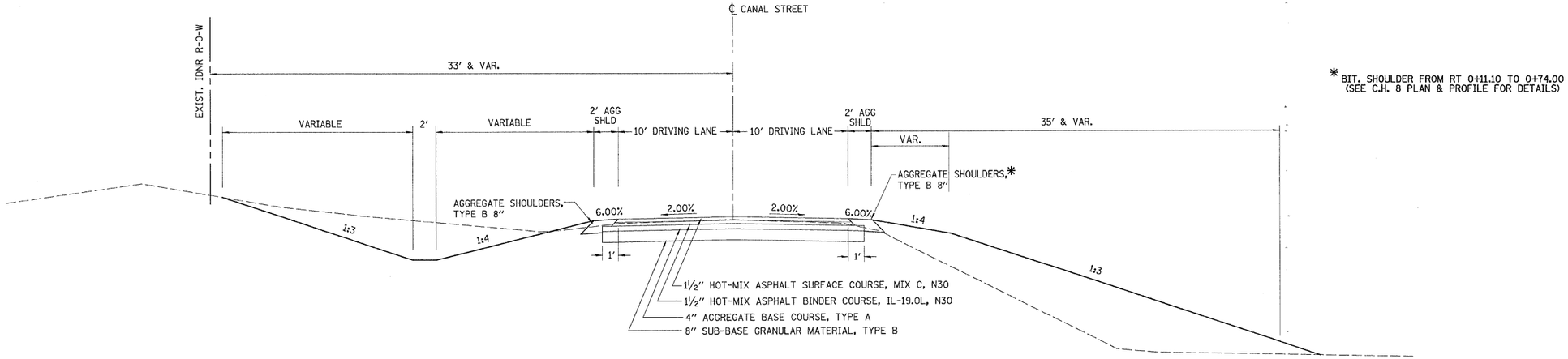
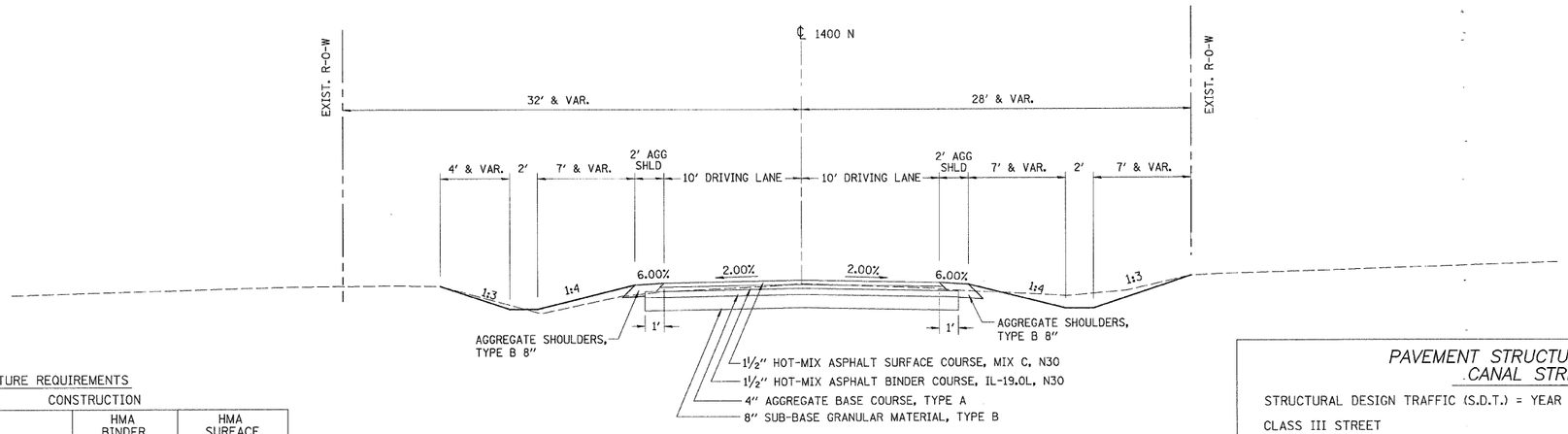


* BIT. SHOULDER FROM RT 0+11.10 TO 0+74.00
(SEE C.H. 8 PLAN & PROFILE FOR DETAILS)

CANAL STREET
STA. 0+11.10 TO STA. 1+25.00



1400 N
STA. 12+09.00 TO STA. 12+89.00

PAVEMENT MIXTURE REQUIREMENTS

CONSTRUCTION

	HMA BINDER	HMA SURFACE
PG GRADE**	PG58-22	PG58-22
DESIGN AIR VOIDS	4.0% @ N30	4.0% @ N30
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 12.5L	IL 9.5L
FRICTION AGGREGATE		MIXTURE C
DENSITY TEST METHOD	CORES	CORES

** WHEN MORE THAN 20% RAP IS USED, A SOFTER ASPHALT BINDER (PG58-22) MAY BE REQUIRED AS DETERMINED BT THE ENGINEER.

PAVEMENT STRUCTURAL DESIGN
CANAL STREET

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2020

CLASS III STREET

80,000# TRUCK DESIGN

P.V. 517
S.U. 13] 533 ADT
M.U. 3

E_{RI} : (ASSUMED) 2 ksi
TF = 0.03
HMA MIX TEMP. 74°F
HMA E_{AC} = 700 ksi
HMA DESIGN STRAIN 395 microstrain

USE
1½″ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30
1½″ HOT-MIX ASPHALT BINDER COURSE, IL-19.0L, N30
12″ AGGREGATE BASE

1400 N CLASS IV STREET

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BENCH MARKS, STRUCTURE NO'S/ATHS CHKD, NOTE BOOK, NO., BY, DATE

S:\Structl\18600\05Bureau County\Design\tgmcsdsdgn

WILLETT, HOFMANN & ASSOCIATES, INC.
CONSULTING ENGINEERS
809 East Second Street Dixon, IL 61021
Phone 815.284.3381 Fax 815.284.3385
Design Firm # 184-00918
www.willetthofmann.com

USER NAME =	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DATE -	REVISED -

BUREAU COUNTY
BRIDGE REPLACEMENT
FAS 188 (C.H. 8) OVER IAIS RAILROAD & THE HENNEPIN CANAL

TYPICAL SECTIONS & CONTROL POINTS

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
188	05-00195-00-BR	BUREAU	127	5
STA.	TO STA.	CONTRACT NO. 87380		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	BRS-0188(118)	