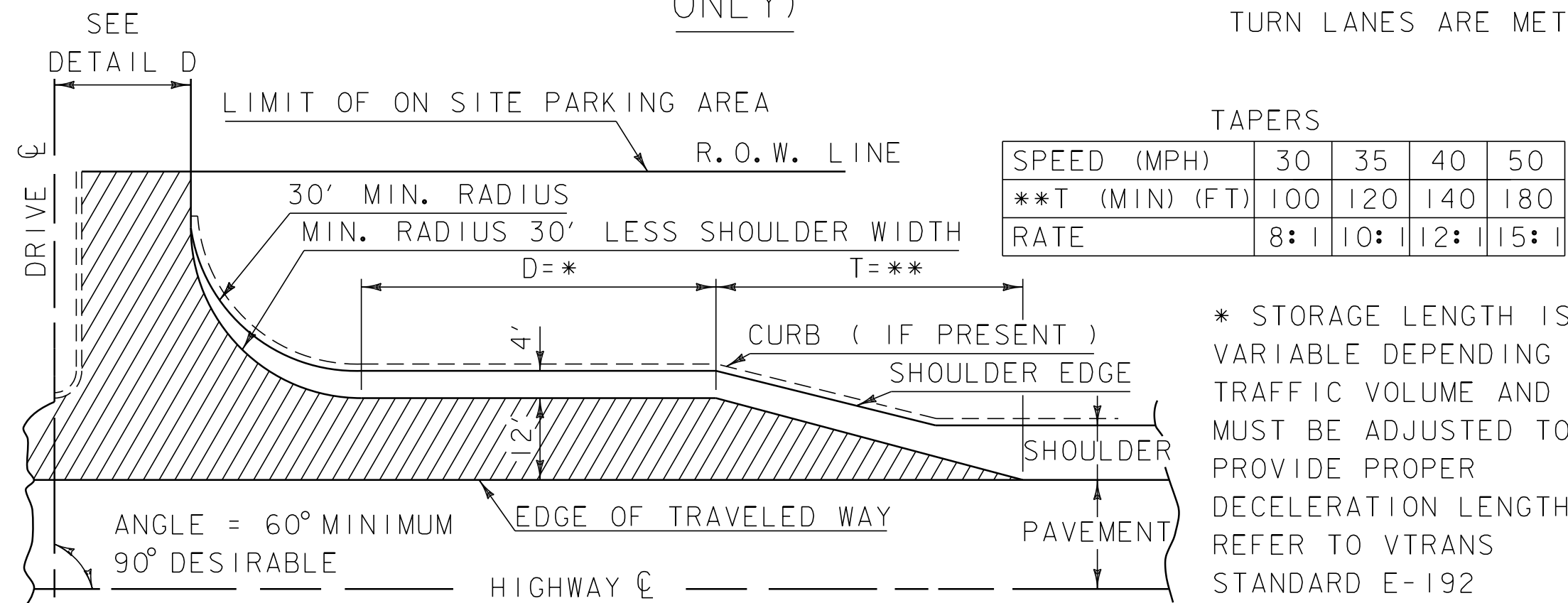
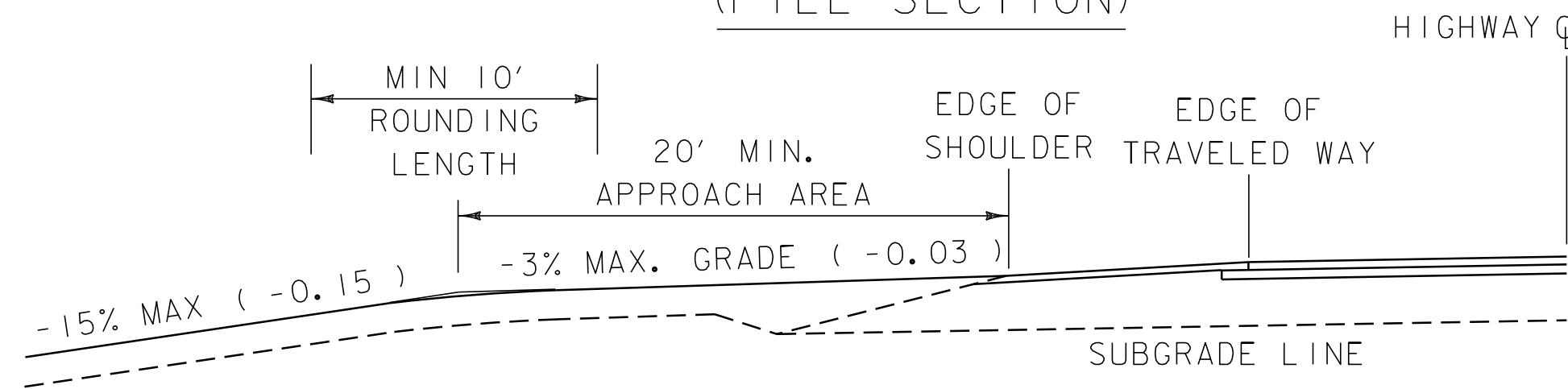


DETAIL A RIGHT TURN LANE FOR COMMERCIAL DRIVE (UNSIGNALIZED INTERSECTIONS ONLY)

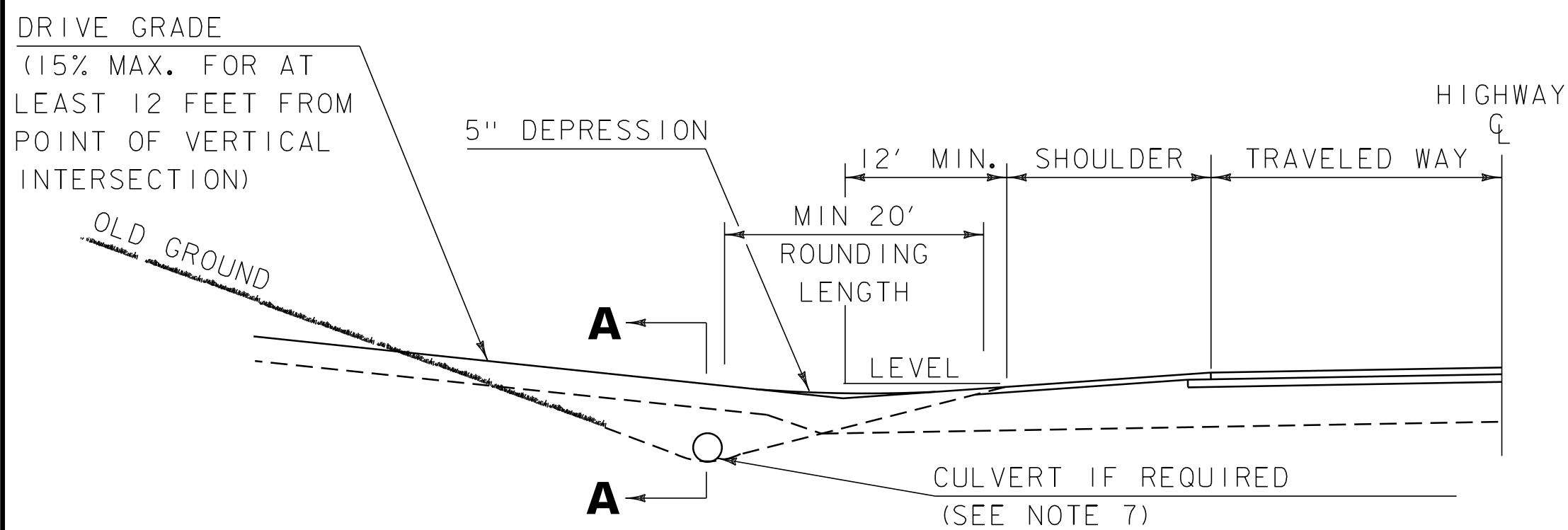
USE WITH DETAILS B AND D WHEN VOLUME WARRANTS FOR RIGHT TURN LANES ARE MET.



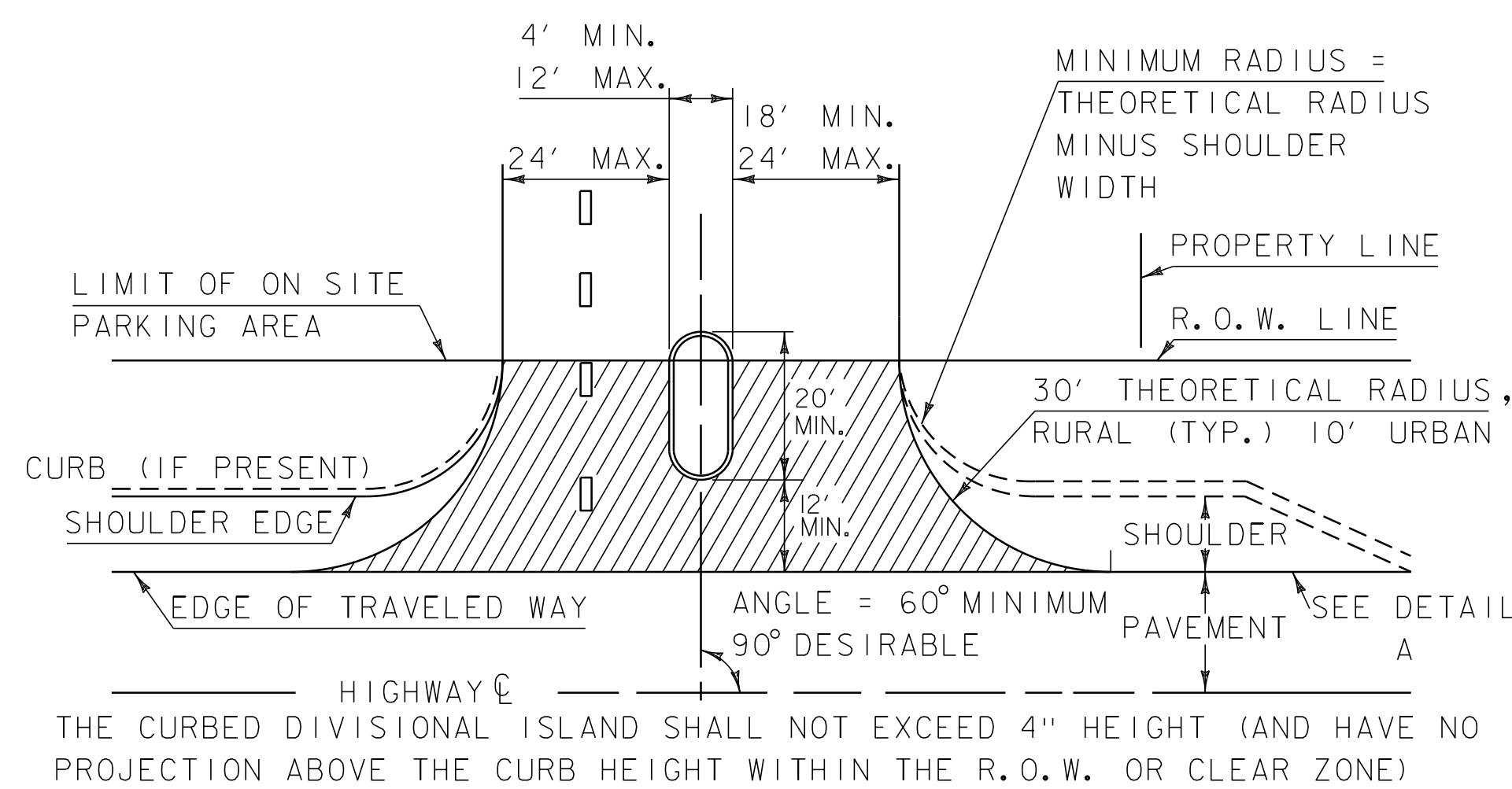
DETAIL C PROFILE OF DRIVE INTERSECTION (FILL SECTION)



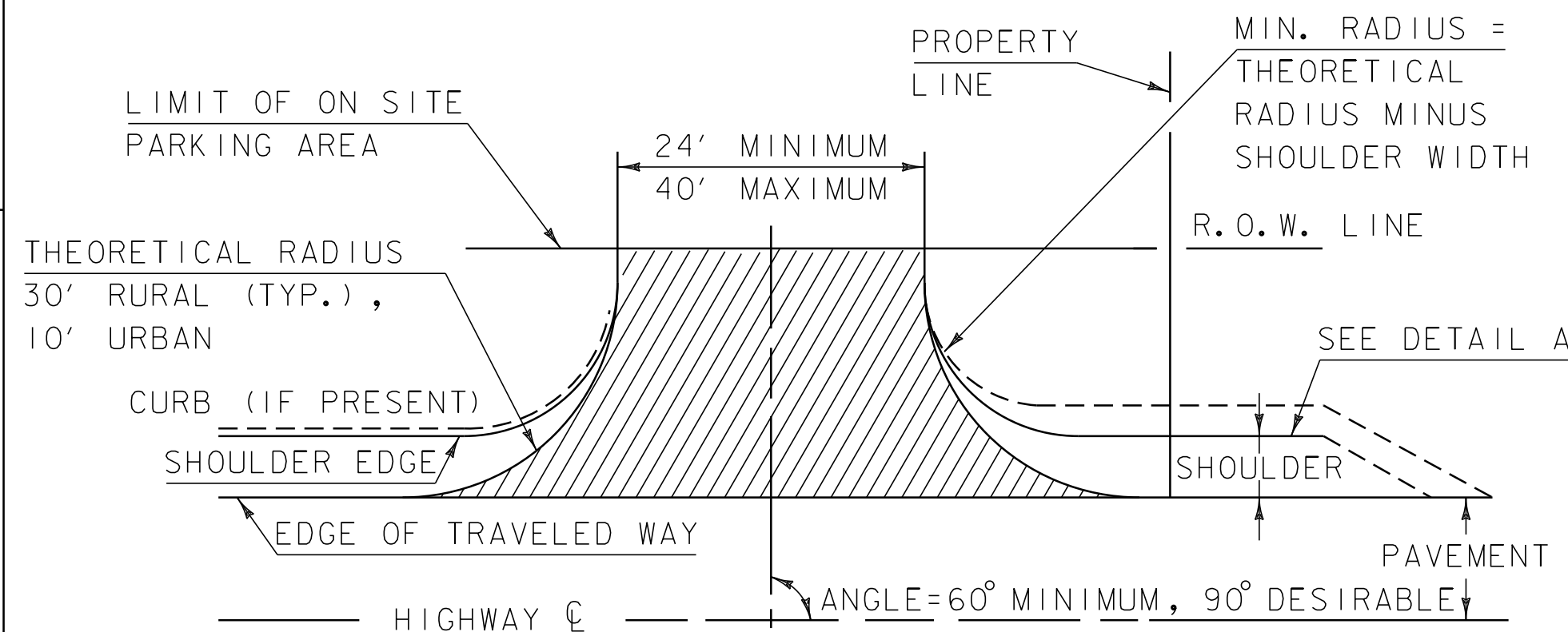
DETAIL E PROFILE OF DRIVE INTERSECTION (CUT SECTION)



DETAIL B TWO-WAY COMMERCIAL DRIVE WITH DIVISIONAL ISLAND



DETAIL D TWO-WAY UNDIVIDED COMMERCIAL DRIVE



THIS DETAIL WILL ALSO APPLY TO COMMERCIAL SERVICE DRIVES, WHEN AUTHORIZED, HAVING A MAXIMUM WIDTH OF 20'. THE SERVICE DRIVE WILL HAVE A "SERVICE VEHICLES ONLY" SIGN PLACED AT THE HIGHWAY ROW LINE.

1. THIS SHEET IS INTENDED FOR USE BY DESIGNERS ON HIGHWAY PROJECTS AND IN CONJUNCTION WITH A PERMIT FOR WORK WITHIN HIGHWAY RIGHTS OF WAY. ALL CONSTRUCTION REQUIRED BY THE PERMIT AND INDICATED ON THIS SHEET SHALL BE THE RESPONSIBILITY OF THE APPLICANT AND IS SUBJECT TO THE APPROVAL OF THE VERMONT AGENCY OF TRANSPORTATION. WHEN USED WITH THE PLANS FOR A HIGHWAY CONSTRUCTION PROJECT, THIS SHEET IS INTENDED TO BE A GUIDE FOR THE DESIGNER CONCERNING DRIVE WIDTHS, HORIZONTAL, VERTICAL AND GEOMETRIC CHARACTERISTICS.

2. ALL COMMERCIAL DRIVES SHALL BE PAVED FROM THE EDGE OF THE TRAVELED WAY TO THE HIGHWAY RIGHT-OF-WAY, TO THE FARTHEST POINT OF CURVATURE ON THE DRIVEWAY EDGE OR AS DIRECTED BY THE DISTRICT TRANSPORTATION ADMINISTRATOR. THIS PAVING IS INDICATED IN DETAILS (A, B AND D) BY HATCHING.

3. DEPTH OF SUBBASE AND PAVEMENT TO BE THE SAME AS HIGHWAY OR AS SHOWN IN DETAIL F WITHIN THE LIMITS OF THE HIGHWAY RIGHT-OF-WAY.

4. VEHICULAR ACCESS FROM PARKING AREAS TO THE RIGHT-OF-WAY AT OTHER THAN APPROVED ACCESS POINTS WILL BE PREVENTED BY THE CONSTRUCTION OF CURBING OR OTHER SUITABLE PHYSICAL BARRIER.

5. IF CURB IS PRESENT, SEE APPROPRIATE CURB DETAIL STANDARD.

6. WHERE TRAFFIC VOLUME FOR A PROJECT IS SUBSTANTIAL THE AGENCY MAY REQUIRE SPECIAL LANES FOR TURNING, SIGNALS OR OTHER MODIFICATIONS. BASED ON TRAFFIC STUDIES THE AGENCY WILL DETERMINE SPECIFIC TREATMENT TO BE USED.

7. CIRCULAR DRAINAGE CULVERTS UNDER DRIVES SHALL HAVE A MINIMUM INSIDE DIAMETER (I.D.) OF 15" OR AS OTHERWISE SHOWN ON THE PLANS. PIPE ARCHES USED UNDER DRIVES SHALL HAVE A MINIMUM INSIDE CROSS-SECTIONAL AREA EQUIVALENT TO THAT PROVIDED BY A 15" CIRCULAR PIPE. IF A CULVERT LARGER THAN 15" IS LOCATED UPSTREAM OF THE PROPOSED CULVERT THEN THE NEW CULVERT SHALL, AS A MINIMUM, MATCH THE SIZE OF THE UPSTREAM CULVERT.

8. THE OFFSET BETWEEN THE PROPERTY LINE AND THE EDGE OF THE DRIVEWAY MAY BE GOVERNED BY LOCAL ZONING LAWS. DRIVEWAY WIDTH RESTRICTIONS SHOWN PERTAIN ONLY TO THE AREA WITHIN THE HIGHWAY R.O.W. OR THE END OF THE TURNING RADIUS WHICHEVER IS GREATEST.

9. DRIVEWAY GRADES STEEPER THAN THOSE SHOWN MAY BE ALLOWED AS LONG AS A 20' APPROACH AREA IS ACHIEVED FOR THE VEHICLE TO PAUSE BEFORE ENTERING THE HIGHWAY.

10. THIS STANDARD APPLIES TO LARGER RESIDENTIAL DEVELOPMENTS, SUBDIVISIONS AND OTHER COMMERCIAL ACCESSES. SEE VTRANS STANDARD B-71A FOR FIELD DRIVES, LOGGING DRIVES, AND RESIDENTIAL ACCESSES SERVING UP TO TWO SINGLE FAMILY HOMES OR A DUPLEX.

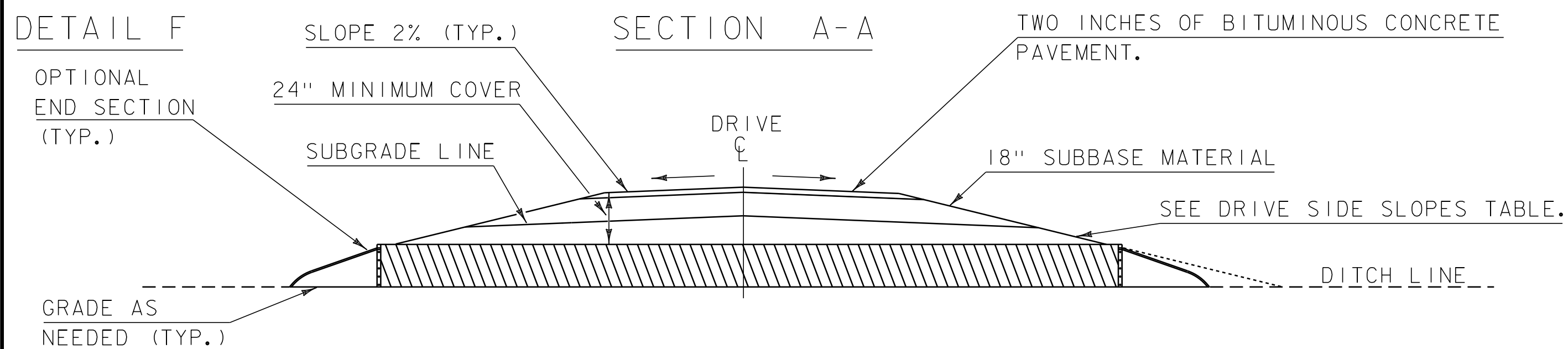
11. FOR DRIVEWAY AND INTERSECTION SPACING DISTANCES REFER TO THE "VERMONT AGENCY OF TRANSPORTATION ACCESS MANAGEMENT PROGRAM GUIDELINES", LATEST REVISION.

12. INTERSECTION SIGHT DISTANCES, EQUAL TO OR GREATER THAN THOSE SHOWN BELOW, SHOULD BE PROVIDED IN BOTH DIRECTIONS FOR ALL DRIVES ENTERING ON PUBLIC HIGHWAYS, UNLESS OTHERWISE APPROVED BY THE AGENCY OF TRANSPORTATION. INTERSECTION SIGHT DISTANCE IS MEASURED FROM A POINT ON THE DRIVE AT LEAST 15 FEET FROM THE EDGE OF TRAVELED WAY OF THE ADJACENT ROADWAY AND MEASURED FROM A HEIGHT OF EYE OF 3.5 FEET ON THE DRIVE TO A HEIGHT OF 3.5 FEET ON THE ROADWAY. STOPPING SIGHT DISTANCE IS MEASURED FROM AN EYE HEIGHT OF 3.5 FEET TO AN OBJECT HEIGHT OF 2.0 FEET ON THE ROADWAY.

SIGHT DISTANCE TABLE

POSTED SPEED OR DESIGN SPEED (MPH)	MINIMUM STOPPING SIGHT DISTANCE (FT)	MINIMUM INTERSECTION SIGHT DISTANCE (FT)
25	155	280
30	200	335
35	250	390
40	305	445
45	360	500
50	425	555
55	495	610

THE ABOVE VALUES ARE TAKEN FROM THE 2011 AASHTO "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS & STREETS."

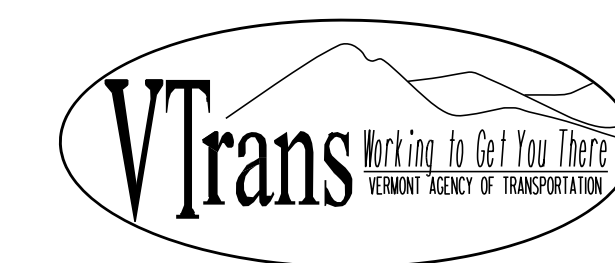


DRIVE SIDE SLOPES TABLE

LOCATION OF SLOPE	SLOPE RATE
DESIGN SPEED > 40 MPH	1:6 OR FLATTER
URBAN AREAS, OR DESIGN SPEED < 40 MPH	1:4 DESIRABLE 1:2 ALLOWABLE
OUTSIDE CLEAR ZONE	1:2 OR FLATTER

REV.	DATE	DESCRIPTION
0	JUL. 1, 2019	ORIGINAL APPROVAL
OTHER STANDARDS REQUIRED:		

COMMERCIAL DRIVES



STANDARD
B-71B