

PROPOSED LEGEND

- ① 13" HOT MIX ASPHALT PAVEMENT (FULL-DEPTH)
- ② HOT MIX ASPHALT SHOULDER, 6"
- ③ AGGREGATE SUBGRADE, 12" •
- ④ HOT MIX ASPHALT SHOULDER, 8"
- ⑤ TOPSOIL FURNISH AND PLACE, 6"
- ⑥ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑦ SEEDING CLASS 4 (SEE LANDSCAPING PLANS FOR LIMITS)
- ⑧ AGGREGATE SHOULDER TYPE B, 6"
- ⑨ POROUS GRANULAR EMBANKMENT, SUBGRADE (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)
- ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AT LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE PLANS)

NOTES

- 1] DEPRESS CURB AND GUTTER ACCORDINGLY BASED ON STANDARDS BD0156-07 AND BD400-02
- R - DENOTES REMOVAL OR PAVEMENT BREAKING (SEE SCHEDULE FOR LOCATIONS)

SOILS NOTE:

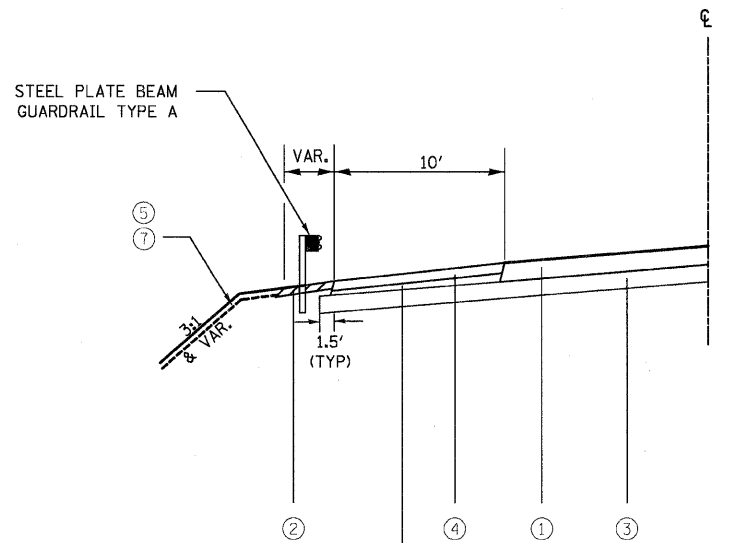
POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGE. IF UNSTABLE SOIL IS NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

THE LIMITS OF UNSTABLE SOILS ARE AT THE APPROXIMATE LOCATIONS AS FOLLOWS:

STA. TO STA.	ESTIMATED UNDERCUT DEPTH	ESTIMATED UNDERCUT
64+00 TO 69+00	12" LT/RT	327 CU YD
69+00 TO 72+00	12" (LT) / 24" (RT)	486 CU YD
72+00 TO 73+00	12" LT/RT	84 CU YD
73+00 TO 74+00	24" (LT) / 12" (RT)	408 CU YD
74+00 TO 76+00	24" LT/RT	652 CU YD
76+00 TO 78+00	12" LT/RT	324 CU YD

THE PLACEMENT OF 4" UNDERDRAINS ARE AT LOCATIONS AS FOLLOWS:

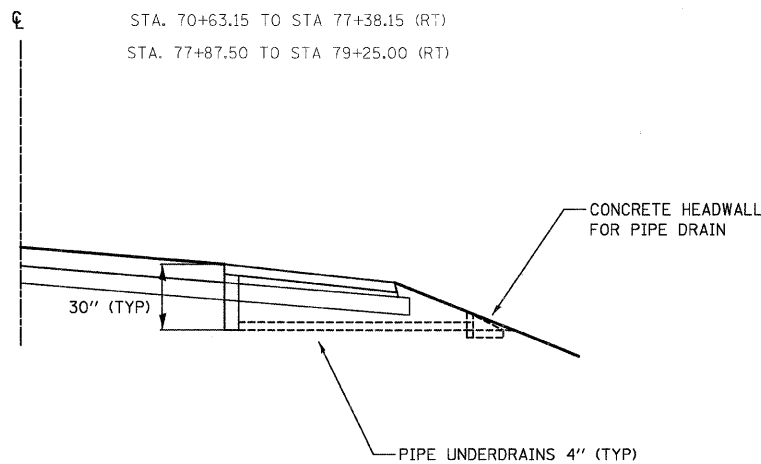
STA.	ESTIMATED LENGTH
64+25	75.61'
81+00	79.75'



* ADDITIONAL AGGREGATE SUBGRADE UNDER SHOULDER TO BE INCLUDED IN THE COST OF AGGREGATE SUBGRADE, 12"

GUARDRAIL DETAIL
ILLINOIS ROUTE 23

- STA. 66+29.35 TO STA 67+72.50 (LT)
- STA. 70+63.15 TO STA 73+13.15 (LT)
- STA. 73+48.20 TO STA 77+35.70 (LT)
- STA. 77+85.70 TO STA 79+85.00 (LT)
- STA. 65+66.85 TO STA 67+72.50 (RT)
- STA. 70+63.15 TO STA 77+38.15 (RT)
- STA. 77+87.50 TO STA 79+25.00 (RT)



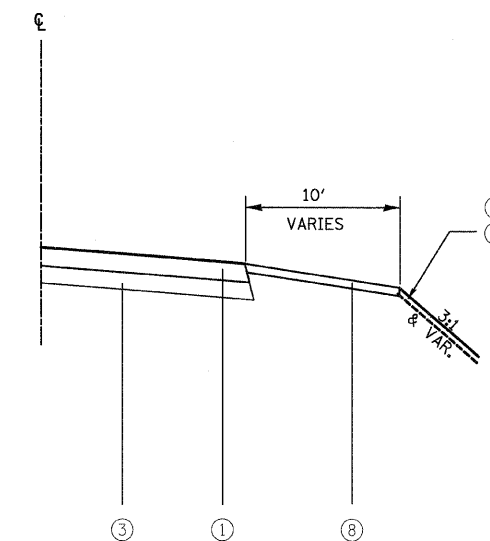
4" UNDERDRAIN DETAIL
ILLINOIS ROUTE 23

- STA. 64+25 (LT & RT)
- STA. 81+00 (LT & RT)
- (REFER TO STANDARD 601001-02)

ILLINOIS ROUTE 23
(HOT MIX ASPHALT PAVEMENT)

STATION 59+00.00 TO STATION 89+00.00

STRUCTURAL DESIGN TRAFFIC:	Year: 2017
PV = 7,857	SU = 790 MU = 651
ROAD/STREET CLASSIFICATION:	Class II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 50%	S = 50% M = 50%
TRAFFIC FACTOR: Actual TF = 3.41	
Minimum TF = 3.81	
SUBGRADE SUPPORT RATING:	
SSR = POOR	(STA 59+00.00 TO STA 89+00.00)



AGGREGATE SHOULDER DETAIL
ILLINOIS ROUTE 23

- STA. 85+43.22 TO STA 89+00.00 (RT)
- STA. 88+27.64 TO STA 89+00.00 (LT)

FILE NAME =	USER NAME = *USER*	DESIGNED - GJM	REVISED - 5/13/2008	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - GJM	REVISED - 7/18/2008			324	23B-1	MCHENRY	97	9	
	PLOT SCALE = #SCALE#	CHECKED - EJL	REVISED - 9/30/2008			CONTRACT NO. 62892					
	PLOT DATE = 9/30/2008	DATE - 3/11/2008	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
				SCALE: NONE SHEET NO. 3 OF 3 SHEETS STA. 59+00 TO STA. 89+00							