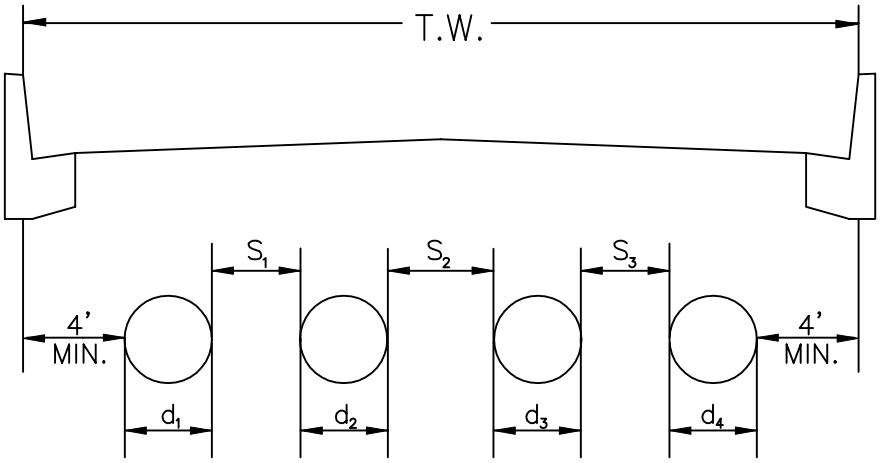
THE MINIMUM ALLOWABLE TRAVELED WAY MUST BE CALCULATED USING THE FORMULA BELOW. TO DETERMINE THE REQUIRED STANDARD STREET WIDTH CALCULATE T.W. IN THE FORMULA AND ROUND UP TO THE NEAREST TRAVELED WAY SHOWN ON THE ARRAY OF STANDARD STREET SECTIONS.

1. SEWER TO BE WITHIN 2' OF CENTER OF T.W.
2. WATER TO BE MINIMUM 6' FROM CURB.
3. WATER AND SEWER TO BE SEPARATED BY MINIMUM 10' CLEAR HORIZONTAL DISTANCE. (OR MINIMUM 4' WITH SPECIAL PIPE CONSTRUCTION).
4. MINIMUM "S" IS 2' OR AS PROVIDED IN CITY STANDARD SPECIFICATIONS.
5. IF THE DEPTH TO FLOWLINE OF A PIPE EXCEEDS 5', THE MINIMUM "S" OF 2' TO ADJACENT PIPES WILL INCREASE BY 6" FOR EACH 1' OF DEPTH GREATER THAN 5'.
6. IF THE ELEVATION OF THE TOP OF A WATER OR SEWER LINE IS WITHIN 6' IN ELEVATION OF THE TOP OF ANOTHER PIPE, (NOT SEWER OR WATER). THE SEPARATION ("S_n") SHALL BE AT LEAST 5'.



$$T.W. \geqq (8) + (S_1 + S_2 + \cdots + S_n) + (d_1 + d_2 + \cdots + d_n) + (2)(L)$$

(IN FEET)

d_n = O.D. OF PROPOSED PIPE.

S_n = CLEAR HORIZONTAL DISTANCE BETWEEN PROPOSED PIPES.

L = NUMBER OF PIPES IN TRAVELED WAY EXCEEDING 10" NOMINAL I.D.

NOTE: API GEOMETRIC CROSS SECTIONS SHALL NOT BE COMBINED WITH STANDARD GEOMETRIC CROSS SECTIONS

MINIMUM TRAVELED WAY FORMULA FOR PIPELINE INSTALLATION IN TANGENTIAL STREETS	REF. & REV. AUG. 2002	CITY OF FRESNO API-7