

851 Aviation Parkway Smyrna, TN 37167

September 25, 2014

Mr. David Foster, Chief Utilities Division Tennessee Regulatory Authority 502 Deaderick Street, 4th Floor Nashville, TN 37243

RE: Docket # 14-00062 – Clovercroft Acres - Data Response

Dear Mr. Foster:

Tennessee Wastewater Systems, Inc. provides the following information per your request dated September 23, 2014.

1. If CCN is granted today, when will the system be "up and running"? Will it be installed in phases or completely installed for all 120 lots?

Response: The system would be expected to be up and running approximately 120-180 days after all prerequisite approvals are received from the corresponding governmental agencies. The system will be completely installed up front for all phases.

2. What assurances are in place that the wastewater system at Clovercroft Acres will be within the time frame of the answer to number 1 above?

Response: TWSI cannot make any guarantees as to the timeframe of the system completion; however, we would like to reference our 20 year track record as a utility as evidence of the extremely high likelihood that the system completion will occur in this window.

3. Provide a copy of the Professional Services Agreement between Adenus Solutions Group, LLC and the developer.

Response: Not currently available.

4. Is the phone number listed for emergency contact 220-7200 answered 24/7?

Response: The main line for the Adenus building is 615-220-7200 (toll free 888-4-ADENUS also forwards to 615-220-7200). That line is answered by an attendant during regular business hours (7:30AM - 4:30PM M-F). After hours, an automated answering service gives the caller options for either leaving a voicemail for customer service or reporting a maintenance emergency. Those calls are forwarded to our Maintenance Hotline (877-669-0786, which is posted on all customer statements as well as the tennesseewastewater.com



website). Callers who leave a message on the maintenance hotline after hours have their message pushed out to all key maintenance personnel via visual voicemail.

5. Will Adenus Operations be responsible for the maintenance of the STEP/STEG tank and pumps or grinder pumps. If so, provide written documentation.

Response: No. The nature of this question implies a fundamental misunderstanding by TRA staff of the collection system technologies outlined in our utility specifications. TWSI has never used grinder pumps for any of its systems. A recent reorganization of the Adenus companies caused certain maintenance personnel previously employed by Adenus Operations to now become full time employees of TWSI. For Clovercroft Acres all operation and maintenance duties will be performed by an employee of Tennessee Wastewater and not an affiliate company.

6. Provide the name of the construction company building the collection, treatment and dispersal system(s).

Response: The developer has not selected a construction contractor. That decision will be made once a sewer provider is granted the authority to provide service to the project.

7. Please provide a copy of the proposed Site Plan for the sewage treatment and/or disposal system used with the noted 36,000 gallon capacity and 120 lots that has been approved by the Williamson County Regional Planning Commission in preparation of submitting the Final Plat for Clovercroft Acres to Williamson County for the development.

Response: See Attachment "A".

8. Provide a copy of any and all contracts for this wastewater system by and between the Develop, the Construction Company(s) building the wastewater system and the Utility.

Response: Not currently available.

9. Has the builder of the wastewater system provided a performance bond to and supporting security to Williamson County for completion of the system? Is so, please provide an explanation of what ensures that the funds are available for the wastewater system and that it will be built to completion, inclusive of treatment, collection and dispersal systems.

Response: Not currently available.

Fax: 615.220.7207



10. Please provide a detailed breakdown of the \$675,000 Contribution in Aid of Construction by cost of land, treatment system, collection and dispersal system, materials and installation. The estimate shall be calculated utilizing recent actual construction costs for similar systems. Alternatively, provide the total cost of construction of the Wastewater Treatment and Disposal System as prepared for Williamson County to be submitted as part of the DDR and an estimate of the land value that the Utility will potentially be acquiring.

Response: A detailed breakdown is currently impossible because this project is still in the planning stages. Once plans have been approved by the regulatory authority, the project can then be broken down for pricing. Until then, pricing can only be speculative based on historical costs from previous TWSI serviced projects. The \$675,000 number is indicative of what a typical RSF and dripfield system of this size has cost and is subject to change. It also does not include the cost of installing the collection system.

11. Please provide the certified operator that will be the contact for Clovercroft Acres.

Response: Jesse Hutcherson is expected to be TWSI's certified operator for the project.

If you have any further questions, or need any additional information, please feel free to contact me.

Sincerely,

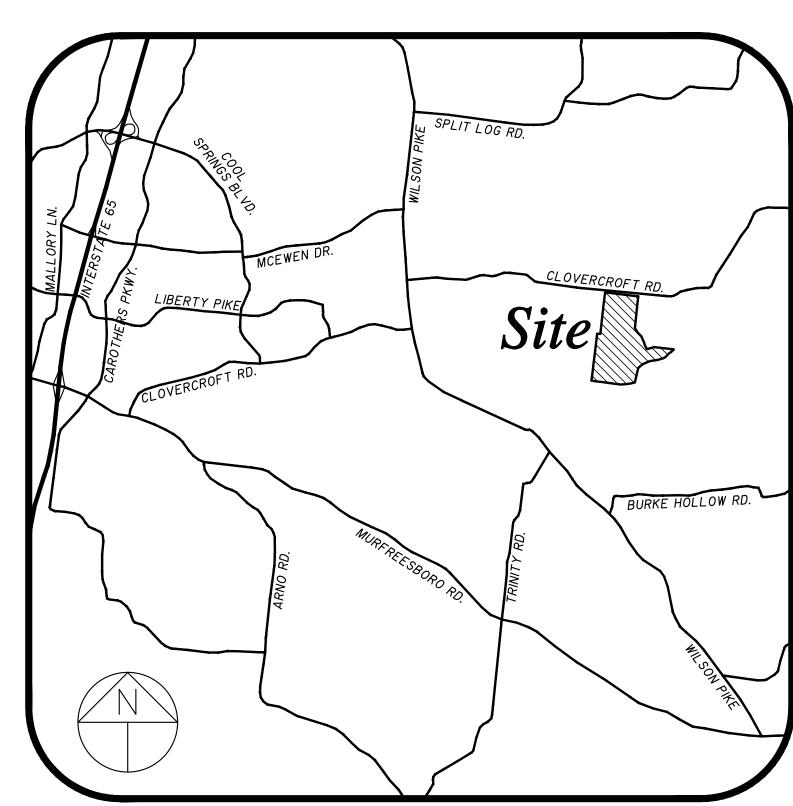
Matt Pickney, Operations Manager Tennessee Wastewater Systems, Inc.

Clovercroft Acres Subdivision S.T.E.P. System Design Wastewater Site Plan

Williamson County, Tennessee SOP#: 13026 Construction Drawings

Drawing Index

| Sheet No. | Title |
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| 4 | Grading & Drainage Plan |
| 5 | Sanitary Sewer Profile |
| 6 | Notes & Details |
| 7-11 | S.T.E.P. Details |



Site Location Map Not To Scale

Yard Requirements: Front: 35' Side: 5' Rear: 30' Deed Reference:

Map 81, Parcel 5.00, D.BK. 6090, PG. 637 19th. Civil District, Williamson County, Tennessee S.T.E.P. System Data:

A Portion of this site lies within a 100 Year Flood Hazard Area per F.E.M.A. Map No. 47187C0240F dated Sept. 29, 2006

Design Flow = 36,000 gpd Land Application Area Required: 4.13 Ac. Land Reserve Area Required: 2.07 Ac. Total Area Required = 6.20 Ac.±

Consultant:

Land Data:

Existing Zoning: RD-1 Proposed Zoning:

120 Lot on 193.77± Acres

850 Middle Tennessee Blvd. Murfreesboro, TN 37129 Phone: (615) 890-7901

Floodplain Note:

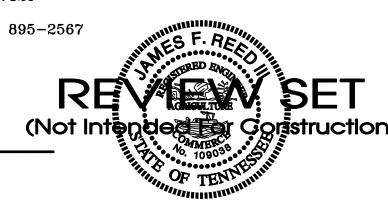
S.E.C., Inc.

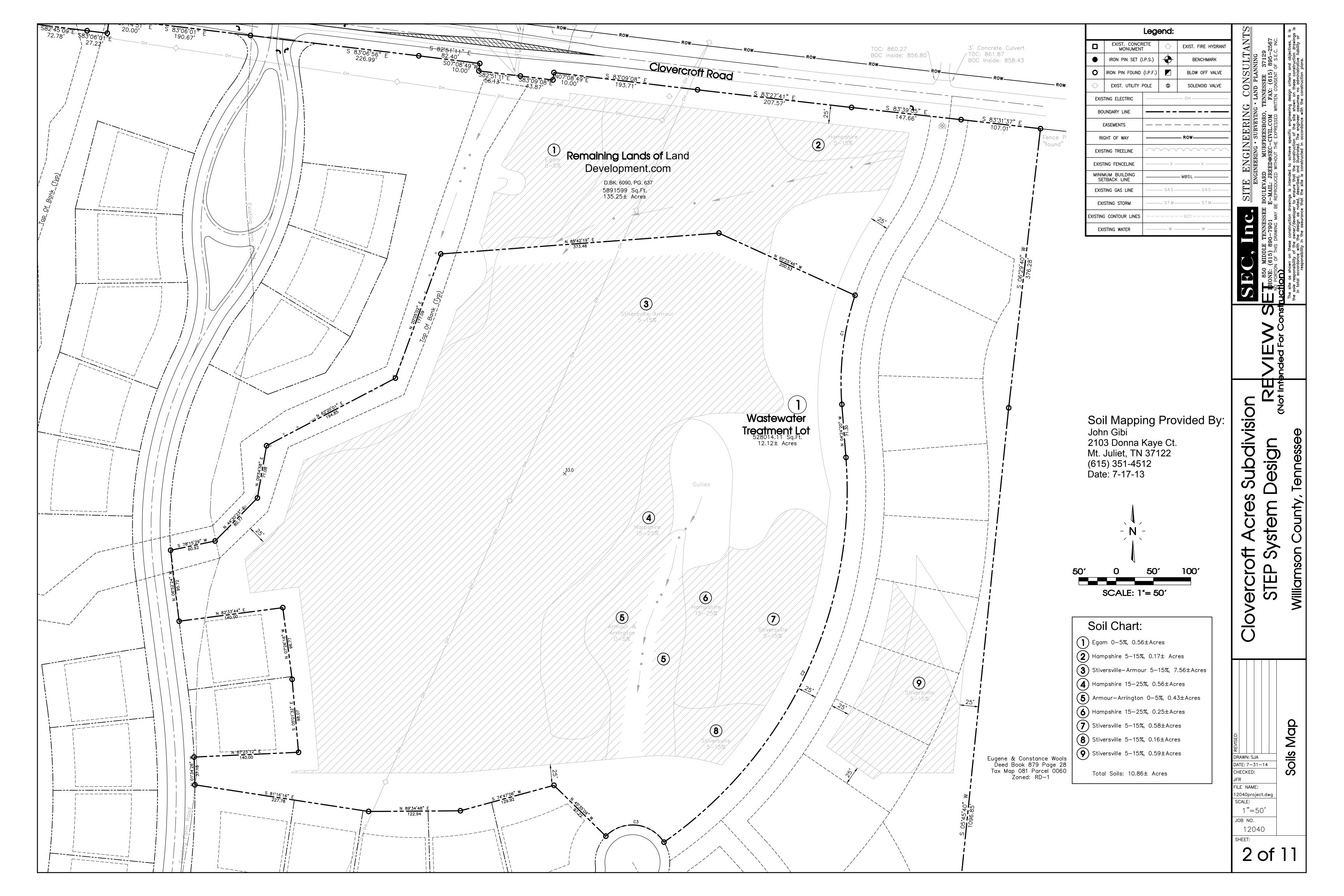


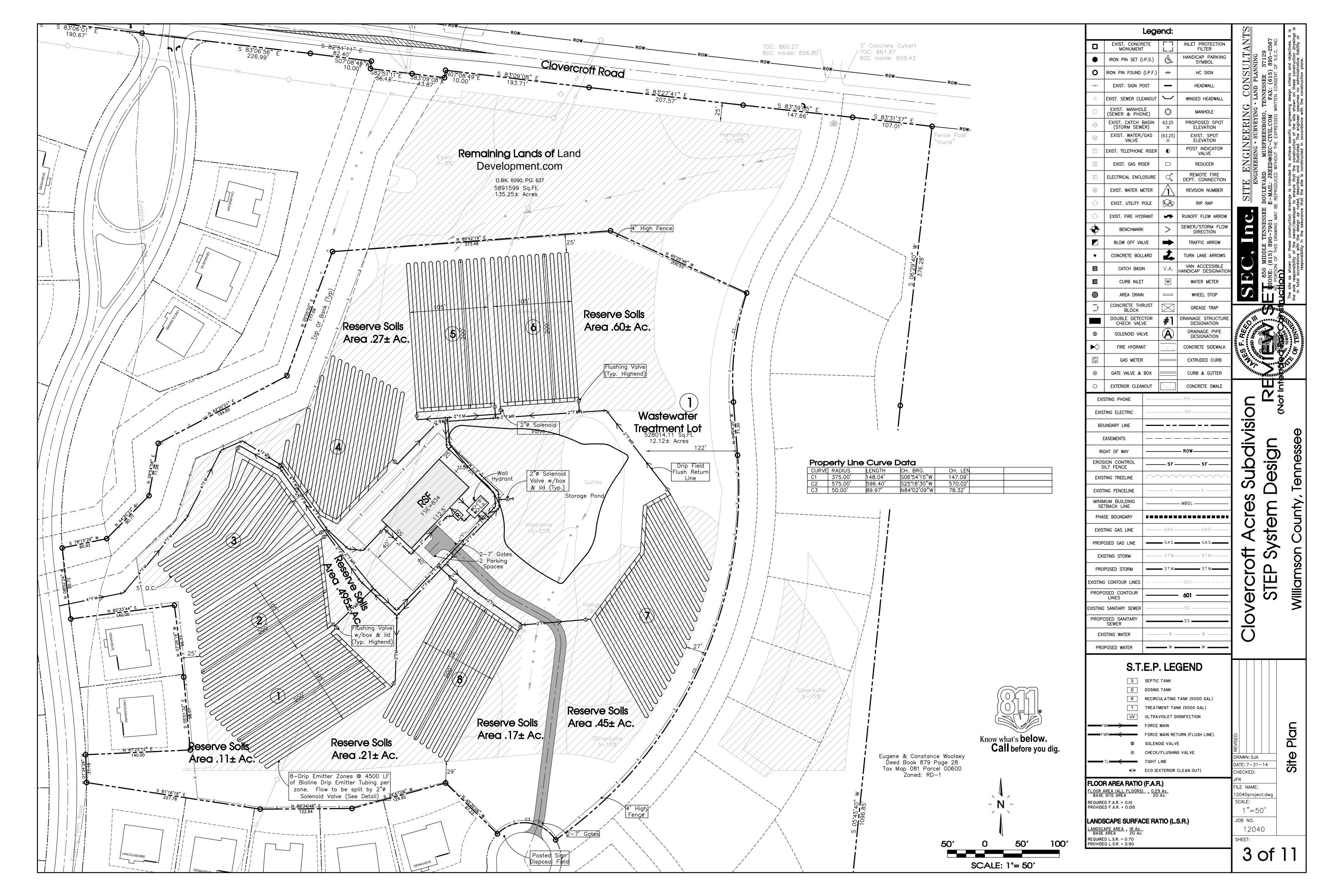
850 MIDDLE TENNESSEE BOULEVARD MURFREESBORO, TENNESSEE 37129 PHONE: (615) 890-7901 E-MAIL: JREED@SEC-CIVIL.COM

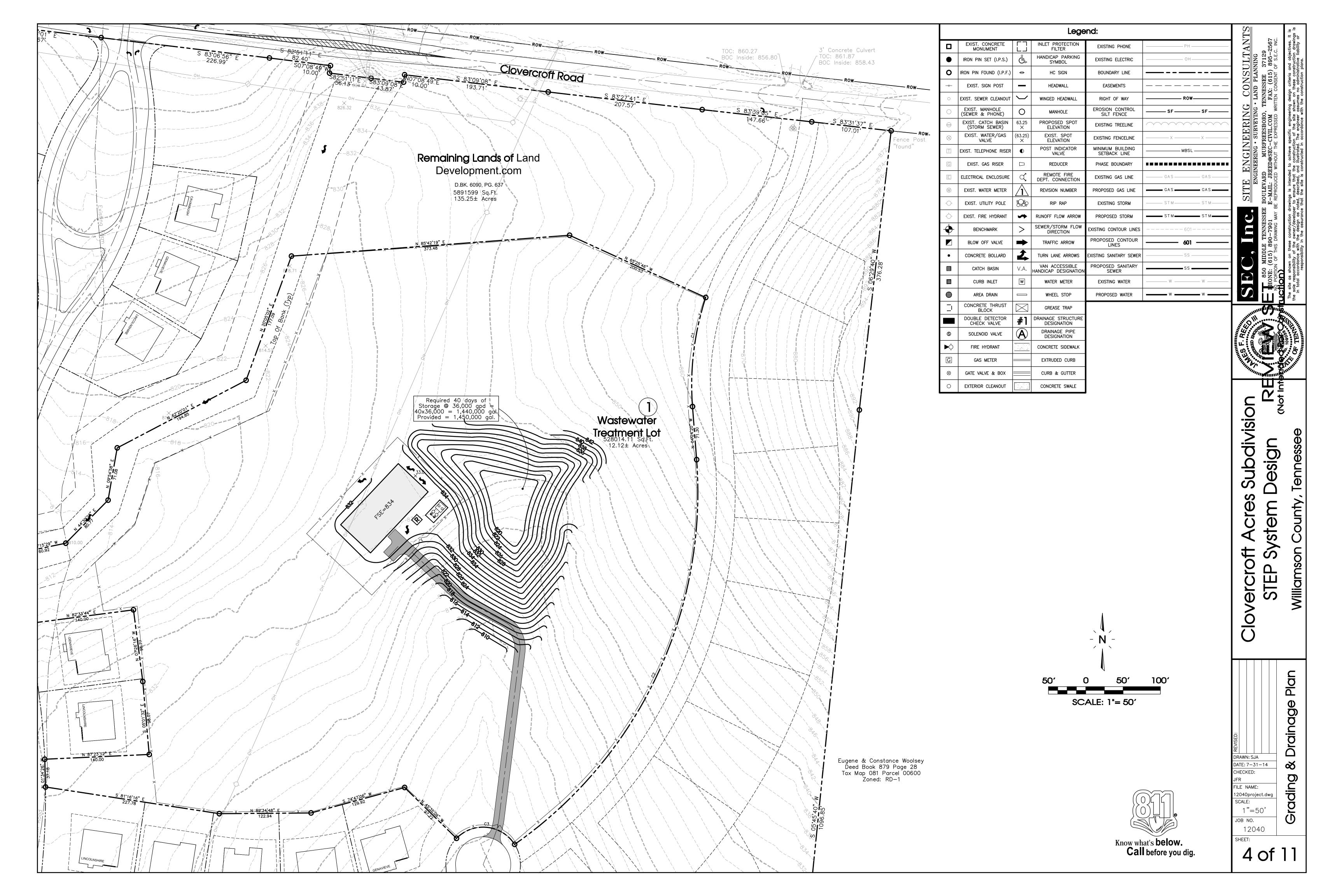
NO PORTION OF THIS DRAWING MAY BE REPRODUCED WITHOUT THE EXPRESSED WRITTEN CONSENT OF S.E.C. INC.

James F. Reed III, P.E. TN. Reg. #109038









Grading and Drainage Notes:

1. The site work contractor shall coordinate the installation of all underground utilities with his work. All underground utilities (water, sanitary sewer, storm sewer, electrical conduit, irrigation sleeves, and any other miscellaneous underground utilities, devices, or structures), shall be in—place prior to the placement of base course material.

2. The contractor shall cut existing pavement as necessary to assure a smooth fit and continuous grade.

3. The contractor shall verify horizontal and vertical location of all existing storm sewer structures, pipes and all utilities prior to construction.

4. Clearing and grubbing limits shall include all areas disturbed by grading operation.

5. Any graded or disturbed areas shall have 4 inches of topsoil, seed, mulch, fertilizer and water applied until a healthy stand of grass is obtained. The restoration shall closely follow construction.

6. A Portion of this site lies within Zone AE, in a 100 Year Flood Hazard Area per F.E.M.A. Map No. 47187C0240F dated September 29, 2006.

7. All cut/fill slopes and drainage swales shall be stabilized to the satisfaction of the Williamson County Engineering Department. If stabilization is not achieved by seeding or sodding, then more stringent measures such as erosion control fabric, permanent turf reinforcement matting or concrete lining shall be used.

8. Contact the Williamson County Engineering Department at 615-790-5809 to request permits to perform work within the public right-of-way.

9. Any improvements or modifications within the public right—of—way require the approval of the Williamson County Highway Department.

Erosion Control Notes:

1. The site contractor is responsible for establishing and maintaining suitable erosion and sediment control devices on—site during construction as required to prevent silt from leaving site. Silt will not be allowed beyond construction limits.

2. The contractor is responsible for removing silt from site if not reusable on—site and assuring plan alignment and grade in all ditches at completion of construction.

3. The contractor is responsible for cleaning out all storm drainage structures, including flumes, pipes, etc., prior to completion of this project.

4. Erosion control shall be provided for all cut and fill operations within the limits of the construction site, throughout the construction period to provide the site with maximum protection from erosion at all times.

5. Erosion control measures are to be installed prior to any grading on—site and are to be maintained in place until stabilization of erodable soils has been accomplished.

General Utility Notes:

1. Existing utility lines shown are approximate locations only. The contractor shall field verify all existing utility line locations prior to any construction. Any deviations from the design locations shall be reported to the owner or engineer prior to beginning construction.

2. The contractor will provide all necessary protective measures to safeguard existing utilities from damage during construction of this project. In the event that special equipment is required to work over and around the utilities, the contractor will be required to furnish such equipment. The cost of protecting utilities from damage and furnishing special equipment will be included in the price bid for other items of construction.

3. The contractor shall notify each individual utility owner of his plan of operation in the area of the utilities, prior to commencing work, the contractor shall contact the utility owners and request them to properly locate their respective utility on the ground. This notification shall be given at least three (3) business days prior to commencement of operations around the utility.

4. The contractor shall refer to engineer's plans and specifications for actual location of all utility entrances to include sanitary sewer laterals, domestic water, and electrical service. This contractor shall coordinate installation of utilities in such a manner as to avoid conflicts and assure proper depths are achieved as well as coordinating with the regulatory agency as to location and scheduling of tie—ins/connections to their facilities.

5. All underground utilities (water, sewer, storm sewer, electrical conduit, irrigation sleeves, and any other miscellaneous), shall be in—place prior to the placement of base course material.

6. Location of site utilities shall be verified with proper utility company providing service.

7. In Tennessee it is a requirement per "the underground utility damage prevention act" that anyone who engages in excavation must notify all known utility owners, no less than three nor more than ten working days, prior to their intended excavation. A list of these utility owners may be obtained from the county register of deeds those utility owners who participate in the Tennessee one call system can be notified toll free at 1-800-351-1111.

S.T.E.P. System General Notes:

1. The location of treatment system components as shown are general in nature. Minor field adjustments may be necessary. The contractor may request to modify the location of the components through the owner and the Tennessee Division of Water Pollution Control.

2. This design is for the treatment and disposal of wastewater collected from Clovercroft Acres, design

3. All flows for this system shall be controlled and monitored by the MVD (Smart) Panel. This monitoring shall be considered the flow meter for this system.

4. The minimum horizontal separation between the closest two points of the water and sewer line is ten (10) feet. The minimum vertical separation between the closest two points of the water and sewer line shall be 18 inches, with waterlines being above sewerlines.

5. Contractor shall comply with the most current requirements, specifications, and detail drawings for the installation of STEP system collection lines as outlined in the WPC Design Criteria Section 2.4.1.

6. All trenches, pipe laying, and backfilling shall be in accordance with federal O.S.H.A. regulations.

7. Utility contractor shall have approval of all governing agencies having jurisdiction over this system prior to installation.

8. All tanks shall be one—piece, structurally sound, watertight tanks as manufactured by Jarrett Concrete Products, or approved equal.

9. Testing procedure for water tightness is as follows. Fill tank 2" into the riser. After a period of 24 hours, the water level should have lowered no more than ½".

10. Collection forcemain shall be 2"ø, 3"ø, & 4"ø SDR21 purple PVC pipe (color to be coordinated with IRM Utility Co.). Forcemain shall be tested and rated for a 150 PSI working pressure.

Site Notes:

1. Contractor shall immediately notify the engineer of any discrepancies found between these plans, and/or field conditions prior to construction.

2. Apparent errors, discrepancies, or omissions on the drawing shall be brought to the attention of the owner prior to bid submittal. The contractor may not use apparent errors, discrepancies, or omissions present on the drawings presented for bidding for additional charges after bids have been submitted. The architect shall be permitted to make corrections and interpretations as may be deemed necessary for the fulfillment of the intent of the contract documents.

3. The contractor shall stake all improvements using the geometric data provided in the drawings. It is the sole responsibility of the contractor to completely stake and check all improvements to ensure adequate positioning, both horizontal and vertical, prior to the installation of any improvements. No digital file will be provided.

4. The notes and plans shown call attention to certain required features of the construction but do not claim to cover all details of design and construction. The contractor shall furnish and install the work complete and ready for operation.

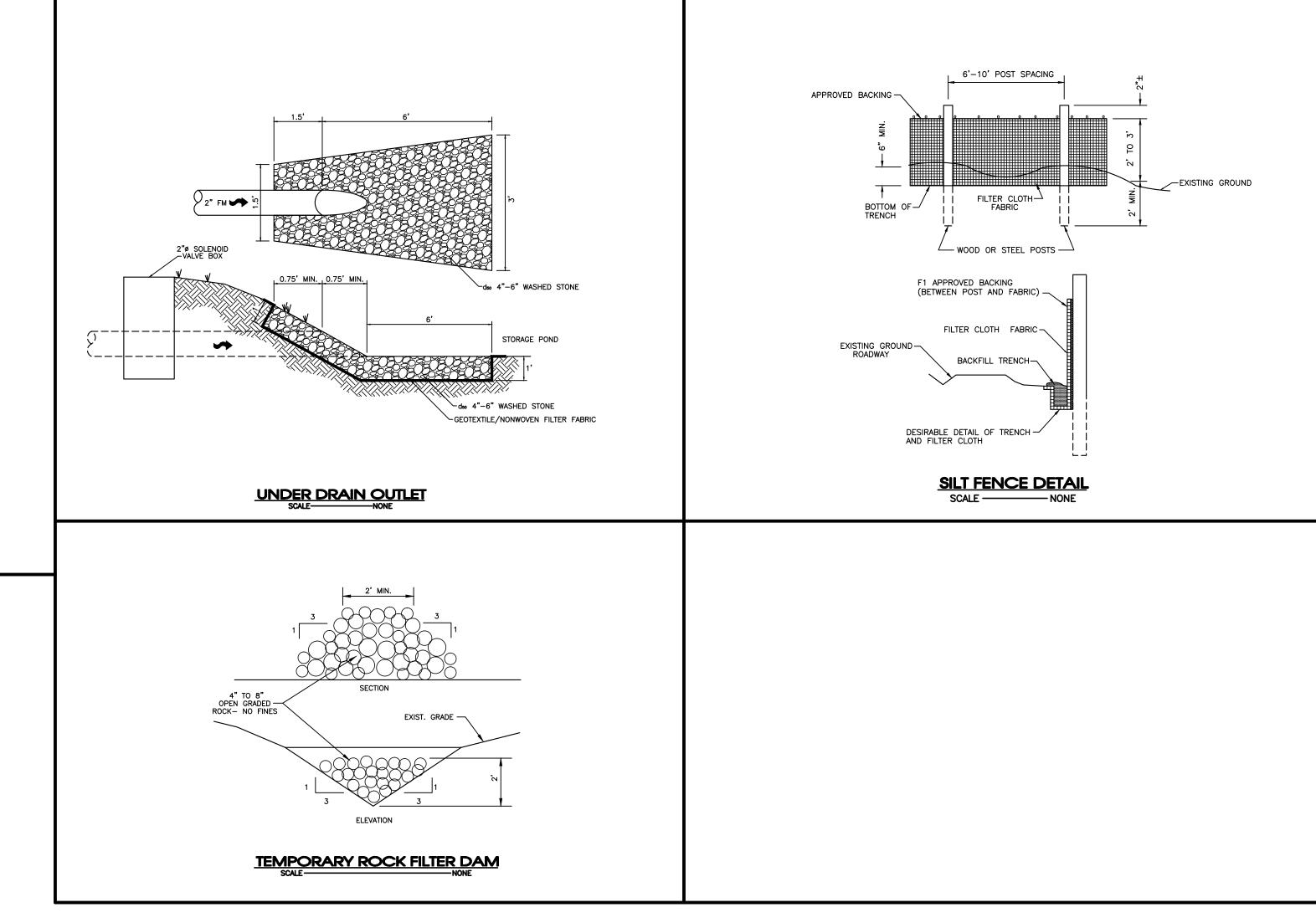
5. After completion of construction, the contractor shall perform site cleanup to remove all trash, debris, excess materials, equipment, and other deleterious materials associated with construction. The contractor is expressly responsible for ensuring the site is clean and in operable condition at the time of final acceptance.

6. The contractor is responsible for the protection and replacement of all property pins on this site.

7. These drawings are intended for use on this site only and as an integrated set for this specific project. These drawings may not be used in whole or in part on any other project under the professional engineer's seal, The owner shall hold harmless and indemnify the architect and engineer from and against any and all claims of any nature whatsoever arising from such use.

8. Existing conditions and topo shown herein are taken from a field—run survey by S.E.C., Inc.

9. A separate R.O.W. Excavation Permit issued from Williamson County shall be required for any excavation or constuction in the public R.O.W.



Clovercroft Acres Subdivision STEP System Design

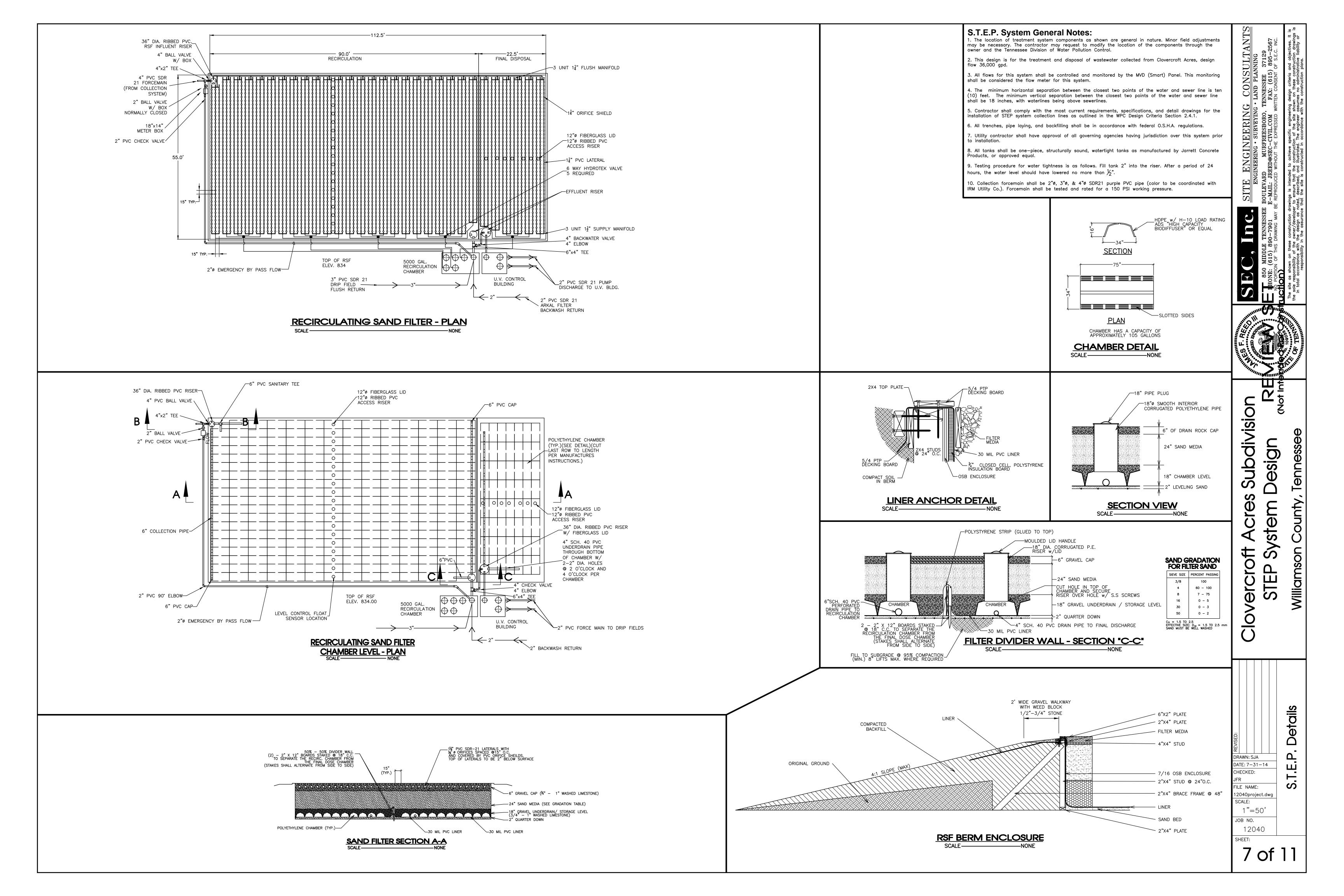
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LAND PLANNING

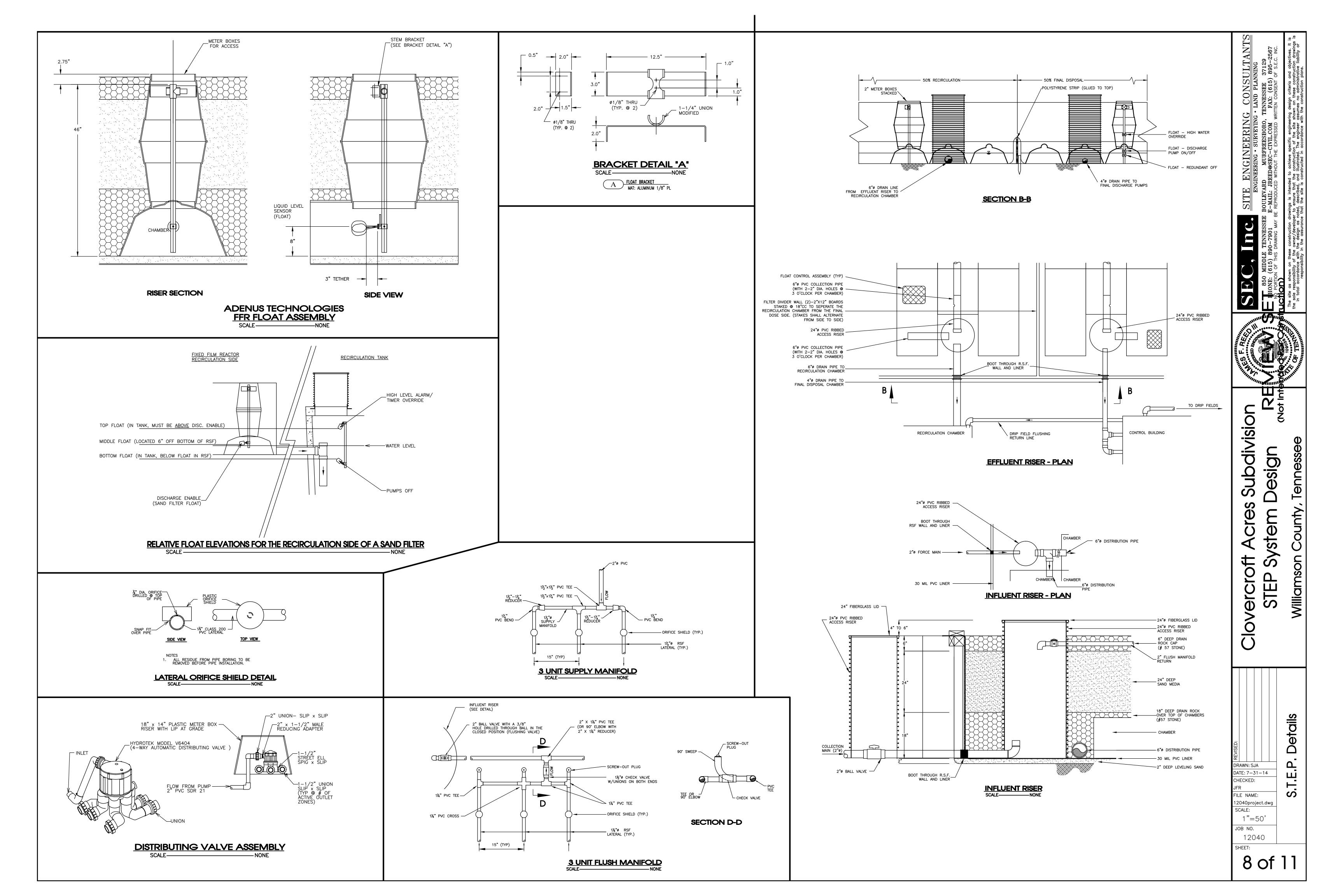
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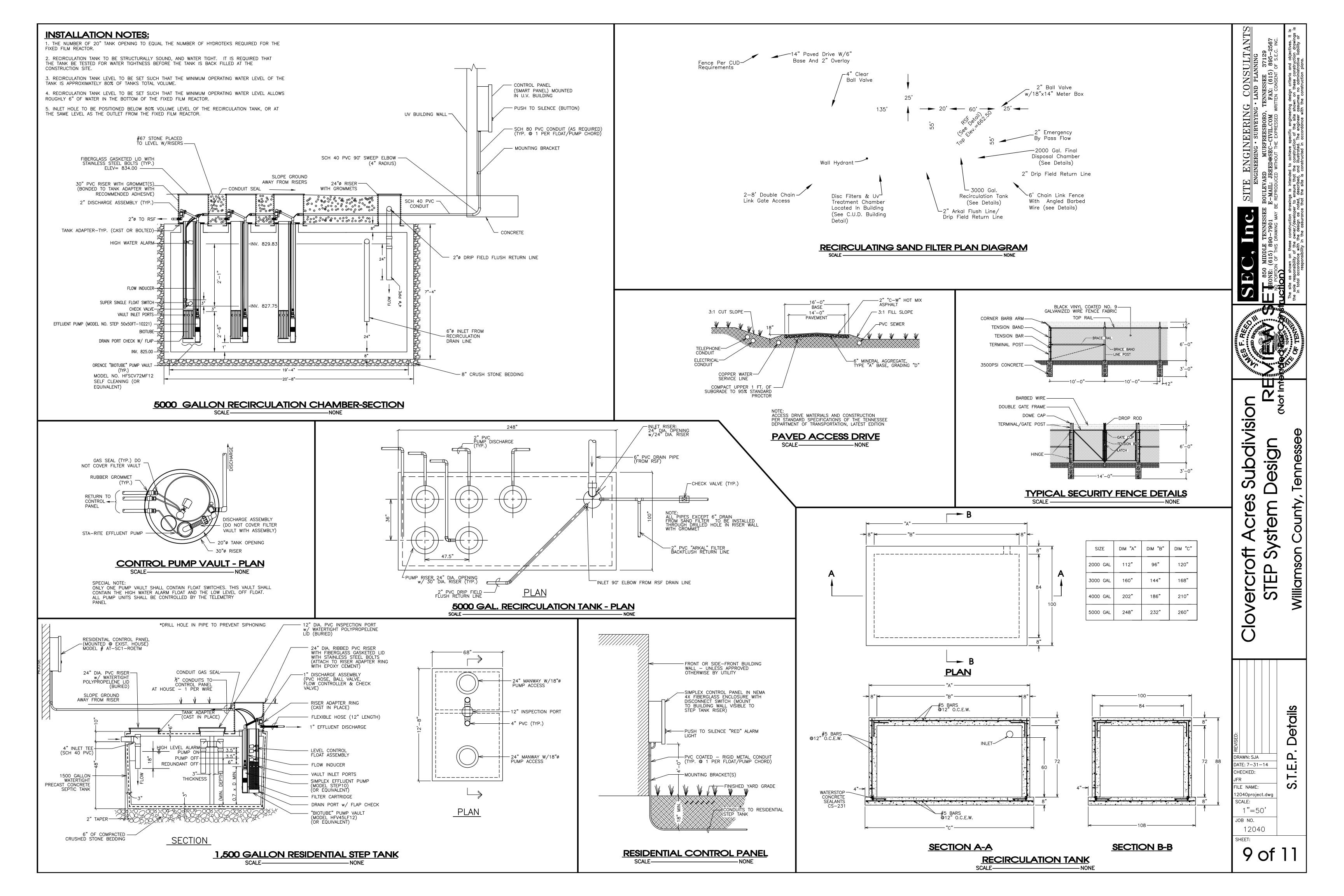
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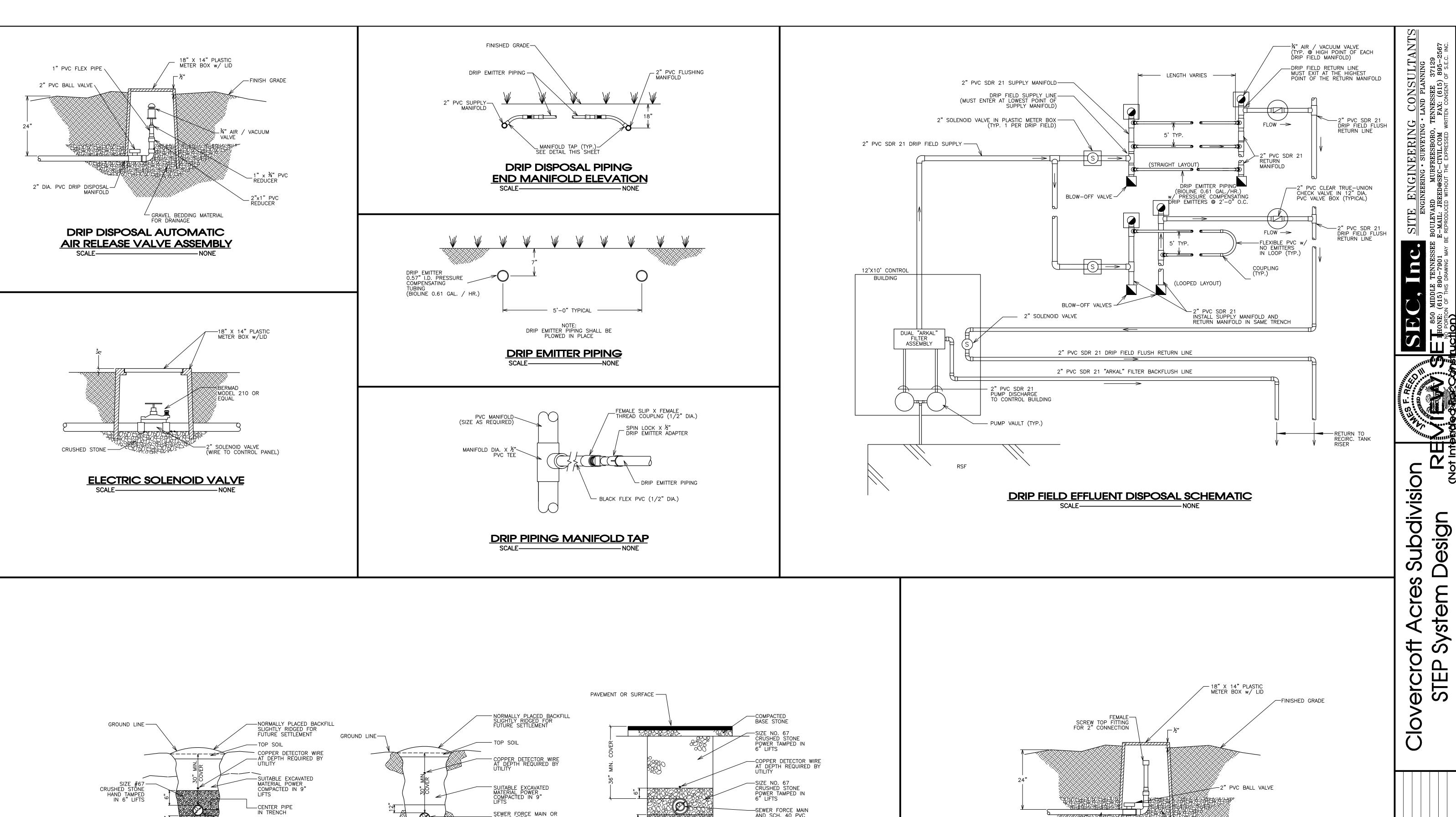
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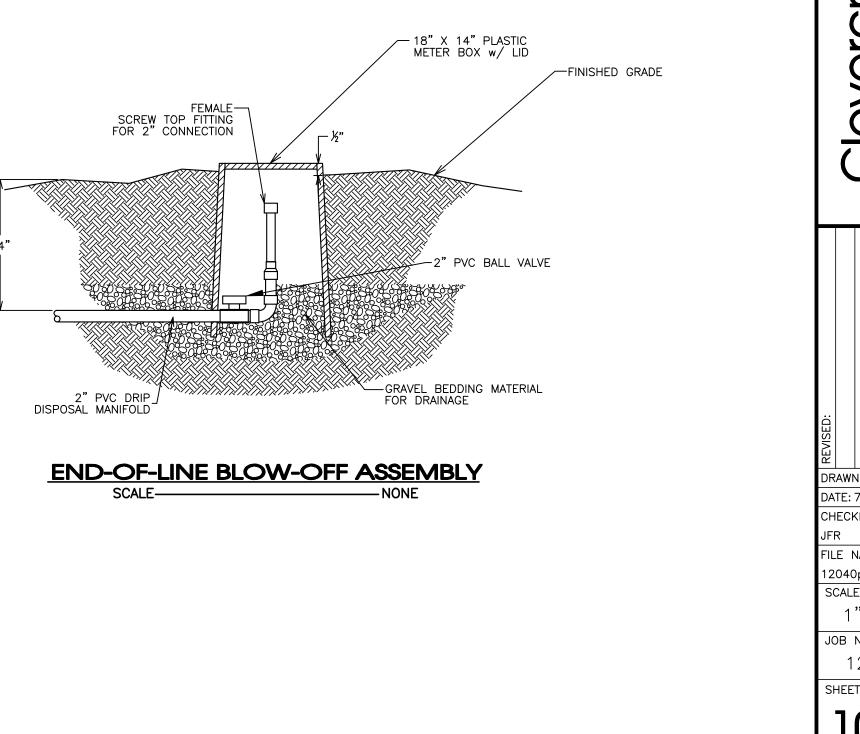
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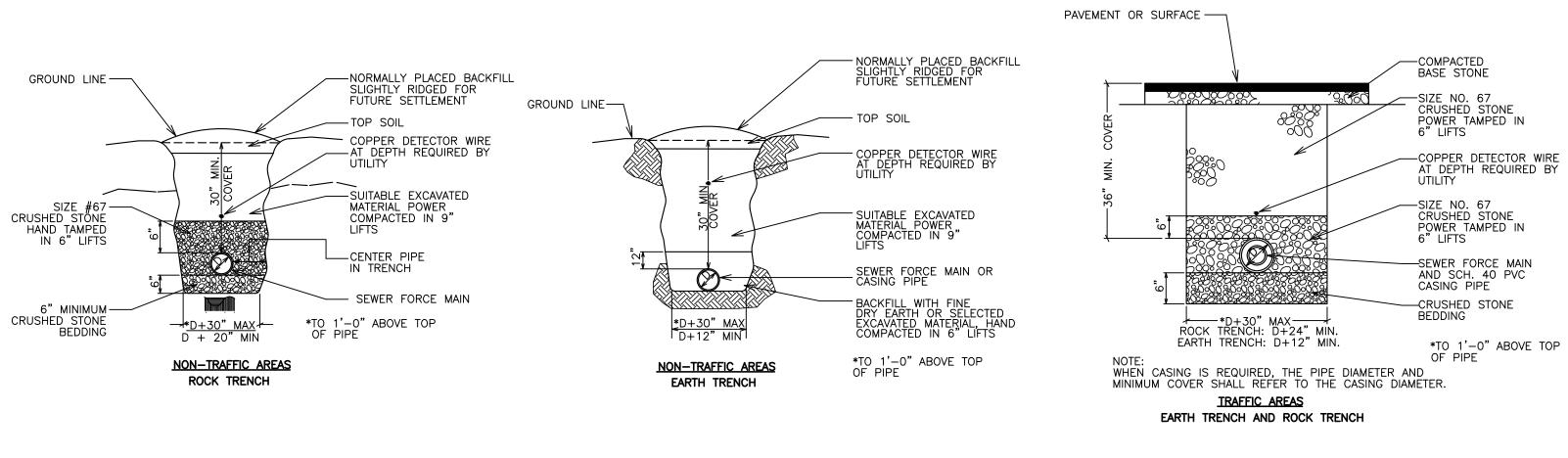




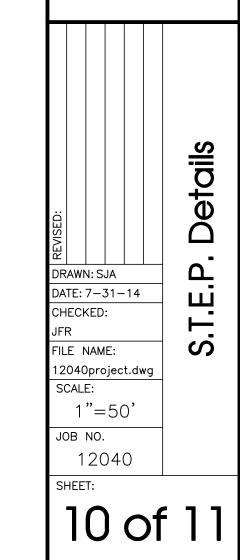




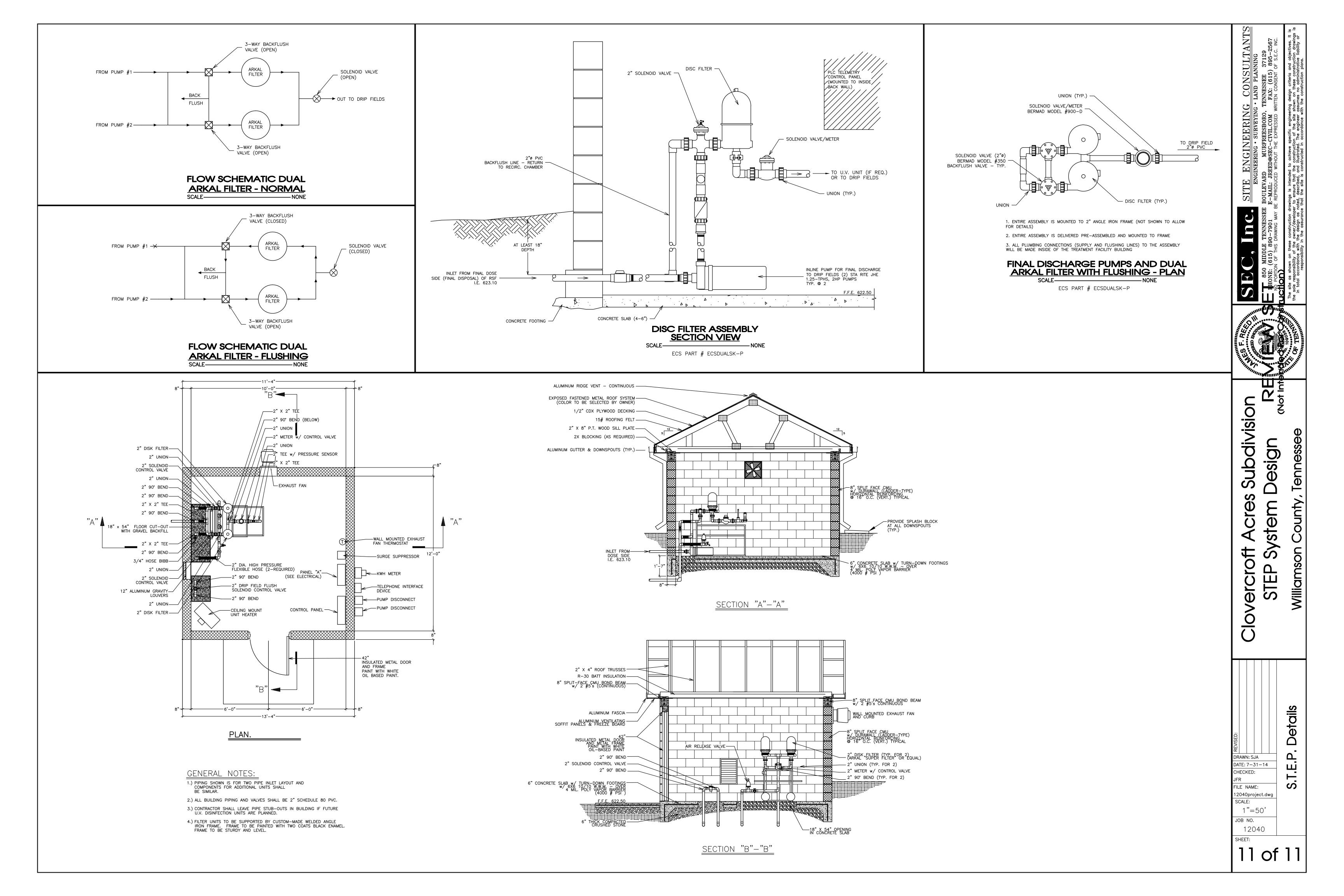


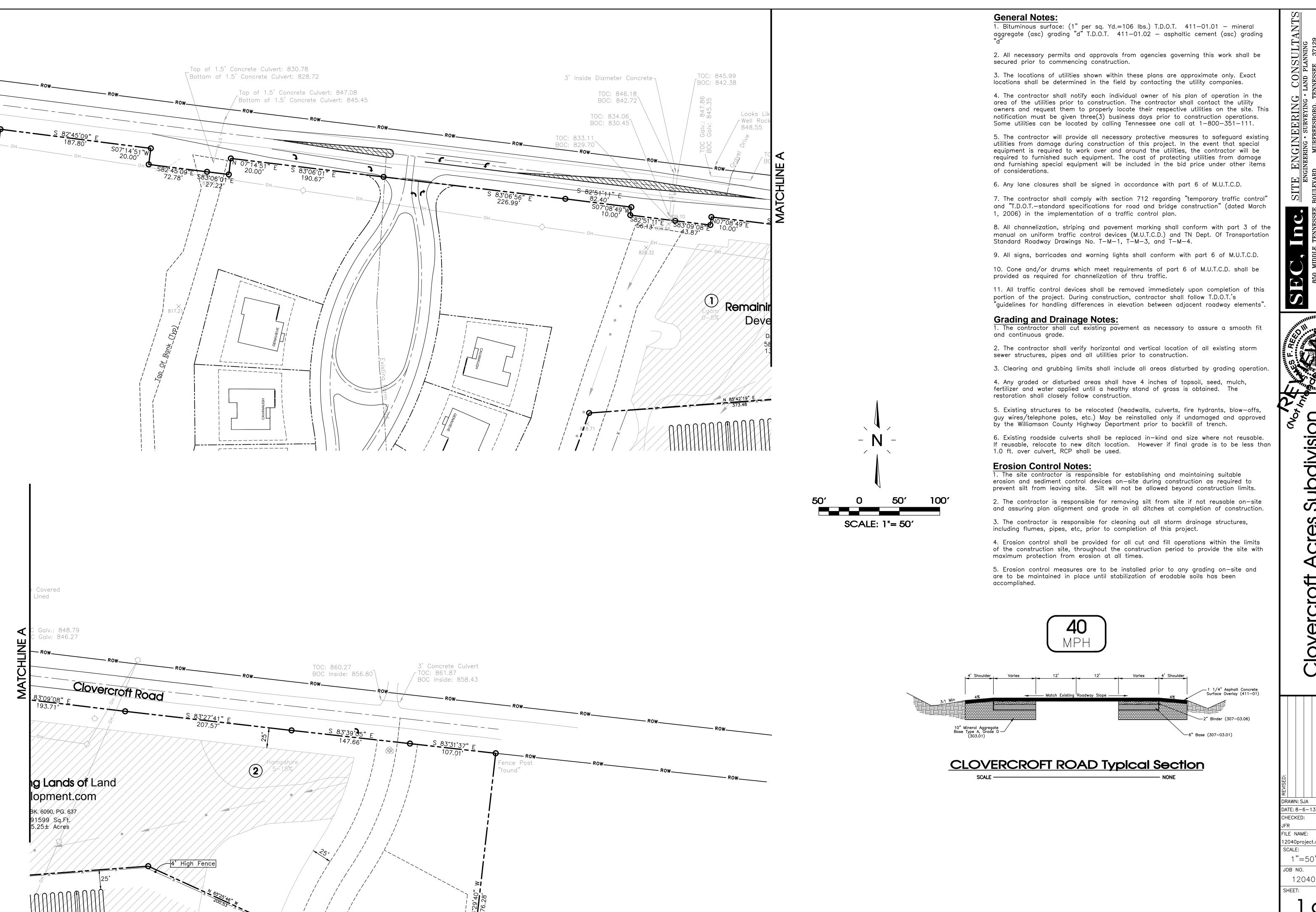






William





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