

General Notes

1. The Contractor shall notify the Town of Collierville Engineering Office, 457-2340, before commencing construction.
2. The Contractor shall be responsible for notifying any utility company which maintains a utility line within the boundaries of the project before the initiation of any construction on the project or in the streets bordering the project. The Contractor shall also assume responsibility for any damage incurred by any utility company to their utility lines whether shown on the construction plans or not, during work on the project.
3. All newly cut and/or filled areas lacking adequate vegetation shall be seeded, fertilized, mulched and/or sodded as required to effectively prevent soil erosion per Town of Collierville and State regulations.
4. All construction within Public Easements and right-of-ways shall meet the Town of Collierville Standard Specifications. Construction within private developments (private streets, drives, alleys and associated infrastructure) shall be reviewed on a case-by-case basis.
5. The Contractor must have written approval from the Town Engineer and the Project Engineer before any change in design is made.
6. For information concerning the utilities of Memphis Light, Gas & Water, AT&T, Comcast and the Texas Gas Transmission Corporation, call 1-800-351-1111.
7. Seventy-two (72) hours before beginning any excavation, the Contractor shall call 1-800-351-1111 for the location of underground utilities.
8. The Contractor shall not enter upon nor cause damage to any adjacent properties without written permission from said property owners.
9. All fill lifts shall be compacted to a minimum density of 95% of the standard proctor density (ASTM D-698) with suitable fill material acceptable to testing laboratory. Maximum loose lift to be 6". Submit reports to Town Engineer for review and acceptance.
10. All concrete shall be 4,000 PSI, Class A limestone aggregate, air entrained, unless approved otherwise by the Town Engineer. RCBC & CCL mix will be determined by the Design Engineer.
11. Any existing utilities requiring relocation or removal shall be the developer's responsibility.

Sewer Specifications Notes

1. The Contractor shall be responsible for notifying any utility company which maintains a utility line within the boundaries of the project prior to the initiation of any construction on the project or in the streets bordering the project. The contractor shall also assume the responsibility for any damage incurred by any utility company, to their lines, whether shown on the construction plans or not, during work on the project.
2. All newly cut or fill areas lacking adequate vegetation shall be fertilized, mulched, seeded and/or sodded to effectively control soil erosion.
3. A six (6) inch service connection to each lot/building is shown. The contractor shall keep a record of the location of each connection. 1). For residential, at the property line chisel an "S" on the curb at the tap location and 2). For non-residential, measure from the nearest manhole or other acceptable mark. Each sewer manhole and connection will be located on the as-built drawings.
4. All public sanitary sewer shall be SDR-26; all other to be constructed in accordance with local building code.
5. For information concerning the utilities of Memphis Light, Gas and Water, AT&T, Comcast and the Texas Gas Transmission Corporation, call 1-800-351-1111.
6. Before construction begins, call the Collierville Engineering Office at 901.457.2340.
7. Seventy-two (72) hours before starting any excavation, the contractor shall call 1-800-351-1111.
8. All trenches are to be back-filled according to Section 02221 of the Town of Collierville Standard Construction Specifications.
9. All sewer lines are to have a mandrel pulled and air tested. All sewer manholes are to be vacuum tested.
10. All sewer manhole lids in open fields shall be constructed 3.0 feet above final grade unless they are in a floodplain/floodway or detention area, then the final grade will be determined on construction drawings. Those constructed in backyards and landscape/Common Open Space areas, shall be constructed 0.5 feet above final grade. When the clearance between sanitary sewers and drainage is less than 1.5 feet, the sanitary sewer shall be ductile iron pipe or concrete encased for 10 feet each side of the drainage crossing, this includes sanitary sewer services.

Water Specifications Notes

1. A 1" minimum copper service connection shall be provided for each lot.
2. Meter boxes shall be concrete from Goddard Concrete Services or plastic from DRW Plastics, Inc. model DFW36C-12-1-CA per section 02713 of the Town of Collierville Standard Construction Specifications. Meter boxes may be purchased from any vendor. Contractors are responsible for installation of boxes.
3. Meter supply lines shall be 1" minimum with increases in supply line size in 1" increments only.
4. Service lines 1"K-Copper
5. Service lines 2"Schedule 80 PVC
6. Service lines greater than 2"DIP
7. All meters larger than 1" shall use flanged connections.
8. All materials and installation shall conform to the Standard Specifications of the Town of Collierville and the State of Tennessee.
9. Ductile iron pipe shall be Class 50 for 200 psi working pressure unless otherwise specified.
10. Blocking of fire hydrants tees and bends required as per Collierville specifications.
11. Contractors shall chisel and paint "W" on the face of the curb at each house connection.
12. Water lines, valves, fittings and hydrant shall be installed, disinfected, pressure tested and leakage tested in accordance with all state and local requirements.
13. All trenches to be back-filled according to Section 02221 of the Town of Collierville Standard Construction Specifications.
14. Fire hydrants to be M & H, Mueller Centurion or Clow according to Section 02713 of the Town of Collierville Standard Construction Specifications.
15. Valve boxes shall be as manufactured by Tyler Pipe 6850 Series.

16. Public fire hydrants to be silver in color. Private fire hydrants to be red in color.
17. All ties to existing water lines must be made starting with a valve if no valve exists.
18. Any existing fire hydrants that do not meet current standards are to be up-graded by the Developer.
19. The location of the Fire Department connection, P.I.V. and fire line sizes shall be recorded on the As-built Drawing after completion of the project.

Erosion Control Notes

1. Erosion controls are not limited to the specified practices; however, alternative measures must be as effective in controlling erosion and sedimentation.
2. If the erosion control measures selected and constructed fail to adequately control erosion and off-site sediment transport, alternative methods must be used and approved by the Division of Engineering and TDEC. Inadequately controlled erosion is a violation of Collierville Ordinances and Tennessee State Law and will not be permitted.
3. Any erosion control measures shown here on are intended as a minimum guide. The contractor shall be responsible for maintaining erosion controls necessary to comply with all applicable Town, State and Federal Laws.
4. Clearing and grubbing shall be the minimum necessary for grading and equipment operation.
5. Sequence construction shall be used in order to minimize exposure time of cleared area.
6. Avoid grading activities during months of highly erosive rainfall.
7. Stabilize cleared area before proceeding to clear another by temporarily or permanently protecting the disturbed soil surface from rainfall impacts and runoff.
8. Erosion and sediment control measures must be in place and functional prior to beginning earth moving operations.
9. All erosion control measures must be properly constructed and maintained throughout the construction period.
10. Erosion control measures must be appropriately adjusted, relocated and modified in accordance with applicable requirements and regulations to address changing site conditions as the project progresses.
11. Inspect all erosion and sediment control measures twice weekly, a minimum of 72 hours apart and after each rainfall per TDEC Construction General Permit requirements. Daily checking is required during prolonged rainfall. Maintain a rain gauge on site with a permanent rainfall log. Maintain a permanent log of checks and maintenance measures.
12. Keep construction debris from entering swales, ditches and stream channels.
13. Promptly backfill and stabilize trenches and/or pits.
14. Designate a specific qualified individual to be responsible for erosion and sediment controls and to keep the permanent job log. The person responsible for maintaining the erosion control measures and log shall have the appropriate certification as required by TDEC. A copy of this certification shall be maintained at the job site.
15. Do not place excavation material from the pipe trenches between the trench and swales, ditches or streams. Place material on the up slope side of the excavation such that any erosion from it is caught by the trench.
16. Buffer zones shall be provided to meet the minimum requirements of the TDEC Construction General Permit.
17. Do not destroy, remove or disturb vegetative ground cover more than 14 calendar days prior to grading.
18. Do not unnecessarily remove canopy; however, when necessary, trees and shrubs should be cut so that they fall away from the ditch.
19. Any area that will remain unfinished for more than 14 calendar days shall have appropriate annual vegetation for temporary soil stabilization.
20. Apply permanent soil stabilization with perennial vegetation as soon as possible, but no more than 14 calendar days after final grading.
21. In accordance with the Town of Collierville MS4 Permit, all State/NPDES Permits are required to be obtained and implemented before start-up of any construction activities, including, but not limited to, land and/or aquatic disturbance.
22. Erosion control measures shall be maintained at all times. If full implementation of the approved plan does not provide for effective erosion control, then additional erosion and sediment control measures shall be implemented to control and/or treat the sediment source before land and/or aquatic disturbance may continue.
23. Install staked and entrenched mulch socks and/or silt fence along the base of all backfills and cuts on the downhill side of any stockpiled soil and along any ditch banks in cleared areas to prevent erosion into ditches. Place silt fence along contours, not across. Do not allow silt fence to cause concentrated flow.
24. Divert all surface water flowing toward the construction area around the construction area by the use of dikes, berms, channels or sediment traps as necessary.
25. If required, place cofferdams constructed with sandbags, plastic or non-erodible sheeting on either side of proposed line crossings and extend from bank to bank to prevent the flow of water into the construction area. Hold water from cofferdams or excavations in properly designated settling basins, dewatering pits or filter basins until it is at least as clear as upstream water before discharging into surface water. Ensure that discharge does not cause erosion and sedimentation.
26. All erosion control measures shall meet the minimum requirements of all federal, state and local agencies.
27. Do not use ditches for the transport of equipment. Use a stabilized pad of clean and properly sized rock for access to road construction. Utilize erosion and sediment control measures as indicated on the plans and in the current edition of the Tennessee Erosion and Sediment Control Handbook where ditch banks are disturbed.
28. Protect inlets during construction. Keep sediment out of the storm drainage system. Modify protection as construction progresses. Inspect and modify inlet protections as necessary to insure satisfactory trapping of sediment.