

Appendix J - Schedule of Minimum Design Requirements for Subdivision Road

	Residential Streets	Major Residential Streets	Business/Industrial Access Streets
Right-of-Way	60' Minimum (See Note 1)	60' Minimum (See Note 1)	60' Minimum (See Note 1)
Horizontal Alignment	250' Radius Minimum of Centerline	361' Radius Minimum of Centerline	431' Radius Minimum of Centerline
Vertical Alignment	Maximum 8% Grade (See Note 2)	Maximum 7% Grade (See Note 2)	Maximum 7% Grade (See Note 2)
Aggregate Base Course	8" Compacted Thickness	8" Compacted Thickness	12" Compacted Thickness
Bituminous Base Course	3" Compacted Thickness	3" Compacted Thickness	4" Compacted Thickness
Bituminous Binder Course	2" Compacted Bituminous Concrete Binder Course Superpave IL-19, N-50	2" Compacted Bituminous Concrete Binder Course Superpave IL-19, N-50	2" Compacted Bituminous Concrete Binder Course Superpave IL-19, N-50
Bituminous Surface Course	2" Compacted Bituminous Concrete Surface Course Superpave Mix 'D', N-50	2" Compacted Bituminous Concrete Surface Course Superpave Mix 'D', N-50	2" Compacted Bituminous Concrete Surface Course Superpave Mix 'D', N-50
Curb & Gutter Type	Roll Type Curb & Gutter	Roll Type Curb & Gutter	B-6.12
Roadway Width	27' B-B of Curb	See Note 4	See Note 4
Cul-de-sacs	140' dia ROW 100' dia F-F of Curb	140' dia ROW 100' dia F-F of Curb	140' dia ROW 100' dia F-F of Curb
Minimum Gutter Grade	0.5%	0.5%	0.5%
Maximum Earth Slopes	6:1 (See Note 3)	6:1 (See Note 3)	6:1 (See Note 3)

Note 1: Wider right-of-way may be required if deemed necessary by the Planning and Zoning Commission or the Village Engineer.

Note 2: Maximum length vertical curves consistent with good engineering practice and compatible with the terrain shall be used between changes in grade.

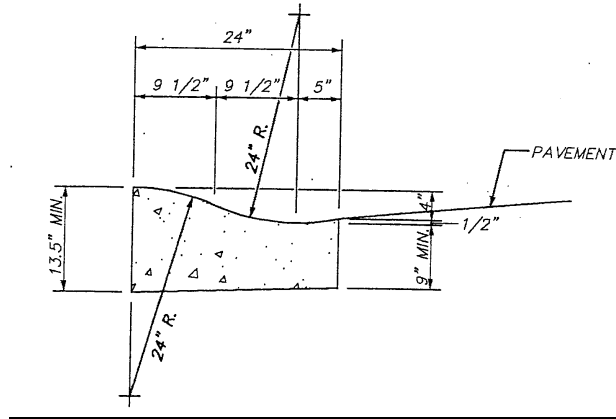
Note 3: Earth slopes shall be as flat as possible and shall in all cases be carried through the utility easement. Construction easements shall be indicated on the plat at locations where additional width is required to meet slope requirements.

Note 4: 31 ft. B-B of curb with no parking.
37 ft. B-B of curb with parking on one side.
45 ft. B-B of curb with parking on both sides.

General Notes: Return radii at all intersections shall be a minimum of 40 ft. Corner lots shall have radii such that the distance from the edge of the pavement to the right-of-way line is approximately 20 ft.

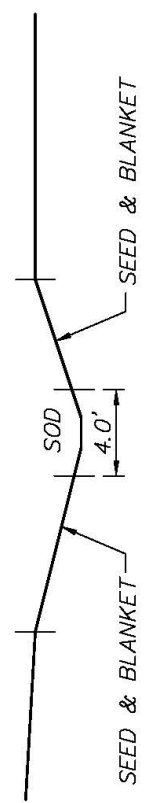
The right-of-way width for Route 173 and Route 12 shall be in accordance with IDOT's S.R.A. requirements.

ROLLED CURB (No Scale)

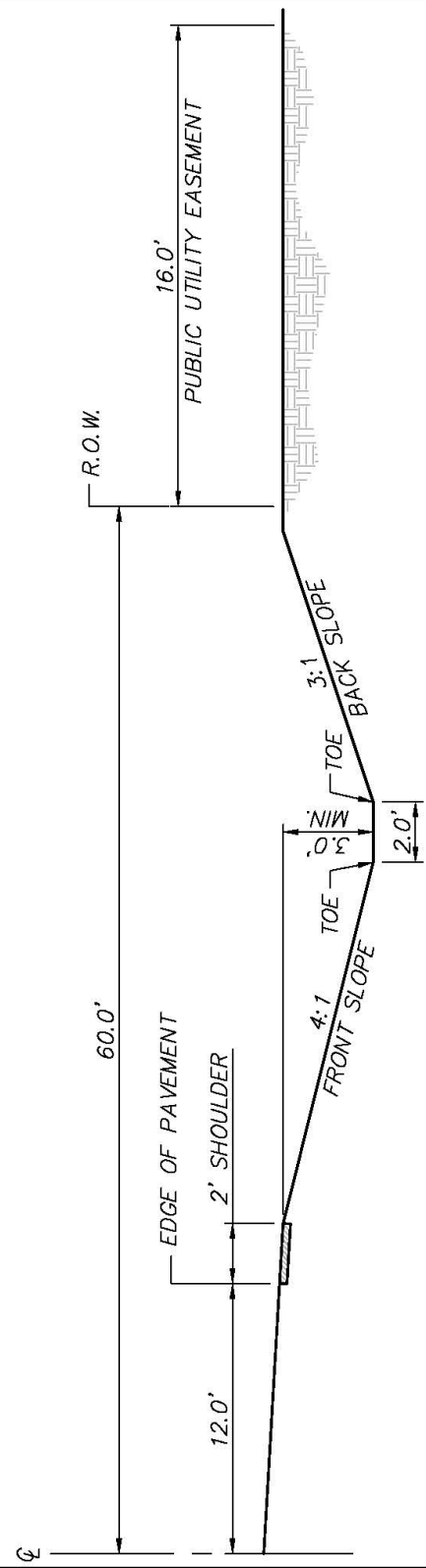


NOTES:

1. All work and material shall conform to ASTM A615, A615M, C309 and D1752. Broom finish exposed surface.
2. Contraction joint spacing 10 ft. maximum.
3. Expansion joints as per Std. ASTM D-1752.



EROSION CONTROL DETAIL
 N.T.S.



NOTES:

- 1) RESIDENTIAL DRIVEWAY CULVERTS – MIN 12"
- 2) COMMERCIAL DRIVEWAY CULVERTS – MIN 15"
- 3) MINOR RESIDENTIAL STREET CULVERTS – MIN 15"
- 4) MAJOR RESIDENTIAL STREET CULVERTS – MIN 18"
- 5) DESIGN CALCULATIONS WILL BE REQUIRED TO VERIFY SIZING
- 6) DOWNSTREAM CULVERTS NO SMALLER THAN UPSTREAM CULVERTS
- 7) MINIMUM LONGITUDINAL SLOPE = 0.5%
- 8) PLACE CULVERT 0.25' BELOW DITCH FLOWLINE
- 9) REFER TO ORDINANCE FOR ALLOWABLE MATERIAL TYPES.

VILLAGE OF SPRING GROVE
STANDARD DITCH
CROSS SECTION DETAIL

REVISIONS	DRAWN BY:	DATE:	PROJECT NO.:
1. SHB	UPH	3/24/20	06077.01
2.	DESIGNED BY:	HORIZ. SCALE:	SHEET NO.:
3.	SHB	N.T.S.	—
4.	CHECKED BY:	VERT. SCALE:	
	SHB	N.T.S.	