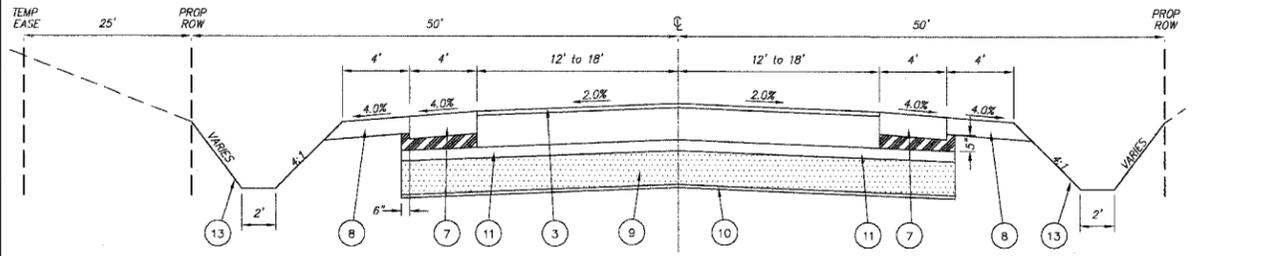
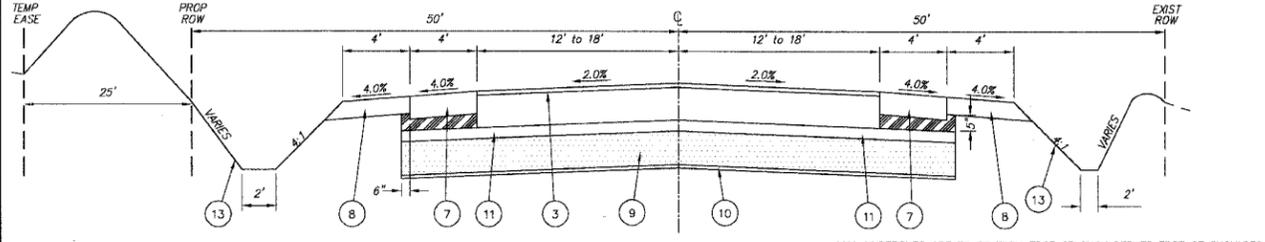


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3873	00-00243-00-FP	MCHENRY	84	7
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS HIGHWAY PROJECT		



ACKMAN ROAD - PROPOSED TYPICAL SECTION
STA 100+00 to STA 113+00

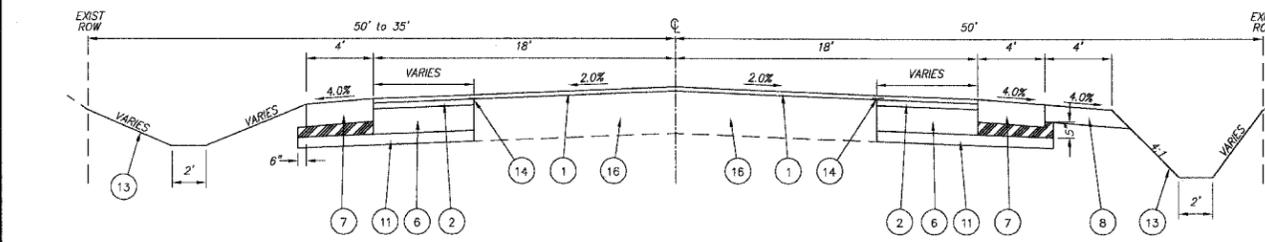
*ALL UNDERCUTS ARE TO BE FROM EDGE OF SHOULDER TO EDGE OF SHOULDER
PGES, 16" W/FABRIC & UNDERDRAIN - STA. 100+00 TO STA. 102+50
PGES, 24" W/FABRIC - STA. 107+00 TO STA. 113+50



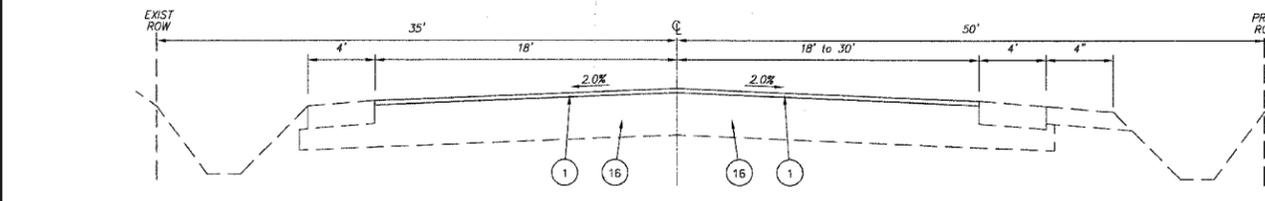
ACKMAN ROAD - PROPOSED TYPICAL SECTION
STA 113+00 to STA 140+00

*BERM ALONG GOLF COURSE FROM STA 121+50 TO STA 134+50

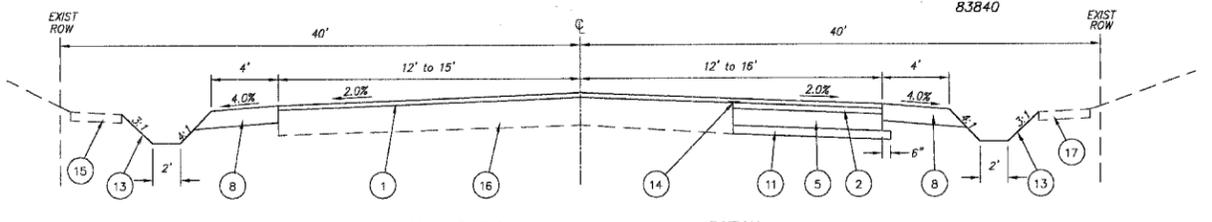
*ALL UNDERCUTS ARE TO BE FROM EDGE OF SHOULDER TO EDGE OF SHOULDER
PGES, 24" W/FABRIC - STA. 107+00 TO STA. 113+50
PGES, 24" W/UNDERDRAIN - STA. 126+00 TO STA. 132+00
PGES, 10" W/UNDERDRAIN - STA. 132+00 TO STA. 135+00



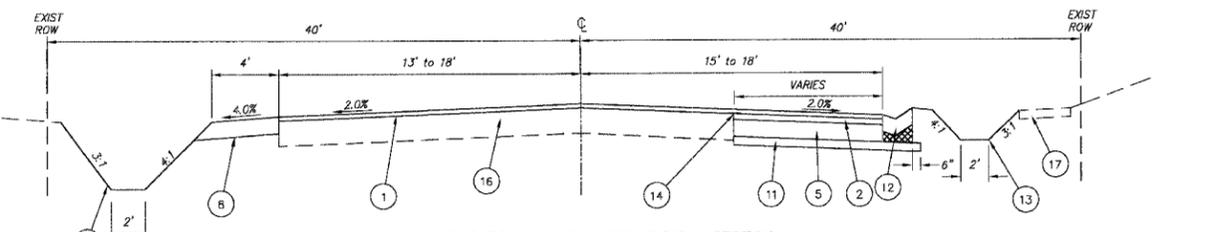
ACKMAN ROAD - PROPOSED TYPICAL SECTION
STA 140+00 to STA 141+58



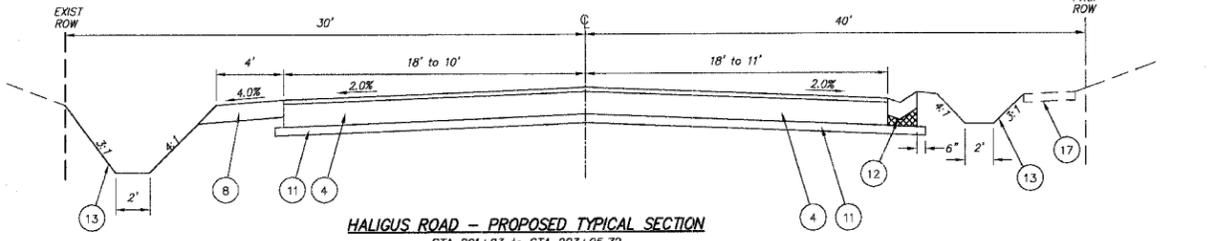
ACKMAN ROAD - PROPOSED TYPICAL SECTION
STA 141+58 to STA 145+82.20



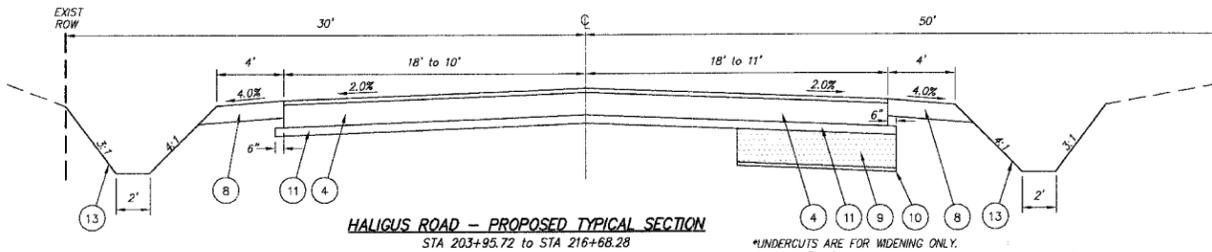
HALIGUS ROAD - PROPOSED TYPICAL SECTION
STA 198+10 to STA 200+43



HALIGUS ROAD - PROPOSED TYPICAL SECTION
STA 200+43 to STA 201+83



HALIGUS ROAD - PROPOSED TYPICAL SECTION
STA 201+83 to STA 203+95.72



HALIGUS ROAD - PROPOSED TYPICAL SECTION
STA 203+95.72 to STA 216+68.28

*UNDERCUTS ARE FOR WIDENING ONLY.
PGES, 18" W/UNDERDRAIN - STA. 203+00 TO STA. 207+50
PGES, 16" W/FABRIC & UNDERDRAIN - STA. 207+50 TO STA. 209+50
PGES, 24" W/FABRIC & UNDERDRAIN - STA. 209+50 TO STA. 214+50

	POROUS GRANULAR EMBANKMENT, SUBGRADE
	ADDITIONAL SUB-BASE MATERIAL NEEDED TO ACHIEVE CORRECT ELEVATION TO BE CONSIDERED INCIDENTAL TO THE CONCRETE GUTTER, TYPE B
	ADDITIONAL SUB-BASE MATERIAL NEEDED TO ACHIEVE CORRECT ELEVATION TO BE CONSIDERED INCLUDED IN THE SUB-BASE GRANULAR MATERIAL PAY ITEM

"POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINE IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO COMPENSATION WILL BE DUE THE CONTRACTOR. THE LIMITS OF THE PGES SHALL EXTEND 6" BEYOND THE EDGE OF THE BITUMINOUS SHOULDER (OR EDGE OF PAVEMENT IF NO BITUMINOUS SHOULDER).

- LEGEND**
- | | |
|---|---|
| 1 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70, 1.5" | 9 POROUS GRANULAR EMBANKMENT, SUBGRADE |
| 2 BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70, 2.5" | 10 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION |
| 3 BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 13" (BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70, 2") (BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70, 11") | 11 SUBBASE GRANULAR MATERIAL, TYPE B, 4" |
| 4 BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 10" (BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70, 2") (BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70, 8") | 12 CONCRETE GUTTER, TYPE B |
| 5 BITUMINOUS BASE COURSE, SUPERPAVE, 6" | 13 TOPSOIL FURNISH AND PLACE 6" & SEEDING (SPECIAL) |
| 6 BITUMINOUS BASE COURSE, SUPERPAVE, 9" | 14 STRIP REFLECTIVE CRACK CONTROL TREATMENT |
| 7 BITUMINOUS SHOULDER, SUPERPAVE, 8" | 15 EXISTING SIDEWALK |
| 8 AGGREGATE SHOULDER, TYPE B, 6" | 16 EXISTING PAVEMENT TO REMAIN |
| | 17 EXISTING BITUMINOUS BIKE PATH |

REVISIONS	
NAME	DATE
7.	
6.	
5.	
4.	
3.	
2.	
1.	

SMITH ENGINEERING CONSULTANTS, INC.
CIVIL/STRUCTURAL ENGINEERS AND SURVEYORS
4000 PRIME PARKWAY, SUITE 501
MCHENRY, ILLINOIS 60050
PH: 815-385-1776 FAX: 815-385-1701
WWW.SMITHENGINEERING.COM E-MAIL: SEC@SMITHENGINEERING.COM
MCHENRY HUNTLEY YORKVILLE
ILLINOIS PROFESSIONAL DESIGN FIRM # 184-000108

MCHENRY COUNTY DIVISION OF TRANSPORTATION
ACKMAN ROAD EXTENSION

PROPOSED TYPICAL CROSS SECTIONS
ACKMAN RD - HALIGUS RD

SCALE: NTS DRAWN BY MRJ
DATE 10-05-2005 CHECKED BY TEH

PLOT FILE: STANDARD
DATE: 10-05-2005
DRAWN BY: MRJ