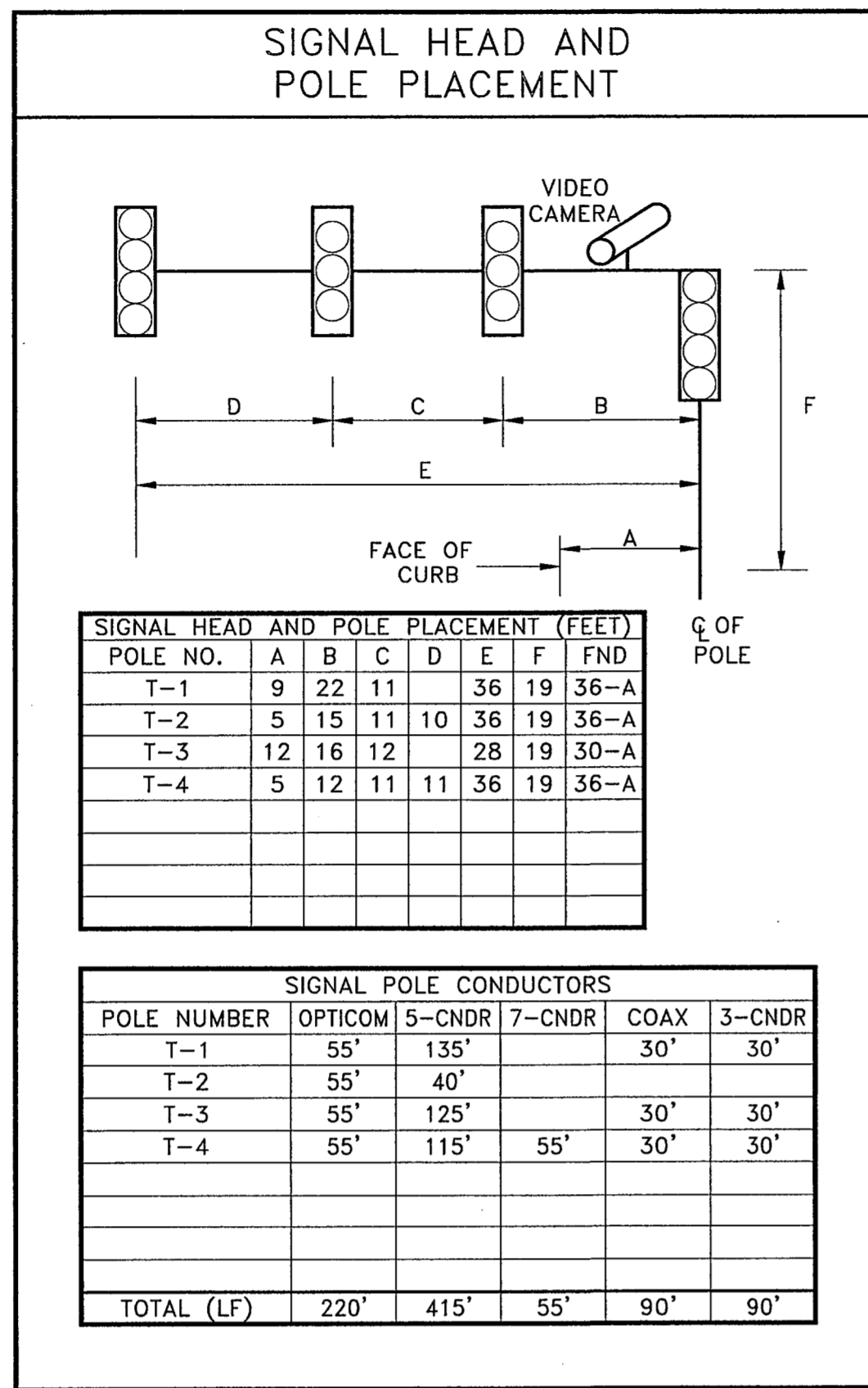


NO.	DATE	REVISION	APPROV.
1			
2			
3			



SIZE	TYPE	LENGTH(LF)
3"	TRENCH	28'
4"	TRENCH	214'
4"	BORE	180'
2"	TRENCH	295'

TYPE	EA.
A	6

CABLE TERMINATION CHART

CABLE CONDUCTOR	T-1 (16 CNDR)		T-2 (16 CNDR)		T-3 (16 CNDR)		T-4 (16 CNDR)	
	S.H. NO.	INDICATION	S.H. NO.	INDICATION	S.H. NO.	INDICATION	S.H. NO.	INDICATION
BLACK	5	Y	6	→Y			15	→Y
WHITE		COMMON		COMMON		COMMON		COMMON
RED	1-2	R	6-8	R	11-12	R	15-17	R
GREEN	1-2	G	6-8	G	11-12	G	15-17	G
ORANGE	1-2	Y	6-8	Y	11-12	Y	15-17	Y
BLUE	4	W	6	→G			15	→G
WHT/BLK		PB COMMON		PB COMMON		PB COMMON		PB COMMON
RED/BLK	3	DW	9	DW	13	DW	18	DW
GRN/BLK	3	W	9	W	13	W	18	W
ORN/BLK		SPARE		SPARE		SPARE		SPARE
BLUE/BLK		SPARE		SPARE		SPARE		SPARE
BLK/WHT	PB 4		PB 10		PB 14		PB 19	
RED/WHT	5	R	10	DW	14	DW	19	DW
GRN/BLK	5	G	10	W	14	W	19	W
BLU/WHT	PB 3		PB 9		PB 13		PB 18	
BLK/RED	4	DW		SPARE		SPARE		SPARE

SIGNAL HEADS*

NO.	TYPE	PHASE	BACKPLATE		SIGNAL HEAD		PED. SIG. SEC.
			3 SEC.	4 SEC.	3 SEC.	4 SEC.	
1-2	V3	#8	2		2		
3		#2					1
4		#8					1
5	V3	#6	1		1		
6	V4LT	#5		1		1	
7-8	V3	#2	2		2		
9		#4					1
10		#2					1
11-12	V3	#4	2		2		
13		#6					1
14		#4					1
15	V4LT	#1		1		1	
16-17	V3	#6	2		2		
18		#8					1
19		#6					1
TOTALS							

* ALL SIGNAL HEADS SHALL BE LED.
 * ALL PEDESTRIAN SIGNAL SHALL 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)	6 CNDR	9 CNDR	16 CNDR	CONDUIT LENGTH	CABLE LENGTH	RUN NO.	
A	2	4"	PVC	TRENCH	2			1	4	4	4	1	1	4	4'	10'	A
B	1	3"	PVC	TRENCH				1	1	1	1			1	5'	10'	B
C	1	4"	PVC	TRENCH				1	1	1	1			1	105'	115'	C
D	1	3"	PVC	TRENCH				1	1	1	1			1	5'	10'	D
E	1	4"	PVC	BORE				1	2	2	2			2	90'	100'	E
F	1	3"	PVC	TRENCH				1	1	1	1			1	10'	15'	F
G	1	4"	PVC	TRENCH				1	1	1	1			1	105'	115'	G
H	1	3"	PVC	TRENCH				1	1	1	1			1	8'	12'	H
I	1	4"	PVC	BORE				1				1		1	90'	100'	I
J	1	2"	PVC	TRENCH	2							1		1	10'	15'	J
K	1	2"	PVC	TRENCH								1		1	20'	25'	K
L	1	2"	PVC	TRENCH								1		1	135'	140'	L
M	1	2"	PVC	TRENCH								1		1	130'	135'	M
TOTAL(LF)					50'			482'	517'	517'	517'	310'	225'	517'			

- #### RAILROAD PRE-EMPTION SEQUENCE
- NOTES:
- UPON TRACK CLOSURE, THE CONTROLLER WILL IMMEDIATELY TIME THE APPROPRIATE YELLOW INTERVAL AND TRANSFER TO THE PRE-EMPTION SEQUENCE.
 - THE PRE-EMPTION SEQUENCE WILL DISPLAY THE FOLLOWING SIGNAL HEAD COLORS.
 - SIGNAL HEADS 11, 12, 15, 16, AND 17 RED
 - SIGNAL HEADS 1 & 2 GREEN
 - WHEN THE TRACK CIRCUIT RELEASES, THE CONTROLLER WILL PLACE A CALL ON ALL PHASES, TIME THE AMBER FOR # 8, RETURN TO # 1+6 AND RESUME NORMAL OPERATION.

BUILT AS PER SPECIFICATIONS AND PLANS BY DURABLE SPECIALTIES INC. PROJECT COORDINATOR *Jack Owen*



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY: WILLIAM J. HATCHELL ON 2/15/01 ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

DATE: DECEMBER, 2001	SCALE: NOT TO SCALE	JOB NO.: 00-249
DRAWN: GBW	DESIGN: WJH	REVIEWED: DWG: SIG-LAY1.DWG
ARAPAHO ROAD PHASE II		
ARAPAHO ROAD AT SURVEYOR BOULEVARD		
SIGNAL LAYOUT TABLE		
TOWN OF ADDISON		
Grantham, Burge & Waldbauer Engineers, Inc.		SHT. TS-4 OF TS-21
1919 S. SHILOH ROAD, SUITE 530, L.B. 27 GARLAND, TEXAS 75042		(972) 840-1916 (TEL) (972) 840-2156 (FAX)