



NOMINAL PIPE DIAMETER	MINIMUM TRENCH DEPTH A	MINIMUM TRENCH WIDTH B
1", 2"	24"	12"
4", 6", 8"	36"	18"
12"	44"	24"
16"	54"	30"
20"	54"	38"
24"	55"	44"

NOTES:

- 1) MINIMUM TRENCH DEPTHS AND TRENCH WIDTHS MUST BE ADHERED TO UNLESS APPROVED OTHERWISE BY THE CITY DISTRIBUTION DIVISION.
- 2) OVEREXCAVATING FOR BEDDING IS NOT REQUIRED UNLESS:
  - A) BOTTOM OF TRENCH EXCAVATION IS IN BEDROCK, WHERE BEDDING SHALL BE 6" THICK.
  - B) FOR 20" AND 24" DIA. PIPE, WHERE BEDDING SHALL BE 4" THICK.
  - C) REQUIRED BY THE CITY REPRESENTATIVE.
 BEDDING SHALL BE THE SAME AS BACKFILL MATERIAL PER SPECIFICATIONS AND SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
- 3) WARNING TAPE SHALL BE 6" WIDE, BLUE COLORED FOR LPW AND PURPLE FOR RW, NON-DETECTABLE TYPE. INSCRIPTION MESSAGE, USING 1.5" MINIMUM HEIGHT BLACK TEXT, SPACED AT 3-FT MAXIMUM INTERVALS, SHALL READ "CAUTION: WATER LINE BELOW" FOR LPW AND "CAUTION: RECYCLED WATER LINE BELOW" FOR RW. WARNING TAPE SHALL OVERLAP 12" MINIMUM AT SPLICES.
- 4) TRENCH CONSTRUCTION SHALL CONFORM TO OSHA AND CAL OSHA.
- 5) PIPE MAY BE INSTALLED DEEPER THAN DEPTH SPECIFIED HEREIN ONLY WHEN NECESSARY TO AVOID SUBSURFACE OBSTACLES AND ONLY WHEN APPROVED BY THE CITY REPRESENTATIVE.

SUPERSEDES E-4969R



San Francisco  
**Water  
Power  
Sewer**

Services of the San Francisco Public Utilities Commission

WATER ENTERPRISE - CITY DISTRIBUTION DIVISION STANDARD PLANS

**STANDARD PLAN FOR DUCTILE IRON PIPE MAIN  
INSTALLATION  
POTABLE & RECYLCED WATER PIPE TRENCH**

DATE	8/1/2017	REV.	DRAWING NO.	SHEET
SCALE	N.T.S.	1	CDD-LP-002	3