

LEGEND

- ① EXIST. HMA BASE COURSE 12''±
- ② EXIST. PCC BASE COURSE 8''±
- ③ EXIST. HMA SURFACE 3''±
- ④ EXIST. HMA SURFACE 7''±
- ⑤ EXIST. AGGREGATE SUB-BASE
- ⑥ EXIST. ASPHALT SHOULDER
- ⑦ EXIST. AGGREGATE SHOULDER
- ⑧ PROP. HMA SURFACE REMOVAL, 2''
- ⑨ PROP. HMA SURFACE COURSE, MIX D, N70, 2''
- ⑩ PROP. AGGREGATE SUBGRADE, 12''
- ⑪ PROP. HMA BASE COURSE, 10 1/2'' (IN 3 LIFTS)
- ⑫ PROP. SUB-BASE GRANULAR MATERIAL, TYPE B, 4''
- ⑬ PROP. HMA SHOULDER, 8'' (IN 2 LIFTS)
- ⑭ PROP. PAVED SHOULDER REMOVAL
- ⑮ PROP. AGGREGATE WEDGE SHOULDER, TYPE B
- ⑯ PROP. AGGREGATE SHOULDER, TYPE B, 6''
- ⑰ PROP. GRADING AND SHAPING SHOULDERS
- ⑱ PROP. DITCH (SEE CROSS SECTIONS)
- ⑲ PROP. PIPE UNDERDRAINS, 4''

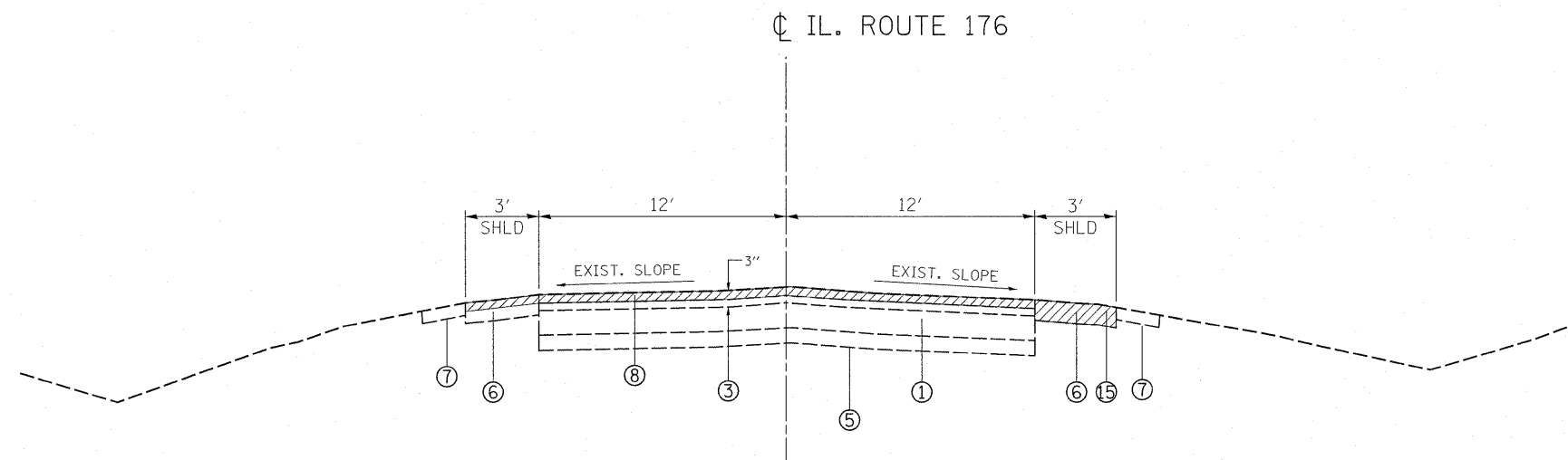
NOTE:

PIPE UNDERDRAINS TO BE INSTALLED ALONG THE OUTSIDE EDGE OF THE PROPOSED WIDENING, 30 INCHES BELOW THE PROPOSED PAVEMENT GRADE AT THE FOLLOWING LOCATIONS:

- IL 176 (EAST LEG): STA. 101+00 TO STA. 102+00 LT. AND STA. 106+00 TO STA. 107+00 LT.
- IL 176 (WEST LEG): STA. 102+50 TO STA. 103+50 RT. AND STA. 107+00 TO STA. 108+00 RT.

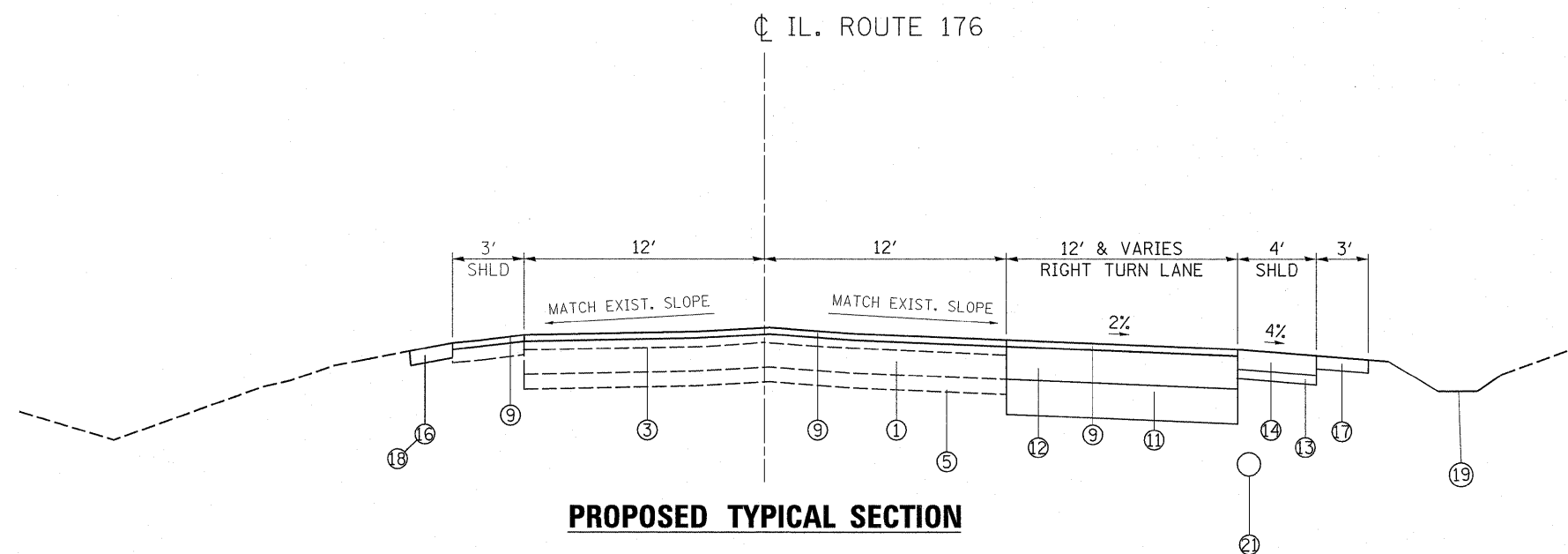
HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING AND WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" (IL-9.5 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE, 10 1/2" (HMA BINDER IL-19.0 mm)	4% @ 70 GYR.
SHOULDERS	
HMA SHOULDER, 8" (HMA BINDER IL-19.0 mm)	4% @ 70 GYR.
PAVEMENT PATCHING	
CLASS D PATCHING, 12" (HMA BINDER IL-19.0 mm)	4% @ 70 GYR.

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ.YD./IN
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



EXISTING TYPICAL SECTION

STA 101+26.84 TO STA 108+70 (WEST LEG FACING EAST)
STA 100+22 TO STA 104+00 (EAST LEG FACING WEST)



PROPOSED TYPICAL SECTION

STA 101+26.84 TO STA 108+70 (WEST LEG FACING EAST)
STA 100+22 TO STA 104+00 (EAST LEG FACING WEST)

FILE NAME = D144410-Design.dgn	USER NAME = WILGREENDP	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS IL RTE. 47 AT IL RTE. 176 (NORTH & SOUTH JCT.)	F.A.P. RTE. 326	SECTION 105 N-4	COUNTY MCHENRY	TOTAL SHEETS 60	SHEET NO. 5		
	PLOT SCALE = 50.2367' / IN.	DRAWN -	REVISD -			SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 60K18		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 12/29/2010	CHECKED -	REVISD -									
		DATE -	REVISD -									