

# BARNWOOD EVENTS

## PLAN OF PROPOSED IMPROVEMENT

TOWN OF BLOOMING GROVE  
DANE COUNTY, WI

10 SEPTEMBER 2019

TO OBTAIN LOCATIONS OF PARTICIPANT  
UNDERGROUND FACILITIES BEFORE YOU  
DIG IN WISCONSIN



CALL DIGGERS HOTLINE  
811 TOLL FREE

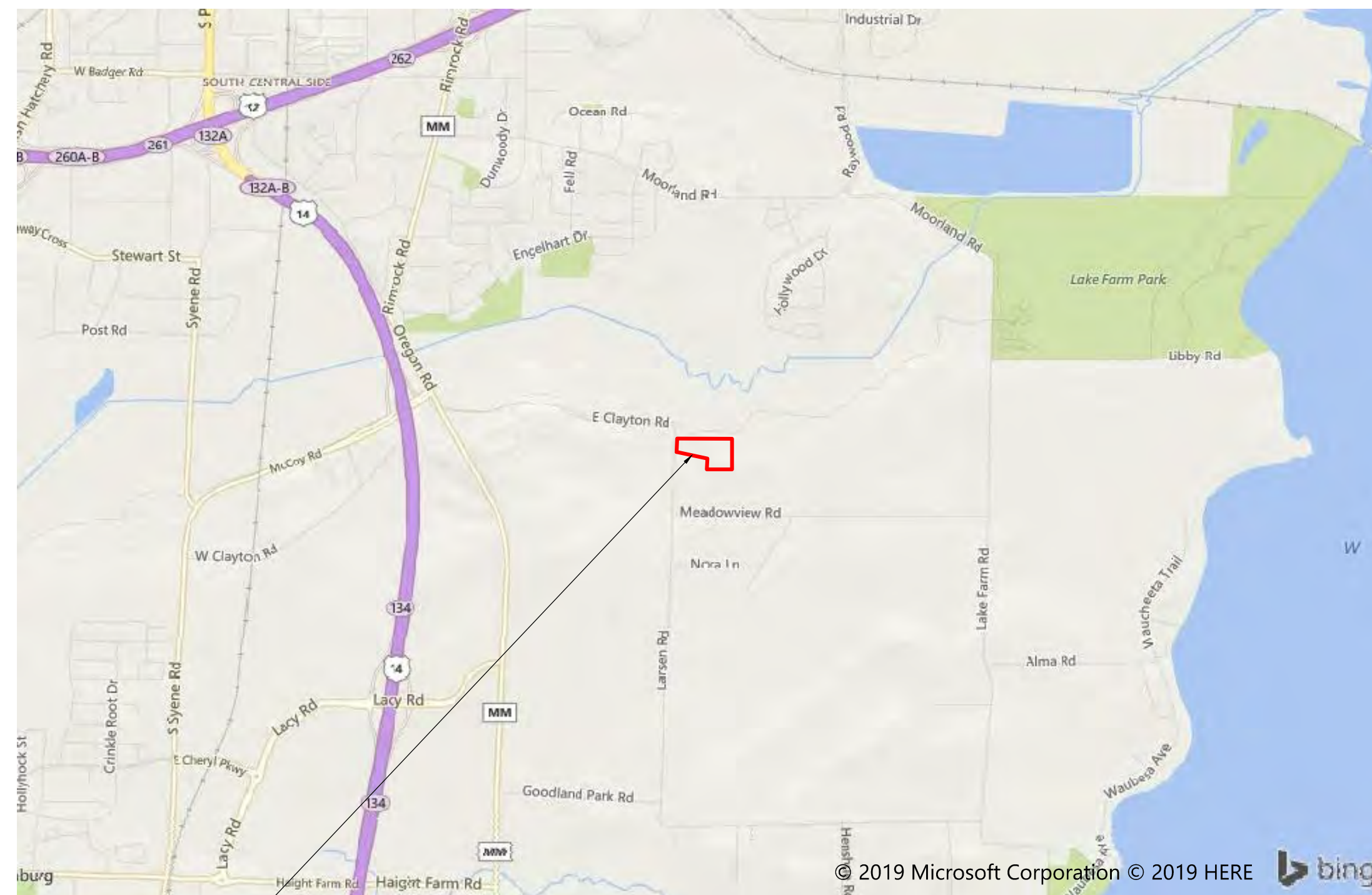
WISCONSIN STATE STATUTE 182.0175(1974) REQUIRES MINIMUM THREE (3)  
WORK DAYS NOTICE BEFORE YOU EXCAVATE

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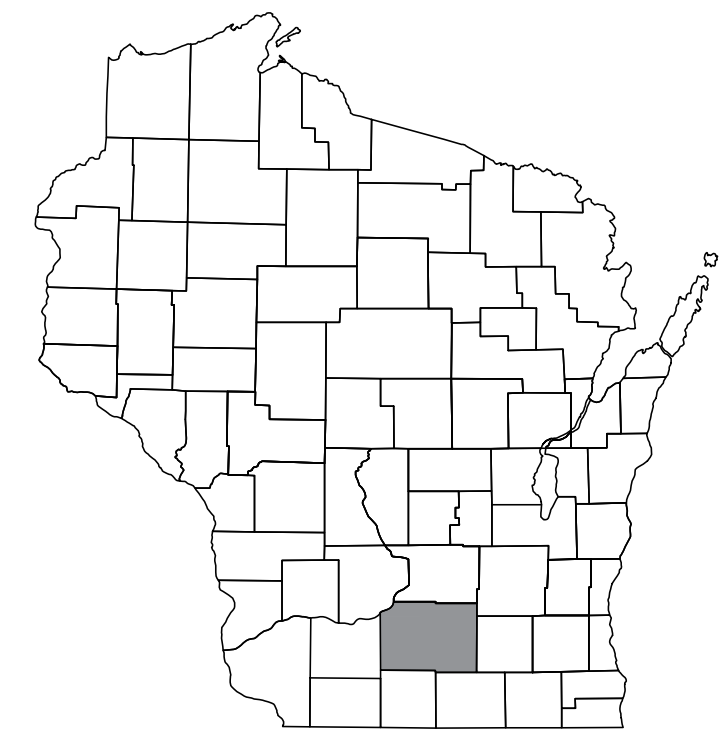
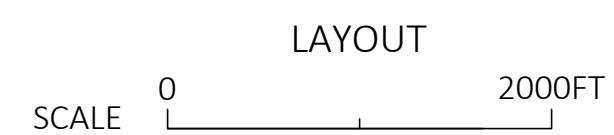
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DESCRIPTION		

### ORDER OF SHEETS

Sheet No.	DESCRIPTION
G001	TITLE SHEET
C110	EXISTING CONDITIONS
C115	DEMOLITION PLAN
C120	SITE PLAN
C130	GRADING AND EROSION CONTROL PLAN
C131	CONSTRUCTION STAGING PLAN
C132	EXCESS CUT PLACEMENT PLAN
C140	UTILITY PLAN
C330	DRIVEWAY PLAN AND PROFILE
C500	EROSION CONTROL DETAILS
C501	CIVIL DETAILS
C502	STORMWATER DETAILS
L101	LANDSCAPE RESTORATION PLAN
L102	LANDSCAPE PLANTING PLAN A
L501	LANDSCAPE NOTES AND DETAILS



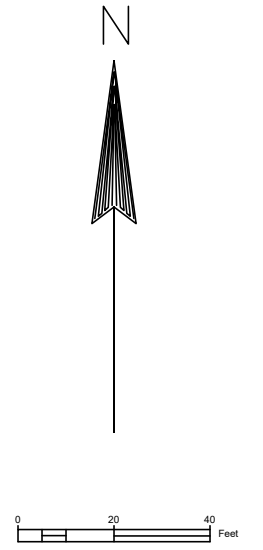
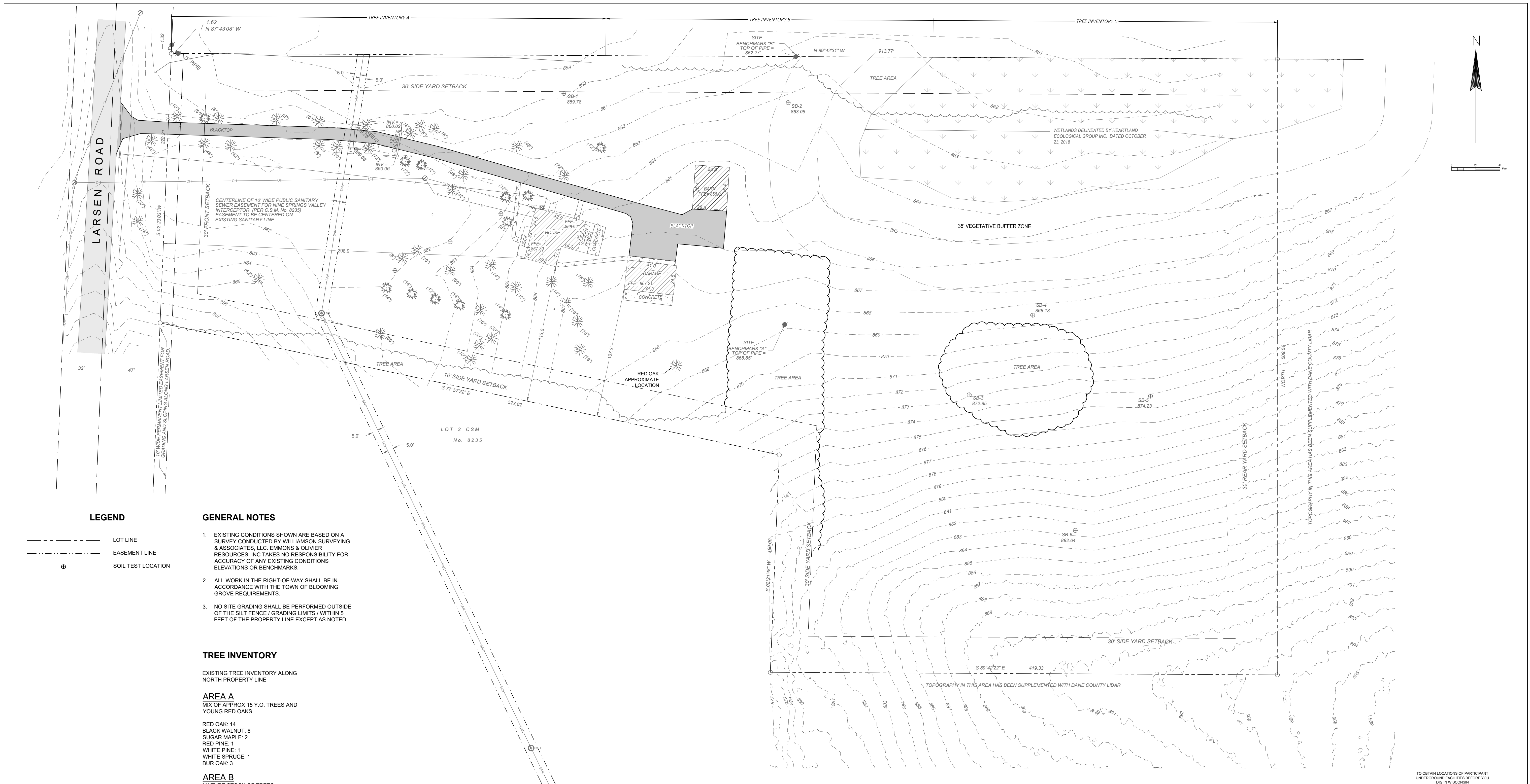
PROJECT LOCATION



### PLANS PREPARED BY:



EMMONS & OLIVIER RESOURCES, INC.  
119 SOUTH MAIN STREET, COTTAGE GROVE, WI 53527  
(608)839-4422  
Debbie Haffield, Project Manager



**LEGEND**

- LOT LINE
- - - EASEMENT LINE
- ⊕ SOIL TEST LOCATION

**GENERAL NOTES**

1. EXISTING CONDITIONS SHOWN ARE BASED ON A SURVEY CONDUCTED BY WILLIAMSON SURVEYING & ASSOCIATES, LLC, EMMONS & OLIVIER RESOURCES, INC TAKES NO RESPONSIBILITY FOR ACCURACY OF ANY EXISTING CONDITIONS ELEVATIONS OR BENCHMARKS.
2. ALL WORK IN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE TOWN OF BLOOMING GROVE REQUIREMENTS.
3. NO SITE GRADING SHALL BE PERFORMED OUTSIDE OF THE SILT FENCE / GRADING LIMITS / WITHIN 5 FEET OF THE PROPERTY LINE EXCEPT AS NOTED.

**TREE INVENTORY**

EXISTING TREE INVENTORY ALONG NORTH PROPERTY LINE

**AREA A**

MIX OF APPROX 15 Y.O. TREES AND YOUNG RED OAKS

- RED OAK: 14
- BLACK WALNUT: 8
- SUGAR MAPLE: 2
- RED PINE: 1
- WHITE PINE: 1
- WHITE SPRUCE: 1
- BUR OAK: 3

**AREA B**

MATURE STOCK OF TREES

- BURR OAK: 6
- WHITE CEDAR: 1
- BLACK CHERRY: 8

**AREA C**

MATURE STOCK OF HARDWOODS AND CONIFERS. 275 NEW PLANTINGS.



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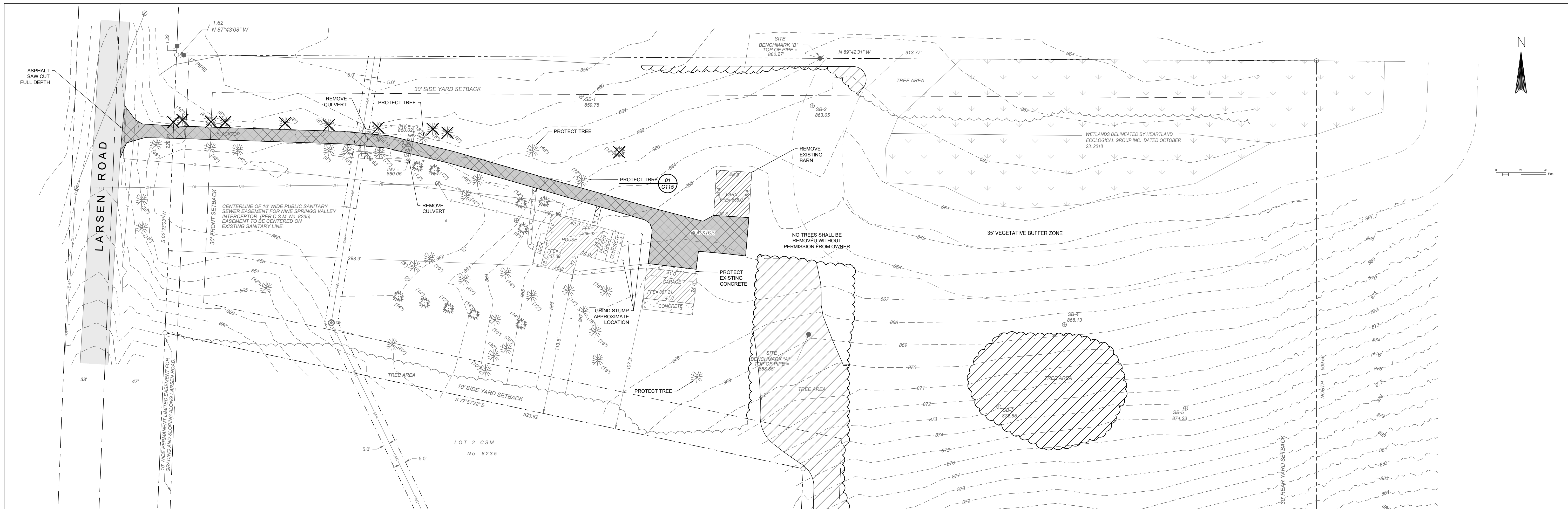
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**LEGEND**

- LOT LINE
- - - EASEMENT LINE
- SETBACK LINE
- X REMOVE TREE
- /// CLEARING AREA
- XXXXX REMOVE PAVEMENT

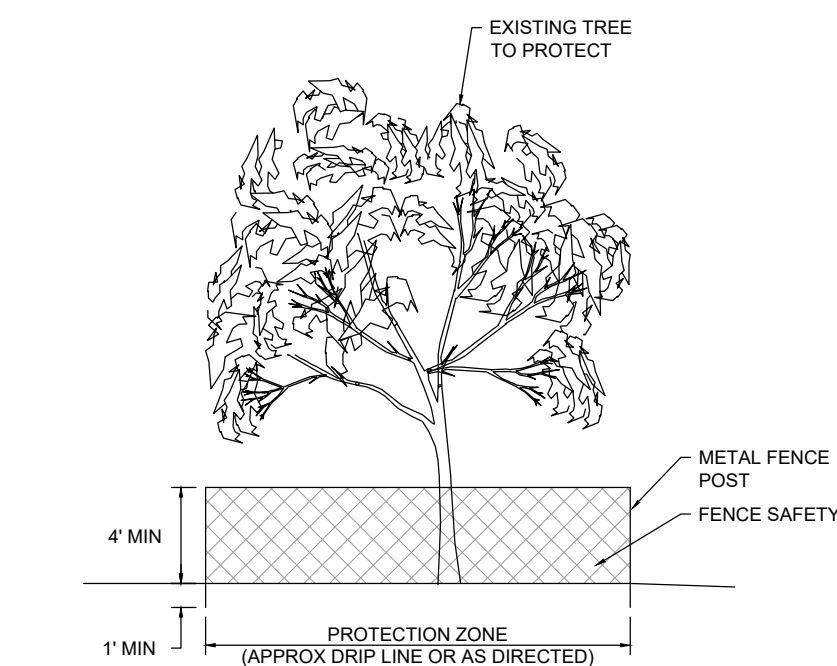
**GENERAL NOTES**

1. REFER TO EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
2. ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH TOWN OF BLOOMING GROVE REQUIREMENTS.
3. ALL DIMENSIONS TO BACK OF CURB UNLESS OTHERWISE NOTED.
4. BUILDING FOOTPRINT ONLY. REFER TO FOUNDATION PLAN FOR DIMENSIONS.
5. EOR SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
6. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

**DEMOLITION NOTES**

1. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL PROVISIONS SHALL BE INSTALLED.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSING IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
3. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY.
4. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATION.
5. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE, AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.

6. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL LIMIT SAWCUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS. IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC., THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO ANY PUBLIC SIDEWALKS, CURBS, DRIVEWAYS, ETC.
9. CLEARED TREES SHALL BE STOCKPILED AS DIRECTED BY OWNER.
10. BOULDERS SHALL BE STOCKPILED AS DIRECTED BY OWNER.
11. DEMOLITION SCHEDULE MUST BE PHASED AND COORDINATED WITH GENERAL CONTRACTOR AND LANDSCAPER.
12. NO TREES SHALL BE REMOVED WITHOUT PERMISSION FROM THE OWNER.



01 TREE PROTECTION  
C115



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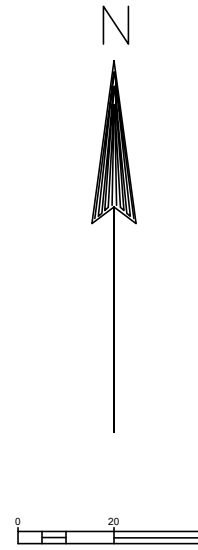
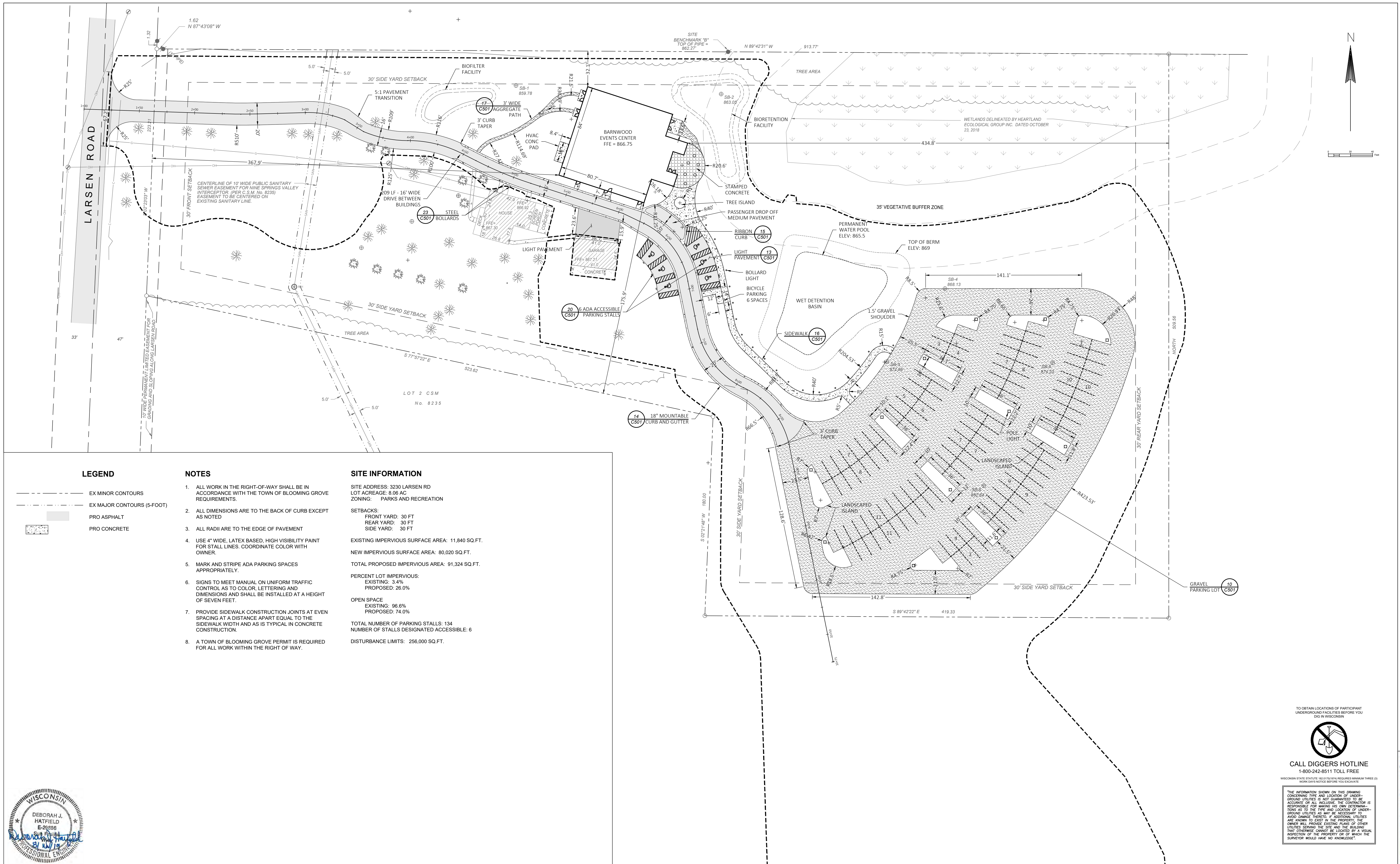
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**LEGEND**

- EX MINOR CONTOURS
- - - EX MAJOR CONTOURS (5-FOOT)
- PRO ASPHALT
- PRO CONCRETE

**NOTES**

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2. ALL DIMENSIONS ARE TO THE BACK OF CURB EXCEPT AS NOTED
3. ALL RADII ARE TO THE EDGE OF PAVEMENT
4. USE 4" WIDE, LATEX BASED, HIGH VISIBILITY PAINT FOR STALL LINES. COORDINATE COLOR WITH OWNER.
5. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.
6. SIGNS TO MEET MANUAL ON UNIFORM TRAFFIC CONTROL AS TO COLOR, LETTERING AND DIMENSIONS AND SHALL BE INSTALLED AT A HEIGHT OF SEVEN FEET.
7. PROVIDE SIDEWALK CONSTRUCTION JOINTS AT EVEN SPACING AT A DISTANCE APART EQUAL TO THE SIDEWALK WIDTH AND AS IS TYPICAL IN CONCRETE CONSTRUCTION.
8. A TOWN OF BLOOMING GROVE PERMIT IS REQUIRED FOR ALL WORK WITHIN THE RIGHT OF WAY.

**SITE INFORMATION**

SITE ADDRESS: 3230 LARSEN RD  
 LOT ACREAGE: 8.08 AC  
 ZONING: PARKS AND RECREATION

SETBACKS:  
 FRONT YARD: 30 FT  
 REAR YARD: 30 FT  
 SIDE YARD: 30 FT

EXISTING IMPERVIOUS SURFACE AREA: 11,840 SQ.FT.  
 NEW IMPERVIOUS SURFACE AREA: 80,020 SQ.FT.  
 TOTAL PROPOSED IMPERVIOUS AREA: 91,324 SQ.FT.

PERCENT LOT IMPERVIOUS:  
 EXISTING: 3.4%  
 PROPOSED: 26.0%

OPEN SPACE  
 EXISTING: 96.6%  
 PROPOSED: 74.0%

TOTAL NUMBER OF PARKING STALLS: 134  
 NUMBER OF STALLS DESIGNATED ACCESSIBLE: 6

DISTURBANCE LIMITS: 256,000 SQ.FT.

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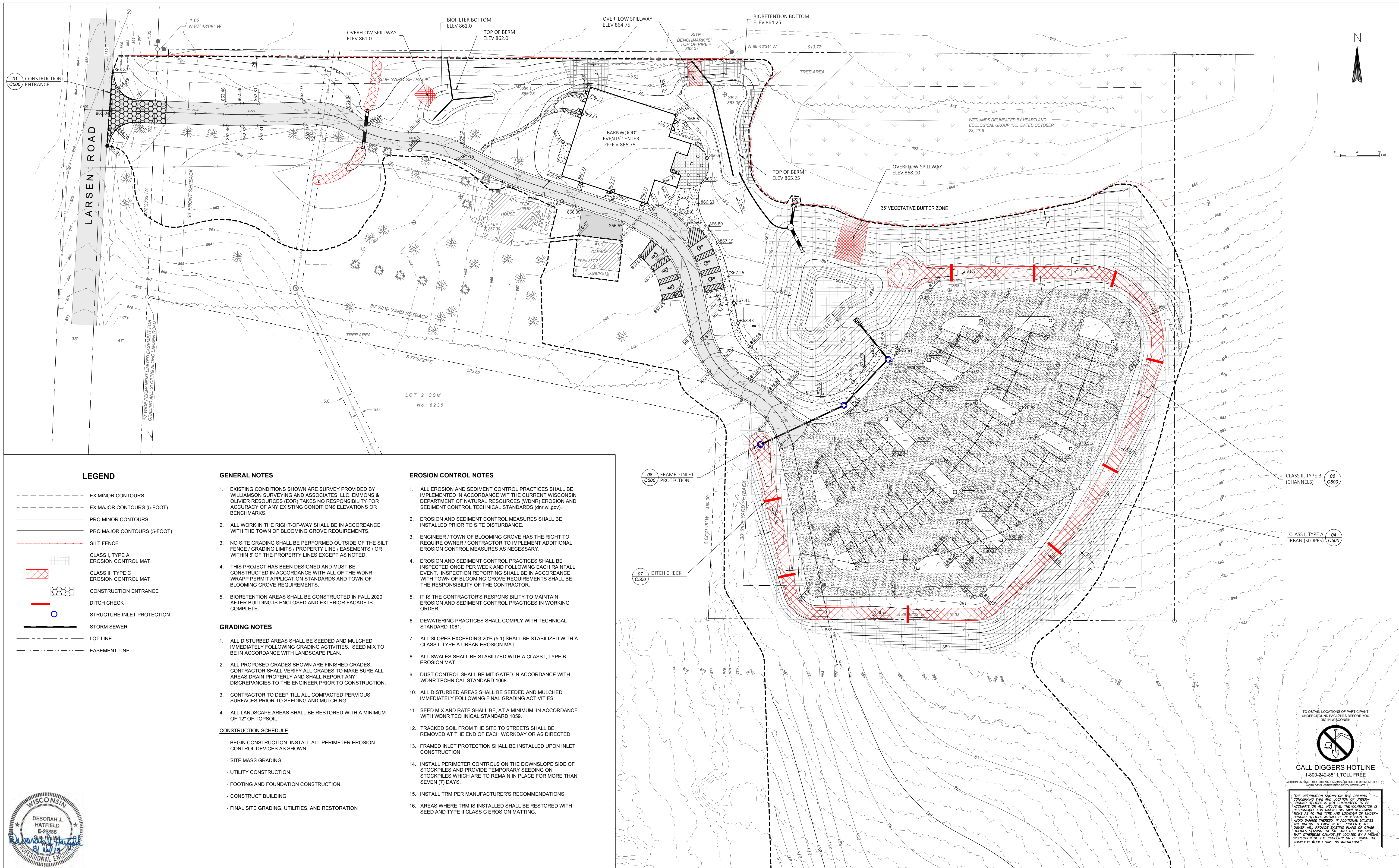
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- SILT FENCE
- CLASS I, TYPE A EROSION CONTROL MAT
- CLASS II, TYPE C EROSION CONTROL MAT
- CONSTRUCTION ENTRANCE
- DITCH CHECK
- STRUCTURE INLET PROTECTION
- STORM SEWER
- LOT LINE
- EASEMENT LINE

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4. THIS PROJECT HAS BEEN DESIGNED AND MUST BE CONSTRUCTED IN ACCORDANCE WITH ALL OF THE WDNR WRAPP PERMIT APPLICATION STANDARDS AND TOWN OF BLOOMING GROVE REQUIREMENTS.
5. BIORETENTION AREAS SHALL BE CONSTRUCTED IN FALL 2020 AFTER BUILDING IS ENCLOSED AND EXTERIOR FACADE IS COMPLETE.

**GRADING NOTES**

1. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
2. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES TO MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO DEEP TILL ALL COMPACTED PVIOUS SURFACES PRIOR TO SEEDING AND MULCHING.
4. ALL LANDSCAPE AREAS SHALL BE RESTORED WITH A MINIMUM OF 12" OF TOPSOIL.

**CONSTRUCTION SCHEDULE**

- BEGIN CONSTRUCTION. INSTALL ALL PERIMETER EROSION CONTROL DEVICES AS SHOWN.
- SITE MASS GRADING.
- UTILITY CONSTRUCTION.
- FOOTING AND FOUNDATION CONSTRUCTION.
- CONSTRUCT BUILDING
- FINAL SITE GRADING, UTILITIES, AND RESTORATION

**EROSION CONTROL NOTES**

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE CURRENT WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS (dnr.wi.gov).
2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
3. ENGINEER / TOWN OF BLOOMING GROVE HAS THE RIGHT TO REQUIRE OWNER / CONTRACTOR TO IMPLEMENT ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY.
4. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSPECTED ONCE PER WEEK AND FOLLOWING EACH RAINFALL EVENT. INSPECTION REPORTING SHALL BE IN ACCORDANCE WITH TOWN OF BLOOMING GROVE REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION AND SEDIMENT CONTROL PRACTICES IN WORKING ORDER.
6. DEWATERING PRACTICES SHALL COMPLY WITH TECHNICAL STANDARD 1061.
7. ALL SLOPES EXCEEDING 20% (5:1) SHALL BE STABILIZED WITH A CLASS I, TYPE A URBAN EROSION MAT.
8. ALL SWALES SHALL BE STABILIZED WITH A CLASS I, TYPE B EROSION MAT.
9. DUST CONTROL SHALL BE MITIGATED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1068.
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11. SEED MIX AND RATE SHALL BE, AT A MINIMUM, IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1059.
12. TRACKED SOIL FROM THE SITE TO STREETS SHALL BE REMOVED AT THE END OF EACH WORKDAY OR AS DIRECTED.
13. FRAMED INLET PROTECTION SHALL BE INSTALLED UPON INLET CONSTRUCTION.
14. INSTALL PERIMETER CONTROLS ON THE DOWNSLOPE SIDE OF STOCKPILES AND PROVIDE TEMPORARY SEEDING ON STOCKPILES WHICH ARE TO REMAIN IN PLACE FOR MORE THAN SEVEN (7) DAYS.
15. INSTALL TRM PER MANUFACTURER'S RECOMMENDATIONS.
16. AREAS WHERE TRM IS INSTALLED SHALL BE RESTORED WITH SEED AND TYPE II CLASS C EROSION MATTINGS.



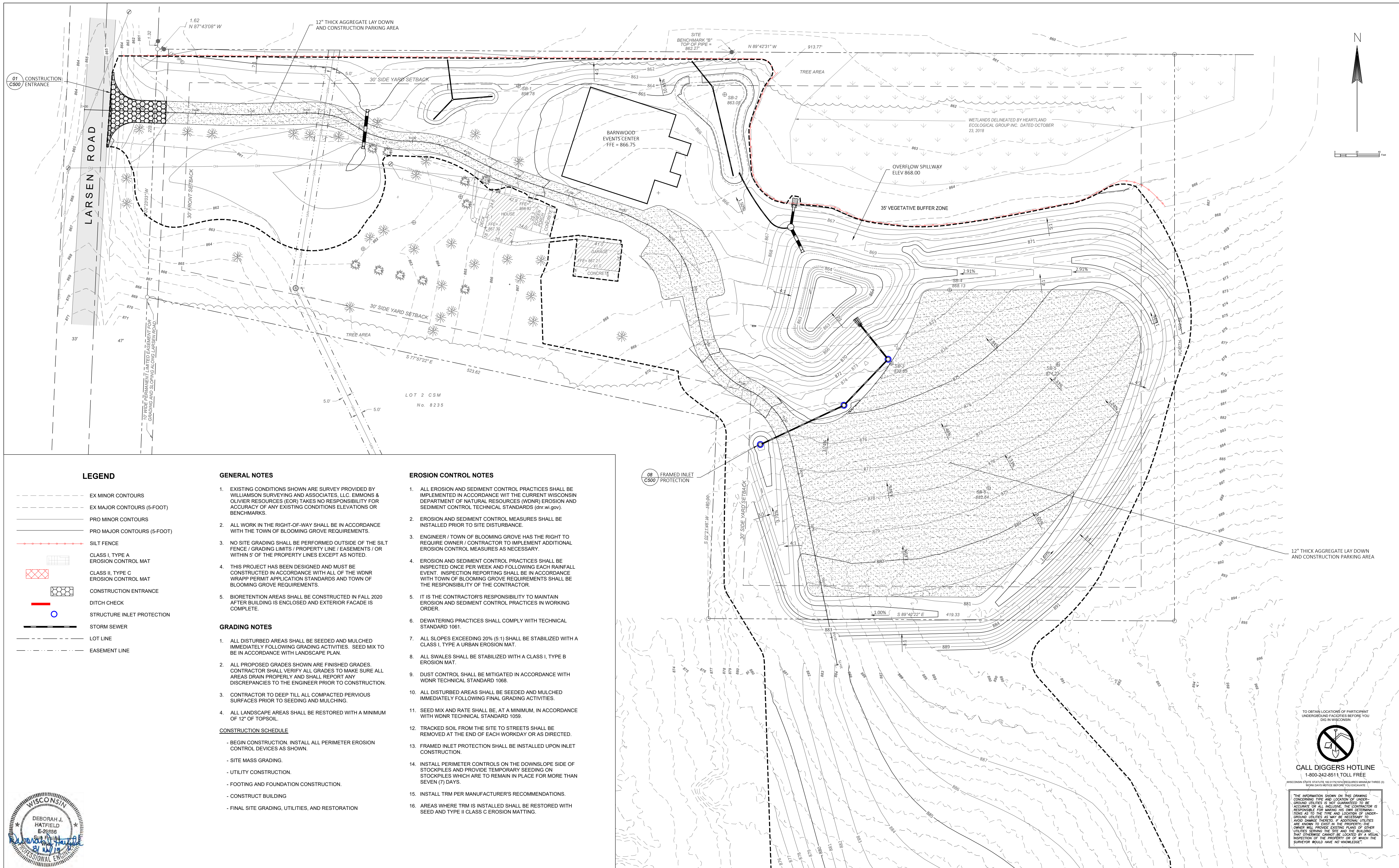
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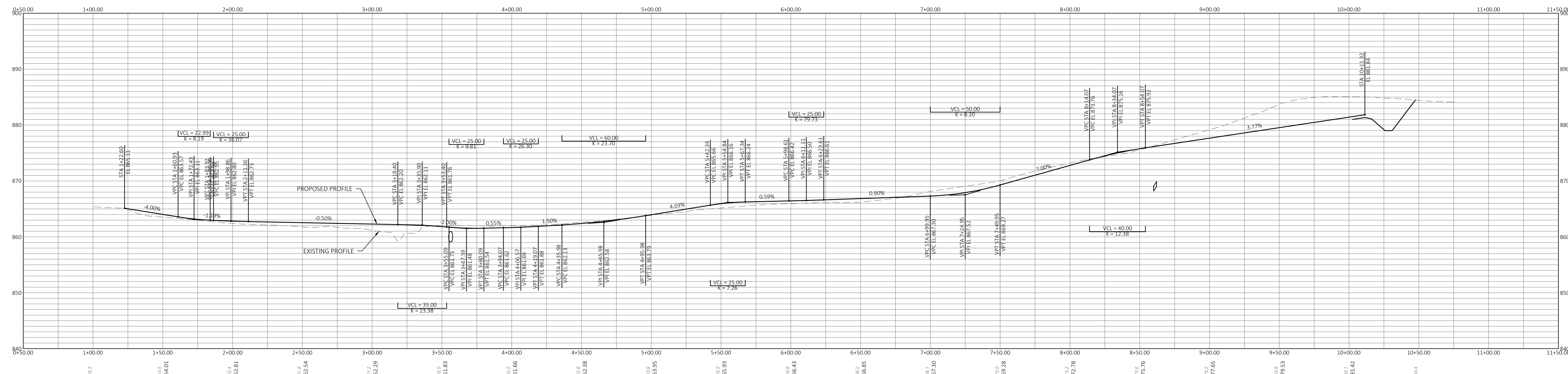
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PROJECT: BARNWOOD EVENTS

CLIENT: BARNWOOD EVENTS

COUNTY: DANE

DRIVEWAY PROFILE

SHEET C330

FILE NAME : P:\1859- BARNWOOD EVENT CENTER\DRAWINGS\SHETS\C330 - DRIVEWAY PROFILE.DWG  
LAYOUT NAME - 1 IN 40 FT

PLOT DATE : 9/11/2019 4:45 PM

PLOT BY : RYAN MOE

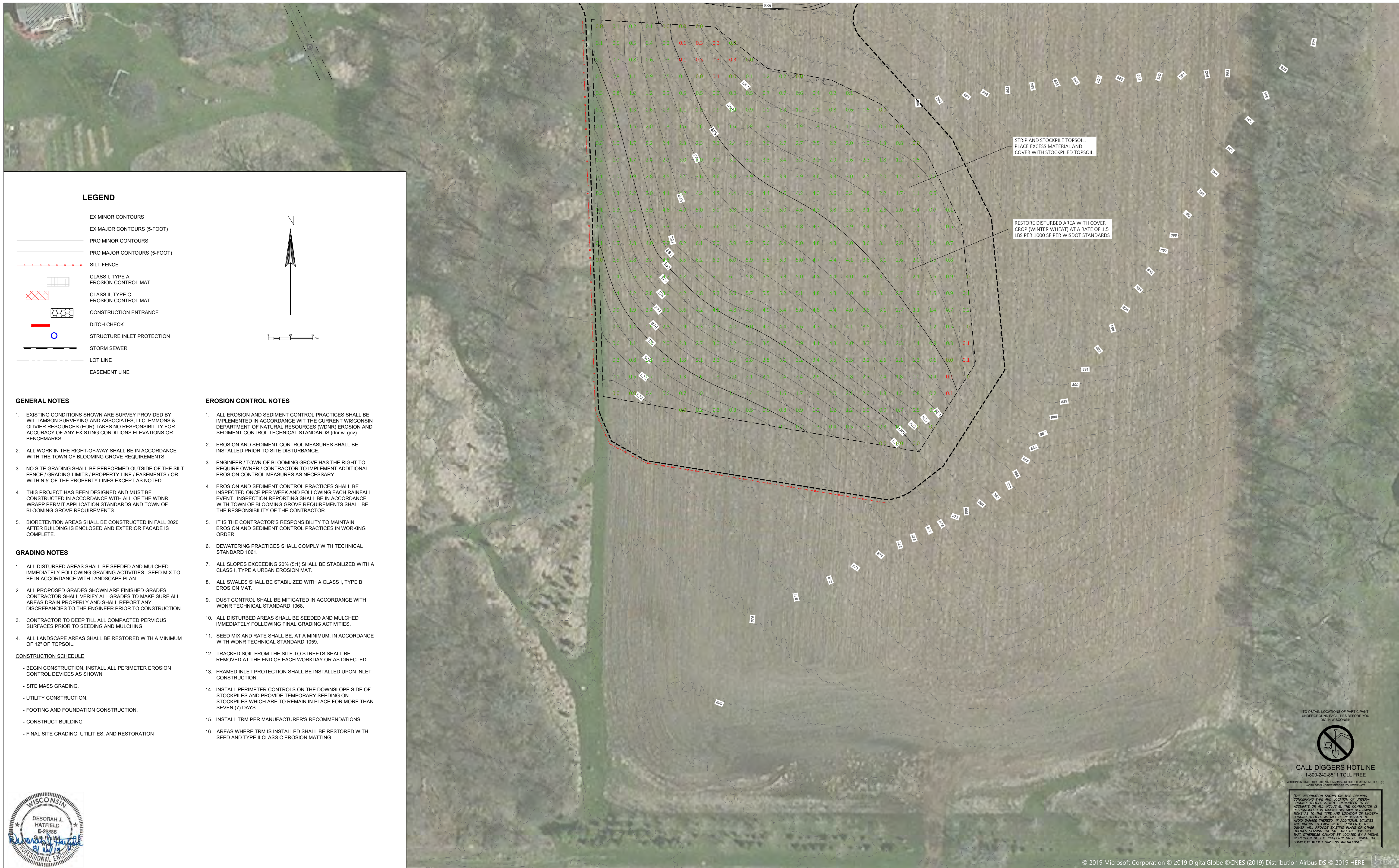
PLOT NAME : \_\_\_\_\_

PLOT SCALE : 1" = 40' (22x34) 1" = 80' (11x17)

REVISION DATE:

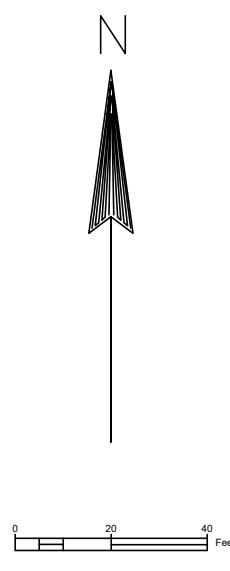
119 SOUTH MAIN STREET  
COTTAGE GROVE, WI 53527 (608) 839-4422





**LEGEND**

- EX MINOR CONTOURS
- EX MAJOR CONTOURS (5-FOOT)
- PRO MINOR CONTOURS
- PRO MAJOR CONTOURS (5-FOOT)
- SILT FENCE
- CLASS I, TYPE A EROSION CONTROL MAT
- CLASS II, TYPE C EROSION CONTROL MAT
- CONSTRUCTION ENTRANCE
- DITCH CHECK
- STRUCTURE INLET PROTECTION
- STORM SEWER
- LOT LINE
- EASEMENT LINE



**GENERAL NOTES**

1. EXISTING CONDITIONS SHOWN ARE SURVEY PROVIDED BY WILLIAMSON SURVEYING AND ASSOCIATES, LLC. EMMONS & OLIVER RESOURCES (EOR) TAKES NO RESPONSIBILITY FOR ACCURACY OF ANY EXISTING CONDITIONS ELEVATIONS OR BENCHMARKS.
2. ALL WORK IN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE TOWN OF BLOOMING GROVE REQUIREMENTS.
3. NO SITE GRADING SHALL BE PERFORMED OUTSIDE OF THE SILT FENCE / GRADING LIMITS / PROPERTY LINE / EASEMENTS / OR WITHIN 5' OF THE PROPERTY LINES EXCEPT AS NOTED.
4. THIS PROJECT HAS BEEN DESIGNED AND MUST BE CONSTRUCTED IN ACCORDANCE WITH ALL OF THE WDNR WRAPP PERMIT APPLICATION STANDARDS AND TOWN OF BLOOMING GROVE REQUIREMENTS.
5. BIORETENTION AREAS SHALL BE CONSTRUCTED IN FALL 2020 AFTER BUILDING IS ENCLOSED AND EXTERIOR FACADE IS COMPLETE.

**GRADING NOTES**

1. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
2. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES TO MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO DEEP TILL ALL COMPACTED PVIOUS SURFACES PRIOR TO SEEDING AND MULCHING.
4. ALL LANDSCAPE AREAS SHALL BE RESTORED WITH A MINIMUM OF 12" OF TOPSOIL.

**CONSTRUCTION SCHEDULE**

- BEGIN CONSTRUCTION. INSTALL ALL PERIMETER EROSION CONTROL DEVICES AS SHOWN.
- SITE MASS GRADING.
- UTILITY CONSTRUCTION.
- FOOTING AND FOUNDATION CONSTRUCTION.
- CONSTRUCT BUILDING
- FINAL SITE GRADING, UTILITIES, AND RESTORATION

**EROSION CONTROL NOTES**

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE CURRENT WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS (dnr.wis.gov).
2. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
3. ENGINEER / TOWN OF BLOOMING GROVE HAS THE RIGHT TO REQUIRE OWNER / CONTRACTOR TO IMPLEMENT ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY.
4. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSPECTED ONCE PER WEEK AND FOLLOWING EACH RAINFALL EVENT. INSPECTION REPORTING SHALL BE IN ACCORDANCE WITH TOWN OF BLOOMING GROVE REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION AND SEDIMENT CONTROL PRACTICES IN WORKING ORDER.
6. DEWATERING PRACTICES SHALL COMPLY WITH TECHNICAL STANDARD 1061.
7. ALL SLOPES EXCEEDING 20% (5:1) SHALL BE STABILIZED WITH A CLASS I, TYPE A URBAN EROSION MAT.
8. ALL SWALES SHALL BE STABILIZED WITH A CLASS I, TYPE B EROSION MAT.
9. DUST CONTROL SHALL BE MITIGATED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1068.
10. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED IMMEDIATELY FOLLOWING FINAL GRADING ACTIVITIES.
11. SEED MIX AND RATE SHALL BE, AT A MINIMUM, IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1059.
12. TRACKED SOIL FROM THE SITE TO STREETS SHALL BE REMOVED AT THE END OF EACH WORKDAY OR AS DIRECTED.
13. FRAMED INLET PROTECTION SHALL BE INSTALLED UPON INLET CONSTRUCTION.
14. INSTALL PERIMETER CONTROLS ON THE DOWNSLOPE SIDE OF STOCKPILES AND PROVIDE TEMPORARY SEEDING ON STOCKPILES WHICH ARE TO REMAIN IN PLACE FOR MORE THAN SEVEN (7) DAYS.
15. INSTALL TRM PER MANUFACTURER'S RECOMMENDATIONS.
16. AREAS WHERE TRM IS INSTALLED SHALL BE RESTORED WITH SEED AND TYPE II CLASS C EROSION MATTING.

STRIP AND STOCKPILE TOPSOIL. PLACE EXCESS MATERIAL AND COVER WITH STOCKPILED TOPSOIL.

RESTORE DISTURBED AREA WITH COVER CROP (WINTER WHEAT) AT A RATE OF 1.5 LBS PER 1000 SF PER WISDOT STANDARDS



TO OBTAIN LOCATIONS OF PARTICIPANT UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
 CALL DIGGERS HOTLINE  
 1-800-242-8511 TOLL FREE  
 WISCONSIN STATE OFFICE: 800 WEST WISCONSIN AVENUE, SUITE 300, MADISON, WI 53703  
 WORK DAYS 8:00AM - 5:00PM (EST) BEFORE YOU DIG

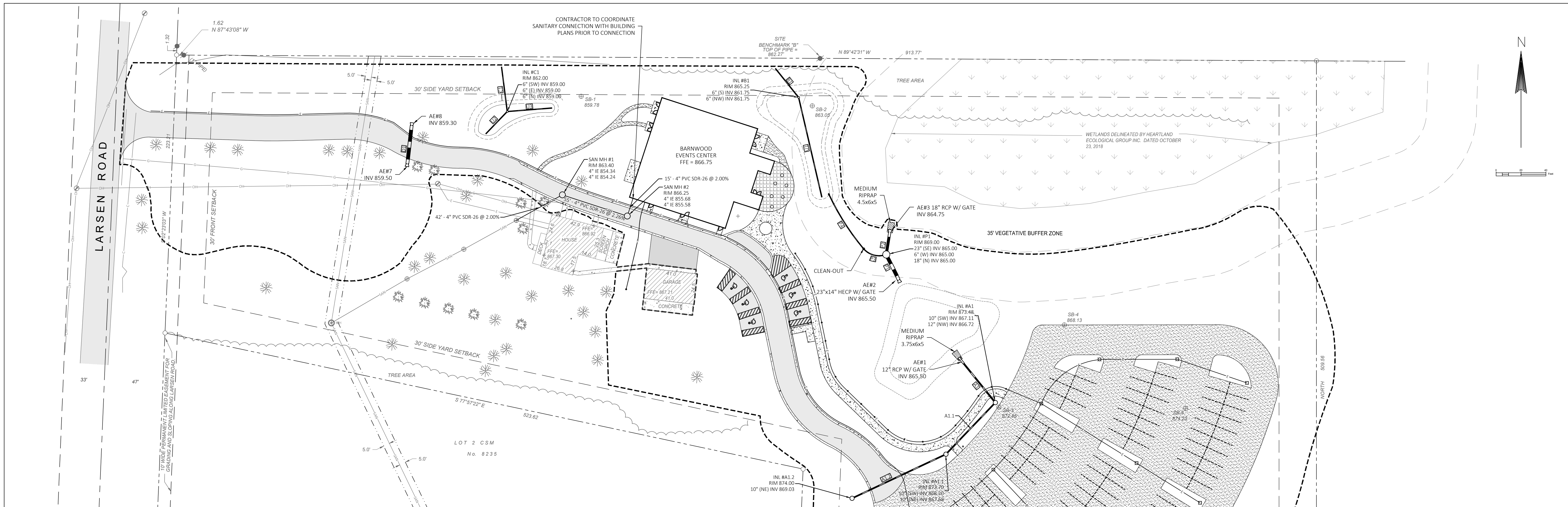
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REVISION DATE:

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MARS-EOR  
water.ecology.community

**LEGEND**

- STORM SEWER
- SANITARY SEWER
- WATER SERVICE
- ELECTRIC SERVICE
- LOT LINE
- EASEMENT LINE

**GENERAL NOTES**

1. EXISTING CONDITIONS SHOWN ARE SURVEY PROVIDED BY WILLIAMSON SURVEYING AND ASSOCIATES, LLC. EMMONS & OLIVER RESOURCES (EOR) TAKES NO RESPONSIBILITY FOR ACCURACY OF ANY EXISTING CONDITIONS ELEVATIONS OR BENCHMARKS.
2. ALL WORK IN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE TOWN OF BLOOMING GROVE REQUIREMENTS.
3. CONTRACTOR SHALL OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK IN PUBLIC LAND AND EASEMENTS IF REQUIRED.
4. BUILDING CORNERS ARE APPROXIMATE AND FOR GENERAL BUILDING FOOTPRINT ONLY. REFER TO FOUNDATION PLAN FOR DIMENSIONS.
5. EOR SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATION BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
6. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

**UTILITY NOTES**

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
  - 1.1. EXAMINING ALL SITES CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
  - 1.2. OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
  - 1.3. VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
  - 1.4. NOTIFYING ALL UTILITIES PRIOR TO THE INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
  - 1.5. NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
2. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
3. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
4. CONTRACTOR SHALL VERIFY ALL ELEVATIONS, LOCATIONS, AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS.
5. MINIMUM 8" SEPARATION IS REQUIRED BETWEEN 8" WATER SERVICES AND 8" SANITARY SEWER SERVICES.
6. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH ENGINEERING PLANS DESIGNED TO MEET ORDINANCES AND REQUIREMENTS OF THE MUNICIPALITY AND WISDOT, WISDSPS, AND WDNR.
7. CONTRACTOR SHALL VERIFY AND COORDINATE ALL UTILITY CONNECTIONS WITH THE BUILDING PRIOR TO CONSTRUCTION.
8. ALL PRIVATE PIPE AND TUBING FOR WATER SERVICE SHALL CONFORM TO SPS 384.30-7.
9. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
10. GRANULAR BACKFILL MATERIALS ARE REQUIRED IN ALL UTILITY TRENCHES UNDER SIDEWALKS AND PROPOSED PAVED AREAS (UNLESS OTHERWISE SPECIFIED IN THE GEOTECHNICAL REPORT). ALL UTILITY TRENCH BACKFILL SHALL BE COMPACTED PER SPECIFICATIONS.
11. IN ACCORDANCE WITH ACT 425 OF THE WISCONSIN LEGISLATURE, LOCATED IN SECTION 182.0715(2) OF THE STATE STATUTES AND OTHER APPLICABLE REQUIREMENTS, ALL NON-METALLIC BUILDING SEWER AND WATER SERVICES MUST BE ACCOMPANIED BY MEANS OF LOCATING UNDERGROUND PIPE. TRACER WIRE VALVE BOXES SHALL BE INSTALLED ON ALL LATERALS AND AS INDICATED ON THESE PLANS.
12. ALL EXTERIOR CLEANOUTS SHALL BE PROVIDED WITH A FROST SLEEVE IN ACCORDANCE WITH SPS 382.35(5)(a) AND SPS 384.30(2)(c).
13. ALL PRIVATE SANITARY BUILDING SEWER PIPE AND TUBING SHALL CONFORM TO SPS 384.30-3.
14. OPEN PICKHOLES ARE PROHIBITED IN SANITARY MANHOLES.
15. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.

PROPOSED STORM SEWER STRUCTURE SCHEDULE

Label (#)	RIM/TC	Invert	SUM/P	Structure Description	Grate
A1	873.48	866.72	869.22	36" DIA MANHOLE	R-2561
A1.1	873.70	867.68	869.68	36" DIA MANHOLE	R-2561
A1.2	874.00	869.03	871.12	36" DIA MANHOLE	R-2561
B1	865.25	861.75	860.75	8 IN PLASTIC CATCHBASIN	SOLID LID
C1	862.00	859.00	857.45	8 IN PLASTIC CATCHBASIN	SOLID LID
P1	869.00	865.00	864.25	60" DIA MANHOLE	R-1550, SOLID LID

PROPOSED STORM SEWER PIPE SCHEDULE

Pipe Label	Length (FT)	Slope (%)	U/S INV	D/S INV	Size	Material
A1	40	3.03%	866.72	865.50	12"	PVC SDR-26
A1.1	57	1.00%	867.68	867.11	10"	PVC SDR-26
A1.2	83	1.00%	869.03	868.20	10"	PVC SDR-26
B1	30	0.00%	861.75	861.75	6"	HDPE
C1	36	0.00%	859.00	859.00	6"	HDPE
D1	23	0.85%	859.50	859.30	23"	HECP
P1	19	2.63%	865.50	865.00	23"	HECP
P2	14	1.77%	865.00	864.75	18"	RCP
P3	20	1.00%	865.00	864.80	6"	HDPE
P4	52	1.00%	864.80	864.28	6"	HDPE

PROPOSED STORM SEWER PIPE SCHEDULE

Pipe Label	Length (FT)	Slope (%)	U/S INV	D/S INV	Size	Material
U1	82	0.00%	861.75	861.75	6"	HDPE
U2	25	0.00%	859.00	859.00	6"	HDPE
U3	36	0.00%	859.00	859.00	6"	HDPE

TO OBTAIN LOCATIONS OF PARTICIPANT UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN



CALL DIGGERS HOTLINE  
1-800-242-8511 TOLL FREE  
WORK DAYS NOTICE BEFORE YOU EXCAVATE

THE INFORMATION SHOWN ON THIS DRAWING CONCERNING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THEREOF. IF ADDITIONAL UTILITIES ARE KNOWN TO EXIST IN THE PROPERTY, THE OWNER WILL PROVIDE EXISTING PLANS OF OTHER UTILITIES SERVING THE SITE AND THE BUILDING THAT OTHERWISE CANNOT BE LOCATED BY A VISUAL INSPECTION OF THE PROPERTY OR OF WHICH THE SURVEYOR WOULD HAVE NO KNOWLEDGE.





**MATERIAL NOTES**

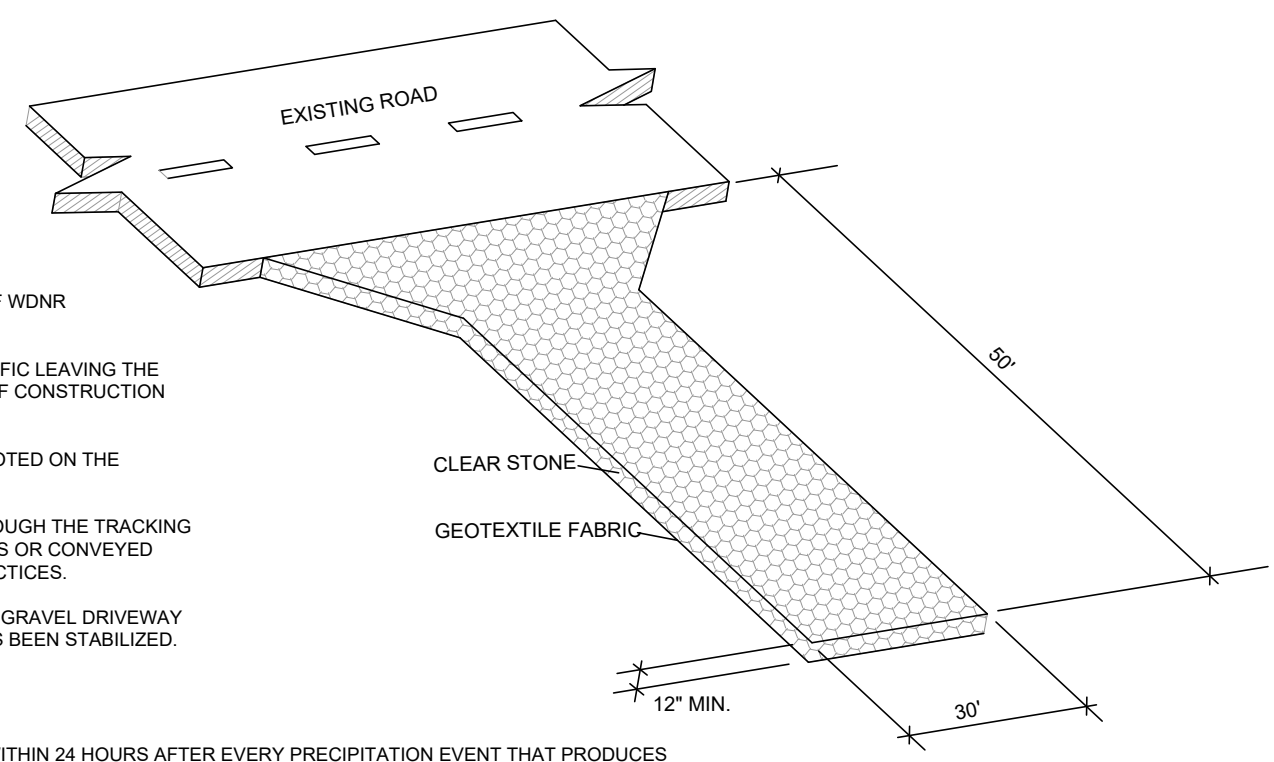
1. THE AGGREGATE FOR TRACKING PAD SHALL BE 3-6" CLEAR STONE.
2. THE TRACKING PAD SHALL BE UNDERLAIN WITH A WDOT TYPE HR GEOTEXTILE FABRIC.

**INSTALLATION NOTES**

1. INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF WDNR CONSERVATION PRACTICE STANDARD 1057.
2. THE TRACKING PAD SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE. STONE TRACKING PAD SHALL BE USED AT ALL POINTS OF CONSTRUCTION EGRESS.
3. DIMENSIONS OF THE TRACKING PAD SHALL BE MINIMUM AS NOTED ON THE FIGURE ABOVE.
4. SURFACE WATER SHALL BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY FROM TRACKING PADS OR CONVEYED UNDER AND AROUND THEM USING CULVERTS OR OTHER PRACTICES.
5. TRACKING PAD SHALL BE REMOVED OR INCORPORATED INTO GRAVEL DRIVEWAY ONLY AFTER CONSTRUCTION IS COMPLETE AND THE SITE HAS BEEN STABILIZED.

**INSPECTION & MAINTENANCE NOTES**

1. STONE TRACKING PADS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD.
2. ADDITIONAL AGGREGATE SHALL BE PLACED IF THE TRACKING PAD BECOMES BURIED OR IF SEDIMENT IS NOT BEING REMOVED EFFECTIVELY FROM THE VEHICLE TIRES.
3. A MINIMUM 30-FOOT WIDE BY 50-FOOT LONG BY 12-INCH THICK PAD SHALL BE MAINTAINED AT ALL TIMES.
4. THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.
5. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING AT THE END OF EACH WORKING DAY.
6. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION FOR SITE CONDITIONS.



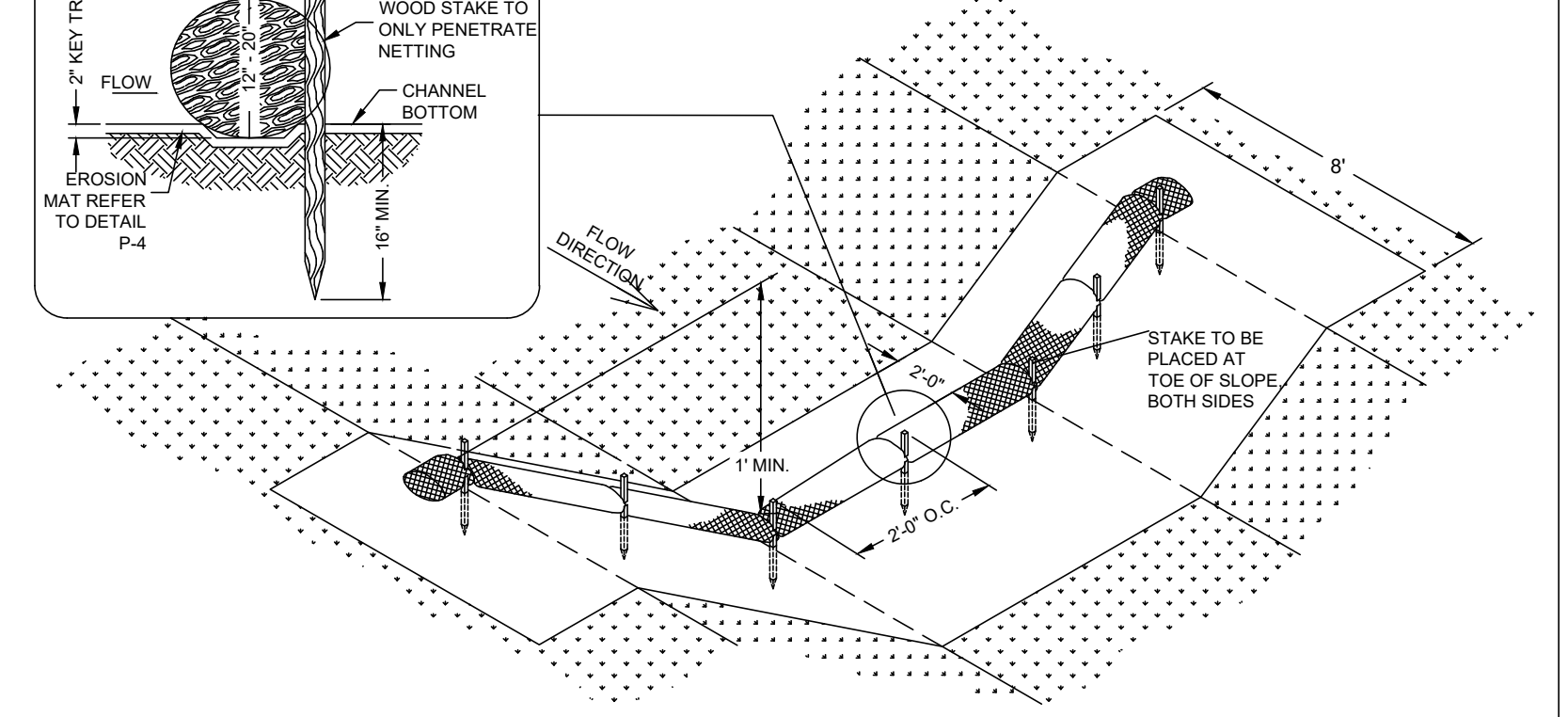
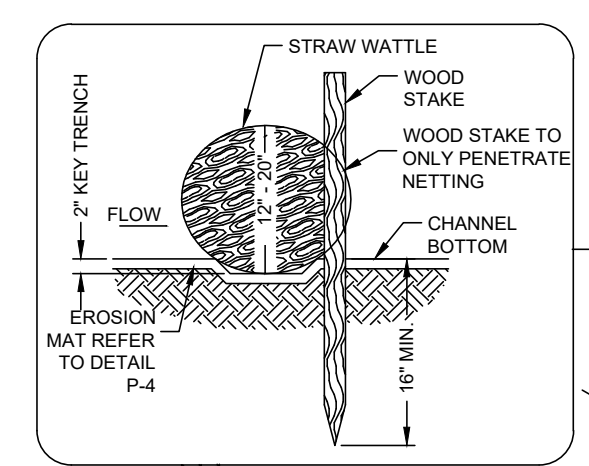
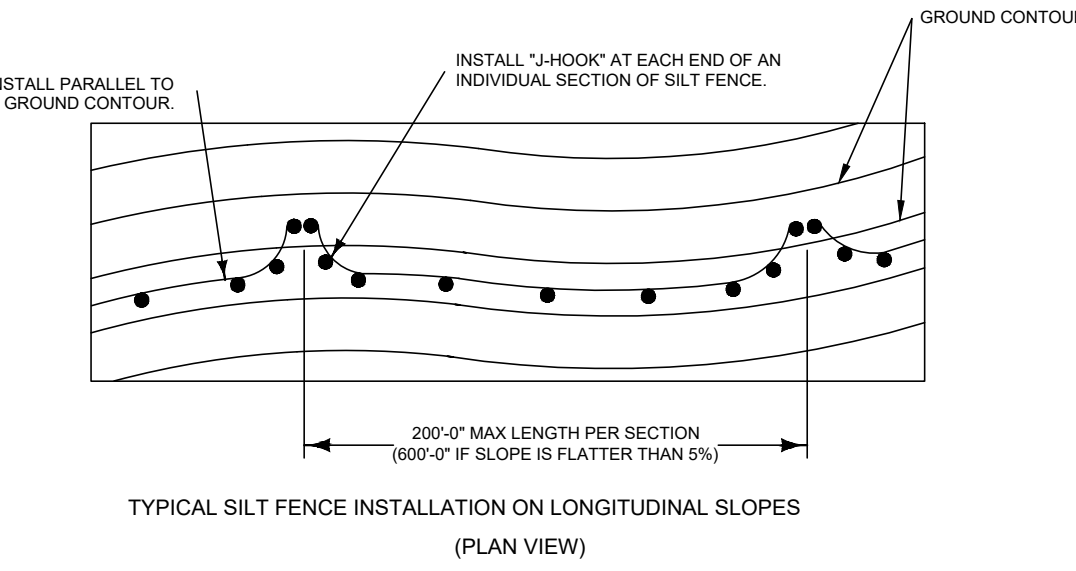
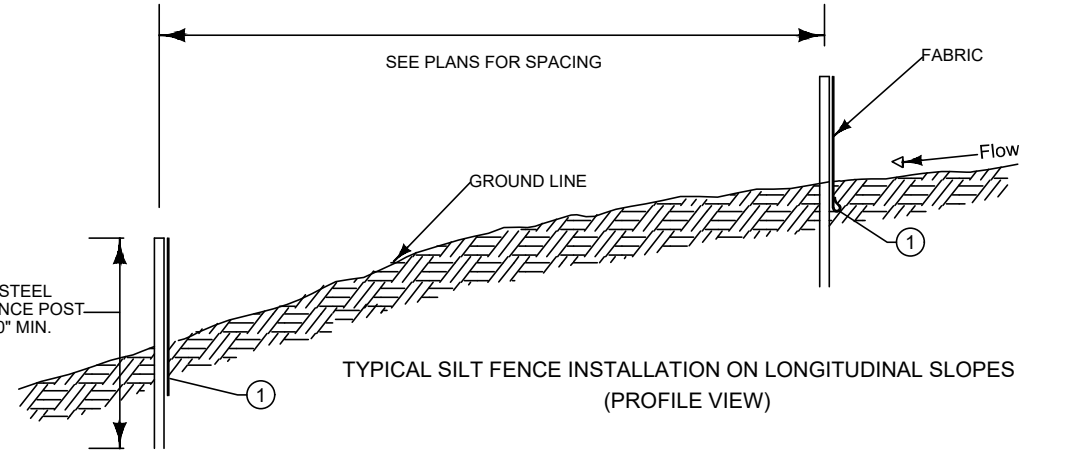
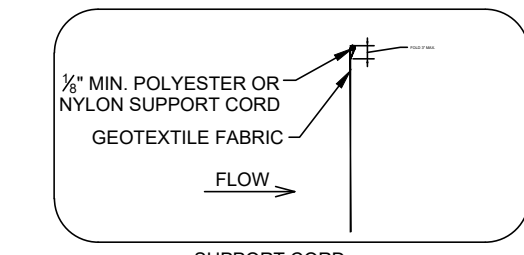
**MATERIAL NOTES**

1. GEOTEXTILE FABRIC SHALL BE WOVEN AND SHALL CONFORM TO THE MATERIAL REQUIREMENTS LISTED IN SECTION 608 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, 2018 EDITION.

**INSTALLATION NOTES**

1. INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF WDNR CONSERVATION PRACTICE STANDARD 1056.
2. CONSTRUCT THE SILT FENCE IN AN ARC WITH THE ENDS POINTING UPSLOPE TO AVOID EROSION AROUND THE ENDS OF THE FENCE.
3. FAILURE TO PROPERLY ANCHOR SILT FENCE COULD RESULT IN WATER AND SEDIMENT RELEASE BENEATH THE SILT FENCE.
4. CONSTRUCT THE FENCE FROM A CONTINUOUS ROLL OF GEOTEXTILE TO AVOID JOINTS. WHERE JOINTS ARE NECESSARY, OVERLAP TO THE NEXT POST OR WRAP ADJOINING FABRICS TOGETHER AROUND THE JOINT POST AND TIGHTLY FASTEN.
5. SILT FENCE SHALL NOT BE USED IN AREAS OF CONCENTRATED FLOW.
6. WHEN NOT USED IN CONJUNCTION WITH OTHER PRACTICES, INSTALL SILT FENCE PER THE SPACING REQUIREMENTS OF THE FOLLOWING TABLE:

SLOPE	FENCE SPACING
<2%	100 FEET
2-5%	75 FEET
5-10%	50 FEET
10-33%	25 FEET
>33%	20 FEET



**02 C500 STONE TRACKING PAD**

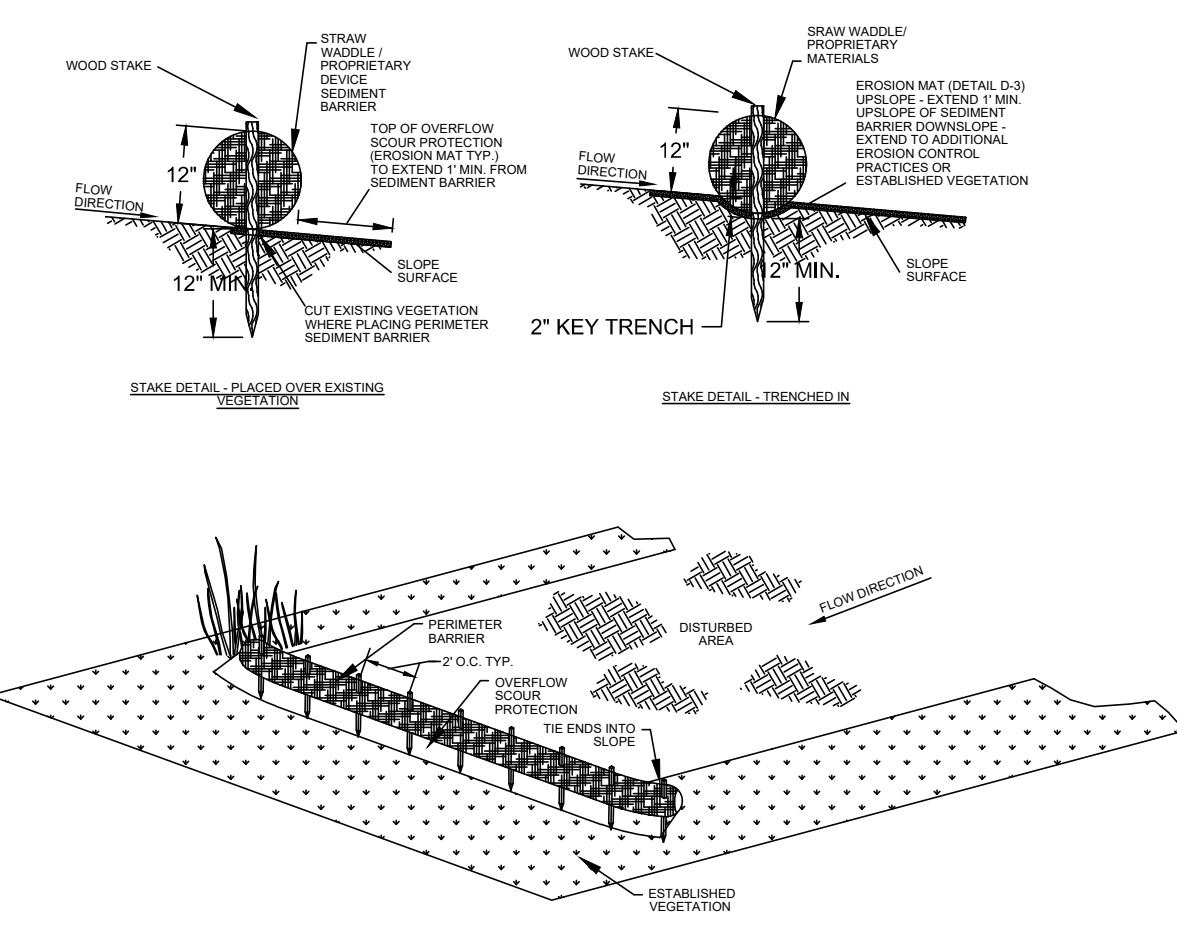
**MATERIAL NOTES**

1. PERIMETER SEDIMENT CONTROL PRACTICES SHALL CONSIST OF STRAW WATTLES OR PROPRIETARY MATERIALS.
2. EROSION MAT SHALL BE SELECTED AND INSTALLED PER THE REQUIREMENTS LISTED IN STANDARD DETAIL D2.
3. WOOD STAKES SHALL BE AIR OR KILN DRIED HICKORY OR OAK WITH THE FOLLOWING DIMENSIONS: 1 1/2" x 1 1/2" x REQUIRED LENGTH.

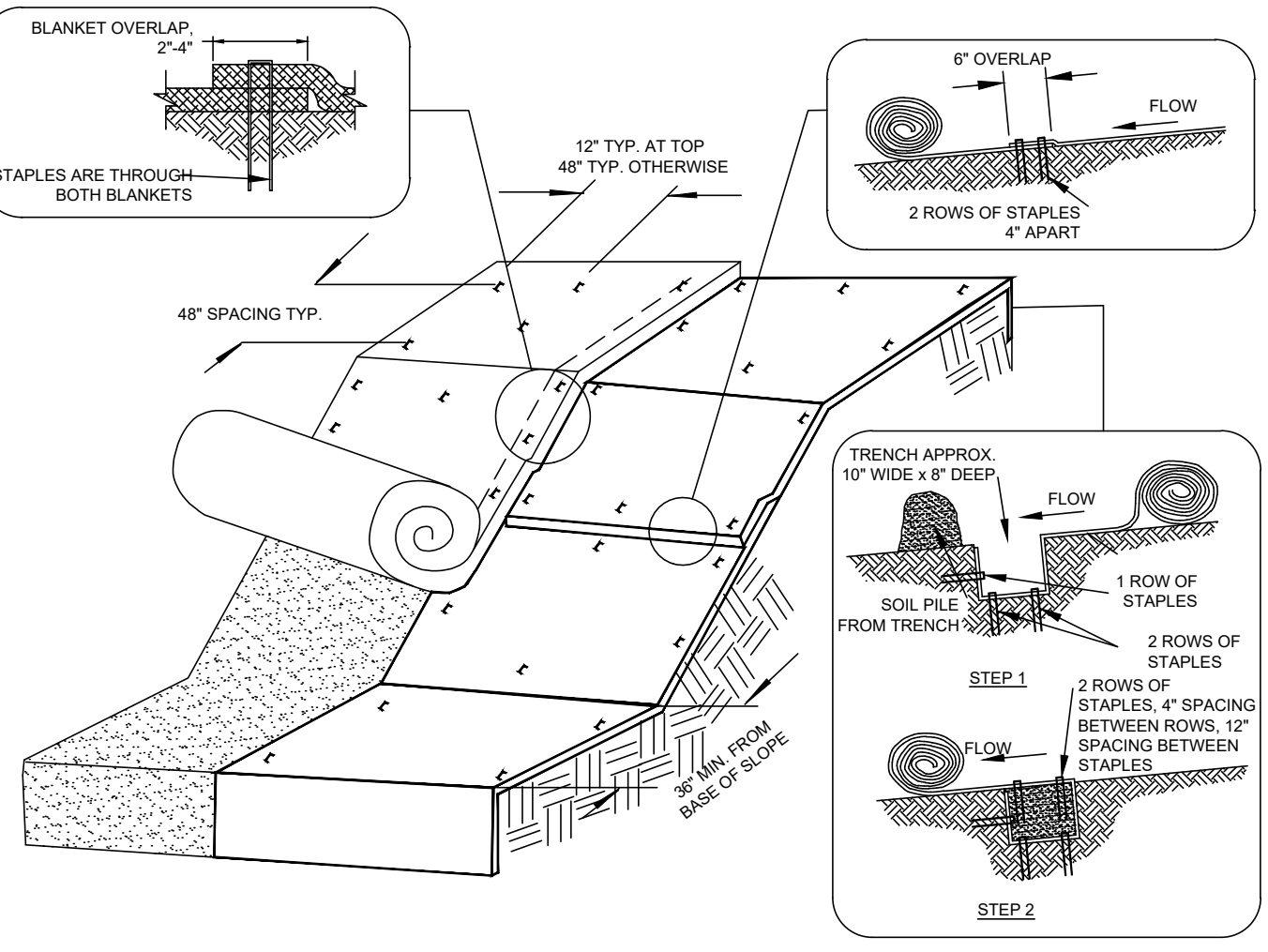
**INSTALLATION NOTES**

1. INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF APPLICABLE WDNR CONSERVATION PRACTICE STANDARDS.
2. PROPRIETARY MATERIALS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. WHEN JOINTS ARE NECESSARY, OVERLAP AND SECURE TO MINIMIZE POTENTIAL FOR CONCENTRATED FLOW.
4. INSTALL ALL PERIMETER SEDIMENT CONTROL PRACTICES SUCH THAT THE ENDS TIE INTO THE SLOPE TO PREVENT EROSION FROM CONCENTRATED FLOW AROUND THE ENDS.
5. PERIMETER SEDIMENT CONTROL PRACTICES SHOULD BE USED IN CONJUNCTION WITH PERMANENT RESTORATION PRACTICES.
6. WHEN NOT USED IN CONJUNCTION WITH OTHER PRACTICES, INSTALL PERIMETER SEDIMENT CONTROL PRACTICES PER THE SPACING REQUIREMENTS (DISTURBED SLOPE LENGTH) NOTED IN THE FOLLOWING TABLE:

SLOPE	SPACING
<2%	100 FEET
2-5%	75 FEET
5-10%	50 FEET



**03 C500 SILT SOCK**



**MATERIAL NOTES**

1. STAPLES USED FOR CLASS 1 TYPES B MATS SHALL BE 1-2 INCH WIDE, U-SHAPED, MADE OF NO. 11 (3.05mm) OR LARGER DIAMETER STEEL WIRE, AND NOT LESS THAN 6 INCHES LONG FOR FIRM SOILS AND 12 INCHES LONG FOR LOOSE SOILS.
2. ANCHORING DEVICES FOR URBAN MATS SHALL BE SELECTED BASED UPON THE REQUIREMENTS OF THE WISDOT PAL.

**INSTALLATION NOTES**

1. INSTALLATION SHALL CONFORM WITH WDNR CONSERVATION PRACTICE STANDARD 1052.
2. EROSION MAT SHALL BE IN FIRM AND CONTINUOUS CONTACT WITH THE SOIL AND EXTEND UPSLOPE ONE-FOOT FROM LAND DISTURBANCE.
3. EROSION MAT SHALL BE ANCHORED, OVERLAPPED, STAKED AND ENTRENCHED PER THE MANUFACTURER'S RECOMMENDATIONS. THIS STANDARD DETAIL IS AN EXAMPLE OF TYPICAL INSTALLATION GUIDANCE.
4. WHERE POSSIBLE, USE A SINGLE ROLL OF EROSION CONTROL MAT TO SPAN THE DISTURBED AREA.

**INSPECTION & MAINTENANCE NOTES**

1. AT A MINIMUM, PERFORM INSPECTIONS WEEKLY AND WITHIN 24 HOURS OF PRECIPITATION EVENTS PRODUCING 0.5 INCHES OR MORE OF RAINFALL.
2. INSTALL ADDITIONAL ANCHORING IN AREAS OF OBSERVED RILLING AND CONCENTRATED FLOW BENEATH THE EROSION MAT. IF RILLING IS SEVERE ENOUGH TO PREVENT VEGETATION ESTABLISHMENT, REMOVE EROSION MAT, REGRADE, COMPACT, RE-SEED, AND REPLACE THE SECTION OF MAT.
3. IF PRODUCTS WITH PLASTIC NETTING ARE USED, REMOVE NETTING OR REPLACE MAT IF SEPARATION OF THE NETTING FROM THE MAT IS OBSERVED.
4. ALL MAINTENANCE ACTIVITIES SHOULD OCCUR AS SOON AS POSSIBLE WITH CONSIDERATION OF SITE CONDITIONS.

**05 C500 SILT FENCE**

**INSPECTION & MAINTENANCE NOTES**

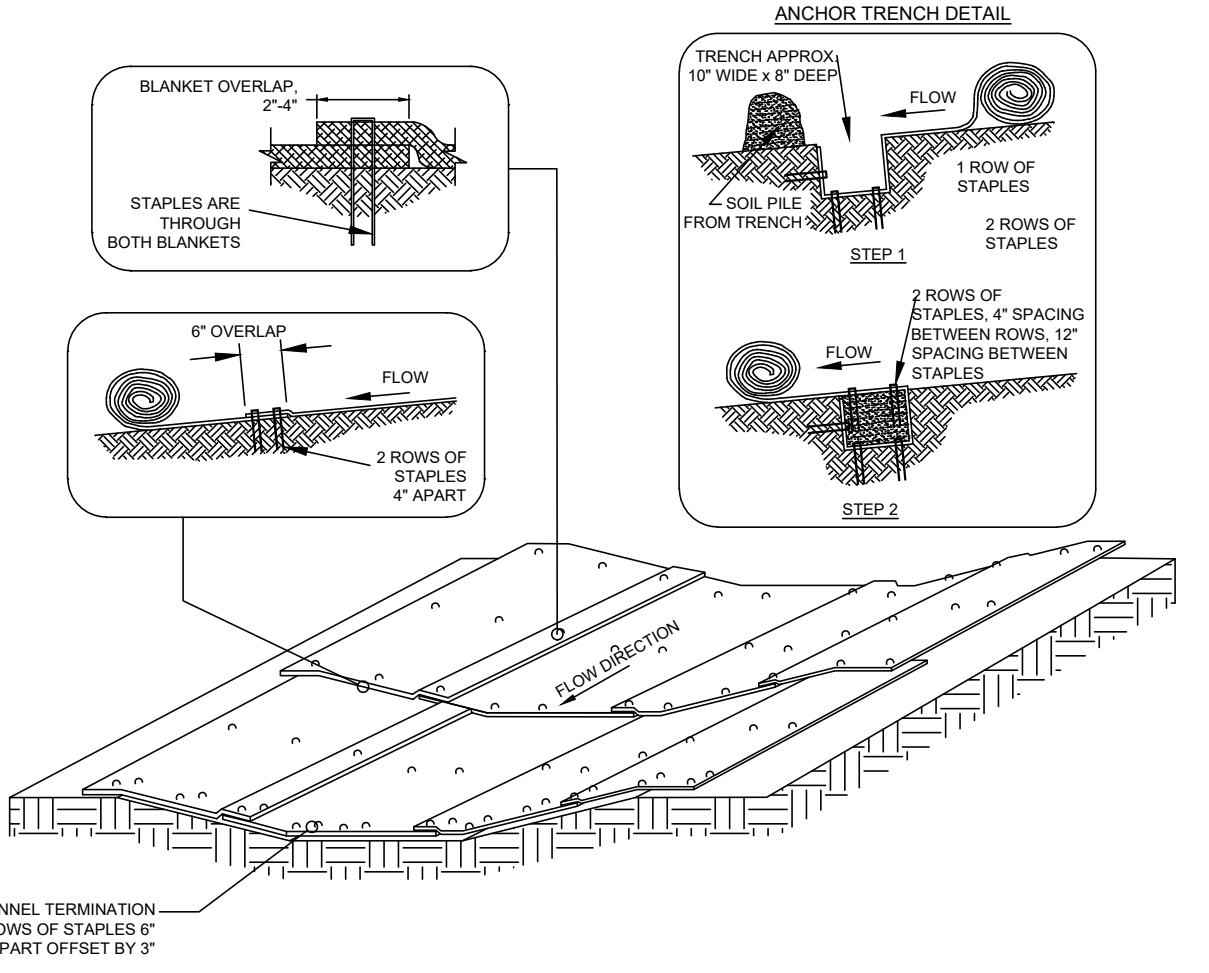
1. MAT SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD.
2. INSTALL ADDITIONAL ANCHORING IN AREAS OF OBSERVED RILLING AND CONCENTRATED FLOW BENEATH THE EROSION MAT. IF RILLING IS SEVERE ENOUGH TO PREVENT VEGETATION ESTABLISHMENT, REMOVE EROSION MAT, REGRADE, COMPACT, RE-SEED, AND REPLACE THE SECTION OF MAT.
3. IF PRODUCTS WITH PLASTIC NETTING ARE USED, REMOVE NETTING OR REPLACE MAT IF SEPARATION OF THE NETTING FROM THE MAT IS OBSERVED.
4. ALL MAINTENANCE ACTIVITIES SHOULD OCCUR AS SOON AS POSSIBLE WITH CONSIDERATION OF SITE CONDITIONS.

**MATERIAL NOTES**

1. EROSION CONTROL REVEGETATIVE MATS (ECRM) SHALL BE WISDOT PRODUCT ACCEPTABLE LIST (PAL) APPROVED CLASS II TYPE C, UNLESS DIRECTED OTHERWISE.
2. ONLY PRODUCTS LISTED IN THE WISCONSIN DEPARTMENT OF TRANSPORTATION EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) ARE ACCEPTABLE FOR USE.
3. STAPLES USED FOR CLASS 1 TYPES A & B MATS SHALL BE 1-2 INCH WIDE, U-SHAPED, MADE OF NO. 11 (3.05mm) OR LARGER DIAMETER STEEL WIRE, AND NOT LESS THAN MA 6 INCHES LONG FOR FIRM SOILS AND 12 INCHES LONG FOR LOOSE SOILS.

**INSTALLATION NOTES**

1. INSTALLATION OF ECRM SHOULD BE COORDINATED WITH PERMANENT RESTORATION PRACTICES.
2. INSTALLATION SHALL CONFORM WITH WDNR CONSERVATION PRACTICE STANDARD 1053.
3. ALL PRODUCTS SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. THIS STANDARD DETAIL IS AN EXAMPLE OF TYPICAL INSTALLATION GUIDANCE.
4. MATS SHALL EXTEND UPSLOPE 2-FT VERTICALLY FROM THE DITCH BOTTOM OR 6 INCHES GREATER THAN THE DESIGN FLOW DEPTH, WHICHEVER IS GREATER.
5. MATS SHALL BE IN FIRM AND CONTINUOUS CONTACT WITH THE SOIL.
6. WHEN POSSIBLE, AVOID PLACING SIDE-BY-SIDE LAP JOINTS IN THE BOTTOM OF CHANNELS.



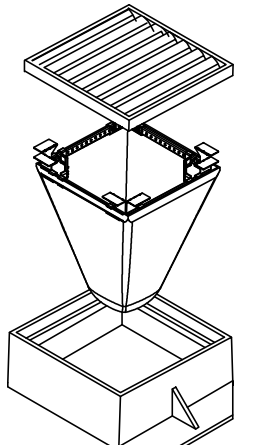
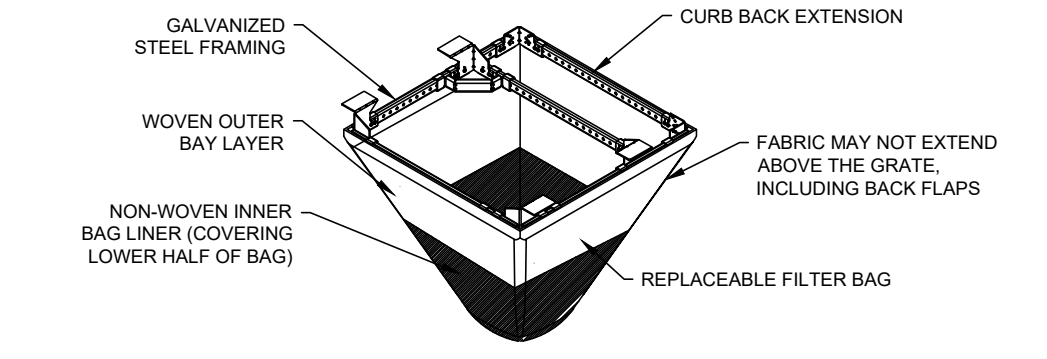
**07 C500 DITCH CHECK**

**INSTALLATION NOTES**

1. DITCH CHECKS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD.
2. WHEN OBSERVING CONDITIONS OF DITCH CHECKS, PAY SPECIAL CONSIDERATION TO THE PRESENCE OF INDICATORS THAT WATER IS ERODING AROUND THE ENDS, UNDERCUTTING THE DITCH CHECK, OR SIGNIFICANT EROSION IS OCCURRING DOWNSTREAM OF THE DITCH CHECK. THESE ITEMS MAY INDICATE THE NEED FOR CLOSER SPACING ON DITCH CHECKS OR USE OF A DIFFERENT EROSION MAT.
3. SEDIMENT SHALL BE REMOVED FROM BEHIND THE DITCH CHECK WHEN IT REACHES 1/2 THE HEIGHT OF THE LOWEST ELEVATION OF THE DITCH CHECK.
4. DITCH CHECKS SHALL BE REMOVED ONCE CHANNEL IS STABILIZED WITH VEGETATION UNLESS PART OF A PERMANENT STORMWATER MANAGEMENT PLAN.
5. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION FOR SITE CONDITIONS.

**MATERIAL NOTES**

1. DITCH CHECKS SHALL BE CONSTRUCTED OF APPROVED MATERIALS LISTED IN WISCONSIN DEPARTMENT OF TRANSPORTATION EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) FOR TEMPORARY DITCH CHECKS.
2. EROSION MAT SHALL BE SELECTED AND INSTALLED PER THE REQUIREMENTS LISTED IN DETAIL D-7.
3. WOOD STAKES SHALL MEET THE FOLLOWING REQUIREMENTS: FOR 12" SEDIMENT LOGS: 1 1/2" x 1 1/2" x 30" AIR OR KILN DRIED HICKORY OR OAK STAKES FOR 20" SEDIMENT LOGS: 1 1/2" x 1 1/2" x 48" AIR OR KILN DRIED HICKORY OR OAK STAKES



**(HB) HYBRID FILTER BAG SPECIFICATIONS:**

Manufacturer	Model	Material	Flow Rating (CF5)	ADS P/N				
Neenah	3067	Curv Box	35.25 x 17.75	33.0 x 15.0	4.4	2.0	5.8	62LCEBEX1HB
Neenah	3246A	Curv Box	35.75 x 23.875	33.5 x 21.0	4.2	1.1	3.3	62LCEBEX2HB
Neenah	3030	Square/Rect (SQ)	23 x 16	20.5 x 13.5	1.6	0.7	2.2	62MCSB21HB
Neenah	3067-C	Square/Rect (SQ)	35.25 x 17.75	33 x 15	3.2	1.0	5.2	62LSQB16HB
Neenah	R-2501	Round (RD)	-26	-24	2.3	0.8	5.2	62MRD26HB
Neenah	R-1772/2560	Round (RD)	22.25-23.5	20.5-21	1.5	0.6	4.6	62MRD22HB

**CATCH-IT INLET FILTER (Temporary Inlet Protection)**

Neenah Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft.)	Flow Ratings (CF5)	ADS P/N	
3067	Curv Box	35.25 x 17.75	33.0 x 15.0	4.4	2.0	5.8	62LCEBEX1HB
3246A	Curv Box	35.75 x 23.875	33.5 x 21.0	4.2	1.1	3.3	62LCEBEX2HB
3030	Square/Rect (SQ)	23 x 16	20.5 x 13.5	1.6	0.7	2.2	62MCSB21HB
3067-C	Square/Rect (SQ)	35.25 x 17.75	33 x 15	3.2	1.0	5.2	62LSQB16HB
R-2501	Round (RD)	-26	-24	2.3	0.8	5.2	62MRD26HB
R-1772/2560	Round (RD)	22.25-23.5	20.5-21	1.5	0.6	4.6	62MRD22HB

**INSTALLATION NOTES**

1. REMOVE GRATE FROM THE DRAINAGE STRUCTURE.
2. CLEAN STONE AND DIRT FROM LEDGE (LIP) OF DRAINAGE STRUCTURE.
3. DROP THE INLET FILTER THROUGH THE CLEAN OPENING SUCH THAT THE HANGERS REST FIRMLY ON THE LIP OF THE STRUCTURE.
4. REPLACE THE GRATE AND CONFIRM IT IS NOT ELEVATED MORE THAN 1/8".

**MAINTENANCE NOTES**

1. EMPTY THE SEDIMENT BAG IF IT IS MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS.
2. REMOVE THE GRATE, ENGAGE THE LIFTING POINTS, AND LIFT FILTER FROM THE DRAINAGE STRUCTURE.
3. DISPOSE OF SEDIMENT AND DEBRIS AS DIRECTED BY THE ENGINEER OR MAINTENANCE CONTRACTOR.
4. ALTERNATIVELY, AN INDUSTRIAL VACUUM CAN BE USED TO COLLECT SEDIMENT FROM THE FILTER BAG.

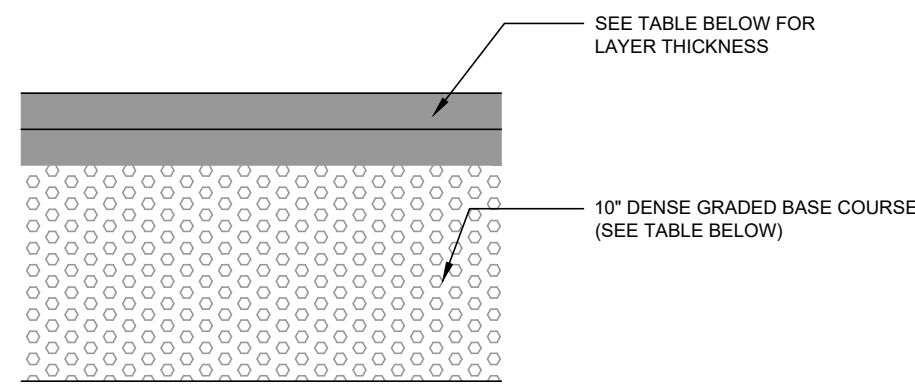
**04 C500 EROSION CONTROL MAT (SLOPES)**

**06 C500 EROSION CONTROL MAT (CHANNELS)**

**08 C500 INLET PROTECTION, FRAMED (FLEXSTORM CATCH-IT)**

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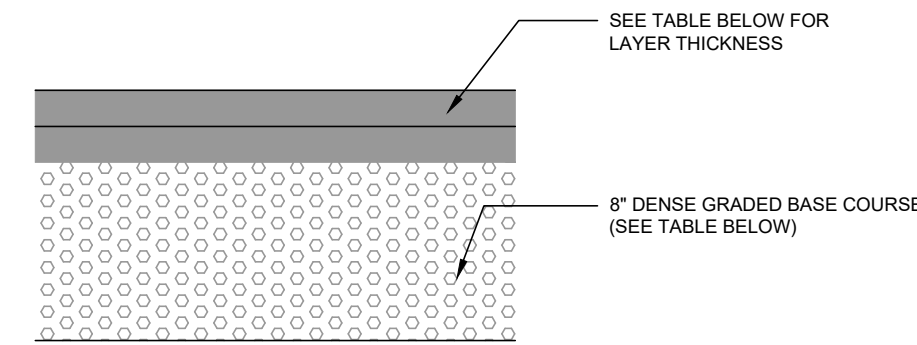
RECOMMENDED MEDIUM-DUTY PAVEMENT SECTION		
MATERIAL	LAYER THICKNESS, IN.	WDOT SPECIFICATION
BITUMINOUS UPPER LAYER (SURFACE COURSE)	1.75	SECTION 460, TABLE 460-1, 9.5 mm
BITUMINOUS LOWER LAYER (BINDER COURSE)	2.25	SECTION 460, TABLE 460-1, 12.5 mm
DENSE GRADED BASE COURSE	10	SECTIONS 301 AND 305, 3 in AND 1-1/4 in
TOTAL THICKNESS	14	

NOTES:

1. WISCONSIN DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, INCLUDING SUPPLEMENT SPECIFICATIONS, BUT EXCLUDING LIMITATIONS IN SECTION 460.3.2 RESTRICTING LAYER THICKNESS BY AGGREGATE SIZE.
2. COMPACTION REQUIREMENTS:  
-BITUMINOUS CONCRETE: REFER TO SECTION 460-3  
-BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION
3. MIXTURE TYPE LT (OR E-0.3) BITUMINOUS PAVEMENT IS RECOMMENDED; REFER TO SECTION 460 TABLE 460-2 OF THE STANDARD SPECIFICATIONS
4. THE UPPER 4 IN SHOULD CONSIST OF 1 1/2 IN DGB; THE BOTTOM PART OF THE LAYER CAN CONSIST OF 3 IN DGB.

09 MEDIUM PAVEMENT SECTION

C501



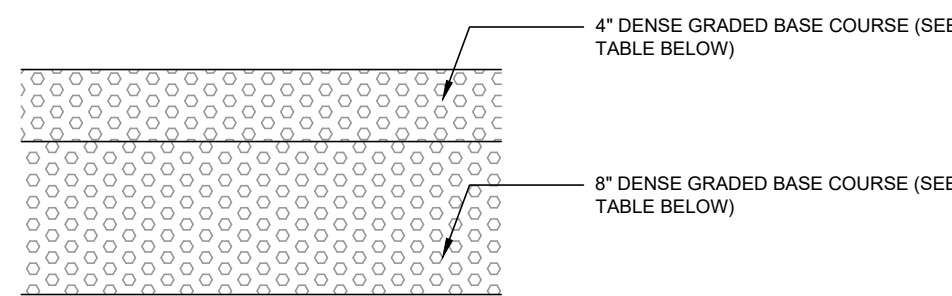
RECOMMENDED LIGHT-DUTY PAVEMENT SECTION		
MATERIAL	LAYER THICKNESS, IN.	WDOT SPECIFICATION
BITUMINOUS UPPER LAYER (SURFACE COURSE)	1.5	SECTION 460, TABLE 460-1, 9.5 mm
BITUMINOUS LOWER LAYER (BINDER COURSE)	2	SECTION 460, TABLE 460-1, 12.5 mm
DENSE GRADED BASE COURSE	8	SECTIONS 301 AND 305, 3 in AND 1-1/4 in
TOTAL THICKNESS	11.5	

NOTES:

1. WISCONSIN DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, INCLUDING SUPPLEMENT SPECIFICATIONS, BUT EXCLUDING LIMITATIONS IN SECTION 460.3.2 RESTRICTING LAYER THICKNESS BY AGGREGATE SIZE.
2. COMPACTION REQUIREMENTS:  
-BITUMINOUS CONCRETE: REFER TO SECTION 460-3  
-BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION
3. MIXTURE TYPE LT (OR E-0.3) BITUMINOUS PAVEMENT IS RECOMMENDED; REFER TO SECTION 460 TABLE 460-2 OF THE STANDARD SPECIFICATIONS
4. THE UPPER 4 IN SHOULD CONSIST OF 1 1/2 IN DGB; THE BOTTOM PART OF THE LAYER CAN CONSIST OF 3 IN DGB.

13 LIGHT PAVEMENT SECTION

C501



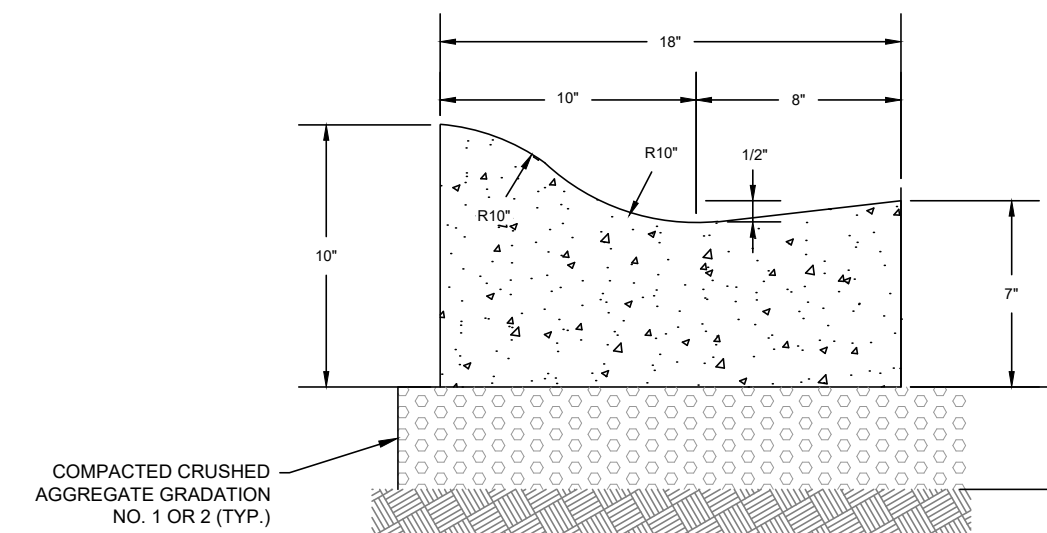
GRAVEL PARKING SECTION		
MATERIAL	LAYER THICKNESS, IN.	WDOT SPECIFICATION
DENSE GRADED AGGREGATE BASE UPPER LAYER	4	SECTIONS 301 AND 305, 3 in AND 1-1/4 in
DENSE GRADED AGGREGATE BASE LOWER LAYER	8	SECTIONS 301 AND 305, 3 in AND 1-1/4 in
TOTAL THICKNESS	12	

NOTES:

1. WISCONSIN DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, INCLUDING SUPPLEMENT SPECIFICATIONS, BUT EXCLUDING LIMITATIONS IN SECTION 460.3.2 RESTRICTING LAYER THICKNESS BY AGGREGATE SIZE.
2. COMPACTION REQUIREMENTS:  
-BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION
3. THE UPPER 4 IN SHOULD CONSIST OF 1 1/2 IN DGB; THE BOTTOM PART OF THE LAYER CAN CONSIST OF 3 IN DGB.

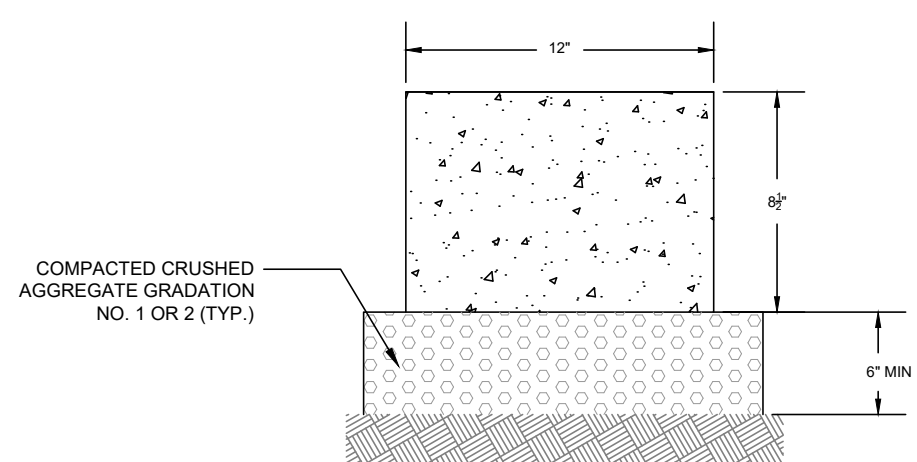
10 GRAVEL PARKING SECTION

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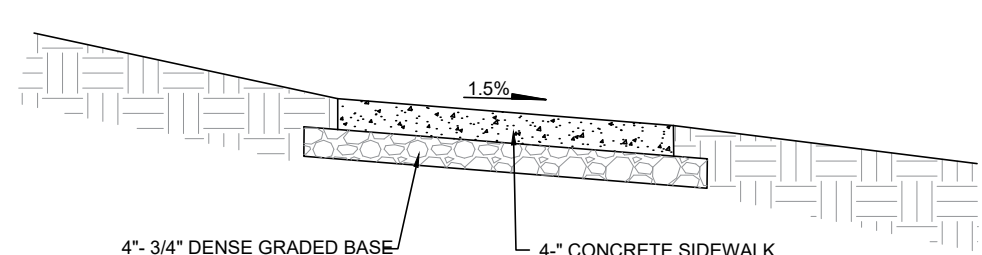
14 18" OGEE MOUNTABLE CURB AND GUTTER

C501



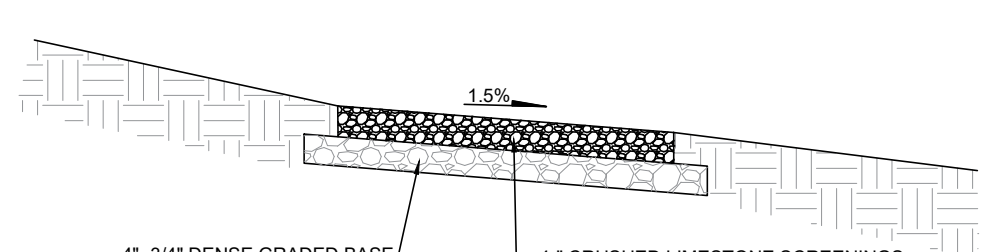
15 12" RIBBON CURB

C501



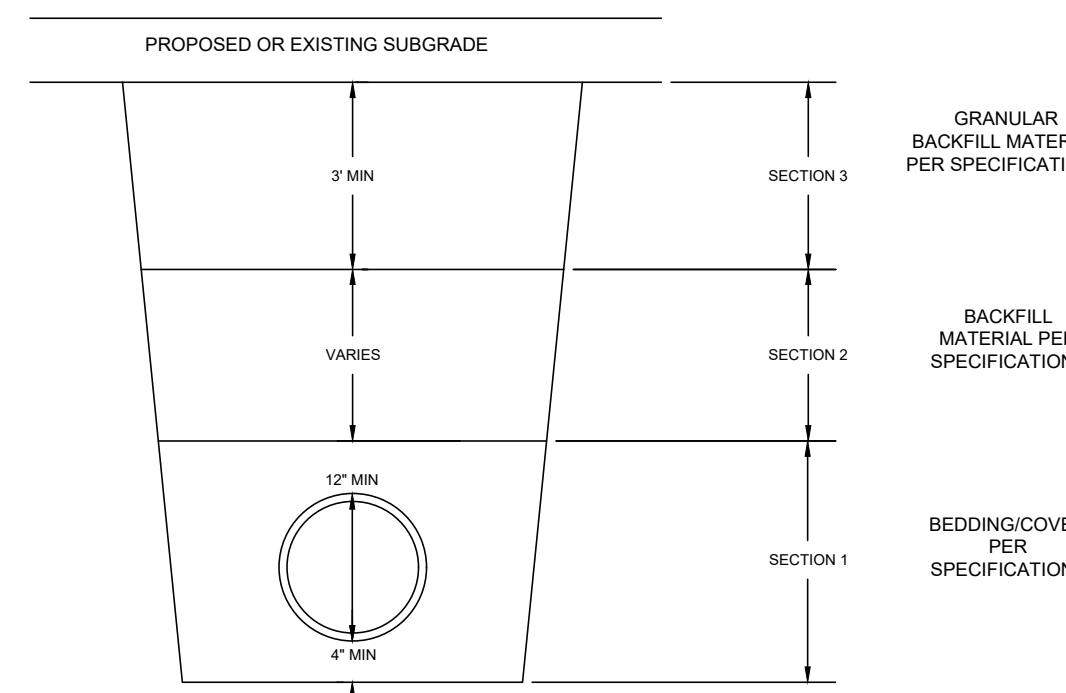
16 CONCRETE SIDEWALK

C501



17 CRUSHED AGGREGATE PATH

C501



STANDARD TRENCH COMPACTION

ALL BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" BEFORE COMPACTION UNLESS AUTHORIZED BY THE ENGINEER DUE TO THE CHARACTER OF THE MATERIAL AND THE COMPACTING EQUIPMENT. EACH LIFT SHALL BE MECHANICALLY COMPACTED TO THE REQUIRED DENSITY PRIOR TO PLACING SUCCEEDING LIFTS OF BACKFILL MATERIAL.

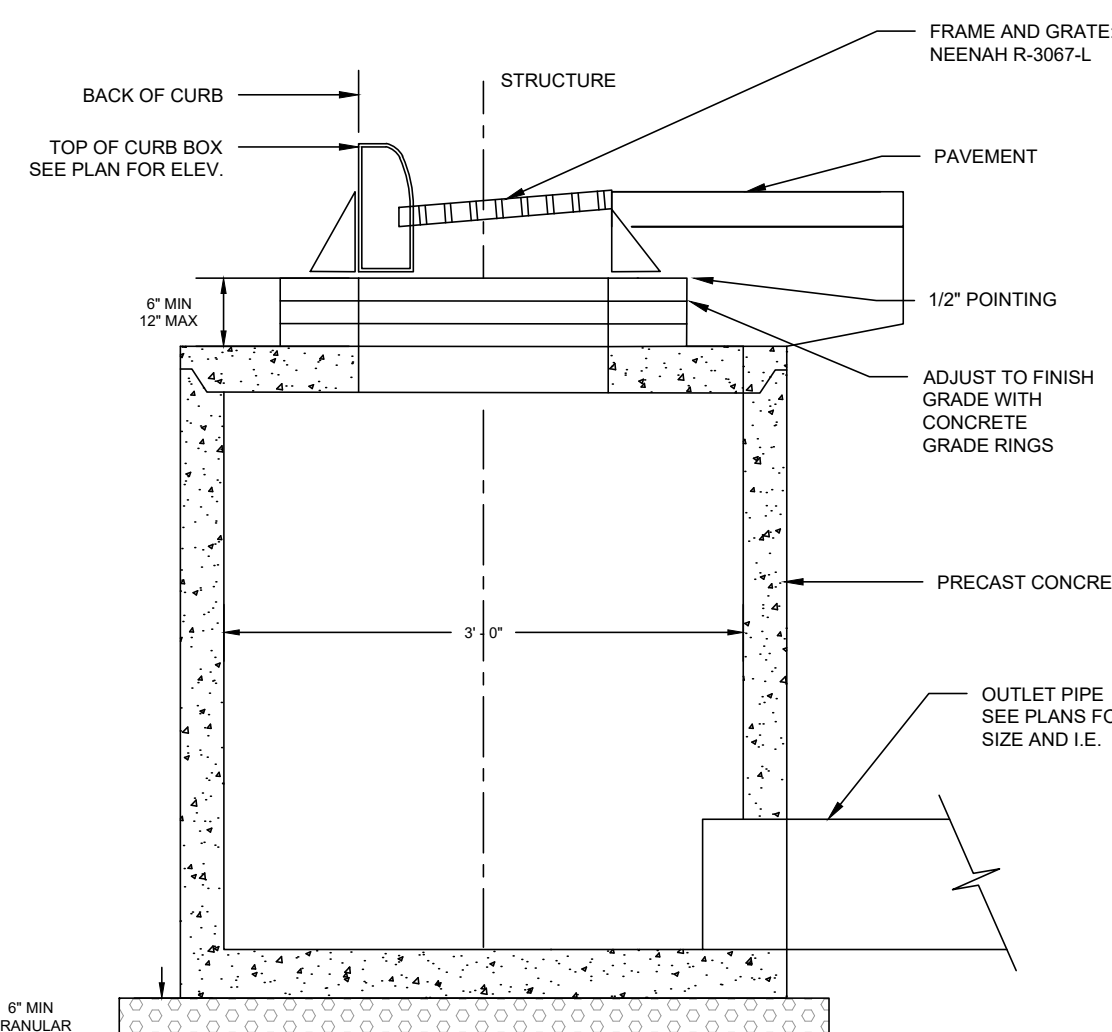
SECTION 1: MECHANICALLY COMPACTED BEDDING AS REQUIRED BY THE SPECIFICATIONS. COMPACTION ACHIEVED WITH SMALLER PLATE COMPACTOR.

SECTION 2: MINIMUM COMPACTION 90% MAXIMUM DENSITY. COMPACTION OF BACKFILL WITH BOMAG OR HOE-PAC SHALL NOT BEGIN UNTIL THE DEPTH OF BACKFILL MATERIAL IS TWO (2) FEET ABOVE THE TOP OF PIPE.

SECTION 3: MINIMUM COMPACTION 95% MAXIMUM DENSITY

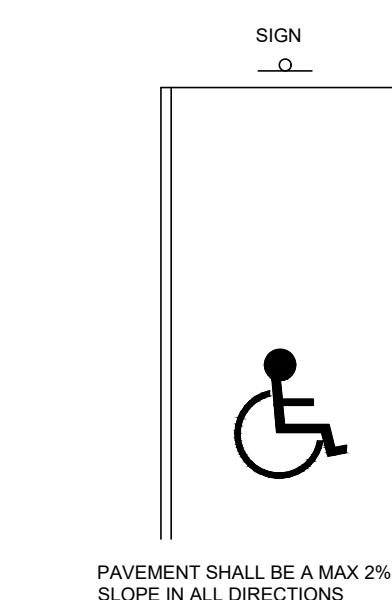
18 SANITARY SEWER AND PLASTIC STORM SEWER

C501



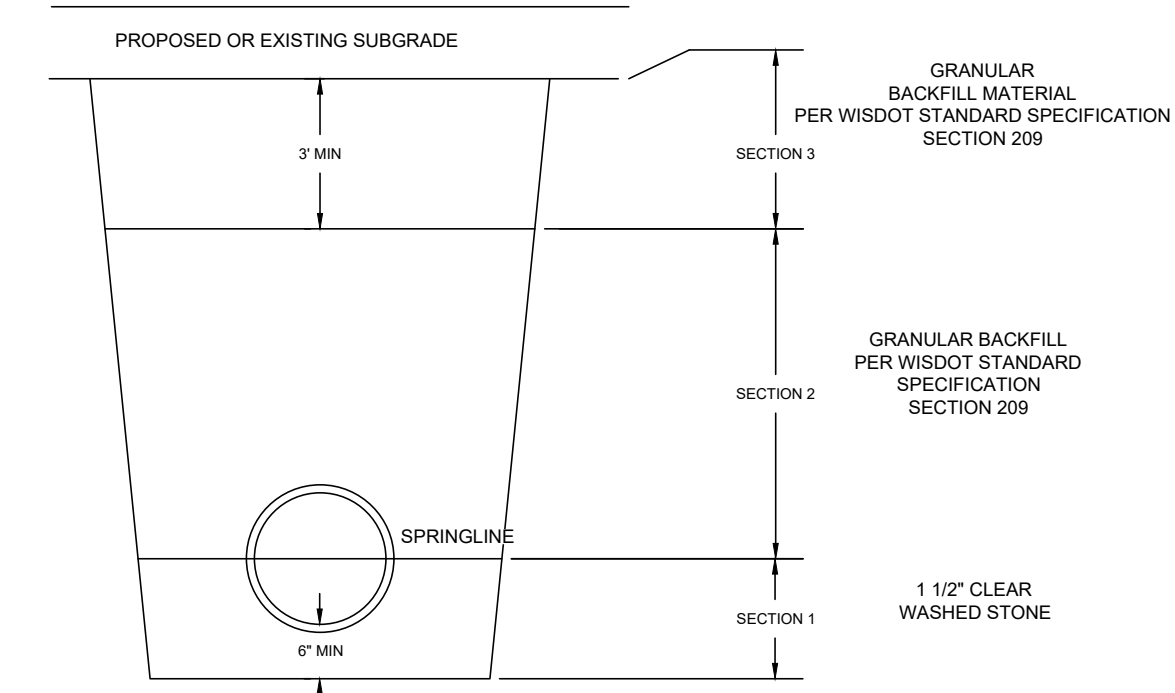
19 STORM INLET

C501



20 ACCESSIBLE PARKING

C501



STANDARD TRENCH COMPACTION

ALL BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" BEFORE COMPACTION UNLESS AUTHORIZED BY THE ENGINEER DUE TO THE CHARACTER OF THE MATERIAL AND THE COMPACTING EQUIPMENT. EACH LIFT SHALL BE MECHANICALLY COMPACTED TO THE REQUIRED DENSITY PRIOR TO PLACING SUCCEEDING LIFTS OF BACKFILL MATERIAL.

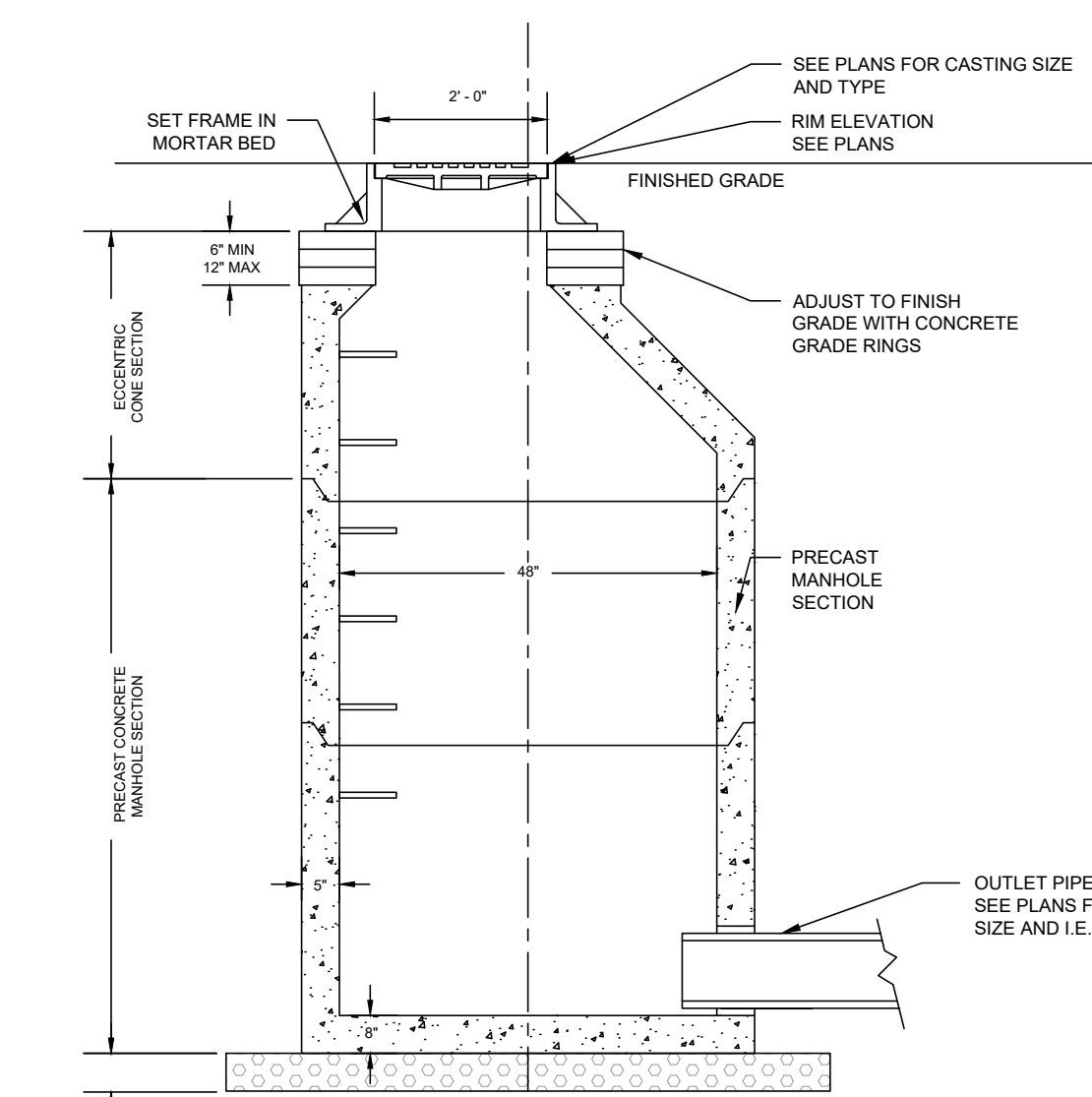
SECTION 1: MINIMUM COMPACTION 95% MAXIMUM DENSITY. COMPACTION OF BACKFILL WITH BOMAG OR HOE-PAC SHALL NOT BEGIN UNTIL THE DEPTH OF BACKFILL MATERIAL IS TWO (2) FEET ABOVE THE TOP OF THE PIPE.

SECTION 2: MINIMUM COMPACTION 90% MAXIMUM DENSITY.

SECTION 3: MINIMUM COMPACTION 95% MAXIMUM DENSITY

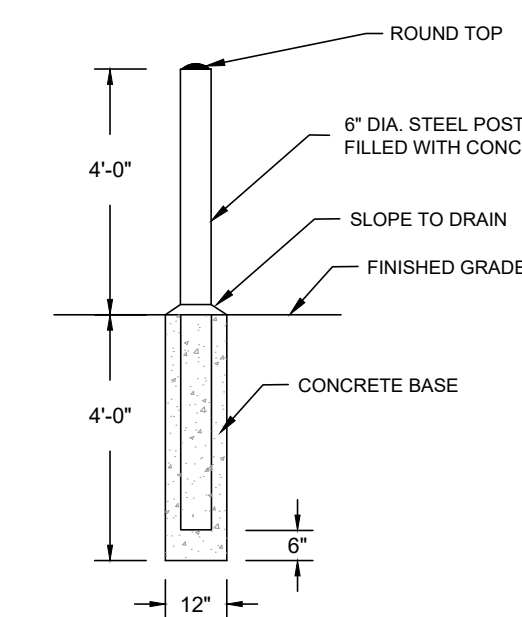
21 RCP STORM SEWER TRENCH

C501



22 CATCH BASIN

C501

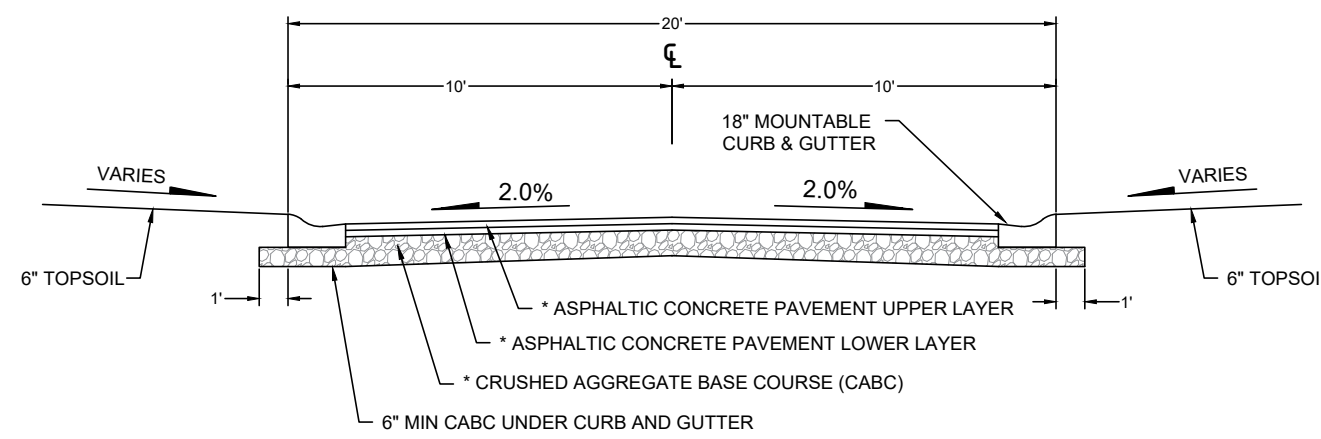


23 CONCRETE FILLED STEEL BOLLARD

C501

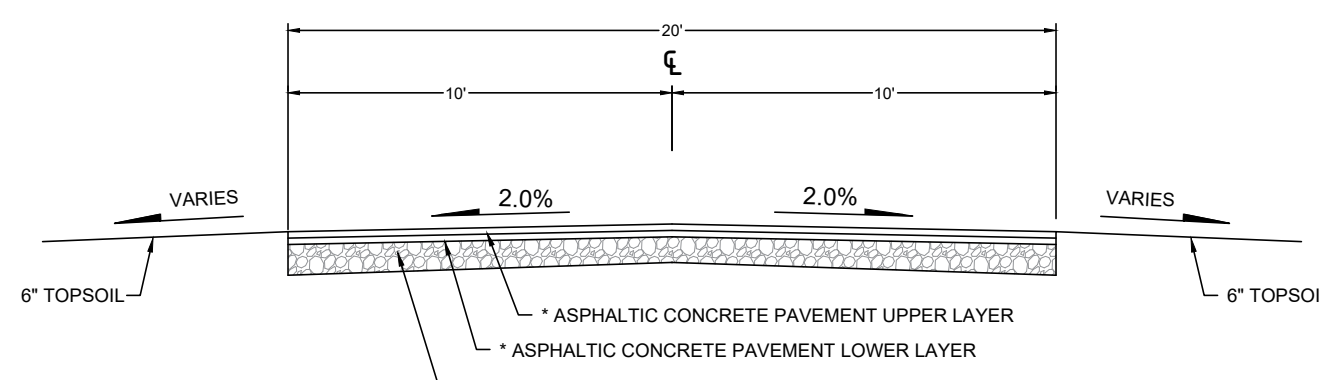
11 EAST DRIVEWAY SECTION (MEDIUM DUTY)

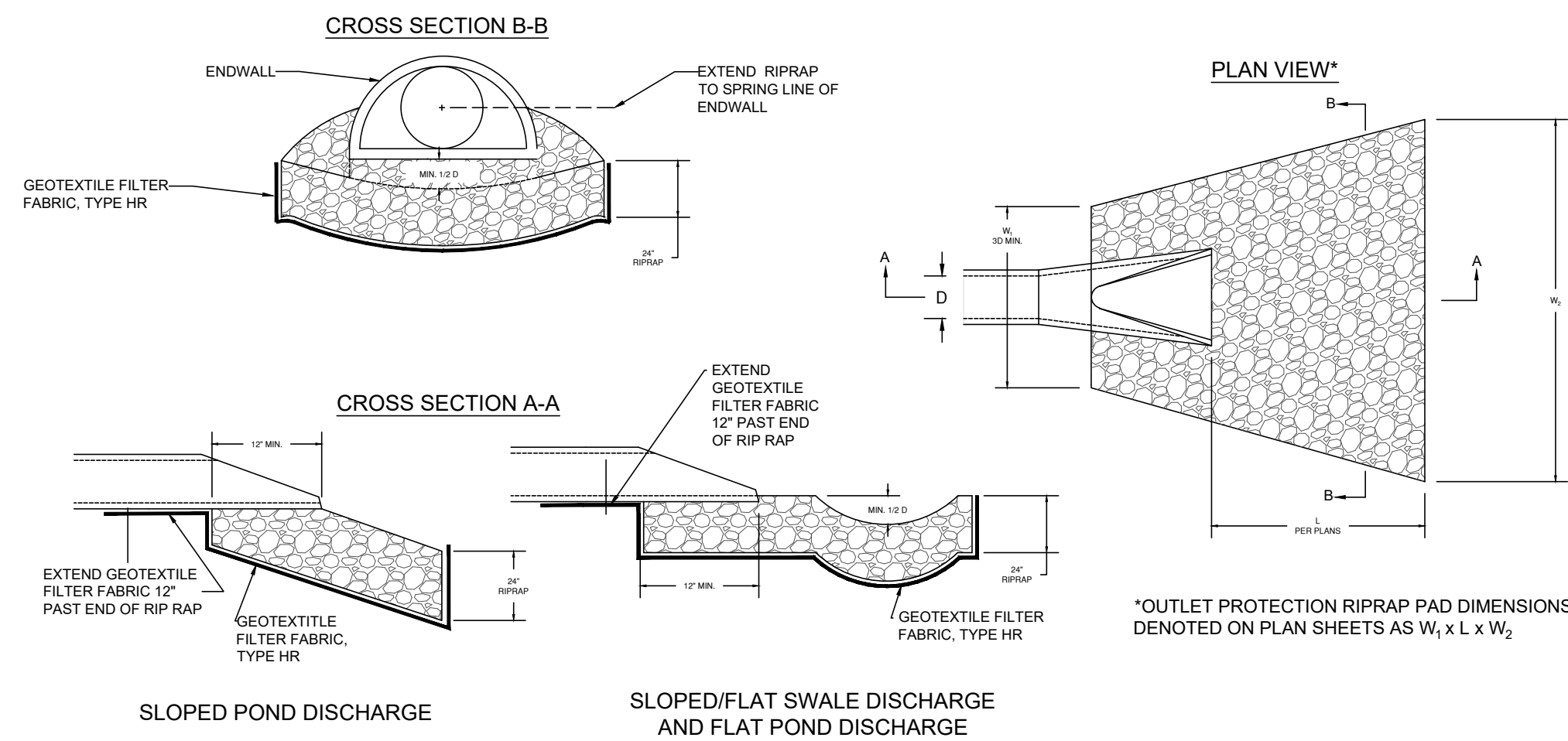
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12 WEST DRIVEWAY SECTION (MEDIUM DUTY)

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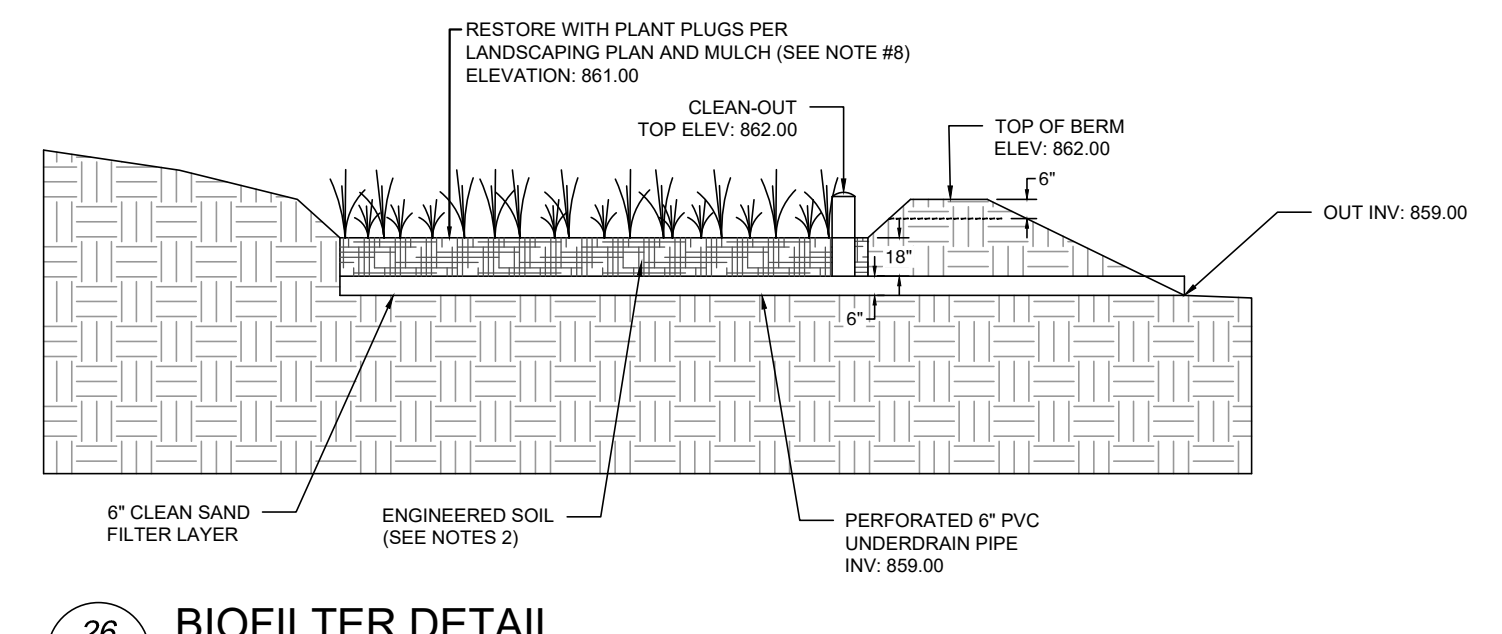




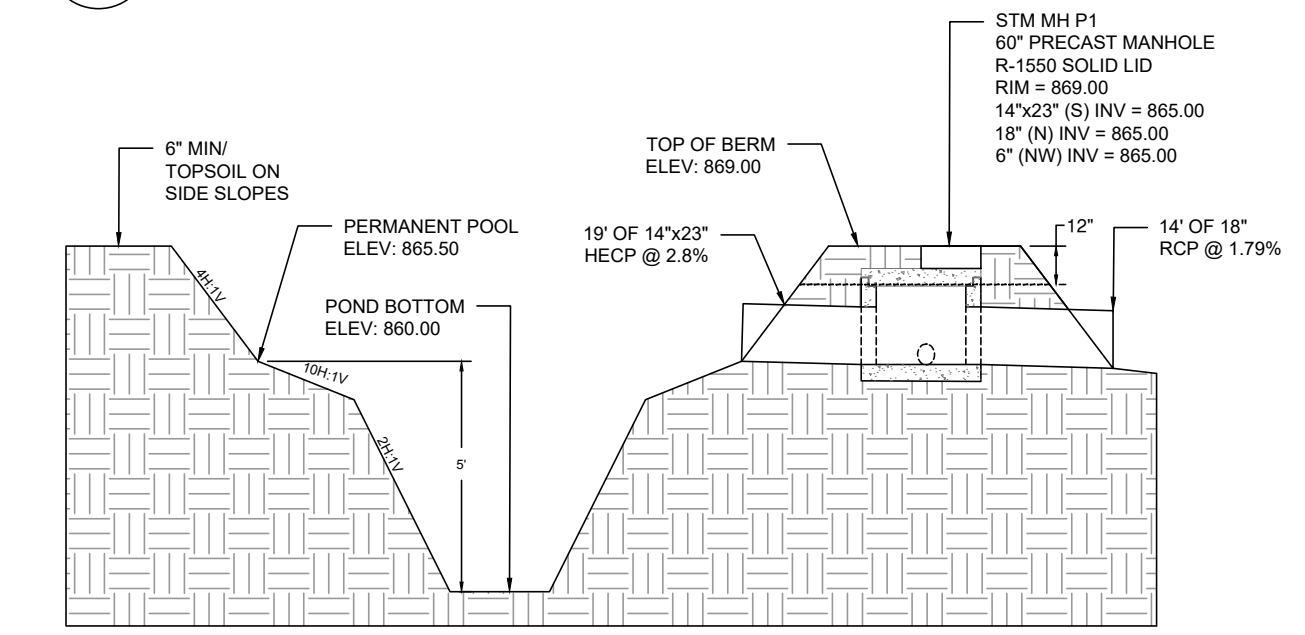
- NOTES:**
- RIPRAP SHALL BE WISDOT SMALL RIP RAP FOR PIPES LESS THAN 12-INCHES IN DIAMETER AND WISDOT MEDIUM RIP RAP FOR PIPES GREATER THAN OR EQUAL TO 12-INCHES IN DIAMETER.
  - RIPRAP SHALL BE INSTALLED PER THE REQUIREMENTS OF "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" (WISDOT, 2019).
  - RIPRAP SHALL BE SHAPED TO CREATE A STILLING BASIN BASIN DEPTH TO BE 1-FOOT BELOW PIPE INVERT FOR PIPES 30-INCH AND LARGER, 0.5-FOOT FOR SMALLER PIPES.
  - INSTALL END SECTION PER CITY OF FITCHBURG STANDARDS. TWO JOINT TIES ARE REQUIRED FOR LAST (DOWNSTREAM) TWO JOINTS ON ANY PIPE ENDING IN AN APRON ENDWALL.
  - RIPRAP SHALL EXTEND TO TOE OF SLOPE MIN.

Pipe Diameter (in)	W <sub>1</sub> x L x W <sub>2</sub> (ft)
<8	1.5 x 3 x 4
12	3 x 4 x 4
15	3.75 x 6 x 5
18	4.5 x 6 x 5
21	5.25 x 6 x 6
24	6 x 7 x 6
30	7.5 x 7 x 7.5
36	9 x 9 x 9
42	10.5 x 9 x 10

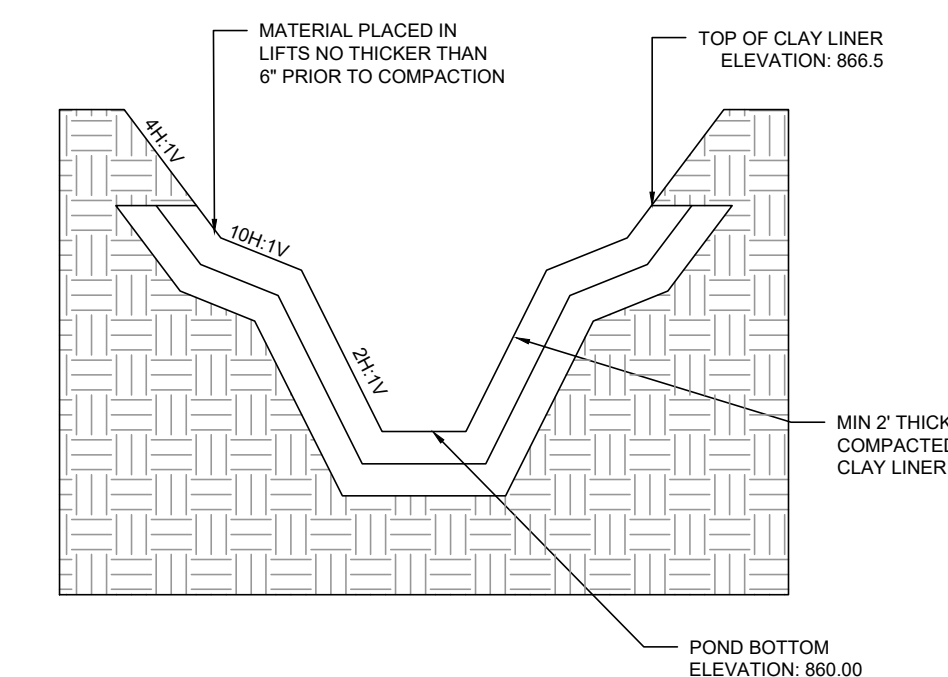
\*OUTLET PROTECTION RIPRAP PAD DIMENSIONS DENOTED ON PLAN SHEETS AS W<sub>1</sub> x L x W<sub>2</sub>



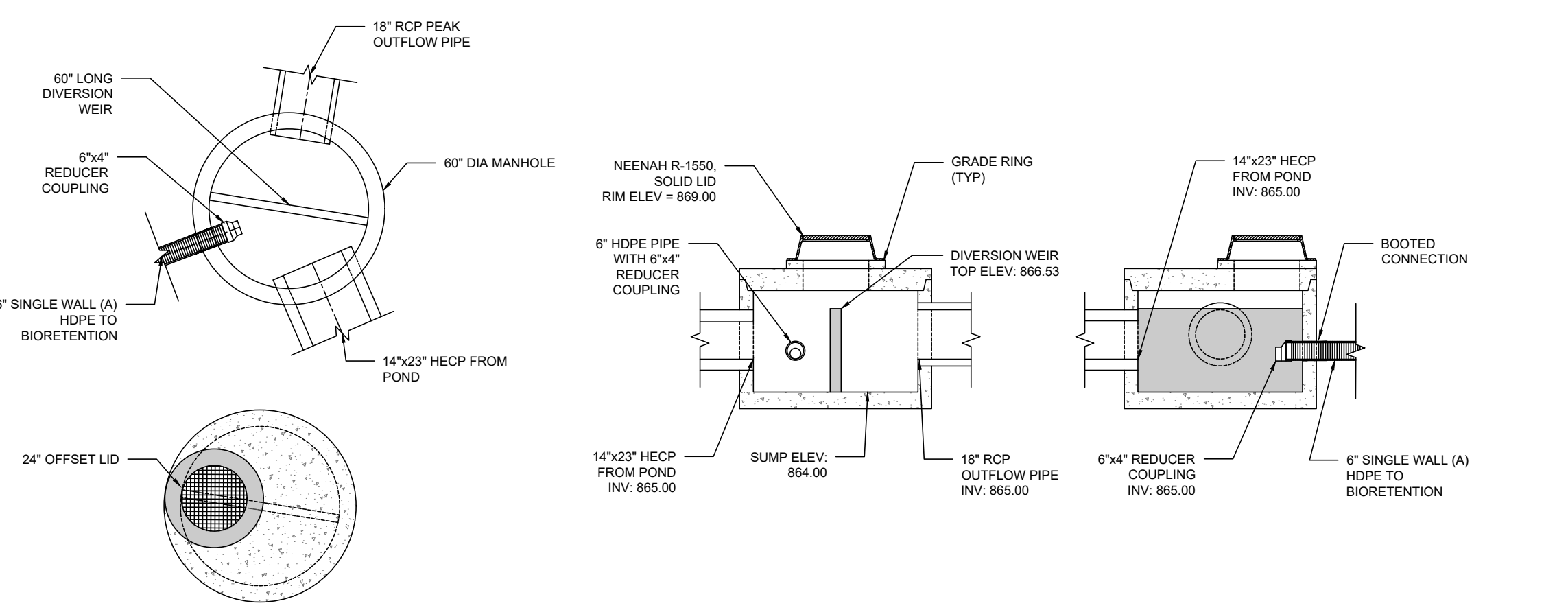
26 BIOFILTER DETAIL



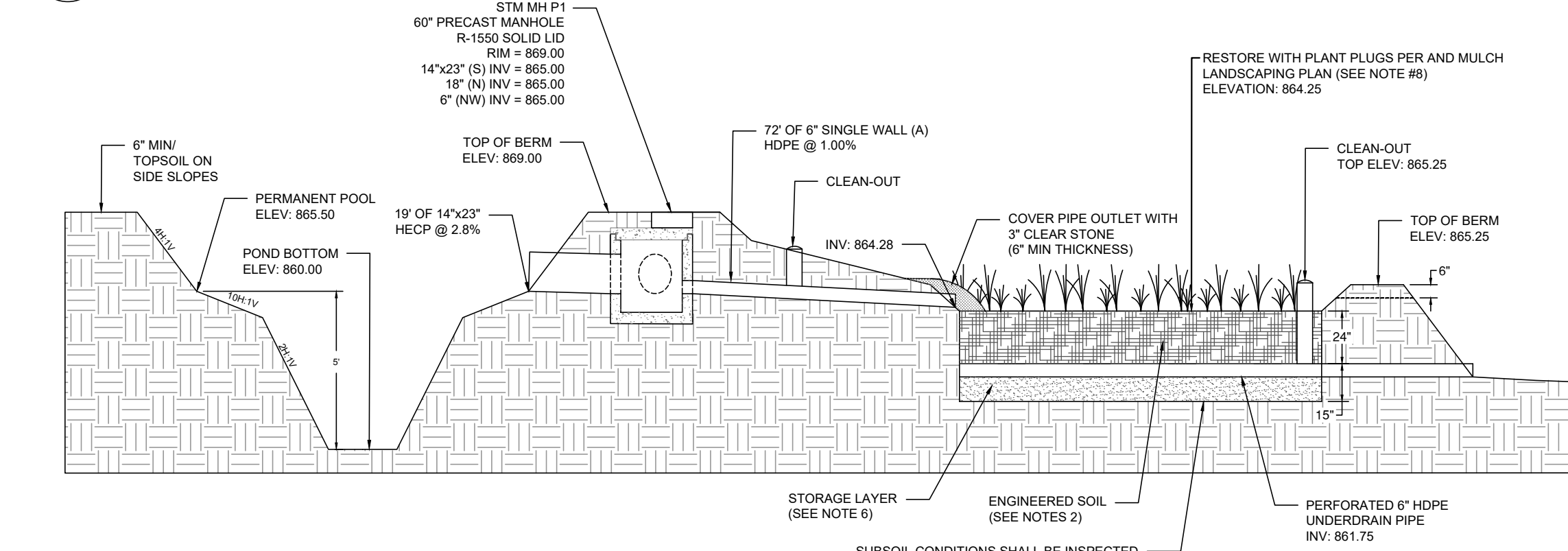
27 WET POND OUTLET DETAIL



28 COMPACTED CLAY LINER DETAIL

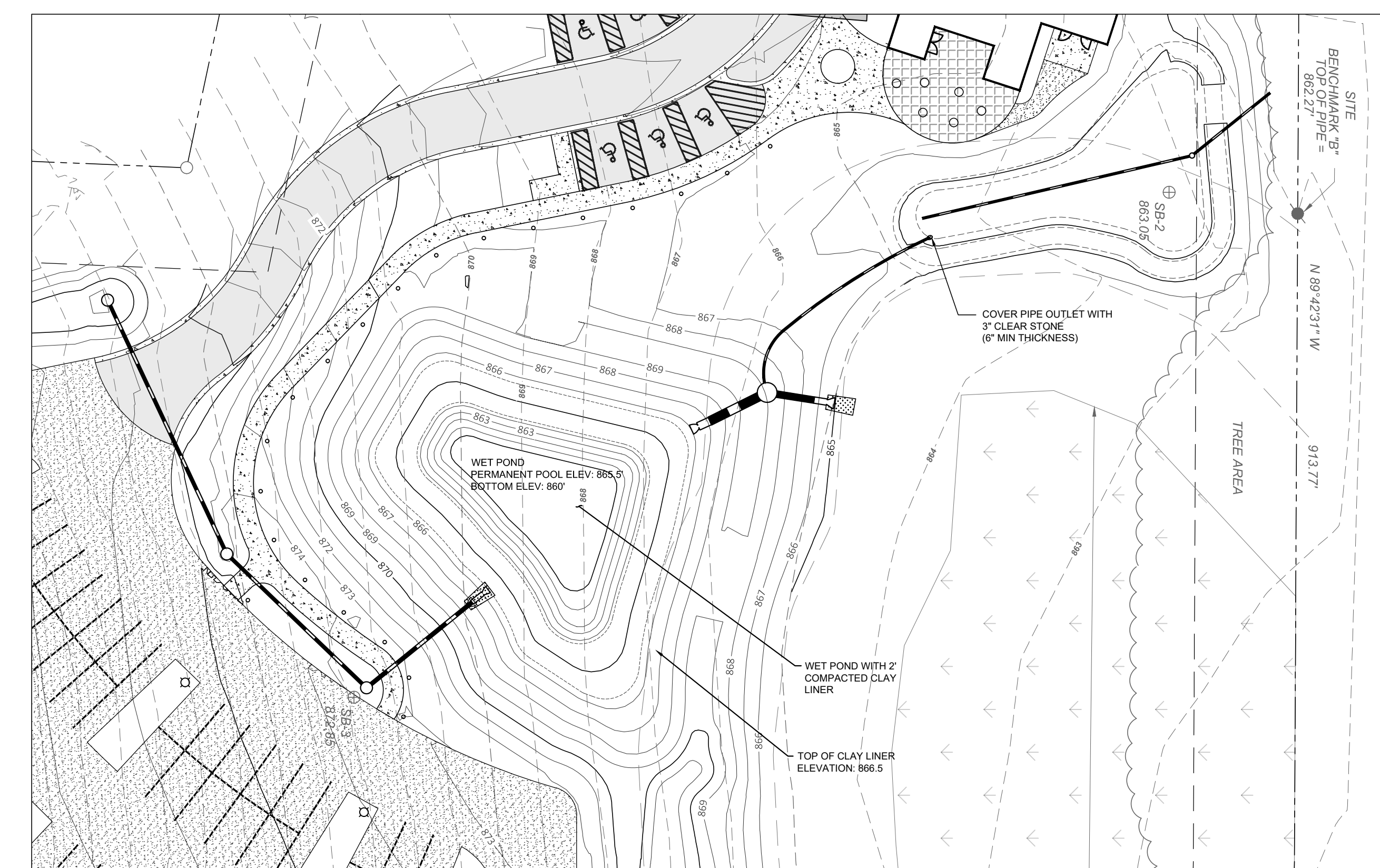


29 WET POND OUTLET DETAIL



30 WET POND AND BIORETENTION DETAIL

24 RIPRAP PAD



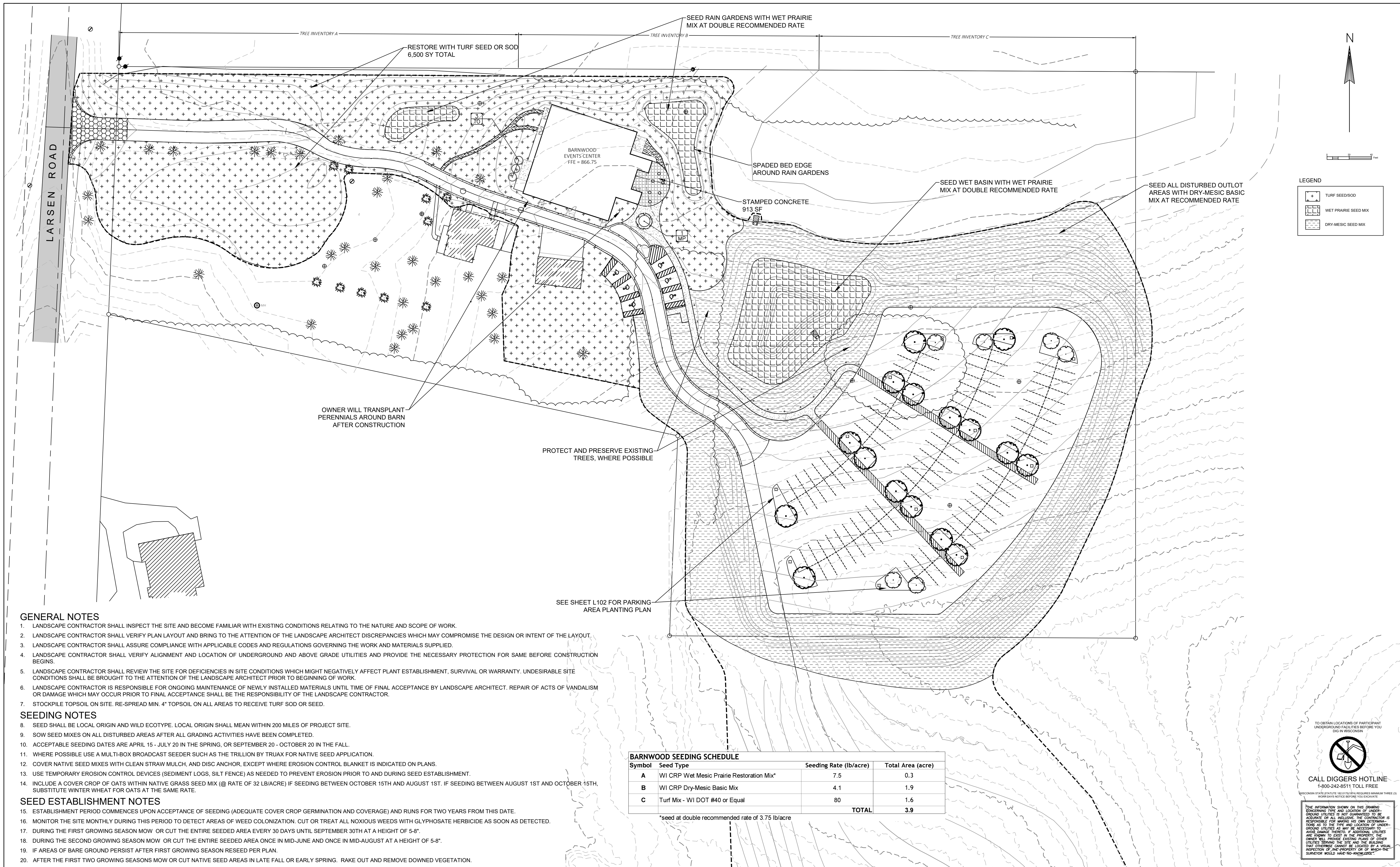
25 WET POND AND BIORETENTION GRADING DETAIL

- STORMWATER NOTES**
- BIORETENTION FACILITIES MAY ACT AS A TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION.
    - GRADE FACILITY TO BOTTOM OF ENGINEERED SOIL MIX, PROVIDING A 3' DEEP SEDIMENT STORAGE SUMP DURING CONSTRUCTION.
    - AFTER PLANT INFRASTRUCTURE CONSTRUCTION IS COMPLETE AND LOTS AND TERRACES ARE RESTORED, REMOVE ACCUMULATED SEDIMENT AND EXCAVATE TO BOTTOM OF PEA GRAVEL LAYER.
    - INSTALL PEA GRAVEL, UNDERDRAIN, ENGINEERED SOIL MIX, AND RESTORE W/ PLUGS.
  - ENGINEERED SOIL SHALL CONSIST OF A MIXTURE OF 70 TO 85% SAND AND 15 TO 30% COMPOST. COMPOST SHALL BE CERTIFIED ACCORDING TO WISDOT SPECIFICATION S100. ENGINEER SHALL APPROVE MATERIAL SOURCE PRIOR TO INSTALLATION.
  - CONSTRUCTION METHODS SHALL FOLLOW WISCONSIN DNR TECHNICAL STANDARD 1004.
  - FILTER FABRIC SHALL BE INSTALLED OVER THE UNDERDRAIN PIPE AND SHALL NOT EXTEND MORE THAN TWO FEET FROM EITHER SIDE OF THE PIPE.
  - ENGINEERED SOIL SHALL BE PRE-MIXED PRIOR TO PLACEMENT AND THE MOISTURE CONTENT SHALL BE LOW TO AVOID COMPACTION AND CLUMPING. THE ENGINEERED SOIL SHALL BE PLACED IN MULTIPLE LIFTS, EACH APPROXIMATELY 12-INCHES IN DEPTH. ENGINEERED SOIL CAN BE CAREFULLY TAPPED WITH A BUCKET OR SIMILAR METHOD TO PROVIDE FIRM SURFACE FOR SEEDING BUT COMPACTION WITH HEAVY EQUIPMENT OR VIBRATING PLATE-STYLE COMPACTORS SHALL NOT BE USED.
  - STORAGE LAYER SHALL BE EITHER SAND OR GRAVEL, IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARD 1004, MEETING THE FOLLOWING REQUIREMENTS:
    - GRAVEL SHALL MEET THE COARSE AGGREGATE #2 AND OTHER SPECIFICATIONS OF WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5. GRAVEL SHALL BE DOUBLE WASHED.
    - SAND MAY BE USED INSTEAD OF GRAVEL. SAND IS REQUIRED TO BE MEET USDA COURSE SAND (0.02 - 0.04 INCHES), ASTM C33 (FINE AGGREGATE CONCRETE SAND), OR WISCONSIN STANDARDS AND SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, SECTION 501.2.5.3.4 (FINE AGGREGATE CONCRETE SAND) 2005 EDITION.
  - SUBSOILS SHALL BE TURNED OVER WITH AN EXCAVATOR TO BREAK UP POTENTIAL SILT SEAMS. SOIL SHOULD BE OVERTURNED TO A DEPTH OF 5 FEET BELOW THE STORAGE LAYER.
  - FINISHED BIORETENTION SURFACE SHALL BE LEVEL WITHIN ±0.1 FEET.
  - CLASS II, TYPE B EROSION CONTROL MAT SHALL BE USED WHEN RESTORING THE FINISHED BIORETENTION DEVICES PER WISCONSIN DNR TECHNICAL STANDARD 1004. MAT SHALL BE OVERLAPPED AND ANCHORED WITH BIODEGRADABLE STAPLES (6 INCHES OR LONGER TO HOLD THE MAT TO THE MEDIA.)
  - BIORETENTION AREAS ARE TO BE RESTORED WITH TEMPORARY SEED AND MAT ONCE ENGINEERED SOIL HAS BEEN INSTALLED. LANDSCAPER SHALL PROVIDE FINAL RESTORATION WITH PLANT PLUGS.
  - IF AT ANY TIME DURING CONSTRUCTION OF THE BIORETENTION AREA, THE CONTRACTOR COMPACTS THE BIORETENTION AREA BEYOND THE ENGINEER'S SPECIFICATION, THE CONTRACTOR SHALL REWORK, REPLACE, AND/OR REPAIR THE INFILTRATION AREA TO THE ENGINEER'S APPROVAL.
  - WET DETENTION PONDS SHALL BE SEEDED ACCORDING TO THE LANDSCAPE PLANS.
  - CLAY LINER CRITERIA
    - 50% FINES (200 SIEVE) OR MORE.
    - AN IN-PLACE HYDRAULIC CONDUCTIVITY OF 1 X 10<sup>-6</sup> CM/SEC. OR LESS.
    - AVERAGE LIQUID LIMIT VALUE OF 16 OR GREATER, WITH NO VALUE LESS THAN 14.
    - AVERAGE PI OF 7 OR MORE WITH NO VALUES LESS THAN 5.
    - CLAY COMPACTION AND DOCUMENTATION AS SPECIFIED IN NRCS WISCONSIN CONSTRUCTION SPECIFICATION 204, EARTH FILL FOR WASTE STORAGE FACILITIES.
    - MINIMUM THICKNESS OF TWO FEET.
  - A CLAY LINER SHALL BE INSTALLED AS DESIGNATED ON THE DRAWINGS. THIS WORK SHALL CONSIST OF CONSTRUCTING AN IMPERMEABLE EARTH LINER FOR THE INSIDE SLOPES AND THE BOTTOM OF THE EARTHEN BASIN TO THE THICKNESS SHOWN ON THE DRAWINGS. ONLY SOILS APPROVED BY THE TECHNICIAN WILL BE USED.
  - THE LINER FILL SHALL BE PLACED IN LAYERS WITH A MAXIMUM THICKNESS OF 6 INCHES PRIOR TO COMPACTION. THE LINER MATERIAL SHALL BE DISKED OR WORKED IN SUCH A MANNER AS TO OBTAIN A MAXIMUM CLOD SIZE OF 4 INCHES PRIOR TO COMPACTION. EACH LAYER SHALL BE COMPACTED BY A MINIMUM OF ONE PASS OVER THE ENTIRE SURFACE OF THE FILL BY A FULLY-LOADED RUBBER-TIRED FRONT END LOADER OR SCRAPER OR A SHEEPSFOOT OR TAMPING ROLLER. SMOOTH DRUM ROLLERS ARE NOT SUITABLE FOR COMPACTION OF CLAY LINERS. OPERATION OF THE COMPACTION EQUIPMENT WILL BE CONTINUOUS OVER THE ENTIRE AREA DURING FILL OPERATIONS. ANY LINER AREA DISTURBED BY SUBSEQUENT CONSTRUCTION OPERATIONS WILL BE SCARIFIED AND RECOMPACTED AS SPECIFIED.



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**GENERAL NOTES**

1. LANDSCAPE CONTRACTOR SHALL INSPECT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS RELATING TO THE NATURE AND SCOPE OF WORK.
2. LANDSCAPE CONTRACTOR SHALL VERIFY PLAN LAYOUT AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN OR INTENT OF THE LAYOUT.
3. LANDSCAPE CONTRACTOR SHALL ASSURE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK AND MATERIALS SUPPLIED.
4. LANDSCAPE CONTRACTOR SHALL VERIFY ALIGNMENT AND LOCATION OF UNDERGROUND AND ABOVE GRADE UTILITIES AND PROVIDE THE NECESSARY PROTECTION FOR SAME BEFORE CONSTRUCTION BEGINS.
5. LANDSCAPE CONTRACTOR SHALL REVIEW THE SITE FOR DEFICIENCIES IN SITE CONDITIONS WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL OR WARRANTY. UNDESIRABLE SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK.
6. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ONGOING MAINTENANCE OF NEWLY INSTALLED MATERIALS UNTIL TIME OF FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT. REPAIR OF ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO FINAL ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
7. STOCKPILE TOPSOIL ON SITE. RE-SPREAD MIN. 4" TOPSOIL ON ALL AREAS TO RECEIVE TURF SOD OR SEED.

**SEEDING NOTES**

8. SEED SHALL BE LOCAL ORIGIN AND WILD ECOTYPE. LOCAL ORIGIN SHALL MEAN WITHIN 200 MILES OF PROJECT SITE.
9. SOW SEED MIXES ON ALL DISTURBED AREAS AFTER ALL GRADING ACTIVITIES HAVE BEEN COMPLETED.
10. ACCEPTABLE SEEDING DATES ARE APRIL 15 - JULY 20 IN THE SPRING, OR SEPTEMBER 20 - OCTOBER 20 IN THE FALL.
11. WHERE POSSIBLE USE A MULTI-BOX BROADCAST SEEDER SUCH AS THE TRILLION BY TRUAX FOR NATIVE SEED APPLICATION.
12. COVER NATIVE SEED MIXES WITH CLEAN STRAW MULCH, AND DISC ANCHOR, EXCEPT WHERE EROSION CONTROL BLANKET IS INDICATED ON PLANS.
13. USE TEMPORARY EROSION CONTROL DEVICES (SEDIMENT LOGS, SILT FENCE) AS NEEDED TO PREVENT EROSION PRIOR TO AND DURING SEED ESTABLISHMENT.
14. INCLUDE A COVER CROP OF OATS WITHIN NATIVE GRASS SEED MIX (@ RATE OF 32 LB/ACRE) IF SEEDING BETWEEN OCTOBER 15TH AND AUGUST 1ST. IF SEEDING BETWEEN AUGUST 1ST AND OCTOBER 15TH, SUBSTITUTE WINTER WHEAT FOR OATS AT THE SAME RATE.

**SEED ESTABLISHMENT NOTES**

15. ESTABLISHMENT PERIOD COMMENCES UPON ACCEPTANCE OF SEEDING (ADEQUATE COVER CROP GERMINATION AND COVERAGE) AND RUNS FOR TWO YEARS FROM THIS DATE.
16. MONITOR THE SITE MONTHLY DURING THIS PERIOD TO DETECT AREAS OF WEED COLONIZATION. CUT OR TREAT ALL NOXIOUS WEEDS WITH GLYPHOSATE HERBICIDE AS SOON AS DETECTED.
17. DURING THE FIRST GROWING SEASON MOW OR CUT THE ENTIRE SEEDED AREA EVERY 30 DAYS UNTIL SEPTEMBER 30TH AT A HEIGHT OF 5-8".
18. DURING THE SECOND GROWING SEASON MOW OR CUT THE ENTIRE SEEDED AREA ONCE IN MID-JUNE AND ONCE IN MID-AUGUST AT A HEIGHT OF 5-8".
19. IF AREAS OF BARE GROUND PERSIST AFTER FIRST GROWING SEASON RESEED PER PLAN.
20. AFTER THE FIRST TWO GROWING SEASONS MOW OR CUT NATIVE SEED AREAS IN LATE FALL OR EARLY SPRING. RAKE OUT AND REMOVE DOWNED VEGETATION.

**BARNWOOD SEEDING SCHEDULE**

Symbol	Seed Type	Seeding Rate (lb/acre)	Total Area (acre)
A	WI CRP Wet Mesic Prairie Restoration Mix*	7.5	0.3
B	WI CRP Dry-Mesic Basic Mix	4.1	1.9
C	Turf Mix - WI DOT #40 or Equal	80	1.6
		<b>TOTAL</b>	<b>3.9</b>

\*seed at double recommended rate of 3.75 lb/acre

**LEGEND**

- TURF SEED/SOD
- WET PRAIRIE SEED MIX
- DRY-MESIC SEED MIX

TO OBTAIN LOCATIONS OF PARTICIPANT UNDERGROUND UTILITIES BEFORE YOU DIG IN WISCONSIN

**CALL DIGGERS HOTLINE**  
1-800-242-8511 TOLL FREE

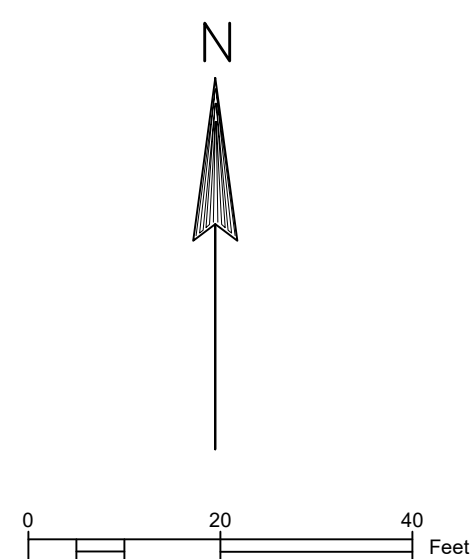
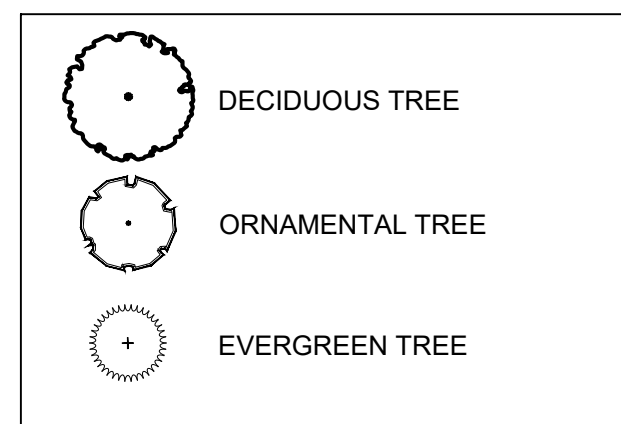
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Deciduous Tree Planting Schedule						
Symbol	Quantity	Scientific Name	Common Name	Size	Cont.	Type
AR	6	<i>Acer rubrum</i> 'Franksred'	Red Sunset Maple	1.5"	B&B	Single Stem
AS	2	<i>Acer saccharum</i> 'Jefcan'	Unity Sugar Maple	1.5"	B&B	Single Stem
GT	2	<i>Gleditsia triacanthos</i> var. <i>inermis</i> 'Skycole'	Skyline Honeylocust	1.5"	B&B	Single Stem
MP	6	<i>Malus</i> spp.	Crabapple	1.5"	B&B	Single Stem
QA	6	<i>Quercus rubra</i>	Red Oak	1.5"	B&B	Single Stem
	22	<b>Tree Total</b>				


Coniferous Tree Planting Schedule						
Symbol	Quantity	Scientific Name	Common Name	Size	Cont.	Type
TO	3	<i>Thuja occidentalis</i> 'Techny'	Techny Arborvitae	#10	Cont.	Single Stem
	3	<b>Tree Total</b>				

LEGEND

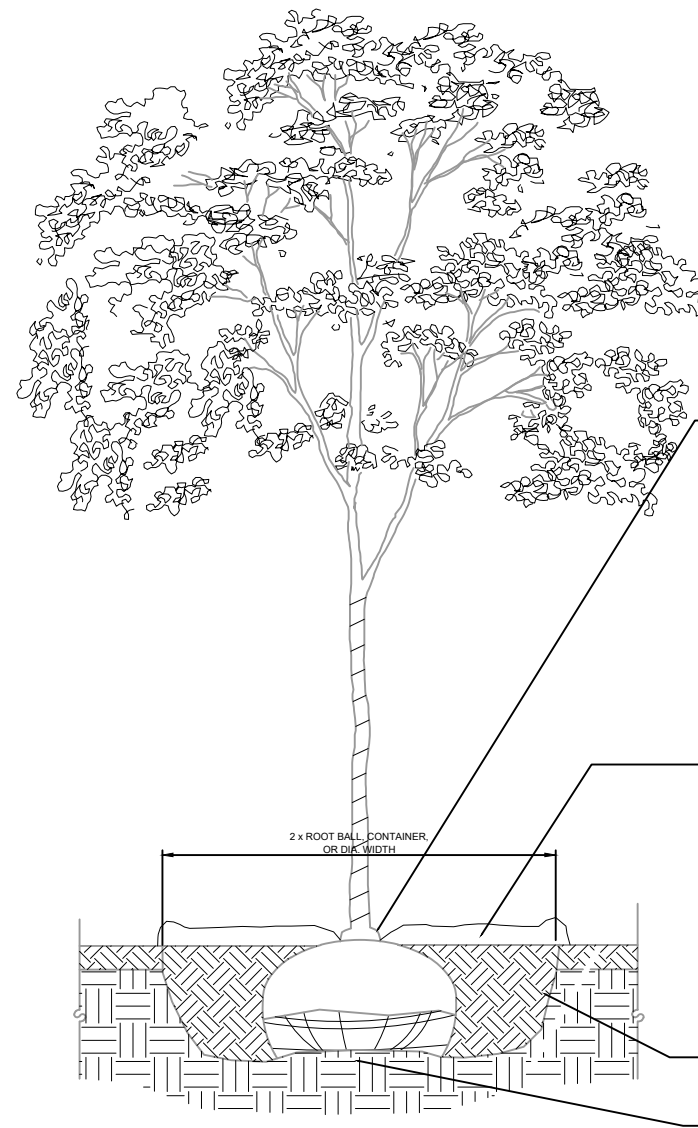


30' SIDE YARD SETBACK

PARKING LOT ISLANDS TO BE COVERED WITH 2" DEPTH CHIPPED ROCK MULCH OVER WEED BARRIER FABRIC

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THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL TREES IN A PLUMB POSITION THROUGH THE WARRANTY PERIOD. STAKING IS NOT PERMITTED.

PRUNE DAMAGED AND CROSSING BRANCHES AFTER PLANTING IS COMPLETE. REMOVE ALL FLAGGING AND LABELING FROM TREE.

WATER TREE THOROUGHLY DURING PLANTING OPERATIONS. PLACE BACKFILL IN 8-12" LIFTS AND SATURATE SOIL WITH WATER. DO NOT COMPACT MORE THAN NECESSARY TO MAINTAIN PLUMB. CREATE A SHALLOW RING DEPRESSION AROUND TREE TO RETAIN WATER.

PLANTS SHOULD BE AT THE PROPER DEPTH WHEREBY THE BEGINNING TAPER OF THE ROOT FLARE IS AT THE SAME ELEVATION AS THE FINISHED SOIL GRADE. THIS SHOULD BE THE SAME DEPTH AS THE PLANTS WERE GROWN AT IN THE NURSERY. NOTE THAT THE ROOTS OF BALLED AND BURLAPPED PLANTS ARE UNACCEPTABLE WHEN THEY ARE COVERED BY MORE THAN 4" OF SOIL IN THE TOP OF THE BALL.

MULCH - 3" DEEP - SHREDDED HARD WOOD SHALL BE SUBSTANTIALLY FREE OF MOLD, DIRT, SAWDUST, AND FOREIGN MATTERIAL AND SHALL NOT BE IN AN ADVANCED STATE OF DECOMPOSITION. THE MATERIAL SHALL PASS A 4 INCH SCREEN AND NOT MORE THAN 20 PERCENT BY MASS OF THE MATERIAL SHALL PASS A .1 INCH SIEVE. MAX. LENGTH OF INDIVIDUAL PIECES NOT TO EXCEED 20 INCHES. NO MULCH TO LAY AGAINST COLLAR.

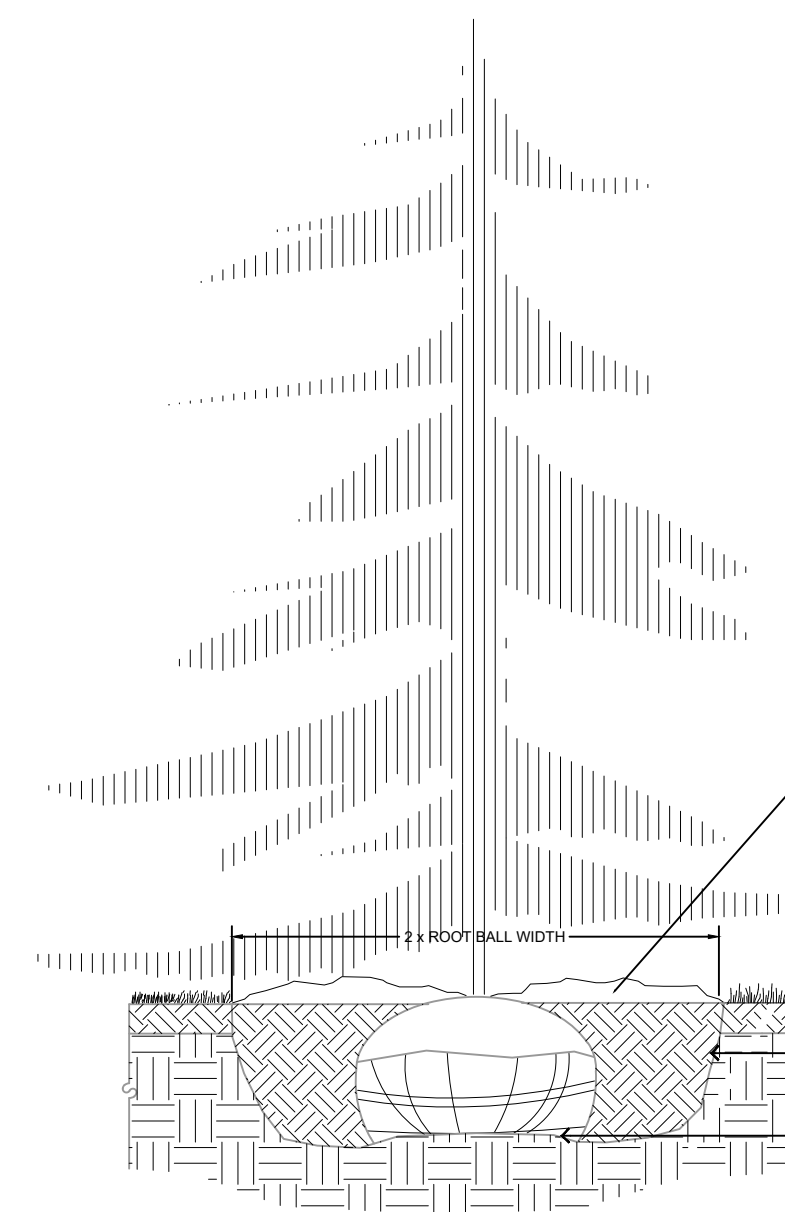
PLANTING SOIL  
SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO PLANTING

ROOT BALL SET ON MOUNDED SUBGRADE

PROVIDE RODENT PROTECTION ON ALL DECIDUOUS TREES UNLESS OTHERWISE SPECIFIED.

ROOT BOUND CONTAINER TREES TO BE SCARIFIED ON THE SIDES AND BOTTOM.

**01**  
L501 **DECIDUOUS TREE PLANTING DETAIL**  
NO SCALE



THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL TREES IN A PLUMB POSITION THROUGH THE WARRANTY PERIOD. STAKING IS NOT PERMITTED.

PRUNE ANY DAMAGED BRANCHES AFTER PLANTING IS COMPLETE.

REMOVE ALL FLAGGING AND LABELING FROM TREE.

WATER TREE THOROUGHLY DURING PLANTING OPERATIONS. PLACE BACKFILL IN 8-12" LIFTS AND SATURATE SOIL WITH WATER. DO NOT COMPACT MORE THAN NECESSARY TO MAINTAIN PLUMB.

MULCH - 3" DEEP - SHREDDED HARD WOOD SHALL BE SUBSTANTIALLY FREE OF MOLD, DIRT, SAWDUST, AND FOREIGN MATERIAL AND SHALL NOT BE IN AN ADVANCED STATE OF DECOMPOSITION. THE MATERIAL SHALL PASS A 4 INCH SCREEN AND NOT MORE THAN 20 PERCENT BY MASS OF THE MATERIAL SHALL PASS A .1 INCH SIEVE. MAX. LENGTH OF INDIVIDUAL PIECES NOT TO EXCEED 20 INCHES. NO MULCH TO LAY AGAINST COLLAR.

PLANTING SOIL  
SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO PLANTING

ROOT BALL SET ON MOUNDED SUBGRADE

**02**  
L501 **CONIFEROUS TREE PLANTING DETAIL**  
NO SCALE

**PLANTING NOTES**

- NO PLANTS WILL BE INSTALLED UNTIL FINAL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- IMPORT 12" PLANTING SOIL TO ALL PLANTING BEDS.
- PROPOSED PLANT MATERIAL SHALL COMPLY WITH THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1. UNLESS NOTED OTHERWISE, DECIDUOUS SHRUBS SHALL HAVE AT LEAST 5 CANES AT THE SPECIFIED HEIGHT. ORNAMENTAL TREES SHALL HAVE NO 'V' CROTCHES AND SHALL BEGIN BRANCHING NO LOWER THAN 3' FEET ABOVE THE ROOT BALL. STREET AND BOULEVARD TREES SHALL BEGIN BRANCHING NO LOWER THAN 6' ABOVE PAVED SURFACE.
- PLANT SYMBOLS ON PLAN DRAWING TAKES PRECEDENCE OVER PLANT SCHEDULE IF DISCREPANCIES IN QUANTITIES EXIST. SPECIFICATIONS AND DETAILS TAKE PRECEDENCE OVER NOTES.
- NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL IS GRANTED BY THE LANDSCAPE ARCHITECT TO THE LANDSCAPE CONTRACTOR.
- ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN FIELD. LANDSCAPE ARCHITECT MUST BE NOTIFIED PRIOR TO ADJUSTMENT OF PLANTS.
- PLANT MATERIALS TO BE INSTALLED PER PLANTING DETAILS.
- MULCH ALL LANDSCAPE BEDS WITH 3" DEPTH DOUBLE-SHREDDED HARDWOOD MULCH.
- MULCH LANDSCAPE ISLANDS IN PARKING LOT WITH 2" DEPTH CHIPPED ROCK MULCH OVER WEED BARRIER FABRIC.
- WATER ALL PLANT MATERIAL WITHIN 2 HOURS OF PLANTING. APPLY ENOUGH WATER TO THOROUGHLY SATURATE ALL PLANTING SOIL.
- LANDSCAPE CONTRACTOR SHALL WARRANTY NEW PLANT MATERIAL THROUGH ONE (1) CALENDAR YEAR FROM THE DATE OF FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.

**TURF NOTES**

- SOD ALL AREAS DISTURBED PER PLAN.
- WHERE SOD ABUTS PAVED SURFACES, FINISHED GRADE OF SOD SHALL BE HELD 1.5" BELOW SURFACE ELEVATION OF SLAB.
- SOD SHALL BE LAID PARALLEL TO THE CONTOURS AND SHALL HAVE STAGGERED JOINTS. ON SLOPES 3:1 OR STEEPER OR IN DRAINAGE SWALES, SOD SHALL BE STAKED SECURELY. STAKE SOD SECURELY OVER TURF REINFORCEMENT MAT OVERFLOWS.
- WATER SOD REGULARLY FOR A MINIMUM OF 30 DAYS, SUFFICIENTLY TO ENSURE ESTABLISHMENT OF PERMANENT VEGETATION. IN THE ABSENCE OF RAIN THIS MEANS A MINIMUM OF .75" AND A MAXIMUM OF 1.0" OF WATER PER SQUARE FOOT PER DAY. CONTRACTOR TO PROVIDE 30 DAY WARRANTY ON ALL SOD.

Parking Area Calculations	
Total Parking Area	SF 57,677
Parking Landscape Islands	5,064
% of total	8.78%

**TREE INVENTORY**

EXISTING TREE INVENTORY ALONG NORTH PROPERTY LINE

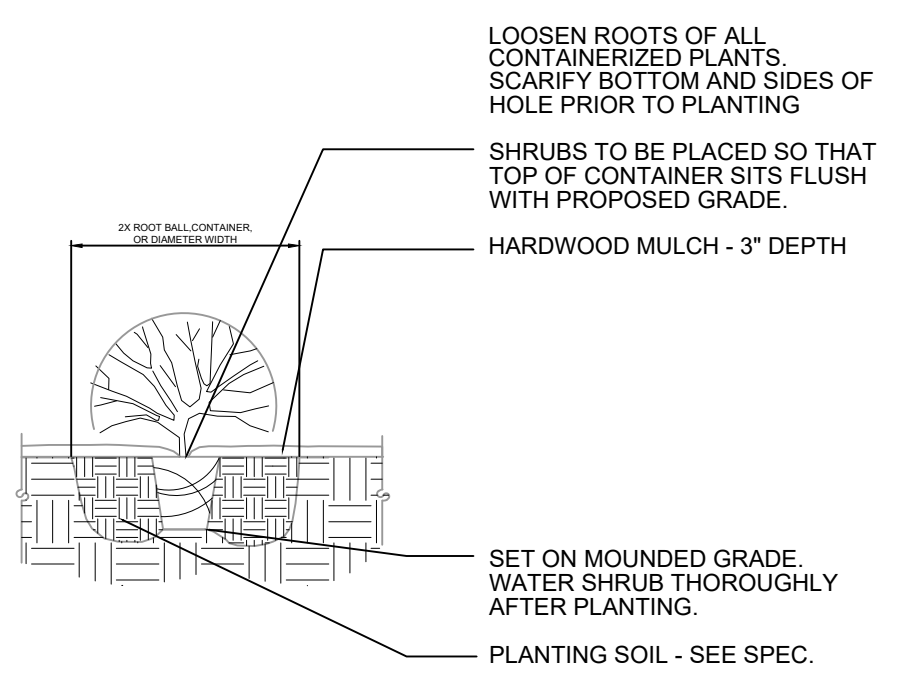
**AREA A**  
MIX OF APPROX 15 Y.O. TREES AND YOUNG RED OAKS

- RED OAK: 14
- BLACK WALNUT: 8
- SUGAR MAPLE: 2
- RED PINE: 1
- WHITE PINE: 1
- WHITE SPRUCE: 1
- BUR OAK: 3

**AREA B**  
MATURE STOCK OF TREES

- BURR OAK: 6
- WHITE CEDAR: 1
- BLACK CHERRY: 8

**AREA C**  
MATURE STOCK OF HARDWOODS AND CONIFERS. 275 NEW PLANTINGS.



LOOSEN ROOTS OF ALL CONTAINERIZED PLANTS. SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO PLANTING

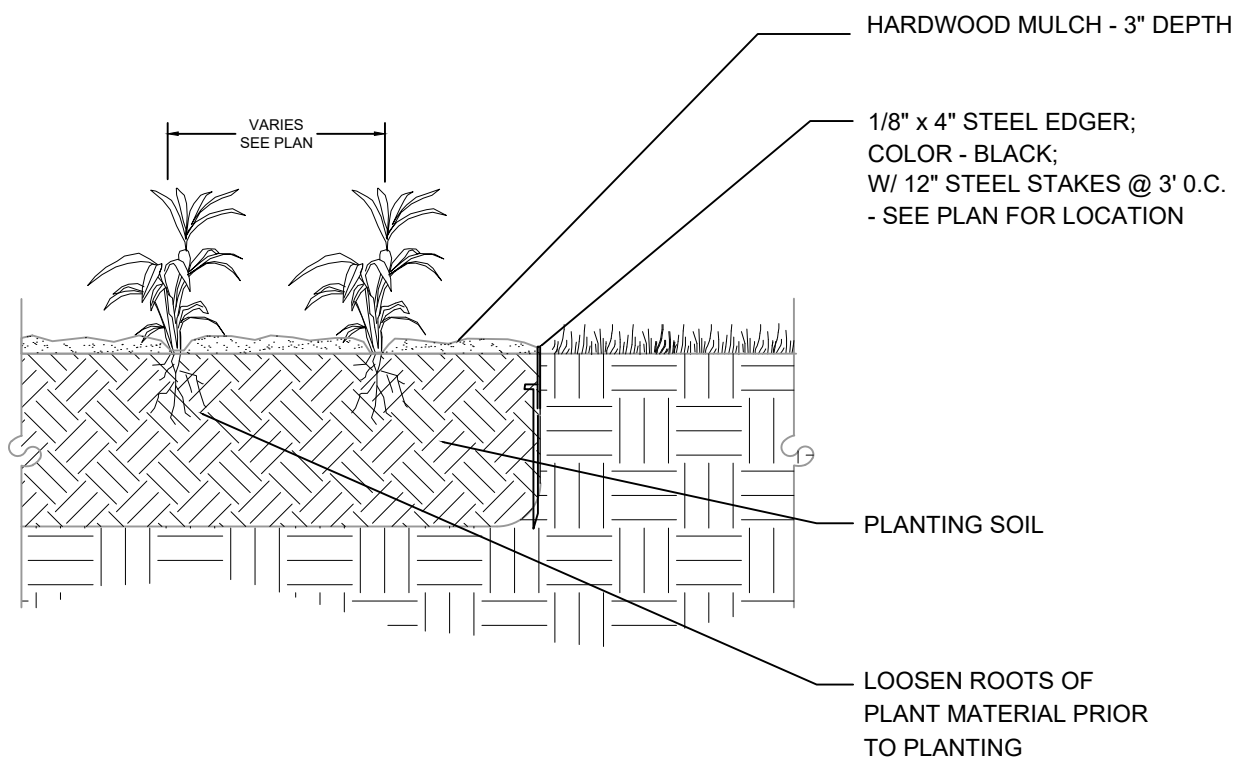
SHRUBS TO BE PLACED SO THAT TOP OF CONTAINER SITS FLUSH WITH PROPOSED GRADE.

HARDWOOD MULCH - 3" DEPTH

SET ON MOUNDED GRADE. WATER SHRUB THOROUGHLY AFTER PLANTING.

PLANTING SOIL - SEE SPEC.

**03**  
L501 **DECIDUOUS SHRUB PLANTING DETAIL**  
NO SCALE



HARDWOOD MULCH - 3" DEPTH

1/8" x 4" STEEL EDGER; COLOR - BLACK; W/ 12" STEEL STAKES @ 3' O.C. - SEE PLAN FOR LOCATION

PLANTING SOIL

LOOSEN ROOTS OF PLANT MATERIAL PRIOR TO PLANTING

**04**  
L501 **PERENNIAL PLANTING DETAIL**  
NO SCALE

TO OBTAIN LOCATIONS OF PARTICIPANT UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

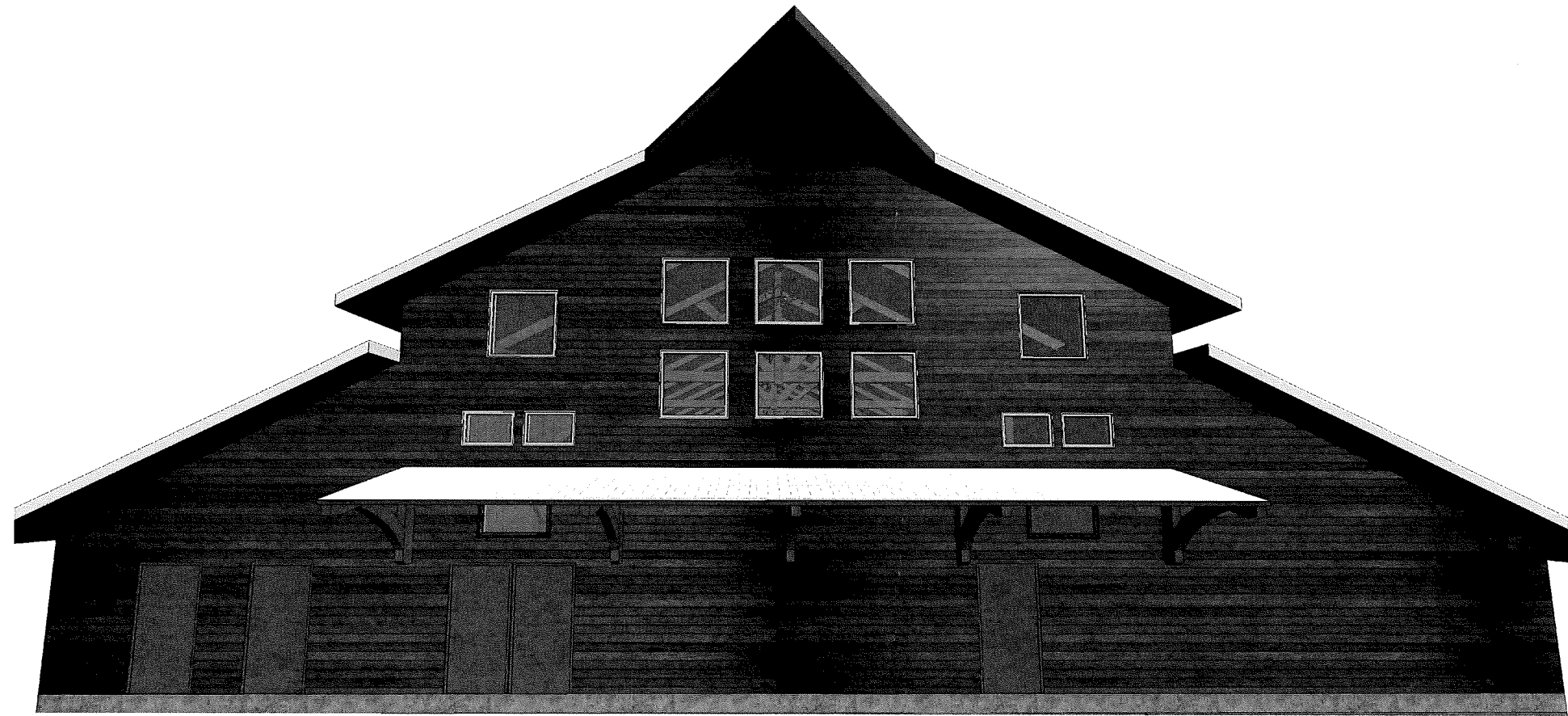
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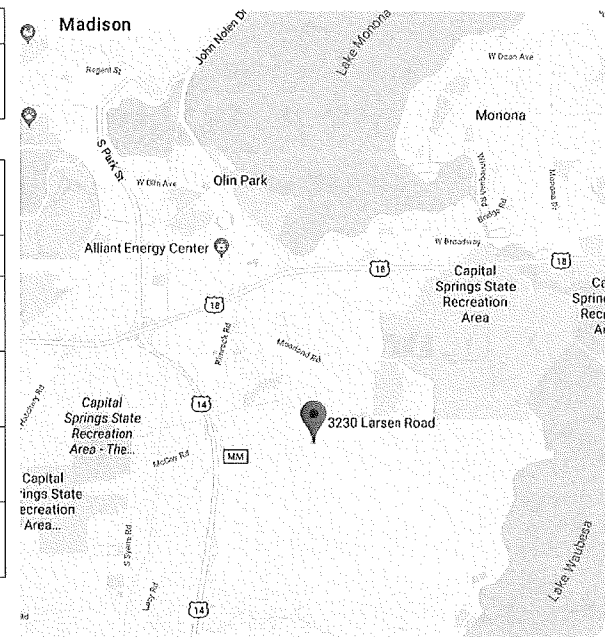
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# Barnwood Events Center: Dave and Julie Wood Project

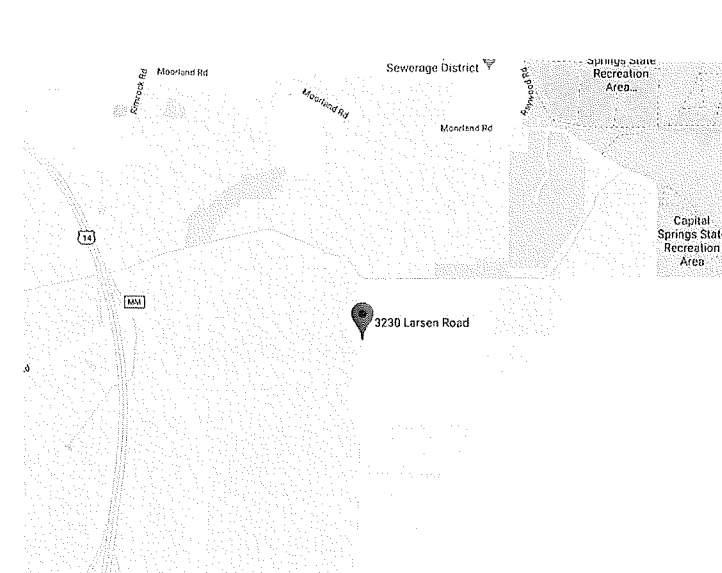
Site Address: 3230 Larsen Rd, Fitchburg, WI 53711



Window Schedule				
Count	Type Mark	Family	Height	Width
1	43	Counter Shutter Window	4' - 0"	5' - 6"
4	56	Awning Window	2' - 0"	4' - 0"
8	65	ASeries Picture 48x48	4' - 0"	4' - 0"
8	66	ASeries Picture Windows	4' - 0"	3' - 0"
4	74	ASeries Picture Windows	2' - 0"	3' - 0"
2	79	100 Series Single Hung	3' - 0"	4' - 0"



Area Around Site Location



Vicinity Map

Door Schedule				
Count	Type Mark	Family	Height	Width
2	1	Single-Flush	7' - 0"	3' - 0"
7	6	Single-Flush	6' - 8"	3' - 0"
2	11	Four_Panel_Sliding_Door_17892	7' - 0"	9' - 0"
1	22	Double-Egress_2300	6' - 8"	5' - 8"
2	28	Double_Door_Glass_250	7' - 0"	6' - 0"
2	42	Double_Barn_Door_2211 (1)	6' - 8"	3' - 10"
1	44	8_Pane_Bifold_Door_Glass_9405	8' - 0"	18' - 4 1/2"
1	46	Door-Double-Flush_Panel	6' - 8"	6' - 0"
9	47	Single Push Bar Fire Door	7' - 0"	3' - 6"



Client: Julie & Dave Wood: Wedding Barn Project

Drawings: Title Page

Timber Frame Home Builders

1301 LAKE STREET, BARABOO, WI 53913

Drawn by: Garrett Marklowitz

Date: 6 August 2019

Sheet Number:

A100

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# Julie & Dave Wood: Wedding Barn Project

Client: Garrett Marklowitz

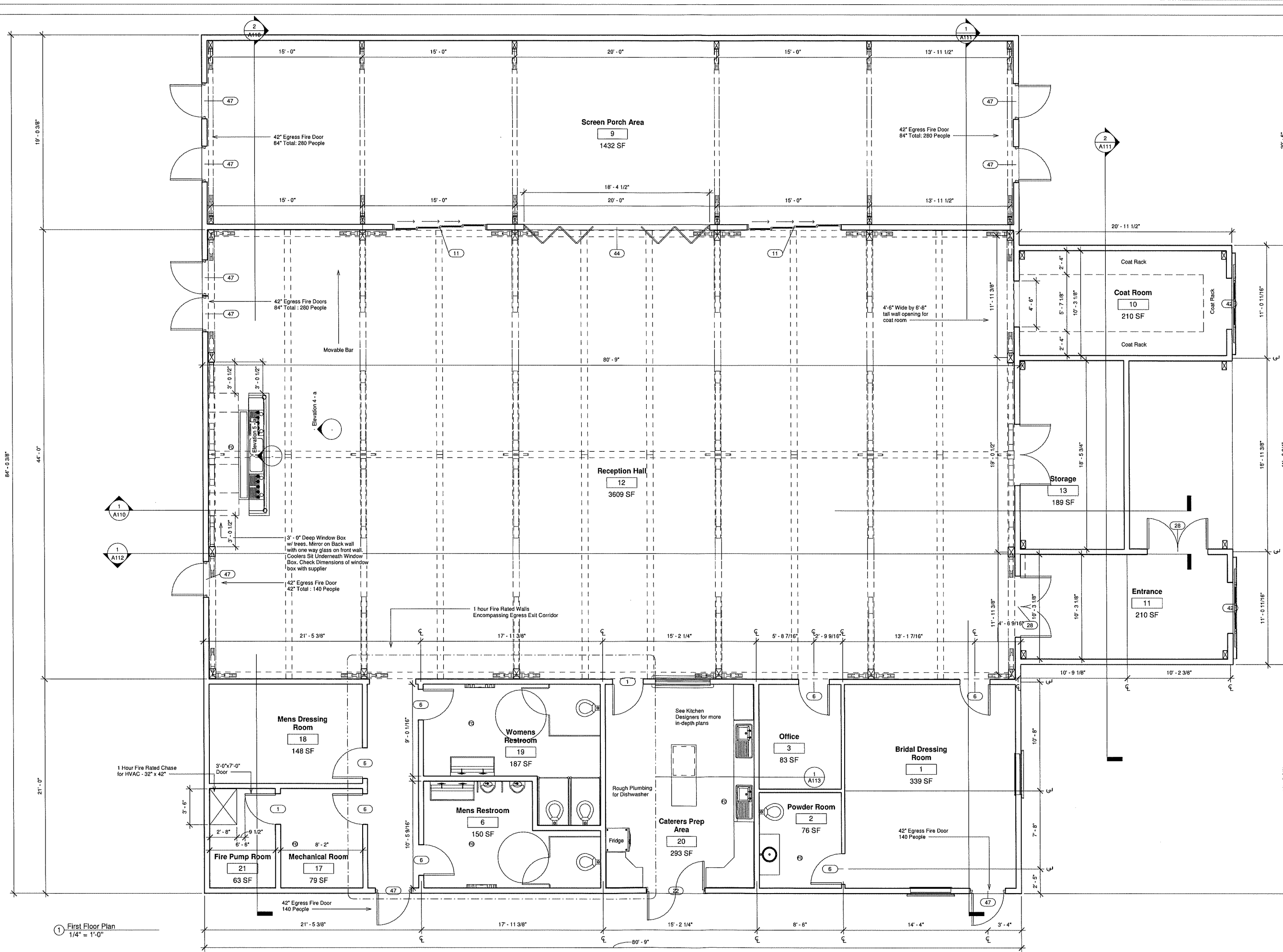
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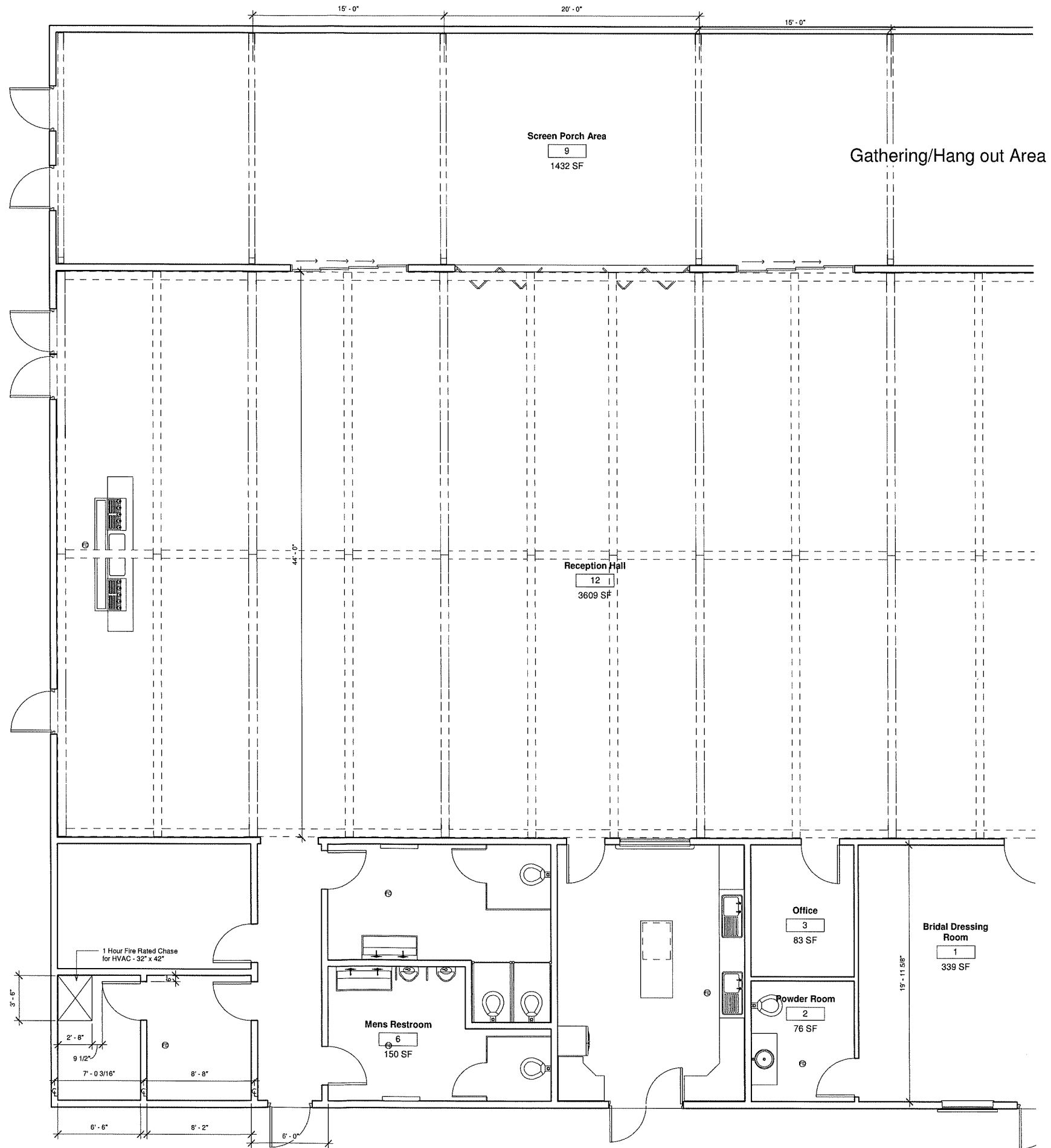
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1 First Floor Plan  
1/4" = 1'-0"

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① Level 1  
1/4" = 1'-0"



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# Julie & Dave Wood: Wedding Barn Project

## First Floor Plan HVAC unit

Client:

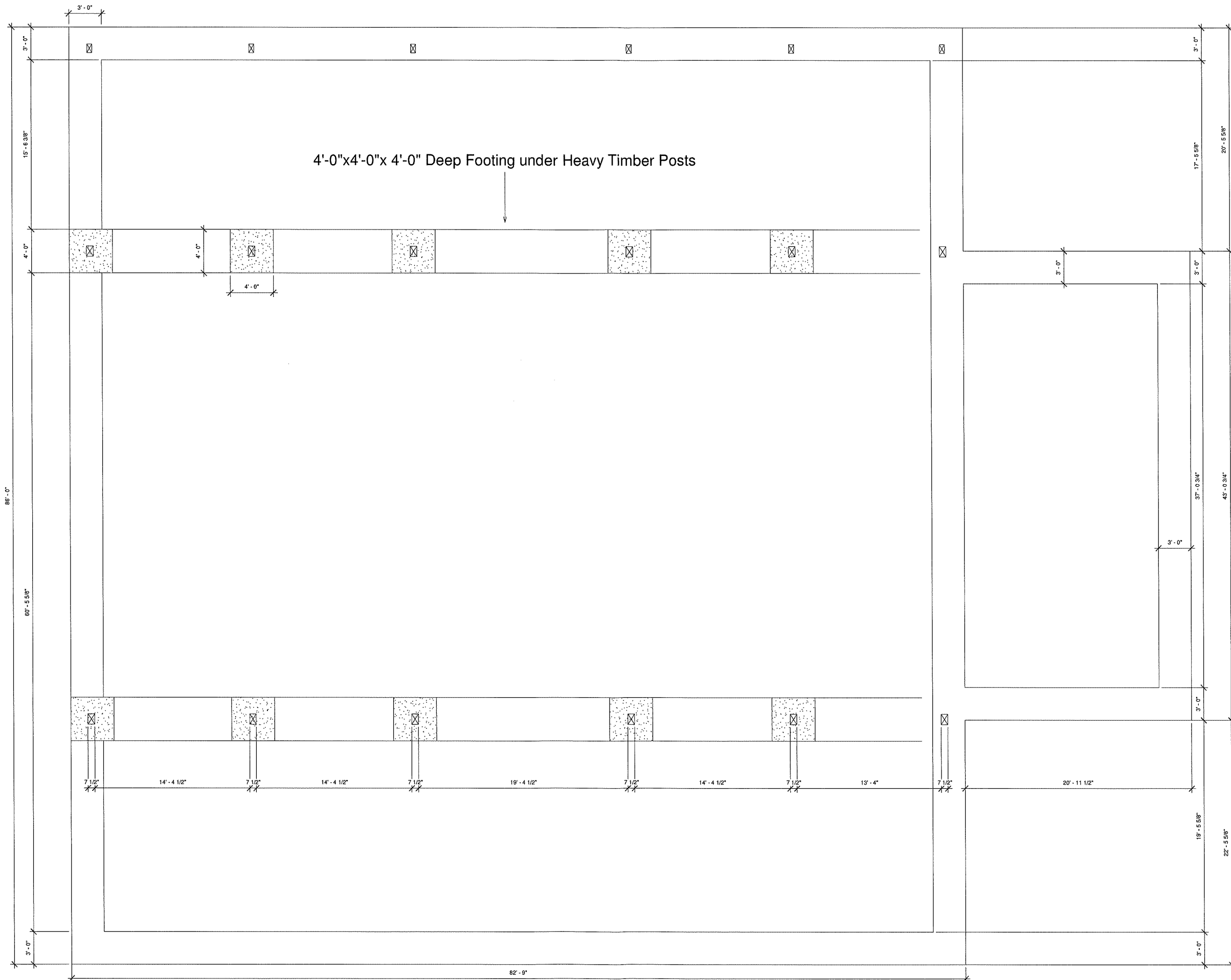
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6 August 2019

Sheet Number:

A102

① Foundation Plan  
1/4" = 1'-0"



Client: Julie & Dave Wood: Wedding Barn Project

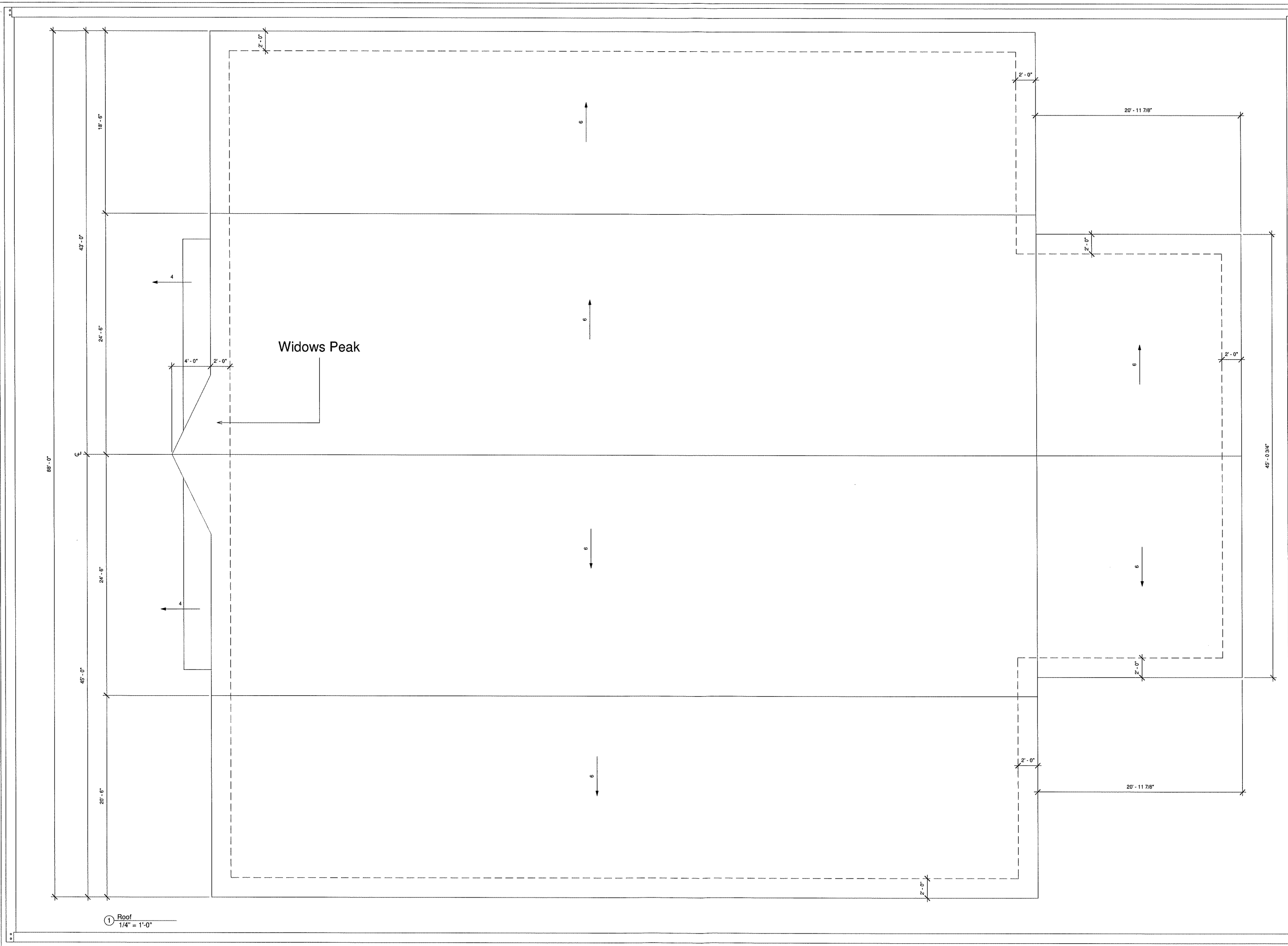
Drawings: Foundation Plan

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Garrett Marklowitz  
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① Roof  
1/4" = 1'-0"



Client: Julie & Dave Wood: Wedding Barn Project  
Drawings: Roof Plan

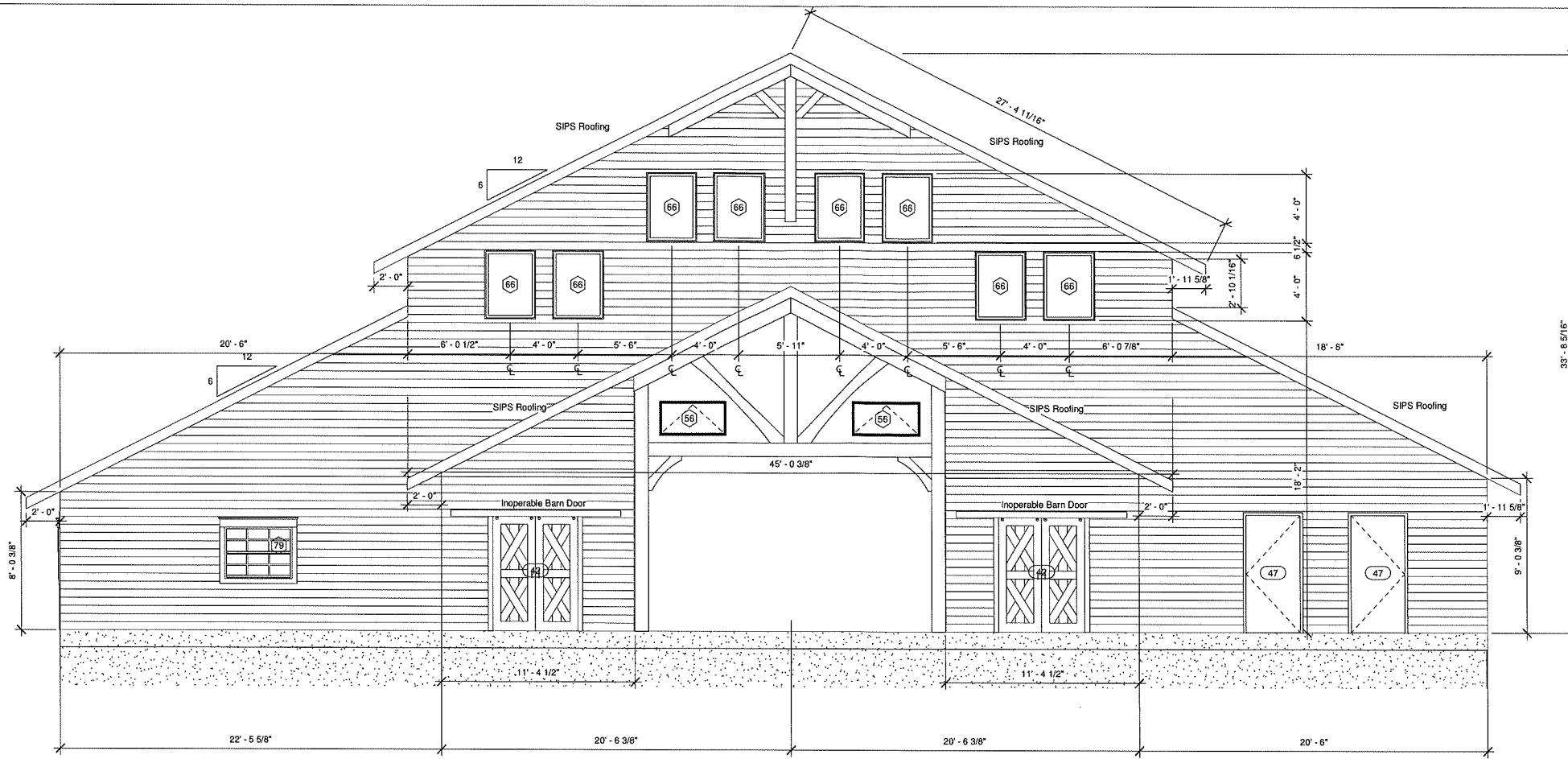
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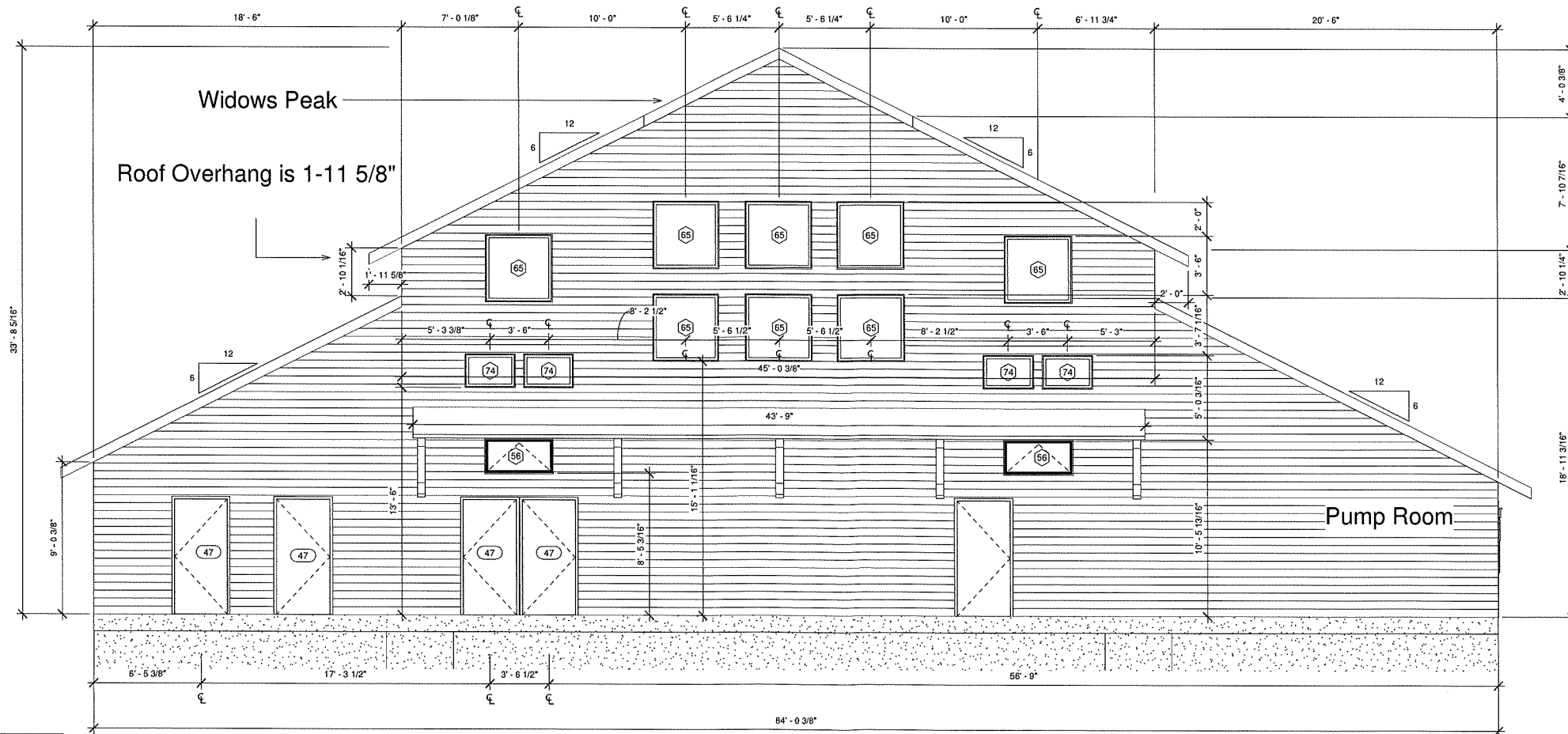
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① East  
1/4" = 1'-0"



② West  
1/4" = 1'-0"



Client: Julie & Dave Wood: Wedding Barn Project

Drawings: Elevation Views

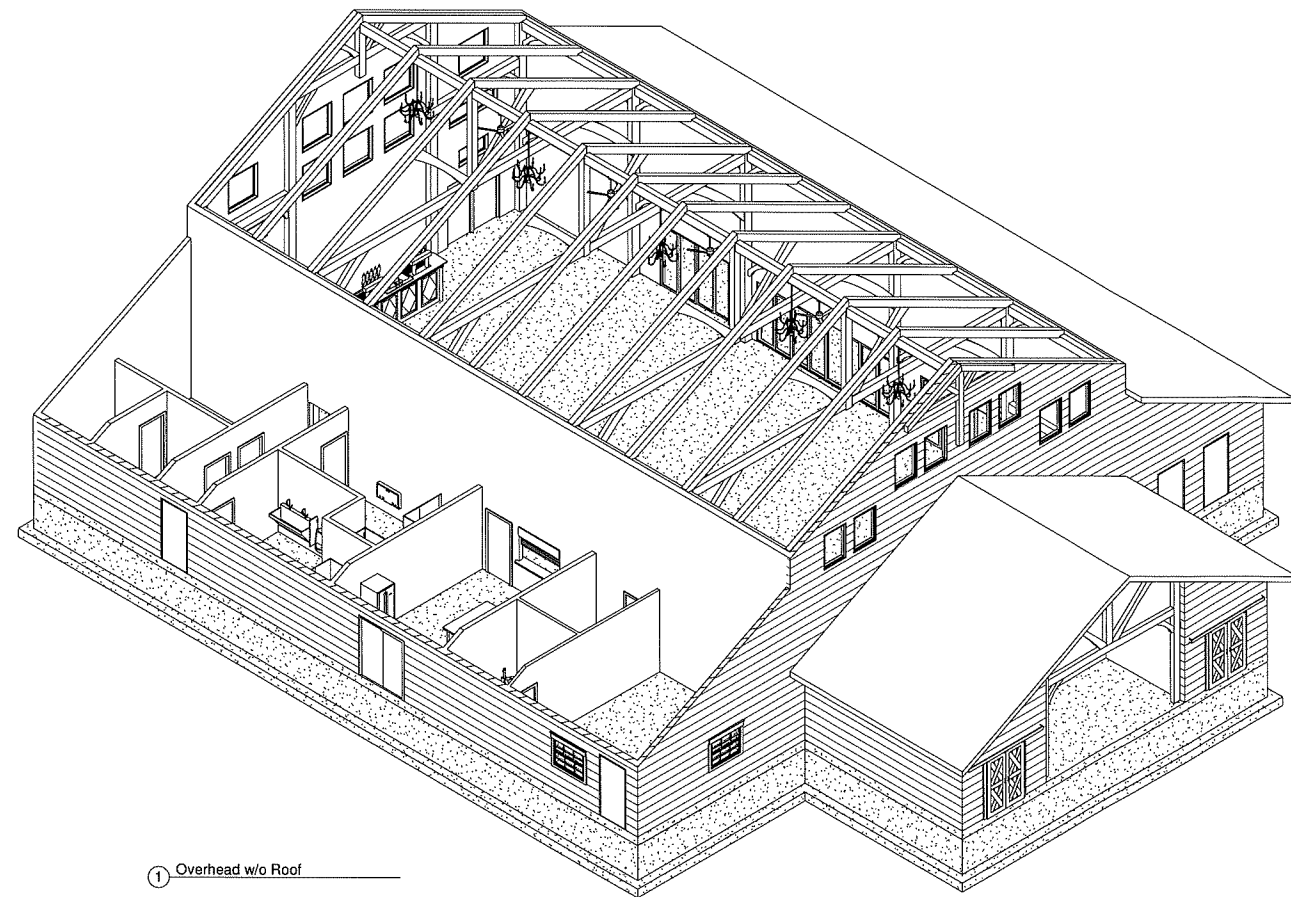
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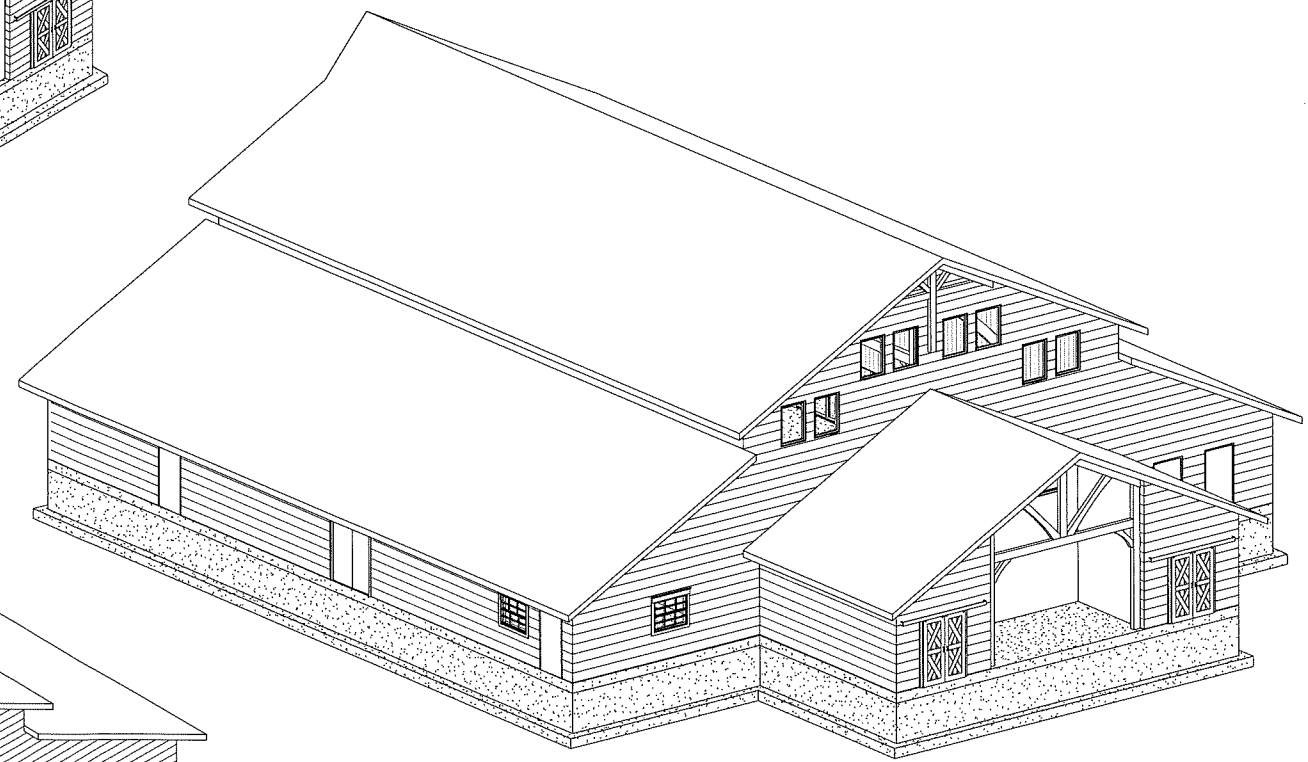
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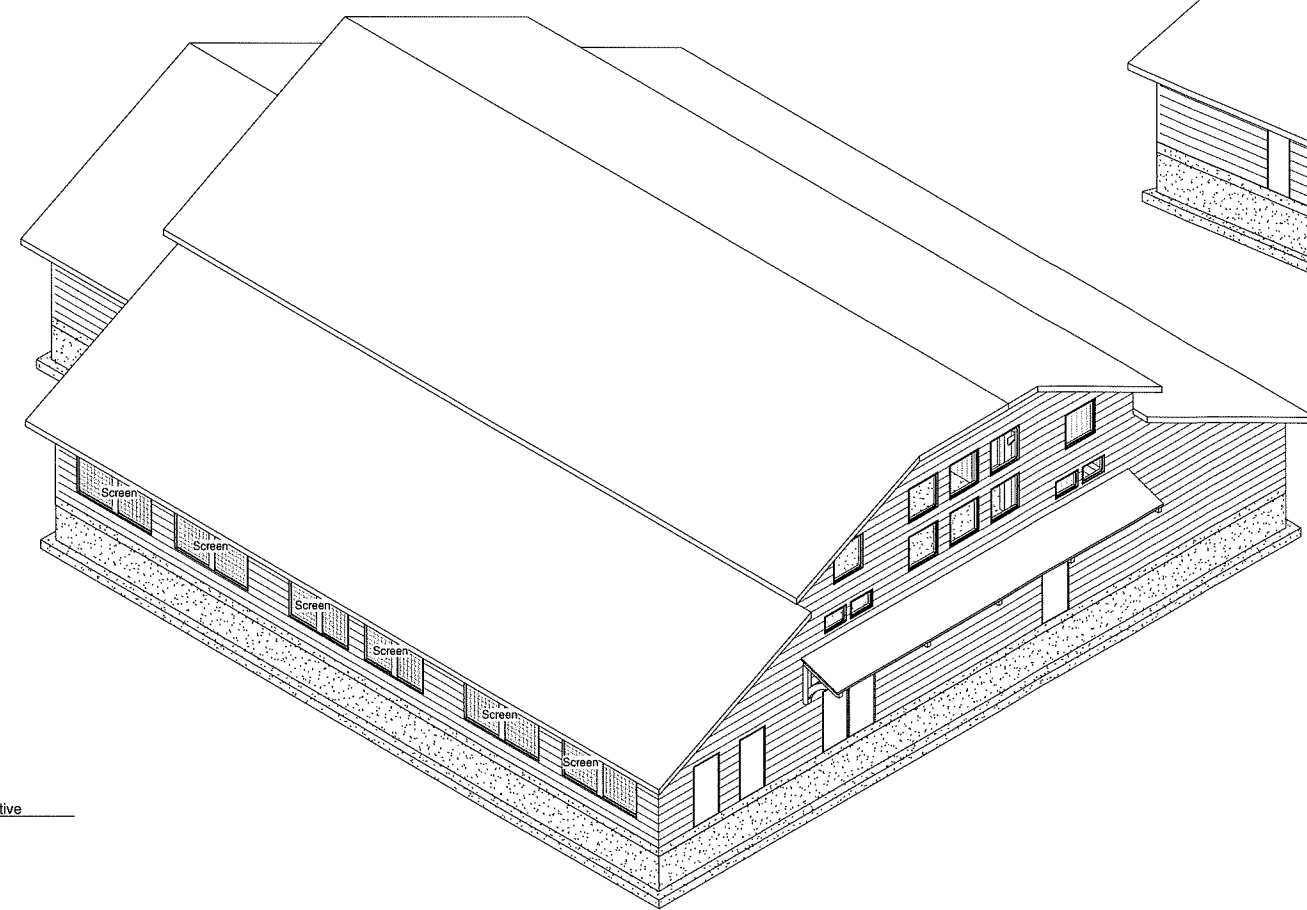
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Timber Frame Home Builders



① Overhead w/o Roof



② Exterior Perspective



③ Screen Porch Perspective

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Timber Frame Home Builders

Julie & Dave Wood: Wedding Barn Project

Client:

Exterior Views

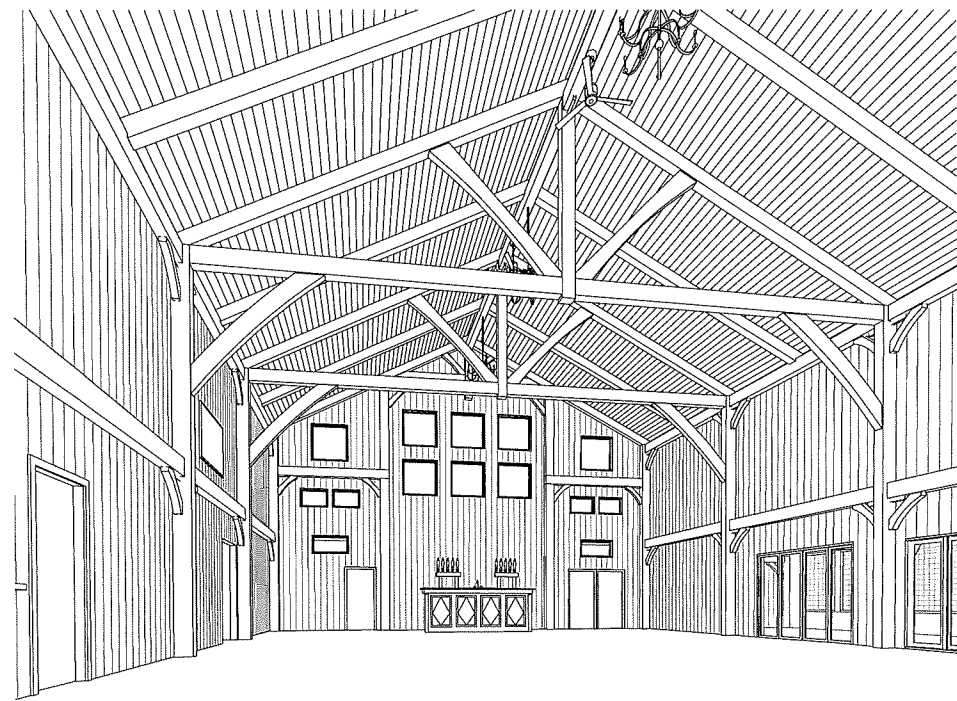
Drawings:

Drawn by:  
Garrett Marklowitz

Date:  
6 August 2019

Sheet Number:

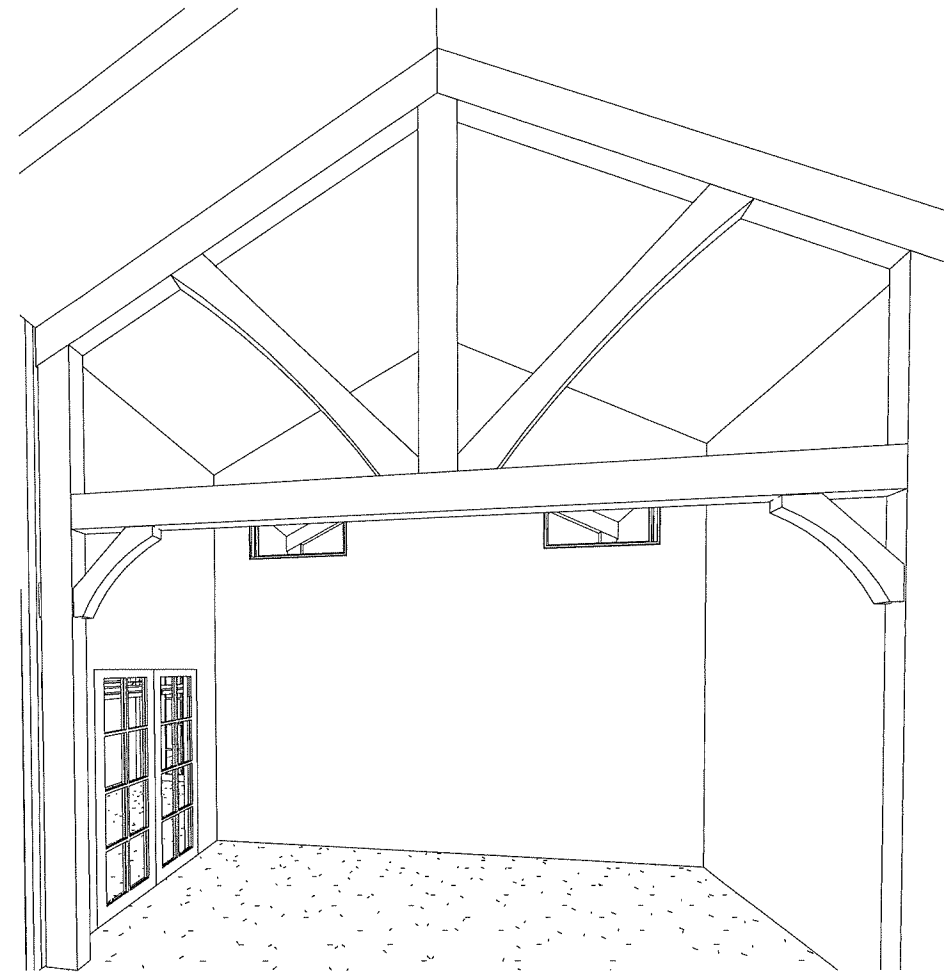
A107



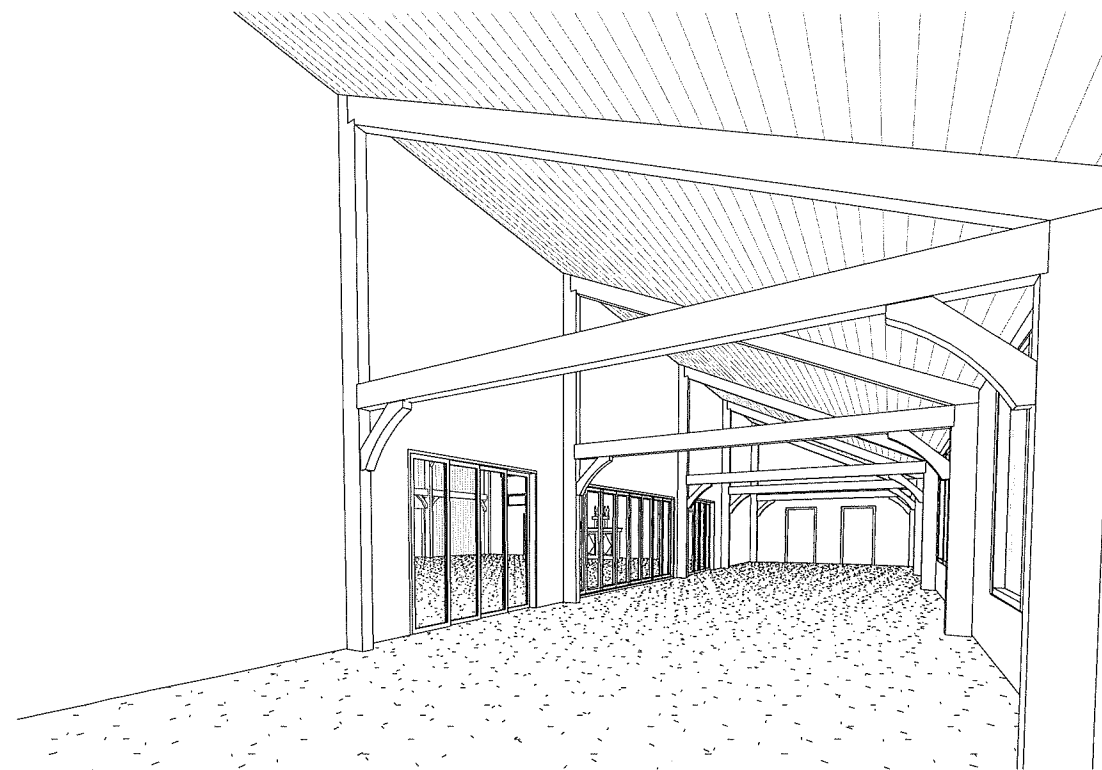
① Interior View



③ Looking at Screen Porch



② Vestibule Entrance



④ Inside Screen Porch

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Timber Frame Home Builders

Client: Julie & Dave Wood: Wedding Barn Project

Drawings: Interior Views

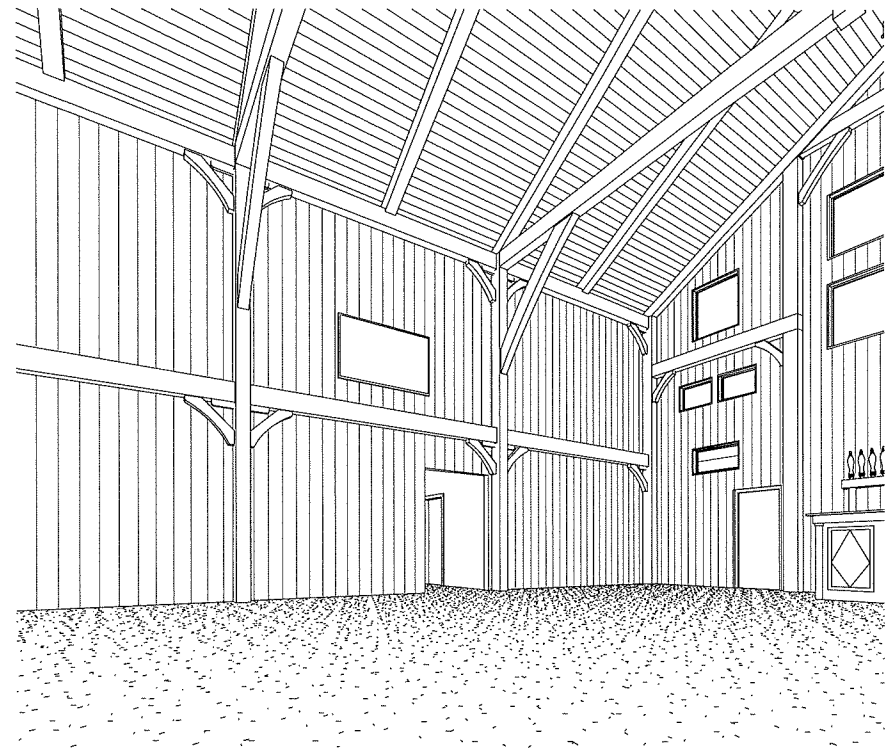
Drawn by: Garrett Marklowitz

Date: 6 August 2019

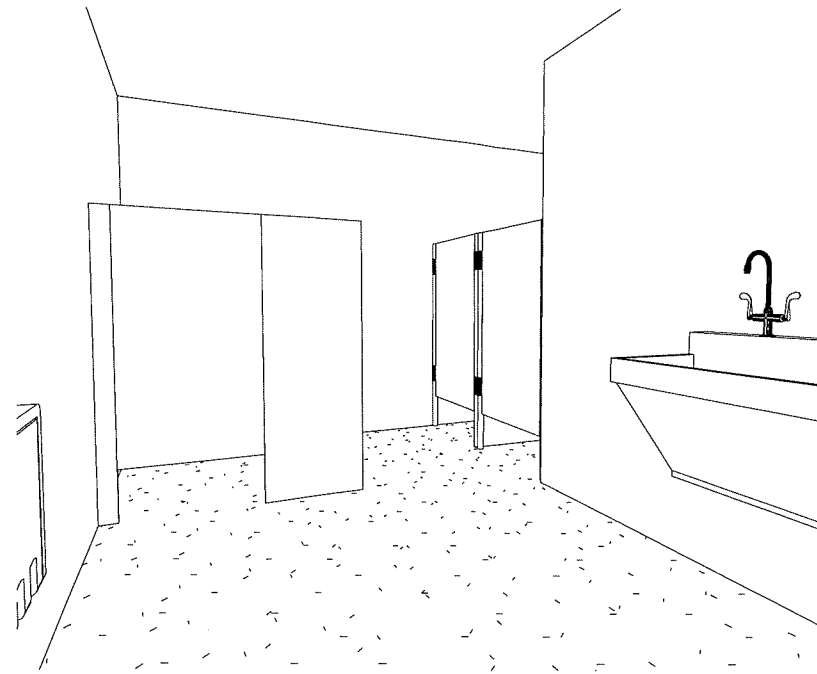
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A108

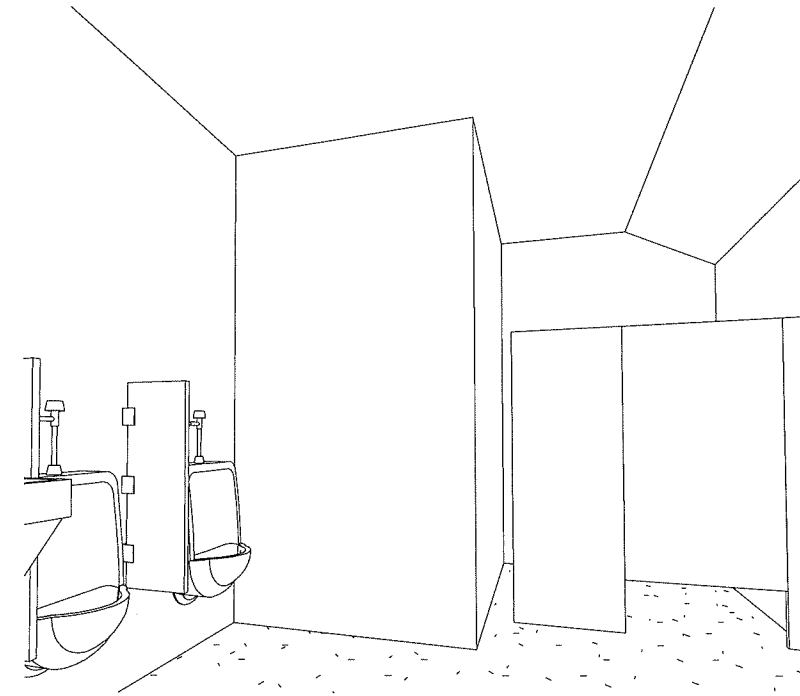




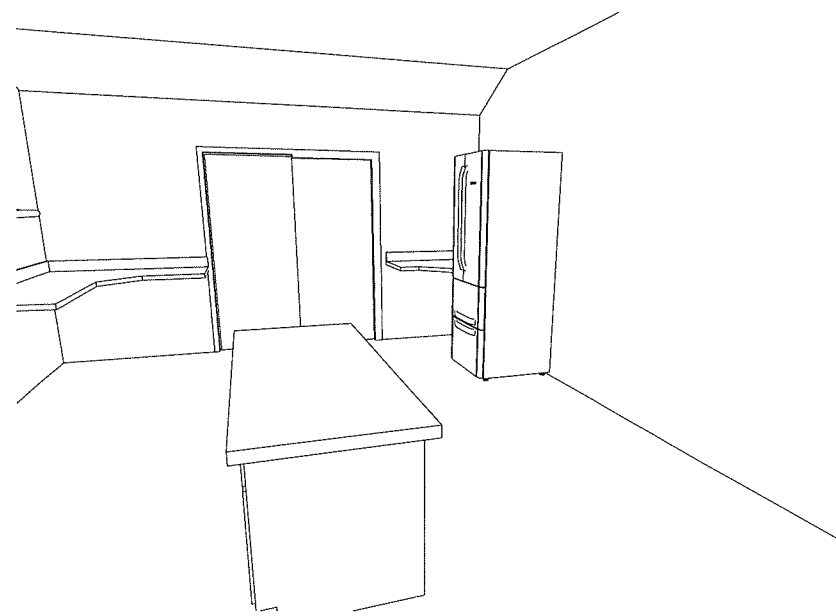
① Interior Kitchen Door



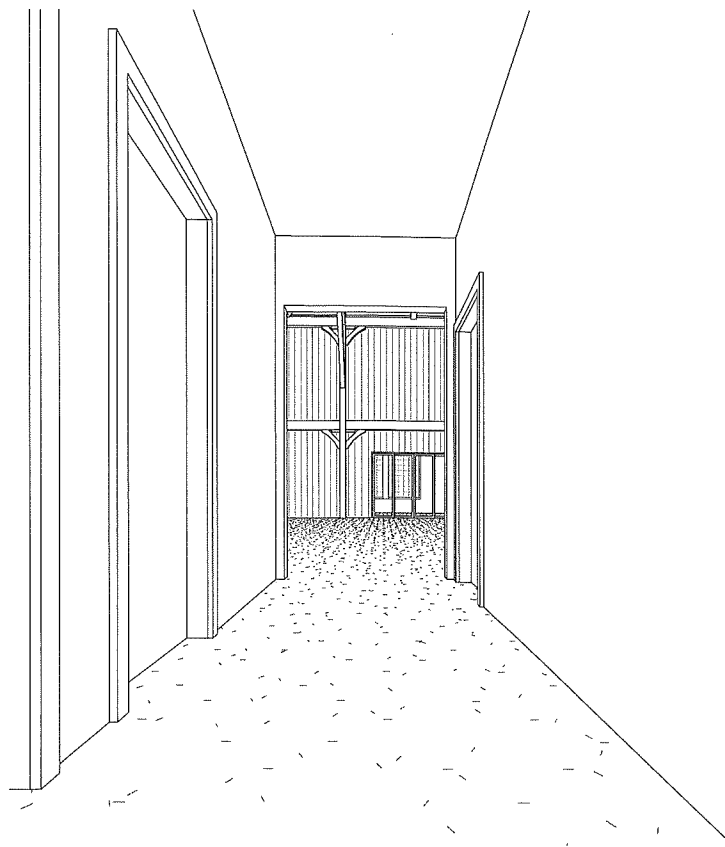
② Womens Restroom



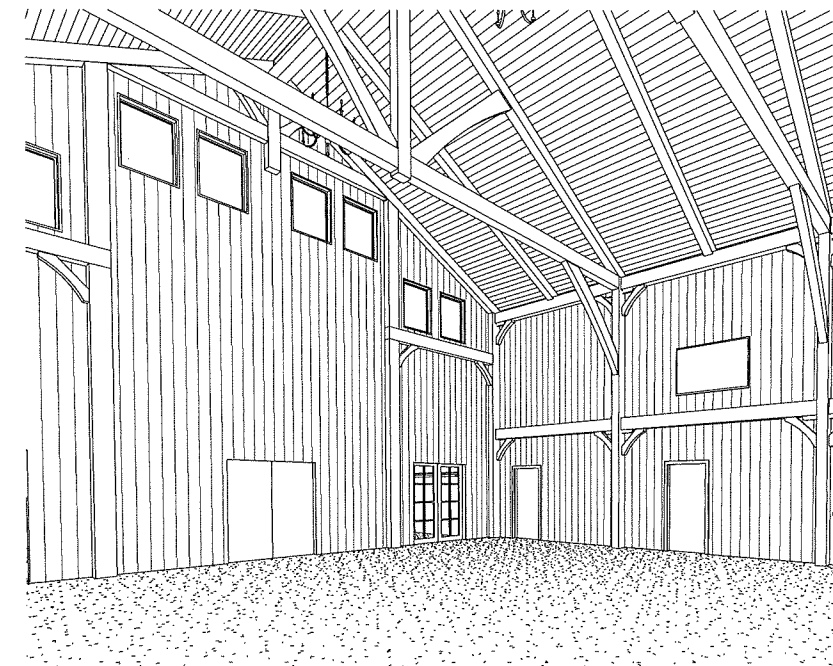
③ Mens Restroom



④ Caterers Prep Area



⑤ Restroom Hallway View



⑥ Looking at Coat Room

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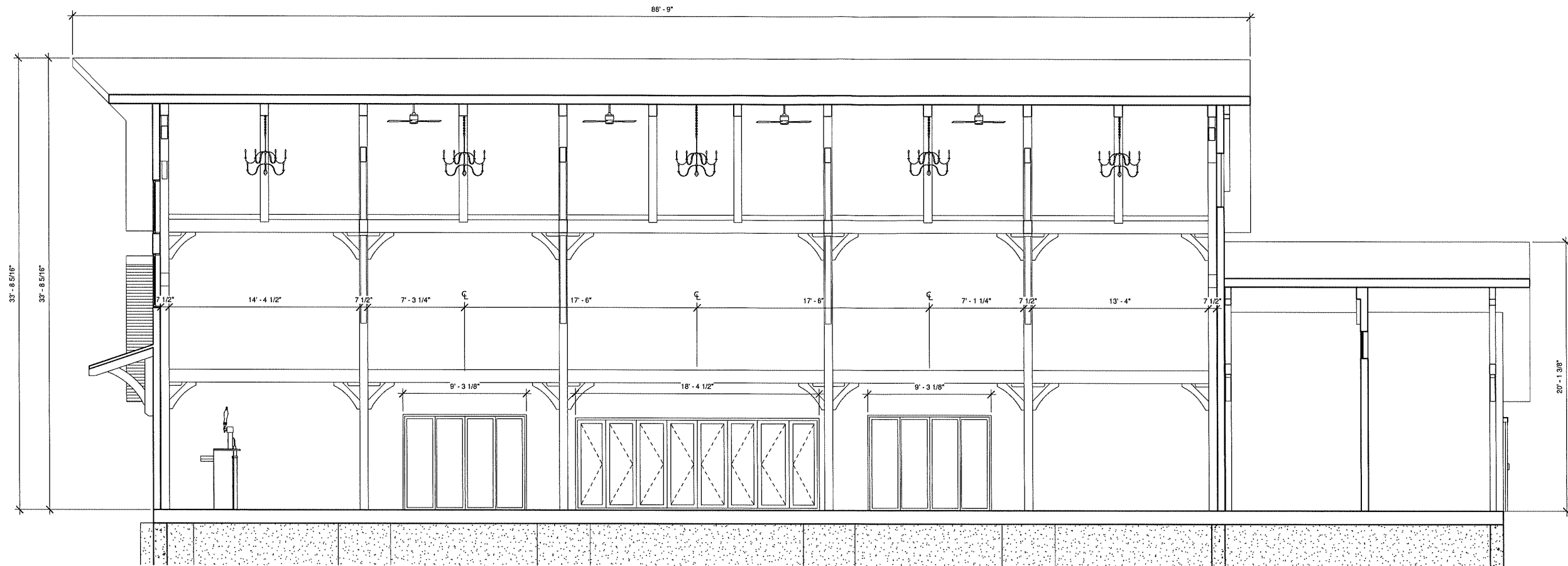
Timber Frame Home Builders

Client: Julie & Dave Wood: Wedding Barn Project

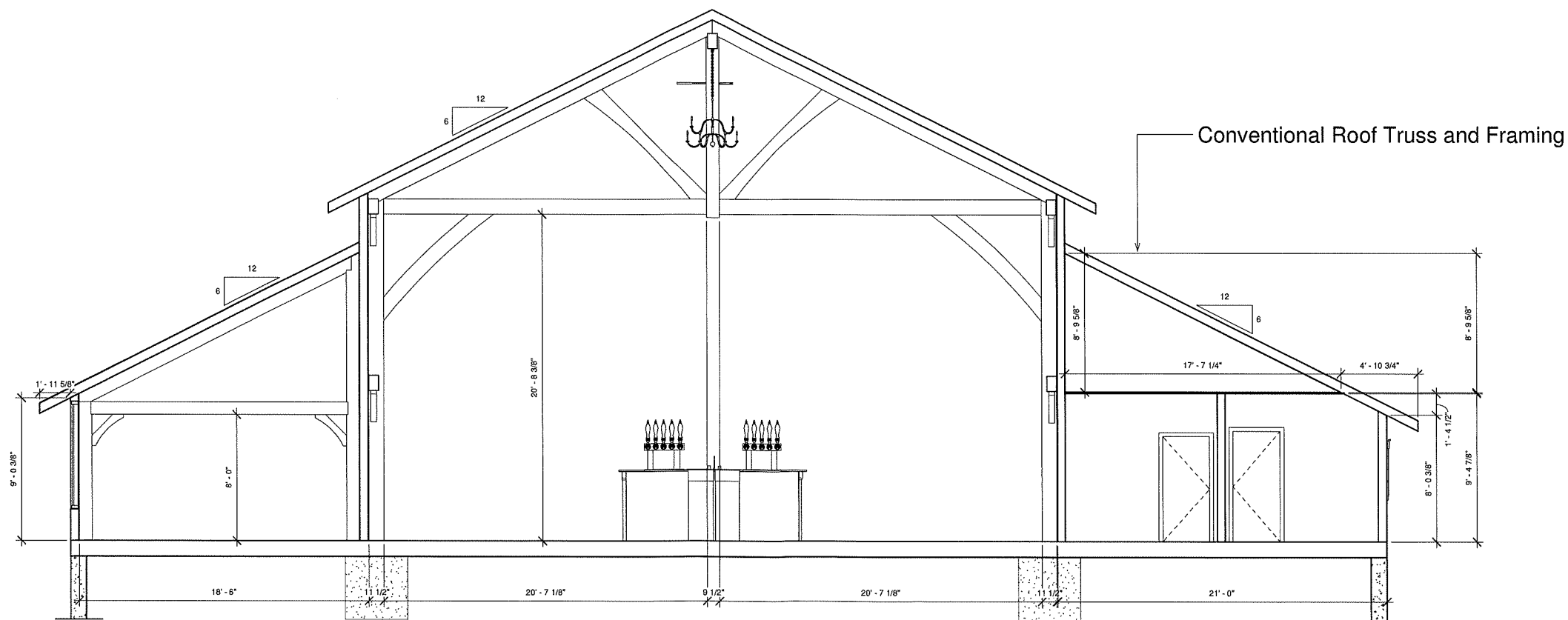
Drawings: Interior Views Continued

Drawn by:  
Garrett Marklowitz  
Date:  
6 August 2019  
Sheet Number:

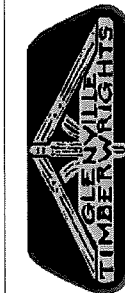
A109



① Side Section Bents  
1/4" = 1'-0"



② Middle Bents  
1/4" = 1'-0"



Client: Julie & Dave Wood: Wedding Barn Project

Drawings: Sections

Drawn by:  
Garrett Marklowitz

Date:  
6 August 2019

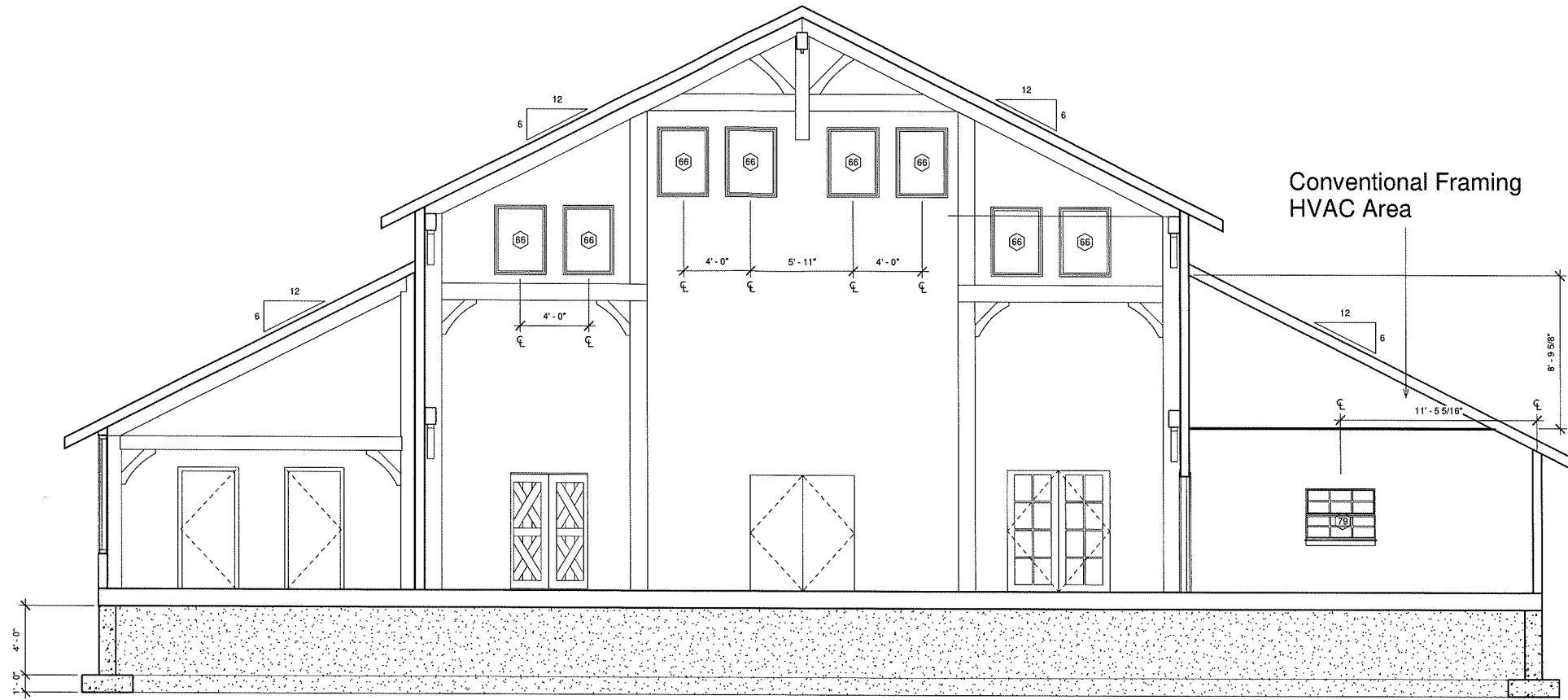
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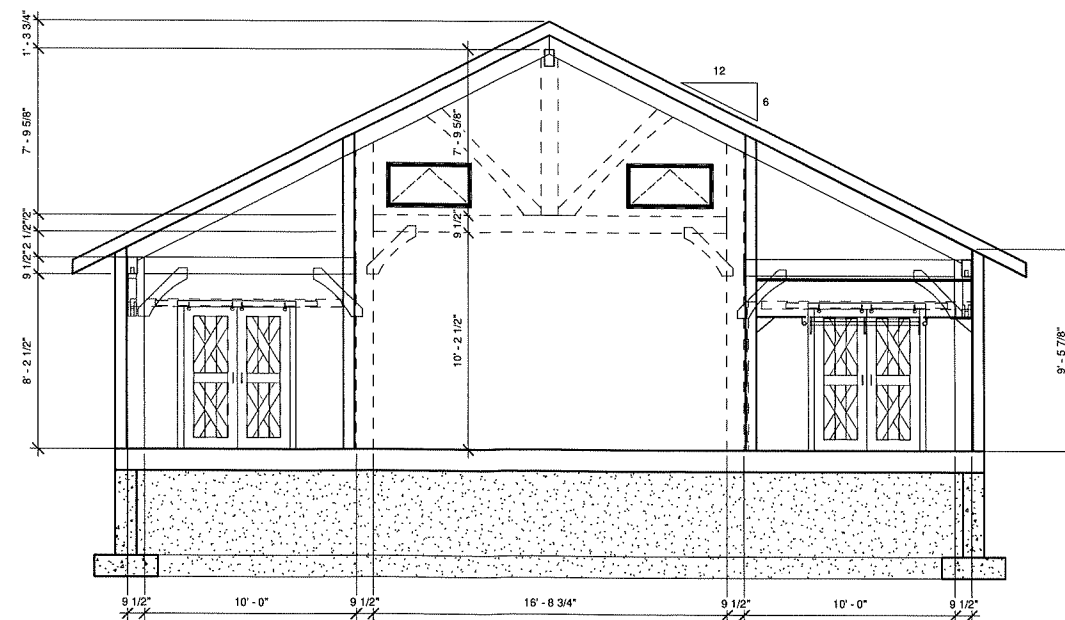
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① Gable End Bents  
1/4" = 1'-0"



② Vestibule Section  
1/4" = 1'-0"

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Timber Frame Home Builders

Julie & Dave Wood: Wedding Barn Project

Sections Continued

Client:

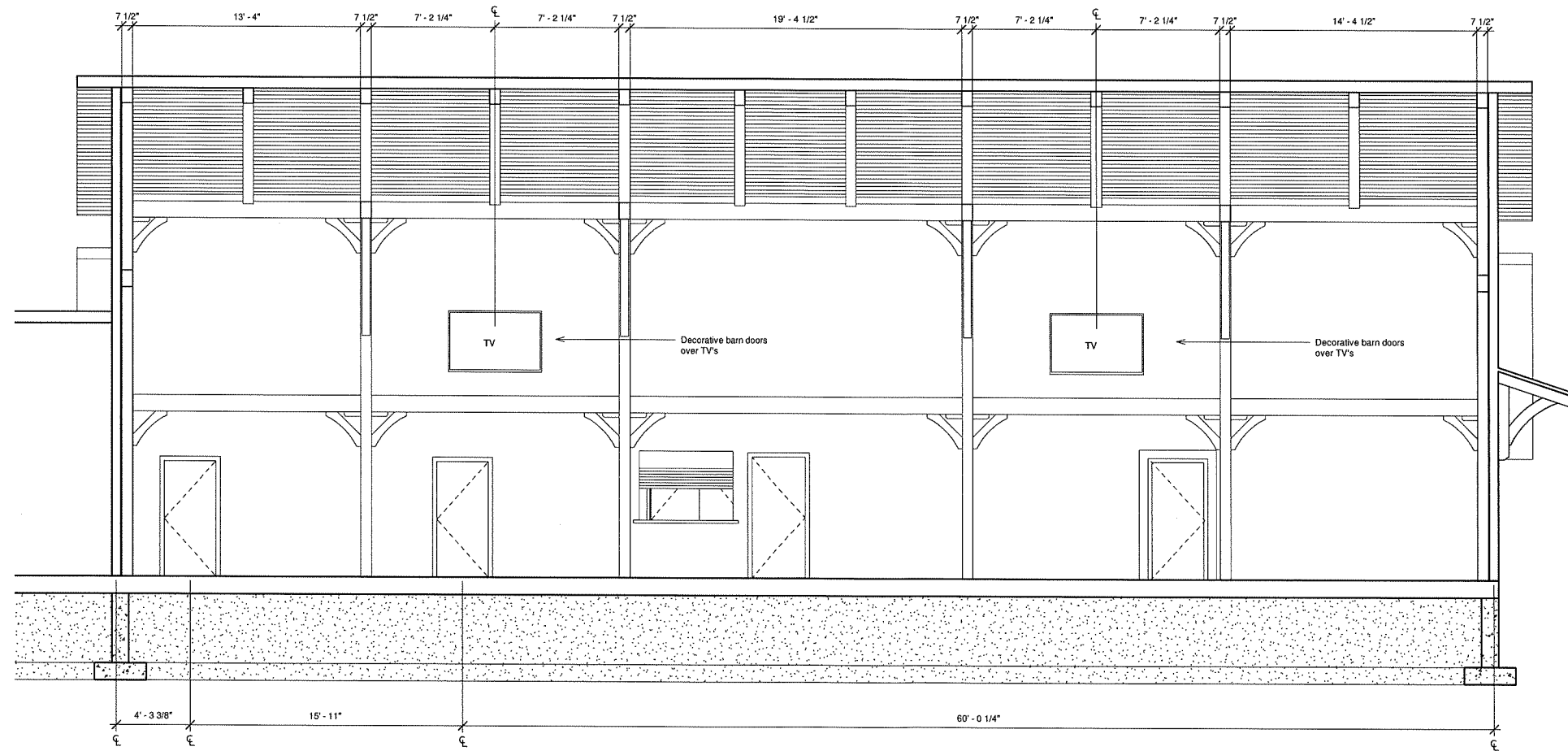
Drawings:

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Garrett Marklowitz

Date:  
6 August 2019

Sheet Number:

A111



① Utilitarian Section  
 1/4" = 1'-0"



Client: Julie & Dave Wood: Wedding Barn Project

Drawings: Sections Continued

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**A112**

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