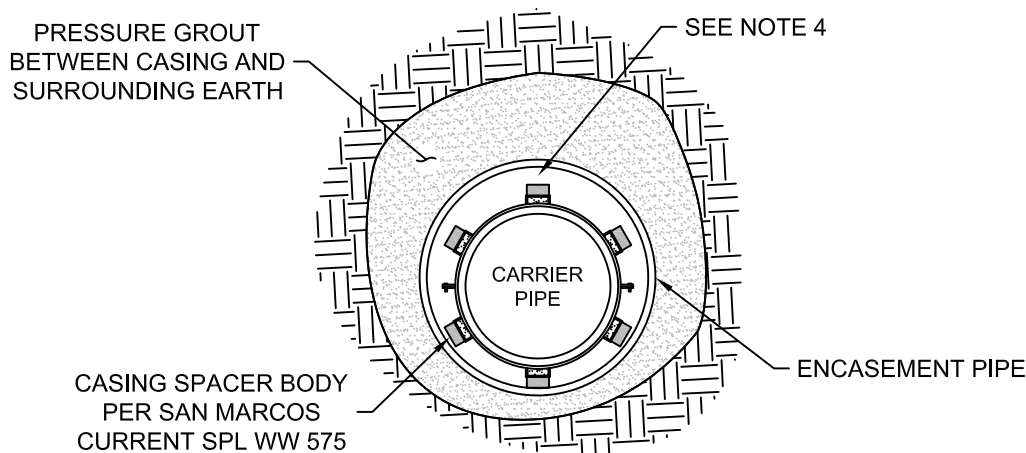


DETAIL A

| | | | |
|--|-----------------------------------|--|---|
| <p>The City of San Marcos Engineering and Capital Improvements</p> | <p>CURRENT AS OF 1/1/2020</p> | <p>ENCASEMENT DETAIL WITH CASING SPACERS</p> | |
| <p>RECORD COPY SIGNED BY LAURIE MOYER, P.E.</p> | <p>1/1/2020 ADOPTED</p> | <p>THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.</p> | <p>STANDARD NO. 501S-1-SM 1 OF 2</p> |

| ENCASEMENT PIPE REQUIREMENTS - TYPICAL | | | |
|--|--------------------------|-------------------------------|------------------------|
| MAIN SIZE (INCHES) | NOM. DIA. STEEL (INCHES) | STEEL PIPE THICKNESS (INCHES) | PIPE WEIGHT (LBS./FT.) |
| 6 / 8 | 18 | 0.375 | 70.59 |
| 12 | 24 | 0.375 | 94.62 |
| 16 / 18 | 30 | 0.375 | 118.65 |
| 20 | 36 | 0.438 | 166.19 |
| 24 | 42 | 0.438 | 194.02 |

| RAILROAD CROSSING CASING REQUIREMENTS | | | |
|---------------------------------------|----------------------------------|-------------------------------|------------------------|
| MAIN SIZE (INCHES) | NOM. DIA. STEEL CONDUIT (INCHES) | STEEL PIPE THICKNESS (INCHES) | PIPE WEIGHT (LBS./FT.) |
| 6 / 8 | 18 | 0.375 | 70.59 |
| 12 | 24 | 0.438 | 110.22 |
| 16 / 18 | 30 | 0.500 | 157.53 |
| 20 | 36 | 0.562 | 212.70 |
| 24 | 42 | 0.625 | 276.18 |



SECTION B - B

NOTES:

1. ALL FITTINGS INSIDE ENCASEMENT PIPE SHALL BE RESTRAINED PER SAN MARCOS CURRENT SPL WW-27A. (THIS DETAIL ILLUSTRATES PVC PIPE ONLY RESTRAINTS WILL BE PER SPL FOR THE PIPE USED AS CARRIER PIPE)
2. ALL FITTINGS INSIDE PIPE CASING WILL HAVE CASING SPACERS BODY PLACED 1 FOOT BEFORE AND AFTER FITTINGS.
3. BOTH ENDS SHALL BE SEALED PER SAN MARCOS CURRENT SPL WW-575A.
4. 1" MINIMUM BETWEEN SPACERS AND CASING PIPE ABOVE CENTER LINE OF PIPE.
5. SPACERS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S PRODUCT SPECIFICATION BUT NO MORE THAN 8' APART.

| | | | | |
|--|--|---------------------------|---|--|
| The City of San Marcos Engineering and Capital Improvements | | CURRENT AS OF 1/1/2020 | ENCASEMENT DETAIL WITH CASING SPACERS | |
| RECORD COPY SIGNED BY <u>LAURIE MOYER, P.E.</u> | | 1/1/2020 ADOPTED | THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD. | STANDARD NO. 501S-1-SM 2 OF 2 |