TRENCH IN STREET
RIGHT OF WAY

3" MIN. TYPE B-1/2" MAX.
MEDIUM ASPHALT
CONCRETE

CLASS 2 AGG. BASE
SECTION TO MATCH
EXISTING OR 12" MIN.
WHICHEVER IS GREATER.
95% RELATIVE COMPACTION.

STREETS UNDER CONSTRUCTION:
(SEE NOTE 4)

TRENCH BACKFILL
(SEE NOTE 5)

UNPAVED AREAS:
CLASS 2 AGG. BASE UP TO
FINISH GRADE. PLACE TRENCH
BACKFILL PER NOTE 5.

#12 AWG
COPPER
TRACER WIRE

PIPE O.D.

SEE NOTE 1

6" MIN.
PIPE O.D.
6" MIN.

SEE NOTE 2

TRENCH OUTSIDE STREET
RIGHT OF WAY

30" PLANTING AREA

UNIMPROVED AREAS:
30" NATIVE MATERIAL
(SEE NOTE 6)

NATIVE OR IMPORTED
MATERIAL. 90%
RELATIVE COMPACTION

IMPROVED AREAS:
TRENCH BACKFILL
(SEE NOTE 5)

DETECTABLE WARNING TAPE

PIPE BEDDING (SEE NOTE 7)

WATER PIPE

PROVIDE DRAIN ROCK FOR
UNSTABLE TRENCH
(SEE NOTE 3)

NOTES:
1. WHEN EXCAVATION IS IN ROCKY GROUND, USE THE GREATER OF 1/4 PIPE O.D. OR 4" MINIMUM.
2. FOR 18" DIAMETER OR LESS, USE 6" MINIMUM, 9" MAXIMUM; FOR GREATER THAN 18" DIA. USE 9"
MINIMUM, 12" MAXIMUM.
3. FOR UNSTABLE TRENCH PROVIDE DRAIN ROCK FOR WIDTH OF TRENCH, DEPTH AS SPECIFIED ON THE
IMPROVEMENT PLANS OR BY THE ENGINEER.
4. NEW STREET SECTION PER IMPROVEMENT PLANS.
5. TRENCH BACKFILL, 95% RELATIVE COMPACTION WITHIN 30" OF FINISH GRADE. REMAINING BACKFILL, 90%
RELATIVE COMPACTION. SIEVE SIZE % PASSING
3/4" 95%
NO. 4 65% MIN.
NO. 100 15% MAX.
6. BACKFILL WITH NATIVE MATERIAL REMOVED FROM UPPER 30", 85% RELATIVE COMPACTION.
7. PIPE BEDDING, 90% RELATIVE COMPACTION.
SIEVE SIZE % PASSING
3/4" 95 – 100%
NO. 4 55 – 100%
8. COMPACTION BY HAND AND MECHANICAL TAMPING IN 8" MAXIMUM LIFTS.