

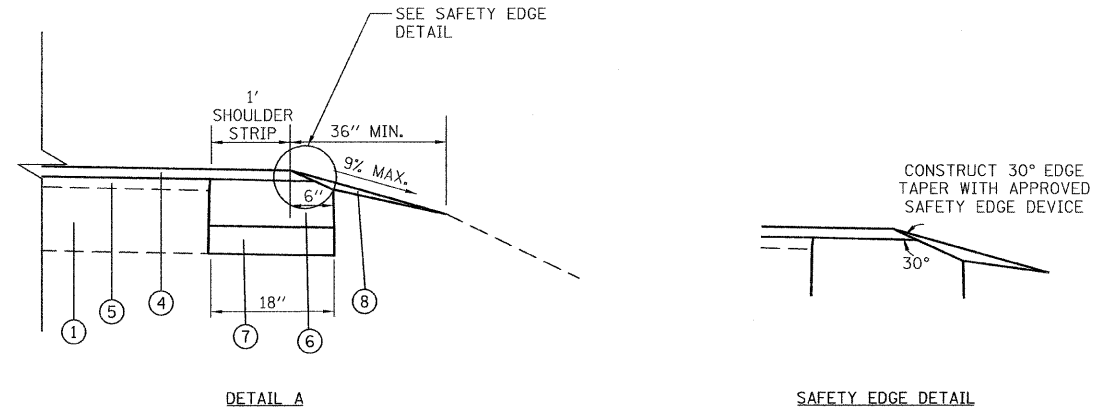
- LEGEND**
- ① EXISTING HMA PAVEMENT, 5" & VARIES
 - ② EXISTING AGGREGATE BASE COURSE, 6" & VARIES
 - ③ EXISTING AGGREGATE SHOULDER
 - ④ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
 - ⑤ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"
 - ⑥ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4" (18" WIDE)
 - ⑦ SUB-BASE GRANULAR MATERIAL, TYPE B 4"
 - ⑧ AGGREGATE WEDGE SHOULDERS, TYPE B
 - ⑨ CLASS D PATCHES, 6", AS DIRECTED BY THE ENGINEER
 - ⑩ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND REPLACEMENT WITH POROUS GRANULAR EMBANKMENT, SUBGRADE AS DIRECTED BY THE ENGINEER
 - ⑪ TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT (GRADING TO CONSTRUCTION LIMIT LINE - SEE PLANS)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

THE CONTRACTOR SHALL MILL BEFORE PATCHING.

MIXTURE TYPE	AIR VOIDS @ Ndes
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"	4% @ 50 GYRATIONS
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 1"	4% @ 50 GYRATIONS
HMA BINDER COURSE, IL-19.0, N50, 4" (IN 2 LIFTS)	4% @ 50 GYRATIONS
CLASS D PATCHES (HMA BINDER IL-19 MM), 6" (IN 2 LIFTS)	4% @ 50 GYRATIONS
HOT-MIX ASPHALT DRIVEWAYS 6"	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm) 2"	4% @ 50 GYRATIONS
HMA BASE COURSE (HMA BINDER IL - 19mm) 4" (IN 2 LIFTS)	4% @ 50 GYRATIONS

NOTES: 1) THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
 2) THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.



NOTE: THE PROPOSED TOPSOIL AND SOD SHALL BE GRADED TO A 4:1 TYPICAL SLOPE OR 3:1 MAX. SLOPE TO TIE INTO EXISTING FRONT SLOPE OR SHALL BE GRADED AS SHOWN ON CROSS SECTIONS WHERE DITCHES WILL BE RELOCATED.

EARTHWORK TABLES

LOCATION	REM AND DISP OF UNSUITABLE MATERIAL (TOPSOIL STRIPPING) (CU YD)		EARTH EXCAVATION (CU YD)		EXCAVATION TO BE USED IN EMBANKMENT (ADJ FOR 15% SHRINKAGE) (CU YD)		EMBANKMENT (CU YD)		EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	
	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
SOUTH END TO NORTH END	633	645	303	322	258	273	378	409	-120	-136
TOTAL	633	645	303	322	258	273	378	409	-120	-136

EARTHWORK SUMMARY OF QUANTITIES

	LEFT	RIGHT	TOTAL
EARTH EXCAVATION	303	322	625
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (TOPSOIL STRIPPING)	633	645	1,278
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUTTING)	56		56
TOTAL REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	689	645	1,334
FURNISHED EXCAVATION	120	136	256

NOTE: THERE ARE NO CUTS, FILLS, OR TOPSOIL REMOVAL TABLES SHOWN ON THE CROSS SECTIONS BECAUSE CROSS SECTIONS ARE ONLY SHOWN IN LOCATIONS WHERE DITCHES WILL BE RELOCATED.

POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES 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 STABILITY MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.