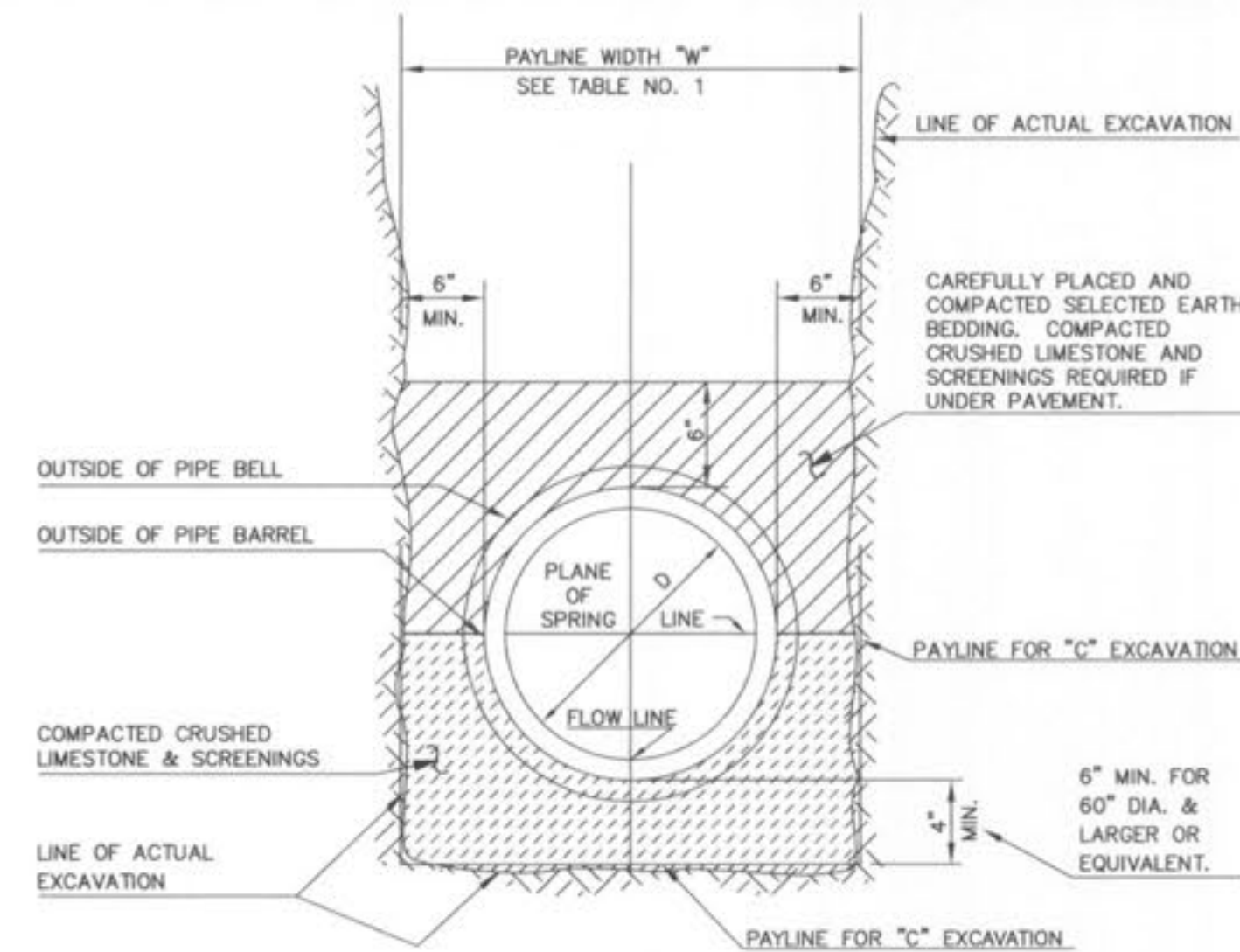
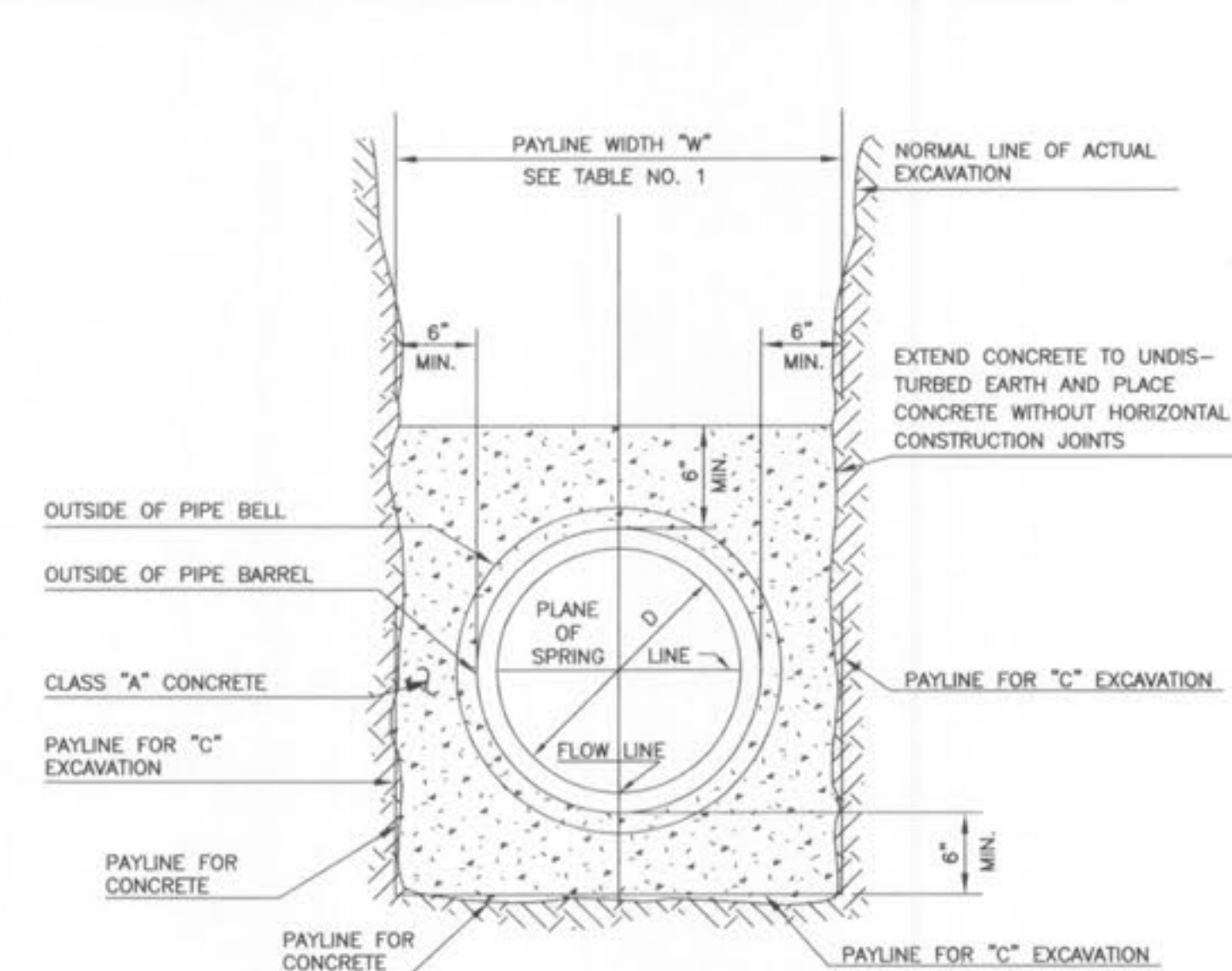


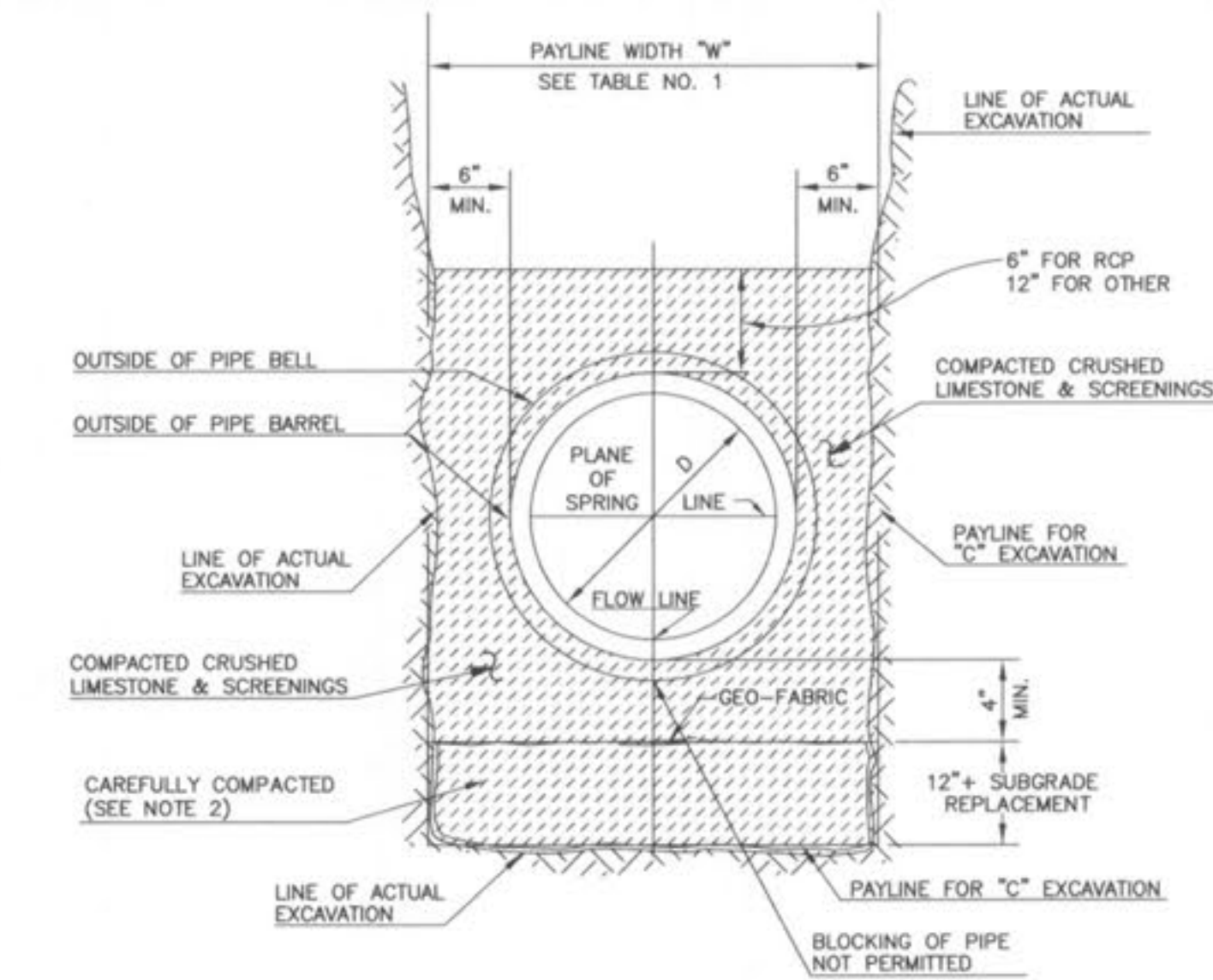
PIPE BEDDING CLASS "C"
(FOR ALL PIPE EXCEPT
REINFORCED CONCRETE PIPE)



PIPE BEDDING CLASS "C"
(MODIFIED FOR REINFORCED
CONCRETE PIPE)

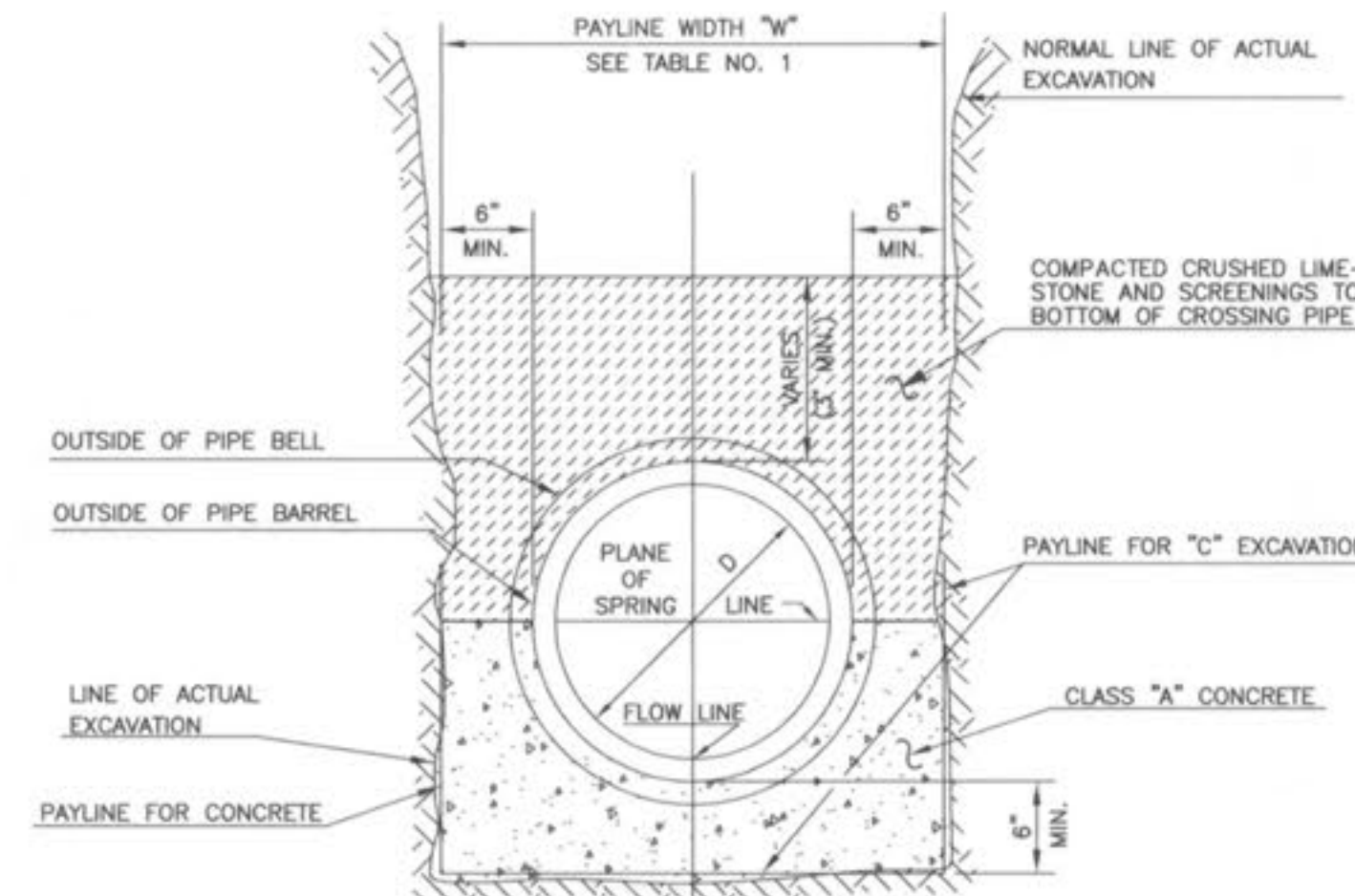


CONCRETE ENCASEMENT

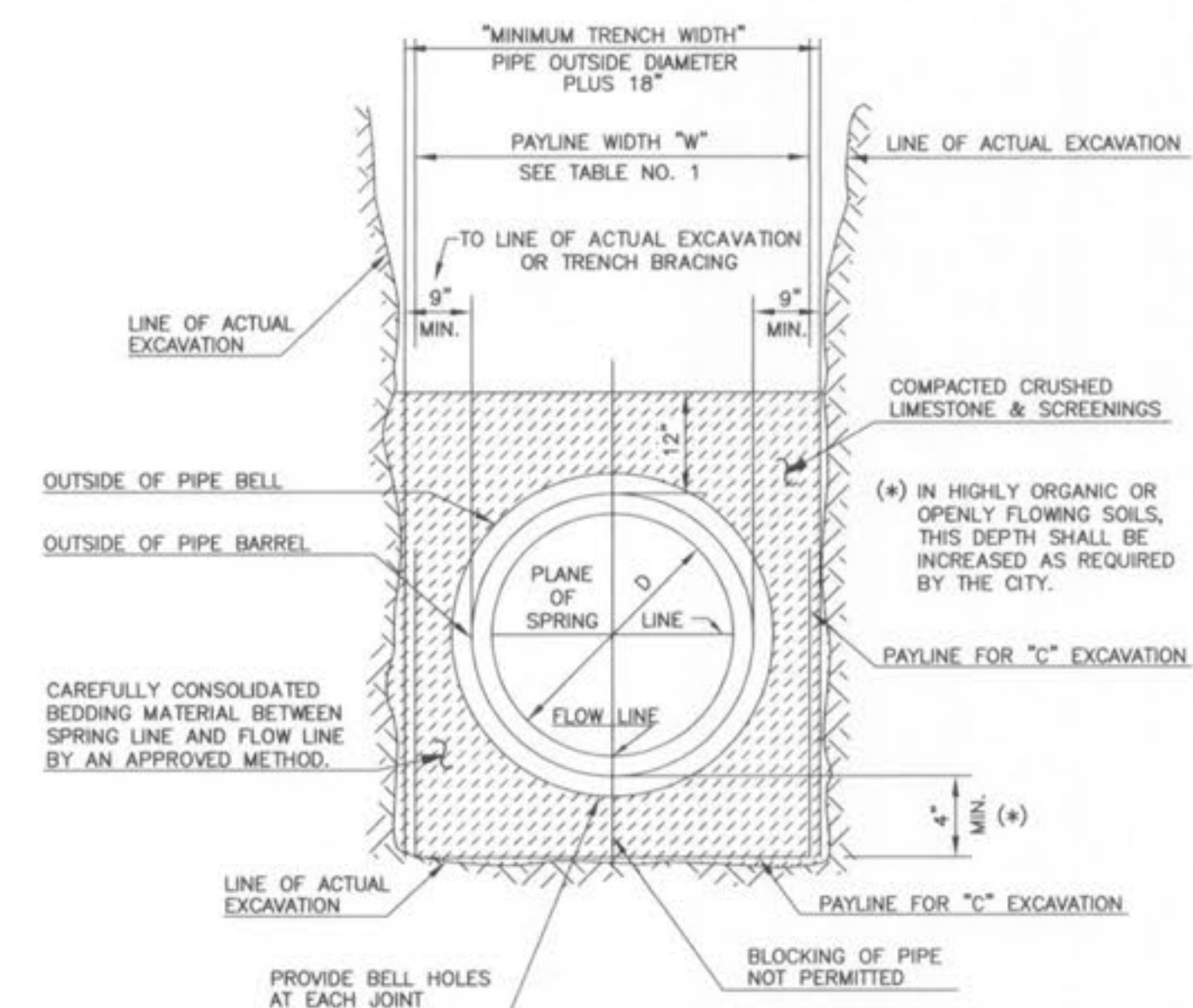


NOTES:
1. CHECK GRADE OF PIPE AFTER COMPACTION TO ENSURE THE DESIRED FLOWLINE HAS NOT CHANGED.
2. SUBGRADE REPLACEMENT SHALL BE COMPACTIONED WITH HAND OPERATED VIBRATOR COMPACTORS OR SIMILAR EQUIPMENT.

**SPECIAL PIPE BEDDING DETAIL
FOR SUBGRADE REPLACEMENT
12" DEPTH OR MORE**

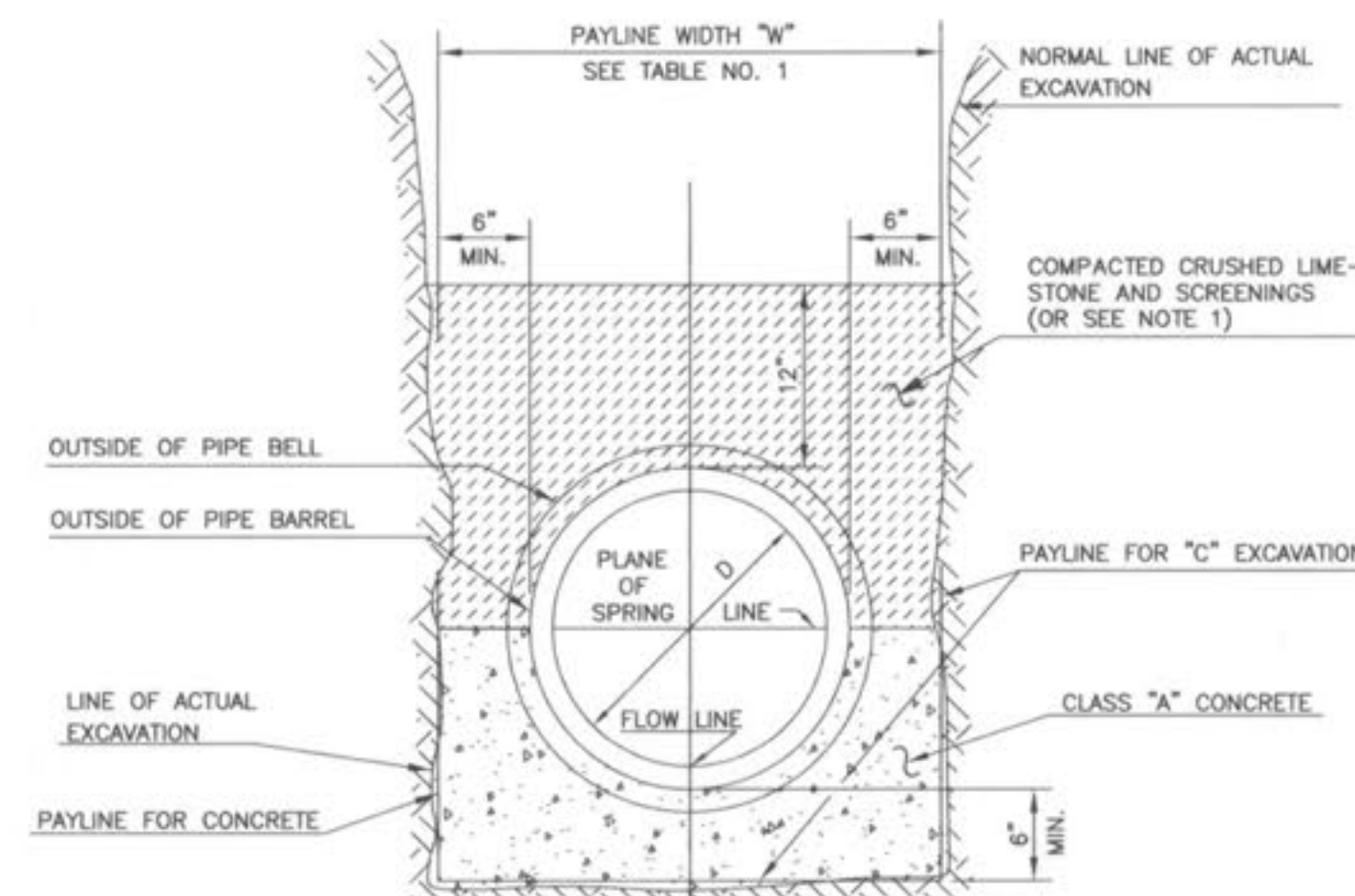


(CLASS "A" BEDDING)
**CONCRETE CRADLE
(FOR PIPE CROSSINGS)**



NOTES:
1. CHECK GRADE OF PIPE AFTER COMPACTION TO ENSURE THE DESIRED FLOWLINE HAS NOT CHANGED.
2. DURING JETTING PROCESS, IF JETTING IS ALLOWED, NOZZLE SHALL NOT BE INSERTED CLOSER THAN TWO FEET FROM TOP OF PIPE.
3. ANY TRENCH BRACING USED BELOW THE TOP OF PIPE SHALL BE LEFT IN PLACE.
4. FOR INSTALLATION IN HIGHLY ORGANIC OR OPENLY FLOWING SOILS, THE ENTIRE PERIMETER OF THE PIPE BEDDING SHALL BE WRAP WITH AN APPROVED FILTER FABRIC OR THE "MINIMUM TRENCH WIDTH" SHALL BE EXPANDED BY INCREASING THE DISTANCE BETWEEN THE SIDE OF THE PIPE AND THE LINE OF ACTUAL EXCAVATION OR TRENCH BRACING TO A MINIMUM OF THE PIPE DIAMETER.

**PIPE BEDDING FOR
FLEXIBLE PIPE
18"-36" DIAMETER**

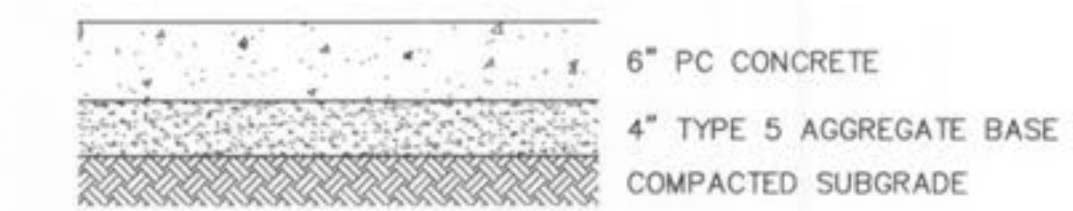


CLASS "A" CONCRETE: FOR PLASTIC PIPE 8" THRU 15", USE CONCRETE COLLARS TWO FEET LONG AND 6 INCHES THICK EVERY TWELVE FEET ADJACENT TO AND DOWNSTREAM OF BELLS, WITH CLASS "C" BEDDING PLACED BETWEEN COLLARS. (IN LIEU OF CONCRETE CRADLE).

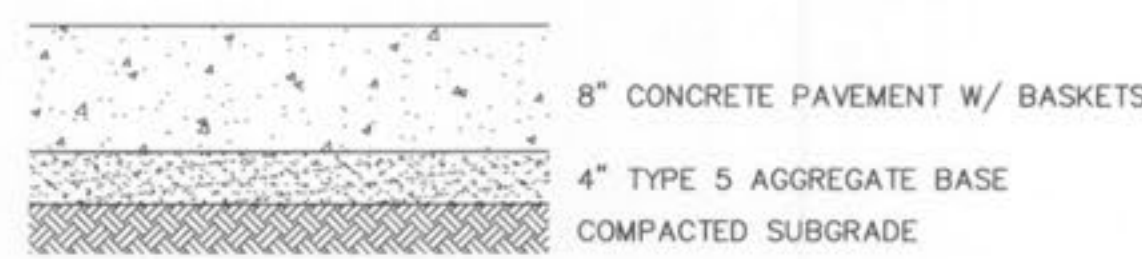
(CLASS "A" BEDDING)

NOTES:
1. ONLY FOR PIPE SEWERS ON GRADES 20% TO 50% INCLUSIVE, BED WITH CAREFULLY PLACED AND COMPACTIONED SELECT EARTH BEDDING IN 6" LAYERS (90% MODIFIED PROCTOR).
2. FOR GRADES EXCEEDING 50% OR PLASTIC PIPE GREATER THAN 15" DIAMETER, SEE PROJECT SPECIFICATIONS.

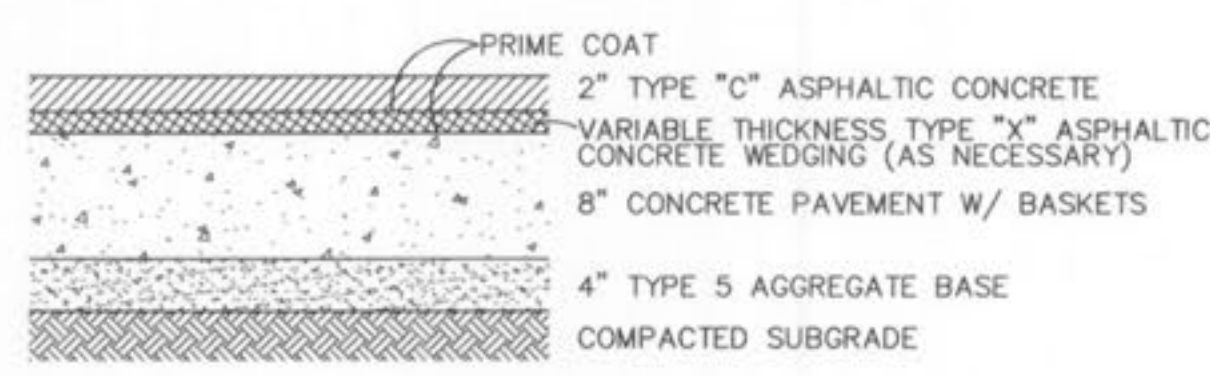
CONCRETE CRADLE



RESIDENTIAL CONCRETE DRIVE SECTION
NOT TO SCALE



COMMERCIAL CONCRETE DRIVE SECTION
NOT TO SCALE



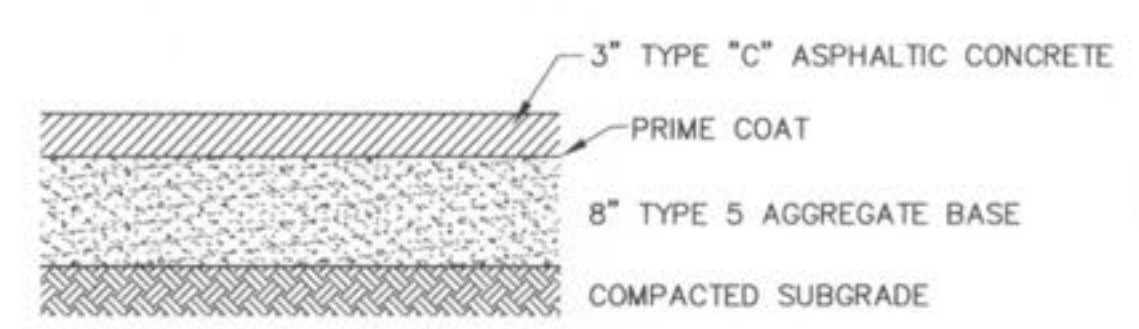
NEW PAVEMENT SECTION
NOT TO SCALE



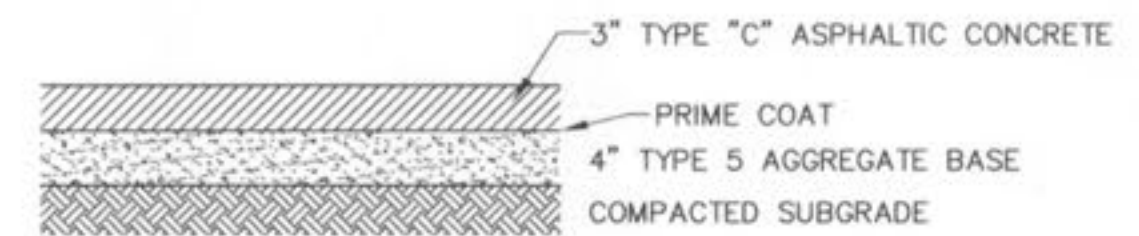
SIDEWALK SECTION
NOT TO SCALE



GRAVEL DRIVE SECTION
NOT TO SCALE



COMMERCIAL ASPHALT DRIVE SECTION
NOT TO SCALE



RESIDENTIAL ASPHALT DRIVE SECTION
NOT TO SCALE

MEXICO ROAD LANE ADDITION

DETAIL SHEET

**CITY OF O'FALLON
COMMUNITY DEVELOPMENT
DESIGN DIVISION
O'FALLON, MISSOURI**



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STATE OF MISSOURI
PROFESSIONAL ENGINEER
SEAL 11-9-07

DESIGNED: ERB
CHECKED: CEM
DATE: 11/7/03
PROJECT NO.: 00-034