

STONE DUMPED RIPRAP, CLASS A3
 LT STA. 25+00 TO 26+01
 LT STA. 31+00 TO 31+09.77

AGGREGATE SHOULDERS, TYPE B 8"

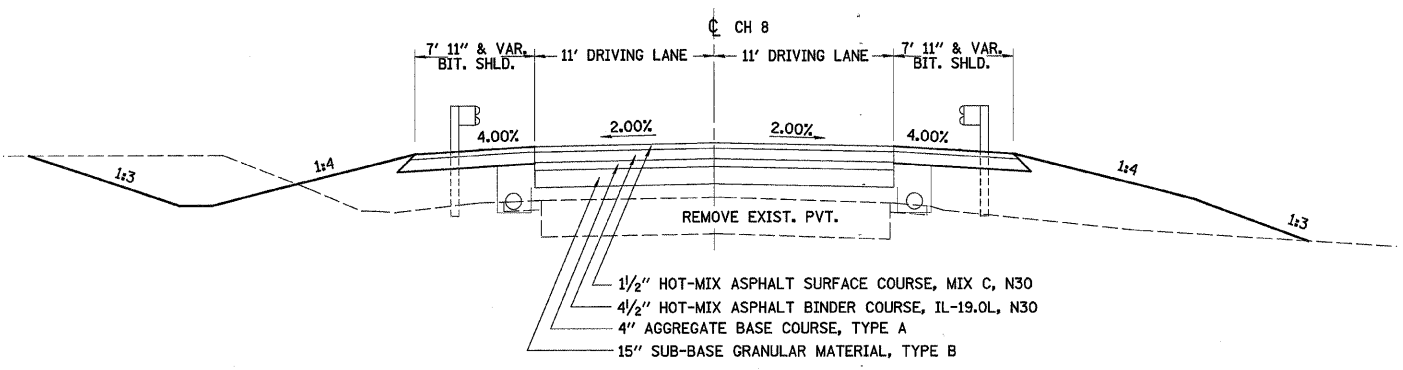
PIPE UNDERDRAINS 6" AS PER STD. 601001-03

REMOVE EXIST. PVT.

AGGREGATE SHOULDERS, TYPE B 8"

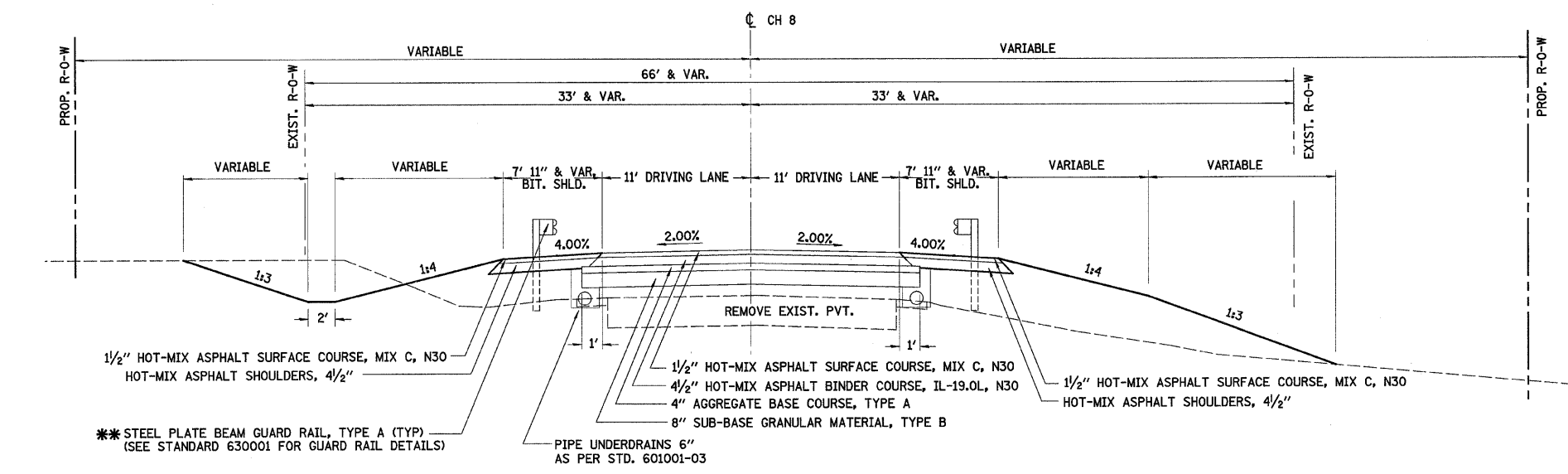
1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30
 4 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0L, N30
 4" AGGREGATE BASE COURSE, TYPE A
 8" SUB-BASE GRANULAR MATERIAL, TYPE B

COUNTY HIGHWAY 8
 STA. 25+00.00 TO STA. 31+09.77
 AND
 STA. 39+67.35 TO STA. 41+00.00



COUNTY HIGHWAY 8
 BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)
 STA. 32+87.78 TO 33+87.78
 AND
 STA. 38+12.22 TO 39+12.22

- NOTE:**
- SEE STANDARD 420401-08 FOR TRANSITION INTO BRIDGE APPROACH PAVEMENT.
 - ALL PAVEMENT ITEMS INCLUDED IN THE PAY ITEM, BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE), SHALL BE INCIDENTAL TO SAID ITEM.



1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30
 HOT-MIX ASPHALT SHOULDERS, 4 1/2"

REMOVE EXIST. PVT.

1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30
 4 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0L, N30
 4" AGGREGATE BASE COURSE, TYPE A
 8" SUB-BASE GRANULAR MATERIAL, TYPE B

1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30
 HOT-MIX ASPHALT SHOULDERS, 4 1/2"

PIPE UNDERDRAINS 6" AS PER STD. 601001-03

**** STEEL PLATE BEAM GUARD RAIL, TYPE A (TYP)**
 (SEE STANDARD 630001 FOR GUARD RAIL DETAILS)

**** GAIRD RAIL FROM STATION:**
 LT 32+55.80 TO 33+80.80
 LT 38+32.53 TO 38+82.53
 RT 31+94.57 TO 33+69.57

COUNTY HIGHWAY 8
 STA. 31+70.99 TO STA. 32+87.78*

* BRIDGE OMISSION STA 33+67.78 TO 38+12.22

PAVEMENT MIXTURE REQUIREMENTS

	HMA BINDER	HMA SURFACE	HMA SHOULDERS
PG GRADE**	PG58-22	PG58-22	PG58-22
DESIGN AIR VOIDS	4.0% @ N30	4.0% @ N30	2.0% @ N30
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 19.0L	IL 9.5L	IL 19.0
FRICTION AGGREGATE		MIXTURE C	
DENSITY TEST METHOD	CORES	CORES	CORES

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

PAVEMENT STRUCTURAL DESIGN
COUNTY HIGHWAY 8

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

CLASS III STREET
 80,000* TRUCK DESIGN

E_{R1} : (ASSUMED) 2 ksi
 $TF = 0.24$
 HMA MIX TEMP. 79°F
 HMA E_{AC} = 575 ksi
 HMA DESIGN STRAIN 225 microstrain

USE
 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX C, N30
 4 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0L, N30
 12" AGGREGATE BASE

P.V. 1,135
 S.U. 40
 M.U. 50] 1,225 ADT

PLAN

NO.	DATE	BY

REVISIONS:
 SUBMITTED
 PLOTTED
 CHECKED
 ALIGNED
 CADD FILE NAME

PROFILE

NO.	DATE	BY

REVISIONS:
 GRADES CHECKED
 STRUCTURE NOTATIONS CHKD

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 Design Firm # 184-00918
 www.willettthofmann.com

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

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

TYPICAL SECTIONS & CONTROL POINTS

F.A.S. RTE. 188	SECTION 05-00195-00-BR	COUNTY BUREAU	TOTAL SHEETS 127	SHEET NO. 3
STA. TO STA.	CONTRACT NO. 87380		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT BRS-0188(118)	