

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.

THE CONTRACTOR/OWNER IS TO NOTIFY THE SOIL CONSERVATION DISTRICT AT LEAST 72 HOURS PRIOR TO CONSTRUCTION TO SCHEDULE A PRECONSTRUCTION MEETING, FACILITATE ANY SCHEDULING, LAYOUT, OR PRELIMINARY MOBILIZATION NECESSARY TO ENSURE PROPER CONSTRUCTION INSPECTION TO ENABLE APPROPRIATE CERTIFICATION OF THE PROJECT. A CONSERVATION TECHNICIAN SHALL VERIFY CUT/GRADE STAKES AT THE CONTRACTORS REQUEST.

THE OWNER/OPERATOR GIVES PERMISSION FOR MDE AND COE INSPECTION.

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.

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.

LANDOWNER - SITE NAME

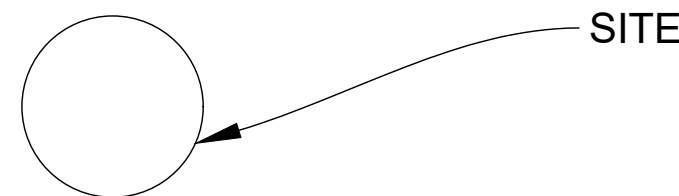
561 POULTRY HEAVY USE AREA PAD



Know what's below.
Call before you dig.

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

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

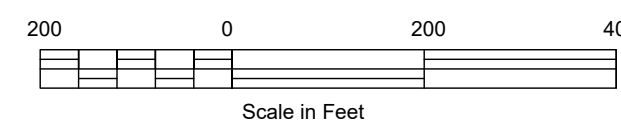


CRITICAL INSPECTION ITEMS - (Poultry Heavy Use Area Pad) 1/23/2021

- 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.
- 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 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, payment may be forfeited if the Technician-in-Charge does not inspect all of the below:
 - Preconstruction Meeting Date: _____ Initials: _____
 - Verify layouts: Date: _____ Initials: _____
 - Verify all subgrades: Date: _____ Initials: _____
 - Verify all subgrade materials CR-6 etc: Date: _____ Initials: _____
 - Concrete Pad in accordance with specifications: Date: _____ Initials: _____
 - Subgrade: Date: _____ Initials: _____
 - Floor Steel Size and Installation: Date: _____ Initials: _____
 - Proper Concrete Placement and Depth: Date: _____ Initials: _____
 - Properly spaced and installed Construction Joints: Date: _____ Initials: _____
 - Proper curing of concrete: Date: _____ Initials: _____
 - Backfill placement and compaction: Date: _____ Initials: _____
 - All disturbed areas seeded and mulched: Date: _____ Initials: _____
 - Other items shown on the plans: Date: _____ Initials: _____

REVISED 7/1/2021

LOCATION MAP



USER TO INSERT SHEET LIST TABLE

AS-BUILT STATEMENT

THE CONSERVATION PRACTICE(S) MEETS OR EXCEEDS NRCS STANDARDS AND SPECIFICATIONS

INSPECTED BY _____ SIGNATURE _____ DATE _____

CONSTRUCTION APPROVAL _____ SIGNATURE _____ DATE _____

VERIFIED DISTRICT CONSERVATIONIST _____ SIGNATURE _____ DATE _____

AS BUILT CONTRACT ITEMS:

| PRACTICE | Reportable Amount | Contract Amount |
|----------|-------------------|-----------------|
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USER TO ENTER PRACTICES

OWNER/CONTRACTOR STATEMENT

I CERTIFY THAT THIS DESIGN HAS BEEN EXPLAINED TO ME BY A REPRESENTATIVE OF THE COUNTY SOIL CONSERVATION DISTRICT, AND I UNDERSTAND THE CONTENTS. ALL CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND SPECIFICATIONS. I FURTHER UNDERSTAND THAT ALL CONSTRUCTION WILL BE UNDER THE INSPECTION OF THIS OFFICE.

OWNER/OPERATOR SIGNATURE _____ DATE _____

CONTRACTOR'S SIGNATURE _____ DATE _____

All disturbed areas to be stabilized within 7 days of completion, using the following recommendations.

Seeding Recommendations

| | |
|--|------------|
| Tall Fescue | 65 lb/ac |
| Perennial Ryegrass or Redtop (tolerates moist sites) | 5 lb/ac |
| White Clover | 2 lb/ac |
| 20-40-40 Fertilizer | 5 lb/ac |
| Ground lime 50% oxides | 500 lb/ac |
| Straw Mulch | 3 tons /ac |
| | 2 tons/ac |

Dates listed are for plant hardiness Zone 6B, dates will need to be changed for other zones.

Seeding Dates
March 1 thru May 15
August 1 thru October 1

It is the landowner responsibility to obtain All County, State, and Federal permits that may be needed, and to maintain this structure and those regulations.

USER TO ENTER SEEDING INFO MATERIALS LIST

* For bidding purposes only



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

Date _____

Designed _____

Drawn _____

Checked _____

Approved _____

LANDOWNER - SITE NAME

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COUNTY Soil Conservation District

JOB CLASS # _____

TRACT # _____



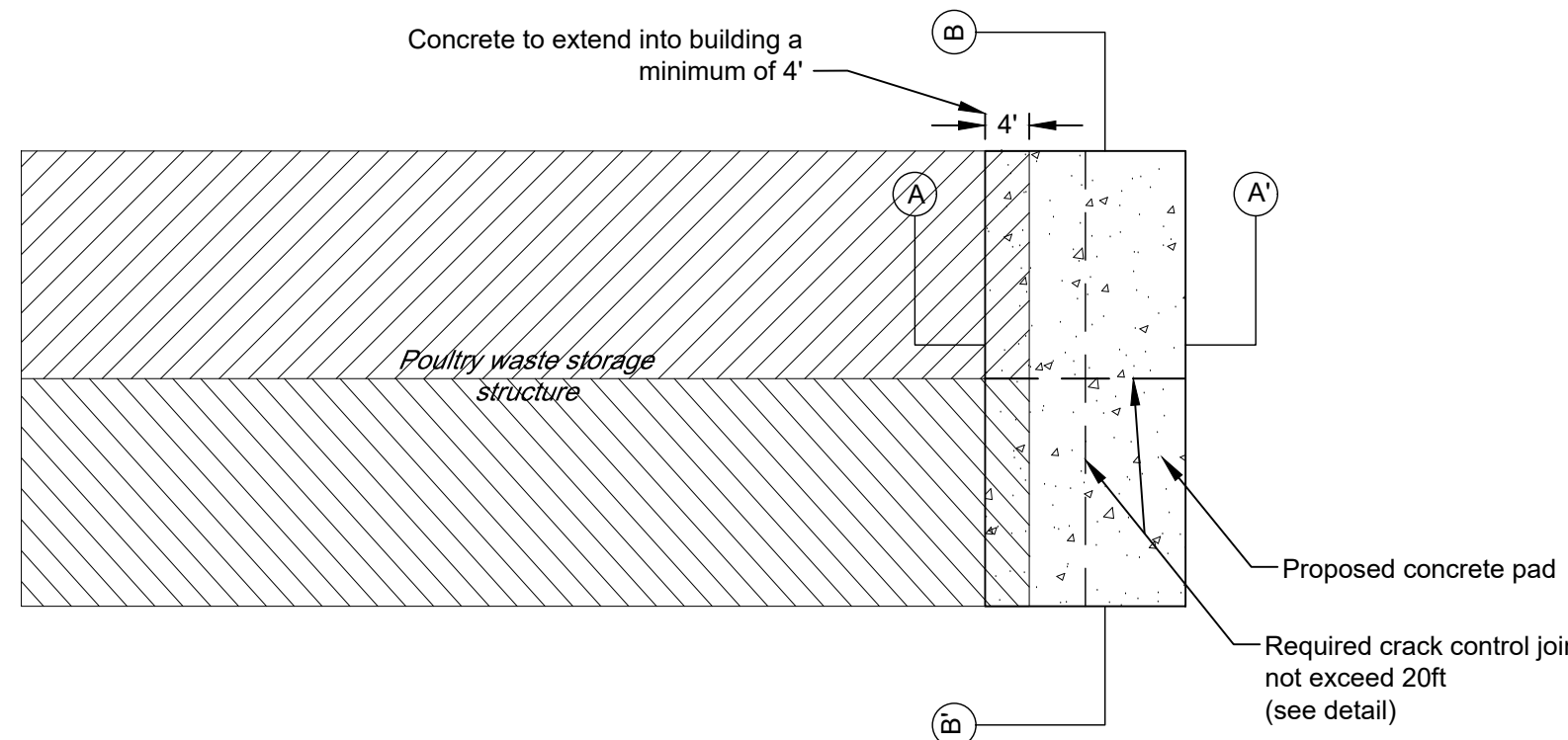
File Name
MD_0024_PoultryHeavyUsePad.dwg

Drawing No.
MD_0024

Sheet 1 of 2

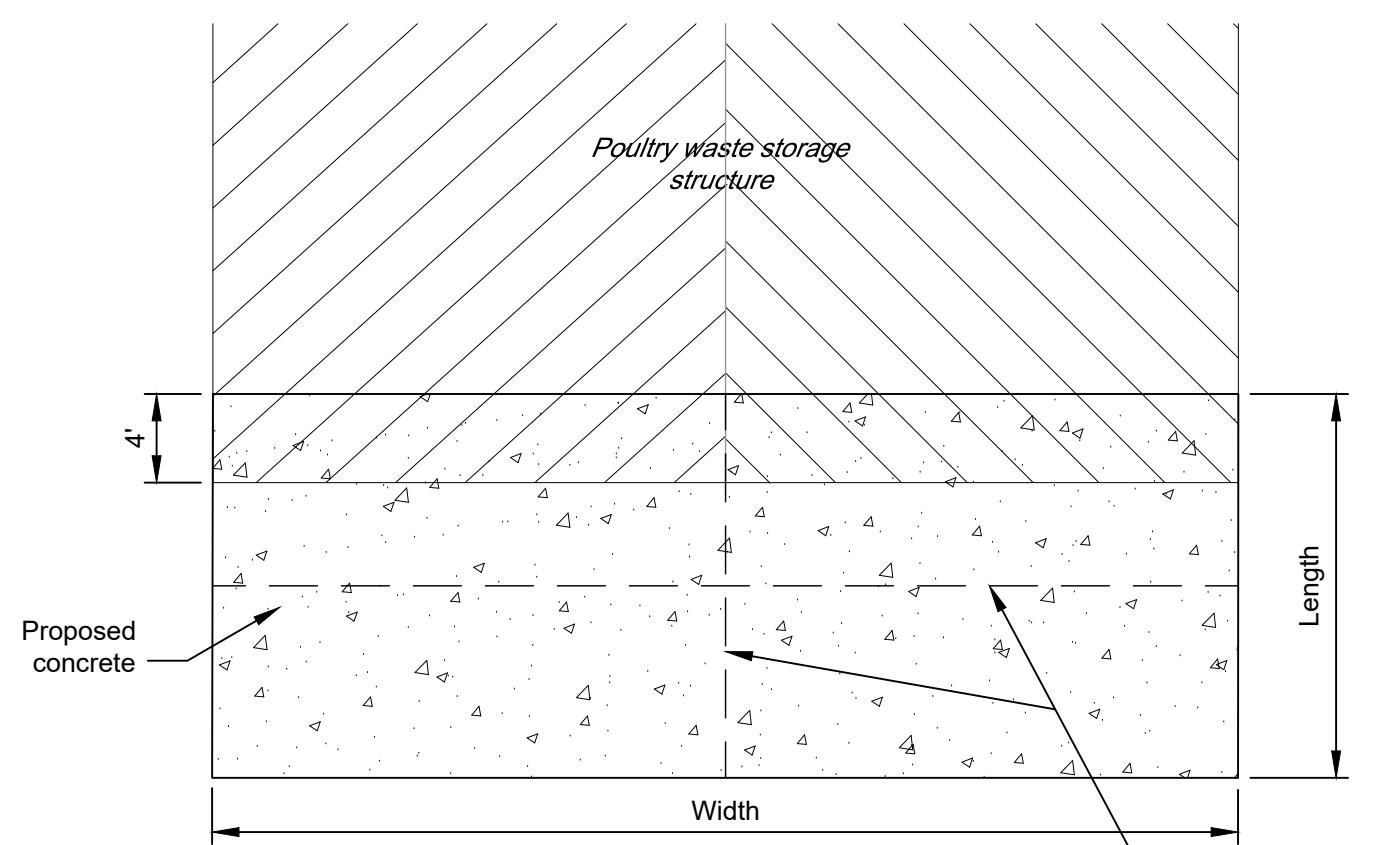


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**PLAN VIEW
NOT TO SCALE**

***DOUBLE CLICK BLOCK TO ENTER LENGTH AND WIDTH OF PAD**



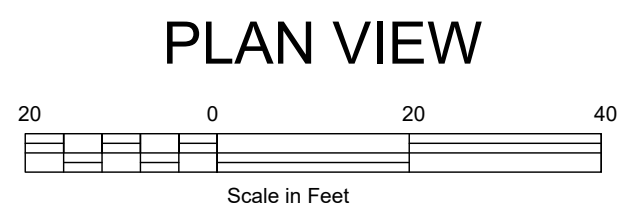
**PLAN VIEW - DIMENSIONS
NOT TO SCALE**

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.

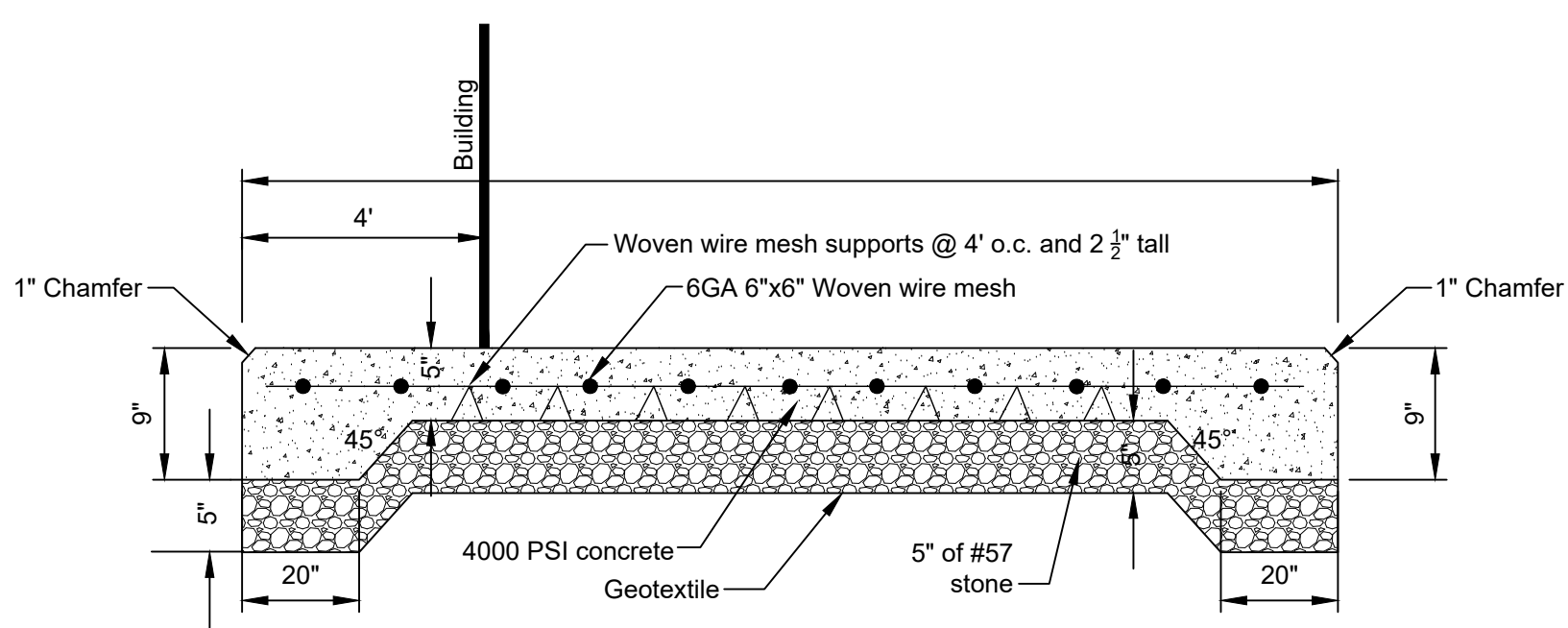
DESIGNER NOTE:

A SITE-SPECIFIC DESIGN IS REQUIRED AND SHALL INCLUDE A LOCATION MAP, PLAN VIEW, DIMENSIONS, SOIL CONDITIONS, HIGH WATER TABLE, DRAINAGE COMPONENTS, AND CONSTRUCTION SPECIFICATIONS NEEDED TO COMPLETE THE PROJECT.



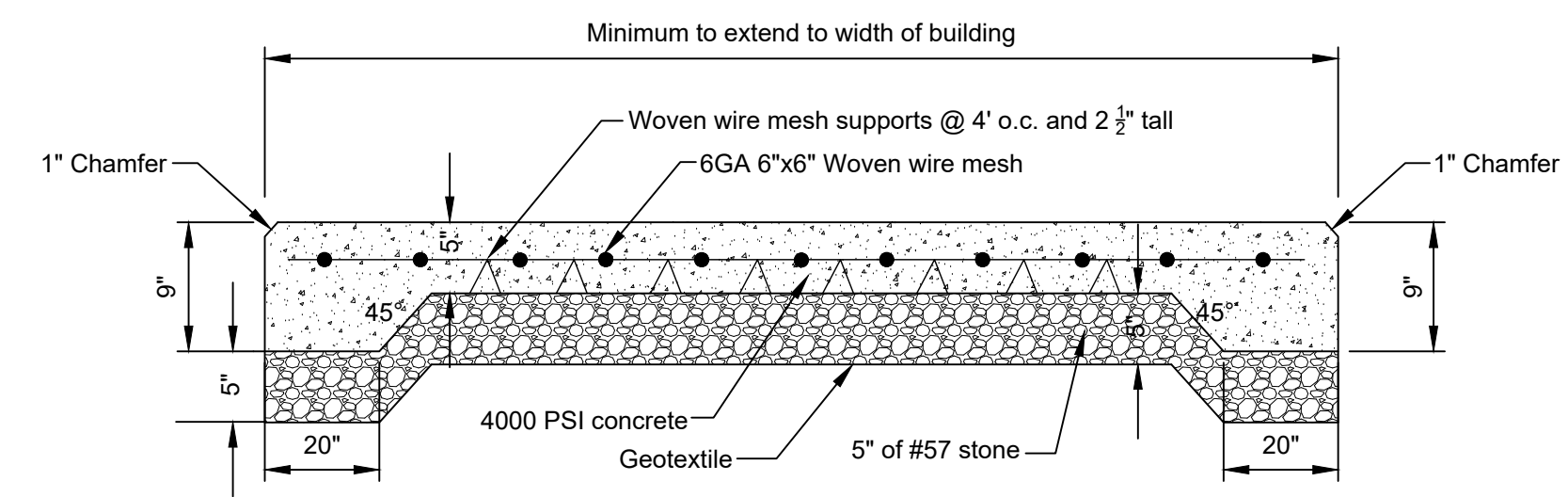
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**SECTION A - A'
NOT TO SCALE**

***DOUBLE CLICK BLOCK TO ENTER WIDTH OF PAD**



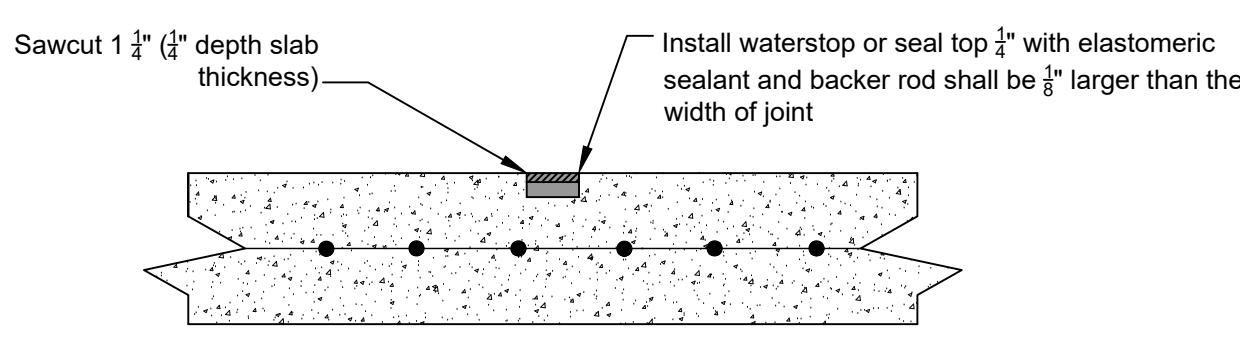
**SECTION B - B'
NOT TO SCALE**

**CONCRETE CONSTRUCTION SPECIFICATIONS
FLAT WORK ONLY – POULTRY HUA
Revised 07/21**

1. All materials and construction shall be in accordance with applicable NRCS Practice Standards and ACI-318.
2. Any changes in the plans or specifications must be approved by the design approver prior to being made. Changes are to be reviewed by the landowner for concurrence.
3. Concrete shall have Type IA or IIA cement, 28-day compressive strength of 4,000 psi, 5% air entrainment and a slump of 3 to 5 inches. Air entrainment admixtures shall conform to ASTM C260.
4. Reinforcing steel shall conform to ASTM A615, Grade 60 steel. All reinforcing material shall be free of dirt, loose rust, scale, oil, paint or other coatings. The steel shall be accurately placed into position, as shown on the plans, and securely restrained and blocked into position prior to placement of concrete. Insertion of steel into fresh concrete is not permitted. Reinforcement steel shall have a minimum of 2 inches of concrete cover against all forms and 3 inches against soil, unless otherwise shown on the plans. All other reinforcement steel splices shall overlap a minimum of 18 inches. Welded wire mesh shall conform to ASTM A1064 and overlap a minimum of 6 inches. The welding of reinforcing steel is not permitted.
5. Waterstop will be used as shown on the plans and at all cold and construction joints. The type of waterstop will be approved by the field technician prior to use.
6. Plasticizing or plasticizing and retarding admixtures may be used and shall conform to ASTM C1017 or ASTM C494 Types F or G.
7. Concrete shall be delivered to the site and discharged completely into the forms within 90 minutes after the truck leaves the plant. This time shall be reduced to 45 minutes when the atmospheric temperature is over 90 degrees Fahrenheit. The concrete shall be maintained at a temperature below 90 degrees Fahrenheit during mixing, conveying and placement. Set retarding admixtures may be used to increase mixing time. Water reducing and/or retarding admixtures shall conform to ASTM C494 Types A, B, D, F or G.
8. Concrete shall not be placed when the daily minimum atmospheric temperature is less than 40 degrees Fahrenheit unless facilities are provided to prevent the concrete from freezing. The concrete shall be protected from freezing for a minimum of 7 days or the concrete shall be kept at a temperature of 55 degrees Fahrenheit for a minimum of 3 days. Accelerating or water-reducing and accelerating admixtures shall be noncorrosive and conform to the requirements of ASTM C494, Types C and E. Cold weather concreting procedures shall conform to ACI-306.
9. Concrete shall be kept continuously moist for the curing period after the placement of the concrete. Moisture may be applied by spraying or sprinkling as necessary to prevent the concrete from drying. Concrete shall not be exposed to freezing during the curing period. Curing compounds may be used in lieu of the application of moisture. Curing compounds shall conform to ASTM C309, Type 2.
10. Defective concrete, honeycombed areas, voids left by the removal of tie rods, ridges on all concrete surfaces permanently exposed to view or exposed to water, shall be repaired immediately after the removal of forms. All voids shall be reamed and completely filled with quickset, non-shrink hydraulic cement.
11. Concrete surfaces shall be screeded, floated, troweled and broom finished unless otherwise approved.
12. Fill material under concrete shall be accomplished by placing maximum 8-inch lifts (before compaction). The lifts shall be compacted by the transversing of the entire surface by not less than one track of the equipment or by a minimum of four complete passes with a sheepfoot, vibratory, or rubber tire roller. Compaction around structure (i.e. around pipes, adjacent to walls, etc.) shall be accomplished by placing fill in maximum 4-inch lifts (before compaction) and compacting by means of hand tampers or other manually directed compaction equipment. The technician shall determine if the moisture content is suitable for fill placement. The contractor shall make adjustments as directed by the technician. The method of compaction shall be approved prior to placement of fill material.

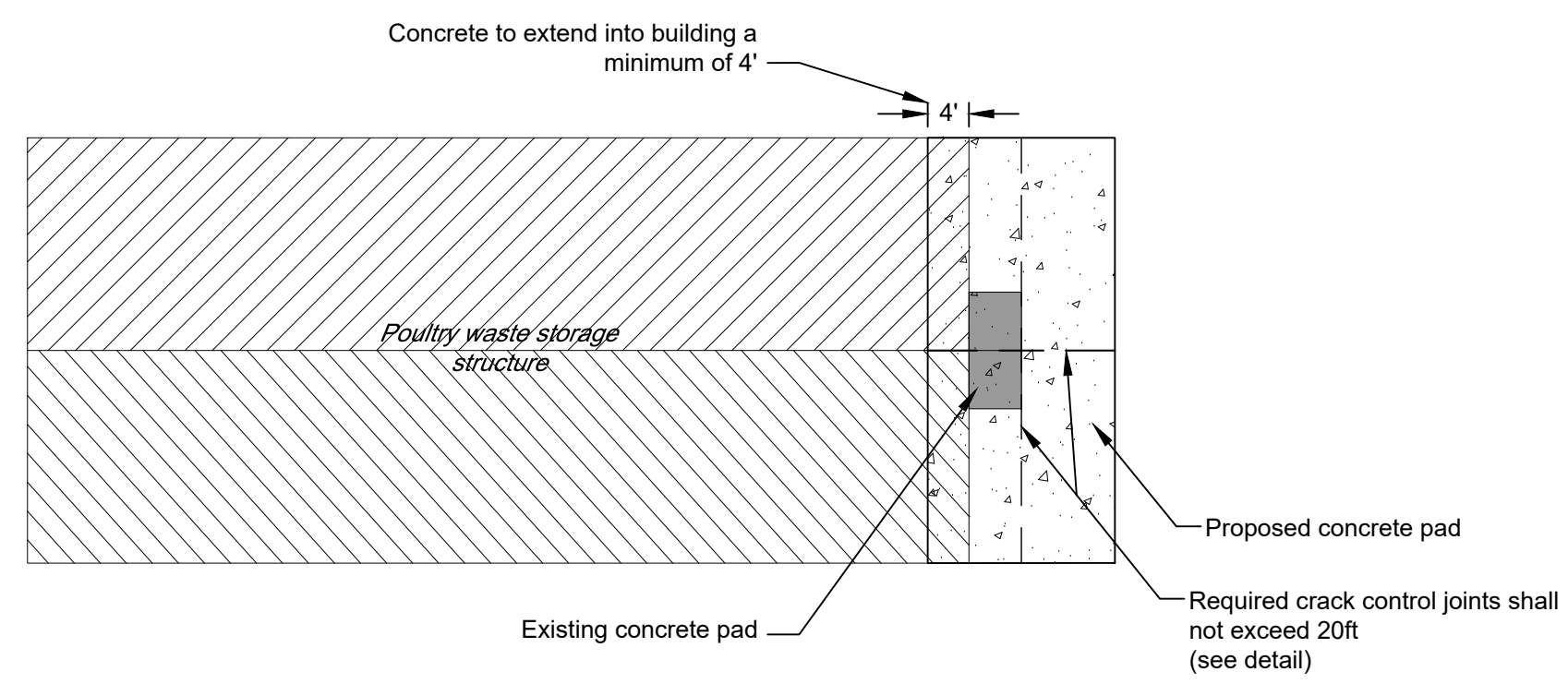
Note: Geotextile to meet the following Maryland State Highway Administration requirements:

| Maryland Application Class | Type of Geotextile | Grab Strength Lb D 4632 | Puncture Strength Lb D 4833 | Permeability Sec 1 | Apparent Opening Size Max Mm D 4751 | Trapezoid Tear Strength Lb D 4533 |
|----------------------------|--------------------|-------------------------|-----------------------------|--------------------|-------------------------------------|-----------------------------------|
| SE | NONWOVEN | 200 | 80 | 0.2 | 0.3 | 80 |
| | WOVEN | 250 | 90 | 0.2 | 0.3 | 90 |



**CRACK CONTROL DETAIL
NOT TO SCALE**

If constructing the concrete pad around an existing concrete pad, use an expansion joint material between the pads. If the existing concrete pad is determined not to be durable then remove it and pour the new pad in its place. On poultry house pads, all outside edges shall be thickened. Thickened edges shall be formed with 2x10 lumber.



**PLAN VIEW
NOT TO SCALE**

| | |
|----------|-------|
| Date | _____ |
| Designed | _____ |
| Drawn | _____ |
| Checked | _____ |
| Approved | _____ |

LANDOWNER – SITE NAME

COUNTY Soil Conservation District
JOB CLASS # _____, Maryland

File Name
MD_0024_PoultryHeavyUsePad.dwg

Drawing No.
MD_0024