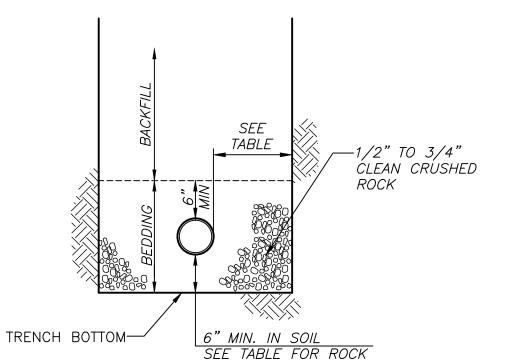


<u>WAT-3</u>



TYP PIPE ENVELOPE (PVC)

<u>NO</u> :	<u>ES</u> :
1.	BACKFILL SHALL BE IN ACCORDANCE W SECTION 2100 OF THE KCMETRO APWA SPECIFICATIONS.

NOMINAL PIPE

DIAMETER

6

8

10

12

2. BEDDING MATERIAL SHALL BE 1/2" TO 3/4" CLEAN CRUSHED ROCK.

<u>WAT-2</u>

MINIMUM TRENCH WIDTHS AND PIPE CLEARANCES (IN)

*TRENCH* 

WIDTH

22

22

24

27

PIPE SIDE

CLEARANCE

(SOIL/ROCK)

6/6

6/6

6/6

6/6

- IN ACCORDANCE WITH CURRENT OSHA
- 3. TRENCH BANKS SHALL BE CUT BACK ON SLOPES REGULATIONS. SLOPES MUST NOT EXTEND BELOW 6. MAXIMUM TRENCH WIDTH SHALL NOT EXCEED TOP OF BEDDING.
- 4. ALL PUBLIC WATER MAINS SHALL BE 6" PVC, C900.
- 5. ALL WATER LINES SHALL HORIZONTALLY CLEAR STORM SEWER STRUCTURES BY 5' AND SANITARY SEWER STRUCTURES BY 10'. WATER MAINS SHALL VERTICALLY CLEAR STORM SEWER STRUCTURES AND SANITARY SEWER STRUCTURES BY 18".

PIPE BOTTOM

CLEARANCE

(SOIL/ROCK)

6/6

6/6

6/6

6/6

MANUFACTURER'S RECOMMENDATIONS. MAXIMUM TRENCH WIDTH IS DEFINED AS THE HORIZONTAL PLANE MEASURED 6" ABOVE THE TOP OF PIPE, PERPENDICULAR TO THE WATER ALIGNMENT.

3741 NE TROON DR LEE'S SUMMIT, MO 64064 816.347.1100

MO STATE CERTIFICATE OF **AUTHORITY #000856** 

PROJECT FOR

LANDROCK **DEVELOPMENT, LLC** 

**CREEKSIDE AT RAINTREE** LOTS 1 THRU 31 LEE'S SUMMIT, MISSOURI

CITY RESUBMITTAL CITY SUBMITTAL MARK DESCRIPTION

10028825-276408 PROJECT NUMBER MARCH 7, 2017 ORIGINAL ISSUE

PROJECT MANAGER SIMON SUN WILL NEDS, E.I.T. PROJECT ENGINEER

SHEET NAME

**WATER MAIN DETAILS** 

SCALE NO SCALE

SHEET NUMBER

01C-CR-WA-04

FILE NAME 01C-CR-WA-04.dwg

PERMIT REVIEW DRAWINGS

UNDERGROUND PIPE INSTALLATION FOR WATER MAIN LINES NOT TO SCALE