STREET IMPROVEMENTS FOR

TOWNE PARC ADDITION

PROJECT NO.

472-76-245-80001-000-000-037

INDEX TO DRAWINGS

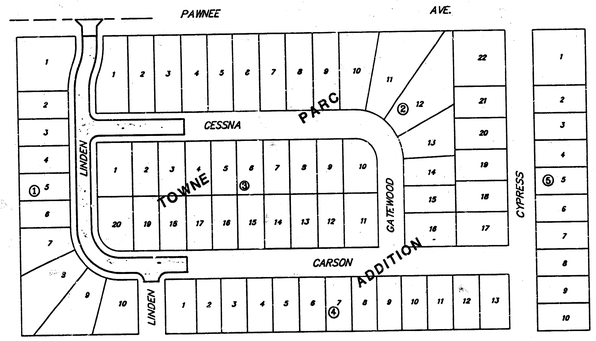
1 Title Sheet
2 35' Pavement Typical Section
3 Linden
4 Cessna
5 Carson

CITY OF WICHITA, KANSAS

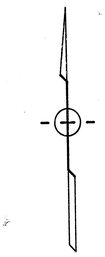
MICHAEL E. LINDEBAK CITY ENGINEER

GENERAL NOTES

1. Utility service lines, poles, valve boxes, meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
2. The Contractor shall notify pipeline companies at least 48 hours in advance of any work being performed over and/or adjacent to [illegible] lines.
3. Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans with a new finished grade elevation. When a new finished grade elevation is shown, the earthwork shall extend one foot beyond the right-of-way line and then sloped up or down using permissible slopes to match the existing ground surface.
4. The Contractor shall be responsible for preserving property irons. The Contractor will 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 in accordance with state laws.
5. The Contractor shall use extreme caution when working in the vicinity of the Underground Conoco Gas Line and the Underground Southwestern Bell Fiber Optic Cable.



LOCATION MAP



SCALE 1" = 150'

BENCH MARKS

Standard City Disk 2 feet east and 48 feet south of the N.W. Corner, N.E. Quarter, Section 5-28-2E Elevation = 192.20 City Datum.

Step Bench in south face of power pole, 491 feet east and 39 feet south of the N.W. Corner, N.E. Quarter, Section 5-28-2E, Elevation = 200.13

NOTE TO CONTRACTOR

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will pay the City of Wichita for all costs of plan review, inspection and booking per contract.

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers _____

Storm Sewers _____

Driveway Approaches _____

Water Mains _____

Paving VRH 2/3/88

M. BRENT WOOTEN LICENSED 8470 KANSAS PROFESSIONAL ENGINEER

Rev 2/17/88
DATE Feb. 8, 1988

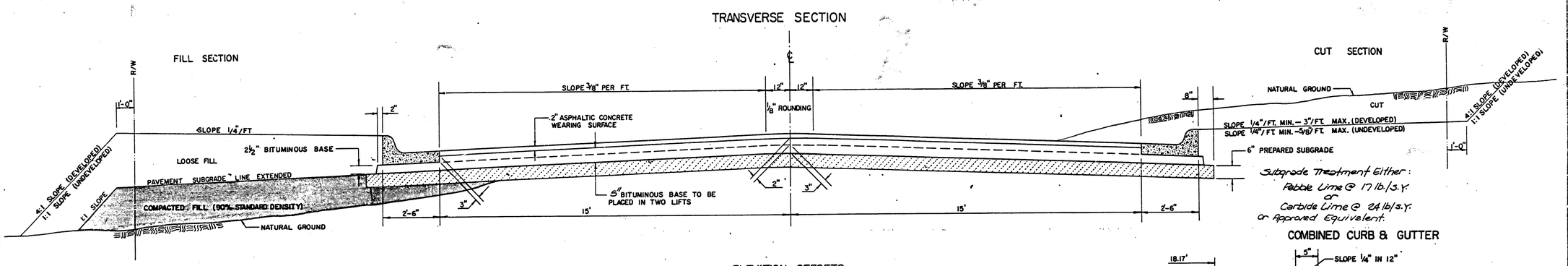
BAUGHMAN COMPANY P. A.
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SHEET 1 OF 5

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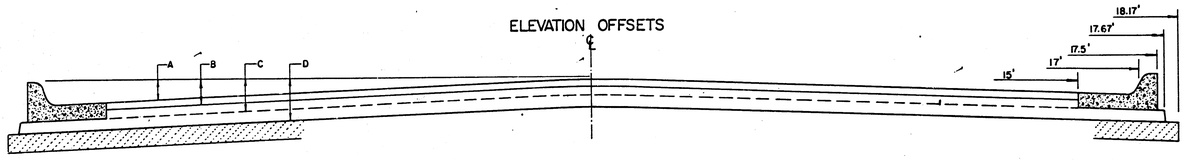
TYPICAL 35' PAVEMENT DETAILS

TRANSVERSE SECTION

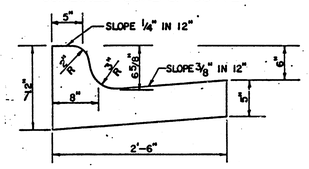


Subgrade Treatment Either:
Pebble Lime @ 17 lb./S.Y.
or
Carbide Lime @ 24 lb/S.Y.
or Approved Equivalent.

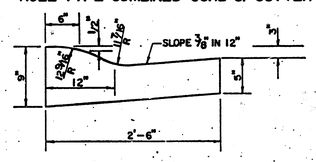
ELEVATION OFFSETS

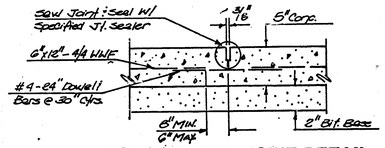


COMBINED CURB & GUTTER

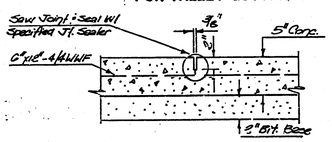


ROLL TYPE COMBINED CURB & GUTTER



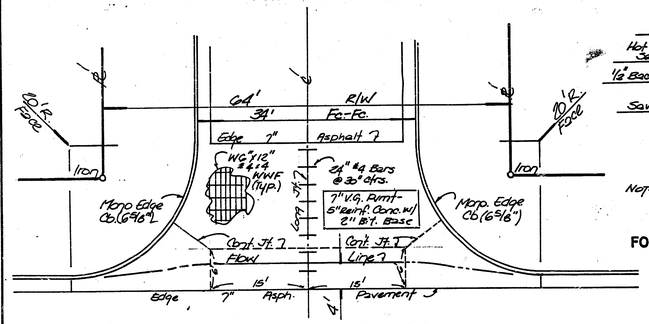


LONGITUDINAL JOINT DETAIL
FOR VALLEY GUTTER

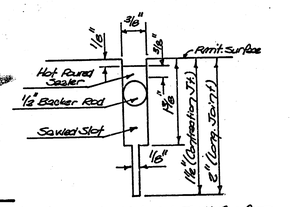


CONTRACTION JOINT
FOR VALLEY GUTTER

	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.37	0.43	0.50	0.57	0.67	0.72	0.79	0.87	0.90	0.98	1.00	1.00	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.62	0.67	0.74	0.81	0.90	0.95	1.02	1.08	1.12	1.19	1.21	1.21	1.23



VALLEY GUTTER DETAIL



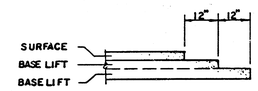
Note: Sealer Material Shall Conform to ASTM D-3569 or ASTM D-1190

SAW JOINT DETAIL
FOR CONT. AND LONG. JOINTS

GENERAL NOTES

1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

2
5

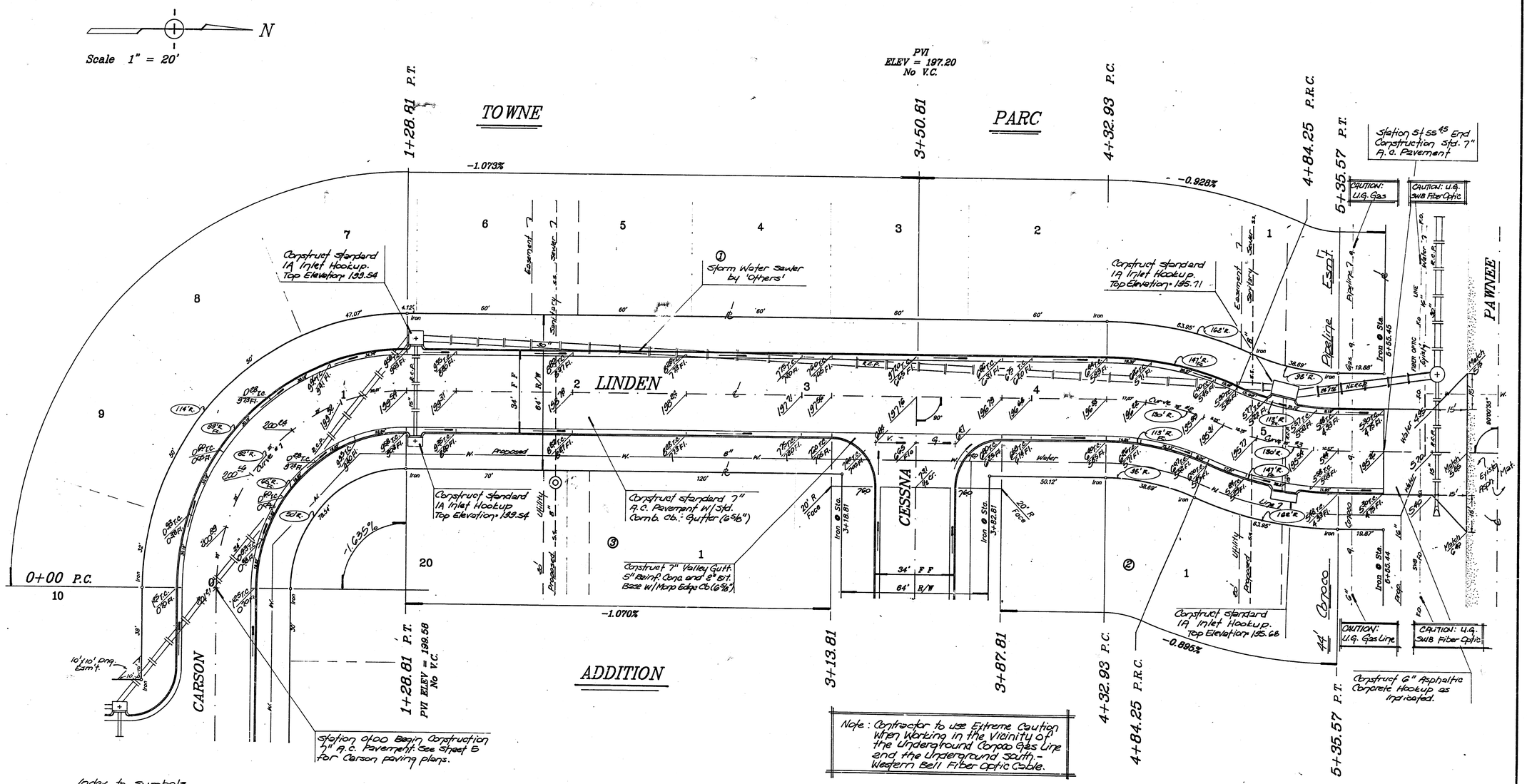
7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER
472-76-245-80001-000-000-037

2/5

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Index to Symbols

- Conoco Gas Pipeline
- SWB Fiber Optic Cable
- Water Line (Prop.)
- Sanitary Sewer (Prop.)
- Storm Water Sewer Pipe
- Existing Water Line

CURVE DATA BASED ON CENTER LINE

CURVE #1

Radius = 82' Tangent = 82' L. Chord = 115.97' Arc = 128.81'
Def/foot = 20.9611 min. Delta = 90 Degrees

Ctr. Line Station	Arc Length	Chord Lengths: 6' Left of Face	Chord Lengths: 6' Right of Face	Deflection Angle	Total Deflection Angle
0+00 PC	—	—	—	0° 00' 00"	0° 00' 00"
+25	25'	32.49'	17.31'	8° 44' 02"	8° 44' 02"
+50	25'	32.49'	17.31'	8° 44' 01"	17° 28' 03"
+75	25'	32.49'	17.31'	8° 44' 02"	26° 12' 05"
1+00	25'	32.49'	17.31'	8° 44' 02"	34° 56' 07"
1+28.81 PT	28.81'	37.40'	18.82'	10° 03' 53"	45° 00' 00"

CURVE #2

Radius = 130' Tangent = 26' L. Chord = 50.99' Arc = 51.32'
Def/foot = 13.2229 min. Delta = 22° 37' 12"

Ctr. Line Station	Arc Length	Chord Lengths: 6' Left of Face	Chord Lengths: 6' Right of Face	Deflection Angle	Total Deflection Angle
4+32.93 PC	—	—	—	0° 00' 00"	0° 00' 00"
+50	17.07'	20.34'	13.78'	3° 45' 43"	3° 45' 43"
+75	25'	29.78'	20.16'	5° 30' 34"	9° 16' 17"
4+84.25 PRC	9.25'	11.03'	7.47'	2° 02' 19"	11° 18' 36"

CURVE #3

Radius = 130' Tangent = 26' L. Chord = 50.99' Arc = 51.32'
Def/foot = 13.2229 min. Delta = 22° 37' 12"

Ctr. Line Station	Arc Length	Chord Lengths: 6' Left of Face	Chord Lengths: 6' Right of Face	Deflection Angle	Total Deflection Angle
4+84.25 PRC	—	—	—	0° 00' 00"	0° 00' 00"
5+00	15.75'	12.71'	18.77'	3° 38' 16"	3° 38' 16"
+25	25'	20.16'	29.76'	5° 30' 34"	8° 58' 50"
5+35.57 PT	10.57'	8.54'	12.60'	2° 19' 46"	11° 18' 36"

LINDEN
TOWNE PARC ADDITION

BAUGHMAN COMPANY P. A.
SURVEYING & ENGINEERING
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PROJECT NUMBER 472-76-245-80001-000-000-037

DESIGN	DRAWN	APPROVED	DATE	SCALE	REV.	SHEET	OF
CB	DMH			1" = 20'	X	3	5

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N

Scale: 1" = 20'

0+37 | PVI ELEV = 200.00 No VC | 2+00 | 2134 END PAVEMENT | PVI ELEV = 201.50 50' VC | 3+50 | 6+30 P.C.

+1.472% | +1.000% | +1.000% | −0.571%

TOWNE | PARC | CESSNA | ADDITION

LINDEN

Construct 7" Valley Gutter, 5" Reinf. Conc. and 2" Bit. Base w/ Mtce Edge Cb. (6"%)

Construct 7" P.C. Pavement w/ Roll Type Comb. Cb.: Gutter (3"%)

H.P. @ Sta 3+56.63 Elev = 201.41

Station 2+34 End Construction 7" P.C. Pavement.

Station 6+30

Proposed

FUTURE | PAVING | FUTURE | PAVING

Note: Pavement Past Station 2+34 is to be constructed in the future, and is not included in this project.

CESSNA
TOWNE PARC ADDITION

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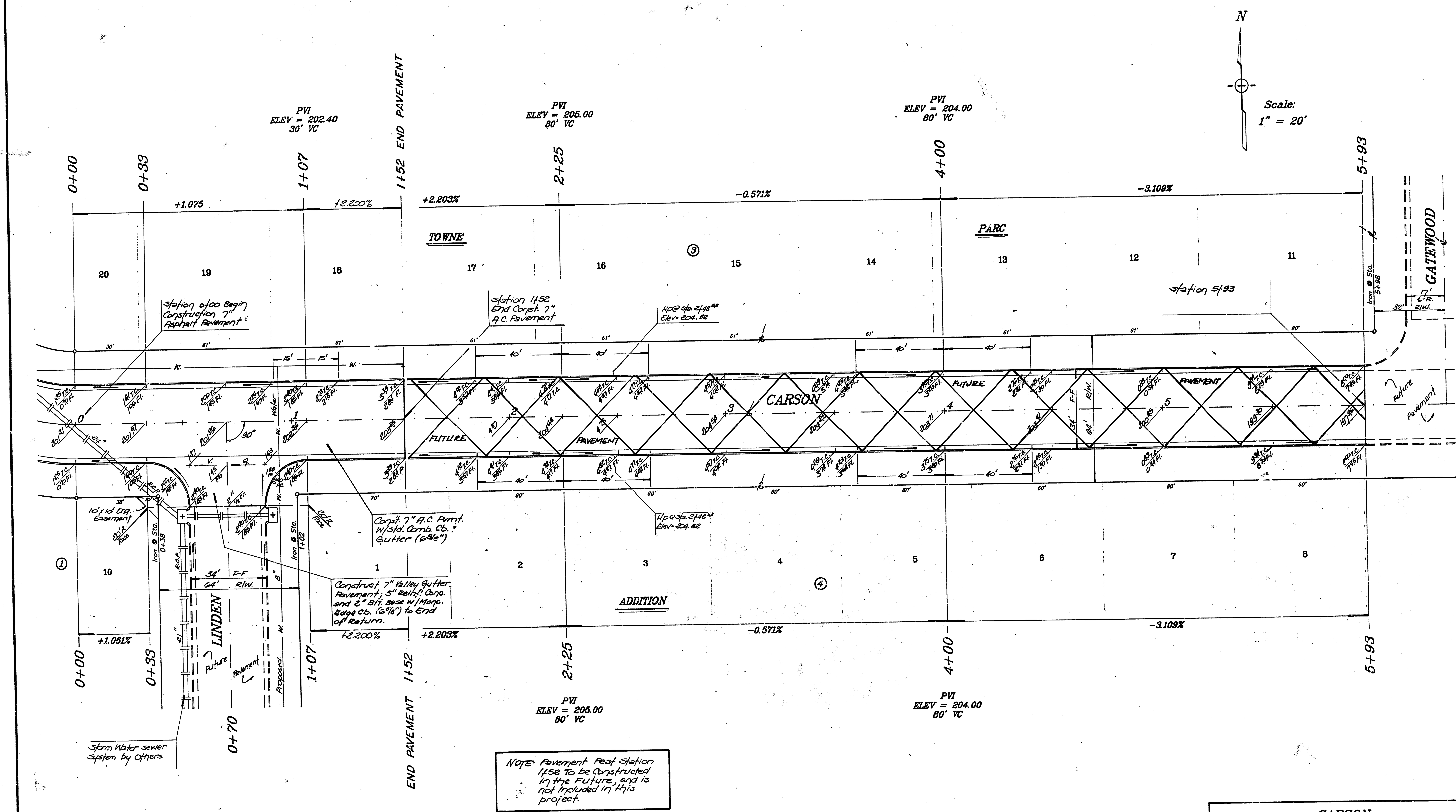
REV. X

PROJECT NUMBER 478-76-245-80001-000-000-057

SHEET 4 4/5 OF 5

DESIGN	DRAWN	APPROVED	DATE	SCALE
CB	DMH			1" = 20'

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CARSON

TOWNE PARC ADDITION

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PROJECT NUMBER	REV.	SHEET	OF
472-76-245-80001-000-000-037		5	5

DESIGN	DRAWN	APPROVED	DATE	SCALE
CB	DMH			1" = 20'

5/5

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