

**SANITARY SEWER GENERAL NOTES**

1. ALL WORK UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE TOWN OF ADDISON STANDARD SPECIFICATIONS.
2. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO THE CONSTRUCTION OF ANY SUCH CROSSING. NECESSARY CROSSING CLEARANCES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION OF ANY SUCH CROSSING.
3. CONTRACTOR SHALL COORDINATE WITH THE OWNER, ENGINEER OR HIS REPRESENTATIVE AND TOWN REPRESENTATIVE REGARDING ANY EXISTING UTILITIES AND TOWN REPRESENTATIVE REGARDING ANY EXISTING UTILITIES.
4. CONTRACTOR SHALL MAINTAIN ONE (1) SET OF RECORD DRAWINGS (AS BUILT) ON SITE WHICH WILL BE SUBMITTED TO TOWN OF ADDISON AT THE LOCATION OF FINAL SEWER SERVICE LOCATIONS TO BE SHOWN.
5. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL WATER MAINS, GAS MAINS, FIRE HYDRANTS, SEWER LATERALS, WATER SERVICE, ETC.
6. THE CONTRACTOR SHALL SET UTILITIES TO PROPER LINE AND GRADE PRIOR TO THE PLACING OF PERMANENT PAVEMENT.
7. SANITARY SEWER PIPE SHALL CONFORM TO TOWN SPECIFICATIONS AND SHALL BE MANUFACTURED FROM ONE OF THE FOLLOWING MATERIALS:
  - a. 18" TO 30" DIAMETER (CIP)
  - b. 18" TO 30" DIAMETER (CIP) (SEE NOTE 13)
8. SANITARY SEWER PIPE MUST BE KEPT CLEAR OF BROKEN CONCRETE, DIRT OR OTHER OBSTACLES WHICH MIGHT CAUSE DAMAGE TO THE PIPE DURING CONSTRUCTION OPERATIONS.
9. SANITARY SEWER LATERALS SHALL BE INSTALLED WITH A MINIMUM COVER OF 3' UNLESS OTHERWISE NOTED. WATER MAINS WHERE CROSSING OCCUR ON EITHER SIDE OF WATER MAINS WHERE CROSSING OCCUR.
10. CONTRACTOR SHALL TIE ALL 1" WIDE PIECE OF RED PLASTIC FLAGGING TO THE END OF SEWER SERVICE AND SHALL LEAVE A MINIMUM OF 1' OF EXPOSED RED PLASTIC FLAGGING AT THE END OF THE SEWER SERVICE. CONTRACTOR SHALL MARK THE LOCATION OF THE SEWER SERVICE TO BE SHOWN IN ACCORDANCE WITH THE STANDARD TOWN SPECIFICATIONS.
11. THE CONTRACTOR SHALL FURNISH A MAINTENANCE BOND TO THE TOWN OF ADDISON FROM THE DATE OF FINAL ACCEPTANCE OF THE SYSTEM BY THE TOWN.
12. ALL SANITARY SEWER LATERALS SHALL BE SEED AND LOCATED AS SHOWN.
13. ALL MANHOLES WILL BE INSTALLED WITH INSERTS.

**WATER LINE GENERAL NOTES**

1. ALL WORK AND MATERIALS UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR TOWN OF ADDISON.
2. BASE RIB - ALL 6", 8", 10" AND 12" WATER MAINS SHALL BE PVC (AWWA C900 DR 15 CLASS 150) WATER PIPE FOR PVC SERVICE TAPPING SADDLES SHALL BE USED.
3. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM COVER OF 3' UNLESS OTHERWISE NOTED. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM COVER OF 3' UNLESS OTHERWISE NOTED. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM COVER OF 3' UNLESS OTHERWISE NOTED.
4. EXPOSED WATER DEPOSITS AND SANITARY SEWER LATERALS BEYOND EXTENDED CURB AS SHOWN ON THE WATER MAIN LAYOUT SHALL BE TO BE TOWN OF ADDISON APPROVED (MUELLER CENTERLINE MODEL).
5. VALVES TO BE TOWN OF ADDISON APPROVED.
6. THE WATER METER BOX SHALL BE FINISHED AND INSTALLED BY THE CONTRACTOR. THE WATER METER SHALL BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING RECORD DRAWINGS TO THE ENGINEER SHOWING THE LOCATION OF ALL WATER MAINS AND SANITARY SEWER LATERALS ON THE RECORD DRAWINGS.
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9. FIRE HYDRANTS SHALL BE PAINTED AS PER TOWN OF ADDISON STANDARDS AND SPECIFICATIONS AND LOCATED IN A PROTECTED AREA WITH 6" CURB OR BOLLARDS.
10. STEAMER NOZZLES ON FIRE HYDRANTS SHALL BE 1 1/2" TYPE K COPPER. THE FIRE LANE OR STREET FIRE HYDRANTS SHALL USUALLY BE MORE THAN 50' (5) FEET BEHIND THE CURB.
11. ALL WATER LINES SHALL BE HYDROSTATICALLY TESTED PER TOWN OF ADDISON STANDARDS AND SPECIFICATIONS.
12. ALL WATER LINES SHALL BE PROTECTED PER TOWN OF ADDISON STANDARDS AND SPECIFICATIONS.
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18. THE CONTRACTOR SHALL SET UTILITIES TO PROPER LINE AND GRADE PRIOR TO THE PLACING OF PERMANENT PAVEMENT.
19. SANITARY SEWER PIPE SHALL CONFORM TO TOWN SPECIFICATIONS AND SHALL BE MANUFACTURED FROM ONE OF THE FOLLOWING MATERIALS:
  - a. 18" TO 30" DIAMETER (CIP)
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22. CONTRACTOR SHALL TIE ALL 1" WIDE PIECE OF RED PLASTIC FLAGGING TO THE END OF SEWER SERVICE AND SHALL LEAVE A MINIMUM OF 1' OF EXPOSED RED PLASTIC FLAGGING AT THE END OF THE SEWER SERVICE. CONTRACTOR SHALL MARK THE LOCATION OF THE SEWER SERVICE TO BE SHOWN IN ACCORDANCE WITH THE STANDARD TOWN SPECIFICATIONS.
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24. ALL SANITARY SEWER LATERALS SHALL BE SEED AND LOCATED AS SHOWN.
25. ALL MANHOLES WILL BE INSTALLED WITH INSERTS.

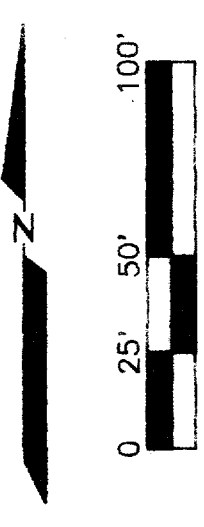
**WATER LINE GENERAL NOTES (CONT)**

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BENCHMARK:  
 1" CUT ON STORM SEWER  
 BELT LINE ROAD WEST  
 OF COMMERCIAL DRIVE  
 ELEV. = 580.56



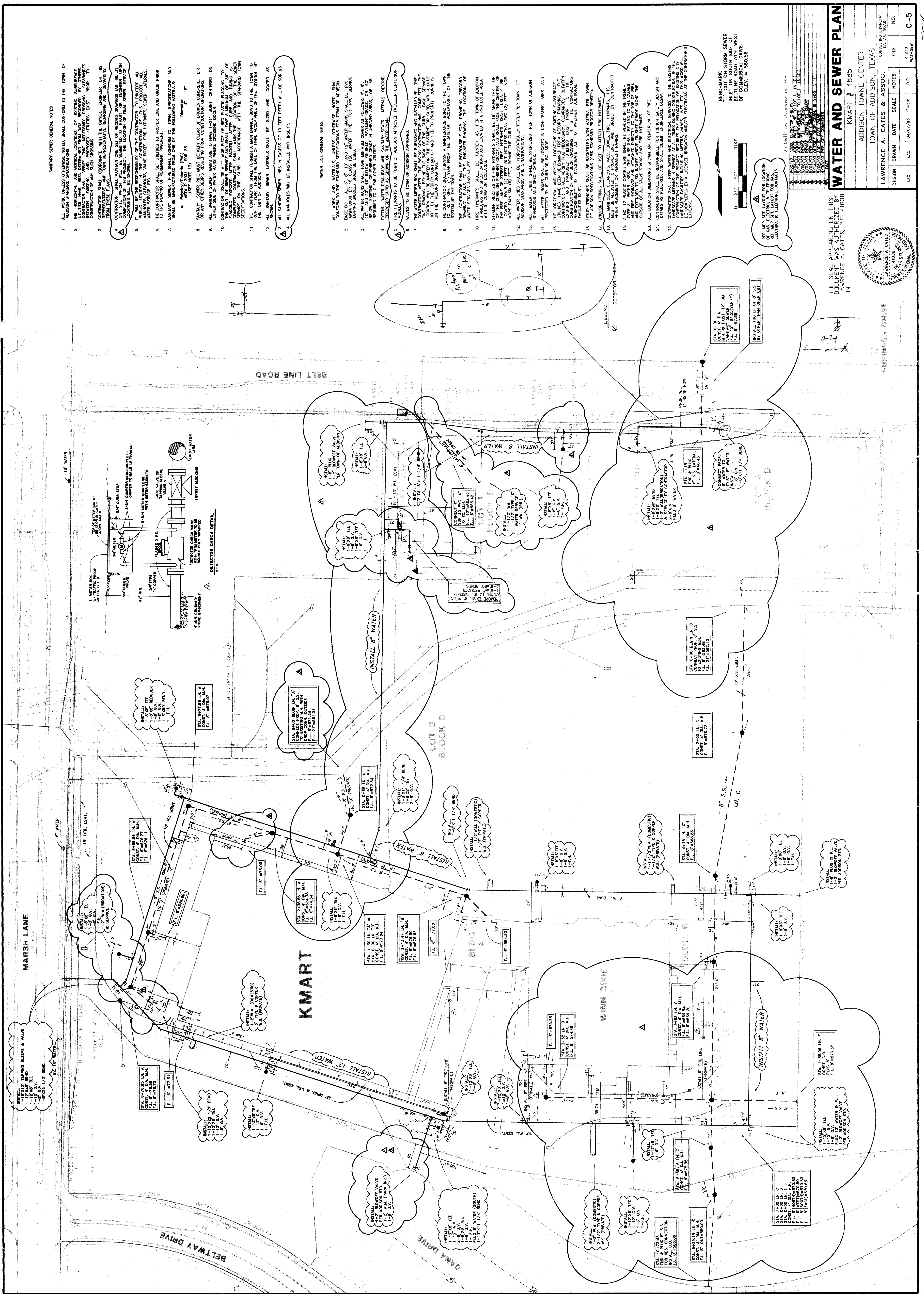
SEE PLAN FOR LOCATION OF GAS, ELECTRIC, & TELEPHONE. ELECTRICAL & TELEPHONE CONTACTS.

**WATER AND SEWER PLAN**

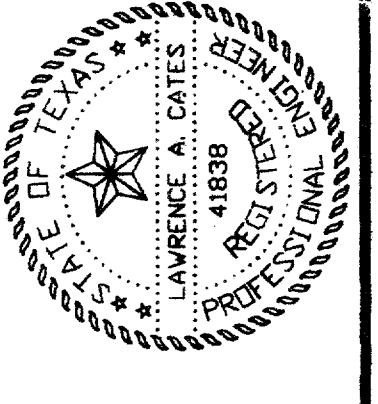
ADDISON TOWNE CENTER  
 TOWN OF ADDISON, TEXAS  
 LAWRENCE A. CATES & ASSOC.  
 CONSULTING ENGINEERS  
 DALLAS, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE NO.
LAC	LAC	04/07/83	1"=50'	D.P.	81012
					WAT-SEW

C-5



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY LAWRENCE A. CATES, P.E. 41838



5935 SINS DRIVE