

GENERAL NOTES

1. The Contractor shall verify the location of all existing utilities near the Area of Disturbance and report any discrepancies to the Owner's Representative prior to beginning work. Contractor understands that the information presented on the existing conditions sheet for said utilities is developed to the best of the Surveyors, Owners and Engineer ability and shall be field verified.
2. The Contractor shall conform to all local, state, federal and any other pertinent codes or regulations.
3. Contractor shall obtain all permits prior to beginning work.
4. Grades presented on these plans are final grades.
5. Contractor shall check all dimensions and grades prior to beginning work and report any discrepancies to the Owner's Representative.
6. Dimensions are to the face of curb, edge of concrete and outside of building (face) unless otherwise indicated.
7. All traffic markings shall conform to the **Manual of Uniform Traffic Control Device (MUTCD)**.
8. All pavement markings shall be thermoplastic, unless otherwise approved by the Owner.
9. All handicapped sidewalks, ramps, etc. and accessible routes shall comply with the current ADA requirements.
10. All walls greater than 30" in height shall have a fence or appropriate landscaping to prevent falling/tripping.

CONSTRUCTION NOTES

1. The necessary permits required for completion of the work as shown on these construction documents shall be obtained by the Contractor prior to beginning field work. The Contractor shall give all necessary notices and obtain all permits, pay all fees and perform all other services necessary to secure said permits.
2. The Contractor shall comply with all local, state, federal and any other pertinent building codes, ordinances, environmental regulations, etc. necessary to the construct the project.
3. The Contractor shall be responsible for and bear all costs associated with field the field staking necessary for site layout. The Engineer will provide the Contractor with a DWG (2014 Verison) of the Site Plan and DTM to assist the Contractor in staking and grading operations. Any discrepancies between the DWG/DTM and the Contract Documents will be brought to the attention of the Owner's Representative.
4. The location of existing piping, underground utilities, overhead electric and telephone lines, etc are approximate and determined from the best available information. The Owner, Surveyor, Engineer and Owner's Representative do not verify that the information is correct or that during the course of construction activities shown utility locations may vary or other utilities may be discovered. Any discrepancies shall be brought to the Owner's attention. Where the exact location of utilities is necessary, the Contractor shall (at his own expense) furnish all materials, labor and other appurtenances necessary to obtain all said information.
5. The Contractor understands that all work necessary to complete activities associated with construction shall be performed at his risk until accepted by the Owner.
6. Safety operations at the site are the responsibility of the Contractor. The Contractor shall furnish and install all necessary temporary safety items necessary for protection of the work and workers. Said items shall include, but not limited to barricades, warning lights and signs, etc.
7. The project shall be subject to inspection and final approval of the local, state and federal inspectors, planning, codes, water and sewer, engineering, public works, fire marshal (local and state), etc.
8. If during the course of the work a question arises regarding the intent of the plans or specifications, the Contractor will bring the matter to the attention of the Owner's Representative for resolution before the affected work items are initiated or installed.
9. The Contractor will exercise extreme caution in the use of equipment in and around overhead/underground utilities. If at any time the contractor must work in close proximity to overhead/underground power lines, the proper utility company will be notified and the proper safety measures installed. The Contractor should make a proper inspection of the overhead/underground power lines prior to beginning construction activities.
10. The Contractor shall be responsible for any damage done to subject property or adjacent properties (private and public), or injuries to the public during the work, caused by construction activities of himself, employees, subcontractors no matter the cause.
11. The Contractor shall obtain and keep current all necessary insurance. Owner will be named on said policies.

EROSION/SEDIMENT CONTROL NOTES

1. All erosion and sediment control measures shall be designed to retain sediment on-site.
2. All control measures must be properly selected, installed and maintained in accordance with the manufactures's specifications and good engineering practices. If periodic inspections indicates inappropriate or incorrectly installed devices, the contractor shall replace or modify the control devices for on-site situations.
3. Stockpiled topsoil shall be surrounded by earth berms and or silt fence.
4. If sediment escapes the construction site, offsite accumulations shall be removed at a frequency sufficient to minimize offsite impacts and pose a safety hazard to the public.
5. Sediment shall be removed from silt fences and other sediment control devices as necessary and must be removed when design capacity has been reduced by 33%.
6. Litter and construction debris shall be picked-up prior to anticipated storm events (as forecasted by local weather reports). After use, silt fences shall be removed or otherwise prevented from becoming a pollutant source for storm water discharges.
7. Pre-construction vegetative cover shall not be destroyed, removed or disturbed more than 14 calendar days prior to grading or earth moving unless the area is seeded and/or mulched or other temporary cover is installed.
8. Clearing and grubbing must be held to the minimum necessary for grading and equipment operations.
9. Construction must be sequenced to minimize the exposure time of grade or denuded areas.
10. Erosion and sediment control measurers must be in place and functional before earth moving operations begin and must be constructed and maintained throughout the construction period. Temporary measures may be removed at the beginning of the work day but must be replaced at the end of the work day.
11. All land on or offsite which is disturbed by the Contractor and which is not built upon or surfaced shall be seeded abd mulched per TCP-05 of the Stormwater Management Manual - Best Management Practice - Volume 4.
12. All inlets shall have inlet protection as per detail TCP-24 of the Stormwater Management Manual Vol. 4. As a minimum install filter fabric protection around inlets.
13. Slopes 3:1 and steeper shall be stabilized by sodding.
14. All cut/fill area to have a minimum depth of 6-inches of topsoil. Areas dressed with topsoil will receive twelve (12) pounds per 1,000 square feet of 6-12-12 fertilizer, a minimum of five (5) pounds of Kentucky 31 fescue seed and straw mulch covering approximately 70%-80% of the area.
15. Disturbed areas shall be graded to drain to the sediment control devices shown on the drawings.
16. A stone access ramp shall be constructed on all construction entrances with a minimum width of 20 ft and a minimum lenght of 100 ft. ramp is to be based on 6 inches of ASTM D448 size 3 inch diameter stone and maintained throughout construction.
17. Erosion control is to be maintained during construction of and until site is stabilized. erosion control is to be inspected and approved prior to beginning work.
18. BMP devises are to be inspected in accordance with the state and local regulatory agencies.
19. Once construction is complete and stabilization of disturbed areas achieved all erosion control devices shall be removed and the area where they were shall be stabilized as required to match the surrounding topo.
20. All erosion prevention and sediment control best management practices identified in the SWPPP and on these plans will be installed in accordance with the Tennessee Erosion and Sediment Control handbook and maintained in accordance with their recommendations.
21. The disturbed area shall be seeded and stabilized (or left undisturbed) until these Contract Documents have been constructed for this development.
22. All tree-protection fencing shall be in place prior to the issuance of a grading or land disturbance permit and shall be maintained in good working order until all construction activity is completed. No disturbance is permitted in a tree preservation area. Any required erosion control measures shall be placed outside of any tree protection fencing.
23. This site plan has been designed to meet the City of Ashland City standards and the approval of the Planning Commission.
24. Changes shall not be made to the approved site plan unless approved by either the relevant department superintendent or the planning commission.
25. Turf Reinforcing Matting (TRM) shall be Land Lock 450, North American Green C350 or Pyramat-HPTRM.

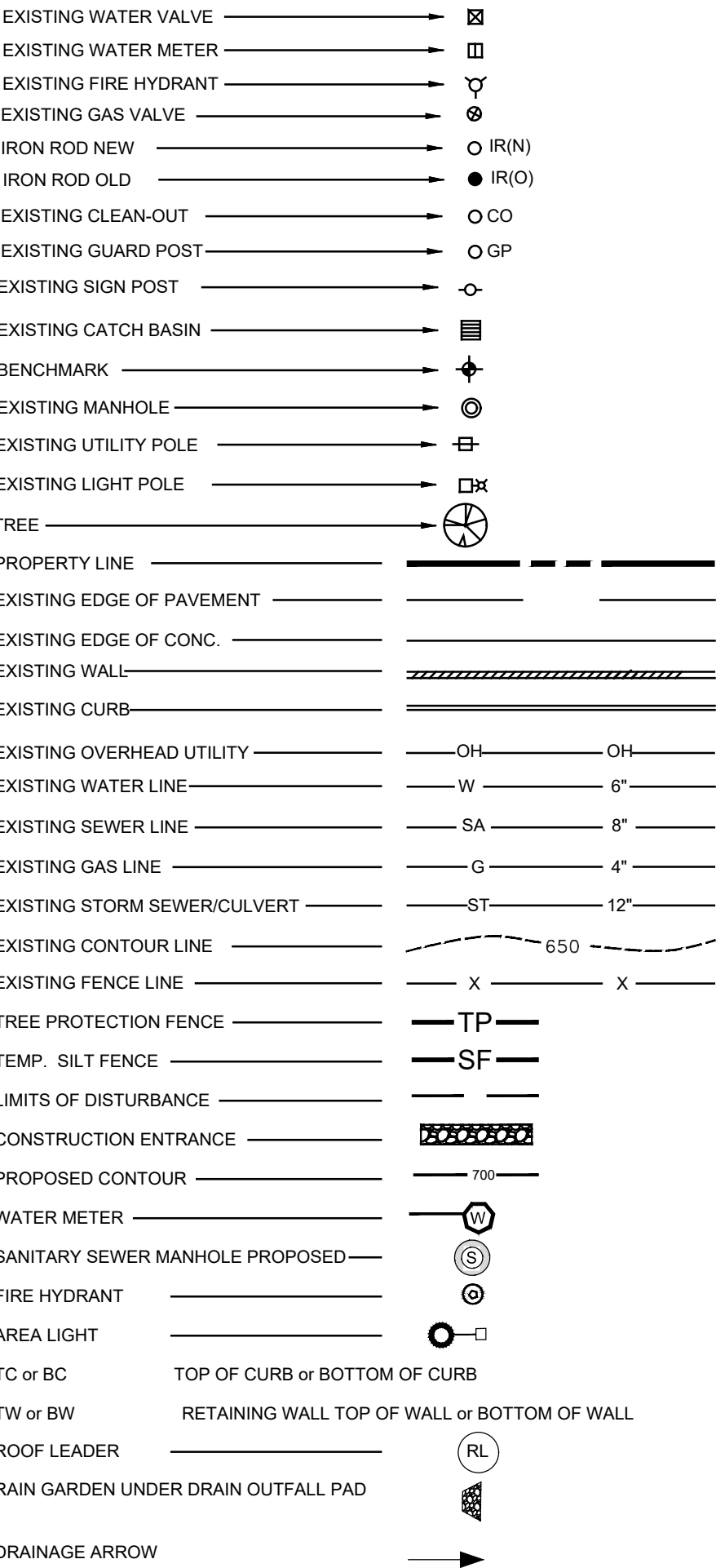
SITE UTILITY NOTES

1. All materials and workmanship for utility lines and appurtenances shall be in strict accordance with the governing utility company/district, local, state and federal codes. Prior to construction the Contractor shall notify the Utility Company (See contact information on Title Sheet 0.0).
2. The Contractor shall coordinate site electrical, gas, telephone, cable and all other utilities with the respective utility companies for service layout and design information. Any proposed layout of these utilities depicted on the Contract Documents is graphical only and is not intended to represent design of these utilities.
3. Prior to start of construction, the Contractor shall obtain all permits, pay all fees and hold all pre-construction meetings as required by the appropriate utility.
4. All trenching, piping laying, backfilling and excavation shall be performed in accordance with with local, state and federal (OSHA) regulations.
5. Site Contractor shall be responsible for coordinating the sequencing of construction activities with other contractor to avoid conflicts.
6. Fire line installation, thrust block locations and sizing shall be per N.F.P.A. and local fire department requirements.
7. Water meter manufacture/model number and vault specifications shall meet local utility company requirements.
8. Sanitary Sewer service lines shall be 6" SDR 35 PVC unless specified otherwise.
9. Maintain a 10' horizontal and 18" vertical separation between sanitary sewer and domestic water lines.
10. Installation of pipe material shall be placed with an appropriate granular envelope and when under pavement the entire trench shall be backfilled with a structural granular backfill. Size of granular backfill material, envelopes and trench widths shall be in accordance with the local municipalities for public lines. Private lines to conform to local building codes and common practices for the utility being installed.

PROJECT SPECIFIC NOTES

1. Contractor to adjust existing utility castings as necessary.
2. Pavement dimensions are shown from edge of pavement to edge of pavement, or edge of curb to edge of curb or face of sidewalk to face of sidewalk, etc.
3. This project will be subject to the inspection and final approval of Ashland City, Tennessee.
4. Prior to beginning construction, the contractor will install all EPSC devices, have then inspected by Ashland City, Tennessee representative.
5. The contractor will hire a soil testing agency (acceptable to the Owner) to observe fill placement operations and roads. Daily reports and tests results will be provide to the Owner/Engineer of a weekly basis. The costs of the inspections, testing and reports shall be borne by the Contractor.

LEGEND



SANDHU CONSULTANTS

INTERNATIONAL
ENGINEERING AND SCIENCE

1709 ASHWOOD AVENUE NASHVILLE, TN 37212
TEL 615-292-0789 FAX 615-292-2373



GENERAL NOTES

JARRETT CONCRETE PRODUCTS
CONCRETE PIPE PLANT
HIGHWAY 12, ASHLAND CITY, TN

JOB NUMBER
821 20201212

SHEET NUMBER

0.1