STREET IMPROVEMENTS

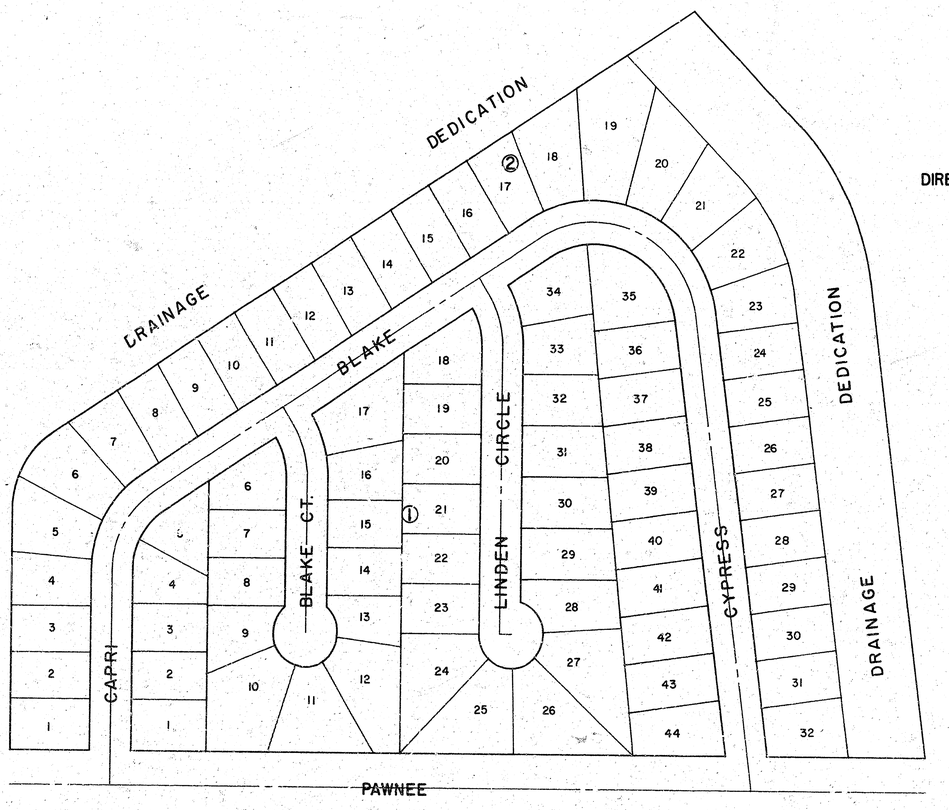
HEDGECLIFF 2ND ADDITION

PROJECT NO. 472-76-245-81028-000-000-001

CAPRI, BLAKE AND CYPRESS FROM N.L. OF PAWNEE TO N.L. OF PAWNEE
BLAKE CT. FROM S.E.'LY LINE OF BLAKE TO AND INCL. CUL-DE-SAC
LINDEN CIRCLE FROM THE S.E.'LY LINE OF BLAKE TO AND INCL. CUL-DE-SAC

INDEX

1. TITLE SHEET
2. CAPRI
3.-4. BLAKE
5.-6. CYPRESS
7. BLAKE COURT
8. LINDEN CIRCLE
9. INTERSECTION DETAILS
10.-18 CROSS SECTIONS
19. PAVEMENT DETAILS



SCALE: 1" = 100'

CITY of WICHITA
R.W. BRUGGEMAN
DIRECTOR OF ENGINEERING / CITY ENGINEER

NOTE:

ALL CURB ELEVATIONS ON PLAN ARE ROLL CURB ELEVATIONS UNLESS OTHERWISE NOTED AS FULL CURB.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATION. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

BENCH MARKS:

1. CITY BRASS CAP 53'S AND 47'W OF THE CENTERLINE OF PAWNEE AND WEBB ROAD. ELEV. 205.678
2. RAILROAD SPIKE IN POWER POLE 150'W AND 25'N OF THE CENTERLINE OF CYPRESS AND PAWNEE. ELEV. 194.04
3. ELEVATIONS ARE CITY OF WICHITA DATUM.

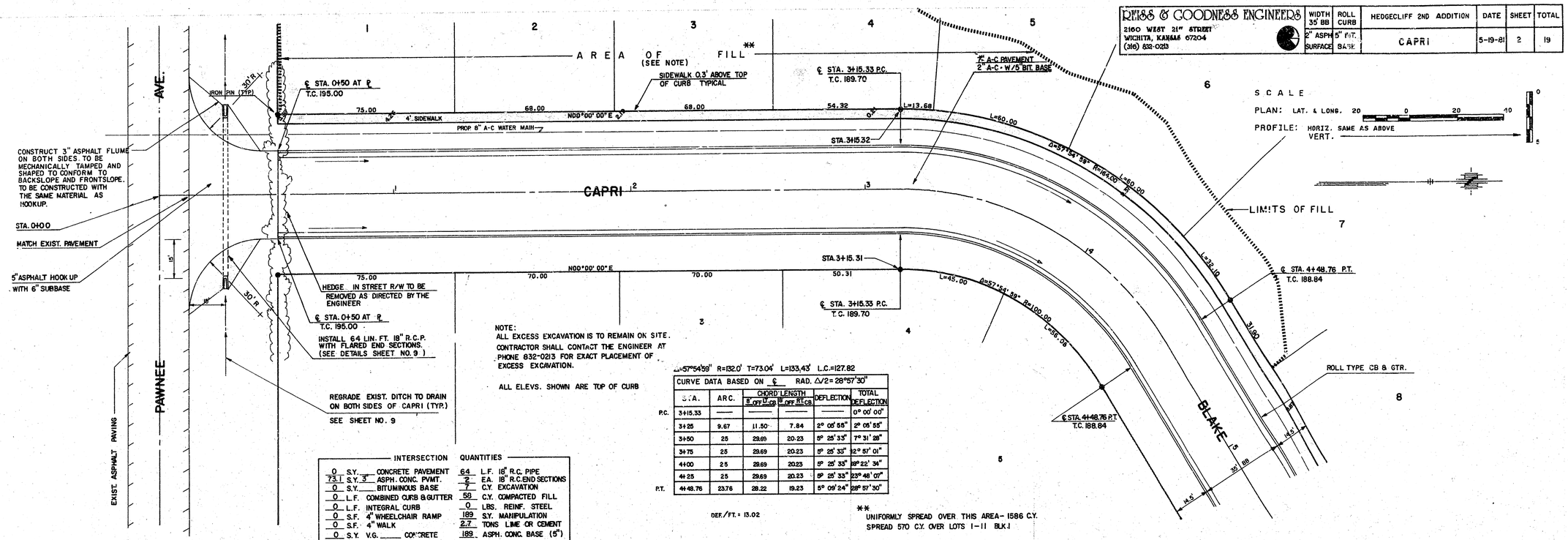
ADOLF E. REISS LICENSED PROFESSIONAL ENGINEER KANSAS

PREPARED BY REISS AND GOODNESS ENGINEERS

REVISED 9-2-81

FILMED FROM THE BEST

REISS & GOODNESS ENGINEERS	WIDTH	ROLL	HEDGECLIFF 2ND ADDITION	DATE	SHEET	TOTAL
2100 WEST 21ST STREET WICHITA, KANSAS 67204 (316) 832-0213	35' BB	CURB				
	2" ASPH SURFACE	5" CONC. BASE	CAPRI	5-19-81	2	19



NOTE:
ALL EXCESS EXCAVATION IS TO REMAIN ON SITE. CONTRACTOR SHALL CONTACT THE ENGINEER AT PHONE 832-0213 FOR EXACT PLACEMENT OF EXCESS EXCAVATION.

ALL ELEVS. SHOWN ARE TOP OF CURB

Δ=57°54'59" R=132.0' T=73.04' L=133.43' L.C.=127.82

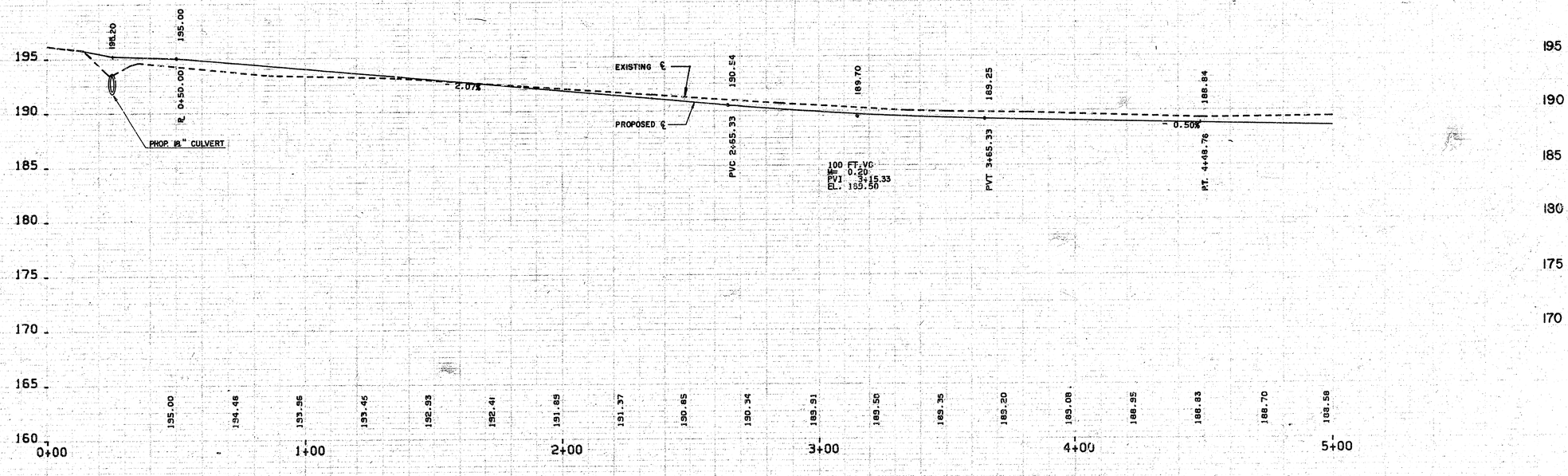
CURVE DATA BASED ON ℄ RAD. Δ/2=28°57'30"

	STA.	ARC.	CHORD LENGTH ℄ OFF D.CB	CHORD LENGTH ℄ OFF R.CB	DEFLECTION	TOTAL DEFLECTION
P.C.	3+15.33	——	——	——	——	0° 00' 00"
	3+25	9.67	11.50	7.84	2° 05' 55"	2° 05' 55"
	3+50	25	29.69	20.23	5° 25' 33"	7° 31' 28"
	3+75	25	29.69	20.23	5° 25' 33"	12° 57' 01"
	4+00	25	29.69	20.23	5° 25' 33"	18° 22' 34"
	4+25	25	29.69	20.23	5° 25' 33"	23° 48' 07"
P.T.	4+48.76	23.76	28.22	19.23	5° 09' 24"	28° 57' 30"

DEF./FT. = 13.02

** UNIFORMLY SPREAD OVER THIS AREA- 1586 C.Y.
SPREAD 570 C.Y. OVER LOTS 1-11 BLK.1

INTERSECTION QUANTITIES			
0	S.Y.	CONCRETE PAVEMENT	64 L.F. 18" R.C. PIPE
73.1	S.Y. 3"	ASPH. CONC. PVMT.	2 EA. 18" R.C. END SECTIONS
0	S.Y.	BITUMINOUS BASE	7 C.Y. EXCAVATION
0	L.F.	COMBINED CURB & GUTTER	56 C.Y. COMPACTED FILL
0	L.F.	INTEGRAL CURB	0 LBS. REINF. STEEL
0	S.F.	4" WHEELCHAIR RAMP	189 S.Y. MANIPULATION
0	S.F.	4" WALK	2.7 TONS LIME OR CEMENT
0	S.Y.	V.G. ____ CONCRETE	189 ASPH. CONC. BASE (5")



REV'D. 9-2-81

3/19

REISS & GOODNESS ENGINEERS	WIDTH	NOLL CURB	HEDGECLIFF 2ND ADDITION	DATE	SHEET	TOTAL
2160 WEST 21ST STREET WICHITA, KANSAS 67204 (316) 832-0213	35' BB	2" ASPH SURFACE	5" BIT. BASE BLAKE	5-19-81	3	19

7 8 9 10 11 12 13 14

℄ STA. 4+48.76 P.T.
T.C. 188.84

20' UTILITY EASEMENT

7" AC PAVEMENT
2" AC-W/5" BIT. BASE

SIDEWALK 0.3' ABOVE TOP OF CURB (TYPICAL)

SHADED AREA PAID FOR BY CITY AT LARGE

ROLL TYPE CB. & GTR.

STA. 6+88.76

PROPOSED 8" SANITARY SEWER

PROPOSED 8" AC WATER MAIN

4' SIDEWALK

L=32.10 | 31.90 | 74.00 | 74.00 | 69.00 | 69.00 | 74.00 | 74.00

BLAKE

IRON PIN (TYP.)

PROPOSED 8" SANITARY SEWER

℄ STA. 4+48.76 P.T.
T.C. 188.84

L=56.08 | 86.30 | 121.70 | 173.10

℄ 20' UTILITY EASEMENT

42.46

6+56.76 | 20' R | 7+20.76 | 20' R

8' TRANSITION FROM ROLL TO FULL CURB

T.C. 186.36 E.R.

℄ STA. 6+51.26 E.R.
T.C. 186.66

T.C. 186.32 E.R.

8' TRANSITION FROM ROLL TO FULL CURB

℄ STA. 7+26.26 E.R.
T.C. 185.33

7" VALLEY GUTTER
5" CONCRETE
2" ASPHALTIC CONCRETE

REDUCE FROM FULL TO HALF CROWN IN 50' CR= 186.46

ROLL TYPE CB. & GUTTER

PROP. 8" A.C. WATER MAIN

BLAKE CT.

REMOVE HEDGE WITHIN STREET R/W AS DIRECTED BY THE ENGINEER

PROPOSED STORM SEWER AND INLETS "BY OTHERS"

℄ STA. 9+04.66
℄ INLET
TC 182.40

46.40

14.5' | 3.5 | 18.8 | 14.5'

5' | 1'

INTERSECTION QUANTITIES

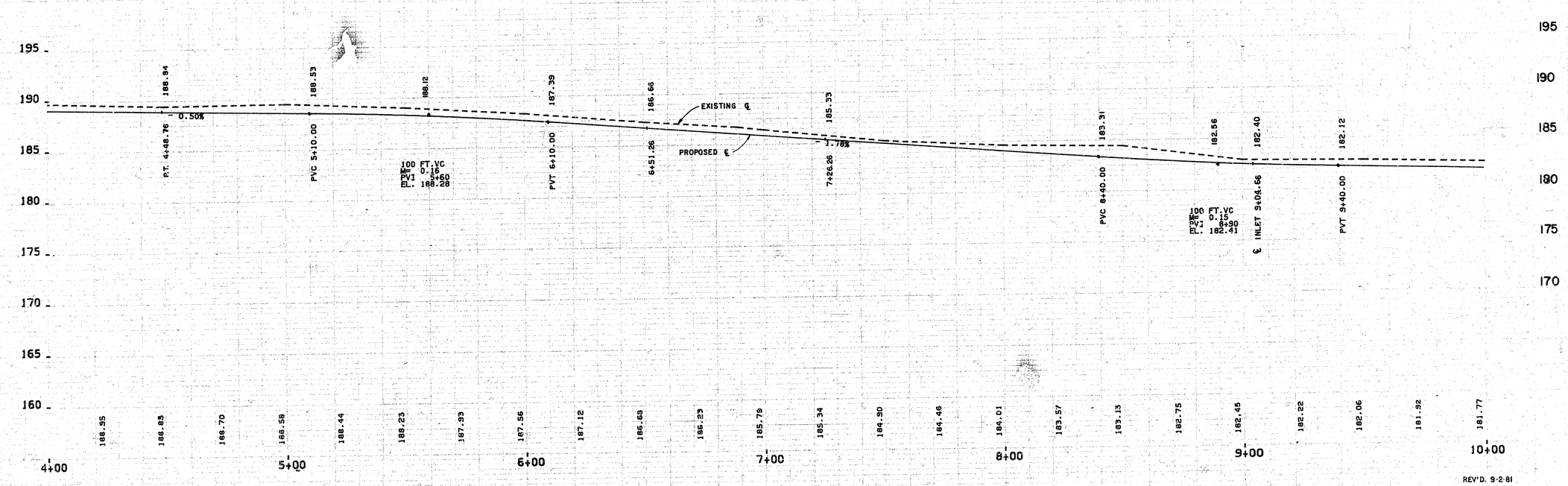
0 S.Y. 7"	CONCRETE PAVEMENT	(5"	BITUMINOUS BASE)
106.67 S.Y. 7"	ASPH. CONC. PVMT.	15	C.Y. EXCAVATION
0 S.Y. 2 1/2"	BITUMINOUS BASE	1.8	C.Y. COMPACTED FILL
0	L.F. COMBINED CURB & GUTTER	0	LBS. REINF. STEEL
44.2	L.F. INTEGRAL CURB	202.9	S.Y. MANIPULATION
0	S.F. 4" WHEELCHAIR RAMP	2.9	TONS LIME OR CEMENT
0	S.F. 4" WALK	2"	ASPH. CON. BASE
91.8	S.Y. V.G. 9" CONCRETE		

SEE SHEET NO. 7 FOR INTERSECTION QUANTITIES ALSO.

SCALE
PLAN: LAT. & LONG. 20 0 20 40
PROFILE: HORIZ. SAME AS ABOVE
VERT. 0 5

℄ 20' UTILITY EASEMENT

NOTE:
SPREAD UNIFORMLY 889 CY. OF FILL ON LOTS 11-25 BLK.1



REV'D. 9-2-81

3/18

REISS & GOODNESS ENGINEERS	WIDTH	ROLL CURB	HEDGECLIFF 2ND ADDITION	DATE	SHEET	TOTAL
2160 WEST 21ST STREET WICHITA, KANSAS 67204 (316) 832-0213	35' BB	2" ASPH. SURFACE	5" BIT BASE	5-19-81	4	19

PROPOSED STORM SEWER & INLETS "BY OTHERS"

20' UTILITY EASEMENT

℄ STA. 9 + 04.66
℄ INLET
T.C. 182.40

SHADED AREA PAID FOR BY CITY AT LARGE

ROLL TYPE CB & GTR

STA. 10 + 48.76

SIDEWALK 0.3' ABOVE TOP OF CURB (TYP)

℄ STA. 11 + 59.29 P.C.
T.C. 180.85

SEE SHEET 8 FOR INTERSECTION QUANTITIES ALSO.

INTERSECTION QUANTITIES

0 S.Y.	CONCRETE PAVEMENT	6"	BITUMINOUS BASE
167.47 S.Y.	7" ASPH. CONC PVMT.	110.6	C.Y. EXCAVATION
13.11 S.Y.	2½" BITUMINOUS BASE	185	C.Y. COMPACTED FILL
44.2 L.F.	CONCRETE CURB & GUTTER	0	LBS. REINF. STEEL
0 L.F.	INTEGRAL CURB	202.9	S.Y. MANIPULATION
0 S.F.	4" WHEELCHAIR RAMP	2.9	TONS LIME OR CEMENT
0 S.F.	4" WALK	2"	ASPH. CONC. BASE
0 S.Y.	V.G. 5" CONCRETE		

PROPOSED 8" SANITARY SEWER

20' EASEMENT

FILL AREA ** (SEE NOTE SHEET 2)

74.00 — 69.00 — 69.00 — 37.63 — L=26.37 — L=55.00 — L=55.00 — L=180.00

4" SIDEWALK

PROPOSED 8" A-C WATER MAIN

BLAKE

35' BB — 14.5' — 14.5'

122.90

8' TRANSITION FROM ROLL TO FULL

℄ STA. 10 + 11.25 E.R.
T.C. 181.70

10+16.76 — 70 TR — 180.00

℄ STA. 9 + 04.66
℄ INLET
T.C. 182.40

REMOVE HEDGE WITHIN STREET R/W AS DIRECTED BY ENGR.

PROPOSED 8" SANITARY SEWER

20' UTILITY EASEMENT

Δ=29°03'58" — R=165.88 — L=84.16

PROPOSED 8" A-C WATER MAIN

LINDEN CIR.

20.5' — 10+80.76 — 78.53 — 180.67

8' TRANSITION FROM ROLL TO FULL

℄ STA. 10 + 86.26 E.R.
T.C. 181.27

ROLL TYPE CB & GTR

IRON PIN (TYP)

℄ STA. 11 + 59.29 P.C.
T.C. 180.85

L=60.91

20' UTILITY EASEMENT

7" AC PAVEMENT
2" AC W/5" BIT. BASE

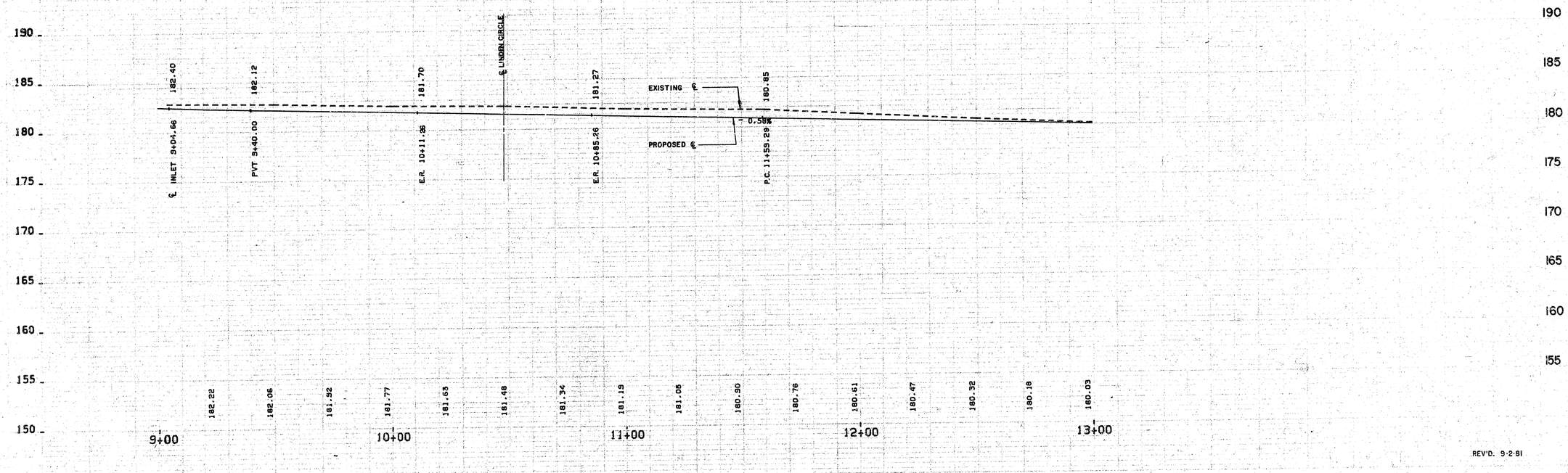
L=180.00

N 29° 12' E — 180.03

LIMITS OF FILL

** SPREAD 719 C.Y. UNIFORMLY IN THIS AREA.

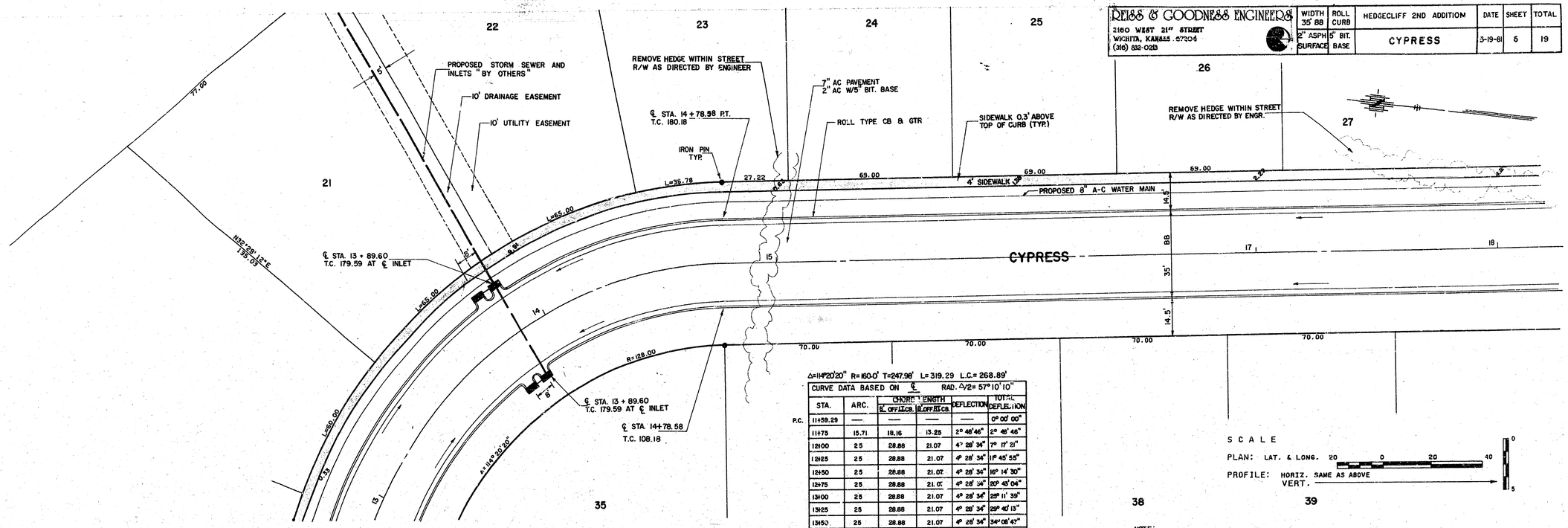
SCALE
PLAN: LAT. & LONG. 20 0 20 40
PROFILE: HORIZ. SAME AS ABOVE
VERT. 0 5



REV'D. 9-2-81

4/13

DEISS & GOODNESS ENGINEERS	WIDTH	ROLL CURB	HEDGECLIFF 2ND ADDITION	DATE	SHEET	TOTAL
2160 WEST 21ST STREET WICHITA, KANSAS 67204 (316) 832-0213	35' BB	2" ASPH 5" BIT. SURFACE BASE	CYPRESS	3-19-81	6	19



Δ=114°20'20" R=160.0' T=247.98' L=319.29 L.C.=268.89'

CURVE DATA BASED ON ℄ RAD. Δ/2= 57°10'10"

	STA.	ARC.	CHORD LENGTH ℄ OFF LCS.	CHORD LENGTH 18' OFF RT CS.	DEFLECTION	TOTAL DEFLECTION
P.C.	11+59.29	—	—	—	—	0° 00' 00"
	11+75	15.71	16.16	13.25	2° 48' 46"	2° 48' 46"
	12+00	25	28.88	21.07	4° 28' 34"	7° 17' 21"
	12+25	25	28.88	21.07	4° 28' 34"	11° 45' 55"
	12+50	25	28.88	21.07	4° 28' 34"	16° 14' 30"
	12+75	25	28.88	21.07	4° 28' 34"	20° 43' 04"
	13+00	25	28.88	21.07	4° 28' 34"	25° 11' 39"
	13+25	25	28.88	21.07	4° 28' 34"	29° 40' 13"
	13+50	25	28.88	21.07	4° 28' 34"	34° 08' 47"
	13+75	25	28.88	21.07	4° 28' 34"	38° 37' 22"
	14+00	25	28.88	21.07	4° 28' 34"	43° 05' 56"
	14+25	25	28.88	21.07	4° 28' 34"	47° 34' 31"
	14+50	25	28.88	21.07	4° 28' 34"	52° 03' 05"
	14+75	25	28.88	21.07	4° 28' 34"	56° 31' 40"
P.T.	14+78.58	3.58	4.14	3.02	0° 38' 29"	57° 10' 10"

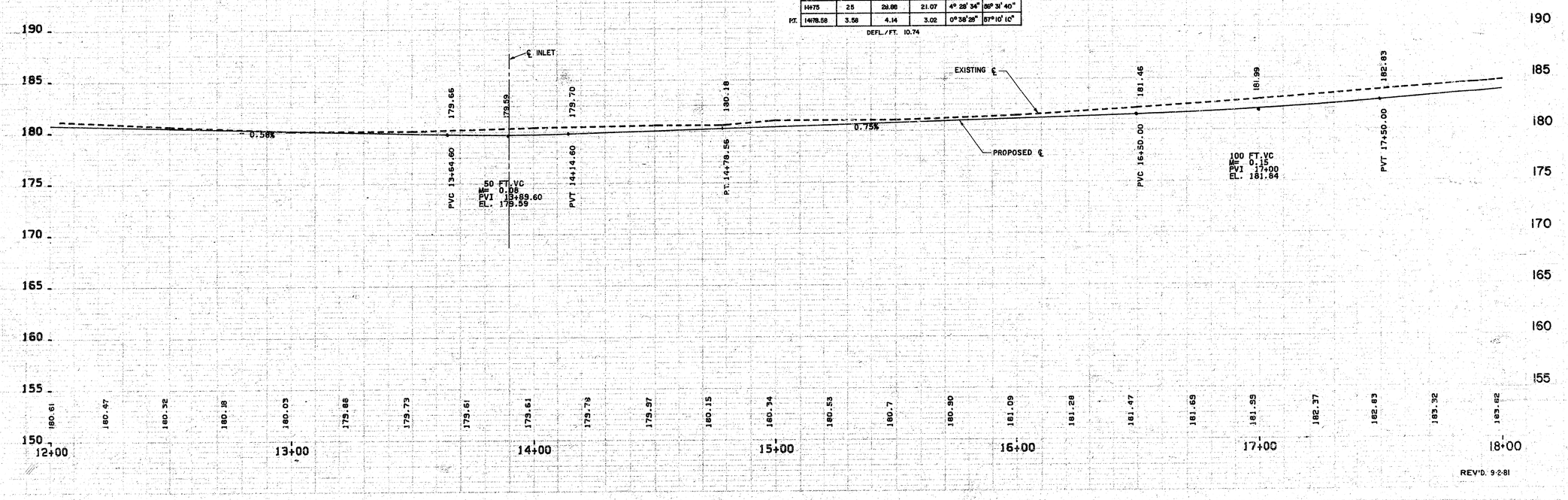
DEFL./FT. 10.74

SCALE

PLAN: LAT. & LONG. 20 0 20 40

PROFILE: HORIZ. SAME AS ABOVE
VERT. 0 5

NOTE:
SPREAD 1067 C.Y. UNIFORMLY OVER
LOTS 25-44 BLK1



REV'D. 9-2-81

5/19

DEISS & GOODNESS ENGINEERS	WIDTH 35' BB	ROLL CURB	HEDGECLIFF 2ND ADDITION	DATE	SHEET	TOTAL
2160 WEST 21ST STREET WICHITA, KANSAS 67204 (316) 682-0213	2" ASPH SURFACE	5" BIT. BASE	CYPRESS	5-19-81	6	19

27 28 29 30 31 32

LIMITS OF FILL

FILL AREA **
(SEE NOTE SHEET 2)

SIDEWALK 0.3' ABOVE TOP OF CURB (TYP.)

7" A.C. PAVEMENT
2" A.C. W/5" BIT. BASE

ROLL TYPE CURB & GUTTER

PROPOSED 8" A-C WATER MAIN

4' SIDEWALK

CYPRESS

B-B 35'

14.5' 14.5'

69.00 69.00 69.00 69.00 69.00 71.63

70.00 70.00 70.00 70.00 70.00 81.95

INSTALL 64 LIN. FT. OF 18" R.C.P. W/FLARED END SECTIONS (SEE SHEET NO. 9)
REGRADE EXIST. DITCH TO DRAIN ON BOTH SIDES CYPRESS.

IRON PIN (TYP.)

℄ STA. 21+27.73 AT ℛ
T.C. 190.30

22+25.43

LIMITS OF FILL

PAWNEE AVE.

CONSTRUCT 3" ASPHALT FLUME ON BOTH SIDES TO BE MECHANICALLY TAMPED AND SHAPED TO CONFORM TO BACKSLOPE AND FRONTSLOPE. TO BE CONSTRUCTED OF THE SAME MATERIAL THE HOOKUP.

MATCH EXIST. PAVING

STA. 21+75.36

5" ASPHALT HOOK-UP W/6" SUB-BASE

REMOVE TREES WITHIN STREET R/W AS DIRECTED BY ENGR.

℄ STA. 21+22.98 AT ℛ
T.C. 190.21

20+24.32

EXISTING ASPHALT PAVING

REMOVE HEDGE WITHIN STREET R/W AS DIRECTED BY ENGINEER

INTERSECTION QUANTITIES

0	S.Y. ___" CONCRETE PAVEMENT	64	L.F. R.C. PIPE
73.1	S.Y. 3" ASPH. CONC. PVMT.	2	EA. R.C. END SECTION
0	S.Y. ___ BITUMINOUS BASE	4	C.Y. EXCAVATION
0	L.F. COMBINED CURB & GUTTER	36	C.Y. COMPACTED FILL
0	L.F. INTEGRAL CURB	0	LBS. REINF. STEEL
0	S.F. 4" WHEELCHAIR RAMP	189	S.Y. MANIPULATION
0	S.F. 4" WALK	2.7	TONS LIME OR CEMENT
0	S.Y. V.G. ___ CONCRETE	187	ASPH. CONC. BASE (5")

** SPREAD 948 C.Y. UNIFORMLY WITHIN THIS AREA

SCALE
PLAN: LAT. & LONG. 20 0 20 40
PROFILE: HORIZ. SAME AS ABOVE
VERT. 0 5

39 40 41 42 43 44

EXISTING ℄
PROPOSED
1.98%

18" R.C. PIPE

END CURB 21+22.98 190.22
END CURB 21+27.73 190.31
190.55

PVC 16+50.00 181.46
100 FT. VC
K= 0.15
PVI 17+00
EL. 181.84
PVT 17+50.00 182.83

181.46	181.69	181.95	182.37	182.83	183.33	183.82	184.32	184.81	185.31	185.80	186.30	186.75	187.29	187.78	188.28	188.77	189.27	189.76	190.26		
		17+00				18+00				19+00				20+00				21+00			

195 190 185 180 175 170 165 160

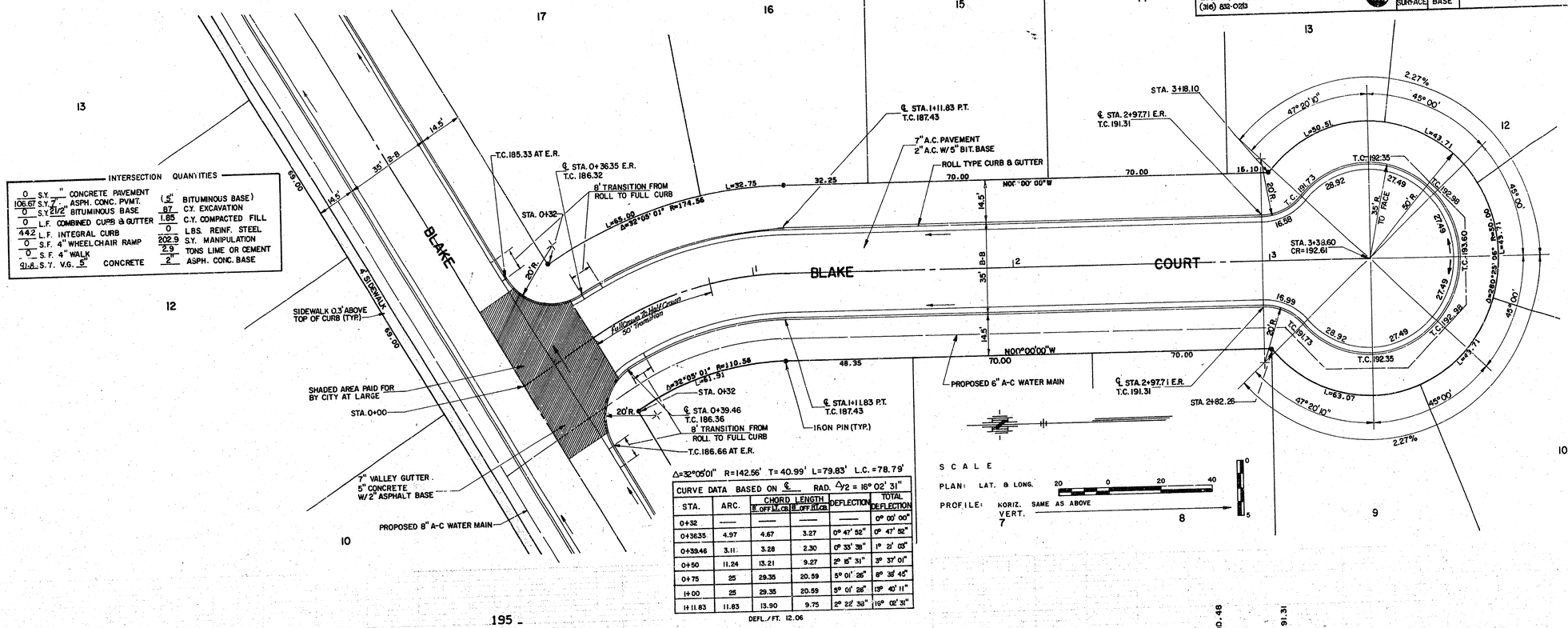
REV'D. 9-2-81

6/19

REISS & GOODNESS ENGINEERS	WIDTH	ROLL CURB	HEDGECLIFF 2ND ADDITION	DATE	SHEET	TOTAL
2160 WEST 21ST STREET WICHITA, KANSAS 67204 (316) 832-0213	35' BB	2" ASPH SURFACE	5" BIT. BASE	BLAKE COURT	5-19-81	7	19

INTERSECTION QUANTITIES

0 S.Y. 7"	CONCRETE PAVEMENT	(5"	BITUMINOUS BASE)
106.67 S.Y. 7"	ASPH. CONC. PVMT.	87	C.Y. EXCAVATION
0 S.Y. 2½"	BITUMINOUS BASE	1.85	C.Y. COMPACTED FILL
0 L.F.	COMBINED CURB & GUTTER	0	LBS. REINF. STEEL
442 L.F.	INTEGRAL CURB	202.9	S.Y. MANIPULATION
0 S.F. 4"	WHEELCHAIR RAMP	2.9	TONS LIME OR CEMENT
0 S.F. 4"	WALK	2"	ASPH. CONC. BASE
91.8 S.Y. V.G. 5"	CONCRETE		



CURVE DATA BASED ON ℄					
STA.	ARC.	CHORD LENGTH R. OFF LT. CB	CHORD LENGTH R. OFF RT. CB	DEFLECTION	TOTAL DEFLECTION
0+32	——	——	——	——	0° 00' 00"
0+36.35	4.97	4.67	3.27	0° 47' 52"	0° 47' 52"
0+39.46	3.11	3.28	2.30	0° 33' 38"	1° 21' 03"
0+50	11.24	13.21	9.27	2° 15' 31"	3° 37' 01"
0+75	25	29.35	20.59	5° 01' 28"	8° 38' 45"
1+00	25	29.35	20.59	5° 01' 28"	13° 40' 11"
1+11.83	11.83	13.90	9.75	2° 22' 33"	16° 02' 31"

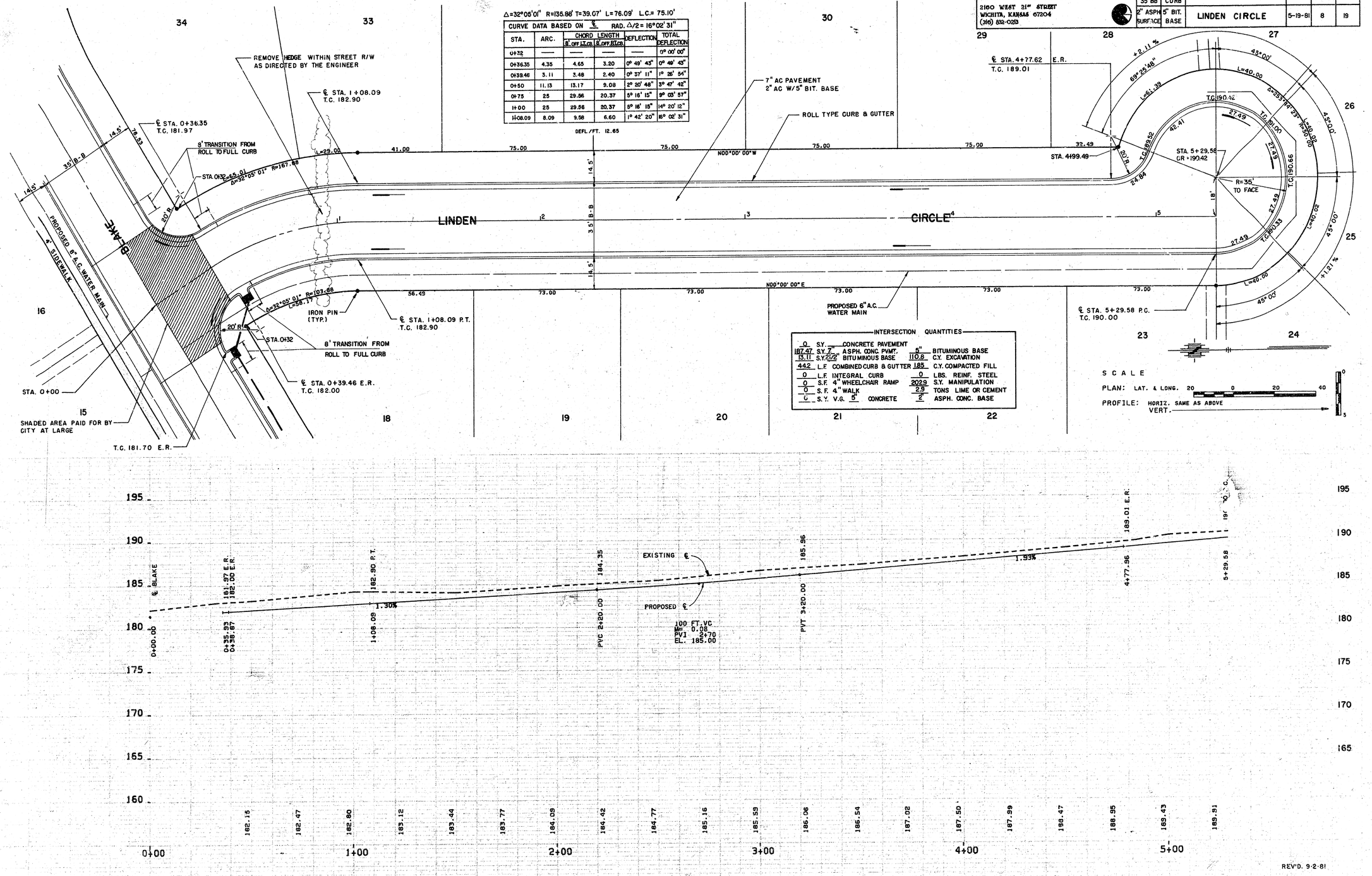
Δ=32°05'01" R=142.56' T=40.99' L=79.83' L.C.=78.79'

DEFL./FT. 12.06



REV'D. 9-2-81

REISS & GOODNESS ENGINEERS	WIDTH 35' BB	ROLL CURB	HEDGECLIFF 2ND ADDITION	DATE	SHEET	TOTAL
2160 WEST 21ST STREET WICHITA, KANSAS 67204 (316) 832-0213	2" ASPH SURFACE	5" BIT. BASE	LINDEN CIRCLE	5-19-81	8	19



INTERSECTION QUANTITIES

0 S.Y.	CONCRETE PAVEMENT		
187.47 S.Y.	7" ASPH. CONC PVMT.	5"	BITUMINOUS BASE
15.11 S.Y.	2 1/2" BITUMINOUS BASE	110.8	C.Y. EXCAVATION
442 L.F.	COMBINED CURB & GUTTER	185	C.Y. COMPACTED FILL
0 L.F.	INTEGRAL CURB	0	LBS. REINF. STEEL
0 S.F.	4" WHEELCHAIR RAMP	2029	S.Y. MANIPULATION
0 S.F.	4" WALK	2.5	TONS LIME OR CEMENT
0 S.Y.	V.G. 5" CONCRETE	2	ASPH. CONC. BASE

SCALE

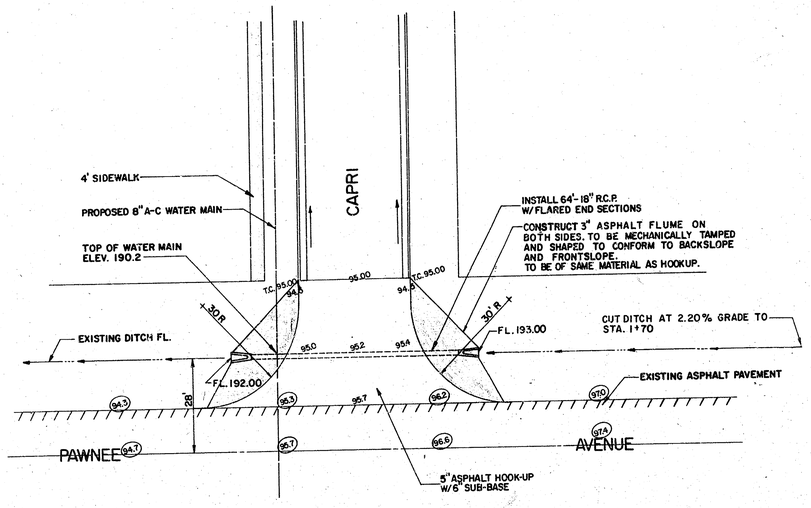
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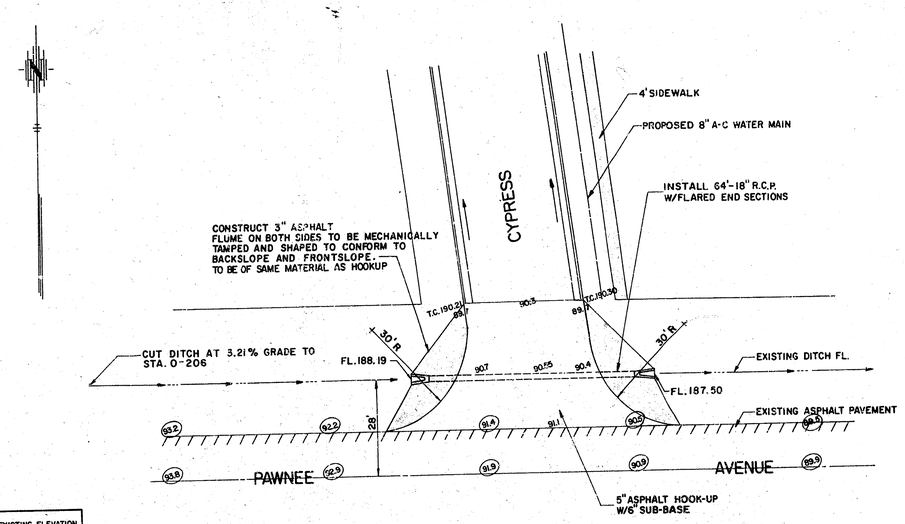
PROFILE: HORIZ. SAME AS ABOVE
VERT. 0 5

REV'D. 9-2-81

5/13

DISS & GOODNESS ENGINEERS	HEDGECLIFF 2ND ADDITION	DATE	SHEET	TOTAL
2160 WEST 21ST STREET WICHITA, KANSAS 67204 (316) 832-0213	INTERSECTION DETAILS	5-19-81	9	19



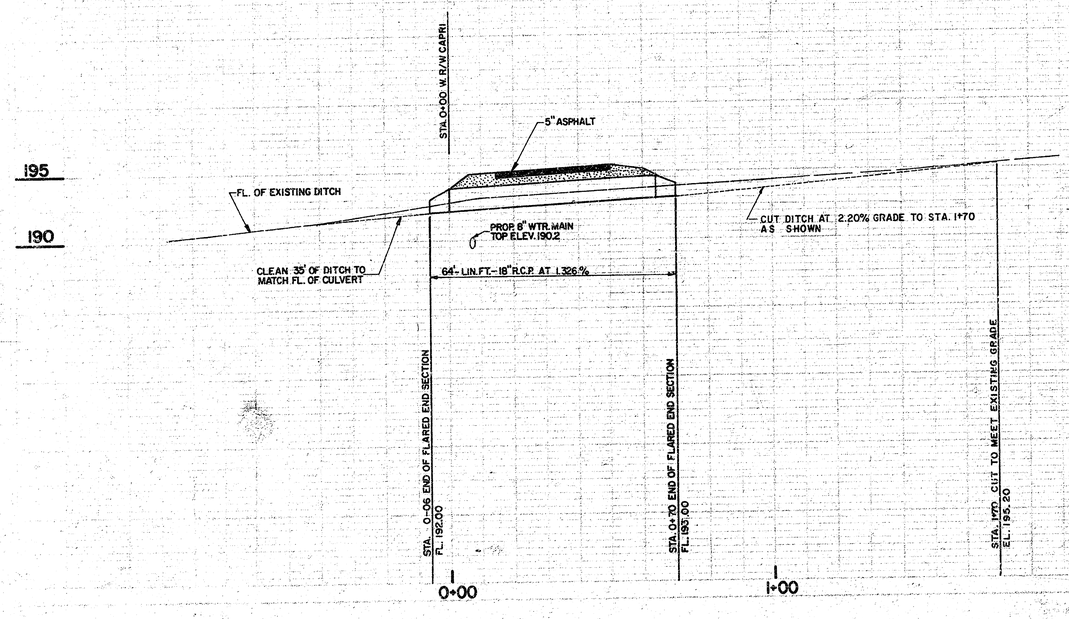


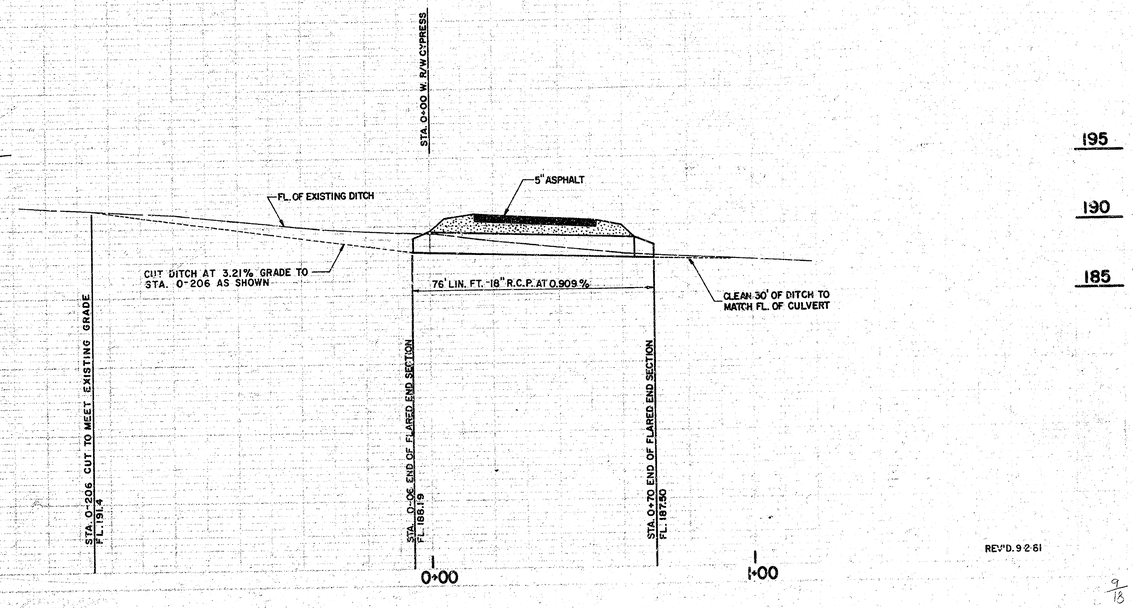
(910) = EXISTING ELEVATION

SCALE

PLAN: LAT. & LONG. 20 0 20 40

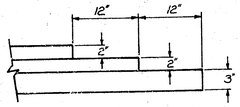
PROFILE: HORIZ. SAME AS ABOVE
VERT. 0 5





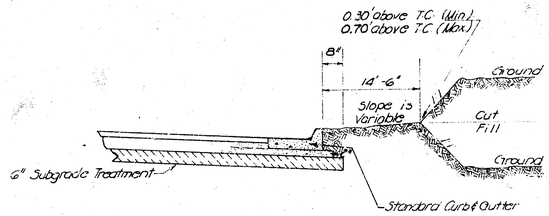
REV'D. 9 2 81

9/19



Traverse 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 construction the transverse construction joints shall not be measured or paid for directly but shall be included in the bid prices for square yards of asphaltic concrete pavement.

TRANSVERSE CONSTRUCTION JOINT

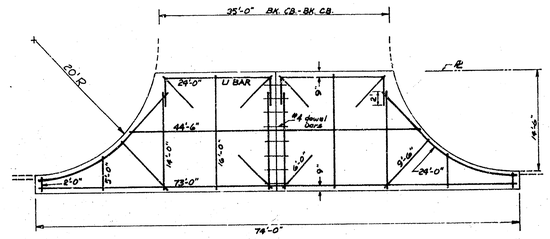


* Note: Slopes indicated are for normal crown sections, see spot elevs. for intersections, valley gutters, transitions and other warped sects.

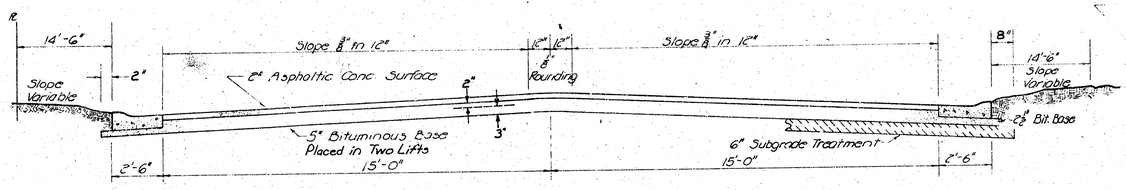
TYPICAL SECTION

No. 6 Ø Bars *			
2	29'-0"	U	Bars
6	6'-0"	—	"
1	44'-6"	—	"
1	73'-0"	—	"
2	2'-0"	—	"
2	5'-0"	—	"
2	9'-6"	—	"
2	24'-0"	—	"
2	15'-0"	—	"
2	16'-0"	—	Bars
	370.5 lin. ft.		

* All No. 6 Bars Except Cowell Steel

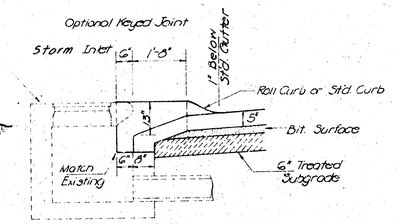


VALLEY GUTTER DETAIL

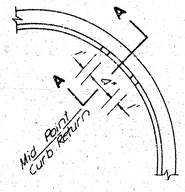


TYPICAL SECTION

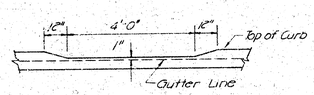
35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE



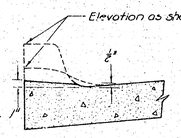
SECTION D-D



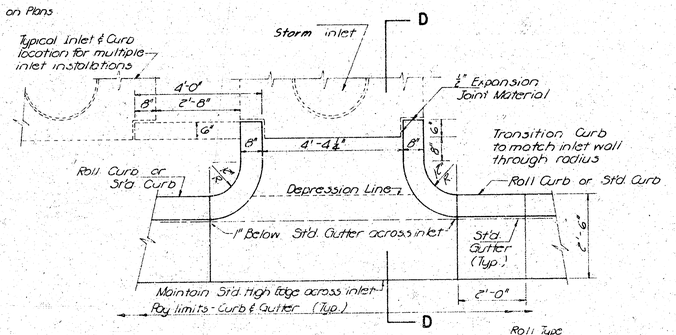
CURB DEPRESSION LOCATION DETAIL



DEPRESSED CURB DETAIL



SECTION A-A

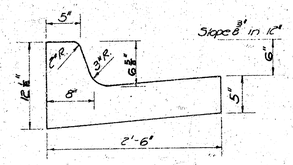


INLET CONNECTION DETAIL

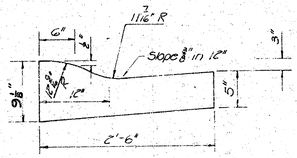
SUBSIDIARY TO CURB & GUTTER

GENERAL NOTES

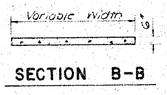
1. A tack coat of emulsified asphalt (SS-1H) shall be applied at an approx. rate of 0.10 gal sq yd between lifts of asphaltic materials when ordered by the Engineer. Tack coat will not be paid directly, but shall be subsidiary to price bid for asphaltic pavement.
2. Bituminous base, bituminous subbase 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 10' with joints in preceeding lifts and placed such that a joint will be constructed on the center line of top lift.
3. The A.C. Pavement between the combination 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. 2½" Bituminous Base.



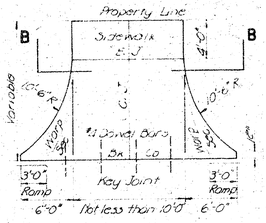
STANDARD CURB & GUTTER DETAIL



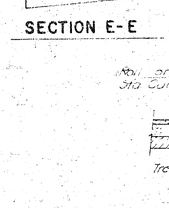
ROLL TYPE CURB & GUTTER DETAIL



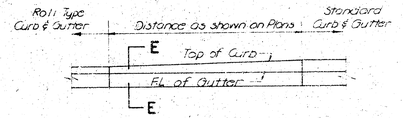
SECTION B-B



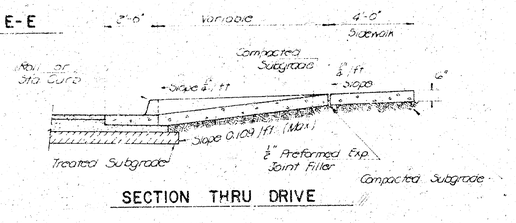
DRIVE APPROACH DETAIL



SECTION E-E



TRANSITION DETAIL



SECTION THRU DRIVE

No.	Revision	By	Date

CITY OF WICHITA, KANSAS

PAVEMENT DETAILS
HEDGECLIFF 2nd ADDN.

REISS & GOODNESS ENGR
2164 WEST 21ST STREET
WICHITA, KANSAS 67203
(316) 832 0213

Designed by	Job No.
Drawn by B.N.	Date 5-19-81

Sheet No. 1

Project No. 472-76-245-81028-000-000-001

Form 192-066

MEASURED QUANTITIES FOR FINAL ESTIMATES ON PAVING

STREET NAME CAPRI FROM PAWNEE TO BLAKE CONTRACTOR _____ KIND OF PAVEMENT _____

Sta.	Width	Dist.	Av. Width	Area	Square Yards Pavement	End Area At Station	End Area Area	Dist.	Av. Area	Volume	Cubic Yards Excavation
						0+50	3				
						0+85	2	30	2.5	75.0	2.78
						1+00	5	15	3.5	52.5	1.94
						1+35	20	35	12.5	250.0	9.26
						1+50	25	15	22.5	337.5	12.50
						1+85	37	35	31	1085	40.19
						2+00	37	15	37	555	20.56
						2+35	38	35	37.5	1312.5	48.61
						2+50	44	15	41	615	22.78
						2+85	54	35	49	1715	63.52
						3+00	57	15	55.5	832.5	30.83
						3+15.33	56	15.33	56.5	866.15	32.08
						3+35	53	19.67	54.5	1066.67	39.50
						3+50	54	15	53.5	802.5	29.72
						3+82.04	56	32.04	55	1762.2	65.27
						4+00	51	17.96	53.5	960.86	35.59
						4+48.75	41	48.75	46	2242.96	83.07
						5+00	62	51.24	51.5	2638.86	97.74
						5+50	56	50	59	2950	109.26
						6+00	58	50	57	2850	105.56
						6+51.26	52	51.26	55	2819.3	104.42
						6+56.76	45	5.5	48.5	266.75	9.88
						6+75.76	25				
						6+88.83	23	31.99	24	767.76	28.44
						7+20.76	36	32.01	29.5	944.30	34.98
						7+20.76	47				
						7+26.76	40	5.5	43.5	239.25	8.86
						7+50	34	23.74	37	878.38	32.53
						8+00	53	50	43.5	2175	80.56
						8+50	82	50	67.5	3375	125
						9+00	74	50	78	3900	144.44
						9+50	55	50	64.5	3225	119.44
						10+00	54	50	54.5	2725	100.93
						10+11.26	58	11.26	56	630.56	23.35
						10+16.76	58	5.5	58	319	11.81
										TOTAL	

ER
R

SHEETS 1-5 EXCAVATION QUANTITIES

TONS FINES ~ CALC. @ 40#/SY = 256.3 (USE TICKETS = 272.92)

PROP~ 240
CITY~ 16

→ 965.06 CY

→ 63.42 CY

EXCAV.
PROP~ 12,034 ÷ 12,818 x 6482 = 6,086 CY
CITY~ 784 ÷ 12,818 x 6,482 = 396 CY

→ 666.92 CY

	Steel	Square Yards Pavement	Int. Cb.	C & G	6" Dr.	Cubic Yards Excavation
Property						
City						
Totals						6,482.4

Measured By
Date
Book No.
Finaled By

Eng. Est. $

11/18

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Project No. 472-76-245-81038-000-000-001

Sheet No. 2.

MEASURED QUANTITIES FOR FINAL ESTIMATES ON PAVING

Form 192-066

STREET NAME _____ FROM _____ TO _____ CONTRACTOR _____ KIND OF PAVEMENT _____

Sta.	Width	Dist.	Av. Width	Area	Square Yards Pavement	End Area At Station	End Area Area	Dist.	Av. Area	Volume	Cubic Yards Excavation
						10+16 76	26				
				3 (undet.)		13+18 76	31	32	27.5	880	32.59
						10+80 76	27	32	29	928	34.37 → 66.96 CY
						10+80 76	71				
						10+86 20	68	5.5	69.5	382.25	14.16
						11+00	66	13.74	67	920.58	34.10
						11+59 29	73	59.29	69.5	4120.66	152.62
						12+00	66	40.71	59.5	2422.25	89.71
						12+50	35	50	40.5	2025	75.0
						13+00	25	50	30	1500	55.56
						13+50	53	50	39	1950	72.22
						13+89 60	70	39.6	61.5	2435.4	90.2
						14+00	71	10.4	70.5	733.2	27.16
						14+50	47	50	59	2950	109.26
						14+78 58	47	28.58	47	1343.26	49.75
						15+00	62	21.42	54.5	1167.39	43.24
						15+50	44	50	53	2650	98.15
						16+00	43	50	43.5	2175	80.56
						16+50	70	50	56.5	2825	104.63
						17+00	85	50	77.5	3875	143.52
						17+50	76	50	80.5	4025	149.07
						18+00	75	50	75.5	3775	139.81
						18+50	63	50	69	3450	127.78
						19+00	67	50	65	3250	120.37
						19+50	63	50	65	3250	120.37
						20+00	47	50	55	2750	101.85
						20+50	23	50	35	1750	64.81
						21+00	8	50	15.5	775	28.70
						21+22 98	7	22.98	7.5	172.35	6.38 → 2098.98 CY

Measured By	
Date	
Book No.	
Finaled By	

Eng. Est. $

	Steel	Square Yards Pavement	Int. Cb.	C & G	6" Dr.	Cubic Yards Excavation
Property						
City						
Totals						

12/18

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Sheet No. 5

Project No. 172-76-245-81028-000-000-001

Form 192-066

MEASURED QUANTITIES FOR FINAL ESTIMATES ON PAVING

STREET NAME FLEE COURT FROM _____ TO _____ CONTRACTOR MAJOR INC. KIND OF PAVEMENT 7" PCC W/5" BIT

Sta.	Width	Dist.	Av. Width	Area	Square Yards Pavement
SQ. YDS. 7" PCC W/5" BIT (PROP.)					
0+33 B	30.0				
3+29 B	30.0	307.0	30.0		
		24.2	X 12.65		
		23.6	X 12.75		
	+	.5	X 16.8	X 7.3	
	+	.5	X 17.4	X 7.5	
	+	.67	25 X 26.5	X 2.8	
	+	.67	25 X 25.8	X 3.7	
	−	.67	13 X 18.2	X 1.7	
	−	.66	90 X 18.8	X 1.2	
	+	2	X 9.6		
	+	.5π	(33.0)²		
		11,716.999			1,301.9 SY.
SQ. YDS. MANIP. (PROP.)					
		1	X 11,716.999		
		3.17	X 73	1.9	
		14,0	37.122		1,559.7 SY.
SQ. YDS. 2½" BIT. BASE					
		2.67	X 73	1.9 ÷ 9 =	217.1 SY.

End Area At Station	End Area Area
0+25.97	30
0+50	55
1+11.83	40
1+50	47
2+00	49
2+50.	61
2+97.91	48
3+00	51
3+12.91	67
3+25.91	84
3+32.60	84
3+50	90
3+54.160	91
3+78.160	21
3+78.80	5
3+88.30	0

Dist.	Av. Area	Volume	Cubic Yards Excavation
14.03	57.5	736.58	27.28
61.83	67.5	2936.93	108.78
38.17	43.5	1660.40	61.50
50	48	2400	88.89
50	55	2750	101.85
47.91	54.5	2611.09	96.71
2.09	49.5	103.46	3.83
12.91	59	761.69	28.21
13	75.5	981.5	36.35
12.69	84	1065.96	39.48
11.4	87	991.8	36.73
4.60	91	418.6	15.50
19	56.5	1073.5	39.80
.20	13	2.6	0.096
14.5	2.5	36.25	1.34

→ 686.35 CY

	Measured By	GREENE
	Date	SEPT 82
	Book No.	11-T
	Finaled By	TATE

Eng. Est. $

	SQ. YDS MANIP	SQ YD 2½ BIT			Square Yards 7" Pavement	Int. Cu.	C & G Base		Cubic Yards Excavation									
Property	1,559.7	217.1			1,301.9		731.9											
City	~	~			~		~										13	
Totals																	78	

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Project No. 472-76-245-81028-000·000·001

Sheet No. 4

Form 192-066

MEASURED QUANTITIES FOR FINAL ESTIMATES ON PAVING

STREET NAME LINDEN CIRCLE FROM _____ TO _____ CONTRACTOR MAJOR LNG KIND OF PAVEMENT 7" PCC

Sta.	Width	Dist.	Av. Width	Area	Square Yards Pavement
SQ YDS. 7" PCC W/ 5" BIT (PROP					
0+32	30.0				
5+29	30.0	487.6	30.0		
	+	.5π (33.0)²			
	+	.2x0.96			
	+	.5x52.0x36.0			
	+	.6795x30.7x5.0			
	−	.6795x25.7x4.0			
		17,657.805			1,962.0 SY
SQ YDS. MANIP. (PROP)					
		1x17,657.805			
		3.17x1,120.4			
		21,209.473			2,356.6 SY
SQ YDS 2½" BIT (PROP)					
		2.67x1,120.4÷9 = 332.4 SY			

Find Area At Station	Area
0+35.93	135
0+50	76
1+00	105
1+08.09	98
1+50	56
2+00	68
2+50	67
3+00	72
3+50	62
4+00	55
4+50	60
4+77.96	64
4+84	74
4+92.96	96
5+00	111
5+05.96	112
5+29.88	102
5+40.58	105
5+50	94
5+64.08	76
5+64.58	60
5+79.58	-

Dist.	Av. Area	Volume	Cubic Yards Excavation
14.07	105.5	1484.39	54.98
50	90.5	4525	167.59
8.09	101.5	821.14	30.41
41.91	77	3227.07	119.52
50	62	3100	114.81
50	67.5	3375	125.0
50	69.5	3475	128.7
50	67	3350	124.07
50	58.5	2925	108.33
50	57.5	2875	106.48
27.96	62	1733.52	64.2
6.04	69	416.76	15.44
8.96	85	761.6	28.21
7.04	103.5	728.64	26.99
5.96	111.5	664.54	24.61
23.62	107	2527.34	93.61
16	103.5	1656	61.33
4.42	99.5	439.79	16.29
14.08	85	1196.8	44.33
0.5	68.5	34.25	1.27
15	30.5	457.5	16.94

→ 1673.11 CY

	SQ. YDS. MANIP.	2½" BIT	Square Yards 7" Pavement PCC	Int. Cb.	C & G	HEDGE REMOV.	Cubic Yards Excavation										
Property	2,356.6	332.4	1,962.0		1,120.4	0							QB HD 1				
City	~	~	~		~	~							~				
Totals																	14/18

Eng. Est. $

Measured By	GREENE
Date	SEPT 82
Book No.	11-T
Finaled By	TATE

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Sheet No. 5

Project No. 472-76-245-81028-000-000-001

Form 192-066

MEASURED QUANTITIES FOR FINAL ESTIMATES ON PAVING

STREET NAME _____ FROM _____ TO _____ CONTRACTOR _____ KIND OF PAVEMENT _____

Sta.	Width	Dist.	Av. Width	Area	Square Yards Pavement	End Area At Station	End Area Area	Dist.	Av. Area	Volume	Cubic Yards Excavation
						6+56.76	28.3				
						6+70.59	39.5	13.83	33.9	468.83	17.36
						6+88.76	35.75	18.17	37.63	683.65	25.32
						7+06.93	39.55	18.17	37.65	684.10	25.34
						7+20.76	28.75	13.83	34.15	472.29	17.49
						10+16.76	29.42				
						10+30.59	48.17	13.83	32.80	536.53	19.87
						10+48.76	48.67	18.17	48.42	879.79	32.58
						10+66.93	53.43	18.17	51.05	927.58	34.35
						10+80.76	32.38	13.83	42.91	593.38	21.98

$ BLAKE - BLAKE COURT (CITY)

85.5 CY + .83 % + 1.55 = 86.88 CY

$ @ BLAKE - LINDEN CIRCLE (CITY)

108.78 CY + .9% + 1.07 = 110.81 CY

	Steel	Square Yards Pavement	Int. Cb.	C & G	6" Dr.	Cubic Yards Excavation
Property						
City						
Totals						

Measured By	
Date	
Book No.	
Finaled By	

Eng. Est. 1

15/18

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Project No. 472-76-245-8628-000-000-001

Sheet No. 6

MEASURED QUANTITIES FOR FINAL ESTIMATES ON PAVING

Form 192-066

STREET NAME CAPRI - RIVE - CYPRESS FROM _____ TO _____ CONTRACTOR MAJOR KIND OF PAVEMENT 7" AC W/ 5" BIT

Sta.	Width	Dist.	Av. Width	Area	Square Yards Pavement
SQ. YDS. 7" AC (5" BIT) PROP					
0+50	30.0				
21+24	30.0	2,074.35	30.0		
		− 2X15.0X64.0			
		+ 2X0.26			
		60,312.420		6,701.4 SY	
SQ. YDS. 7" V.C. (PROP)					
		2X13.58			
		27.160		3.0 SY	
SQ. YDS. MANIP (PROP)					
		1X60,312.42			
		1X27.160			
		3.17	4,010.7		
		0.67X10.0			
		73,060.190		8,117.8 SY	
SQ. YDS. 2½" BIT. (PROP)					
		2.6 7X4,010.7			
		÷9	=	1,189.8 SY	

End Area	
At Station	Area
0+50	34
0+86	28
1+00	28
1+35	16
1+50	13
1+85	7
2+00	7
2+35	6
2+50	5
2+85	4
3+00	3
3+15.33	3
3+35	4
3+50	3
3+82.04	1
4+00	2
4+26.76	2
5+00	0
7+20.76	1
7+26.26	2
7+50	4
8+00	0
9+50	0
10+00	1
10+11.26	0
11+59.29	0
12+00	2
12+50	7
13+00	7
13+50	0

Dist.	Av. Area	Volume	Cubic Yards Excavation
35	36	1260	46.67
15	33	495	18.33
35	22	770	28.52
15	14.5	217.5	8.06
30	10	300	11.11
15	7	105	3.89
15	6.5	97.5	3.61
15	5.5	82.5	3.06
35	4.5	157.5	5.83
15	3.5	52.5	1.94
15.33	3	45.99	1.70
19.67	3.5	68.85	2.55
15	3.5	52.5	1.94
32.04	2.0	64.08	2.37
17.96	1.5	26.94	.99
48.76	2	97.52	3.61
51.24	1	51.24	1.89
5.5	1.5	8.25	.31
23.74	2.0	47.48	1.76
50	2.0	100.0	3.70
50	.5	25.0	.93
11.26	.5	5.63	.21
40.71	1.0	40.71	1.51
50	4.5	45.5	1.69
50	7	350	12.96
50	3.5	175	6.48

SHEET 6-7 FILL MATERIAL

360 LF HEDGE REM } HG. PEK. } SEE BP
180 LF DITCHING } SCHELLER } OUTSIDE

→ 146.07 C.Y.

→ 5.77 C.Y.

→ 1.14 C.Y.

→ 22.64 C.Y.

Measured By	GREENE
Date	SEPT 82
Book No.	11-T
Finaled By	TATE

	SQ. YDS. MANIP	5" AC H.U.	SQ. YDS. 2½" BIT.	7" V.C.	3" P.C.	Square Yards 7" Pavement Rec.	Int. Cb.	C & G Excl.	HEDGE REMOV.	Cubic Yards Excavation	4" WALK		16" RCP	C.B H.U.	L.G. TRANS	SM RCP			
Property	8,117.8	0	1,189.8	3.0	0	6,701.4	10.0	4,010.7	360		8,649		0	7	4	3			
City	783.8	376.0	13.1	91.8	146.2	294.2	44.2	44.2	0		0		128	0	0	0			
Totals				94.8			54.2		360										16/18

Eng. Est. ↓

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Project No. 472-76-245-81028-000-000-001

Sheet No. 7

MEASURED QUANTITIES FOR FINAL ESTIMATES ON PAVING

Form 192-066

STREET NAME COPPI-BLAKE-CYPRESS FROM _____ TO _____ CONTRACTOR _____ KIND OF PAVEMENT _____

Sta.	Width	Dist.	Av. Width	Area	Square Yards Pavement	End Area At Station	End Area Area	Dist.	Av. Area	Volume	Cubic Yards Excavation
						18+00	0				
						18+50	3	50	1.5	75	2.78
						19+00	0	50	1.5	75	2.78
						19+50	1	50	0.5	25	.93
						20+00	5	50	3.0	150	5.56
						20+50	7	50	6.0	300	11.11
						21+00	18	50	12.5	625	23.15
						21+22.98	22	22.98	20	459.5	17.02
											→ 63.33 CY
				BLAKE COURT		0+35.97	4				
						0+50	2	14.03	3.0	42.09	1.56
						1+11.83	4	61.83	3.0	185.49	6.87
						1+50	1	38.17	2.5	95.43	3.53
						2+00	1	50	1	50	1.85
						2+50	0	50	.5	25	.93
						2+97.91	1	47.91	.5	23.96	.89
						3+00	1	2.09	1	2.09	.08
						3+12.91	0	12.91	0.5	6.46	.24
						3+54.60	0	19	2.5	47.5	1.76
						3+73.60	5	.2	5	1.0	.04
						3+73.80	5	14.5	18.5	268.25	9.93
						3+88.3	32				
				LINDEN CIRCLE		1+08.09	0				
						1+50	1	41.91	.5	20.96	.78
						2+00	0	50	.5	25	.93
						5+64.58	0				
						5+79.58	67	15	22.5	502.5	18.61
											→ 48.0 SY

286.95 CY FILL MAT'L.

Measured By	
Date	
Book No.	
Finaled By	

Eng. Est.

	Steel	Square Yards Pavement	Int. Cb.	D & G	6" Dr.	Cubic Yards Excavation
Property						
City						
Totals						

17/18

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TATE
SEPT 82

STATEMENT OF COST

FOR CONSTRUCTION OF: CAPRI, BLAKE & CYPRESS, BL. IN HEDGECLIFF 2ND ADDN

PROJ. NO. 412.76245810280.000.000.01

P.E. 303,089.00

NAH

WORKING DAYS OK

QUANTITIES PROP.	QUANTITIES CITY	QUANTITIES TOTAL	UNIT PRICE	CONSTRUCTION ITEM	COSTS 92% PROP.	COSTS 7% CITY	COSTS TOTAL
9,965	294	10,259	12.00	SQ YDS 7" BC PVMT W/6" BIT BASE	119,580.00	3528.00	123,108.00
3	92	95	22.00	SQ YDS 7" VG. (5" CONC-2" BIT)	66.00	2,024.00	2,090.00
1,739	13	1,752	5.25	SQ YDS 2½" BITUMINOUS BASE	9,129.75	68.25	9,198.00
5,863	44	5,907	5.50	LIN FT ROLL COMB. CURB & GUTTER	32,246.50	242.00	32,488.50
10	44	54	4.00	LIN FT INTEGRAL CURB	40.00	176.00	216.00
6,086	396	6482	1.00	CU YDS EXCAVATION	6,086.00	396.00	6,482.00
12,034	784	12,818	0.90	SQ YDS MANIPULATION	10,830.60	705.60	11,536.20
8,649	0	8,649	2.00	SQ FT 4" WALK	17,298.00	0.00	17,298.00
360	0	360	8.00	LIN FT HEDGE REMOVED	2,880.00		2,880.00
4	0	4	100.00	LARGE TREES REMOVED	400.00		400.00
3	0	3	50.00	SMALL TREES REMOVED	150.00		150.00
8	0	8	75.00	INLET HOOK-UPS (TYPE "7-A")	600.00	0.00	600.00
0	376	376	14.00	SQ YDS 5" B.C. HOOK-UP	0.00	5,264.00	5,264.00
0	146	146	7.00	SQ YDS 3" ASPH. CONC.	0.00	1,022.00	1,022.00
0	128	128	20.00	LIN FT 18" RCP	0.00	2,560.00	2,560.00
240	16	256	40.00	TONS PREHEATER FINES	9,600.00	640.00	10,240.00
0	180	180	2.00	LIN FT DITCHING	0.00	360.00	360.00
				SUB-TOTAL	209,006.85	16,985.85	225,892.70
				ENGINEERING AND INSPECTION	37,970.15	3078.66	41,048.81
				ADMINISTRATION	2552.01	206.92	2758.93
				STREET NAME SIGNS		269.94	269.94
				PUBLICATION	97.78		97.78
				ABSTRACTING	19.00		19.00
				CONSTRUCTION COST	249,545.79	20,541.37	270,087.16
				TEMP. NOTE INT.	19,358.68	1569.62	20,928.30
6/83				TOTAL COST	268,704.47	22,110.99	291,015.46

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