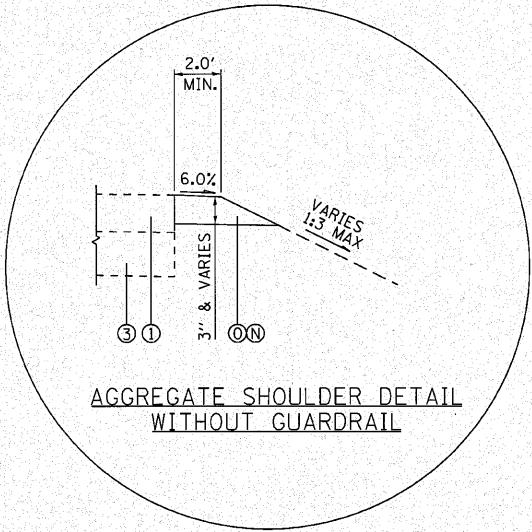


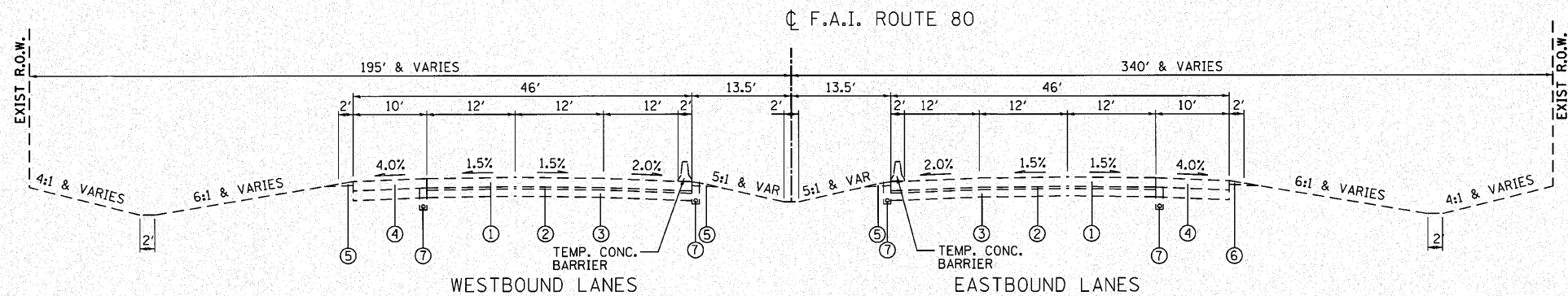
AGGREGATE SHOULDER DETAIL WITH GUARDRAIL**

** FOR AGGREGATE SHOULDER DETAILS AT TYPE I (SPECIAL) TERMINALS, SEE STANDARD 630301



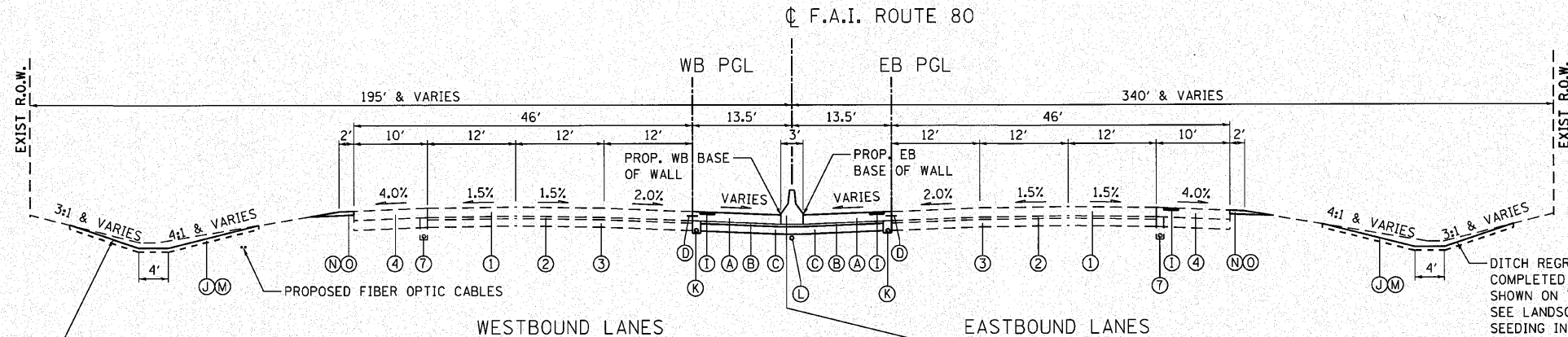
AGGREGATE SHOULDER DETAIL WITHOUT GUARDRAIL

DITCH REGRADING TO BE COMPLETED AT LOCATIONS SHOWN ON THE DRAINAGE PLANS. SEE LANDSCAPING PLANS FOR SEEDING INFORMATION.



EXISTING TYPICAL CROSS SECTION

F.A.I. ROUTE 80
NS RAILROAD TO U.S. ROUTE 45
STA. 882+50 TO STA. 910+30
STA. 927+35 TO STA. 948+26
STA. 966+82 TO STA. 1066+60
(LOOKING EAST)



PROPOSED TYPICAL SECTION

F.A.I. ROUTE 80
NS RAILROAD TO U.S. ROUTE 45
STA. 882+50 TO STA. 910+30
STA. 927+35 TO STA. 948+26
STA. 966+82 TO STA. 1066+60
(LOOKING EAST)

PROPOSED LEGEND

- (A) PORTLAND CEMENT CONCRETE SHOULDER, 12 1/4" (48300705)
- (B) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2" (31200502)
- (C) AGGREGATE SUBGRADE, 12" (20001050)
- (D) DRILL AND GROUT #6 TIE BARS (AS PER STANDARD 420001) (INCLUDED IN THE COST FOR PROPOSED PCC SHOULDER, 12 1/4")
- (E) CONCRETE BARRIER BASE (63700900)
- (F) CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (63700275)
- (G) CONCRETE BARRIER, DOUBLE FACE (SPECIAL) (X0326445)
- (H) CONCRETE BARRIER, VARIABLE CROSS SECTION, 42" HEIGHT (X6370250)
- (I) SHOULDER RUMBLE STRIP (AS PER STANDARD 642001) (64200105)
- (J) TOPSOIL FURNISH AND PLACE, 4" (21101615)
- (K) PIPE UNDERDRAIN, 6" (60107700)
- (L) CONDUIT IN TRENCH, 4" DIA., PVC (81013000)
- (M) EARTH EXCAVATION (20200100)
- (N) AGGREGATE SHOULDERS, TYPE B (48101200)
- (O) GRADING AND SHAPING SHOULDERS (X2020110)

EXISTING LEGEND

- (1) CRC PAVEMENT 12-1/4"
- (2) STABILIZED SUB-BASE 4"
- (3) AGGREGATE SUBGRADE 12"
- (4) PCC SHOULDER 12-1/4"
- (5) AGGREGATE SHOULDER TYPE B, 6"
- (6) AGGREGATE SHOULDER TYPE A, 6"
- (7) PIPE UNDERDRAIN 6"

NOTES:
-SEE ROADWAY PLAN & PROFILE SHEETS FOR SHOULDER SLOPES

-MAXIMUM ROLLOVER FROM INSIDE SHOULDER TO EDGE OF PAVEMENT IS 8.0%

-POROUS GRANULAR EMBANKMENT, SUBGRADE AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION ARE TO BE CONSTRUCTED BENEATH THE AGGREGATE SUBGRADE WHERE UNSUITABLE OR UNSTABLE SOILS EXIST. THE TABLE BELOW INDICATES THE LOCATIONS WHERE SUCH SOILS ARE ANTICIPATED. THE ACTUAL LOCATIONS SHALL BE DETERMINED BY THE ENGINEER. SEE GENERAL NOTES FOR MORE INFORMATION.

STATION	TO	STATION
968+50		974+00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ NDES
STABILIZED SUB-BASE - HOT MIX ASPHALT, 4 1/2" (BINDER IL-19mm)	2% & 30 GYR.

NOTE:
HMA MIX SHALL BE PG 64-22 OR AS SPECIFIED IN THE "USE OF RAP" DISTRICT ONE SPECIAL PROVISION.

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ENGINEERING CONSULTANT
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Email: clorba@clorba.com

USER NAME = jkjoeliman	DESIGNED - CRC	REVISED -
PLOT SCALE = 10,000' / IN.	DRAWN - JMK	REVISED -
PLOT DATE = 12/6/2010	CHECKED - MRJ	REVISED -
	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
TYPICAL SECTIONS

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	12
			CONTRACT NO. 60M59	
ILLINOIS FED. AID PROJECT				