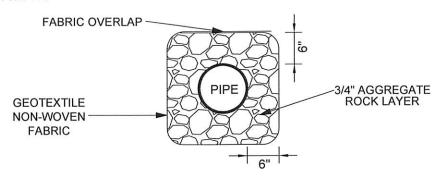


SEWER NOTES

- ALL SEWER LINES INSTALLED SHALL BE PRESSURE TESTED BASED ON THE "AIR PRESSURE TEST" SECTION
 OF THE MOST CURRENT VERSION OF THE "GREENBOOK: STANDARD SPECIFICATIONS FOR PUBLIC
 WORKS CONSTRUCTION"
- 2. ALL SEWER LINES CONSTRUCTED AT A DEPTH OF 9' OR GREATER (TRENCH BOTTOM) FROM THE NATURAL GROUND SURFACE OR WHERE GROUNDWATER IS SEEPING INTO THE TRENCH SHALL BE INSTALLED WITH GEOTEXTILE NON-WOVEN FABRIC (TO BE APPROVED BY CITY) AROUND A 6" THICK LAYER OF 3/4" AGGREGATE ROCK AROUND THE PIPE. THE FABRIC SHALL OVERLAP ON TOP OF THE TRENCH THE ENTIRE TRENCH WIDTH.



- 3. ALL PRECAST MANHOLES SHALL HAVE CERTIFICATES OF COMPLIANCE SUBMITTED TO THE CITY WHEN THE MATERIALS ARE DELIVERED TO THE SITE.
- 4. ALL SEWER LINES INSTALLED WITH A DIAMETER OF 6" OR GREATER SHALL BE TESTED FOR DEFLECTION BASED ON THE "MAXIMUM ALLOWABLE DEFLECTION FOR PLASTIC PIPE AND FITTINGS" SECTION OF THE MOST CURRENT VERSION OF THE "GREENBOOK: STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION"
- 5. ALL SEWER MANHOLES SHALL BE HYDROSTATICALLY TESTED FOR LEAKS AFTER THE COATING HAS BEEN APPLIED AS FOLLOWS:
 - SEAL WASTEWATER LINES COMING INTO THE MANHOLE WITH INTERNAL PLUGS
 - FILL THE MANHOLE WITH WATER INITIALLY FOR 1-HOUR TO ALLOW FOR ANY WATER SETTLEMENT
 - REFILL THE MANHOLE TO THE ORIGINAL WATER LEVEL (APPROXIMATELY 1'-0" BELOW THE TOP OF THE CONE) AND BEGIN THE 4-HOUR TEST. THE MAXIMUM ALLOWABLE LEAKAGE FOR THE HYDROSTATIC TEST SHALL BE 0.025 GALLONS PER FOOT DIAMETER PER FOOT DEPTH PER HOUR (I.E. A 48" DIAMTER MANHOLE THAT IS 8' DEEP HAS AN ALLOWABLE LEAKAGE OF 3.2 GALLONS DURING A 4-HOUR TEST)
 - IF WATER LOSS EXCEEDS AMOUNT TABULATED ABOVE, LOCATE THE LEAKS, COMPLETE ANY NECESSARY REPAIRS TO SEAL MANHOLE AND REPEAT THE TEST UNTIL SATISFACTORY RESULTS ARE OBTAINED.
- 6. ONCE THE MANHOLE COATING HAS BEEN COMPLETED (INCLUDING GRADE RINGS), COATING SHALL BE SPARK TESTED BASED ON THE "SPARK TEST" SECTION OF THE MOST CURRENT VERSION OF THE "GREENBOOK: STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION"
- 7. AFTER A SEWER MANHOLE HAS BEEN ADJUSTED TO GRADE, THE ENTIRE LINER MUST BE REPAIRED (I.E. THE GRADE RINGS CANNOT BE RE-SPRAYED ONLY)
- AFTER A SEWER MANHOLE HAS BEEN ADJUSTED TO GRADE, THE ENTIRE LINER MUST BE REPAIRED
- 9. TOLERANCES FOR SEWER LINE INSTALLATION SHALL CONFORM TO THE "PIPE LAYING" SECTION OF THE MOST CURRENT VERSION OF THE "GREENBOOK: STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION"

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SENIOR-ENGINEER
R.C.E. 24740
DIRECTOR OF PUBLIC WORKS

DATE

CITY OF EL CENTRO
PUBLIC WORKS DEPARTMENT

SEWER NOTES

DWG NO. EC-630