FHWA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87-N-0200-01	2001	1	78

STATE OF KANSAS

DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT

21ST STREET NORTH FROM HILLSIDE TO OLIVER

PROJ. NO. 87-N-0200-01

C.O.W. PROJ. NO. 472-83368

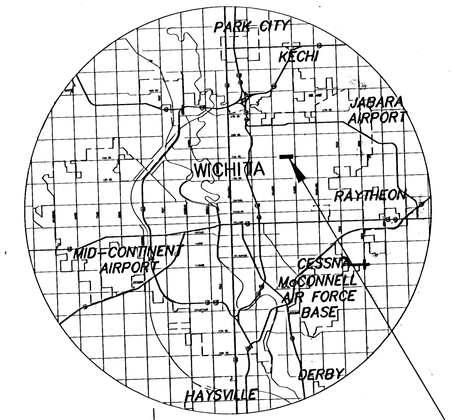
OCA NO. 706823

WICHITA, SEDGWICK COUNTY

POPULATION 311,746

STP-N020(001)
GRADING
SURFACING
STORM SEWER
PAVEMENT MARKING
SEEDING

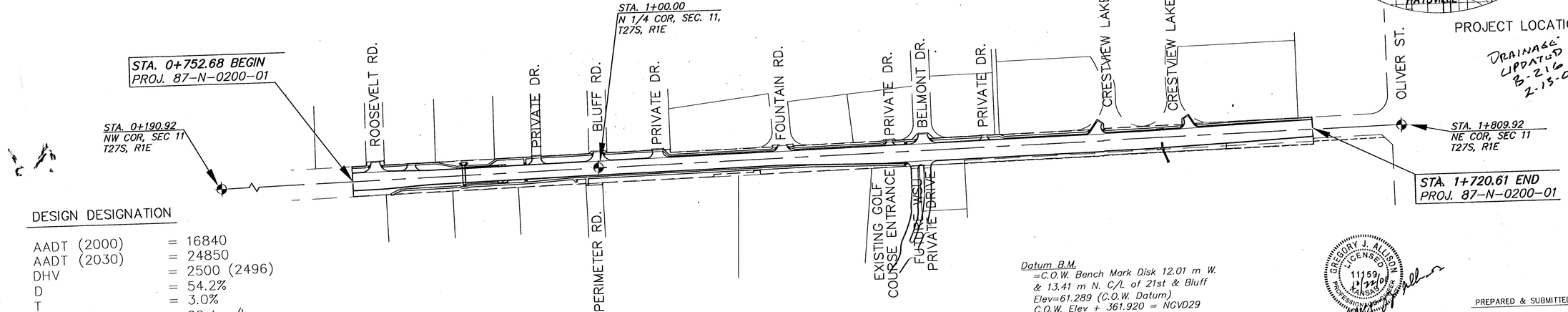
SCALE 1 : 2 000



DRAINAGE UPDATED B-216 2-13-03

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	Title Sheet
2	Typical Section
3–9	Pavement Plans
10–11	Storm Sewer Plans
12	Water Line Relocation Plan
13–16	Pavement Details
17–22	Storm Sewer Details
23–26	RCB Details
27	Schedule of Inlets & Manholes
28	Water Assembly Details
29	Miscellaneous Details
30	Summary of Quantities
31–36	Temporary Project Water Pollution Control
37–44	Roadside Improvements – Landscaping
45–51	Traffic Signal Plans
52–54	Pavement Marking & Signing Plans
55–63	Construction Staging Sequence & Details
64–65	Drainage Map
66–78	Paving Cross Sections



DESIGN DESIGNATION

AADT (2000)	=	16840
AADT (2030)	=	24850
DHV	=	2500 (2496)
D	=	54.2%
T	=	3.0%
V	=	60 km/h
Control of Access	=	NONE
Clear Zone	=	2m

Datum B.M.
=C.O.W. Bench Mark Disk 12.01 m W. & 13.41 m N. C/L of 21st & Bluff
Elev=61.289 (C.O.W. Datum)
C.O.W. Elev + 361.920 = NGVD29

GREGORY J. ALLISON LICENSED 11159 KANSAS PROFESSIONAL ENGINEER 1/22/01

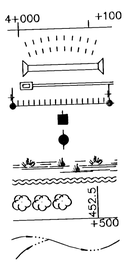
PREPARED & SUBMITTED BY
MKEC ENGINEERING CONSULTANTS, INC.
WICHITA, KANSAS

KDOT METRIC

All Dimensions shown, without a SI suffix, are in millimeters. All elevations shown are in meters.

CONVENTIONAL SIGNS

COUNTY LINE
CITY LIMITS
STATE OR NATIONAL LINE
TOWNSHIP, SECTION or GRANT LINE
PROPERTY LINE
HIGHWAY FENCE
EXISTING FENCE
GUARD FENCE
CONSTRUCTION LIMITS
RIGHT OF WAY LINE
TRAVELED WAY
RAILROADS
CENTER LINE OF PROJECT
TERRACE
CULVERTS
DROP INLET & STORM SEWER
ACCESS CONTROL
POWER POLE
TELEPHONE POLE
MARSH
HEDGE
TREES
PROFILE ELEVATION
STREAM or CREEK



NOTE: Traffic to be carried through construction

GROSS LENGTH OF PROJECT	967.93 m
EXCEPTIONS	0.00 m
ADDITIONS	0.00 m
NET LENGTH OF PROJECT	967.93 m
NET LENGTH OF BRIDGES	0.00 m
NET LENGTH OF ROAD	967.93 m

NOTE: This project falls within the purview of a nation wide permit authorized under Federal Regulations 33 CFR Part 330 published in the December 23, 1996 Federal Register.

APPROVED – DATE
MICHAEL E. LINDEBAK
CITY ENGINEER
PROJECT NO. 87 N-0200-01

RECOM. FOR APPROVAL–DATE
CHIEF, BUREAU OF LOCAL PROJECTS
KANSAS DEPARTMENT OF TRANSPORTATION

APPROVED – DATE
STATE TRANSPORTATION ENGINEER
KANSAS DEPARTMENT OF TRANSPORTATION

DATE	BY	
		SURVEYED
		CAD TECHNICIAN
		DESIGNERS
		SQUAD

Drawn By:
DGN File: View=
Plotted:

G:\CIVIL\99257\DWG\PAVE\99257ET.DWG
\CIVIL\99257\DWG\PAVE\99257ET.DWG Mon Oct 22 13:47:47 2001