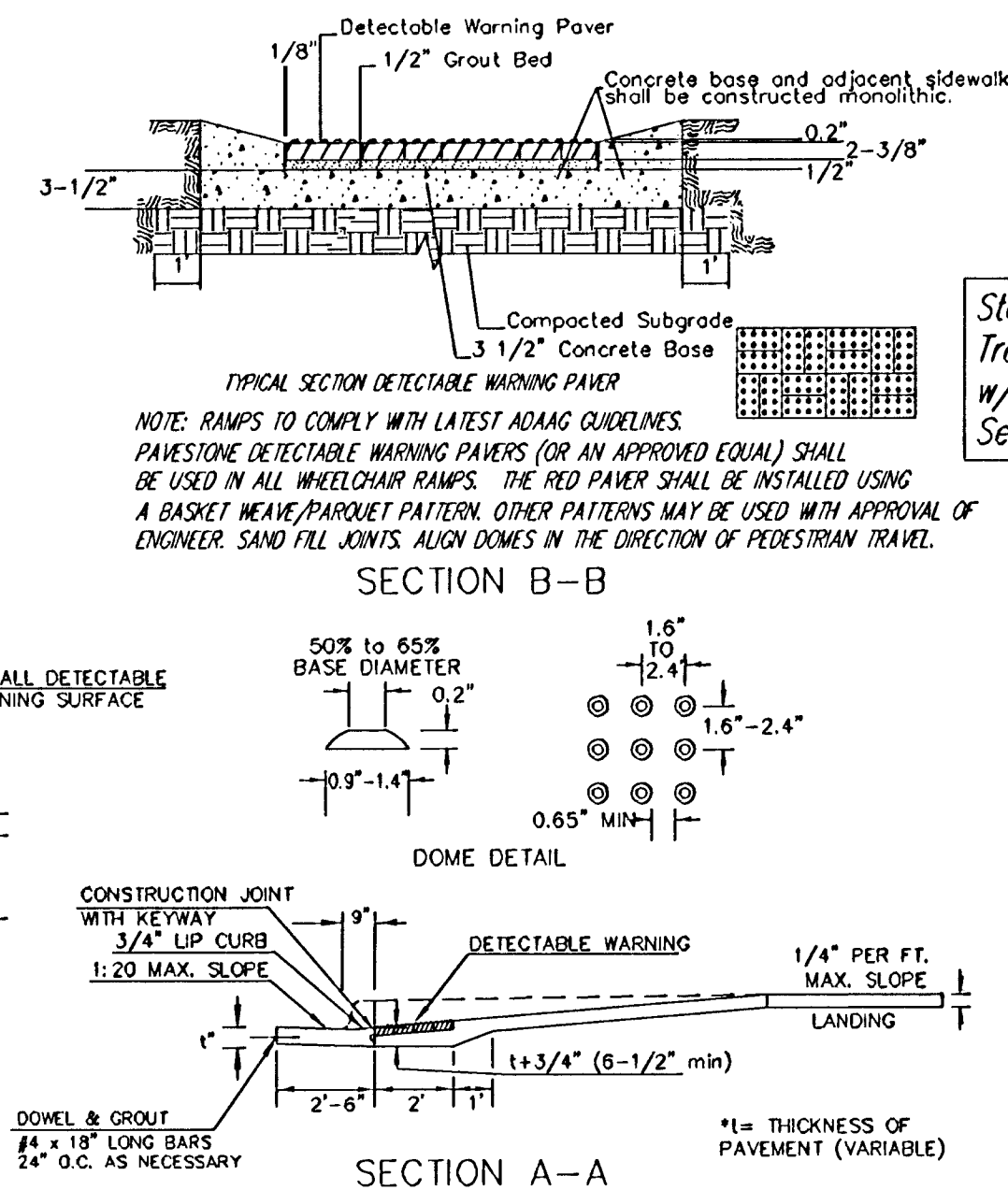


W = 4'0" FOR STANDARD RAMP
W = 5'0" FOR RAMP AT SCHOOL CROSSWALKS
(OR TO MATCH EXISTING)

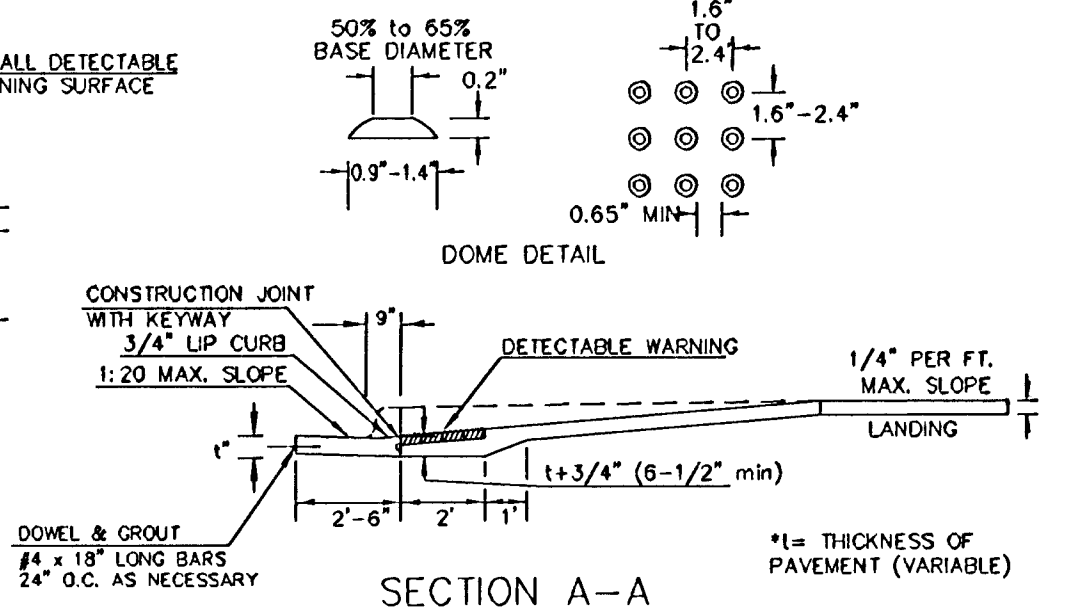
W = 6'0"



(TYPE A) STANDARD WHEELCHAIR RAMP
WITH DETECTABLE WARNING
CONSTRUCTION DETAIL FOR STREETS
WITH COMBINED CURB & GUTTER



SECTION B-B

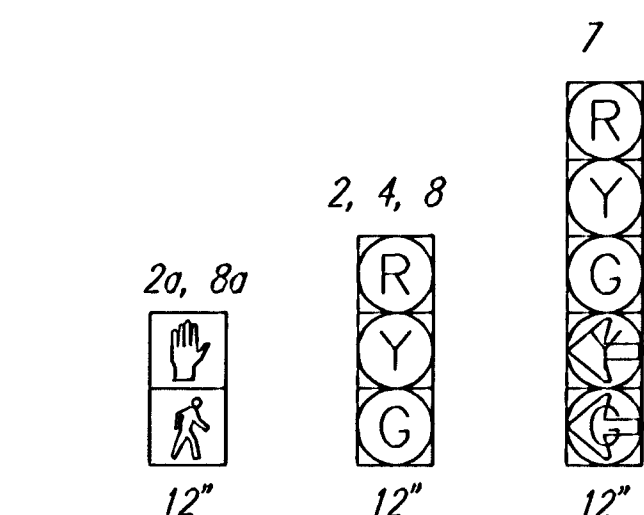


SECTION A-A

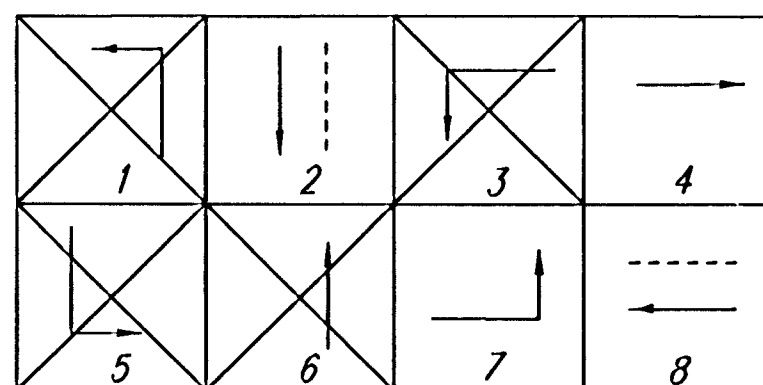
D4-1
D4-2

D4-3
D4-4

D7-1
D4-5
D4-6
D2-7



SIGNAL HEAD ARRANGEMENT



PHASE DIAGRAM

MAIZE ROAD AND NEWMARKET SQUARE ENTRANCE								
	PHASE							
	1	2	3	4	5	6	7	8
MAX. I	-	30	-	80	-	-	30	80
MAX. II/HFDW	-	30	-	80	-	-	30	80
WALK	-	8	-	-	-	-	8	-
FLASH DW	-	25	-	-	-	-	20	-
MAX. INITIAL	-	8.0	-	8.0	-	-	6.0	8.0
MIN. GREEN	-	10.0	-	10.0	-	-	5.0	10.0
T B R	-	-	-	25	-	-	1.0	-
T T R	-	-	-	15	-	-	1.0	-
OBSERVE GAP	-	-	-	-	-	-	-	-
PASSAGE	-	1.0	-	2.0	-	-	1.0	2.0
MIN. GAP	-	1.0	-	1.0	-	-	1.0	1.0
ADDED ACTUATION	-	2.0	-	2.0	-	-	1.0	2.0
YELLOW	-	3.5	-	4.0	-	-	3.0	4.0
RED CLEAR	-	2.0	-	2.0	-	-	1.0	2.0
RED REVERT	-	-	-	-	-	-	-	-
WALK II	-	-	-	-	-	-	-	-

The signal shall dwell green in #4 & #8.

FUNCTION TABLE								
FUNCTION	PHASE							
	1	2	3	4	5	6	7	8
VEHICLE RECALL	-	-	-	X	-	-	-	X
PED RECALL	-	-	-	-	-	-	-	-
RED LOCK	-	-	-	-	-	-	-	-
YELLOW LOCK	-	X	-	-	-	-	X	-
PERMIT	-	X	-	X	-	-	X	X
PED PHASES	-	X	-	-	-	-	-	X
LEAD PHASES	X	-	X	-	X	-	X	-
DOUBLE ENTRY	-	-	-	X	-	-	-	X
SEQUENTIAL TIMING	-	-	-	-	-	-	-	-
START-UP YELLOW	-	X	-	-	-	-	-	-
OVERLAP A	-	-	-	-	-	-	-	-
OVERLAP B	-	-	-	-	-	-	-	-
OVERLAP C	-	-	-	-	-	-	-	-
OVERLAP D	-	-	-	-	-	-	-	-
EXCLUSIVE	-	-	-	-	-	-	-	-
SIMULTANEOUS GAP	-	-	-	-	-	-	-	-

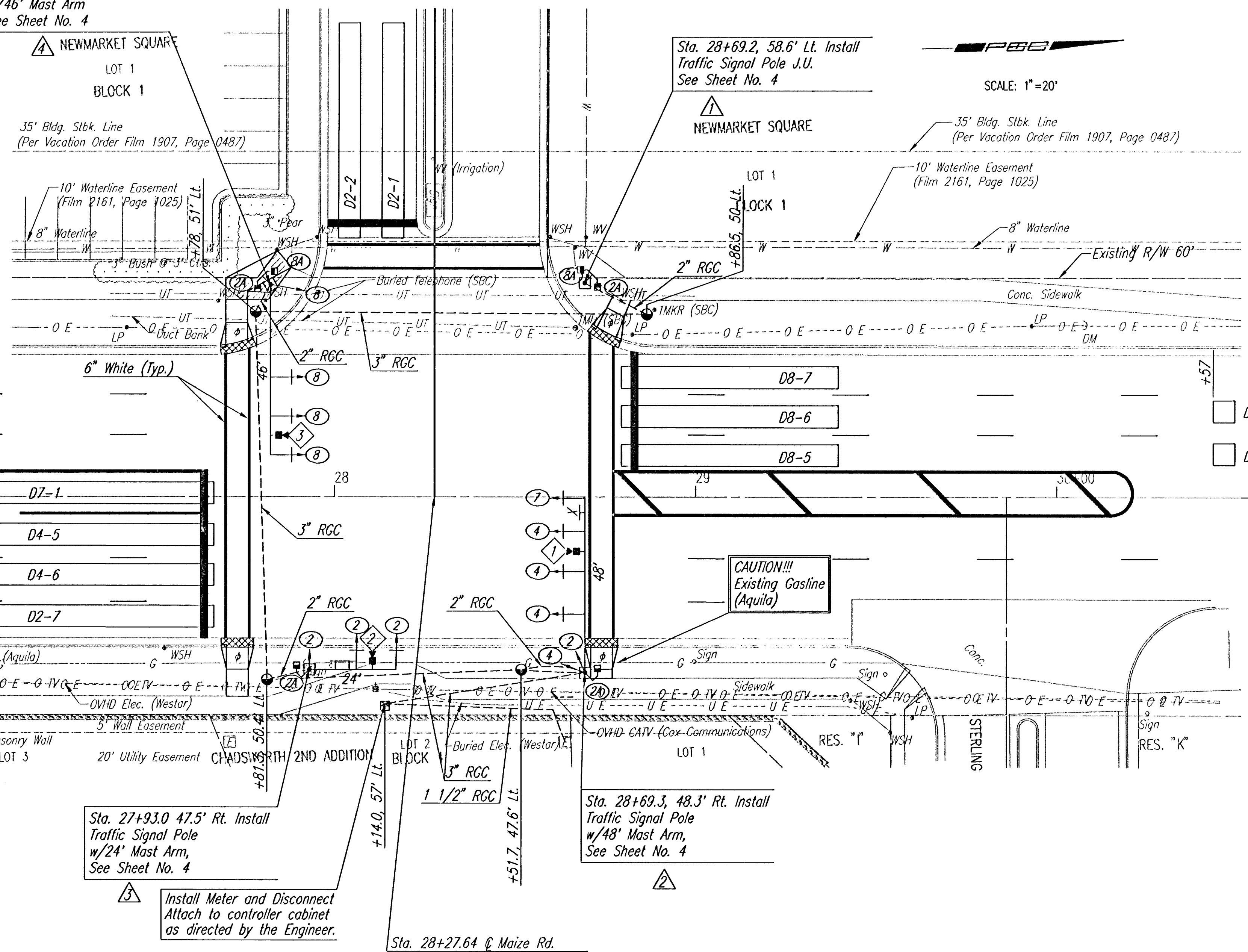
DETECTOR SUMMARY							
CAMERA NO.	DETECTION ZONE	MODE	SIZE (LxW)	PHASE CALLED	PHASE EXTENDED	DELAY/STRETCH TIMER	INITIAL SETTING (SEC.)
1	D7-1	PRESENCE	60x6	7	7	-	-
1	D4-1to4	PULSE	6x6	4	4	S	1.0
1	D4-5&6	PRESENCE	60x6	4	4	-	-
2	D2-1	PRESENCE	60x6	2	2	-	-
2	D2-2	PRESENCE	60x6	2	2	D	3.0
3	D8-1to4	PULSE	6x6	8	8	S	1.0
3	D8-5&6	PRESENCE	60x6	8	8	-	-
3	D8-7	PRESENCE	60x6	8	8	D	3.0

SEE SHEET NO. 4 FOR WIRING DIAGRAM

CONTROLLER DESCRIPTION

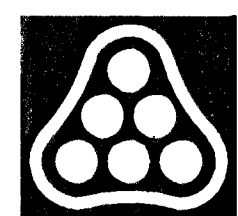
The Traffic Signal Controller shall comply with the requirements defined in the Specifications for a Type 170E Controller with 412b2 prom module and a 400 modem. It shall be furnished and installed with a Model 332 cabinet, 3-type 242 isolator units, 1 video detection unit, 10 switch packs, 2-type 204 flashers, 4 flash transfer relay, and a Model 210P conflict monitor MS or or ECL. The Controller shall also be furnished with WAKS Version 58 or latest version of software developed by WAPITI MICRO SYSTEMS.

SCALE: 1"=20'



LEGEND

- Traffic Signal Pole with Mast Arm
- Traffic Signal Pedestal
- Traffic Signal Camera
- Traffic Signal Camera
- Luminaire with Arm
- Traffic Signal Head
- Traffic Signal Head with Backplate
- Pedestrian Signal Head
- Controller with pad
- Service Box (Pre-Fab)
- D(PHASE)- Detector Zone
- Detector Zone
- R10-12 Sign
- Conduit
- Signal Phase
- Signal Pole Reference Number
- Street Name Sign
- Construct Std. Wheelchair Ramp
- Curb and Cutter Removal
- Sidewalk Removal



No.	Revision	By	Date
CITY OF WICHITA, KANSAS JAMES L. ARMOUR, P.E. - CITY ENGINEER NEWMARKET SQUARE ENTRANCE AND MAIZE ROAD			
TRAFFIC SIGNAL PLAN			
CITY OF WICHITA PROJECT NO. 412-84276			
Professional Engineering Consultants, P.A.			
303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	BER	Job No.	05354
Drawn by	SAW	Date	AUGUST 2005
		SH.	3 of 8