

PHASE I
 STREET IMPROVEMENTS FOR
FIFTH ADDITION TO CHERRY CREEK HILLS

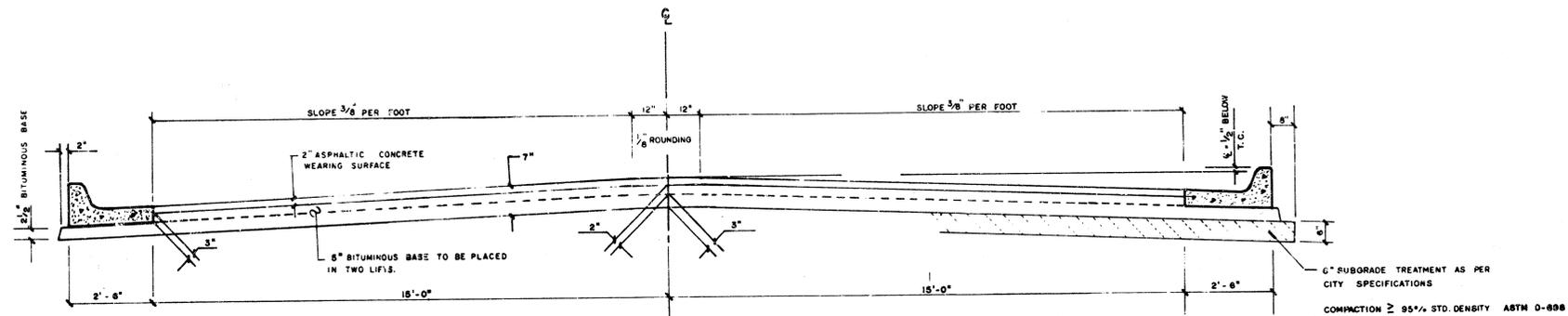
PROJECT NO.
472-76-245-81128-000-000-001

*DALTON - FROM THE N.W. LINE PARKMONT DR. TO N.L. LOT 1, BLK 6,
 5TH ADDITION TO CHERRY CREEK HILLS.*
HILDRETH LANE - FROM THE E.L. ROSALIE LANE TO W.L. DALTON.
*WHITE CLIFF LANE - FROM THE WESTERLY LINE LOT 6, BLK 3, &
 LOT 11, BLK 4, 5TH ADDITION TO CHERRY
 CREEK HILLS TO W.L. DALTON.*



CITY OF WICHITA, KS
 R. W. BRUGGEMAN ————— DIRECTOR OF ENGINEERING





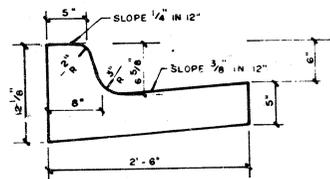
TYPICAL SECTION

35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

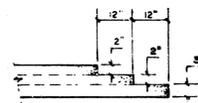
A TACK COAT OF EMULSIFIED ASPH (SS-1H or CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT. BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND PLACED SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE IN THE TOP LIFT.

THE A.C. PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQ YDS 7" A.C. PAVEMENT (5" BITUMINOUS BASE).
THE BITUMINOUS BASE UNDER THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQ YDS 2 1/2" BITUMINOUS BASE.

COMBINED CURB & GUTTER



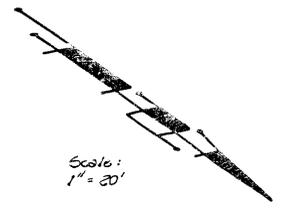
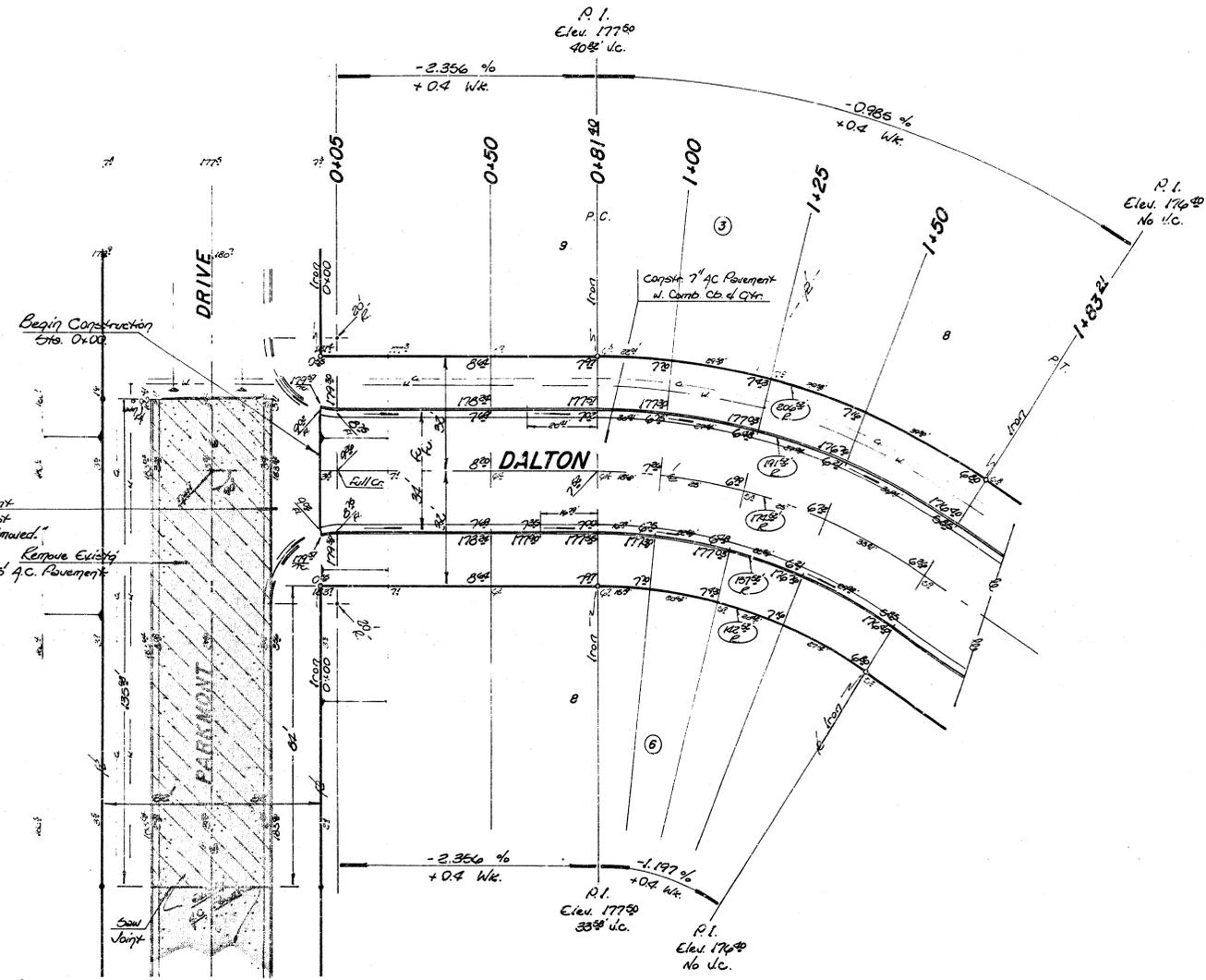
DETAIL OF TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF A.C. PAVEMENT.

CITY OF WICHITA, KANSAS

B.M. 1922 City Std. Disc. 48' S. of 2' E. 1/4 cor. 1/2 mile East Rock Rd. of Rownee
 B.M. 1784 Top of curb Rossie & Cherry Creek Dr. 53' South of S. Line
 Cherry Creek Dr.



Note - Excavate of Grade Parkmoit to prevent any drainage into Dalton at this time. Cost of this to be incidental to SY. Pavement Removed.

$\Delta = 33^{\circ}25'30''$ $R = 176.5'$ $T = 52^{\circ}$ $C = 100'$ $CC = 101.8'$
 Curve Data Based on Δ , Radius. $\Delta = 16^{\circ}42'45''$

Sta.	Arc.	Chord	Length	Defl.	Total Defl.
		B of Chord	B of Eq. Ch.		
0+81.42	—	—	—	0'00.00'	0'00.00'
1+00	18.40'	21.8'	15.3'	3'05.12'	3'05.12'
1+25	25'	28.5'	21.4'	4'06.13'	7'09.25'
1+50	25'	28.5'	21.4'	4'06.12'	11'15.37'
1+83.2	33.2'	37.4'	28.1'	5'27.06'	16'42.43'

Defl. / Ft. = 9.889148 m/m

General Notes -
 The Contractor shall be responsible for preserving property drops.
 The contractor shall be required to re-establish any property lines which are damaged or destroyed by his construction operations. Such lines shall be re-established by a licensed land surveyor or a professional engineer in accordance with state laws.
 Trees to be removed are marked this except that any tree which in the opinion of the Engineer can be saved, shall be spared.
 Contractor to co-ordinate construction with the sanitary sewer contractor for proposed sewer Lot 72, War Industries Center, which will cross Hitchcock & White Cliff Lane.

- Legend**
- Proposed Water Line
 - Proposed Gas Line
 - Property Lot Line
 - Pavement Removal
 - Hedgerow & Fence Removal
 - Sanitary Sewer (Proposed)

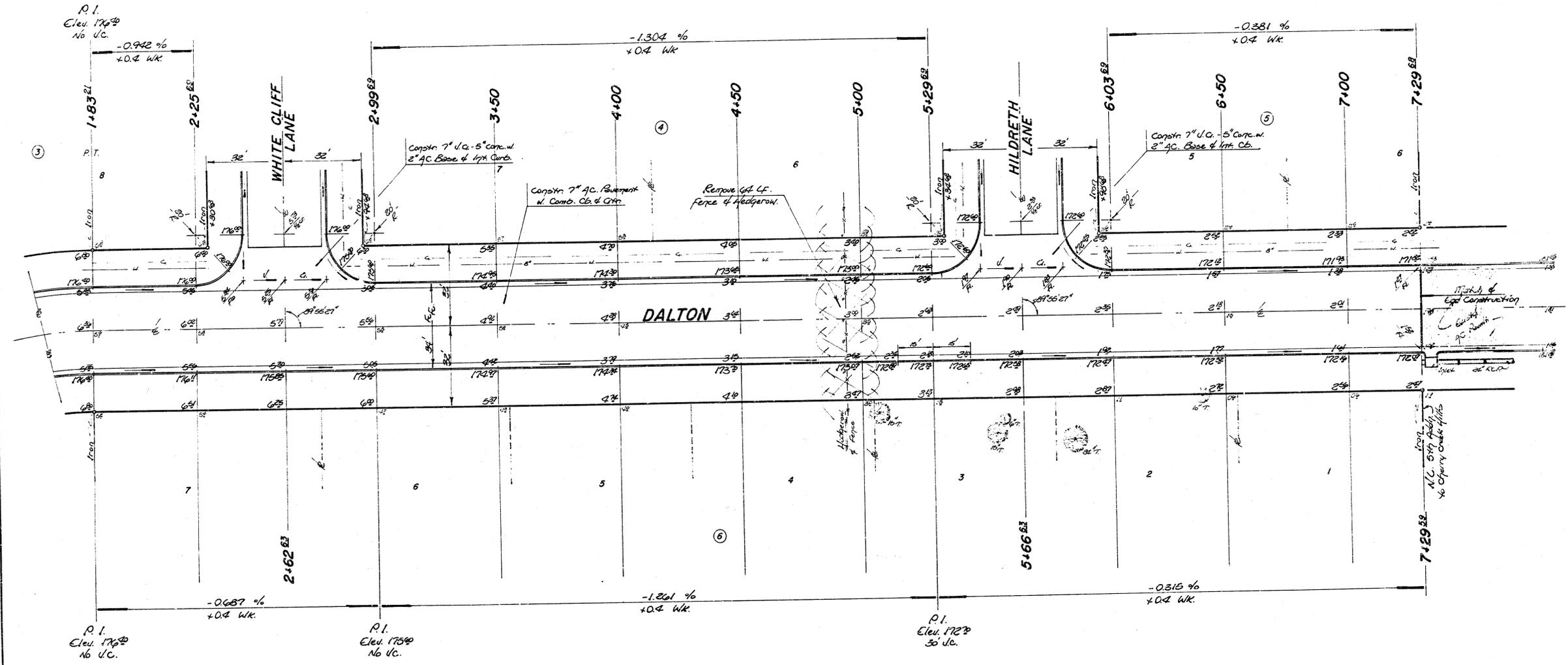
Earthwork Quantities

Property		City	
Excavation = 2839.1 cy	Comp. Fill = 31.6 cy	Excavation = 2302 cy	Comp. Fill = 2.9 cy
+10% = 2430 cy	+10% = 32 cy	+10% = 230 cy	+10% = 3.3 cy
Total = 3123.0 cy	Total = 34.7 cy	Total = 2532 cy	Total = 3.9 cy
Manipulation = 5587 sy		Manipulation = 404 sy	

DALTON



Scale:
1" = 20'



INTERSECTION QUANTITIES

—	S.Y.	Concrete Pavement
126.7	S.Y.	Asphaltic Conc. Pavement (5" Bituminous Base)
—	S.Y.	Bituminous Base
—	L.F.	Combined Curb & Gutter
52.6	L.F.	Integral Curb
—	S.F.	4" Wheelchair Ramp
—	S.F.	4" Walk
115.1	C.Y.	Excavation
1.2	C.Y.	Compacted Fill
422.6	Lbs.	Reinforcing Steel
271.9	S.Y.	Manipulation
2.5	Tons	Lime or Cement
32.2	S.Y. V.G.	Concrete & Asphaltic Concrete Base

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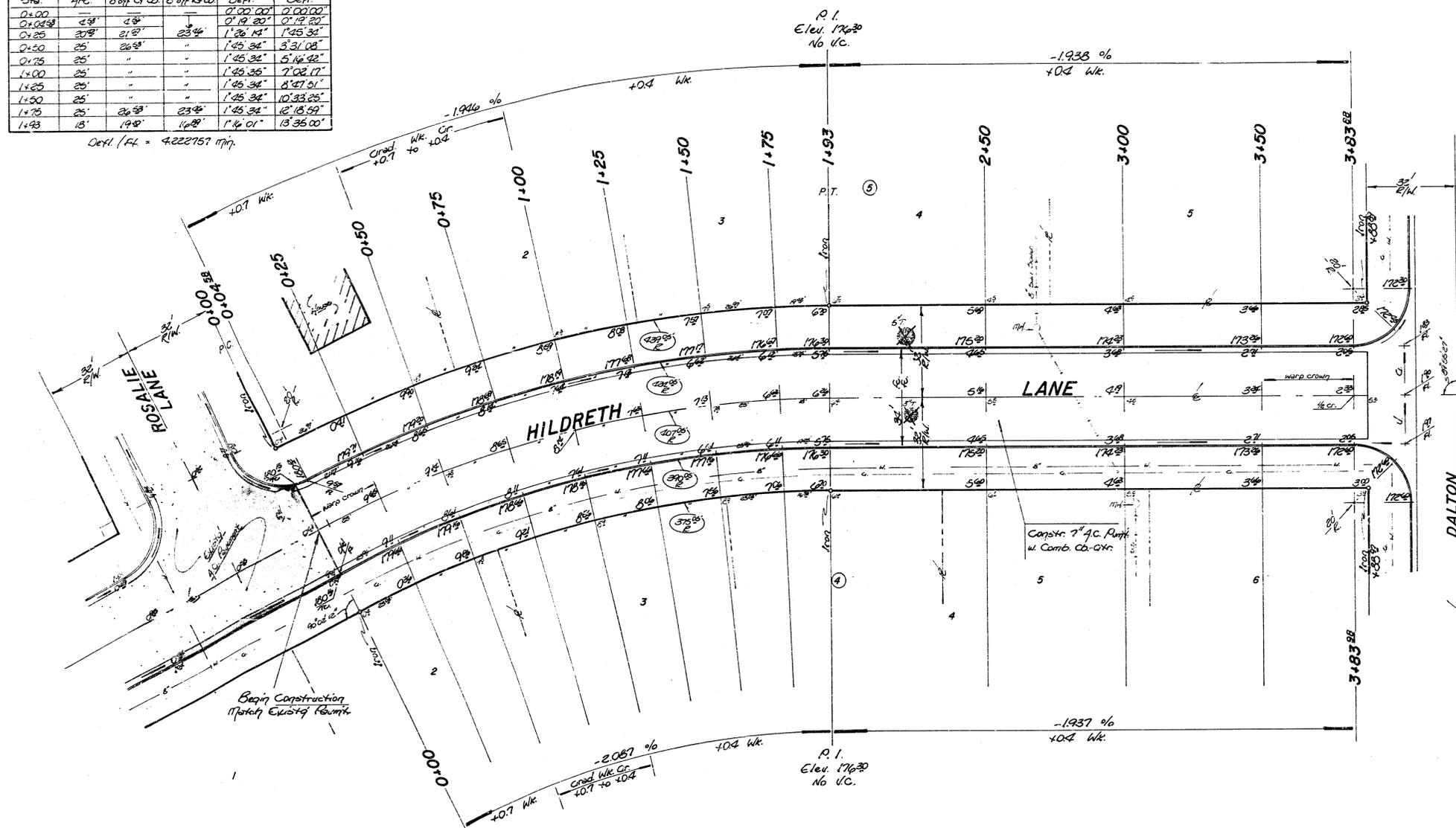
DALTON 3/10

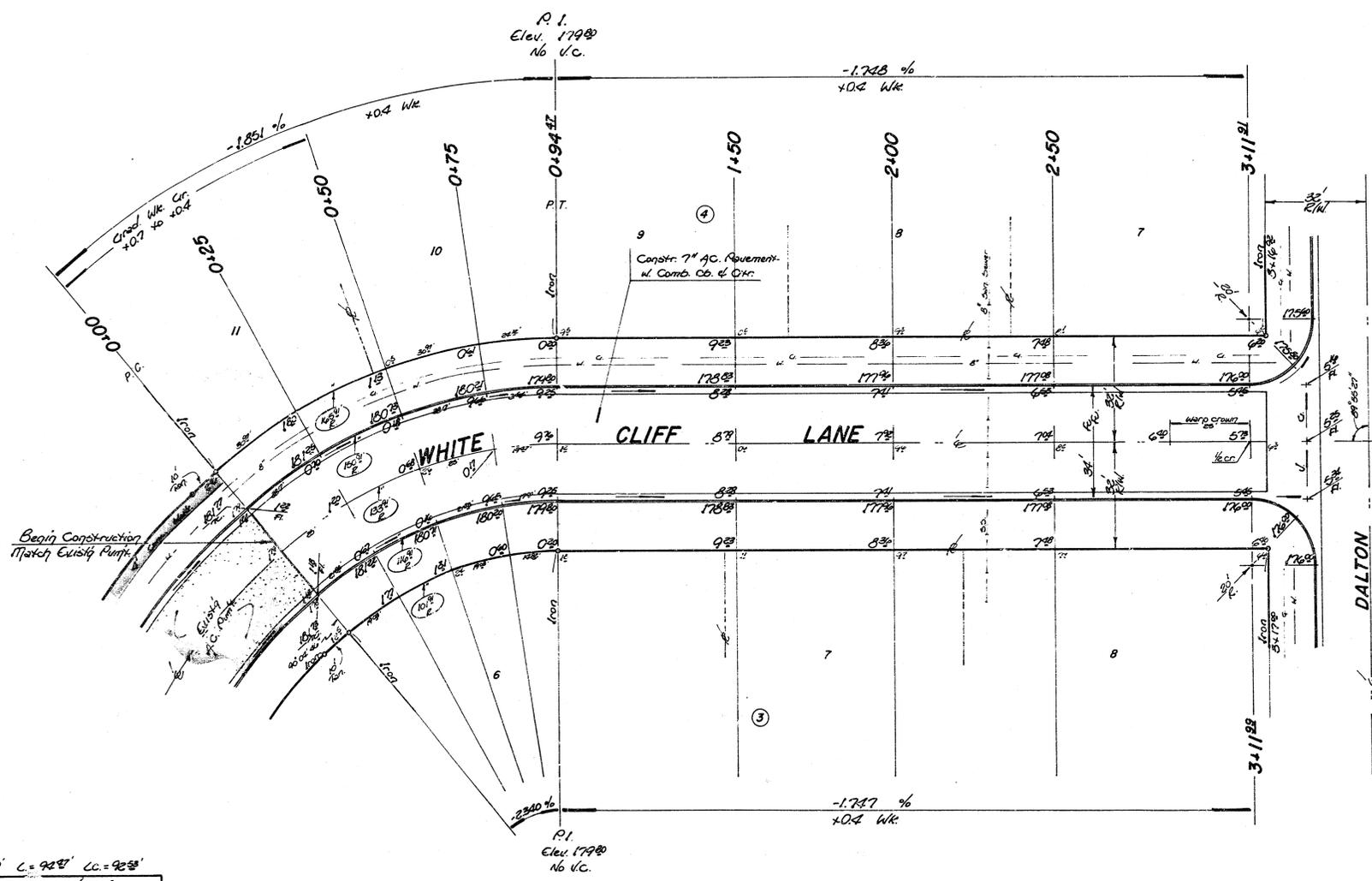
A = 27°10'00" R = 407'05" T = 28'35" C = 143'30" Lc = 191'2"

Curve Data Based on E Radius $\Delta E = 13'35.00"$

Sta	Arc	Chord	Defl	Total
		8' off G.C. to	8' off B.C. to	Defl.
0+00	0'	0'	0'	0'00.00"
0+05	5'	4'	1'	0'19.20"
0+10	10'	8'	2'	1'26.42"
0+15	15'	12'	3'	1'45.34"
0+20	20'	16'	4'	1'45.34"
0+25	25'	20'	5'	1'45.34"
0+30	30'	24'	6'	1'45.34"
0+35	35'	28'	7'	1'45.34"
0+40	40'	32'	8'	1'45.34"
0+45	45'	36'	9'	1'45.34"
0+50	50'	40'	10'	1'45.34"
0+55	55'	44'	11'	1'45.34"
0+60	60'	48'	12'	1'45.34"
0+65	65'	52'	13'	1'45.34"
0+70	70'	56'	14'	1'45.34"
0+75	75'	60'	15'	1'45.34"
0+80	80'	64'	16'	1'45.34"
0+85	85'	68'	17'	1'45.34"
0+90	90'	72'	18'	1'45.34"
0+95	95'	76'	19'	1'45.34"
1+00	100'	80'	20'	1'45.34"

Defl. (A) = 4.222757 mpy





$\Delta = 40^{\circ}25'18''$ $R = 133'$ $T = 69'$ $L = 92'$ $LC = 92'$

Curve Data Based on R_c Radius $\Delta = 20'12.39''$

Sta.	Arc	Chord	Length	Offset	Total
		δ off C.C.	δ off P.C.	Off.	Off.
0+00	—	—	—	0'00.00"	0'00.00"
0+25	25'	29'	20'	5'20.54"	5'20.54"
0+50	25'	29'	20'	5'20.54"	10'41.08"
0+75	25'	29'	20'	5'20.54"	15'61.62"
0+99.71	14'57"	23'9"	15'2"	5'09.56"	20'71.18"

Offl. / Ft. = 12.82403 min.

Sheet No. 6

Project No. 81128

MEASURED QUANTITIES FOR FINAL ESTIMATES ON PAVING

Form 192-066

STREET NAME WHITE WIFE FROM _____ TO _____ CONTRACTOR YIP-KING PAVING KIND OF PAVEMENT THICK ASPHALT

Sta.	Width	Dist.	Av. Width	Area	Square Yards Pavement	End Cuts		Dist.	Av. Area	Volume	Cubic Yards Excavation	
						At Station	Area					
80+00	27	0	27	0								
80+20	30	20	28.5	855								
80+40	30	40	28.5	855								
80+60	30	60	28.5	855								
80+80	30	80	28.5	855								
81+00	30	100	28.5	855								
81+20	30	120	28.5	855								
81+40	30	140	28.5	855								
81+60	30	160	28.5	855								
81+80	30	180	28.5	855								
82+00	30	200	28.5	855								
82+20	30	220	28.5	855								
82+40	30	240	28.5	855								
82+60	30	260	28.5	855								
82+80	30	280	28.5	855								
83+00	30	300	28.5	855								
83+20	30	320	28.5	855								
83+40	30	340	28.5	855								
83+60	30	360	28.5	855								
83+80	30	380	28.5	855								
84+00	30	400	28.5	855								
84+20	30	420	28.5	855								
84+40	30	440	28.5	855								
84+60	30	460	28.5	855								
84+80	30	480	28.5	855								
85+00	30	500	28.5	855								
85+20	30	520	28.5	855								
85+40	30	540	28.5	855								
85+60	30	560	28.5	855								
85+80	30	580	28.5	855								
86+00	30	600	28.5	855								
86+20	30	620	28.5	855								
86+40	30	640	28.5	855								
86+60	30	660	28.5	855								
86+80	30	680	28.5	855								
87+00	30	700	28.5	855								
87+20	30	720	28.5	855								
87+40	30	740	28.5	855								
87+60	30	760	28.5	855								
87+80	30	780	28.5	855								
88+00	30	800	28.5	855								
88+20	30	820	28.5	855								
88+40	30	840	28.5	855								
88+60	30	860	28.5	855								
88+80	30	880	28.5	855								
89+00	30	900	28.5	855								
89+20	30	920	28.5	855								
89+40	30	940	28.5	855								
89+60	30	960	28.5	855								
89+80	30	980	28.5	855								
90+00	30	1000	28.5	855								
Totals	1,278.8		187.9		1,055.7				633.4	0	1,274.6	

Measured By: FRAN
 Date: OCT 82
 Book No.: 12-K
 Finished By: TATE

FILMED FROM THE BEST AVAILABLE COPY

Sheet No. 4

Project No. 472-76-245-81128-000-000-001

MEASURED QUANTITIES FOR FINAL ESTIMATES ON PAVING

Form 192-066

STREET NAME DALTON FROM N.W. Line Parkmont Dr TO N.C. Lot 1, Blk G, 5th Addn CONTRACTOR MID-KANSAS KIND OF PAVEMENT _____

Sta.	Width AREA	Dist.	Av. Width AREA	Area	Square Yards Pavement	End Area		Dist.	Av. Area	Volume	Cubic Yards Excavation	
						At Station	Area					
Excavation												
1+00	12.0	0	12.0	0	0	12.0	0	0	0	0	0	
1+10	12.0	10	12.0	120	0	12.0	120	10	120	0	0	
1+20	12.0	20	12.0	240	0	12.0	240	20	240	0	0	
1+30	12.0	30	12.0	360	0	12.0	360	30	360	0	0	
1+40	12.0	40	12.0	480	0	12.0	480	40	480	0	0	
1+50	12.0	50	12.0	600	0	12.0	600	50	600	0	0	
1+60	12.0	60	12.0	720	0	12.0	720	60	720	0	0	
1+70	12.0	70	12.0	840	0	12.0	840	70	840	0	0	
1+80	12.0	80	12.0	960	0	12.0	960	80	960	0	0	
1+90	12.0	90	12.0	1080	0	12.0	1080	90	1080	0	0	
2+00	12.0	100	12.0	1200	0	12.0	1200	100	1200	0	0	
2+10	12.0	110	12.0	1320	0	12.0	1320	110	1320	0	0	
2+20	12.0	120	12.0	1440	0	12.0	1440	120	1440	0	0	
2+30	12.0	130	12.0	1560	0	12.0	1560	130	1560	0	0	
2+40	12.0	140	12.0	1680	0	12.0	1680	140	1680	0	0	
2+50	12.0	150	12.0	1800	0	12.0	1800	150	1800	0	0	
2+60	12.0	160	12.0	1920	0	12.0	1920	160	1920	0	0	
2+70	12.0	170	12.0	2040	0	12.0	2040	170	2040	0	0	
2+80	12.0	180	12.0	2160	0	12.0	2160	180	2160	0	0	
2+90	12.0	190	12.0	2280	0	12.0	2280	190	2280	0	0	
3+00	12.0	200	12.0	2400	0	12.0	2400	200	2400	0	0	
3+10	12.0	210	12.0	2520	0	12.0	2520	210	2520	0	0	
3+20	12.0	220	12.0	2640	0	12.0	2640	220	2640	0	0	
3+30	12.0	230	12.0	2760	0	12.0	2760	230	2760	0	0	
3+40	12.0	240	12.0	2880	0	12.0	2880	240	2880	0	0	
3+50	12.0	250	12.0	3000	0	12.0	3000	250	3000	0	0	
3+60	12.0	260	12.0	3120	0	12.0	3120	260	3120	0	0	
3+70	12.0	270	12.0	3240	0	12.0	3240	270	3240	0	0	
3+80	12.0	280	12.0	3360	0	12.0	3360	280	3360	0	0	
3+90	12.0	290	12.0	3480	0	12.0	3480	290	3480	0	0	
4+00	12.0	300	12.0	3600	0	12.0	3600	300	3600	0	0	
4+10	12.0	310	12.0	3720	0	12.0	3720	310	3720	0	0	
4+20	12.0	320	12.0	3840	0	12.0	3840	320	3840	0	0	
4+30	12.0	330	12.0	3960	0	12.0	3960	330	3960	0	0	
4+40	12.0	340	12.0	4080	0	12.0	4080	340	4080	0	0	
4+50	12.0	350	12.0	4200	0	12.0	4200	350	4200	0	0	
4+60	12.0	360	12.0	4320	0	12.0	4320	360	4320	0	0	
4+70	12.0	370	12.0	4440	0	12.0	4440	370	4440	0	0	
4+80	12.0	380	12.0	4560	0	12.0	4560	380	4560	0	0	
4+90	12.0	390	12.0	4680	0	12.0	4680	390	4680	0	0	
5+00	12.0	400	12.0	4800	0	12.0	4800	400	4800	0	0	
5+10	12.0	410	12.0	4920	0	12.0	4920	410	4920	0	0	
5+20	12.0	420	12.0	5040	0	12.0	5040	420	5040	0	0	
5+30	12.0	430	12.0	5160	0	12.0	5160	430	5160	0	0	
5+40	12.0	440	12.0	5280	0	12.0	5280	440	5280	0	0	
5+50	12.0	450	12.0	5400	0	12.0	5400	450	5400	0	0	
5+60	12.0	460	12.0	5520	0	12.0	5520	460	5520	0	0	
5+70	12.0	470	12.0	5640	0	12.0	5640	470	5640	0	0	
5+80	12.0	480	12.0	5760	0	12.0	5760	480	5760	0	0	
5+90	12.0	490	12.0	5880	0	12.0	5880	490	5880	0	0	
6+00	12.0	500	12.0	6000	0	12.0	6000	500	6000	0	0	
6+10	12.0	510	12.0	6120	0	12.0	6120	510	6120	0	0	
6+20	12.0	520	12.0	6240	0	12.0	6240	520	6240	0	0	
6+30	12.0	530	12.0	6360	0	12.0	6360	530	6360	0	0	
6+40	12.0	540	12.0	6480	0	12.0	6480	540	6480	0	0	
6+50	12.0	550	12.0	6600	0	12.0	6600	550	6600	0	0	
6+60	12.0	560	12.0	6720	0	12.0	6720	560	6720	0	0	
6+70	12.0	570	12.0	6840	0	12.0	6840	570	6840	0	0	
6+80	12.0	580	12.0	6960	0	12.0	6960	580	6960	0	0	
6+90	12.0	590	12.0	7080	0	12.0	7080	590	7080	0	0	
7+00	12.0	600	12.0	7200	0	12.0	7200	600	7200	0	0	
7+10	12.0	610	12.0	7320	0	12.0	7320	610	7320	0	0	
7+20	12.0	620	12.0	7440	0	12.0	7440	620	7440	0	0	
7+30	12.0	630	12.0	7560	0	12.0	7560	630	7560	0	0	
7+40	12.0	640	12.0	7680	0	12.0	7680	640	7680	0	0	
7+50	12.0	650	12.0	7800	0	12.0	7800	650	7800	0	0	
7+60	12.0	660	12.0	7920	0	12.0	7920	660	7920	0	0	
7+70	12.0	670	12.0	8040	0	12.0	8040	670	8040	0	0	
7+80	12.0	680	12.0	8160	0	12.0	8160	680	8160	0	0	
7+90	12.0	690	12.0	8280	0	12.0	8280	690	8280	0	0	
8+00	12.0	700	12.0	8400	0	12.0	8400	700	8400	0	0	
8+10	12.0	710	12.0	8520	0	12.0	8520	710	8520	0	0	
8+20	12.0	720	12.0	8640	0	12.0	8640	720	8640	0	0	
8+30	12.0	730	12.0	8760	0	12.0	8760	730	8760	0	0	
8+40	12.0	740	12.0	8880	0	12.0	8880	740	8880	0	0	
8+50	12.0	750	12.0	9000	0	12.0	9000	750	9000	0	0	
8+60	12.0	760	12.0	9120	0	12.0	9120	760	9120	0	0	
8+70	12.0	770	12.0	9240	0	12.0	9240	770	9240	0	0	
8+80	12.0	780	12.0	9360	0	12.0	9360	780	9360	0	0	
8+90	12.0	790	12.0	9480	0	12.0	9480	790	9480	0	0	
9+00	12.0	800	12.0	9600	0	12.0	9600	800	9600	0	0	
9+10	12.0	810	12.0	9720	0	12.0	9720	810	9720	0	0	
9+20	12.0	820	12.0	9840	0	12.0	9840	820	9840	0	0	
9+30	12.0	830	12.0	9960	0	12.0	9960	830	9960	0	0	
9+40	12.0	840	12.0	10080	0	12.0	10080	840	10080	0	0	
9+50	12.0	850	12.0	10200	0	12.0	10200	850	10200	0	0	
9+60	12.0	860	12.0	10320	0	12.0	10320	860	10320	0	0	
9+70	12.0	870	12.0	10440	0	12.0	10440	870	10440	0	0	
9+80	12.0	880	12.0	10560	0	12.0	10560	880	10560	0	0	
9+90	12.0	890	12.0	10680	0	12.0	10680	890	10680	0	0	
10+00	12.0	900	12.0	10800	0	12.0	10800	900	10800	0	0	
10+10	12.0	910	12.0	10920	0	12.0	10920	910	10920	0	0	
10+20	12.0	920	12.0	11040	0	12.0	11040	920	11040	0	0	
10+30	12.0	930	12.0	11160	0	12.0	11160	930	11160	0	0	
10+40	12.0	940	12.0	11280	0	12.0	11280	940	11280	0	0	
10+50	12.0	950	12.0	11400	0	12.0	11400	950	11400	0	0	
10+60	12.0	960	12.0	11520	0	12.0	11520	960	11520	0	0	
10+70	12.0	970	12.0									

Sheet No. 5

Project No. 472-74-245-8112B-000-000-001

Form 192-066

MEASURED QUANTITIES FOR FINAL ESTIMATES ON PAVING

STREET NAME: HILORETH FROM W.C. CO. BKS & CO. 11, BKS TO W.C. DALTON
 CONTRACTOR: J.D. FINN KIND OF PAVEMENT: _____

Sta.	Dist.	Av. Area	Volume	Cubic Yards Excavation	End Area		Dist.	Av. Area	Volume	Cubic Yards Excavation
					At Station	Area				
0+00	0.00				11.00	11.00	0.00			
0+10	10.00	11.00	110.00	11.00	11.00	10.00	10.00	100.00	10.00	100.00
0+20	20.00	11.00	220.00	11.00	11.00	10.00	10.00	200.00	10.00	200.00
0+30	30.00	11.00	330.00	11.00	11.00	10.00	10.00	300.00	10.00	300.00
0+40	40.00	11.00	440.00	11.00	11.00	10.00	10.00	400.00	10.00	400.00
0+50	50.00	11.00	550.00	11.00	11.00	10.00	10.00	500.00	10.00	500.00
0+60	60.00	11.00	660.00	11.00	11.00	10.00	10.00	600.00	10.00	600.00
0+70	70.00	11.00	770.00	11.00	11.00	10.00	10.00	700.00	10.00	700.00
0+80	80.00	11.00	880.00	11.00	11.00	10.00	10.00	800.00	10.00	800.00
0+90	90.00	11.00	990.00	11.00	11.00	10.00	10.00	900.00	10.00	900.00
1+00	100.00	11.00	1100.00	11.00	11.00	10.00	10.00	1000.00	10.00	1000.00
Final Excavation = 1274.59 cu yd										
Total Excavation = 1274.59										
Property										
City										
Totals										

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DATE OCT 82		STATEMENT OF COST				PROJ. NO. 41276245 81128 000 000 001		P.E.
C.A.D.		FOR CONSTRUCTION OF: DALTON FOTHERS IN CHERRY CREEK HILLS 5TH ADDN.						173,076.40
WORKING DRS OK		QUANTITIES		UNIT	CONSTRUCTION ITEM	COSTS		
PROP.	CITY	TOTAL	PRICE			PROP.	CITY	TOTAL
		4,777	2.32	50 YDS	7" AC PVMT (5" BIT BASE)			44,521.64
		806	2.32	50 YDS	2 1/2" BITUMINOUS BASE			2,675.32
		190	20.00	50 YDS	7" V.G. (5" CONC-2" BIT)			3,800.00
		2,718	5.65	LIN. FT	COMB CURB & GUTTER			15,356.70
		105	2.60	LIN. FT	INTEGRAL CURB			273.00
		3,069	0.90	CU. YDS	EXCAVATION			2,762.10
		34	0.10	CU. YDS	COMP. FILL			3.40
		5,933	0.80	50 YDS	MANIPULATION			4,746.40
		36	72.00	TONS	LIME			2,592.00
		544	1.00	50 YDS	PAVEMENT REMOVED			544.00
		81	4.65	LIN. FT	HEDGE ROW REMOVED			376.65
		2	20.00		SMALL TREES REMOVED			40.00
		64	0.75	LIN. FT	FENCE REMOVED			48.00
		35	1.00	LIN. FT	SAWED JOINT			35.00
					SUBTOTAL	71,941.70	5,833.11	77,774.81
					ENGINEERING & INSP.	14,393.28	1167.02	15,560.30
					ADMINISTRATION	1,079.12	87.50	1,166.62
					STREET NAME SIGNS	--	81.22	81.22
					PUBLICATION	87.72	--	87.72
					ABSTRACTING	8.00	--	8.00
9/83					CONSTRUCTION COST	87,509.82	7,168.85	94,678.67
					TEMP. NOTE INT.	4,643.81	376.53	5,020.34
					TOTAL COST	92,153.63	7,545.38	99,699.01

12/12

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