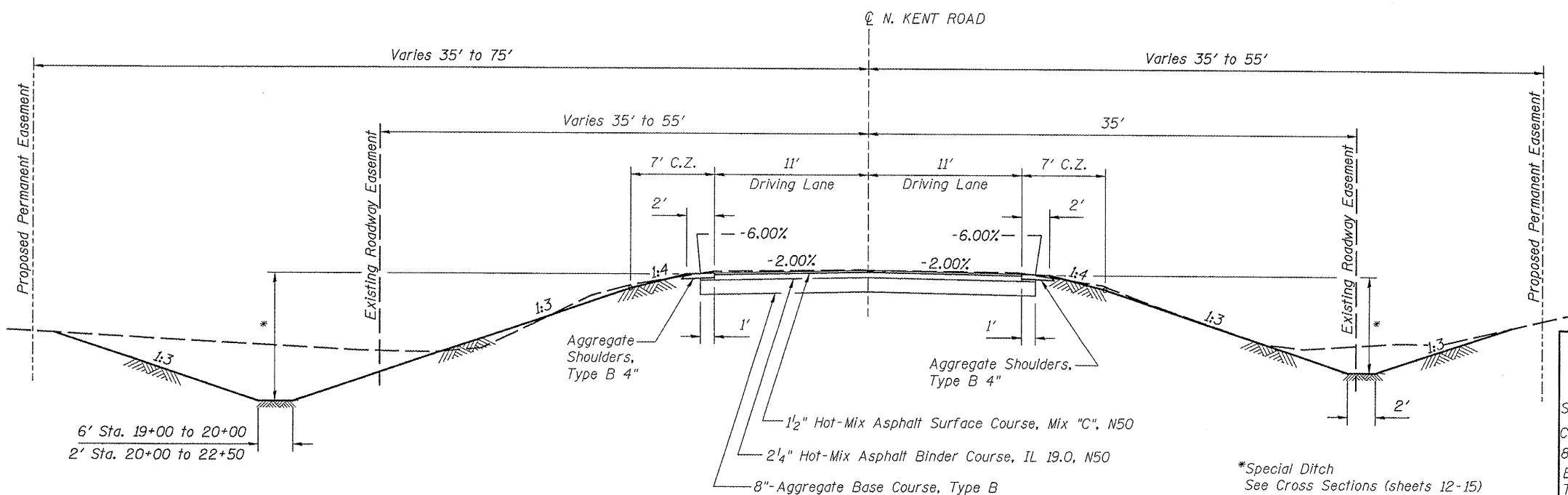


PROPOSED ROADWAY TYPICAL SECTION
Station 17+50 to 19+00

PAVEMENT MIXTURE REQUIREMENTS

	Binder	Surface
PG:	PG 64-22	PG 64-22
Design Air Voids	4.0 @ N50	4.0 @ N50
Mixture Composition (Gradation Mixture)	IL 19.0	IL 12.5 or 9.5
Friction Aggregate	—	C
ESALS	0.2	0.2



PROPOSED ROADWAY TYPICAL SECTION
Station 19+00 to 22+50

PAVEMENT STRUCTURAL DESIGN
N. KENT ROAD

Structural Design Traffic (S.D.T.) = Year 2022 (New Construction/Reconstruction Guidelines)
 Class III Street P.V. 410
 80,000# Truck Design S.U. 33 } 466 ADT
 E_{RI} : (Assumed) 2 ksi M.U. 23
 TF = 0.125
 HMA Mix Temp. 72°F
 HMA E_{AC} = 770 ksi
 HMA Design Strain 270 microstrain

USE:
 1 1/2" Hot-Mix Asphalt Surface Course, Mix "C", N50
 2 1/4" Hot-Mix Asphalt Binder Course, IL-19.0, N50
 8" Aggregate Base Course, Type B

FILE = S:\PROJECTS\2010\1191010_Stephenson-Co.,N.Kent-Rd.DESIGN.STRUCT.TYPICAL.dgn

REVISION	DATE	BY	REMARKS

DRAWN
R.D.A.
CHECKED
B.S.K.
APPROVED
B.K.C.

**FAS 63 (NORTH KENT ROAD) OVER
BRANCH OF YELLOW CREEK
STATION 20+00**



STEPHENSON COUNTY

**TYPICAL SECTIONS
STRUCTURE NO. 089-5139
STA. 17+50.00 - STA. 22+50.00**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
63	10-00177-00-BR	STEPHENSON	15	5
WHA# 1119D10		CONTRACT NO. 85548		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT BRS-00631067				