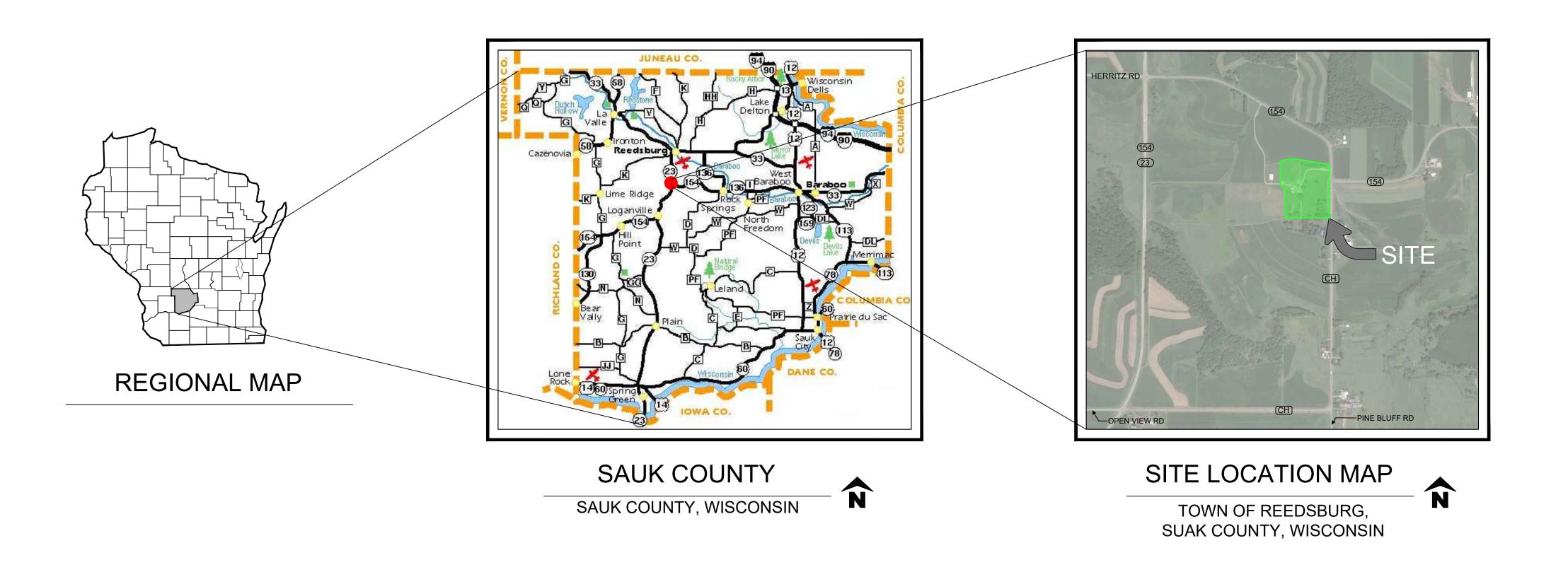
SAUK COUNTY FARM EDUCATION HUB - PHASE 1

SECTION 34, TOWNSHIP 12 NORTH, RANGE 4 EAST





NOTICE BEFORE YOU EXCAVATE

CAUTION:

CERTAIN UNDERGROUND UTILITIES HAVE BEEN LOCATED ON THE PLANS. THESE LOCATIONS SHALL NOT BE TAKEN AS CONCLUSIVE. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITES, WHETHER SHOWN ON THE DRAWING OR NOT, SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT. FOR EXACT LOCATION CONTACT DIGGERS HOTLINE 1-800-242-8511

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C 100 EXISTING SITE

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L 100 LANDSCAPE NOTES

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NOT FOR CONSTRUCTION

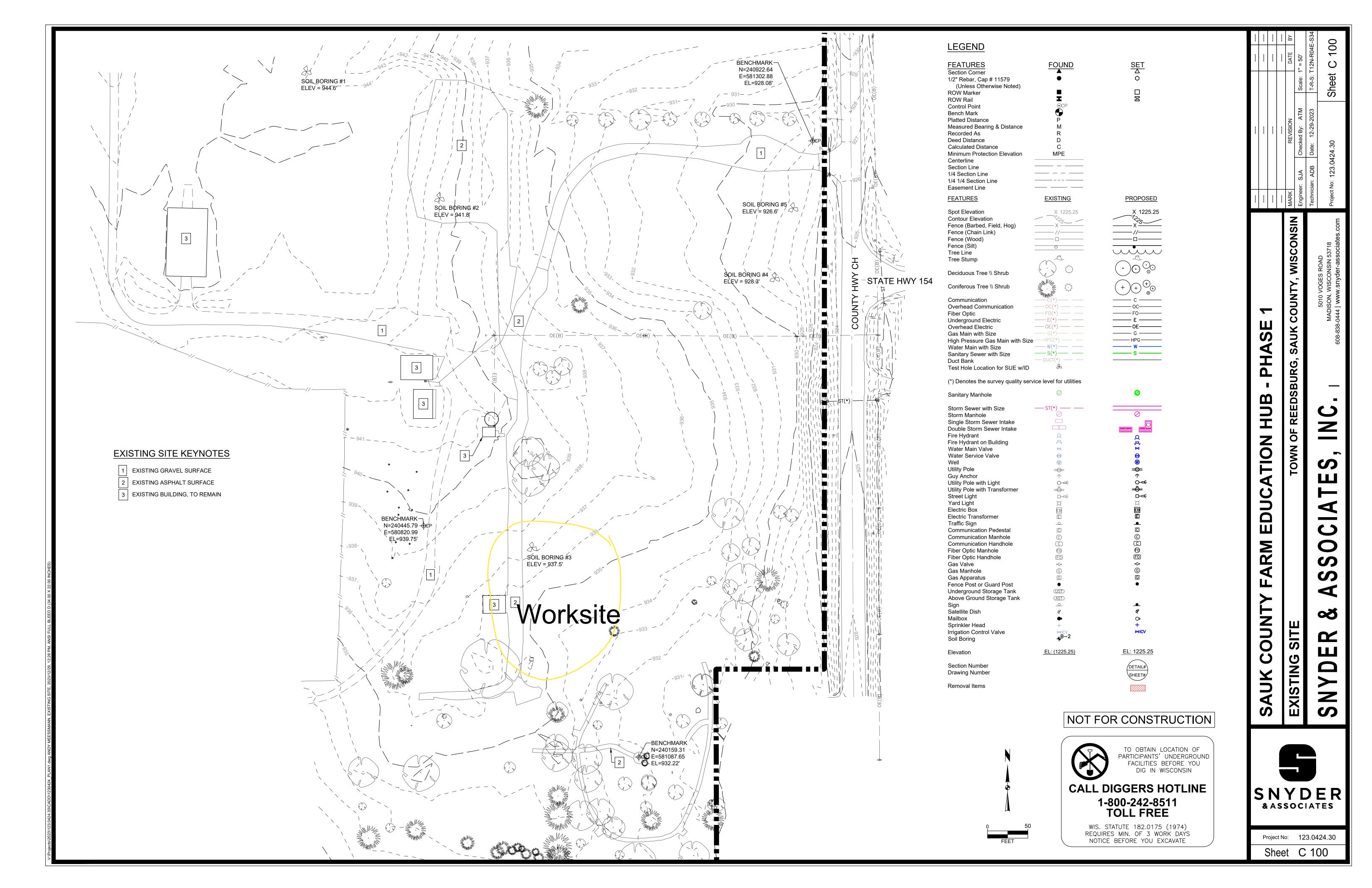
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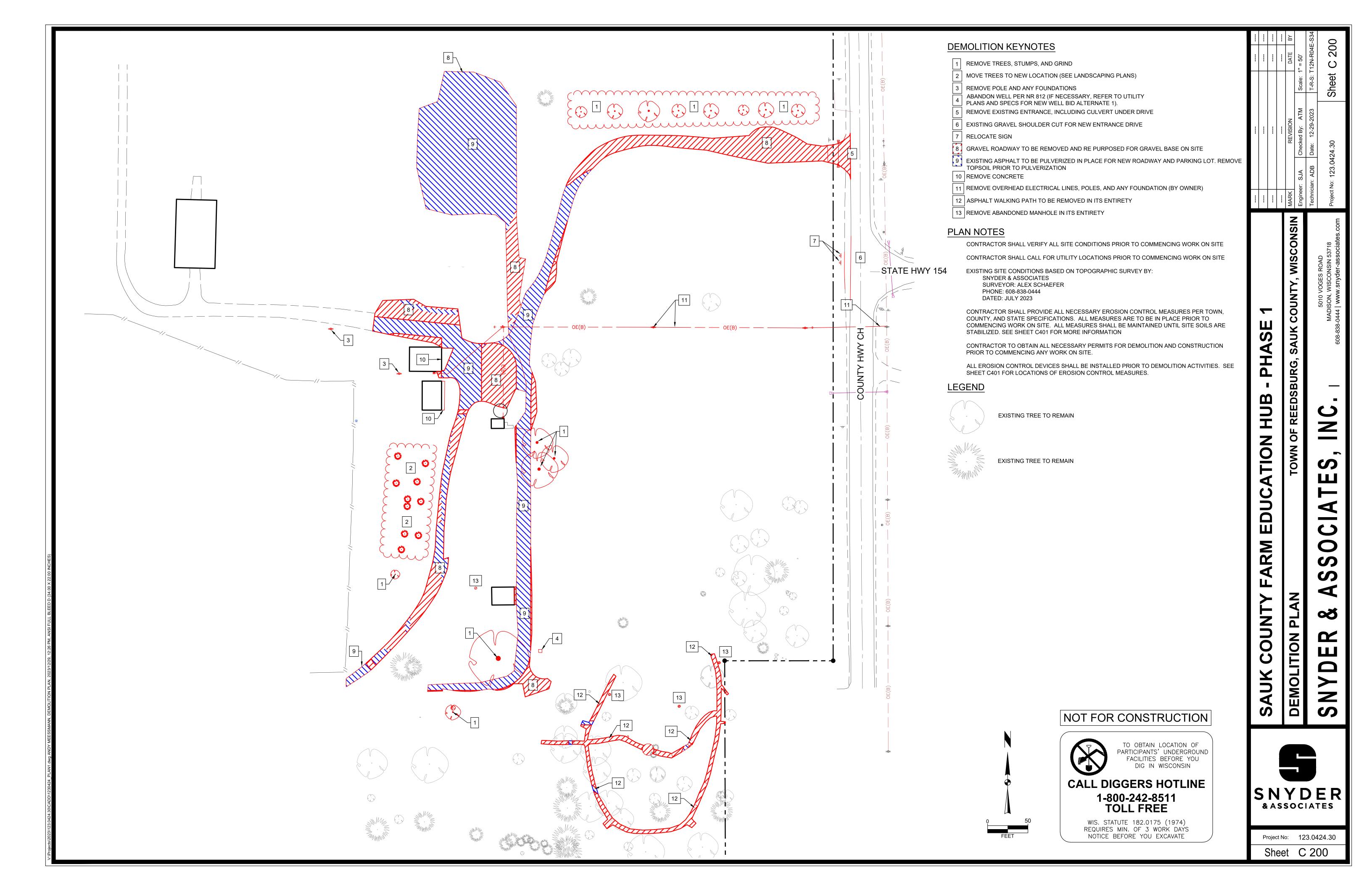
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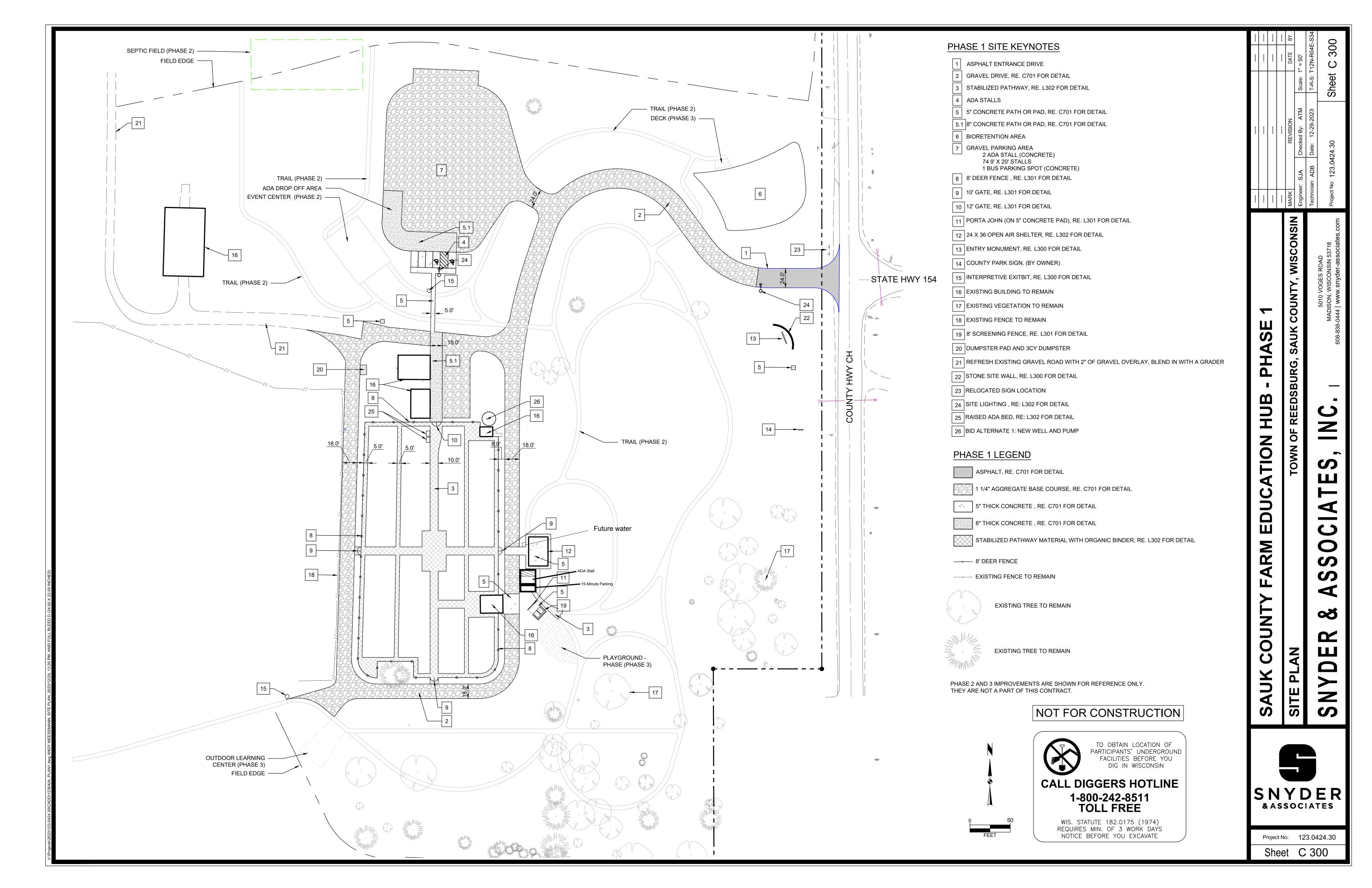
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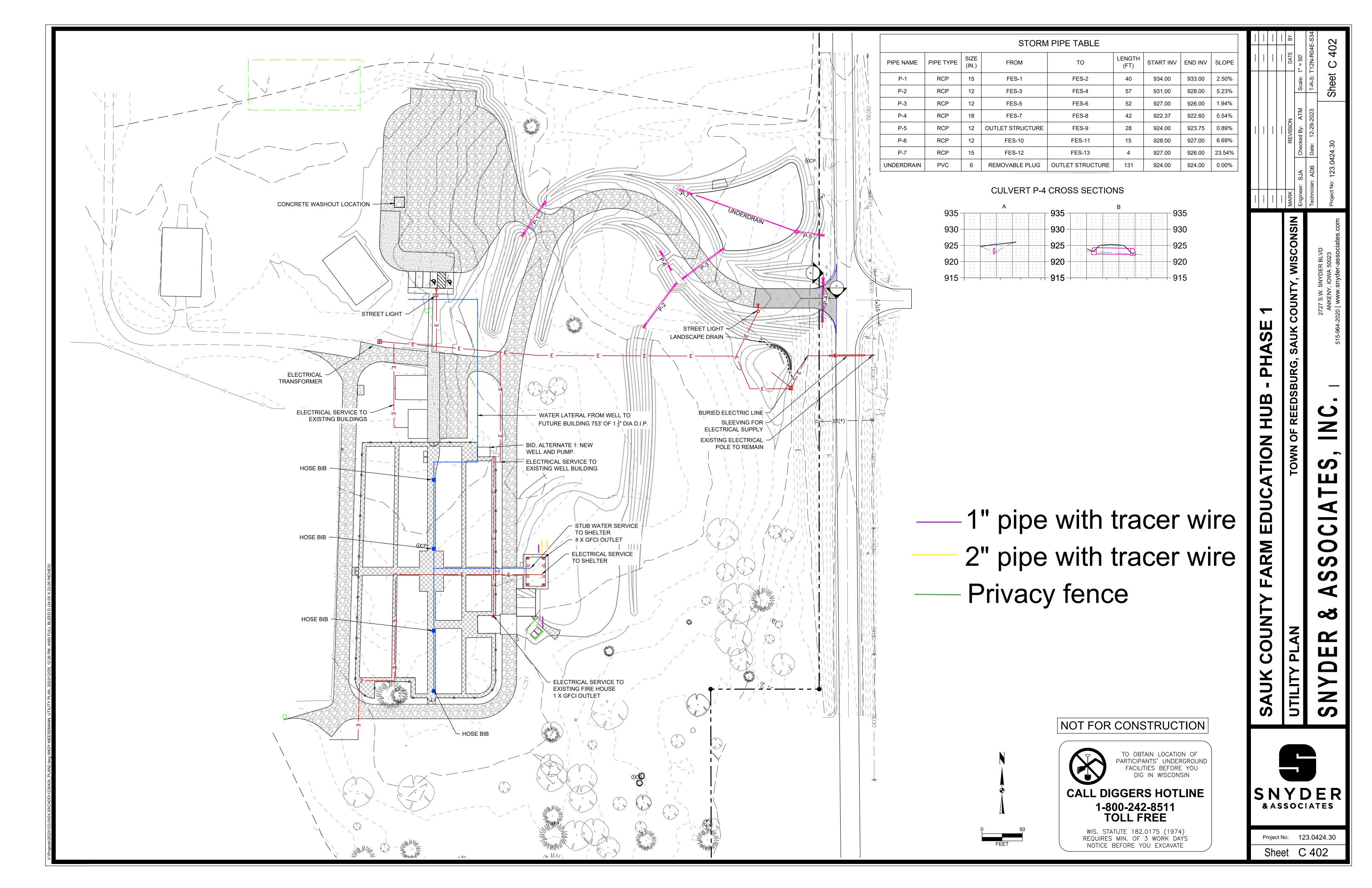
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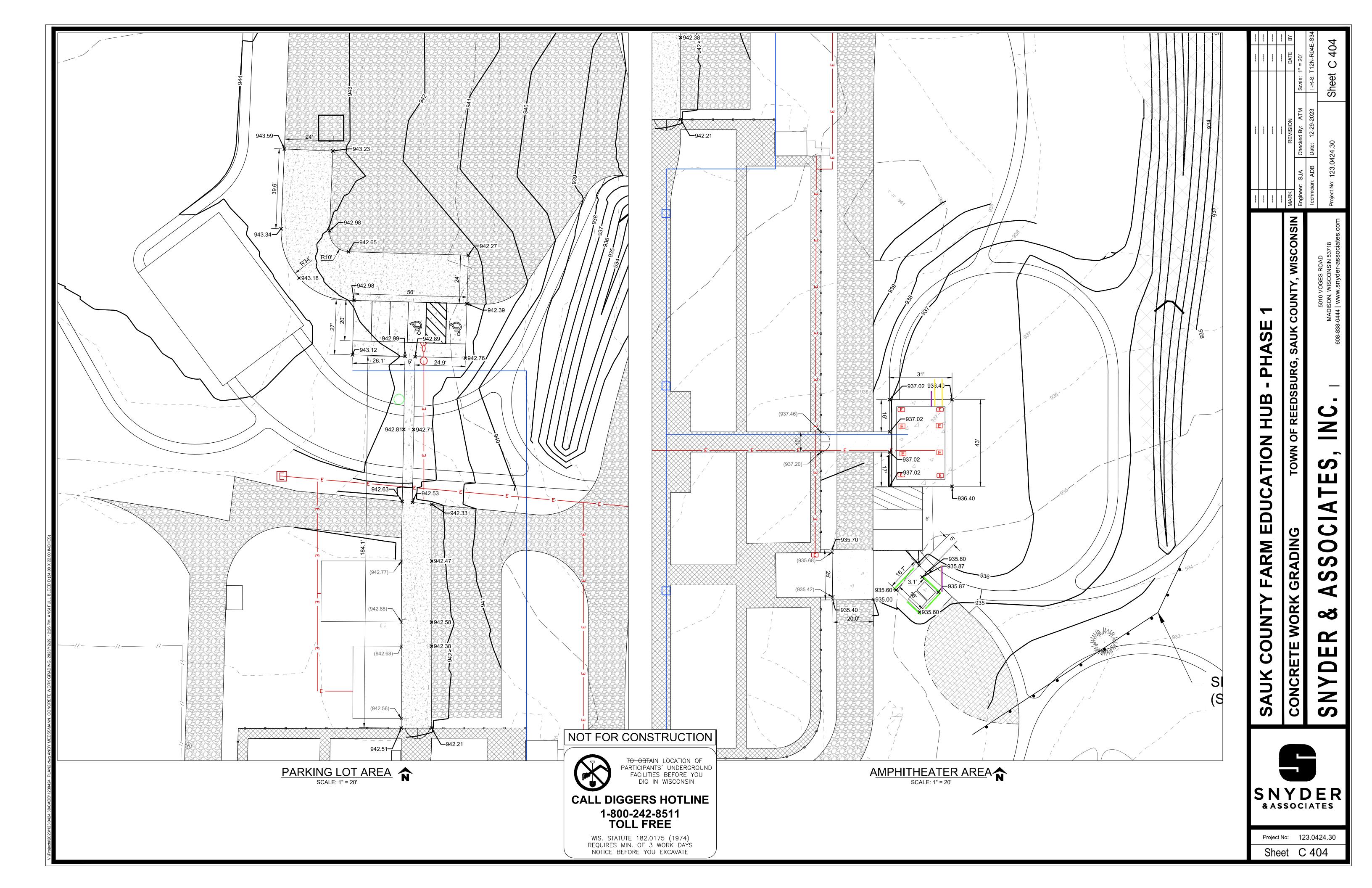
& ASSOCIATES

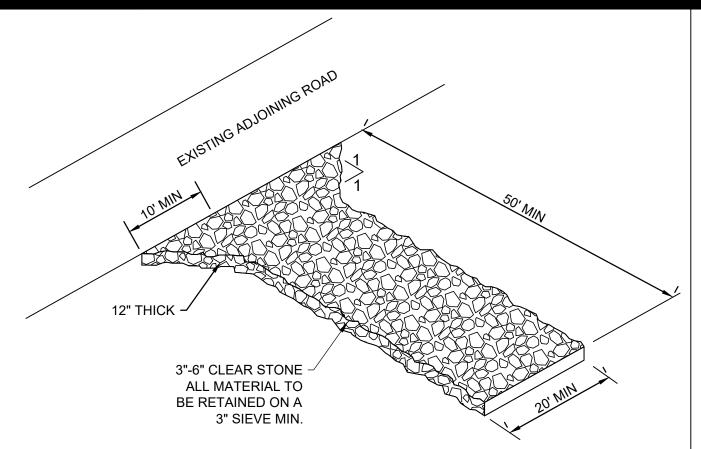


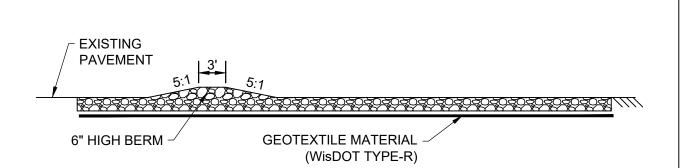










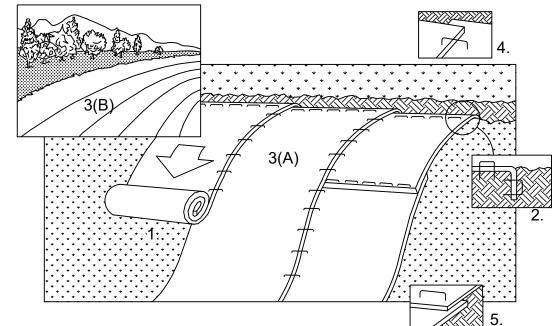


1. MAINTAIN THE ROCK ENTRANCE TO PREVENT TRACKING ONTO PAVEMENT



STONE ENTRANCE DETAIL

REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS

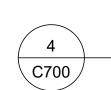


INSTALLATION:

- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ROLL THE BLANKETS (A.) DOWN THE SLOPE
- (B.) HORIZONTALLY ACROSS THE SLOPE

INSTALLED WITH PAPER SIDE DOWN.

- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
- WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
- ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.
- EROSION MAT SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD # 1052.



EROSION CONTROL MAT - SLOPE INSTALLATION

SCALE: 3"=1'

NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLES OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS FLOW .

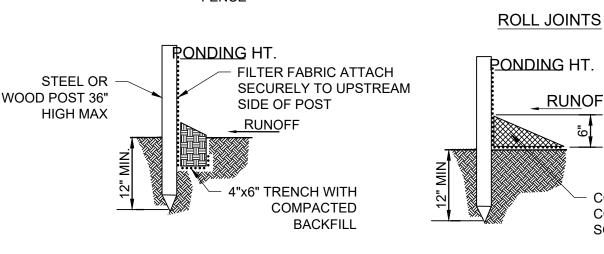
INSTALLATION:

- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED.
- BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.
- 4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"-6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
- 5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPE MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER
- 6. A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
- 7. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- 8. EROSION MAT SHALL EXTEND FOR WHICHEVER IS GREATER: UPSLOPE ONE FOOT MIN. VERTICALLY FROM DITCH BOTTOM OR 6" HIGHER THAN DESIGN FLOW DEPTH.
- 9. EROSION MAT SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS 1053.



EROSION CONTROL MAT - CHANNEL INSTALLATION N/A

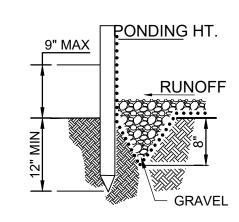
STEEL OR WOOD POST FILTER FABRIC EXTRA STRENGTH NEEDED MESH SUPPORT WITHOUT WIRE SILT FENCE B SILT FENCE A FABRIC TO BE



STANDARD DETAIL TRENCH WITH NATIVE **BACKFILL**

NOTES:

- 1. INSPECT FENCE WEEKLY AND AFTER EACH RAIN EVENT OF 0.5 INCHES AND REPAIR IF REQUIRED. REMOVE SEDIMENT WHEN NECESSARY OR WHEN SEDIMENT REACHES 1/2 OF FENCE HEIGHT.
- 2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
- 3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
- 4. SILT FENCE SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1056.



ALTERNATE DETAIL

SOIL BACKFILL

CONTINUOUS

SOIL BACKFILL

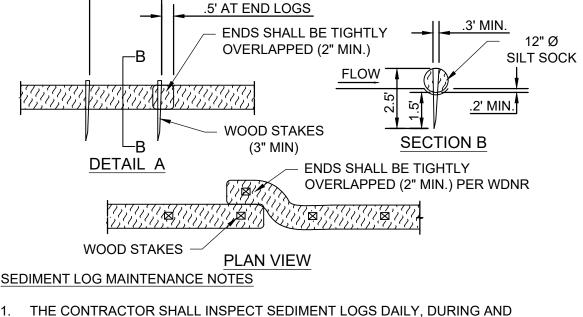
COMPACTED

WRAPPED AROUND

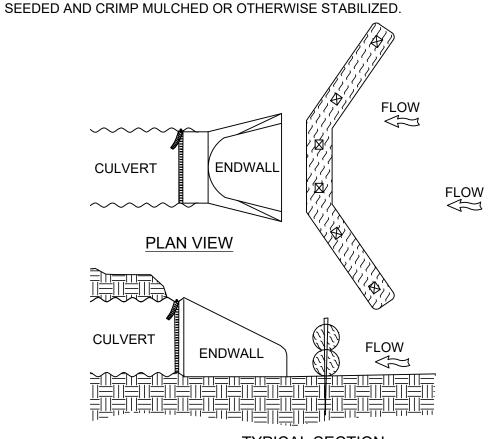
FENCE POST

ALTERNATE DETAIL TRENCH WITH GRAVEL





- THE CONTRACTOR SHALL INSPECT SEDIMENT LOGS DAILY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.
- SEDIMENT ACCUMULATED UPSTREAM OF THE SEDIMENT LOGS SHALL BE REMOVED WHEN THE UPSTREAM SEDIMENT DEPTH IS WITHIN ½ THE HEIGHT OF THE CREST OF LOG.
- SEDIMENT LOGS SHALL BE REMOVED AT THE END OF CONSTRUCTION. IF ANY DISTURBED AREA EXISTS AFTER REMOVAL, IT SHALL BE DRILL



TYPICAL SECTION

SEDIMENT LOG PROTECTION

C700 /

SEDIMENT LOG INSTALLATION NOTES

1. SEE PLAN VIEW FOR THE LOCATION AND LENGTH OF SEDIMENT

NOT FOR CONSTRUCTION

CALL DIGGERS HOTLINE

1-800-242-8511

TOLL FREE

WIS. STATUTE 182.0175 (1974)

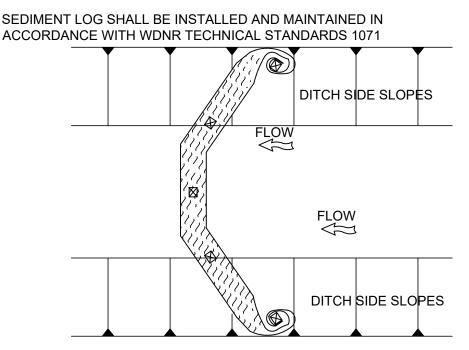
REQUIRES MIN. OF 3 WORK DAYS

NOTICE BEFORE YOU EXCAVATE

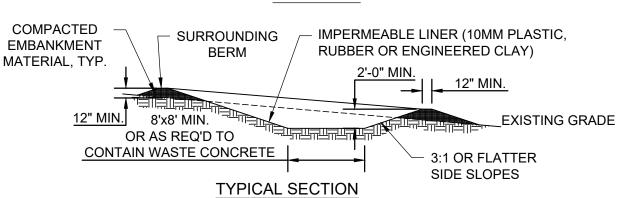
TO OBTAIN LOCATION OF

PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

- 2. SEDIMENT LOG INDICATED ON INITIAL PLAN SHALL BE INSTALLED PRIOR TO ANY LAND-DISTURBING ACTIVITIES.
- 3. SEDIMENT LOG SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR, OR COCONUT FIBER.
- 4. NOT FOR USE IN CONCENTRATED FLOW AREAS.
- 5. THE SEDIMENT LOG SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1/3 OF THE DIAMETER OF THE SILT SOCK.
- SEDIMENT LOG SHALL BE INSTALLED AND MAINTAINED IN



8'X8' MIN **TRACKING** CONTROL PAD PLAN VIEW

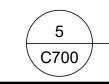


CONCRETE WASHOUT AREA INSTALLATION NOTES

- SEE EROSION CONTROL PLAN FOR LOCATIONS OF CONCRETE WASHOUT AREA(S). TO BE PLACED A MIN. OF 50' FROM DRAINAGEWAYS, BODIES OF WATER, AND INLETS.)
- 2. THE CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
- 3. VEHICLE TRACKING CONTROL PAD IS REQ'D AT THE ACCESS POINT(S).
- 4. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA(S), AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREAS TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
- 5. EXCAVATED MATERIAL SHALL BE UTILIZED IN PERIMETER BERM CONSTRUCTION.

CONCRETE WASHOUT AREA MAINTENANCE NOTES

- 6. THE CONCRETE WASHOUT AREA SHALL BE REPAIRED AND ENLARGED OR CLEANED OUT AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE
- 7. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
- 8. WHEN CONCRETE WASHOUT AREA(S) IS REMOVED, THE DISTURBED AREA SHALL BE STABILIZED PER SITE **EROSION CONTROL MEASURES.**
- 9. INSPECT WEEKLY AND DURING AND AFTER ALL STORM EVENTS. CLEAN-OUT OR COVER WASHOUT AREA PRIOR TO PREDICTED STORM EVENTS TO PREVENT OVER-FLOW.



CONCRETE WASHOUT DETAIL

Project No: 123.0424.30 Sheet C 700

SNYDER

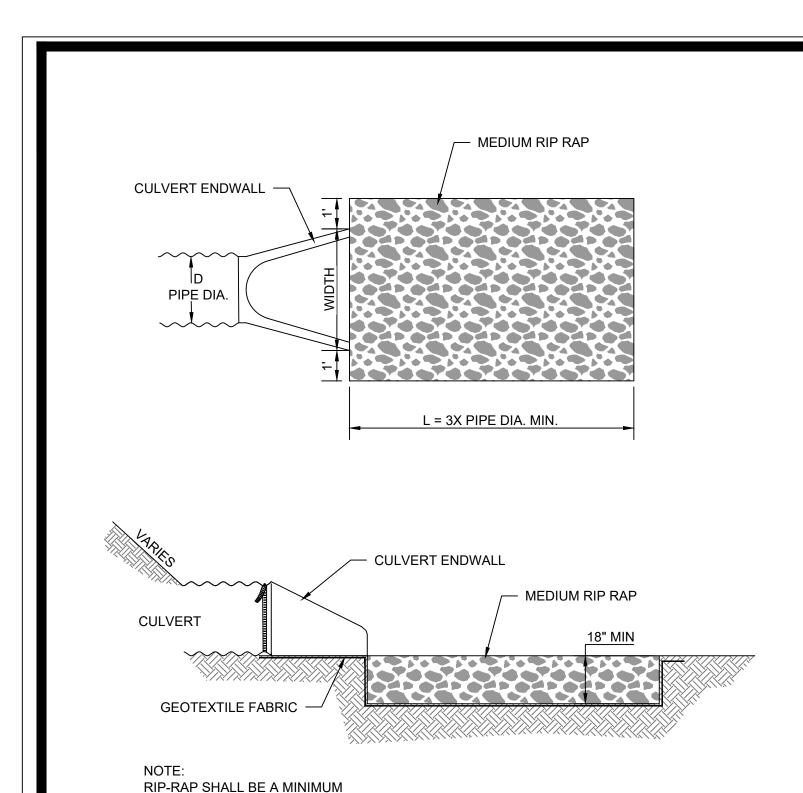
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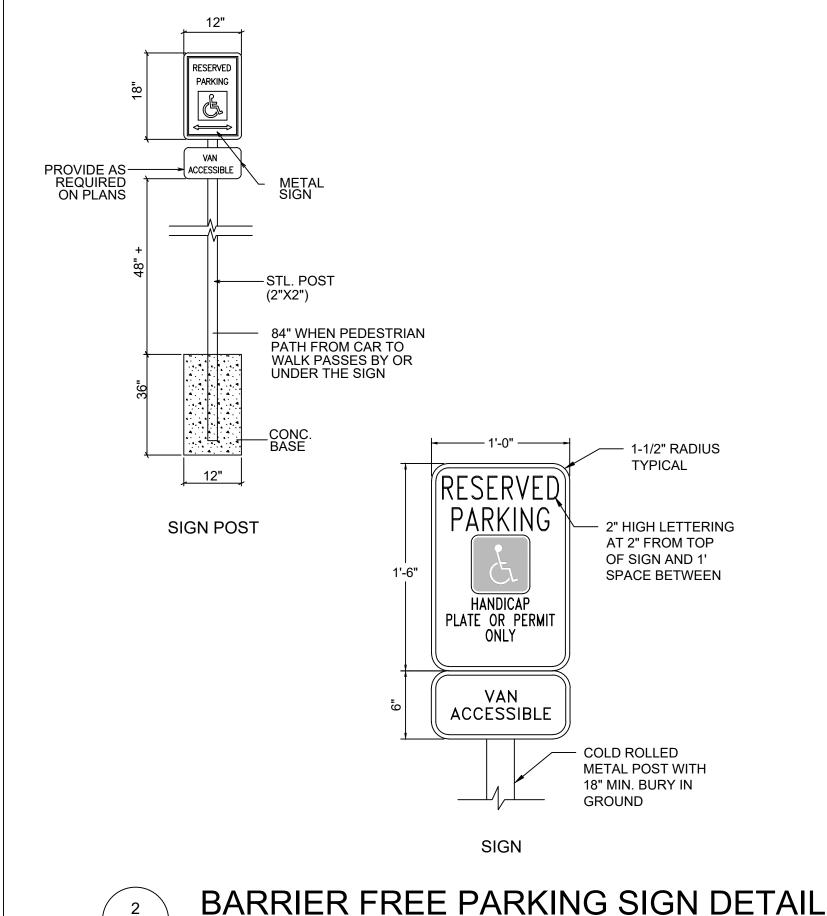
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TOLL FREE WIS. STATUTE 182.0175 (1974) 1.75" ASPHALT REQUIRES MIN. OF 3 WORK DAYS SURFACE COURSE 4 LT 58-28 S NOTICE BEFORE YOU EXCAVATE 2.5" ASPHALT BINDER COURSE 3 LT 58-28 S CONCRETE SURFACE, SEE CIVIL PLANS FOR DEPTH 10" COMPACTED, WISDOT 1/4" GRADUATION CRUSHED 6" WISDOT 1 1/4" GRADUATION **GRAVEL BASE** CRUSHED GRAVEL BASE SUBGRADE CONCRETE WALK DETAIL FINE GRADE AND COMPACT **ASPHALT PAVEMENT** SUBGRADE

- 1. IF SOFT AREAS ARE ENCOUNTERED THAT NEED TO BE UNDERCUT, NOTIFY THE ENGINEER. AREAS WILL BE PROOF ROLLED WITH A FULLY LOADED DUMP TRUCK OR WATER TRUCK. AT THE DIRECTION OF THE ENGINEER, EXCAVATE SOFT AREAS, HALL UNSUITABLE MATERIAL OFFSITE, INSTALL GEOTEXTILE FABRIC AND 12" OF BREAKER RUN.
- 2. PROVIDE HMA PAVEMENT TYPE 4 LT 58-28 S AND 3 LT 58-28 S CONFORMING TO THE REQUIREMENTS OF WISDOT SSHSC SECTION 450 AND SECTION 460.
- 3. UTILIZE THE SAME MATERIAL TYPE THROUGHOUT THE PAVING OPERATION UNLESS NOTED ELSEWHERE ON THE PLANS.
- 4. CONFORM ALL MATERIALS PROVIDED UNDER THIS SECTION TO THE REQUIREMENTS OF WISDOT SSHSC, SECTION 455 AND AS REVISED IN ANY CURRENT SUPPLEMENTAL SPECIFICATIONS.





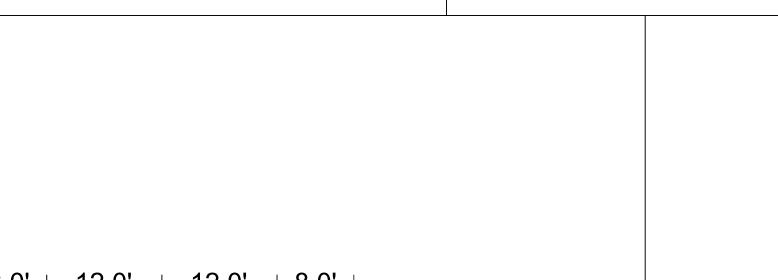
OF 2 C.Y. PER ENDWALL.

OF BREAKER RUN.

4

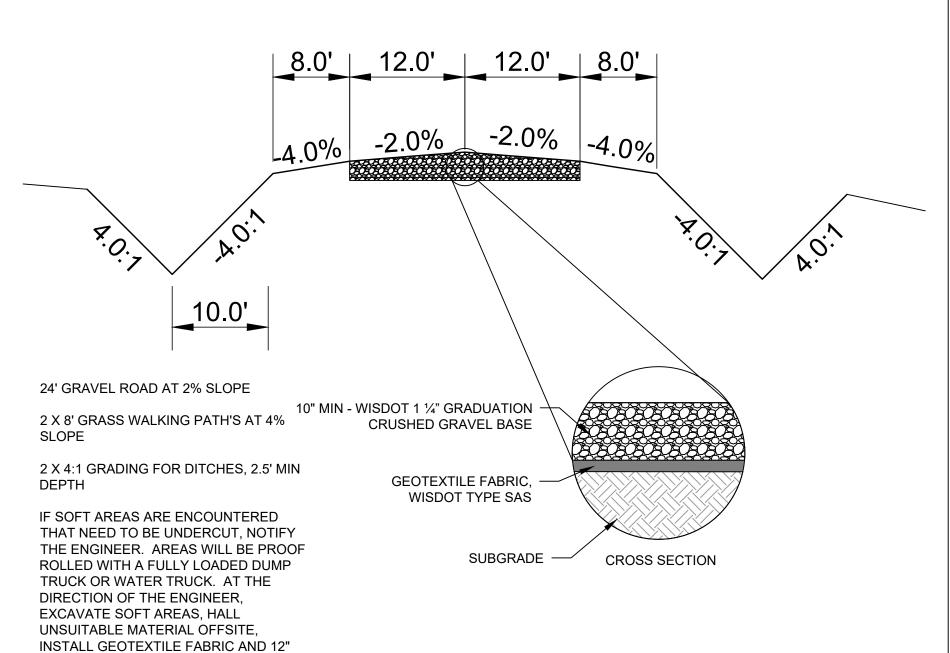
∖ C 701 ⁄

NO SCALE



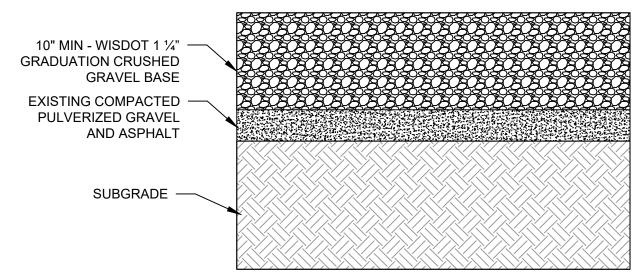
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NO SCALE



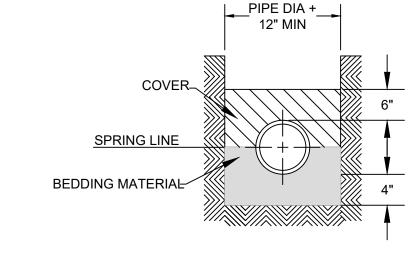
ROAD CROSS SECTION

IF SOFT AREAS ARE ENCOUNTERED THAT NEED TO BE UNDERCUT, NOTIFY THE ENGINEER. AREAS WILL BE PROOF ROLLED WITH A FULLY LOADED DUMP TRUCK OR WATER TRUCK. AT THE DIRECTION OF THE ENGINEER, EXCAVATE SOFT AREAS, HALL UNSUITABLE MATERIAL OFFSITE, INSTALL GEOTEXTILE FABRIC AND 12" OF BREAKER RUN.



PARKING LOT CROSS SECTION C 701

NO SCALE



NOTES:

INSTALLATION: PLACE 4" OF BEDDING MATERIAL BENEATH PIPE. PLACE BEDDING MATERIAL AROUND THE PIPE TO THE SPRING LINE. WORK THE MATERIAL IN AND AROUND THE PIPE BY HAND TO PROVIDE UNIFORM SUPPORT. PLACE COVER MATERIAL CAREFULLY TO A LEVEL 6" ABOVE

> **BEDDING AND COVER:** CLASS IA - CLEAN, ANGULAR CRUSHED STONE, CRUSHED ROCK, OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING GRADATION:

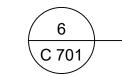
SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 8	0-5

CLASS IB- CLEAN, ANGULAR CRUSHED STONE, CRUSHED ROCK, OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING GRADATION:

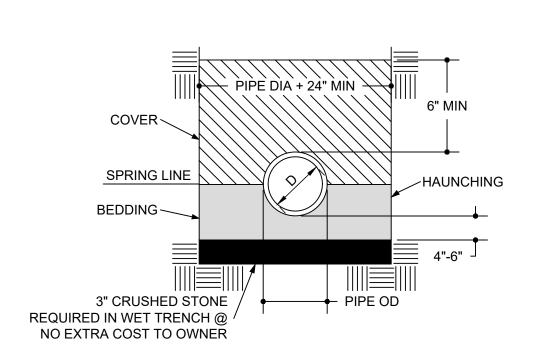
SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
3/8"	85-100
NO. 4	10-30
NO. 200	0-5

CLASS II- CLEAN COARSE-GRAINED SOILS CLASIFIEDIN ASTM D2487 AS GW, GP, SW, SP.

CLASS III- COARSE-GRAINED SOILS WITH FINES CLASSIFIED IN ASTM D2487 AS GM, GC, SM, SC.



RIGID PIPE BEDDING NO SCALE



NOT FOR CONSTRUCTION

CALL DIGGERS HOTLINE

1-800-242-8511

TO OBTAIN LOCATION OF

PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU

DIG IN WISCONSIN

BEDDING AND COVER MATERIAL CLASS IA: CRUSHED STONE OR GRAVEL CONFORMING TO FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90-100
3/8"	20-55
NO. 4	0-10
NO. 8	0-5
CLASS IB: CRUSHED STONE OR GRAVE	L CONFORMING TO FOLLOWING GRADATION:
SIEVE SIZE	% PASSING BY WEIGHT
1/2"	100
2/0"	95 100

CLASS II: SAND, GRAVELS, AND SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES. SOIL TYPES GW, GP, SW, AND SP.

10-30

CLASS III: SANDS, GRAVELS, AND SAND-GRAVEL MIXTURES WITH FINES. SOIL TYPES GM, GC, SM, AND SC.

PLACE AND COMPACT BEDDING AND COVER IN MAXIMUM 6" LAYERS. WORK MATERIAL IN AND AROUND PIPE BY HAND TO PROVIDE UNIFORM SUPPORT. COMPACT CLASS IB WITH HAND TAMPER OR VIBRATORY COMPACTOR TO 85% STANDARD PROCTOR, COMPACT CLASS II WITH VIBRATORY COMPACTOR TO 85% STANDARD PROCTOR, COMPACT CLASS III WITH VIBRATORY COMPACTOR TO 90% STANDARD PROCTOR.





SHEE

DETAIL

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Project No: 123.0424.30

Sheet C 701

GENERAL LANDSCAPE NOTES

- UTILITY WARNING: THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT
- NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTOR'S CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLANS AS CLOSELY AS POSSIBLE. ANY SUBSTITUTION OR ALTERATION SHALL NOT BE ALLOWED WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE. OVERALL PLANT QUANTITY AND 25. ALL TREES ARE TO BE STAKED AND GUYED PER DETAILS. OBTAIN APPROVAL BY QUALITY SHALL BE CONSISTENT WITH THE PLANS.
- ALL PLANT MATERIAL SHALL AT LEAST MEET MINIMUM REQUIREMENTS SHOWN IN 26. ALL TREES INSTALLED ABOVE RETAINING WALLS UTILIZING GEO-GRID MUST BE THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1-LATEST EDITION).
- MULCH SHALL NOT BE PLACED AROUND THE COLLAR OF SHRUB OR TREE. PROVIDE A MINIMUM OF 2" BETWEEN MULCH AND COLLAR OF SHRUB OR TREE.
- ALL PLANT MATERIAL SHALL BE GROWN IN ZONE CAPABLE OF WITHSTANDING LOCAL CLIMATE AND GROWING CONDITIONS.
- TREE OR SHRUB SHALL STAND PLUMB. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACK FILLING.
- LIVE PLANTS CAN BE PLANTED IN THE FIELD DURING THE GROWING SEASON FROM MAY 1 THROUGH OCTOBER 1. ANY SUGGESTED PLANTING TIMES NOT IN THIS WINDOW SHALL BE APPROVED BY LANDSCAPE ARCHITECT. IF PLANTING OCCURS OUTSIDE OF THIS WINDOW, ADDITIONAL MEASURES MAY NEED TO BE TAKEN (I.E. MULCH) TO ENSURE PLANT SURVIVAL. IN THESE INSTANCES, THE CONTRACT PRICE MAY NEED TO BE ADJUSTED ACCORDINGLY.
- BARE ROOT TREES SHALL BE PLANTED IN THE FIELD DURING TREE DORMANCY IN THE FALL AFTER THE LEAVES HAVE DROPPED OR EARLY SPRING BEFORE LEAVES. FRUIT OR NEW GROWTH APPEARS. EVERGREEN BARE ROOT TREES SHALL BE PLANTED WHEN LIGHT BROWN CLUSTERS FORM AT THE TOP OF THE TREE. ALL BARE ROOT TREES AND PLANTS SHALL BE SOAKED IN WATER 3 TO 6 HOURS PRIOR TO PLANTING. DO NOT ALLOW ROOTS TO DRY.
- 10. PLANTS SHOULD BE WATERED IN AFTER INSTALLATION TO ENSURE THEIR SURVIVAL. THIS TYPICALLY INVOLVES WATERING AT TIME OF INSTALLATION AND 2 TIMES WEEKLY FOR A ONE MONTH PERIOD OR UNTIL GROUND FREEZE UP IF NATURAL RAINFALLS ARE INSUFFICIENT. A SINGLE WATERING EVENT INVOLVES WATERING THE SOIL IN THE PLANTED AREAS TO THE POINT OF SATURATION BUT STOPPING SHORT OF SOIL DISPLACEMENT. SHOULD VERY DRY CONDITIONS DEVELOP WITHIN ONE YEAR OF PLANTING, ADDITIONAL WATERINGS MAY BE NECESSARY, CONSULTANT OR LANDSCAPE ARCHITECT WILL DETERMINE THIS AND CONTRACT PRICES MAY BE ADJUSTED TO ACCOMMODATE THIS ACTION.
- 11. ALL PLANT MATERIAL SHALL BE SPECIMEN QUALITY, HEALTHY, FREE OF DISEASE AND INSECTS AND SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS. PLANTS SHALL ALSO BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT VIGOROUS GROWTH.
- 12. ALL PROPOSED PLANTS SHALL BE LOCATED AS SHOWN ON PLANS. ALL TREES TO BE PLANTED A MINIMUM DISTANCE OF 5 FEET FROM PAVEMENTS AND 6 FEET FROM ALL HYDRANTS.
- 13. CONTRACTOR IS RESPONSIBLE FOR PLANTS AWAITING INSTALLATION AND SHALL PROTECT THEM FROM INJURY AND THEFT.
- 14. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES. GRAPHIC QUANTITIES TAKES PRECEDENCE OVER WRITTEN QUANTITIES.
- 15. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND TAG ALL PLANT MATERIAL PRIOR TO SHIPPING TO THE SITE. IN ALL CASES, THE OWNER'S REPRESENTATIVE MAY REJECT PLANT MATERIAL AT THE SITE IF MATERIAL IS DAMAGED, DISEASED, OR DECLINING IN HEALTH AT THE TIME OF ONSITE INSPECTIONS OR IF THE PLANT MATERIAL DOES NOT MEET THE MINIMUM SPECIFIED STANDARD IDENTIFIED ON THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR INSPECTION AND APPROVAL OF ALL MATERIALS AND PRODUCTS PRIOR TO INSTALLATION.
- THE OWNER'S REPRESENTATIVE MAY ELECT TO UPSIZE PLANT MATERIAL AT THEIR DISCRETION BASED ON SELECTION, AVAILABILITY, OR TO ENHANCE SPECIFIC AREAS OF THE PROJECT. THE CONTRACTOR SHALL VERIFY PLANT MATERIAL SIZES WITH OWNER'S REPRESENTATIVE PRIOR TO PURCHASING, SHIPPING OR STOCKING OF PLANT MATERIALS. SUBMIT CHANGE ORDER REQUEST TO OWNER'S REPRESENTATIVE FOR APPROVAL IF ADDITIONAL COST IS REQUESTED BY THE CONTRACTOR PRIOR TO INSTALLATION. RE-STOCKING CHARGES WILL NOT BE APPROVED IF THE CONTRACTOR FAILS TO SUBMIT A REQUEST FOR MATERIAL CHANGES.
- 17. THE CONTRACTOR SHALL WARRANTY ALL CONTRACTED WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION HAS BEEN ISSUED BY THE OWNER'S REPRESENTATIVE FOR THE ENTIRE PROJECT UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- 18. LANDSCAPE MATERIAL LOCATIONS SHALL HAVE PRECEDENCE OVER IRRIGATION MAINLINE AND LATERAL LOCATIONS. IF IRRIGATION IS INCLUDED, COORDINATE INSTALLATION OF IRRIGATION EQUIPMENT SO THAT IT DOES NOT INTERFERE WITH THE PLANTING OF TREES OR OTHER LANDSCAPE MATERIAL.
- 19. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE EXISTS IN ALL LANDSCAPE AREAS. SURFACE DRAINAGE ON LANDSCAPE AREAS SHALL NOT FLOW TOWARD STRUCTURES AND FOUNDATIONS. MAINTAIN SLOPE AWAY FROM FOUNDATIONS PER THE GEOTECHNICAL REPORT RECOMMENDATIONS. ALL LANDSCAPE AREAS BETWEEN WALKS AND CURBS SHALL DRAIN FREELY TO THE CURB UNLESS OTHERWISE IDENTIFIED ON THE GRADING PLAN. IN NO CASE SHALL THE GRADE, TURF THATCH, OR OTHER LANDSCAPE MATERIALS DAM WATER AGAINST WALKS. MINIMUM SLOPES ON LANDSCAPE AREAS SHALL BE 2%; MAXIMUM SLOPE SHALL BE 25% UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS OR APPROVED BY THE OWNER'S REPRESENTATIVE.
- 20. PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE THOROUGHLY LOOSENED TO A DEPTH OF 8" - 12".
- 21. ALL LANDSCAPED AREAS ARE TO RECEIVE ORGANIC SOIL PREPARATION PER RATE IDENTIFIED BY A SOIL TEST.

- 22. TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DRAINAGE AREAS, OR UTILITY EASEMENTS. CONTACT OWNER'S REPRESENTATIVE FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS PRIOR TO INSTALLATION.
- WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. 23. THE CENTER OF EVERGREEN TREES SHALL NOT BE PLACED CLOSER THAN 8' AND THE CENTER OF ORNAMENTAL TREES CLOSER THAN 6' FROM A SIDEWALK, STREET OR DRIVE LANE. EVERGREEN TREES SHALL NOT BE LOCATED ANY CLOSER THAN 15' FROM IRRIGATION ROTOR HEADS. NOTIFY OWNER'S REPRESENTATIVE IF TREE LOCATIONS CONFLICT WITH THESE STANDARDS FOR FURTHER DIRECTION.
 - 24. ALL EVERGREEN TREES SHALL BE FULLY BRANCHED TO THE GROUND AND SHALL NOT EXHIBIT SIGNS OF ACCELERATED GROWTH AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
 - OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.
 - HAND DUG TO PROTECT GEO-GRID. IF GEO-GRID MUST BE CUT TO INSTALL TREES, APPROVAL MUST BE GIVEN BY OWNER'S REPRESENTATIVE PRIOR TO DOING WORK.
 - 27. ALL TREES IN SEED OR TURF AREAS SHALL RECEIVE MULCH RINGS. OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE FOR ANY TREES THAT WILL NOT BE MULCHED FOR EXCESSIVE MOISTURE REASONS.
 - 28. EXISTING TURF AREAS THAT ARE DISTURBED DURING CONSTRUCTION, ESTABLISHMENT AND THE MAINTENANCE PERIOD SHALL BE RESTORED WITH NEW SOD TO MATCH EXISTING TURF SPECIES. DISTURBED NATIVE AREAS WHICH ARE TO REMAIN SHALL BE OVER SEEDED AND RESTORED WITH SPECIFIED SEED MIX.
 - 29. WHEN COMPLETE, ALL GRADES SHALL BE WITHIN +/- 1/8" OF FINISHED GRADES AS SHOWN ON THE PLANS.

DEMO NOTES

- ALL UTILITIES INDICATED ON THE DRAWINGS REFLECT APPROXIMATE LOCATIONS. THE CONTRACTOR IS TO VERIFY EXACT LOCATIONS OF BOTH EXISTING AND PROPOSED UTILITIES PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING UTILITIES, WALKWAYS OR OTHER EXISTING STRUCTURES AND IMPROVEMENTS THAT IS A RESULT OF THEIR WORK. THE REPAIR OF SUCH DAMAGE WILL BE AT NO ADDITIONAL COST TO THE OWNER. DOCUMENT ALL EXISTING DAMAGES PRIOR TO BEGINNING WORK. ANY DAMAGES NOT DOCUMENTED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE EXISTING CONDITIONS PLAN INDICATES THE APPROXIMATE LOCATIONS OF WORK ITEMS WHICH WILL BE REQUIRED AS PART OF THIS CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE THEMSELF WITH THE SITE AND TO VERIFY THE QUANTITIES AND LOCATIONS OF ITEMS TO BE CLEANED UP AND REMOVED.
- ALL USEABLE SALVAGED MATERIALS TO BE TURNED OVER TO THE OWNER'S REPRESENTATIVE UNLESS OTHERWISE INDICATED.
- 5. THE CONTRACTOR SHALL TAKE MEASURES TO PROTECT THE EXISTING TREES ON THE SITE FROM ANY DAMAGES DURING THE PROGRESS OF WORK.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR SECURITY OF THE SITE WHEN LEFT UNATTENDED. FENCES AND OR BARRICADES SHALL BE MAINTAINED ALONG THE LIMITS OF CONSTRUCTION.
- 7. KEEP THE PREMISES CLEAN AND ORDERLY DURING CONSTRUCTION. DISPOSE OF ALL REMOVED MATERIALS AT AN APPROVED DUMP SITE WITHIN 24 HOURS OF REMOVAL. STOCKPILING ON THE SITE WILL BE ALLOWED ONLY WITH APPROVAL FROM THE OWNER'S REPRESENTATIVE. SCHEDULE REMOVALS TO INSURE THAT NO PARTIALLY DISASSEMBLED EQUIPMENT IS LEFT ON SITE OVERNIGHT.
- 8. ALL ADJACENT LANDSCAPE, UTILITIES, SIGNS AND HARDSCAPE SHALL REMAIN UNDISTURBED UNLESS SPECIFICALLY AUTHORIZED BY THE OWNER'S REPRESENTATIVE.
- 9. IF UNEXPECTED CONDITIONS ARE ENCOUNTERED DURING DEMOLITION, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR RESOLUTION.
- 7. ANY BURIED, NON-HAZARDOUS DEBRIS ENCOUNTERED DURING EXCAVATION THAT LIMITS THE CONSTRUCTION OF SITE FEATURES SHALL BE REMOVED AND THE PROPER SUBBASE MATERIAL AND COMPACTION SHALL BE FOLLOWED PER THE SPECIFICATIONS. ALL INSTANCES SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 8. THE CONTRACTOR SHALL NOTIFY THE COUNTY IMMEDIATELY IF ANY HAZARDOUS WASTE IS UNCOVERED DURING CONSTRUCTION.
- SEE GENERAL CONDITIONS AND TECHNICAL SPECIFICATIONS FOR FURTHER INFORMATION AND REQUIREMENTS.

BIORETENTION PLANTING NOTES

- BIORETENTION SHALL CONFORM TO WIS. DNR TECH STANDARD 1004.
- 2. ENGINEERED SOIL SHALL CONSIST OF 70%-85% SILICA SAND AND 15%-30% COMPOST WITH A PH OF 5.5-6.5
- BIORETENTION BASINS SHALL BE EXCAVATED AND USED AS SEDIMENT TRAPS DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION AND SITE STABILIZATION, THE BASINS SHALL BE OVER-EXCAVATED 3 FEET MINIMUM AND THEN THE SAND LAYER AND ENGINEERED SOIL SHALL BE PLACED TO WITHIN THREE INCHES OF FINAL GRADE. ONCE THE ENGINEERED SOIL IS PLACED, A COCONUT FIBER MAT SHALL BE ADDED ON TOP OF THE ENGINEERED SOIL.
- FIELD INFILTRATION TESTING: IMMEDIATELY AFTER ROUGH GRADING OF STORMWATER BIOINFILTRATION AND INFILTRATION DEVICES. PROVIDE FIELD INFILTRATION TESTING CONDUCTED BY A THIRD-PARTY TESTING AGENCY TO VERIFY INFILTRATION RATES FOR ALL STORMWATER BIOINFILTRATION AND INFILTRATION DEVICES. DETERMINE INFILTRATION RATES IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) SITE EVALUATION FOR STORMWATER INFILTRATION, STANDARD 1002. FREQUENCY OF TESTING SHALL BE 1 TEST PER 5000 SQUARE FEET OF SURFACE AREA OF THE STORMWATER INFILTRATION DEVICE MEASURED AT THE DESIGN HIGH WATER LEVEL AND AT LEAST ONE TEST PER DEVICE. FURNISH A REPORT OF THE TEST RESULTS TO ARCHITECT/ENGINEER. TESTING SHALL BE COMPLETED AT THE EXPENSE OF THE CONTRACTOR.
- SPECIFIC SPECIES OR CONTAINER SIZE SUGGESTED SUBSTITUTIONS SHALL BE PRESENTED TO CONSULTANT ALONG WITH THE REASONS FOR THE SUGGESTIONS. WITH CONSULTANT OR PROJECT ENGINEER'S APPROVAL, SUBSTITUTIONS MAY BE
- 6. LIVE PLANTS CAN BE PLANTED IN THE FIELD DURINGTHE GROWING SEASON FROM MAY 1 THROUGH OCTOBER 1. ANY SUGGESTED PLANTING TIMES NOT IN THIS WINDOW SHALL BE APPROVED BY CONSULTANT OR ENGINEER. IF PLANTING OCCURS OUTSIDE OF THIS WINDOW ADDITIONAL MEASURES MAY NEED TO BE TAKEN (I.E. MULCH) TO ENSURE PLANT SURVIVAL. IN THESE INSTANCES, THE CONTRACT PRICE MAY NEED TO BE ADJUSTED ACCORDINGLY.
- ALL PLANTED MATERIALS WILL BE WARRANTED BY INSTALLATION CONTRACTOR TO BE IN HEALTHY CONDITION WITH A REPLACEMENT GUARANTEE FOR A PERIOD OF ONE YEAR FROM THE DATE OF PLANTING.
- 8. NATIVE PLANTS SHOULD BE WATERED IN AFTER INSTALLATION TO ENSURE THEIR SURVIVAL. THIS TYPICALLY INVOLVES WATERING AT TIME OF INSTALLATION AND 2 TIMES WEEKLY FOR A ONE MONTH PERIOD OR UNTIL GROUND FREEZE UP IF NATURAL RAINFALLS ARE INSUFFICIENT. A SINGLE WATERING EVENT INVOLVES WATERING THE SOIL IN THE PLANTED AREAS TO THE POINT OF SATURATION BUT STOPPING SHORT OF SOIL DISPLACEMENT. SHOULD VERY DRY CONDITIONS DEVELOP WITHIN ONE YEAR OF PLANTING, ADDITIONAL WATERINGS MAY BE NECESSARY, CONSULTANT OR PROJECT ENGINEER WILL DETERMINE THIS AND CONTRACT PRICES MAY BE ADJUSTED TO ACCOMMODATE THIS ACTION.
- 9. PLANTS SHALL BE PLANTED IN THE BIORETENTION AREA AT A MINIMUM OF ONE PLANT PER EVERY 12" ON CENTER.
- 10. UPON COMPLETION OF EXCAVATING & GRADING OPERATIONS, A LOOSE, FRIABLE PLANT BED SHALL BE PREPARED FOR INSTALLATION OF NATIVE PLANT PLUGS.
- 11. CARE SHALL BE TAKEN TO MINIMIZE SOIL COMPACTION DURING CONSTRUCTION ACTIVITY. BY EXAMPLE OF A STANDARD SOIL PENETROMETER (COMPACTION TESTER), THE TOPSOIL COMPACTION READINGS SHALL BE LESS THAN 200 PSI AT THE 0-6 INCH DEPTH AND LESS THAN 250 PSI AT THE 6-18 INCH DEPTHS IN ALL AREAS TO BE PLANTED.
- 12. UNDULATIONS OR IRREGULARITIES IN THE PLANT BED WHICH WOULD INTERFERE WITH A CONSISTENT SEEDING OPERATION SHALL BE LEVELED PRIOR TO FINAL SEEDING.
- 13. FINAL PLANTING AREA SHOULD BE GRADED SUCH THAT THE AREAS TO BE PLANTED SHALL CONSIST OF A SMOOTH, FREE DRAINING, EVEN SURFACE WITH A LOOSE POROUS TEXTURE.

Sauk County Farm Education Hub Stormwater Basin Plug					
Common Name	Scientific Name	Growth Form			
Swamp milkweed	Asclepia incamata	Forb			
Boneset	Eupatorium perfoliatum	Forb			
Spotted Joe-Pye Weed	Eutrochium maculatum	Forb			
Tall sunflower	Helianthus giganteus	Forb			
Cardinal flower	Lobelia cardinalis	Forb			
Blue lobelia	Lobelia siphilitica	Forb			
Virginia mountain mint	Pycnanthemum virginianum	Forb			
New England Aster	Symphyotrichum novae-angliae	Forb			
Blue vervain	Verbena hastata	Forb			
Canada blue joint	Calamagrostis Canadensis	Grass			
Virginia wild rye	Elymus virginicus	Grass			
Prairie cordgrass	Spartina pectinata	Grass			
Bebb's sedge	Carex bebbiana	Sedge			
Tussock sedge	Carex stricta	Sedge			
Fox sedge	Carex vulpinoidea	Sedge			
Dark green bulrush	Scirpus atrovirens	Sedge			
Woolgrass	Scirpus cyperinus	Sedge			
Install an equal mix of all lis	sted plants				



NOT FOR CONSTRUCTION

Table 1. Sauk County Farm Education Hub: Prairie Seed Mix¹

		Seed Metrics			
Nomeno	ature	Oz/Acre	Seeds/Oz	Seeds/ft ²	% Mix by No. Seeds
Scientific Name	Common Name				
Grasses, Sedges, Rushes					
Andropogon gerardii	Big Bluestem	4.00	10,000	0.90	1.66
Bouteloua curtipendula	Side oats Grama	36.00	6,000	5.00	8.95
Carex bicknellii	Bicknell's Oval Sedge	0.50	17,000	0.20	0.35
Carex brevior	Fescue Sedge	0.75	29,000	0.50	0.90
Carex molesta	Field Oval Sedge	0.50	25,000	0.30	0.52
Elymus canadensis	Canada Wild Rye	28.00	5,200	3.30	6.03
Panicum virgatum	Switch Grass	2.00	14,000	0.60	1.16
Schizachyrium scoparium	Little Bluestem	28.00	15,000	9.60	17.41
Sorghastrum nutans	Indian Grass	6.00	12,000	1.70	2.98
Forbs	•	•	•		•
Agastache foeniculum	Blue Giant Hyssop	0.50	90,000	1.00	1.86
Allium cernuum	Nodding Onion	1.00	7,600	0.20	0.31
Amorpha canescens	Lead Plant	1.50	16,000	0.60	0.99
Arnoglossum atriplicifolium	Prairie Plantain	1.00	6,000	0.10	0.25
Artemisia ludoviciana	Louisiana Sage Wort	0.20	250,000	1.10	2.07
Asclepias tuberosa	Butterfly Weed	1.50	4,300	0.10	0.27
Astragalus canadensis	Canadian Milk Vetch	1.50	17,000	0.60	1.06
Baptisia alba	White Wild Indigo	1.00	1,700	0.00	0.07
Chamaecrista fasciculata	Partridge Pea	6.00	2,700	0.40	0.67
Dalea candida	White Prairie Clover	1.00	19,000	0.40	0.79
Dalea purpurea	Purple Prairie Clover	4.00	15,000	1.40	2.49
Drymocallis arguta	Prairie Cinquefoil	0.60	230,000	3.20	5.72
Echinacea pallida	Pale Purple Coneflow er	2.00	5,200	0.20	0.43
Eryngium yuccifolium	Rattlesnake Master	1.50	7,500	0.30	0.47
Heliopsis helianthoides	False Sunflow er	1.50	6,300	0.20	0.39
Lespedeza capitata	Round-headed Bush Clover	1.00	8,000	0.20	0.33
Liatris aspera	Rough Blazing Star	0.50	16,000	0.20	0.33
Lupinus perennis	Wild Lupine	1.00	1,100	0.00	0.05
Monarda fistulosa	Wild Bergamot	1.00	70,000	1.60	2.90
Oligoneuron rigidum	Stiff Goldenrod	1.50	41,000	1.40	2.55
Pycnanthemum virginianum	Mountain Mint	0.20	220,000	1.00	1.82
Ratibida pinnata	Yellow Coneflower	1.50	30,000	1.00	1.86
Rudbeckia hirta	Black-eyed Susan	4.00	92.000	8.40	15.25
Silphium laciniatum	Compass Plant	2.00	660	0.00	0.05
Solidago speciosa	Show y Goldenrod	0.50	95,000	1.10	1.97
Symphyotrichum laeve	Smooth Blue Aster	1.00	<u>'</u>		2.28
<u> </u>			55,000	1.30	
Symphyotrichum novae-angliae Tradescantia ohiensis	New England Aster	0.20 1.50	66,000	0.30	0.55
	Ohio Spiderw ort		8,000	0.30	0.50
Verbena stricta	Hoary Vervain	2.00	28,000	1.30	2.32
Veronicastrum virginicum	Culver's Root	0.25	800,000	4.60	8.29
Zizia aurea	Golden Alexanders	2.50	11,000	0.60	1.14

Seed Metrics

Diversity and Density Metrics				
Plant Type	Species Richness	Total Oz/Acre	Total Seeds/ft ²	% Mix by No. Seeds
Grasses and Sedges	9	105.8	22.1	40.0
Forbs	31	45.5	33.3	60.0
Totals	40	151.2	55.4	100

crop based on timing of installation.

¹ Seed mix is designed for	1.0acre. This seed mix	should be insta	lled w ith an ap	propriate ten	porary co
Table 2. Sauk County Fa	rm Education Hub: Oal	k Savanna See			
Nomenclature		Seed Metrics			
Scientific Name Common Name		Oz/Acre	Seeds/Oz	Seeds/ft ²	% Mix by No.
					Seeds
Grasses, Sedges, Rushes					
Andropogon gerardii	Big Bluestem	8.00	10,000	1.80	2.61
Bouteloua curtipendula	Side oats Grama	6.00	6,000	0.80	1.18
Bromus kalmii	Prairie Brome	6.00	8,000	1.10	1.57
Carex blanda	Common Wood Sedge	2.00	12,500	0.60	0.82
Carex brevior	Fescue Sedge	1.00	29,000	0.70	0.95
Carex molesta	Field Oval Sedge	1.00	25,000	0.60	0.82
Elymus canadensis	Canada Wild Rye	8.00	5,200	1.00	1.36
Elymus hystrix	Bottlebrush Grass	10.00	7,600	1.70	2.48
Elymus villosus	Hairy Wild Rye	8.00	5,500	1.00	1.44
Elymus virginicus	Virginia Wild Rye	14.00	4,200	1.30	1.92
Festuca subverticillata	Nodding Fescue	1.00	20,000	0.50	0.65
Panicum virgatum	Switch Grass	2.00	14,000	0.60	0.91
Schizachyrium scoparium	Little Bluestem	18.00	15,000	6.20	8.81
Sorghastrum nutans	Indian Grass	6.00	12,000	1.70	2.35
Forbs					
Agastache foeniculum	Blue Giant Hyssop	1.00	90,000	2.10	2.94
Agastache scrophulariaefolia	Purple Giant Hyssop	1.00	93,000	2.10	3.04
Amorpha canescens	Lead Plant	1.50	16,000	0.60	0.78
Aquilegia canadensis	Columbine	2.00	38,000	1.70	2.48
Amoglossum atriplicifolium	Prairie Plantain	2.00	6,000	0.30	0.39
Asclepias tuberosa	Butterfly Weed	1.50	4,300	0.10	0.21
Astragalus canadensis	Canadian Milk Vetch	1.00	17,000	0.40	0.55
Blephilia hirsuta	Hairy Wood Mint	0.50	240,000	2.80	3.92
Campanula americana	Tall Bellflower	0.50	170,000	2.00	2.77
Chamaecrista fasciculata	Partridge Pea	2.00	2,700	0.10	0.18
Dodecatheon meadia	Eastern Shooting Star	0.50	60,000	0.70	0.98
Drymocallis arguta	Prairie Cinquefoil	0.50	230,000	2.60	3.75
Echinacea pallida	Pale Purple Coneflower	1.50	5,200	0.20	0.25
	·		,		
Eutrochium purpureum	Purple Joe Pye Weed	0.50	42,000	0.50	0.69
Heliopsis helianthoides	False Sunflower	1.50	6,300	0.20	0.31
Lespedeza capitata	Round-headed Bush Clover	1.00	8,000	0.20	0.26
Monarda fistulosa	Wild Bergamot	1.50	70,000	2.40	3.43
Polemonium reptans	Jacob's Ladder	1.00	18,000	0.40	0.59
Polygonatum biflorum	Solomon's Seal	1.00	800	0.00	0.03
Ratibida pinnata	Yellow Coneflower	1.00	30,000	0.70	0.98
Rudbeckia hirta	Black-eyed Susan	4.00	92,000	8.40	12.01
Rudbeckia triloba	Brown-eyed Susan	1.00	34,000	0.80	1.11
Scrophularia lanceolata	Early Figwort	1.00	185,000	4.20	6.04
Solidago ulmifolia	Elm-leaved Goldenrod	1.00	130,000	3.00	4.24
Symphyotrichum laeve	Smooth Blue Aster	0.50	55,000	0.60	0.9
Symphyotrichum lateriflorum	Calico Aster	0.50	250,000	2.90	4.08
Symphyotrichum shortii	Short's Aster	0.50	60,000	0.70	0.98
Tradescantia ohiensis	Ohio Spiderwort	0.50	8,000	0.10	0.13
Veronicastrum virginicum	Culver's Root	0.50	800,000	9.20	13.06
Zizia aurea	Golden Alexanders	3.00	11,000	0.80	1.08
Diversity and Density Me			.,		L
Plant Type	Species Richness	Total Oz/Acre	Total	% Mix by	
			Seeds/ft ²	No. Seeds	
Grasses and Sedges	14	91.0	19.6	27.9	1
Forbs	30	35.5	50.7	72.2	1
Totals	44	126.5	70.3	100	-
			ed with an appro		J

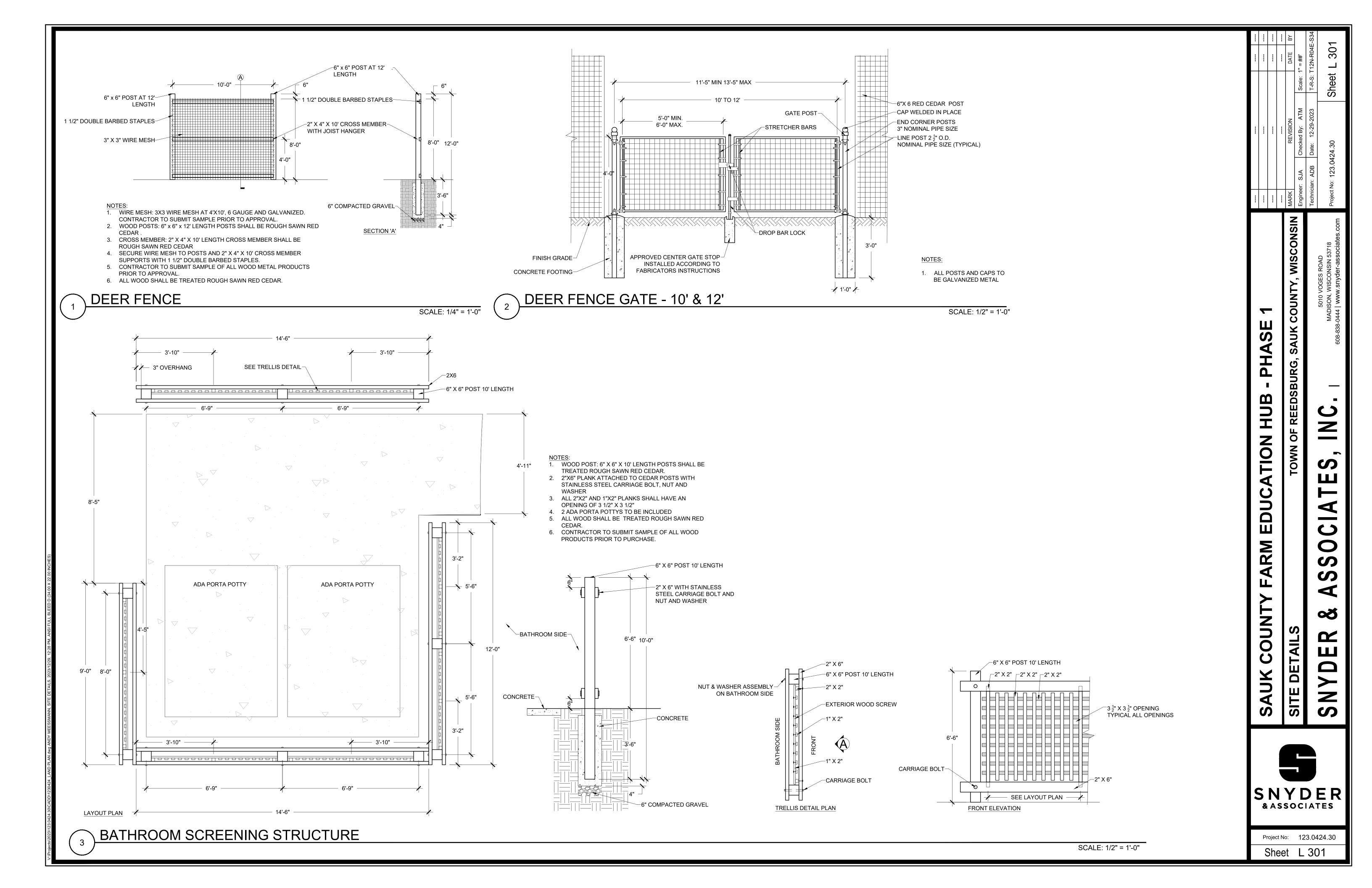
crop based on timing of installation

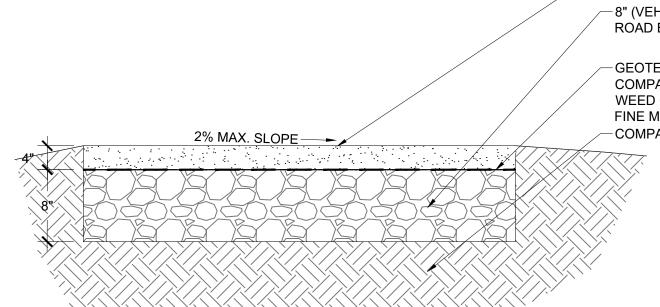
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SNYDER & ASSOCIATES

Project No: 123.0424.30

Sheet L 100





1. MATERIAL: DECOMPOSED GRANITE STABILIZED PATHWAY MATERIAL WITH ORGANIC BINDER

4. GEOTEXTILE FABRIC AT TOP LAYER OF COMPACTED ROAD BASE. FABRIC SHALL NOT BE

-4" STABILIZED MIX COMPACTED FOR VEHICLES -8" (VEHICULAR TRAFFIC) LOCAL DOT ROAD BASE COMPACTED FOR VEHICLES

-GEOTEXTILE WEED FABRIC AT TOP OF COMPACTED ROAD BASE TO PREVENT WEED GROWTH AND MIGRATION OF FINE MATERIALS COMPACTED SUBGRADE

SCALE: 3/4" = 1'-0"

3. METAL: METAL HARDWARE PAINTED BLACK

ELECTRICAL: INCLUDE 4 GFCI OUTLETS AT FOUR POSTS OF STRUCTURE

SHELTER DESIGNED TO MEET ALL BUILDING CODES

CONTRACTOR TO SUBMIT RECOMMENDED MANUFACTURER STRUCTURE FOR APPROVAL

8. CONTRACTOR TO PROVIDE ALL ENGINEERING APPROVALS OF STRUCTURE





2. WOOD: GREEN TREATED LUMBER OR CEDAR

4. ROOF: BLACK, RAISED SEEM METAL ROOF

9. PHOTO FOR REFERENCE

4. POST MOUNT FINISH: GALVANIZED

SHADE FINISH: GALVANIZED

2. SHADE SIZE: 16"

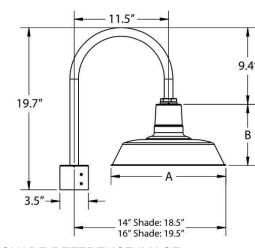
POST MOUNT ACCESSORY: WIRE GUARD 6. POLE: SMOOTH POLE AT 12' HEIGHT ON 3' EXPOSED CONCRETE BASE

1. POST MOUNT MODEL: SINGLE POST

LIGHT SOURCE: 200 WATT MAX\

COLOR TEMPERATURE: 2700K, WARM LIGHT CONTRACTOR TO SUBMIT MANUFACTURER FOR APPROVAL.

10. IMAGES FOR REFERENCE ONLY



SHADE REFERENCE IMAGE

STABLIZED PATHWAY

2. COLOR: BEIGE BLEND MARBLE

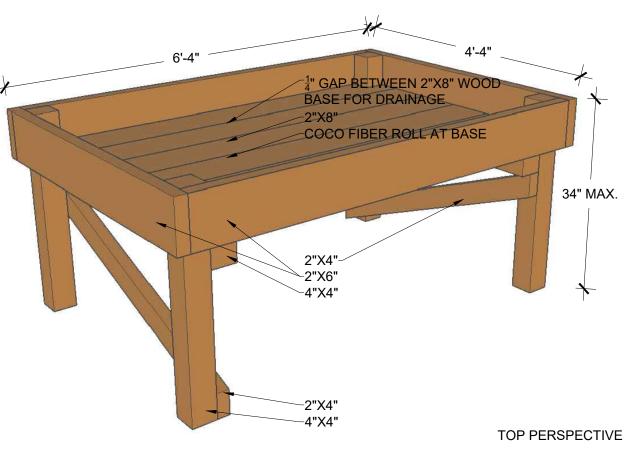
EXPOSED AT ANY LOCATION

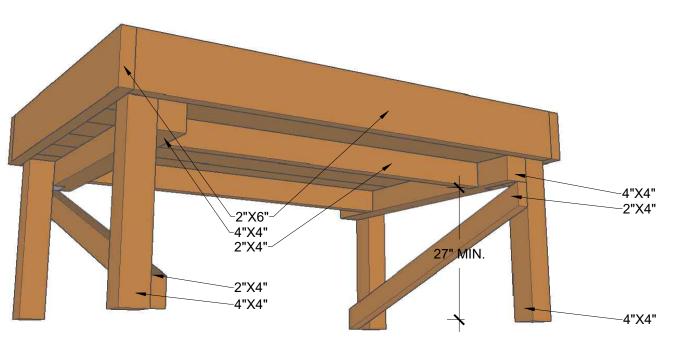
3. SIZE: $\frac{1}{4}$ " MINUS WITH FINES

OPEN AIR SHELTER

NO SCALE

NO SCALE





1. ALL WOOD TO BE UNTREATED RED CEDAR

2. FASTENERS TO BE OUTDOOR GRADE

3. MAINTAIN $\frac{1}{4}$ " GAP BETWEEN 2"X8" WOOD BASE FOR BED DRAINAGE. INSTALL ORGANIC BIODEGRADABLE COCO FIBER ROLL AT BASE OF BED.

4. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL.

ADA RAISED BED

SCALE: NO SCALE

BOTTOM PERSPECTIVE

SITE LIGHTING

SITE LIGHT REFERENCE IMAGE

SNYDER & ASSOCIATES

DETAIL

SITE

COUNTY,

SAUK

REEDSBURG,

NOL

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ARM

LOON

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Project No: 123.0424.30 Sheet L 302