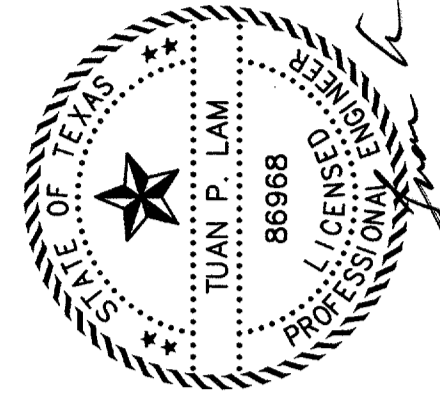


**WATER & SANITARY SEWER NOTES:**

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STANDARD CONSTRUCTION SPECIFICATIONS OF N.C.T.C.O.G. LATEST EDITION & THE TOWN OF ADDISON STANDARDS AND SPECIFICATIONS, EXCEPT AS NOTED HEREIN.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH TOWN STANDARDS, TEXAS STATE LAW, AND O.S.H.A. STANDARDS FOR ALL EXCAVATION IN EXCESS OF FIVE FEET AND ALL EXCAVATION DEPTHS IN EXCESS OF SIX FEET.
3. THE LOCATION OF ALL UTILITIES LOCATED ON THESE PLANS ARE TAKEN FROM EXISTING PUBLIC RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL PUBLIC UTILITIES MUST BE DETERMINED BY THE CONTRACTOR. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT.
5. ALL WATER & SANITARY SEWERS INSTALLED OUTSIDE OF AN EASEMENT SHALL BE INSTALLED IN A TRENCH WITH A MINIMUM COVER OF 42" OR SUFFICIENT TO PROTECT THE SEWER FROM DAMAGE AND INSPECTED BY CODE ENFORCEMENT.
6. BACKFILL FOR UTILITIES SHALL BE CLASS D, OR CLASS 250 ON SIZES 12" AND SMALLER IN ACCORDANCE WITH ANMA SPECIFICATION C-110-84 AND C-111-84. ALL FITTINGS WILL BE POLYWRAPPED (BML).
7. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 42" OR SUFFICIENT TO PROTECT THE MAIN FROM DAMAGE AND INSPECTED BY CODE ENFORCEMENT. EXISTING GROUND LEVEL OR FINISHED GRADE, WHICHEVER IS GREATER, SHALL BE SHOWN ON THE PLANS. GRADE-LOK HYDRANT LEAD.
8. FIRE HYDRANTS SHALL BE PLACED 3' FROM BACK OF CURB LOCATED AS SHOWN ON THE PLANS. GRADE-LOK HYDRANT LEAD.
9. ALL GATE VALVES SHALL BE TOWN APPROVED.
10. ALL WATER AND SANITARY MAINS AND SERVICES SHALL HAVE A 10' MIN. LATERAL SEPARATION, ALL WATER AND SEWER CROSSINGS SHALL COMPLY WITH TEXAS NATURAL RESOURCE CONSERVATION COMMISSION REG.
11. CONCRETE BLOCKING SHALL BE PROVIDED ON WATER MAINS AT ALL TEES, FIRE HYDRANTS, AND BENDS PER TOWN OF ADDISON STANDARDS. PAYMENT FOR CONCRETE BLOCKING SHALL BE SUBSIDIARY TO PIPE INSTALLATION.
12. ALL WATER MAINS SHALL BE INSTALLED IN TRENCHES IN ADDITION TO RESTRAINING GLANDS - "MEGA-LUG" OR APPROVED EQUAL.
13. EMBEDED PVC WATER MAIN SHALL COMPLY WITH THE TOWN DETAILS AND SPECIFICATIONS.
14. ALL WATER METERS TO BE PLACED IN A NON-TRAFFIC AREA.
15. FIRE SPRINKLER LINE SHALL BE SIZED AND INSTALLED BY A STATE LICENSED FIRE SPRINKLER CONTRACTOR.
16. SANITARY SEWER MANHOLES SHALL BE CONSTRUCTED OF CAST-IN-PLACE CONCRETE WITH CAST IRON RING AND COVER PER TOWN OF ADDISON DETAILS. THE SLOPE FOR SANITARY SEWER LATERALS SHALL BE 2% OR 1/4" PER FOOT, OR AS SHOWN ON PLANS.
17. REFER TO MECHANICAL PLANS FOR EXACT WATER AND SEWER SERVICE LOCATIONS.
18. ALL SANITARY SEWER LINES SHALL MEET ASTM-D 3034, PVC SEWER PIPE DR35 PER TOWN OF ADDISON DETAILS. ALL SANITARY SEWER LATERALS SHALL BE 12" DIA. PVC SEWER PIPE DR35 PIPE SHALL HAVE INTEGRAL WALL BELL AND SPIGOT JOINTS.
19. ALL WATER SERVICES SHALL BE TYPE "K" COPPER PIPE.



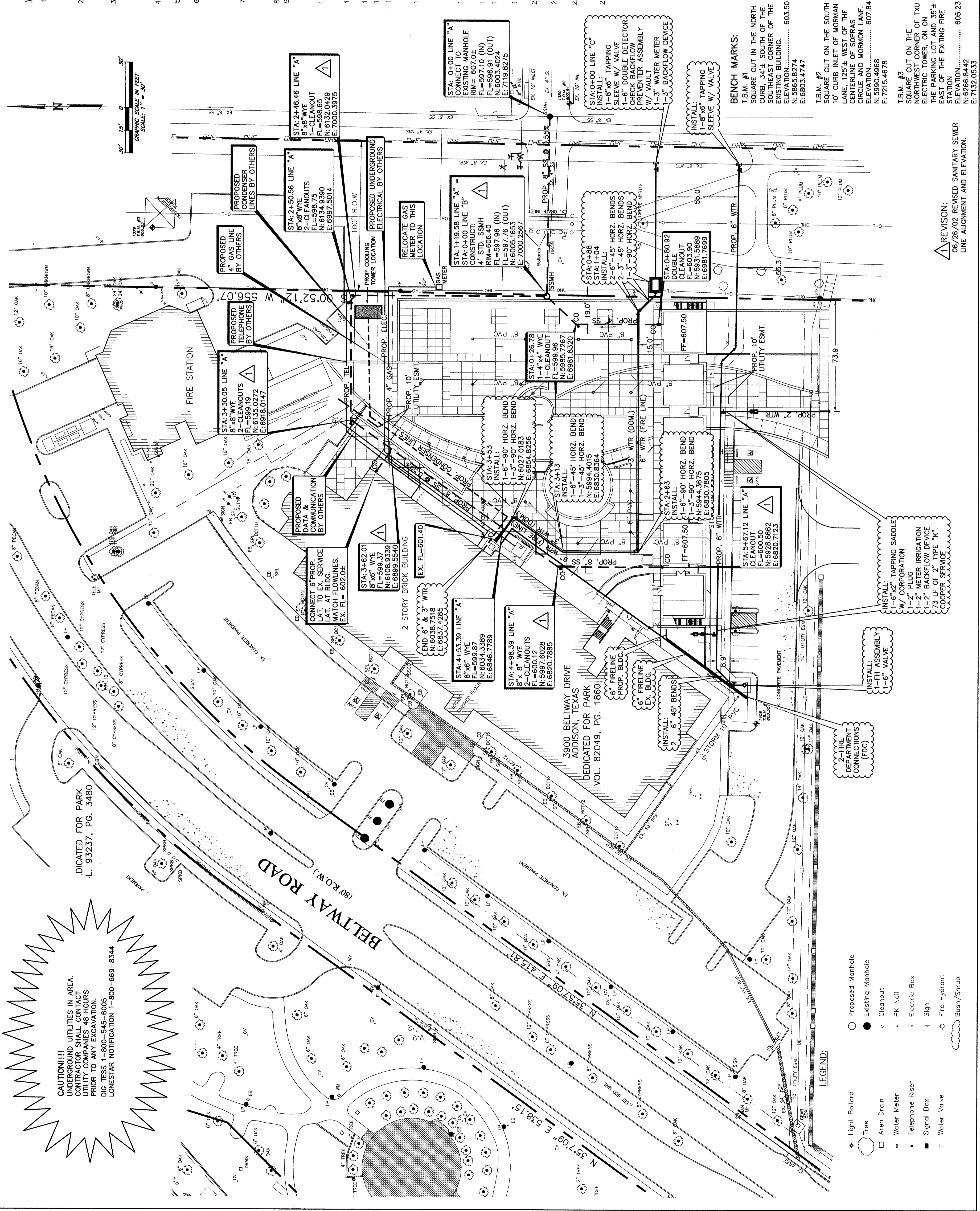
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY TUAN P. LAM, P.E. 88988 ON 06/28/02. ALTERATION OF THIS SEAL OR SEAL LOCATION TO ANY OTHER LOCATION BY THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

**WATER & SANITARY SEWER PLAN**  
**ADDISON ATHLETIC CLUB**  
**EXPANSION & LEISURE POOL**  
ADDISON, TEXAS

**R-DELTA ENGINEERS, INC.**  
618 MAIN STREET  
GARLAND, TEXAS 75040  
Phone (972) 494-5031  
www.rdelta.com

DESIGN: CTL  
CHECKED: JRP  
DATE: FEBRUARY, 2002  
PROJECT: 982-01

DRAWN: CEM  
SCALE: 1"=30'  
7 of 11



**CAUTION!!!**  
UNDERGROUND UTILITIES IN AREA.  
CONTRACTOR SHALL CONTACT  
UTILITY COMPANIES 48 HOURS  
PRIOR TO ANY EXCAVATION.  
DIG TESS: 1-800-545-8005  
LONESTAR NOTIFICATION 1-800-689-8344

- LEGEND:**
- \* Light Bollard
  - Tree
  - Area Drain
  - Water Meter
  - Telephone Risers
  - Signal Box
  - T Water Valve
  - Proposed Manhole
  - Existing Manhole
  - Cleanout
  - PK Nail
  - Electric Box
  - Sign
  - Fire Hydrant
  - Bush/Shrub

**REVISIONS:**  
06/28/02 REVISED SANITARY SEWER  
LINE ALIGNMENT AND ELEVATION.

T.B.M. #3  
SQUARE CUT ON THE  
EAST SIDE OF TOWN  
ELECTRIC TOWER, ON ON  
THE PARKING LOT AND 35'±  
EAST OF THE EXISTING FIRE  
STATION.  
STATION: ..... 605.23  
ELEVATION: ..... 607.84  
N: 62668442  
E: 72154678

T.B.M. #4  
SQUARE CUT ON THE SOUTH  
EAST CORNER OF TOWN  
ELECTRIC TOWER, ON ON  
THE PARKING LOT AND 35'±  
EAST OF THE EXISTING FIRE  
STATION.  
STATION: ..... 605.23  
ELEVATION: ..... 607.84  
N: 62668442  
E: 72154678

T.B.M. #5  
SQUARE CUT ON THE SOUTH  
EAST CORNER OF TOWN  
ELECTRIC TOWER, ON ON  
THE PARKING LOT AND 35'±  
EAST OF THE EXISTING FIRE  
STATION.  
STATION: ..... 605.23  
ELEVATION: ..... 607.84  
N: 62668442  
E: 72154678

T.B.M. #6  
SQUARE CUT ON THE SOUTH  
EAST CORNER OF TOWN  
ELECTRIC TOWER, ON ON  
THE PARKING LOT AND 35'±  
EAST OF THE EXISTING FIRE  
STATION.  
STATION: ..... 605.23  
ELEVATION: ..... 607.84  
N: 62668442  
E: 72154678

T.B.M. #7  
SQUARE CUT ON THE SOUTH  
EAST CORNER OF TOWN  
ELECTRIC TOWER, ON ON  
THE PARKING LOT AND 35'±  
EAST OF THE EXISTING FIRE  
STATION.  
STATION: ..... 605.23  
ELEVATION: ..... 607.84  
N: 62668442  
E: 72154678

T.B.M. #8  
SQUARE CUT ON THE SOUTH  
EAST CORNER OF TOWN  
ELECTRIC TOWER, ON ON  
THE PARKING LOT AND 35'±  
EAST OF THE EXISTING FIRE  
STATION.  
STATION: ..... 605.23  
ELEVATION: ..... 607.84  
N: 62668442  
E: 72154678