

PAVEMENT STRUCTURAL DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC: YEAR 2018
 PV=2,304 SU=230 MU=26

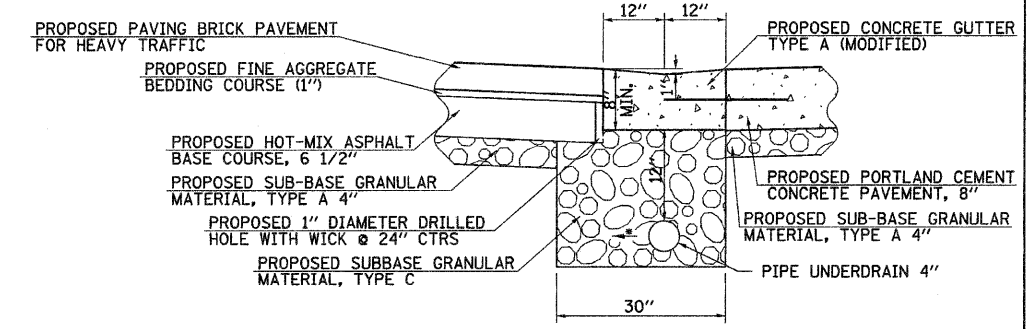
CLASS II ROAD TF = 0.290 D_t(REQ.) = 3.40
 MINIMUM SOIL SUPPORT: IFR = 3
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P=50% S=50% M=50%

PAVEMENT STRUCTURE MATERIALS:
 SURFACE COURSE TYPE: BRICK PAVERS/BEDDING, 4", a₁ = 0.20
 BASE COURSE TYPE: HOT-MIX ASPHALT BASE COURSE, 6 1/2", a₂ = 0.33
 SUB-BASE COURSE TYPE: GRANULAR MATERIAL, TYPE A, 4", a₃ = 0.13

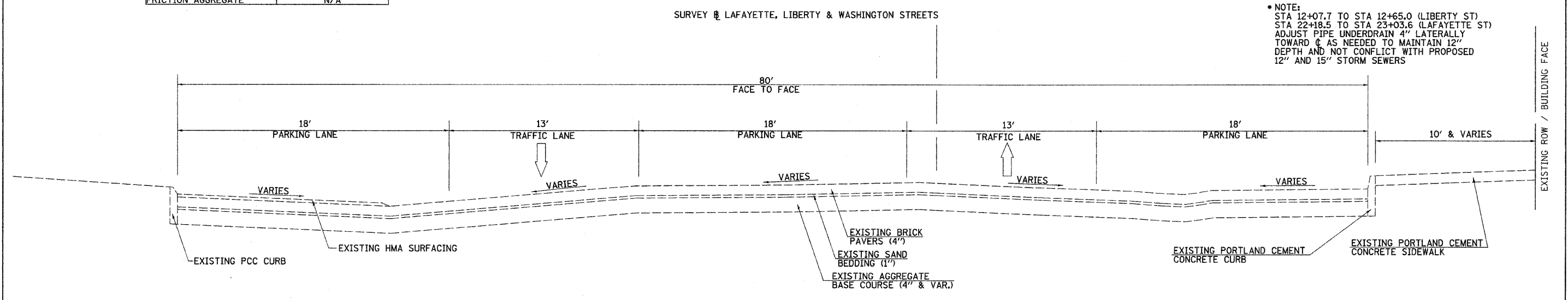
D_t(PROVIDED) = 3.47

MIXTURE USE(S)	HMA BASE COURSE
AC/PG	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN=50
MIX COMPOSITION (GRADATION MIXTURE)	IL-19.0 OR 25.0
FRICTION AGGREGATE	N/A

PROPOSED TYPICAL SECTION
 LAFAYETTE STREET - STA 20+61.50 TO STA 24+03.81
 LIBERTY STREET - STA 11+04.50 TO STA 15+07.22
 WASHINGTON STREET - STA 30+61.50 TO STA 34+04.85



*** NOTE:**
 STA 12+07.7 TO STA 12+65.0 (LIBERTY ST)
 STA 22+18.5 TO STA 23+03.6 (LAFAYETTE ST)
 ADJUST PIPE UNDERDRAIN 4" LATERALLY
 TOWARD C AS NEEDED TO MAINTAIN 12"
 DEPTH AND NOT CONFLICT WITH PROPOSED
 12" AND 15" STORM SEWERS



EXISTING TYPICAL SECTION

FILE NAME = v:\transportation\2240\22401001.dgn	USER NAME = jolson	DESIGNED - JRB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CITY OF RUSHVILLE DOWNTOWN SQUARE BRICK STREET RECONSTRUCTION TYPICAL SECTIONS	F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 5.0000' / IN.	DRAWN - RLR	REVISED -			N/A	05-00017-00-FP	SCHUYLER	49	6	
	PLOT DATE = 2/17/2010	CHECKED - JRB	REVISED -			CONTRACT NO. 93541					
		DATE - 2/12/2010	REVISED -			SCALE: N/A	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	