

SANITARY SEWER GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE TOWN OF ADDISON STANDARD SPECIFICATIONS.
2. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM DATA RECORDED BY OTHERS. CONTRACTOR SHALL VERIFY THAT NECESSARY CROSSING CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES EXIST PRIOR TO CONSTRUCTION OF ANY SUCH CROSSING.
3. CONTRACTOR SHALL COORDINATE WITH THE OWNER, ENGINEER OR HIS REPRESENTATIVE AND CITY REPRESENTATIVE REGARDING ANY DEVIATIONS FROM THESE PLANS.
4. CONTRACTOR SHALL MAINTAIN ONE SET OF RECORD DRAWINGS (AS BUILT) ON SITE WHICH WILL BE SUBMITTED TO THE ENGINEER UPON COMPLETION OF THIS PROJECT.
5. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT; ALL MANHOLES, CLEANOUTS, VALVE BOXES, 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 CITY SPECIFICATIONS AND SHALL BE MANUFACTURED FROM THE FOLLOWING MATERIAL:
 - a. Polyvinylchloride (PVC) Diameter 4" - 15"
ASTM D 3034 SDR 35
 - b. PVC ASTM C900, DR18, CL150 2" FORCE MAIN
8. SANITARY SEWER PIPE MUST BE KEPT CLEAR OF BROKEN CONCRETE, DIRT OR ANY OTHER DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS.
9. ALL SANITARY SEWER MAINS ARE TO HAVE 1-21" JOINT CENTERED ON EITHER SIDE OF WATER MAINS WHERE CROSSING OCCURS.
10. CONTRACTOR SHALL TIE A 1" WIDE PIECE OF RED PLASTIC FLAGGING TO THE END OF SEWER SERVICE AND SHALL LEAVE A MINIMUM OF 36" OF FLAGGING EXPOSED AFTER BACKFILL. AFTER CURB AND PAVING IS COMPLETED, CONTRACTOR SHALL MARK THE LOCATION OF THE SEWER SERVICE ON THE CURB IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
11. THE CONTRACTOR SHALL FURNISH A MAINTENANCE BOND TO THE TOWN & DEVELOPER TO RUN 1 YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE SYSTEM BY THE TOWN OF ADDISON.
12. ALL SANITARY SEWER LATERALS SHALL BE SIZED AND LOCATED AS SHOWN.

WATER LINE GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR THE TOWN OF ADDISON.
2. ALL WATER MAINS SHALL BE PVC AWWA C900, DR 14, CLASS 200 WATER PIPE. FOR PVC SERVICE TAPS 1" AND LARGER, TAPPING SADDLES SHALL BE USED.
3. THERE SHALL BE A MINIMUM COVER OF 42" OVER THE WATER PIPE AS MEASURED FROM THE TOP OF THE PIPE TO EXISTING GROUND OR THE PROPOSED FINISHED GRADE, WHICHEVER IS GREATER.
4. FIRE HYDRANTS TO BE TOWN OF ADDISON APPROVED.
5. VALVES TO BE TOWN OF ADDISON APPROVED.
6. THE WATER METER BOX SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AFTER THE PAVING CONTRACTOR HAS COMPLETED THE FINE GRADING BEHIND THE BACK OF THE CURB. EACH SERVICE LOCATION WILL BE MARKED ON THE PAVEMENT OR CURB, WITH A BLUE DOT BY THE UTILITY CONTRACTOR AND TIED TO PROPERTY CORNERS ON THE "RECORD DRAWINGS."
7. THE CONTRACTOR SHALL FURNISH A MAINTENANCE BOND TO THE TOWN OF ADDISON TO RUN ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THE SYSTEM BY THE CITY.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "RECORD DRAWING" PLANS TO THE ENGINEER SHOWING THE LOCATION OF WATER SERVICES AND VALVES.
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 18" ABOVE THE TOP OF THE CURB ON FINISHED GRADE, AND SHALL FACE THE CENTER OF THE FIRE LANE OR STREET. FIRE HYDRANTS SHALL USUALLY BE LOCATED FOUR (4) FEET, BUT NOT LESS THAN TWO (2) FEET NOR MORE THAN SIX (6) 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 STERILIZED PER TOWN OF ADDISON STANDARDS AND SPECIFICATIONS.
13. ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS AND PROTECTED BY 6" CURB OR BOLLARDS.
14. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING SUBSURFACE UTILITIES HAVE BEEN DETERMINED FROM RECORD DRAWINGS BY OTHERS. THE CONTRACTOR SHALL VERIFY THAT NECESSARY CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES EXIST PRIOR TO THE CONSTRUCTION OF ANY SUCH CROSSING.
15. UTILITY TRENCHES SHALL BE BACKFILLED WITH MATERIAL PER TOWN OF ADDISON SPECIFICATIONS.
16. ANCHOR FITTINGS SHALL BE USED TO ATTACH FIRE HYDRANTS.
17. EXTEND WATER DEADHEADS AND SANITARY SEWER LATERALS BEYOND PROPOSED CURB AS SHOWN ON PLAN.

TARGET REVIEWED BY:

SITE DEVELOPMENT MANAGER	REVIEW AND RESUBMIT	NOT REVIEWED	APPROVED
PROJECT ARCHITECT	REVIEW AND RESUBMIT	NOT REVIEWED	APPROVED
PROJECT ENGINEER (M)	REVIEW AND RESUBMIT	NOT REVIEWED	APPROVED
PROJECT ENGINEER (E)	REVIEW AND RESUBMIT	NOT REVIEWED	APPROVED
PROJECT ENGINEER (S)	REVIEW AND RESUBMIT	NOT REVIEWED	APPROVED

APPROVED ONLY FOR COMPLIANCE OF THE SITE CONSTRUCTION DOCUMENTS TO TARGET DEVELOPER. SEE SECTION 2.2 AND THE TARGET BUILDING DOCUMENTS. CONSULTANT IS SOLELY RESPONSIBLE FOR COMPLETENESS, ACCURACY, AND DIMENSIONS ON THE SITE CONSTRUCTION DOCUMENTS.

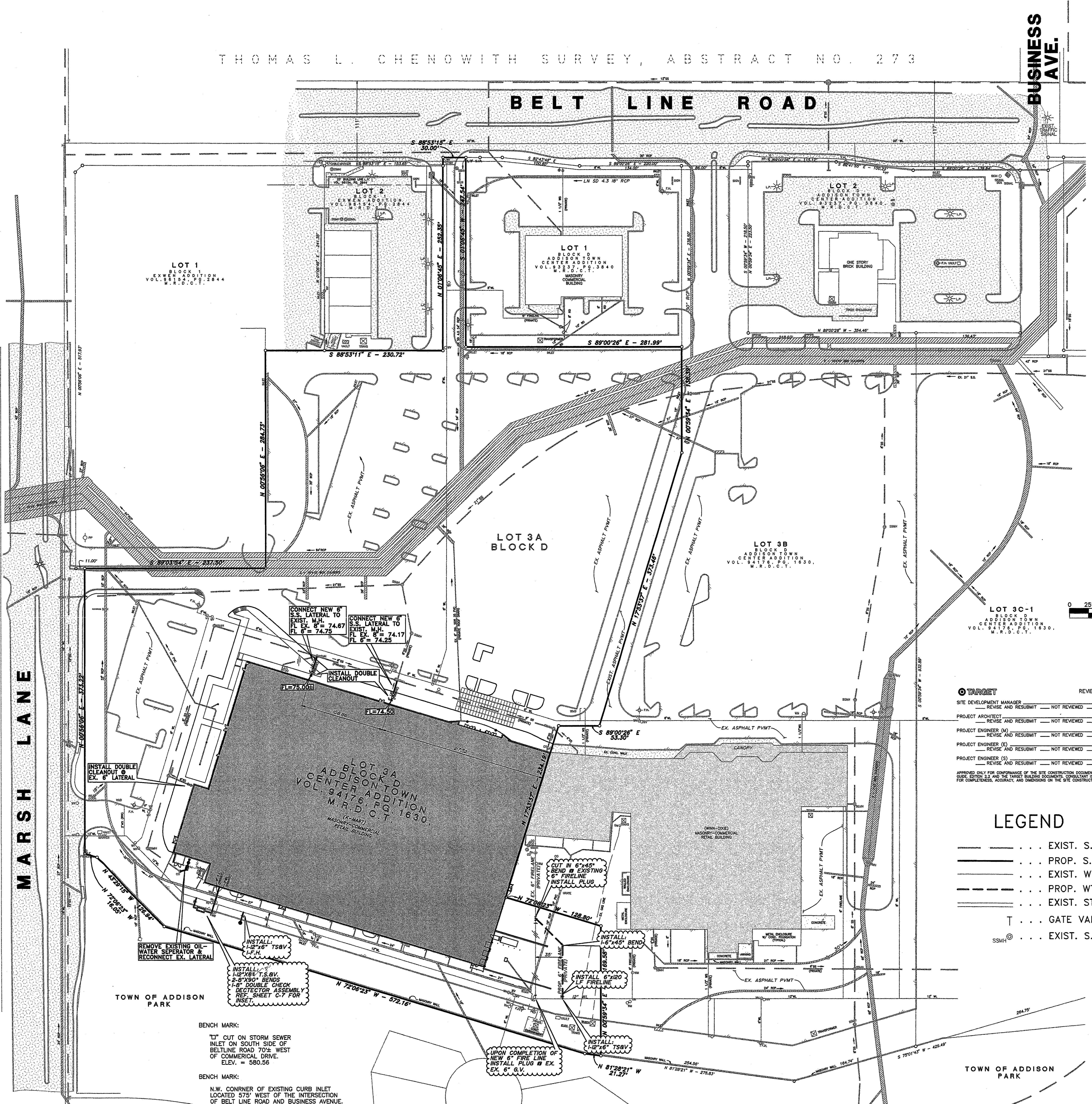
LEGEND

- EXIST. S.S.
- PROP. S.S.
- EXIST. WTR.
- PROP. WTR.
- EXIST. STM. SWR.
- T GATE VALVE
- SMH EXIST. S.S. M.H.

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY LAWRENCE A. CATES, P.E. 41838 ON 02-07-03



WATER & SANITARY SEWER					
TARGET					
MARSH LANE & BELTLINE ROAD					
THE TOWN OF ADDISON, TEXAS					
LAWRENCE A. CATES & ASSOC.			CONSULTING ENGINEERS		
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE NO.
LAC	LAC	10/02	1"=50'	D.P.	22051 WATSEW C-9



BENCH MARK:
"1" CUT ON STORM SEWER INLET ON SOUTH SIDE OF BELTLINE ROAD 703' WEST OF COMMERCIAL DRIVE. ELEV. = 580.56

BENCH MARK:
N.W. CORNER OF EXISTING CURB INLET LOCATED 575' WEST OF THE INTERSECTION OF BELT LINE ROAD AND BUSINESS AVENUE.