

# **CONSTRUCTION SPECIFICATIONS**

*(adopted 5-8-01-Comm.Ct. Vol. 70, Pge 864/883-892)*

## **TOM GREEN COUNTY**

(Main Source: TxDOT Construction Specifications)

Prior to construction and recording of necessary locator maps and/or drawings, the following construction specifications should be obtained from the County Clerk's office located in the Court Street Annex at 124 W. Beauregard, San Angelo, Texas, 76903. The company/the utility shall notify the Commissioner or the Commissioner's assistant of the precinct where work is to commence prior to installation. This notification shall be immediately followed by submission of the appropriate paperwork for presentation at the next regular session of the Tom Green County Commissioners' Court *(amended 11-14-01-Comm.Ct. Vol. 72, Pg. 352)*

1. Overhead Power and Communication Lines.
2. Underground Power Lines.
3. Underground Communication Lines.
4. Water Lines.
5. Low Pressure Gas Lines.
6. High Pressure Gas Lines.

Upon final approval from Commissioners Court and prior to construction start these documents shall be recorded in the Commissioners' Court Minutes. *(amended 11-14-01-Comm.Ct. Vol. 72, Pg. 352)*

# CONSTRUCTION SPECIFICATIONS

## OVERHEAD POWER AND COMMUNICATION LINES TOM GREEN COUNTY

1. The minimum vertical clearance above the county roadway shall not be less than twenty-two(22) feet for power lines or eighteen (18) feet for communication lines.
2. Longitudinal lines shall be located between one(1) and three(3) feet from the ROW line and shall be limited to single pole construction.
3. Transverse lines should cross the highway at right angles to the highway to the extent reasonable and feasible and should desirably be limited to single pole construction; however, where existing or proposed utility is supported by "H" frames, towers, etc., the same type structures may be utilized for the crossing provided all other requirements are met. No poles will be permitted in the center median of any county road. Poles should normally be located between one(1) and three(3) feet from the ROW line.
4. Steel poles with bases greater than thirty-six(36) inches shall not be placed within the ROW except in extreme hardship situations and sufficient space remains for other utilities.
5. At curbed sections, poles shall be located as far as practical behind the outer curbs and preferably adjacent to the ROW line.
6. Guy wires placed in the ROW shall be held to a minimum and normally be in line with the pole line; however, other relocations may be permitted, but in no case shall the guy wires be located closer than thirty(30) feet from the shoulder edge of frontage roads and ramps.
7. As a rule, power, communications and cable television lines crossing at bridges and grade separations should be avoided; however, if rerouting the line is not economically feasible, a minimum horizontal distance of one-hundred fifty(150) feet and a minimum vertical clearance of thirty(30)feet should be met. Approval from the Commissioners Court must be obtained before these types of crossings are permitted.
8. Traffic control and protective devices shall be used and must conform to the "Texas Manual on Uniform Traffic Control Devices for Streets and Highways".
9. Upon completion of all activities, the ROW shall be cleaned and restored to original, or better condition.
10. The owner shall guarantee all work for one(1) year against defects and failures due to workmanship and materials. All warranty repairs shall be made within ninety(90) days.
11. Utility contractors shall conform to generally accepted pruning standards so as to preserve not only the plants health and vigor, but also the plants appearance and form. To clarify your pruning requirements, consider utilizing the guidelines currently contained within the "*Roadside Vegetation Management Manual*".

12. All filing applications, location maps and other necessary documents shall be presented to Commissioners' Court by the Commissioner of the precinct where the work is being done. In the case of crossing of precinct lines Commissioners affected shall concur on work being done.
13. Upon approval from Commissioners' Court, presented documents shall be recorded in the Commissioners' Court Minutes. (**amended 11-14-01-Comm.Ct. Vol. 72, Pg. 352**)
14. No Explosives shall be used within the limits of the roadway ROW without written permission of the appropriate County Commissioner. Requests shall be by separate letter.
15. Prior to any underground penetration or excavation, contractor shall have all utilities located by central locator service (Digtess; Texas one call; Lonestar Exchange; or Current locator service) (**amended 03-30-10 – Commissioner's Court**)

# CONSTRUCTION SPECIFICATIONS

## UNDERGROUND POWER LINES TOM GREEN COUNTY

1. Total clear depth of line shall be determined by voltage. 22,000 volts or less – 30". 22,000 to 40,000 volts – 36". 40,000 volts or greater – 42". Extra depth is required at drainage points.
2. Utility lines crossing the roadway should be located at approximate right angles to the roadway to the extent reasonable and feasible.
3. Line shall be encased from top of backslope to top of backslope plus five feet on each side for cut sections and from toe of slope to toe of slope plus five feet on each side for fill sections( it is recommended that the line be encased from ROW to ROW to add additional protection to the installation). Steel is normally considered to be satisfactory encasement material; however, materials deemed to be of equal or greater strength could be substituted. The casing should have the durability to withstand all conditions to which it may be subjected.
4. Bore pits shall be located at the specified end of the encasement and shall be constructed in such a manner as to not interfere with roadway structural footings, safe roadside clearance and traffic operations. If necessary, shoring shall be used. When possible, excavated dirt should be placed on the oncoming traffic side of the bore pit. Under normal conditions, bore pits should be located approximately 30 feet from edge of roadway (on low volume roads, allow at least 15 feet from edge of roadway).
5. Longitudinal installations shall be located on uniform alignment as near as practicable to the ROW line.
6. Where the longitudinal trenching is permitted on the ROW, backfill shall be compacted to densities of the surrounding soil.
7. All paved roads must be bored for any underground utility installation crossing unless special variance has been granted. (Reference item 14).
8. Unpaved roads may be open trenched. All trench backfill shall be of the same consistency and density of the surrounding soil.
9. Traffic control and protective devices shall be used and must conform to the "*TEXAS MANUAL on UNIFORM CONTROL DEVICES for STREETS and HIGHWAYS*".
10. An identification marker shall be located immediately above each ROW line where it is crossed by an underground installation. Where fiber optic lines are installed without a metal sheath or metal casing, a durable metal wire shall be concurrently installed or other means shall be provided for detection purposes. Markers shall be situated so as to not interfere with highway maintenance or be concealed by vegetation.
11. Above ground pedestals or other utility appurtenances shall be located at or near the ROW line.

12. Manholes shall be limited to those necessary for installation and maintenance of underground lines. The maximum diameter of any manhole chimney at the ground level shall not exceed 36 inches. In no case shall they be placed or permitted to remain in the pavement or shoulders of high volume roadways. Outside width should not exceed seven feet, with the length held to a reasonable minimum.
13. Large equipment housings may not normally be placed on roadway ROW without special consideration.
14. If, in the opinion of the Road and Bridge Supervisor, it is not feasible to bore under the roadway, a special variance request by the submitting party shall be made to the appropriate County Commissioner. The County Commissioner and Road and Bridge Supervisor shall then determine this variance request and specific guidelines as to how to make the installation and restoration.
15. No explosives shall be used within the limits of the roadway ROW without written permission of the appropriate County Commissioner. Requests shall be by separate letter.
16. Where the cost of the installation is the responsibility of the utility firm, the County shall require reimbursement for its cost of measures that the county may take in the interest of traffic safety, or restoration and repairs to the roadway which are necessary by the utility installation.
17. Roadways adjacent to the utility construction sites shall be kept free from debris, roadway construction material, and mud. At the end of every construction day, construction equipment and materials shall be removed as far from the roadway edges as feasible. When utility installation is complete, the ROW shall be reshaped to its original condition or better and the area reseeded or resodded to reduce erosion. Should settlement or erosion occur within six months after utility installation, the utility shall reshape, reseed, or resod the areas.
18. The owner shall guarantee all work for one year against defects and failures due to workmanship and materials. All warranty and repairs shall be made within ninety(90) days.
19. All filing applications, location maps and other necessary documents shall be presented to Commissioners Court by the Commissioner of the precinct where the work is being done. In the case of crossing of precinct lines Commissioners affected shall concur on the work being done.
20. Upon approval from Commissioners Court, presented documents shall be recorded in the Commissioners' Court Minutes. **(amended 11-14-01-Comm.Ct. Vol. 72, Pg. 352)**
21. Prior to any underground penetration or excavation, contractor shall have all utilities located by central locator service (Digtess; Texas one call; Lonestar Exchange; or Current locator service) **(amended 03-30-10 – Commissioner's Court)**

# CONSTRUCTION SPECIFICATIONS

## UNDERGROUND COMMUNICATION LINES TOM GREEN COUNTY

1. Total clear depth of cover for cable TV and copper communications line shall be 24" minimum at all points inside the Right-of Way (ROW) line. The minimum depth of cover for a fiber optic facility shall be 42 inches. Extra depth is required at drainage points.
2. Utility lines crossing the roadway should be located at approximate right angles to the roadway to the extent reasonable and feasible.
3. Line shall be encased from top of backslope to top of backslope plus five feet on each side for cut sections and from toe of slope to toe of slope plus five feet on each side for fill sections (it is recommended that the line be encased from ROW to ROW to add additional protection to the installation). Steel is normally considered to be satisfactory encasement material; however, communication lines (only) are permitted to substitute PVC pipe. The casing should have the durability to withstand all conditions to which it may be subjected.
4. Bore pits shall be located at the specified end of the encasement and shall be constructed in such a manner as to not interfere with roadway structural footings, safe roadside clearance and traffic operations. If necessary, shoring shall be used. When possible, excavated dirt should be placed on the oncoming traffic side of the bore pit. Under normal conditions, bore pits should be located approximately 30 feet from edge of roadway (on low volume roads, allow at least 15 feet from edge of roadway).
5. Longitudinal installations shall be located on uniform alignment as near as practicable to the ROW line.
6. Where the longitudinal trenching is permitted on the ROW, backfill shall be compacted to densities of the surrounding soil.
7. All paved roads must be bored for any underground utility installation crossing unless special variance has been granted. (Reference item 14).
8. Unpaved roads may be opened trenched. All trench backfill shall be of the same consistency and density of the surrounding soil.
9. Traffic control and protective devices shall be used and must conform to the "TEXAS MANUAL on UNIFORM CONTROL DEVICES for STREETS and HIGHWAYS".
10. An identification marker shall be located immediately above each ROW line where it is crossed by an underground installation. Where fiber optic lines are installed without a metal sheath or metal casing, a durable metal wire shall be concurrently installed or other means shall be provided for detection purposes. Markers shall be situated so as to not interfere with highway maintenance or be concealed by vegetation.
11. Above ground pedestals or other utility appurtenances shall be located at or near the ROW line.

12. Manholes shall be limited to those necessary for installation and maintenance of underground lines. The maximum diameter of any manhole chimney at the ground level shall not exceed 36 inches. In no case shall they be placed or permitted to remain in the pavement or shoulders of high volume roadways. Outside width should not exceed seven feet, with the length held to a reasonable minimum.
13. If, in the opinion of the Road and Bridge Supervisor, it is not feasible to bore under the roadway, a special variance request by the submitting party shall be made to the appropriate County Commissioner. The County Commissioner and Road and Bridge Supervisor shall then determine this variance request and specific guidelines as to how to make the installation and restoration.
14. No explosives shall be used within the limits of the roadway ROW without written permission of the appropriate County Commissioner. Requests shall be by separate letter.
15. Where the cost of the installation is the responsibility of the utility firm, the County shall require reimbursement for its cost of measures that the county may take in the interest of traffic safety, or restoration and repairs to the roadway which are necessary by the utility installation.
16. Roadways adjacent to the utility construction sites shall be kept free from debris, roadway construction material, and mud. At the end of every construction day, construction equipment and materials shall be removed as far from the roadway edges as feasible. When utility installation is complete, the ROW shall be reshaped to its original condition or better and the area reseeded or resodded to reduce erosion. Should settlement or erosion occur within six months after utility installation, the utility shall reshape, reseed, or resod the areas.
17. The owner shall guarantee all work for one year against defects and failures due to workmanship and materials. All warranty and repairs shall be made within ninety(90) days.
18. All filing applications, location maps and other necessary documents shall be presented to Commissioners Court by the Commissioner of the precinct where the work is being done. In the case of crossing of precinct lines Commissioners affected shall concur on the work being done.
19. Upon approval from Commissioners' Court, presented documents shall be recorded in the Commissioners' Court Minutes. **(amended 11-14-01-Comm.Ct. Vol. 72, Pg. 352)**
20. Prior to any underground penetration or excavation, contractor shall have all utilities located by central locator service (Digtess; Texas one call; Lonestar Exchange; or Current locator service) **(amended 03-30-10 – Commissioner's Court)**

# CONSTRUCTION SPECIFICATIONS

## WATER LINES TOM GREEN COUNTY

1. Total clear depth of line shall be twenty-four(24") inches minimum at all points inside the Right-of Way(ROW) line. Extra depth is required at drainage points.
2. Utility lines crossing the roadway should be located at approximate right angles to the roadway to the extent reasonable and feasible.
3. Line shall be encased from top of backslope to top of backslope plus five feet on each side for cut sections and from toe of slope to toe of slope plus five feet on each side for fill sections( it is recommended that the line be encased from ROW to ROW to add additional protection to the installation). Steel is normally considered to be satisfactory encasement material; however, materials deemed to be of equal or greater strength could be substituted. The casing should have the durability to withstand all conditions to which it may be subjected.
4. Bore pits shall be located at the specified end of the encasement and shall be constructed in such a manner as to not interfere with roadway structural footings, safe roadside clearance and traffic operations. If necessary, shoring shall be used. When possible, excavated dirt should be placed on the oncoming traffic side of the bore pit. Under normal conditions, bore pits should be located approximately 30 feet from edge of roadway (on low volume roads, allow at least 15 feet from edge of roadway).
5. Longitudinal installations shall be located on uniform alignment as near as practicable to the ROW line.
6. Where the longitudinal trenching is permitted on the ROW, backfill shall be compacted to densities of the surrounding soil.
7. All paved roads must be bored for any underground utility installation crossing unless special variance has been granted. (Reference item 14).
8. Unpaved roads may be opened trenched. All trench backfill shall be of the same consistency and density of the surrounding soil.
9. Traffic control and protective devices shall be used and must conform to the "*TEXAS MANUAL on UNIFORM CONTROL DEVICES for STREETS and HIGHWAYS*".
10. An identification marker shall be located immediately above each ROW line where it is crossed by an underground installation. Where nonmetallic pipe is installed longitudinally, a durable metal wire shall be concurrently installed or other means shall be provided for detection purposes. Markers shall be situated so as to not interfere with highway maintenance or be concealed by vegetation.
11. Above ground pedestals or other utility appurtenances shall be located at or near the ROW line.

12. Plastic lines may be used provided they are installed with thirty inches of cover as a minimum. All crossings of plastic lines must be encased. Encasements under low volume roadways may be omitted on new lines having an inside diameter of 30 inches or more, provided all other requirements are met.
13. Manholes shall be limited to those necessary for installation and maintenance of underground lines. The maximum diameter of any manhole chimney at the ground level shall not exceed 36 inches. In no case shall they be placed or permitted to remain in the pavement or shoulders of high volume roadways. Outside width should not exceed seven feet, with the length held to a reasonable minimum.
14. If, in the opinion of the Road and Bridge Supervisor, it is not feasible to bore under the roadway, a special variance request by the submitting party shall be made to the appropriate County Commissioner. The County Commissioner and Road and Bridge Supervisor shall then determine this variance request and specific guidelines as to how to make the installation and restoration.
15. No explosives shall be used within the limits of the roadway ROW without written permission of the appropriate County Commissioner. Requests shall be by separate letter.
16. Where the cost of the installation is the responsibility of the utility firm, the County shall require reimbursement for its cost of measures that the county may take in the interest of traffic safety, or restoration and repairs to the roadway which are necessary by the utility installation.
17. Roadways adjacent to the utility construction sites shall be kept free from debris, roadway construction material, and mud. At the end of every construction day, construction equipment and materials shall be removed as far from the roadway edges as feasible. When utility installation is complete, the ROW shall be reshaped to its original condition or better and the area reseeded or resodded to reduce erosion. Should settlement or erosion occur within six months after utility installation, the utility shall reshape, reseed, or resod the areas.
18. The owner shall guarantee all work for one year against defects and failures due to workmanship and materials. All warranty and repairs shall be made within ninety(90) days.
19. All filing applications, location maps and other necessary documents shall be presented to Commissioners Court by the Commissioner of the precinct where the work is being done. In the case of crossing of precinct lines Commissioners affected shall concur on work being done.
20. Upon approval from Commissioners Court, presented documents shall be recorded in the Commissioners' Court Minutes. **(amended 11-14-01-Comm.Ct. Vol. 72, Pg 352)**
21. Prior to any underground penetration or excavation, contractor shall have all utilities located by central locator service (Digtess; Texas one call; Lonestar Exchange; or Current locator service) **(amended 03-30-10 – Commissioner's Court)**

# CONSTRUCTION SPECIFICATIONS

## LOW PRESSURE GAS LINES

### TOM GREEN COUNTY

1. Total clear depth of cover for an encased line shall be 24" minimum at all points inside the Right-of-Way (ROW) line. If line is encased, casings are required from ROW line to ROW line and vents with identification of ownership shall be placed immediately above the pipeline at each ROW line and situated so as not to interfere with roadway maintenance or be concealed by vegetation. Steel is normally considered to be satisfactory encasement material; however, materials deemed to be of equal or greater strength could be substituted. The casing should have the durability to withstand all conditions to which it may be subjected. Extra depth is required at drainage structures.
2. Gas lines may be installed without encasement provided they are welded steel construction and of sufficient strength to withstand the internal design pressure plus the dead and live loads of roadway and traffic. Additional protective measures include cathodic protection, coating and wrapping and crossing depth at sixty inches below pavement surface or forty-eight inches below the lowest ditch, whichever is lower. Markers with identification of ownership shall be placed immediately above the line at each ROW line and situated so as not to interfere with highway maintenance or be concealed by vegetation.
3. Utility lines crossing the roadway should be located at approximate right angles to the roadway to the extent reasonable and feasible.
4. Bore pits shall be located at the specified end of encasement and shall be constructed in such a manner as not to interfere with roadway structural footings, safe roadside clearance and traffic operations. If necessary, shoring shall be used. When possible, excavated dirt should be placed on the oncoming traffic side of the bore pit. Under normal conditions bore pits should be located approximately 30 feet from edge of roadway (on low volume roadways, allow at least 15 feet from edge of roadway).
5. Longitudinal installations shall be located on uniform alignment as near as practicable to the ROW line markers with ownership identification shall be located every 1500 feet along ROW line.
6. Where longitudinal trenching is permitted on the ROW, backfill shall be compacted to densities of the surrounding soil.
7. All paved roads must be bored for any underground utility installation crossing unless special variance has been granted. (Reference item 12).
8. Unpaved roads may be open trenched. All trench backfill shall be of the same consistency and density of the surrounding soil.
9. Traffic control and protective devices shall be used and must conform to the *Texas Manual on Uniform Traffic Control Devices for Street and Highways*.

10. Plastic lines may be used provided the internal pressure will not exceed 60 PSI, they are encased ROW to ROW line on crossings, and have at least 30 inches of cover. The maximum size of plastic lines for crossings shall not exceed 24". The maximum size of plastic lines placed longitudinally shall not exceed SIX INCHES. Where plastic pipe is installed longitudinally, a durable metal wire shall be concurrently installed or other means shall be provided for detection purposes.
11. Above ground pedestals or other utility appurtenances shall be located at or near the ROW.
12. If, in the opinion of the Road and Bridge Supervisor, it is not feasible to bore under the roadway, a special variance request by the submitting party shall be made to the appropriate County Commissioner. The County Commissioner and Road and Bridge Supervisor shall then determine this variance request and specific guidelines as to how to make the installation and restoration.
13. No explosives shall be used within the limits of the roadway ROW without written permission of the appropriate County Commissioner. Requests shall be by separate letter.
14. Where the cost of the installation is the responsibility of the utility firm, the County shall require reimbursement for its cost of measures that the county may take in the interest of traffic safety, or restoration and repairs to the roadway which are necessary by the utility installation.
15. Roadways adjacent to the utility construction sites shall be kept free from debris, roadway construction material, and mud. At the end of every construction day, construction equipment and materials shall be removed as far from the roadway edges as feasible. When utility installation is complete, the ROW shall be reshaped to its original condition or better and the area reseeded or resodded to reduce erosion. Should settlement or erosion occur within six months after utility installation, the utility shall reshape, reseed, or resod the areas.
16. The owner shall guarantee all work for one year against defects and failures due to workmanship and materials. All warranty and repairs shall be made within ninety(90) days.
17. All filing applications, location maps and other necessary documents shall be presented to Commissioners Court by the Commissioner of the precinct where the work is being done. In the case of crossing of precinct lines Commissioners affected shall concur on work being done.
18. Upon approval from Commissioners Court, presented documents shall be recorded in the Commissioners' Court Minutes. (**amended 11-14-01-Comm.Ct. Vol. 72, Pg. 352**)
19. Prior to any underground penetration or excavation, contractor shall have all utilities located by central locator service (Digtess; Texas one call; Lonestar Exchange; or Current locator service) (**amended 03-30-10 – Commissioner's Court**)

# CONSTRUCTION SPECIFICATIONS

## HIGH PRESSURE GAS LINES

### TOM GREEN COUNTY

1. Total clear depth of cover for an encased line shall be 30" minimum at all points inside the Right-of-Way (ROW) line. If line is encased, casings are required from ROW line to ROW line and vents with identification of ownership shall be placed immediately above the pipeline at each ROW line and situated so as not to interfere with roadway maintenance or be concealed by vegetation. Steel is normally considered to be satisfactory encasement material; however, materials deemed to be of equal or greater strength could be substituted. The casing should have the durability to withstand all conditions to which it may be subjected. Extra depth is required at drainage structures.
2. Gas lines may be installed without encasement provided they are welded steel construction and of sufficient strength to withstand the internal design pressure plus the dead and live loads of roadway and traffic. Additional protective measures include cathodic protection, coating and wrapping and crossing depth at sixty inches below pavement surface or forty-eight inches below the lowest ditch, whichever is lower. Markers with identification of ownership shall be placed immediately above the line at each ROW line and situated so as not to interfere with highway maintenance or be concealed by vegetation.
3. Utility lines crossing the roadway should be located at approximate right angles to the roadway to the extent reasonable and feasible.
4. Bore pits shall be located at the specified end of encasement and shall be constructed in such a manner as not to interfere with roadway structural footings, safe roadside clearance and traffic operations. If necessary, shoring shall be used. When possible, excavated dirt should be placed on the oncoming traffic side of the bore pit. Under normal conditions bore pits should be located approximately 30 feet from edge of roadway (on low volume roadways, allow at least 15 feet from edge of roadway).
5. Longitudinal installations shall be located on uniform alignment as near as practicable to the ROW line markers, and ownership identification shall be located every 1500 feet along ROW line.
6. Where longitudinal trenching is permitted on the ROW, backfill shall be compacted to densities of the surrounding soil.
7. All paved roads must be bored for any underground utility installation crossing unless special variance has been granted. (Reference item 11).
8. Unpaved roads may be open trenched. All trench backfill shall be of the same consistency and density of the surrounding soil.
9. Traffic control and protective devices shall be used and must conform to the Texas Manual on Uniform Traffic Control Devices for Street and Highways.
10. Above ground pedestals or other utility appurtenances shall be located at or near the ROW.

11. If, in the opinion of the Road and Bridge Supervisor, it is not feasible to bore under the roadway, a special variance request by the submitting party shall be made to the appropriate County Commissioner. The County Commissioner and Road and Bridge Supervisor shall then determine this variance request and specific guidelines as to how to make the installation and restoration.
12. No explosives shall be used within the limits of the roadway ROW without written permission of the appropriate County Commissioner. Requests shall be by separate letter.
13. Where the cost of the installation is the responsibility of the utility firm, the County shall require reimbursement for its cost of measures that the county may take in the interest of traffic safety, or restoration and repairs to the roadway which are necessary by the utility installation.
14. Roadways adjacent to the utility construction sites shall be kept free from debris, roadway construction material, and mud. At the end of every construction day, construction equipment and materials shall be removed as far from the roadway edges as feasible. When utility installation is complete, the ROW shall be reshaped to its original condition or better and the area reseeded or resodded to reduce erosion. Should settlement or erosion occur within six months after utility installation, the utility shall reshape, reseed, or resod the areas.
15. The owner shall guarantee all work for one year against defects and failures due to workmanship and materials. All warranty and repairs shall be made timely.
16. All filing applications, location maps and other necessary documents shall be presented to Commissioners Court by the Commissioner of the precinct where the work is being done. In the case of crossing of precinct lines Commissioners affected shall concur on work being done.
17. Upon approval from Commissioners Court, presented documents shall be recorded in the Commissioners' Court Minutes. **(amended 11-14-01-Comm.Ct. Vol. 72, Pg. 352)**
18. Prior to any underground penetration or excavation, contractor shall have all utilities located by central locator service (Digtess; Texas one call; Lonestar Exchange; or Current locator service) **(amended 03-30-10 – Commissioner's Court)**