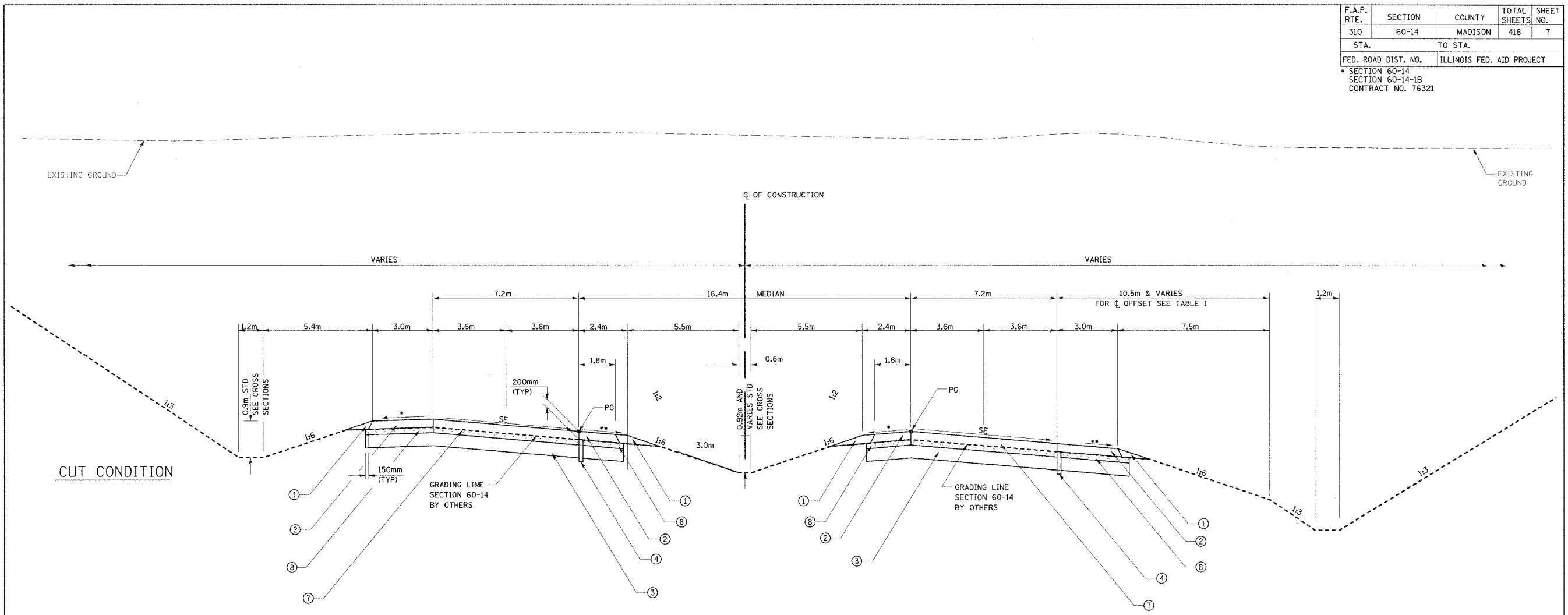


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	60-14	MADISON	418	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		SECTION 60-14 SECTION 60-14-1B CONTRACT NO. 76321		



••4% & VARIES, 8% MAXIMUM BREAKOVER
 ••4% OR SE, WHICHEVER IS GREATER

EARTHWORK FOR SECTION 60-14-2

FAP 310
 PROPOSED TYPICAL SUPERELEVATION SECTION
 CURVE P_ALN1MNL-4 (SE=5.2%)
 STA 31+979.000 TO STA 32+105.000

STRUCTURAL DESIGN INFORMATION
 FAP 310

ROAD CLASSIFICATION: CLASS 1

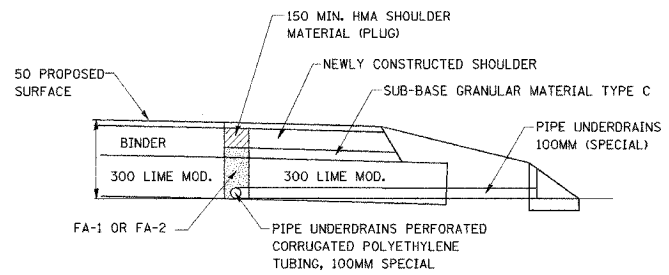
STRUCTURAL DESIGN TRAFFIC:
 PV=17,940 SU=585 MU=975

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE
 P=32% S=45% M=45%

MINIMUM SUBGRADE SUPPORT RATING: POOR

FLEXIBLE PAVEMENT DESIGN: MINIMUM $T_F = 7.11$

SELECTED DESIGN AC TYPE 20
 AC THICKNESS SEE TABLE 2
 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, VARIES
 HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 50mm



SEQUENCE OF CONSTRUCTION FOR UNDERDRAINS

1. CONSTRUCT THE PROPOSED SHOULDERS TO THE BOTTOM OF THE TOP LEFT.
2. REMOVE A PORTION OF THE NEWLY CONSTRUCTED SHOULDER AND PLACE THE UNDERDRAINS AND SAND BACKFILL.
3. PLACE THE HOT-MIX ASPHALT PLUG.
4. PLACE FINAL LIFT OF HMA SHOULDER.

LEGEND

- ① AGGREGATE SHOULDER, TYPE B
- ② HOT-MIX ASPHALT SHOULDERS, 200mm
- ③ PROCESSING MODIFIED SOILS 300mm
- ④ PIPE UNDERDRAIN PERFORATED CORRUGATED POLYETHYLENE TUBING, 100mm SPECIAL
- ⑤ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 280mm
- ⑥ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 350mm
- ⑦ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 380mm
- ⑧ SUB-BASE GRANULAR MATERIAL, TYPE C

NOTE: FOR FURTHER INFORMATION REGARDING SE, SEE CURVE DATA ON PLAN SHEETS AND PAVEMENT ELEVATIONS ON SHEET NO. 27

TABLE 2

PROPOSED THICKNESS HOT-MIX ASPHALT PAVEMENT (FULL DEPTH)

STA 30+760.000 TO STA 32+895.000	- 380mm
STA 32+895.000 TO STA 33+700.000	- 280mm
STA 33+700.000 TO STA 35+150.000	- 380mm

PROPOSED THICKNESS SUB-BASE GRANULAR MATERIAL

STA 30+760.000 TO STA 32+895.000	- 180mm
STA 32+895.000 TO STA 33+700.000	- 80mm
STA 33+700.000 TO STA 35+150.000	- 180mm

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS

FAP ROUTE 310
 FAP ROUTE 310 SECTION 60-14-2, 60-14-2B
 MADISON COUNTY

DRAWN BY BANDY
 CHECKED BY STEUART

DATE