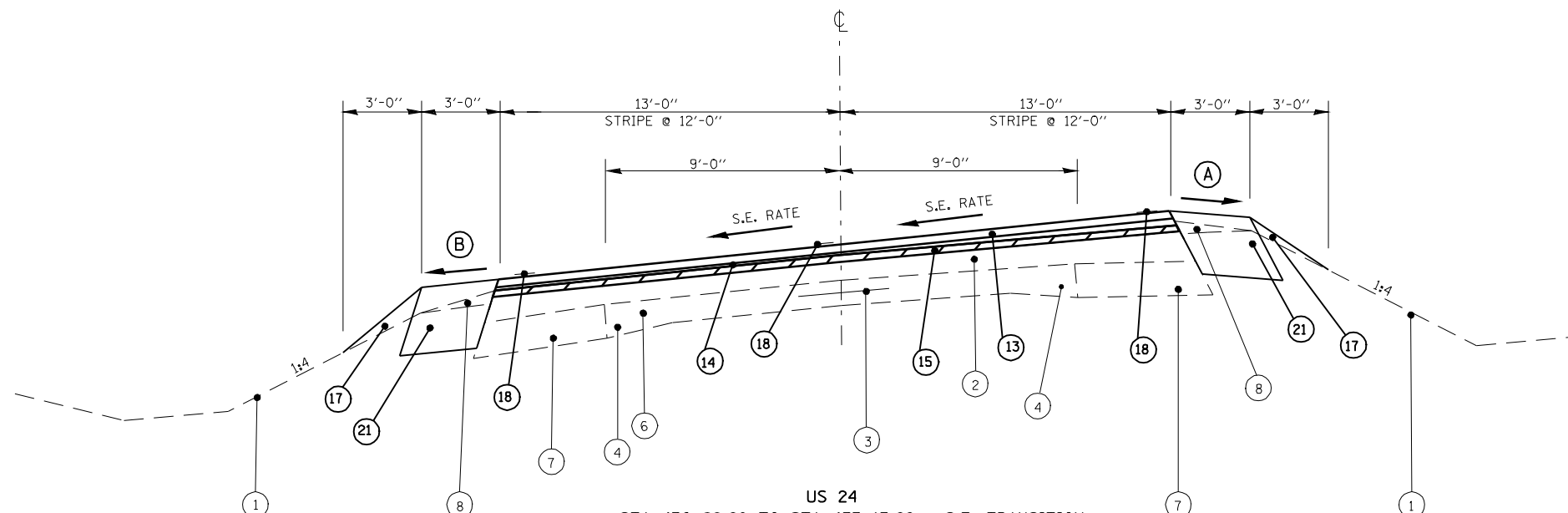


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	14RS-5, 15RS-2	SCHUYLER	23	8
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



US 24  
 STA 430+88.62 TO STA 433+13.62 - S.E. TRANSITION  
 STA 433+13.62 TO STA 438+28.62 - FULL S.E. - 6.5%  
 STA 438+28.62 TO STA 440+53.62 - S.E. TRANSITION  
 TRANSITION LENGTH - 225 FEET

STA 475+42.72 TO STA 477+72.72 - S.E. TRANSITION  
 STA 477+72.72 TO STA 486+77.86 - FULL S.E. - 7.5%  
 STA 486+77.86 TO STA 489+07.86 - S.E. TRANSITION  
 TRANSITION LENGTH - 230 FEET

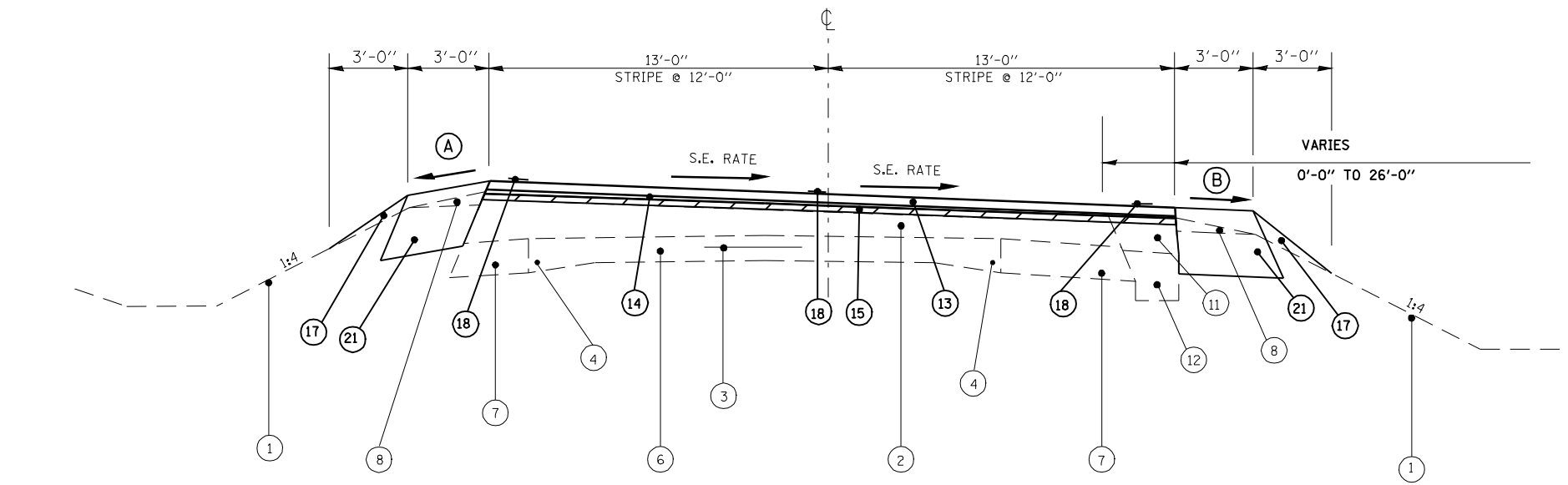
STA 666+70.64 TO STA 669+00.64 - S.E. TRANSITION  
 STA 669+00.64 TO STA 680+19.81 - FULL S.E. - 7.5%  
 STA 680+19.81 TO STA 682+49.81 - S.E. TRANSITION  
 TRANSITION LENGTH - 230 FEET

STA 1292+23.86 TO STA 1293+63.86 - S.E. TRANSITION  
 STA 1293+63.86 TO STA 1295+71.88 - FULL S.E. - 3.6%  
 STA 1295+71.88 TO STA 1297+11.88 - S.E. TRANSITION  
 TRANSITION LENGTH - 140 FEET

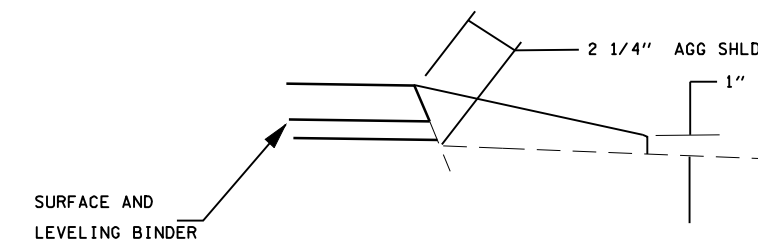
**LEGEND**

- ① EXISTING EARTH SHOULDERS
- ② EXISTING BITUMINOUS CONCRETE OVERLAY (DEPTH VARIES)
- ③ EXISTING 1/2" Ø TIE BAR
- ④ EXISTING 3/4" Ø SMOOTH BAR
- ⑤ EXISTING PCC PAVEMENT
- ⑥ EXISTING P.C.C. PAVEMENT (9-6-9)
- ⑦ EXISTING BITUMINOUS CONCRETE WIDENING (9")
- ⑧ EXISTING AGGREGATE SHOULDER TY. B
- ⑨ EXISTING BITUMINOUS SHOULDER (8")
- ⑩ EXISTING TYPE A CONCRETE GUTTER
- ⑪ EXISTING BITUMINOUS BASE COURSE 10 1/4"
- ⑫ EXISTING LIME MODIFIED SOIL 12"
- ⑬ PROPOSED HMA SURFACE COURSE, MIX "C" N50 - 1 1/2"
- ⑭ PROPOSED LEVELING BINDER (MACHINE METHOD), N50 - 3/4"
- ⑮ PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH) - 3/4" AVE
- ⑯ PROPOSED HMA SURFACE REMOVAL 2"
- ⑰ PROPOSED AGGREGATE SHOULDERS, TYPE B (WEDGE)
- ⑱ PROPOSED PAINT PAVEMENT MARKING - LINE 5"
- ⑲ PROPOSED HMA SHOULDER, - 2 1/4" (PAVEMENT) TO 1 1/2" (GUTTER)
- ⑳ PROPOSED SURFACE REMOVAL VAR. DEPTH (3/4" AT PAVEMENT TO 1 1/2" AT GUTTER)
- ㉑ PROPOSED HMA SHOULDER, 8"

- Ⓐ **SHOULDER SLOPE HIGH SIDE OF S.E. †**  
 SHOULDER SHALL BE SLOPED AT 1/2" / FT (4%) IF THE S.E. IS BETWEEN 0% AND 4%. IF THE S.E. IS GREATER THAN 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT CROSS SLOPE AND THE SHOULDER SLOPE DOES NOT EXCEED 8%. WHEN THE S.E. IS 8%, THE SHOULDER SLOPE SHALL BE 1% TOWARD THE LANES OF TRAFFIC TO FACILITATE DRAINAGE.
- Ⓑ **SHOULDER SLOPE LOW SIDE OF S.E. †**  
 SHOULDER SHALL BE THE SAME AS S.E., BUT NOT LESS THAN 4%.



US 24  
 STA 536+89.04 TO STA 539+14.09 - S.E. TRANSITION  
 TRANSITION LENGTH - 140 FEET  
 STA 539+14.09 TO STA 541+02.00 - FULL S.E. - 6%  
 STA 556+91.00 TO STA 558+79.08 - FULL S.E. - 6%  
 STA 558+79.08 TO STA 564+61.59 AHD - S.E. TRANSITION  
 TRANSITION LENGTH - 225 FEET  
 STA EQUATION 559+54.08 BK =563+11.59 AHD



**AGGREGATE SHOULDER  
 DETAIL - TYPICAL**

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTIONS**  
 FAP 317 (US 24)  
 14RS-5, 15RS-2  
 SCHUYLER COUNTY

SCALE: VERT. : NONE  
 HORIZ. : NONE  
 DATE : JUNE, 2004

DRAWN BY DJK  
 CHECKED BY CAJ

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