- 1. Thrust blocking shall be installed on water mains at all bends, tees, elbows, etc. except
- Thrust blocks not permitted with 45° vertical bends in water main

 these shall be restrained with
 Mega-Lug

 or equivalent.
- Water main shall be ductile iron pipe, Class 52 conforming to A.N.S.I. A-21.51 or AWWA C-151.
- Gaskets and cast iron fittings shall conform to A.N.S.I. A-21.11 or AWWA C-110 and C-111
 water main shall be cement lined in conformance with A.N.S.I. A-21.4 or AWWA C-104.
- Minimum cover from finished grade to top of water main shall be six (6) feet; Maximum cover shall be eight (8) feet.
- Water Main Taps: an Illinois licensed plumber is required for any water main tap.
- 7. All water mains shall be subjected to a pressure test and a separate leakage test at system pressure for 24 hours by the Contractor. Hydrostetic pressure test and leakage shall be based on 125 psi for two (2) hours. Water mains shall be chlorinated in accordance with the Standard Specifications.
- 8. The Underground Contractor shall consider incidental to the contract any chlorination and testing of existing water main where connections to and conclusion of such mains is indicated or the drewings. In the event that the pressure attributable to defactive original workmanship and material, then the Contractor shall be entitled to additional payment for correcting the deficiencies.

es and bases shall be proof-rolled and approved by the Enginee

- nsed pavements shall be finished by the Excava s, of plan elevation.
- The Paving the finished writing prior to f
- For the purpose of pr a with the American For the purpose of provide Disability Act and City Stan walks or pedestrian paths in
- ¼ inch thick premoulded fibre expa-bers shall be installed at designated the end of each pour. Alternate en wo (2) No. 4 plain round steel dowel t all P.C., P.T., curb returns and at hall be greased and fittled with
- where the sidewalk saw cut at designated as incidental to the coincides with the curb ar intervals in the curb. To cost of the contract.
- urb and gutter shall incorporations and gutter crosses utility s
- ired) shall be of the thickness and dimens All sidewalk concrete shall be a minimum of 6.1 b and shall develop a minimum of 3,500 psi compressi b) an area weeks a minimum of stops a compression of the control of the second of the control of the control of premoulded fibre expansion joints at forty (40) foot centers and its the curb or another sidewalk, or at the end of each pour. All se fied over utility trenches and/or abutting driveway aprons shall be r No. 4 reinforcing bars (10 foot minimum length).

Approved: City Engineer Ust Chans Victor C. Ramirez, P.E. Director of Engineering and Building

Director of Engineering and Building

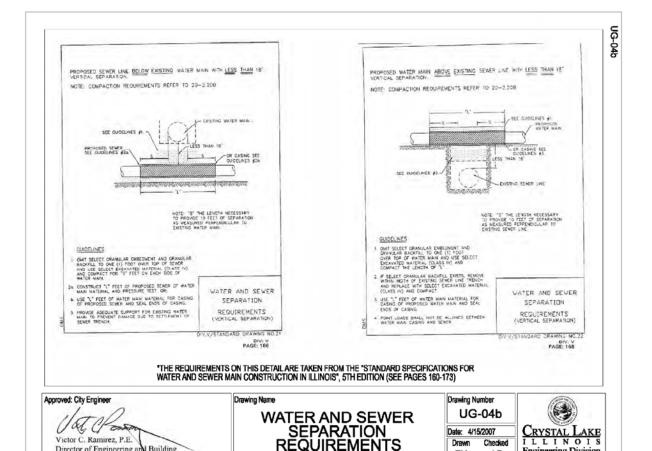
STANDARD NOTES AND SPECIFICATIONS Drawing Number GE-02d

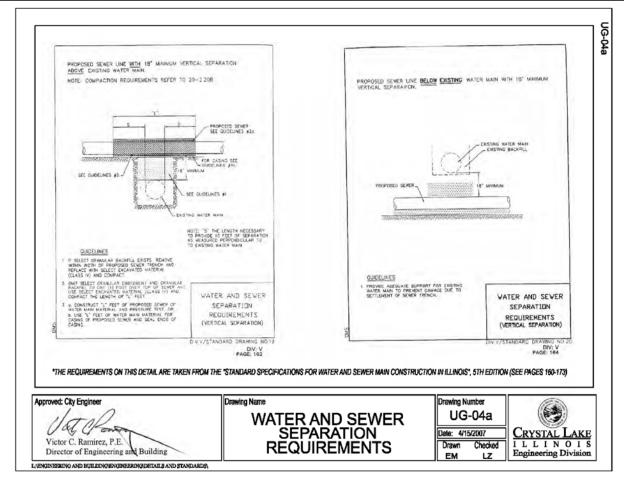
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EM LZ

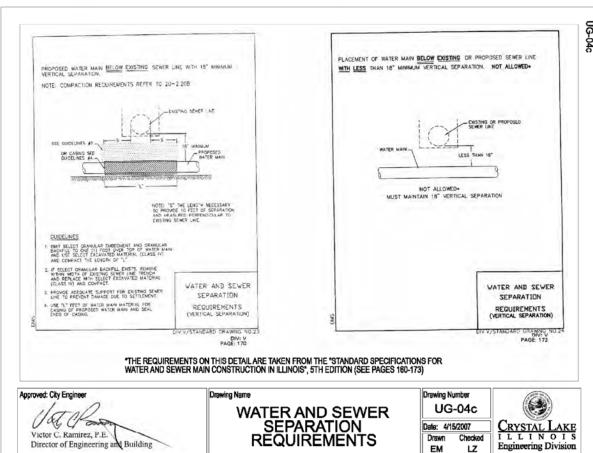
CRYSTAL LAKE
I L L I N O I S
Engineering Division

LZ Engineering Division

EM









STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NONE

				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
WATER MAIN CONSTRUCTION DETAILS			305	27R-3	MCHENRY	431	155	
						CONTRAC	T NO. (52517
	SHEET NO. 155 OF 431 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT			