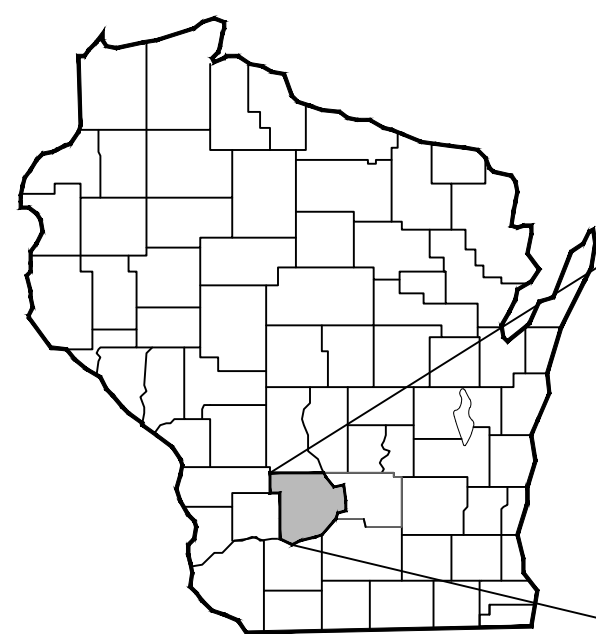
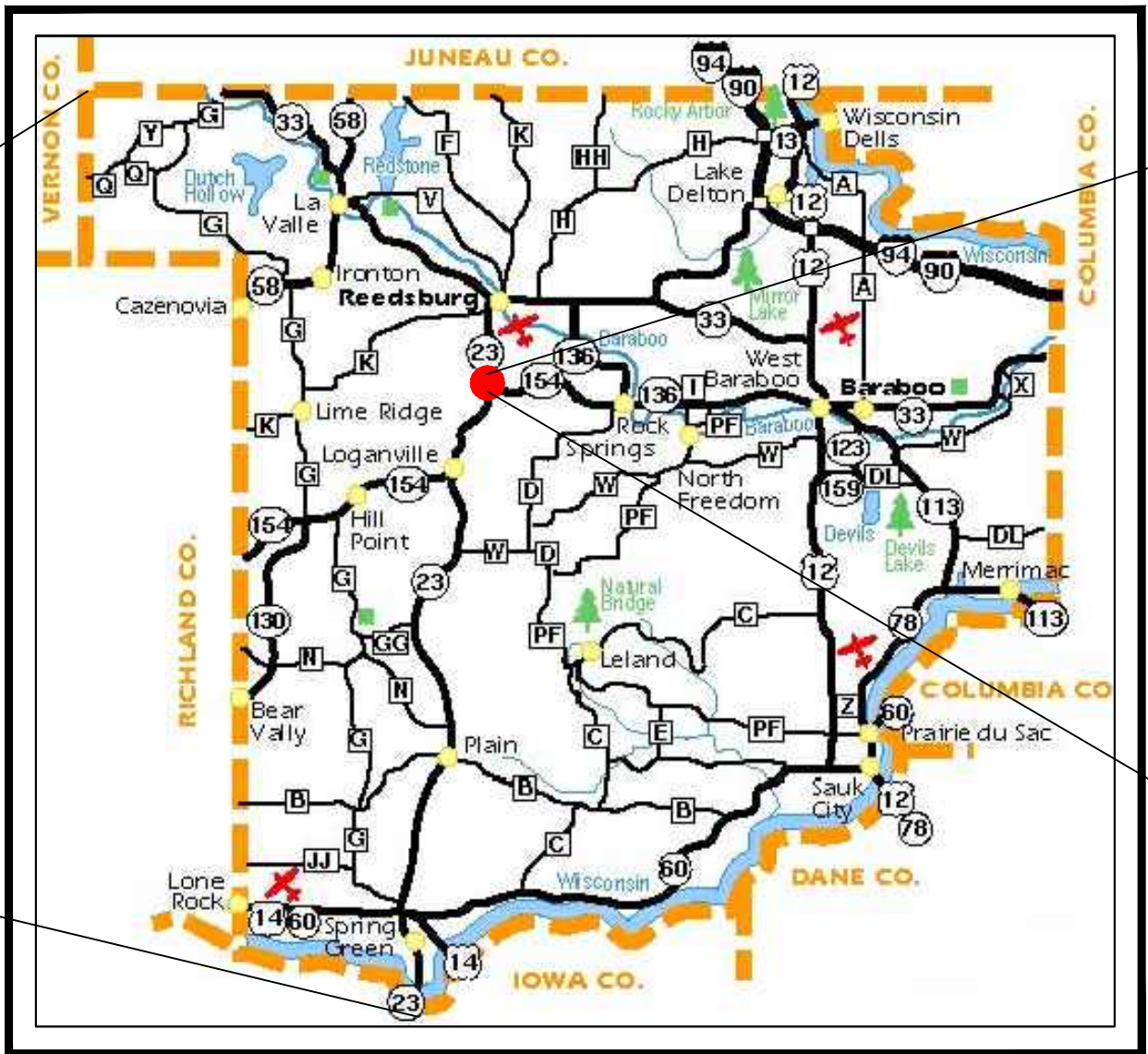


SAUK COUNTY FARM EDUCATION HUB - PHASE 1

SECTION 34, TOWNSHIP 12 NORTH, RANGE 4 EAST



REGIONAL MAP



SAUK COUNTY
SAUK COUNTY, WISCONSIN



SITE LOCATION MAP
TOWN OF REEDSBURG,
SUAK COUNTY, WISCONSIN





TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
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 UTILITIES, 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

Sheet List Table

T 100	TITLE SHEET
C 100	EXISTING SITE
C 200	DEMOLITION PLAN
C 300	SITE PLAN
C 400	GRADING PLAN
C 401	EROSION CONTROL PLAN
C 402	UTILITY PLAN
C 403	BIORETENTION DETAIL SHEET
C 404	CONCRETE WORK GRADING
C 700	DETAIL SHEET
C 701	DETAIL SHEET
L 100	LANDSCAPE NOTES
L 101	PLANTING SCHEDULE AND DETAILS
L 200	SEEDING PLAN
L 300	SITE DETAILS
L 301	SITE DETAILS
L 302	SITE DETAILS

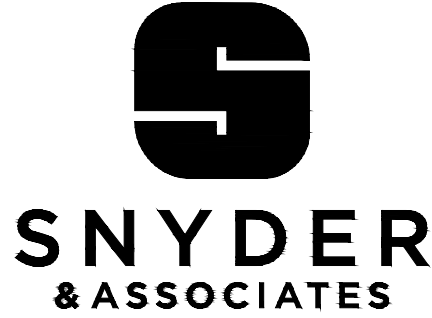
NOT FOR CONSTRUCTION

SAUK COUNTY FARM EDUCATION HUB - PHASE 1

TOWN OF REEDSBURG, SAUK COUNTY, WISCONSIN

TITLE SHEET

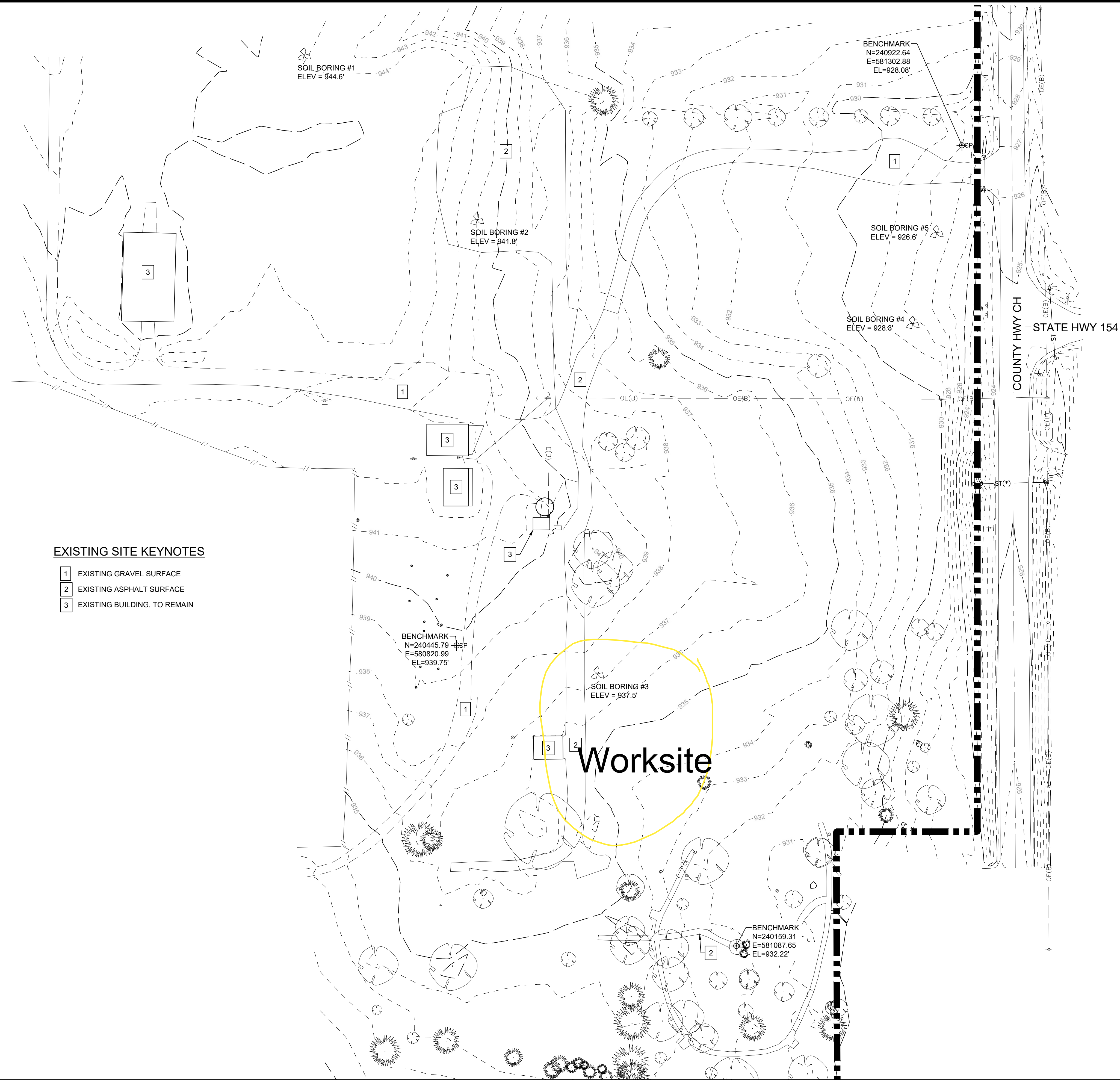
SNYDER & ASSOCIATES, INC. |



Project No: 123.0424.30
Sheet T 100

MARK	REVISION	DATE	BY
Engineer: SUA	Checked By: ATM	Scale: 1" = N/A	
Technician: ADB	Date: 12-29-2023	T-R-S: T12N-R04E-S34	
Project No: 123.0424.30			Sheet T 100

\\p01s01\2023\123.0424.3\00-ADD\1230424_Plan.dwg ANDY MEESMANN EXISTING SITE, 2023\12\29, 12:25 PM, ANSI FULL BLEED D (34.00 X 22.00 INCHES)



EXISTING SITE KEYNOTES

- 1 EXISTING GRAVEL SURFACE
- 2 EXISTING ASPHALT SURFACE
- 3 EXISTING BUILDING, TO REMAIN

LEGEND

FEATURES

- Section Corner
- 1/2" Rebar, Cap # 11579 (Unless Otherwise Noted)
- ROW Marker
- ROW Rail
- Control Point
- Bench Mark
- Platted Distance
- Measured Bearing & Distance
- Recorded As
- Deed Distance
- Calculated Distance
- Minimum Protection Elevation
- Centerline
- Section Line
- 1/4 Section Line
- 1/4 1/4 Section Line
- Easement Line

FEATURES

- Spot Elevation
- Contour Elevation
- Fence (Barbed, Field, Hog)
- Fence (Chain Link)
- Fence (Wood)
- Fence (Silt)
- Tree Line
- Tree Stump
- Deciduous Tree \ Shrub
- Coniferous Tree \ Shrub
- Communication
- Overhead Communication
- Fiber Optic
- Underground Electric
- Overhead Electric
- Gas Main with Size
- High Pressure Gas Main with Size
- Water Main with Size
- Sanitary Sewer with Size
- Duct Bank
- Test Hole Location for SUE w/ID

(*) Denotes the survey quality service level for utilities

- Sanitary Manhole
- Storm Sewer with Size
- Storm Manhole
- Single Storm Sewer Intake
- Double Storm Sewer Intake
- Fire Hydrant
- Fire Hydrant on Building
- Water Main Valve
- Water Service Valve
- Well
- Utility Pole
- Guy Anchor
- Utility Pole with Light
- Utility Pole with Transformer
- Street Light
- Yard Light
- Electric Box
- Electric Transformer
- Traffic Sign
- Communication Pedestal
- Communication Manhole
- Communication Handhole
- Fiber Optic Manhole
- Fiber Optic Handhole
- Gas Valve
- Gas Manhole
- Gas Apparatus
- Fence Post or Guard Post
- Underground Storage Tank
- Above Ground Storage Tank
- Sign
- Satellite Dish
- Mailbox
- Sprinkler Head
- Irrigation Control Valve
- Soil Boring

Elevation

Section Number
Drawing Number

Removal Items

FOUND

- Section Corner
- 1/2" Rebar, Cap # 11579
- ROW Marker
- ROW Rail
- Control Point
- Bench Mark
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EXISTING

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- Contour Elevation
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- High Pressure Gas Main with Size
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- Sanitary Sewer with Size
- Duct Bank
- Test Hole Location for SUE w/ID

SET

- Section Corner
- 1/2" Rebar, Cap # 11579
- ROW Marker
- ROW Rail
- Control Point
- Bench Mark
- Platted Distance
- Measured Bearing & Distance
- Recorded As
- Deed Distance
- Calculated Distance
- Minimum Protection Elevation
- Centerline
- Section Line
- 1/4 Section Line
- 1/4 1/4 Section Line
- Easement Line

PROPOSED

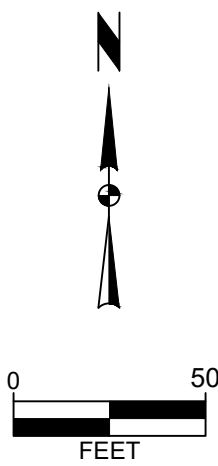
- Spot Elevation
- Contour Elevation
- Fence (Barbed, Field, Hog)
- Fence (Chain Link)
- Fence (Wood)
- Fence (Silt)
- Tree Line
- Tree Stump
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- Overhead Electric
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- High Pressure Gas Main with Size
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- Sanitary Sewer with Size
- Duct Bank
- Test Hole Location for SUE w/ID

NOT FOR CONSTRUCTION



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TOLL FREE

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE



SAUK COUNTY FARM EDUCATION HUB - PHASE 1

EXISTING SITE TOWN OF REEDSBURG, SAUK COUNTY, WISCONSIN

SNYDER & ASSOCIATES, INC. |



Project No: 123.0424.30

Sheet C 100

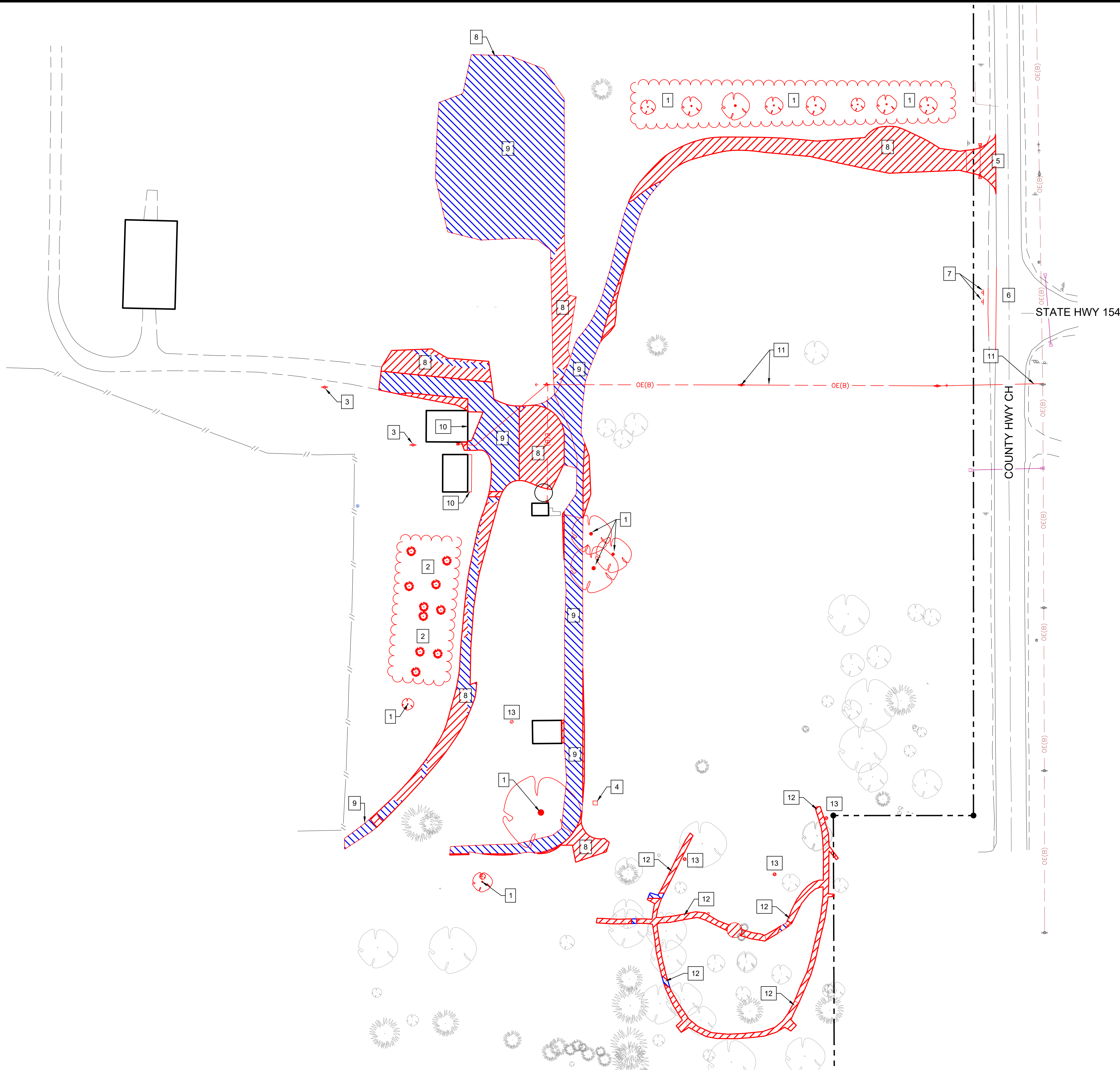
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

SNYDER & ASSOCIATES, INC. |

Project No: 123.0424.30

Sheet C 100

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DEMOLITION KEYNOTES

- 1 REMOVE TREES, STUMPS, AND GRIND
- 2 MOVE TREES TO NEW LOCATION (SEE LANDSCAPING PLANS)
- 3 REMOVE POLE AND ANY FOUNDATIONS
- 4 ABANDON WELL PER NR 812 (IF NECESSARY, REFER TO UTILITY PLANS AND SPECS FOR NEW WELL BID ALTERNATE 1).
- 5 REMOVE EXISTING ENTRANCE, INCLUDING CULVERT UNDER DRIVE
- 6 EXISTING GRAVEL SHOULDER CUT FOR NEW ENTRANCE DRIVE
- 7 RELOCATE SIGN
- 8 GRAVEL ROADWAY TO BE REMOVED AND RE PURPOSED FOR GRAVEL BASE ON SITE
- 9 EXISTING ASPHALT TO BE PULVERIZED IN PLACE FOR NEW ROADWAY AND PARKING LOT. REMOVE TOPSOIL PRIOR TO PULVERIZATION
- 10 REMOVE CONCRETE
- 11 REMOVE OVERHEAD ELECTRICAL LINES, POLES, AND ANY FOUNDATION (BY OWNER)
- 12 ASPHALT WALKING PATH TO BE REMOVED IN ITS ENTIRETY
- 13 REMOVE ABANDONED MANHOLE IN ITS ENTIRETY

PLAN NOTES

CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO COMMENCING WORK ON SITE
CONTRACTOR SHALL CALL FOR UTILITY LOCATIONS PRIOR TO COMMENCING WORK ON SITE

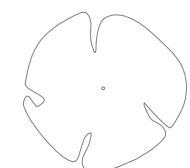
EXISTING SITE CONDITIONS BASED ON TOPOGRAPHIC SURVEY BY:
SNYDER & ASSOCIATES
SURVEYOR: ALEX SCHAEFER
PHONE: 608-838-0444
DATED: JULY 2023

CONTRACTOR SHALL PROVIDE ALL NECESSARY EROSION CONTROL MEASURES PER TOWN, COUNTY, AND STATE SPECIFICATIONS. ALL MEASURES ARE TO BE IN PLACE PRIOR TO COMMENCING WORK ON SITE. ALL MEASURES SHALL BE MAINTAINED UNTIL SITE SOILS ARE STABILIZED. SEE SHEET C401 FOR MORE INFORMATION

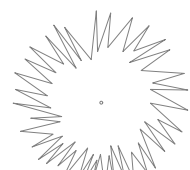
CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS FOR DEMOLITION AND CONSTRUCTION PRIOR TO COMMENCING ANY WORK ON SITE.

ALL EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO DEMOLITION ACTIVITIES. SEE SHEET C401 FOR LOCATIONS OF EROSION CONTROL MEASURES.

LEGEND



EXISTING TREE TO REMAIN



EXISTING TREE TO REMAIN

NOT FOR CONSTRUCTION



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SAUK COUNTY FARM EDUCATION HUB - PHASE 1

DEMOLITION PLAN

TOWN OF REEDSBURG, SAUK COUNTY, WISCONSIN



Project No: 123.0424.30

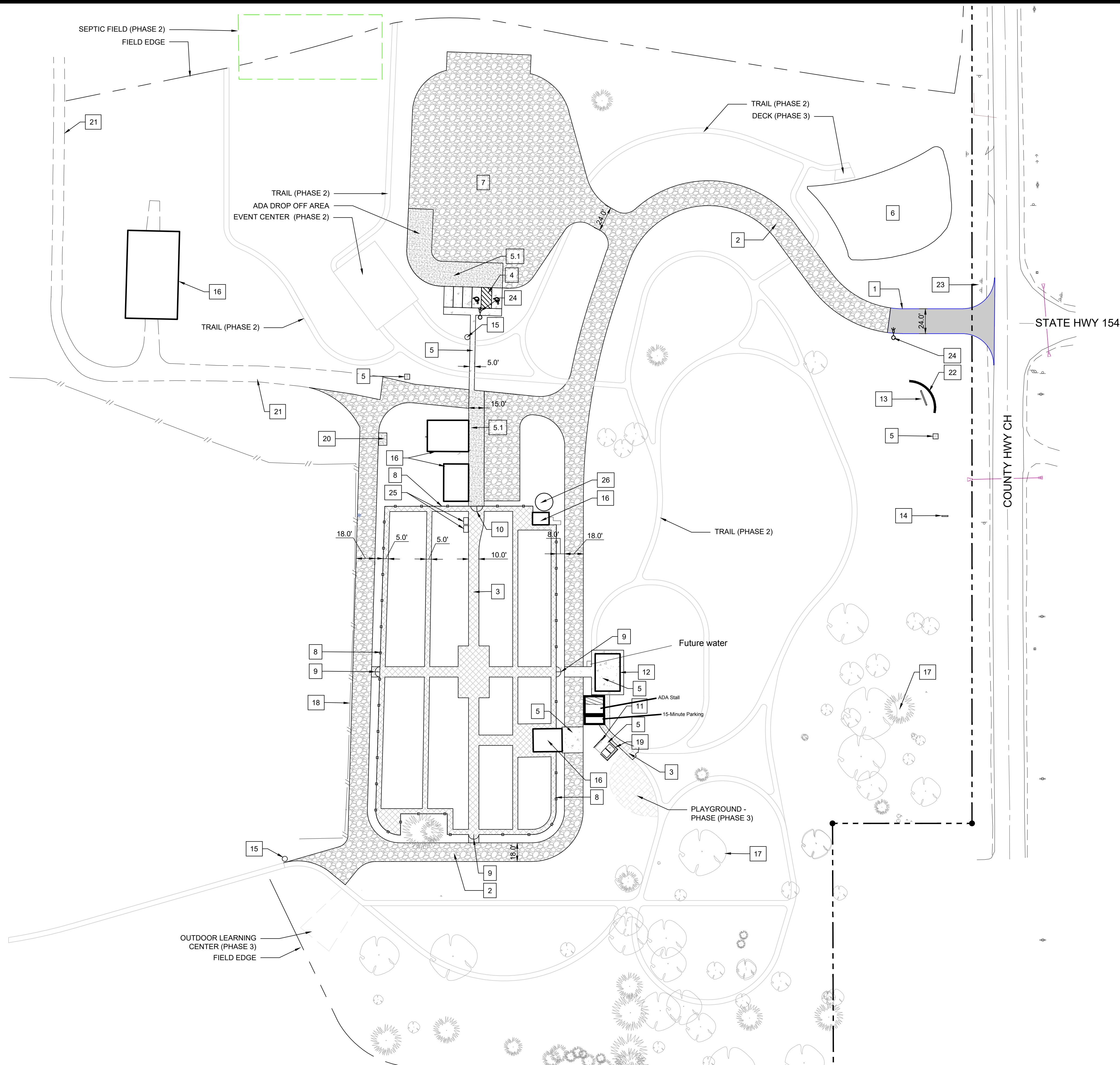
Sheet C 200

SNYDER & ASSOCIATES, INC.

5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

Project No: 123.0424.30

Sheet C 200



PHASE 1 SITE KEYNOTES

PHASE 1 LEGEND

NOT FOR CONSTRUCTION

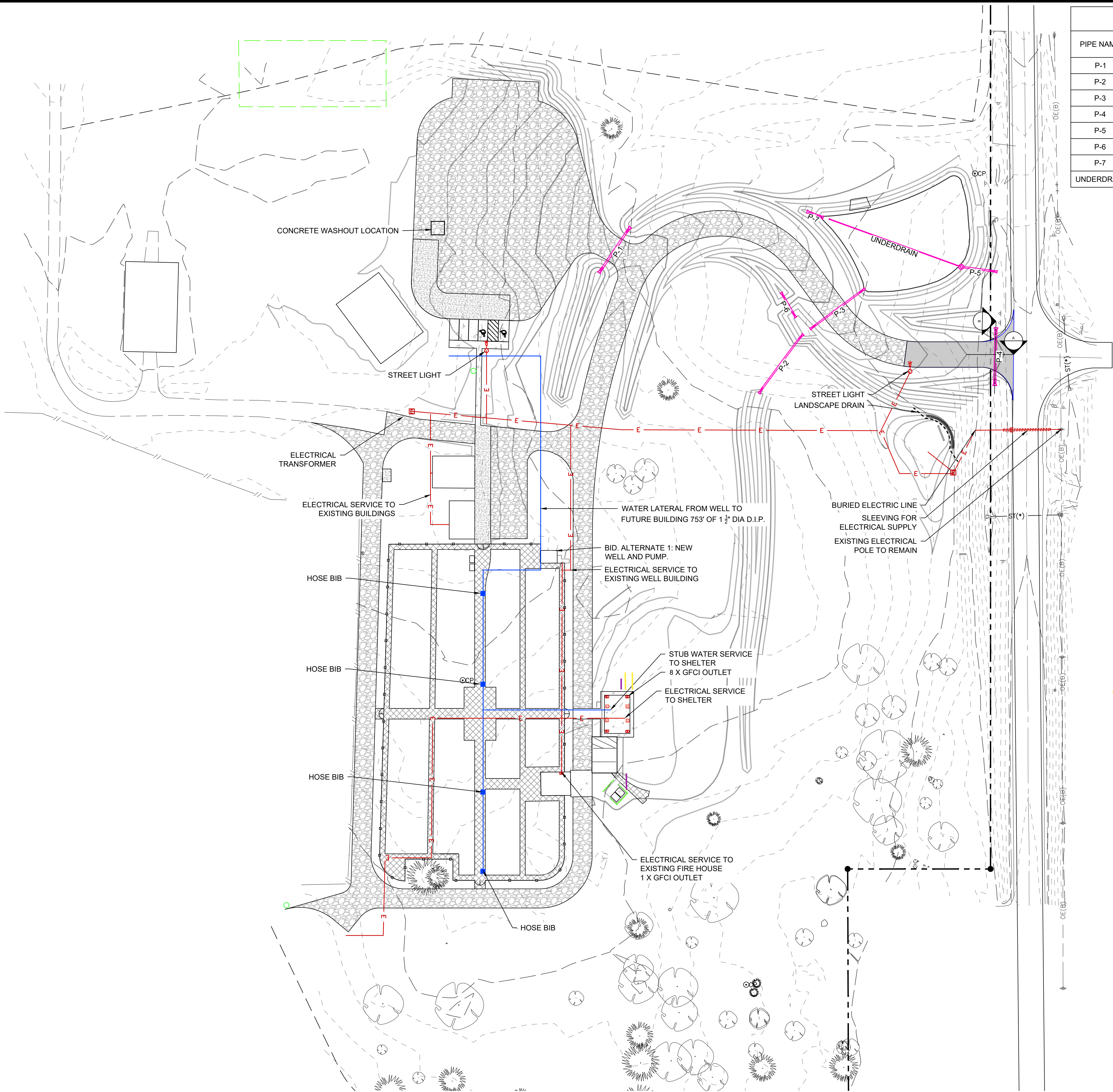
MARK	REVISION	DATE	BY
Engineer: SJA	Checked By: ATM	Scale: 1" = 50'	
Technician: ADB	Date: 12-29-2023	T-R-S: T12N-ROME-S34	

Project No: 123.0424.30

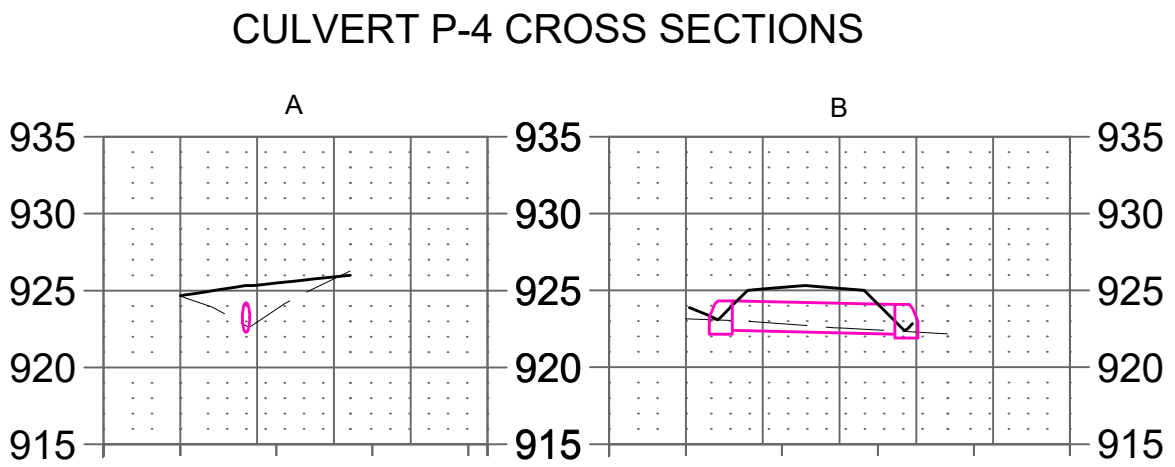
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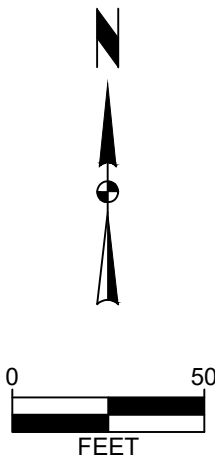
\\p0000\2023\123.0424.30\ADD\1230424_Plan.dwg ANDY MEESMANN UTILITY PLAN 2023/12/29 12:26 PM ANSI FULL BLEED D (34.00 X 22.00 INCHES)



STORM PIPE TABLE								
PIPE NAME	PIPE TYPE	SIZE (IN.)	FROM	TO	LENGTH (FT)	START INV	END INV	SLOPE
P-1	RCP	15	FES-1	FES-2	40	934.00	933.00	2.50%
P-2	RCP	12	FES-3	FES-4	57	931.00	928.00	5.23%
P-3	RCP	12	FES-5	FES-6	52	927.00	926.00	1.94%
P-4	RCP	18	FES-7	FES-8	42	922.37	922.60	0.54%
P-5	RCP	12	OUTLET STRUCTURE	FES-9	28	924.00	923.75	0.89%
P-6	RCP	12	FES-10	FES-11	15	928.00	927.00	6.69%
P-7	RCP	15	FES-12	FES-13	4	927.00	926.00	23.54%
UNDERDRAIN	PVC	6	REMOVABLE PLUG	OUTLET STRUCTURE	131	924.00	924.00	0.00%



- 1" pipe with tracer wire
- 2" pipe with tracer wire
- Privacy fence



NOT FOR CONSTRUCTION



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TOLL FREE

WIS. STATUTE 182.0175 (1974)
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NOTICE BEFORE YOU EXCAVATE

SAUK COUNTY FARM EDUCATION HUB - PHASE 1

UTILITY PLAN

SNYDER & ASSOCIATES, INC.

TOWN OF REEDSBURG, SAUK COUNTY, WISCONSIN

2727 S.W. SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | www.snyder-associates.com

**SNYDER & ASSOCIATES**

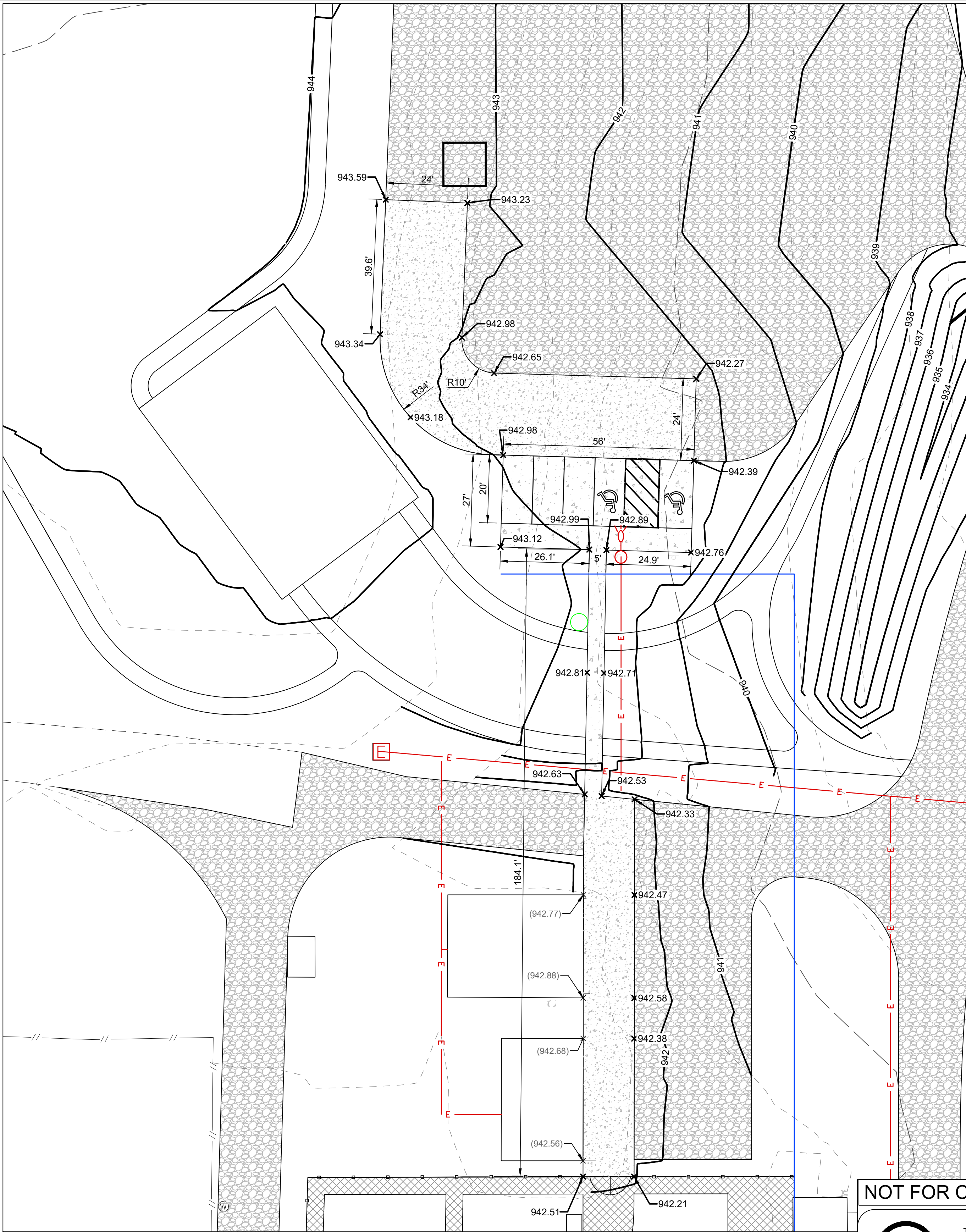
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Sheet C 402

BY: [blank]
DATE: [blank]
REVISION: [blank]
Checked By: ATM
Date: 12-29-2023
Engineer: SJA
Technician: ADB

Scale: 1" = 50'
T-R-S: T12N-R04E-S34

Project No: 123.0424.30
Sheet C 402

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PARKING LOT AREA
SCALE: 1" = 20'

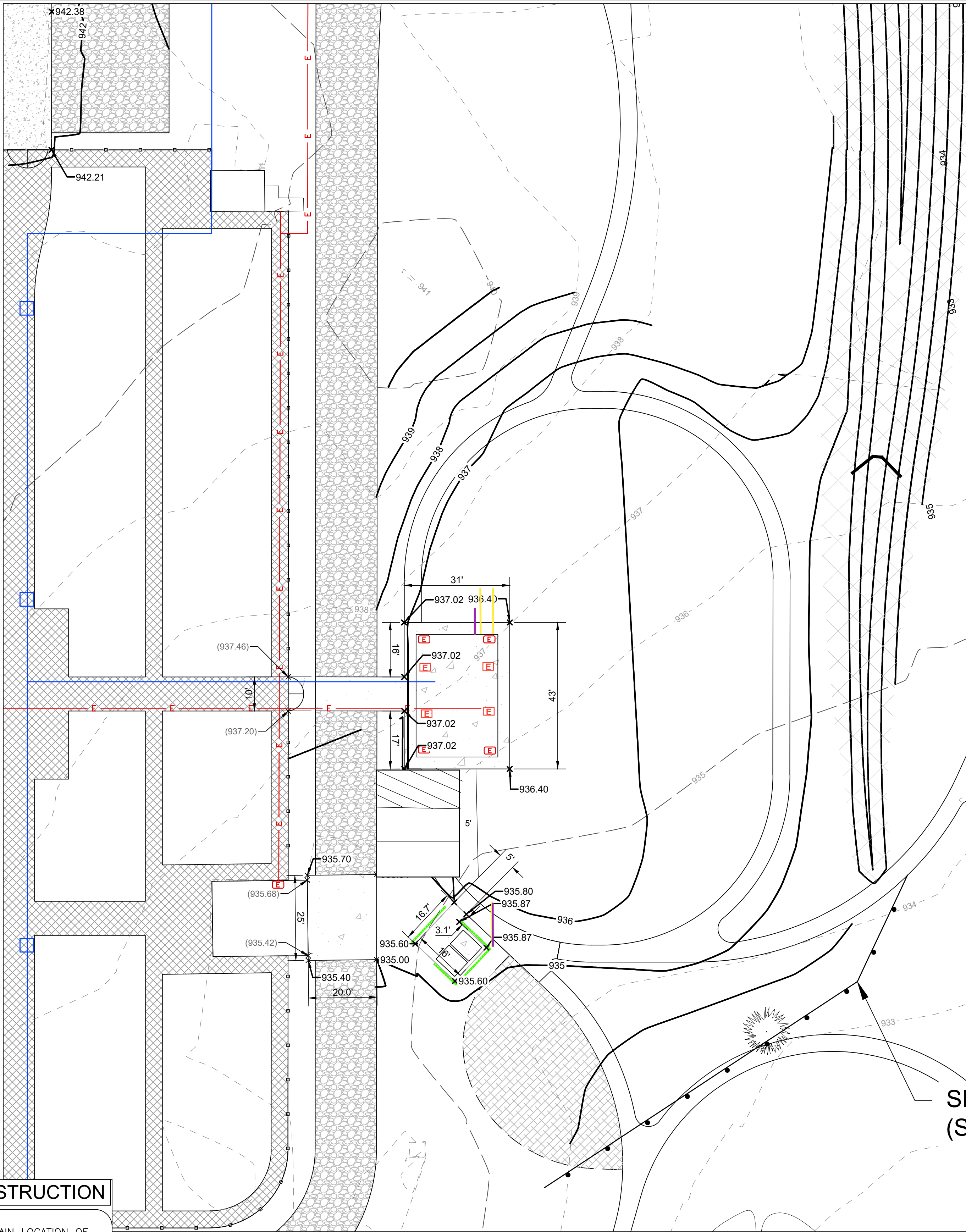
NOT FOR CONSTRUCTION



TO OBTAIN LOCATION OF
PARTICIPANTS' UNDERGROUND
FACILITIES BEFORE YOU
DIG IN WISCONSIN

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

WIS. STATUTE 182.0175 (1974)
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NOTICE BEFORE YOU EXCAVATE



AMPHITHEATER AREA
SCALE: 1" = 20'

SAUK COUNTY FARM EDUCATION HUB - PHASE 1

CONCRETE WORK GRADING

TOWN OF REEDSBURG, SAUK COUNTY, WISCONSIN

SNYDER & ASSOCIATES, INC.



Project No: 123.0424.30

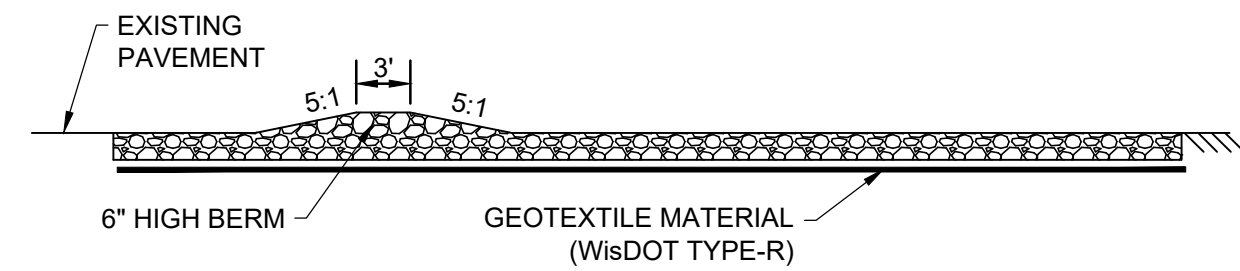
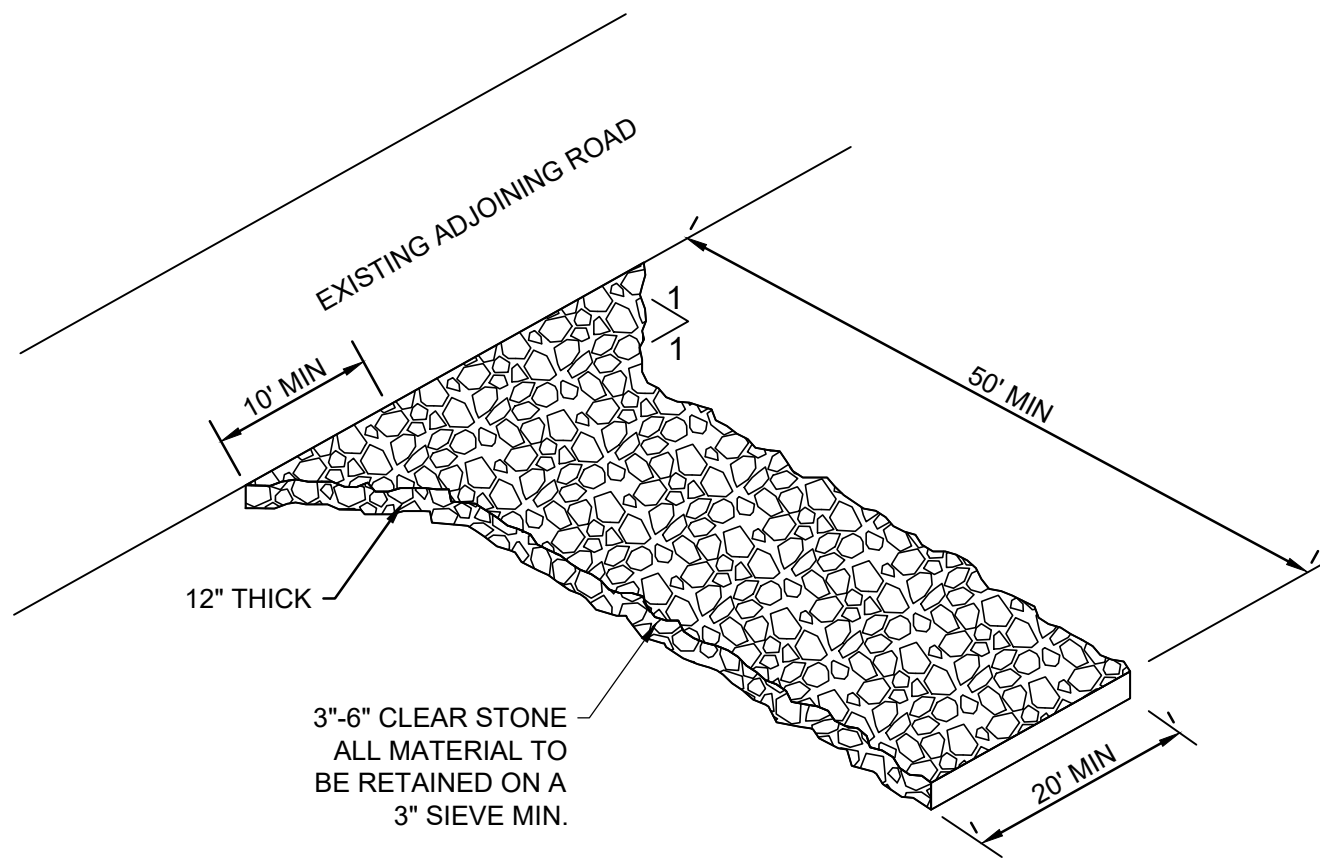
Sheet C 404

5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

MARK	REVISION	DATE	BY
Engineer: SUA	Checked By: ATM	Scale: 1" = 20'	
Technician: ADB	Date: 12-29-2023	T-R-S: T12N-R04E-S34	

Sheet C 404

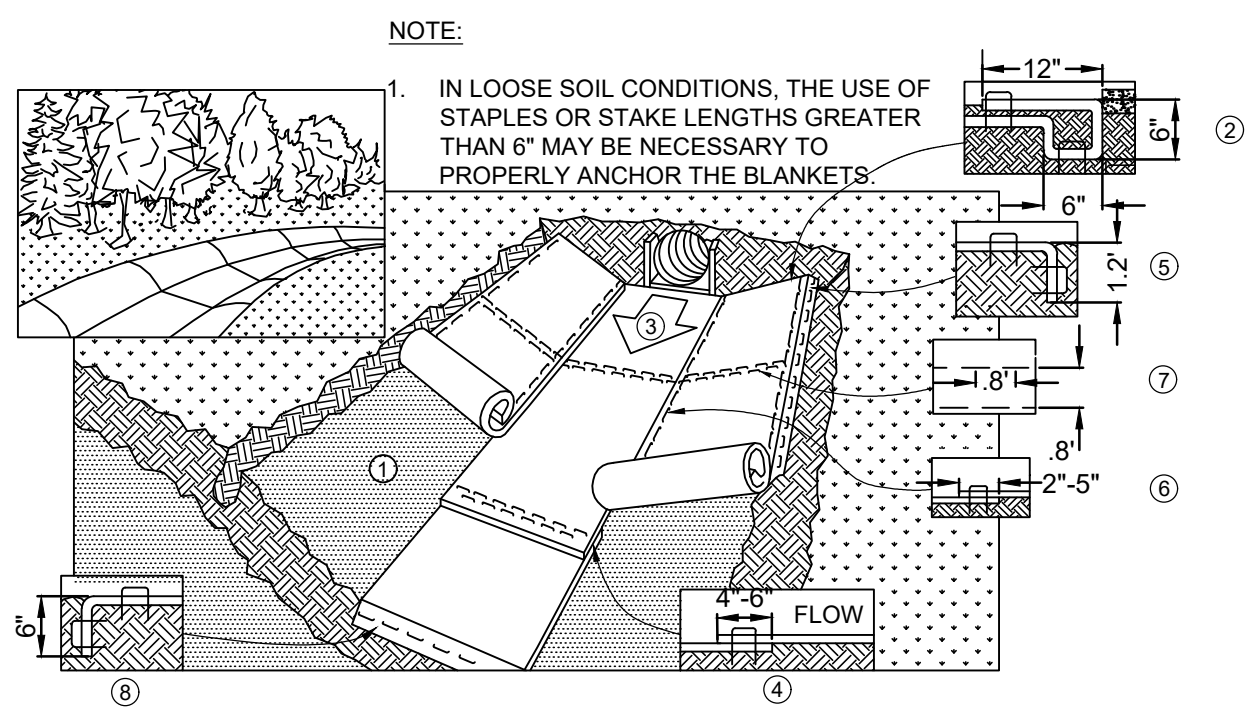
V:\projects\2023\123.0424.30\ADD.1230424_Plan.dwg ANDY MESSMAN\DETAIL SHEET, 20231229, 12:27 PM, ANSI FULL BLEED D (34.00 X 22.00 INCHES)



NOTE:

1. MAINTAIN THE ROCK ENTRANCE TO PREVENT TRACKING ONTO PAVEMENT

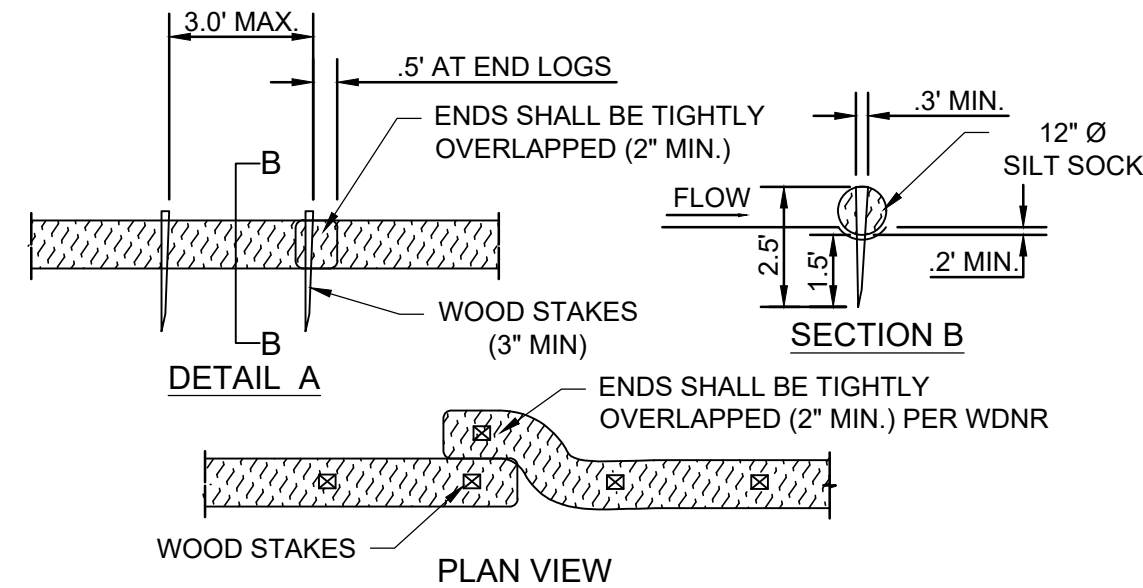
1
C700
STONE ENTRANCE DETAIL
N/A



INSTALLATION:

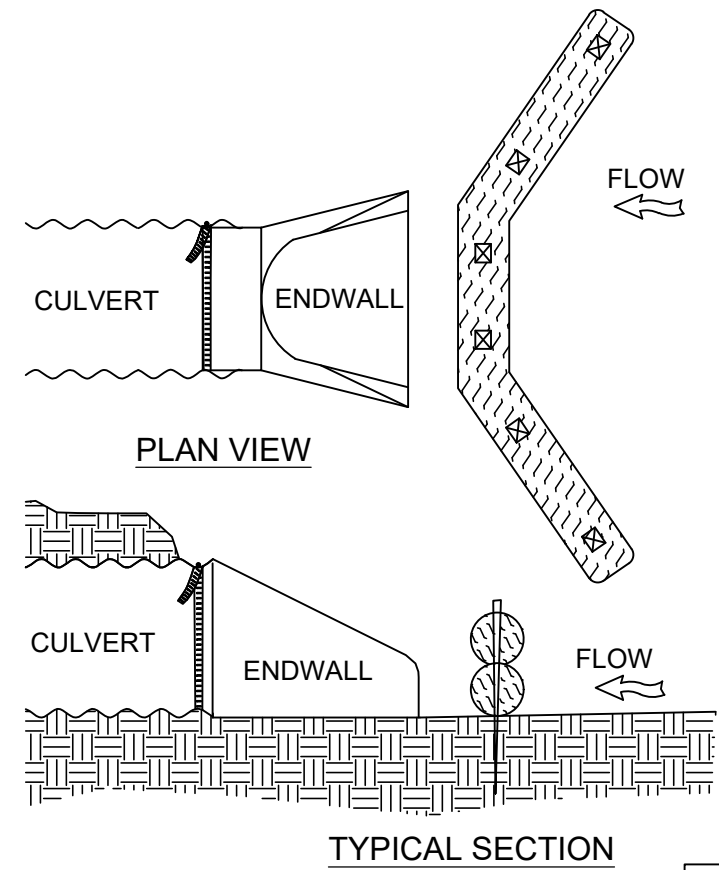
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. 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.
3. 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 STAPLING.
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.

2
C700
EROSION CONTROL MAT - CHANNEL INSTALLATION
N/A



SEDIMENT LOG MAINTENANCE NOTES

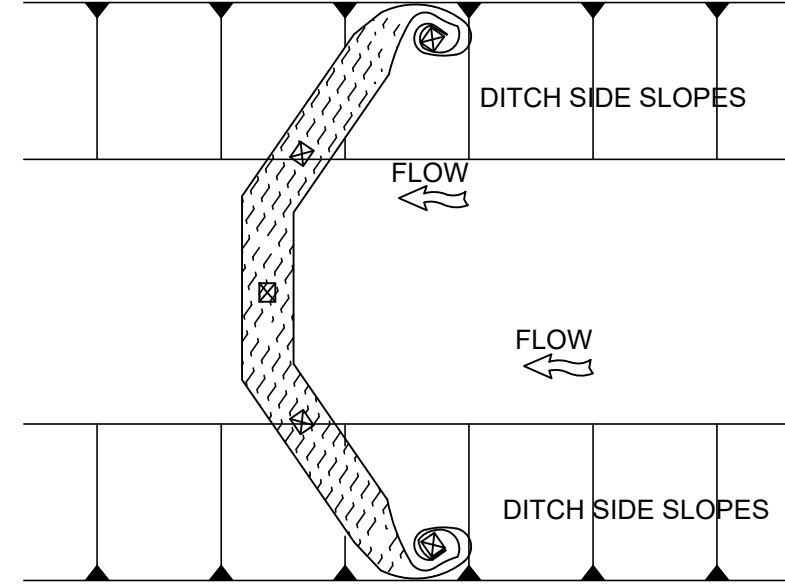
1. THE CONTRACTOR SHALL INSPECT SEDIMENT LOGS DAILY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.
2. SEDIMENT ACCUMULATED UPSTREAM OF THE SEDIMENT LOGS SHALL BE REMOVED WHEN THE UPSTREAM SEDIMENT DEPTH IS WITHIN 1/2 THE HEIGHT OF THE CREST OF LOG.
3. SEDIMENT LOGS SHALL BE REMOVED AT THE END OF CONSTRUCTION. IF ANY DISTURBED AREA EXISTS AFTER REMOVAL, IT SHALL BE DRILL SEEDDED AND CRIMP MULCHED OR OTHERWISE STABILIZED.



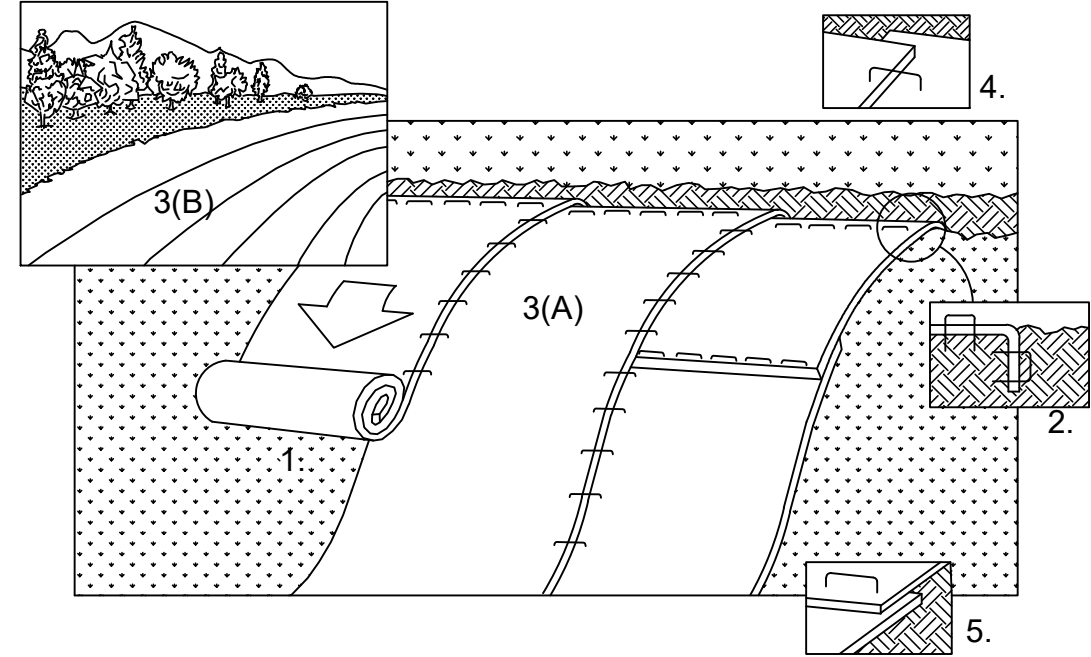
3
C700
SEDIMENT LOG PROTECTION
N/A

SEDIMENT LOG INSTALLATION NOTES

1. SEE PLAN VIEW FOR THE LOCATION AND LENGTH OF SEDIMENT LOG.
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.
6. SEDIMENT LOG SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS 1071



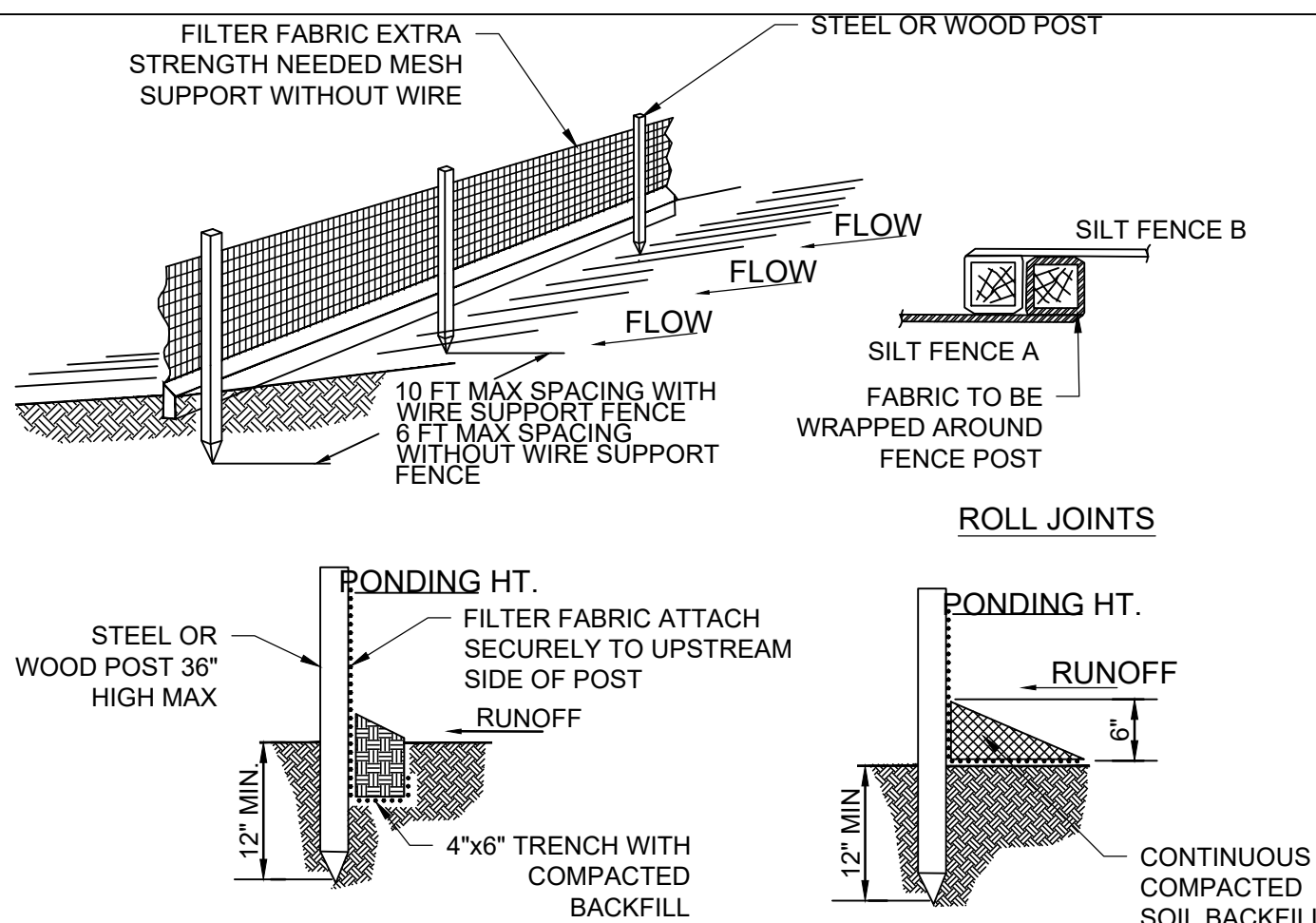
NOTE:
REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.



INSTALLATION:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED.
NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. 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.
3. ROLL THE BLANKETS
(A.) DOWN THE SLOPE
(B.) HORIZONTALLY ACROSS THE SLOPE
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.
7. EROSION MAT SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD # 1052.

4
C700
EROSION CONTROL MAT - SLOPE INSTALLATION
SCALE: 3"=1'



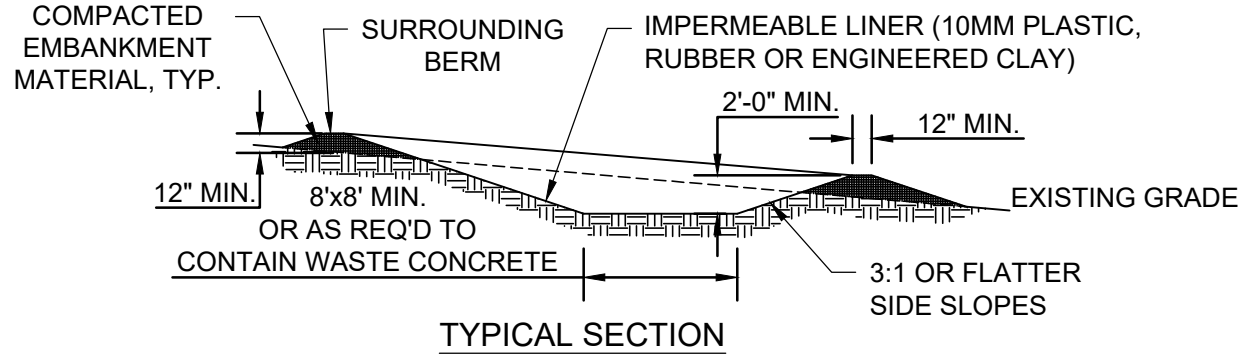
STANDARD DETAIL
TRENCH WITH NATIVE
BACKFILL

ALTERNATE DETAIL
SOIL 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.

5
C700
SILT FENCE DETAIL
N/A



CONCRETE WASHOUT AREA INSTALLATION NOTES

1. 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.

5
C700
CONCRETE WASHOUT DETAIL
N/A

NOT FOR CONSTRUCTION



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE

SAUK COUNTY FARM EDUCATION HUB - PHASE 1

DETAIL SHEET

TOWN OF REEDSBURG, SAUK COUNTY, WISCONSIN

SNYDER & ASSOCIATES, INC. |

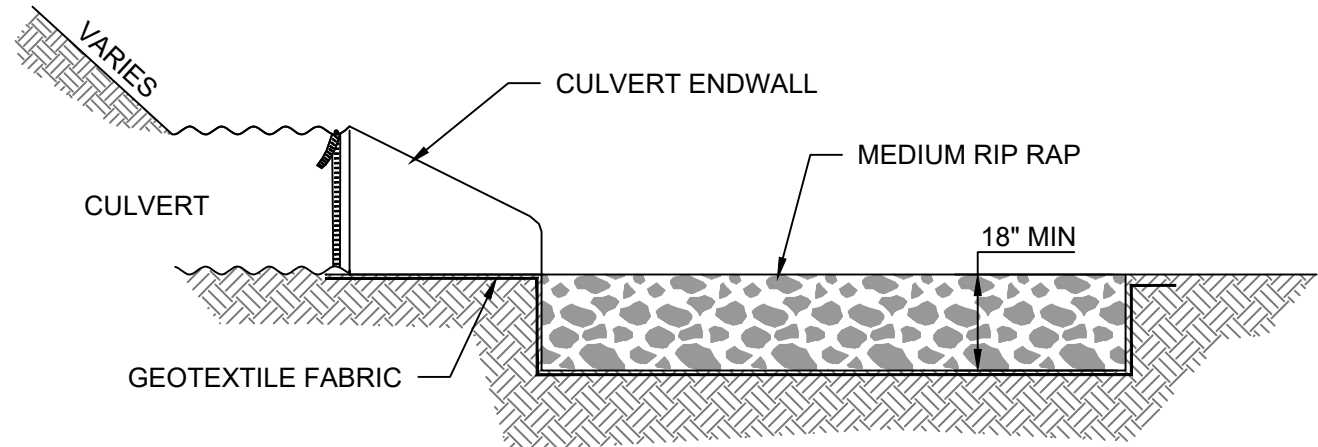
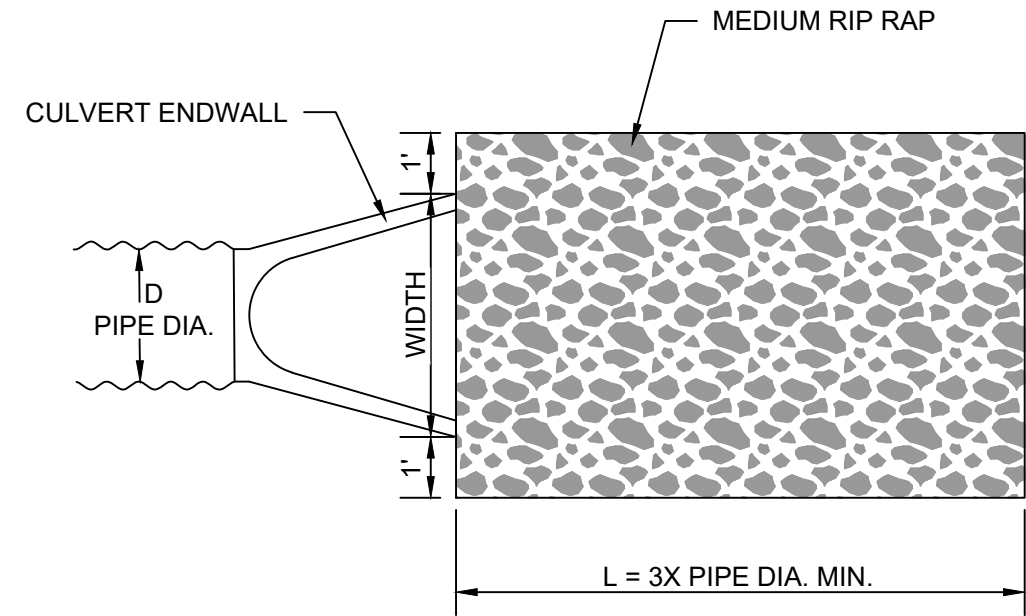


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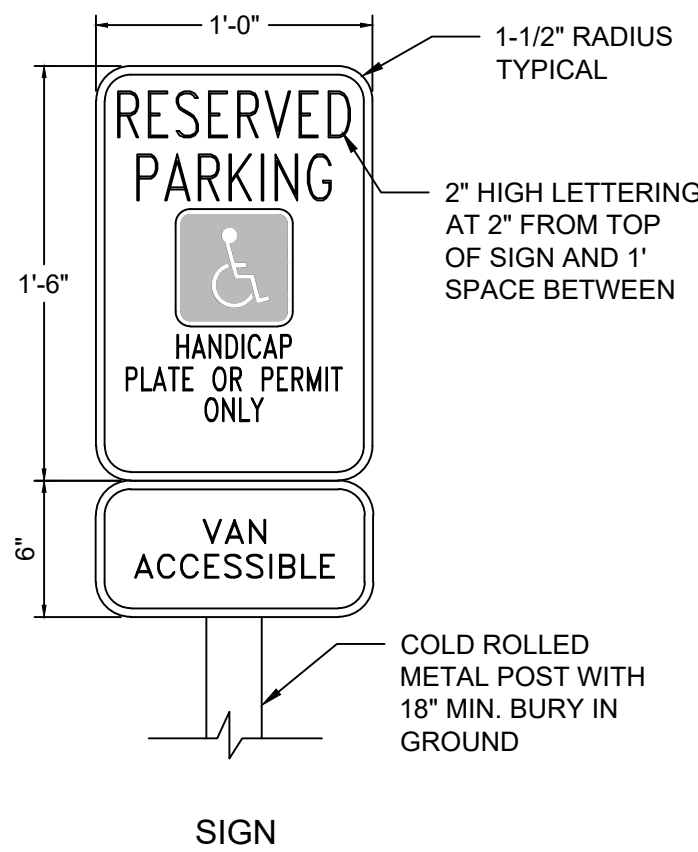
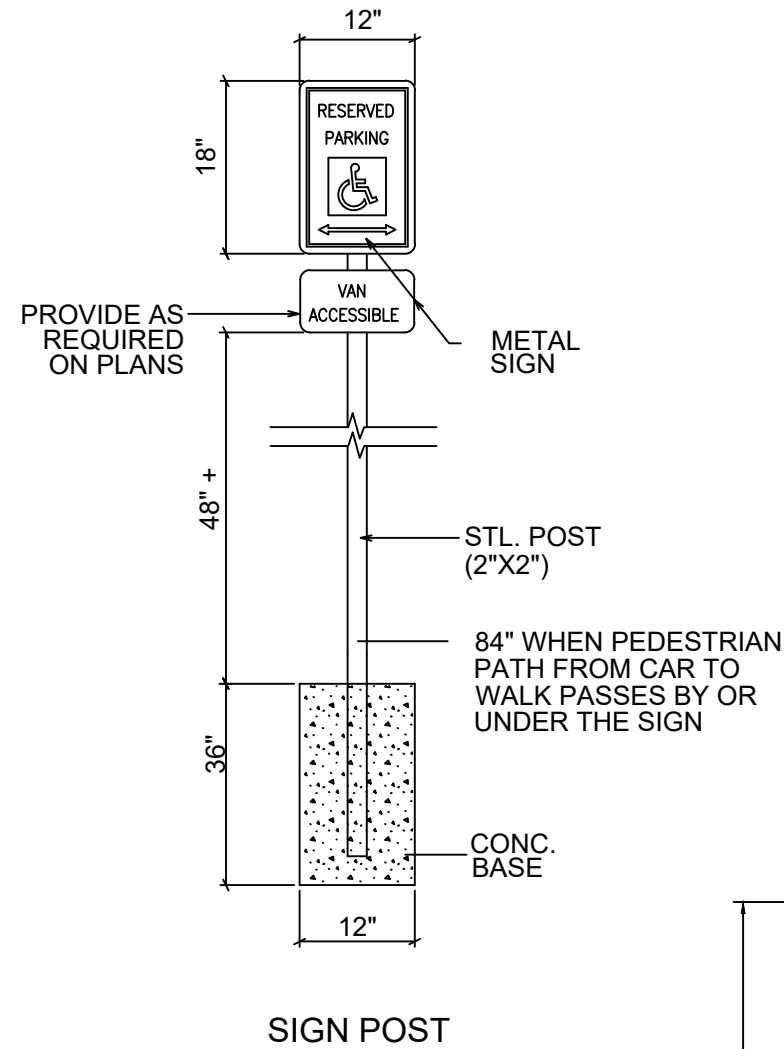
2727 S.W. SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | www.snyder-associates.com

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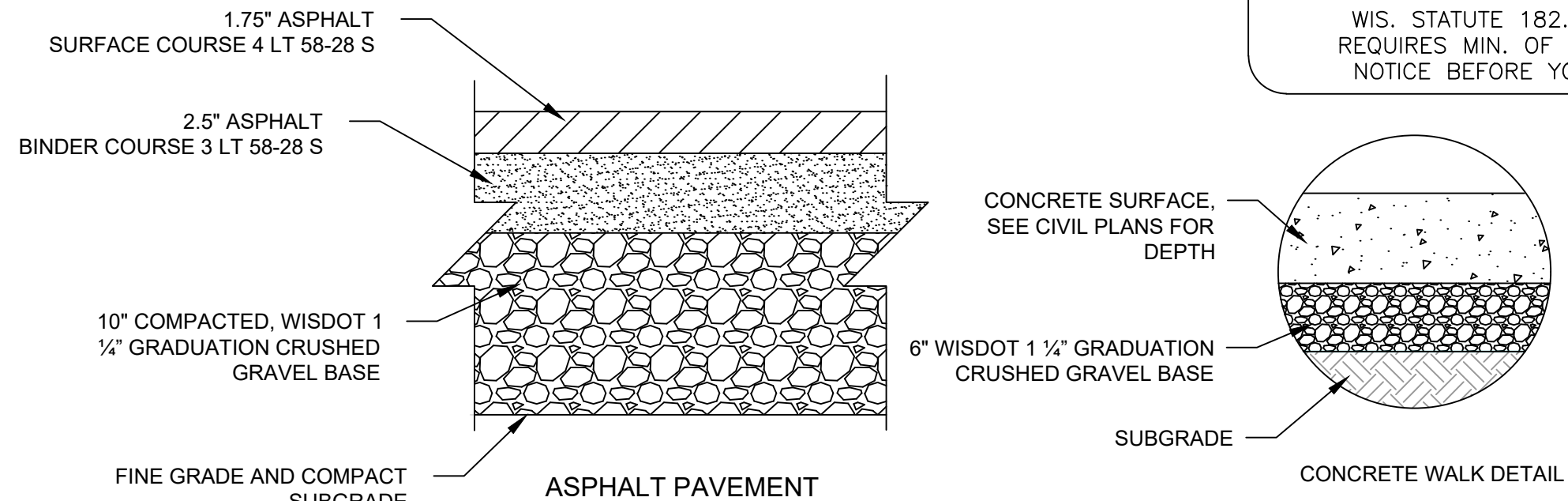


NOTE:
RIP-RAP SHALL BE A MINIMUM
OF 2 C.Y. PER ENDWALL.

1
701
RIP-RAP PAD
NO SCALE



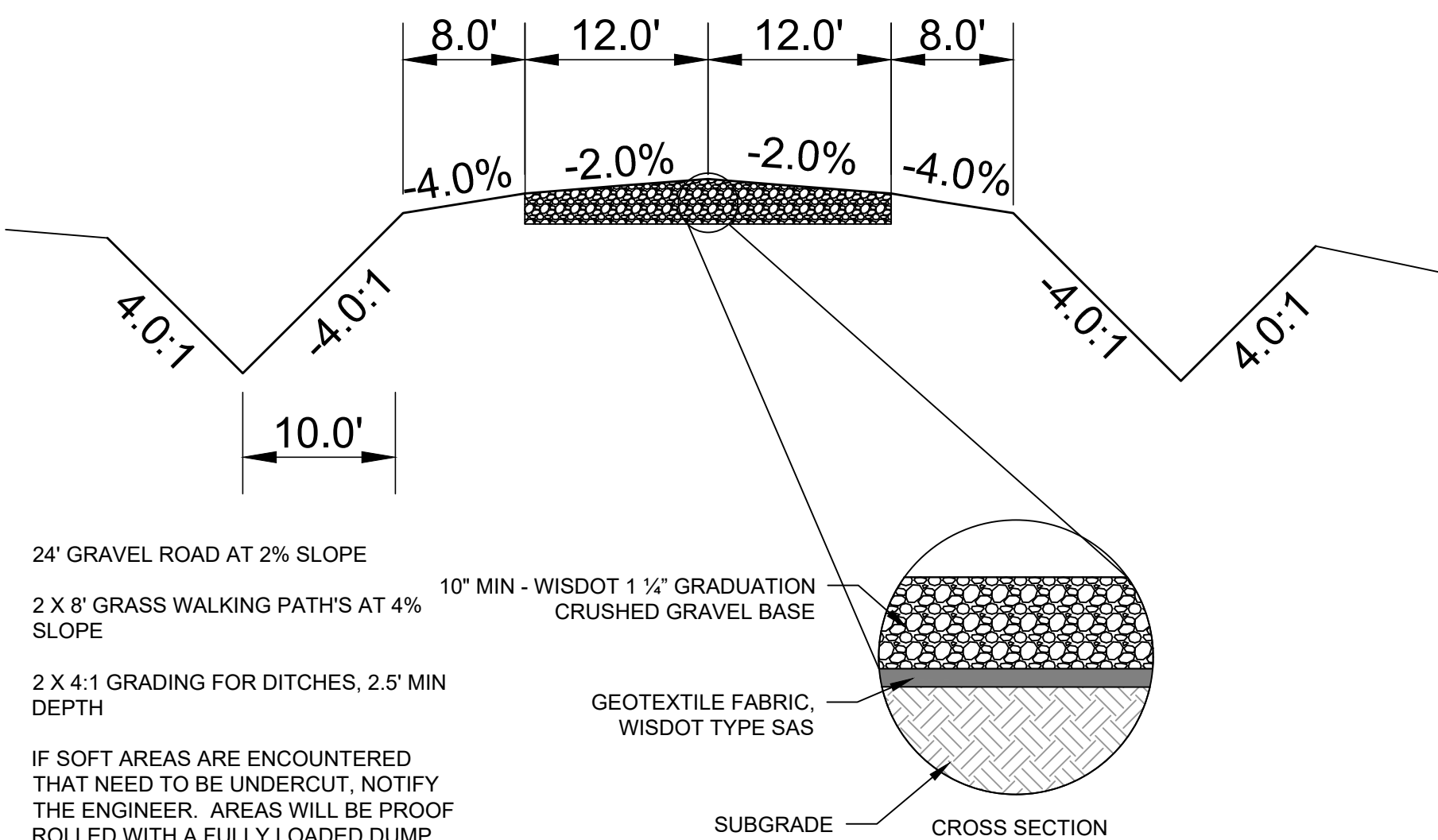
2
C 701
BARRIER FREE PARKING SIGN DETAIL
NO SCALE



NOTES:

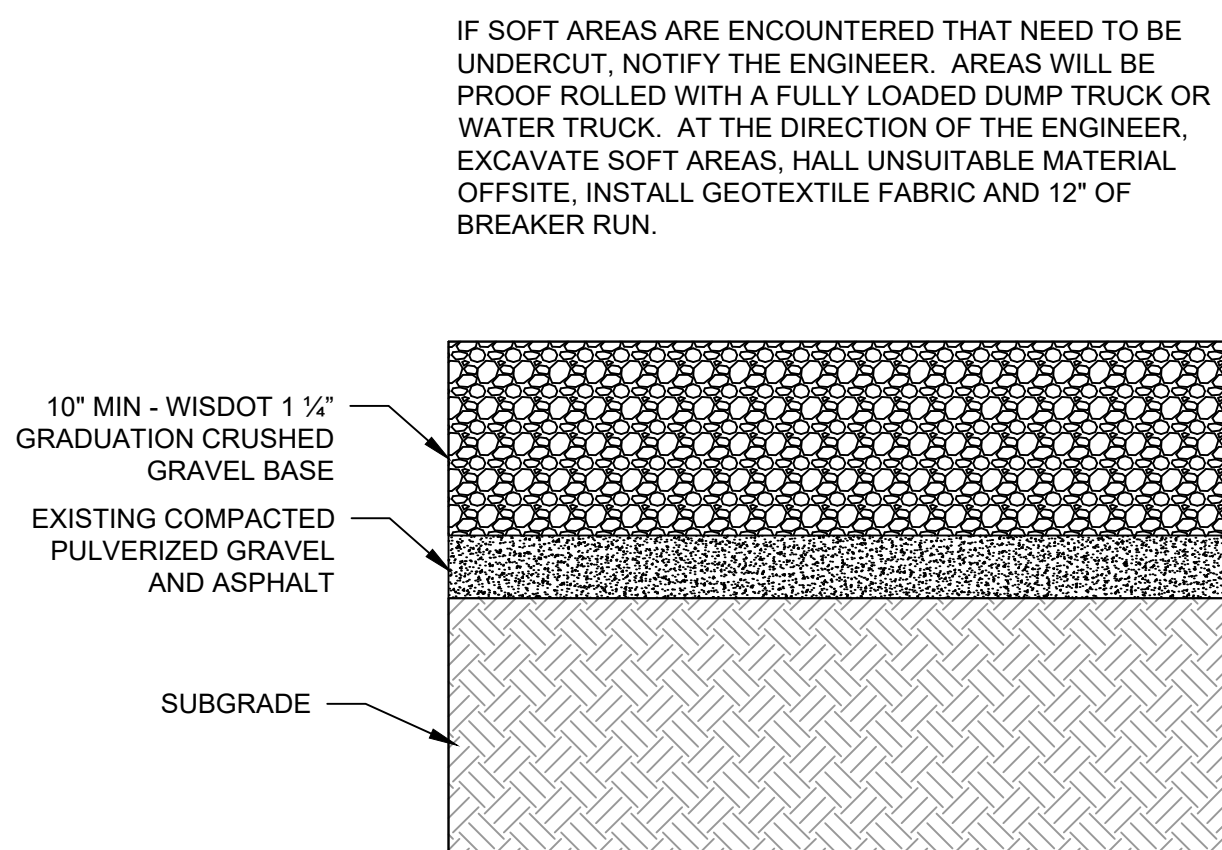
- IF SOFT AREAS ARE ENCOUNTERED THAT NEED TO BE UNDERCUT, NOTIFY THE ENGINEER. AREAS WILL BE PROOF ROLLED WITH A FULLY LOADED DUMP TRUCK OR WATER TRUCK. AT THE DIRECTION OF THE ENGINEER, EXCAVATE SOFT AREAS, HALL UNSUITABLE MATERIAL OFFSITE, INSTALL GEOTEXTILE FABRIC AND 12" OF BREAKER RUN.
- PROVIDE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

3
C 701
PAVEMENT THICKNESS DETAIL
NO SCALE



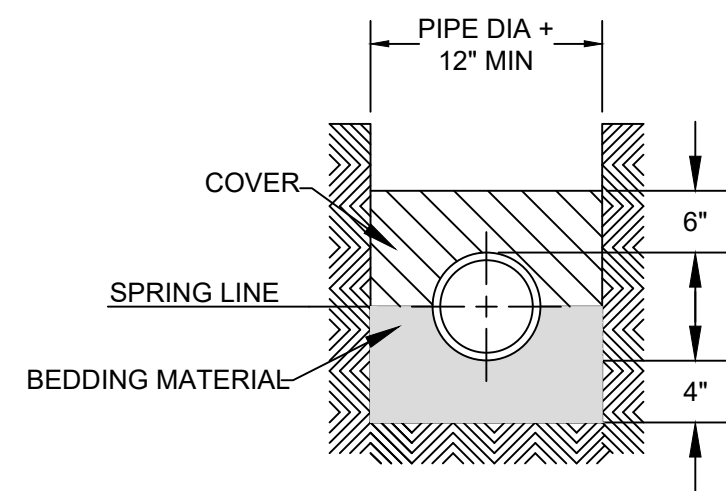
IF SOFT AREAS ARE ENCOUNTERED THAT NEED TO BE UNDERCUT, NOTIFY THE ENGINEER. AREAS WILL BE PROOF ROLLED WITH A FULLY LOADED DUMP TRUCK OR WATER TRUCK. AT THE DIRECTION OF THE ENGINEER, EXCAVATE SOFT AREAS, HALL UNSUITABLE MATERIAL OFFSITE, INSTALL GEOTEXTILE FABRIC AND 12" OF BREAKER RUN.

4
C 701
ROAD CROSS SECTION
NO SCALE



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.

5
C 701
PARKING LOT CROSS SECTION
NO SCALE



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 THE PIPE.

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

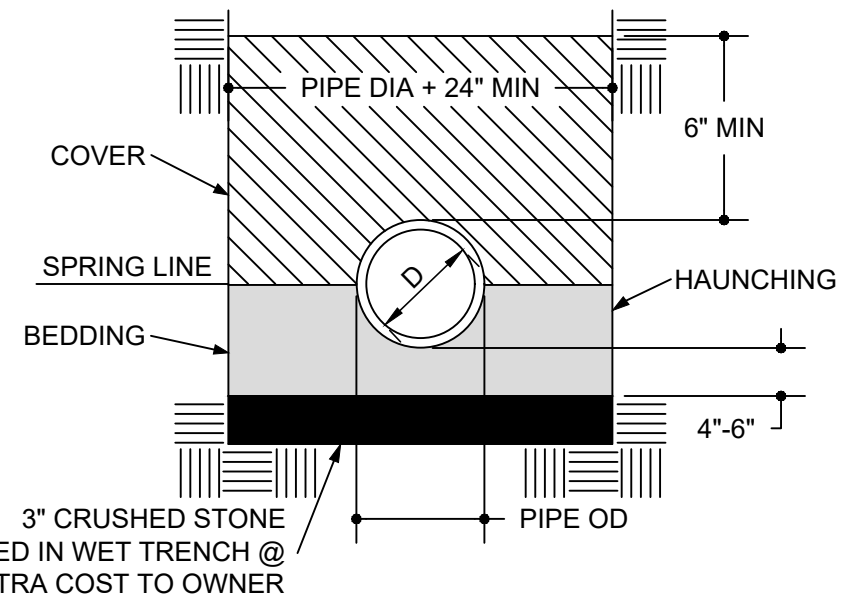
CLASS IB - CLEAN, ANGULAR CRUSHED STONE, CRUSHED ROCK, OR CRUSHED GRAVEL CONFORMING TO THE FOLLOWING GRADATION:

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 CLASIFIED IN ASTM D2487 AS GW, GP, SW, SP.

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

6
C 701
RIGID PIPE BEDDING
NO SCALE



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 GRAVEL CONFORMING TO FOLLOWING GRADATION:

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

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

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

INSTALLATION:
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.

7
C 701
FLEXIBLE PIPE BEDDING
NO SCALE

NOT FOR CONSTRUCTION

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REQUIRES MIN. OF 3 WORK DAYS
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V:\Projects\2023\123\0424\306\DDI\1230424 LAND PLANS\LANDSCAPE NOTES_20231229_1227 PM_ANSI FULL BLEED.DWG ANDY MEISSMANN LANDSCAPE NOTES_20231229_1227 PM_ANSI FULL BLEED.DWG (34.00 x 22.00 INCHES)

GENERAL LANDSCAPE NOTES

1. 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 WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.

2. 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.

3. 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 QUALITY SHALL BE CONSISTENT WITH THE PLANS.

4. ALL PLANT MATERIAL SHALL AT LEAST MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1-LATEST EDITION).

5. 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.

6. ALL PLANT MATERIAL SHALL BE GROWN IN ZONE CAPABLE OF WITHSTANDING LOCAL CLIMATE AND GROWING CONDITIONS.

7. TREE OR SHRUB SHALL STAND PLUMB. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACK FILLING.

8. 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.

9. 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.

16. 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.

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.

25. ALL TREES ARE TO BE STAKED AND GUYED PER DETAILS. OBTAIN APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.

26. ALL TREES INSTALLED ABOVE RETAINING WALLS UTILIZING GEO-GRID MUST BE 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

1. 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.

3. 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.

4. 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.

9. SEE GENERAL CONDITIONS AND TECHNICAL SPECIFICATIONS FOR FURTHER INFORMATION AND REQUIREMENTS.

BIORETENTION PLANTING NOTES

1. 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

3. 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.

4. 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.

5. 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 MADE.

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.

7. 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 incarnata	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 listed plants		

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1-800-242-8511

TOLL FREE

WIS. STATUTE 182.0175 (1974)

REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

NOT FOR CONSTRUCTION

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

Nomenclature		Seed Metrics			
		Oz/Acre	Seeds/Oz	Seeds/ft ²	% Mix by No. Seeds
Grasses, Sedges, Rushes					
<i>Andropogon gerardi</i>	Big Bluestem	4.00	10,000	0.90	1.66
<i>Bouteloua curtipendula</i>	Side oats Grama	36.00	6,000	5.00	8.95
<i>Carex bicknellii</i>	Bicknell's Oval Sedge	0.50	17,000	0.20	0.35
<i>Carex brevior</i>	Fescue Sedge	0.75	29,000	0.50	0.90
<i>Carex molesta</i>	Field Oval Sedge	0.50	25,000	0.30	0.52
<i>Elymus canadensis</i>	Canada Wild Rye	28.00	5,200	3.30	6.03
<i>Panicum virgatum</i>	Switch Grass	2.00	14,000	0.60	1.16
<i>Schizachyrium scoparium</i>	Little Bluestem	28.00	15,000	9.60	17.41
<i>Sorghastrum nutans</i>	Indian Grass	6.00	12,000	1.70	2.98
Forbs					
<i>Agastache foeniculum</i>	Blue Giant Hyssop	0.50	90,000	1.00	1.86
<i>Allium cernuum</i>	Nodding Onion	1.00	7,600	0.20	0.31
<i>Amorpha canescens</i>	Lead Plant	1.50	16,000	0.60	0.99
<i>Amorossolum atriplicifolium</i>	Prairie Plantain	1.00	6,000	0.10	0.25
<i>Artemisia ludoviciana</i>	Louisiana Sage Wort	0.20	250,000	1.10	2.07
<i>Asclepias tuberosa</i>	Butterfly Weed	1.50	4,300	0.10	0.27
<i>Astragalus canadensis</i>	Canadian Milk Vetch	1.50	17,000	0.60	1.06
<i>Baptisia alba</i>	White Wild Indigo	1.00	1,700	0.00	0.07
<i>Chamaecrista fasciculata</i>	Partridge Pea	6.00	2,700	0.40	0.67
<i>Dalea candida</i>	White Prairie Clover	1.00	19,000	0.40	0.79
<i>Dalea purpurea</i>	Purple Prairie Clover	4.00	15,000	1.40	2.49
<i>Drymocalis arguta</i>	Prairie Cinquefoil	0.60	230,000	3.20	5.72
<i>Echinacea pallida</i>	Pale Purple Coneflower	2.00	5,200	0.20	0.43
<i>Eryngium yuccifolium</i>	Rattlesnake Master	1.50	7,500	0.30	0.47
<i>Helioopsis helianthoides</i>	False Sunflower	1.50	6,300	0.20	0.39
<i>Lespedeza capitata</i>	Round-headed Bush Clover	1.00	8,000	0.20	0.33
<i>Liatris aspera</i>	Rough Blazing Star	0.50	16,000	0.20	0.33
<i>Lupinus perennis</i>	Wild Lupine	1.00	1,100	0.00	0.05
<i>Monarda fistulosa</i>	Wild Bergamot	1.00	70,000	1.60	2.90
<i>Oligoneuron rigidum</i>	Stiff Goldenrod	1.50	41,000	1.40	2.55
<i>Pycnanthemum virginianum</i>	Mountain Mint	0.20	220,000	1.00	1.82
<i>Ratibida pinnata</i>	Yellow Coneflower	1.50	30,000	1.00	1.86
<i>Rudbeckia hirta</i>	Black-eyed Susan	4.00	92,000	8.40	15.25
<i>Sliphium laciniatum</i>	Compass Plant	2.00	660	0.00	0.05
<i>Solidago speciosa</i>	Showy Goldenrod	0.50	95,000	1.10	1.97
<i>Symphytichum laeve</i>	Smooth Blue Aster	1.00	55,000	1.30	2.28
<i>Symphytichum novae-angliae</i>	New England Aster	0.20	66,000	0.30	0.55
<i>Tradescantia ohniensis</i>	Ohio Spiderwort	1.50	8,000	0.30	0.50
<i>Verbena stricta</i>	Hairy Vervain	2.00	28,000	1.30	2.32
<i>Veronicastrum virginicum</i>	Culver's Root	0.25	800,000	4.60	8.29
<i>Zizia aurea</i>	Golden Alexanders	2.50	11,000	0.60	1.14

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

¹Seed mix is designed for 1.0acre. This seed mix should be installed with an appropriate temporary cover crop based on tining of installation.

Table 2. Sauk County Farm Education Hub: Oak Savanna Seed Mix¹

Nomenclature		Seed Metrics			
		Oz/Acre	Seeds/Oz	Seeds/ft ²	% Mix by No. Seeds
Grasses, Sedges, Rushes					
<i>Andropogon gerardi</i>	Big Bluestem	8.00	10,000	1.80	2.61
<i>Bouteloua curtipendula</i>	Side oats Grama	6.00	6,000	0.80	1.18
<i>Bromus kalmii</i>	Prairie Brome	6.00	8,000	1.10	1.57
<i>Carex blanda</i>	Common Wood Sedge	2.00	12,500	0.60	0.82
<i>Carex brevior</i>	Fescue Sedge	1.00	29,000	0.70	0.95
<i>Carex molesta</i>	Field Oval Sedge	1.00	25,000	0.60	0.82
<i>Elymus canadensis</i>	Canada Wild Rye	8.00	5,200	1.00	1.36
<i>Elymus hystrix</i>	Bottlebrush Grass	10.00	7,600	1.70	2.48
<i>Elymus villosus</i>	Hairy Wild Rye	8.00	5,500	1.00	1.44
<i>Elymus virginicus</i>	Virginia Wild Rye	14.00	4,200	1.30	1.92
<i>Festuca subverticillata</i>	Nodding Fescue	1.00	20,000	0.50	0.65
<i>Panicum virgatum</i>	Switch Grass	2.00	14,000	0.60	0.91
<i>Schizachyrium scoparium</i>	Little Bluestem	18.00	15,000	6.20	8.81
<i>Sorghastrum nutans</i>	Indian Grass	6.00	12,000	1.70	2.35
Forbs					
<i>Agastache foeniculum</i>	Blue Giant Hyssop	1.00	90,000	2.10	2.94
<i>Agastache scopulariaefolia</i>	Purple Giant Hyssop	1.00	93,000	2.10	3.04
<i>Amorpha canescens</i>	Lead Plant	1.50	16,000	0.60	0.78
<i>Aquilegia canadensis</i>	Columbine	2.00	38,000	1.70	2.48
<i>Amorossolum atriplicifolium</i>	Prairie Plantain	2.00	6,000	0.30	0.39
<i>Asclepias tuberosa</i>	Butterfly Weed	1.50	4,300	0.10	0.21
<i>Astragalus canadensis</i>	Canadian Milk Vetch	1.00	17,000	0.40	0.55
<i>Blephilia hirsuta</i>	Hairy Wood Mint	0.50	240,000	2.80	3.92
<i>Campanula americana</i>	Tall Bellflower	0.50	170,000	2.00	2.77
<i>Chamaecrista fasciculata</i>	Partridge Pea	2.00	2,700	0.10	0.18
<i>Dodecatheon meadia</i>	Eastern Shooting Star	0.50	60,000	0.70	0.98
<i>Drymocalis arguta</i>	Prairie Cinquefoil	0.50	230,000	2.60	3.75
<i>Echinacea pallida</i>	Pale Purple Coneflower	1.50	5,200	0.20	0.25
<i>Eutrochium purpureum</i>	Purple Joe Pye Weed	0.50	42,000	0.50	0.69
<i>Helioopsis helianthoides</i>	False Sunflower	1.50	6,300	0.20	0.31
<i>Lespedeza capitata</i>	Round-headed Bush Clover	1.00	8,000	0.20	0.26
<i>Monarda fistulosa</i>	Wild Bergamot	1.50	70,000	2.40	3.43
<i>Polemonium reptans</i>	Jacob's Ladder	1.00	18,000	0.40	0.59
<i>Polygonatum biflorum</i>	Solomon's Seal	1.00	800	0.00	0.03
<i>Ratibida pinnata</i>	Yellow Coneflower	1.00	30,000	0.70	0.98
<i>Rudbeckia hirta</i>	Black-eyed Susan	4.00	92,000	8.40	12.01
<i>Rudbeckia triloba</i>	Brown-eyed Susan	1.00	34,000	0.80	1.11
<i>Scrophularia lanceolata</i>	Early Figwort	1.00	185,000	4.20	6.04
<i>Solidago ulmifolia</i>	Elm-leaved Goldenrod	1.00	130,000	3.00	4.24
<i>Symphytichum laeve</i>	Smooth Blue Aster	0.50	55,000	0.60	0.9
<i>Symphytichum calico</i>	Calico Aster	0.50	250,000	2.90	4.08
<i>lateriflorum</i>					
<i>Symphytichum shortii</i>	Short's Aster	0.50	60,000	0.70	0.98
<i>Tradescantia ohniensis</i>	Ohio Spiderwort	0.50	8,000	0.10	0.13
<i>Veronicastrum virginicum</i>	Culver's Root	0.50	800,000	9.20	13.06
<i>Zizia aurea</i>	Golden Alexanders	3.00	11,000	0.60	1.08

Plant Type	Species Richness	Total Oz/Acre	Total Seeds/ft ²	% Mix by No. Seeds
Grasses and Sedges	14	91.0	19.6	27.9
Forbs	30	35.5	50.7	72.2
Totals	44	126.5	70.3	100

¹Seed mix is designed for 1.0 acre. This seed mix should be installed with an appropriate temporary cover crop based on timing of installation.

SAUK COUNTY FARM EDUCATION HUB - PHASE 1

LANDSCAPE NOTES

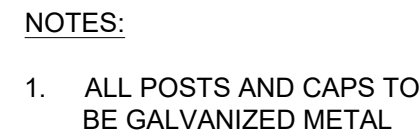
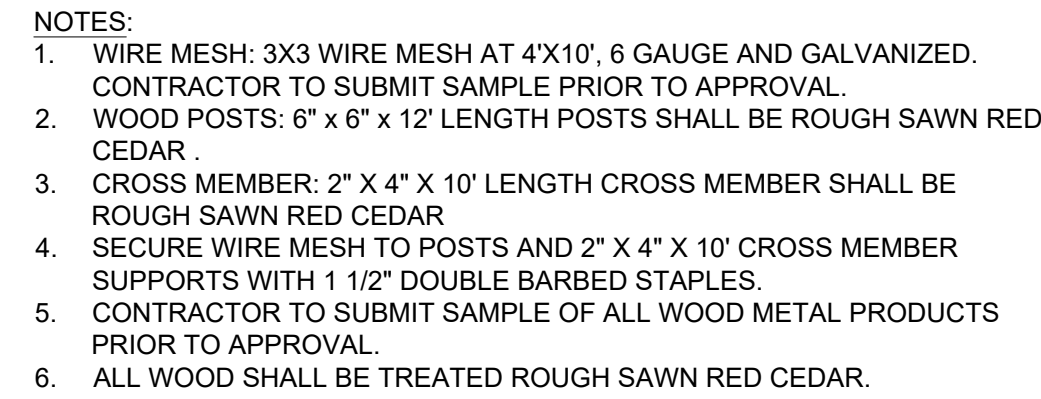
TOWN OF REEDSBURG, SAUK COUNTY, WISCONSIN

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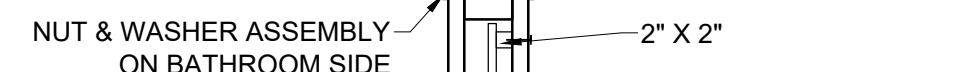
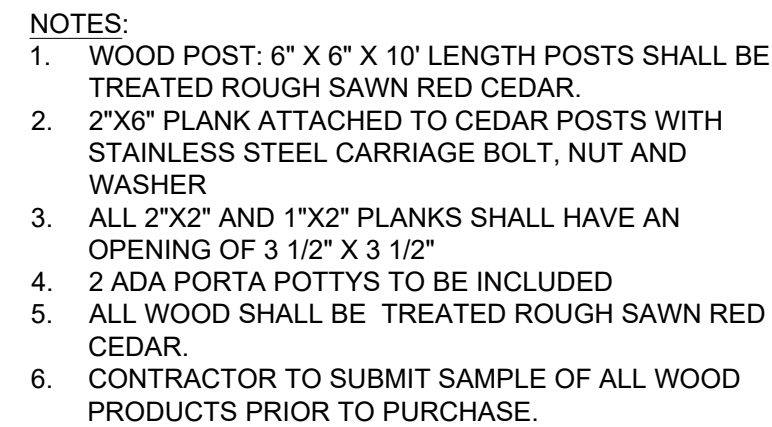
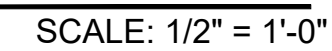


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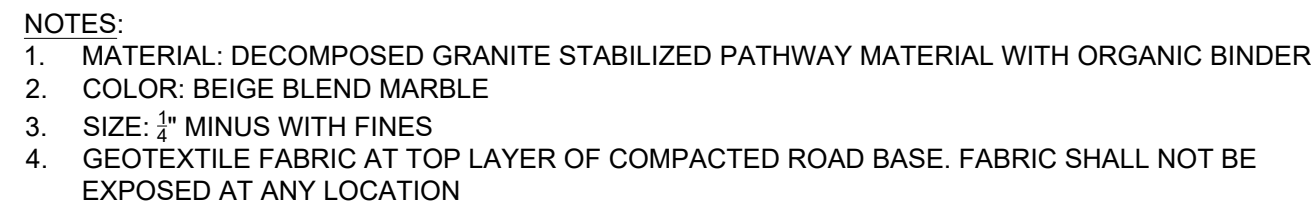


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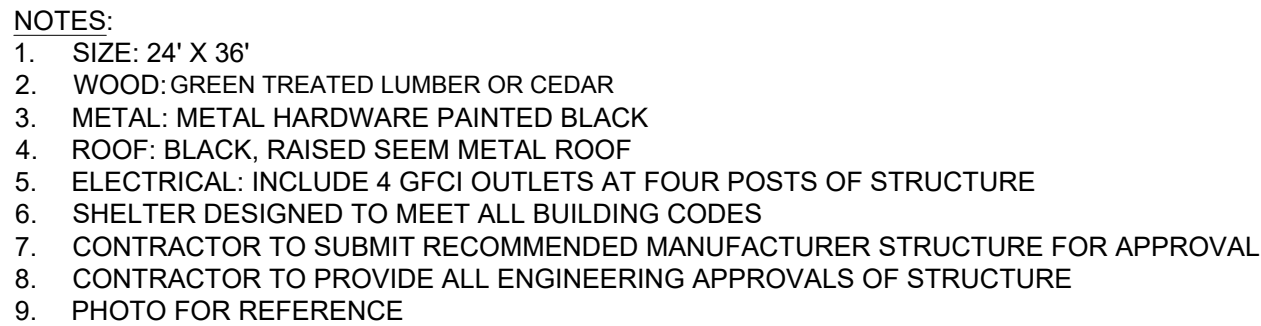
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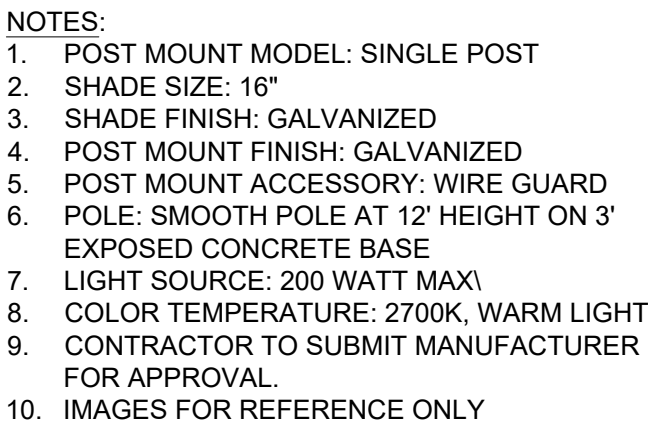
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