

BACKFILL

- IN NON-SAW CUT AREAS TO BE NATIVE MATERIAL SCREENED AT MINIMUM 4"
- IN SAW CUT AREAS TO BE ONE SACK ABC SLURRY OR AS SPECIFIED BY R.O.W. AGENCY.

1. BLUE INSULATED COPPER TRACER WIRE #12 GAUGE. NUTS NEED TO BE DRY SPLICE WATER-PROOF GEL PACKS.
2. WIRE TO BE LOCATED ON TOP OF WATER PIPE AND TAPED EVERY OTHER JOINT WITH DUCT TAPE.
3. WIRE TO BE LOCATED WITHIN MAINLINE AND FIRE HYDRANT TRENCHES. INCLUDING UP THE FIRE HYDRANT BARREL AND LOOPED COMPLETELY OR CLAMPED JUST ABOVE THE BASE.
4. WIRE SHALL ALSO BE INSTALLED AT VALVE BOXES.

PIPE ZONE

FROM MIN. 6" BELOW BOTTOM OF PIPE TO MIN. 12" ABOVE TOP OF PIPE BACKFILL WITH THE FOLLOWING PER NOTE 4:

- A. WATER LINES
 - ABC
- B. RECLAIMED WATER LINES
 - ABC
- C. SEWER FORCE MAIN
 - ABC
- D. GRAVITY SEWER LINES
 - ALL SERVICE AREAS = $\frac{3}{8}$ " CRUSHED WASHED ROCK (NO REJECTS)

WATER AND SEWER SERVICES
(all Utility service areas)

MINIMUM 6" SAND BEDDING AND 6" SAND SHADING. BACKFILL AS PER DETAIL.

PIPE MARKING TAPE

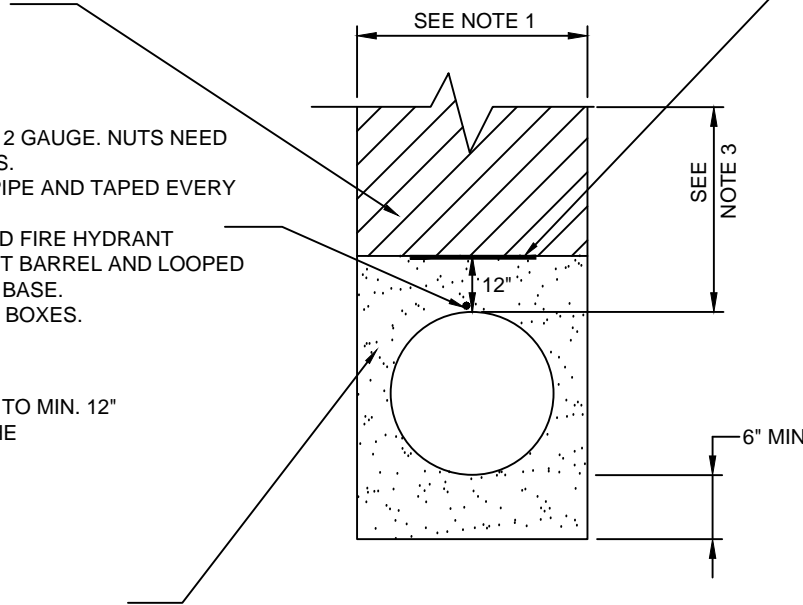
MARKING TAPE SHALL BE LOCATED 12 INCHES ABOVE TOP OF PIPE.

WORDING PER M.A.G. SEC. 616 TO BE USED FOR ALL WATER, & RECLAIMED WATER LINES AND SERVICES. THE MARKING TAPE SHALL BE PRINTED ON STANDARD COLORED NON-DETECTABLE TAPE. LETTERING SHALL BE BLACK, 1-1/2" HEIGHT MINIMUM.

RECLAIMED WATER LINES SHALL USE PURPLE TAPE & SHALL READ "CAUTION: RECLAIMED WATER LINE" POTABLE WATER LINES SHALL USE BLUE TAPE & SHALL READ "CAUTION: POTABLE WATER LINE"

RAW & NON-POTABLE WATER LINES SHALL USE YELLOW TAPE & SHALL READ "RAW WATER MAINS" AND/OR "NON-POTABLE WATER MAINS".

SEWER AND SERVICE LINES SHALL USE GREEN TAPE & SHALL READ "CAUTION: SEWER LINE".



NOTES:

1. TRENCH WILL BE IN ACCORDANCE WITH M.A.G. SECTION 601.
2. ONE SACK ABC SLURRY (CLSM) TO BE IN ACCORDANCE WITH M.A.G. SECTION 728.
3. DEPTH OF BURY TO BE MIN. 48" IN ALL STREETS. DEPTH OF BURY FOR WATER LINES IN OTHER AREAS TO BE AS FOLLOWS:
 - A) 36" MIN. FOR MAINS 8" DIAMETER AND SMALLER.
 - B) 48" MIN. FOR MAINS 10" DIAMETER AND LARGER.
4. WASHED CRUSHED ROCK TO BE IN ACCORDANCE WITH M.A.G. SECTION 716.2 AND TABLE 716-2. ABC TO BE IN ACCORDANCE WITH M.A.G. SECTION 702.2 AND TABLE 702-1.
5. TRACER WIRE IS TO BE BROUGHT UP TO GRADE AT EACH FIRE HYDRANT TO GROUND / VALVE BOX. FOR LONG RUNS, THE TRACER WIRE IS TO BE BROUGHT UP AT LEAST EVERY 300 FEET INSIDE A TRACER BOX SUCH AS A SNAKEPIT MAGNETIZED TRACER BOX BY COPPERHEAD INDUSTRIES OR APPROVED EQUAL.

DATE: JAN '19			PIPE TRENCH DETAIL	DETAIL NO. JU-2000
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