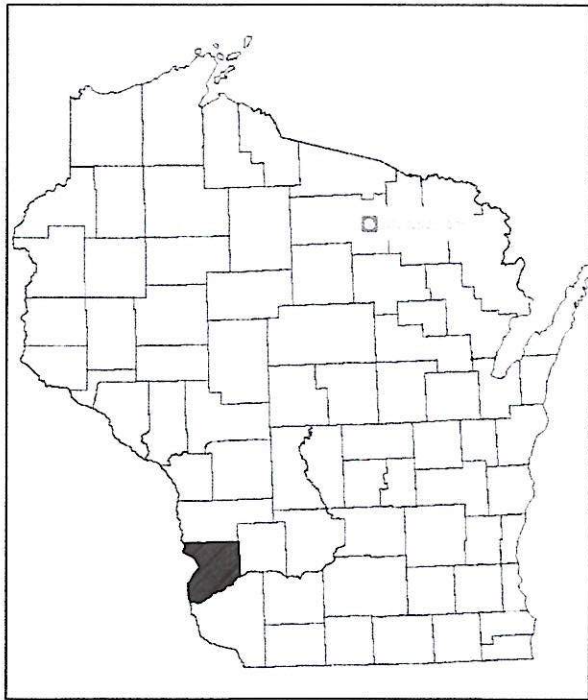


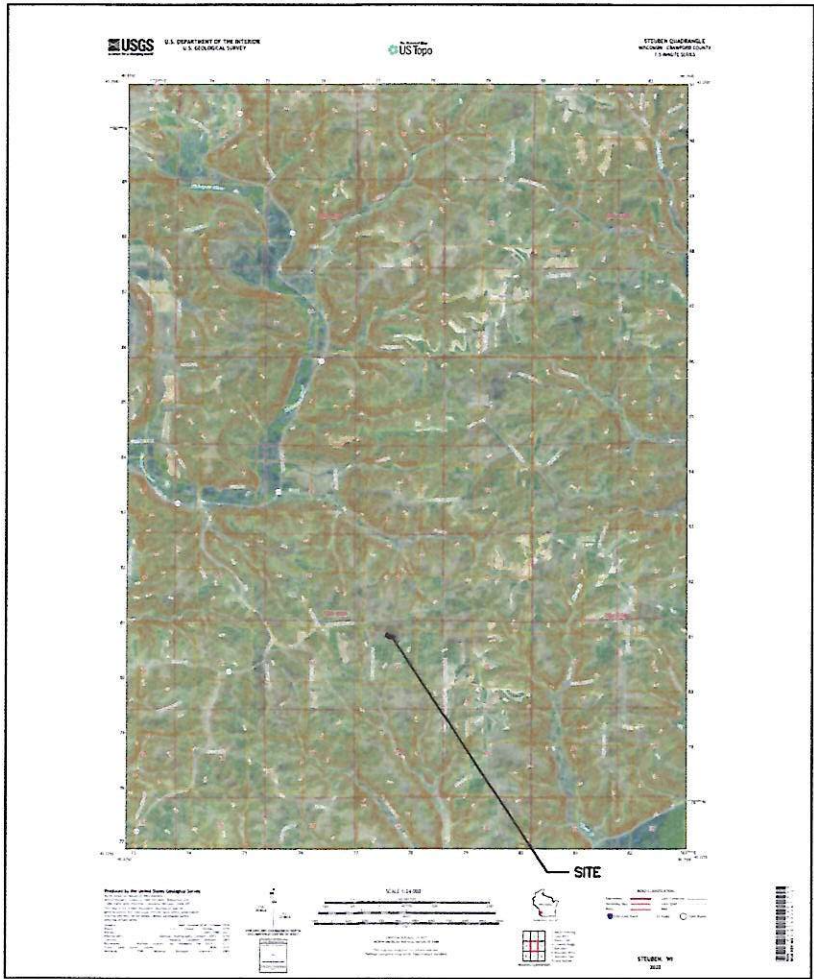
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GRUBER LIVESTOCK SOUTH, LLC
GILT DEVELOPMENT UNIT BARN

MARIETTA TOWNSHIP
CRAWFORD COUNTY

NE 1/4 of NW 1/4
SECTION 23
T-8-N R-4-W

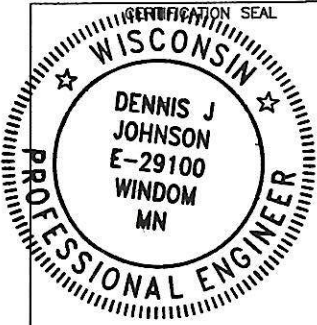


- SHEET INDEX**
- G-101 COVER SHEET
 - C-101 OVERALL SITE PLAN
 - C-102 EXISTING SITE PLAN
 - C-103 PROPOSED SITE PLAN & SETBACKS
 - C-104 PROPOSED SITE PLAN BORING LOGS
 - C-105 PROPOSED SITE PLAN ANIMAL & PIT CAPACITY CALCS
 - C-106 PROPOSED SITE GRADING PLAN
 - C-107 PROPOSED TILE & STORM WATER PLAN
 - C-108 SITE PROFILE ALIGNMENT PLAN
 - C-109 GRADING CROSS SECTIONS
 - C-110 GRADING CROSS SECTIONS
 - SW-101 SWPPP COVER
 - SW-102 SWPPP NOTES
 - SW-103 SWPPP SITE PLAN
 - SW-104 SWPPP DETAILS
 - SW-105 SWPPP DETAILS
 - S-000 STRUCTURAL NOTES
 - S-001 ISOMETRIC VIEW
 - S-100 FOUNDATION PLAN
 - S-101 CONTROL/CONSTRUCTION JOINT PLAN
 - S-102 BEAM PLAN
 - S-103 SLAT PLAN
 - S-104 STEM WALL PLAN
 - S-105 LONGITUDINAL SECTIONS
 - S-106 CROSS SECTIONS
 - S-107 STRUCTURAL DETAILS
 - S-108 STRUCTURAL DETAILS
 - S-109 STRUCTURAL DETAILS

CONTRACTOR AND/OR LANDOWNER SHALL CALL THE DIGGERS HOTLINE
TO LOCATE ANY UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION

I HEREBY CERTIFY THAT THIS PLAN WAS DEVELOPED IN
ACCORDANCE WITH WISCONSIN NRCS CONSERVATION
PRACTICE STANDARD 313 " WASTE STORAGE FACILITY"
AND 522 " POND SEALING OR LINING, CONCRETE"

 7/23/2025
DENNIS J. JOHNSON



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT
WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND
THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF WISCONSIN

 7/23/2025
DENNIS J. JOHNSON

LICENSE NUMBER E-29100
LICENSE RENEWAL DATE IS JULY 31, 2026

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

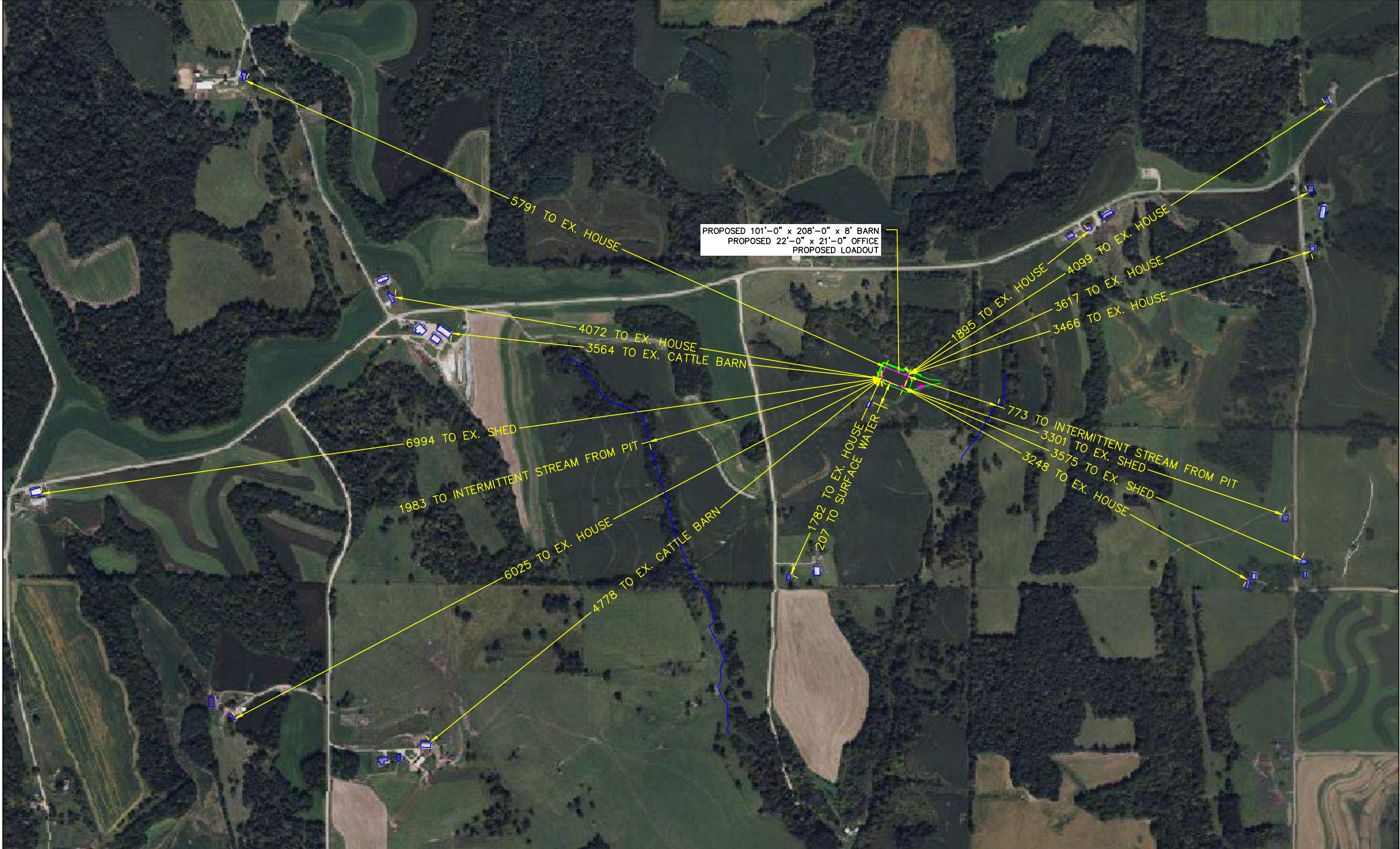
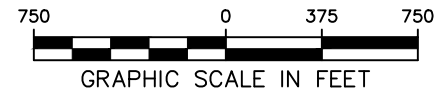
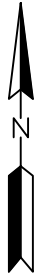


**JOHNSON
ENGINEERING
GROUP**

PO Box 384
Windom, MN 56101
(507) 832-8450

DWN BY MPJ	CHK'D DJJ	APP'D DJJ	PROJECT Gruber Livestock South GDU	SHEET TITLE Cover Page		
DWG DATE 7/23/2025			CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440	PROJECT NO. 0169-01B	SHEET NO. G-101	REV NO.
SCALE N/A						

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REV	REVISION DESCRIPTION	DWN	APP	REV DATE



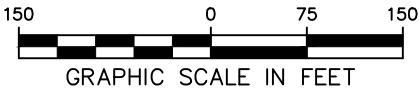
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(507) 832-8450

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DWG DATE 7/23/2025		
SCALE 1" = 750'		

PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE Overall Site Plan		REV NO.
PROJECT NO. 0169-01B	SHEET NO. C-101	

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REV	REVISION DESCRIPTION	DWN	APP	REV DATE



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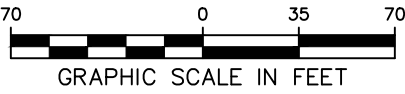
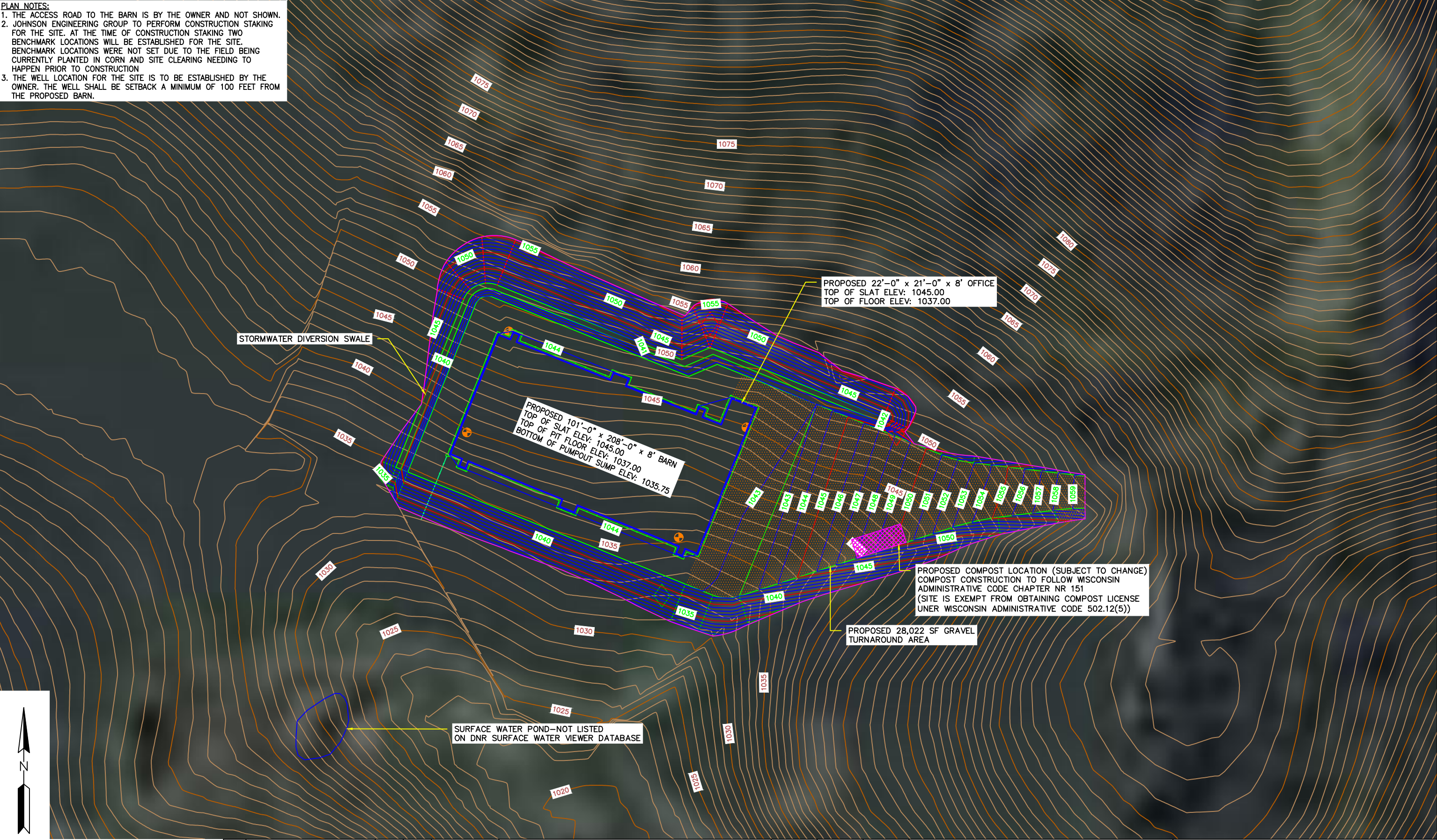
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DWG DATE 7/23/2025		
SCALE 1" = 750'		

PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE Existing Site Plan		REV NO.
PROJECT NO. 0169-01B	SHEET NO. C-102	

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PLAN NOTES:
1. THE ACCESS ROAD TO THE BARN IS BY THE OWNER AND NOT SHOWN.
2. JOHNSON ENGINEERING GROUP TO PERFORM CONSTRUCTION STAKING FOR THE SITE. AT THE TIME OF CONSTRUCTION STAKING TWO BENCHMARK LOCATIONS WILL BE ESTABLISHED FOR THE SITE. BENCHMARK LOCATIONS WERE NOT SET DUE TO THE FIELD BEING CURRENTLY PLANTED IN CORN AND SITE CLEARING NEEDING TO HAPPEN PRIOR TO CONSTRUCTION
3. THE WELL LOCATION FOR THE SITE IS TO BE ESTABLISHED BY THE OWNER. THE WELL SHALL BE SETBACK A MINIMUM OF 100 FEET FROM THE PROPOSED BARN.



REV	REVISION DESCRIPTION	DWN	APP	REV DATE



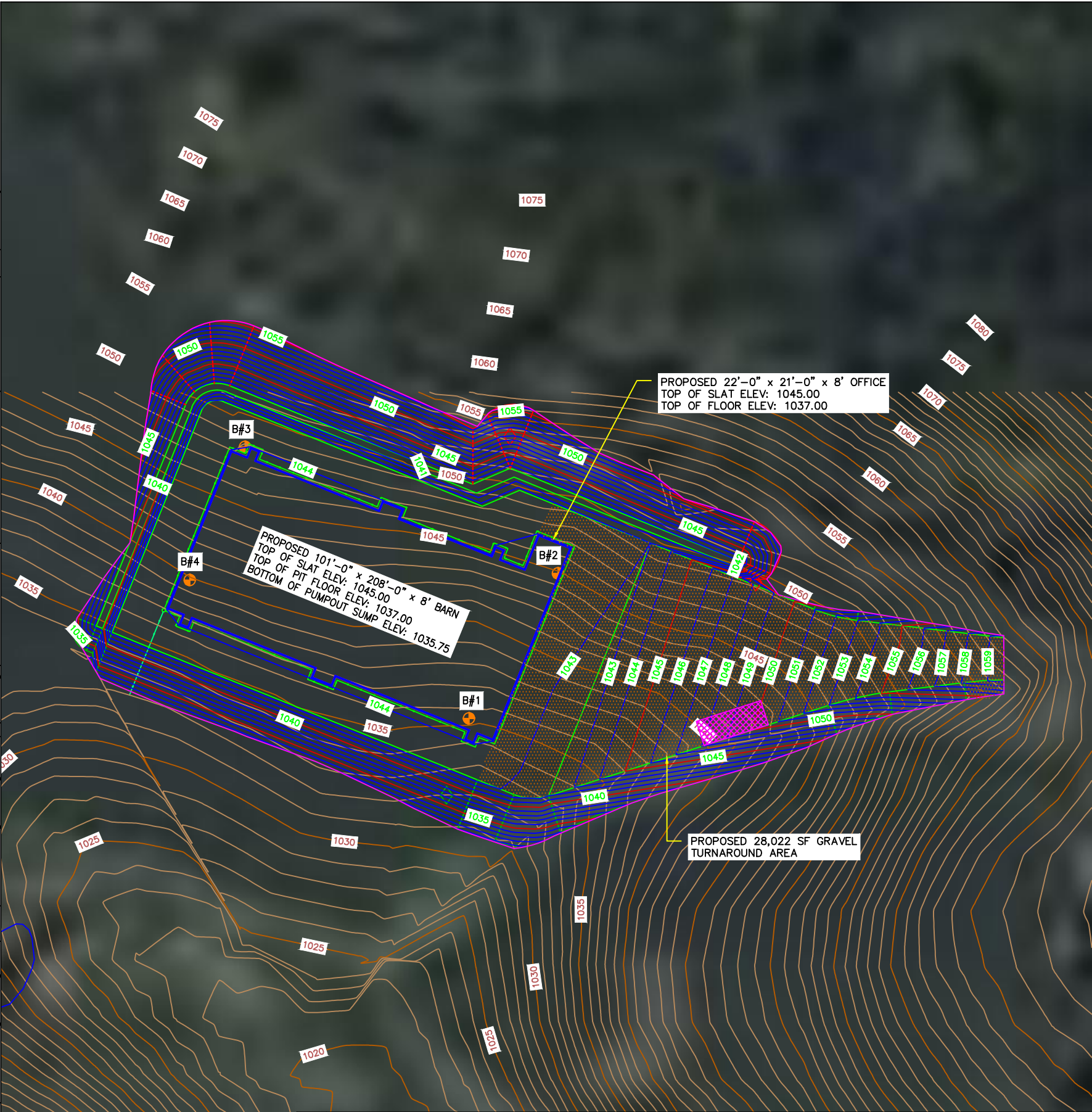
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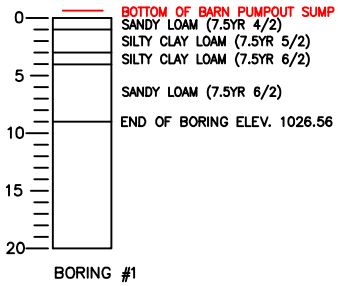
PROJECT Gruber Livestock South GDU
CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE Proposed Site Plan		
PROJECT NO. 0169-01B	SHEET NO. C-103	REV NO.

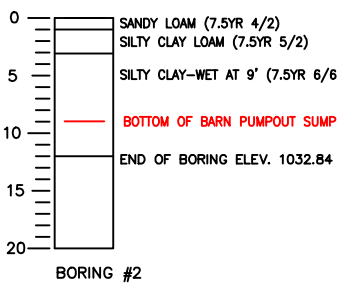
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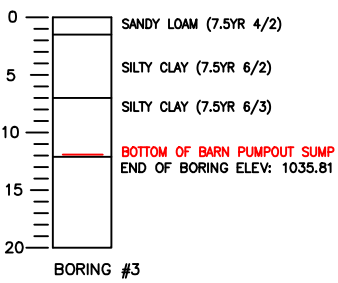
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MOTTILING LEVEL: 3'



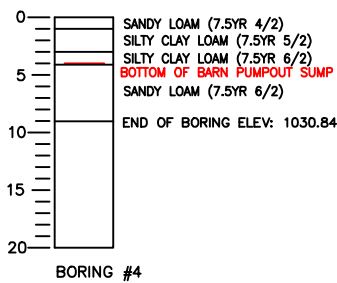
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MOTTILING LEVEL: 3'



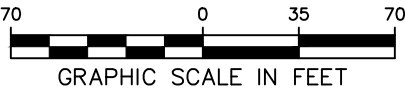
BORING ELEVATION: 1047.81
MOTTILING LEVEL: N/A



BORING ELEVATION: 1039.84
MOTTILING LEVEL: 3'



SOIL BORING INFORMATION #1 THROUGH #4 WERE PERFORMED BY JOHNSON ENGINEERING GROUP IN JULY 1, 2024



REV	REVISION DESCRIPTION	DWN	APP	REV DATE



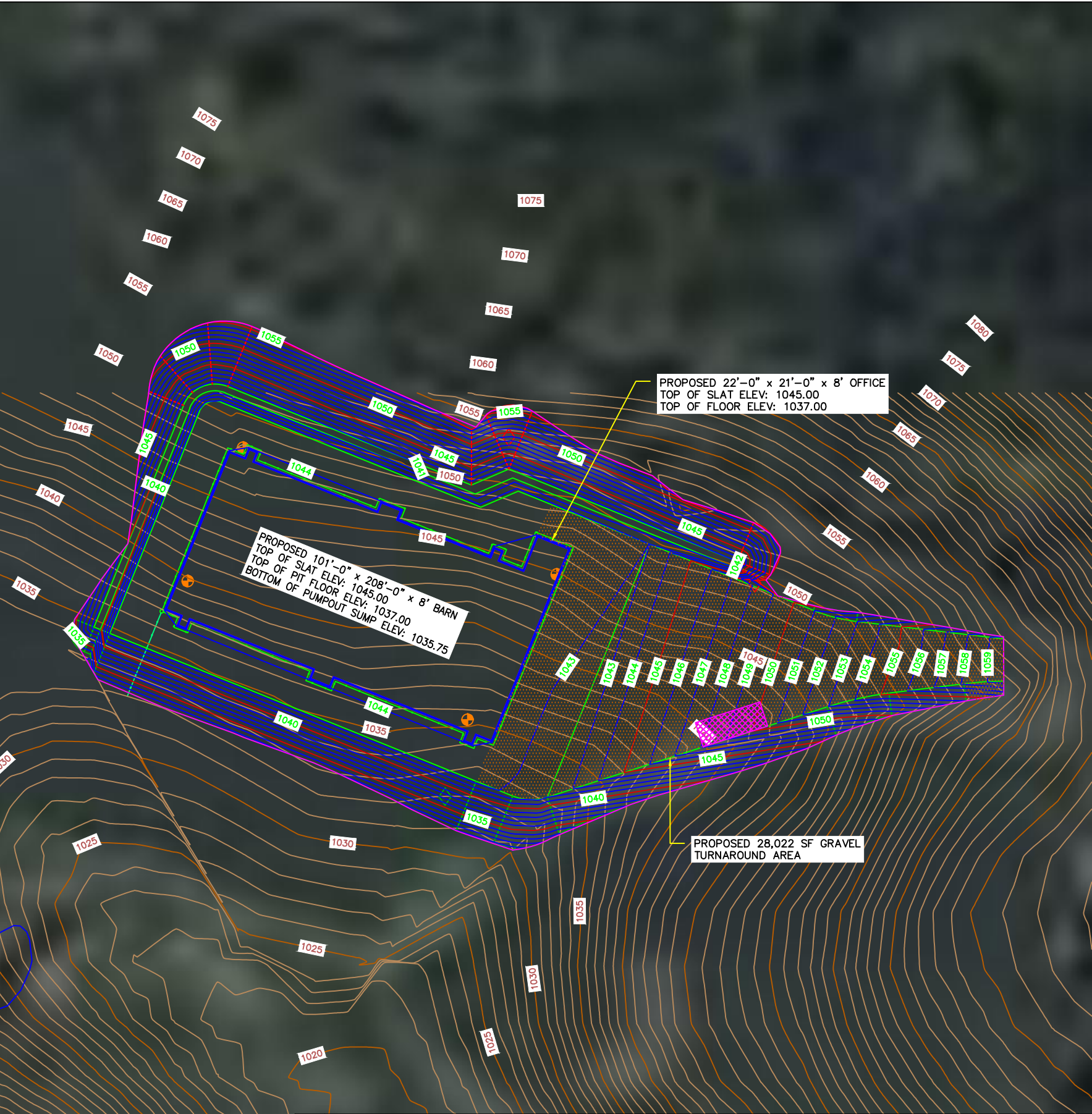
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DWG DATE 7/23/2025		
SCALE 1" = 750'		

PROJECT Gruber Livestock South GDU
CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE Proposed Site Plan Boring Logs		
PROJECT NO. 0169-01B	SHEET NO. C-104	REV NO.

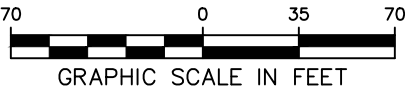
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DESIGN DATA – CONSTRUCTED

NUMBER	ANIMAL	WASTE AVG VOL., C.F. PER ANIMAL	AVE. WT., LBS.	WASTE VOL.,CU. FT./DAY
2499	GROWER	0.15	150	375
WASTE PER DAY, C.F.				375
WASTE PER 365 DAYS, C.F.				136,875
RUNOFF				---
SEDIMENT				---
TOTAL STORAGE REQUIRED				136,875
TOTAL STORAGE PROVIDED				139,853 (365+ DAYS)

99.67 x 206.67 x 6.83 =140,689 C.F.(MAIN PIT GROSS)
152 X 1.08 X 6.83 = -1,121 C.F. (COLUMNS)
206.67 X 0.83 X 6.83 = -1,171 C.F. (WALLS)
4.67 X 5.33 X 6.83 X 6 = 1,020 C.F. (PUMPOUTS TYPE 1)
6 X 5.33 X 6.83 X 2 = 436 C.F. (PUMPOUTS TYPE 2)
139,853 C.F.(NET)



REV	REVISION DESCRIPTION	DWN	APP	REV DATE



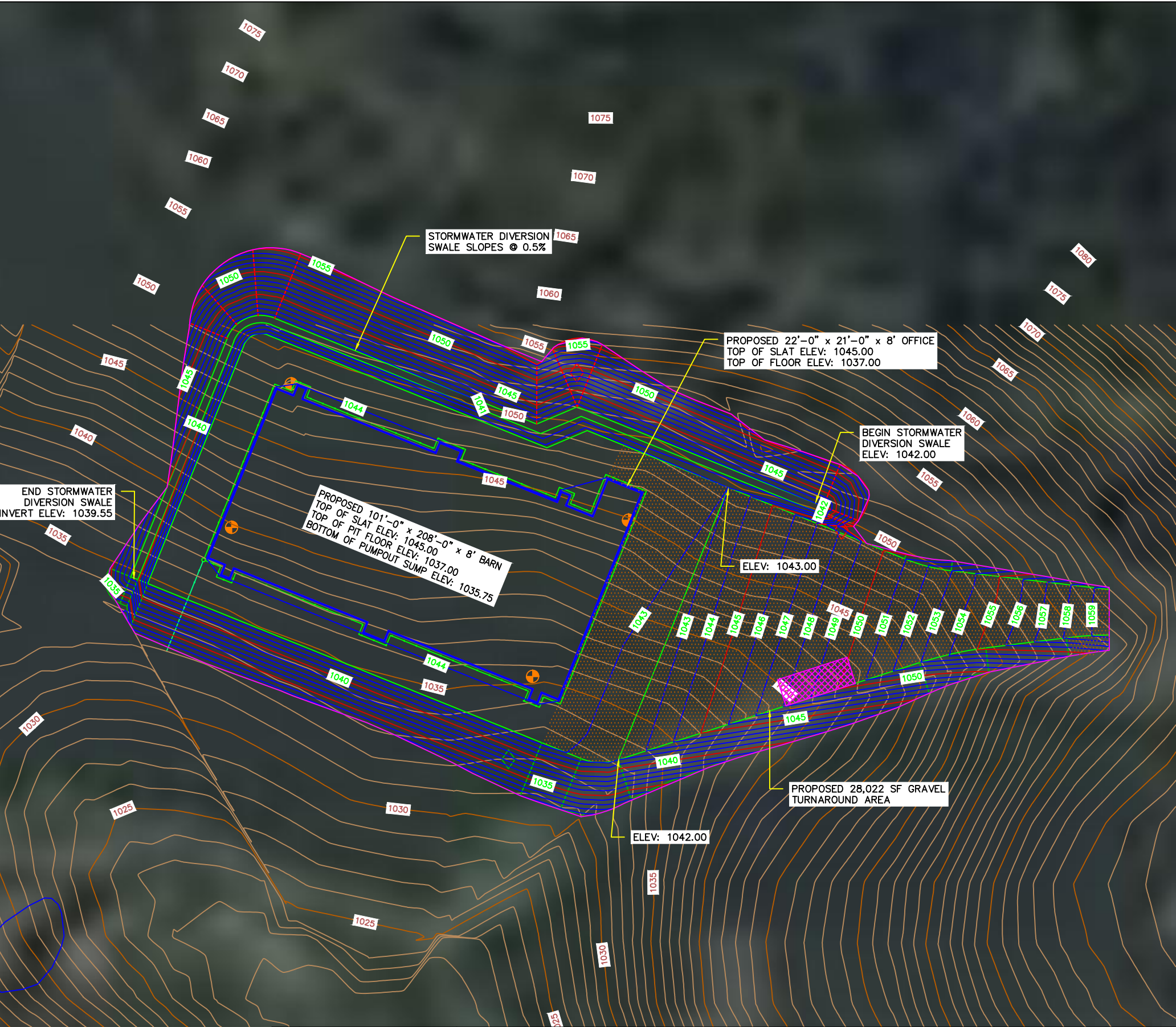
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DWN BY MPJ	CHK'D DJJ	APP'D DJJ
DWG DATE 7/23/2025		
SCALE 1" = 750'		

PROJECT Gruber Livestock South GDU
CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE Proposed Site Plan Animal & Pit Capacity Calcs		
PROJECT NO. 0169-01B	SHEET NO. C-105	REV NO.

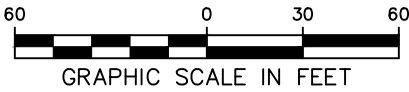
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Name	Fill Factor	Area(Sq. Ft.)	Cut(adjusted)(Cu. Yd.)	Fill(adjusted)(Cu. Yd.)	Net(adjusted)(Cu. Yd.)
COMP	1.300	93198.59	8421.25	10090.88	1669.63<Fill>

GRAVEL AND CONCRETE AREA NOTES:
1. GRAVEL AREA: 28,022 SF x 1' THICK = 28,022 C.F. = 1,037 CY x 1.30 = 1,349 CY (COMPACTED)
2. CONCRETE AREA: 21,774 SF x 5" THICK = 9,145 C.F. = 340 CY
3. TOTAL GRAVEL AND CONCRETE = 1,689 CY WITH NET ADJUSTED FILL ABOVE 1,669 CY SO SITE BALANCES.

GENERAL GRADING NOTES:
1. QUANTITIES ABOVE ARE TO FINISH GROUND ELEVATION.
2. CUT AND FILL QUANTITIES ABOVE ARE FROM EXISTING GROUND TO FINAL GROUND.
3. EXCESS CUT MAY BE USED TO FLATTEN OUT FILL AREA SLOPES. IF ADDITIONAL MATERIAL IS REQUIRED CUT SLOPES MAY BE FLATTENED OUT TO PRODUCE ADDITIONAL FILL MATERIAL.



REV	REVISION DESCRIPTION	DWN	APP	REV DATE



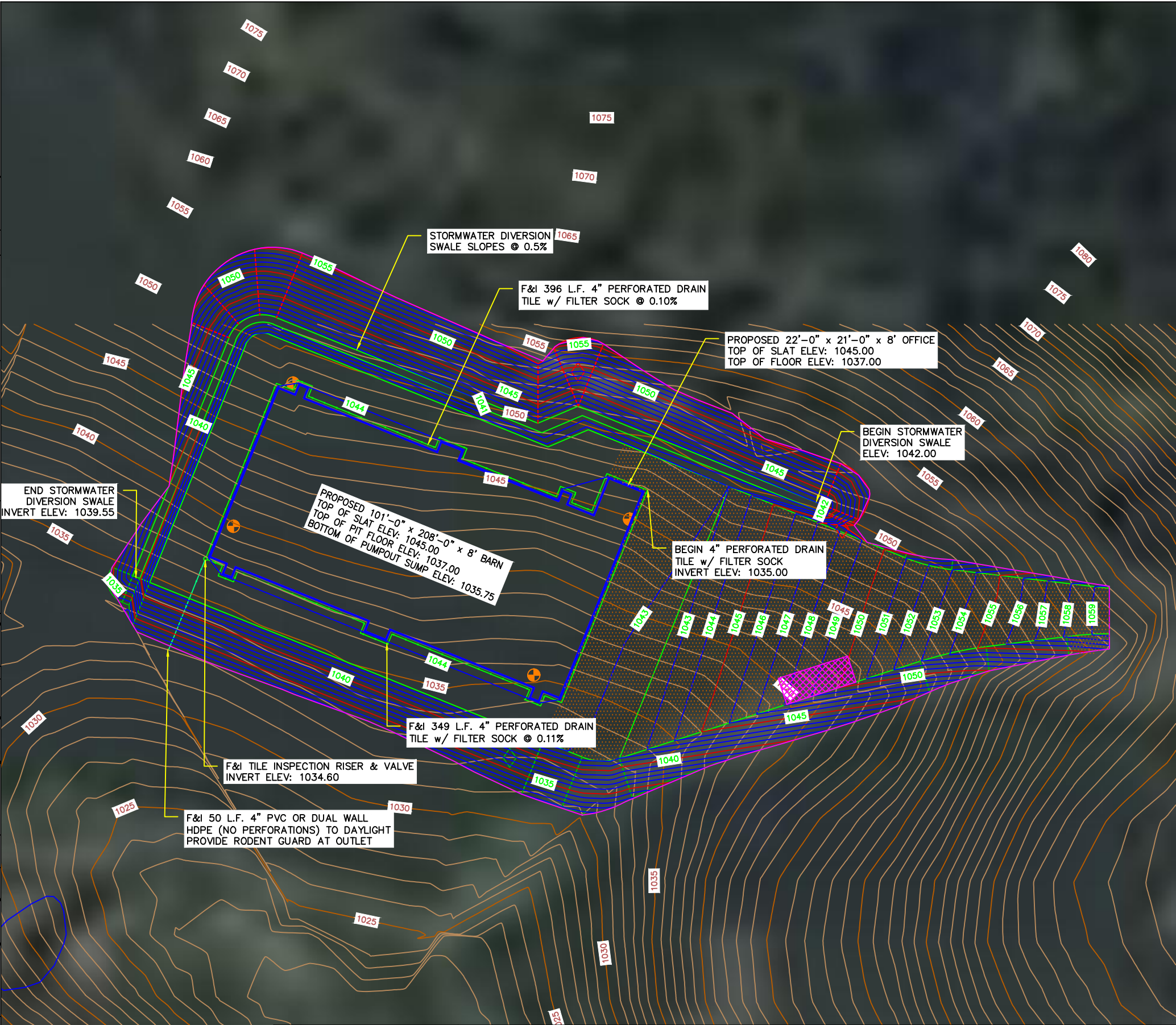
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(507) 832-8450

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DWG DATE 7/23/2025		
SCALE 1" = 750'		

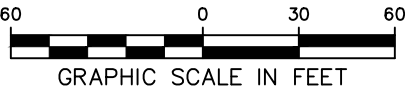
PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE	Proposed Site Plan Grading Plan		
PROJECT NO.	SHEET NO.	REV NO.	
0169-01B	C-106		

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TILE NOTES:
1. DEFINITION OF F&I = FURNISH AND INSTALL.
2. TILE IS TO BE INSTALLED ACCORDING TO WISCONSIN CONSTRUCTION SPECIFICATION 044 "CORRUGATED POLYETHYLENE TUBING" AND THE NRCS CONSERVATION PRACTICE 606 "SUBSURFACE DRAIN".
3. THE 4" DRAIN TILE IS TO BE INSTALLED WITH A FILTER SOCK. THE FILTER SOCK SHALL MEET THE MATERIAL REQUIREMENTS SPECIFIED BY THE MANUFACTURER FOR THE INTENDED USE OF THE PIPE.
4. THE OUTLET OF THE 4" DRAIN TILE SHALL BE CONSTRUCTED FROM 4" PVC OR DUAL WALL HDPE RIGID PIPE (I.E. NO PERFORATIONS). THE OUTLET SHALL BE INSTALLED WITH A RODENT GUARD.
5. THE PERFORATED PORTIONS OF THE DRAIN TILE SHALL BE CONSTRUCTED FROM 4" PERFORATED CORRUGATED POLYETHYLENE PIPE THAT MEETS ASTM F667. THE PERFORATIONS SHALL HAVE A MINIMUM WATER INLET AREA OF 1 SQUARE INCH PER LINEAL FOOT OF PIPE. THE WATER INLETS SHALL CIRCULAR PERFORATIONS OR SLOTS EQUALLY SPACED ALONG THE LENGTH AND CIRCUMFERENCE OF THE PIPE. UNLESS OTHERWISE SPECIFIED, CIRCULAR PERFORATIONS SHALL NOT EXCEED 3/16" IN DIAMETER AND SLOT PERFORATIONS SHALL NOT BE MORE THAN 1/8" WIDE.



REV	REVISION DESCRIPTION	DWN	APP	REV DATE



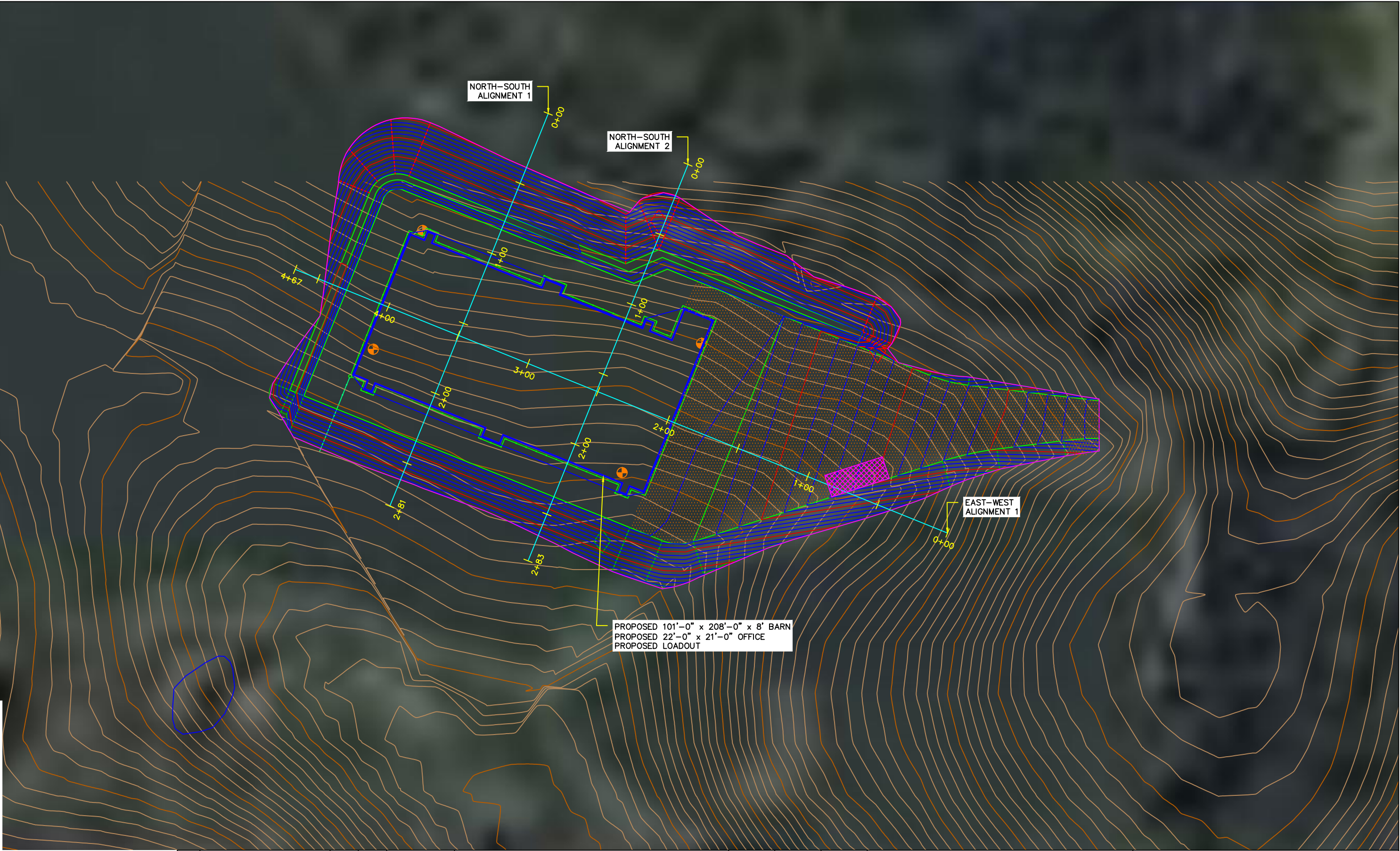
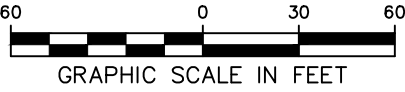
PO Box 384
Windom, MN 56101
(507) 832-8450

DWN BY	CHK'D	APP'D
MPJ	DJJ	DJJ
DWG DATE	7/23/2025	
SCALE	1" = 750'	

PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE	Proposed Tile & Storm Water Plan		
PROJECT NO.	SHEET NO.	REV NO.	
0169-01B	C-107		

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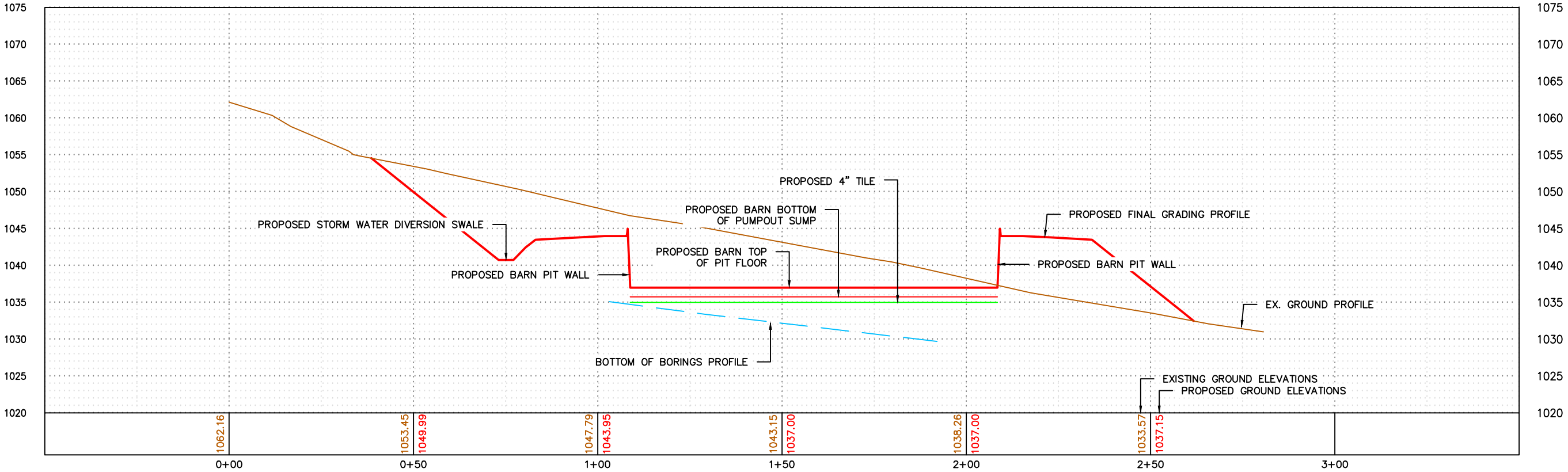
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DWG DATE 7/23/2025		
SCALE 1" = 750'		

PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

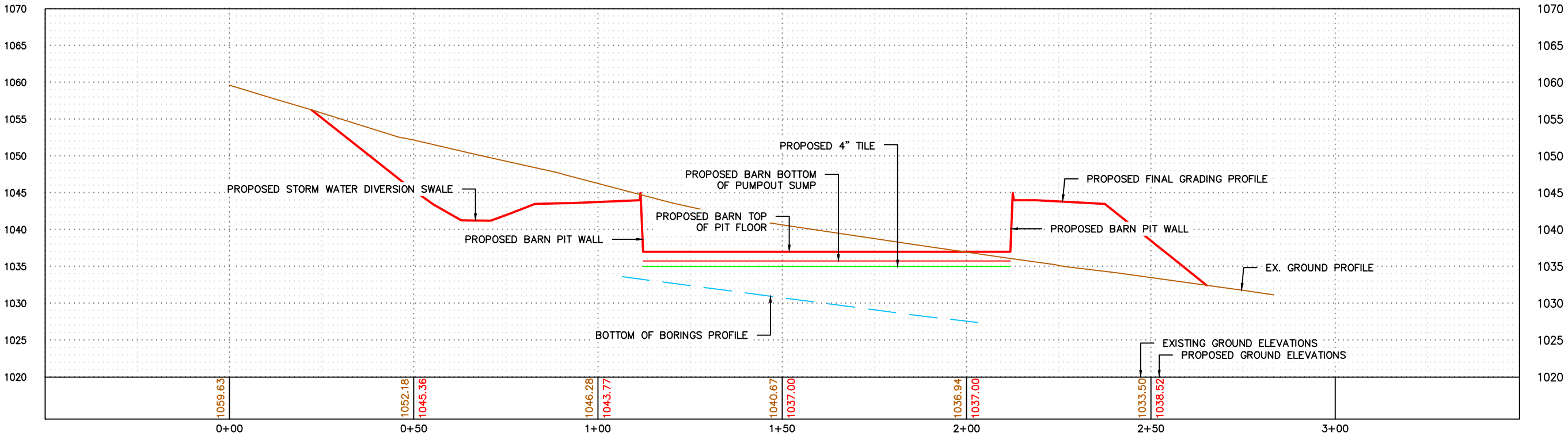
SHEET TITLE	Site Profile Alignment Plan		
PROJECT NO. 0169-01B	SHEET NO. C-108	REV NO.	

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NORTH-SOUTH 1 PROFILE



NORTH-SOUTH 2 PROFILE



PROFILE NOTES:
1. HORIZONTAL SCALE: 1"=30'
2. VERTICAL SCALE: 1"=15'
3. VERTICAL EXAGGERATION: 2 = (HORIZ/VERT SCALE)

REV	REVISION DESCRIPTION	DWN	APP	REV DATE



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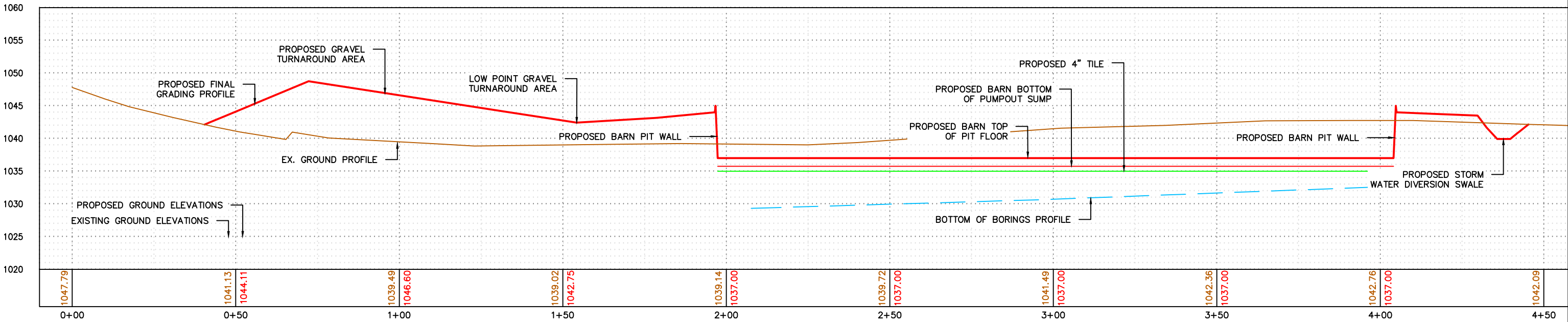
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DWG DATE 7/23/2025		
SCALE 1" = 750'		

PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE Grading Cross Sections		PROJECT NO. 0169-01B	SHEET NO. C-109	REV NO.
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EAST-WEST 1 PROFILE



PROFILE NOTES:
1. HORIZONTAL SCALE: 1"=30'
2. VERTICAL SCALE: 1"=15'
3. VERTICAL EXAGGERATION: 2 = (HORIZ/VERT SCALE)

REV	REVISION DESCRIPTION	DWN	APP	REV DATE



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DWN BY MPJ	CHK'D DJJ	APP'D DJJ
DWG DATE 7/23/2025		
SCALE 1" = 750'		

PROJECT Gruber Livestock South GDU	CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440
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SHEET TITLE Grading Cross Sections		
PROJECT NO. 0169-01B	SHEET NO. C-110	REV NO.

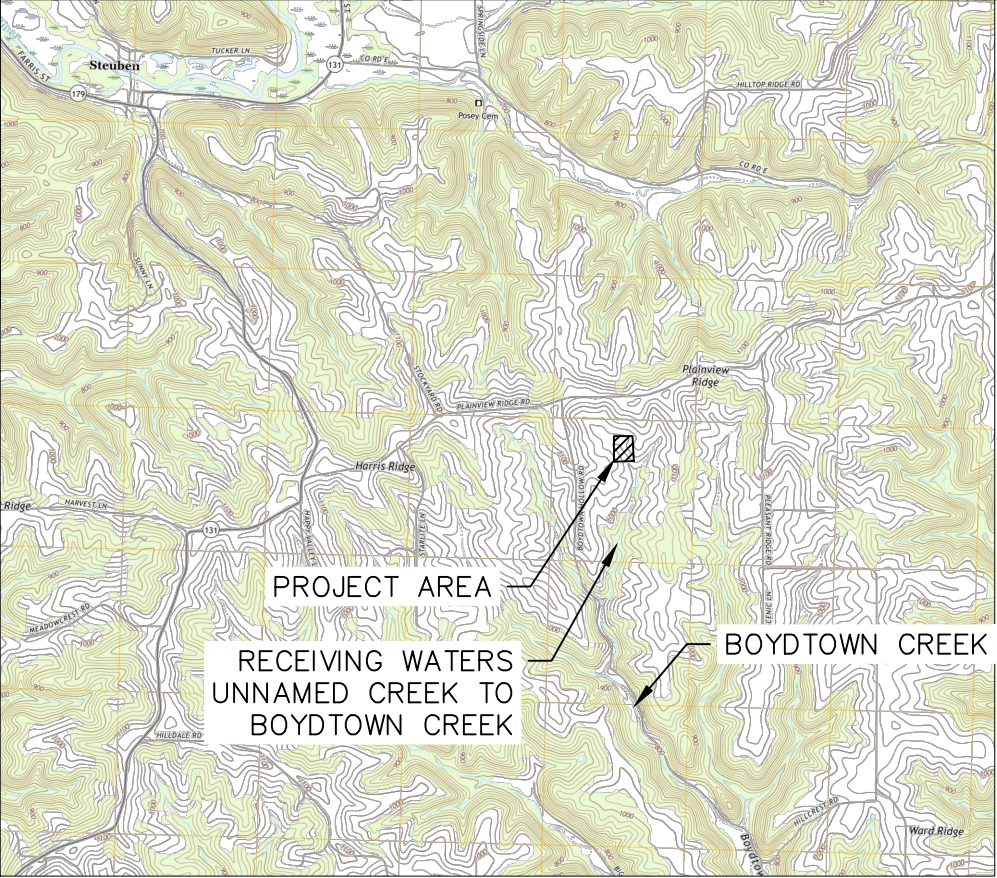
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STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

GDU BARN
CRAWFORD COUNTY, WISCONSIN



PROJECT LOCATION
STATE: WISCONSIN
WISDOT DISTRICT SW
COUNTY: CRAWFORD
TOWNSHIP: MARIETTA
NE 1/4 OF NW 1/4 SECTION: 23



BMP SUMMARY

COUNTY, STATE	TOWNSHIP	RANGE	SECTION(S)	LATITUDE	LONGITUDE
CRAWFORD, WI	T-8-N	R-4-W	23	43°9'35.39"N	90°48'59.25"W

PROJECT AREAS

Total Project Size (Lot Size) = 40.25 ACRE
Total Project Size (Disturbed Area) = 2.13 ACRE
Existing area of impervious surface = 0 ACRE
Post construction area of impervious surface = 1.14 ACRE
Total new impervious surface area created = 1.14 ACRE

Planned construction start date: SUMMER/FALL 2025
Estimated construction completion date: SPRING 2026

DESCRIPTION OF SITE AREAS

Gruber Livestock South, LLC is proposing the construction of a 101'-0" x 208'-0" x 8' deep pit GDU barn for 2499 grower pigs. There will be a 21'-0" x 22'-0" office on the northeast end of the barn. In addition there will be a 28,022 square foot gravel turnaround area. The site access road will be constructed by the owner from Planview Ridge Road. The project is located approximately 8 miles from the City of Boscobel, Wisconsin.

Any construction sediment that has accumulated in the drainage ways during construction shall be removed prior to final seeding.

Follow the erosion and sediment control plan for all construction best management practices (BMP). Any changes to this SWPPP document shall be approved by the engineer and maintained on site with the original construction documents.

BMP SUMMARY

Surface waters which will receive storm water from the site within 1 mile of property boundary. include waters shown on USGS 7.5 minute quad and all waters identified in Appendix A of the permit.

For sites with a discharge point within 1 mile of, and flows to, an impaired water, additional BMP's have been included in this SWPPP.

For receiving waters with approved TMDLs, all specific implementation activities and BMP's regarding construction activities are included in this SWPPP.



SOIL TYPE SUMMARY

MAP UNIT SYMBOL	SOIL NAME	HYD. SOIL GROUP
115D2	SEATON SILT LOAM, DRIFTLESS RIDGE, 12 TO 20 PERCENT SLOPES MODERATELY ERODED	B

BMP SUMMARY

BMP	QUANTITY	UNIT
SILT FENCE, TYPE MACHINE SPLICED (1)	660	LIN FT
TEMPORARY DITCH CHECK, TYPE 3 (BIOROLL) (1)	4	LIN FT
SEED MIX 280 (1)	BY OWNER	ACRE
HYDRAULIC MULCH MATRIX (1)	BY OWNER	TON
ROCK ENTRANCE	1	EACH
INLET PROTECTION	0	EACH

NOTE:
(1) See sheet SW-103

NAME OF WATER BODY	TYPE (DITCH, POND, WETLAND, LAKE, ETC.)	APPENDIX A SPECIAL WATER?	FLows TO IMPAIRED WATER WITHIN 1 MILE?	USEPA APPROVED TMDL?
BOYDTOWN CREEK	CREEK		NO	

BOYDTOWN CREEK DOES NOT REQUIRE ANY ADDITIONAL BMP's OR PLAN REVIEW FOR COMPLIANCE WITH THE NPDES/SDS CONSTRUCTION PERMIT

GENERAL PROJECT INFORMATION

RESPONSIBLE PARTIES:

The Contractor and Owner must apply for coverage under the MPCA General Storm Water Permit for Construction Activity as required by the National Pollutant Discharge Elimination System (NPDES) Phase II program. Coverage under the permit will begin automatically 7 calendar days after the post marked date on the application. [Longer time frames apply to sites that: (1) disturb areas greater than 50 acres AND discharge within 1 mile of a Special or Impaired Water; or (2) Use alternative storm water treatment techniques].

Owner:	GRUBER LIVESTOCK SOUTH LLC	MARY HRYCYK	(630) 673-3245
		Contact Person	Phone
SWPPP Preparer:	Johnson Engineering Group, LLC	Dennis Johnson	(507) 832-8450
		Contact Person	Phone
Contractor:	----	----	----
		Contact Person	Phone
Person Responsible for Inspections:	----	----	----
		Contact Person	Phone

The individuals identified above have been trained in accordance with the Permit's training requirements.

At least one trained individual shall be present on the permitted project site or available to the project site within 72 hours.

Documentation of proper training shall be available within 72 hours upon request.

SPECIAL ENVIROMENTAL CONSIDERATIONS:

An enviromental review has been completed for this project. Stormwater mitigative requirements have been incorporated into this SWPPP.

This site does not have the potential to affect threatened or endangered species.

This site does not drain to a Calcareous fen.

PROJECT DESCRIPTION:

This project includes disturbance of approximately 2.13 acres with 1.14 acres of new impervious area created from building and parking lots. Construction activities include the regrading of the area, placement of aggregate materials, grading, building construction, and erosion and sediment control measures, seeding and mulching.

STORM WATER MANAGEMENT:

Type of storm water management used if more than 1 acre of new imperious surface is created:

- ☐ Wet sedimentation basin
- ☐ Regional Pond
- ☐ Infiltration
- ☐ Permanent storm water management not required
- ☐ Filtration
- ☒ Alternative methods

Required Water Quality Volume: N/A
Design Water Quality Volume: N/A
Elevation of Water Quality Volume Storage: N/A
Surface Area of Water Quality Volume Storage: N/A
Allowable Discharge of Water Quality Volume: N/A
Designed Discharge for Water Quality Volume: N/A
Required Infiltration Volume: N/A
Designed Infiltration Volume: N/A

REV	REVISION DESCRIPTION	DWN	APP	REV DATE




PO Box 384
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(507) 832-8450
(507) 822-1735

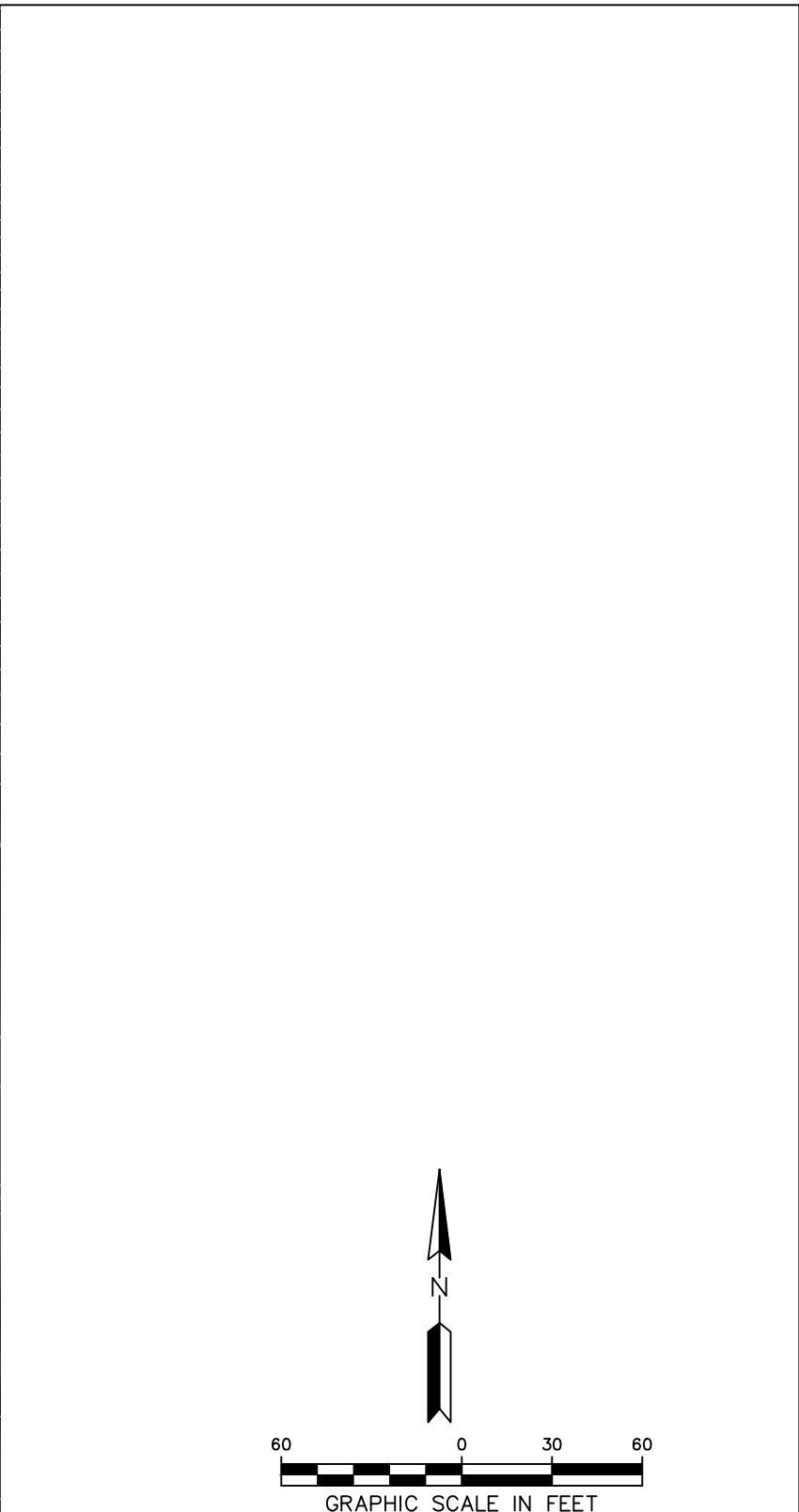
DWN BY	CHK'D	APP'D
MPJ	DJJ	DJJ
DWG DATE	7/23/2025	
SCALE	N/A	








PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE	SWPPP Cover		
PROJECT NO.	SHEET NO.	REV NO.	
0169-01B	SW-101		

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<p><u>CONSTRUCTION ACTIVITY NOTES:</u></p> <p><u>EROSION PREVENTION PRACTICES:</u> Phased construction will be used to extent practical or as indicated in the plans to minimize exposed soils.</p> <p>Areas not to be disturbed shall be delineated with flags, stakes, signs, silt fence, etc. prior to work beginning. The normal wetted perimeter of all ditches or swales, including storm water management pond slopes, that drain waters from the site must be stabilized within 200' of any property edge or discharge point, including storm sewer inlets, within 24 hours or connection.</p> <p>Energy dissipation or other outlet treatment must be installed within 24 hours of connection.</p> <p>All exposed soils must be stabilized as soon as possible but in no case later than 14 days after the construction activity has temporarily or permanently ceased.</p> <p>Seed and/or sod, fertilizer, and mulch shall be placed as indicated in the plans and project specifications.</p> <p>Rapid stabilization shall be of type and quantity indicated in the project specifications. Additional rapid stabilization may be necessary to minimize erosion throughout the duration of the project. Type and quantity shall be determined by the engineer or inspector prior to installation. In extreme cases, the contractor shall use any available rapid stabilization to immediately mitigate erosion, then further remedy the situation with approval by owner or engineer.</p> <p>If the Contractor stockpiles material on site, he shall install the appropriated erosion control devices around the stockpile and perform the best management practices possible to avoid erosion from the stockpile.</p> <p>Temporary (or permanent) sedimentation ponds are required for areas > 10 acres of disturbed soils draining to one point.</p> <p><u>SEDIMENT CONTROL PRACTICES:</u> Installation of silt fence and all other down gradient sediment protection measures shall be completed prior to commencement of upstream land disturbing activities.</p> <p>Silt fence shall be installed along constant contours with continuous lengths not to exceed 600 feet. As indicated on plans, silt fence will be periodically broken and hooked upslope in “J-hook” or “smile” patterns to provide ponding and slow runoff.</p> <p>No unbroken slope lengths greater than 75 feet are permitted when slope is 3:1 or greater. Slope shall be broken with silt fence or biorolls as indicated on plans.</p> <p>The timing and installation of sediment control practices may be adjusted to accommodate short term activities, but sediment control practices must be installed before the next precipitation event even if the activity is not complete.</p> <p>Install ditch checks (Biorolls) as shown in plan. Ditch checks to be installed after roadway is removed and left in place until final restoration is established.</p> <p>Vehicle tracking to be minimized to all practical extents. All eroded material that leaves the construction zone shall be collected by the contractor and returned to the site of the contractor's expense.</p> <p>All stock piles shall be surrounded by silt fence and seeded with temporary seed and mulch. Locations of stockpiles and the associated BMPs shall be shown on the site plans.</p> <p>All site storm sewer inlets, as well as off site downstream inlets with potential to receive sediment, shall be protected with approved established inlet protection may be removed in winter, if the project has an approval letter from jurisdictional authority or can produce it within 72 hours.</p> <p>Sediment shall be removed from surface waters immediately upon discovery and in no case later than 7 days after discovery.</p> <p>Infiltration areas shall be inspected routinely to ensure that no sediment from ongoing construction activities has reached the infiltration area and these areas shall remain protected from compaction due to construction equipment.</p> <p><u>TEMPORARY SEDIMENTATION BASINS & DEWATERING:</u> Temporary sedimentation basins are required prior to runoff leaving the construction site or entering surface waters when 10 or more acres or disturbed soils drain to a common location. The basin must provide 3,600 cubic feet of storage below the outlet per acre drained. If hydraulic calculations are available, the temporary sedimentation basin must provide a storage volume equivalent to the 2-year, 24-hour storm, but in no case less than 1800 cubic feet per acre drained. The temporary sedimentation basin must be constructed and made operational concurrent with the start of soil disturbance up gradient of the pond. The temporary sedimentation basin shall be designed to prevent short circuiting. The outfall shall be designed to remove floatable debris, allow for complete drawdown of the pond, and have energy dissipation. The emergency spillway shall be stabilized.</p> <p>All dewatering on site during construction must be routed to temporary sedimentation basins.</p> <p>Temporary sedimentation basins must be drained within 48 hours of any rainfall event. If the rock filtered outlets plug or cause the pond not to drain within 48 hours, ponds are to be drained with pumps. Pump inlets should be protected with a silt fence ring and rock filter berm as shown in the details, or an approved alternative. Excessive sediment-laden water that is not properly filtered will not be permitted to discharge from site.</p>					<p>Dewatering practices cannot cause downstream nuisance conditions, erosion, or non-permitted wetland inundation.</p> <p>When sediment level has reached ½ the storage volume in the temporary sedimentation basin, the basin shall be drained and sediment removed within 7 days.</p> <p><u>POLLUTION PREVENTION:</u> All solid waste collected from the construction site must be disposed of in accordance with IADNR disposal requirements.</p> <p>All hazardous material (e.g., oil, gasoline, fuel, antifreeze, paint, cleaning solvents, curing compounds, fertilizers, etc.) must be properly stored (including secondary containment when necessary) to prevent spills, hazardous waste must be in compliance with IADNR leaks, or other discharge.</p> <p>External washing areas must be limited to a defined area of the site. All runoff containing hazardous material must be properly collected and disposed of. Defined area must be contained with heavy- or super-duty silt fence. NO ENGINE DEGREASING ALLOWED ON SITE.</p> <p>The contractor is responsible for monitoring air pollution and ensuring it does not exceed levels set by local, state, or federal regulations. This includes dust created by work being performed on the site. Air pollution and dust control correction is considered incidental to the unit bid prices for which work is being performed. Additional dust control measures may be required by the Engineer.</p> <p><u>INSPECTION & MAINTENANCE:</u> The permittees must routinely inspect the construction site once every seven (7) days during active construction and within 24 hours of a rainfall event greater than 0.5 inches in a 24 hour period.</p> <p>All inspection performed during construction must be recorded and records retained on site with the SWPPP in accordance with the storm water permit. Records must include a site map showing areas of land disturbing activities and areas where activities have temporarily or permanently ceased.</p> <p>Silt fence, biorolls and inlet protection devices must be maintained when non-functional or when accumulated sediment reaches 1/3 of device height.</p> <p>Off site vehicle tracking to be removed within 24 hours of occurrence.</p> <p>All non-functional BMPs must be repaired, replaced, or supplemented with functional BMPS within 24 hours of discovery, or as soon as field conditions allow access.</p> <p>Maintenance and inspection record forms are located in the project specifications for reference or provided by the site inspector.</p> <p><u>FINAL STABILIZATION</u> The permittees must submit a Notice of Termination (N.O.T.) within 30 days of final stabilization or transferring permit responsibility to another owner or operator.</p> <p>The Contractor must ensure final stabilization of the site. Final stabilization shall include a minimum of 70% vegetation establishment (100% stabilized) on all previous areas.</p> <p>All temporary erosion control measures and BMPs must be removed as part of the final site stabilization, unless directed otherwise by owner or engineer.</p> <p><u>IMPLEMENTATION SCHEDULE & PHASING:</u> 1) Install silt fence, biorolls, and rock entrances. 2) Excavate for detention pond. 3) Construct building pads, roads, and parking. 4) Stock pile excavated material as needed. 5) Fill low areas with fill material. 6) Stabilize fill, and begin construction of buildings. 7) Add additional temporary BMPs as necessary during construction based on inspection reports. 8) Ensure final stabilization measures are complete. 9) Remove erosion and sediment control BMPs. 10) Submit Notice of Termination (NOT) to within 30 days of final stabilization.</p> <p><u>RECORD RETENTION:</u> The SWPPP, all changes to it, and inspections and maintenance records must be kept at the site during construction. All owner(s) must retain the following for 3 years after submittal of NOT: 1) SWPPP; 2) Any other permits required for the project; 3) Inspection and maintenance logs; 4) All permanent operation and maintenance agreements for surface water facilities; 5) All design calculations for temporary and permanent storm water management.</p> <p><u>PLAN SHEETS:</u> Plan sheets SWPPP-101 to SWPPP-105 are also considered a part of the SWPPP for this project.</p>																																																								
<table><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td>REV</td><td>REVISION DESCRIPTION</td><td>DWN</td><td>APP</td><td>REV DATE</td></tr></table>																									REV	REVISION DESCRIPTION	DWN	APP	REV DATE	<div><div>PO Box 384 Windom, MN 56101 (507) 832-8450 (507) 822-1735</div></div>		<table><tr><td>DWN BY</td><td>CHK'D</td><td>APP'D</td></tr><tr><td>MPJ</td><td>DJJ</td><td>DJJ</td></tr><tr><td colspan="2">DWG DATE</td><td rowspan="2">CLIENT</td></tr><tr><td colspan="2">7/23/2025</td></tr><tr><td colspan="2">SCALE</td><td></td></tr><tr><td colspan="2">N/A</td><td></td></tr></table>	DWN BY	CHK'D	APP'D	MPJ	DJJ	DJJ	DWG DATE		CLIENT	7/23/2025		SCALE			N/A			<table><tr><td>PROJECT</td><td>Gruber Livestock South GDU</td></tr><tr><td>CLIENT</td><td>Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440</td></tr></table>	PROJECT	Gruber Livestock South GDU	CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440	<table><tr><td colspan="3">SHEET TITLE SWPPP Notes</td></tr><tr><td>PROJECT NO. 0169-01B</td><td>SHEET NO. SW-102</td><td>REV NO.</td></tr></table>	SHEET TITLE SWPPP Notes			PROJECT NO. 0169-01B	SHEET NO. SW-102	REV NO.
REV	REVISION DESCRIPTION	DWN	APP	REV DATE																																																									
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 = SILT FENCE
 = TEMPORARY ROCK CONSTRUCTION ENTRANCE
 = LIMITS OF DISTURBANCE
 = TEMPORARY DITCH CHECK
 = CULVERT/ INLET PROTECTION
 = EXISTING FLOW ARROW
 = PROPOSED FLOW ARROW

- 1.) ALL INLETS AND FLARED END SECTIONS, BOTH EXISTING AND PROPOSED (ONSITE AND OFFSITE) WITHIN 200' OF THE CONSTRUCTION DISTURBANCE SHALL HAVE CULVERT PROTECTION IN PLACE PRIOR TO DISTURBANCE AND AFTER CONSTRUCTION.
- 2.) CONSTRUCT ROCK CONSTRUCTION ENTRANCES AS NECESSARY THROUGHOUT THE PROJECT.
- 3.) THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF THE ROCK CONSTRUCTION ENTRANCES AT END OF THE PROJECT.
- 4.) SEED ALL DISBURBED AREAS WITH SEED MIXTURE 280 AND TYPE 3 MULCH UNLESS INDICATED OTHERWISE ON THE PLAN.
- 5.) ALL SEED NOT HYDRO APPLIED SHALL BE DISK ANCHORED.

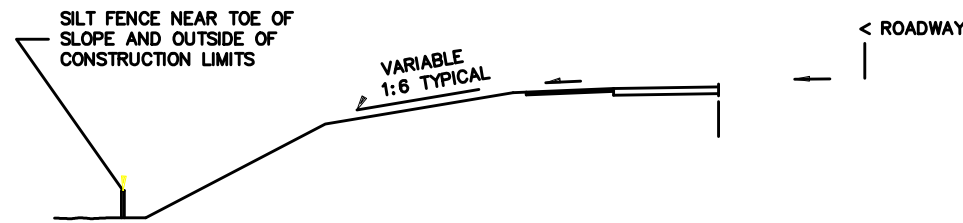
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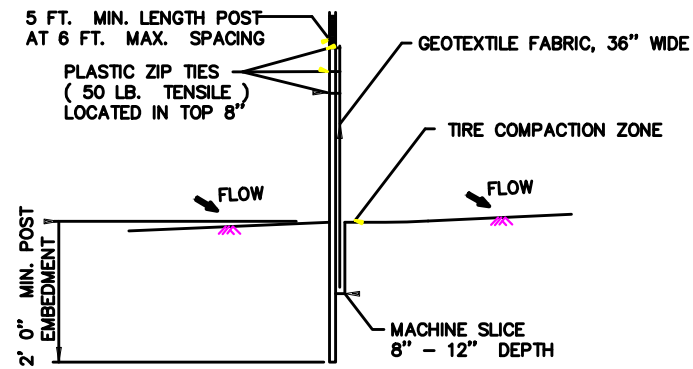
PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE			SWPPP Site Plan		
PROJECT NO. 0169-01B		SHEET NO. SW-103		REV NO.	

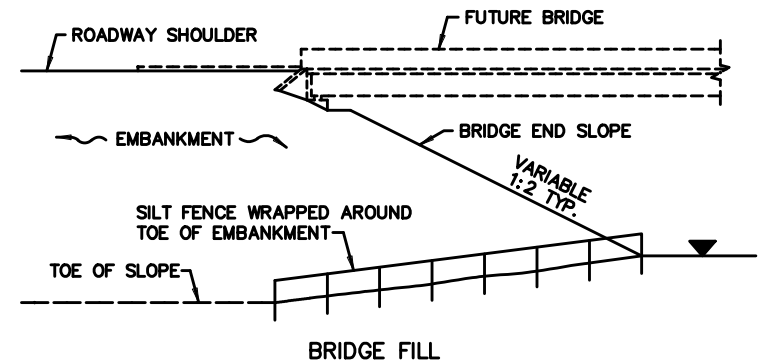
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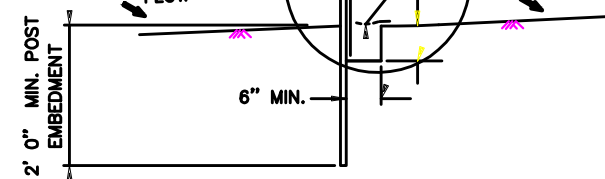
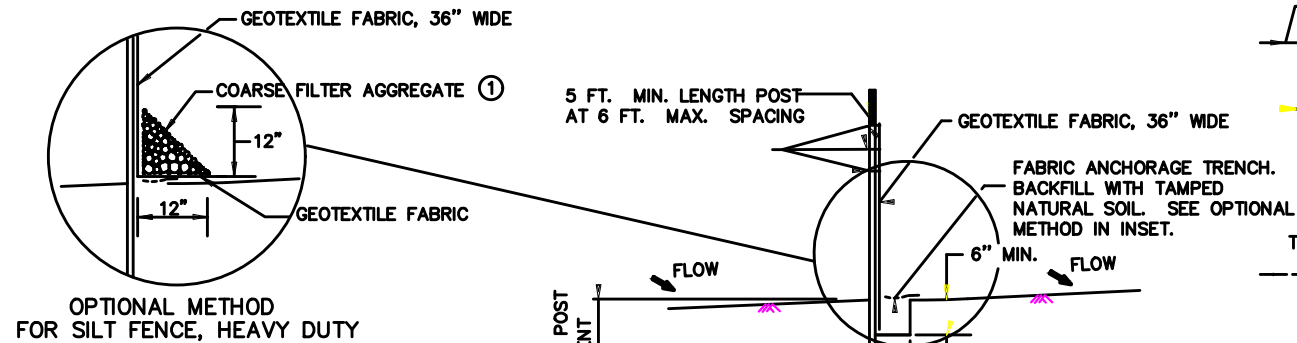
LOCATION OF SILT FENCE
AT TOE OF ROADWAY EMBANKMENT



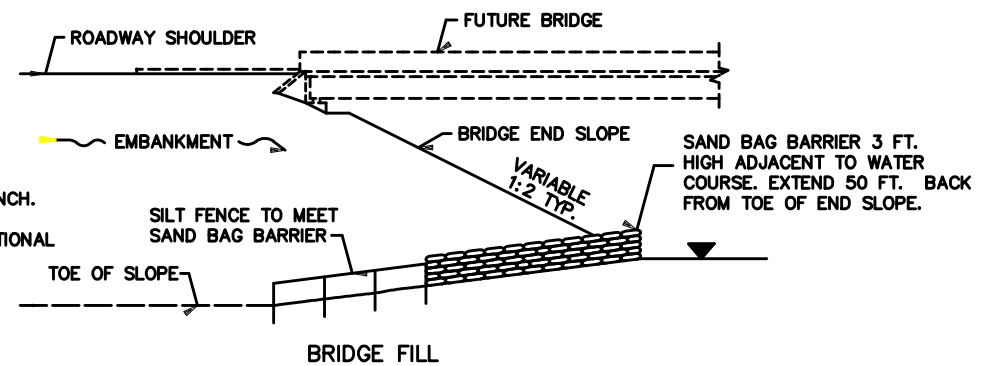
SILT FENCE, MACHINE SLICED
DESIGN GUIDELINES:
TO PROTECT AREAS FROM SHEET FLOW.
MAXIMUM CONTRIBUTING AREA: 1 ACRE.



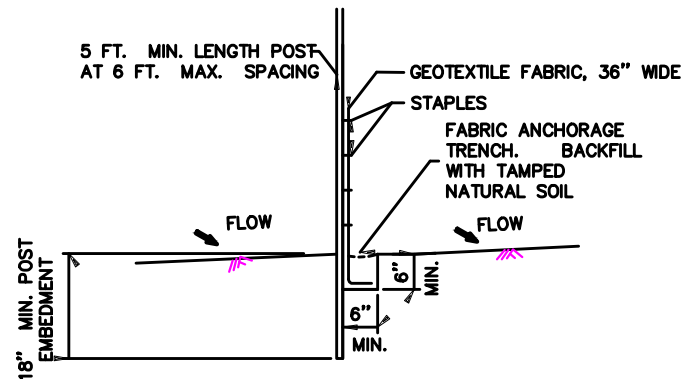
DESIGN GUIDELINES:
WATER COURSE FLOW VELOCITY: STAGNANT
CONTRIBUTING SLOPE AREA: 1/2 ACRE



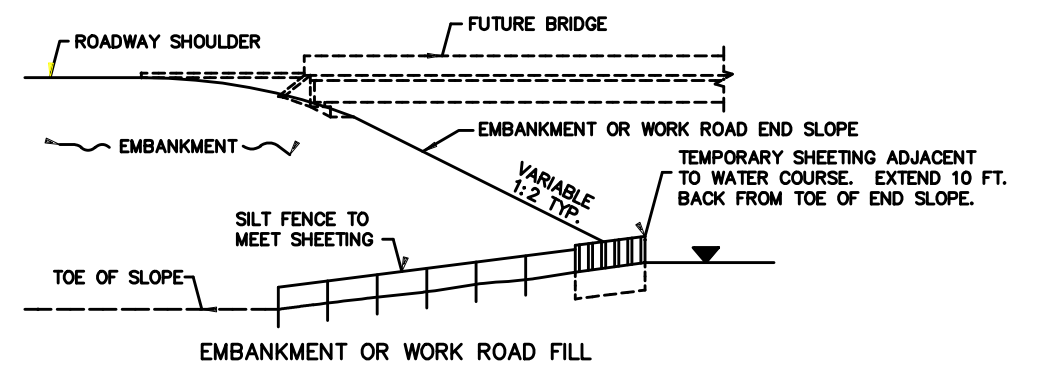
SILT FENCE, HEAVY DUTY
(HAND INSTALLED)
DESIGN GUIDELINES:
TO PROTECT AREAS FROM SHEET FLOW.
MAXIMUM CONTRIBUTING AREA: 1 ACRE.



DESIGN GUIDELINES:
WATER COURSE FLOW VELOCITY: 1 TO 7 FT./SEC.
CONTRIBUTING SLOPE AREA: 1 ACRE



SILT FENCE, PREASSEMBLED
DESIGN GUIDELINES:
TO PROTECT AREAS FROM SHEET FLOW.
MAXIMUM CONTRIBUTING AREA: 1 ACRE.



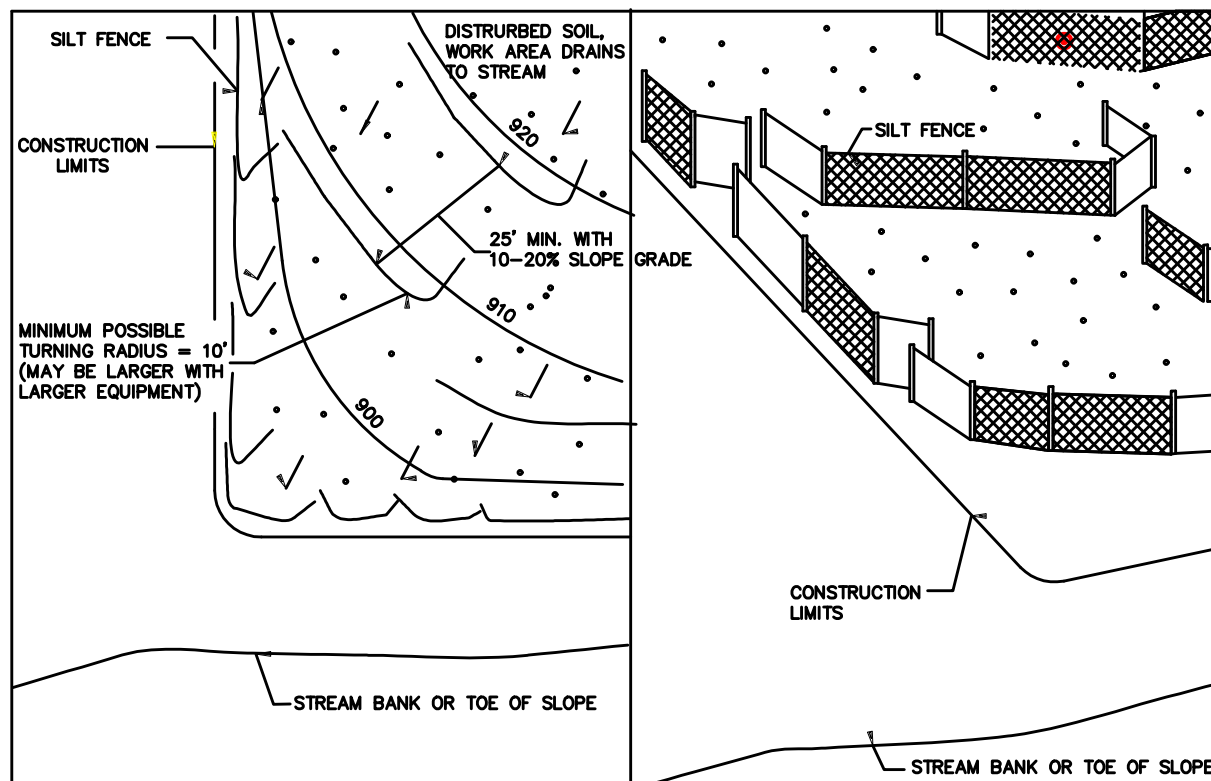
DESIGN GUIDELINES:
WATER COURSE FLOW VELOCITY: 8 TO 15 FT./SEC.
CONTRIBUTING SLOPE AREA: 3 ACRES
SILT FENCE AT BRIDGE EMBANKMENT ADJACENT TO WATER

NOTES:

SEE SPECS. 2573, 3149 & 3886.

① COARSE FILTER AGGREGATE (SPEC. 3149) SHALL BE INCIDENTAL.

TEMPORARY SEDIMENT CONTROL
SILT FENCE



PLAN VIEW

SIDE VIEW

SILT FENCE, J-HOOK INSTALLATION

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

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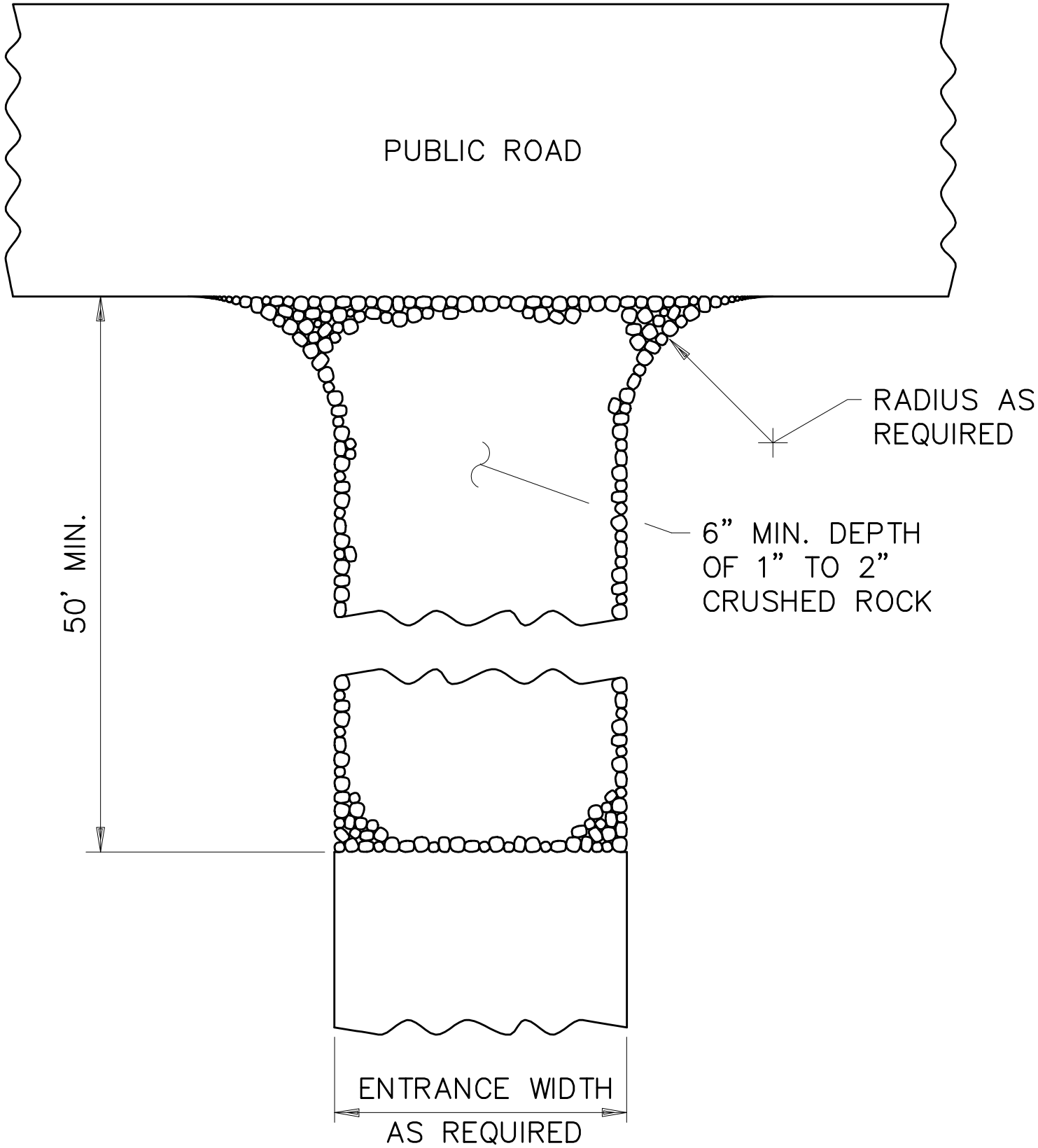
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DWN BY	CHK'D	APP'D
MPJ	DJJ	DJJ
DWG DATE	7/23/2025	
SCALE	N/A	

PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE	SWPPP Details		
PROJECT NO.	SHEET NO.	REV NO.	
0169-01B	SW-104		

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ROCK CONSTRUCTION ENTRANCE ①

REV	REVISION DESCRIPTION	DWN	APP	REV DATE

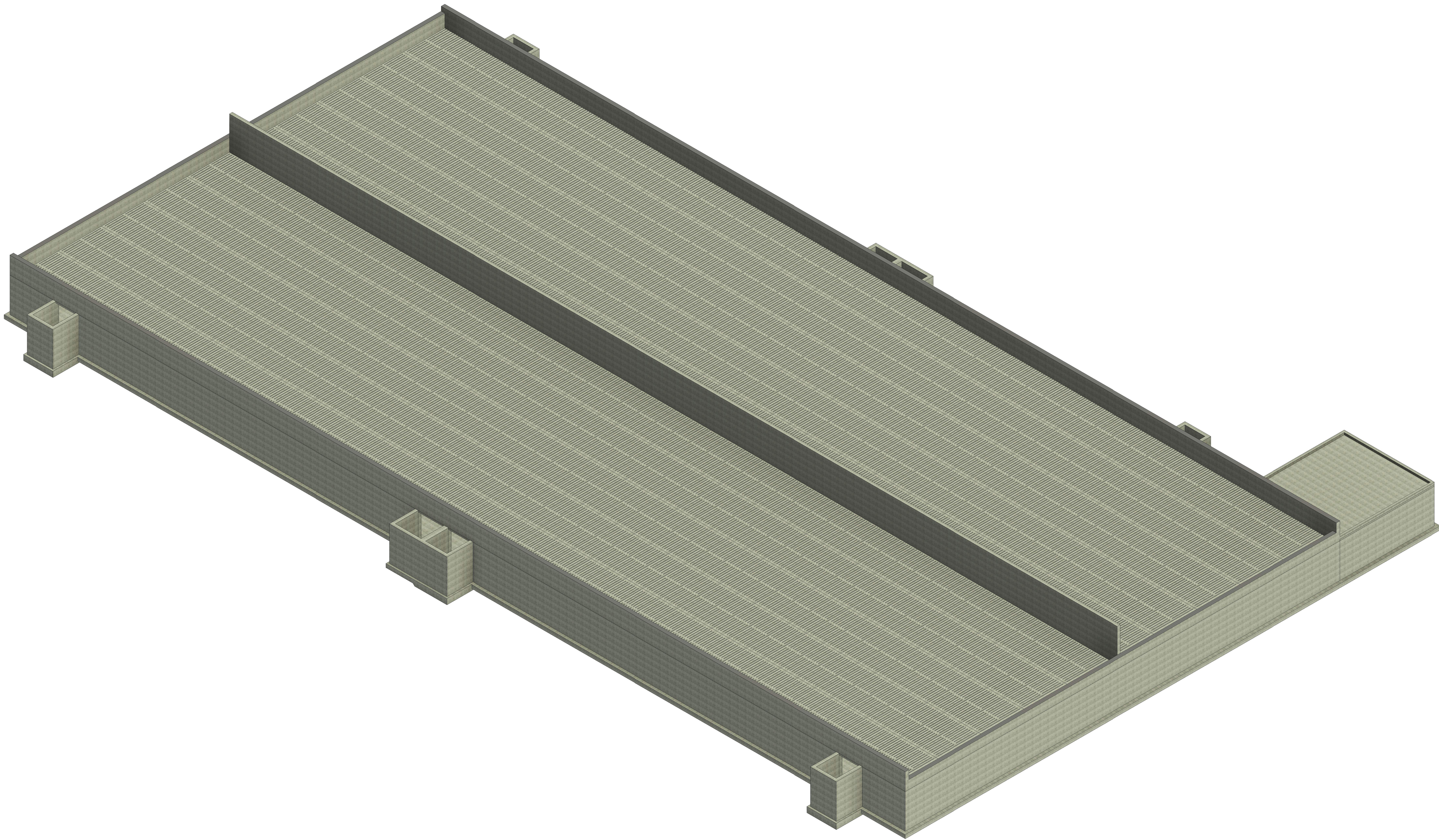


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DWN BY MPJ	CHK'D DJJ	APP'D DJJ
DWG DATE 7/23/2025		
SCALE N/A		

PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE SWPPP Details		
PROJECT NO. 0169-01B	SHEET NO. SW-105	REV NO.



REV	REVISION DESCRIPTION	DWN	APP	REV DATE

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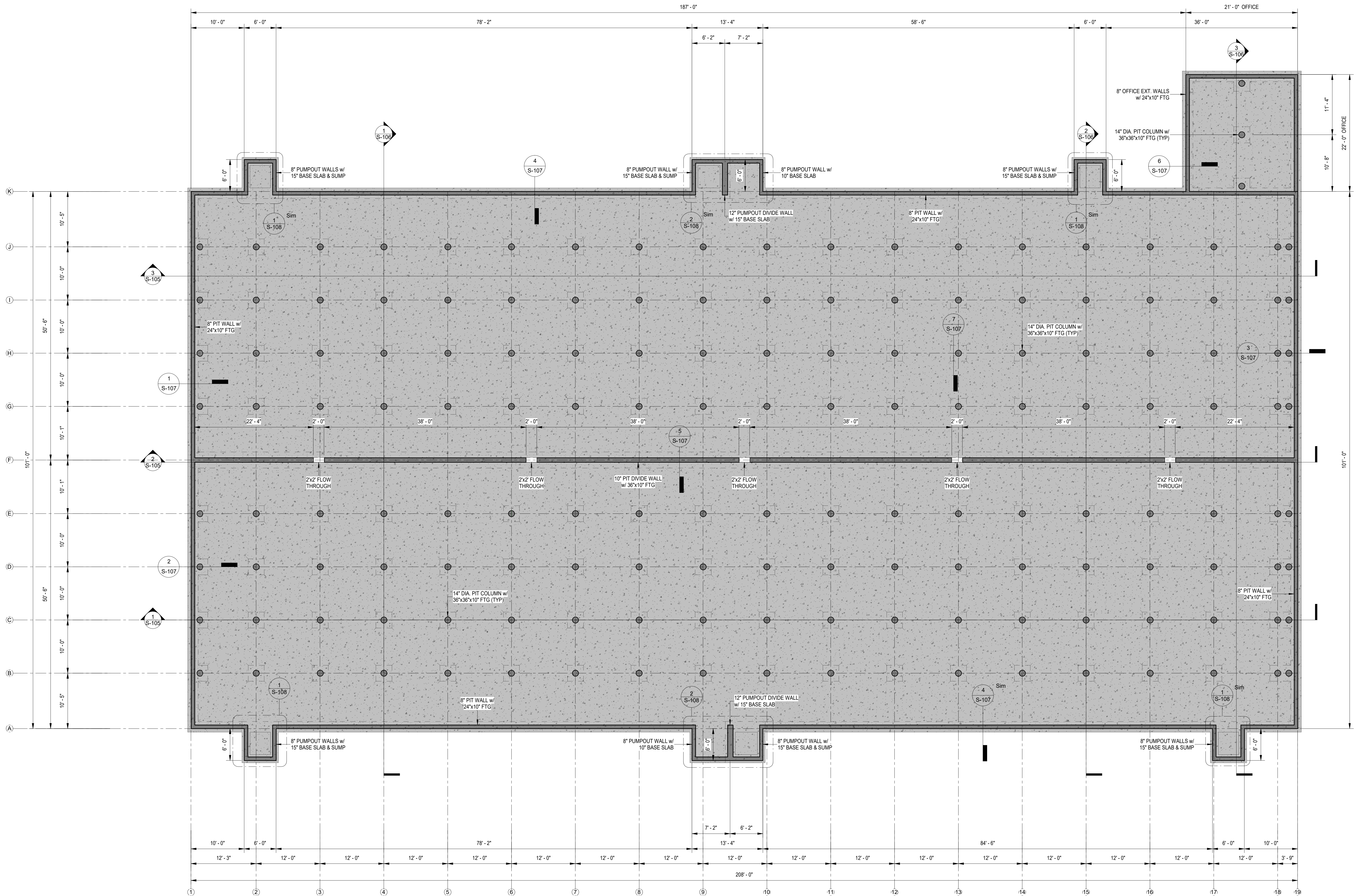
DWN BY	CHKD BY	APP'D BY
MPJ	MPJ	DJJ
DWG DATE		
7/23/2025		
SCALE		

PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440

SHEET TITLE		
Isometric View		
PROJECT NO.	SHEET NO.	REV NO.
0169-01B	S-001	

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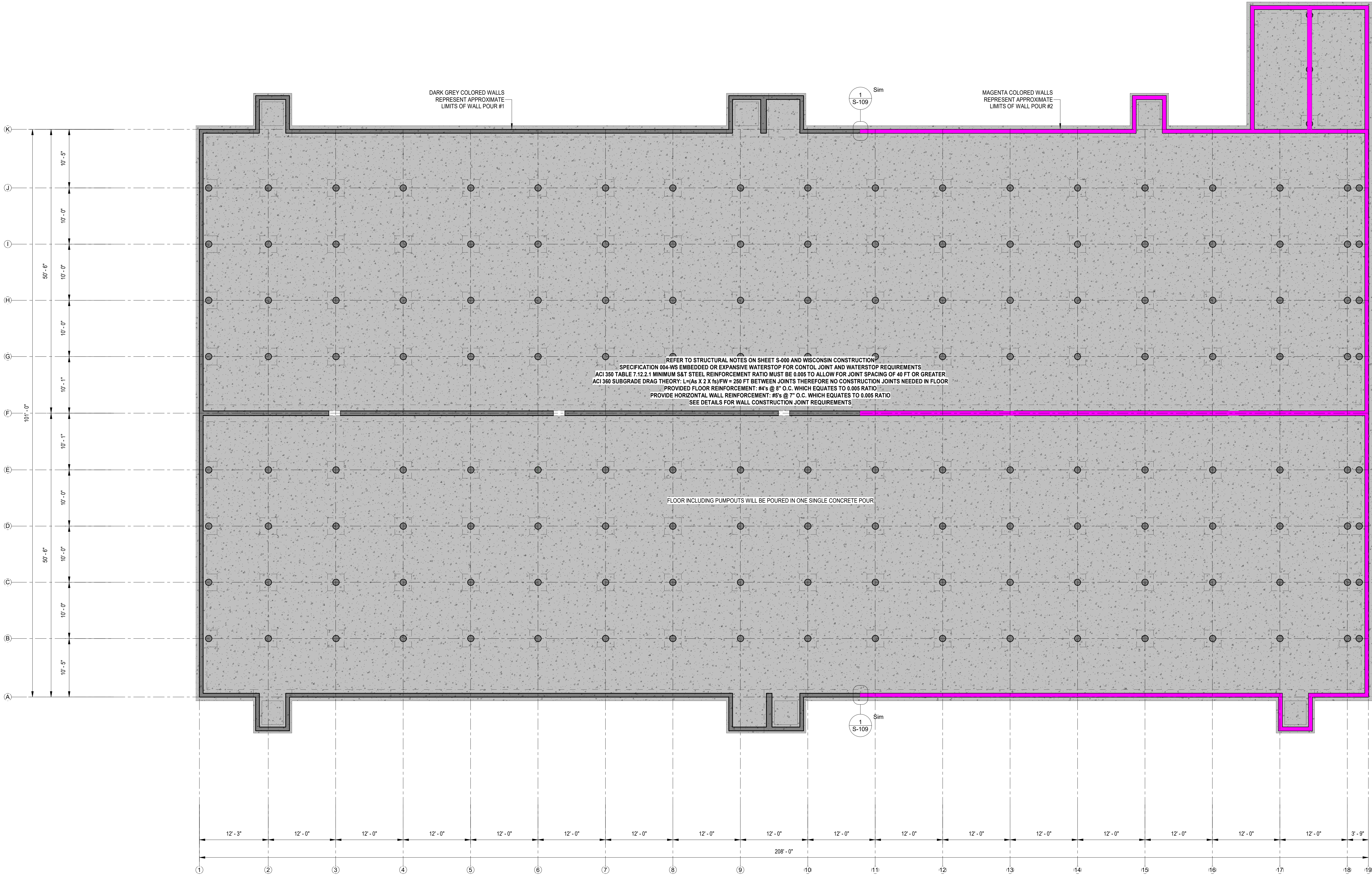
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						DWG DATE 7/23/2025	CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440					
						SCALE: 1/8" = 1'-0"		PROJECT NO. 0169-01B				
								SHEET NO. S-100				
							REV NO.					
REV	REVISION DESCRIPTION	DWN	APP	REV DATE								


CONSTRUCTION JOINT NOTE:
1. THE PROPOSED LOCATION OF THE CONSTRUCTION JOINT MAY BE ADJUSTED AS REQUIRED IN THE FIELD BASED ON CONCRETE
AVAILABILITY AND THE NUMBER OF FORMS THE CONTRACTOR HAS ON SITE. FOLLOW DETAILS ON SHEET S-109.
2. NO CONSTRUCTION JOINT MAY BE WITHIN 10 FEET OF ANY INTERSECTING WALLS (PUMPOUTS, OFFICE, OR DIVIDE WALLS).



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					 PO Box 384 Winnetka, MN 55101 PH: (507) 832-8450	DWN BY MPJ	CHKD BY MPJ	APPD BY DJJ	PROJECT Gruber Livestock South GDU	SHEET TITLE Control/Construction Joint Plan		
						DWG DATE 7/23/2025	CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440			PROJECT NO. 0169-01B	SHEET NO. S-101	REV NO.
						SCALE: 1/8" = 1'-0"						
REV	REVISION DESCRIPTION	DWN	APP	REV DATE								

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PROJECT	Gruber Livestock South GDU
CLIENT	Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440


SHEET TITLE		
Beam Plan		
PROJECT NO. 0169-01B	SHEET NO. S-102	REV NO.

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Slat Schedule		
Count	Dimensions	Manufacturer
10	10' x 2'-8 x 4" Slat	
510	10' x 4' x 4" Slat	
8	10' x 4' x 4" Solid Slat	
2	10' x 5'4 x 4" Solid Slat	


SLAT SIZE LEGEND




10'-0" x 2'-8" x 4" PRECAST SLAT



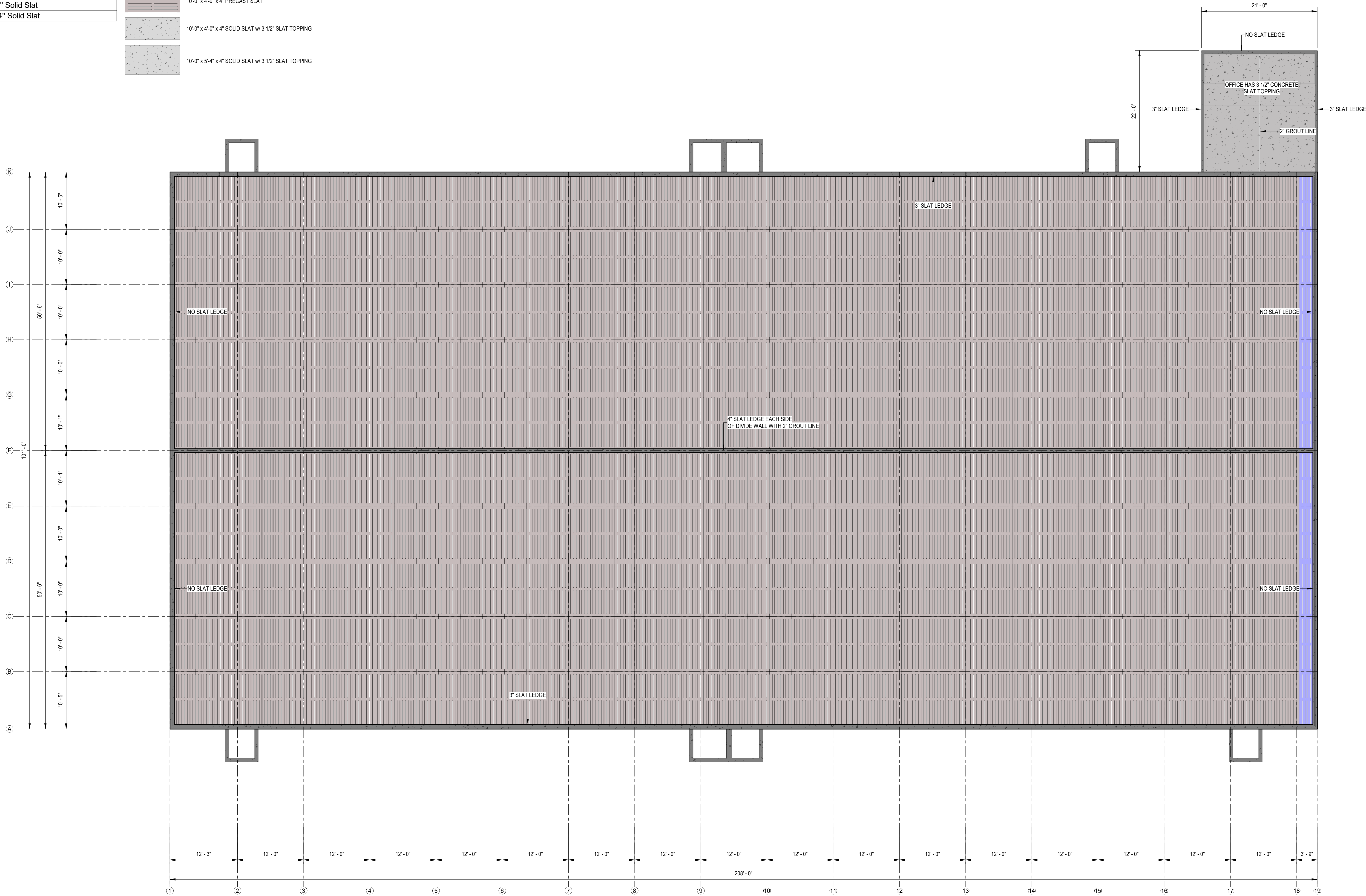
10'-0" x 4'-0" x 4" PRECAST SLAT




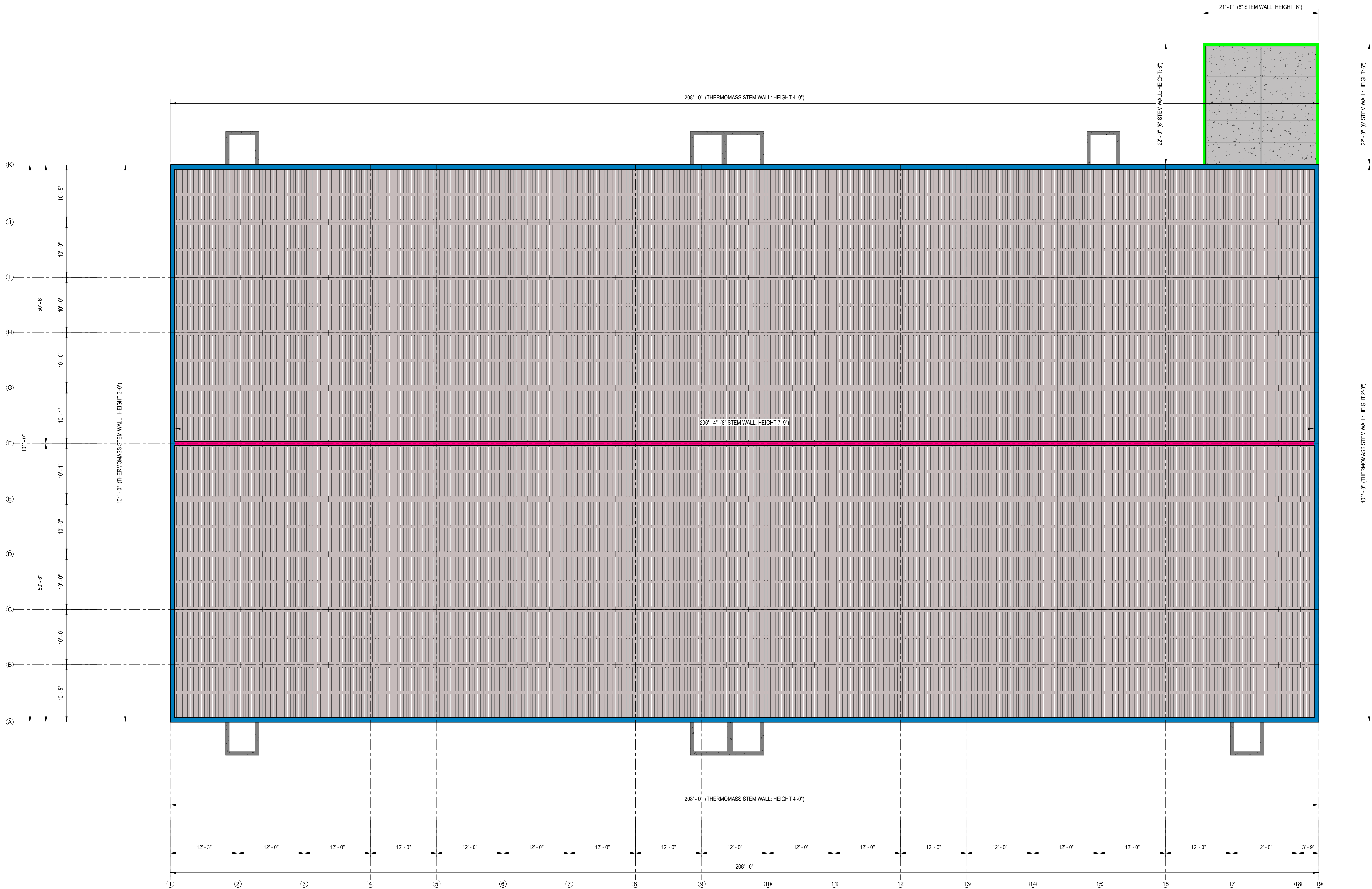
10'-0" x 4'-0" x 4" SOLID SLAT w/ 3 1/2" SLAT TOPPING



10'-0" x 5'-4" x 4" SOLID SLAT w/ 3 1/2" SLAT TOPPING



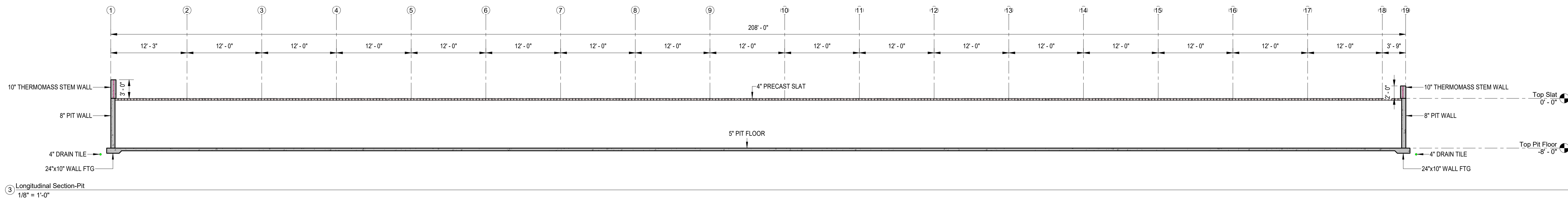
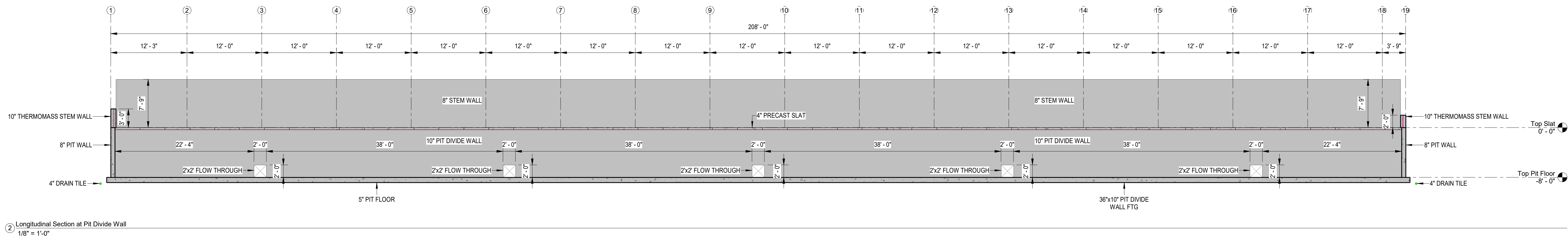
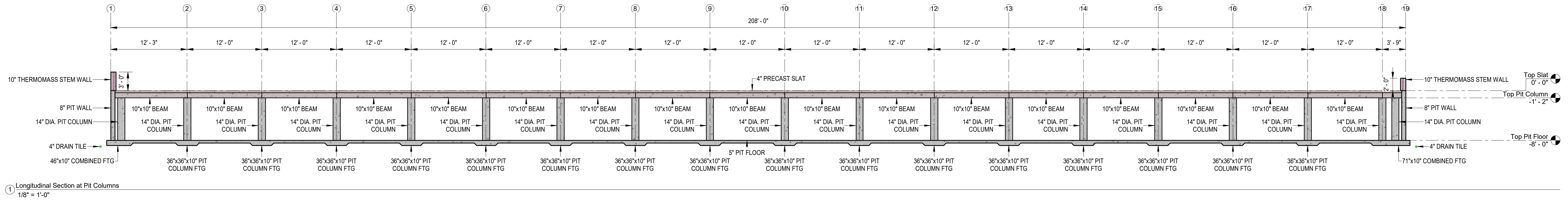
REV	REVISION DESCRIPTION	DWN	APP	REV DATE	 <div>PO Box 384 Winnetka, MN 55101</div> <div>PH: (507) 832-8450</div>	DWN BY MPJ	CHKD BY MPJ	APPD BY DJJ	PROJECT Gruber Livestock South GDU	SHEET TITLE Slat Plan		
						DWG DATE 7/23/2025	CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440			PROJECT NO. 0169-01B	SHEET NO. S-103	REV NO.
						SCALE 1/8" = 1'-0"						



					<div><div><div>JEG</div><div>JOHNSON ENGINEERING GROUP</div></div><div><div>PO Box 384 Winnetka, MN 56101</div><div>PH: (507) 832-8450</div></div></div>	DWN BY MPJ	CHKD BY MPJ	APPD BY DJJ	PROJECT Gruber Livestock South GDU	SHEET TITLE		
						DWG DATE 7/23/2025	CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440	Stem Wall Plan				
						SCALE: 1/8" = 1'-0"		PROJECT NO. 0169-01B	SHEET NO. S-104	REV NO.		
REV	REVISION DESCRIPTION	DWN	APP	REV DATE								

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ELEVATION NOTE:
TOP OF SLAT ELEVATION: 0'-0" = 1045.00 ON CIVIL DRAWINGS
TOP OF COLUMN ELEVATION: -1'-2" = 1043.83 ON CIVIL DRAWINGS
TOP OF FLOOR ELEVATION: -8'-0" = 1037.00 ON CIVIL DRAWINGS
BOTTOM OF PUMPOUT SUMP: -9'-3" = 1035.75 ON CIVIL DRAWINGS



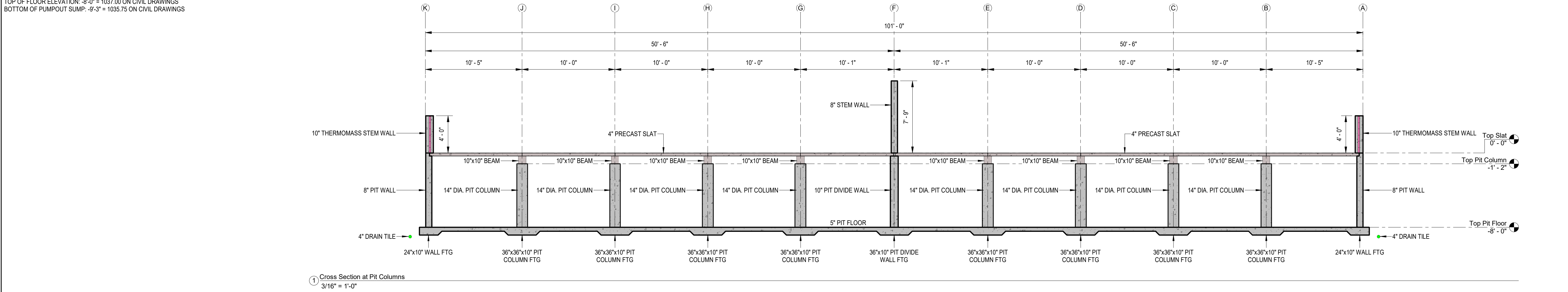
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REV	REVISION DESCRIPTION	DWN	APP	REV DATE	 JOHNSON ENGINEERING GROUP PO Box 384 Winnetka, MN 55101 PH: (507) 832-8450	DWN BY MPJ	CHKD BY MPJ	APPD BY DJJ	PROJECT Gruber Livestock South GDU	SHEET TITLE Longitudinal Sections
						DWG DATE 7/23/2025			CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440	PROJECT NO. 0169-01B
						SCALE 1/8" = 1'-0"				SHEET NO. S-105
										REV NO.

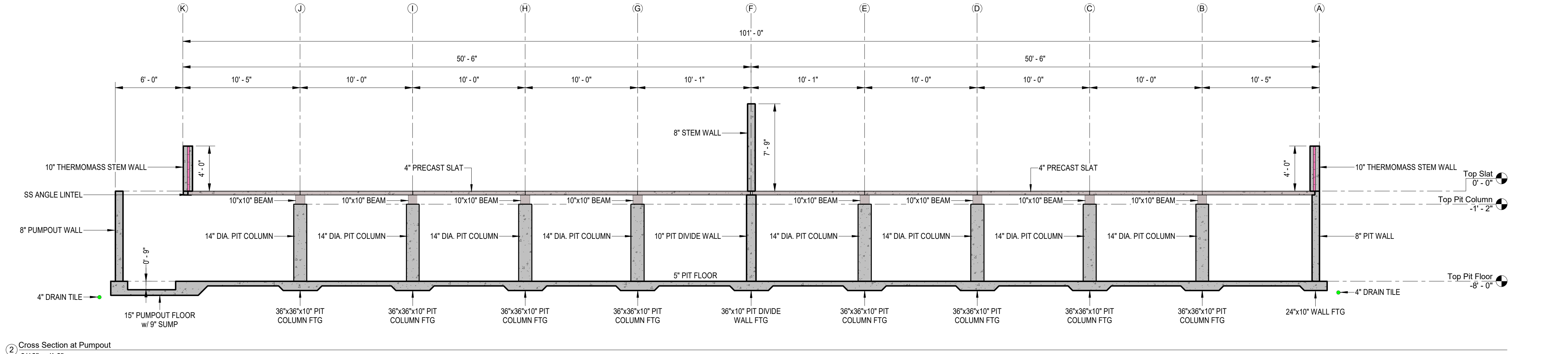
ELEVATION NOTE:
TOP OF SLAT ELEVATION: 0'-0" = 1045.00 ON CIVIL DRAWINGS
TOP OF COLUMN ELEVATION: -1'-2" = 1043.83 ON CIVIL DRAWINGS
TOP OF FLOOR ELEVATION: -8'-0" = 1037.00 ON CIVIL DRAWINGS
BOTTOM OF PUMPOUT SUMP: -9'-3" = 1035.75 ON CIVIL DRAWINGS

7/22/2025 3:16:06 PM

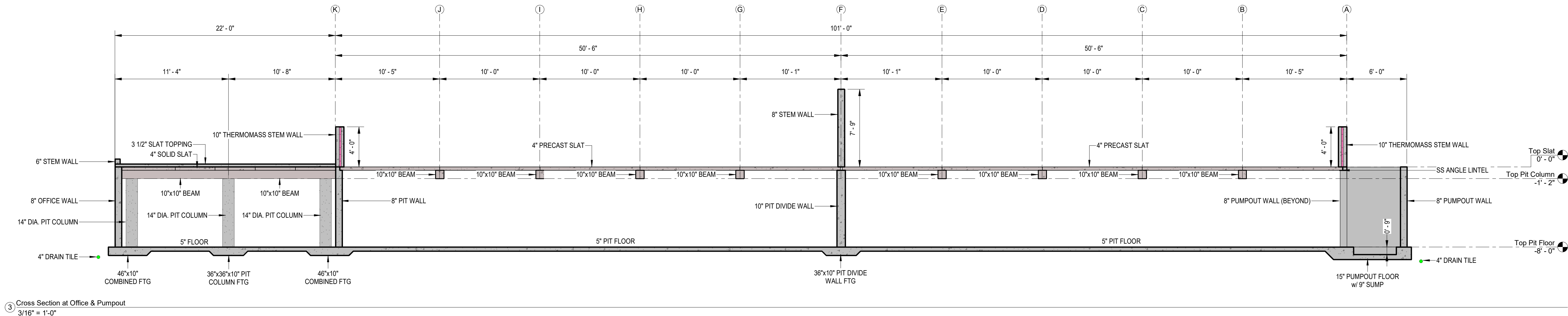
C:\Users\mpj@Johnson Engineering Group\Dropbox\Johnson Engineering Group\Drafting\0169 Reads View\01 Crawford Co GD\A\South Site CAD\STRS-SERIES RECKS VIEW SOUTH SITE.dwg




① Cross Section at Pit Columns
3/16" = 1'-0"

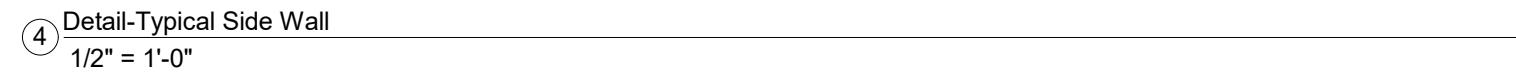
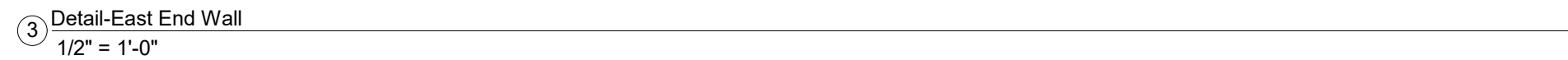
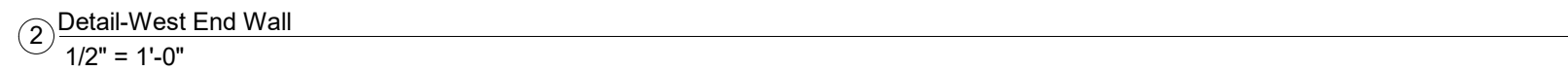
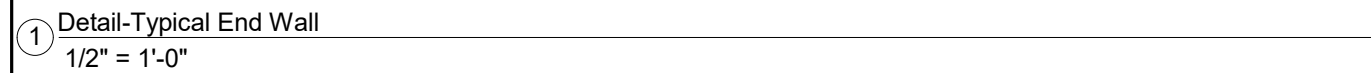


② Cross Section at Pumpout
3/16" = 1'-0"



③ Cross Section at Office & Pumpout
3/16" = 1'-0"

					 PO Box 384 Winnetka, MN 56101 PH: (507) 832-8450	DWN BY MPJ	CHKD BY MPJ	APPD BY DJJ	PROJECT Gruber Livestock South GDU	SHEET TITLE		
						DWG DATE 7/23/2025	CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440		Cross Sections			
						SCALE: 3/16" = 1'-0"			PROJECT NO. 0169-01B	SHEET NO. S-106	REV NO.	
REV	REVISION DESCRIPTION	DWN	APP	REV DATE								



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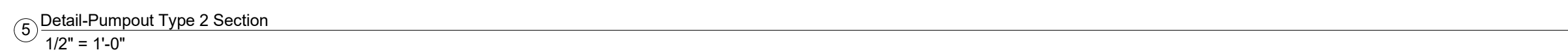
PO Box 384
Winona, MN 56101

PH: (507) 832-8455

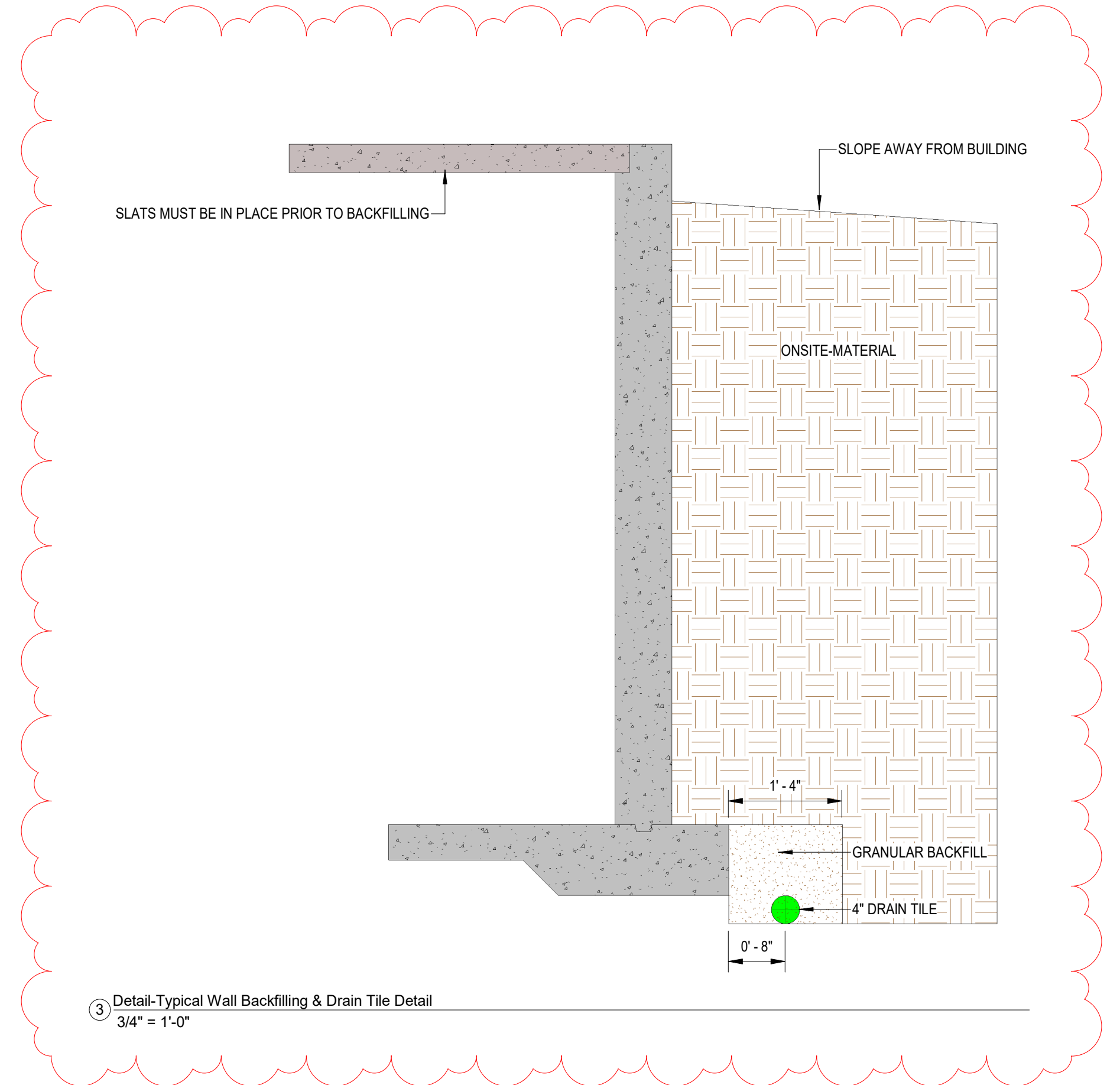
DWN BY MPJ	CHKD BY MPJ	APPD BY DJJ	PROJECT Gruber Livestock South GDU	SHEET TITLE		
DWG DATE 7/23/2025			CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bolingbrook, IL 60440	Structural Details		
SCALE: 1/2" = 1'-0"				PROJECT NO. 0169-01B	SHEET NO. S-107	REV NO.




④ Detail-Pumpout Base Slab
1/2" = 1'-0"



SHEET TITLE		
Structural Details		
PROJECT NO.	SHEET NO.	REV NO.
0169-01B	S-108	1



					 JOHNSON ENGINEERING GROUP PO Box 384 Windom, MN 56101 PH: (507) 832-8450	DWN BY MPJ	CHKD BY MPJ	APP'D BY DJJ	PROJECT Gruber Livestock South GDU	SHEET TITLE		
1	DATCP Requested Information	MPJ	DJJ	9/10/2025		DWG DATE 7/23/2025	CLIENT Gruber Livestock South, LLC 236 Lincolnshire Lane Bellingbrook, IL 60440			Structural Details		
REV	REVISION DESCRIPTION	DWN	APP	REV DATE		SCALE: 3/4" = 1'-0"				PROJECT NO. 0169-01B	SHEET NO. S-109	REV NO. 1