

**NOTES:**

1. REFER TO DEPARTMENT OF PUBLIC WORKS STANDARD DETAIL No. ST-24 FOR TRENCH BACKFILL AND PAVEMENT REPLACEMENT. FOR PAVED SURFACE, USE ONLY OPTION A.
2. FOR UNPAVED SURFACE, CONTRACTOR CAN PROPOSE SUITABLE NATIVE BACKFILL MATERIAL.
3. FOR PCC SURFACE, REPLACE PCC TO MATCH EXISTING. INSTALL DOWELS PER DEPARTMENT PUBLIC WORKS STANDARD DETAIL No. ST-17 AND ST-18. REPLACE PCC PER CALTRANS STANDARD SPECS SECTION 90, CLASS 2. USE ONLY PORTLAND CEMENT, NO FLY ASH.

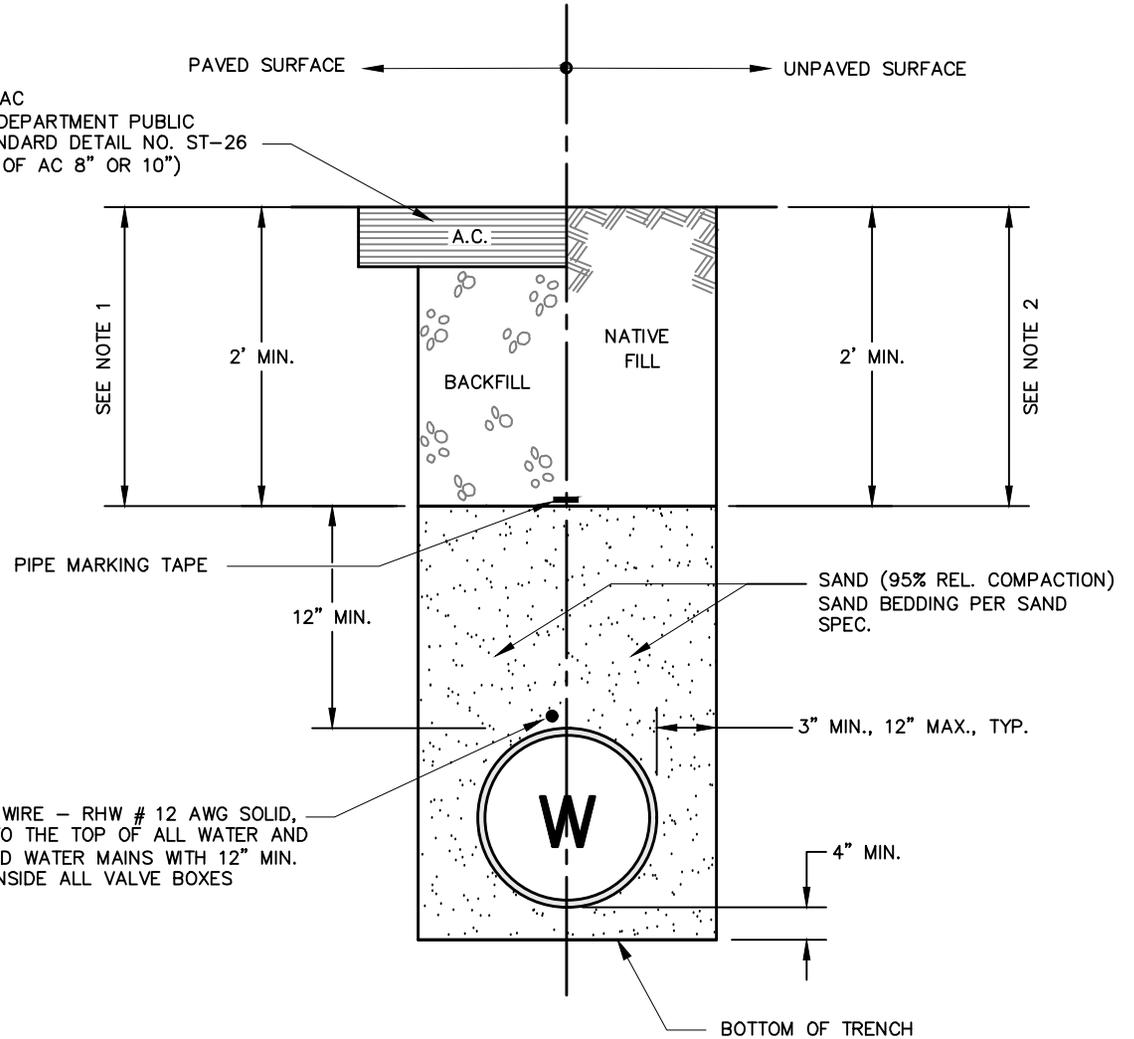
SAND SPEC.

SAND SHALL BE CLEAN AND FREE FROM CLAY AND ORGANICS. IT SHALL BE A CLEAN, HARD, DURABLE MATERIAL RESULTING FROM NATURAL DISINTEGRATION AND ABRASION OF GRANITE, QUARTZ, OR SIMILAR HARD ROCK OR BY THE PROCESSING OF COMPLETELY FRIABLE SANDSTONE. IT SHALL HAVE A SAND EQUIVALENT VALUE OF NOT LESS THAN 35. THE PERCENTAGE COMPOSITION BY WEIGHT AS DETERMINED BY LABORATORY SIEVES SHALL CONFORM TO THE FOLLOWING GRADING LIMITS OR APPROVED:

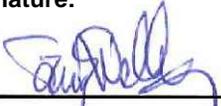
QUAIL HOLLOW UTILITY/TRENCH SAND (#271)

SIEVE SIZE	QUAIL HOLLOW UTILITY SAND (% PASSING)
1/2"	100
#4	100
#8	99
#16	96
#30	87
#50	57
#100	12
#200	4

MATCH EX. AC  
(REFER TO DEPARTMENT PUBLIC WORKS STANDARD DETAIL NO. ST-26 FOR DEPTH OF AC 8" OR 10")



Drawn By: **DUC L.**  
 Checked By: **TANISHA W. / JOHN S.**  
 Approved By: **SHILPA M. / TERRY W.**  
 Revised Date: **NOVEMBER 2017**

Signature:   
 Director of  
 Water and Sewer Utilities

CITY OF SANTA CLARA  
 WATER AND SEWER UTILITIES - STANDARD NO. 23  
**TRENCH BACKFILL**

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