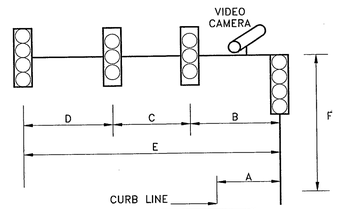
NO.	DATE	REVISION	APPROV.
1			
2			
3			

SIGNAL HEAD AND POLE PLACEMENT



SIGNAL HEAD AND POLE PLACEMENT (FEET)							
POLE NO.	A	B	C	D	E	F	FND
T-1	5	25	12	11	48	19	36-A
T-2	5	24	12		36	19	36-A

SIGNAL POLE CONDUCTORS					
POLE NUMBER	OPTICOM	5-CNDR	7-CNDR	COAX	3-CNDR
T-1	75	210	75	35	35
T-2	40	140	65	35	35
T-3		45	10	35	35
T-4				35	35
TOTAL (LF)	115	395	160	140	140

CABLE TERMINATION CHART

CABLE CONDUCTOR	T-1 (20 CNDR)	T-2 (16 CNDR)	T-3 (7 CNDR)
	S.H. NO.	S.H. NO.	S.H. NO.
BLACK	SPARE	SPARE	7 ~~Y~~
WHITE	COMMON	COMMON	COMMON
RED	1-4 R	8-10 R	7 R
GREEN	1-4 G	8-10 G	7 G
ORANGE	1-4 Y	8-10 Y	7 Y
BLUE	PB 5 ø6	PB 12 ø8	7 ~~G~~
WHT/BLK	PB COMMON	PB COMMON	SPARE
RED/BLK	5 DW	12 DW	
GRN/BLK	5 W	12 W	
ORN/BLK	1 → ~~Y~~	8 → ~~Y~~	
BLUE/BLK	1 → ~~G~~	8 → ~~G~~	
BLK/WHT	PB 6 ø4	PB 11 ø6	
RED/WHT	6 DW	11 DW	
GRN/WHT	6 W	11 W	
BLUE/WHT	PB COMMON	PB COMMON	
BLK/RED	SPARE	SPARE	
WHT/RED	4 ~~G~~		
ORN/RED	4 ~~Y~~		
BLUE/RED	SPARE		
RED/GRN	SPARE		

SIGNAL HEADS*

NO.	TYPE	PHASE	BACKPLATE 3 SEC.	BACKPLATE 4 SEC.	SIGNAL HEAD 3 SEC.	SIGNAL HEAD 4 SEC.	PED. SIG. SEC.
1	V4 LT *	4+7		1		1	
2-3	V3	4	2		2		
4	V4RT	4		1		1	
5	PED	6					1
6	PED	4					1
7	V4RT	2		1		1	
8	V3	1+6	1		1		
9	V3	1+6	1		1		
10	V3	1+6	1		1		
11	PED	6					1
12	PED	8					1
TOTALS			5	3	5	3	4

* ALL SIGNAL HEADS TO BE LED
* ALL PEDESTRIAN SIGNAL HEADS TO BE "COUNTDOWN" TYPE.

CONDUIT RUNS

RUN NO.	QUANTITY	SIZE	TYPE	METHOD	#4 XHHW	#12 XHHW	#6 BARE	COAX CABLE	4 CNDR OPTICOM	3 CNDR (VIDEO)	7 CNDR	9 CNDR	16 CNDR	CONDUIT LENGTH	CABLE LENGTH	RUN NO.
A	EXISTING									4	1	1			15'	A
B	1	4"	PVC	BORE			1	1	1	2		1	1	100'	105'	B
C	1	4"	PVC	TRENCH			1	1	1	2		1	1	45'	50'	C
D	1	3"	PVC	TRENCH			1	1	1	1			1	20'	25'	D
E	1	4"	PVC	BORE			1	1	1	1			1	110'	115'	E
F	1	3"	PVC	TRENCH			1	1	1	1			1	5'	10'	F
G	EXISTING							1		1	1				35'	G
H	EXISTING							1		1	1				55'	H
J	EXISTING							1		1	1				20'	J
K	EXISTING							1		1					20'	K
TOTAL(LF)							305	435	305	650	125	170	305			

CONDUIT SUMMARY

SIZE	TYPE	LENGTH(LF)
3"	TRENCH	25'
4"	BORE	210'
4"	TRENCH	45'

GROUND BOX SUMMARY

TYPE	EA.
A	3

GENERAL TRAFFIC NOTE:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH TOWN OF ADDISON AND TXDOT STANDARDS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT, TOWN OF ADDISON STANDARDS SHALL GOVERN.
2. ALL TRAFFIC SIGNAL WORK SHALL BE BID UNDER THE LUMP SUM BID ITEMS.

BUILT AS PER SPECIFICATIONS AND PLANS BY DURABLE SPECIALTIES INC.
PROJECT COORDINATOR _____

STATE OF TEXAS
WILLIAM J. HATCHELL
26755
REGISTERED PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY:
WILLIAM J. HATCHELL
ON 2/8/02

ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

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DATE: DECEMBER, 2001	SCALE: NOT TO SCALE	JOB NO.: 00-249
DRAWN: GBW DESIGN: WJH	REVIEWED:	DWG: SIG-LAY2.DWG

ARAPAHO ROAD PHASE II

ARAPAHO ROAD AT MARSH LANE
SIGNAL LAYOUT TABLE

TOWN OF ADDISON

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SHT. TS-2 OF TS-21