

LEGEND

PROPOSED SECTION

- ** ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5mm), 2"
 - ** ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12 1/4"
 - ③ AGGREGATE SUBGRADE, 12"
 - ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - ⑤ PORTLAND CEMENT CONCRETE SIDEWALK, 5" (LOCATIONS SHOWN ON PLANS)
 - ⑥ TOPSOIL, FURNISH AND PLACE 4" WITH SODDING SALT TOLERANT
 - ⑦ BRICK PAVERS
 - ⑧ SIDEWALK BRICK PAVERS SHOWN ON BOTH SIDES OF SIDEWALK ON NORTHSIDE AND SOUTHSIDE OF PALATINE ROAD
 - ⑨ SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
 - ⑩ CONCRETE MEDIAN, TYPE SB-6.12
 - ⑪ CONCRETE MEDIAN, TYPE SB
- #### EXISTING SECTION
- ⑫ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N70, 3/4"
 - ⑬ HOT-MIX ASPHALT BASE COURSE WIDENING (IL-19mm), 9"
 - ⑭ STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - Ⓐ BITUMINOUS SURFACE, 1" TO 3.5", TO BE REMOVED
 - Ⓑ CONCRETE BASE COURSE, 7" TO 9", TO BE REMOVED
 - Ⓒ GRANULAR SUB-BASE, 4" TO 6", TO BE REMOVED
 - Ⓓ COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12, TO BE REMOVED
 - Ⓔ SIDEWALK TO BE REMAIN FROM SMITH TO GREELEY AND REMOVED FROM GREELEY GOING EAST. SEE PLAN AND PROFILE SHEETS FOR LOCATIONS.

** PAID AS HOT-MIX ASPHALT PAVEMENT 14 1/4" (FULL-DEPTH)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	% AIR VOIDS
FULL DEPTH PAVEMENT	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm), 2"	4% @ 90 Gyr
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12 1/4"	4% @ 90 Gyr
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"	4% @ 50 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 12 1/4"	4% @ 50 Gyr
PAVEMENT WIDENING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm), 2"	4% @ 90 Gyr
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N70, 3/4"	4% @ 70 Gyr
HOT-MIX ASPHALT BASE COURSE WIDENING (IL-19mm), 9"	4% @ 50 Gyr
TEMPORARY PAVEMENT	
TEMPORARY PAVEMENT (HOT-MIX ASPHALT BINDER IL-19mm), 10"	4% @ 50 Gyr
PATCHING	
CLASS D PATCHES, TYPE I, 9" (HOT-MIX ASPHALT BINDER IL-19mm)	4% @ 70 Gyr
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HOT-MIX ASPHALT BINDER IL-19mm)	4% @ 70 Gyr

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE COURSE MIXTURES IS 112 LBS/SQ.YD./IN AND 115 LBS/SQ.YD./IN FOR BINDER COURSE.

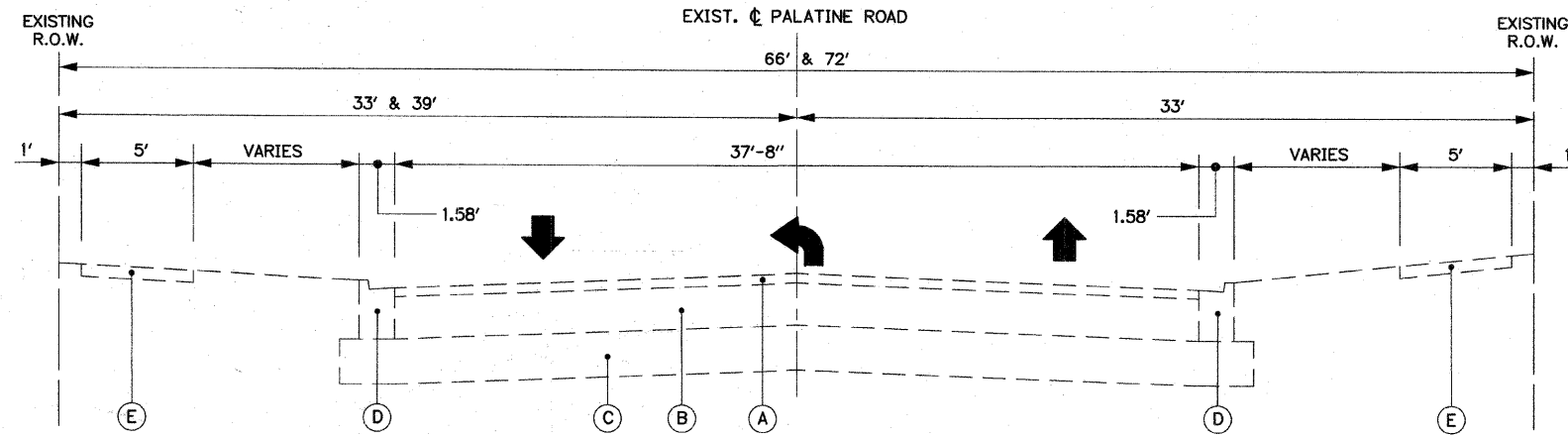
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22", UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

NOTE 2:

THE CONTRACTOR SHALL CONSTRUCT MIN. 6" SUB-BASE GRANULAR MATERIALS, TYPE B UNDER THE BRICK PAVERS AT INTERSECTIONS AND CONCRETE SIDEWALK WITH BRICK PAVERS ALONG THE EDGE ON BOTH SIDES. SEE SHEETS DET-1 & DET-2 FOR DETAILS AND LOCATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 VILLAGE OF PALATINE
 PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION
 SMITH STREET TO US 14 (NORTHWEST HIGHWAY)
TYPICAL SECTIONS
 SMITH ST. TO BROCKWAY ST.
 SCALE: VERT. N.T.S. HORIZ. N.T.S.
 DATE: OCTOBER 19, 2009
 DRAWN BY: JPW
 CHECKED BY: BA

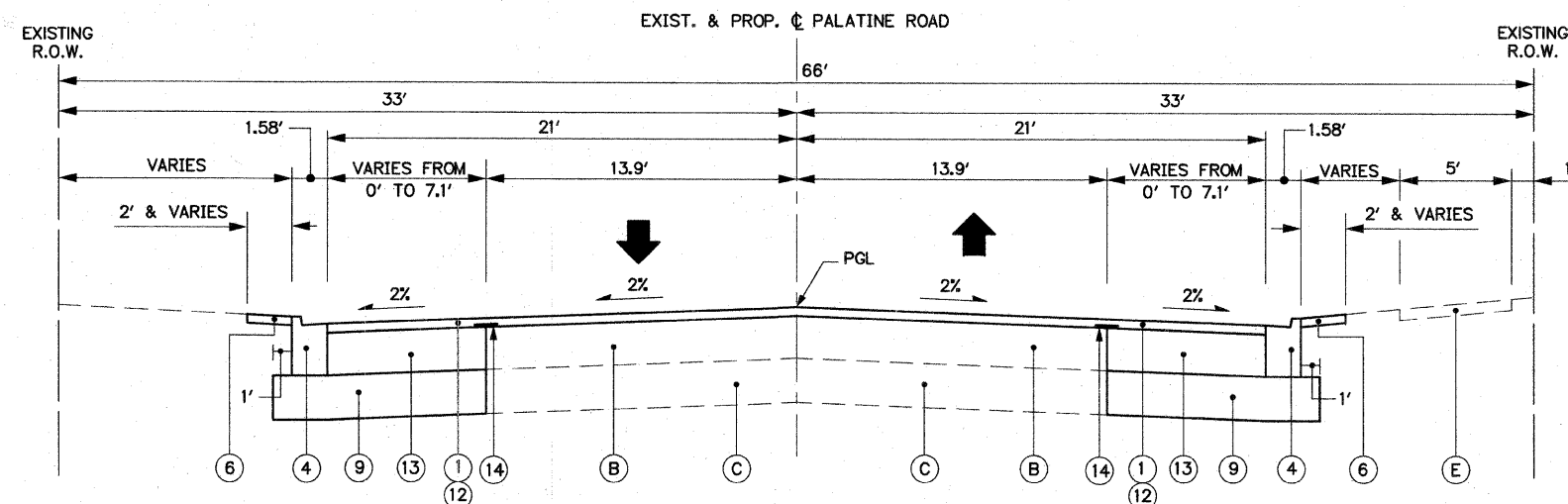


NOTE 1:

HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4" (FROM STA. 202+83.31 TO STA. 205+59.25)

EXISTING TYPICAL SECTION

STA. 202+83.31 TO STA. 208+85.00



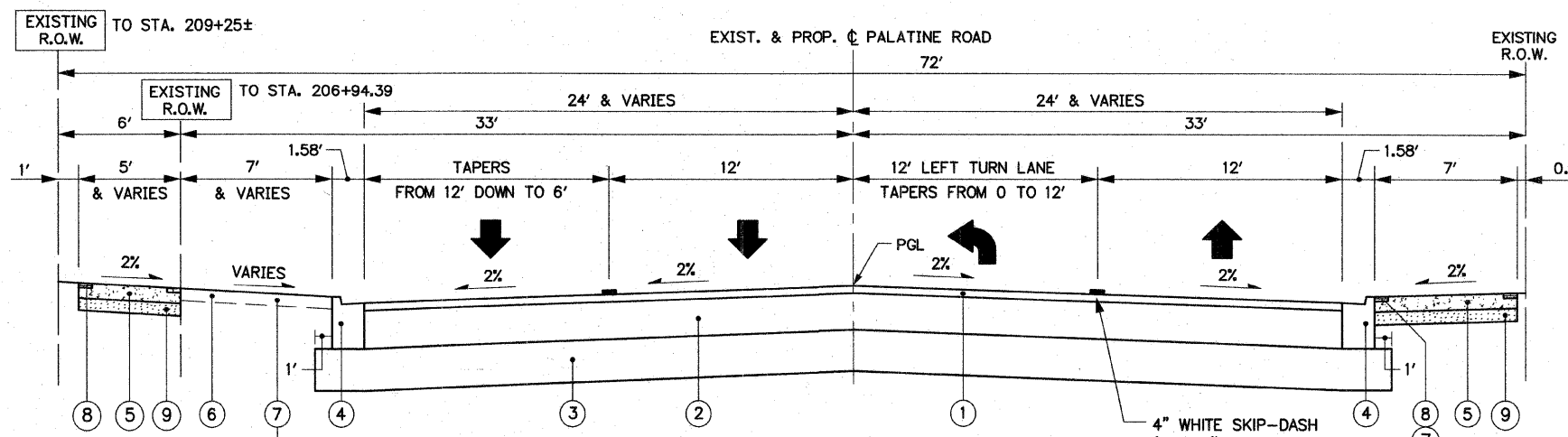
NOTE:

PAVEMENT PATCHING CLASS D AT LOCATIONS AS DIRECTED BY THE ENGINEER.

WIDENING AND RESURFACING TYPICAL SECTION

SMITH STREET TO GREELEY STREET

STA. 202+83.31 TO STA. 205+59.25



BRICK PAVERS AT INTERSECTIONS. SEE DETAIL SHEETS DET-1 FOR LOCATIONS

PROPOSED TYPICAL SECTION

STA. 205+95± TO STA. 209+25±

BRICK PAVERS AT INTERSECTIONS. SEE DETAIL SHEETS DET-1 FOR LOCATIONS