

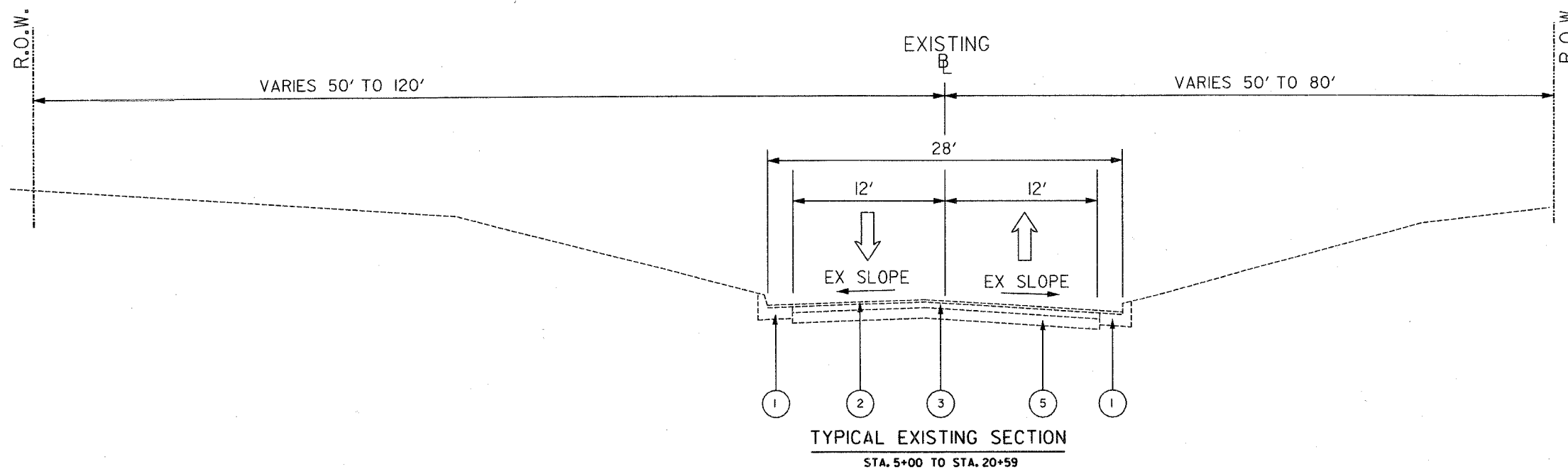
FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
125	99-0069-05-WR	LAKE	153	7
TYPICAL CROSS SECTIONS & EXISTING CONDITIONS				
CONTRACT NO. 83847		SUNSET AVENUE		

**ROW TABLE**  
(OFFSETS FROM EXISTING BASELINE)

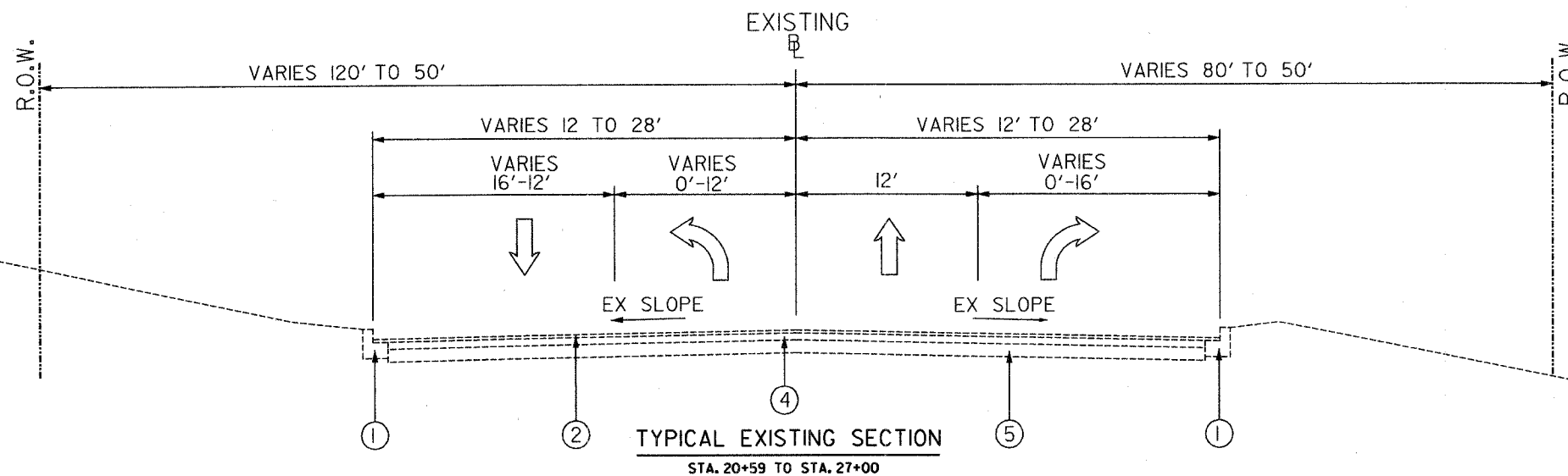
STA.	ROW LT	ROW RT
4+29.10	50.00	50.00
10+29.40	120.00	80.00
19+70.60	120.00	80.00
25+70.90	50.00	50.00
25+91.80	--	50.00
25+97.06	50.00	--
26+16.79	--	74.39
26+22.05	75.48	--
26+82.37	135.00	--
26+86.84	50.00	--
27+00.48	75.00	--
27+20.00	50.00	--
35+82.38	--	50.00-60.00
46+51.29	50.00	--
46+70.79	--	60.00
46+76.41	76.41	--
46+81.28	--	80.00
47+36.91	74.00	--
47+40.94	--	80.00
47+50.44	--	60.00
47+62.04	50.00	--
49+00.00	--	60.00-50.00
54.40.28	50.00	--
54+41.56	--	50.00

**EXISTING LEGEND**

- ① EXISTING B-6.12 CURB AND GUTTER TO BE REMOVED
- ② 1 1/2" BITUMINOUS OVERLAY (BY RECORDS)
- ③ 5 1/2" BITUMINOUS PAVEMENT (BY RECORDS)
- ④ 8 1/2" BITUMINOUS PAVEMENT (BY RECORDS)
- ⑤ 10" BITUMINOUS AGGREGATE MIX (BY RECORDS)



**TYPICAL EXISTING SECTION**  
STA. 5+00 TO STA. 20+59



**TYPICAL EXISTING SECTION**  
STA. 20+59 TO STA. 27+00

**FLEXIBLE PAVEMENT DESIGN**

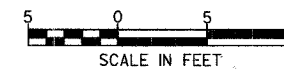
DATE = 04-19-06  
PROJECT = SUNSET AVENUE (WEST OF NW AVE)  
YEAR OF ADT = 2006  
ADT = 14141  
ANNUAL GROWTH PERCENTAGE (NON-COMPOUNDED) = 3%  
GROWTH = 3% PER YEAR x 1/2 DESIGN PERIOD x ADT = 4242  
SPECIAL ADJUSTMENTS FOR KNOWN DEVELOPMENT = 0  
DESIGN PERIOD IN YEARS = 20  
CONSTRUCTION YEAR = 2006  
STRUCTURAL DESIGN TRAFFIC (SDT) = 18383  
PC = 95.7% = 17593  
SU = 3% = 551  
MU = 1.3% = 239  
LOAD LIMIT (73,280 STANDARD) OR 80,000 = 80000  
CLASS ROAD (1,2,3,4) = 1  
SUBGRADE SUPPORT RATING = POOR  
FLEXIBLE TRAFFIC FACTOR (TF) = 1.71  
SELECTED DESIGN AC TYPE = PG 64-22 (OLD AC-20)  
DESIGN AC MIXTURE TEMPERATURE (DEGREES F) = 76  
DESIGN BITUMINOUS CONCRETE MODULES = 650  
DESIGN AC MICROSTRAIN = 91.4  
PAVEMENT THICKNESS REQUIRED (INCHES) = 10.25  
SUBGRADE = 12" GRAVEL

**FLEXIBLE PAVEMENT DESIGN**

DATE = 04-19-06  
PROJECT = SUNSET AVENUE (EAST OF NW AVE)  
YEAR OF ADT = 2006  
ADT = 16513  
ANNUAL GROWTH PERCENTAGE (NON-COMPOUNDED) = 3%  
GROWTH = 3% PER YEAR x 1/2 DESIGN PERIOD x ADT = 4954  
SPECIAL ADJUSTMENTS FOR KNOWN DEVELOPMENT = 0  
DESIGN PERIOD IN YEARS = 20  
CONSTRUCTION YEAR = 2006  
STRUCTURAL DESIGN TRAFFIC (SDT) = 21467  
PC = 97% = 20823  
SU = 2.1% = 451  
MU = 0.9% = 193  
LOAD LIMIT (73,280 STANDARD) OR 80,000 = 80000  
CLASS ROAD (1,2,3,4) = 1  
SUBGRADE SUPPORT RATING = POOR  
FLEXIBLE TRAFFIC FACTOR (TF) = 1.40  
SELECTED DESIGN AC TYPE = PG 64-22 (OLD AC-20)  
DESIGN AC MIXTURE TEMPERATURE (DEGREES F) = 76  
DESIGN BITUMINOUS CONCRETE MODULES = 650  
DESIGN AC MICROSTRAIN = 97  
PAVEMENT THICKNESS REQUIRED (INCHES) = 9.75  
SUBGRADE = 12" GRAVEL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
DESCRIPTION	AC TYPE	AIR VOIDS	THICKNESS
TEMPORARY PAVEMENT	PG 64-22 *	4% @ 50 GYRATION	8"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	PG 64-22	4% @ 70 GYRATION	1 1/2" & 2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22 *	4% @ 70 GYRATION	8 1/4" & 8 1/2"
VARIABLE DEPTH HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22 *	4% @ 70 GYRATION	1 3/4"-1"
CLASS D PATCHES, TYPES I-IV	PG 64-22 *	4% @ 70 GYRATION	10" BINDER

- NOTES:  
1.) THE UNIT WEIGHT USED TO CALCULATE BITUMINOUS SURFACE MIXTURES IS 115 LB/SY PER IN THICKNESS.  
2.) \* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



REVISIONS	
NAME	DATE



**SUNSET AVENUE**  
**TYPICAL CROSS SECTIONS**  
**EXISTING CONDITIONS**

DATE	
BY	
REVISIONS	
PLAN	
NOTE BOOK	
No.	

DATE	
BY	
REVISIONS	
PROFILE	
NOTE BOOK	
No.	