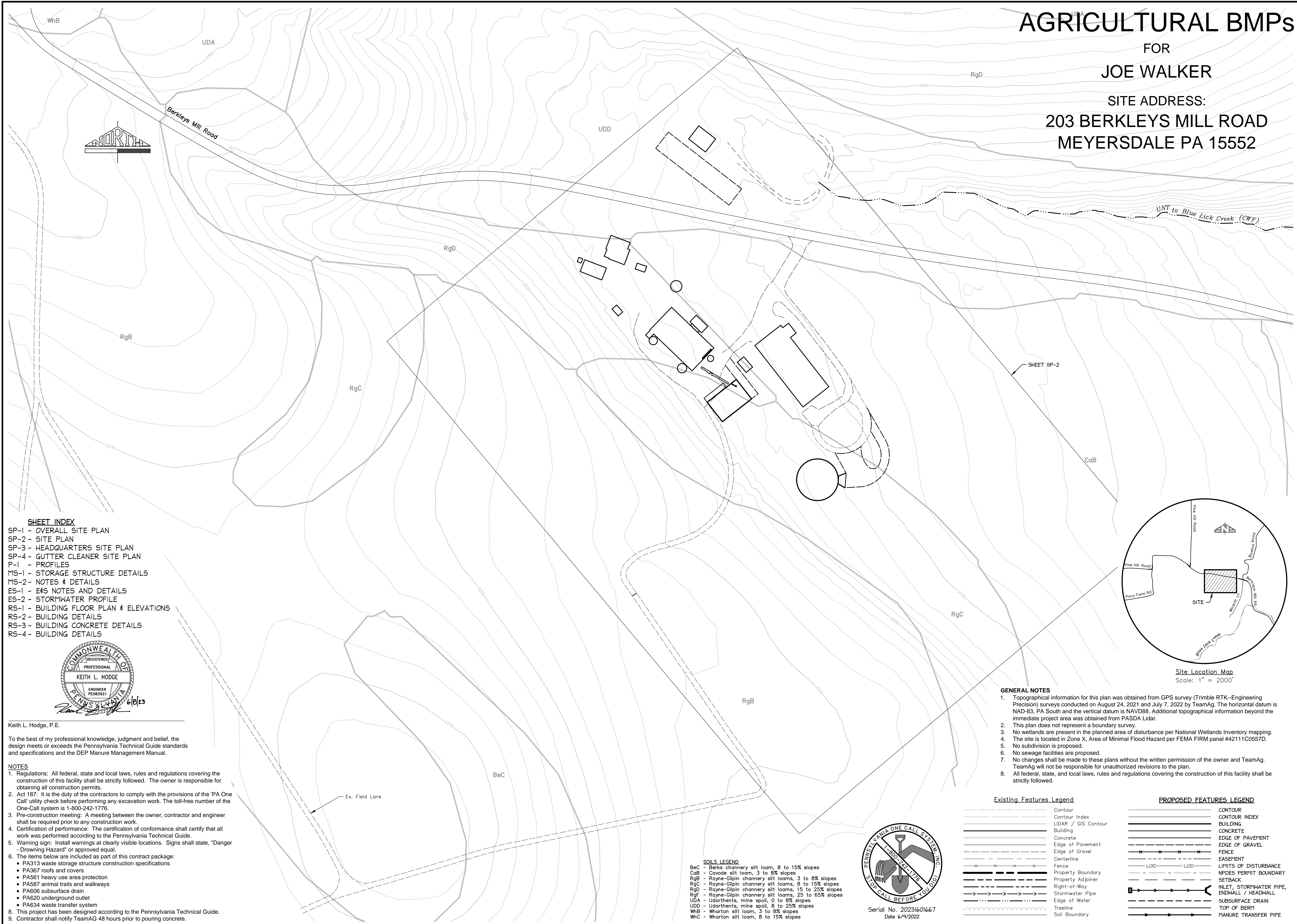


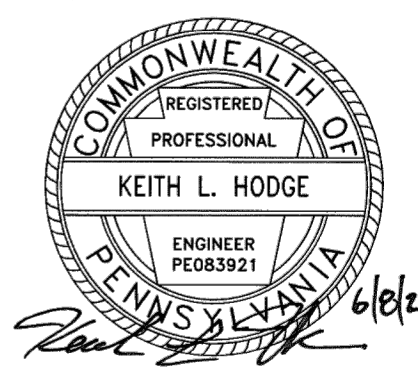
# AGRICULTURAL BMPs

FOR  
**JOE WALKER**

SITE ADDRESS:  
**203 BERKLEYS MILL ROAD  
MEYERSDALE PA 15552**



- SHEET INDEX**
- SP-1 - OVERALL SITE PLAN
  - SP-2 - SITE PLAN
  - SP-3 - HEADQUARTERS SITE PLAN
  - SP-4 - GUTTER CLEANER SITE PLAN
  - P-1 - PROFILES
  - MS-1 - STORAGE STRUCTURE DETAILS
  - MS-2 - NOTES & DETAILS
  - ES-1 - E&S NOTES AND DETAILS
  - ES-2 - STORMWATER PROFILE
  - RS-1 - BUILDING FLOOR PLAN & ELEVATIONS
  - RS-2 - BUILDING DETAILS
  - RS-3 - BUILDING CONCRETE DETAILS
  - RS-4 - BUILDING DETAILS



Keith L. Hodge, P.E.  
To the best of my professional knowledge, judgment and belief, the design meets or exceeds the Pennsylvania Technical Guide standards and specifications and the DEP Manure Management Manual.

- NOTES**
1. Regulations: All federal, state and local laws, rules and regulations covering the construction of this facility shall be strictly followed. The owner is responsible for obtaining all construction permits.
  2. Act 187: It is the duty of the contractors to comply with the provisions of the 'PA One Call' utility check before performing any excavation work. The toll-free number of the One-Call system is 1-800-242-1776.
  3. Pre-construction meeting: A meeting between the owner, contractor and engineer shall be required prior to any construction work.
  4. Certification of performance: The certification of conformance shall certify that all work was performed according to the Pennsylvania Technical Guide.
  5. Warning sign: Install warnings at clearly visible locations. Signs shall state, "Danger - Drowning Hazard" or approved equal.
  6. The items below are included as part of this contract package:
    - PA313 waste storage structure construction specifications
    - PA367 roofs and covers
    - PA561 heavy use area protection
    - PA587 animal trails and walkways
    - PA606 subsurface drain
    - PA620 underground outlet
    - PA634 waste transfer system
  8. This project has been designed according to the Pennsylvania Technical Guide.
  9. Contractor shall notify TeamAG 48 hours prior to pouring concrete.

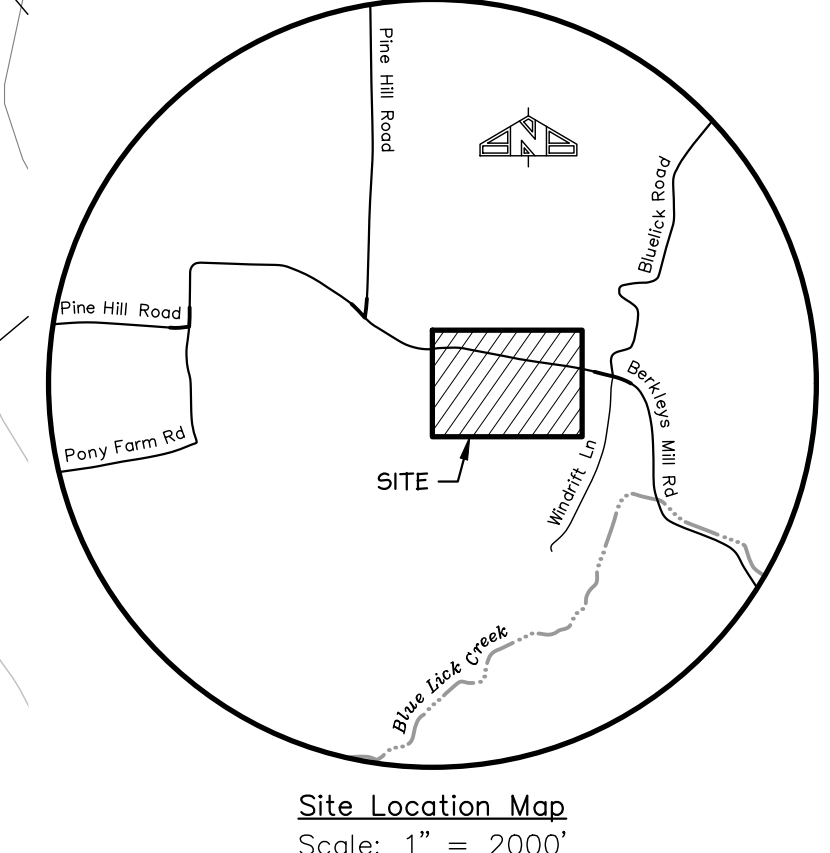
Ex. Field Lane

- SOILS LEGEND**
- BeC - Berks channery silt loam, 8 to 15% slopes
  - CaB - Covado silt loam, 3 to 8% slopes
  - RgB - Royle-Gilpin channery silt loams, 3 to 8% slopes
  - RgC - Royle-Gilpin channery silt loams, 8 to 15% slopes
  - RgD - Royle-Gilpin channery silt loams, 15 to 25% slopes
  - RgF - Royle-Gilpin channery silt loams, 25 to 65% slopes
  - UDA - Udorthents, mine spoil, 0 to 8% slopes
  - UDD - Udorthents, mine spoil, 8 to 25% slopes
  - WhB - Wharton silt loam, 3 to 8% slopes
  - WhC - Wharton silt loam, 8 to 15% slopes



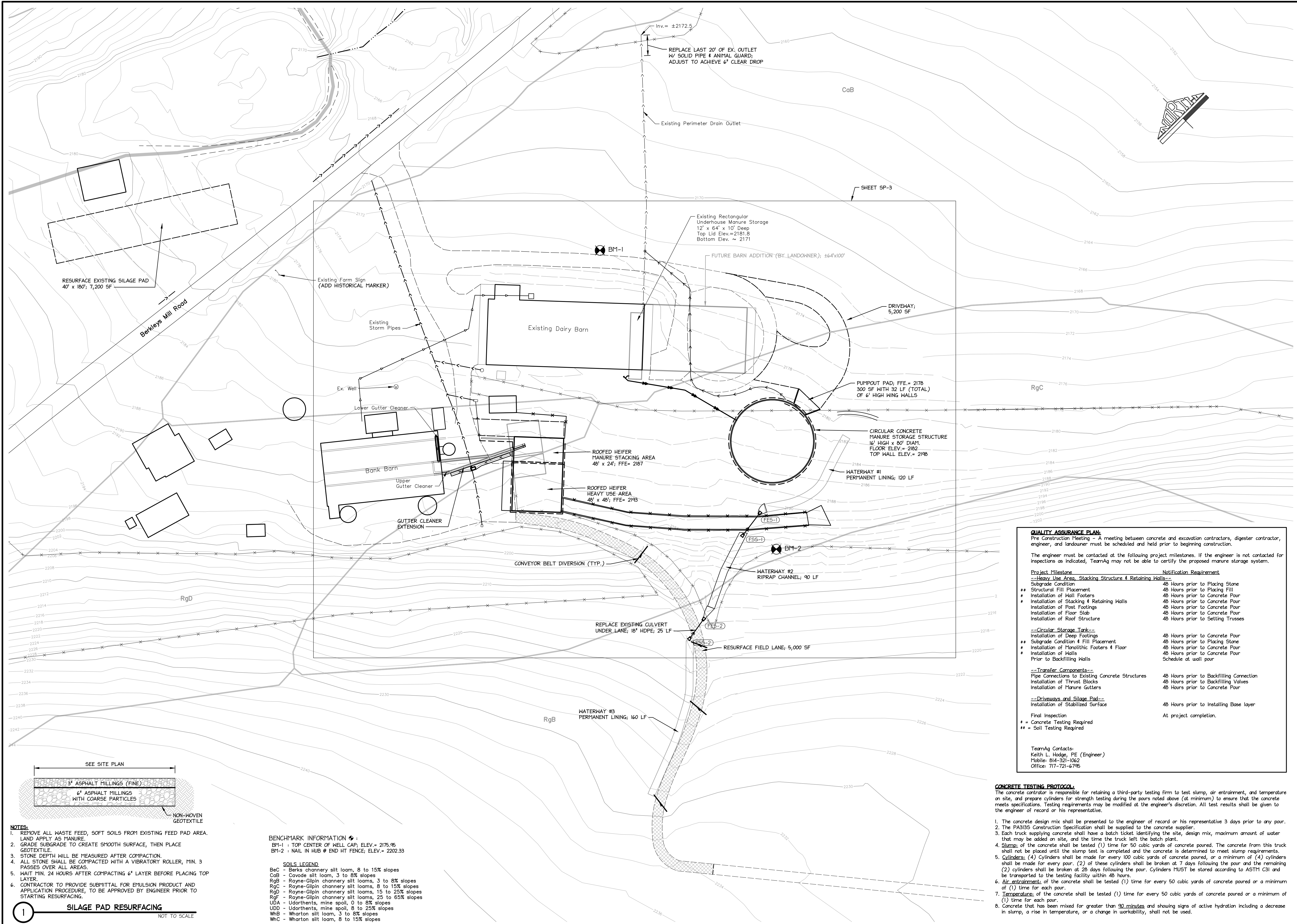
- GENERAL NOTES**
1. Topographical information for this plan was obtained from GPS survey (Trimble RTK-Engineering Precision) surveys conducted on August 24, 2021 and July 7, 2022 by TeamAg. The horizontal datum is NAD83, PA South and the vertical datum is NAVD88. Additional topographical information beyond the immediate project area was obtained from PASDA Lidar.
  2. This plan does not represent a boundary survey.
  3. No wetlands are present in the planned area of disturbance per National Wetlands Inventory mapping.
  4. The site is located in Zone X, Area of Minimal Flood Hazard per FEMA FIRM panel #42111C0557D.
  5. No subdivision is proposed.
  6. No sewage facilities are proposed.
  7. No changes shall be made to these plans without the written permission of the owner and TeamAg. TeamAg will not be responsible for unauthorized revisions to the plan.
  8. All federal, state, and local laws, rules and regulations covering the construction of this facility shall be strictly followed.

- |                                 |   |                                 |   |
|---------------------------------|---|---------------------------------|---|
| <b>Existing Features Legend</b> | <ul style="list-style-type: none"> <li>Contour</li> <li>Contour Index</li> <li>LIDAR / GIS Contour</li> <li>Building</li> <li>Concrete</li> <li>Edge of Pavement</li> <li>Edge of Gravel</li> <li>Centerline</li> <li>Fence</li> <li>Property Boundary</li> <li>Property Adjoiner</li> <li>Right-of-Way</li> <li>Stormwater Pipe</li> <li>Edge of Water</li> <li>Treeline</li> <li>Soil Boundary</li> </ul> | <b>PROPOSED FEATURES LEGEND</b> | <ul style="list-style-type: none"> <li>CONTOUR</li> <li>CONTOUR INDEX</li> <li>BUILDING</li> <li>CONCRETE</li> <li>EDGE OF PAVEMENT</li> <li>EDGE OF GRAVEL</li> <li>FENCE</li> <li>EASEMENT</li> <li>LIMITS OF DISTURBANCE</li> <li>NPDES PERMIT BOUNDARY</li> <li>SETBACK</li> <li>INLET, STORMWATER PIPE, ENDWALL / HEADWALL</li> <li>SUBSURFACE DRAIN</li> <li>TOP OF BERM</li> <li>MANURE TRANSFER PIPE</li> </ul> |
|---------------------------------|---|---------------------------------|---|



SEAL	PROJECT MANAGER	REVISION
	KEITH L. HODGE	
DATE	DESIGN BY : KLH	BY
	DRAWN BY : KLH	
PROJECT NO. : 2743-22-02	DATE : 6/9/2023	DATE
<p>PROJECT TITLE: <b>AGRICULTURAL BMPs</b></p> <p>TOWNSHIP: <b>SUMMIT</b></p> <p>COUNTY: <b>SOMERSET</b></p> <p>CLIENT: <b>JOE WALKER</b></p> <p>ADDRESS: <b>203 BERKLEYS MILL ROAD MEYERSDALE, PA 15552</b></p> <p>PHONE: <b>814-444-2786</b></p>		
<p><b>OVERALL SITE PLAN</b></p>		
DRAWING :		<b>SP-1</b>





**QUALITY ASSURANCE PLAN:**  
 Pre Construction Meeting - A meeting between concrete and excavation contractors, digester contractor, engineer, and landowner must be scheduled and held prior to beginning construction.

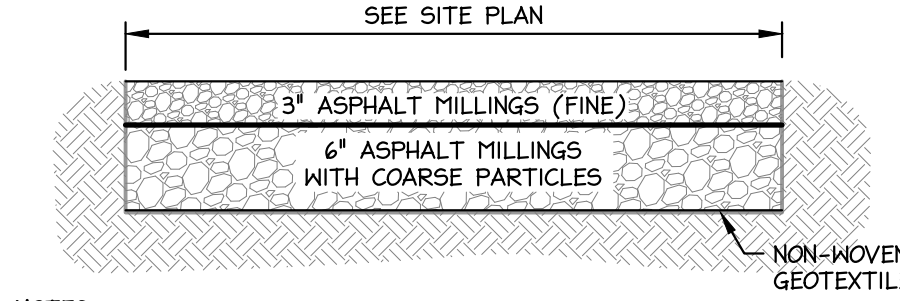
The engineer must be contacted at the following project milestones. If the engineer is not contacted for inspections as indicated, TeamAg may not be able to certify the proposed manure storage system.

Project Milestone	Notification Requirement
<b>--Heavy Use Area, Stacking Structure &amp; Retaining Walls--</b>	
Subgrade Condition	48 Hours prior to Placing Stone
Structural Fill Placement	48 Hours prior to Placing Fill
Installation of Wall Footers	48 Hours prior to Concrete Pour
Installation of Stacking & Retaining Walls	48 Hours prior to Concrete Pour
Installation of Post Footings	48 Hours prior to Concrete Pour
Installation of Floor Slab	48 Hours prior to Concrete Pour
Installation of Roof Structure	48 Hours prior to Setting Trusses
<b>--Circular Storage Tank--</b>	
Installation of Deep Footings	48 Hours prior to Concrete Pour
Subgrade Condition & Fill Placement	48 Hours prior to Placing Stone
Installation of Monolithic Footers & Floor	48 Hours prior to Concrete Pour
Installation of Walls	48 Hours prior to Concrete Pour
Prior to Backfilling Walls	Schedule at wall pour
<b>--Transfer Components--</b>	
Pipe Connections to Existing Concrete Structures	48 Hours prior to Backfilling Connection
Installation of Thrust Blocks	48 Hours prior to Backfilling Valves
Installation of Manure Gutters	48 Hours prior to Concrete Pour
<b>--Driveways and Silage Pad--</b>	
Installation of Stabilized Surface	48 Hours prior to Installing Base layer
Final Inspection	At project completion.
* = Concrete Testing Required	
** = Soil Testing Required	

TeamAg Contacts:  
 Keith L. Hodge, PE (Engineer)  
 Mobile: 814-321-1062  
 Office: 717-721-6795

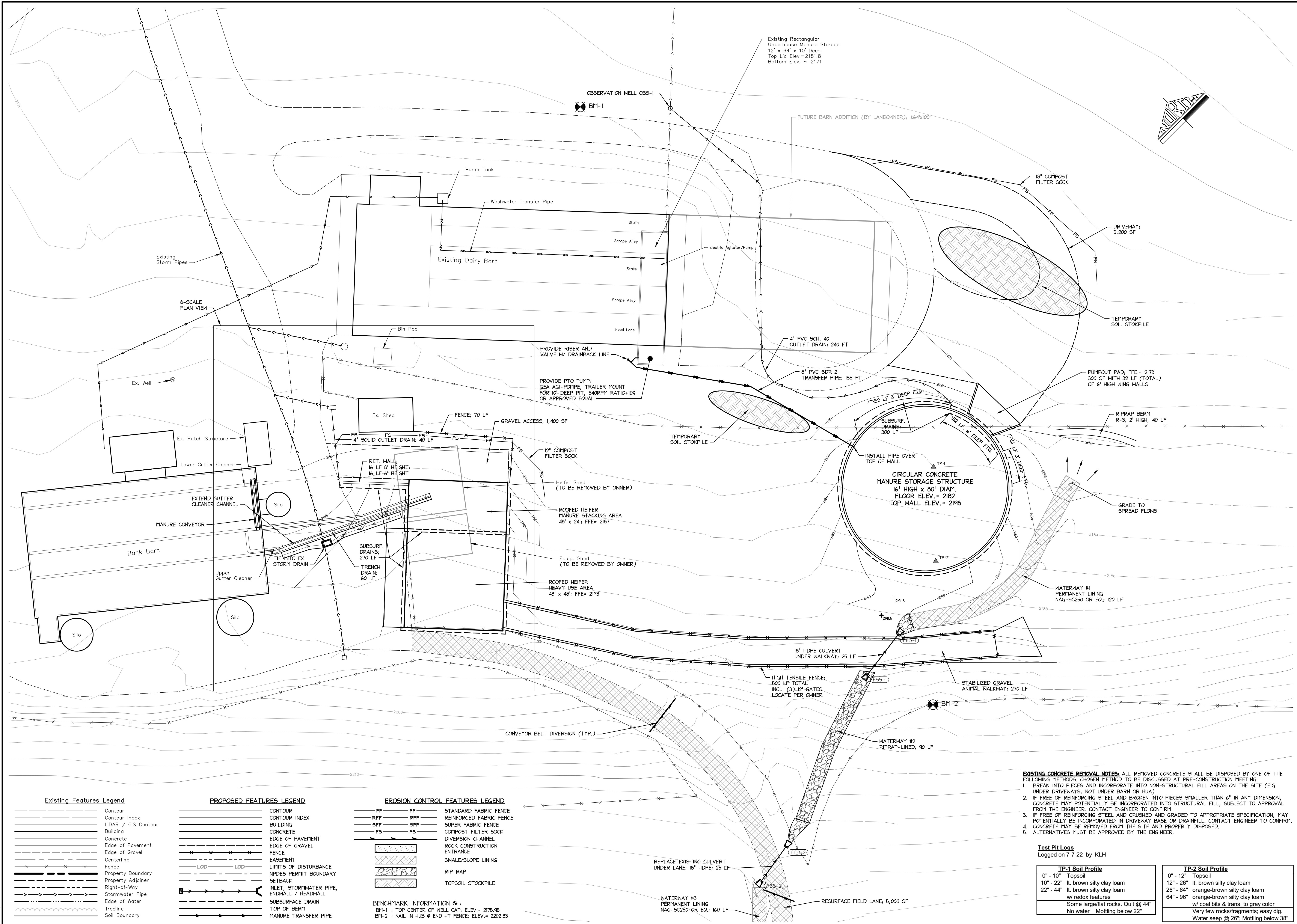
**CONCRETE TESTING PROTOCOL**  
 The concrete contractor is responsible for retaining a third-party testing firm to test slump, air entrainment, and temperature on site, and prepare cylinders for strength testing during the pours noted above (at minimum) to ensure that the concrete meets specifications. Testing requirements may be modified at the engineer's discretion. All test results shall be given to the engineer of record or his representative.

- The concrete design mix shall be presented to the engineer of record or his representative 3 days prior to any pour.
- The PA3155 Construction Specification shall be supplied to the concrete supplier.
- Each truck supplying concrete shall have a batch ticket identifying the site, design mix, maximum amount of water that may be added on site, and the time the truck left the batch plant.
- Slump: of the concrete shall be tested (1) time for every 50 cubic yards of concrete poured. The concrete from this truck shall not be placed until the slump test is completed and the concrete is determined to meet slump requirements.
- Cylinders: (4) Cylinders shall be made for every 100 cubic yards of concrete poured; or a minimum of (4) cylinders shall be made for every pour. (2) of these cylinders shall be broken at 7 days following the pour and the remaining (2) cylinders shall be broken at 28 days following the pour. Cylinders MUST be stored according to ASTM C31 and be transported to the testing facility within 48 hours.
- Air-entrainment: of the concrete shall be tested (1) time for every 50 cubic yards of concrete poured or a minimum of (1) time for each pour.
- Temperature: of the concrete shall be tested (1) time for every 50 cubic yards of concrete poured or a minimum of (1) time for each pour.
- Concrete that has been mixed for greater than 90 minutes and showing signs of active hydration including a decrease in slump, a rise in temperature, or a change in workability, shall not be used.



- NOTES:**
- REMOVE ALL WASTE FEED, SOFT SOILS FROM EXISTING FEED PAD AREA. LAND APPLY AS MANURE.
  - GRADE SUBGRADE TO CREATE SMOOTH SURFACE, THEN PLACE GEOTEXTILE.
  - STONE DEPTH WILL BE MEASURED AFTER COMPACTION.
  - ALL STONE SHALL BE COMPACTED WITH A VIBRATORY ROLLER, MIN. 3 PASSES OVER ALL AREAS.
  - WAIT MIN. 24 HOURS AFTER COMPACTION 6" LAYER BEFORE PLACING TOP LAYER.
  - CONTRACTOR TO PROVIDE SUBMITTAL FOR EMULSION PRODUCT AND APPLICATION PROCEDURE, TO BE APPROVED BY ENGINEER PRIOR TO STARTING RESURFACING.
- BENCHMARK INFORMATION:**
- BM-1 : TOP CENTER OF WELL CAP; ELEV.= 2175.95
  - BM-2 : NAIL IN HUB @ END HT FENCE; ELEV.= 2202.33
- SOILS LEGEND**
- BeC - Berks channery silt loam, 8 to 15% slopes
  - CaB - Cavode silt loam, 3 to 8% slopes
  - RgB - Royne-Gilpin channery silt loams, 3 to 8% slopes
  - RgC - Royne-Gilpin channery silt loams, 8 to 15% slopes
  - RgD - Royne-Gilpin channery silt loams, 15 to 25% slopes
  - RgF - Royne-Gilpin channery silt loams, 25 to 65% slopes
  - UDA - Udarthents, mine spoil, 0 to 8% slopes
  - UDD - Udarthents, mine spoil, 8 to 25% slopes
  - WhB - Wharton silt loam, 3 to 8% slopes
  - WhC - Wharton silt loam, 8 to 15% slopes
- 1 SILAGE PAD RESURFACING**  
 NOT TO SCALE

PROJECT TITLE	AGRICULTURAL BMPs
PROJECT MANAGER	KEITH L. HODGE
DESIGN BY	KLH
DRAWN BY	KLH
DATE	6/8/2023
PROJECT NO.	2743-22-02
REVISION	
BY	
DATE	
SEAL	
CLIENT	JOE WALKER 203 BERKLEYS MILL ROAD MEYERSDALE, PA 15552 814-444-2786
TOWNSHIP	SUMMIT
COUNTY	SOMERSET
DRAWING	SP-2



**Existing Features Legend**

	Contour
	Contour Index
	LIDAR / GIS Contour
	Building
	Concrete
	Edge of Pavement
	Edge of Gravel
	Centerline
	Fence
	Property Boundary
	Property Adjoiner
	Right-of-Way
	Stormwater Pipe
	Edge of Water
	Tie Line
	Soil Boundary

**PROPOSED FEATURES LEGEND**

	CONTOUR
	CONTOUR INDEX
	BUILDING
	CONCRETE
	EDGE OF PAVEMENT
	EDGE OF GRAVEL
	FENCE
	EASEMENT
	LIMITS OF DISTURBANCE
	NPDES PERMIT BOUNDARY
	SETBACK
	INLET, STORMWATER PIPE, ENDWALL / HEADWALL
	SUBSURFACE DRAIN
	TOP OF BERM
	MANURE TRANSFER PIPE

**EROSION CONTROL FEATURES LEGEND**

	FF	STANDARD FABRIC FENCE
	RFF	REINFORCED FABRIC FENCE
	SFF	SUPER FABRIC FENCE
	FS	COMPOST FILTER SOCK
		DIVERSION CHANNEL
		ROCK CONSTRUCTION ENTRANCE
		SHALE/SLOPE LINING
		RIP-RAP
		TOPSOIL STOCKPILE

**BENCHMARK INFORMATION** :  
 BM-1 : TOP CENTER OF WELL CAP; ELEV. = 2175.95  
 BM-2 : NAIL IN HUB @ END HT FENCE; ELEV. = 2202.33

**EXISTING CONCRETE REMOVAL NOTES:** ALL REMOVED CONCRETE SHALL BE DISPOSED BY ONE OF THE FOLLOWING METHODS. CHOSEN METHOD TO BE DISCUSSED AT PRE-CONSTRUCTION MEETING.  
 1. BREAK INTO PIECES AND INCORPORATE INTO NON-STRUCTURAL FILL AREAS ON THE SITE (E.G. UNDER DRIVEWAYS, NOT UNDER BARN OR HUA)  
 2. IF FREE OF REINFORCING STEEL AND BROKEN INTO PIECES SMALLER THAN 6" IN ANY DIMENSION, CONCRETE MAY POTENTIALLY BE INCORPORATED INTO STRUCTURAL FILL, SUBJECT TO APPROVAL FROM THE ENGINEER. CONTACT ENGINEER TO CONFIRM.  
 3. IF FREE OF REINFORCING STEEL AND CRUSHED AND GRADED TO APPROPRIATE SPECIFICATION, MAY POTENTIALLY BE INCORPORATED IN DRIVEWAY BASE OR DRAINFILL. CONTACT ENGINEER TO CONFIRM.  
 4. CONCRETE MAY BE REMOVED FROM THE SITE AND PROPERLY DISPOSED.  
 5. ALTERNATIVES MUST BE APPROVED BY THE ENGINEER.

**Test Pit Logs**  
 Logged on 7-7-22 by KLH

**TP-1 Soil Profile**

0" - 10"	Topsoil
10" - 22"	lt. brown silty clay loam
22" - 44"	lt. brown silty clay loam w/ redox features
Some large/flat rocks. Quit @ 44"	
No water. Mottling below 22"	

**TP-2 Soil Profile**

0" - 12"	Topsoil
12" - 26"	lt. brown silty clay loam
26" - 64"	orange-brown silty clay loam
64" - 96"	orange-brown silty clay loam w/ coal bits & trans. to gray color
Very few rocks/fragments; easy dig.	
Water seep @ 26"; Mottling below 38"	

<b>PROJECT TITLE</b>	<b>AGRICULTURAL BMPs</b>	<b>PROJECT MANAGER</b>	KEITH L. HODGE
<b>CLIENT</b>	JOE WALKER 203 BERKLEYS MILL ROAD MEYERSDALE, PA 15522	<b>DESIGN BY</b>	KLH
<b>SUMMIT TOWNSHIP</b>	SOMERSET COUNTY	<b>DRAWN BY</b>	KLH
<b>REVISION</b>		<b>DATE</b>	6/8/2023
<b>BY</b>		<b>PROJECT NO.</b>	27A3-22-02
<b>DATE</b>		<b>SEAL</b>	

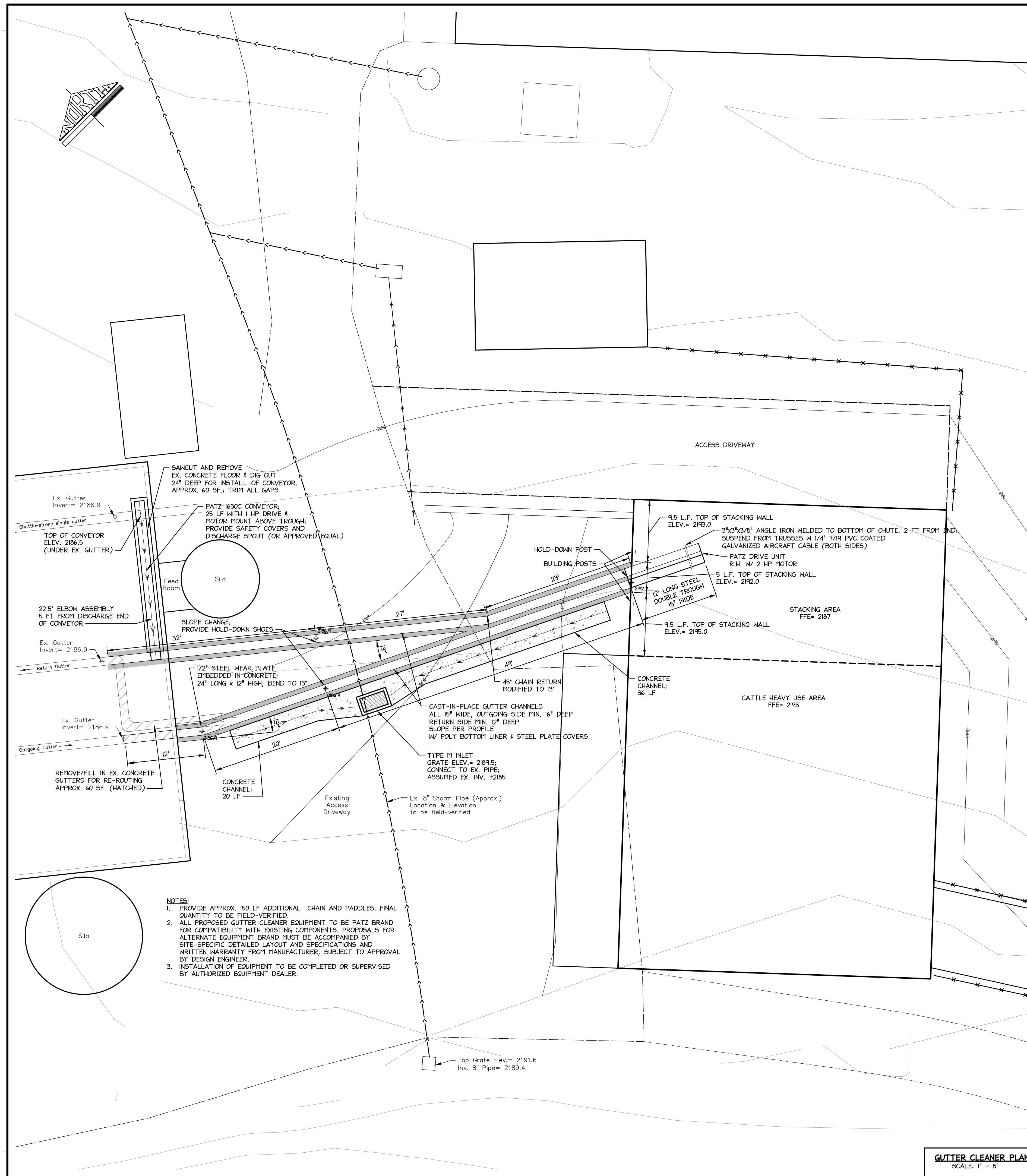
120 LAKE STREET  
 EPHRATA, PA 17522  
 PHONE: 717-721-6795 FAX: 717-721-9275  
 www.teamaginc.com TeamAg@teamaginc.com

1" = 20'  
 20' SCALE  
 40' SCALE  
 60' SCALE

**HEADQUARTERS SITE PLAN**

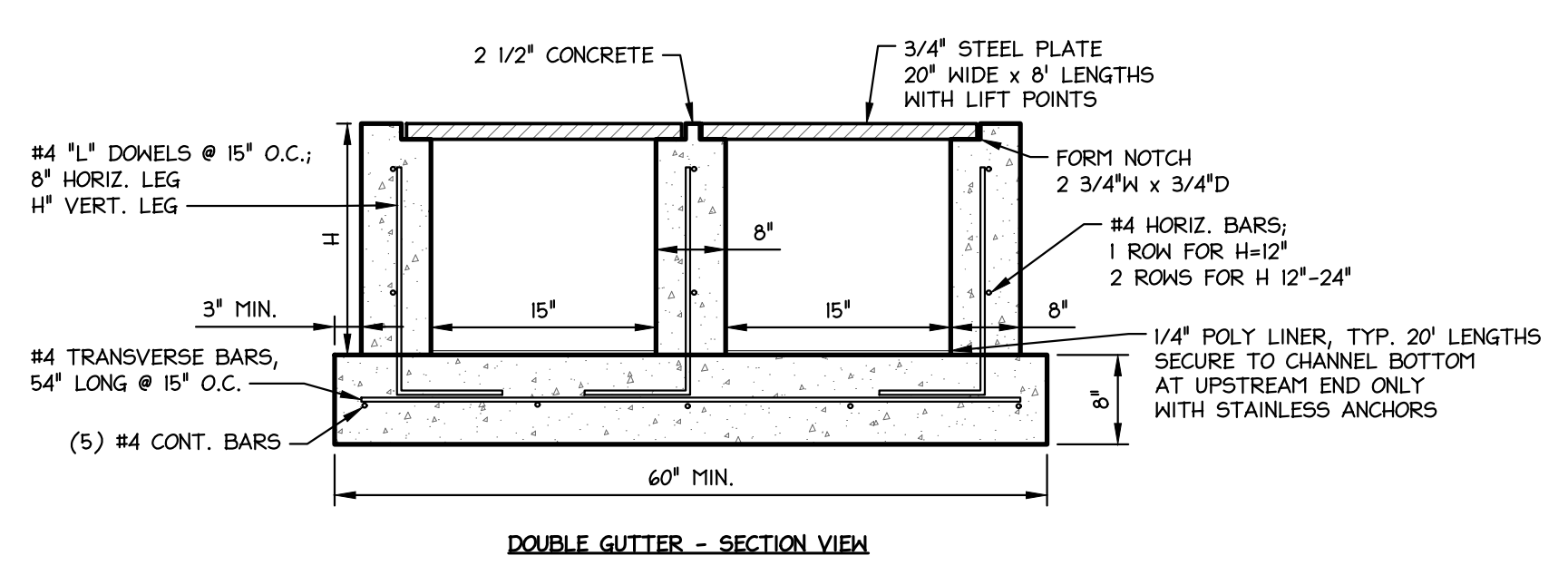
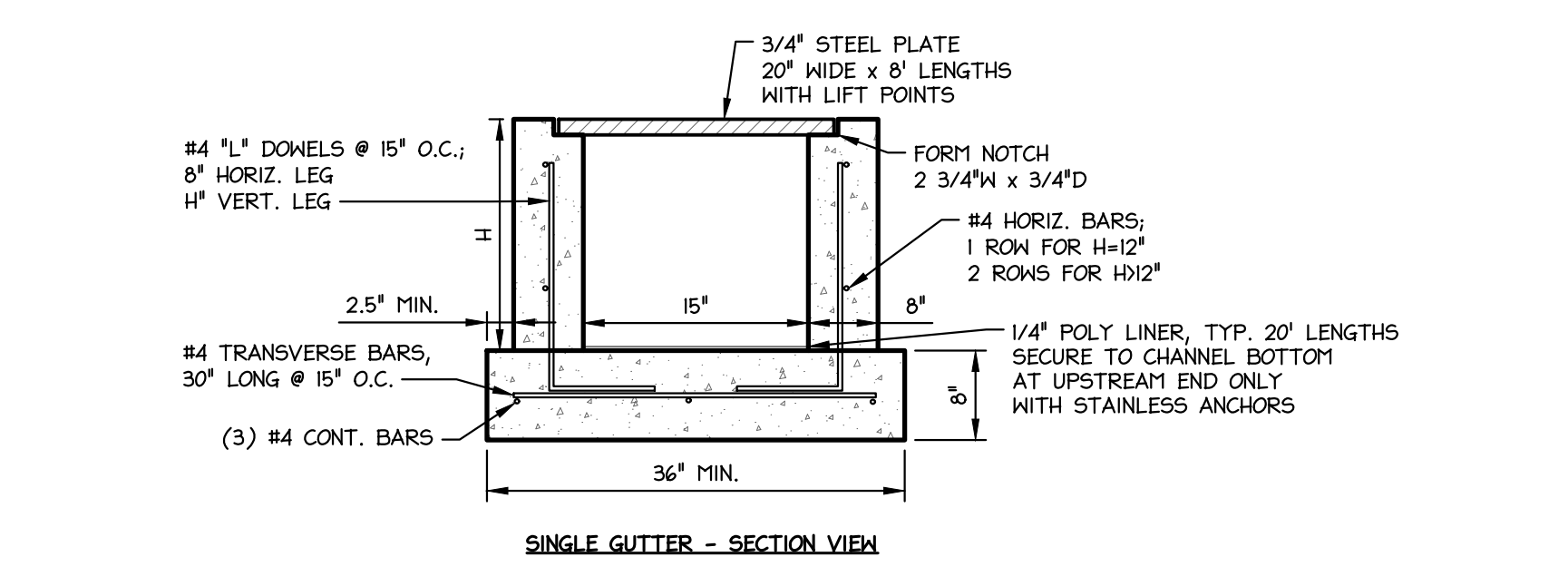
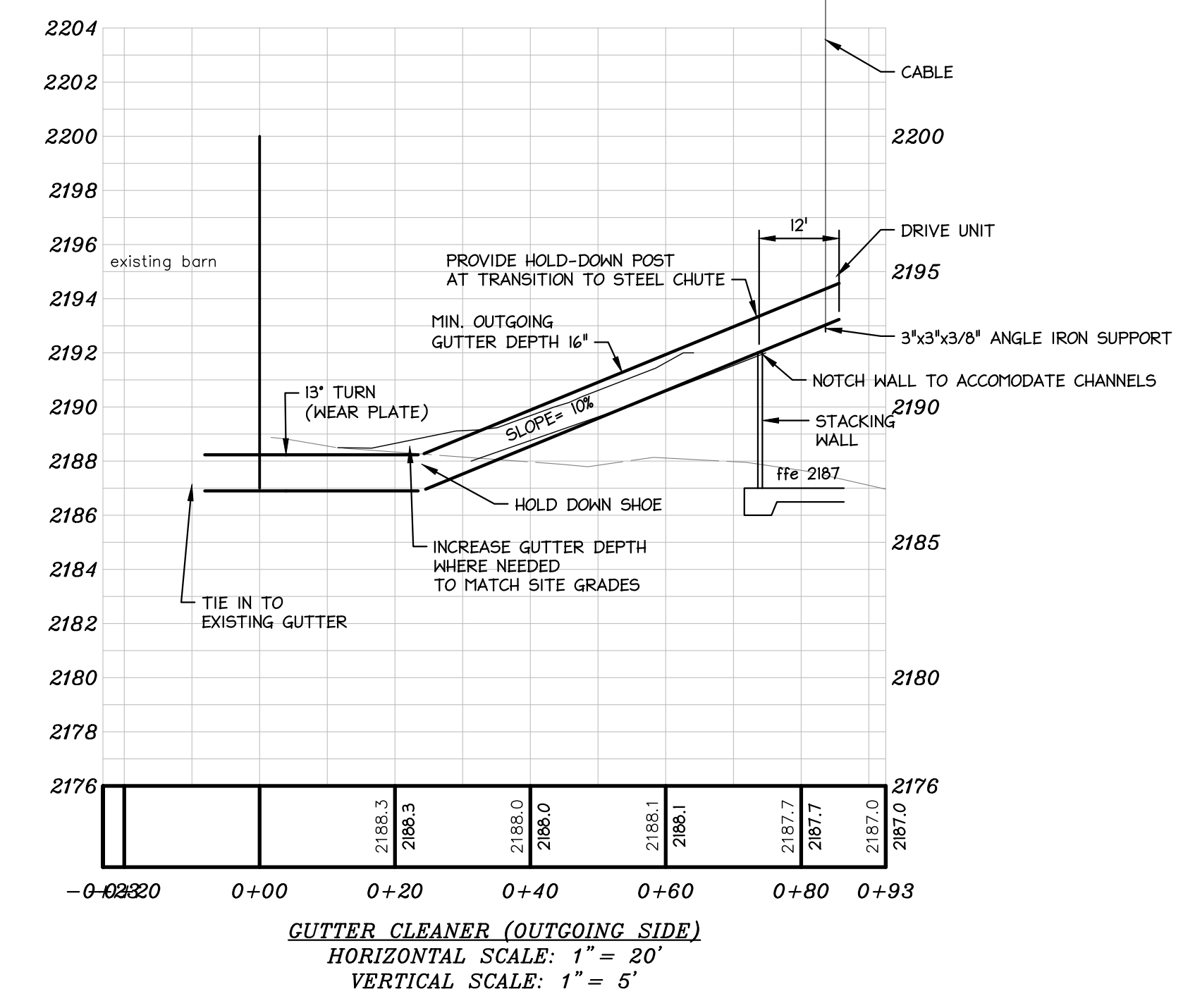
DRAWING : **SP-3**





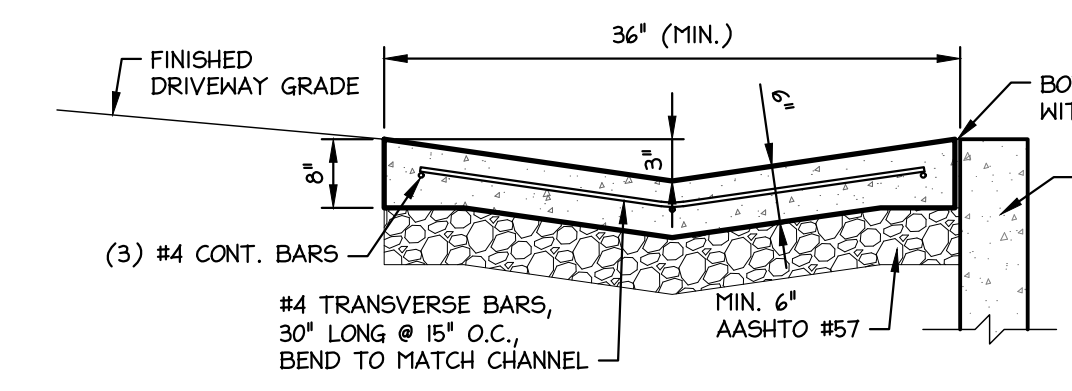
- NOTES:**
1. PROVIDE APPROX. 150 LF ADDITIONAL CHAIN AND PADDLES. FINAL QUANTITY TO BE FIELD-VERIFIED.
  2. ALL PROPOSED GUTTER CLEANER EQUIPMENT TO BE PATZ BRAND FOR COMPATIBILITY WITH EXISTING COMPONENTS. PROPOSALS FOR ALTERNATE EQUIPMENT BRAND MUST BE ACCOMPANIED BY SITE-SPECIFIC DETAILED LAYOUT AND SPECIFICATIONS AND WRITTEN WARRANTY FROM MANUFACTURER, SUBJECT TO APPROVAL BY DESIGN ENGINEER.
  3. INSTALLATION OF EQUIPMENT TO BE COMPLETED OR SUPERVISED BY AUTHORIZED EQUIPMENT DEALER.

**GUTTER CLEANER PLAN**  
SCALE: 1" = 8'



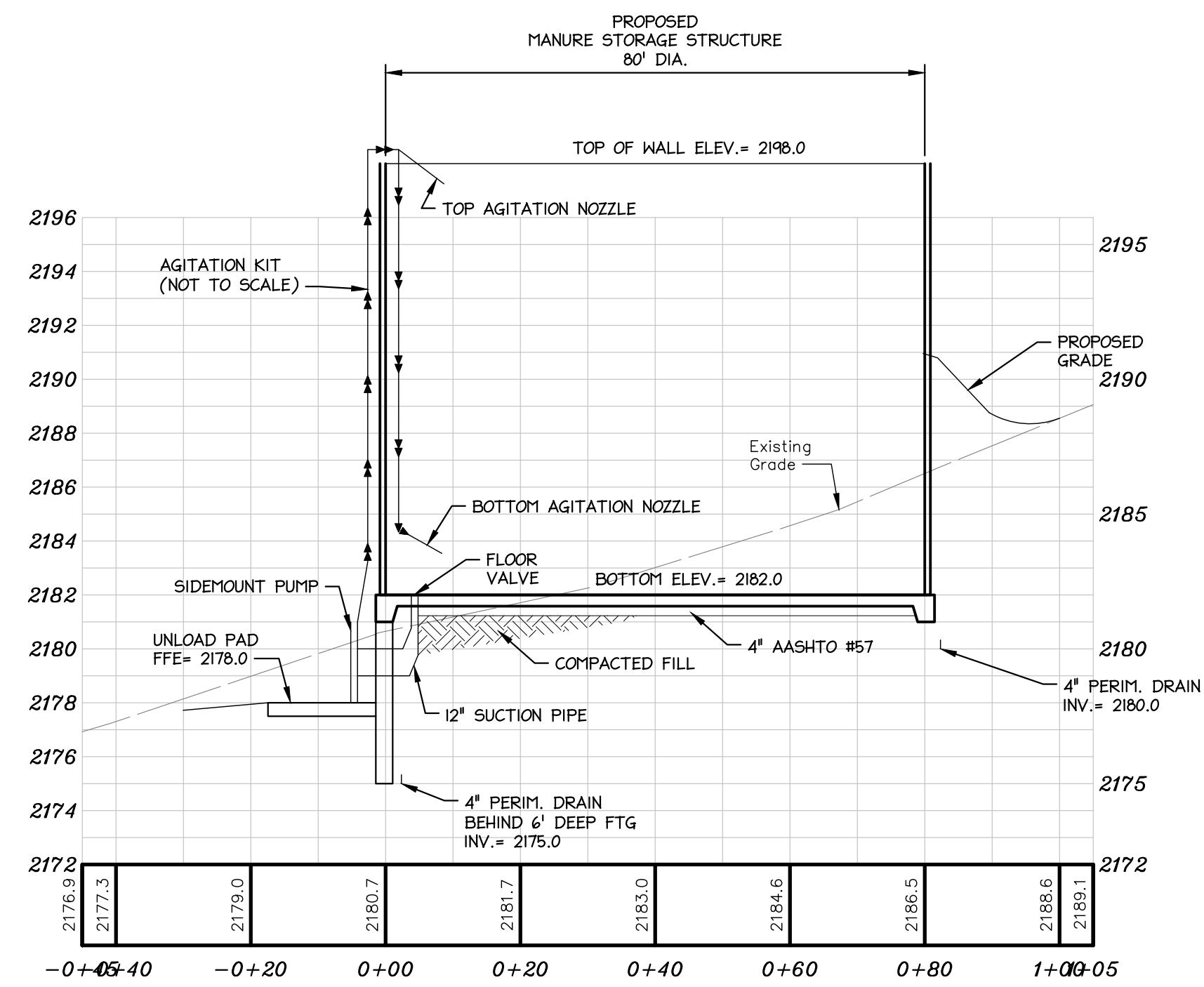
- GUTTER DEPTH "H":**
1. MIN DEPTH ON OUTGOING GUTTER IS 16". MIN DEPTH ON RETURN GUTTER IS 12".
  2. MAX DEPTH OF ALL GUTTER CHANNELS IS 24".
  3. ADJUST DEPTH BETWEEN MIN/MAX AS NEEDED TO BLEND WITH ADJACENT GRADES.
- CONSTRUCTION NOTES:**
1. SEE PLAN VIEW FOR EXTENT OF SINGLE AND DOUBLE GUTTER SEGMENTS.
  2. ALL GUTTER CHANNELS TO BE UNDERLAIN BY MIN. 3" OF AASHTO #57.
  3. INSTALL CONTROL JOINTS IN FLOOR & CURBS AT MAX. 30' INTERVALS

**1 MANURE GUTTERS**  
NOT TO SCALE

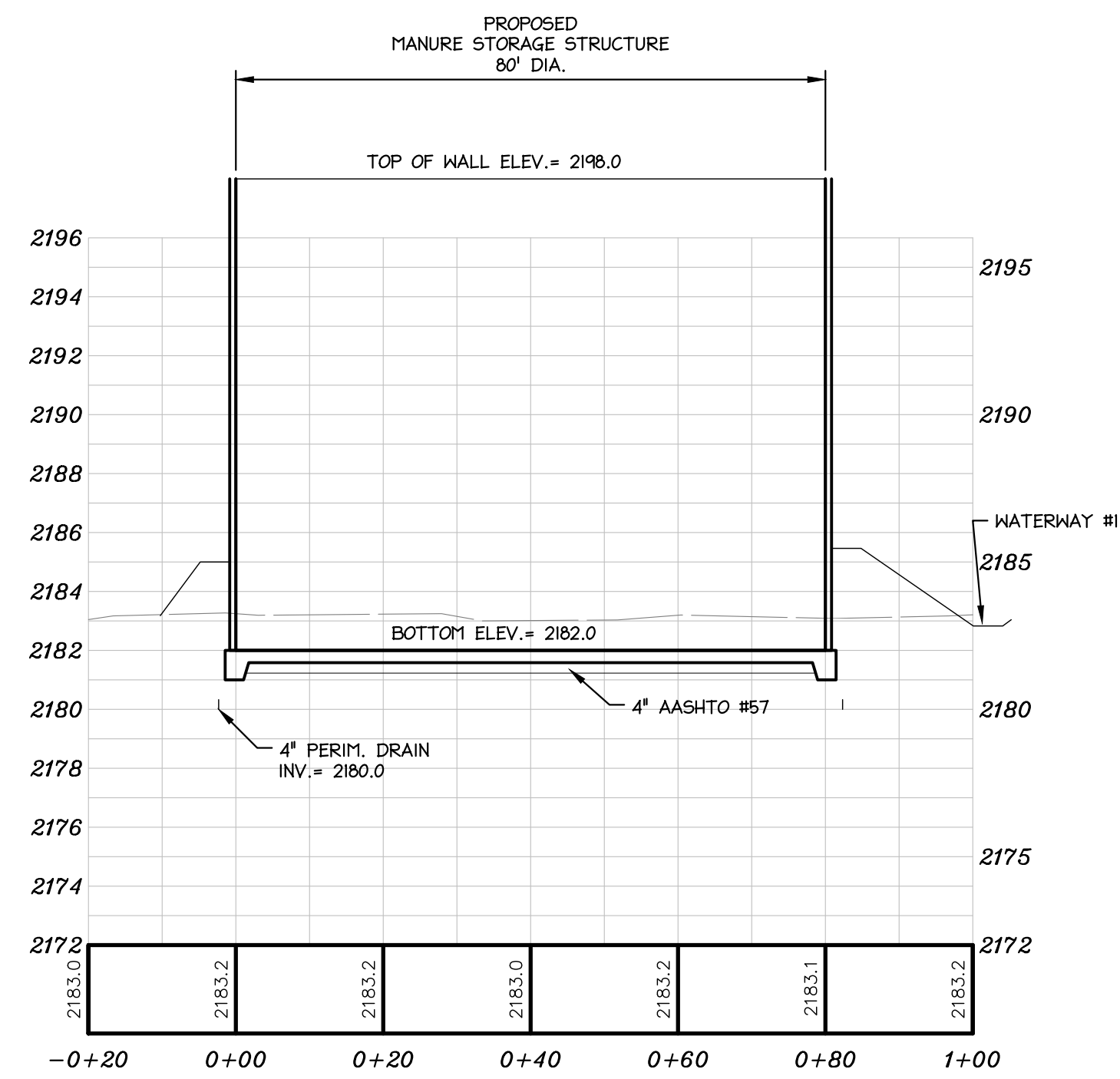


- NOTES:**
1. WIDEN AND TAPER CHANNEL TO TYPE M1 INLET AS SHOWN ON PLAN VIEW.
  2. SLOPE PER PLAN VIEW, TOWARD INLET

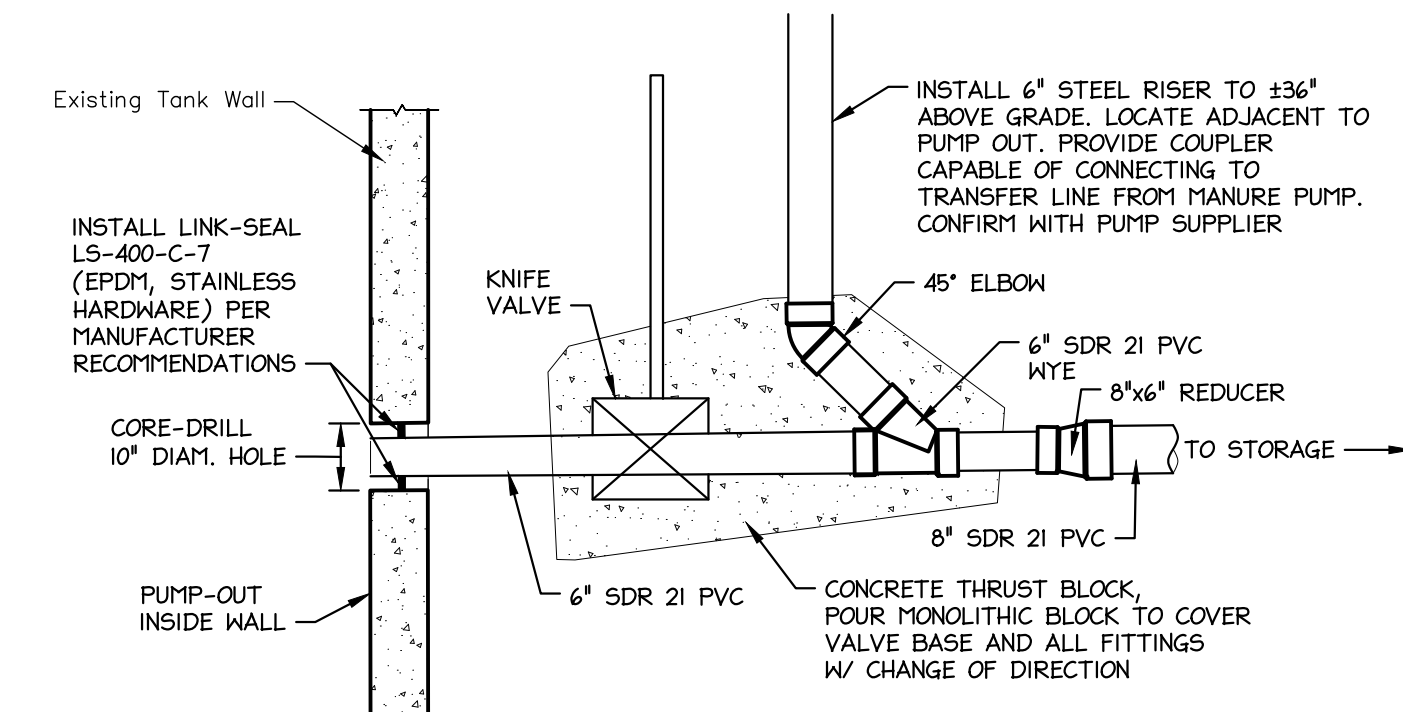
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PROJECT MANAGER	KEITH L. HODGE
DESIGN BY	KLH
DRAWN BY	KLH
DATE	06/2023
PROJECT NO.	2743-22-02
REVISION	
BY	
DATE	
SEAL	
TeamAg inc	120 LAKE STREET EPHRATA, PA 17522 PHONE: 717-721-6795 FAX: 717-721-9275 www.TeamAgInc.com TeamAg@TeamAgInc.com
SUMMIT TOWNSHIP	SOMERSET COUNTY
CLIENT	JOE WALKER 203 BERKLEYS MILL ROAD MEYERSDALE, PA 15562 814-444-2786
<b>GUTTER CLEANER SITE PLAN</b>	
DRAWING: <b>SP-4</b>	



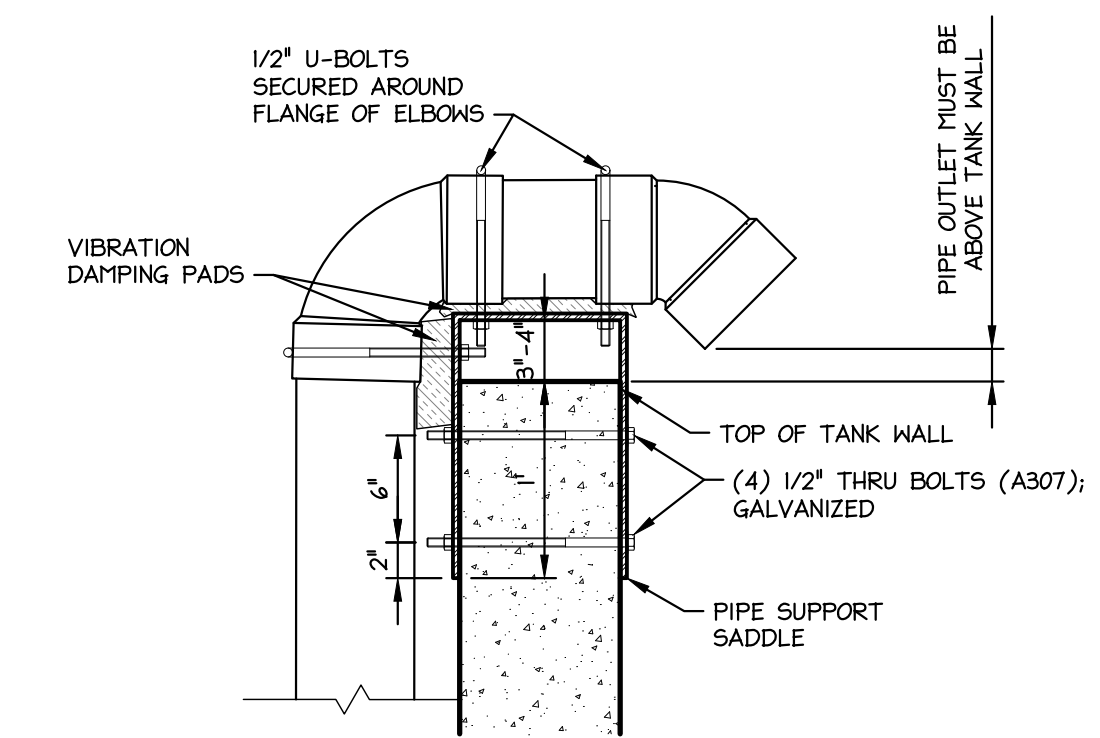
SECTION A-A  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 5'



SECTION B-B  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 5'

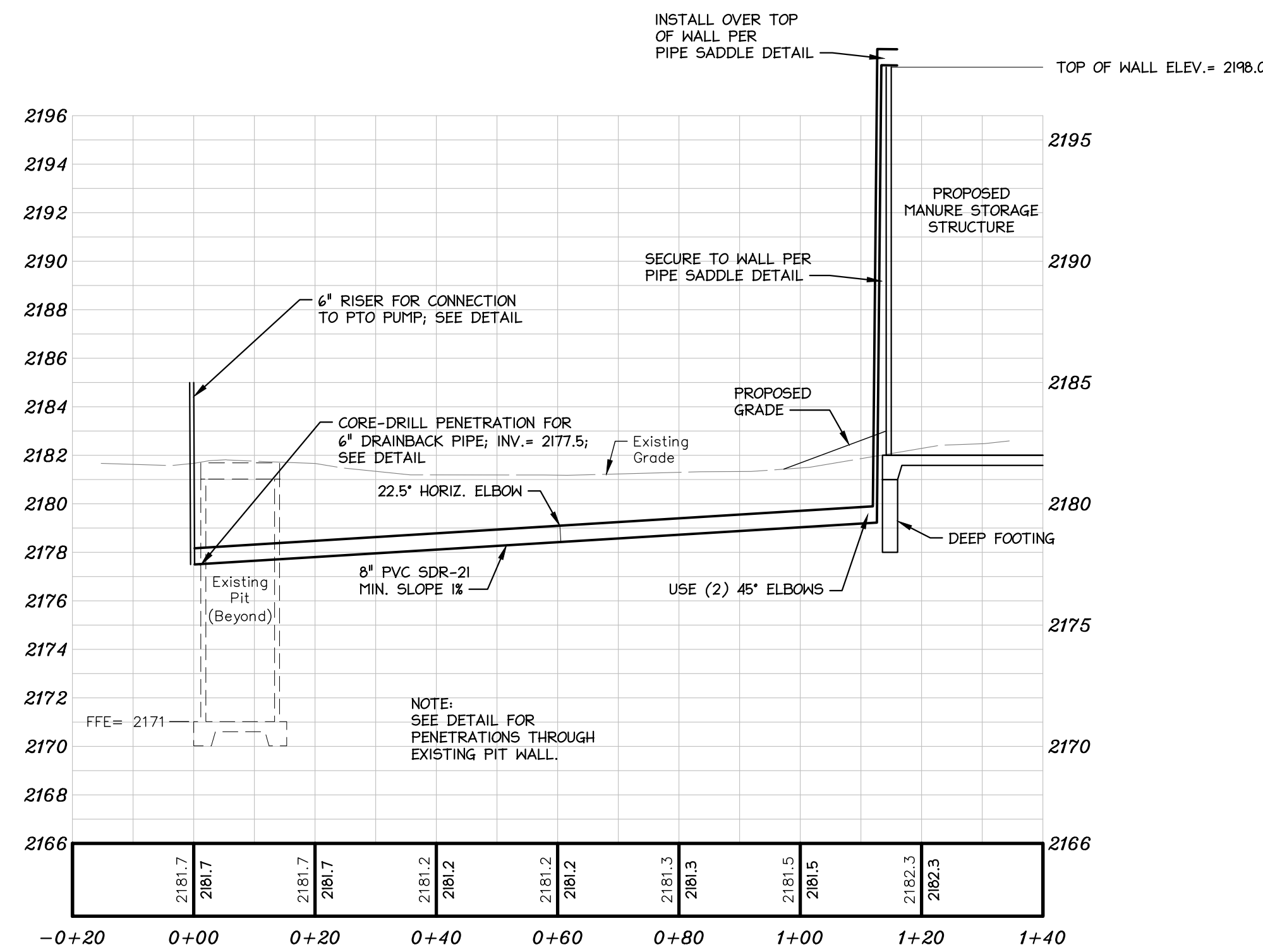


1  
RISER AND DRAIN-BACK LINE  
AT EXISTING PIT PUMP-OUT  
NOT TO SCALE

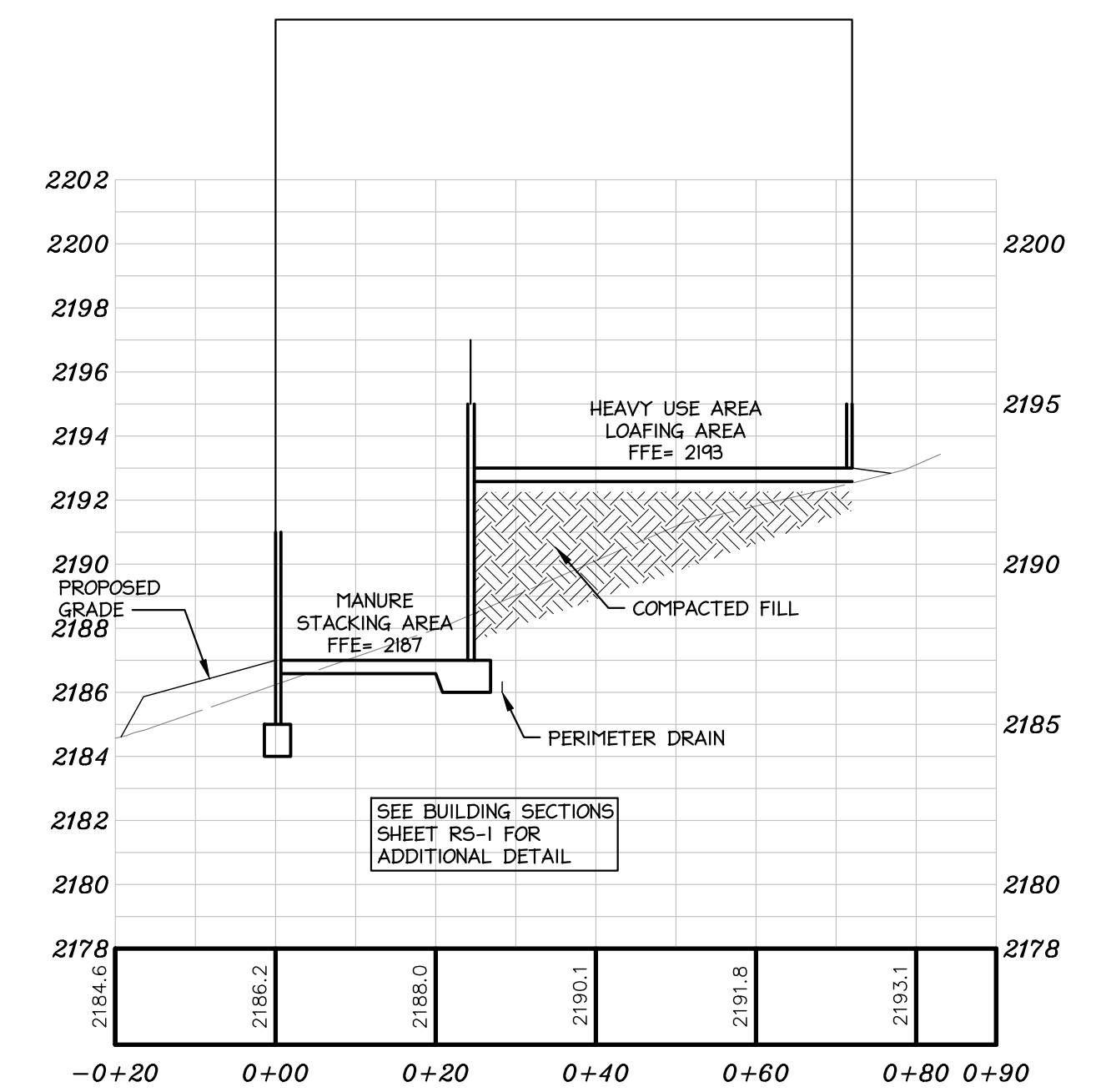


- NOTES
1. SADDLE TO BE 1/4" STEEL.
  2. EXPOSED PIPE OPENING MUST BE INSTALLED ENTIRELY ABOVE TANK WALL.
  3. APPLY SIKAFLEX I-A AT BOLT HEADS.
  4. STRAP VERTICAL PIPE TO WALL IN AT LEAST THREE LOCATIONS BELOW SADDLE, ABOVE GRADE, PROVIDE VIBRATION DAMPING PAD AT STRAP LOCATIONS.

2  
PIPE SUPPORT SADDLE  
NOT TO SCALE

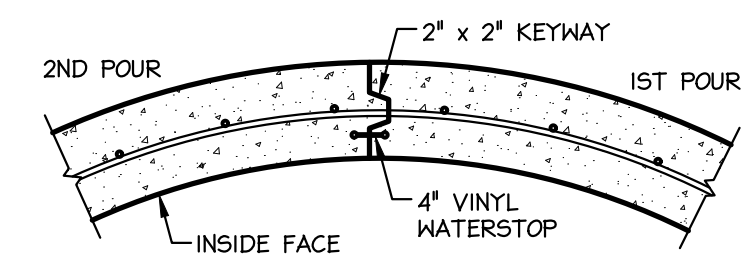


SECTION C-C  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 5'



SECTION D-D  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 5'

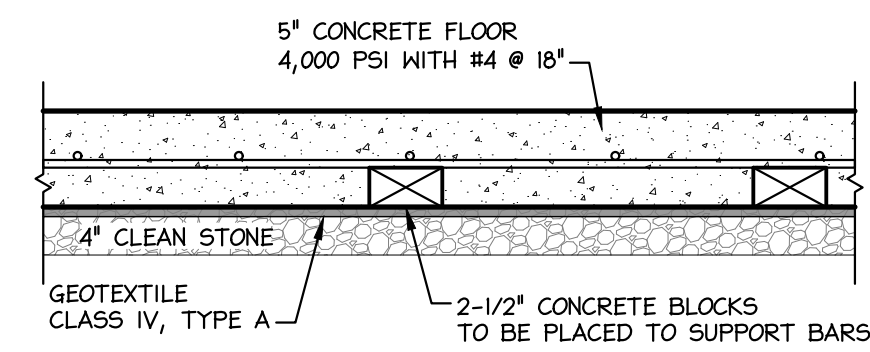
REVISION					
BY					
DATE					
PROJECT MANAGER	KEITH L. HODGE	DESIGN BY	KLH	DRAWN BY	KLH
DATE	6/8/2023	PROJECT NO.	2743-22-02		
SEAL					
PROJECT TITLE	AGRICULTURAL BMPs				
TOWNSHIP	SUMMIT TOWNSHIP				
COUNTY	SOMERSET COUNTY				
CLIENT	JOE WALKER 203 BERKEYS MILL ROAD MEYERSDALE, PA 15552 814-444-2786				
SCALE	AS NOTED				
CONTACT	TeamAg inc 120 LAKE STREET EPHRATA, PA 17522 PHONE: 717-721-6795 FAX: 717-721-9275 www.TeamAgInc.com TeamAg@TeamAgInc.com				
DRAWING	P-1				



NOTE: SPLICE LENGTH AND OFFSET OF RING STEEL MUST BE MAINTAINED THROUGH JOINT

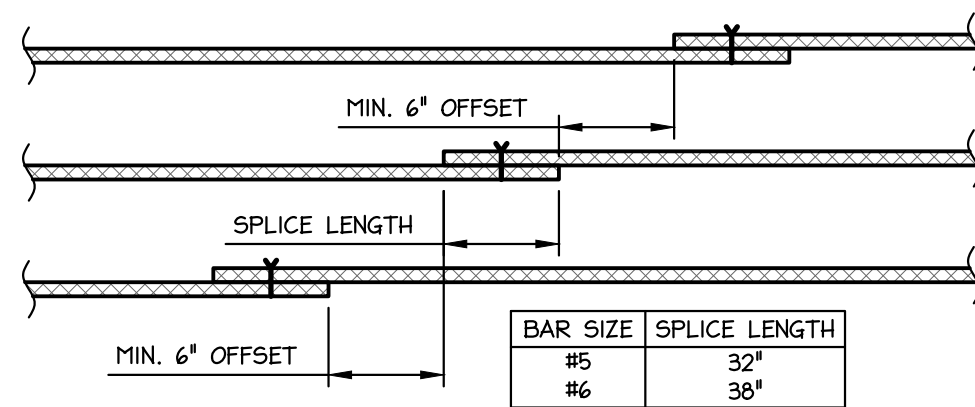
**VERTICAL WALL JOINT IN CIRCULAR TANK**

1 NOT TO SCALE



**FLOOR / REINF 80' DIA. MANURE STORAGE STRUCTURE**

2 NOT TO SCALE

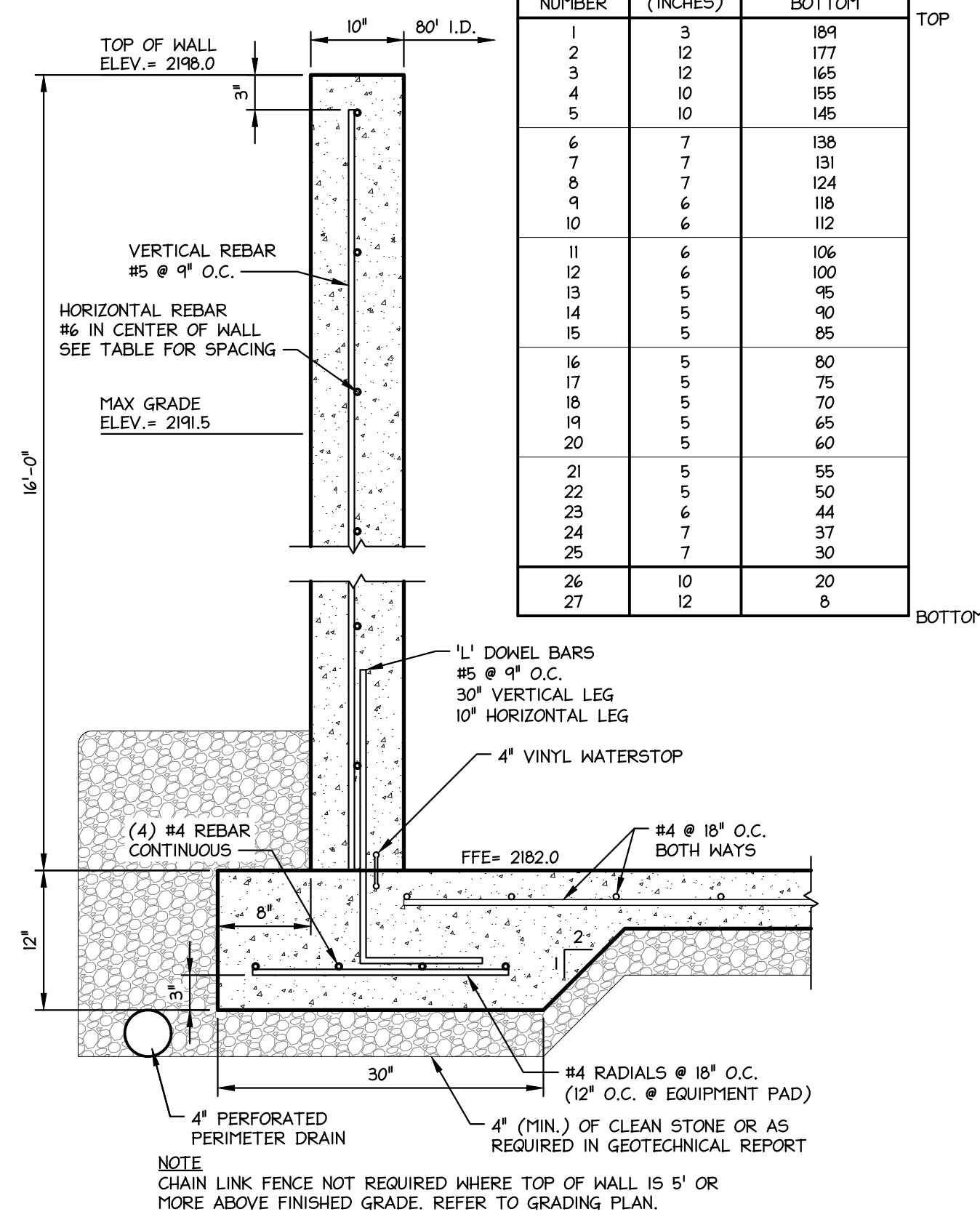


**SPLICE LENGTH AND OFFSET OF RING STEEL FOR CIRCULAR TANKS**

3 NOT TO SCALE

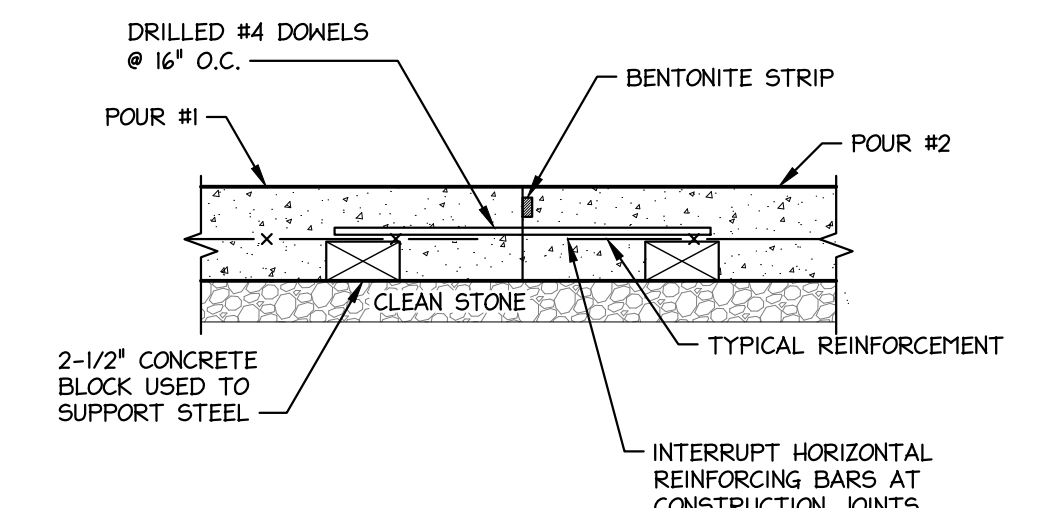
**HORIZONTAL STEEL SCHEDULE - WALL/RING**

BAR NUMBER	SPACING (INCHES)	INCHES FROM BOTTOM
1	3	184
2	12	177
3	12	165
4	10	155
5	10	146
6	7	138
7	7	131
8	7	124
9	6	118
10	6	112
11	6	106
12	6	100
13	5	95
14	5	90
15	5	85
16	5	80
17	5	75
18	5	70
19	5	65
20	5	60
21	5	55
22	5	50
23	6	44
24	7	37
25	7	30
26	10	20
27	12	8



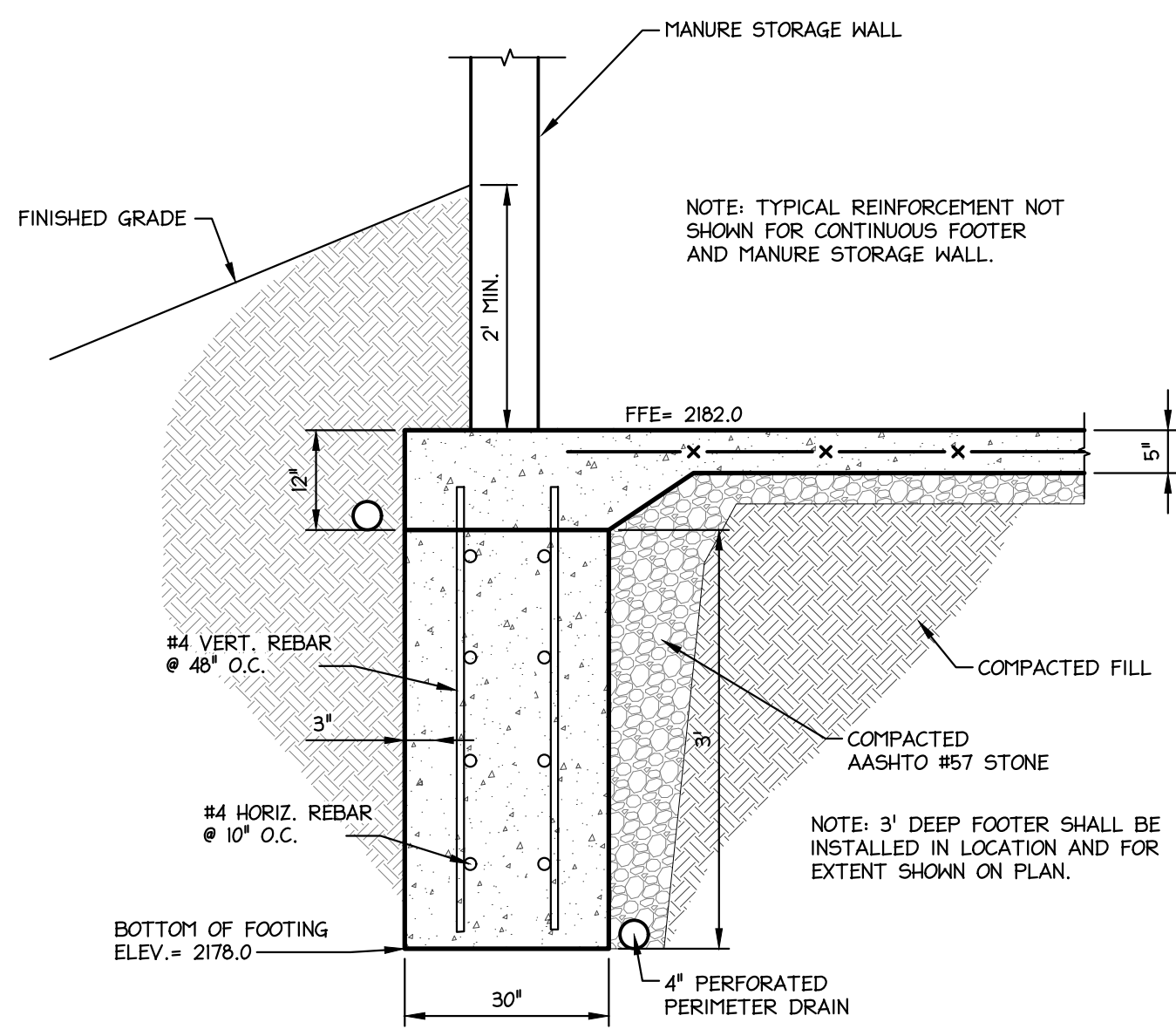
**80' DIAMETER CIRCULAR TANK (16' DEEP)**

4 NOT TO SCALE



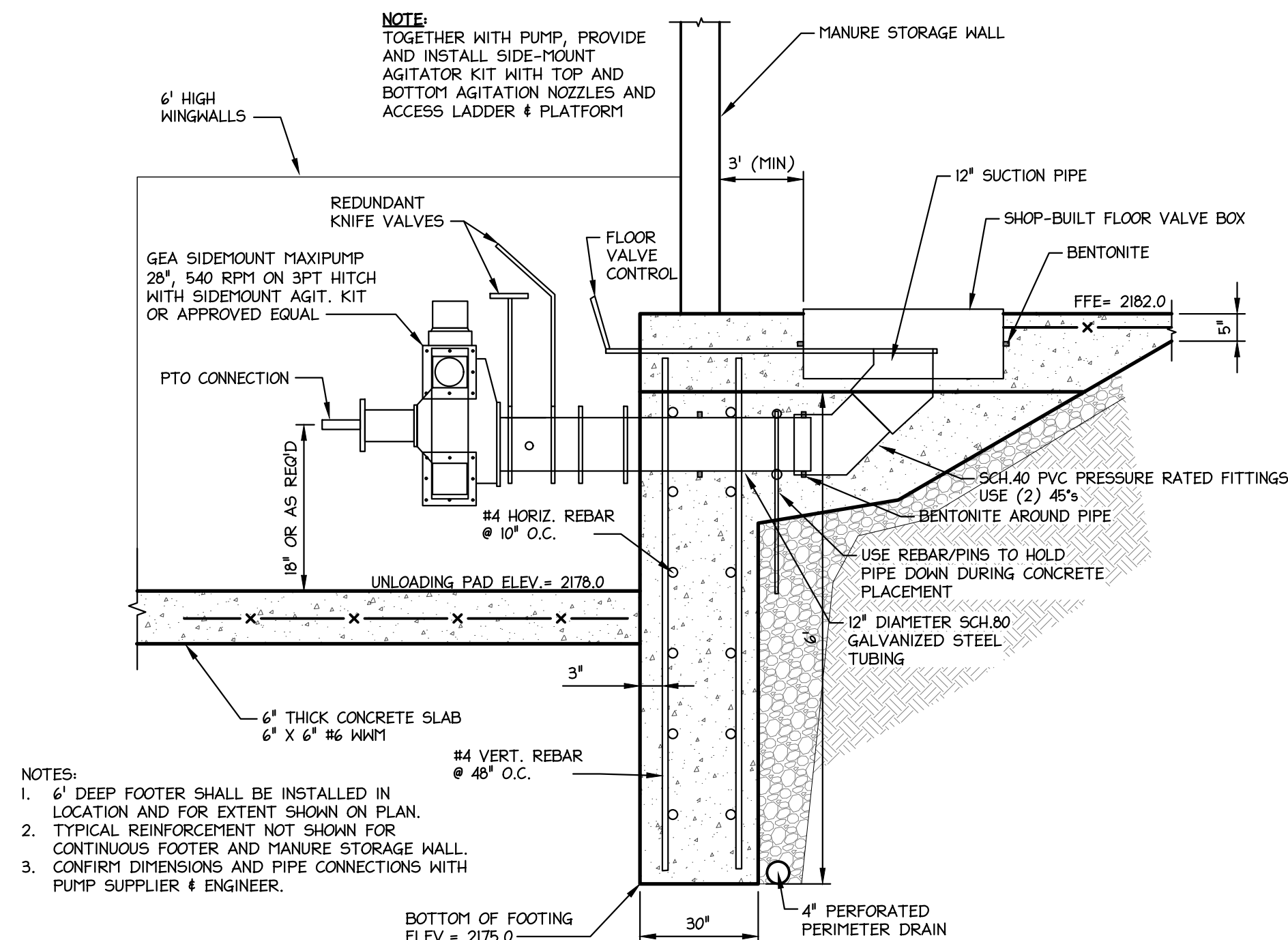
**FLOOR CONSTRUCTION JOINT (IF NEEDED)**

5 NOT TO SCALE



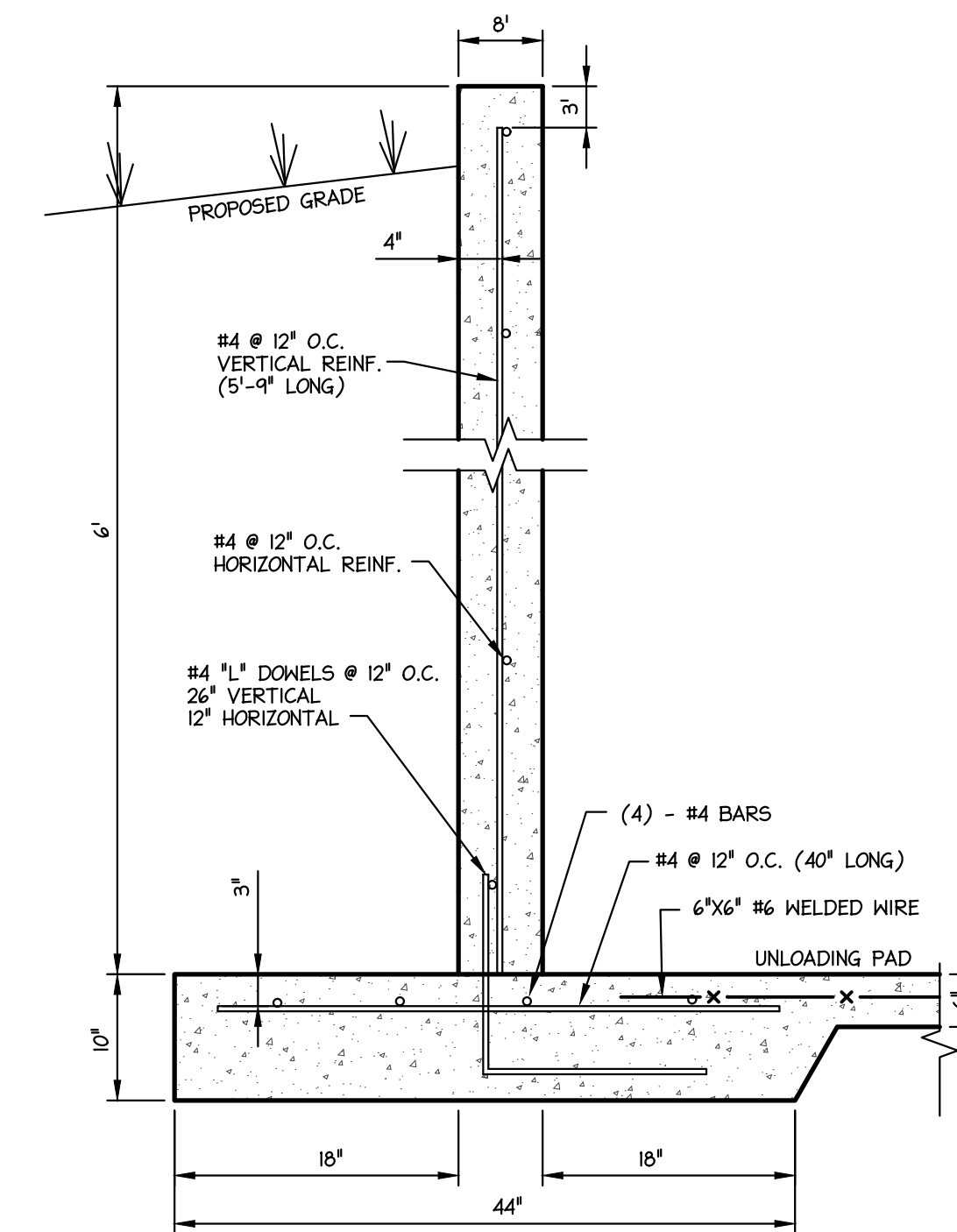
**3' DEEP FOOTING DETAIL**

6 NOT TO SCALE



**SIDEMOUNT PUMP AND 6' DEEP FOOTING DETAIL**

7 NOT TO SCALE



**6' HIGH WINGWALL AND UNLOADING PAD**

8 NOT TO SCALE

REVISION

BY

DATE

PROJECT MANAGER

DESIGN BY

DRAWN BY

DATE

PROJECT NO.

SEAL



120 LAKE STREET  
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PROJECT TITLE  
**AGRICULTURAL BMPs**  
SOMERSET COUNTY

CLIENT  
**JOE WALKER**  
203 BERKLEYS MILL ROAD  
MEYERSDALE, PA 15562  
814-444-2786

**STORAGE STRUCTURE DETAILS**

DRAWING : **MS-1**







**GENERAL EROSION CONTROL NOTES**

- Erosion and sediment control measures must be in compliance with the Erosion and Sediment Control Program. The developer or its authorized representative will be responsible for the proper construction, stabilization, and maintenance of all erosion and sedimentation controls and related items included with the Erosion and Sedimentation Control Plan.
- A copy of the Erosion and Sediment Control Plan must be posted at the construction site in accordance with state law.
- Before grading or construction begins, the developer or its authorized representative is to construct and complete sediment control measures and devices as shown on the plans.
- Should additional erosion or sedimentation occur during construction or should questions regarding the maintenance of control practices arise, contact TeamAg immediately for technical support. Should any measures contained within this plan prove incapable of adequately removing sediment from on-site flows prior to discharge or of stabilizing the surfaces involved, additional measures must be immediately implemented by the developer or its authorized representative to eliminate all such problems. TeamAg must be notified of any additional measures taken to abate the pollution of waters of the Commonwealth not shown on the plans. Stockpiles of wood chips, hay bales, crushed stone, and other mulches shall be held in readiness to deal immediately with emergency problems with erosion.
- The developer or its authorized representative must develop and have approved by the Conservation District, a separate Erosion and Sedimentation Control Plan for each spoil, borrow or other work area not detailed in the approved plan whether within or outside of the construction limits.
- The developer or its authorized representative shall be responsible for supervising debris disposal from other trades during all phases of construction. The developer or the authorized representative shall bear the expense of any clean-up operations initiated by the Engineer or Owner.
- Driveways are to be gravelled immediately after grading is completed and utilities are installed.
- The developer or its authorized representative is responsible for the continued inspection, maintenance or repair of all erosion and sediment problems that might occur due to the development of this project, until the site is completely stabilized.
- The developer or its authorized representative shall install silt fence or temporary diversion berms upslope of all watercourses as required to prevent sediment from entering the watercourses during construction.
- Winter grading shall be avoided. Under no circumstance shall grading be done when the ground is frozen.
- Silt fencing shall be used around material stockpiles, construction/earth disturbance areas.
- All disturbed areas will be stabilized (covered with stone or revegetated) as soon as possible following grading or backfilling. Specifications for seeding are listed in the drawings.
- During excavation, if sediment-laden water is encountered, a sediment filter bag ("dirt bag") shall be used.
- Until the site is stabilized, all erosion and sedimentation controls must be maintained properly. Maintenance must include inspections of all erosion and sedimentation controls after each storm event and on a weekly basis. All preventive and remedial maintenance work, including clean out, repair, replacement, regarding reseeding, mulching and regrading must be performed immediately. An extra supply of stone, seed, mulch and silt fence shall be kept on site for emergency purposes.

**MAINTENANCE OF EROSION CONTROL FACILITIES**

The General Contractor, or in the absence of a General Contractor, the Operator/Owner, shall be responsible for implementing and maintaining all Soil Erosion Controls. The Contractor shall, at the end of each week as well as with each rainfall, inspect all drainage and erosion control facilities to determine if they still function. Sediment should be removed when it reaches halfway up the silt-fence. Additional stone ballast shall be placed, if necessary, to control the tracking of mud by construction vehicles onto the adjacent roads.

If additional silt fence, silt traps, or silt diversions are necessary, they shall be provided as required. All changes must be reviewed and approved by the Engineer. Sediment deposited behind silt barriers and in the sediment trap shall be removed and incorporated into the final grading operations on the site. It is not to be taken off site.

**GENERAL SEEDING NOTES**

- Any disturbed area on which activity has ceased and which will remain exposed must be seeded and mulched immediately. During non-germinating periods, mulch must be applied at the recommended rates. Disturbed areas which are not at finished grade and which will be redisturbed within 1 year may be seeded and mulched with a quick growing temporary seeding mixture and mulch. Disturbed areas which are either at finished grade or will not be redisturbed within one year must be seeded and mulched with a permanent seed mixture and mulch.
- Diversions, channels, sedimentation basins, sediment traps and stockpiles must be seeded and mulched immediately.
- Hay or straw mulch must be applied at rates of at least 3.0 tons per acre. Mulch shall be anchored immediately after application. Mulch shall be held down by synthetic binders or mechanical means.

**TEMPORARY SEEDING NOTES**

Site preparation: Apply 1 ton/acre agricultural grade limestone and 10-10-10 fertilizer at a rate of 500 lbs./acre and work in where possible. Mulch seeded areas immediately after seeding.

**PERMANENT SEEDING NOTES**

Site preparation: Grade as necessary to bring the subgrade to a true, smooth slope parallel to and six inches below finished grade. Place topsoil over specified areas to a depth sufficiently greater than six inches so that after settlement and light rolling the complete work will conform to lines, grades, and elevations shown.

Apply 6 tons/acre agricultural grade limestone and 10-20-10 fertilizer at a rate of 1,000 lbs./acre or as per soil test. Limestone and fertilizer may not be required in agricultural fields.

Fertilizer and agricultural limestone shall be thoroughly incorporated into the soil by rototilling or other method to a minimum depth of four inches. The entire surface shall be done in two separate operations. The second seeding shall be done immediately after the first and at right angles to the first seeding and lightly raked into the soil. Mulch seeded areas immediately after seeding.

**RECOMMENDED SEED MIXTURES**

CONDITION	MIXTURE NUMBER	SPECIES	SEEDING RATES PURE LIVE SEED <sup>(1)</sup>
Temporary	1	Spring oats, or Annual ryegrass (spring or fall), or Winter wheat (fall), or Winter rye (fall)	64 10 40 56
	2	Temporary mixture, plus Tall fescue, or Fine fescue, or Kentucky bluegrass, plus Ryegrass, or Perennial ryegrass	60 35 25 3 15
	3	Temporary mixture, plus Birdsfoot trefoil, plus Tall fescue	6 30

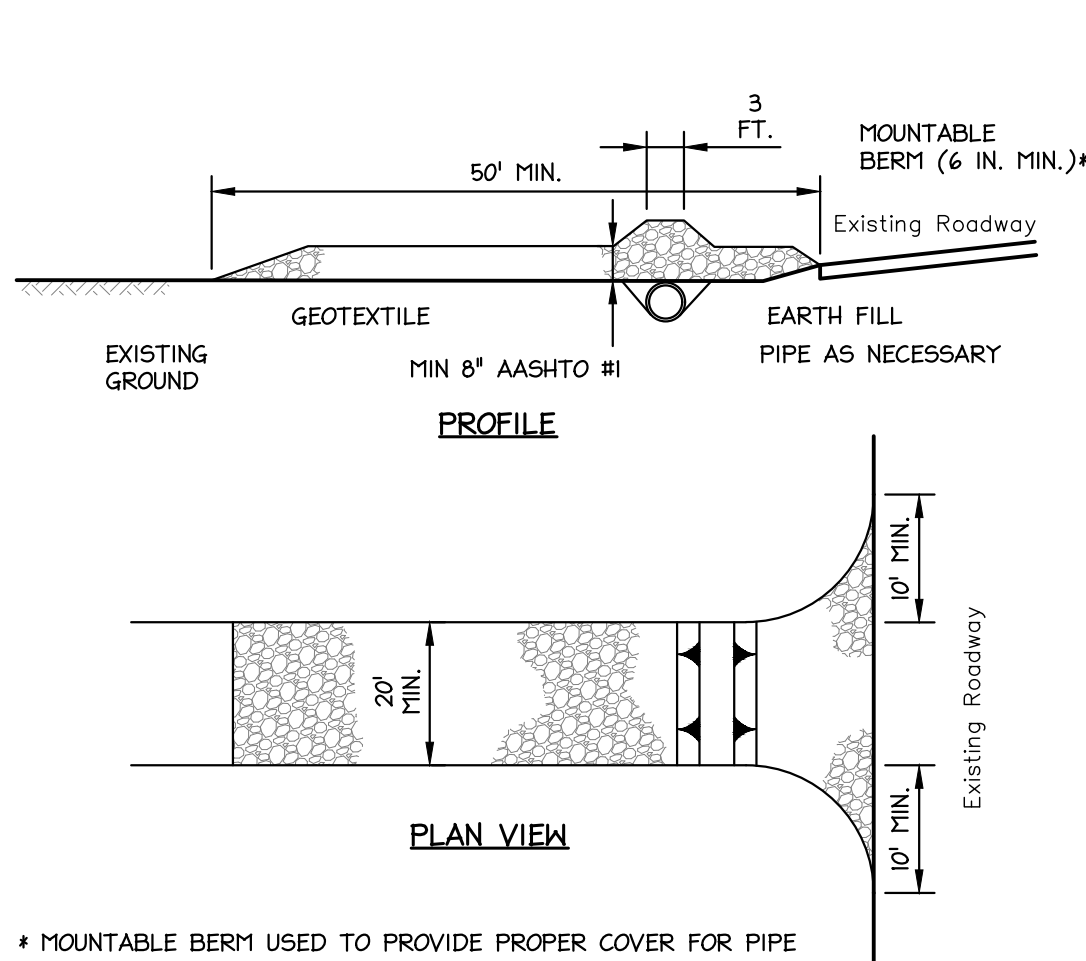
Adapted from PA DEP Erosion and Sediment Pollution Control Program Manual

<sup>(1)</sup> PLS is the product of the percentage of pure seed times percentage germination divided by 100.

<sup>(2)</sup> This mixture is suitable for frequent mowing. Do not cut shorter than 4 inches.

**SEQUENCE OF CONSTRUCTION**

- Complete silage pad resurfacing.
- Install filter sock downhill from earth disturbance activities and soil stockpiles per the plan.
- Install runoff management features, including waterways, culverts, conveyor belt diversions and associated outlet protection, to direct upslope runoff around the main construction areas.
- Excavate the manure storage and rough grade the site. Place excavated soil in designated fill areas. Compact appropriately per the construction specifications.
- Place excess soil material in stockpiles where indicated on the plans.
- Install circular manure storage structure. Backfill per plan at timing approved by attending engineer.
- Place compacted fill, then install heavy use area floor and foundation walls, posts, manure stacking structure, and retaining walls. Install roof structure.
- Install gutter cleaner channels and associated equipment.
- Fine grade the laun areas and seed or sod immediately with a perennial grass cover. Launs shall be maintained on a regular basis and repaired, reseeded and mulched until stabilization is achieved.
- After final site stabilization (i.e. 70% vegetative uniform cover) has been achieved, the temporary erosion and sedimentation controls must be removed. Areas disturbed during the removal of the controls shall be restabilized.



**NOTES:**

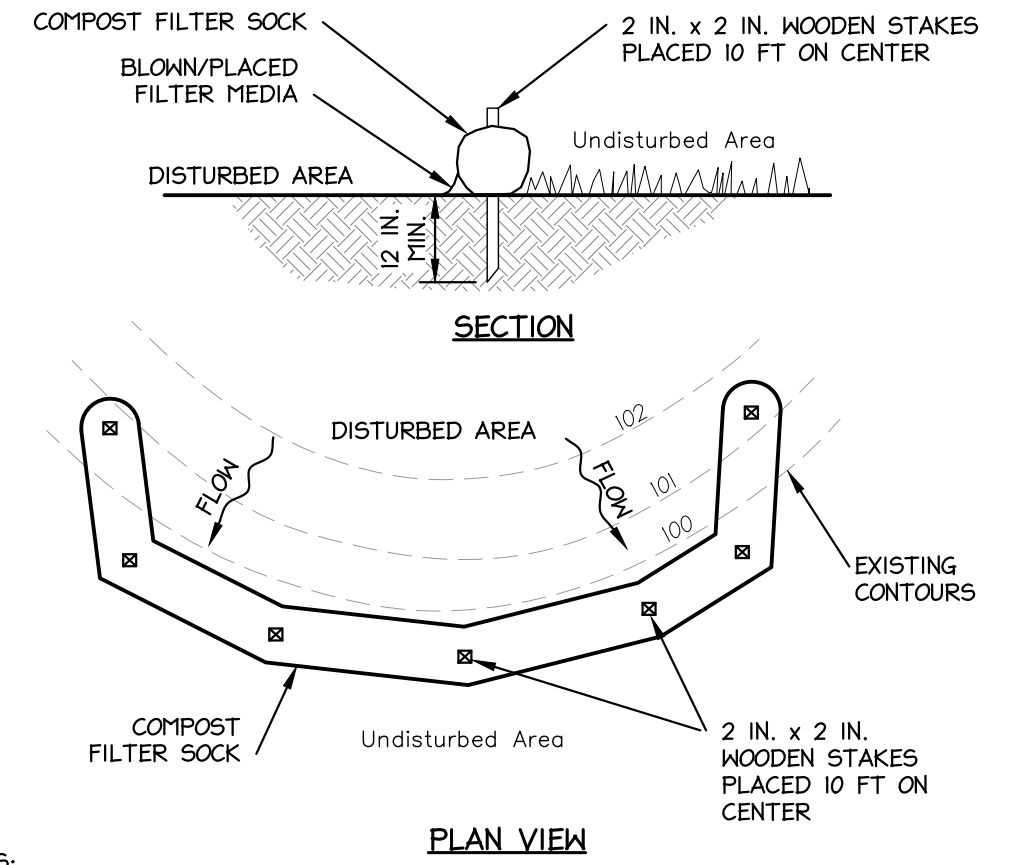
REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.

RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

**STANDARD CONSTRUCTION DETAIL #3-1**  
ROCK CONSTRUCTION ENTRANCE  
(IF NEEDED) NOT TO SCALE



**NOTES:**

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.

COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.

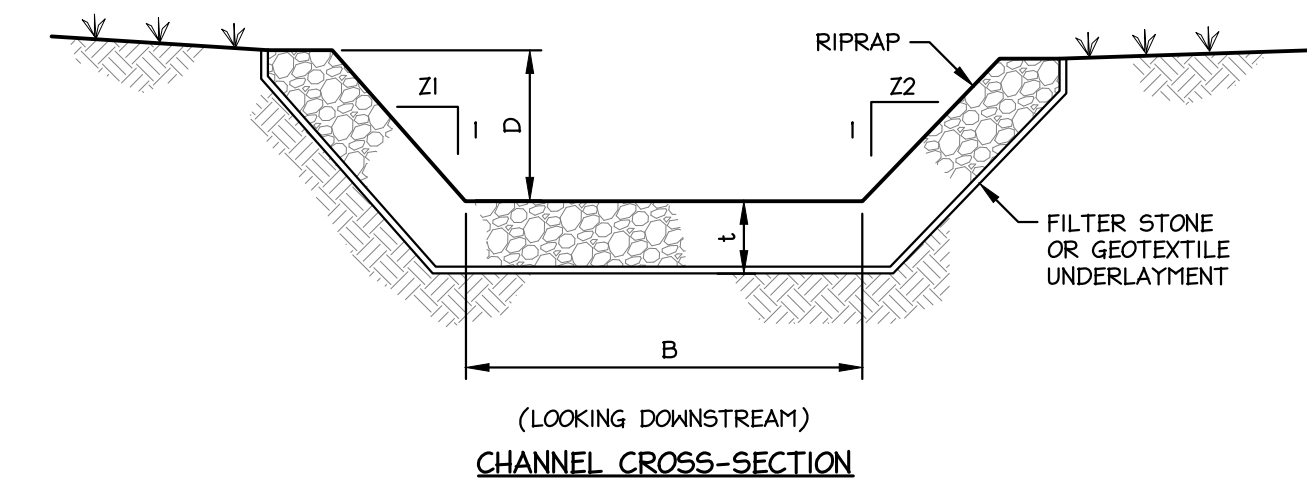
ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTOGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

**STANDARD CONSTRUCTION DETAIL #4-1**  
COMPOST FILTER SOCK  
NOT TO SCALE



CHANNEL	STATIONS	BOTTOM WIDTH B (FT)	DEPTH D (FT)	Z1 (FT)	Z2 (FT)	RIPRAP GRADATION N (R-)	RIPRAP DEPTH I (IN)	UNDER-LAYMENT	UNDER-LAYMENT THICKNESS
WATERWAY #2	ALL	3	2	2	2	R-4	18	AASHTO #3	6"

**NOTES:**

FILTER STONE UNDERLAYMENT FOR BED SLOPES  $\geq 0.10$  FT/FT (10%) SHALL BE USED.

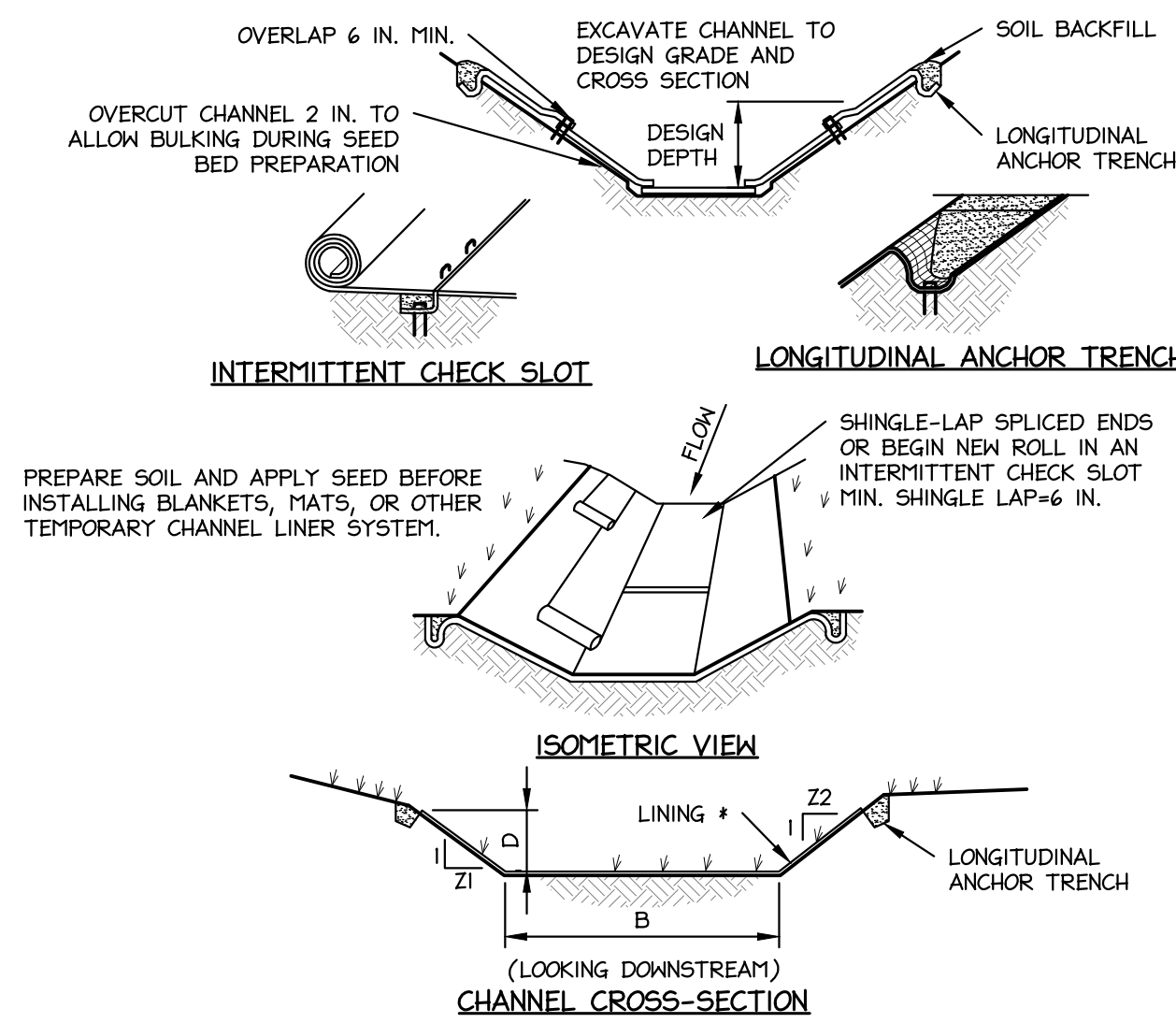
CHANNEL DIMENSIONS ARE FOR THE COMPLETED CHANNEL AFTER ROCK PLACEMENT. CHANNEL MUST BE OVER-EXCAVATED A SUFFICIENT AMOUNT TO ALLOW FOR THE VOLUME OF ROCK PLACED WITHIN THE CHANNEL WHILE PROVIDING THE SPECIFIED FINISHED DIMENSIONS.

CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE.

DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.

THE MINIMUM ROCK THICKNESS (I) SHALL BE 1.5 TIMES THE MAX ROCK SIZE.

**STANDARD CONSTRUCTION DETAIL #6-3**  
RIPRAP CHANNEL  
NOT TO SCALE



\* SEE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STAPLE PATTERNS, VEGETATIVE STABILIZATION FOR SOIL AMENDMENTS, SEED MIXTURES AND MULCHING INFORMATION

CHANNEL	STATIONS	GRADE (%)	TOP WIDTH T (FT)	DEPTH D (FT)	LINING #
WATERWAY #3	ALL	VARIES	10	1	NAG SC-250
WATERWAY #1	ALL	VARIES	13	1.50	NAG SC-250

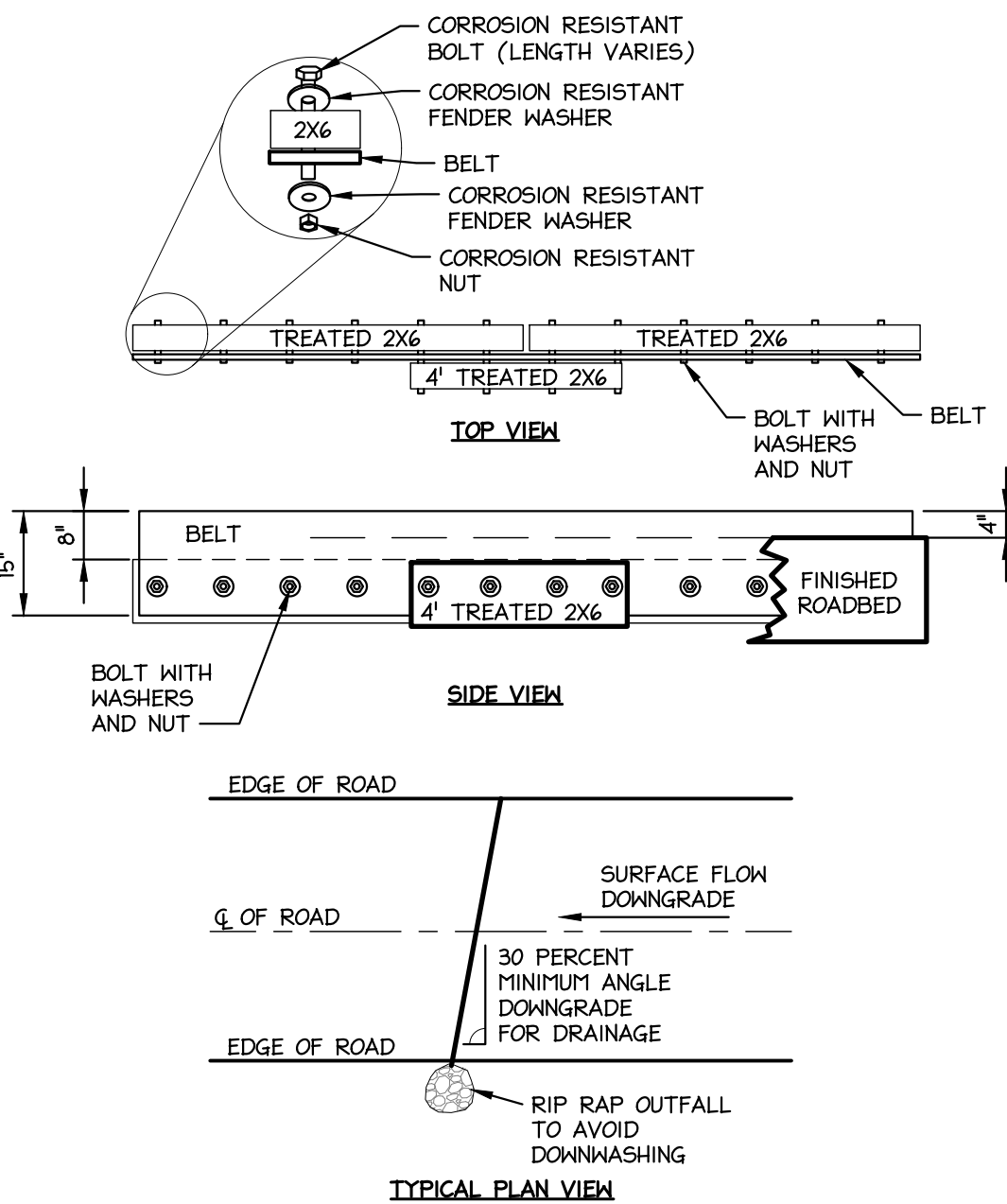
**NOTES:**

ANCHOR TRENCHES SHALL BE INSTALLED AT BEGINNING AND END OF CHANNEL IN THE SAME MANNER AS LONGITUDINAL ANCHOR TRENCHES.

CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE. DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.

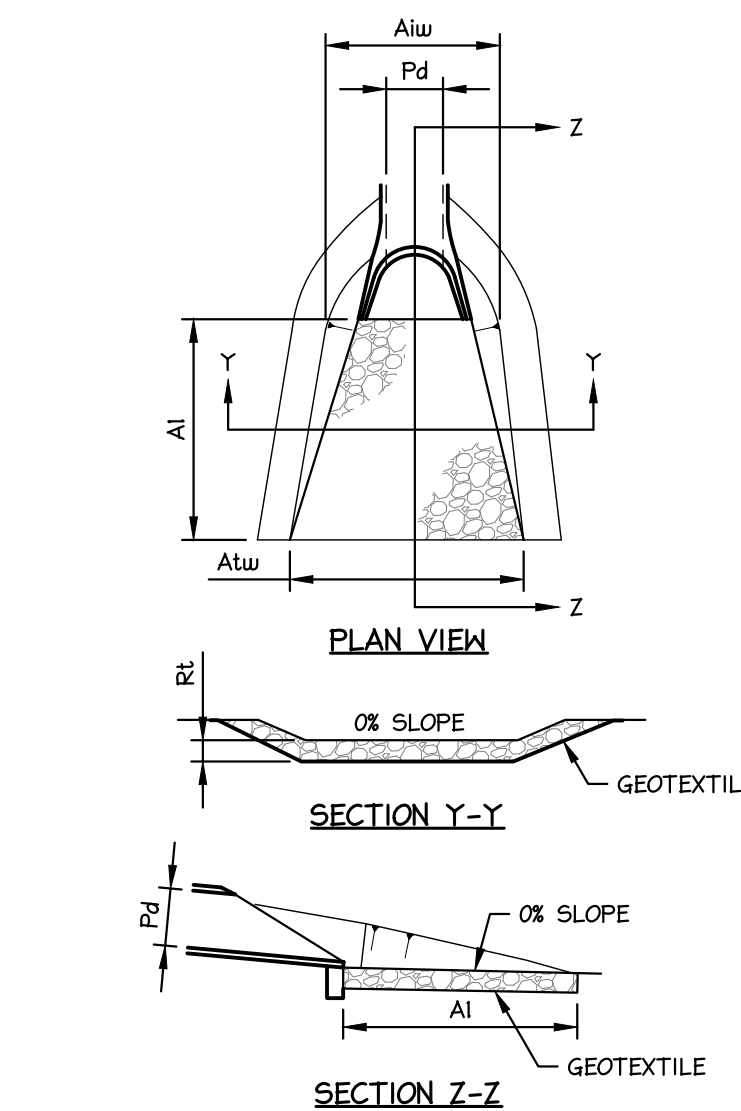
NO MORE THAN ONE THIRD OF THE SHOOT (GRASS LEAF) SHALL BE REMOVED IN ANY MOWING. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS OTHERWISE SPECIFIED. EXCESS VEGETATION SHALL BE REMOVED FROM PERMANENT CHANNELS TO ENSURE SUFFICIENT CHANNEL CAPACITY.

**STANDARD CONSTRUCTION DETAIL #4-2**  
INTERMITTENT CHECK SLOT  
NOT TO SCALE



- CONSTRUCTION - Building diversion**
- Cut conveyor belt into "S" or necessary length.
  - Lay belt on 2x6" boards laid end to end. Leave "8" of belt above board (4" to be buried 4" left above road).
  - Starting at one end, drill holes through belt and lumber (~2" spacing) and secure with bolts and washers.
  - On diversions longer than 16', a lumber joint is necessary. Longer bolts should be used to attach a 4 piece of lumber on the opposite side of the belt at the joint.
- INSTALLATION - Installing diversion**
- Excavate a trench diagonally across the road
    - Angle: Dig trench at min 30% angle to road.
    - Fall: Minimum of 1% of continuous fall toward the outlet.
    - Width: Wide enough trench to allow for compaction equipment beside the belt diversion (typically 15'-18').
    - Depth: The trench should be deep enough to provide 5'-4" of cover over the top of the supporting 2' x 6" board.
  - Place the diversion against bottom edge of the trench, leaving 3'-4" of the belt exposed above the final road surface.
  - Backfill the trench and compact with a tamper.
  - Place large stones at the end of the diversion to control erosion.
  - Mark the ends of the Conveyor Belt Diversion with reflective posts to avoid damage during future maintenance.

**STANDARD CONSTRUCTION DETAIL #5-1**  
CONVEYOR BELT DIVERSION  
NOT TO SCALE



OUTLET NO.	PIPE DIA. Pd (IN)	RIPRAP		APRON	
		SIZE	THICK. Rt (IN)	INITIAL WIDTH Al (FT)	TERMINAL WIDTH Atw (FT)
FES-1	18	R-5	24	12.00	3.00

**NOTES:**

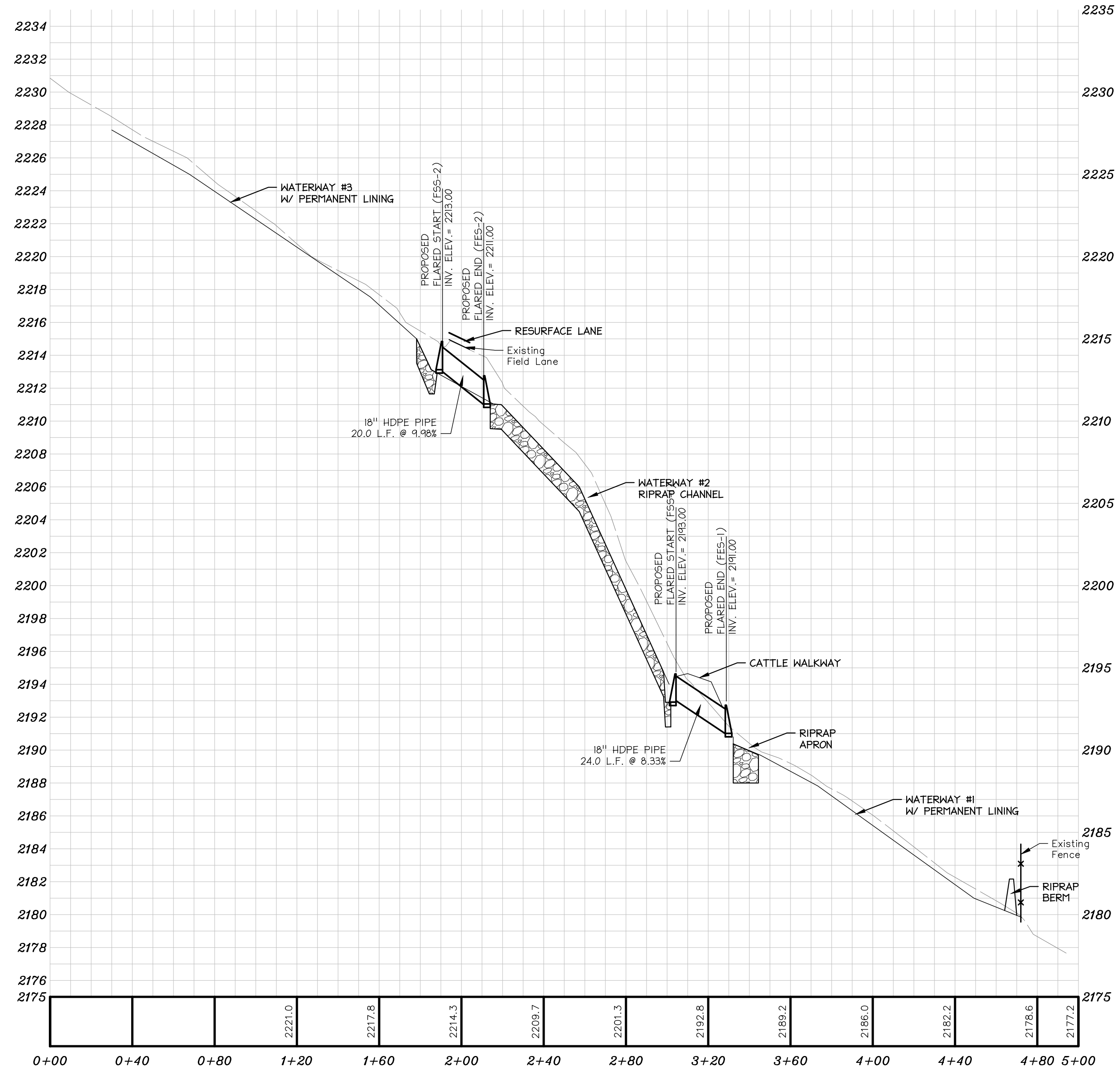
ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.

ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.

**STANDARD CONSTRUCTION DETAIL #6-1**  
RIPRAP APRON AT PIPE OUTLET WITH FLARED END SECTION OR ENDWALL  
NOT TO SCALE

REVISION	BY	DATE	PROJECT MANAGER KEITH L. HODGE	DESIGN BY : KLH	DRAWN BY : KLH	DATE : 6/8/2023	PROJECT NO.: 2743-22-02
SEAL							
			120 LAKE STREET EPHRATA, PA 17522 PHONE: 717-721-6795 FAX: 717-721-9275 www.teamaginc.com TeamAg@teamaginc.com				
PROJECT TITLE <b>AGRICULTURAL BMPs</b>			COUNTY SOMERSET COUNTY				
CLIENT <b>JOE WALKER</b> 203 BERKLEYS MILL ROAD MEYERSDALE, PA 15562 814-444-2786			SCALE AS NOTED				
DRAWING : <b>ES-1</b>							





**DRAINAGE**  
 HORIZONTAL SCALE: 1" = 40'  
 VERTICAL SCALE: 1" = 5'

PROJECT MANAGER	BY	REVISION
KEITH L. HODGE		
DESIGN BY : KLH		
DRAWN BY : KLH		
DATE : 6/8/2023		
PROJECT NO.: 2743-22-02		

SEAL

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SCALE  
 AS NOTED

PROJECT TITLE  
**AGRICULTURAL BMPs**  
 SUMMIT TOWNSHIP SOMERSET COUNTY

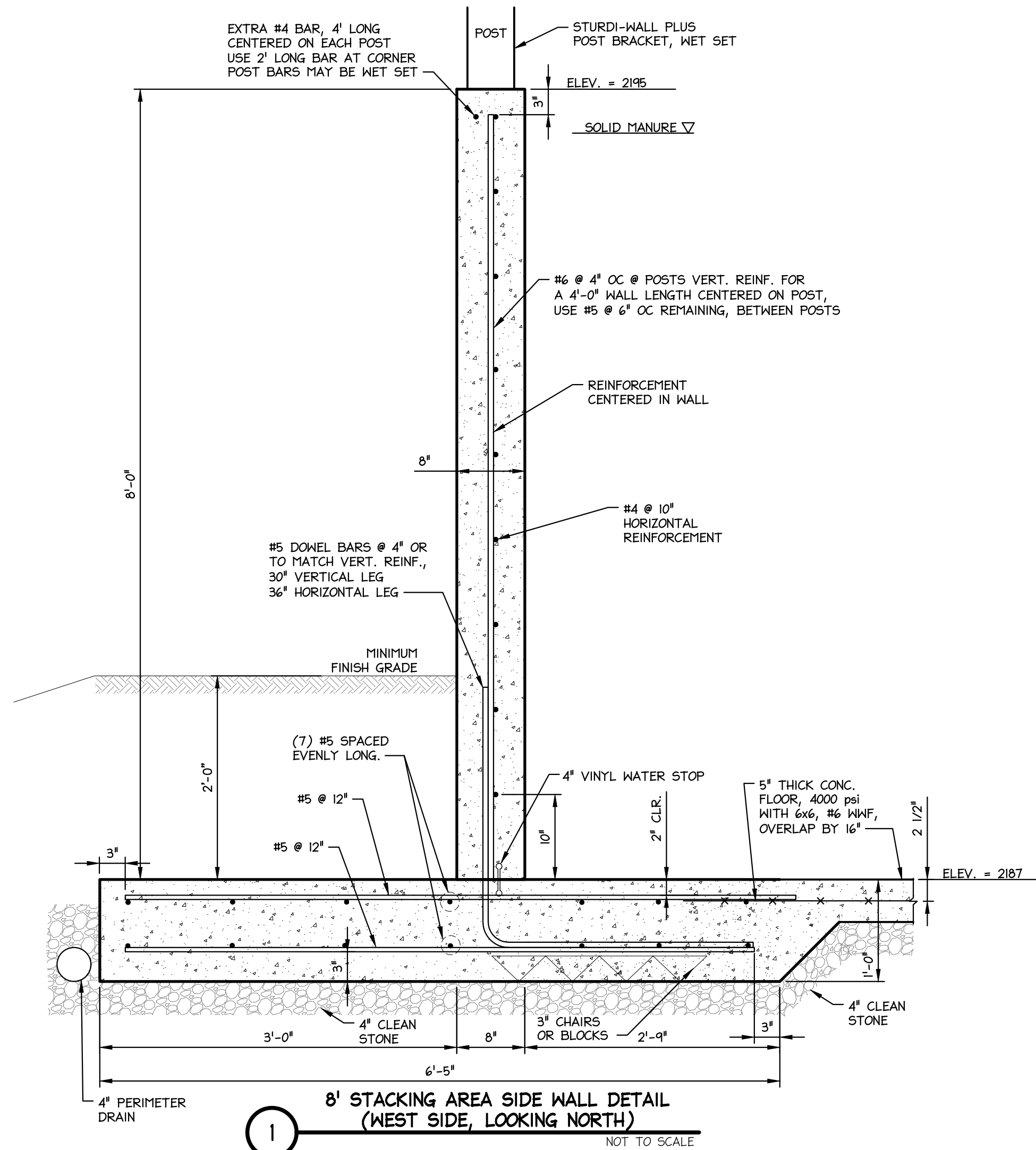
CLIENT  
**JOE WALKER**  
 203 BERKLEYS MILL ROAD  
 MEYERSDALE, PA 15552  
 814-444-2786

**STORMWATER PROFILE**

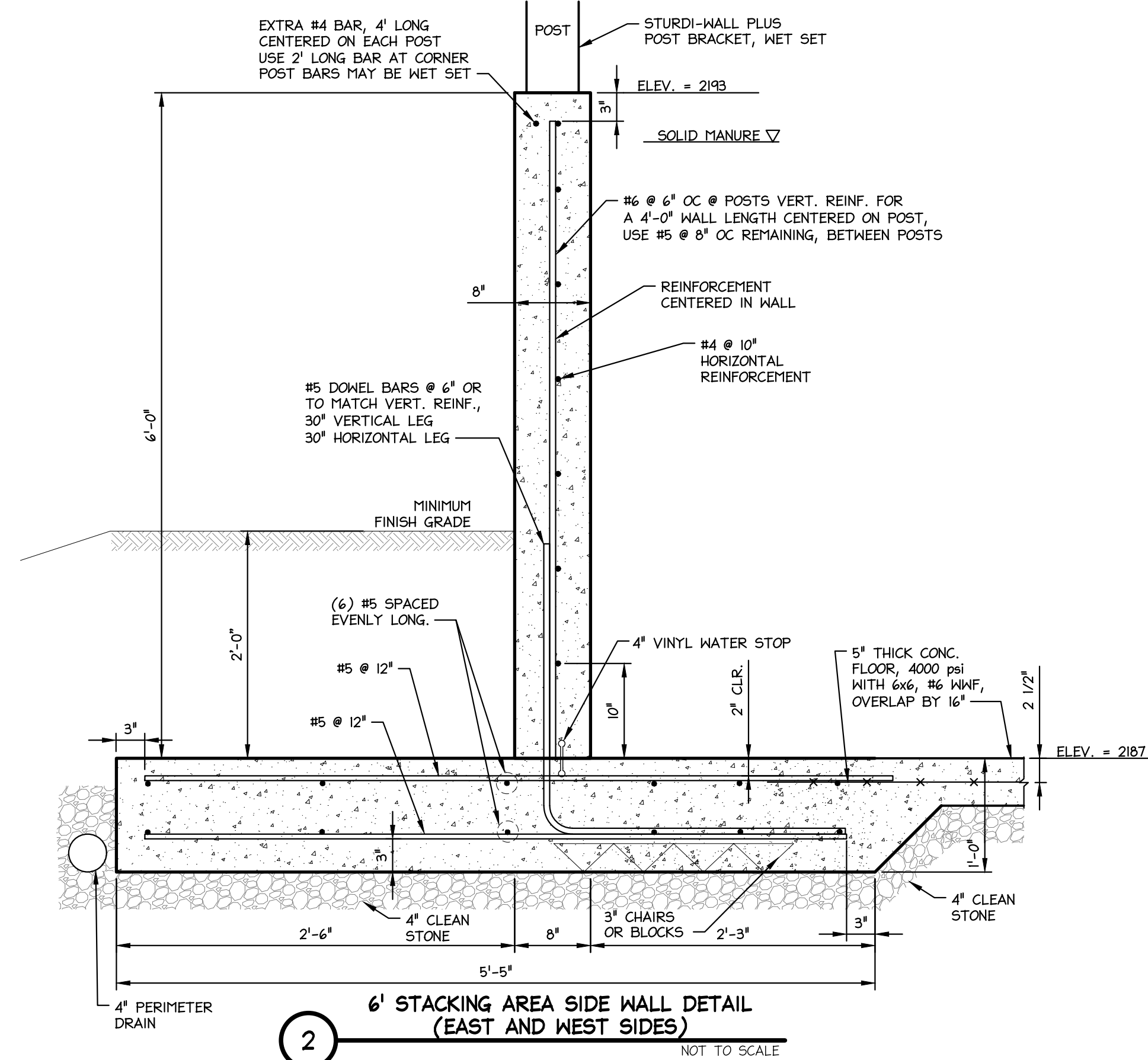




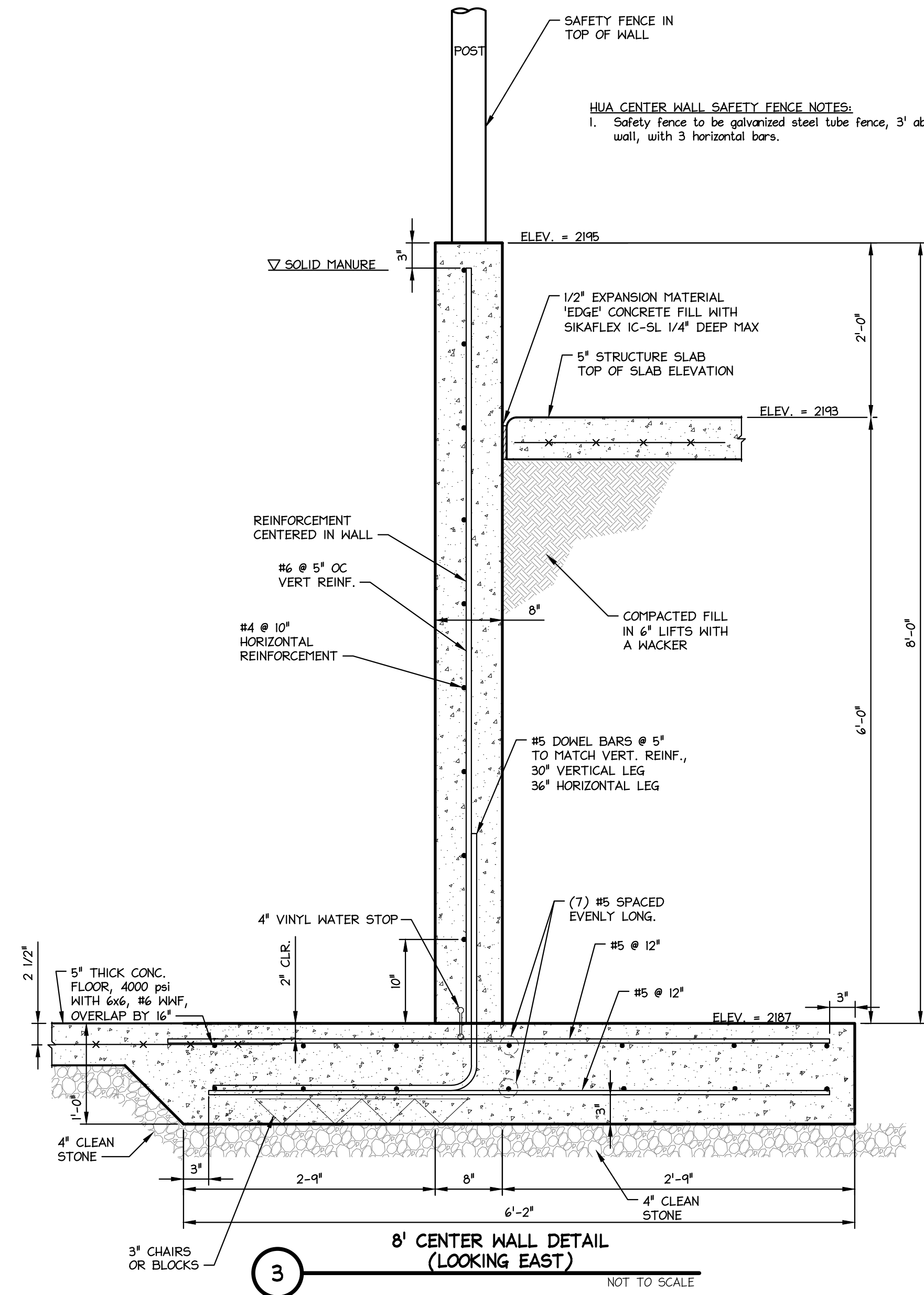




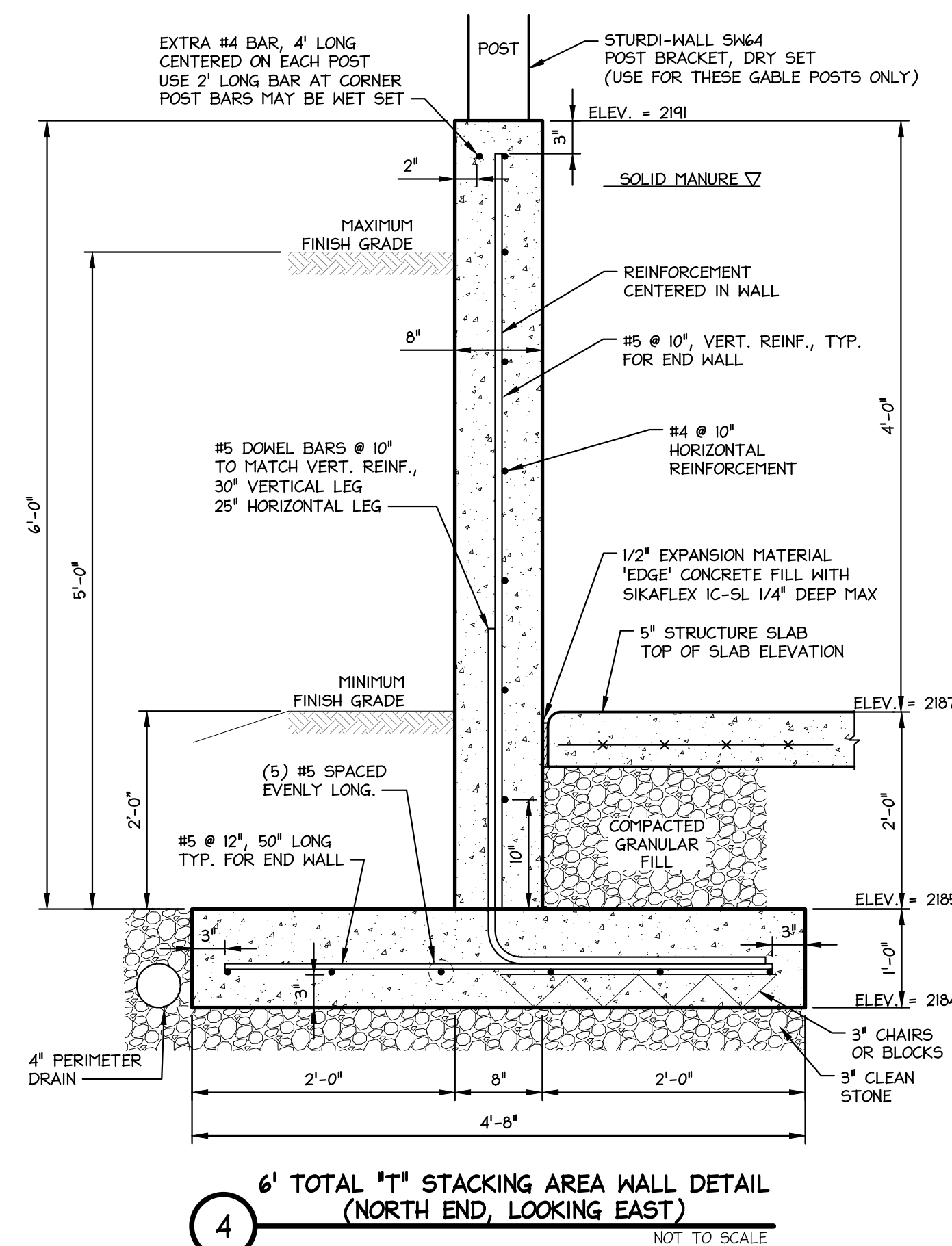
1 8' STACKING AREA SIDE WALL DETAIL (WEST SIDE, LOOKING NORTH) NOT TO SCALE



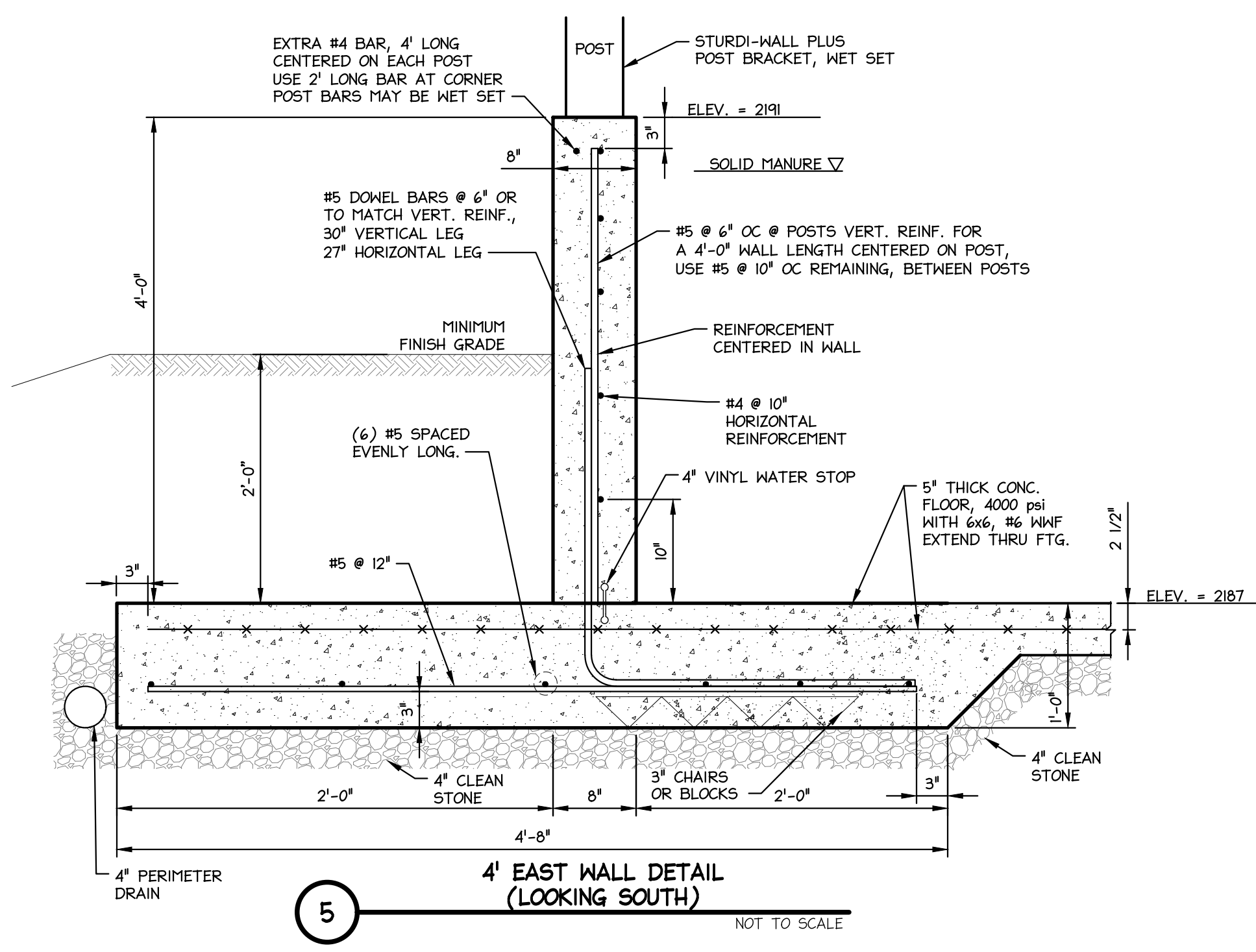
2 6' STACKING AREA SIDE WALL DETAIL (EAST AND WEST SIDES) NOT TO SCALE



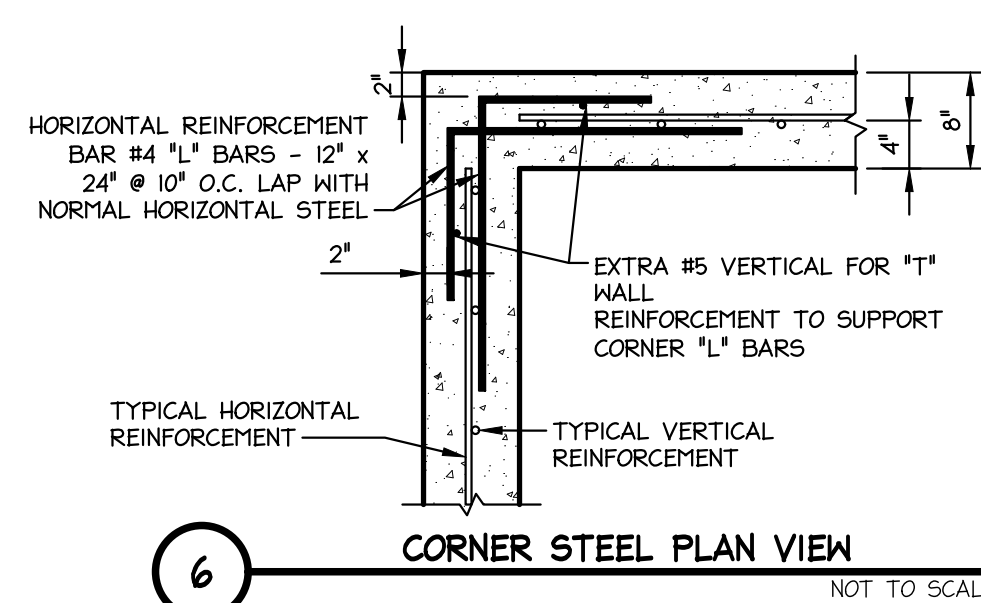
3 8' CENTER WALL DETAIL (LOOKING EAST) NOT TO SCALE



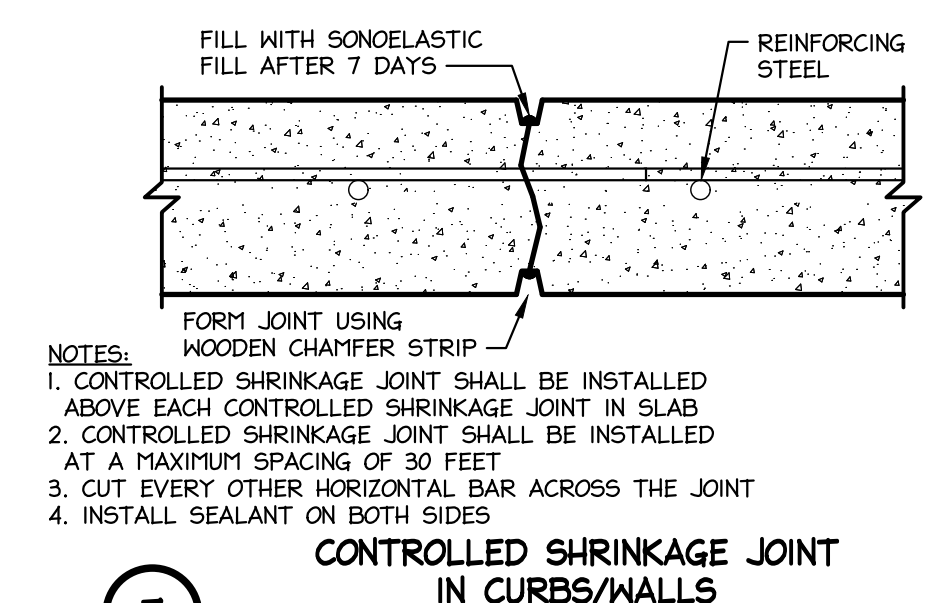
4 6' TOTAL 'T' STACKING AREA WALL DETAIL (NORTH END, LOOKING EAST) NOT TO SCALE



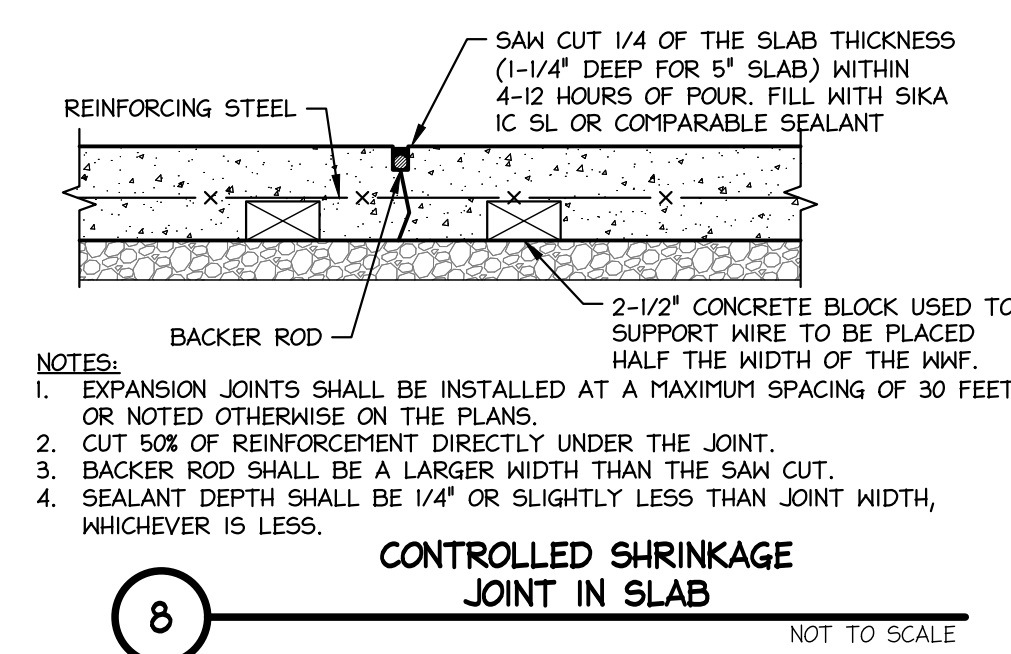
5 4' EAST WALL DETAIL (LOOKING SOUTH) NOT TO SCALE



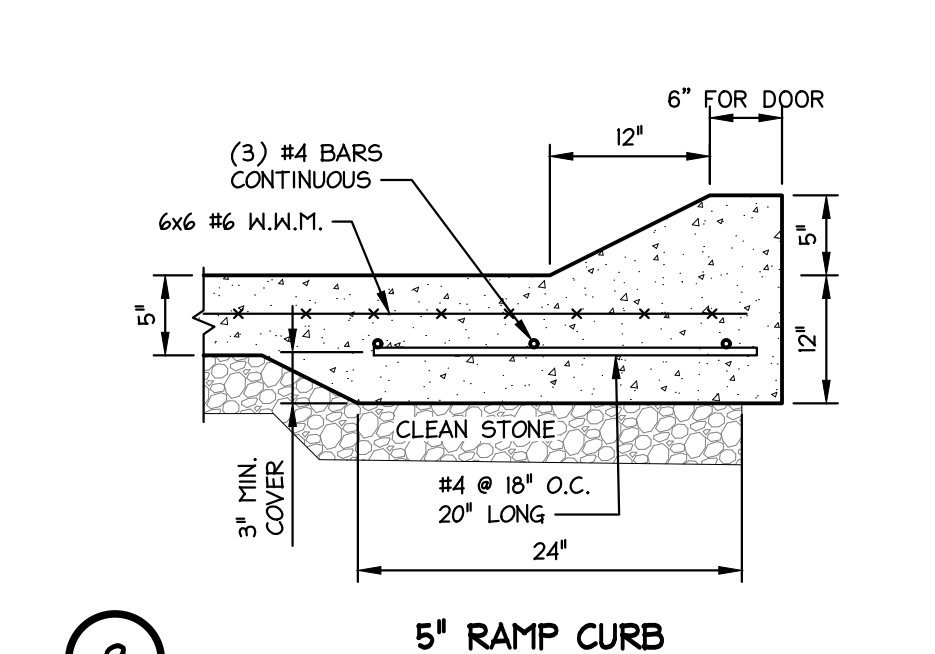
6 CORNER STEEL PLAN VIEW NOT TO SCALE



7 CONTROLLED SHRINKAGE JOINT IN CURBS/WALLS NOT TO SCALE



8 CONTROLLED SHRINKAGE JOINT IN SLAB NOT TO SCALE

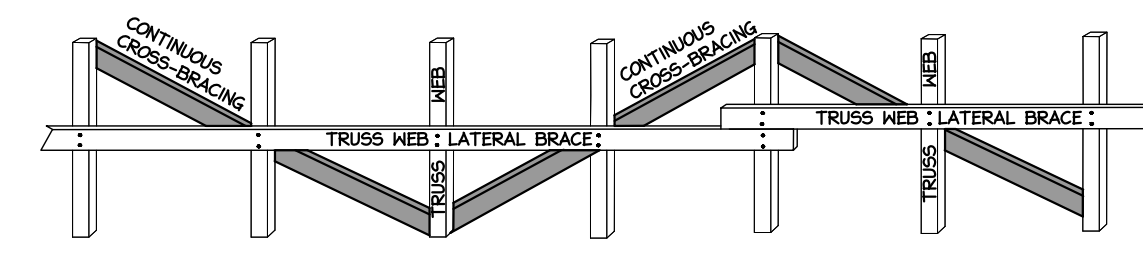


9 5' RAMP CURB NOT TO SCALE

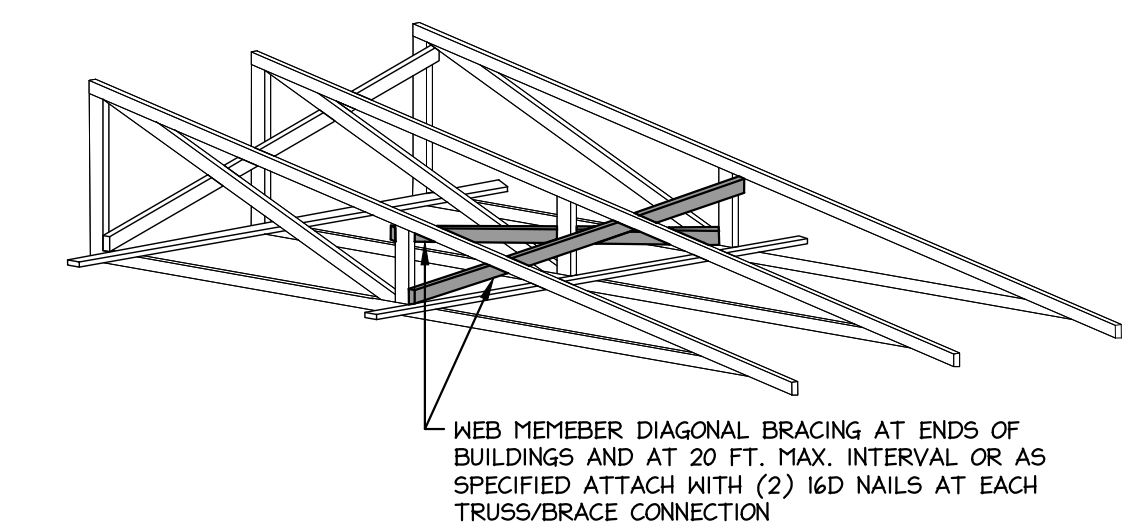
NOTES:  
 1. CONTROLLED SHRINKAGE JOINT SHALL BE INSTALLED ABOVE EACH CONTROLLED SHRINKAGE JOINT IN SLAB  
 2. CONTROLLED SHRINKAGE JOINT SHALL BE INSTALLED AT A MAXIMUM SPACING OF 30 FEET  
 3. CUT EVERY OTHER HORIZONTAL BAR ACROSS THE JOINT  
 4. INSTALL SEALANT ON BOTH SIDES

PROJECT TITLE	AGRICULTURAL BMPs
PROJECT MANAGER	KEITH L. HODGE
DESIGN BY	KLH
DRAWN BY	KLH
DATE	6/8/2023
PROJECT NO.	2743-22-02
REVISION	
BY	
DATE	
SEAL	
SCALE	AS NOTED
COUNTY	SOMERSET COUNTY
TOWNSHIP	SUMMIT TOWNSHIP
CLIENT	JOE WALKER 203 BERKLEYS MILL ROAD MEYERSDALE, PA 15522 814-444-2786
DRAWING	RS-3



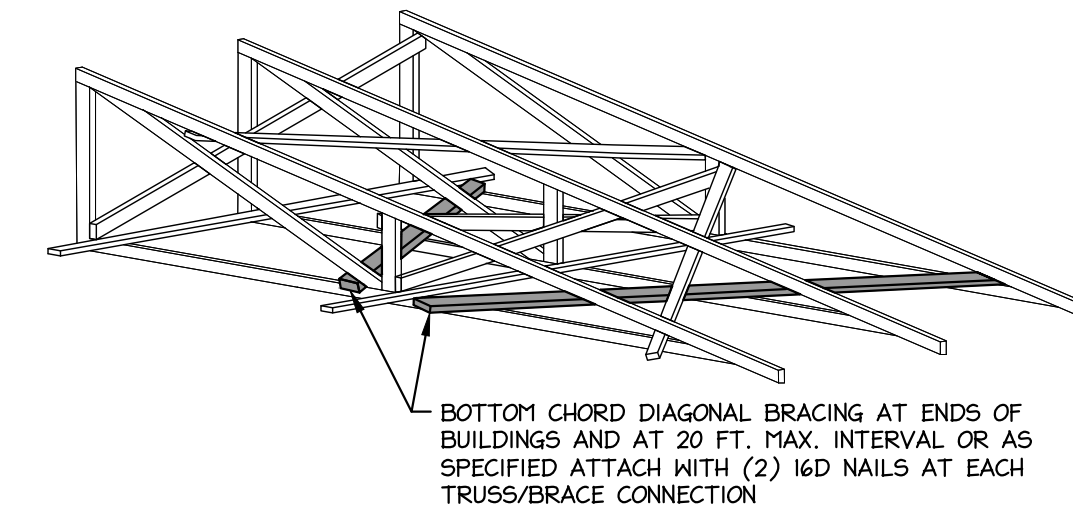


- NOTES FOR TRUSSES / STRUCTURES:**
- WHERE TRUSS DRAWINGS REQUIRE WEB MEMBER LATERAL BRACING, WEB MEMBER DIAGONAL BRACING SHALL BE INSTALLED.
  - INSTALL CONTINUOUS DIAGONAL BRACING ON THE OPPOSITE SIDE OF THE TRUSS WEB MEMBER AS THE LATERAL BRACE.
  - THE DIAGONAL BRACING MUST RUN THE ENTIRE LENGTH OF THE BUILDING.
  - OTHER DIAGONAL BRACING OPTIONS MAY BE USED THAT WILL REQUIRE BLOCKING TO AVOID "FLEXING" THE BRACES OVER MEMBERS.
  - DIAGONAL CROSS-BRACING SHALL BE INSTALLED AT 45° OR LESS.
  - POSITION DIAGONAL BRACE IN CLOSE PROXIMITY TO LATERAL RESTRAIN AND ATTACH DIAGONAL BRACE AS CLOSE TO THE TOP AND BOTTOM CHORD AS POSSIBLE AND TO EACH WEB THAT IT CROSSES.

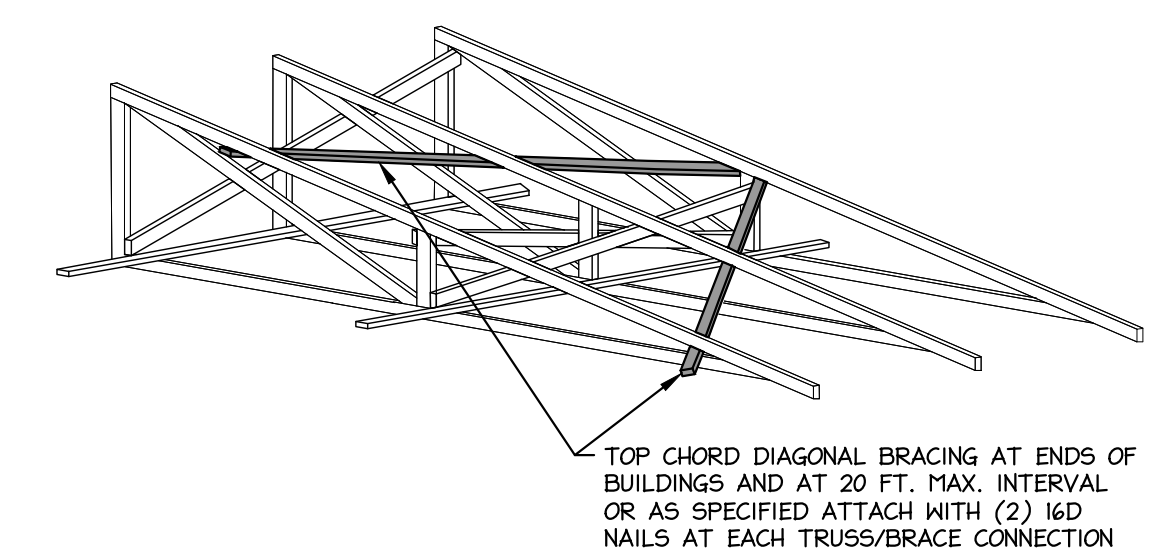


**1** **DIAGONAL WEB MEMBER BRACING WITH REQUIRED LATERAL BRACING**  
NOT TO SCALE

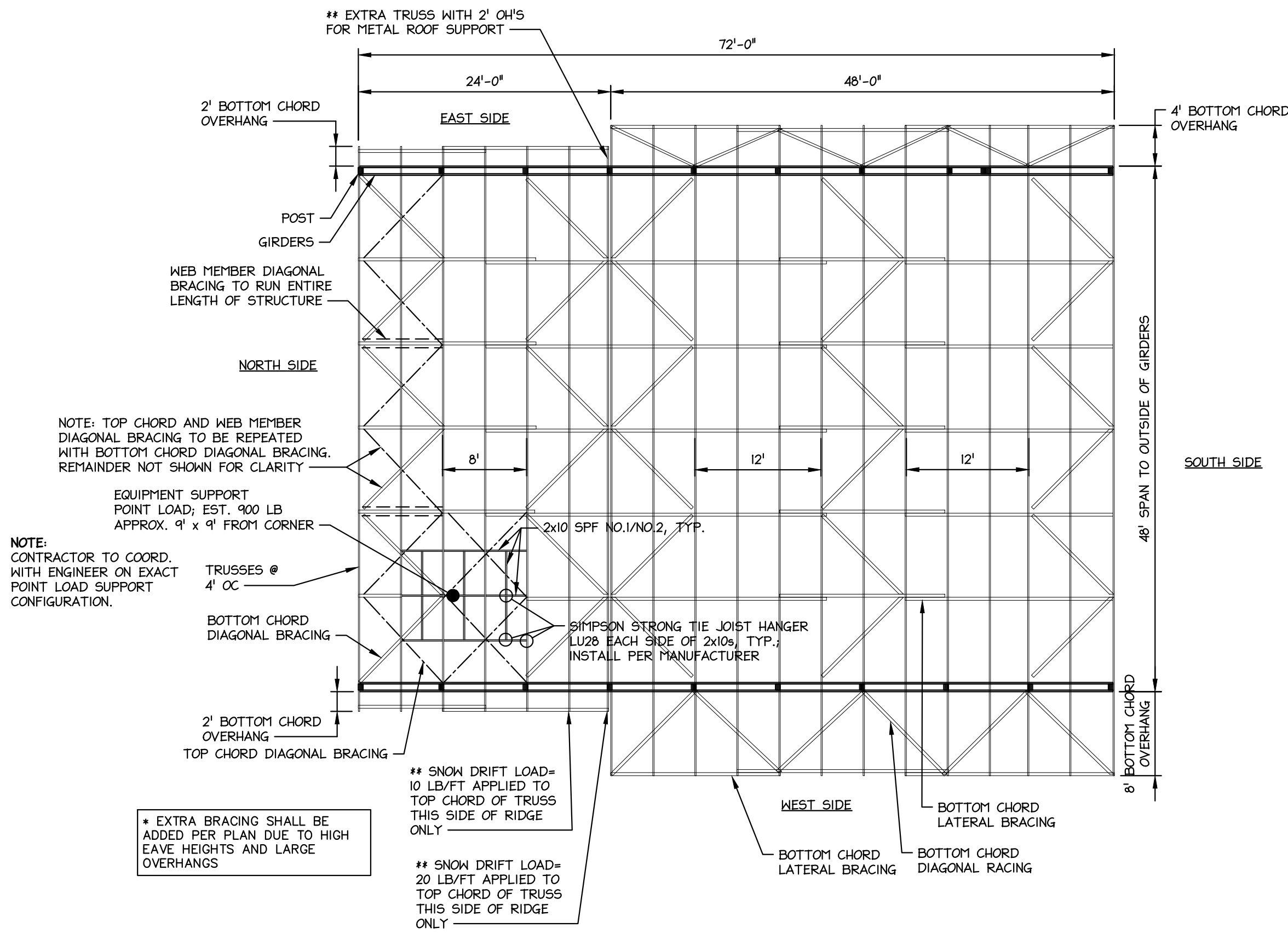
**2** **DIAGONAL WEB MEMBER BRACING**  
NOT TO SCALE



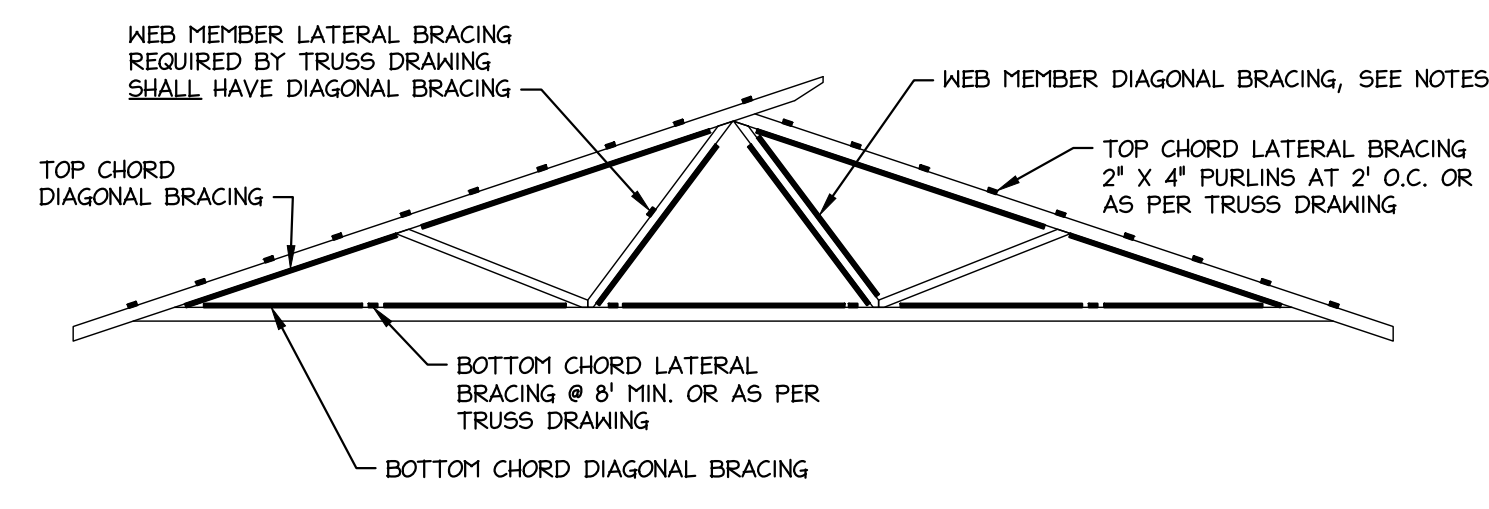
**3** **BOTTOM CHORD DIAGONAL BRACING**  
NOT TO SCALE



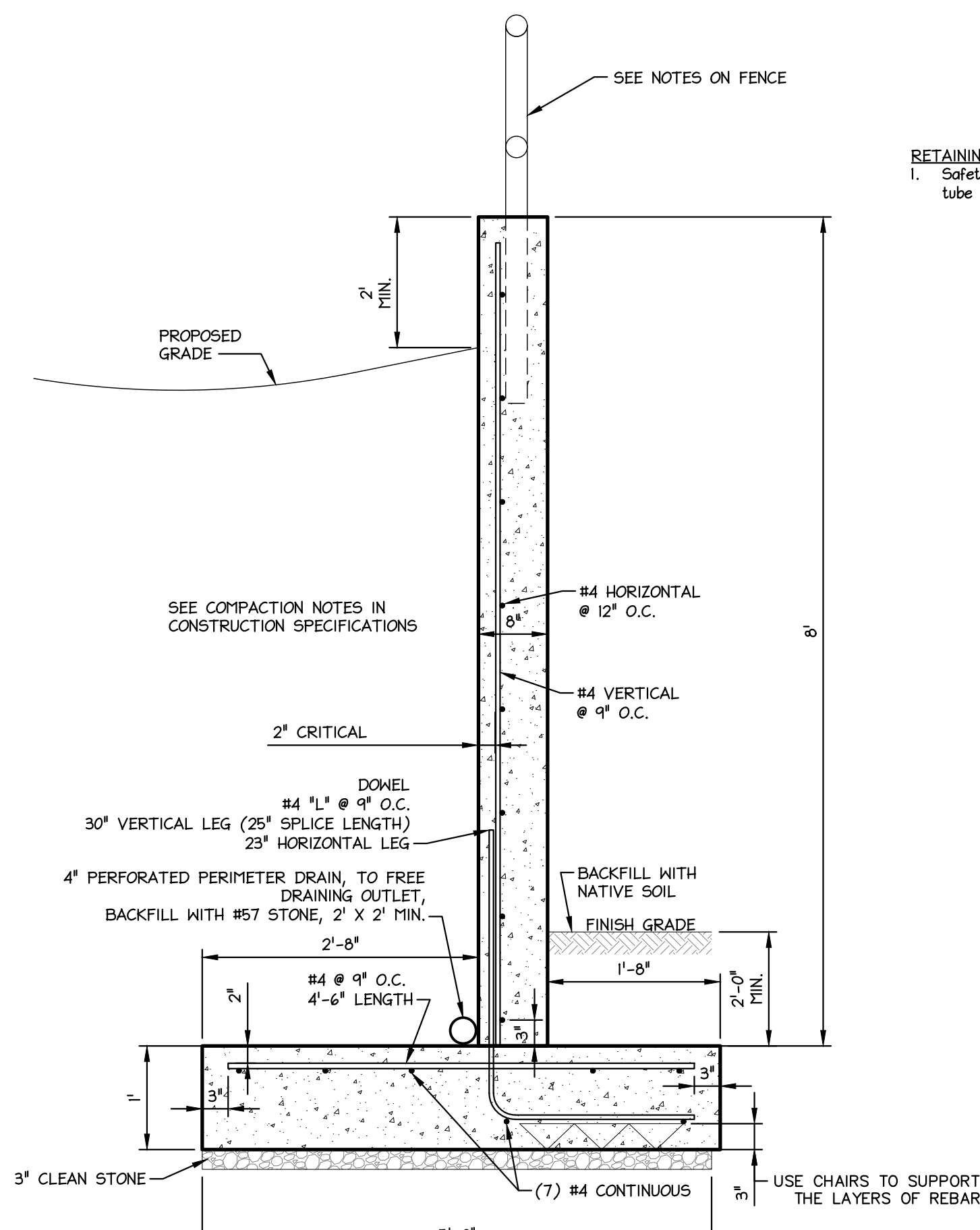
**4** **TOP CHORD DIAGONAL BRACING**  
NOT TO SCALE



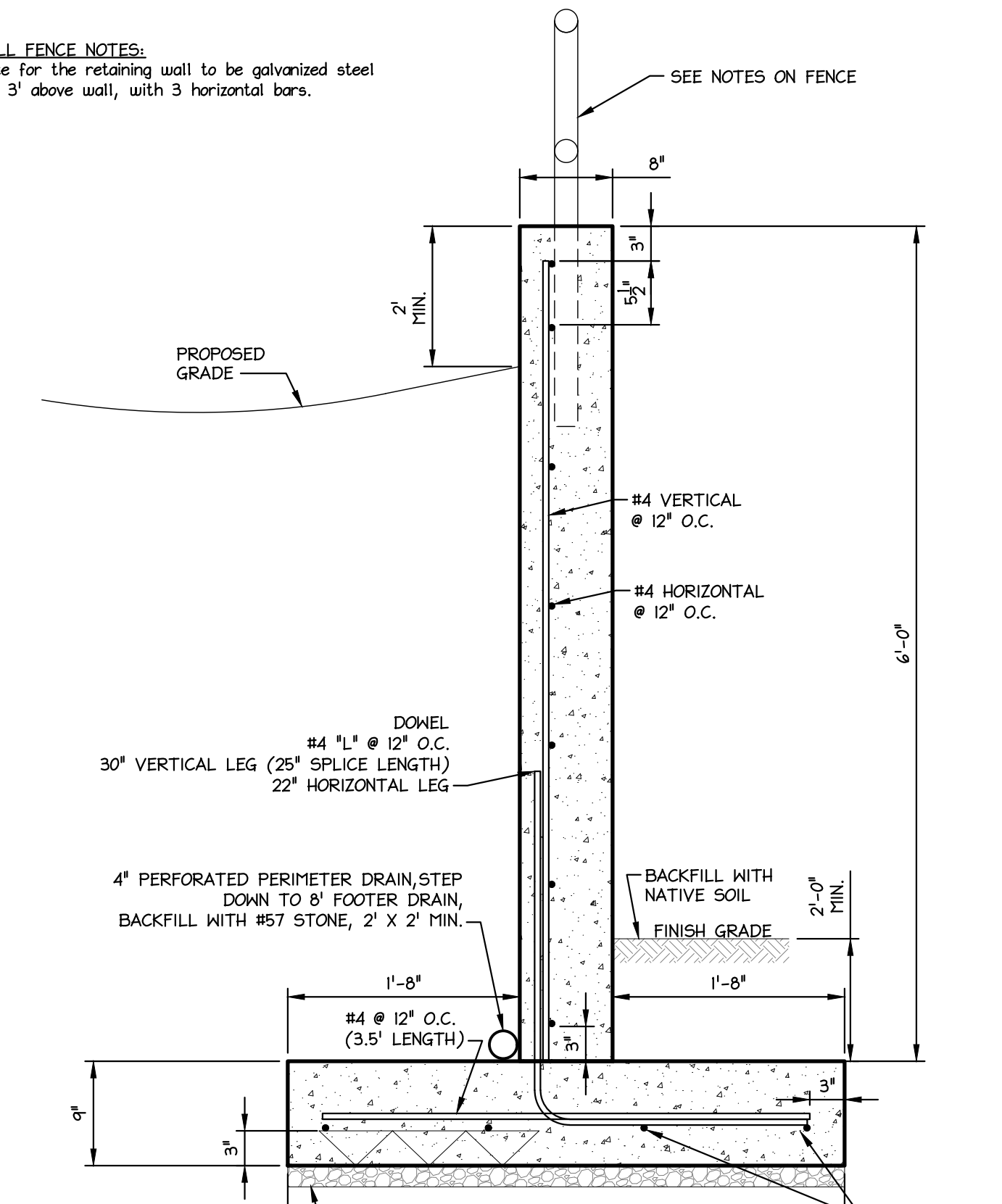
**HJA/STACKING STRUCTURE TRUSS BRACING PLAN**



- NOTES:**
- ROWS OF DIAGONAL BRACING SHALL BE PLACED AT INTERVALS OF NO MORE THAN 20' ALONG THE LENGTH OF THE BUILDING TO PROVIDE STABILITY AND TRANSFER THE FORCES FROM THE LATERAL RESTRAINT TO A LATERAL FORCE RESISTING SYSTEM.
  - WHERE TRUSS DRAWINGS REQUIRE WEB MEMBER LATERAL BRACING, WEB MEMBER DIAGONAL BRACING SHALL BE INSTALLED.
  - WHEN NO WEB MEMBER LATERAL BRACING IS REQUIRED, INSTALL DIAGONAL BRACING AT VERTICAL WEBS (WHEN POSSIBLE) AND AT OR NEAR BOTTOM CHORD LATERAL BRACING.
  - USE (2) 16D (0.195" X 3.5") NAILS AT EACH TRUSS/BRACE CONNECTION. BUTT JOINTS ARE NOT ALLOWED.
  - SEE "CHORD DIAGONAL BRACING" AND "CROSS BRACING" DRAWINGS FOR FURTHER DETAILS.
  - REFERENCE TRUSS DRAWINGS FOR ANY SPECIAL BRACING REQUIREMENTS.
  - REFERENCE BCSI GUIDES FOR FURTHER INFORMATION ON HANDLING, INSTALLING, AND BRACING TRUSSES.
  - TO BE CERTIFIED TO TRUSS PLATE INSTITUTE (TPI) STANDARDS.
  - TRUSS MANUFACTURER TO CONSIDER KNEE BRACE AXIAL FORCES AS SHOWN IN THE FRAMING/BRACING DETAILS ON ANOTHER DRAWING. TRUSS MANUFACTURER SHALL CONSIDER ADDITIVE SNOW DRIFT LOADING TO TOP CHORD AS LISTED ON THE PLANS FOR THE TRUSS DESIGN.
  - PROPER TEMPORARY BRACING OF ALL CONSTRUCTION WORK IN PROGRESS IS THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL TAKE EXTRA PRECAUTION TO TEMPORARILY BRACE THIS STRUCTURE DUE TO THE LARGE SPAN.
  - A P.E. SEALED TRUSS DESIGN MUST BE SUPPLIED TO THE ENGINEER BY THE CONTRACTOR.



**5** **8' RETAINING WALL**  
NOT TO SCALE



**6** **6' RETAINING WALL**  
NOT TO SCALE

- RETAINING WALL FENCE NOTES:**
- Safely fence for the retaining wall to be galvanized steel tube fence, 3' above wall, with 3 horizontal bars.

REVISION					
BY					
DATE					
PROJECT MANAGER	KEITH L. HODGE	DESIGN BY	KLH	DRAWN BY	KLH
				DATE	6/8/2023
				PROJECT NO.	2743-22-02
SEAL					
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PROJECT TITLE	<b>AGRICULTURAL BMPs</b>				
TOWNSHIP	SUMMIT TOWNSHIP				
COUNTY	SOMERSET COUNTY				
CLIENT	JOE WALKER 203 BERKLEYS MILL ROAD MEYERSDALE, PA 15522 814-444-2786				
	<b>BRACING DETAILS</b>				
DRAWING	RS-4				