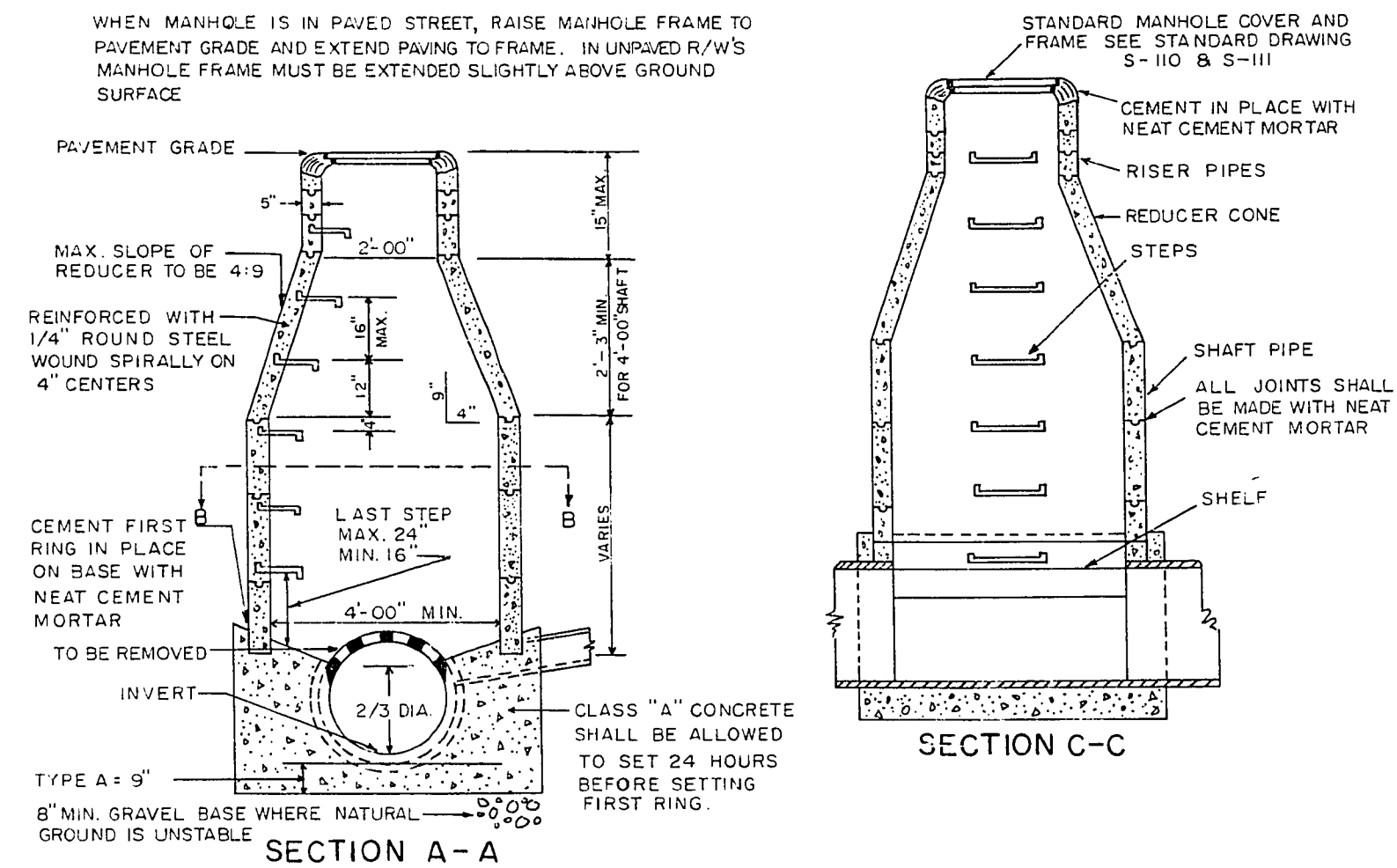
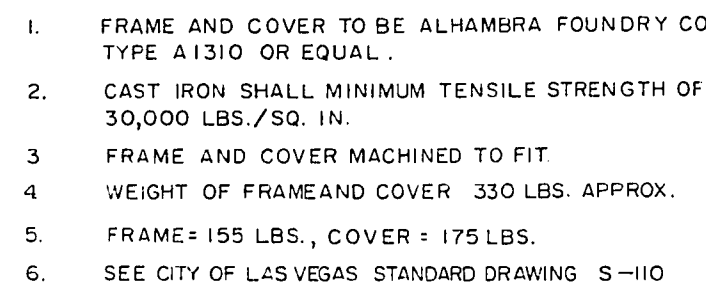
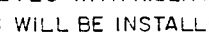




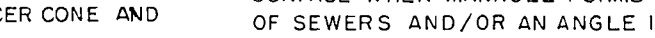
1. FROM REDUCER CONE TO GROUND SURFACE, MANHOLE MUST BE COMPLETED WITH RISER RINGS.
 2. RISERS WILL BE INSTALLED IN THE EXACT SIZE AND SEQUENCE AS DETAILLED BELOW, COMMENCING AT TOP OF REDUCER CONE AND WORKING UPWARD.
 - A - MINIMUM RISERS WHICH MUST BE USED IS THREE (3) SEQUENCE "4", "6", "3"
 - B - MAXIMUM RISERS WHICH MUST BE USED IS FOUR (4) SEQUENCE "1", "6", "3", "3"
 - C -

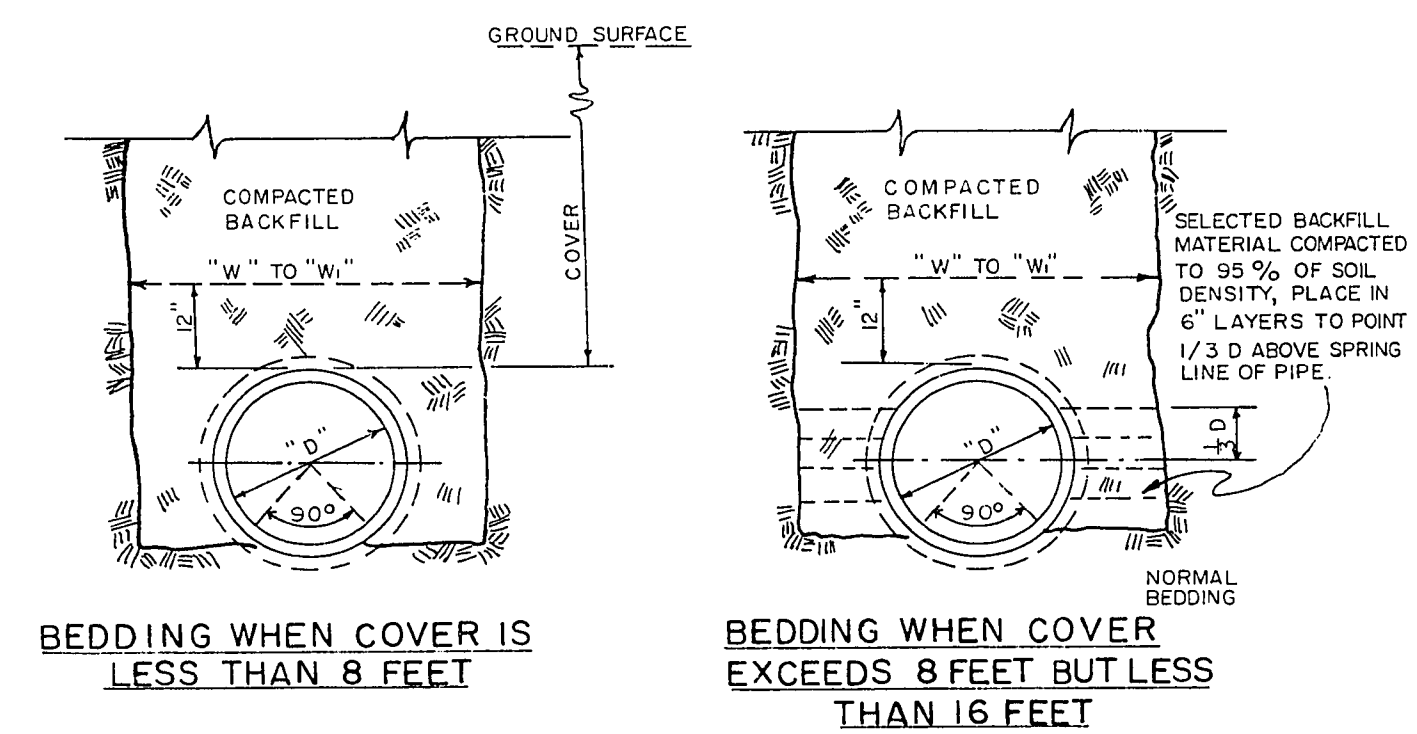
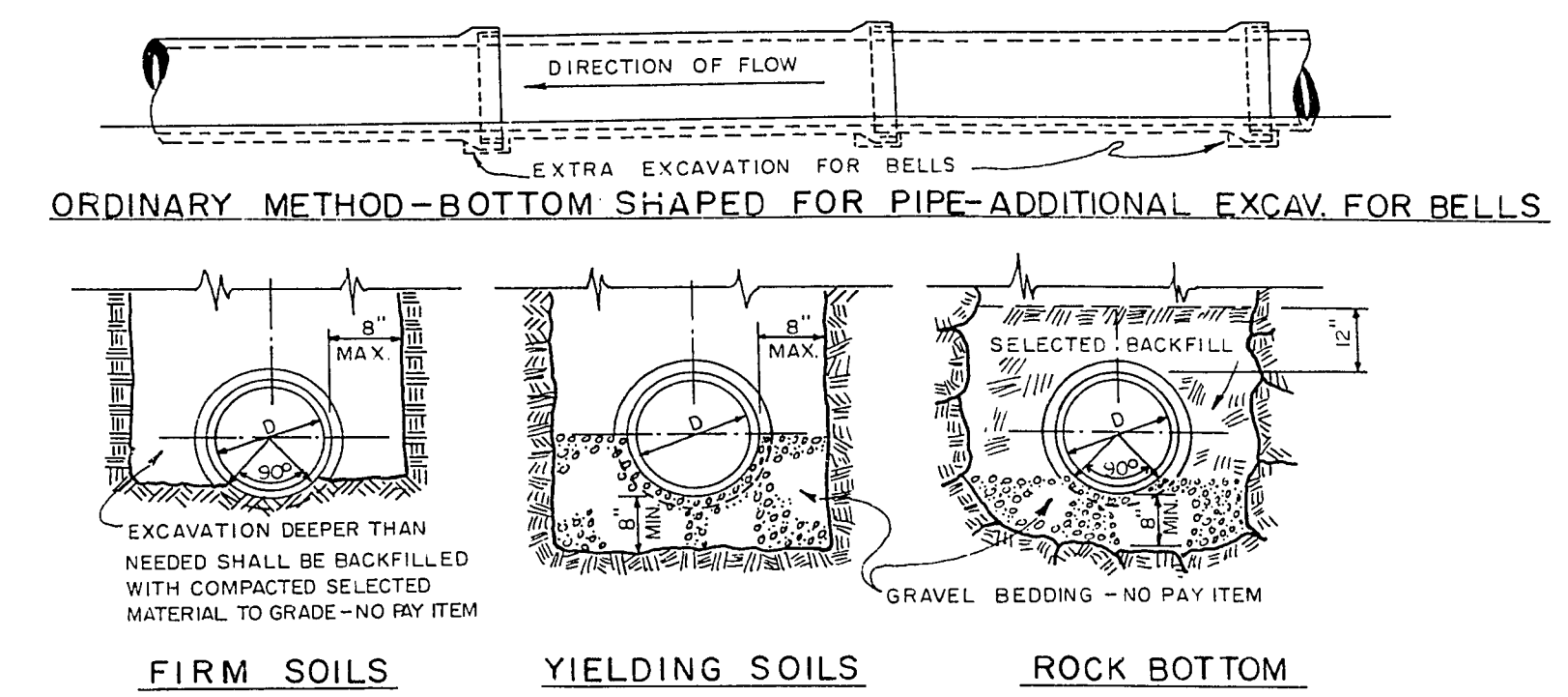
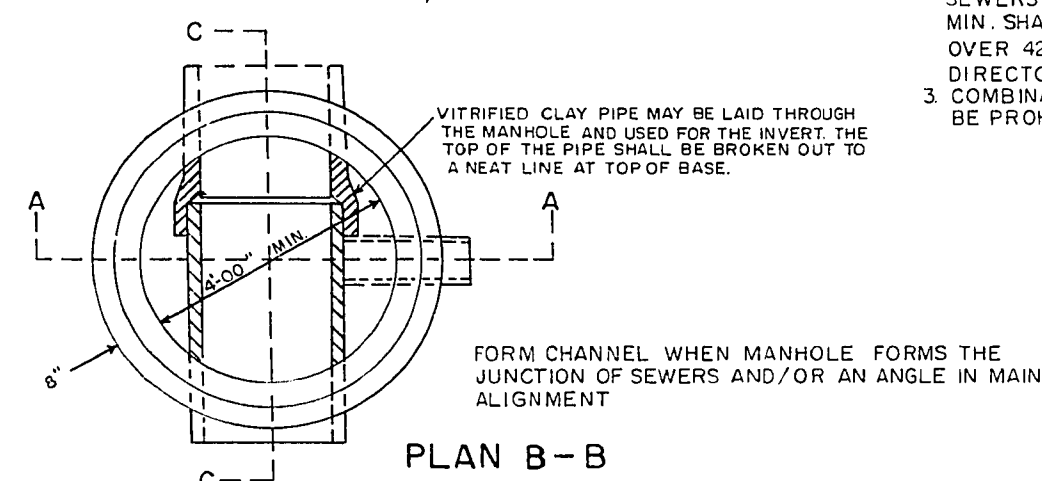


VITRIFIED CLAY PIPE MAY BE LAID THROUGH

NOTE:

 1. RISERS SHALL BE TRUE TO GRADE AND ALIGNMENT AND FINISHED WITH A SMOOTH SURFACE WHEN MANHOLE FORMS THE JUNCTION OF SEWERS AND/OR A CHANGE IN MAIN DIRECTION, SPECIALLY ATTENDED TO IN FORMING CHANNELS TO FACILITATE FLOW OF SEWAGE.
 2. A MINIMUM SHAFT WIDTH APPLIES ONLY TO SEWERS 15" OR UNDER; SEWERS 18" TO 30" MIN. SHAFTS ARE 4'-6", 30" TO 42" 5'-0" OVER 42" MIN. WIDTH WILL BE SPECIFIED BY DIRECTOR OF PUBLIC WORKS.
 3. COMBINATIONS OF BRICK AND CONCRETE WILL BE PROHIBITED.





TRENCH WIDTHS

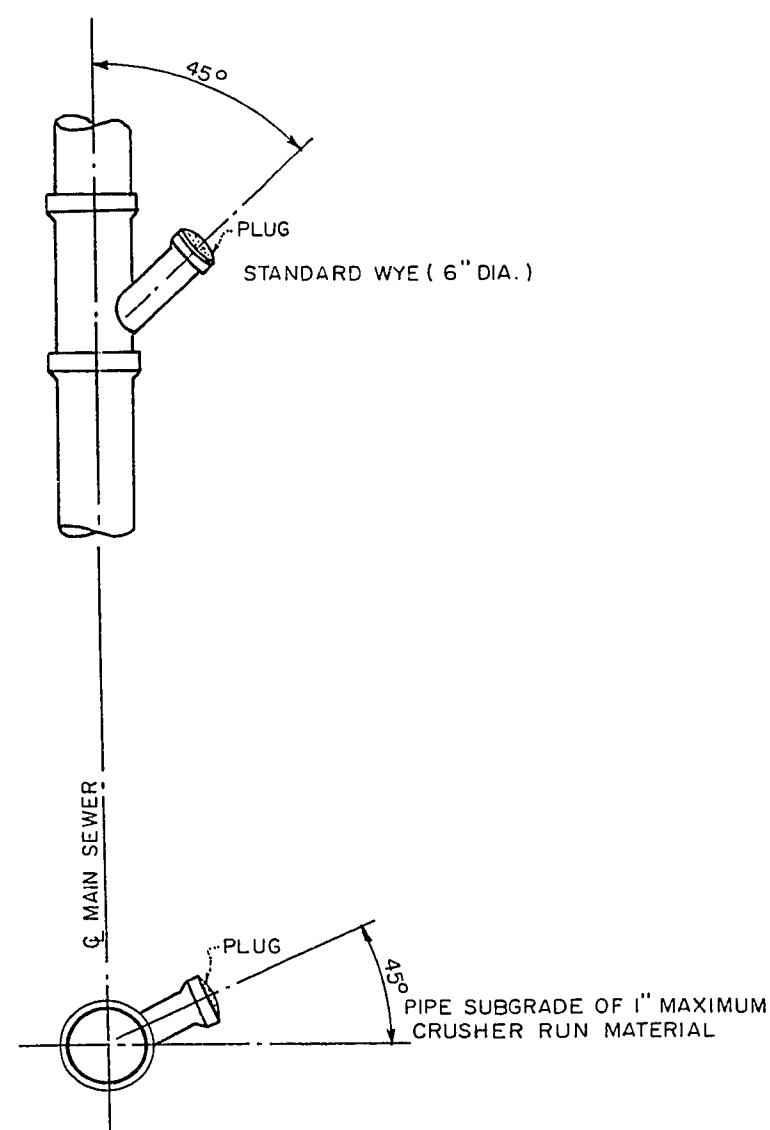
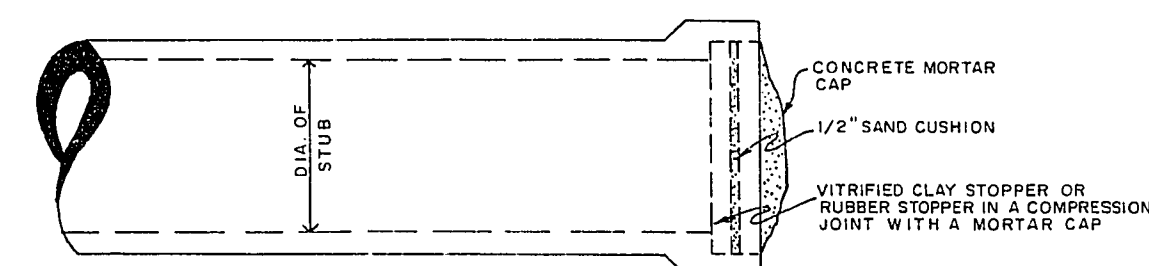
PIPE SIZE INCHES	MAX. TRENCH WIDTH INCHES "W"	MIN. TRENCH WIDTH INCHES "W"
12"	30"	28"
15"	34"	31"

NOTES

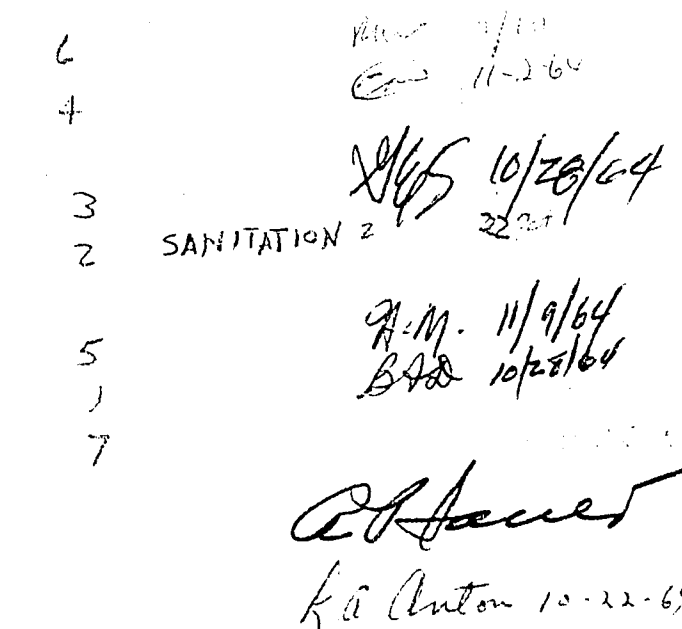
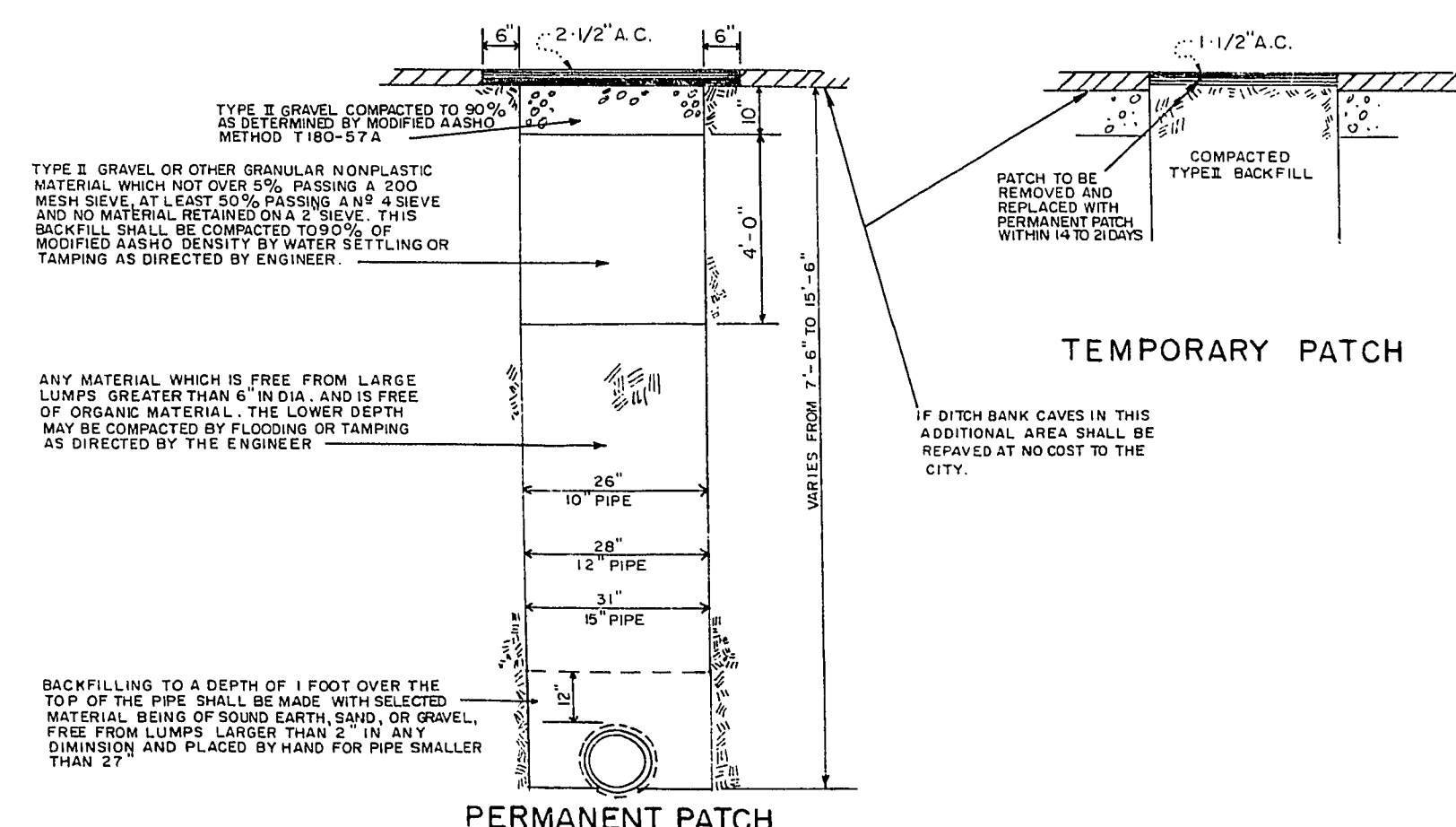
1. ALL EXISTING UTILITIES MUST BE PROTECTED. IF DAMAGED WILL BE REPAIRED BY THE CONTRACTOR.
2. UTILITY COMPANIES MUST BE NOTIFIED BEFORE EXCAVATION.

TEST BORINGS

STATION	DEPTH (GROUND SURFACE TO CALC.)
0+00	4.0 FT.
5+00	4.0 FT.
10+00	4.5 FT.
15+00	1.5 FT.
20+00	2.5 FT.
25+00	0.5 FT.
30+00	1.0 FT.
35+00	0.75 FT.
40+00	0.0 FT.
45+00	0.0 FT.
50+00	0.5 FT.



IN NO CASE SHALL A LATERAL CONNECT
TO THE SEWER DIRECTLY ON TOP OF
THE PIPE
SEWER LATERALS SHALL HAVE A MINIMUM
SLOPE OF 2 %
PLUGS SHALL BE CEMENTED IN WITH 1:2
CEMENT MORTAR



B.J. Vaz - Consulting Engineer

SAHARA AVENUE
INTERCEPTOR SEWER EXTENSION
DETAIL & PROBE BORINGS SHEET

DATE <u>1</u> SEPT. 19 <u>64</u>	
DESIGNED BY _____ DRAWN BY <u>M. P.</u> CHECKED BY <u>B. J. V.</u>	SCALE: _____ TYSON ENGINEERING COMPANY CONSULTING ENGINEERS 1209 COMMERCE STREET LAS VEGAS, NEV.
	SHEET <u>5</u> OF <u>5</u> SHEETS