

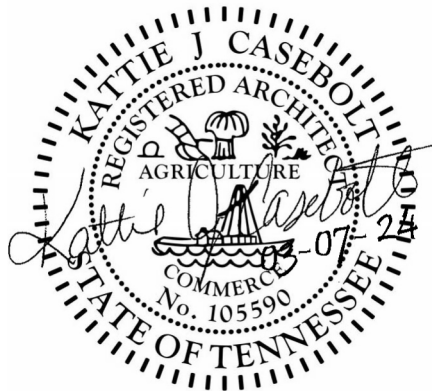
COLLECTIVE

ARCHITECTURE COMPANY

DATE: Mar 7, 2024

MEMORANDUM TO: All Potential Bidders

FROM: Collective Architecture Company
Kattie Casebolt
236 E. Market Street
Kingsport, TN 37663



SUBJECT: Addendum #1

PROJECT NAME: New Building for
Sullivan County Recycling
999 Cross Community Rd
Blountville, TN 37616

ITEM # 1 **Bid Date:** The bid date is extended to March 20, 2024 at 2:00pm.

ITEM # 2 **Question No 2:** Can you give us some direction as to what type of finish will be required for the concrete paving? Section 3.6 lists all that are acceptable, but it could also be interpreted that all methods are required.

236 EAST MARKET STREET
KINGSPORT, TENNESSEE 37660
CELL: 803.389.9494

Response: Exterior concrete pads shall receive a broom finish. Interior floors to receive smooth finish using steel trowel per section 03300.3.4.

- ITEM # 3 **Question No 3:** Can excess earth material be disposed of onsite, if any?
Response: Excess earth material can be disposed of on site and will be coordinated with the owner at time of construction.
- ITEM #4 **Question No 4:** The septic system shows the design is by others. Is this system to be included in our bid? If so, can more information be provided?
Response: See attached Civil Drawings for further clarification. The septic system needs to be included in the bid.
- ITEM # 5 **Question No 5:** Can you tell us the size of the existing water line on Cross Community Road?
Response: Based on current information, we believe it is a 2" water line.
- ITEM # 6 **Question No 6:** Is the bottom impact resistant bottom section also a knock-out panel? Is there glass in the overhead doors?
Response: No, drawing A601 calls out the bottom section of the door to receive an impact resistant panel. See size on drawing. There is no glazing in the overhead doors.
- ITEM # 7 **Question No 7:** What is the Pump Pit Detail?? We don't see these often and I'm not sure what's included or how to price it. Are we responsible for this??
Response: Yes, all items related to the sewer piping and septic system are part of the contract. See attached Civil Drawings with additional information.
- ITEM # 8 **Question No 8:** What is the Force Main Pipe Type and Size?? Are we responsible for this?
Response: Yes, all items related to the sewer piping and septic system are part of the contract. See attached Civil Drawings with additional information
- ITEM # 9 **Question No 9:** The Notes say the Septic design is by others so also please verify to what extent we need to price sewer items please. If we do not need to go past the Tank please advise.
Response: Yes, all items related to the sewer piping and septic system are part of the contract. See attached Civil Drawings with additional information
- ITEM # 10 **Question No 10:** What is the time line/time frame for this project?
Response: Contractor to include days to complete and a proposed start date with their bid.
- ITEM # 11 **Question No 11:** We would recommend 2-foot side wall translucent panels for natural lighting vs the sky lights.
Response: The county would accept this and include in your bid if this is an add or deduct or equivalent in price.

ITEM # 12 **Question No 12:** There is about 4000 CY of excess material. Is there an area on site or adjacent to site that we will be permitted to waste the excess material?? Or will it be required to be hauled off site??
Response: See item no 3 above.

ITEM # 13 **Question No 13:** Metal Building product approval/Substitution request.
Response: Any substitutions will need to meet all specification requirements and design intent. See attached ACI Buildings Systems attachment.

ITEM # 14 **Question No 14:** Contractor's/ Plan Room List
Response: All known bidders and plan rooms at this time. Tri-Cities AGC, Summers Taylor, Builders Exchange of TN, Construction Connect, Unlimited Doors, Casey Construction, Glass Machinery, TriCon Builders, Preston Construction Company, Mitch Cox Companies, Dodge Construction Network, TR Industrial, Path Construction, GRC Construction

Attachments **23-023 A601 – Revision No 1 – 3-7-2024 Finish Schedule Change to Floor Finish, ACI Metal Building Systems Substitution Approval, SC Recycling Site Plans 3-8-24 PDF & Cad File**

END OF ADDENDUM



ACI Building Systems, LLC

10125 Highway 6 West • P.O. Box 1316
Batesville, Mississippi 38606
Tel: (662)563-4574 • Fax: (866)867-0050
www.ACIBuildingSystems.com



3/4/2024

Collective Architecture Company

236 E. Market Street
Kingsport, TN 37660

Re: Request to be approved as a metal building systems supplier for the New Recycling Center for Sullivan County, TN.

ACI Building Systems, LLC started its operation in 1990 and has successfully grown to become one of the largest steel manufacturers in the southeast. We operate one of the most efficient manufacturing facilities in the industry, at 270,000 sq. ft., and are committed to meeting your construction schedule. Our goal is to provide our customers with quality products and services that enable them to complete projects on time and within budget.

ACI Building Systems, LLC is a full service manufacturer of custom engineered metal building systems and metal roofing solutions. We design and fabricate building and roofing projects in accordance with **AWS, AISI, ASTM, MBMA**, and local building codes for the specific location of each individual project. ACI meets the requirements for Factory Mutual, Energy Star, Green Building Program, and the IAS Quality Certification program. **ACI** is also a member of the Metal Building Manufacturers Association (MBMA).

ACI designs and fabricates each building in accordance with the loads and codes set forth by the architectural plans and specifications and offers certified stamped drawings by a state registered professional engineer as required by the engineer of record.

ACI has furnished many **architect-specified buildings**, projects for the Corps of Engineers, the private sector, and the U.S. Government, spanning the continental United States and Central America. Attached is our company information brochure and specific panel data sheets for the project noted. If you require any additional information about our company or products please do not hesitate to contact me. We will be pleased to provide our standard erection manuals and any other pertinent information you may require. We would appreciate your consideration in being added as an approved manufacturer for the above referenced project and to be added as a permanent approved manufacturer by your firm.

Regards,

Hunter McCullough

Estimator

ACI Building Systems, LLC

10125 Highway 6 West /P.O. Box 1316
Batesville, MS 38606 662-563-4574 Ext. 2256



SUBSTITUTION REQUEST

(During the Bidding/Negotiating Stage)

Project: New Recycling Center for Sullivan County, TN Substitution Request Number: _____

 From: ACI Building Systems
 To: Collective Architecture Company _____

 A/E Project Number: _____
 Re: Product Approval / Substitution Request Contract For: Metal Building Systems Supplier

Specification Title: Pre-Engineered Metal Building / Metal Building Systems Description: Metal Building System and Components
 Section: 13121 Page: 4 Article/Paragraph: 2.1.A

Proposed Substitution: [1]ACI as an approved PEMB manufacturer [2] Approval of ACI's Stratoshield panel. [3] Approval of ACI's PBA Wall panel
 Manufacturer: ACI Building Systems Address: 10125 Hwy 6 West Batesville, MS 38606 Phone: 662-563-4574
 Trade Name: Metal Building Systems Manufacturer Model No.: _____

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Hunter McCullough
 Signed by: *Hunter McCullough*
 Firm: ACI Building Systems
 Address: 10125 Highway 6 West
Batesville, MS 38606
 Telephone: 662-563-4574 ext 2256

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
 Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
 Substitution rejected - Use specified materials.
 Substitution Request received too late - Use specified materials.

Signed by: _____

Date: _____

Supporting Data Attached: Drawings Product Data Samples Tests Reports _____



CERTIFICATE OF ACCREDITATION

This is to attest that

ACI BUILDING SYSTEMS, LLC

10125 HIGHWAY 6 WEST
BATESVILLE, MISSISSIPPI 38606, U.S.A.

Inspection Program for Manufacturer of Metal Building Systems MB-160

has met the requirements of AC472, *IAS Accreditation Criteria for Inspection Programs for Manufacturers of Metal Building Systems, Part A-Fabrication of Structural Weldments and Cold-formed Products Requiring Welding, Part B-Fabrication of Cold-formed Products Not Requiring Welding, Part C-Design of Metal Building Systems*, and the in-plant inspection program is in compliance with Section 1704.2.5.1 of the 2015, 2018 and 2021 *International Building Code*®, Section 1704.2.5.2 of the 2012 *International Building Code*®, and Section 1704.2.2 of earlier code editions. Periodic plant inspections are conducted by Farabaugh Engineering and Testing Inc. (AA-715) to monitor compliance with the requirements of AC472.

This certificate is valid up to July 1, 2024



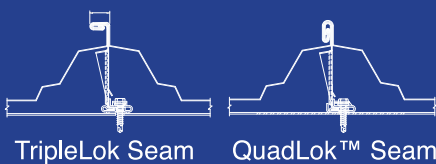
A handwritten signature in black ink that reads "Raj Nathan".

President

Visit www.iasonline.org for current accreditation information.



The StratoShield Roof System has been designed for use in architectural or functional applications where both appearance and weather resistance of the roof are primary concerns. Many standing seam roof systems have similar appearance but have major differences in their performance. The StratoShield Roof System has many advantages over most other roof systems and, when properly installed, will offer excellent weather resistance and be practically maintenance free. The StratoShield Roof System is adaptable for use on new construction and as a replacement roof for existing buildings where weather resistance is the most important design consideration.



Load Span Tables and Section Properties StratoShield Panel Profile

Section Properties: 24" wide, 50 ksi StratoShield Panel

Gauge	Panel Thickness (in.)	Wt. (psf)	Yield Stress (ksi)	Allowable Shear Kips/ft
24	0.0221	1.133	50	0.84
22	0.0275	1.406	50	1.16

Ga.	Panel Top in Compression (Positive Bending)			Panel Bottom in Compression (Negative Bending)		
	I _{xe} (in ⁴ /ft)	S _{xe} (in ³ /ft)	M _{axo} (in.kip s/ft)	I _{xe} (in ⁴ /ft)	S _{xe} (in ³ /ft)	M _{axo} (in.kip s/ft)
24	0.3620	0.1517	4.541	0.1520	0.0924	2.766
22	0.4475	0.1875	5.626	0.1965	0.1235	3.698

Notes on Section Properties:

• Section properties and allowables are calculated in accordance with North American Specification for the Design of Cold-Formed Steel Structural Members (2001 Edition & 2004 Supplement)

• I +/- is for deflection determination, S +/- is for bending determination & Ma is allowable bending moment.

• Ma is allowable bending moment and Va is allowable shear.

• All values are for one foot of panel width.

Web Crippling:

24 gauge: Allowable intermediate bearing at 2.5" = 0.189 kips/ft

Allowable end bearing at 2.5" = 0.065 kips/ft

22 gauge: Allowable intermediate bearing at 2.5" = 0.280 kips/ft

Allowable end bearing at 2.5" = 0.097 kips/ft

StratoShield Allowable Gravity Loads - All loads in lbs per sq.ft.

A. 24 Gauge Material (Fy = 50 ksi)

Gauge	Span Condition	Span (ft)							
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	
24	SS	Stress	756.8	484.3	336.3	247.1	189.2	149.5	121.1
		L/180	3955.2	2025.1	1171.9	738.0	494.4	347.2	253.1
	DS	Stress	379.9	258.5	186.2	140.1	109.0	87.1	71.1
		L/180	9519.4	4873.9	2820.6	1776.2	1189.9	835.7	609.2
	TS	Stress	424.4	292.2	212.2	160.5	125.3	100.4	82.2
		L/180	7463.7	3821.4	2211.5	1392.7	933.0	655.3	477.7

B. 22 Gauge Material (Fy = 50 ksi)

Gauge	Span Condition	Span (ft)							
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	
22	SS	Stress	937.6	600.1	416.7	306.1	234.4	185.2	150.0
		L/180	4889.4	2503.3	1448.7	912.3	611.2	429.2	312.9
	DS	Stress	513.0	348.1	250.3	188.1	146.2	116.7	95.3
		L/180	11767.7	6025.1	3486.7	2195.7	1471.0	1033.1	753.1
	TS	Stress	574.1	394.1	285.6	215.7	168.2	134.7	110.2
		L/180	9226.6	4724.0	2733.8	1721.6	1153.3	810.0	590.5

Notes on Section Properties:

* Allowable load based on stress is the smallest load due to bending, shear and combined bending and shear.

* Allowable load based on deflection limit cannot exceed allowable load based on stress.

* Allowable loads for deflection are based on deflection limitation of span/180.

* For roof panels, self weight of the panel has to be deducted from the allowable inward load to arrive at the actual 'live load' carrying capacity of the panel.

* SS = Simple span, DS = Double Span and TS = Three or more spans

StratoShield Allowable Wind Uplift Loads - All loads in lbs per sq.ft.

A. 24 Gauge Material (Fy = 50 ksi) with MPS 602 or MPS 603 Clip

TripleLok Seam			
Span	1592 Test Ultimate Load	1592 Design Load	COE Design Load
2.0	145.6	85.5	88.2
2.5		78.4	80.8
3.0		71.3	73.6
3.5		61.1	63.0
4.0		53.5	55.2
4.5		47.6	49.1
5.0	72.8	42.8	44.1

QuadLok Seam			
Span	1592 Test Ultimate Load	1592 Design Load	COE Design Load
2.0	185.5	108.8	112.4
2.5		99.7	103.0
3.0		89.8	92.8
3.5		77.0	79.6
4.0		67.4	69.6
4.5		59.9	61.9
5.0	91.9	53.9	55.7

Notes on Section Properties:

1. The above tabulated loads are generated from certified ASTM E-1592 testing.

2. Intermediate design loads are interpolated from ultimate test loads.

3. Design loads contain a safety factor calculated per AISI.

4. COE design load contains a 1.65 safety factor per COE 07416 Specification.

5. These load capacities are for the panel itself. Frames, purlins, clips, fasteners, and all supports must be designed to resist all loads imposed by the panel.

6. Allowable wind uplift loads have not been increased by 33% as allowed by some codes when wind load controls.

7. This material is subject to change with out notice. Contact ACI Metal Roofing Systems, Inc. for most current values.

PHYSICAL DESCRIPTION

The StratoShield Roof System will consist of metal panels joined together by a unique factory- formed, interlocking seam that is easily assembled and seamed in the field. The StratoShield Roof System is secured to the roof structure with clips that are locked into the seam during the field seaming process. Associated components such as perimeter adapters, perimeter trim and flashing have been designed to accommodate most types of structures.

PANEL

The panel will be fabricated from steel which is coated with Galvalume, and optional factory applied paint. Galvalume coated steel sheet will provide a long-lasting weathering membrane. Galvalume coating has a proven weather resistance in excess of 20 years. The steel sheet is impervious to moisture and will resist falling objects and roof traffic better than other known roof membranes commonly used. The steel panel profiles are designed to resist live load and wind uplift without the complexity and cost of additional substrate as required on most other roofing systems. The ultimate performance of a Galvalume coated steel panel is determined by effectiveness of the design of the steel panel, perimeter seals, and panel attachment methods.

PANEL AND FLASHING MATERIALS

The roof panels will be of 24 ga. or 22 ga. steel, 50,000 psi minimum yield strength (ASTM A792- 06a, Grade 50, Class 1), coated with AZ50 (minimum) aluminum/zinc alloy for painted finish or AZ55 aluminum/zinc alloy for unpainted finish.

The flashing and trim will be a 24 or 26 ga. steel 50,000 psi minimum yield strength (ASTM A792, SS Grade 50, Class I), coated with AZ50 (minimum) aluminum/zinc alloy for painted finish zinc or AZ55 aluminum zinc for unpainted finish.

PANEL CLIPS

Panel clips fasten the roof panels to the structure. The clips are designed to allow the panel to float over the secondary structurals. Floating clips will have a tab and a base with a sliding interlock allowing the roof 1-1/2" of expansion and 1-1/2" of contraction movement. The floating clip tab will move in the sliding interlock of the galvanized steel clip base. The clip base will be protected from corrosion by galvanized coating that has similar weather resistance

to that of the panel coating. Panel clips will be attached to 16 gauge minimum , cold-formed, secondary structurals with two 1/4"- 14 x 1 1/4" self-drilling screws. Fasteners required for other types of secondary structurals will be determined by building applications or the substrate used on the building.

SEAM

The StratoShield panels have a sidelap that can be formed into two types of seams:
1) TripleLok™-The TripleLok seam is formed continuously by folding the adjacent panels sides over each other to interlock the two panels so they form a watertight seal that will resist separation even if the panels are severely deformed. The TripleLok seam is partially formed in the factory and completed in the field with a mechanical seamer. The TripleLok seam will resist greater uplift forces than any known seam.
2) QuadLok™-The "QuadLok" seam, commonly referred to as the "Pittsburgh 360" is used in high wind load areas and can reduce the need for additional sub-framing due to increased uplift forces at eaves and rakes.

SEALANTS

The seam sealant will be a non-drying, non-hardening, non-oxidizing sealant specifically formulated for factory sealing standing seam roof panels. Sealant for the eave, end splice, ridge flashing, and rake trim will be non-drying, non-hardening tape sealant specifically formulated for field application at temperatures of 20° F to 120° F. Service temperature of both sealants will be -60° F to 180° F.

CLOSURES

The end dam to be used at the ridge and high side of a single slope roof is a 22 ga. die-formed steel closure with factory punched holes. The end dam seals the outside of the panel at the ridge or high edge of a single slope roof panel to the ridge or high edge of roof flashing. The seal is developed using gasket techniques similar to those used at the endlap. The tape sealant is sandwiched between the roof panel, which is fully supported by a rigid heavy gauge back-up channel and the flange of the end dam. The fasteners placed in the factory-punched holes clamp the back-up channel and end dam together. The clamping force uniformly compresses the sealant between the panel and the end dam causing the sealant to be extruded with over one ton of force. The extruded sealant provides a seal that will resist wind-blown water.

FASTENERS

The StratoShield Roof System does not have exposed through-fasteners that penetrate the roof membrane over the building envelope except at panel endlaps on roof runs that are longer than the length a panel can be shipped. Endlap fasteners: Only four (4) endlap fasteners will be required to seal the panel endlaps. Endlap fasteners will be oversized #17 fasteners to minimize potential for fastener strip out. All exposed fasteners are self-drilling and will not require special tools other than industry standard screw guns. Fasteners will have metal backed neoprene sealing washers with aluminum/zinc caps.

TESTING DATA

The StratoShield panel outperforms all known existing single skin trapezoidal roof systems in three of the leading tests for wind uplift resistance. These tests are UL 580 Class 90 Factory Mutual 4471; ASTM E1592. The StratoShield panel has also been tested in accordance with ASTM E1680, Rate of Air Leakage Through Exterior Metal Roof Panel Systems; and ASTM E1645, Water Penetration of Metal Roof Panel Systems.

PRODUCT NOTES

"Oil-canning", a slight waviness inherent in light gauge metal may exist in this panel. This minor waviness does not affect the finish or structural integrity of the panel and is therefore not a cause for rejection.

WARRANTY

Twenty year material and weather tightness warranties are available.

UL Construction Numbers: 552, 552A, 552B

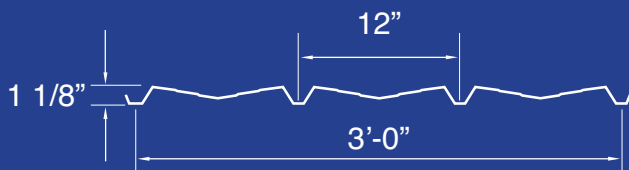
Galvalume® is an internationally recognized trademark of BIEC International, Inc., and its licensed producers.

ACI PBA PANEL

METAL ROOFING SYSTEMS



The PBA Panel is designed for wall, soffit and liner panel applications in architectural, commercial or industrial settings. The PBA Panel consists of fastening the panel utilizing through panel fastening and side lap installation. The panel has 1 1/8" major ribs space at 12" o.c., with total coverage of 36". Panels are fabricated from 22, 24, or 26 gauge steel. The Galvalume® coated or painted sheet will provide a long-lasting weathering membrane and has a proven weather resistance excess of 20 years.



Section Properties PBA Panel Profile

Section Properties: 36" wide, 50 ksi PBA Panel						
Gauge	Yield Stress (ksi)	Wt. (psf)	Steel Thickness (in.)	Total Thickness (in.)		
26	50	0.96	0.180	0.0196		
24	50	1.19	0.0227	0.0243		
22	50	1.41	0.0272	0.0288		
Ga.	Panel Top in Compression (Positive Bending)			Panel Bottom in Compression (Negative Bending)		
	I _x (in ⁴ /ft)	S _x (in ³ /ft)	M _{max} (in.kip s/ft)	I _x (in ⁴ /ft)	S _x (in ³ /ft)	M _{max} (in.kip s/ft)
26	0.0219	0.0322	1.1562	0.0168	0.0283	1.0154
24	0.029	0.0431	1.2915	0.0222	0.0381	1.0404
22	0.0387	0.057	1.7052	0.029	0.0531	1.566

PBA Maximum Total Uniform Loads in psf

Gauge	Span Type	Span (ft)							
		3.0	4.0	5.0	6.0	7.0	8.0	9.0	
26	1	54 /-86	23 /-48	12 /-31	7 /-21	4 /-16	3 /-12	2 /-10	
	2	73 /-75	42 /-42	27 /-27	16 /-19	10 /-14	7 /-11	5 /-8	
	3	90 /-94	43 /-53	22 /-34	13 /-24	8 /-17	5 /-13	4 /-10	
	4	84 /-88	46 /-48	24 /-32	14 /-22	9 /-16	6 /-12	4 /-9	

Gauge	Span Type	Span (ft)							
		3.0	4.0	5.0	6.0	7.0	8.0	9.0	
24	1	72 /-96	30 /-54	16 /-34	8 /-24	6 /-18	4 /-14	3 /-11	
	2	81 /-85	47 /-48	30 /-30	21 /-21	14 /-16	8 /-11	6 /-9	
	3	100 /-106	57 /-58	29 /-38	17 /-26	11 /-19	7 /-15	5 /-12	
	4	94 /-99	54 /-56	31 /-36	18 /-25	11 /-18	8 /-14	5 /-11	

Gauge	Span Type	Span (ft)							
		3.0	4.0	5.0	6.0	7.0	8.0	9.0	
22	1	94 /-126	39 /-71	20 /-46	12 /-32	7 /-23	5 /-18	4 /-14	
	2	113 /-118	65 /-66	42 /-42	28 /-28	18 /-22	18 /-22	8 /-13	
	3	138 /-147	83 /-75	38 /-53	22 /-37	14 /-27	14 /-27	7 /-16	
	4	130 /-137	75 /-77	41 /-49	26 /-34	15 /-25	15 /-26	7 /-15	

Notes on Section Properties:

- Section Properties have been calculated in accordance with Supplement 2004 to the North American Specification, 2001 Edition, for the Design of Cold-Formed Steel Structural Members.
- Steel Panels have a protective coating of either aluminum-zinc alloy or G-90 galvanizing.
- The base steel thickness was used in determining section properties.
- Minimum Yield Strength of 22 and 24 gauge steel 50,000 psi. Minimum Yield Strength of 26 gauge steel 80,000 psi.
- The deflection loads were calculated from a deflection limit of Span/180 for structural wall panels.
- The loads shown do not include allowance for the panel weight.
- Positive Load is applied inward toward the panel supports and is applied to the outer surface of the panel cross-section. Negative Load is applied in the opposite direction.

PHYSICAL DESCRIPTION

PBA panels, designed for exterior wall, soffit and liner panel applications, in architectural, commercial or industrial settings, consists of fastening the panel utilizing through panel fastening and side lap installation. The panel has 1 1/8" major ribs spaced at 12" o.c., with total coverage of 36". Panels are fabricated from 22, 24, or 26 gauge steel. The Galvalume® coated or painted sheet will provide a long-lasting weathering membrane and has a proven weather resistance in excess of 20 years.

PANEL

The panel will be fabricated from steel which is coated with Galvalume, and optional factory applied paint. Galvalume coated steel sheet will provide a long-lasting weathering membrane. Galvalume coating has a proven weather resistance in excess of 20 years.

PANEL AND FLASHING MATERIALS

PBA panels are made of 26 gauge steel (80,000 psi) and of 22 and 24 gauge steel, 50,000 psi minimum yield strength (ASTM A792-06a, Grade 50, Class 1), coated with AZ50 (minimum) aluminum/zinc alloy for painted finish or AZ55 aluminum/zinc alloy for unpainted finish.

The Flashing and trim will be 24 or 26 gauge steel 50,000 psi yield strength (ASTM A792, SS Grade 50, Class 1), coated with AZ50 (minimum) aluminum/zinc alloy for painted finish zinc or AZ55 aluminum zinc for unpainted finish.

SEALANTS

All sealants are a 100% solids, asbestos-free butyl tape sealant that is highly rubbery, tacky, reinforced compound designed for sealing metal lap joints. Application temperatures of the sealant is -5° F to 120° F and service temperatures from -40° F to 200° F.

FINISHES

PBA panels available in ACI 2000 (Advanced Exterior Finishes) and ACI 3000 (Premium 70% PVDF Coating System) colors. All ACI 2000 and ACI 3000 KYNAR finishes are provided by VALSPAR and come with extended finish warranties.

MAINTENANCE

Routine maintenance is required to maximize the life expectancy of the panel. Routine inspections of the walls, flashings, and fasteners insure that the investment will maximize performance of all new products.

FASTENERS

PBA panels may attach to secondary framing (girts) using self-drilling steel screws, #12 x 1 1/4" hex head w/neo washer. Fasteners available for use with up to 8" of blanket insulation. PBA stitch screws, screws at side laps, are 1/4" - 14 x 7/8" self-drilling screws w/neo washers.

PRODUCT NOTES

"Oil-canning," slight waviness inherent in light gauge metal may exist in this panel. This minor waviness does not affect the finish or structural integrity of the panel and is therefore not a cause for rejection.

WARRANTY

Up to 20-year material and paint finish warranty information available upon request. No Weather-tightness Warranty available.

Galvalume® is an internationally recognized trademark of BIEC International, Inc., and its licensed producers.

EXCELLENCE THROUGH EXPERIENCE. STRENGTH BY DESIGN.

ACI

BUILDING SYSTEMS, INC.

ARCHITECTURAL
COMMERCIAL
INDUSTRIAL





At ACI, we believe it is our responsibility to meet the tough demands of our customers and their construction schedules. ACI has the professional network of experienced, reliable and dedicated individuals working for one common goal of fulfilling customers' needs with uncompromising quality and efficiency. With thousands of projects delivered, ACI stands for teamwork and experience with an unparalleled record of consistently exceeding customer expectations.



EXCELLENCE THROUGH EXPERIENCE. STRENGTH BY DESIGN.

ACI spans the spectrum of facility requirements which includes single-story, multi-story, mini storage, wide-span and clear-span facilities. Whatever the need, ACI provides solutions with custom concept applications. ACI provides turnkey building systems working directly with the contractor, developer, and architect or engineering firm. We are your single source manufacturer. Furthermore, it is the mission of ACI Building Systems to be people-oriented as well as service-minded and quality-driven. We strongly believe in treating people the way we would like to be treated. Through our strong contractor network, we continue to strive for new and innovative methods for architectural, commercial and industrial construction. Combining innovation with a quality focus results in a successful building project.

When you surround yourself with quality, it shows.





Cost-effective solutions

ACI metal building systems offer cost-effective solutions, with attractive exteriors and functional interiors that define a professional business image. Businesses from vehicle dealerships to hotels have discovered the cost-effective advantages of metal building construction which retains practical features such as aesthetic appeal, structural strength and economy.

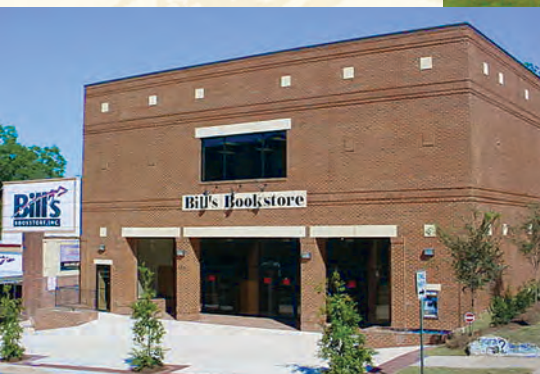


ARCHITECTURALLY-DESIGNED, ECONOMICALLY-MINDED

ACI Building Systems provide flexibility for an aesthetically pleasing working environment. Whether it's completely designed with metal or utilizes other materials like brick, stone, stucco or wood, ACI structures combine architecture with economy. Every ACI building ensures engineering excellence by utilizing the proper design and products tested to perform under extreme conditions.

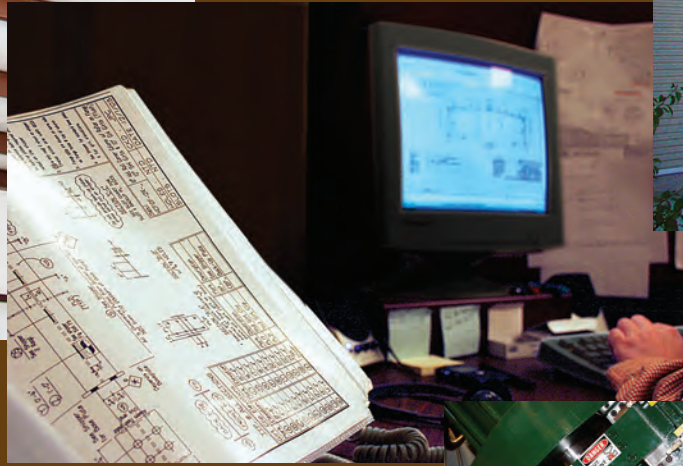


ARCHITECTURAL



State-of-the-art

Within our 270,000 sq. ft. facility, ACI employs the latest equipment, software and tools to manufacture every building and roofing project efficiently and accurately. Rolling mills, automatic welders, brake presses, and plasma cutters perfectly execute their task based on precise measurements input into each machine's dedicated computer. The result is a finished project that is erected on-site without costly delays.





SERVICEABILITY AND PROFESSIONALISM IN ONE SYSTEM

Building systems construction is as varied as individual businesses. Multi-story offices, schools, churches, strip malls or small independent retail outlets, ACI provides cost-effective construction. Flexible designs combined with the versatility of metal construction give your business the professional look you expect. With unlimited options for the use of metal panels, brick, stone and other construction materials the limitations are endless.



COMMERCIAL

Expect quality

ACI stresses quality at every step in the process of manufacturing your new facility. ACI meets the stringent certification requirements of the International Accreditation Service (IAS AC 472). This certification assures the owner that every ACI building offers the highest quality materials and structural integrity that our industry can provide. We pledge that your buildings are designed and manufactured using IAS guidelines following the strict procedures and conduct set forth in the AC 472 metal building certification criterion.



DESIGN & EFFICIENCY

As a business, you strive to be efficient in every way. So should your new facility. Expect your investment in an ACI building system to make economical business sense. Unparalleled products, service and support follow every building. We make a commitment to you to provide the most advanced building system in the industry.

ACI buildings are engineered for excellence in many ways to perform aesthetically, practically and safely. With millions of square feet exposed to virtually every weather condition, ACI buildings have proven trustworthy year after year. Architectural projects, commercial projects, or industrial projects afford a multitude of options for designing to your specific needs – curb appeal with functionality.



INDUSTRIAL



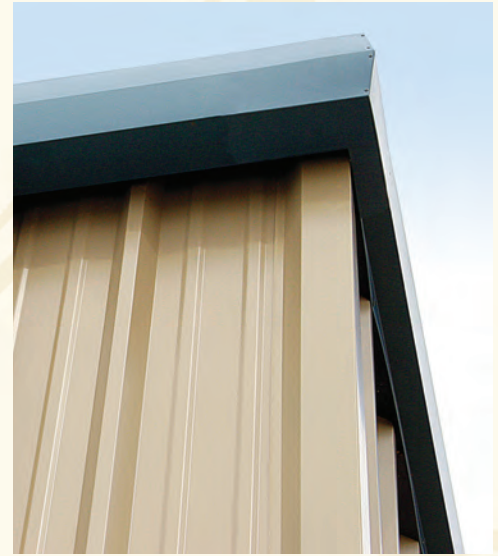
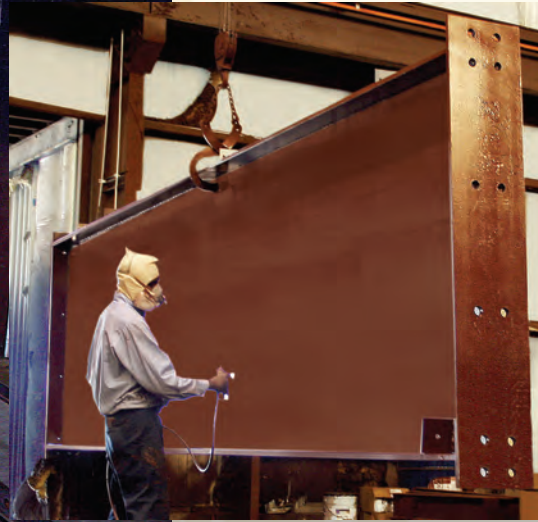
FROM PLANT TO JOB SITE

We make a commitment to you to deliver the most advanced building system in the industry. When we say deliver, we mean it. ACI lives up to our reputation for on-time building delivery. ACI's transportation fleet is our commitment to you to deliver on-site with uncommon service. Rest assured your building is in the hands of those dedicated to the job!



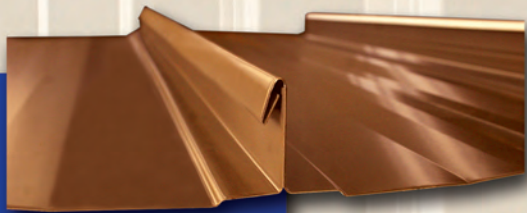
ACI
BATESVILLE, MS.

C5.5-TON

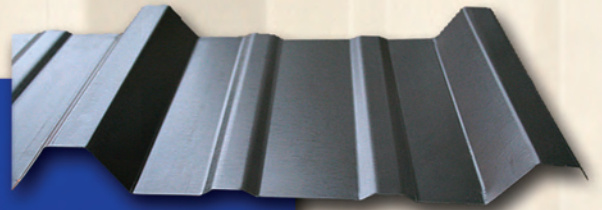


PANEL PROFILES

ACI provides a unique service through our Roofing Division with a full range of roof and wall panel profiles to enhance the performance and aesthetics of your new facility. ACI roofing systems provide the highest tested uplift ratings available resulting in a roof system you can trust. ACI Standing Seam roof panels have various profiles to match the proper application for steep slopes, hips and valleys, or architectural requirements. When it comes to new construction or adding a new roof to an existing facility, you can count on ACI's Building and Roofing Divisions to provide the proper design and systems approach to provide years of performance satisfaction.



ULTRALOK



PBR



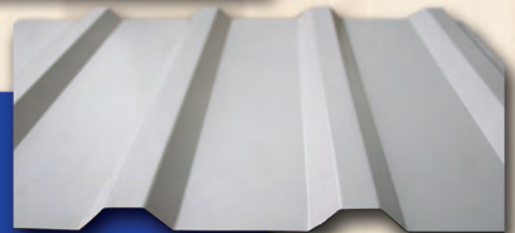
STRATOSHIELD



PBA



SNAPLOK



PBM



SWP



SUPERIOR RIB

ACI

BUILDING SYSTEMS, INC.

LET'S BUILD TOGETHER

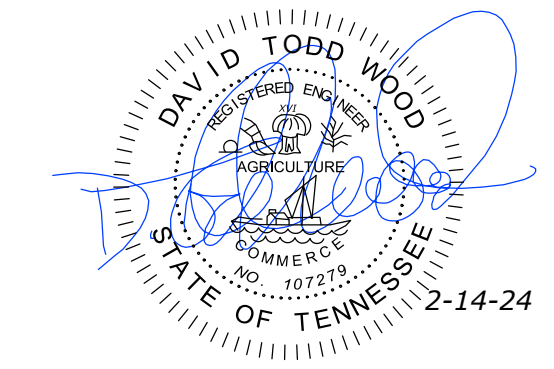
Let ACI create your new facility with lasting impressions! From commercial to industrial and everything in between, our experienced team of professionals have one common goal – to provide you with a facility that meets all of your needs with uncompromising quality and efficiency. Call ACI today to find out how we can save you time and money on your next building project.

Contact us today at:

ACI Building Systems, Inc.
Post Office Box 1316
10125 Highway 6 West
Batesville, Mississippi 38606

662-563-4574 Building Division
662-563-3613 Roofing Division
662-563-1142 Fax
www.acibuildingsystems.com





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SURVEY NOTE
 SURVEY INFORMATION PROVIDED BY:
 ALLEY & ASSOCIATES, INC.
 KINGSFORD, TN

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 Land Development Design & Consulting
 PO Box 4373, Johnson City, Tennessee 37602-4373
 423-791-4730 todd@dtwoodengineering.com

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 423-588-6200

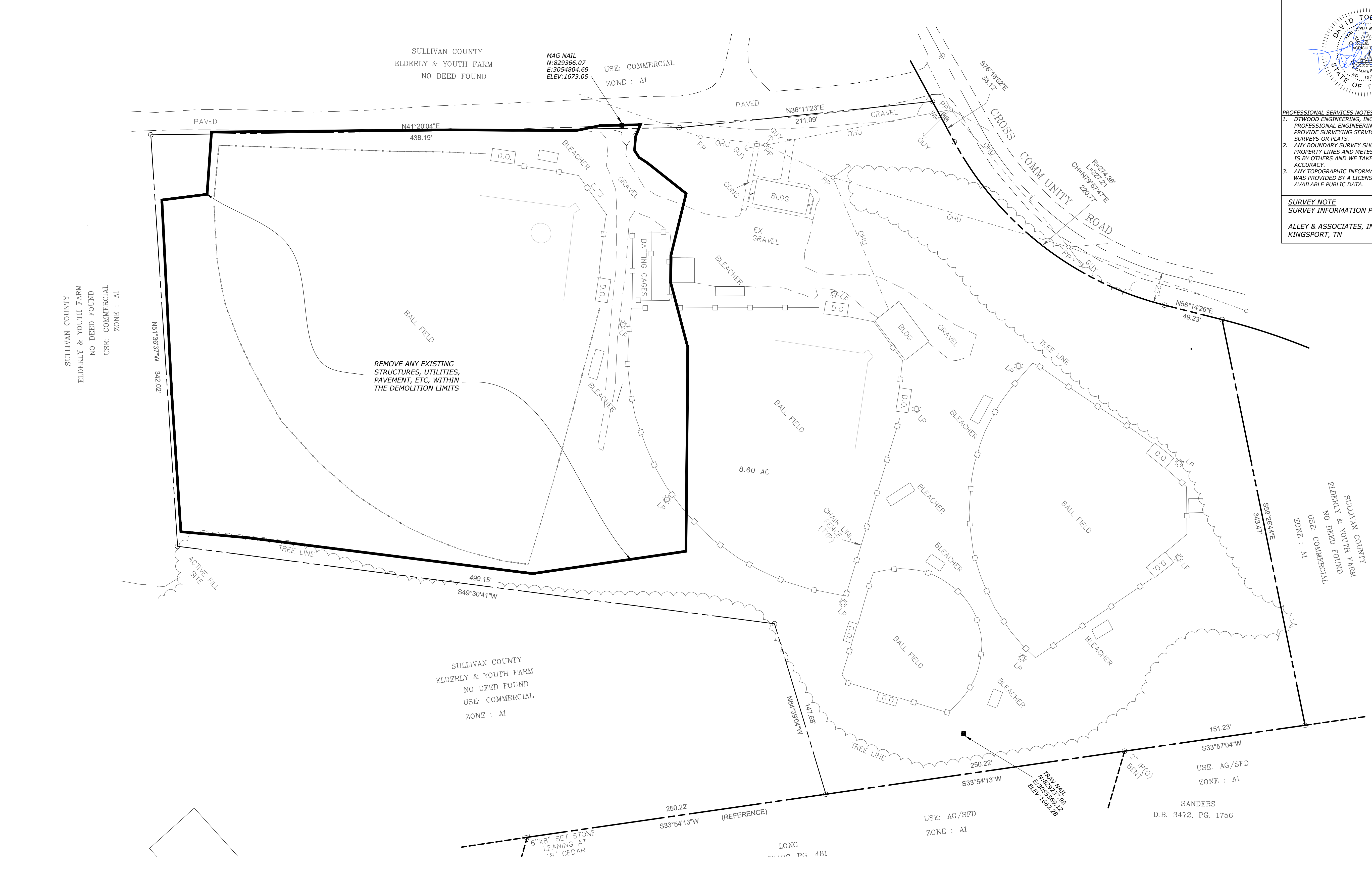
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NEW RECYCLING CENTER FOR:
SULLIVAN COUNTY, TN
 999 CROSS COMMUNITY ROAD
 BLOUNTVILLE, TN 37617

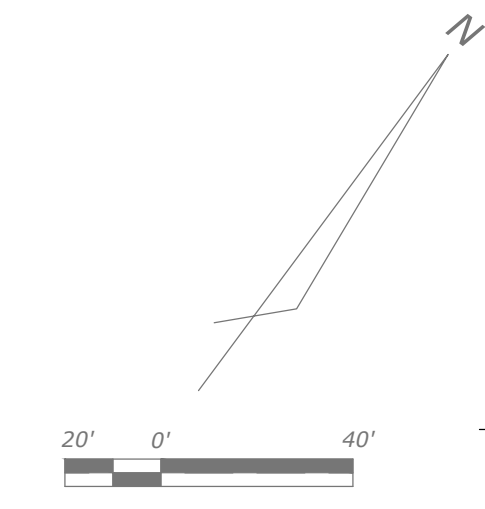
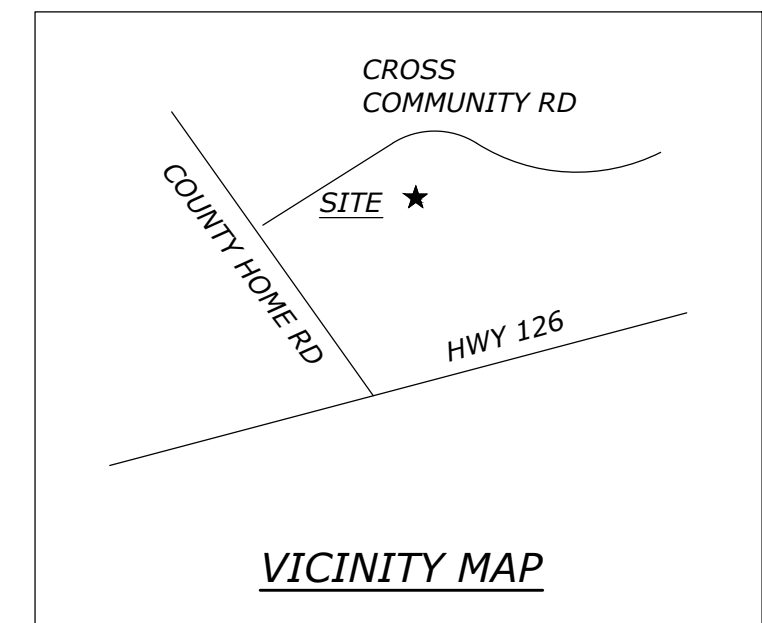
DRAWN BY: DTW
 DATE: 2-14-24
 PROJECT #: 23-023
 REVISIONS: NO. DATE

SHEET DESCRIPTION:
 DEMOLITION PLAN

SHEET NUMBER:
C0



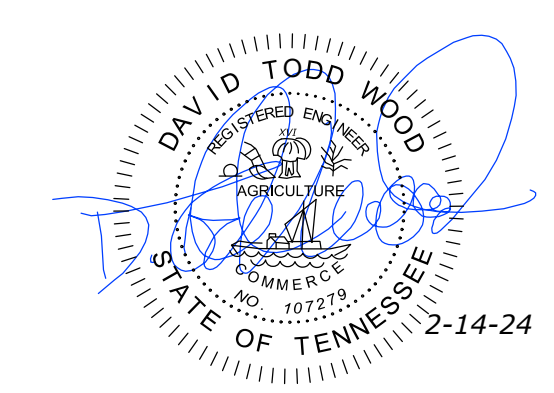
EXISTING UNDERGROUND UTILITIES
 CONTACT TENNESSEE ONE CALL AT 811 AT LEAST 3 DAYS BEFORE STARTING ANY EARTHWORK OR CONSTRUCTION FOR LOCATION OF EXISTING UNDERGROUND UTILITIES.



SHEET INDEX

C0	DEMOLITION PLAN
C1	SITE PLAN
C2	GRADING & DRAINAGE PLAN
C3	UTILITY PLAN
C4	EROSION & SEDIMENT CONTROL PLAN I
C5	EROSION & SEDIMENT CONTROL PLAN II
C6	SITE DETAILS

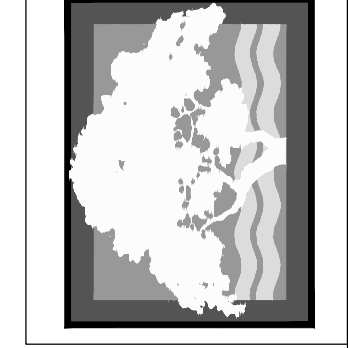
DEMOLITION PLAN C0



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COLLECTIVE
 ARCHITECTURE COMPANY

238 E. MARKET STREET
 KINGSFORD, TN 37080
 423.586.6200

NEW RECYCLING CENTER FOR:
SULLIVAN COUNTY, TN

999 CROSS COMMUNITY ROAD
 BLOUNTVILLE, TN 37617

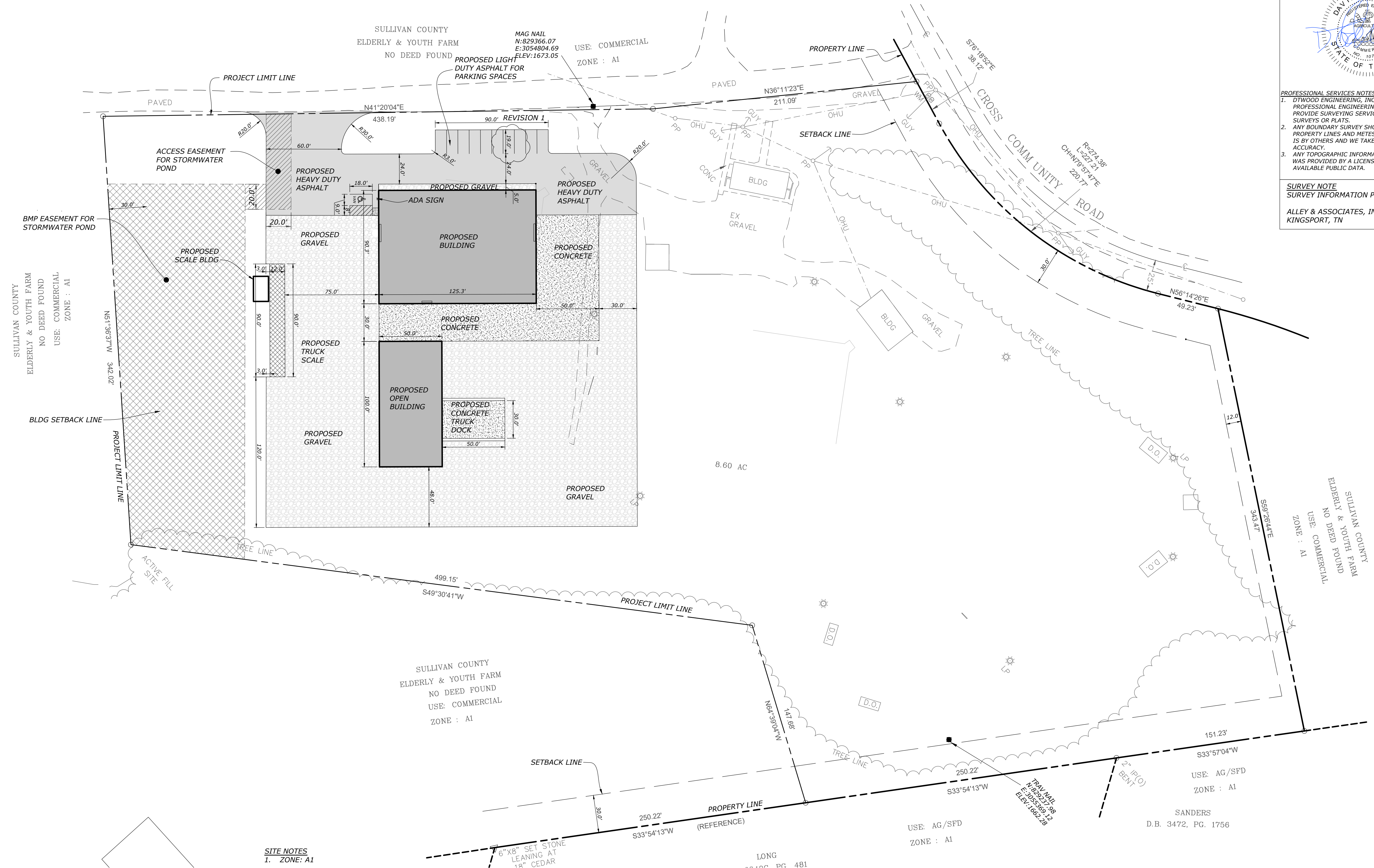
DRAWN BY: DTW
 DATE: 2-14-24
 PROJECT #: 23-023
 REVISIONS:

NO.	DATE
1	3-8-24

SHEET DESCRIPTION:
 SITE PLAN

SHEET NUMBER:
C1

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- SITE NOTES**
- ZONE: A1
 - SITE AREA: 8.6± ACRES
 - EXISTING USE: PARK/BALLFIELDS
 - PROPOSED USE:
 - RECYCLING CENTER
 - 10 EMPLOYEES
 - PARKING
 - REQUIRED: 1 PS/EMPLOYEE X 10 EMPLOYEES=10
 - PROVIDED: 11 INCLUDING 1 ADA SPACE
 - SETBACKS:
 - FRONT: 30'
 - REAR: 30'
 - SIDE: 12'
 - OWNER: SULLIVAN COUNTY
 - PROPERTY INFORMATION: TAX MAP 51, PARCEL 009.00
 - PROPERTY ADDRESS: 999 CROSS COMMUNITY RD
 - FLOODPLAIN NOTE
 - THERE IS NO FEMA FLOODPLAIN ONSITE

PAVING MATERIALS

STANDARD DUTY ASPHALT
 6" AGGREGATE BASE
 1.75" BINDER COURSE
 1.25" SURFACE COURSE

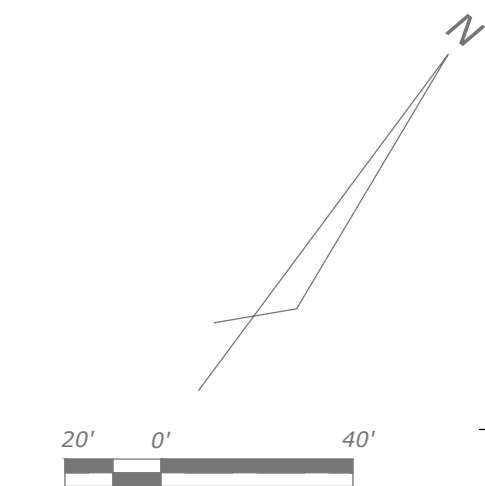
HEAVY DUTY ASPHALT
 8" AGGREGATE BASE
 3" BINDER COURSE
 1.25" SURFACE COURSE

GRAVEL DRIVES
 6" AGGREGATE BASE
 3" #57 STONE ON SURFACE

CONCRETE SIDEWALK
 4" AGGREGATE BASE
 4" 4000 PSI @28 DAYS CONCRETE

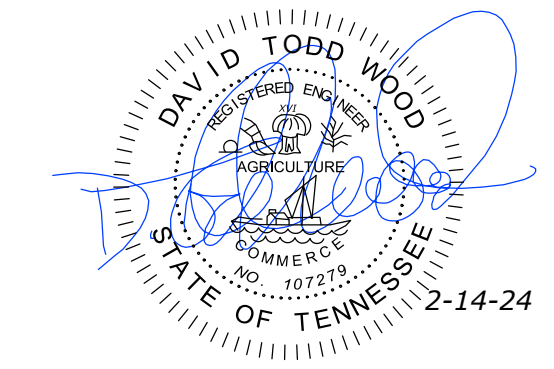
NOTE: FOR CONCRETE SLABS AND CONCRETE PAVING, SEE STRUCTURAL PLANS.

EXISTING UNDERGROUND UTILITIES
 CONTACT TENNESSEE ONE CALL AT 811 AT LEAST 3 DAYS BEFORE STARTING ANY EARTHWORK OR CONSTRUCTION FOR LOCATION OF EXISTING UNDERGROUND UTILITIES.



SITE PLAN

C1



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 Land Development Design & Consulting
 PO Box 4373, Johnson City, Tennessee 37602-4373
 423-791-4730 | todd@dtwoodengineering.com

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STORM DRAIN (SD) NOTES
 1. THE STORM DRAINS MAY BE CORRUGATED METAL PIPE (CMP) OR DOUBLE WALL HIGH DENSITY POLYETHYLENE PIPE (HDPE).
 2. THE STORM DRAIN INLETS AND MANHOLES MAY BE CONSTRUCTED USING DOUBLE ROW OF INTERLOCKING BRICK, PRECAST CONCRETE (PER DETAILS), OR PRECAST CONCRETE KNOCKOUT BOXES.
 3. ALL GRATES SHALL BE HEAVY DUTY.
 4. BACKFILL ALL TRENCHES UNDER PAVEMENT OR GRAVEL DRIVING SURFACE COMPLETELY WITH CRUSHED STONE OR AS SHOWN IN THE TRENCH DETAIL.
 5. ALL PIPE SIZES SHOWN ARE MINIMUM DIAMETER REQUIRED.

Adequate drainage, erosion and sediment control measures, best management practices, and/or other water quality management facilities shall be provided and maintained at all times during construction. Damages to adjacent property and/or the construction site caused by the contractor's or property owner's failure to provide and maintain adequate drainage and erosion/sediment control for the construction area shall be the responsibility of the property owner and/or contractor.

ROOF DRAIN (RD) NOTES
 1. CONFIRM EXACT LOCATION OF DOWNSPOUTS WITH ARCHITECT BEFORE INSTALLING ROOF DRAINS.
 2. ROOF DRAINS (RD) MAY BE SDR 35 PV, SCH40 PVC, OR DOUBLE WALL HDPE.
 3. ALL CONNECTIONS SHALL BE WATERTIGHT.
 4. PROVIDE REMOVABLE BOOT TO CONNECT DOWNSPOUT TO THE DRAIN PIPE.
 5. PROVIDE MINIMUM 6" COVER IN GRASS OR PLANTING AREAS. PROVIDE MINIMUM 1.5' OF COVER IN PAVEMENT AREAS.
 6. PROVIDE MINIMUM 1% SLOPE.
 7. BACKFILL ALL TRENCHES UNDER THE PAVEMENT COMPLETELY WITH CRUSHED STONE.

WATER QUALITY STORMWATER MANAGEMENT AS-BUILT
 AN AS-BUILT SURVEY OF THE POND MAY BE REQUIRED FROM A LICENSED SURVEYOR FOR THE ENGINEER TO REVIEW AND CERTIFY THAT THE WATER QUALITY DEVICES ARE CONSTRUCTED PER THE APPROVED PLANS.

POND EASEMENT NOTE
 THE PROPOSED EASEMENT AROUND THE STORMWATER POND SHALL BE PREPARED BY A LICENSED SURVEYOR AND SUBMITTED TO SULLIVAN COUNTY FOR APPROVAL AND RECORDING.

POND MAINTENANCE NOTE
 THE POND AND ACCESS TO IT SHALL BE MAINTAINED IN PERPETUITY BY THE PROPERTY OWNER IN ACCORDANCE WITH ALL COUNTY AND STATE REGULATIONS AND TECHNICAL MANUALS.

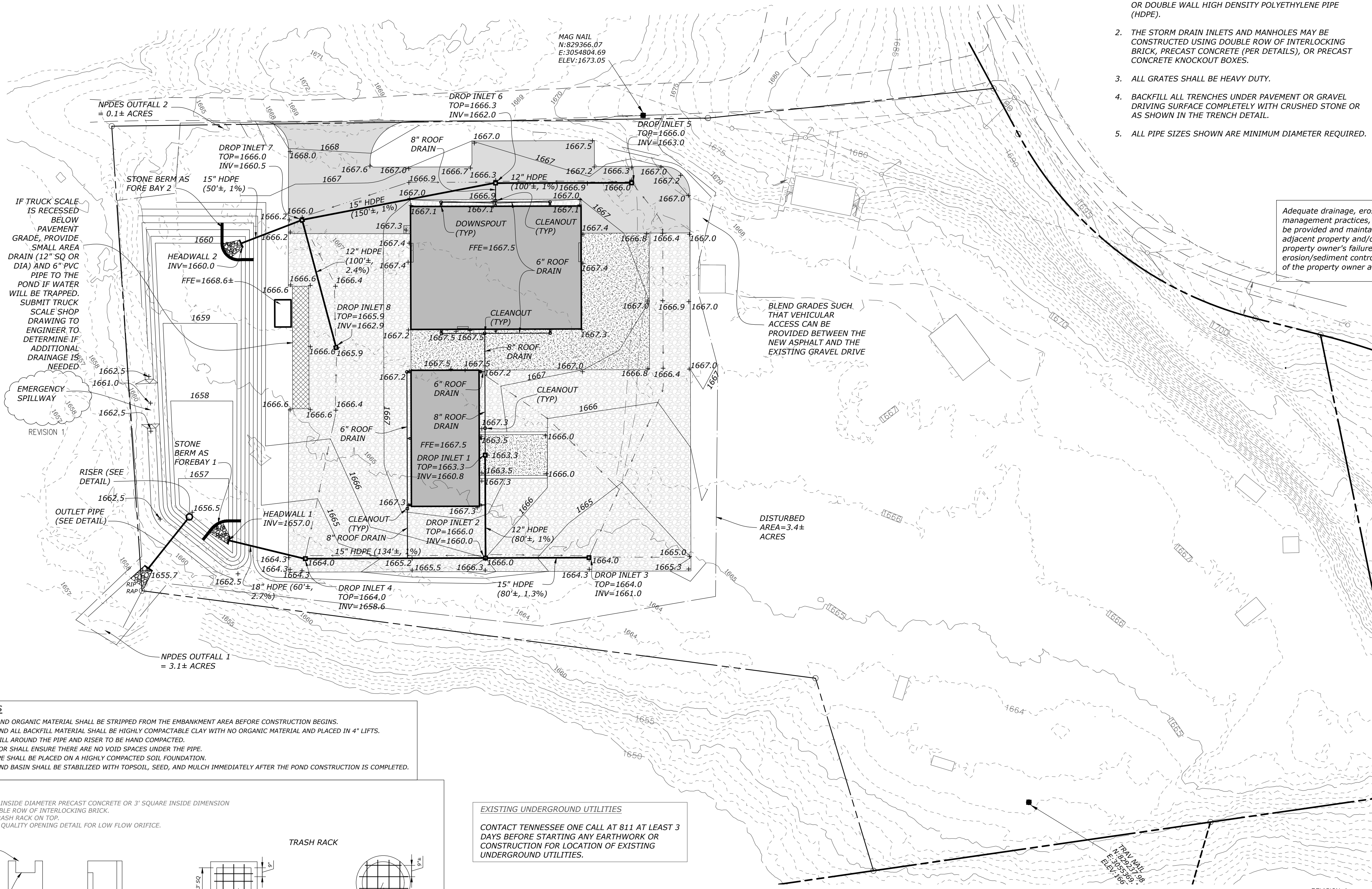
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NEW RECYCLING CENTER FOR:
SULLIVAN COUNTY, TN
 999 GROSS COMMUNITY ROAD
 BLOUNTVILLE, TN 37617

DRAWN BY: DTW
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 PROJECT #: 23-023
 REVISIONS:
 NO. DATE
 1 3-8-24

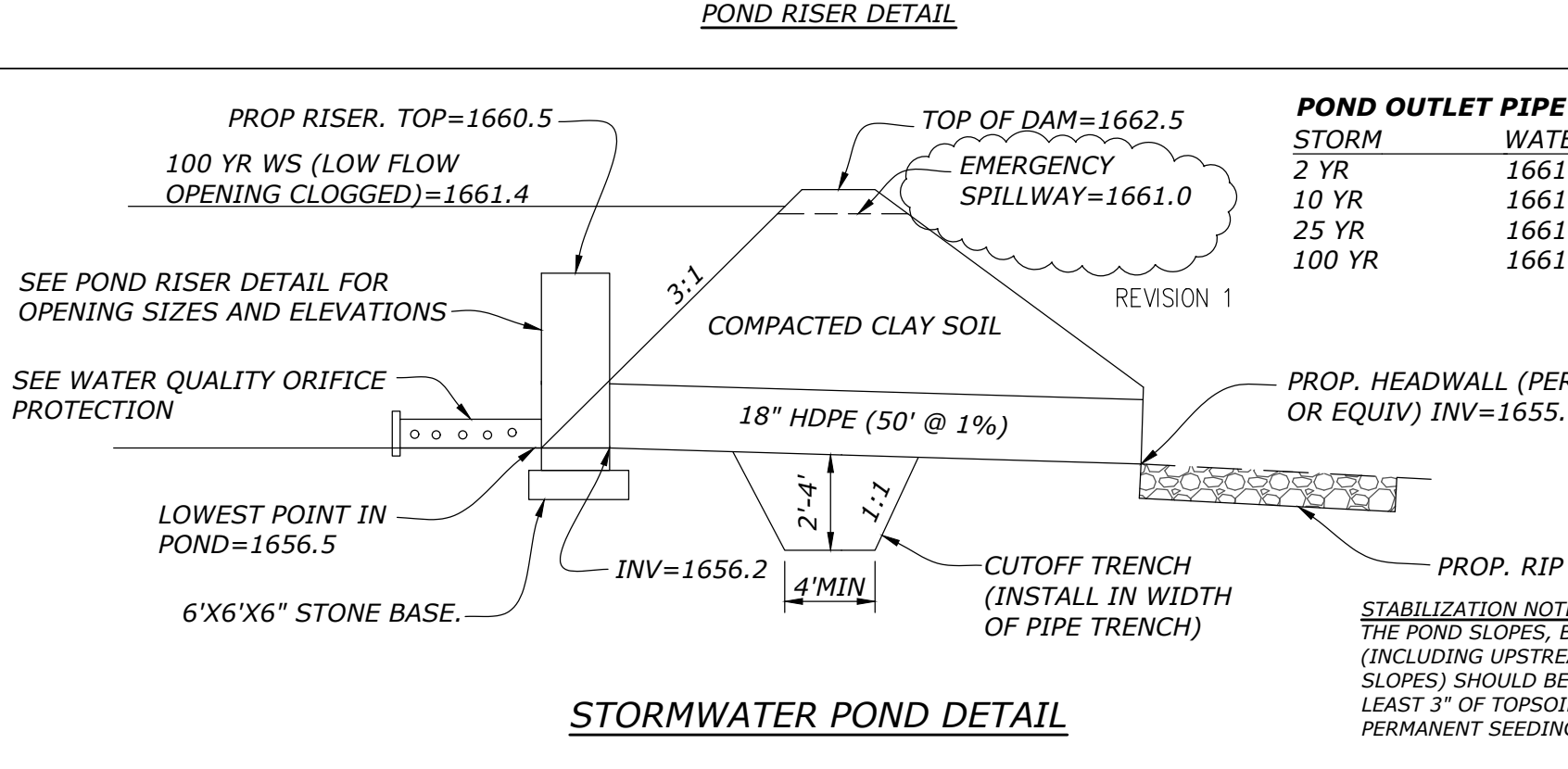
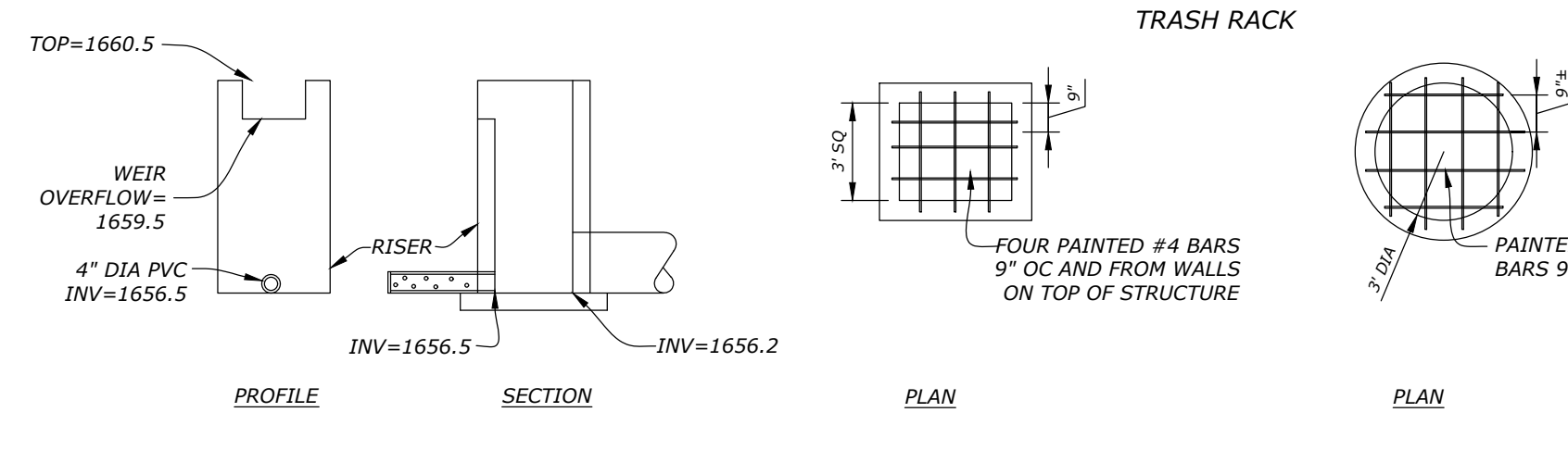
SHEET DESCRIPTION:
 GRADING PLAN

SHEET NUMBER:
C2



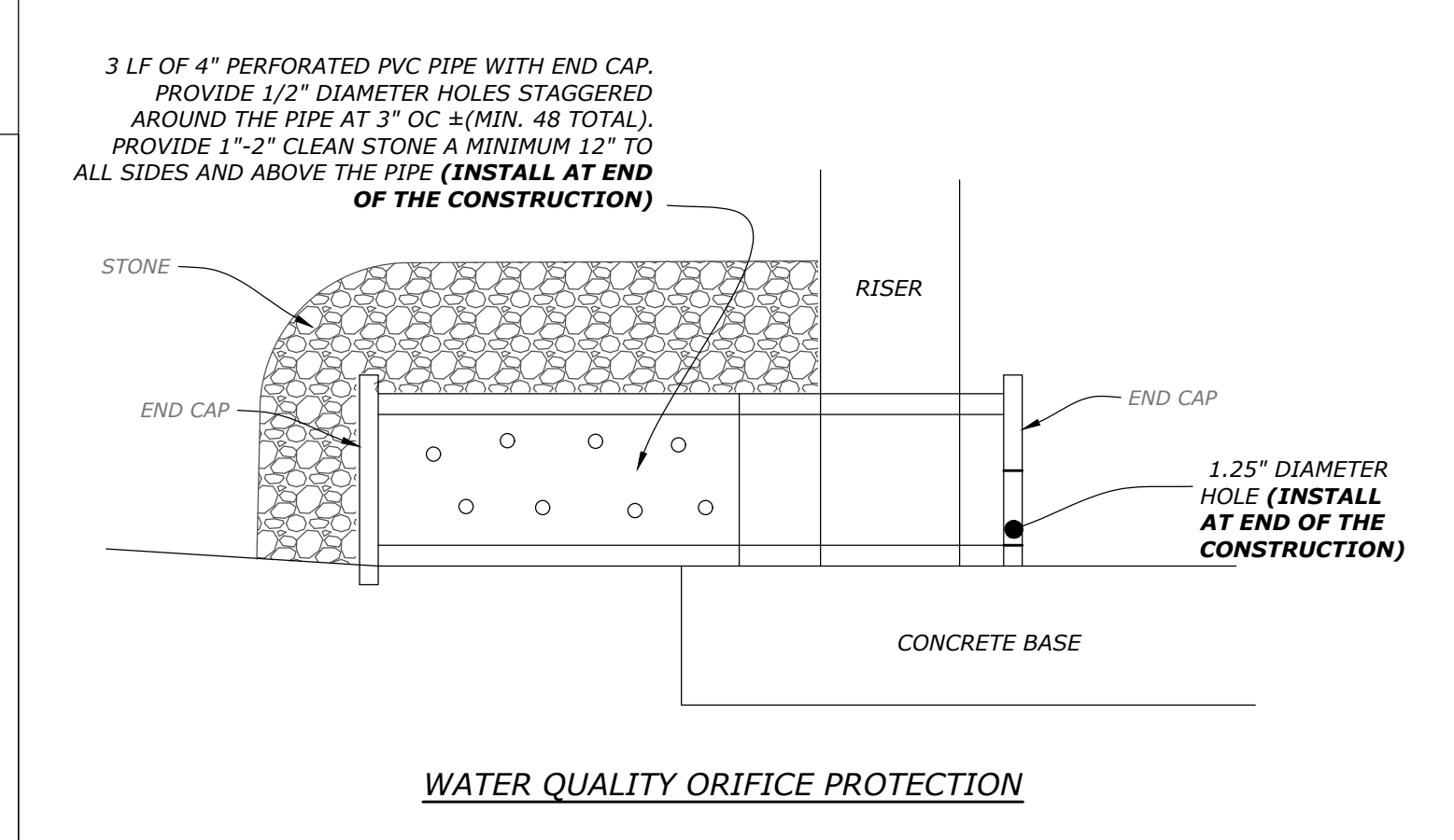
POND NOTES
 1. TOP SOIL AND ORGANIC MATERIAL SHALL BE STRIPPED FROM THE EMBANKMENT AREA BEFORE CONSTRUCTION BEGINS.
 2. THE DAM AND ALL BACKFILL MATERIAL SHALL BE HIGHLY COMPACTABLE CLAY WITH NO ORGANIC MATERIAL AND PLACED IN 4" LIFTS.
 3. THE BACKFILL AROUND THE PIPE AND RISER TO BE HAND COMPACTED.
 4. CONTRACTOR SHALL ENSURE THERE ARE NO VOID SPACES UNDER THE PIPE.
 5. OUTLET PIPE SHALL BE PLACED ON A HIGHLY COMPACTED SOIL FOUNDATION.
 6. THE DAM AND BASIN SHALL BE STABILIZED WITH TOPSOIL, SEED, AND MULCH IMMEDIATELY AFTER THE POND CONSTRUCTION IS COMPLETED.

NOTES:
 1. RISER IS 3" INSIDE DIAMETER PRECAST CONCRETE OR 3" SQUARE INSIDE DIMENSION USING DOUBLE ROW OF INTERLOCKING BRICK.
 2. PROVIDE TRASH RACK ON TOP.
 3. SEE WATER QUALITY ORIFICE DETAIL FOR LOW FLOW ORIFICE.



EXISTING UNDERGROUND UTILITIES
 CONTACT TENNESSEE ONE CALL AT 811 AT LEAST 3 DAYS BEFORE STARTING ANY EARTHWORK OR CONSTRUCTION FOR LOCATION OF EXISTING UNDERGROUND UTILITIES.

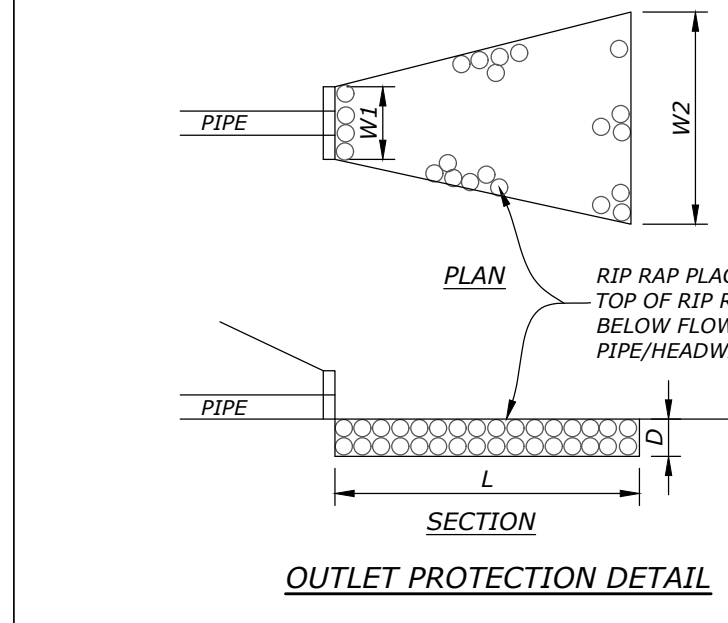
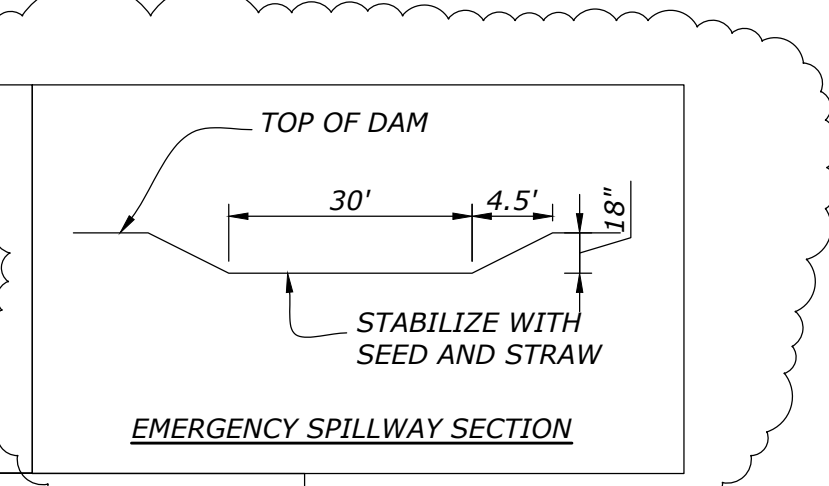
EROSION CONTROL NOTES
 1. DURING CONSTRUCTION, PROVIDE 4" PVC STUB BUT DO NOT INSTALL END CAPS, PERFORATED PIPE, OR STONE FILTER.
 2. PROVIDE STONE RING AROUND THE RISER FOR SEDIMENT CONTROL.
 3. ONCE SITE IS STABILIZED, REMOVE ACCUMULATED SEDIMENT, REMOVE STONE RING, STABILIZE SOILS IN THAT AREA, AND INSTALL THE PERFORATED PIPE, STONE FILTER, END CAPS, AND THE SMALL DIAMETER HOLE IN THE END CAP.



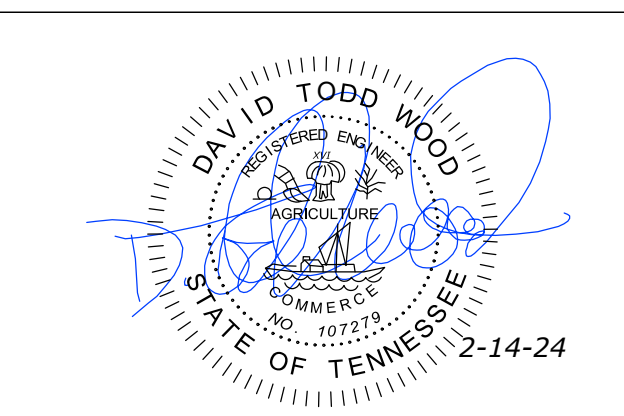
RIP RAP SCHEDULE

PIPE	D50	Dmax	D	L	W1	W2
15"	4"	6"	9"	10'	4'	10'
18"	4"	6"	9"	10'	5'	10'

NOTES:
 1. PLACE ON FILTER CLOTH.
 2. STONE SHALL NOT BLOCK FLOW OF WATER FROM PIPE OR OTHER SURFACE.
 3. SEE OUTLET PROTECTION DETAIL.

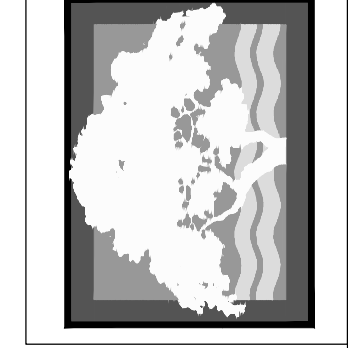


GRADING PLAN



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COLLECTIVE
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 238 E. MARKET STREET
 MEMPHIS, TN 38103
 423.986.6200

SULLIVAN COUNTY, TN
 999 CROSS COMMUNITY ROAD
 BLOUNTVILLE, TN 37617

NEW RECYCLING CENTER FOR:
SULLIVAN COUNTY, TN

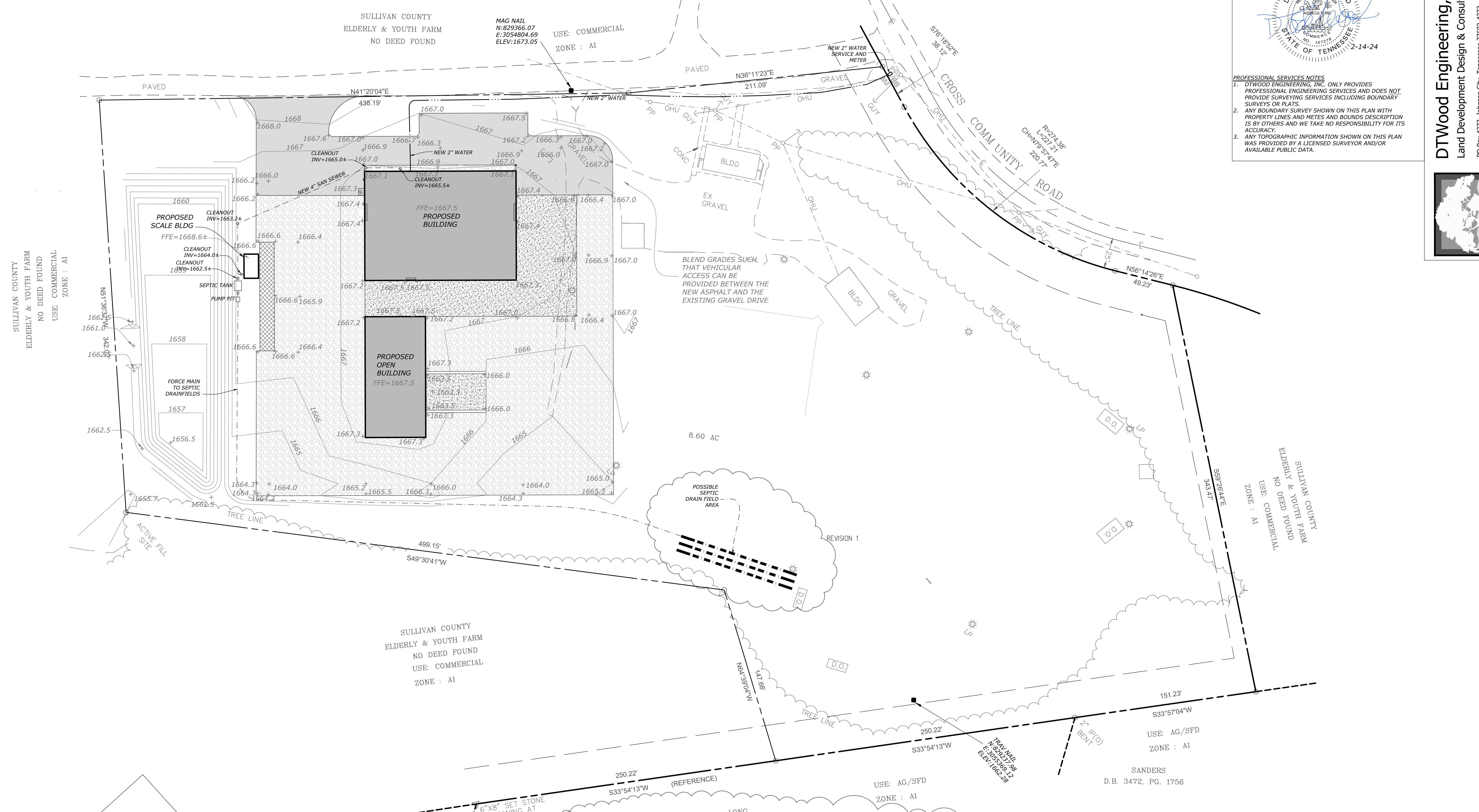
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1	3-8-24

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SEAL:

UTILITY PLAN

C3



WATER NOTES
 1. ONSITE WATER LINES ARE PRIVATELY MAINTAINED.
 2. THE 2" WATER LINES MAY BE FLEX POLYETHYLENE OR HDPE PIPE RATED FOR PRESSURE WATER PIPE SUCH AS ADS FLEXPIPE, AQUAPEX, OR OTHER APPROVED.
 3. PROVIDE MINIMUM 30" OF COVER FOR DOMESTIC WATER LINES.
 4. PROVIDE BACKFLOW PREVENTER, MEETING WATER SYSTEM REGULATIONS AND SPECIFICATIONS, INSIDE THE BUILDING. PROVIDE SHOP DRAWING FOR APPROVAL BY WATER SYSTEM.

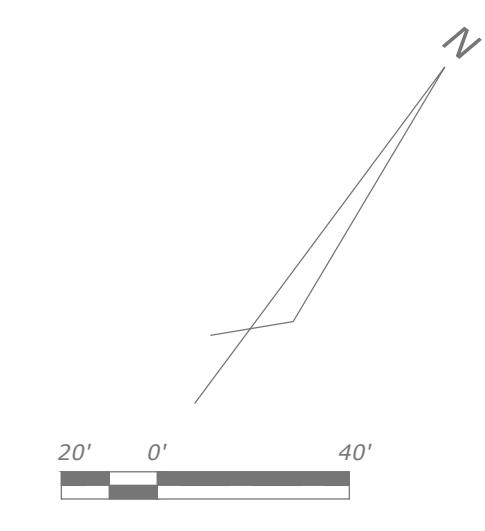
SEWER NOTE
 1. SEWER LINES ONSITE ARE TO PRIVATELY MAINTAINED.
 2. SEWER LINES TO BE SDR-35 PIPE BACKFILLED WITH STONE OR AS ALLOWED BY JOHNSON CITY CODES.
 3. IF CLEANOUTS ARE LOCATED IN PAVEMENT AREAS THEY SHALL BE TRAFFIC BEARING.
 4. PROVIDE CLEANOUTS AT EVERY BEND AND 100' OR CLOSER.
 5. VERIFY ALL EXISTING SEWER LOCATIONS AND DEPTHS BEFORE ORDERING SEWER PIPE. CONTACT ENGINEER IMMEDIATELY WITH ANY CONFLICTS.

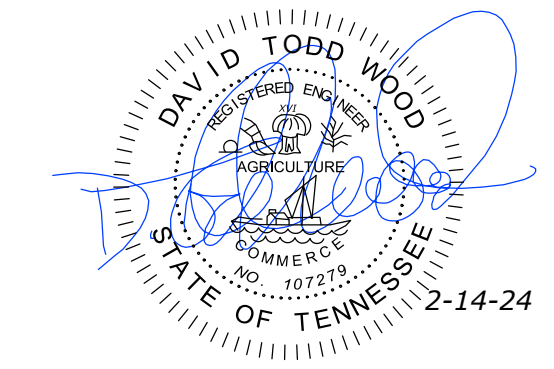
SEPTIC NOTES
 BELOW IS GENERAL INFORMATION FOR BIDDING PURPOSES ONLY PROVIDED BY STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION.

COMPLETE SEWER SYSTEM IS TO BE INCLUDED IN THE CONSTRUCTION PACKAGE AND INCLUDED IN THE BID PRICE INCLUDING SEWER LINES, SEPTIC TANK, EFFLUENT PUMP PIT, DUPLEX EFFLUENT PUMPS WITH CONTROLS, PIPING FROM EFFLUENT PUMP SYSTEM TO FIELD BEDS, FIELD BEDS AND ALL APPURTENANT ITEMS AS DESCRIBED ON THE DRAWINGS.

- NUMBER OF PEOPLE=10
- GPD=25 GPD/PERSON X 10=250 GPD
- SEPTIC TANK=750 GALLONS
- DRAINFIELD LINE LENGTH=250'
- PUMP AND FORCE MAIN
 - EFFLUENT PUMP PACKAGE SHALL INCLUDE 2HP DUPLEX PUMP SYSTEM,
 - 36" DIAMETER BY 48" DEEP BASIN WITH 4" INLET AND 1" DISCHARGE,
 - WEATHERPROOF UL LISTED PUMP CONTROL PANEL WITH VISUAL AND AUDIBLE TROUBLE ALARM WITH LEVEL CONTROL AND AUTO PUMP ALTERNATION, STAND FOR CONTROL PANEL AND ALL APPURTENANT ITEMS FOR A COMPLETE OPERATIONAL PUMP SYSTEM. PUMP SYSTEM SHALL BE BY LIBERTY PUMPS, ZOELLER, OR ENGINEER APPROVED EQUAL. COORDINATE PUMP SIZE AND MODEL NUMBER WITH ENGINEER ONCE EXACT LOCATION OF FIELD BEDS HAVE BEEN LOCATED.
 - PROVIDE 1" HDPE BUTT FUSED PIPE TO FIELD BEDS FROM EFFLUENT PUMP APPROXIMATELY 600'.
 - PROVIDE AND INSTALL A CIRCUIT FOR THE SEWER PUMP CONSISTING OF A 30 AMP 2 POLE BREAKER, 3#10 COPPER CONDUCTORS IN 3/4" CONDUIT FROM THE PANELBOARD SHOWN ON THE PLANS TO THE LOCATION SHOWN ON THE SITE PLAN.
 - CONNECT PUMP EQUIPMENT CONTROL PANEL AND ALL PUMP RELATED ITEMS PER MANUFACTURERS RECOMMENDATIONS.
 - PROVIDE AND INSTALL A CIRCUIT FOR THE SEWER PUMP WEATHERPROOF GFCT OUTLET CONSISTING OF A 20 AMP SINGLE POLE BREAKER, 3#10 COPPER CONDUCTORS IN 3/4" CONDUIT FROM THE PANEL BOARD SHOWN ON THE PLANS TO NEAR THE PUMP STATION SHOWN ON THE SITE PLAN.

EXISTING UNDERGROUND UTILITIES
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PROFESSIONAL SERVICES NOTES
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 Land Development Design & Consulting
 PO Box 4373, Johnson City, Tennessee 37602-4373
 423-791-4730 todd@dtwoodengineering.com

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238 E. MARKET STREET
 KINGSFORD, TN 37080
 423.586.6200

CONTRACTOR SHALL INSPECT ALL EXISTING CONDITIONS TO ENSURE NO DISCREPANCIES WITH CONSTRUCTION DOCUMENTS. LAYOUT WALLS AND VERIFY ALL CRITICAL DIMENSIONS ARE CORRECT PRIOR TO CONSTRUCTION. ANY ISSUES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.

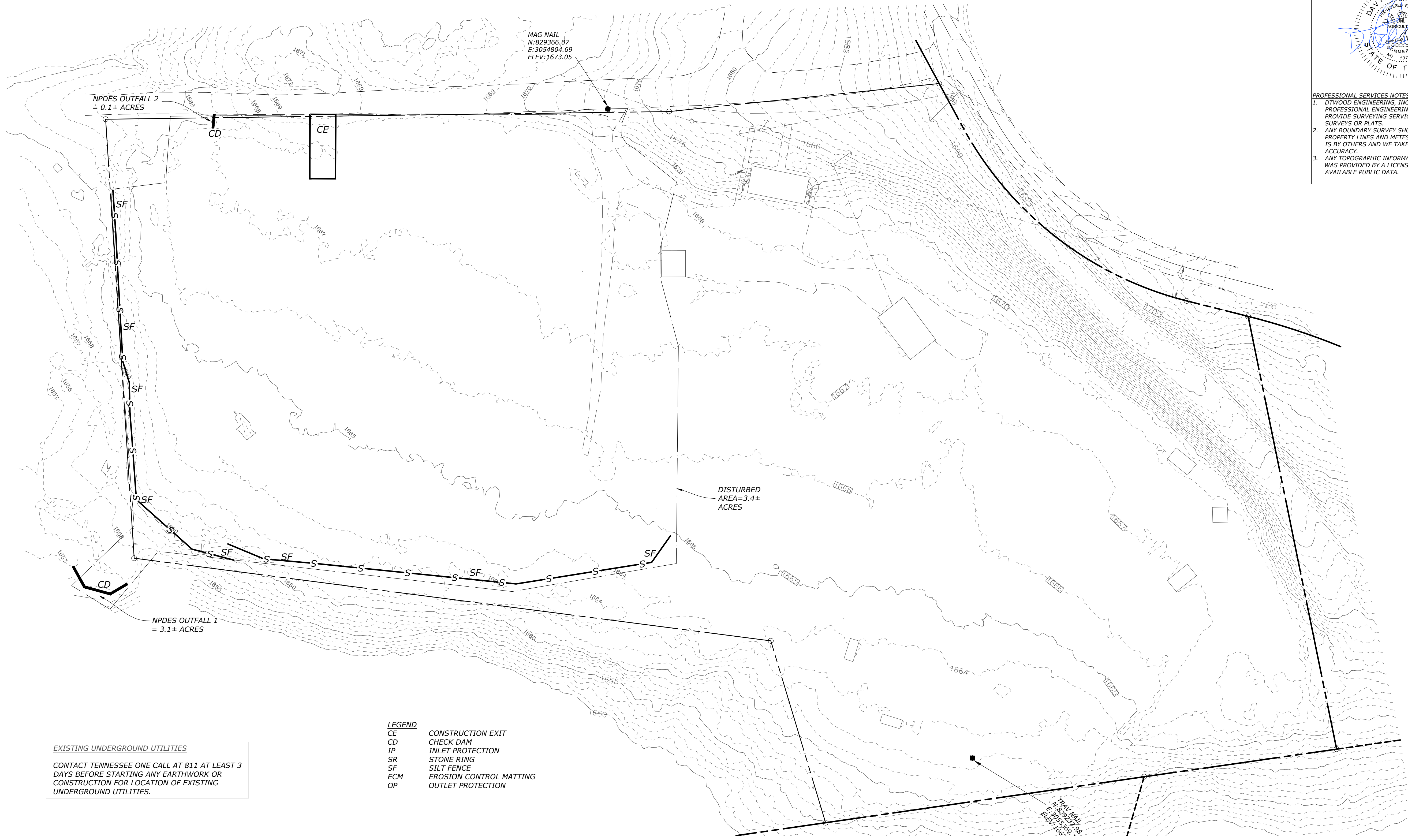
NEW RECYCLING CENTER FOR:
SULLIVAN COUNTY, TN

999 GROSS COMMUNITY ROAD
 BLOUNTVILLE, TN 37617

DRAWN BY: DTW
 DATE: 2-14-24
 PROJECT #: 23-023
 REVISIONS:
 NO. DATE

SHEET DESCRIPTION:
 EP & SC PLAN I

SHEET NUMBER:
C4



EXISTING UNDERGROUND UTILITIES
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LEGEND

CE	CONSTRUCTION EXIT
CD	CHECK DAM
IP	INLET PROTECTION
SR	STONE RING
SF	SILT FENCE
ECM	EROSION CONTROL MATTING
OP	OUTLET PROTECTION

STABILIZATION NOTE
 STABILIZE POND SLOPES, SWALES, AND ALL SLOPES STEEPER THAN 3:1 WITH EROSION CONTROL MATTING (NORTH AMERICAN GREEN S75 FOR SLOPES AND SC150 FOR SWALES OR EQUIVALENT) AND PERMANENT SEEDING. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

TEMPORARY SEED MIX
 1. APPLY EVENLY DISTRIBUTED MIX OF ANNUAL RYE, KOREAN LESPEDEZA, AND SUMMER OATS AT 50#/ACRE (OR AS DIRECTED BY SEED SPECIALIST).
 2. IF SEEDED FROM NOVEMBER THROUGH FEBRUARY, APPLY CEREAL RYE AT 50#/ACRE. IN MARCH, APPLY THE ABOVE MIX IF THE AREA WILL CONTINUE TO BE TEMPORARILY UNDISTURBED.

PERMANENT SEED MIX
 1. APPLY 100% KY31 TALL FESCUE AT 150#/ACRE (OR AS DIRECTED BY SEED SPECIALIST).
 2. IF SEEDED FROM NOVEMBER THROUGH FEBRUARY, ADD CEREAL RYE AT 50#/AC TO THE ABOVE MIX.

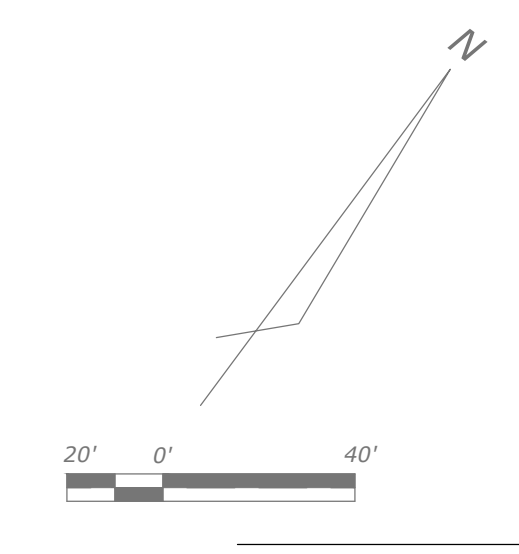
STORMWATER POLLUTION PREVENTION PLAN NOTE
 THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), THE NOTICE OF COVERAGE (NOC), THE INSPECTION LOGS (IF DRAINING TO AN IMPAIRED STREAM), AND THE APPROVED SET OF SITE DEVELOPMENT CONSTRUCTION PLANS SHALL BE KEPT ONSITE AND AVAILABLE TO INSPECTORS DURING ALL NORMAL WORKING HOURS.

EP&SC MAINTENANCE NOTE
 1. REMOVE ACCUMULATED SEDIMENT FROM STONE RINGS, SILT FENCE, AND SEDIMENT BASIN BEFORE IT REACHES 50% OF THEIR HEIGHT.
 2. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PREVENT SEDIMENT AND CONSTRUCTION RELATED DEBRIS FROM ENTERING A PUBLIC STREET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY SEDIMENT AND/OR DEBRIS THAT ENTERS A PUBLIC STREET AT THE END OF EACH DAY.

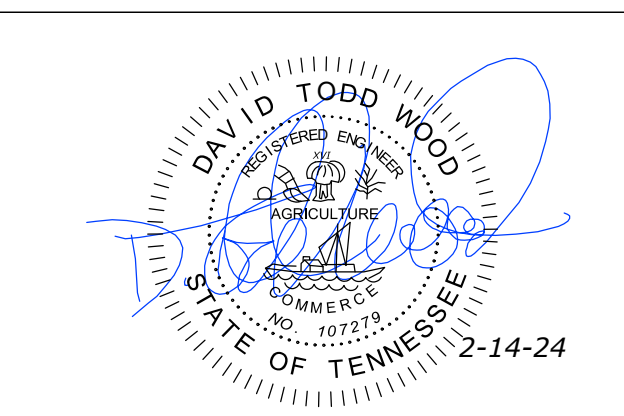
Adequate drainage, erosion and sediment control measures, best management practices, and/or other water quality management facilities shall be provided and maintained at all times during construction. Damages to adjacent property and/or the construction site caused by the contractor's or property owner's failure to provide and maintain adequate drainage and erosion/sediment control for the construction area shall be the responsibility of the property owner and/or contractor.

SEQUENCE OF CONSTRUCTION

1. INSTALL STONE CONSTRUCTION EXIT, SILT FENCE, AND CHECK DAM.
2. ROUGH GRADE THE SITE. TEMPORARILY STABILIZE WITHIN 14 DAYS THOSE DISTURBED AREAS THAT WILL HAVE NO GRADING ACTIVITY FOR MORE THAN 14 DAYS. FOR SLOPES STEEPER THAN 3:1, TEMPORARILY STABILIZE WITHIN 7 DAYS THOSE AREAS THAT GRADING ACTIVITY HAS TEMPORARILY CEASED.
3. CONTINUE TO GRADE THE SITE AND CONSTRUCT THE POND. INSTALL STONE RING AT RISER.
4. INSTALL THE STORM DRAIN SYSTEM. INSTALL INLET PROTECTION AND OUTLET PROTECTION.
5. CONSTRUCT THE BUILDINGS, DRIVES, PARKING, AND UTILITIES.
6. FINALIZE THE GRADING. PERMANENTLY STABILIZE ALL DISTURBED AREAS WITHIN 14 DAYS OF COMPLETING THE FINAL GRADING. FOR SLOPES STEEPER THAN 3:1, PERMANENTLY STABILIZE WITHIN 7 DAYS THOSE AREAS THAT GRADING ACTIVITY HAS BEEN COMPLETED.
7. ONCE ALL DISTURBED AREAS ARE STABILIZED WITH A THICK STAND OF GRASS OR OTHER VEGETATION, PERFORM FOLLOWING:
 - 7.1. REMOVE STONE RING AND ACCUMULATED SEDIMENT FROM THE POND AND THEN STABILIZE ANY REMAINING DISTURBED AREAS
 - 7.2. REMOVE EROSION AND SEDIMENT CONTROL DEVICES
 - 7.3. PROVIDE PERFORATED PIPE, END CAPS, SMALL HOLE INSIDE RISER FOR END CAP, AND STONE FILTER FOR WATER QUALITY DEVICE AT BOTTOM OF THE RISER.

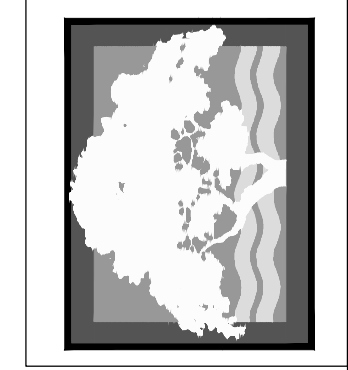


EP & SC PLAN I **C4**



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COLLECTIVE
 ARCHITECTURE COMPANY

238 E. MARKET STREET
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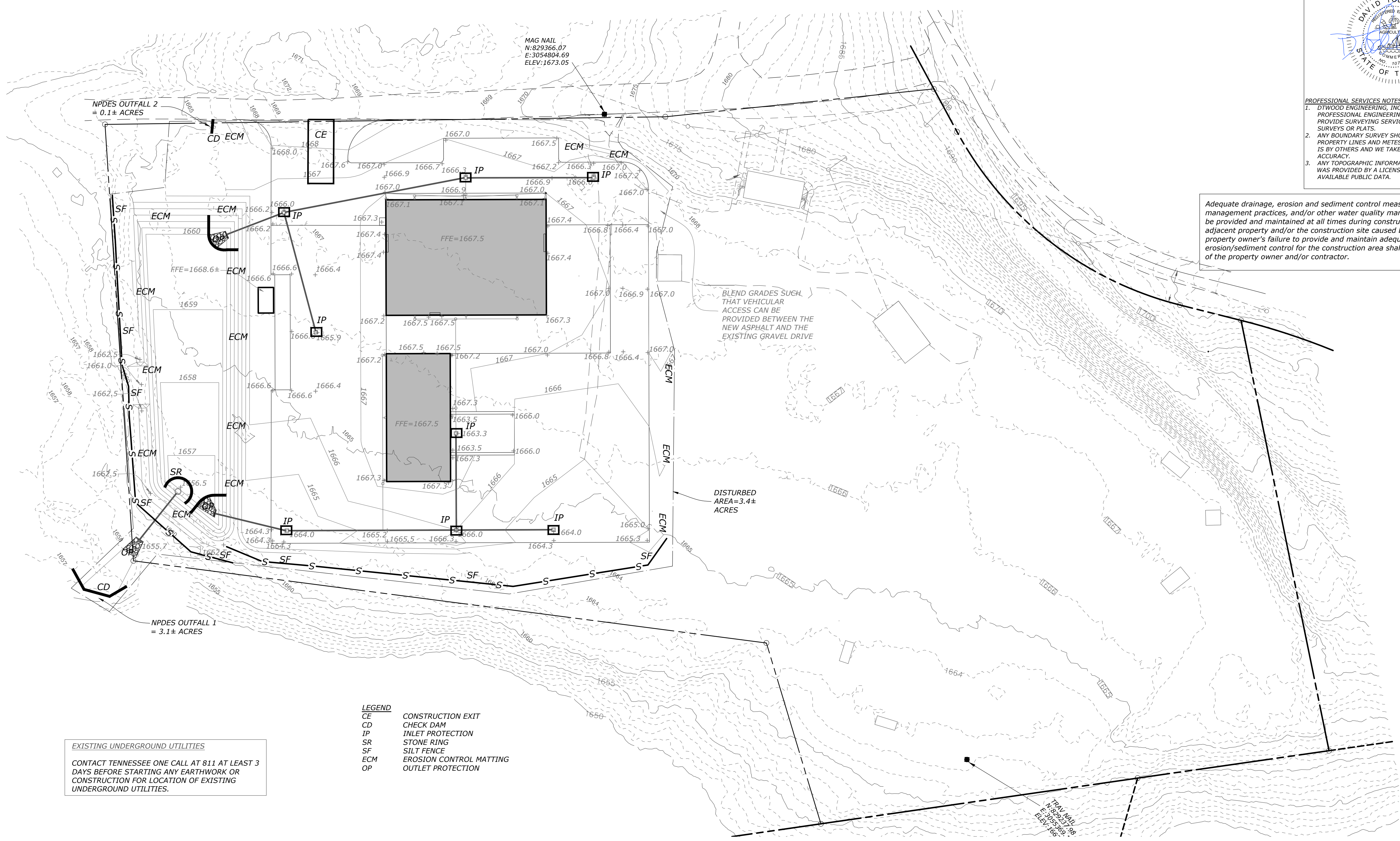
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NEW RECYCLING CENTER FOR:
SULLIVAN COUNTY, TN
 999 GROSS COMMUNITY ROAD
 BLOUNTVILLE, TN 37617

DRAWN BY: DTW
 DATE: 2-14-24
 PROJECT #: 23-023
 REVISIONS: NO. DATE

SHEET DESCRIPTION:
 EP & SC PLAN II

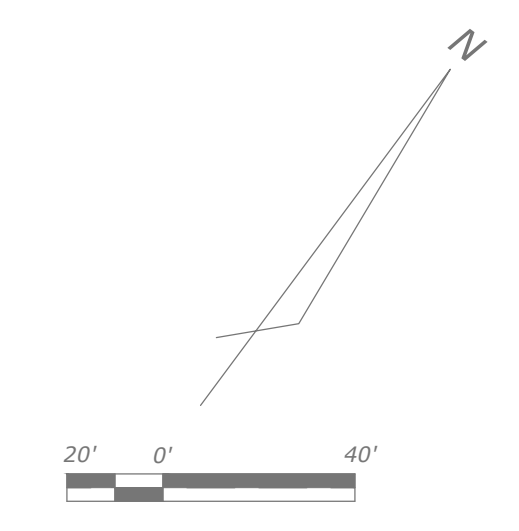
SHEET NUMBER:
C5



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LEGEND

CE	CONSTRUCTION EXIT
CD	CHECK DAM
IP	INLET PROTECTION
SR	STONE RING
SF	SILT FENCE
ECM	EROSION CONTROL MATTING
OP	OUTLET PROTECTION

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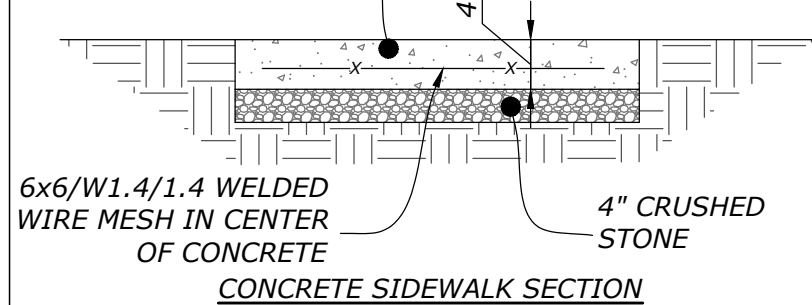
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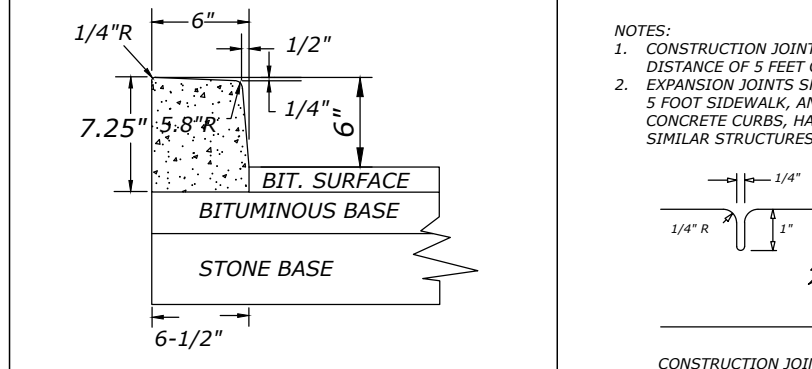
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NOTES:
 1. WIDTH AS SHOWN ON PLANS.
 2. PROVIDE EXPANSION AND CONSTRUCTION JOINTS.
 4000 PST CONCRETE WITH BROOM FINISH



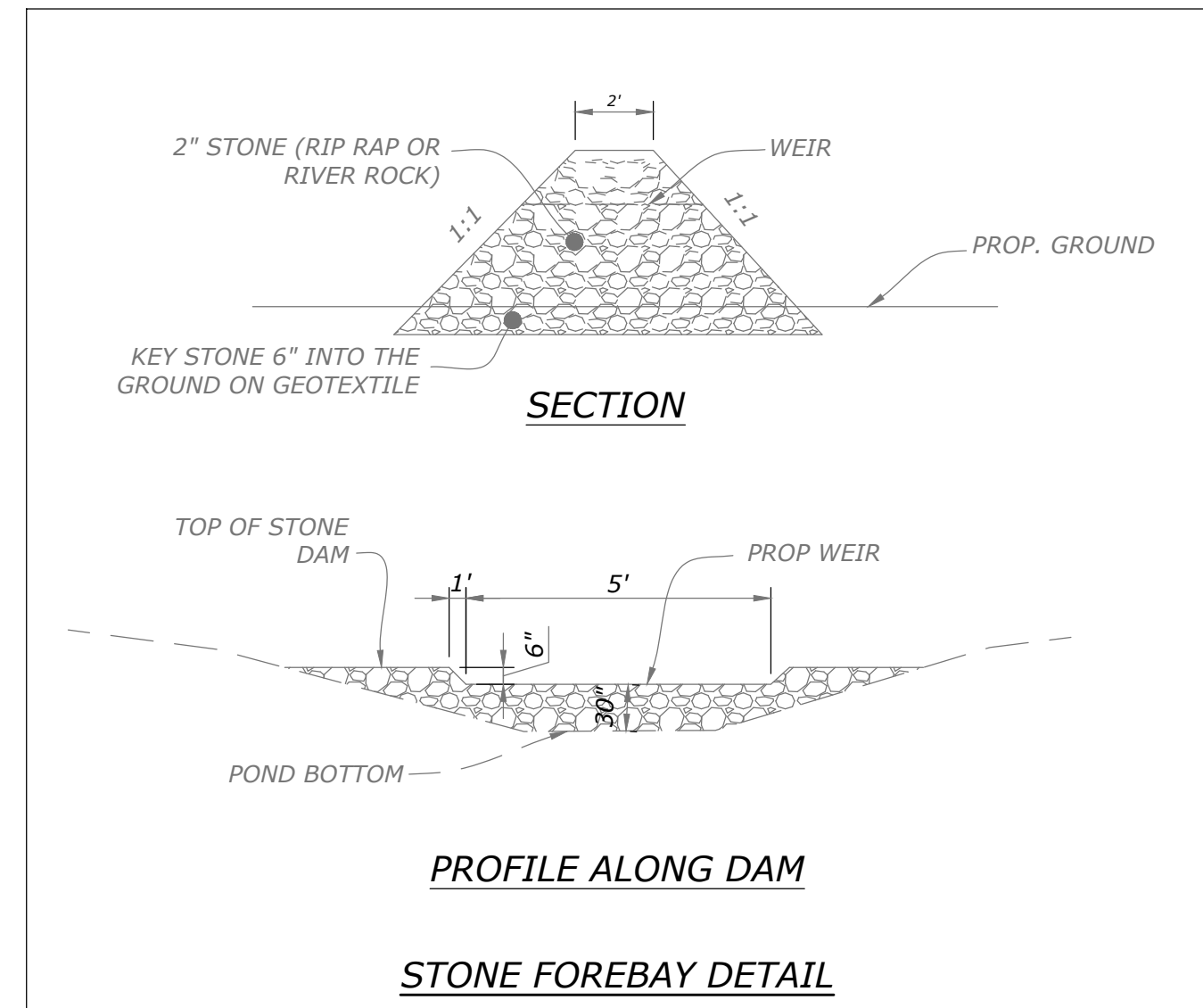
CONCRETE SIDEWALK SECTION



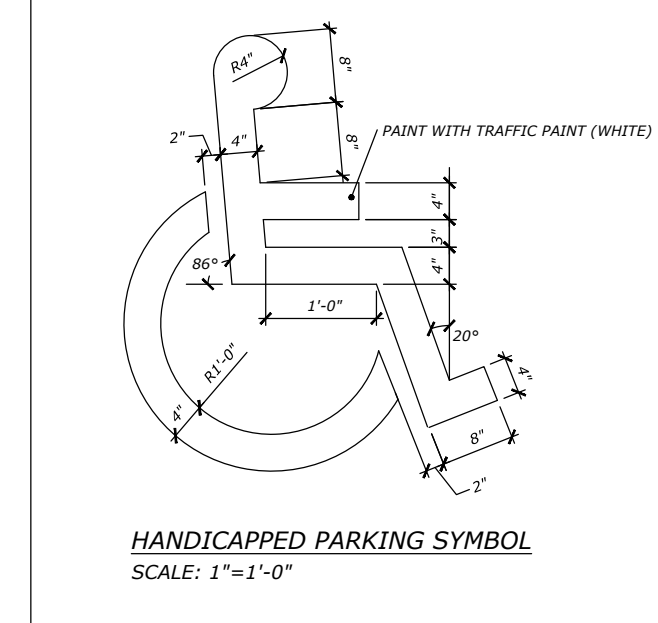
EXTRUDED 6" CONCRETE CURB

NOTES:
 1. CONSTRUCTION JOINTS SHALL BE SPACED AT A MINIMUM DISTANCE OF 5 FEET CENTER TO CENTER.
 2. EXPANSION JOINTS SHALL BE PLACED EVERY 30 FEET ALONG A 5 FOOT SIDEWALK, AND ALSO WHERE SIDEWALK ABUTS CONCRETE CURBS, HANDICAP RAMPS, DRIVEWAYS, AND SIMILAR STRUCTURES.

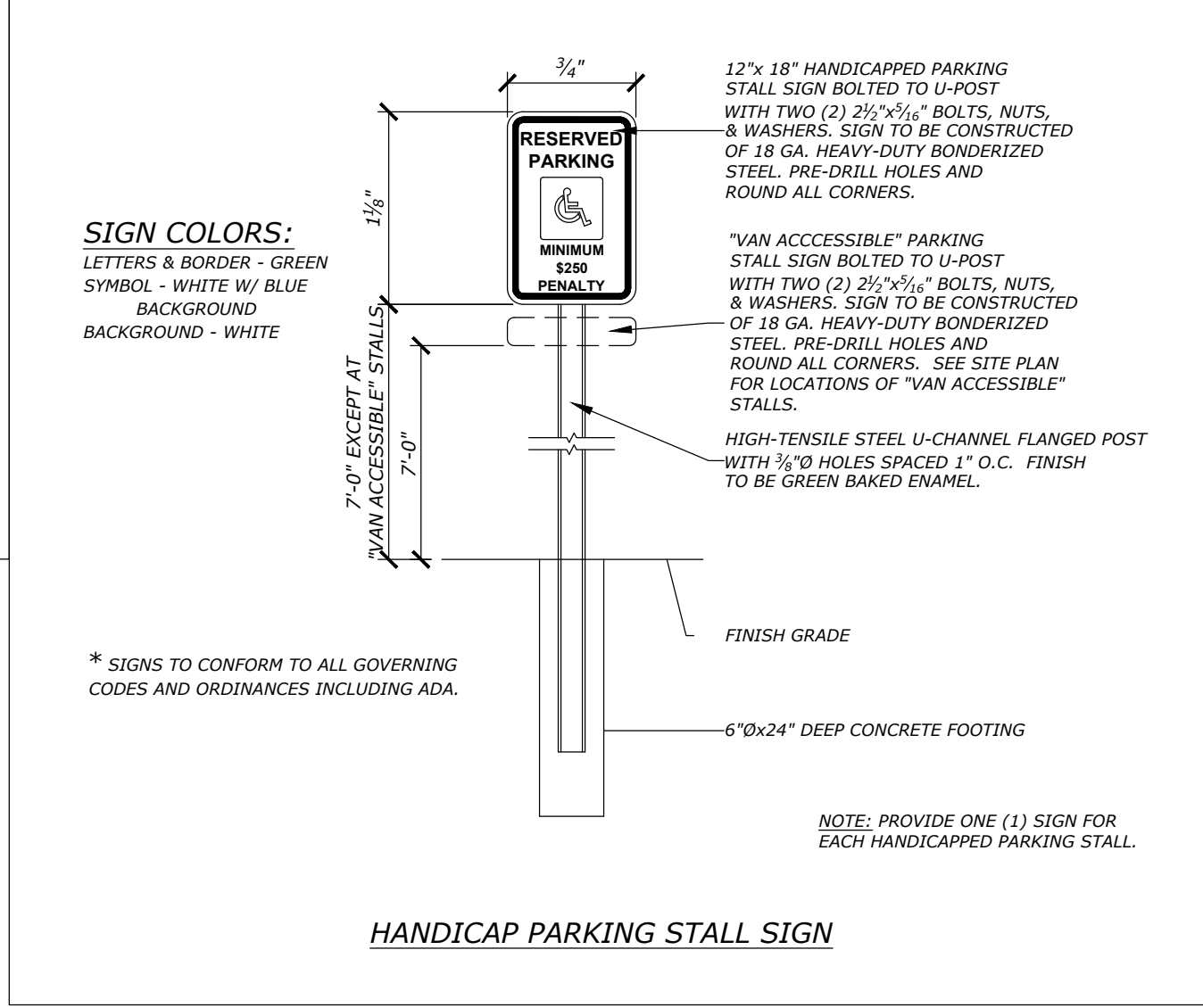
SIDEWALK JOINTS



PROFILE ALONG DAM
 STONE FOREBAY DETAIL



HANDICAPPED PARKING SYMBOL



SIGN COLORS:
 LETTERS & BORDER - GREEN
 SYMBOL - WHITE W/ BLUE
 BACKGROUND
 BACKGROUND - WHITE

12" x 18" HANDICAPPED PARKING SIGN BOLTED TO U-POST WITH TWO (2) 2 1/2" x 1/4" BOLTS, NUTS, & WASHERS. SIGN TO BE CONSTRUCTED OF 18 GA. HEAVY-DUTY BONDERIZED STEEL. PRE-DRILL HOLES AND ROUND ALL CORNERS.

VAN ACCESSIBLE PARKING STALL SIGN BOLTED TO U-POST WITH TWO (2) 2 1/2" x 1/4" BOLTS, NUTS, & WASHERS. SIGN TO BE CONSTRUCTED OF 18 GA. HEAVY-DUTY BONDERIZED STEEL. PRE-DRILL HOLES AND ROUND ALL CORNERS. SEE SITE PLAN FOR LOCATIONS OF "VAN ACCESSIBLE" STALLS.

HIGH-TENSILE STEEL U-CHANNEL FLANGED POST WITH 1/2" HOLES SPACED 1" O.C. FINISH TO BE GREEN BAKED ENAMEL.

FINISH GRADE

6" x 24" DEEP CONCRETE FOOTING

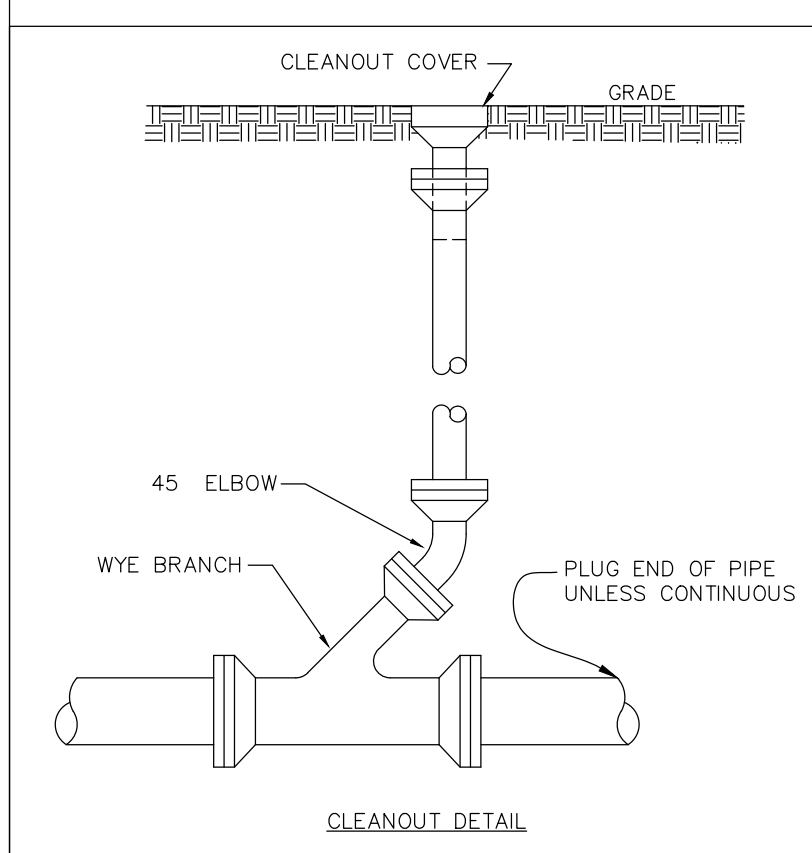
NOTE: PROVIDE ONE (1) SIGN FOR EACH HANDICAPPED PARKING STALL.

HANDICAP PARKING STALL SIGN

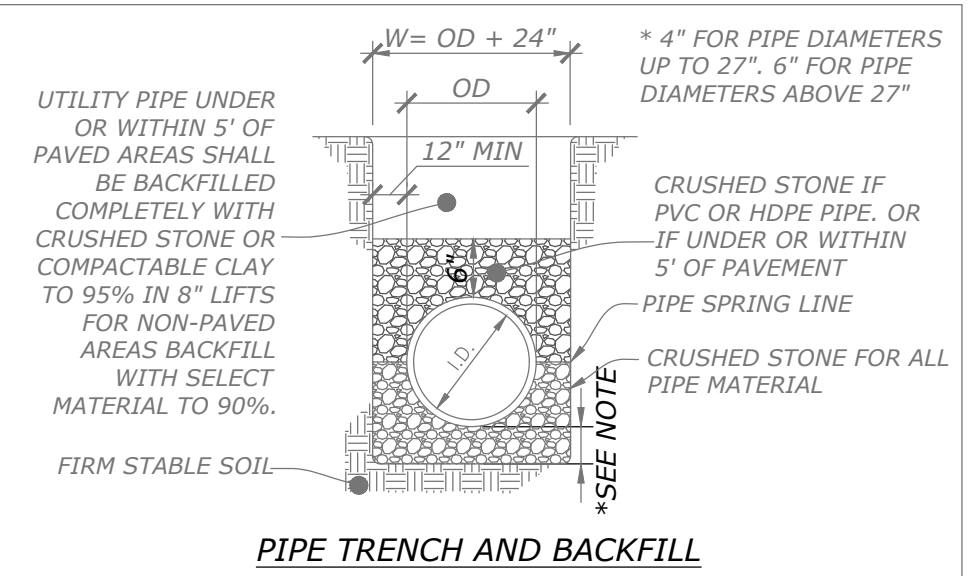
DAVID TODD WOOD
 REGISTERED PROFESSIONAL SURVEYOR
 STATE OF TENNESSEE
 2-14-24

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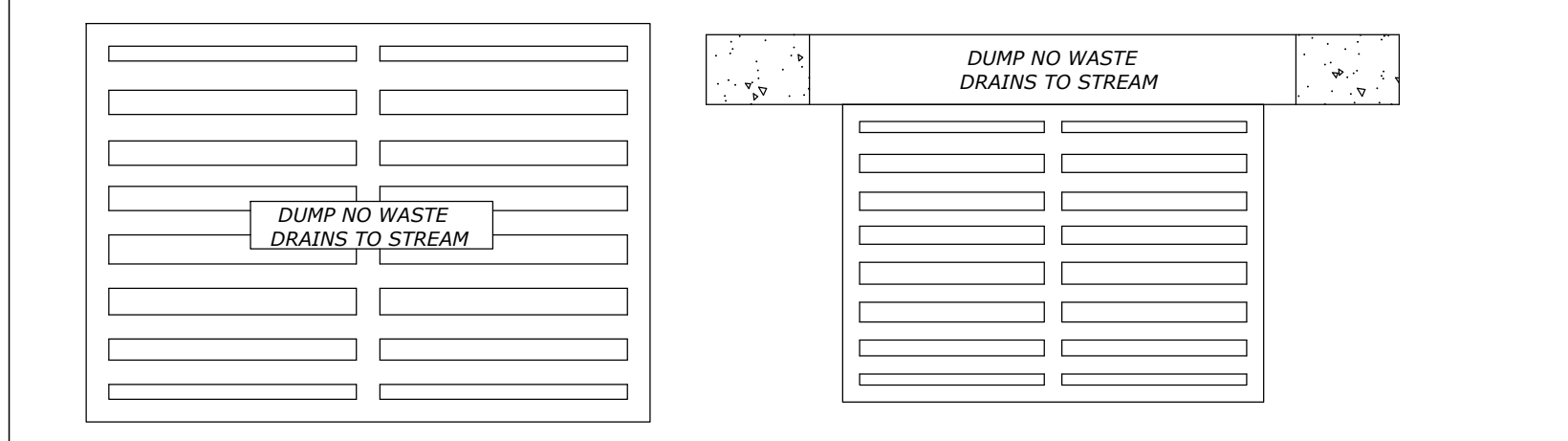


CLEANOUT DETAIL

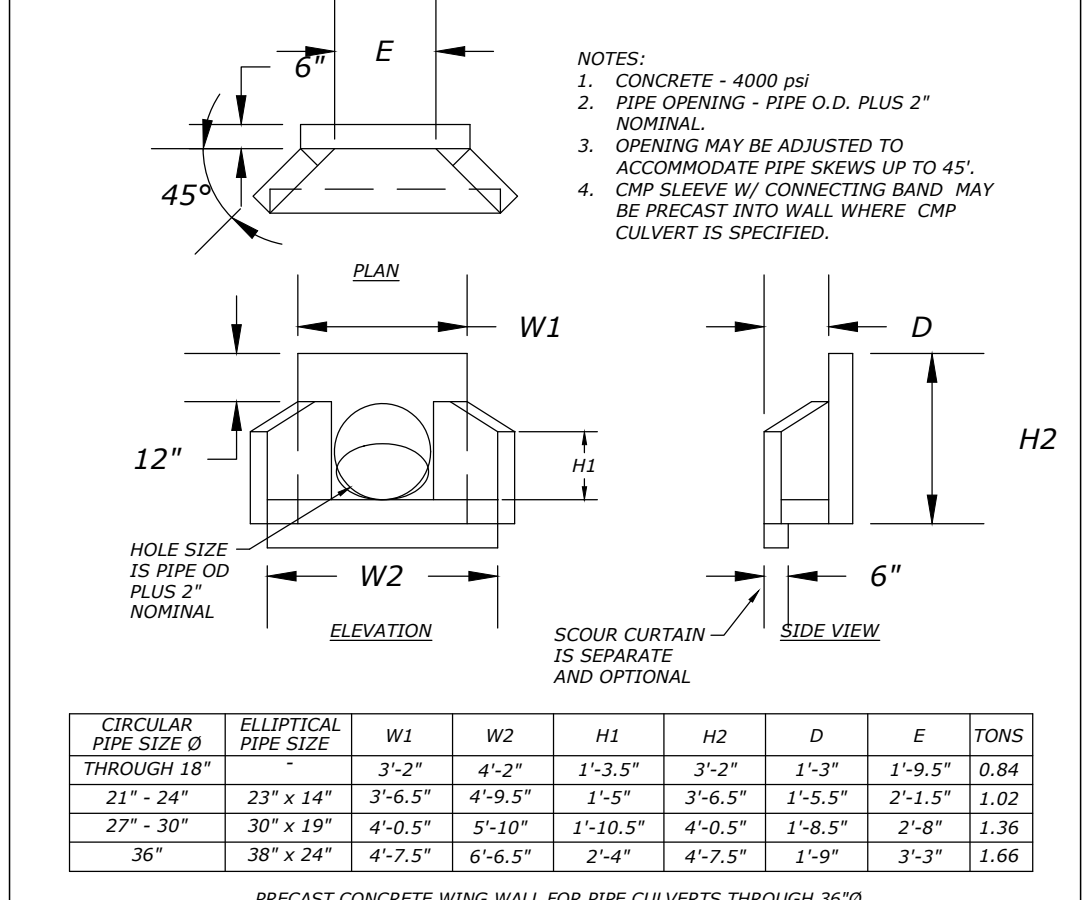


PIPE TRENCH AND BACKFILL

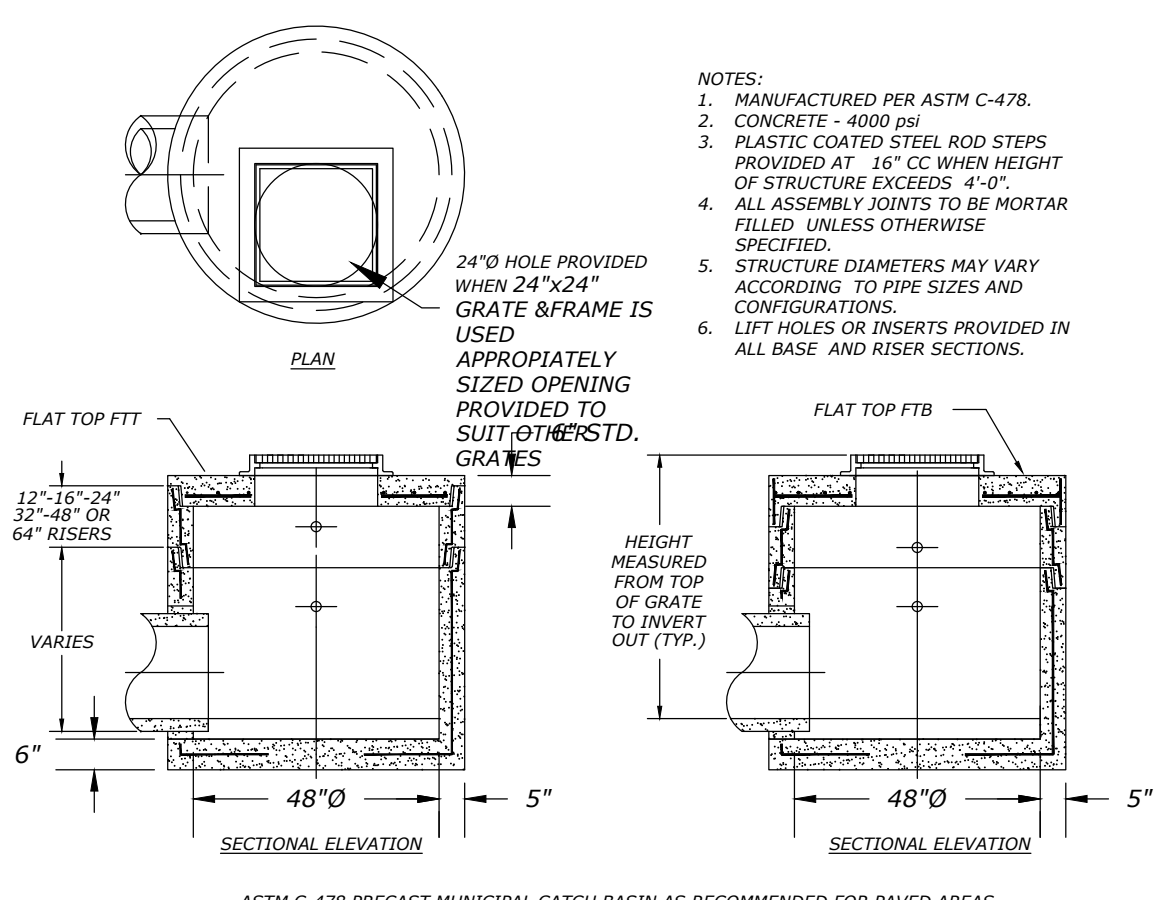
NOTE: CAST INTO THE METAL THE FOLLOWING MESSAGE: "DUMP NO WASTE DRAINS TO STREAM" OR EQUIVALENT MESSAGE.



AREA DRAIN OR DROP INLET
 CURB INLET
 STORM DRAIN STRUCTURE CASTING



PRECAST CONCRETE WING WALL FOR PIPE CULVERTS THROUGH 36" Ø

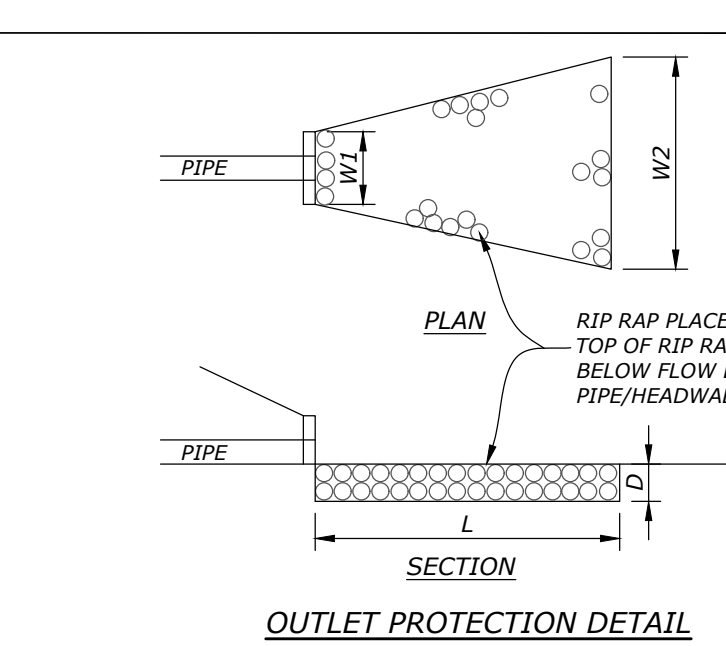


ASTM C-478 PRECAST MUNICIPAL CATCH BASIN AS RECOMMENDED FOR PAVED AREAS

RIP RAP SCHEDULE

PIPE	D50	Dmax	D	L	W1	W2
12"	4"	6"	9"	10'	3'	10'
15"	4"	6"	9"	10'	5'	10'

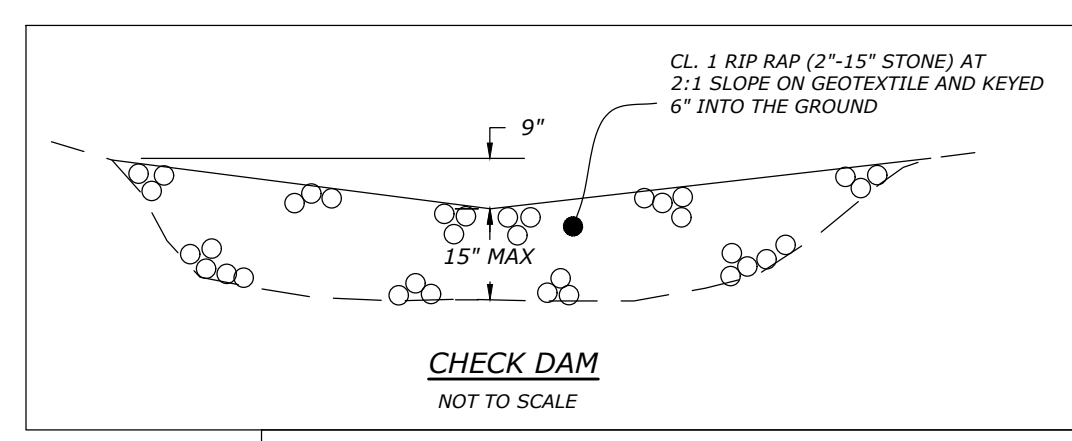
NOTES:
 1. PLACE ON FILTER CLOTH.
 2. STONE SHALL NOT BLOCK FLOW OF WATER FROM PIPE OR OTHER SURFACE.
 3. SEE OUTLET PROTECTION DETAIL



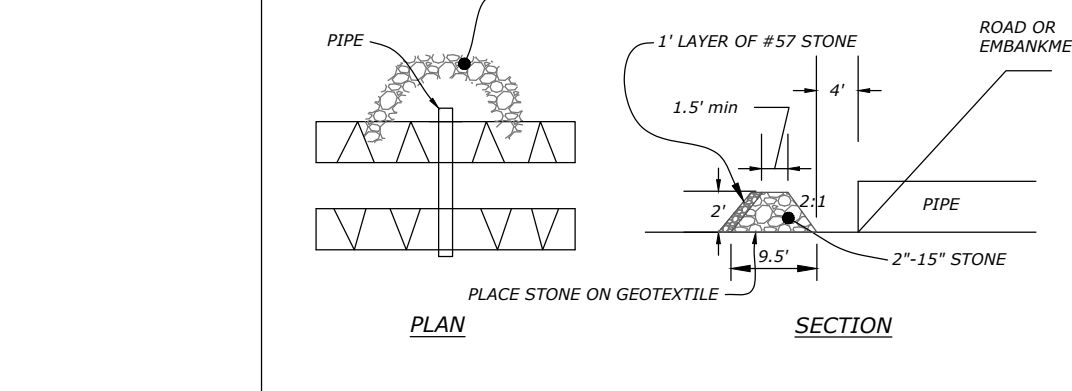
OUTLET PROTECTION DETAIL

Spills and Non-Stormwater Contingencies

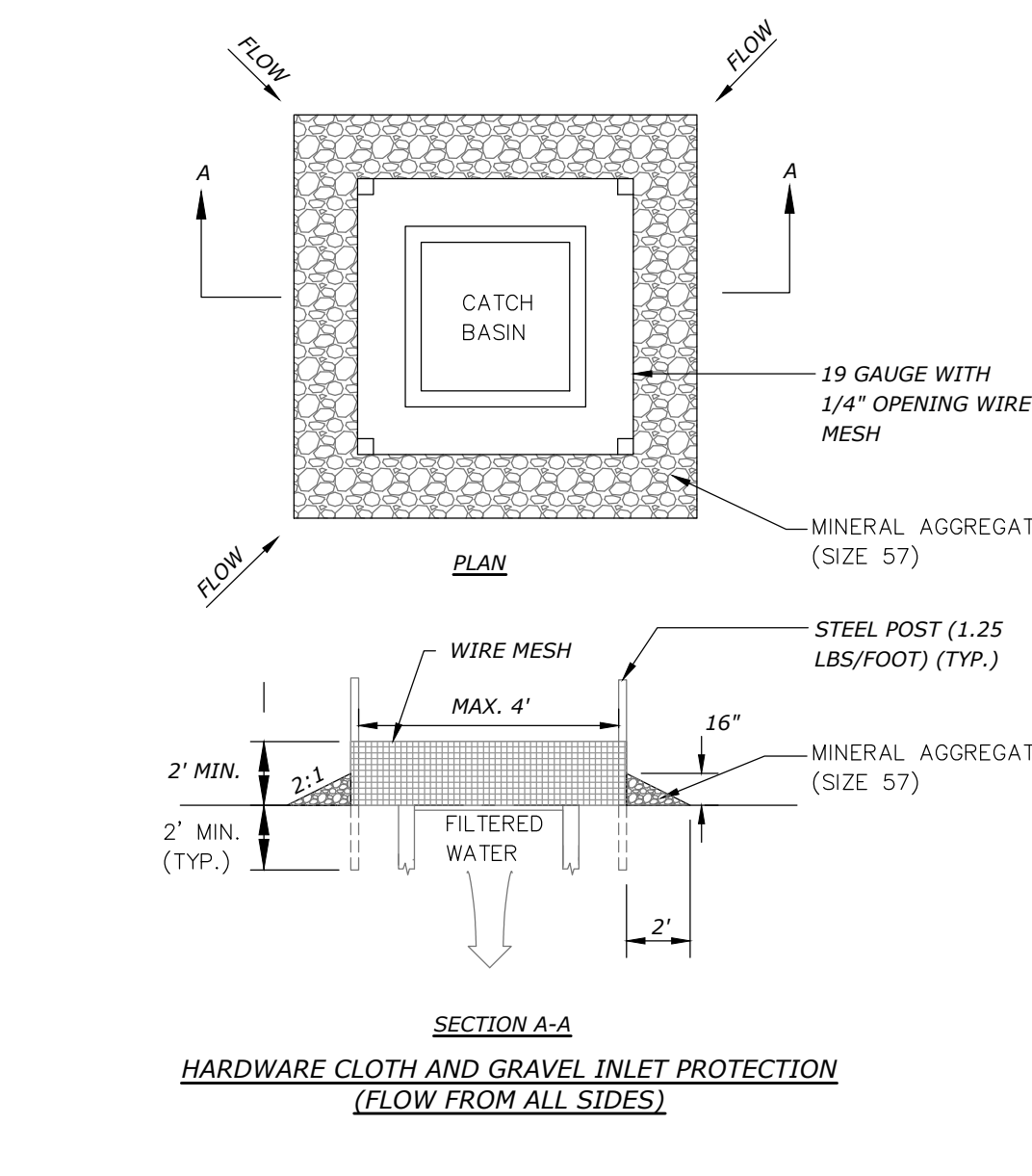
- Construction vehicles shall clean mud from their tires and body on-site so that the sediment will flow to the wash pit near the construction exit and/or the sediment control devices. Any sediment that ends up in the street or other places offsite shall be cleaned up with a shovel and broom or other means before the next rainfall but shall not be washed away using water. The cleaned up sediment shall be placed back onsite or taken to another site with an approved and functioning sediment control plan.
- Vehicles and equipment shall be fueled onsite near the construction exit in a designated containment area. Clean up any fuel spill immediately. Contaminated soils will be placed on heavy plastic and covered or placed in approved containers to prevent contact with stormwater. All fuel tanks shall be stored in the containment area. All oil, other vehicle fluids, solvents, paint, etc. shall be stored in a construction trailer or other approved container.
- Absorbent material (for land based spills), booms (for spills into waterways), and other hazardous material cleanup tools as necessary shall be available for immediate use if an onsite spill occurs. If a spill of hazardous materials occurs, the spill shall be contained immediately and then completely cleaned up. If the spill has entered a water source, sinkhole, storm drain, or other stormwater conveyance, the local governmental authority shall be contacted immediately. Any contaminated material from the cleanup shall be disposed of in accordance with all State laws.
- Ready-mix concrete trucks shall wash out their equipment into a designated wash pit near the construction exit. This wash pit is to trap the concrete and its wash. The contractor shall maintain this pit(s) as necessary to always have at least 50% volume. Any material removed from the wash pit shall be used for fill material onsite or disposed of in accordance with all State and Federal regulations. Wash from the concrete trucks and any overflow from the wash pit shall not be allowed to discharge to a sediment basin, trap, pond, storm drain, ditch, stream, other stormwater conveyance, or to waters of the State including both surface and groundwater.
- All hazardous materials such as empty or partially empty paint cans, oil cans, filters, cleaning fluid, etc. shall be disposed of by taking them to a permitted hazardous material disposal site in accordance with State laws.
- The washing of paint tools or other hazardous material equipment must be performed and disposed of in accordance with all State and Federal regulations. The cleaning residue from such equipment is hazardous and can not be discharged onto the ground or into a sediment basin, trap, pond, storm drain, ditch, stream, other stormwater conveyance, or to waters of the State including both surface and groundwater and shall be disposed of in accordance with State laws.
- Litter, construction materials, construction debris, construction chemicals, and other hazardous materials exposed to storm water shall be picked up prior to anticipated storm events or before being carried off the site by wind (e.g., forecasted by local weather reports), or otherwise prevented from becoming a pollutant source for storm water discharges. Litter, construction materials, construction debris, construction chemicals, and other hazardous materials shall not be allowed to enter a sediment basin, trap, pond, storm drain, ditch, stream, other stormwater conveyance, or to waters of the State. This can be accomplished by screening outfalls, daily pickup or cleanup, or other methods.
- After their use, materials used for erosion prevention and sediment control should be removed or otherwise prevented from becoming a pollutant source for storm water discharges.
- Contractor is responsible for litter control and cleanup.
- Sediment controls shall be provided for any water distribution or waste disposal system onsite including sanitary sewer or septic systems.



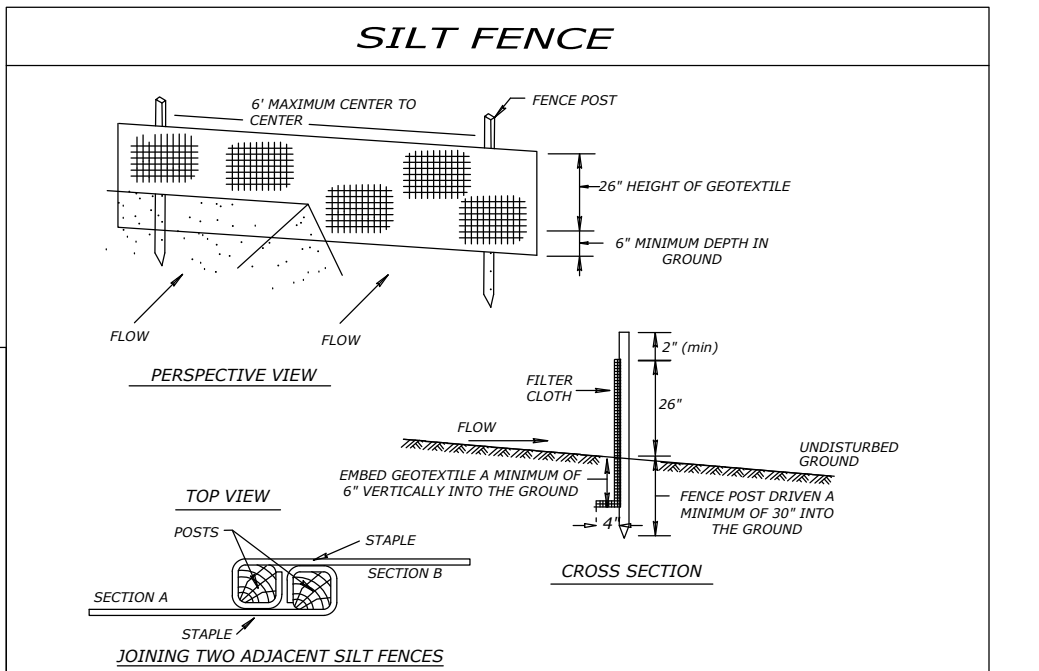
CHECK DAM
 NOT TO SCALE



STONE RING DETAIL
 NOT TO SCALE



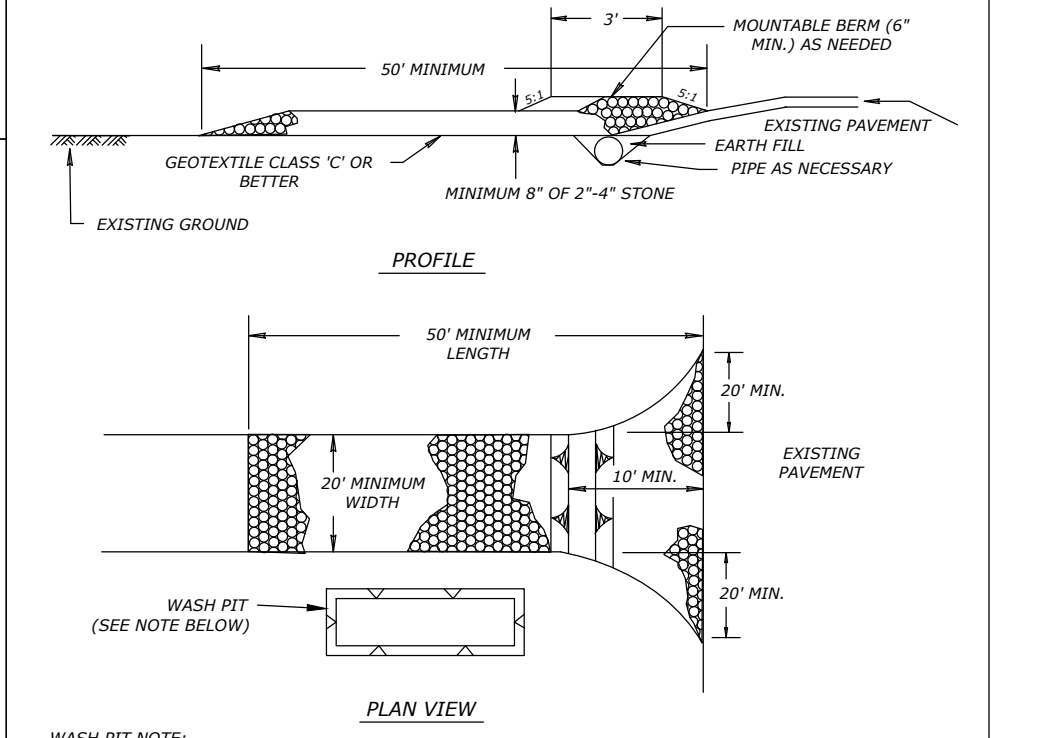
HARDWARE CLOTH AND GRAVEL INLET PROTECTION
 (FLOW FROM ALL SIDES)



SILT FENCE

- CONSTRUCTION SPECIFICATIONS
- Fence posts shall be 2.25" (nominal) x 2.25" (nominal) square cut and be of sound quality hardwood or use steel posts will be standard T or U section weighing not less than 1.25 pound per linear foot.
 - Geotextile shall be fastened securely to each fence post with 5 - 17 ga. wire staples (3 in top 8") for wood or 5 wire or plastic zip ties (50# min. tensile strength and 3 in top 8") for steel posts and shall meet the following requirements:
 - Tensile Strength: warp 120 lbs/in (min.), fill 100 lbs/in
 - Bursting Strength: 200 lbs/sq in (min.)
 - Flow Rate: 4 gpm/sq. ft (min.)
 - Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass per detail above or overlapped a minimum of 4".
 - Silt fence shall be inspected before and after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

CONSTRUCTION EXIT



CONSTRUCTION EXIT

- WASH PIT NOTE:
 PROVIDE 100 SQUARE FEET (10'x10', 20'x5', ETC.) X 3' DEEP PIT FOR TRUCKS, INCLUDING CONCRETE TRUCKS; TO WASH INTO. LOCATE THE PIT NEAR THE CONSTRUCTION EXIT IN SUCH A MANNER THAT THE WASH RUNOFF FROM THE TRUCKS WILL DISCHARGE INTO THE PIT. ONCE THE PIT HAS LOST 50% OF ITS STORAGE CAPACITY, REMOVE THE ACCUMULATED SEDIMENT, CONCRETE, ETC. AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. THE REMOVED ACCUMULATED MATERIAL SHALL NOT BE DISCHARGED OR DEPOSITED IN A STORM DRAIN SYSTEM, DITCH, STREAM, WATERWAY, LAKE, OR OTHER STORMWATER CONVEYANCE.
- Construction Specification
- Length - minimum of 50'
 - Width - 20' minimum, should be flared at the existing road to provide a turning radius. Maximum side slope of the stone is 3:1.
 - Geotextile fabric shall be placed over the existing ground prior to placing stone.
 - Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
 - Location - A stabilized construction exit shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction exit.

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COLLECTIVE ARCHITECTURE COMPANY

238 E. MARKET STREET
 ANNISTON, TN 37601
 423.988.6200

CONTRACTOR SHALL INSPECT ALL EXISTING CONDITIONS TO ENSURE NO DISCREPANCIES WITH CONSTRUCTION DOCUMENTS. LAYOUT WALLS AND VERIFY ALL CRITICAL DIMENSIONS ARE CORRECT PRIOR TO CONSTRUCTION. ANY ISSUES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.

NEW RECYCLING CENTER FOR:
 SULLIVAN COUNTY, TN

999 GROSS COMMUNITY ROAD
 BLOUNTVILLE, TN 37617

DRAWN BY: DTW
 DATE: 2-14-24
 PROJECT #: 23-023
 REVISIONS: NO. DATE

SHEET DESCRIPTION:
 SITE DETAILS

SHEET NUMBER:
 C6

FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR	BASE	WAISCOT	WALL FINISH				CEILING		REMARKS
					NORTH	EAST	SOUTH	WEST	MATERIAL	HEIGHT	
101	OFFICE	ECONC	RUBBER	-	PNT/GWB	PNT/GWB	PNT/GWB	PNT/GWB	ACT-1	9'-0"	
102	BREAK ROOM	ECONC	RUBBER	-	PNT/MMRGWB	PNT/GWB	PNT/GWB	PNT/GWB	ACT-1	9'-0"	
103	W TLT	ECONC	RUBBER	-	PNT/MMRGWB	PNT/MMRGWB	PNT/MMRGWB	PNT/MMRGWB	MMRGWB	9'-11"	
104	M TLT	ECONC	RUBBER	-	PNT/MMRGWB	PNT/MMRGWB	PNT/MMRGWB	PNT/MMRGWB	MMRGWB	9'-11"	
105	MECH/ELEC	ECONC	RUBBER	-	PNT/GWB	PNT/GWB	PNT/GWB	PNT/GWB	EXPOSED	-	
106	WAREHOUSE	SCONC	-	-	MTL PNL	MTL PNL/PW	MTL PNL/PW	MTL PNL	EXPOSED	VARIES	
107	OPEN STOARGE	SCONC	-	-	OPEN	OPEN	OPEN	OPEN	EXPOSED	VARIES	

FINISH LEGEND:

ACT	ACOUSTICAL CEILING TILE
ECONC	EPOXY CONCRETE
GWB	GYPSUM WALL BOARD
MMRGWB	MOISTURE, MOLD RESISTANT GYPSUM WALL BOARD
MTL PNL	METAL WALL PANEL
PNT	PAINT
SCONC	SEALED CONCRETE

GENERAL FINISH NOTES:

- PAINT ALL STEEL DOORS AND STEEL FRAMES.
- PAINT ALL GYPSUM BOARD.
- ALL PAINTED SURFACES TO BE PRIMED AND PAINTED, MIN 2 COATS.

DOOR SCHEDULE

DOOR NO	DOOR			FRAME			DETAILS			HARDWARE SET	REMARKS				
	WIDTH	HEIGHT	THICKNESS	RATING (MIN)	MATERIAL	ELEV	GLAZING	ELEV	WIDTH			MATERIAL	PROFILE	HEAD	JAMB
101	3'-0"	7'-0"	1 1/2"	-	HM	B	G-1	F1	4'-1/4"	HM	A	H1	J1	-	1
102	3'-0"	7'-0"	1 1/2"	-	HM	C	G-1	F1	4'-1/4"	HM	A	H1	J1	-	2
103	3'-0"	7'-0"	1 1/2"	-	HM	A	-	F1	4'-1/4"	HM	A	H1	J1	-	2
104	3'-0"	7'-0"	1 1/2"	-	HM	A	-	F1	4'-1/4"	HM	A	H1	J1	-	2
105	3'-0"	7'-0"	1 1/2"	-	HM	A	-	F1	4'-1/4"	HM	A	H1	J1	-	1
106A	3'-0"	7'-0"	1 1/2"	-	HM	A	-	F2	6"	HM	B	H2	J2	S2	4
106B	3'-0"	7'-0"	1 1/2"	-	HM	A	-	F2	6"	HM	B	H2	J2	S2	4
106C	14'-0"	14'-0"	1 1/2"	-	STL	E	-	MFR	MFR	STL	MFR	MFR	MFR	MFR	1
106D	10'-0"	10'-0"	1 1/2"	-	STL	E	-	MFR	MFR	STL	MFR	MFR	MFR	MFR	1
106E	14'-0"	14'-0"	1 1/2"	-	STL	E	-	MFR	MFR	STL	MFR	MFR	MFR	MFR	1

DOOR LEGEND:

HM	HOLLOW METAL
KD	KNOCK-DOWN FRAME
MFR	MANUFACTURER
STL	STEEL
WLD	WELDED FRAME

DOOR REMARKS:

OVERHEAD MANUFACTURER LISTED AS A STANDARD OF QUALITY, FUNCTION AND THE ARCHITECT'S RECOMMENDATION. MANUFACTURER SUBSTITUTION IS ALLOWED WITH ARCHITECT'S APPROVAL.

- OVERHEAD DOOR COMPANY'S THERMACORE 591 STEEL SECTION DOOR, SIZES INDICATED IN SCHEDULE & DOOR ELEVATIONS, HIGH CYCLE SPRINGS - 25,000 CYCLES, SOLID 1" SPRING SHAFT, IMPACT-RESISTANT BOTTOM SECTION INDICATED ON DOOR ELEVATION 'D'. INTERIOR MOUNTED SLIDE LOCK, STANDARD FULL VERTICAL TRACK, OVERHEAD DOOR COMPANY'S RSX OPERATOR W/CHAIN HOST, VITECTOR NEMA 4/4X OPTOEYE INFRARED TRANSMITTER/RECEIVER SENSOR & RADIO TRANSMITTERS (5 RADIO TRANSMITTERS FOR THE 14'-0"x14'-0" OVERHEAD DOORS AND 3 TRANSMITTERS FOR THE 10'-10" OVERHEAD DOOR).

DOOR HARDWARE:

HARDWARE MANUFACTURER'S ARE LISTED AS A STANDARD OF QUALITY, FUNCTION AND THE ARCHITECT'S RECOMMENDATION. CONTRACTOR SHALL REVIEW HARDWARE LISTED BELOW WITH THE OWNER PRIOR TO ORDERING.

- HARDWARE SET NO 1 (OFFICE FUNCTION):
- BUTTS: HAGER 1279 BB
 - LOCKSET: HAGER 3450
 - DOOR STOP: HAGER 234W

- HARDWARE SET NO 2 (PRIVACY FUNCTION):
- BUTTS: HAGER 1279 BB
 - LOCKSET: HAGER 3440
 - CLOSER: HAGER 5200 + 5203 ARM
 - DOOR STOP: HAGER 234W

- HARDWARE SET NO 3 (PASSAGE FUNCTION):
- BUTTS: HAGER 1279 BB
 - LOCKSET: HAGER 3410
 - DOOR STOP: HAGER 230W

- HARDWARE SET NO 4 (ENTRY):
- BUTTS: HAGER 1279 BB NRP
 - LOCKSET: HAGER 3853 ESCUTCHEON + WITHNELL LEVER
 - CLOSER: HAGER 5200 + 5203 ARM
 - THRESHOLD: HAGER 403S
 - WEATHERSTRIPPING: HAGER 883S
 - DOOR BOTTOM: HAGER 789S

GLAZING LEGEND:

G-1	1/4" TEMPERED GLASS
G-2	1" INSULATED, LOW-E, TENTED TEMPERED GLASS U VALUE WINTER/SUMMER U0.33/0.31

HARDWARE NOTES:

- ALL HARDWARE SETS TO INCLUDE 3 RUBBER DOOR SILENCERS.
- ALL HARDWARE TO BE 10B FINISH.
- ALL THRESHOLDS TO BE MIL FINISH ALUMINUM.

WINDOW SCHEDULE

WINDOW ELEVATION	MATERIAL	WIDTH	GLAZING	PROFILE	DETAILS			QUANTITY	REMARKS
					HEAD	JAMB	SILL		
A	ALUM	4'-1/2"	G-2	MFR	WH1	WJ1	WS1	1	1

GENERAL WINDOW NOTES:

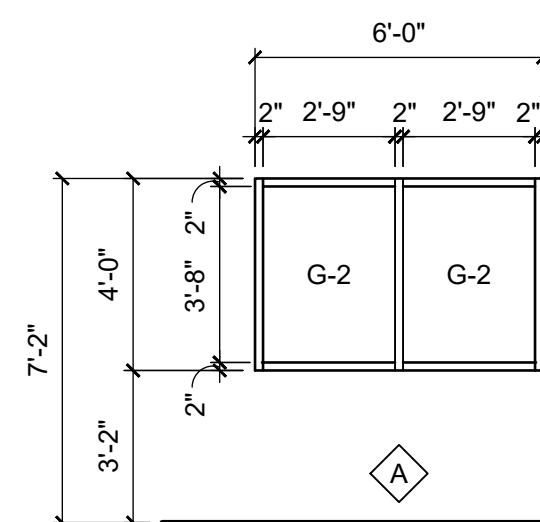
- WINDOW MANUFACTURERS IS LISTED AS A STANDARD OF QUALITY, FUNCTION AND THE ARCHITECT'S RECOMMENDATION. CONTRACTOR HAS THE OPTION TO SUBSTITUTE A DIFFERENT MANUFACTURE, BUT MUST SUBMIT SAID MANUFACTURER'S CUT SHEETS AND INFORMATION PRIOR TO BEING APPROVED.

WINDOW REMARKS:

- KAWNEER TRIFAB VERSAGLAZE 451T FRAME SYSTEM, 4 1/2" WIDE WITH 2" SIGHTLINE.

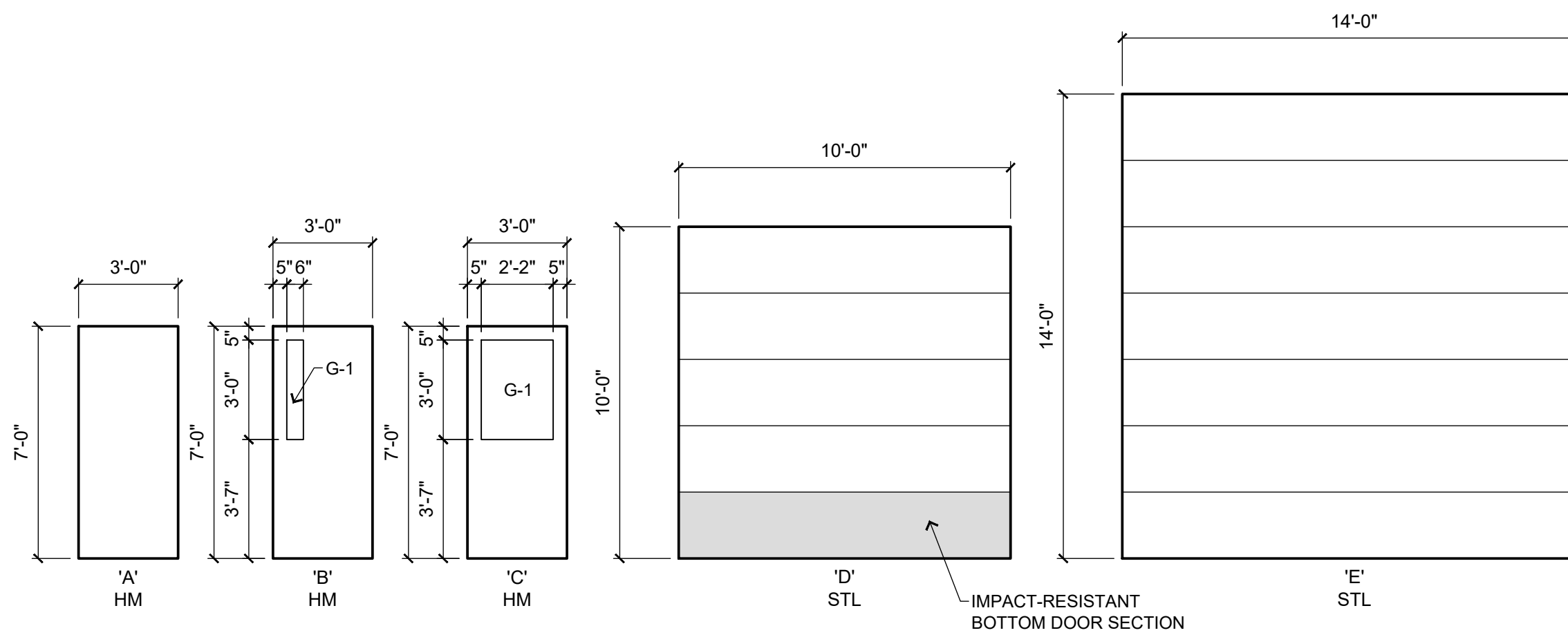
GLAZING LEGEND:

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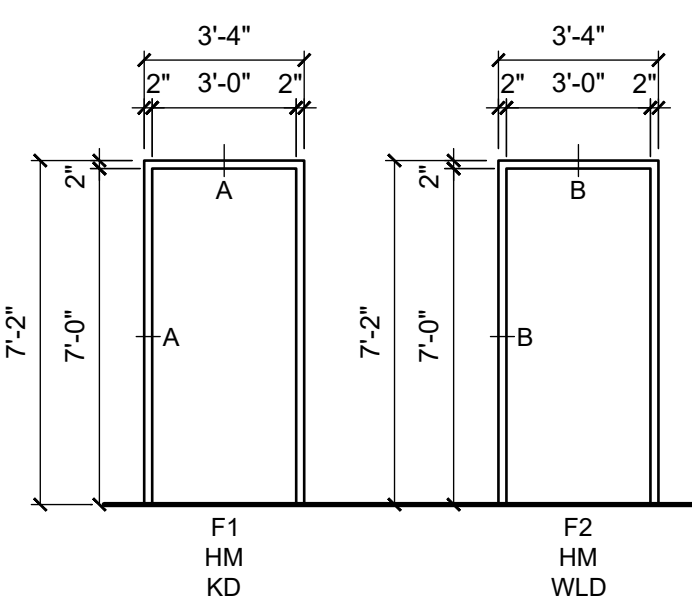
WINDOW ELEVATIONS

SCALE: 1/4"=1'-0"



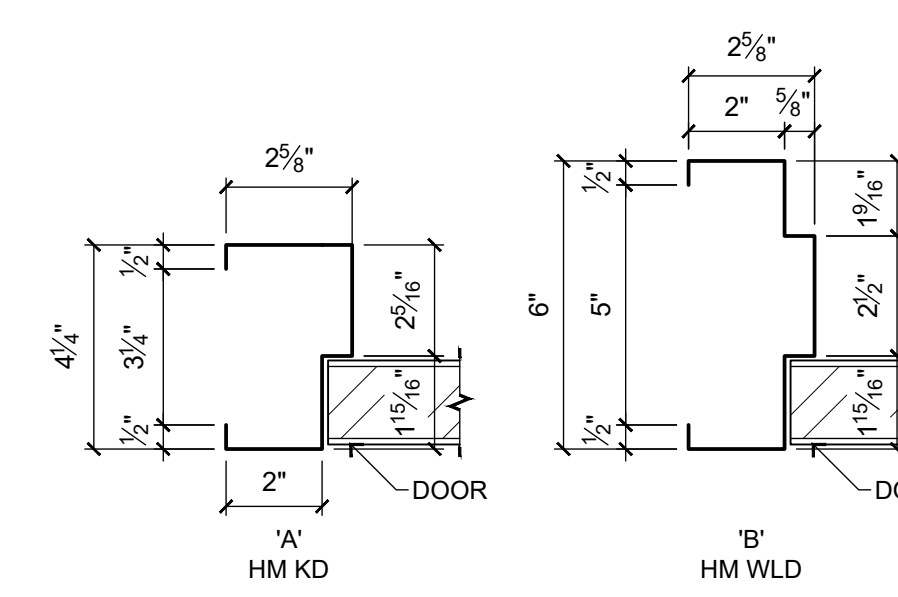
DOOR ELEVATIONS

SCALE: 1/4"=1'-0"



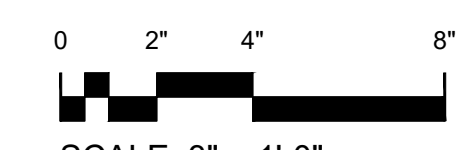
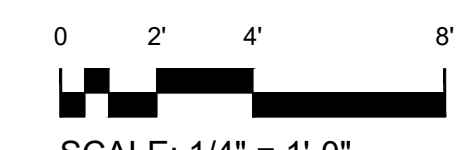
FRAME ELEVATIONS

SCALE: 1/4"=1'-0"

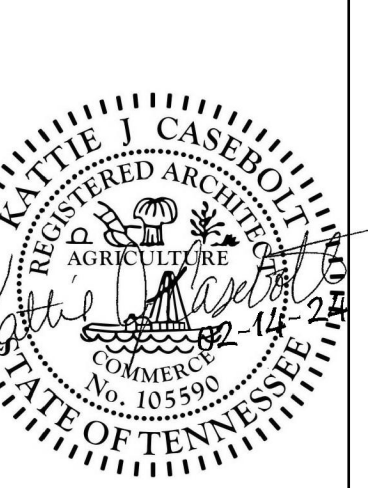


FRAME PROFILES

SCALE: 3"=1'-0"



SEAL:



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COLLECTIVE
ARCHITECTURE COMPANY

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KINGSPORT, TN 37660
PH: 423.398.6200

NEW RECYCLING CENTER FOR:
SULLIVAN COUNTY, TN

999 CROSS COMMUNITY RD
BLOUNTVILLE, TENNESSEE 37617

DRAWN BY: SC
DATE: 2-14-2024
PROJECT #: 23-023
REVISIONS:

1 3-7-2024

SHEET DESCRIPTION:
FINISH & OPENING
SCHEDULES

SHEET NUMBER:

A601

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