



NOTES:

1. TRENCH SHALL BE SPECIFICALLY DESIGNED FOR PIPE MATERIAL TO BE USED.
2. ALL TRENCH MATERIALS AND THEIR ASSOCIATED COMPACTION REQUIREMENTS SHALL BE BASED UPON RECOMMENDATION OF THE GEOTECHNICAL REPORT AND PIPE MANUFACTURER.
3. TRENCH ZONE MATERIALS AND COMPACTION SHALL MEET THE REQUIREMENTS OF THE CITY OF FAIRFIELD/CITY OF SUISUN CITY/SOLANO COUNTY, AS APPLICABLE.
4. NO NATIVE MATERIALS SHALL BE USED IN PIPE ZONE OR BELOW UNDER ANY CIRCUMSTANCES. NATIVE MATERIALS MAY NOT BE USED WITHIN THE TRENCH ZONE (ABOVE 12" ABOVE TOP OF PIPE) WITHOUT WRITTEN APPROVAL FROM THE DISTRICT, GEOTECHNICAL ENGINEER, AND CITY OF FAIRFIELD/CITY OF SUISUN CITY/SOLANO COUNTY, AS APPLICABLE.
5. PAVEMENT, PAVEMENT BASE, AND COMPACTION REQUIREMENTS SHALL BE PER REQUIREMENT OF THE CITY OF FAIRFIELD/CITY OF SUISUN CITY/SOLANO COUNTY, AS APPLICABLE.
6. VOID CREATED WHEN SHEETING IS REMOVED SHALL BE BACKFILLED WITH TRENCH MATERIAL AS SHEETING IS REMOVED.
7. IF FULL TRENCH SHEETING IS NOT USED, SLOPE TRENCH IN ACCORDANCE WITH OSHA. SLOPED EXCAVATIONS SHALL NOT BE PERMITTED UNLESS APPROVED BY THE DISTRICT. SLOPED EXCAVATIONS WILL ONLY BE CONSIDERED IN NON-PAVED AREAS.
8. EXCAVATE UNSUITABLE SUBGRADE MATERIAL BELOW EXCAVATION GRADE TO OBTAIN A FIRM AND STABLE BASE. MAINTAIN WATER LEVEL BELOW PIPE LAYING OPERATIONS. THE OVER-EXCAVATED AREA SHALL BE BACKFILLED WITH COARSE BEDDING AND SHALL BE WRAPPED TOGETHER WITH THE TRENCH COARSE BEDDING MATERIAL IN GEOTEXTILE FABRIC, AS NOTED ABOVE. OVER-EXCAVATION SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
9. TYPICAL TRENCH DIMENSIONS:
ID = PIPE INSIDE DIAMETER; I.E., NOMINAL PIPE SIZE, INCHES
OD = PIPE OUTSIDE DIAMETER, INCHES
10. PROTECT ALL EXISTING PIPES IN VICINITY OF TRENCH.
11. WHERE EDGE OF GUTTER IS WITHIN 3 FEET OF SAW CUT, REMOVE REMAINING EXISTING AC PAVING AND REPLACE WITH NEW AC PAVING.
12. NO JETTING OF TRENCH MATERIALS SHALL BE PERMITTED.
13. PIPE BEDDING OR AGG BASE MATERIAL SHALL NOT BE PLACED IN LIFTS GREATER THAN 8". CONTRACTOR SHALL DEMONSTRATE THAT SPECIFIED COMPACTION CAN BE ACHIEVED WITH 8" LIFTS THROUGH DENSITY TESTS.
14. IF THE MAXIMUM TRENCH WIDTH IS EXCEEDED DURING CONSTRUCTION, CONTACT THE DISTRICT IMMEDIATELY FOR ADDITIONAL REQUIREMENTS TO BE IMPLEMENTED BY THE CONTRACTOR.
15. PROVIDE MECHANICAL COMPACTION TO MEET REQUIREMENTS OF CITY OF FAIRFIELD/CITY OF SUISUN CITY/SOLANO COUNTY.
16. FINAL MATERIAL REQUIREMENTS IN UNPAVED AREAS SHALL BE PER THE RECOMMENDATIONS OF THE CITY OF FAIRFIELD/ CITY OF SUISUN/SOLANO COUNTY, AS APPLICABLE.
17. WHERE ADEQUATE COMPACTION CANNOT BE ACHIEVED ABOVE CROWN OF PIPE DUE TO OBSTRUCTION OR OTHER CONDITIONS. REPLACE PIPE ZONE BACKFILL AND/OR TRENCH ZONE BACKFILL WITH CDF AS DIRECTED BY THE DISTRICT.
18. PRIOR TO TRENCHING, CONTACT USA NORTH BY CALLING 811.
19. BLASTING OF EXCAVATION MATERIALS IS NOT PERMITTED.

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PUMP STATION AND COLLECTION SYSTEM DESIGN STANDARDS

TRENCH DETAIL

DETAIL NO. **3**
 DATE 9/23/2021