TO BE ADDED TO "GENERAL NOTES"
FOR ALL
WATER IMPROVEMENT PLANS

16. Water mains within New Model Colonies up to 16" shall be C900 Class 200 or C905 PVC, or 16" 10 gauge CML/CMC welded Steel Mortar Lined and Coated only or within the Old Model Colonies shall be Class 350 Ductile Iron Cement Mortar Lined and Asphalt Coated or 10 gauge CML/CMC welded Steel Mortar Lined and Coated only. Water mains over 16" within the New Model Colonies shall be CML/CMC and within the Old Model Colonies shall be Class 350 Ductile Iron Cement Mortar Lined and Asphalt Coated or 10 gauge CML/CMC welded Steel Mortar Lined and Coated only

17. Prior to starting construction, the Contractor shall verify location and elevation of the existing water main(s) and notify the design Engineer of any variation from design.

18. All valve operations shall be by city forces. The Contractor shall contact the City a minimum of 48 hours prior to time of the required valve operations (909) 395-2025.

19. Minimum cover of water mains shall be 42 inches from the finished surface for pipes under 12" diameter and 48 inches for pipes 12" diameter and larger, unless otherwise approved by the City Engineer.

20. Water main line stationing is per pipe centerline.

21. Street centerline stationing is per the street improvement plans and provided for reference.

22. The Contractor shall install suitable thrust blocks at every vertical and/or horizontal change of direction in accordance with City of Ontario Standard Drawing No. 4004, whether or not specifically called for or shown on the Plan. Upon approval by City, Contractor may utilize fully welded joints (in lieu of thrust blocks) per City of Ontario Standard Drawing No. 4003. Thrust restraint for PVC pipe shall be accomplished with the use of restrained joints per Standard Drawing No. 4010.

23. All materials, testing, and inspection of pipe shall be in conformance with the requirements of City of Ontario and the American Water Works Association (AWWA) Standards. Failure to meet any of these requirements will be cause for rejection.

24. All welded steel pipe used shall be cement mortar lined and coated, 10 gauge (minimum), unless noted otherwise.

25. All steel bends and fitting shall be cement mortar lined and coated and shall be shop fabricated per AWWA C-208. Contractor shall submit fabrication drawings for all AWWA shop fabricated fittings to the City.

26. All appurtenances (i.e. AV, BO, FH, services, etc.) that require relocation shall be reconstructed in accordance with current City standards. Each appurtenance to be relocated shall be evaluated in the field on a case by case basis and reconstructed as directed by the City. However, unless otherwise approved by the City, relocated appurtenances shall be reconstructed from the main to the proposed location.

27. Test pressure shall be 150% of pipe class rating (IE: Class 150=225 PSI test), shall be under continuous inspection, and shall be in accordance with City standard procedures.

28. Separation requirements between water, recycled water, and sewer lines shall conform to the State of California Department of Health Services Requirements and the City of Ontario design standards. If conflicts between City and DOHS standards exist, the DOHS criteria will control. When minimum separation cannot be achieved, Standard Drawing No.4001 shall be strictly followed.

29. Contractor shall not backfill trench until the City Inspector has obtained as-built stationing on all structures.

30. Upon completion of construction of all CML/CMC waterlines, the contractor shall hire a City approved video company to video tape the pipelines. City shall review said videotapes for potential construction defects prior to acceptance of the project.

31. Inscribe an “S”, “W”, and/or “I” on the face of the curb to indicate where sewer laterals, water laterals and/or recycled water services cross the curbline.