RURAL SIDE APPROACH DETAILS
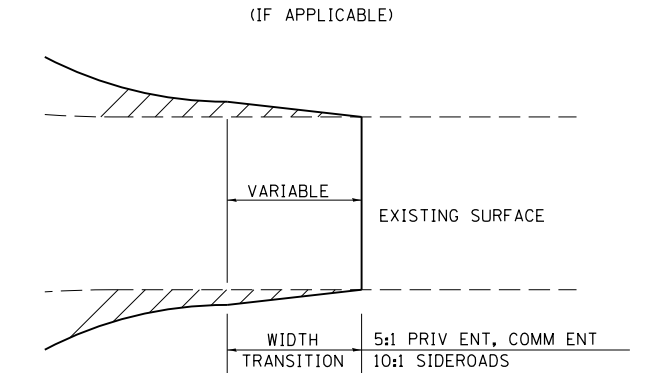
PRIVATE AND COMMERCIAL ENTRANCES

3'±
12' MIN, 24' MAX — PRIVATE ENTRANCE
14' MIN, 35' MAX — COMMERCIAL ENTRANCE
15' R MIN

AGGREGATE SHOULDER
HOT-MIX ASPHALT SHOULDER

℄ PROPOSED IMPROVEMENT

HOT-MIX ASPHALT SHOULDER
AGGREGATE SHOULDER

PRIVATE ENTRANCE / COMMERCIAL ENTRANCE
12' MIN, 24' MAX
14' MIN, 35' MAX
15' R MIN
25' R MIN

SEE MAINLINE TYPICAL SECTION

3'   3'

PRIVATE AND COMMERCIAL ENTRANCES
(PROPOSED CULVERT)

CONSTRUCTION LIMITS

SIDEROADS

B   A   B
25' R MIN

B   A   B

SIDEROADS
(PROPOSED CULVERT)

SIDEROAD DIMENSIONS (MIN.)

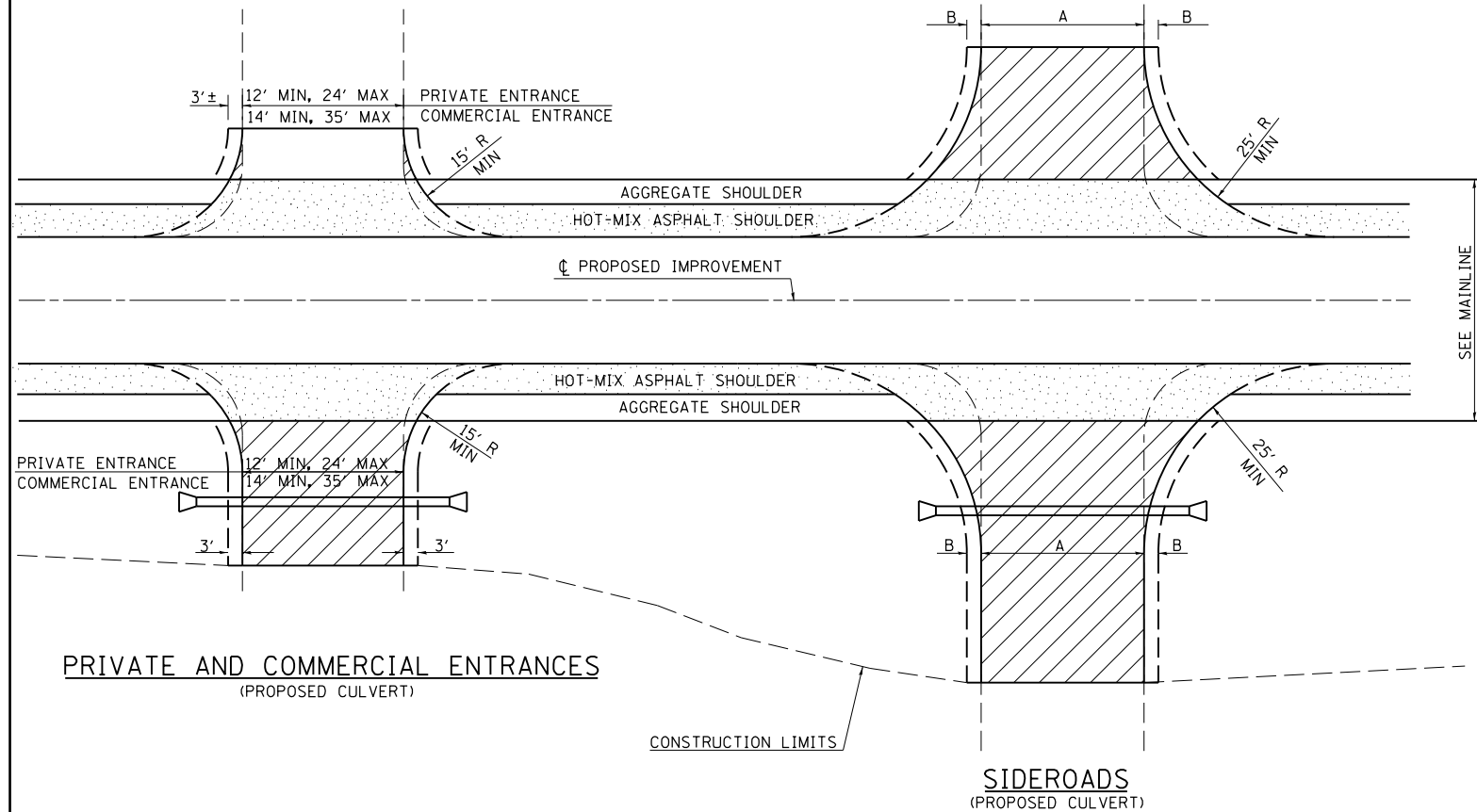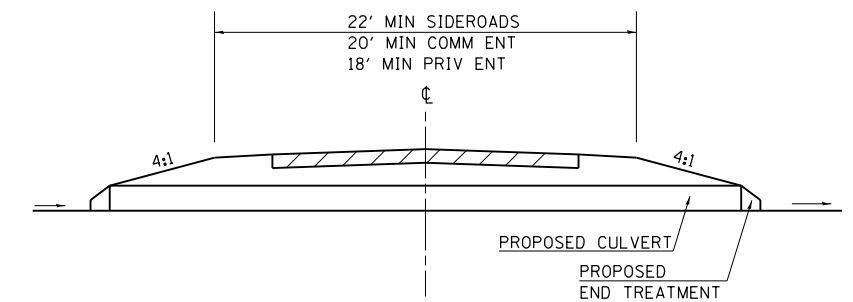| ADT	A (FT)	B (FT)
0 TO 250	18'	2'
250 TO 400	20'	2'
GREATER THAN 400	22'	4'

FIELD ENTRANCE TREATMENT

CONSTRUCT MAINLINE HOT-MIX ASPHALT AND AGGREGATE SHOULDERS THROUGH FIELD ENTRANCES.

IF A PIPE IS REQUIRED, PROVIDE A 22' WIDE EARTH EMBANKMENT WITH 15' RADII AT THE INTERSECTION.

WIDTH TRANSITION DETAIL TO EXISTING
(IF APPLICABLE)

VARIABLE   EXISTING SURFACE

WIDTH TRANSITION
5:1 PRIV ENT, COMM ENT
10:1 SIDEROADS

DETAIL FOR CALCULATING CULVERT LENGTH

22' MIN SIDEROADS
20' MIN COMM ENT
18' MIN PRIV ENT
℄

4:1   4:1

PROPOSED CULVERT
PROPOSED END TREATMENT

PRIVATE AND COMMERCIAL ENTRANCES

MAINLINE SHOULDER 5' MAX
WIDTH ①   ②
½''/FT

MAINLINE SHOULDER
WIDTH ①
VARIABLE (TO CONSTRUCTION LIMITS)
③
½''/FT
VAR SLOPE
PROPOSED CULVERT

SIDEROADS

25' MINIMUM (TO RADIUS RETURN)
MAINLINE SHOULDER | VARIABLE | 10' MAX
WIDTH ①   ④   ②
½''/FT
VAR SLOPE

VARIABLE (TO CONSTRUCTION LIMITS)
MAINLINE SHOULDER | VARIABLE
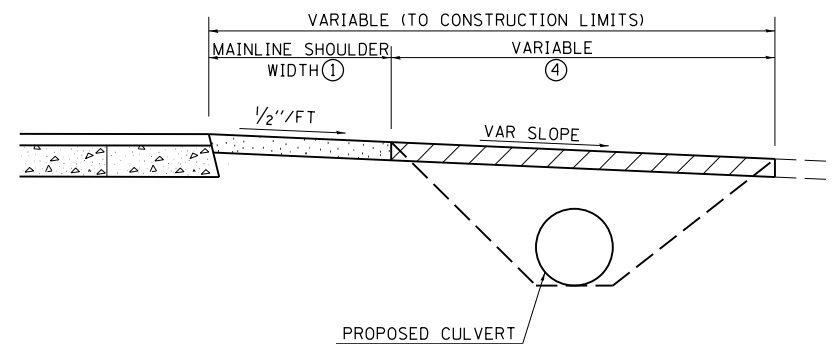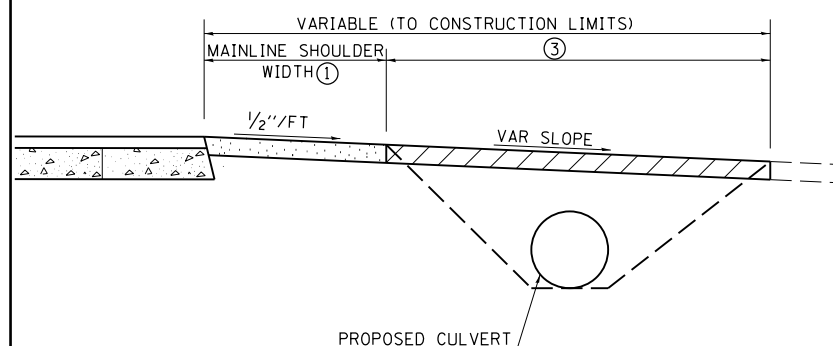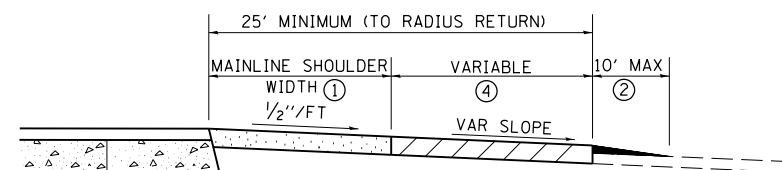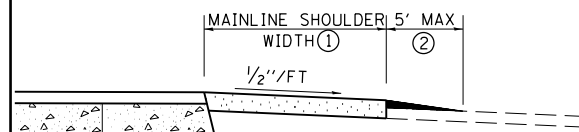WIDTH ①   ④
½''/FT
VAR SLOPE
PROPOSED CULVERT

LEGEND

① CONSTRUCT HOT-MIX ASPHALT SHOULDER "FULL SHOULDER WIDTH" THROUGH ENTRANCE/INTERSECTION UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

② IF REQUIRED, AGGREGATE TAPER FOR EXISTING GRAVEL SURFACE; HOT-MIX ASPHALT TAPER FOR EXISTING HIGHER TYPE SURFACES.

③ 6'' AGGREGATE SURFACE COURSE FOR EXISTING GRAVEL SURFACE; 2'' HOT-MIX ASPHALT RESURFACING ON 4'' AGGREGATE BASE COURSE FOR EXISTING HOT-MIX ASPHALT SURFACE; PCC DRIVEWAY PAVEMENT (6'' - PE; 7'' - CE) FOR EXISTING CONCRETE SURFACE.

④ 3'' MINIMUM HOT-MIX ASPHALT RESURFACING ON 8'' MINIMUM AGGREGATE BASE COURSE FOR EXISTING GRAVEL SURFACE OR OIL & CHIP SURFACE; MATCH EXISTING FOR EXISTING HIGHER TYPE SURFACES.

GENERAL NOTES

1. ENTRANCE LOCATIONS ARE TO COMPLY WITH IDOT'S POLICY "ACCESS TO STATE HIGHWAYS".

2. IN GENERAL, RELOCATED PRIVATE ENTRANCES ARE TO HAVE A 16' WIDE SURFACE WITH 3' WIDE SHOULDERS (22' WIDE EMBANKMENT).

3. SEE PLANS FOR PROPOSED PROFILE GRADES AT ENTRANCES/SIDEROADS. THE DESIRABLE MAXIMUM PROFILE GRADE FOR ENTRANCES ARE 12% FOR PE; 10% FOR CE.

4. ENTRANCE PIPE CULVERTS ARE TO BE A MINIMUM 15'' DIAMETER AND NORMALLY REPLACED IN KIND; SIDEROAD PIPE CULVERTS ARE GENERALLY TO BE CONCRETE (18'' MINIMUM DIAMETER).

5. THE INTERSECTION RADII OF SIDEROADS CONSTRUCTED TO FULL POLICY STANDARDS SHOULD COMPLY WITH THAT NOTED IN THE BUREAU OF LOCAL ROADS ADMINISTRATIVE POLICIES MANUAL (5-8-13).

STD. 9-83

FILE NAME =	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS	DISTRICT NINE DETAILS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw.work\pwidot\kelleykd\d0306645\78317-shtl-details.dgn		DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION		2882	(11,12)R-1	FRANKLIN	196	70
		PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -					CONTRACT NO. 78317	
$MODELNAME$		PLOT DATE = 3/22/2013	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		