

STREETS IN PRAIRIE PARK SECOND ADDITION

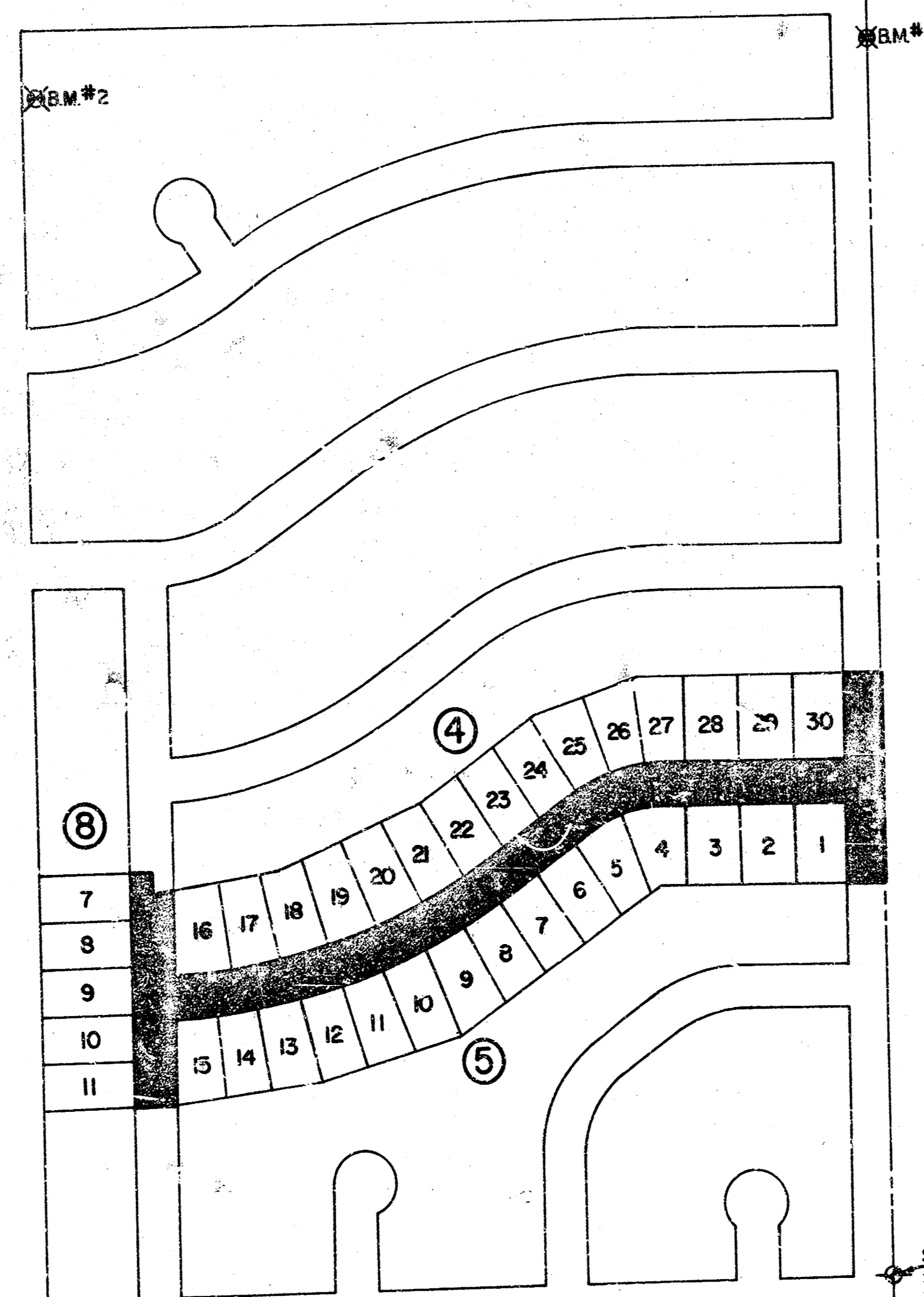
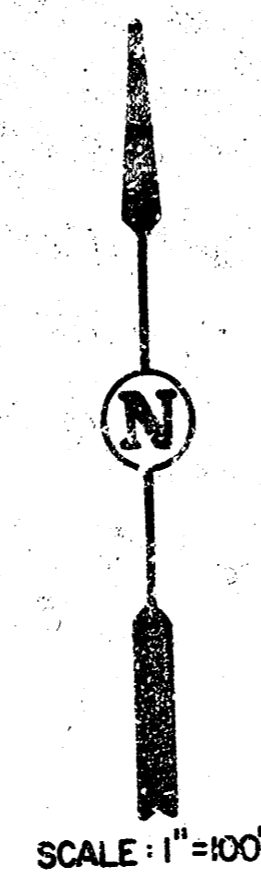
PROJECT NO.

472-76-245-81053-000-000-001

CITY OF WICHITA, KANSAS
R. W. BRUGGEMAN, CITY ENGINEER

PROJECT LIMITS

DORA - FROM E.L. DENENE TO W.L. CARRWOOD DRIVE
DENENE - FROM S.L. OF LOT 11, BLK. 8 B. S.L. OF LOT 15, BLK. 5 TO
N.L. LOT 7, BLK. 8 & N.L. LOT 16, BLK. 4
CARRWOOD DRIVE - FROM S.L. OF LOT 1, BLK. 5 TO N.L. OF LOT 30, BLK. 4



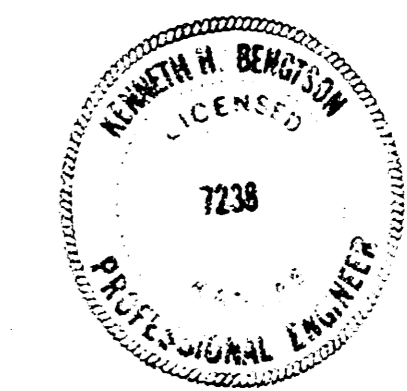
BENCH MARKS

B.M. 1: R.R. Spk. on W. face
of elm at N.E. Corner
of Prairie Park 2nd Add.
Elev. = 131.39

B.M. 2: Stip. Spk. on S.E. face
of 1st pp. S. of
hedge on E. R/W.
Elev. = 138.25

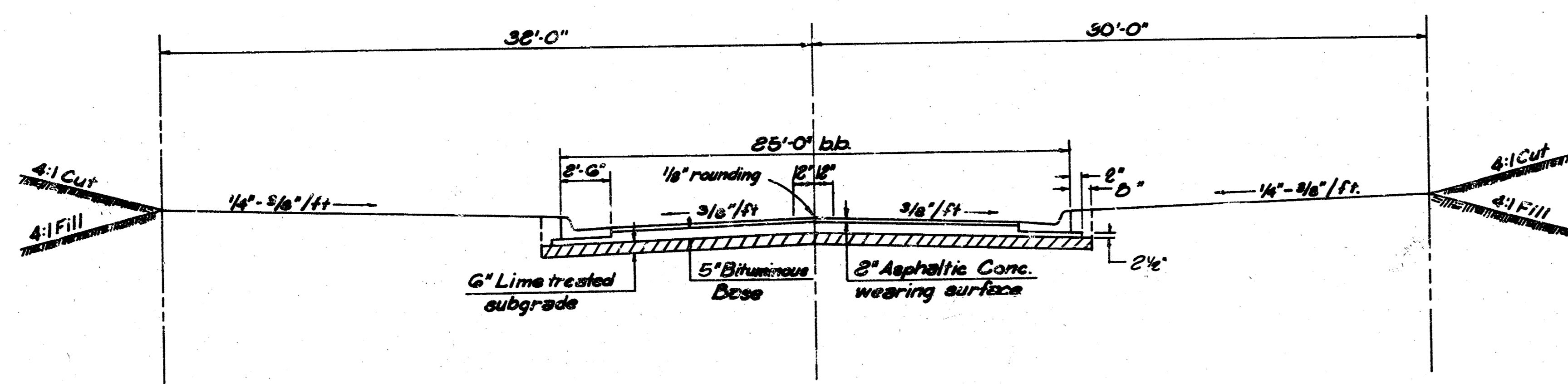
INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PAVING DETAILS
3	DENENE
4-5	DORA
6	CARRWOOD DRIVE
7-7A	STORM DRAINAGE
8-10	CROSS SECTIONS

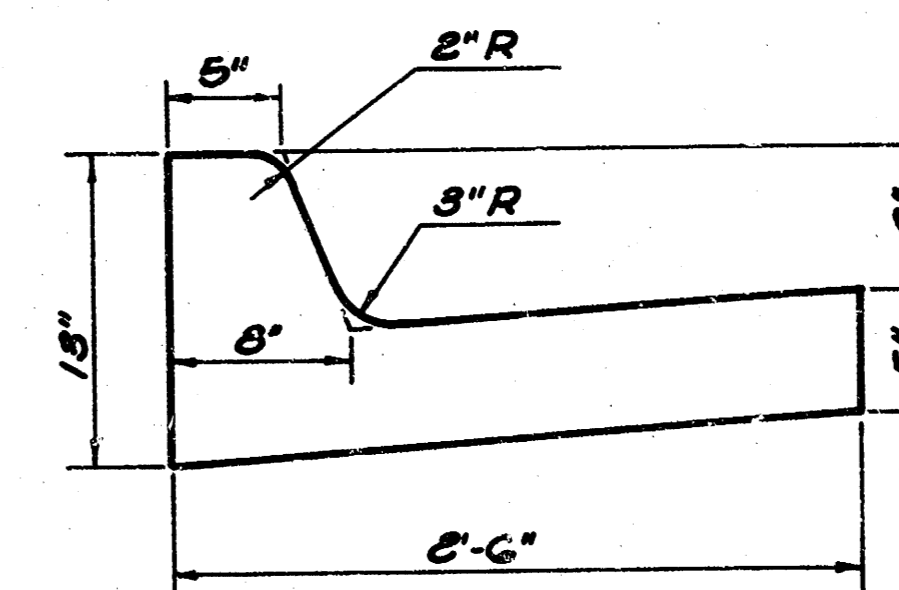


Van Doren Hazard Stallings
Architects - Engineers - Planners
Topeka - Wichita - Minneapolis - Kansas City

Sheet 1
of 11



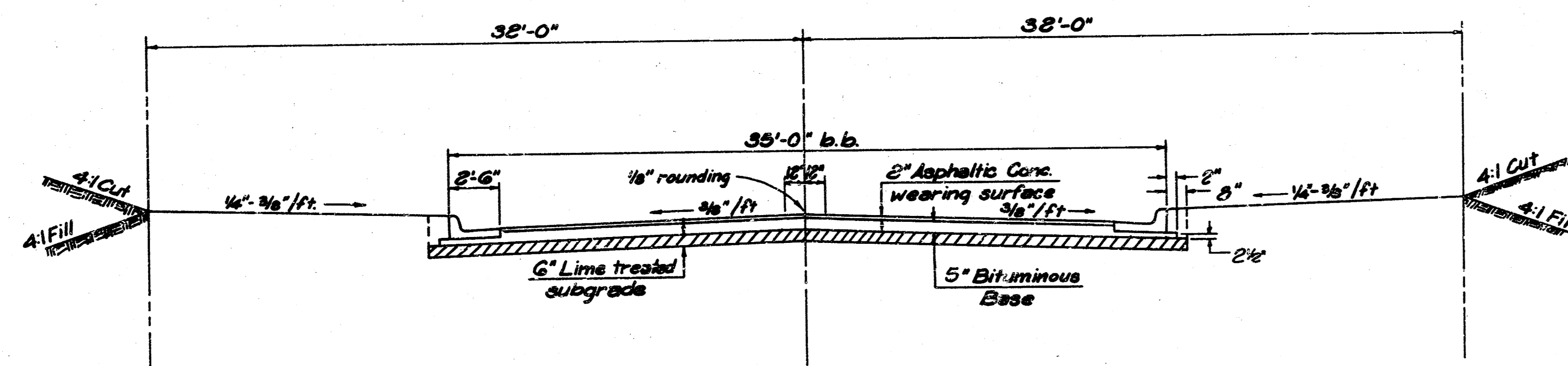
Typical 25'-0" b.b. Section



Combined Curb & Gutter

General Notes

1. A Tack Coat of Emulsified Asphalt (SS - 1H) shall be applied at an approximate rate of 0.05 gallons per square yard between lifts of asphaltic materials when ordered by the Engineer. Tack Coat will not be paid for directly and shall be considered as subsidiary to price bid for Asphaltic Pavement.
2. 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 foot with joints in preceding lifts and such that a joint will be constructed on the pavement centerline in the top lift.
3. The A.C. Pavement between combined curb and gutter shall be paid as square yards, 7" A.C. Pavement (5" Bituminous Base). The Bituminous Base under the combined curb and gutter shall be paid as square yards, 2 1/2" Bituminous Base.
4. Contraction Joints may be constructed in Integral Curb by sawing with an approved concrete saw. The saw shall extend through the curb to the pavement. Sawed Contraction Joints shall have a maximum spacing of 15'.
5. No Driveways are to be constructed as a part of this contract without authorization from Construction Engineer, Wichita, Kansas.
6. 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 operations. Such irons shall be re-established by a licensed land surveyor or a licensed professional engineer in accordance with state laws.



Typical 35'-0" b.b. Section

Paving Details		Design
		Drawn by D.L.
Ven Doren - Hazard - Stallings		Checked by
		Date June, 1981
Architects • Engineers • Planners Wichita, Kansas		Job No. 81-222
		Sheet 2
of 11		

PRAIRIE PARK 2ND ADDITION STREETS
 DORA AVENUE
 PROJECT NO:
 472-76-245-81053-000-000-001

Revised: Oct. 26, 1981
 Pq

PLAN-DORA AVE.
 SCALE 1"=20'

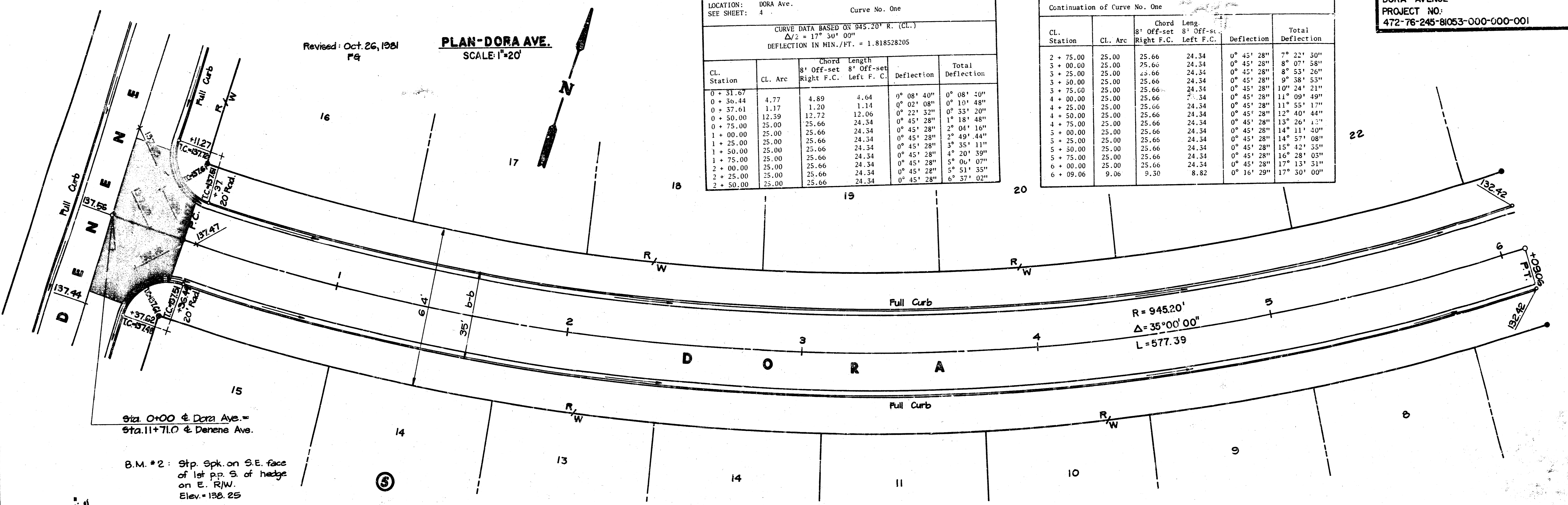
LOCATION: DORA Ave. Curve No. One
 SEE SHEET: 4

CURVE DATA BASED ON 945.20' R. (CL.)
 $\Delta/2 = 17^\circ 30' 00''$
 DEFLECTION IN MIN./FT. = 1.818528205

CL. Station	CL. Arc	Chord Length		Deflection	Total Deflection
		8' Off-set Right F.C.	8' Off-set Left F.C.		
0 + 31.67				0° 08' 40"	0° 08' 40"
0 + 36.44	4.77	4.89	4.64	0° 02' 08"	0° 10' 48"
0 + 37.61	1.17	1.20	1.14	0° 22' 32"	0° 33' 20"
0 + 50.00	12.39	12.72	12.06	0° 45' 28"	1° 18' 48"
0 + 75.00	25.00	25.66	24.34	0° 45' 28"	2° 04' 16"
1 + 00.00	25.00	25.66	24.34	0° 45' 28"	2° 49' 44"
1 + 25.00	25.00	25.66	24.34	0° 45' 28"	3° 35' 11"
1 + 50.00	25.00	25.66	24.34	0° 45' 28"	4° 20' 39"
1 + 75.00	25.00	25.66	24.34	0° 45' 28"	5° 06' 07"
2 + 00.00	25.00	25.66	24.34	0° 45' 28"	5° 51' 35"
2 + 25.00	25.00	25.66	24.34	0° 45' 28"	6° 37' 02"
2 + 50.00	25.00	25.66	24.34	0° 45' 28"	7° 22' 30"

Continuation of Curve No. One

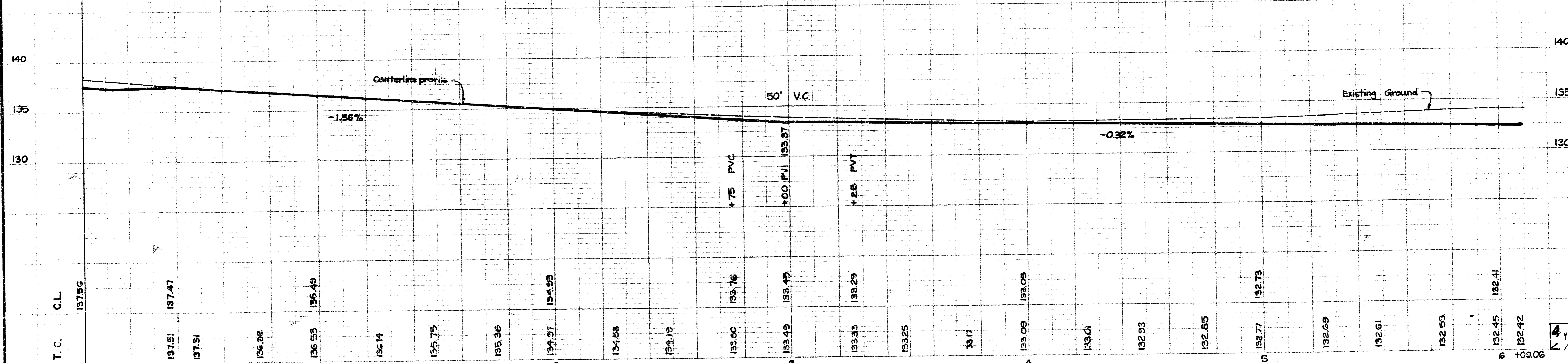
CL. Station	CL. Arc	Chord Length		Deflection	Total Deflection
		8' Off-set Right F.C.	8' Off-set Left F.C.		
2 + 75.00	25.00	25.66	24.34	0° 45' 28"	7° 22' 30"
3 + 00.00	25.00	25.66	24.34	0° 45' 28"	8° 07' 58"
3 + 25.00	25.00	25.66	24.34	0° 45' 28"	8° 53' 26"
3 + 50.00	25.00	25.66	24.34	0° 45' 28"	9° 38' 53"
3 + 75.00	25.00	25.66	24.34	0° 45' 28"	10° 24' 21"
4 + 00.00	25.00	25.66	24.34	0° 45' 28"	11° 09' 49"
4 + 25.00	25.00	25.66	24.34	0° 45' 28"	11° 55' 17"
4 + 50.00	25.00	25.66	24.34	0° 45' 28"	12° 40' 44"
4 + 75.00	25.00	25.66	24.34	0° 45' 28"	13° 26' 12"
5 + 00.00	25.00	25.66	24.34	0° 45' 28"	14° 11' 40"
5 + 25.00	25.00	25.66	24.34	0° 45' 28"	14° 57' 08"
5 + 50.00	25.00	25.66	24.34	0° 45' 28"	15° 42' 35"
5 + 75.00	25.00	25.66	24.34	0° 45' 28"	16° 28' 03"
6 + 00.00	25.00	25.66	24.34	0° 45' 28"	17° 13' 31"
6 + 09.06	9.06	9.50	8.82	0° 16' 29"	17° 30' 00"



Sta. 0+00 @ Dora Ave. =
 Sta. 11+71.0 @ Denene Ave.

B.M. #2: Stp. Spk. on S.E. face
 of 1st p.p. S. of hedge
 on E. R/W.
 Elev. = 138.25

PROFILE-DORA AVE.
 HORIZ. SCALE: 1"=20'
 VERT. SCALE: 1"=5'

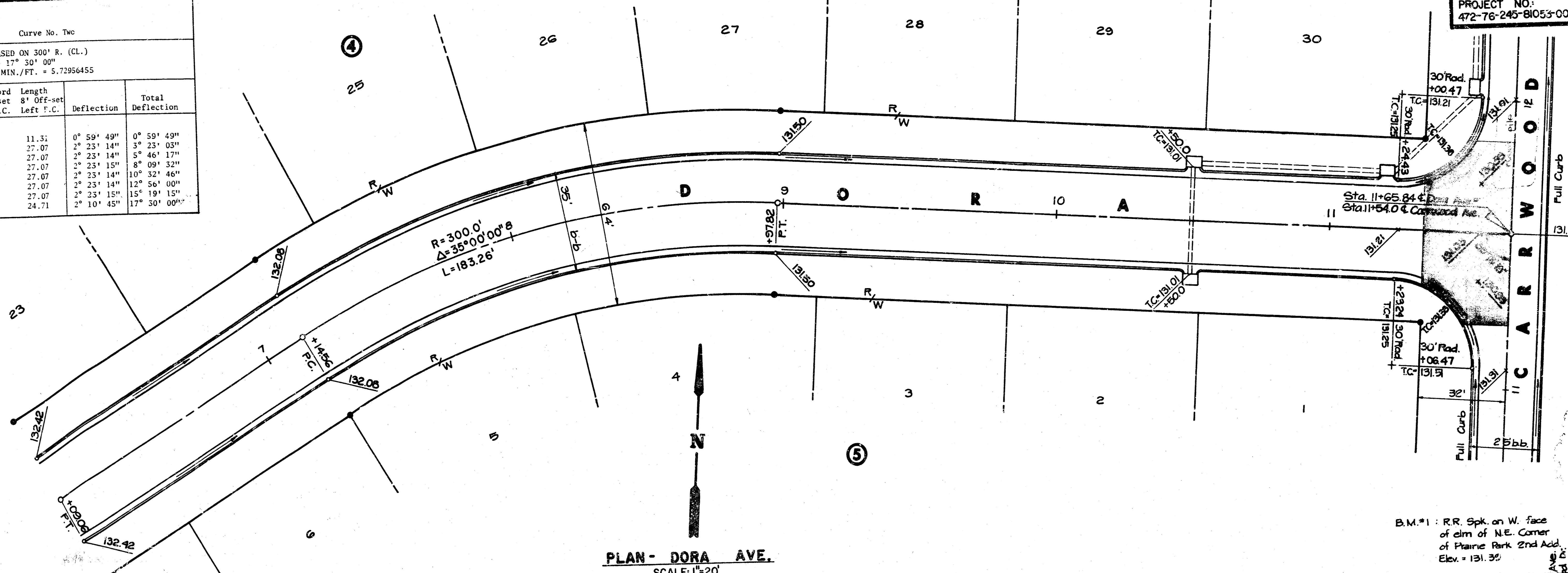


PRAIRIE PARK 2ND ADDITION STREETS
 DORA AVENUE
 PROJECT NO:
 472-76-245-B1053-000-000-001

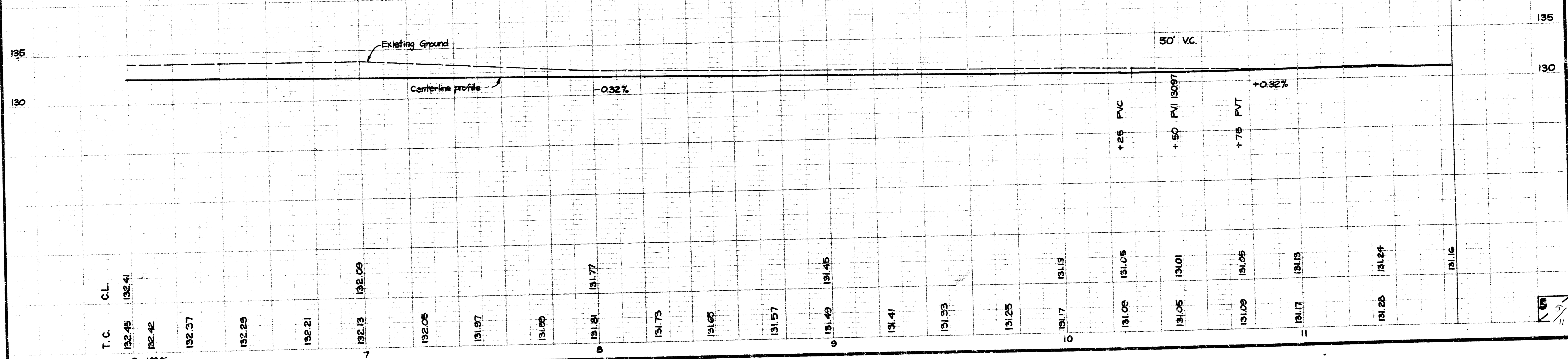
LOCATION: DORA Ave. Curve No. Two
 SEE SHEET: 5

CURVE DATA BASED ON 300' R. (CL.)
 $\Delta/2 = 17^{\circ} 30' 00''$
 DEFLECTION IN MIN./FT. = 5.72956455

CL. Station	CL. Arc	Chord Length	8' Off-set Right F.C.	8' Off-set Left F.C.	Deflection	Total Deflection
7 + 14.56					0° 59' 49"	0° 59' 49"
7 + 25.00	10.44	9.57	11.51		2° 23' 14"	3° 23' 05"
7 + 50.00	25.00	22.91	27.07		5° 23' 14"	8° 46' 17"
7 + 75.00	25.00	22.91	27.07		8° 23' 15"	16° 09' 32"
8 + 00.00	25.00	22.91	27.07		11° 23' 14"	27° 32' 46"
8 + 25.00	25.00	22.91	27.07		14° 23' 14"	41° 56' 00"
8 + 50.00	25.00	22.91	27.07		17° 23' 15"	59° 19' 15"
8 + 75.00	25.00	22.91	27.07		20° 23' 15"	80° 00' 00"
8 + 97.82	22.82	20.91	24.71		2° 10' 45"	17° 30' 00"



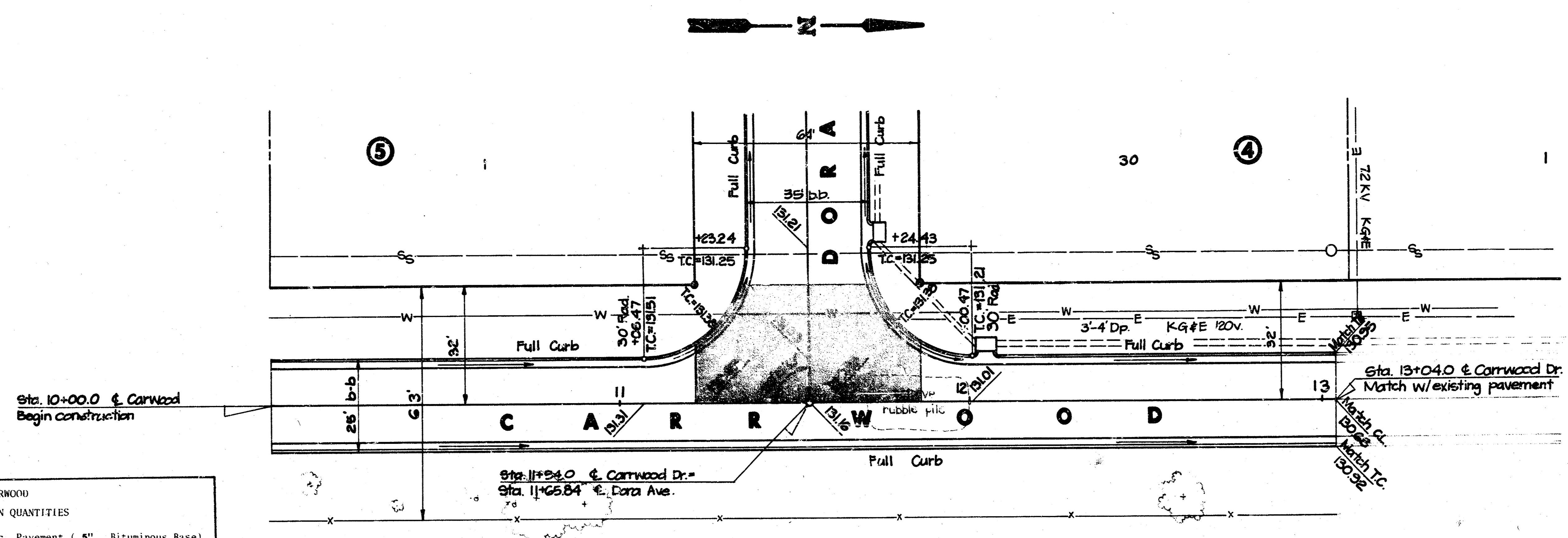
PROFILE - DORA AVE.
 HORIZ. SCALE: 1"=20'
 VERT. SCALE: 1"=5'



B.M.#1: R.R. Spk. on W. face of elm of N.E. Corner of Prairie Park 2nd Add. Elev. = 131.35

Sta. 11+65.84 & Dora Ave. Sta. 11+50.00 & Carrowood

PRARIE PARK 2ND ADDITION STREETS
 CARRWOOD
 PROJECT NO.
 472-76-245-8053-000-000-001

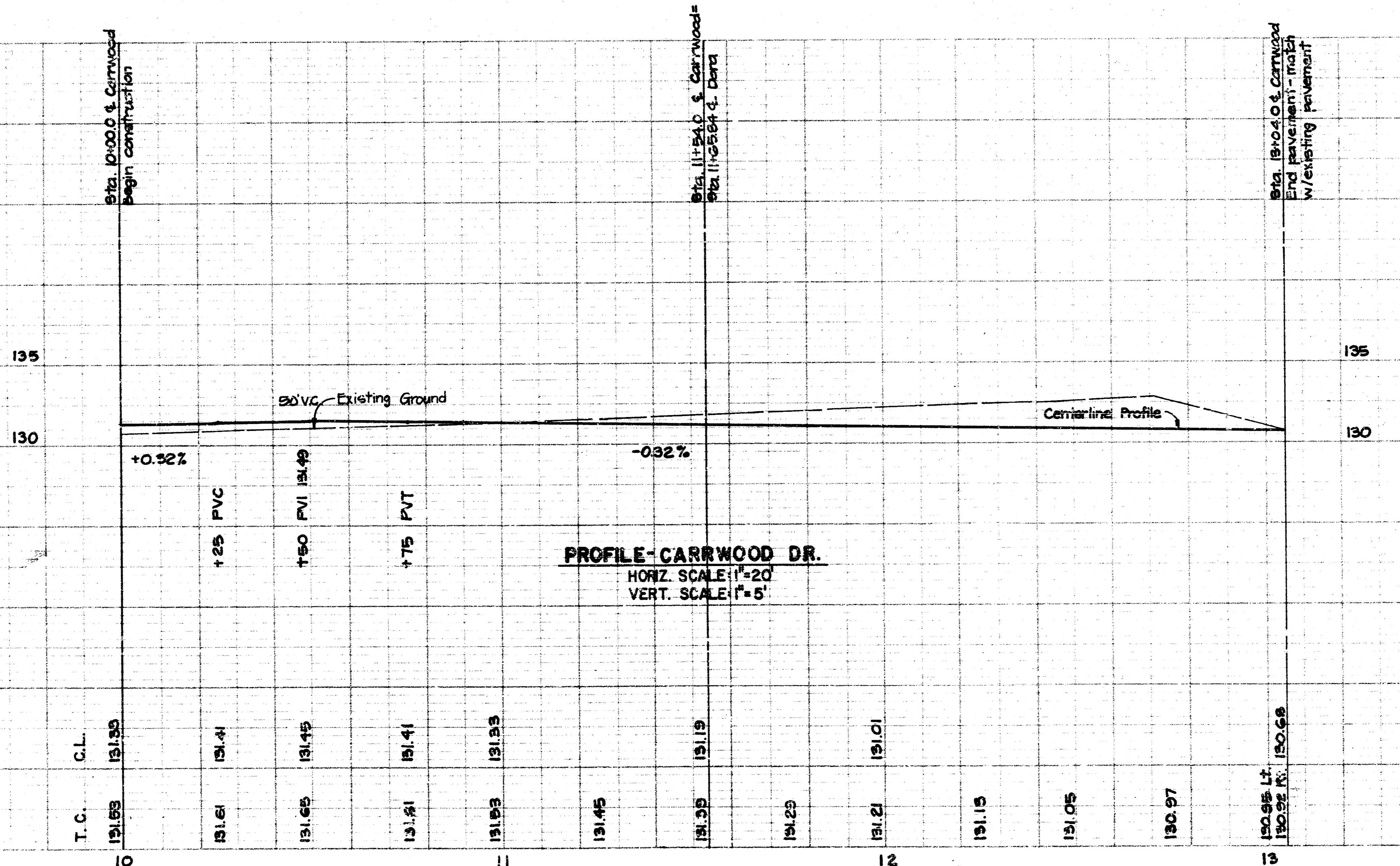


CARRWOOD
 INTERSECTION QUANTITIES

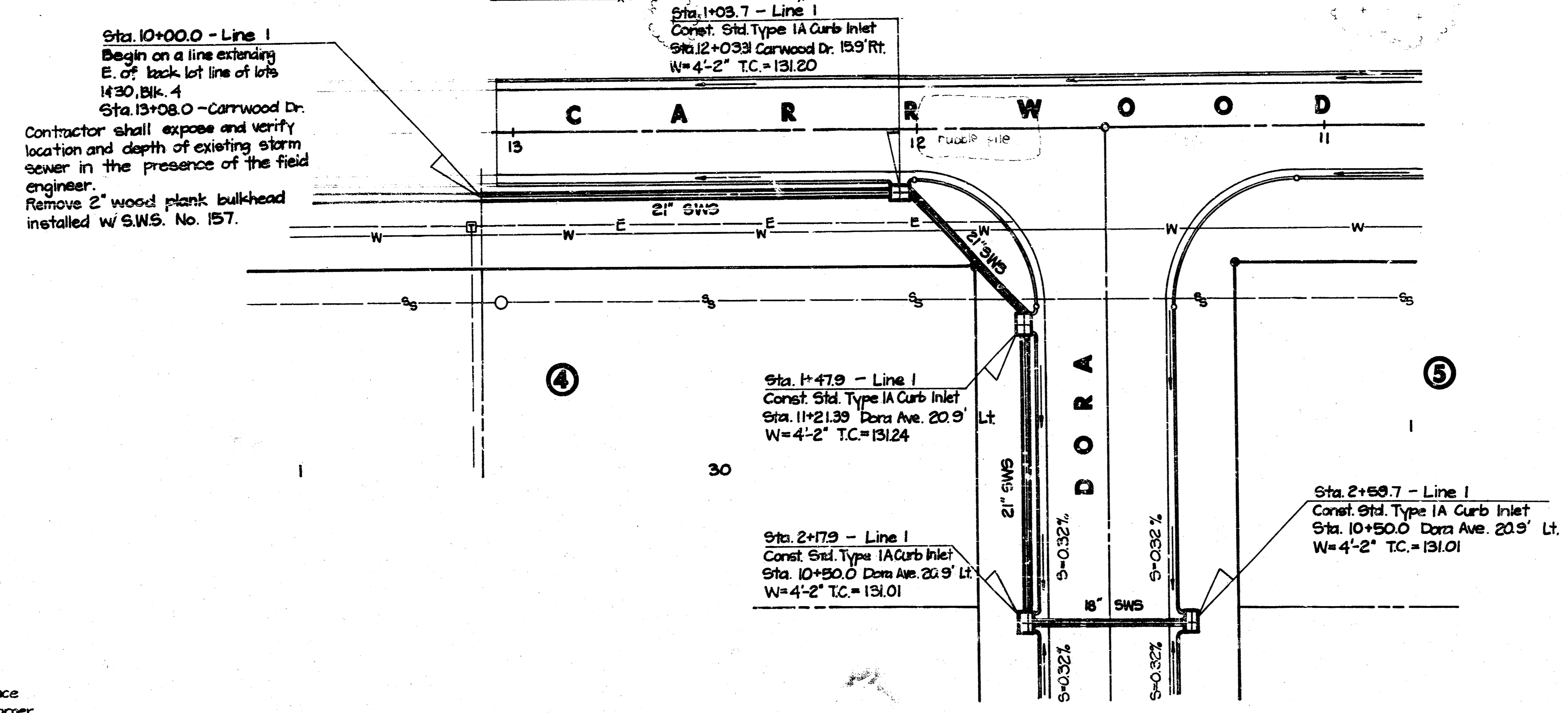
188.1	S.Y.	7"	Asphaltic Conc. Pavement (5" Bituminous Base)
15.3	S.Y.	2 1/2"	Bituminous Base
45.9	L.F.		Combined Curb & Gutter (Full)
156.2	C.Y.		Excavation
17.2	C.Y.		Compacted Fill
205.9	S.Y.		Manipulation
2.6	Tons		Line or Cement

PLAN-CARRWOOD DR.
 SCALE: 1"=20'

B.M.#1: R.R. Spk. on W. face of elm of N.E. Corner of Prairie Park 2nd Add. Elev. = 131.30



PROFILE-CARRWOOD DR.
 HORIZ. SCALE: 1"=20'
 VERT. SCALE: 1"=5'

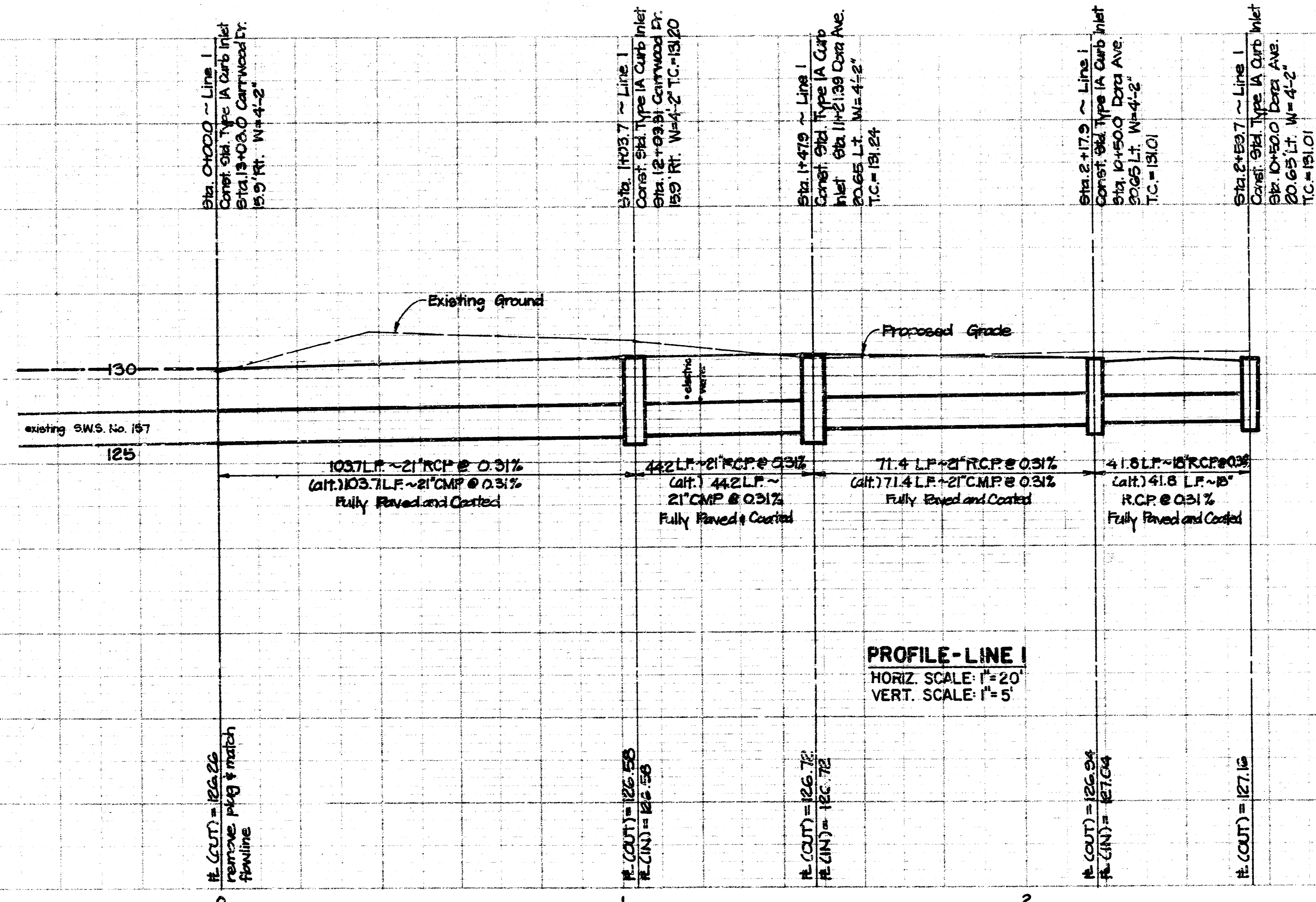


PLAN - LINE 1
SCALE: 1" = 40'

GENERAL NOTES

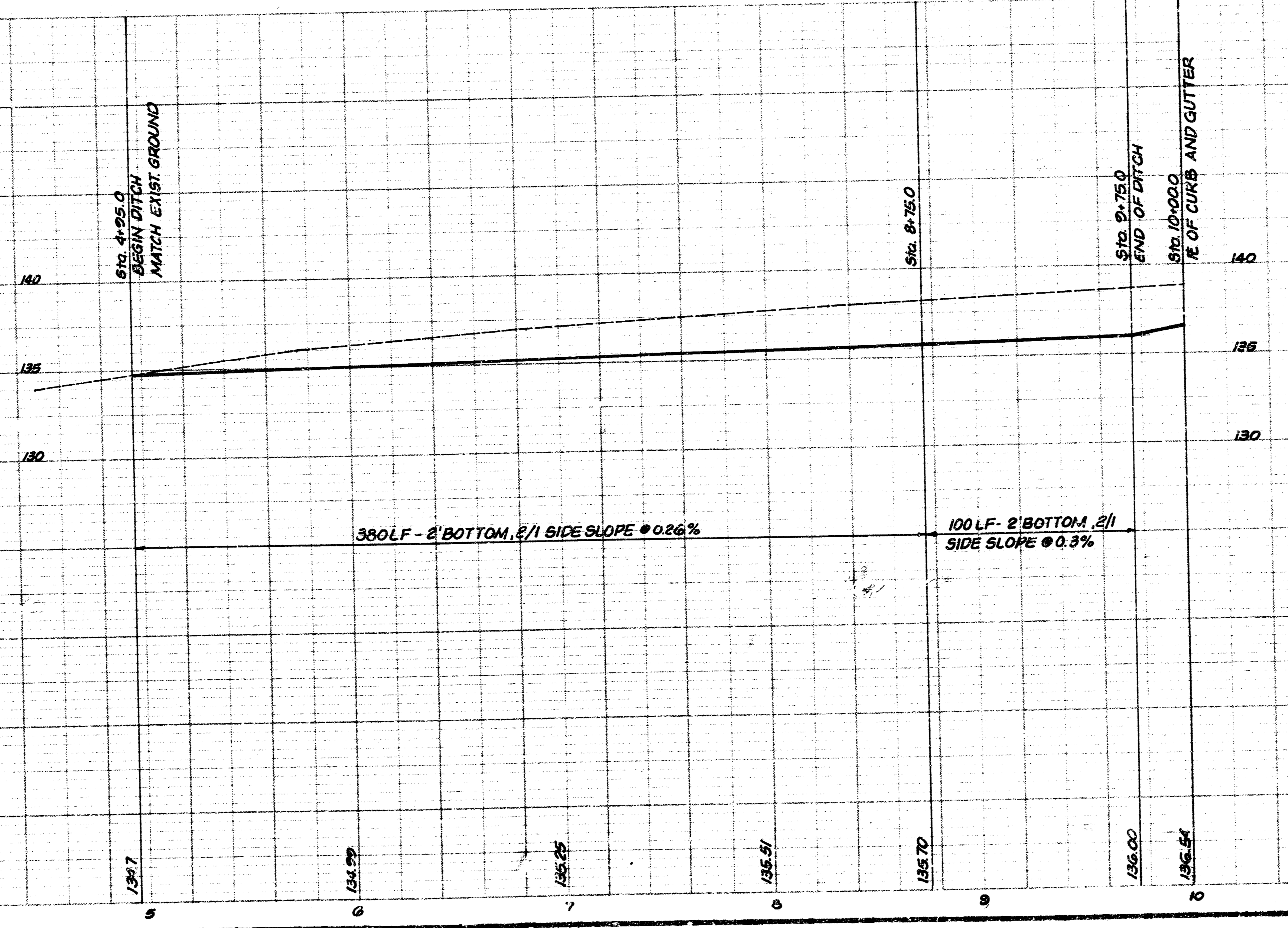
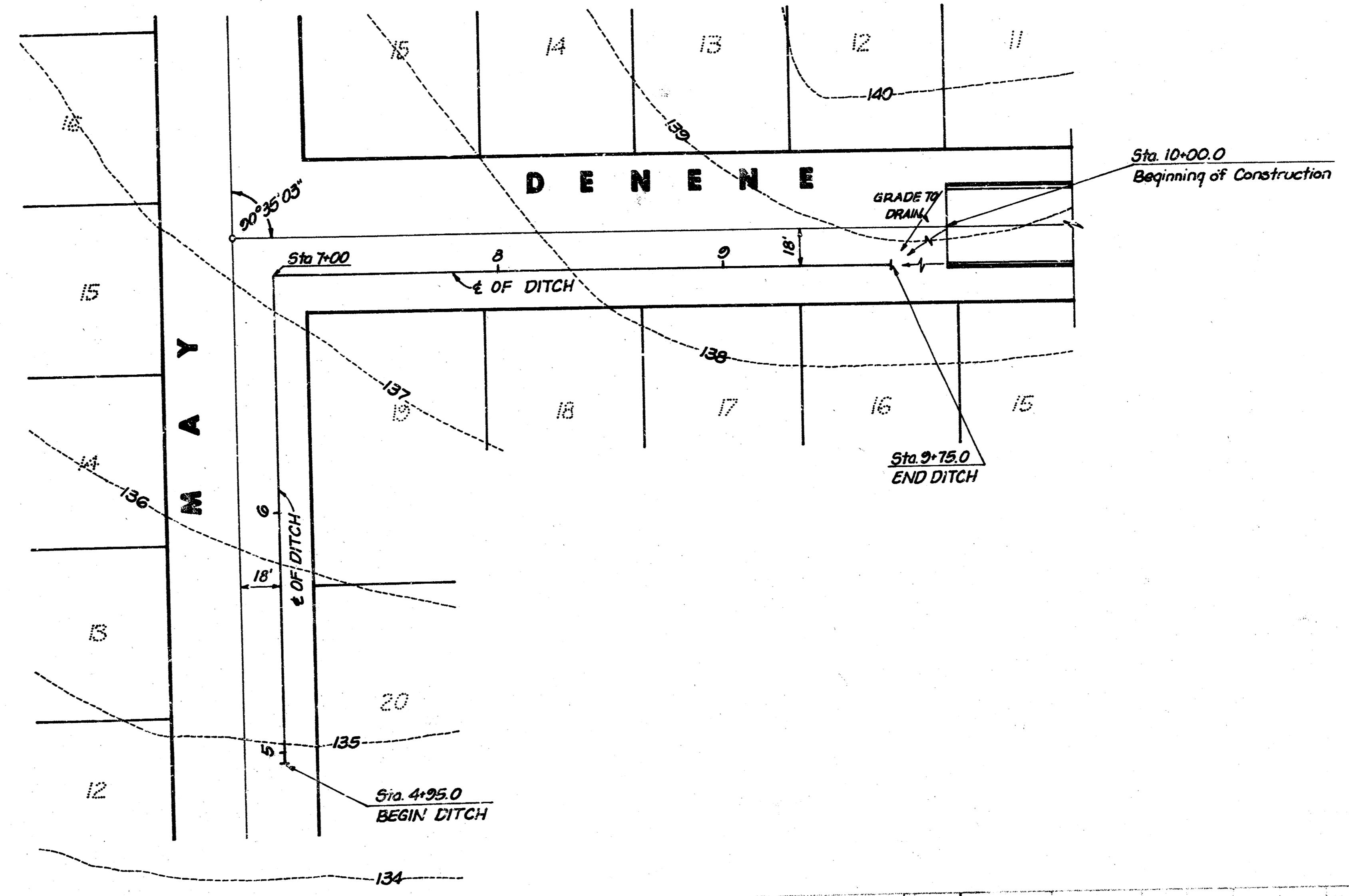
1. Field Engineer shall take ties to all irons and thimbles in the project area before construction begins. Field Engineer shall replace all such irons and thimbles disturbed during construction.
2. The tops of inlets and manholes as noted on the plans may vary so as to meet proposed top of curb elevations or pavement elevations. The Field Engineer shall locate inlets and manholes with reference to proposed paving plans of the pertinent streets.
3. All metal pipes shall be helically corrugated pipe fully coated both inside and outside. The coating may be bituminous or polymeric as specified in MSHD Designation: M210 - 78, Type B. All such coated corrugated pipe shall be smooth flow pipes for sizes 24" diameter and larger. All connections for these fully coated or fully paved and fully coated pipes shall be of fairly watertight construction using huffer type coupler or equal.
4. All concrete shall be Standard Paving Mix unless otherwise noted.
5. Contractor shall avoid uncovering existing water lines unless absolutely necessary. Uncovering shall be done only in the presence of a Water Department Engineer.
6. Contractor shall have the option of installing precast concrete type 1A curb inlet in lieu of the brick type structure. See standard detail precast type 1A curb inlet, dated August, 1979.

B.M. #1: R.R. Spk. on W. face of elm of N.E. Corner of Prairie Park 2nd Add. Elev. = 131.39



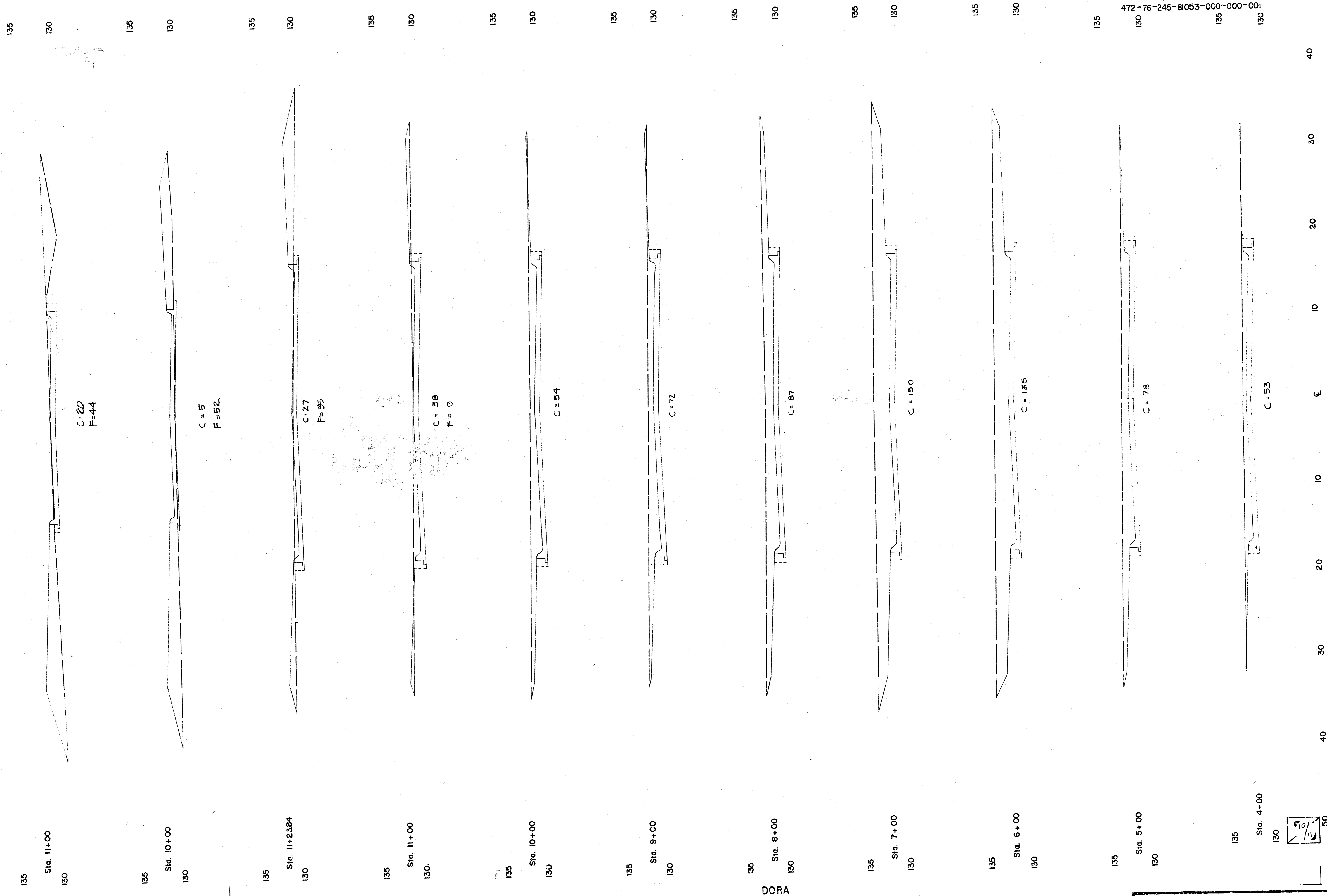
PROFILE - LINE 1
HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

PRAIRIE PARK 2ND ADDITION
 DRAINAGE
 PROJECT NO.
 472-76-245-91053-000-000-001



PRARIE PARK 2ND ADDITION STREET

PROJECT NO:
472-76-245-81053-000-000-001



CARWOOD DR.

DORA

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AVAILABLE COPY

PRAIRIE PARK 2ND ADDITION STREETS

PROJECT NO.
472-76-245-81053-000-000-001

