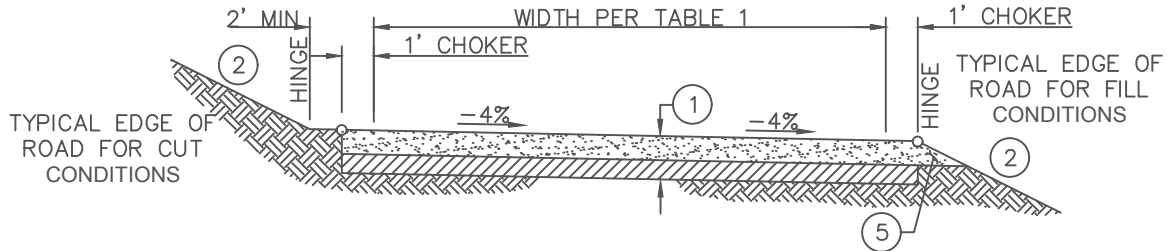


OPTION 1: GRAVEL ROAD SECTION WITH CROWNED CROSS SLOPE



OPTION 2: GRAVEL ROAD SECTION WITH CONSTANT CROSS SLOPE

NOTES:




1. TYPICAL SECTION MUST BE DESIGNED TO SUPPORT FIRE TRUCK APPARATUS, BUT SHALL NOT BE LESS THAN:
  -  4" MINIMUM CLASS II AGGREGATE BASE TO 95% RELATIVE COMPACTION FOR R≥40, OR
  -  6" MINIMUM CLASS II AGGREGATE BASE TO 95% RELATIVE COMPACTION FOR R<40, OVER
  -  12" MINIMUM SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION
2. CUT AND FILL SLOPES MUST NOT EXCEED 2 HORIZONTAL:1 VERTICAL (OR 3h:1v IN NATIVE SAND).
3. ROADSIDE DRAINAGE MUST BE ACCOMMODATED FOR SUCH THAT IT DOES NOT ERODE THE AGGREGATE SHOULDER. THE SIDE SLOPE OF ANY DRAINAGE SWALE DIRECTLY ADJACENT TO THE EDGE OF ROADWAY MUST NOT EXCEED 4h:1v.
4. ADDITIONAL WIDTH MUST BE PROVIDED AS NECESSARY TO ACCOMMODATE FOR ROADSIDE DRAINAGE. DRAINAGE MUST NOT ENCRoACH WITHIN THE TRAVEL LANE.
5. THE AGGREGATE BASE MATERIAL MUST EXTEND TO THE EDGE OF THE FILL SLOPE (CHOKER) TO ALLOW FOR STRUCTURAL ROAD SECTION DRAINAGE.

TABLE 1: DRIVEWAY AND ACCESS ROAD WIDTH REQUIREMENTS

DRIVEWAY WIDTH REQUIREMENTS FOR RESIDENTIAL (REQUIRED FOR ALL ROADS SERVING MORE THAN 2 PARCELS OR MORE THAN 2 RESIDENTIAL UNITS): 12-FEET MINIMUM WIDTH FOR LENGTHS 0 TO 199-FEET 14-FEET MINIMUM WIDTH FOR LENGTHS GREATER THAN 200-FEET
DRIVEWAY WIDTH REQUIREMENTS FOR COMMERCIAL: 20-FEET MINIMUM WIDTH WITH 2-FEET OF SHOULDERS ON EITHER SIDE 16 FEET MINIMUM FOR ONE WAY (REQUIRES PRIOR DEPARTMENT APPROVAL) 18-FEET MINIMUM WIDTH FOR EMERGENCY EGRESS ONLY FIRE LANES PER CFC SECTION 503, MUST BE PAVED SURFACE
ACCESS ROAD WIDTH REQUIREMENTS FOR RESIDENTIAL: 20-FEET MINIMUM WIDTH WITH NO-PARKING AND 2-FEET SHOULDERS 8-FEET ADDITIONAL WIDTH PER SIDE FOR PARKING LANES 12-FEET MINIMUM WIDTH FOR ONE-WAY (REQUIRES PRIOR DEPARTMENT APPROVAL)
ACCESS ROAD WIDTH REQUIREMENTS FOR COMMERCIAL: 24-FEET MINIMUM WIDTH WITH NO-PARKING, INCLUDES SECONDARY ACCESS EGRESS 8-FEET ADDITIONAL WIDTH PER SIDE FOR PARKING LANES 18-FEET MINIMUM WIDTH FOR EMERGENCY EGRESS ONLY FIRE LANES PER CFC SECTION 503, MUST BE PAVED SURFACE

ADDITIONAL DESIGN CRITERIA:

1. FOR ROAD LONGITUDINAL SLOPE DESIGN REQUIREMENTS REFER TO DWG FP-7.



COUNTY OF SAN LUIS OBISPO FIRE DEPARTMENT / CAL FIRE

GRAVEL ROAD STANDARD  
FOR PRIVATE DRIVEWAYS & ACCESS ROADS

Revised:  
July 2020  
Drawing No.: FP-9