SAFETY REGULATIONS

ALL EXCAVATION AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MARYLAND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (MOSHA) STANDARDS AS SET FORTH IN THE LATEST VERSION OF THE CODE OF MARYLAND REGULATIONS

CONSTRUCTION NOTIFICATION

The Contractor/Owner is to notify the County SOIL CONSERVATION DISTRICT at least 72 hours prior to construction to facilitate any scheduling, layout, or preliminary mobilization necessary to ensure proper construction inspection to enable appropriate certification of the project.

It is the Landowner's responsibility to obtain all County, State, and Federal permits that may be needed, and to maintain this structure and related regulations.

THERE WILL BE NO CHANGES IN SPECIFICATION, DIMENSIONS, OR MATERIALS UNLESS APPROVED BY THE ENGINEER RESPONSIBLE FOR THIS DRAWING. THE DRAWINGS ARE PREPARED COOPERATIVELY BY THE NATURAL RESOURCE CONSERVATION SERVICE FOR THE NAMED LANDOWNER.

CONSTRUCTION FOUND NOT IN ACCORDANCE WITH THESE DRAWINGS AND SPECIFICATIONS SHALL VIOLATE THE COOPERATIVE AGREEMENT AND ALL DRAWINGS, SPECIFICATIONS, AND QUANTITIES ESTIMATE SHALL IMMEDIATELY BE RETURNED TO THE LOCAL NRCS OFFICE.

Producers are responsible for securing grading, building, electrical, and plumbing permits to install the required facilities and for properly managing the facility.

CRITICAL INSPECTION ITEMS

(Unroofed Concrete Waste Storage Facility and/or Feeding Area)

3/20/15

- The landowner will arrange for a pre-construction meeting between the contractor, NRCS and landowner to review the plans, standards and specifications prior to the start of construction
- 2. There will be no changes in specifications, dimensions, or materials unless approved by the engineer responsible for this drawing.
- The drawings are prepared cooperatively by the Natural Resources Conservation Service for named 3. owner/operator. Construction found not in accordance with these drawings and specifications shall violate the cooperative agreement and all drawings, specifications, and Quantities Estimate shall immediately be returned to the local NRCS office.
- The following is a list of items that must be inspected by the Technician-in-Charge. If cost share is involved, 4. payment may be forfeited if the Technician-in-Charge does not inspect all of the below:

ayn	tent may be forfeited if the recrimcian-in-Charge does	-					
•	Preconstruction Meeting		Initials:				
	Verify layouts:	Date:	Initials:				
•	Verify all subgrades:	Date:	Initials:				
	Verify all subgrade materials CR-6 etc:	Date:	Initials:				
•	Verify reinforcing steel grade, size and placement:						
	Footings:	Date:	Initials:				
	Walls and/or curbs:	Date:	Initials:				
	Floor:	Date:	Initials:				
•	Inspect all concrete in accordance with specification	ons:					
	Footings:	Date:	Initials:				
	Walls and/or curbs:	Date:	Initials:				
	Full dimension wall ties:	Date:	Initials:				
	Floor:	Date:	Initials:				
	Proper curing of concrete:	Date:	Initials:				
	Patching wall ties, holes and honeycombing:	Date:	Initials:				
(Subsurface Drainage (if applicable)						
	Trench grade:	Date:	Initials:				
	Drain tubing material:	Date:	Initials:				
	Stone envelope:	Date:	Initials:				
	Backfill placement:	Date:	Initials:				
	Proper outlet and rodent guard:	Date:	Initials:				
•	Backfill placement and compaction	Date:	Initials:				
	Safety fence and push-off guard:	Date:	Initials:				
	Signs in Place (Made of all-weather material):	Date:	Initials:				
•	All disturbed areas seeded and mulched:	Date:	Initials:				
	Other items shown on the plans:	Date:	Initials:				

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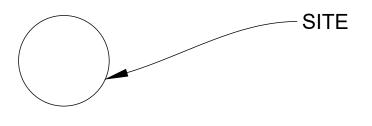
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LANDOWNER - SITE NAME 313 WASTE STORAGE FACILITY





Know what's **below. Call** before you dig

"The Soil Conservation District makes no representation as existence or Non-existence of any utilities at the construction Shown on these construction drawings are those utilities w have been identified. It is the responsibility of the landowner operators and contractors to assure themselves that no haz exists or damage will occur to utilities"

MATERIALS LIST

* For bidding purposes only

USER TC

- 1. A pre-construction meetir Contact the Soil Conserva Phone PHONE #
- 2. A conservation technician 3. Install sediment controls
- stockpiles).
- 4. Strip topsoil and safely sto
- 5. Excavate site to staked ele
- 6. Excavate for footers, set for 7. Place crushed stone, set re
- 8. Pour slab, footer, wall, curl
- 9. Install footer drain/stone, o
- 10. Install safety fence, rails ar
- 11. Backfill and re-grade, estal
- 12. Reseed all disturbed areas

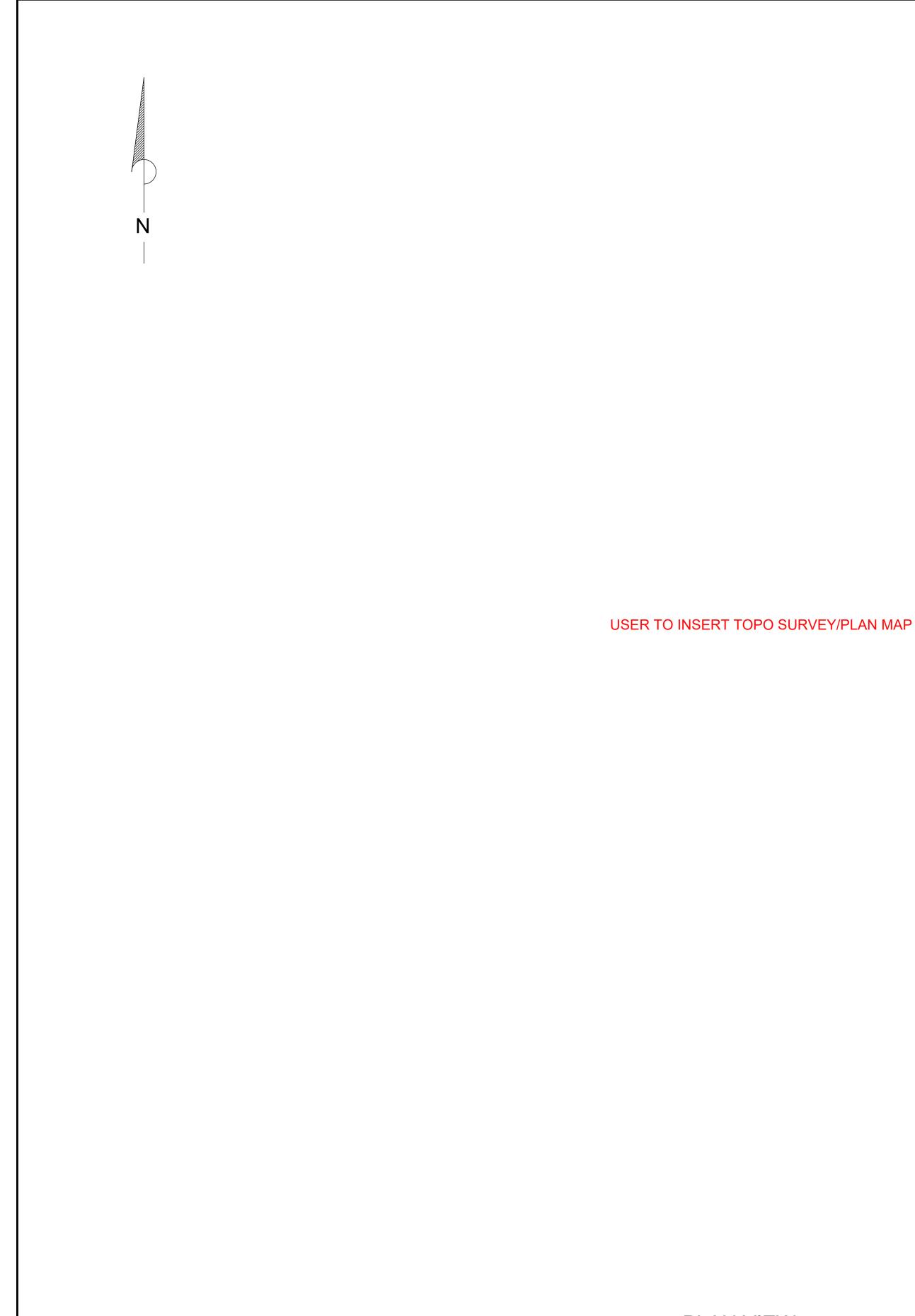


LOCATION MAP 0

200 200 400 Scale in Feet

USER TO INSERT SHEET LIST TABLE

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AS-BUILT ST	ATEMENT			ate 				
CONSERVATION PRACTIC	E(S) MEETS OR			Dat				
NRCS STANDARDS AND	SPECIFICATION	NS						
SIGNAT	URE	DATE						
JCTION APPROVAL	TURE	DATE						
DISTRICT		DATE						
VATIONIST SIGNAT	URE	DATE						
BUILT CONTRACT ITEMS:		1						
PRACTICE	Reportable Amount	Contract Amount		ğ		77	q	
				Designed	ЧN	Checked	Approved	
				Des	Drawn	Che	App	
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USER TO ENTE	R PRACTICES						ł	
NER/CONTRACTO	R STATEME	NT		Щ				
RTIFY THAT THIS DESIGN HAS REPRESENTATIVE OF THE C		D TO ME		NAME		rict		
CONSERVATION DISTRICT, A	AND I UNDERSTAN			Ž)istı		
HESE PLANS AND SPECIFICA	TIONS, I FURTHE	R				L L		
ECTION OF THIS OFFICE.		UNDER THE		SITE		atio		
ER/OPERATOR SIGNATURE	DATE			С О		er <u>x</u>	S #	
	BATE				###	SUC	LAS	
TRACTOR'S SIGNATURE	DATE				Ŧ	Soil Conservation District	IOB CLASS	
	e stabilized within 7 day	- of		OWNEF		Soil	NC	
All disturbed areas to be completion, using the fo	ollowing recommendatio			\leq				
Tall Fescue	tecommendations 65 lb/a			X		COUNTY		
Perennial Ryegrass <u>or</u> Redtop (tolerates moist White Clover	5 lb/ac	;		ANC		ы С		
20-40-40 Fertilizer Ground lime 50% oxide Straw Mulch	500 lb/ s 3 tons 2 tons/	/ac		4		0		
Dates listed are for dates will need to b	plant hardiness Zone 6E be changed for other zon	3,						
L March	ding Dates 1 thru May 15 I thru October 1							
o the n site. It is the landowner resp hich State, and Federal pern								
rs or to maintain this structur	e and those regulations ER SEEDING IN						СТ #	
							TRACT	
				,	<u> </u>		_	
				States	ы С		ð	
) ENTER CONSTRUCTIO WASTE MANAGEMENT FA				Sta	tur	S	<u></u>	
CONSTRUCTION SEQUE	NCE	haisisaa is ros	nuirod	United	Department Agriculture	LCe	tion Service	
ng with the landowner, contra- tion office at least 3 days prior				Unit	uep Aar	, no	U,	
shall verify cut/grade stakes at t by direction of technician/engir	-		ing all					
ckpile out of immediate site.			ing an				>	
evations, with minimum five-foot	offset.					nra	S S	
orms, placement of steel. einforcement wire.						lat	OU	
bs, etc.	nginost			File N				
outlet as directed by technician/e nd signs.	engineer.		MD_00			IStacki	ngWS	F.dwg
blish seedbed. s to establish vegetative cover (a	as per recommende	ed).		Drawi	na N	0.		
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				Sheet	: 1	of	5	
					_	_		



PLAN VIEW Scale in Feet

Injuries and fatalities occur in confined space manure storages that are enclosed, such as beneath animal quarters, or below-ground reception and pump out pads, and in non-enclosed storages, such as earthen, lined and concrete manure pits and ponds. Non-enclosed manure storages are open to the atmosphere but still meet the definition of a confined space in terms of occupational safety and health. Because of the potential danger of gases around manure storage facilities, ponds, or lagoons; first aid equipment should be supplied nearby. An identified, easily accessible area should be provided for storing safety equipment. The area should be inspected periodically to ensure that all equipment is available and in proper working condition. An emergency action plan should be posted near the safety equipment and

In the case of open air manure storage pits and ponds, some hazards can include:

near all telephones.

- Steep and slippery slopes that can make getting out of manure storages difficult or impossible.
- breeze.
- Not being able to see into depths of manure like you can with water.

Safety guidelines to follow:

- the effects that the various gases has on them.
- keep unauthorized personnel from entering the area.
- stored use signs reading Danger Manure Storage may be used.
- attached to a safely located solid object or anchor.
- entering the storage.
- stumble.

- the storage before servicing or repairing.
- contact someone and review the situation before proceeding.

SIGN REQUIRED FOR ALL MANURE STACKING STRUCTURES. PLACE ONE SIGN AT EACH ENTRANCE/ACCESS POINT. SIGN TO BE MADE OF DURABLE MATERIAL (PLASTIC/ALUMINUM OR EQUAL) MINIMUM SIZE 10"W X 14"H

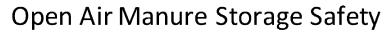
Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in maximum 8 inch thick (before compaction) layers which are to be continuous over the entire length of the fill. The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one tread track of heavy equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tired or vibratory roller. The minimum required density is 95% of maximum dry density with moisture content within $\pm 2\%$ of the optimum. Each layer of fill shall be compacted as necessary to obtain that density, and is to be certified by a Geotechnical Engineer at the time of construction. All compaction is to be determined by AASHTO Method T-99 (Standard Proctor). The landowner is responsible for the required compaction testing and shall make all necessary arrangements to have a private geotechnical engineer, or agent, on-site to perform the test as needed during construction. The compaction test results are to be supplied to the field office.

BENCH MARK DESCRIPTIONS

TBM #1 (IP): Elev = ????? Top of 1" X 2" wooden hub, marked by witness lath.

TBM #2: Elev = ???.?? Top of 1" X 2" wooden hub, marked by witness lath, near NW corner of building.

TBM #3: Elev = ???.?? Top of bolt in NW corner of concrete.



• A thick liquid and floating crust that make swimming, buoyancy or even moving around very difficult.

• Localized layers of hazardous gases existing above manure surfaces, especially on hot, humid days with little to no

• A speeding up of manure gas release from movement, agitation, removal or additional of manure to a storage pond. • Not having sufficient oxygen to breath if a person is "treading" in manure because of an inability to get out.

• A slow response time for adequate emergency actions because of site isolation and remoteness.

1. Make sure everyone that needs to be near manure storage structures understand the hazards that exist, including

2. Make sure the open air manure storage has a fence installed around the perimeter and access gates are locked to

3. The open air storage should have manure/drowning hazard signs and dangerous gases signs on all sides of the storage at locations that easily visible and made of all-weather material. Where only stackable manure is being

4. If you must go into the fenced area of the open manure storage, consider wearing a safety harness with life line

5. Never work alone. The second person's role is to summon help in an emergency and assist with rescue without

6. Safety equipment can include air packs and face masks, nylon line with snap buckles, safety harness, first-aid kits, flotation devices, safety signs, and hazardous atmosphere testing kits or monitors.

7. Move slowly around manure storages as the ground can sometimes be uneven and may cause a person to trip or

8. Bystanders and non essential workers should stay away from pump out or other accessible areas.

9. There should be no horseplay near the open manure pit or pumping equipment.

10. If equipment malfunctions during agitating or pumping of the manure, shut all equipment off and remove it from

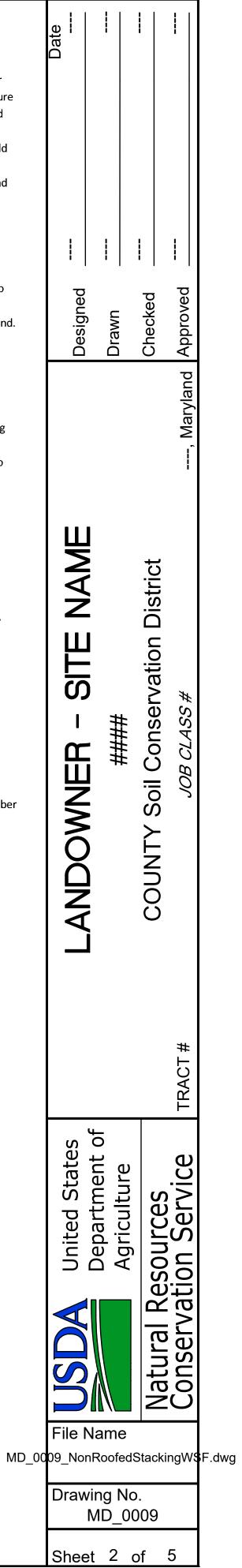
11. If you feel unsure or uncomfortable with what you are getting ready to do near the open manure pit, step back,

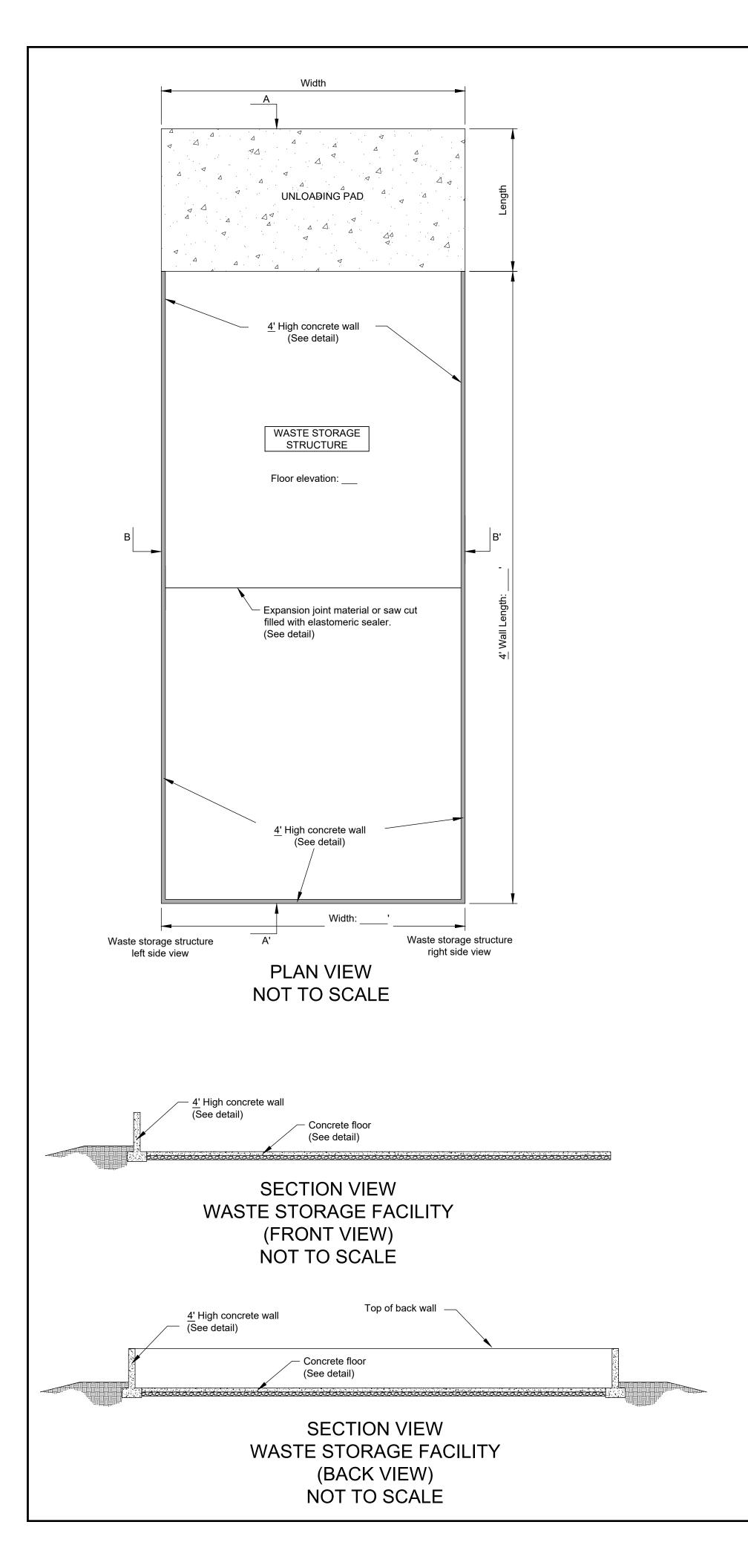
12. Toxic gas, and oxygen deficiency gas monitors can be used to determine if unsafe conditions exist.

13. Be prepared to call 911 if an emergency happens. Being prepared means accurately describing the incident, number of victims, and giving specific directions to the site of the emergency.



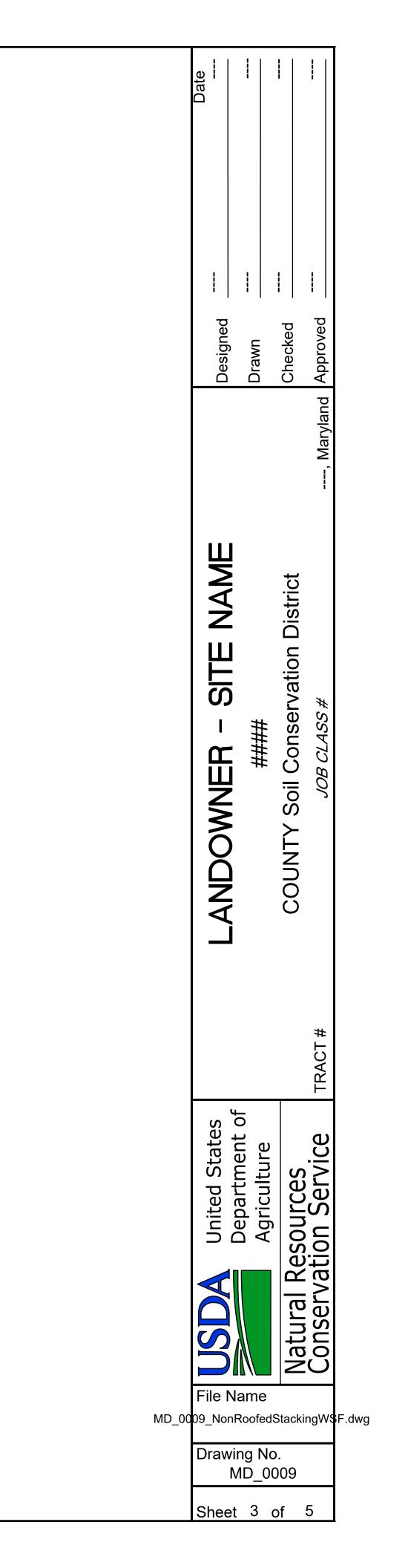
Compaction Requirements

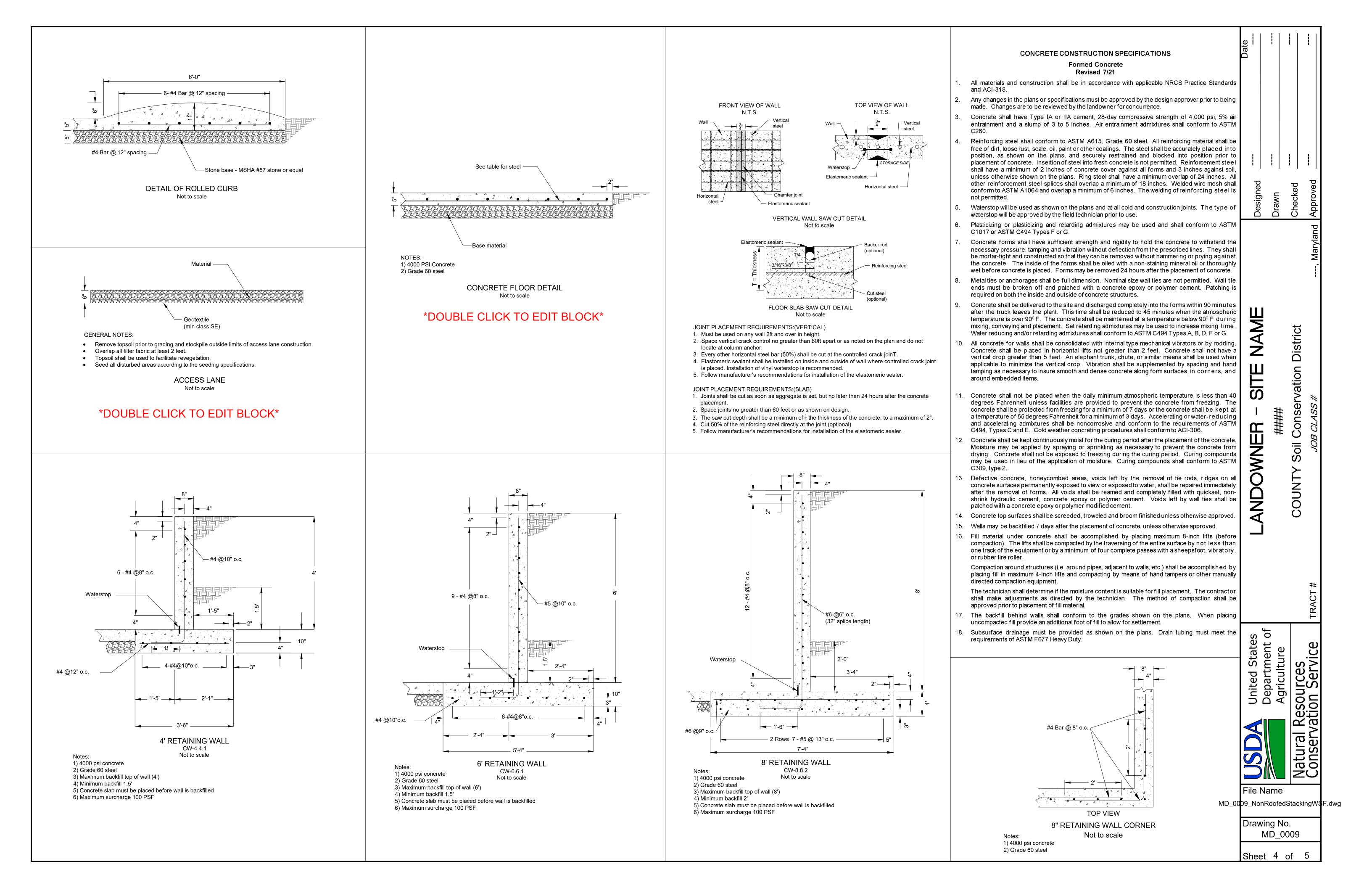


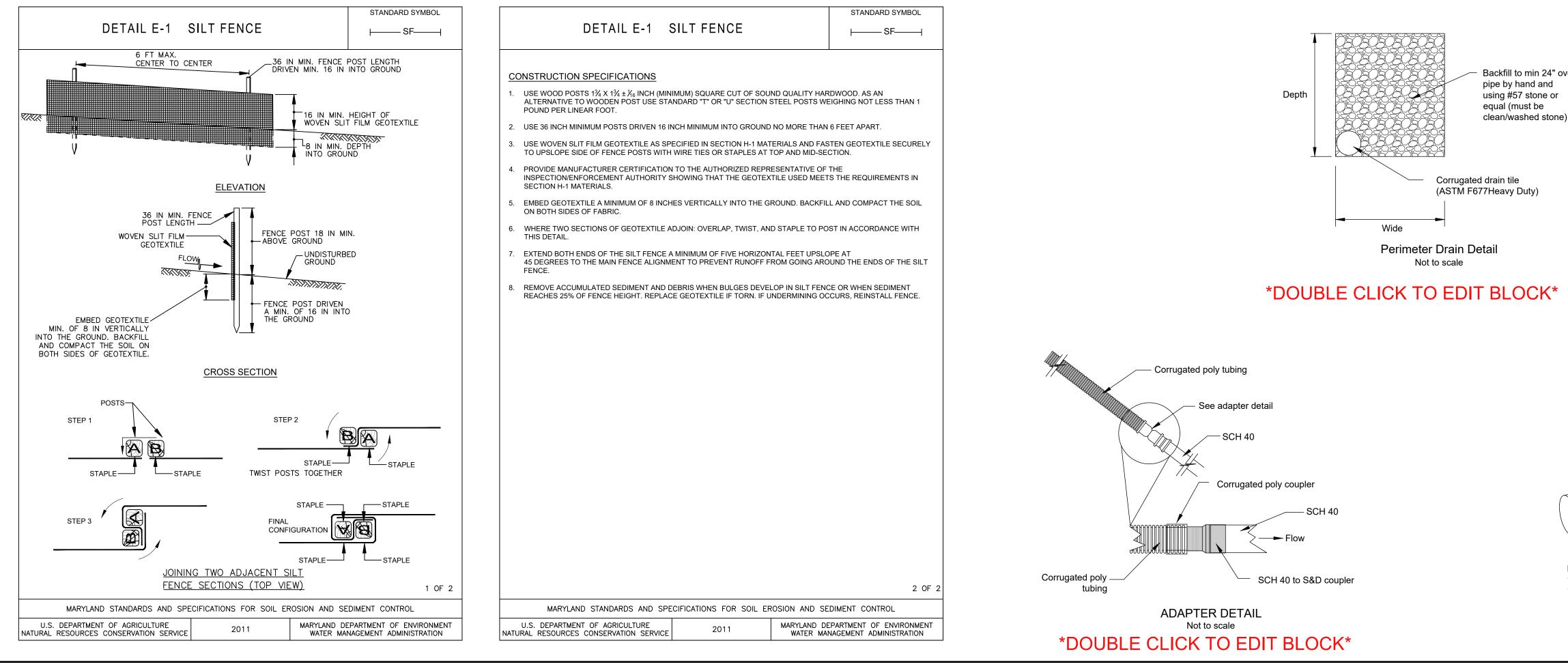


CROSS SECTION A-A'

CROSS SECTION B-B'

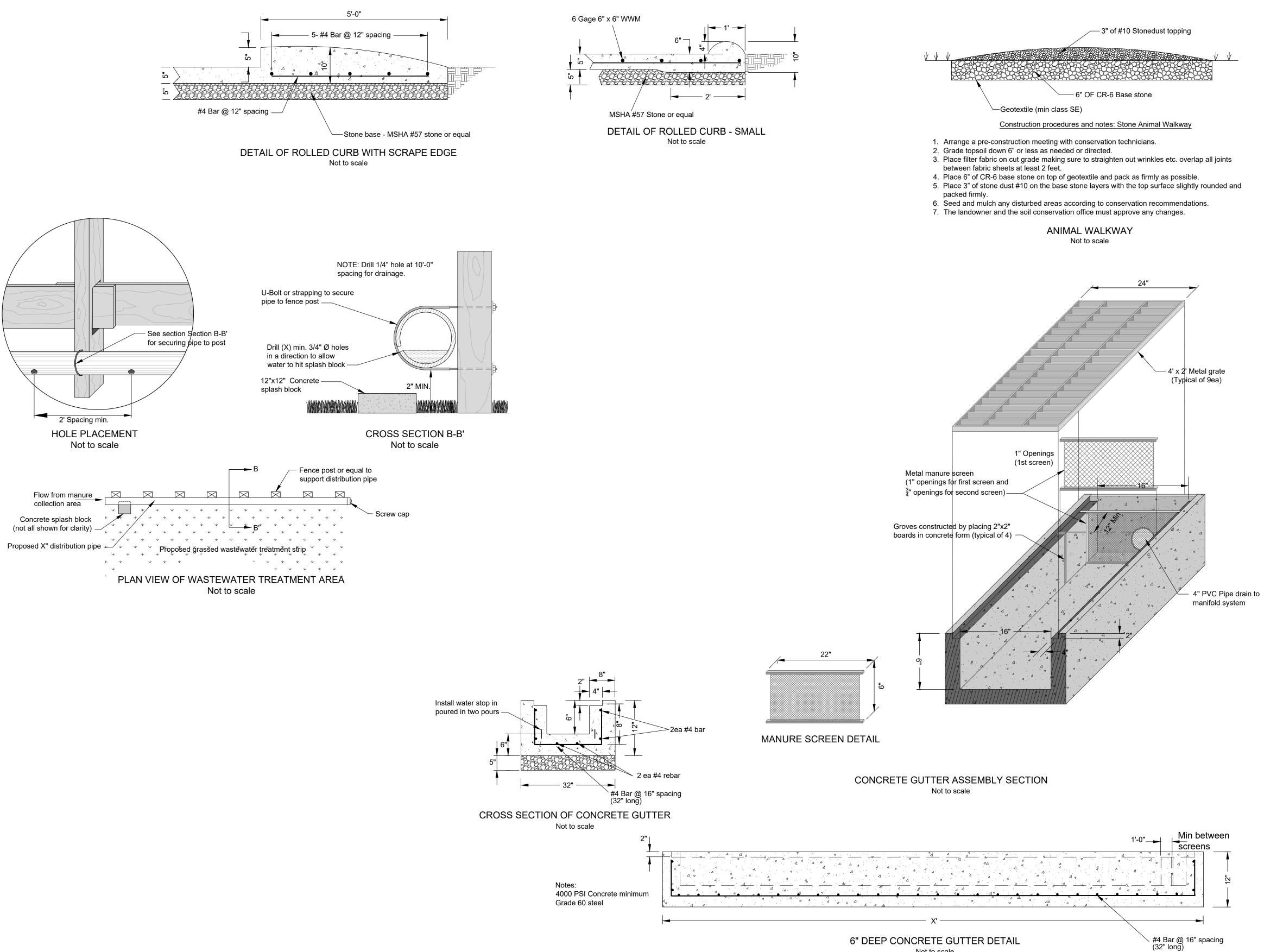


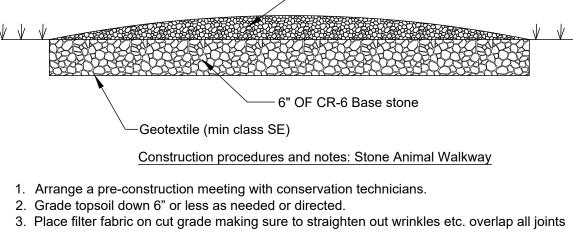




OUTLET PIPE PROFILE *USER TO MODIFY PER DESIGN*

	Date
	Designed Drawn Checked Approved
	Designed Drawn Checked , Maryland Approved
ver	LANDOWNER - SITE NAME #### COUNTY Soil Conservation District JOB CLASS#
	TRACT #
Position the rodent guard far enough in the pipe to allow it to swivel up and let the trash pass without exposing the rodent guard beyond the pipe.	United States Department of Agriculture Natural Resources Conservation Service
SIDE VIEW NOTE: A hole must be drilled in the top of the pipe in order to attach the rodent guard MD_00	File Name 09_NonRoofedStackingW\$F.dwg
within. OUTLET DETAIL Not to scale	Drawing No. MD_0009
DOUBLE CLICK TO EDIT BLOCK	Sheet 5 of 5





6" DEEP CONCRETE GUTTER DETAIL Not to scale