



SYSTEM SUMMARY	
MODULE SPECS	
MODULE MFR	ZNSHINE SOLAR
MODULE MODEL	ZXM7-SHDB144
MODULE PWR	550 W
MODULE QTY	13,104
STRING LENGTH	26
STRING QTY	504
MAX DC VOLTAGE	1,500 V
DC CAPACITY	7,207 MWDC
INVERTER SPECS	
INV MFR	CPS
INV MODEL	SCH275KTL-DO-US-800
INV PWR	250 KW / 250 KVA
INV VOLTAGE	0.800 KV
INV QTY	24
POWER FACTOR	UNITY
AC CAPACITY	6,000 MWAC
DC/AC RATIO	1.201
RACKING SPECS	
RACKING MFR	ATI
RACKING MODEL	DURATRACK HZ V3
RACK TYPE	SAT
MOD ORIENTATION	1-P
4-STR TABLE QTY	124
3-STR TABLE QTY	2
2-STR TABLE QTY	1
ARRAY TILT ANGLE	± 52°
ARRAY PITCH	20'-2.4" (37.0%)

LEGEND	
	PARCEL BOUNDARY
	ZONING SETBACK
	NEIGHBORING PARCEL
	PERIMETER FENCE (N)
	DELINEATED WETLAND
	UG MV (N)
	OH ELECTRICAL (E)
	OH ELECTRICAL (N)
	DC CAB SYSTEM
	800VAC INV OUTPUT TRENCH
	CTRL ATI MOTOR CONTROL
	480VAC ATI MOTOR POWER
	120VAC 120VAC AUX POWER
	24VDC 24VDC AUX POWER
	RS485 INV COMMUNICATION
	ANLG WS COMMUNICATION
	INVERTER SUBARRAY
	TRACKER DRIVELINE

GENERAL NOTES:

- TRENCH ROUTING IS DIAGRAMMATIC AND FOR REFERENCE ONLY. ACTUAL ROUTES MAY VARY WITH SITE CONDITIONS AND FIELD VERIFICATION. CHANGES TO TRENCH ROUTES SHALL BE SUBMITTED TO OER ENGINEERING FOR REVIEW PRIOR TO INSTALLATION.
- REFER TO PROJECT CIVIL DRAWINGS FOR ADDITIONAL DELINEATED WETLAND DETAILS.
- UTILITY MEANS OF INTERCONNECTION TBD PENDING FINAL UTILITY AND STAKE HOLDER COORDINATION.



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Seattle, WA 98121
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206 922 7072

STRIX SOLAR
ONEENERGY RENEWABLES
BYRNE ROAD
FITCHBURG, WI 53575
42.971015, -89.934617

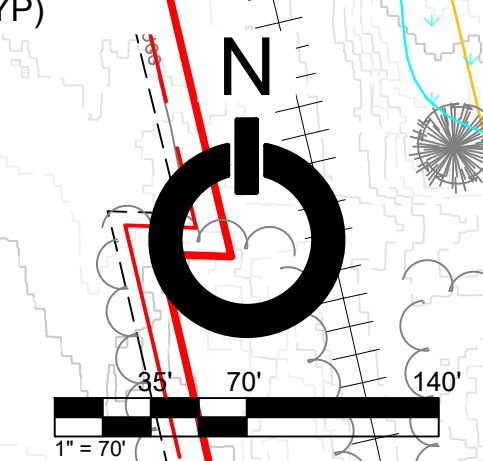
PRELIMINARY
NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE	BY	CHKD	SME	IT
A	30% SUBMITTAL	10.06.2023	AL			

REVISION LOG

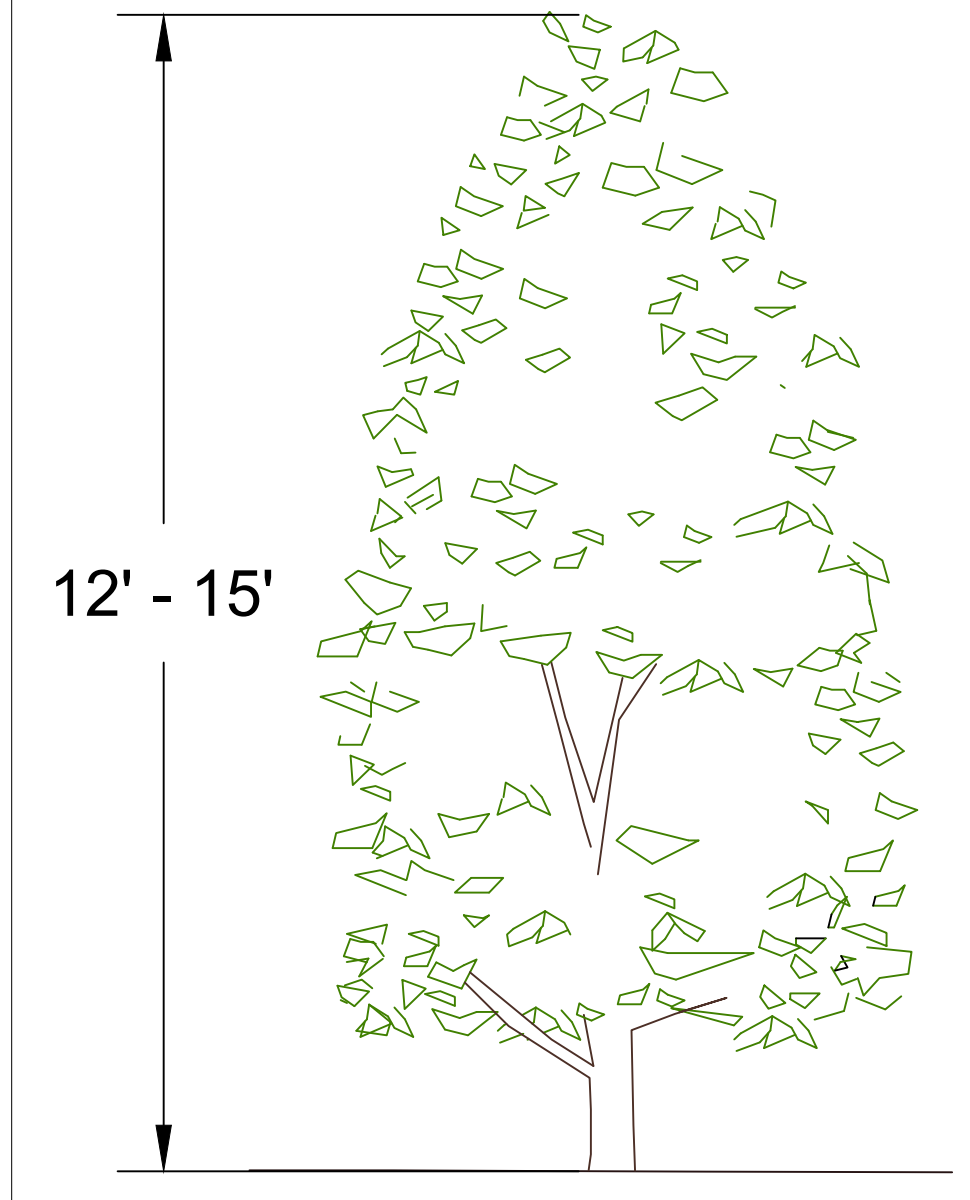
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SHEET NO: **A-103**

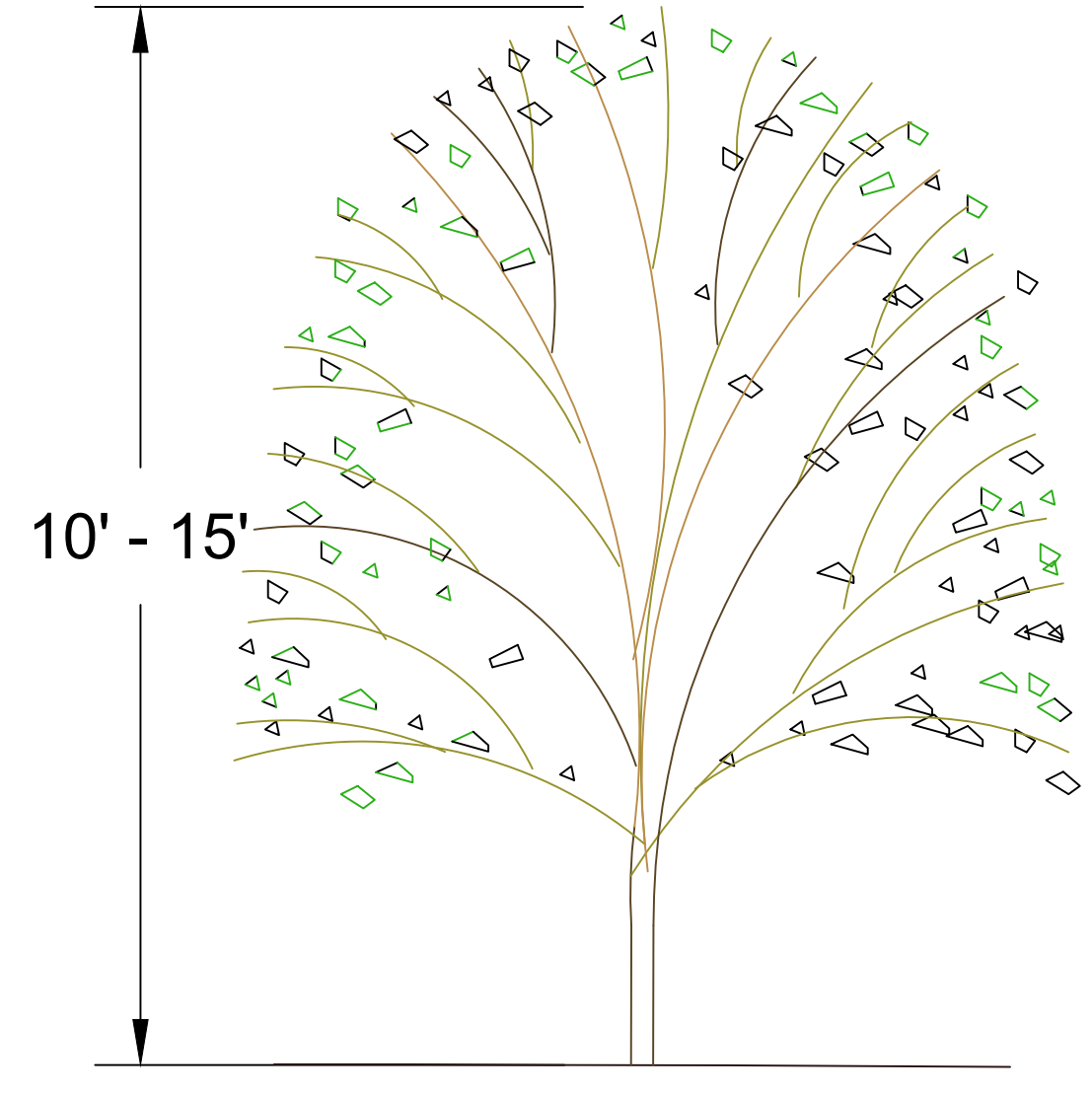




1 SITE PLAN VIEW
SCALE: 1" = 80'

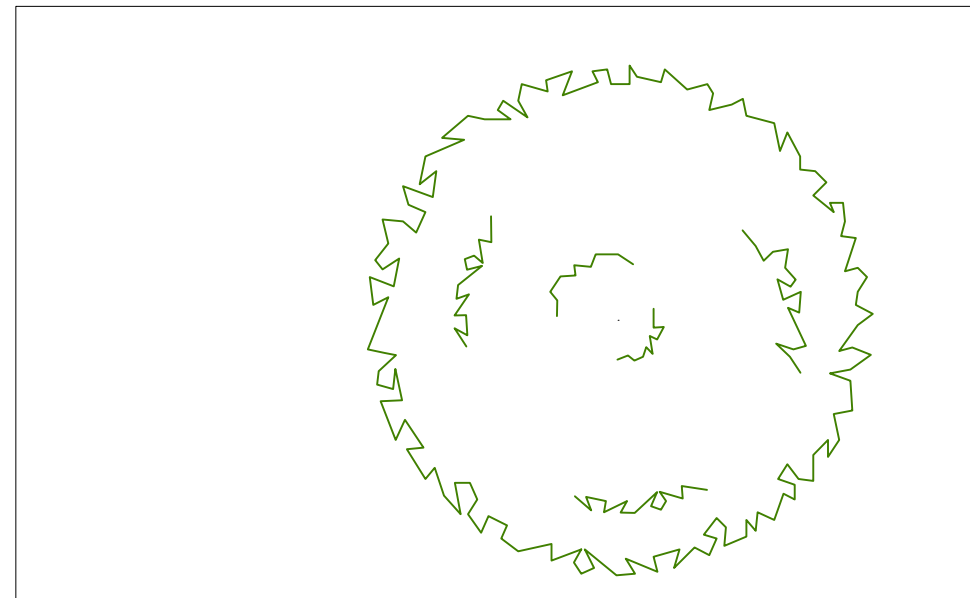


EVERGREEN TREE
(BLACK HILLS SPRUCE
OR EQUIV.)

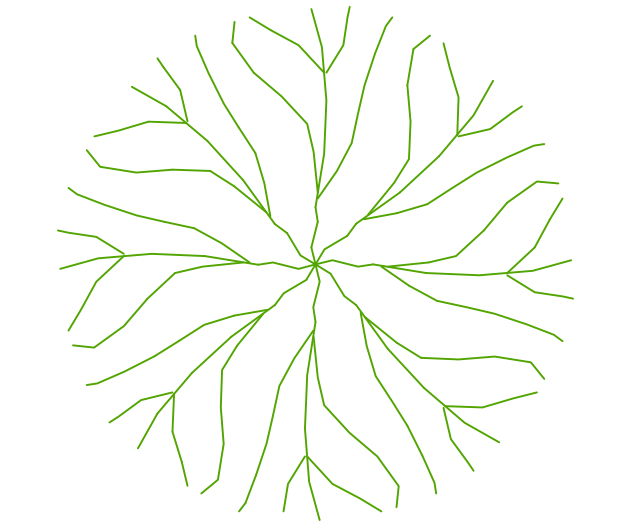


SHRUB (ALLEGHENY
SERVICEBERRY OR
EQUIV.)

2 VEGETATION ELEVATION VIEW
SCALE: NTS

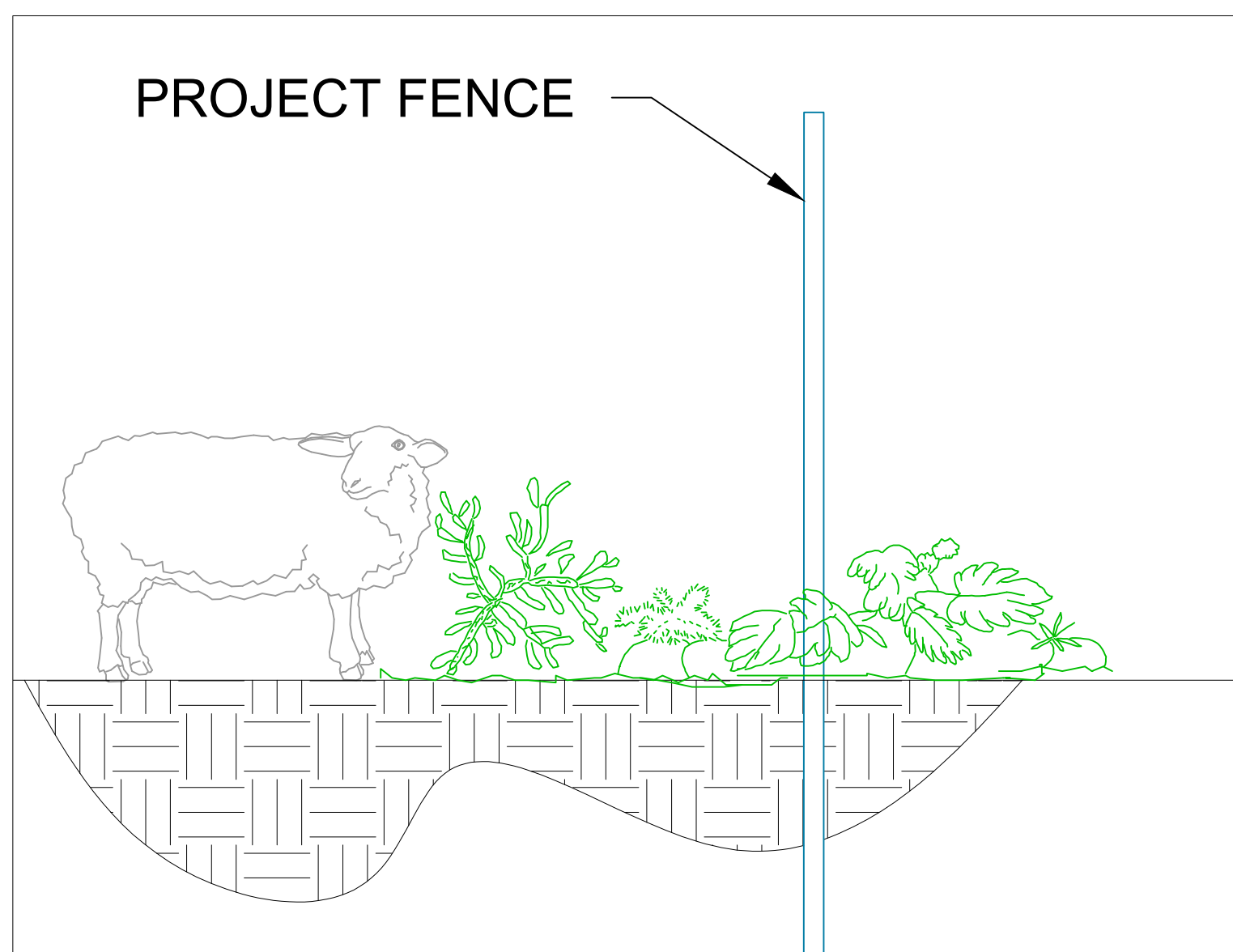


EVERGREEN TREE
(BLACK HILLS SPRUCE
OR EQUIV.)



SHRUB (ALLEGHENY
SERVICEBERRY OR
EQUIV.)

3 VEGETATION PLAN VIEW
SCALE: NTS



4 PASTURE VEGETATION FOR SHEEP GRAZING
SCALE: NTS

LEGEND	
	PARCEL BOUNDARY
	ZONING SETBACK
	NEIGHBORING PARCEL
	PERIMETER FENCE (N)
	UGMV UG MV (N)
	OHU OH ELECTRICAL (E)

OneEnergy
RENEWABLES

WRITTEN DIMENSIONS ON THIS PLAN SHALL SUPERCEDE SCALED DIMENSIONS. CONTRACTORS ARE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS. THIS DRAWING, DESIGN, CONCEPT AND ARRANGEMENT REMAIN THE PROPERTY OF ONEENERGY RENEWABLES AND SHALL NOT BE COPIED, DISCLOSED OR REPRODUCED WITHOUT CONSENT.

STRIX SOLAR
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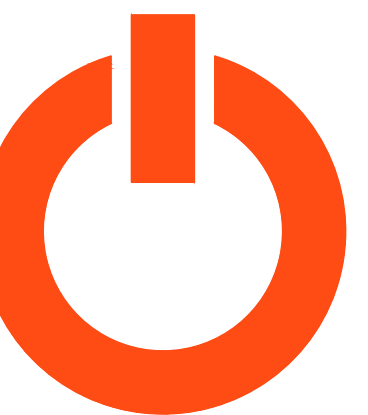
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			AL	PM	IT	IT
A	CONCEPT VEGETATION SCREEN DETAIL	10.06.2023				

STRIX SOLAR

CIVIL IMPROVEMENT PLANS

BYRNE ROAD, FITCHBURG, WI, 53575

SOLAR PV PROJECT
7.207 MWDC / 6.000 MWAC



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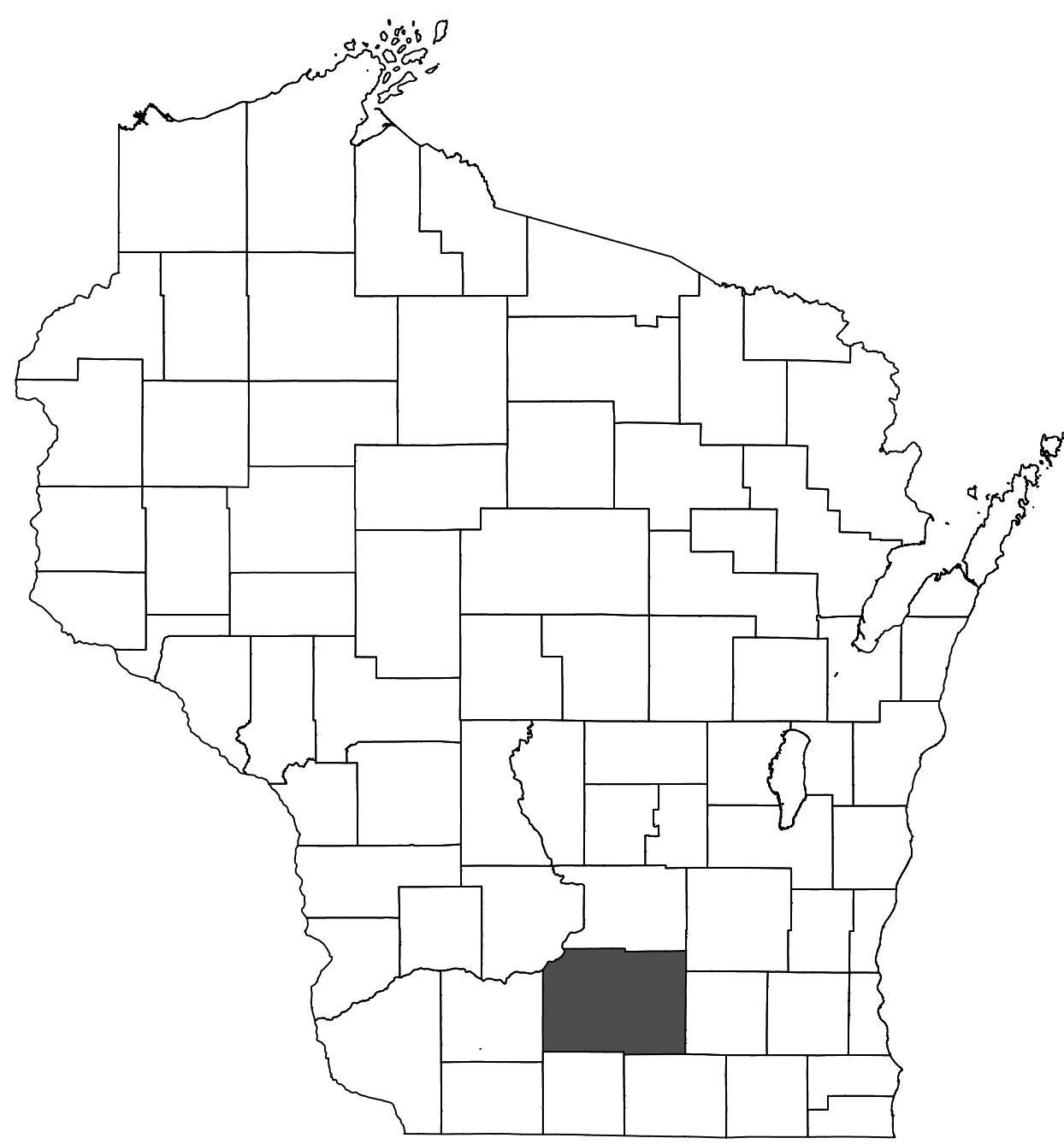


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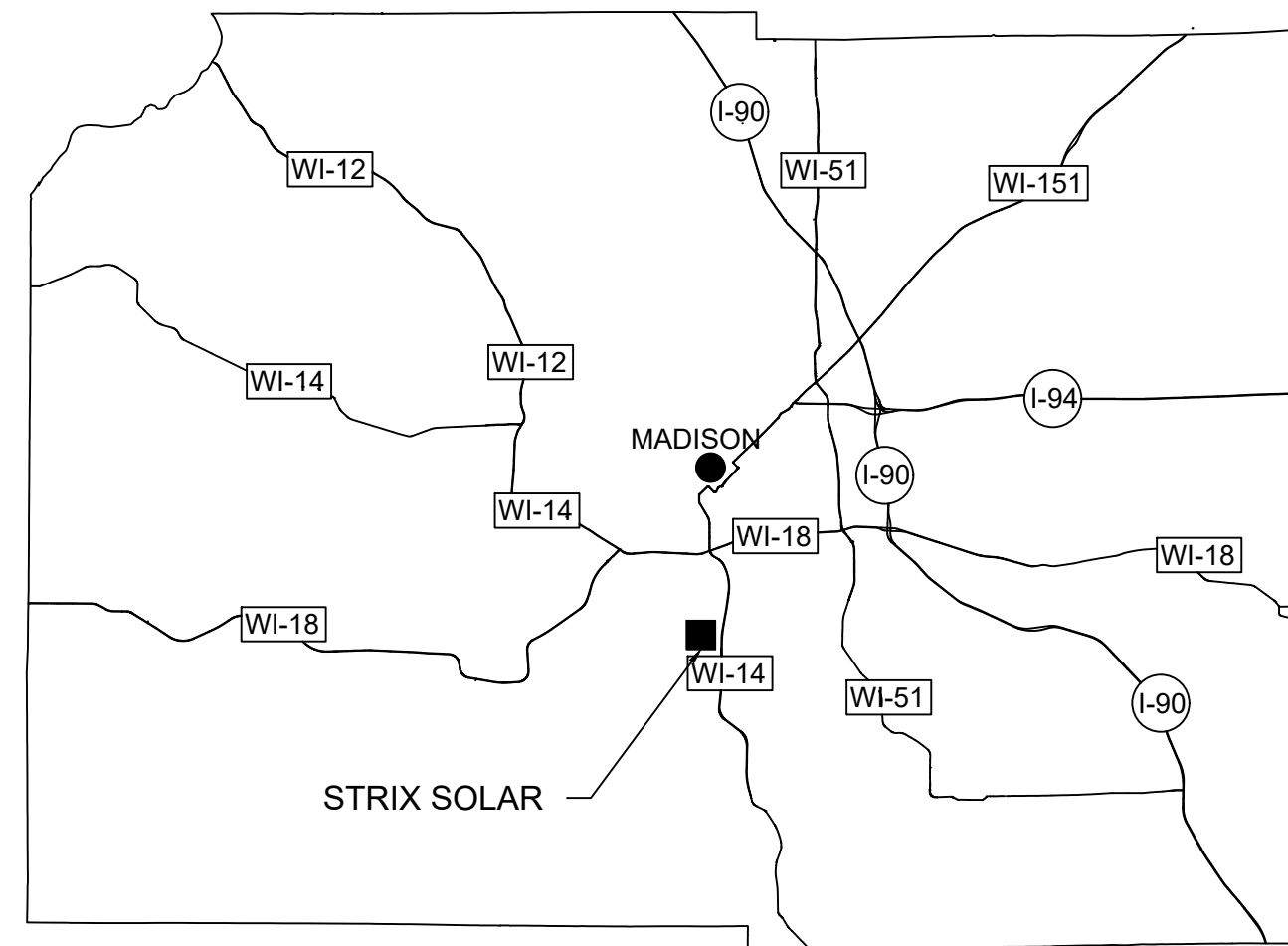
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WISCONSIN STATE MAP



DANE COUNTY MAP



PROJECT DETAILS

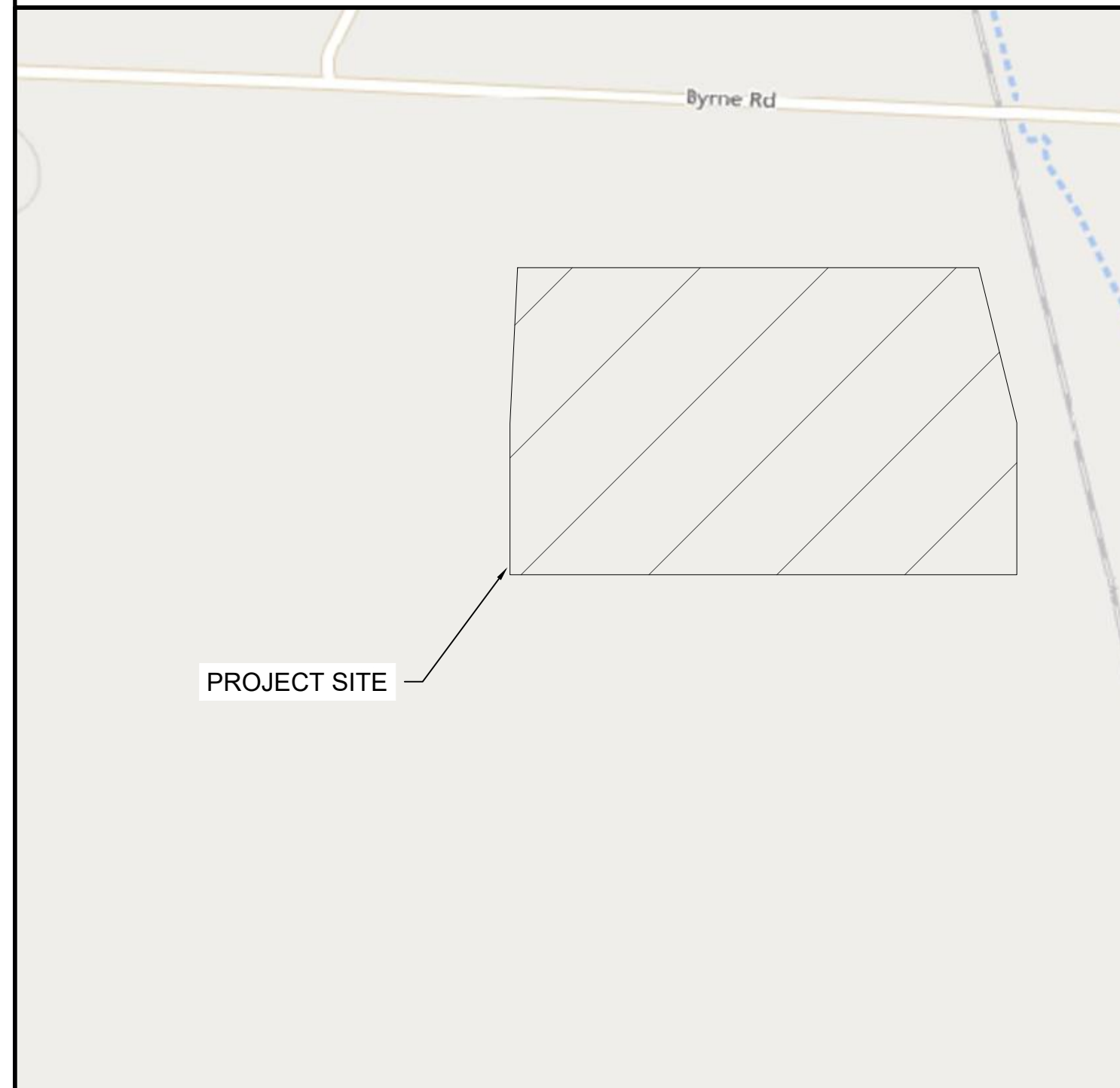
SYSTEM SUMMARY		SITE DESIGN CRITERIA	
MODULE SPECS		APPLICABLE CODE YEARS	
MODULE MFR	ZNSHINE SOLAR	NEC	2017
MODULE MODEL	ZXM7-SHDB144	IBC	2024
MODULE PWR	550 W	ASCE	2022
MODULE QTY	13,104	WIND SPEED	
STRING LENGTH	26	RISK CATEGORY	1
STRING QTY	504	VELOCITY (3s GUSTS)	100 MPH
MAX DC VOLTAGE	1,500 V	EXPOSURE CATEGORY	C
DC CAPACITY	7.207 MWDC	SNOW LOAD	
INVERTER SPECS		GROUND SNOW LOAD	41 PSF
INV MFR	CPS	IMPORTANCE FACTOR	0.8
INV MODEL	SCH275KTL-DO-US-800	EXPOSURE FACTOR	1.0
INV PWR	250 KW / 250 KVA	THERMAL FACTOR	1.2
INV VOLTAGE	0.800 KV	TEMPERATURE	
INV QTY	24	WEATHER STATION	DANE COUNTY REGIONAL
POWER FACTOR	UNITY	MAX DESIGN TEMP	34.2°C
AC CAPACITY	6.000 MWAC	MIN DESIGN TEMP	-25.3°C
DC/AC RATIO	1.201	SITE ELEVATION	969'-9.6"
RACKING SPECS		SEISMIC	
RACKING MFR	ATI	RISK CATEGORY	1
RACKING MODEL	DURATRACK HZ V3	SITE CLASS	D
RACK TYPE	SAT	MAPPED SPEC RSP S _s	0.077
MOD ORIENTATION	1-P	MAPPED SPEC RSP S _i	0.049
4-STR TABLE QTY	124	MAPPED SPEC RSP S _{0.5s}	0.082
3-STR TABLE QTY	2	MAPPED SPEC RSP S _{0.1}	0.079
2-STR TABLE QTY	1		
ARRAY TILT ANGLE	± 52°		
ARRAY PITCH	20'-2.4" (37.0%)		

DRAWING INDEX

DATE ISSUED	DESIGN STAGE	REVISION NUMBER
08/04/2023	30% - EPC BID & CIVIL DESIGN	
08/14/2023	50% - EPC REVIEW & PO	
10/05/2023	90% - FINAL EPC REVIEW	
10/24/2023	90% - REV 1	
	IFC - ISSUE FOR CONSTRUCTION	

NO.	TITLE	DATE	BY	CHKD	SME
C-000	TITLE SHEET				
C-001	GENERAL NOTES				
C-100	EXISTING CONDITIONS PLAN				
C-200	CIVIL SITE PLAN				
C-300	EROSION CONTROL PLAN				
C-400	CUT & FILL GRADING PLAN				
C-600	CIVIL DETAILS				
C-601	CIVIL DETAILS				
R-100	RESTORATION PLAN				

STREET MAP



AERIAL VIEW



PROJECT TEAM/ CONTACT

PROJECT DEVELOPER:		CIVIL PROJECT ENGINEER:	
ONEENERGY RENEWABLES, INC 2003 WESTERN AVE #225, SEATTLE WA 98121 PHONE: (206) 922-7072		COLIN OSE PHONE: (320) 226-8101	
PROJECT MANAGER:		ELECTRICAL PROJECT ENGINEER:	
PETER MURPHY PHONE: 262-573-3089		IAN TSAO PHONE: (757) 788-1542	
CONSTRUCTION MANAGER:		CIVIL ENGINEER:	
XXX XXXX PHONE: (XXX) XXX-XXXX		VT POWER ENGINEERING LLC 1110 N DOCTOR MLJK JR. DRIVE, STE 505 MILWAUKEE WI 53203 PHONE: (414) 678-8937 EOR: VELMIR TERZIC LICENSE #: E-43366-6 EXPIRATION: XX/XX/20XX	
GENERAL CONTRACTOR:		PROJECT OWNER:	
COMPANY NAME STREET ADDRESS CITY, STATE, ZIP CODE POC: XXX XXXX PHONE: (XXX) XXX-XXXX		COMPANY NAME STREET ADDRESS CITY, STATE, ZIP CODE POC: XXX XXXX PHONE: (XXX) XXX-XXXX	

REV	DESCRIPTION	DATE	BY	CHKD	SME
A	30% CIVIL PLANS	08/04/2023	EV	WW	CO
B	60% CIVIL PLANS	08/14/2023	EV	WW	CO
C	90% CIVIL PLANS	10/05/2023	WW	CO	CO
D	90% REV 1 CIVIL PLANS	10/24/2023	WW	CO	CO

SHEET TITLE:

CIVIL TITLE SHEET

SHEET NO: C-000

GENERAL CIVIL NOTES:

- 1. THE PURPOSE OF THIS PLANSET IS TO DEPICT THE CIVIL COMPONENTS FOR THE CONSTRUCTION OF A SOLAR ENERGY FACILITY IN WASHINGTON COUNTY. REFER TO ELECTRICAL CONSTRUCTION DOCUMENTS AND RACKING PROVIDER SPECIFICATION FOR THOSE COMPONENTS.
2. CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS. WHEN CONFLICTS EXIST BETWEEN LOCAL JURISDICTIONAL STANDARDS SPECIFICATIONS AND ONEENERGY RENEWABLES, THE MORE STRINGENT SPECIFICATIONS SHALL APPLY.
3. ALTA SURVEY DATA PROVIDE BY RA SMITH DATED: 08.09.2023
4. SOIL DATA IS REFERENCED TO THE NRCS SOIL SURVEY AND THE GEOTECHNICAL REPORT PROVIDED BY: BRAUN INTERC. TITLED: GEOTECHNICAL EVALUATION REPORT DATED: 10.23.2023
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE GEOTECHNICAL REPORT THOROUGHLY TO HAVE AN UNDERSTANDING OF RISKS REGARDING CIVIL GRADING, ROAD CONSTRUCTION, CULVERT REQUIREMENTS, DRAIN TILE REPAIR, PRIVATE UTILITY LOCATE COORDINATION, AND GENERAL SUBSURFACE RISKS TO THE PROJECT. THE GEOTECHNICAL REPORT SHALL TAKE PRECEDENCE OVER ANY NOTES AND DETAILS SHOWN ON THIS PLAN SET REGARDING SITE PREPARATION, FILL PLACEMENT, SUBGRADE DESIGN, COMPACTION AND ROADWAY SECTIONS. ANY DISCREPANCIES FOUND SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. WETLAND DELINEATION REPORT PROVIDED BY: EMMONS & OLIVIER RESOURCES, INC. TITLED: Strix Solar Delineation Report DATED: 07.20.2023.
6. CONTRACTOR SHALL FIELD VERIFY SURVEY CONTROL AND DESIGN COORDINATES PRIOR TO STARTING CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER WITH ANY DISCREPANCIES FOUND. HORIZONTAL: WISCONSIN COUNTY SYSTEMS: DANE COUNTY, US FOOT. VERTICAL: NAVD88. CONTROL POINTS TO BE PROVIDED.
7. LOCATION OF EXISTING UTILITIES SHOWN ON PLANS WAS COMPILED FROM RECORD INFORMATION. NO WARRANTY IS IMPLIED AS TO THE ACTUAL LOCATION OF EXISTING UTILITIES. CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
8. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT EXISTING SITE OR UTILITY ELEMENTS NOT INTENDED FOR DEMOLITION OR REMOVAL.
9. CONTRACTOR SHALL CONTACT LINE LOCATION SERVICE FOR THE LOCATION OF EXISTING UTILITIES THREE (3) BUSINESS DAYS PRIOR TO EXCAVATION. ADDITIONALLY, CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATION SERVICES.
10. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAY CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM REQUIRED WORK.
11. CONSTRUCTION SHALL NOT OCCUR IN ANY PUBLIC RIGHT OF WAY, PUBLIC OR PRIVATE EASEMENTS, BEYOND THE LIMITS OF DISTURBANCE OR OUTSIDE THE LEASE LIMITS WITHOUT A PERMIT. PUBLIC OR PRIVATE PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE COST OF THE CONTRACTOR.
12. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (E.G. BARRICADES, TOPSOIL DISTURBANCE, EXCAVATIONS, AND NPDES STORMWATER.)
13. ALL SIGNAGE SHALL CONFORM TO APPLICABLE SECTION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION AND WISDOT GUIDANCE.
14. CONTRACTOR TO DETERMINE THE SOURCE OF AND SECURE APPROVAL OF CONSTRUCTION WATER AS NECESSARY TO COMPLETE THE PROJECT.
15. THE LOCATION OF PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCING, SOLAR ARRAY RACKING, INVERTER/TRANSFORMER STRUCTURES, OVERHEAD POLES AND LINES, ETC, SHOWN ARE APPROXIMATE AND SUBJECT TO MODIFICATION DUE TO SITE CONDITIONS, ADDITIONAL PERMITTING REQUIREMENTS, EQUIPMENT SPECIFICATIONS, AND/OR OTHER CONSTRAINTS. CONTRACTOR SHALL OBTAIN OWNER'S APPROVAL PRIOR TO MODIFYING LOCATIONS.
16. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS DESIGNATED ON THE PLANS REMOVING ALL TREES, STUMPS, BRUSH AND DEBRIS. TREES AND BRUSH LOCATED OUTSIDE OF THE PROJECT FENCE SHALL NOT BE DISTURBED EXCEPT WHERE NOTED ON THE PLANS.
17. AREAS THAT ARE NOT TO BE CLEARED AND GRUBBED SHALL HAVE ANY EXISTING VEGETATION MOWED TO A MAXIMUM HEIGHT OF 6 INCHES.
18. VEGETATION IN AREAS OUTSIDE OF GRADING WORK SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE.
19. NO BURNING OF DEBRIS IS ALLOWED WITHOUT THE NECESSARY PERMITS FROM JURISDICTIONAL GOVERNING AUTHORITIES AND APPROVAL BY THE OWNER.
20. CONTRACTOR SHALL MAINTAIN ACCESS AND UTILITY SERVICES TO ANY REMAINING BUILDINGS OR ADJACENT BUILDINGS THROUGHOUT ALL PHASES OF THE PROJECT.
21. CONTRACTOR IS RESPONSIBLE FOR SITE DRAINAGE DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES SHALL NOT ALTER EXISTING DRAINAGE PATTERNS OTHER THAN SHOWN ON THE CONSTRUCTION PLANS OR IN ANY WAY THAT WOULD CAUSE DAMAGE TO EXISTING FACILITIES OR NEIGHBORING PROPERTIES.
22. ELECTRONIC FILES OF CONSTRUCTION DRAWINGS ARE AVAILABLE UPON REQUEST. ELECTRONIC FILES SHALL BE USED AT THE CONTRACTORS RISK. IN THE EVENT DISCREPANCIES EXIST BETWEEN ELECTRONIC FILE AND CONSTRUCTION DRAWINGS, THE SITE SHALL BE BUILT TO THE SPECIFICATION OF THE CONSTRUCTION DRAWING. NOTIFY THE ENGINEER AS SOON AS DISCREPANCIES ARE NOTED.
23. AT COMPLETION OF THE CONSTRUCTION, AGGREGATE ROAD SURFACES SHALL BE RE-GRADED TO DESIGNED SURFACE ELEVATION. RUTS CAUSED BY CONSTRUCTION TRAFFIC SHALL BE REMOVED. ANY INCIDENTAL DISTURBANCE ASSOCIATED WITH THE ROAD GRADING SHALL BE RESTORED.

SUBMITTAL REQUIREMENTS:

- 1. SUBMITTAL REQUIREMENTS:THE CONTRACTOR SHALL SUBMIT AGGREGATE, GEOGRID AND GEOTEXTILE MATERIAL TO BE USED DURING CONSTRUCTION TO ONEENERGY RENEWABLES.
2. SUBMIT TESTING AND INSPECTION RECORDS TO THE CIVIL ENGINEER OF RECORD FOR REVIEW.

TESTING REQUIREMENTS:

- 1. GENERAL TESTING REQUIREMENTS
1.1. TESTING SHALL BE PERFORMED BY A DESIGNATED INDEPENDENT TESTING AGENCY.
1.2. PROOF ROLLING SHALL BE PERFORMED IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER OR A QUALIFIED REPRESENTATIVE USING A FULLY LOADED TANDEM AXLE DUMP TRUCK OR A TRUCK WITH

EQUIVALENT AXLE LOADING.

- 2. CONCRETE TESTING REQUIREMENTS
2.1. SAMPLING - SAMPLING SHOULD BE DONE IN ACCORDANCE WITH ASTM C172
2.2. AIR - CONCRETE TO BE TESTED FOR AIR ENTRAINMENT (5%-7%) PER ASTM C231
2.3. COMPRESSIVE - 5, 4X8" CYLINDERS TO BE CREATED AND TESTED FOR COMPRESSIVE STRENGTH PER ASTM C31
2.4. TEMPERATURE - 50-95 DEGREES FAHRENHEIT PER ASTM C1064
3. SITE GRADING TESTING REQUIREMENTS
3.1. AGGREGATE BASE, STRUCTURAL FILL OF ANY TYPE, AND ROAD FILL SHALL BE MOISTURE CONDITIONED AND COMPACTED TO 95% MINIMUM FOR FINE GRAINED SOIL AND 98% FOR COARSE PROCTOR DENSITY AND WITHIN +/- 3% OF THE OPTIMUM MOISTURE CONTENT. 1 TEST PER FOOT PER EQUIPMENT PAD AND 1 TEST PER 300 LINEAR FEET OF ROAD.
3.2. SOILS USED AS STRUCTURAL FILL IN THE ARRAY AREA SHALL BE SAMPLED. A PROCTOR TEST PERFORMED AND THE INSTU DENSITY PERCENTAGE DETERMINED WITH A NUCLEAR DENSITY GAUGE IN ACCORDANCE TO ASTM D2922. THIS VALUE SHALL DETERMINE THE MINIMUM COMPACTION REQUIRED FOR FILL WITHIN THE ARRAY. TESTING IS REQUIRED FOR ANY STRUCTURAL FILL GREATER THAN 1 FOOT IN DEPTH, AT A FREQUENCY OF 1 TEST PER FOOT OF FILL FOR EVERY 5,000 SF. DEPTH DOES NOT INCLUDE FINISHED TOPSOIL.
3.3. NON-STRUCTURAL FILL SHALL BE COMPACTED TO 90% PROCTOR DENSITY AND WITHIN +/-4% OF THE OPTIMUM MOISTURE CONTENT. NO TESTING REQUIRED ON NON-STRUCTURAL VEGETATED AREAS OUTSIDE OF ARRAY.

GRADING AND DRAINAGE NOTES:

- 1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE BEFORE BEGINNING SITE GRADING ACTIVITIES.
2. LABELED PIPE LENGTH INCLUDES APRON LENGTH.
3. CONTRACTOR SHALL FIELD ADJUST CUT AND FILL AS NECESSARY TO CREATE A BALANCED SITE WITHOUT NEGATIVELY IMPACTING DRAINAGE PATTERNS, OR VIOLATING MAXIMUM SLOPES OR PILE REVEAL MAXIMUM AND MINIMUM HEIGHTS.
4. CONTRACTOR SHALL STRIP TOPSOIL, VEGETATION, AND OTHER DELETERIOUS ORGANIC MATERIALS FROM PROPOSED EQUIPMENT PADS, ROADWAYS, AND AREAS TO RECEIVE FILL. RE-SPREAD TOPSOIL TO A MINIMUM DEPTH OF 6" OVER DISTURBED AREAS ONSITE.
5. CONTRACTOR SHALL LIMIT DISTURBED AREA AS MUCH AS POSSIBLE AND CONDUCT GRADING OPERATIONS IN A MANNER TO MINIMIZE THE POTENTIAL FOR EROSION.
6. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, DEVELOPMENT SITE CONDITIONS, AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
7. IN COMPLIANCE WITH THE SWPPP DOCUMENT, DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR MORE THAN 7 DAYS SHALL BE SEEDED WITH TEMPORARY SEED IN ACCORDANCE WITH WDNR TECHNICAL SPECIFICATION 1029.
8. CONTRACTOR TO DISPOSE OF ANY UNSUITABLE/EXCESS/WASTE SOIL MATERIAL UNLESS OTHERWISE DIRECTED, INCLUDING BUT NOT LIMITED TO ANY ROCKS UNEARTHED DURING GRADING, TRENCHING, OR PILE REMEDIATION WORK. THE DISPOSAL OF THESE MATERIALS SHALL BE INCLUDED IN THE BID PRICE.
9. MAINTAIN TEMPORARY PROTECTION MEASURES DURING CONSTRUCTION ACTIVITIES. SEE SITE REMOVALS PLAN FOR ADDITIONAL INFORMATION. PROVIDE ADDITIONAL PROTECTION AS NECESSARY AS WORK PROGRESSES.
10. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE TO FINISHED SURFACE GRADE UNLESS OTHERWISE NOTED.
11. PROVIDE POSITIVE DRAINAGE AWAY FROM INVERTERS AND ELECTRICAL EQUIPMENT AT ALL TIMES.
12. NO GRADED SLOPES SHALL EXCEED 3:1 (HORIZONTAL TO VERTICAL) UNLESS OTHERWISE NOTED.
13. UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AND PROVIDE A SMOOTH FINISHED SURFACE WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE SHOWN.
14. PUBLIC ROADS SHALL BE CLEANED AT THE END OF EACH WORKING DAY AT A MINIMUM.
15. EARTHWORK QUANTITIES SHALL BE PAID AS PLAN QUANTITY. CONTRACTOR MAY ELECT TO CONDUCT AND PROVIDE GRADING CALCULATIONS TO DISPUTE PLAN QUANTITY FOR CONSIDERATION BY OWNER. NO ADDITIONAL COMPENSATION FOR EARTHWORK SHALL BE PAID, UNLESS EXPLICITLY AGREED TO BY OWNER AND CONTRACTOR.

ACCESS DRIVE AND SITE PREPARATION:

- 1. FILL MATERIALS AND PLACEMENT
1.1. ALL STRUCTURAL FILL MATERIALS SHALL BE INORGANIC SOILS FREE OF VEGETATION, DEBRIS, FROZEN SOIL, AND FRAGMENTS LARGER THAN THREE (3") INCHES IN SIZE. PEA GRAVEL OR OTHER SIMILAR NON-CEMENTITIOUS POORLY-GRADED MATERIALS SHALL NOT BE USED AS FILL OR BACKFILL WITHOUT THE PRIOR APPROVAL OF THE GEOTECHNICAL ENGINEER.
1.2. CLEAN ON-SITE SOILS OR APPROVED IMPORTED MATERIAL MAY BE USED AS STRUCTURAL FILL MATERIAL FOR SITE GRADING IN ARRAY AREAS AND BELOW ACCESS ROADS. THIS MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 9".
1.3. ANY IMPORTED SOILS MUST HAVE EXPANSION INDEX VALUES IN THE "VERY LOW" RANGE.
2. SITE GRADING
2.1. EXPOSED ROAD SUBGRADE SOILS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF TWELVE (12) INCHES, AND COMPACTED. THE COMPACTED EXPOSED SUBGRADES SHALL BE PROOF ROLLED AND OBSERVED BY A GEOTECHNICAL ENGINEER TO DETERMINE IF SOFT SOILS EXIST. IF SOFT SOILS EXIST THEY SHALL BE SCARIFIED AND ALLOWED TO DRY, RECOMPACTION EFFORTS SHALL BE TAKEN AND ADDITIONAL AGGREGATE MAY BE ADDED FOR STABILITY. COMPACTION EQUIPMENT SHALL BE LIMITED TO COMPACTION AREAS, ACCESS ROAD AND EQUIPMENT PADS, TO AVOID INCIDENTAL COMPACTION OF GREENSPACE AREAS.
2.2. ROCK CONSTRUCTION ENTRANCES SHALL COMPLY WITH WISCONSIN DNR TECHNICAL STANDARD 1057: TRACKOUT CONTROL PRACTICES.
2.3. TOPSOIL CAN BE USED TO BRING THE GROUND ELEVATIONS UP TO THE DESIGNED FINISHED GRADE ELEVATIONS. THE TOP 6" OF FINISHED GRADE IN AREAS TO BE SEEDED SHALL CONSIST OF TOPSOIL.
2.4. THE TOPSOIL SHALL HAVE TEMPORARY AND PERMANENT STABILIZATION MEASURES ESTABLISHED IN ACCORDANCE WITH THE PROJECT SWPPP.
2.5. CONSTRUCTION SHALL UTILIZE LOW-PSI CONSTRUCTION EQUIPMENT INCLUDING BUT NOT LIMITED TO:
2.5.1. WIDE TRACKED PILE DRIVERS

- 2.5.2. RUBBER-TIRED TELEHANDLERS
2.5.3. TRACKED SKID STEERS
2.6. CONSTRUCTION OF ACCESS ROADS, STEEL PILES, RACKING, EQUIPMENT PADS, AND PV MODULES SHALL BE CONDUCTED USING THE MINIMUM NUMBER OF TRIPS POSSIBLE.
2.7. CONSTRUCTION OF MAJOR SITE FEATURES SHOULD OCCUR DURING PERIODS OF TIME WHEN ANTECEDENT 24-HOUR RAINFALLS DO NOT PRODUCE SOILS WITH HIGH MOISTURE CONTENT.
2.8. SEE PROJECT SITE AND EROSION CONTROL DETAILS ON SHEET C-300.

SITE MAINTENANCE NOTES:

- 1. CONTRACTOR SHALL MAINTAIN DEDICATED LAYDOWN AREAS AND RESTRICT VEHICULAR ACCESS TO PRE-DETERMINED AREAS.
1.1. UPON COMPLETION OF CONSTRUCTION, ALL GRAVEL USED FOR LAYDOWN AREA SHALL BE REMOVED, TOPSOIL RESPREAD AND SCARIFIED TO A MINIM OF 12" AND SEEDED.
2. AS CALLED OUT IN THE SWPPP DOCUMENT, CONTRACTOR SHALL MAINTAIN PROPOSED BMPs THROUGH OUT THE CONSTRUCTION LIFE OF THE PROJECT.
3. SITE VEGETATION INCLUDING TEMPORARY STABILIZATION VEGETATION AND RESIDUAL CROP VEGETATION SHALL BE KEPT TO A MAXIMUM HEIGHT OF 6" DURING CONSTRUCTION.
4. CONTRACTOR SHALL CLEAN UP GENERAL GARBAGE AND DEBRIS

PLANTING NOTES:

- 1. ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFF-SITE.
2. THE SITE SHALL BE PRE-SEEDED WITH TEMPORARY COVER CROP PRIOR TO CONSTRUCTION PER DNR TECHNICAL STANDARD 1059.
3. PLANTING SEED SHALL BE SOWN IN SEASONAL CONDITIONS AS APPROPRIATE FOR PROPER SEED GERMINATION.
4. PROTECT NEWLY SEEDED AREAS FROM TRAFFIC AND EROSION. KEEP AREAS FREE OF TRASH AND DEBRIS RESULTING FROM LANDSCAPE WORK.
5. REPAIR AND RE-ESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS TO THE SPECIFIED GRADE AND TOLERANCES.
6. PRIOR TO SEEDING, COMPACTED AREAS OR AREAS RECEIVING REGULAR CONSTRUCTION VEHICLE TRAFFIC SHALL BE PREPARED TO LOOSEN SOILS BY TILLING OR RIPPING A MINIMUM OF 12"
7. SEED MIXTURES WILL BE APPLIED USING A SEED DRILL DESIGNED FOR SEEDING, OR OTHER METHOD OF SEEDING DESIGNED TO MINIMIZE DISTURBANCE TO THE EXISTING VEGETATION TO PROVIDE PROPER CONTACT AND DEPTH OF PLACEMENT.
8. THE CONTRACTOR SHALL SUPPLY ALL LABOR, APPROVED SEEDING MIX AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE SEEDING TABLE(S). IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE SEEDING TABLE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY.
9. SEE RESTORATION PLAN SHEET R-100 FOR PROPOSED SEED MIX.
10. FINAL SEED MIXTURE(S) FOR USE ON SITE SHALL BE APPROVED BY OWNER.
11. FOLLOW APPLICATION RATES SPECIFIED BY SEED MIX PROVIDER OR DNR SPECIFICATION.
12. VEGETATION WITHIN THE SOLAR ARRAY FOOTPRINT SHALL BE MOWED AS OFTEN AS NEEDED TO KEEP THE VEGETATION AT MAXIMUM HEIGHT OF NO MORE THAN TWO (2) FEET TALL TO PREVENT SHADING FROM OCCURRING. VEGETATION SHOWN IN AREAS AROUND THE PERIPHERY OF THE SOLAR ARRAY FIELD SHALL BE ALLOWED TO GROW TO NATURALLY OCCURRING HEIGHTS WHENEVER POSSIBLE.

VEGETATION ESTABLISHMENT NOTES:

- 1. SITE PREPARATION AND FIELD CONDITIONS
1.1. IN AREAS THAT DO NOT HAVE CLEARING AND GRUBBING, PROPOSED GRADING, OR WETLANDS, THE PROJECT AREA WILL BE PREPPED WITH A DISK/FINISHER IN ORDER TO ALLEVIATE RUTS AND PROVIDE A SMOOTH, SEEDABLE SURFACE.
1.2. PROJECT AREA NOT SHOWN TO BE GRADED IS INTENDED TO REMAIN UNDISTURBED DURING CONSTRUCTION. LIMITS OF RESTORATION SHOWN REPRESENT ANTICIPATED DISTURBANCE, BUT SHALL BE MODIFIED AS NECESSARY TO RESTORE VEGETATION TO ALL DISTURBED PORTIONS OF THE SITE.
2. PERMANENT SEEDING
2.1. AT THE COMPLETION OF EARTH DISTURBING ACTIVITIES, ALL DISTURBED PORTIONS OF THE PROJECT SHALL BE PERMANENTLY SEEDED.
2.2. PERMANENT SEED WILL BE CONSIDERED ESTABLISHED WHEN A WEED FREE GROUND COVERAGE OF 70% IS ACHIEVED. CONTRACTOR IS RESPONSIBLE FOR CONTINUOUS MAINTENANCE, REPAIR, AND REPLANTING OF VEGETATION THAT IS DAMAGED THROUGHOUT THE CONSTRUCTION PROCESS. LIMITS OF SEEDING SHOWN REPRESENT ANTICIPATED DISTURBED OR EXPOSED AREAS. CONTRACTOR IS TO UPDATE SEEDING AREA TO MATCH ACTUAL SITE DISTURBANCE AS NECESSARY.
2.3. ACCEPTABLE SEEDING DATES FOR NATIVE SPECIES ARE IN THE SPRING OR SUMMER BEFORE AUGUST 10TH OR IN THE FALL AFTER A WINTER WHEAT COVER CROP HAS ESTABLISHED.
2.4. ALL WILDFLOWER SEED WILL BE APPLIED BY BROADCASTING.

Table with 4 columns: QUANTITIES, PAY ITEM, QUANTITY, UNIT, DESCRIPTION. Includes items like SWPPP MANAGEMENT, EROSION CONTROL, ACCESS ROADS, AGGREGATE - ROADS, etc.



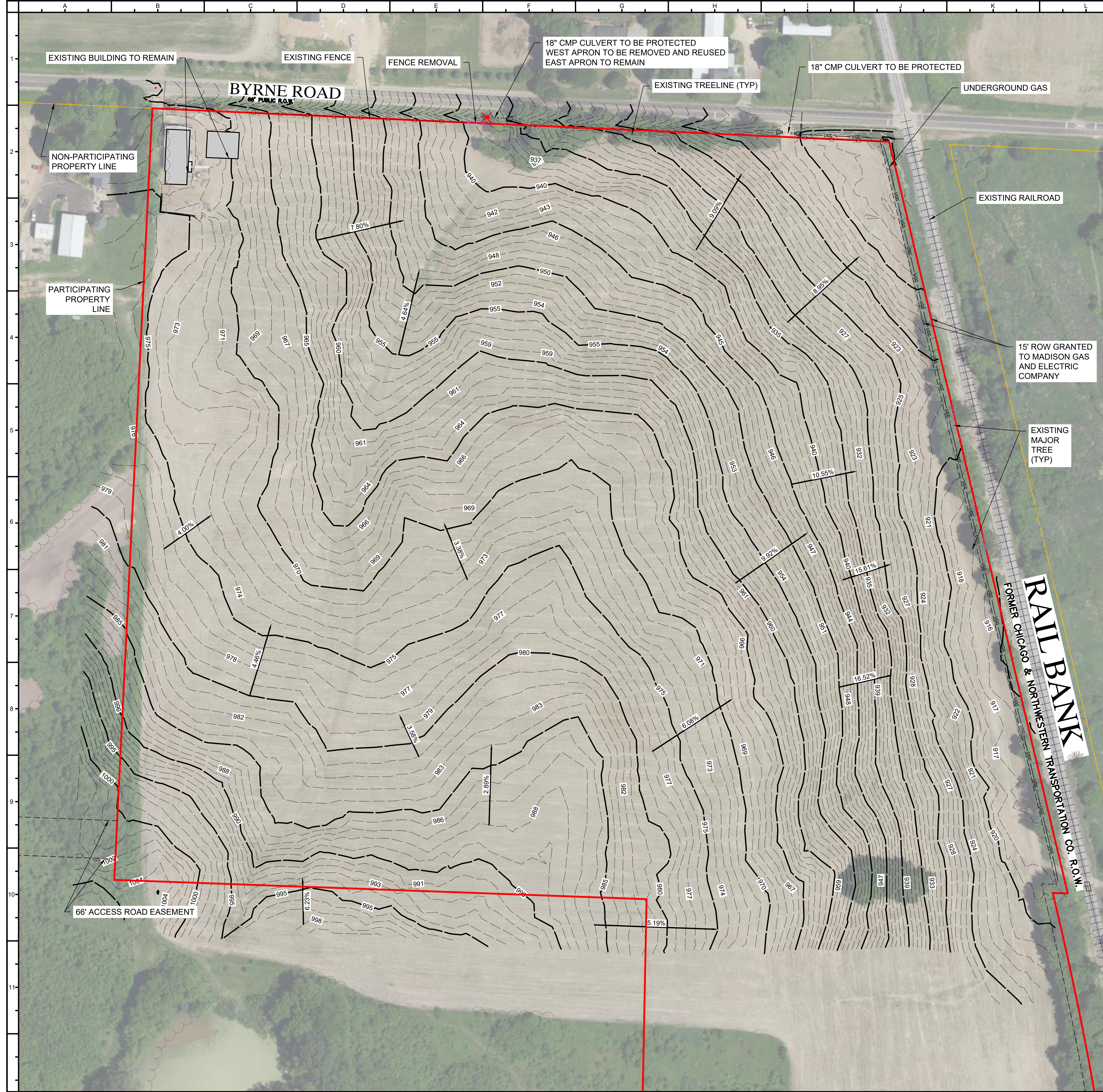
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STRIX SOLAR ONEENERGY RENEWABLES BYRNE ROAD FITCHBURG, WI 53875 42.971015, -89.394617

PRELIMINARY NOT FOR CONSTRUCTION

REVISION LOG table with columns: REV, DESCRIPTION, DATE, BY, CK'D, SME, WW, CO. Includes entries for 30% CIVIL PLANS, 60% CIVIL PLANS, 90% CIVIL PLANS.

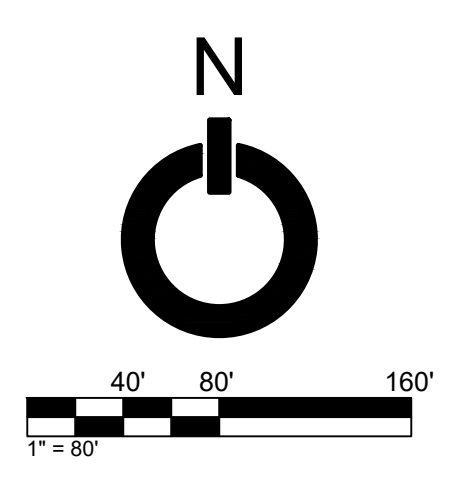
SHEET TITLE: CIVIL GENERAL NOTES SHEET NO: C-001 PUBLISHED ON: 10/24/2023 2:34 PM



- EXISTING FEATURES LEGEND:**
- PARTICIPATING PROPERTY LINE
 - NON-PARTICIPATING PROPERTY LINE
 - EXISTING FENCE
 - EXISTING UNDERGROUND GAS
 - EXISTING TREE LINE
 - EXISTING MAJOR TREE
 - EASEMENT
 - EXISTING RAILROAD
 - EXISTING ROAD EDGE
 - EXISTING CULVERTS

- SURFACE FEATURES LEGEND:**
- 750 EXISTING MAJOR CONTOUR
 - 751 EXISTING MINOR CONTOUR

- REMOVALS LEGEND:**
- FENCE REMOVAL



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**STRIX SOLAR
ONEENERGY RENEWABLES**

BYRNE ROAD
FITCHBURG, WI 53875
42.971615, -89.394617

PRELIMINARY

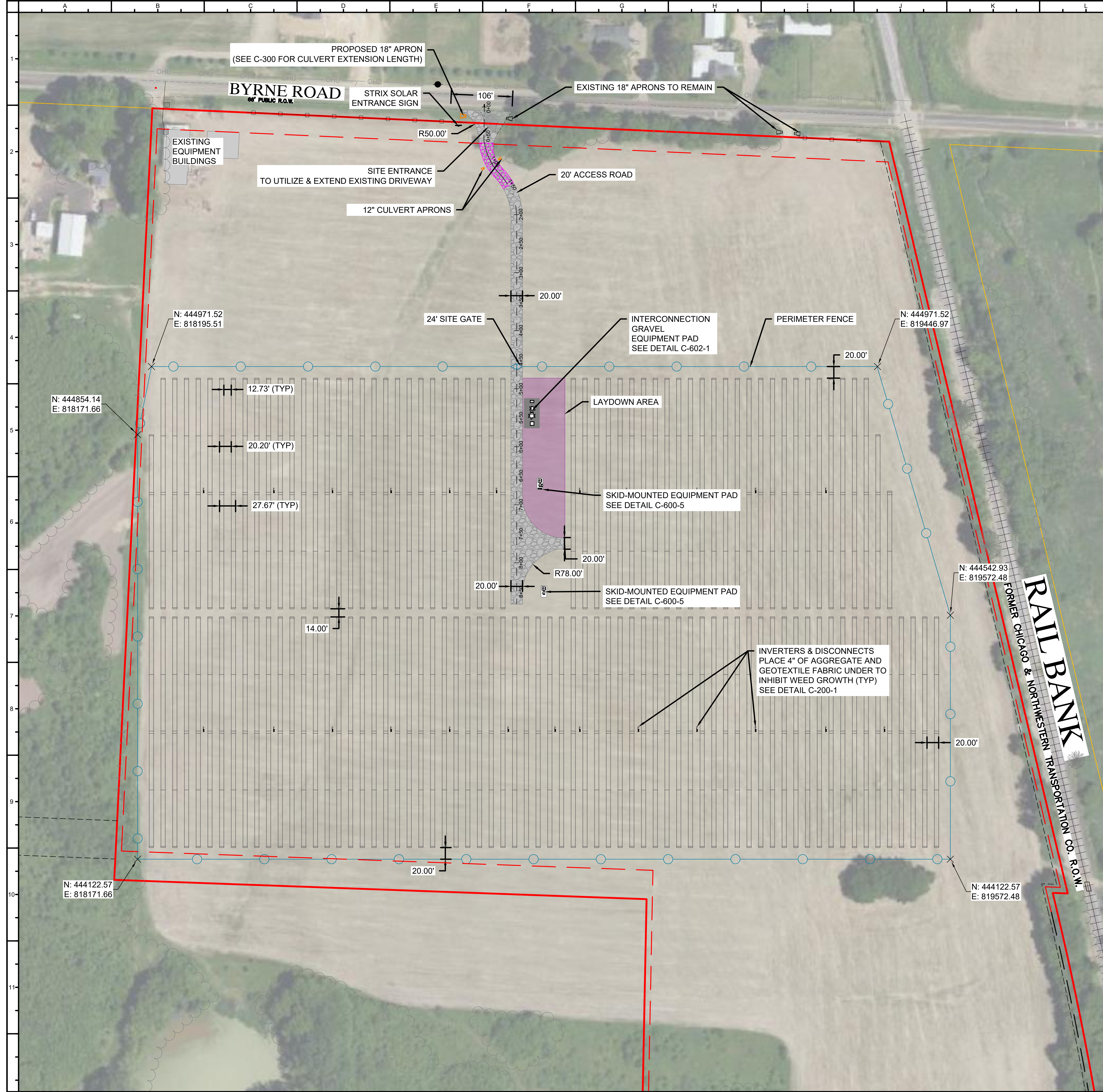
NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE	BY	CKD	SME
A	30% CIVIL PLANS	08.04.2023	EV	WW	CO
B	60% CIVIL PLANS	08.14.2023	EV	WW	CO
C	90% CIVIL PLANS	10.05.2023	WW	CO	CO
D	90% REV 1 CIVIL PLANS	10.24.2023	WW	CO	CO
D					

SHEET TITLE:
**EXISTING
CONDITIONS
PLAN**

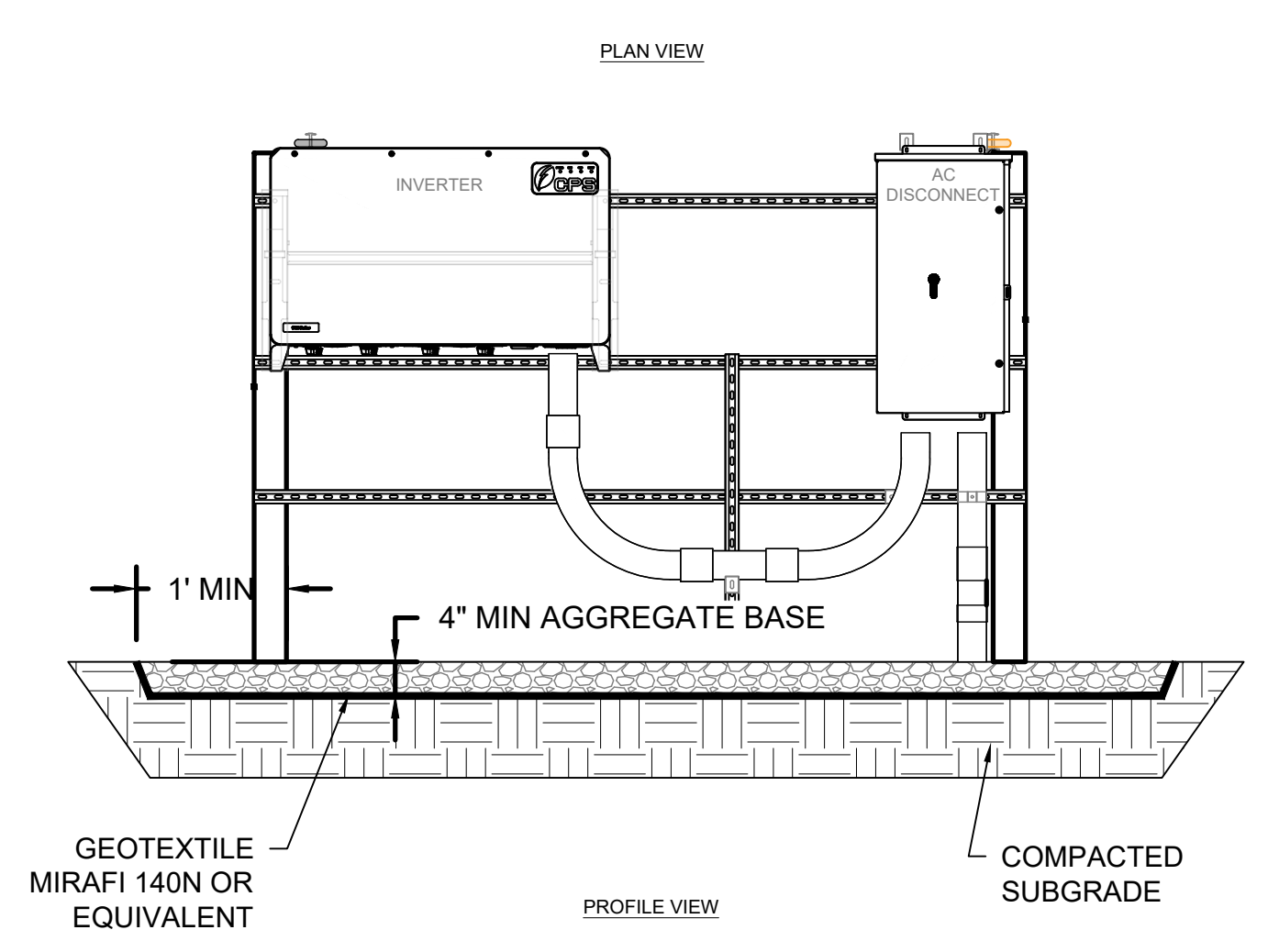
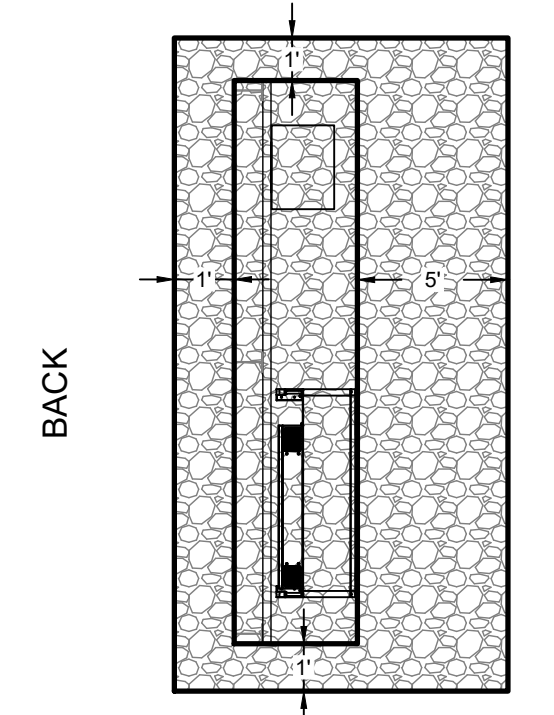
SHEET NO:
C-100

PUBLISHED ON: 10.24.2023 2:34 PM



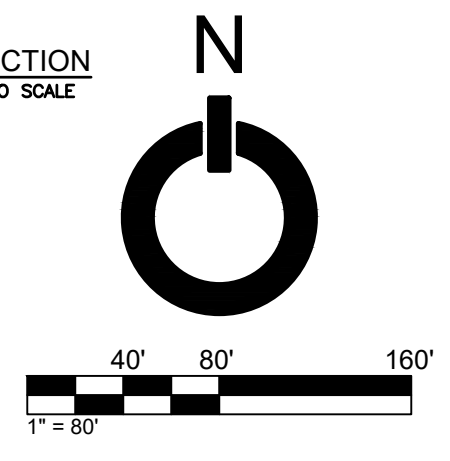
- EXISTING FEATURES LEGEND:**
- PARTICIPATING PROPERTY LINE
 - NON-PARTICIPATING PROPERTY LINE
 - EXISTING FENCE
 - UGG EXISTING UNDERGROUND GAS
 - EXISTING TREE LINE
 - ☼ EXISTING MAJOR TREE
 - - - EASEMENT
 - ||||| EXISTING RAILROAD
 - - - EXISTING ROAD EDGE
 - - - EXISTING CULVERTS

- PROPOSED FEATURES LEGEND:**
- PERIMETER FENCE
 - ▭ LAY DOWN YARD
 - ▭ PROPOSED ACCESS ROAD
 - OHU PROPOSED OVERHEAD POWER LINE
 - PROPOSED POWER POLE
 - - - BUILDING SETBACK LINE
 - ☼ PROPOSED VEGETATED SCREENING (BY OTHERS)
 - ▭ LOW WATER CROSSING (SEE DETAIL C-600-6)
 - ▭ METAL APRON
 - - - CULVERT EXTENSION
 - - - LEASE BOUNDARY (NOT ESTABLISHED AT THIS TIME)



- NOTE:**
1. GEOTEXTILE FABRIC AND 4" OF AGGREGATE TO BE ADDED UNDER INVERTERS AND DISCONNECT AREAS.
 2. EXTEND AGGREGATE AND FABRIC MINIMUM 1' PAST EQUIPMENT ON BACK AND SIDES, 5' PAST ON FRONT.
 3. ELECTRICAL EQUIPMENT FOR INFORMATION ONLY. NOT FOR DESIGN LAYOUT.

C-200-1 | ELEVATED ELECTRICAL EQUIPMENT AGGREGATE BASE SECTION
NOT TO SCALE



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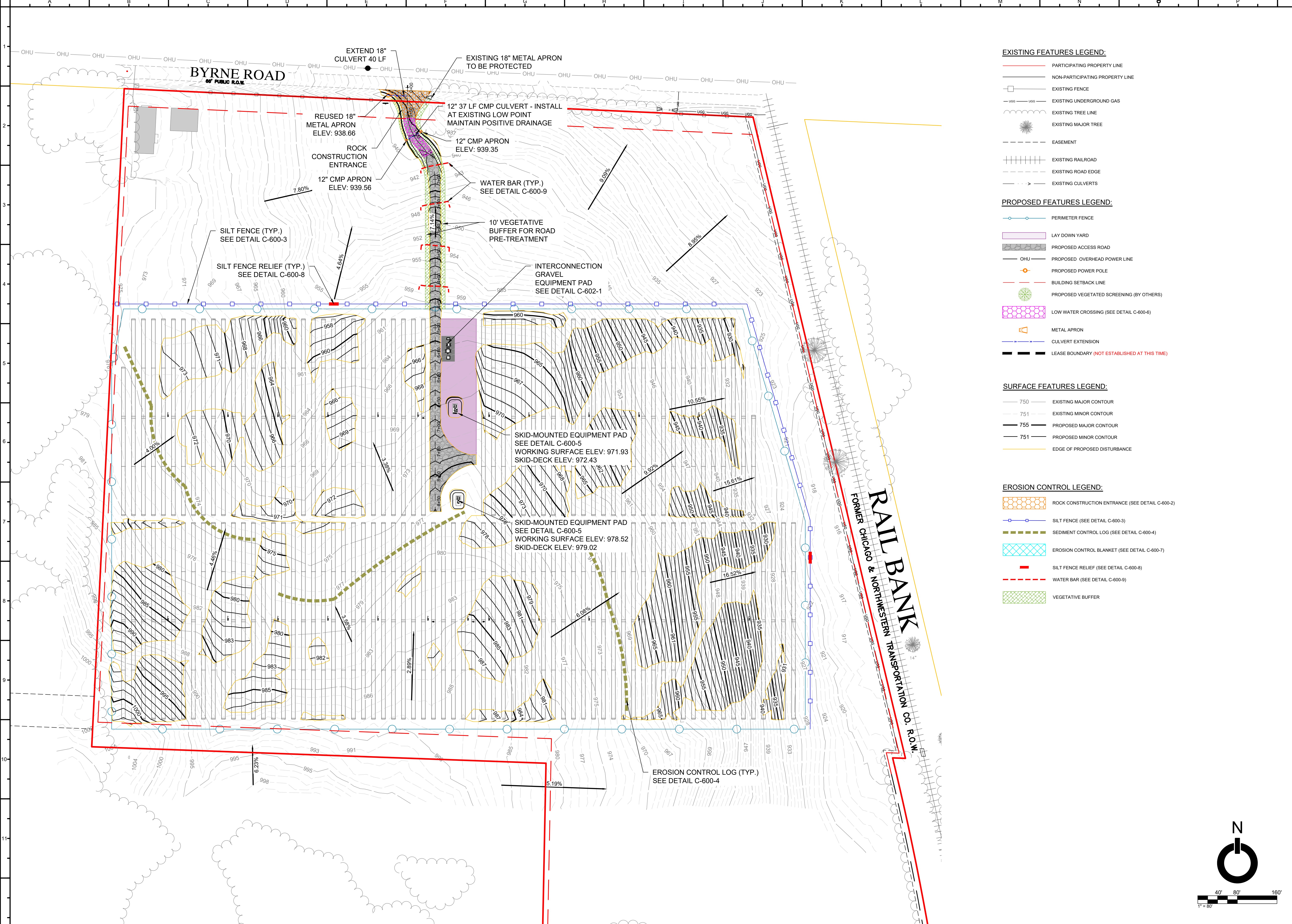
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42.971615, -89.396161

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REV	DESCRIPTION	DATE	BY	CK'D	SME
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C	90% CIVIL PLANS	10.05.2023	WW	CO	CO
D	90% REV 1 CIVIL PLANS	10.24.2023	WW	CO	CO
D					

SHEET TITLE:
CIVIL SITE PLAN

SHEET NO:
C-200



EXISTING FEATURES LEGEND:

- PARTICIPATING PROPERTY LINE
- NON-PARTICIPATING PROPERTY LINE
- EXISTING FENCE
- EXISTING UNDERGROUND GAS
- EXISTING TREE LINE
- EXISTING MAJOR TREE
- EASEMENT
- EXISTING RAILROAD
- EXISTING ROAD EDGE
- EXISTING CULVERTS

PROPOSED FEATURES LEGEND:

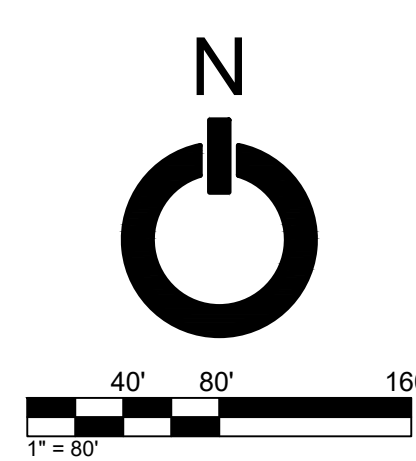

- PERIMETER FENCE
- LAY DOWN YARD
- PROPOSED ACCESS ROAD
- OHU — PROPOSED OVERHEAD POWER LINE
- PROPOSED POWER POLE
- BUILDING SETBACK LINE
- PROPOSED VEGETATED SCREENING (BY OTHERS)
- LOW WATER CROSSING (SEE DETAIL C-600-6)
- METAL APRON
- CULVERT EXTENSION
- LEASE BOUNDARY (NOT ESTABLISHED AT THIS TIME)

SURFACE FEATURES LEGEND:

- 750 — EXISTING MAJOR CONTOUR
- 751 — EXISTING MINOR CONTOUR
- 755 — PROPOSED MAJOR CONTOUR
- 751 — PROPOSED MINOR CONTOUR
- EDGE OF PROPOSED DISTURBANCE

EROSION CONTROL LEGEND:

- ROCK CONSTRUCTION ENTRANCE (SEE DETAIL C-600-2)
- SILT FENCE (SEE DETAIL C-600-3)
- SEDIMENT CONTROL LOG (SEE DETAIL C-600-4)
- EROSION CONTROL BLANKET (SEE DETAIL C-600-7)
- SILT FENCE RELIEF (SEE DETAIL C-600-8)
- WATER BAR (SEE DETAIL C-600-9)
- VEGETATIVE BUFFER

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D	90% REV 1 CIVIL PLANS	10.24.2023	WW	CO	CO

SHEET TITLE:
**GRADING &
EROSION
CONTROL PLAN**

SHEET NO:
C-300



EXISTING FEATURES LEGEND:

- PARTICIPATING PROPERTY LINE
- NON-PARTICIPATING PROPERTY LINE
- EXISTING FENCE
- EXISTING UNDERGROUND GAS
- EXISTING TREE LINE
- EXISTING MAJOR TREE
- EASEMENT
- EXISTING RAILROAD
- EXISTING ROAD EDGE
- EXISTING CULVERTS

PROPOSED FEATURES LEGEND:

- PERIMETER FENCE
- LAY DOWN YARD
- PROPOSED ACCESS ROAD
- PROPOSED OVERHEAD POWER LINE
- PROPOSED POWER POLE
- BUILDING SETBACK LINE
- PROPOSED VEGETATED SCREENING (BY OTHERS)
- LOW WATER CROSSING (SEE DETAIL C-600-6)
- METAL APRON
- CULVERT EXTENSION
- LEASE BOUNDARY (NOT ESTABLISHED AT THIS TIME)

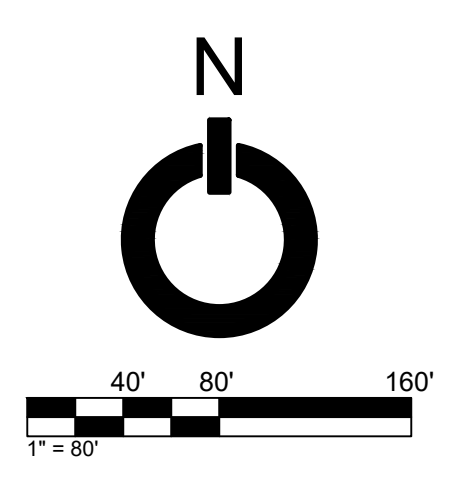
SURFACE FEATURES LEGEND:

- 750 EXISTING MAJOR CONTOUR
- 751 EXISTING MINOR CONTOUR
- 755 PROPOSED MAJOR CONTOUR
- 751 PROPOSED MINOR CONTOUR
- EDGE OF PROPOSED DISTURBANCE
- CUT/FILL RELATIVE DEPTH

Volume of Grading at Each Interval of Cut/Fill				
Number	Minimum Elevation	Maximum Elevation	Graded Volume (CY)	Color
1	-2.000	-1.000	198	
2	-1.000	0.000	3815	
3	0.000	1.000	2887	
4	1.000	2.000	711	
5	2.000	3.000	281	
6	3.000	4.000	71	
7	4.000	5.000	1	

SITE GRADING				
ROAD TOPSOIL HOLD DOWN (CY)	DISTURBED AREA (SF)	CUT (CY)	FILL (CY)	NET (CY)
693	373,570	4012	3950	62

2' PILE REVEAL TOLERANCE



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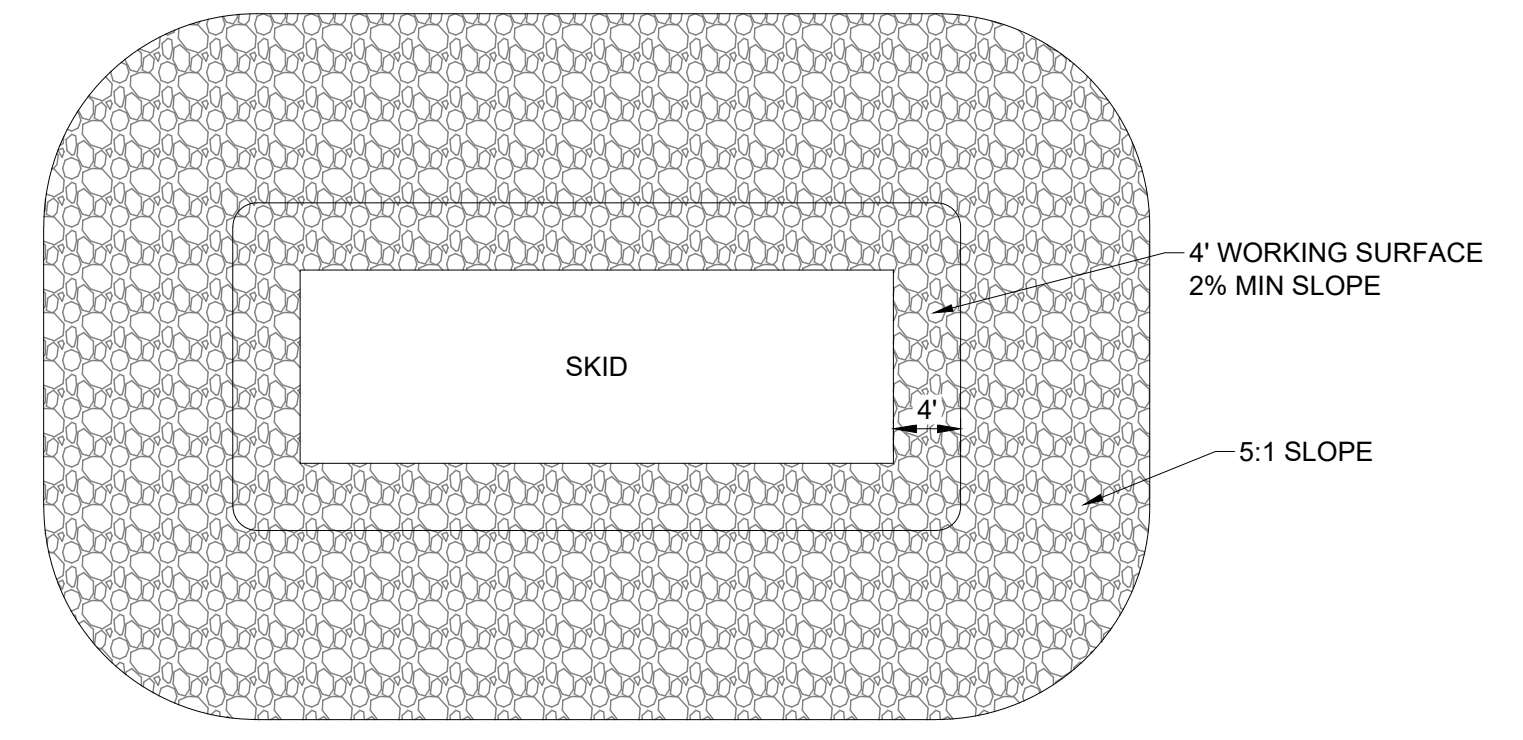
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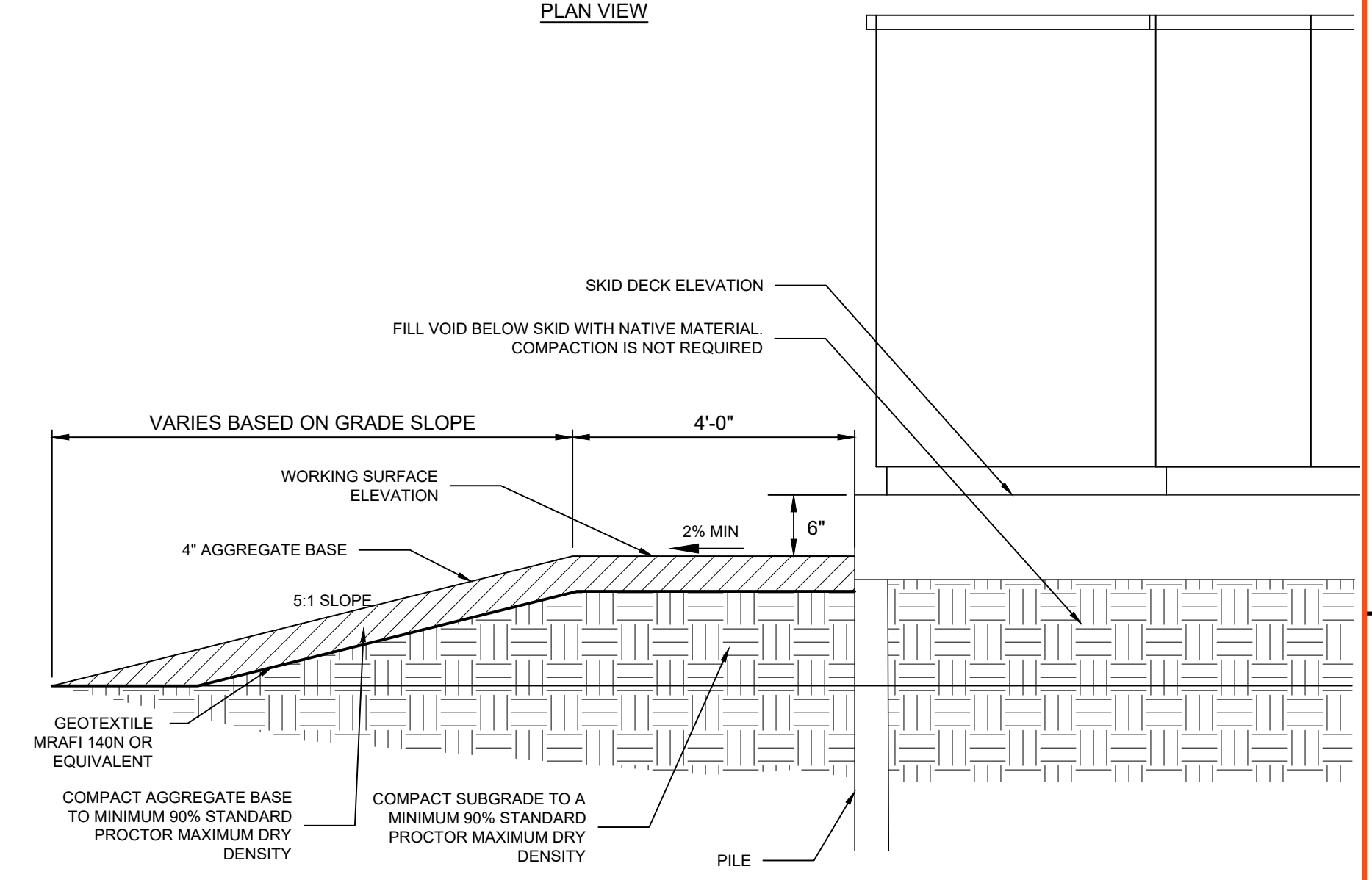
SHEET TITLE:

CIVIL DETAILS

SHEET NO:
C-600

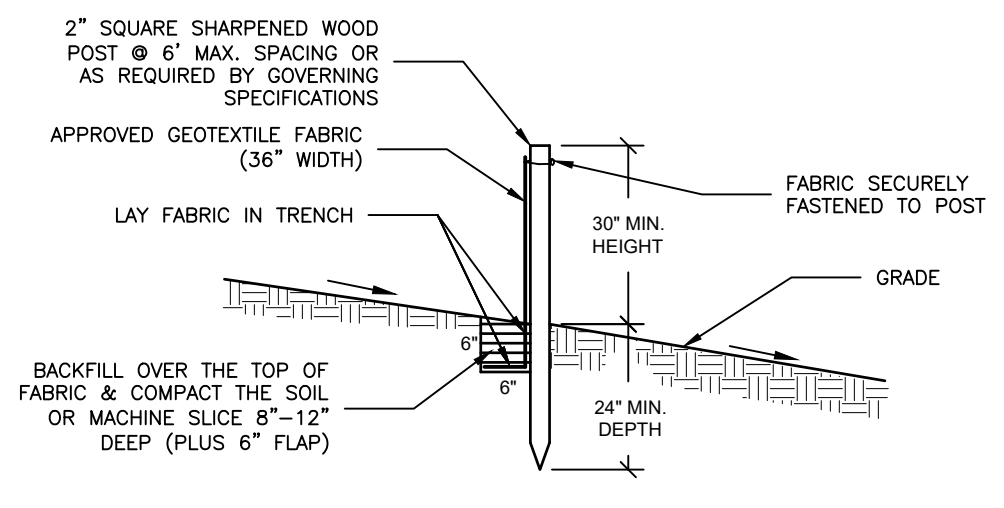


PLAN VIEW



SECTION VIEW

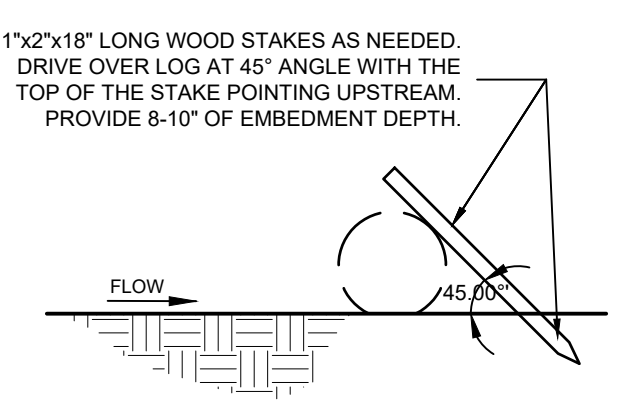
C-600-5 | SKID-MOUNTED EQUIPMENT PAD
NOT TO SCALE



NOTES:

1. POST SPACING SHALL NOT EXCEED 6 FEET.
2. POST TO BE ON LOWER SIDE OF SLOPE (TOWARD PROPERTY BOUNDARY OR POND SIDE) AND FENCE UPSTREAM.
3. GEOTEXTILE FABRIC SHALL BE "MIRAFI" TYPE OR APPROVED EQUAL.
4. TRENCH SHALL BE A MIN. OF 6 INCHES DEEP BY 6 INCHES WIDE.
5. MACHINE SLICED METHOD IS ACCEPTABLE.
6. SEE EROSION CONTROL PLAN OR SWPPP FOR REPAIR AND MAINTENANCE.

C-600-3 | SILT FENCE
NOT TO SCALE

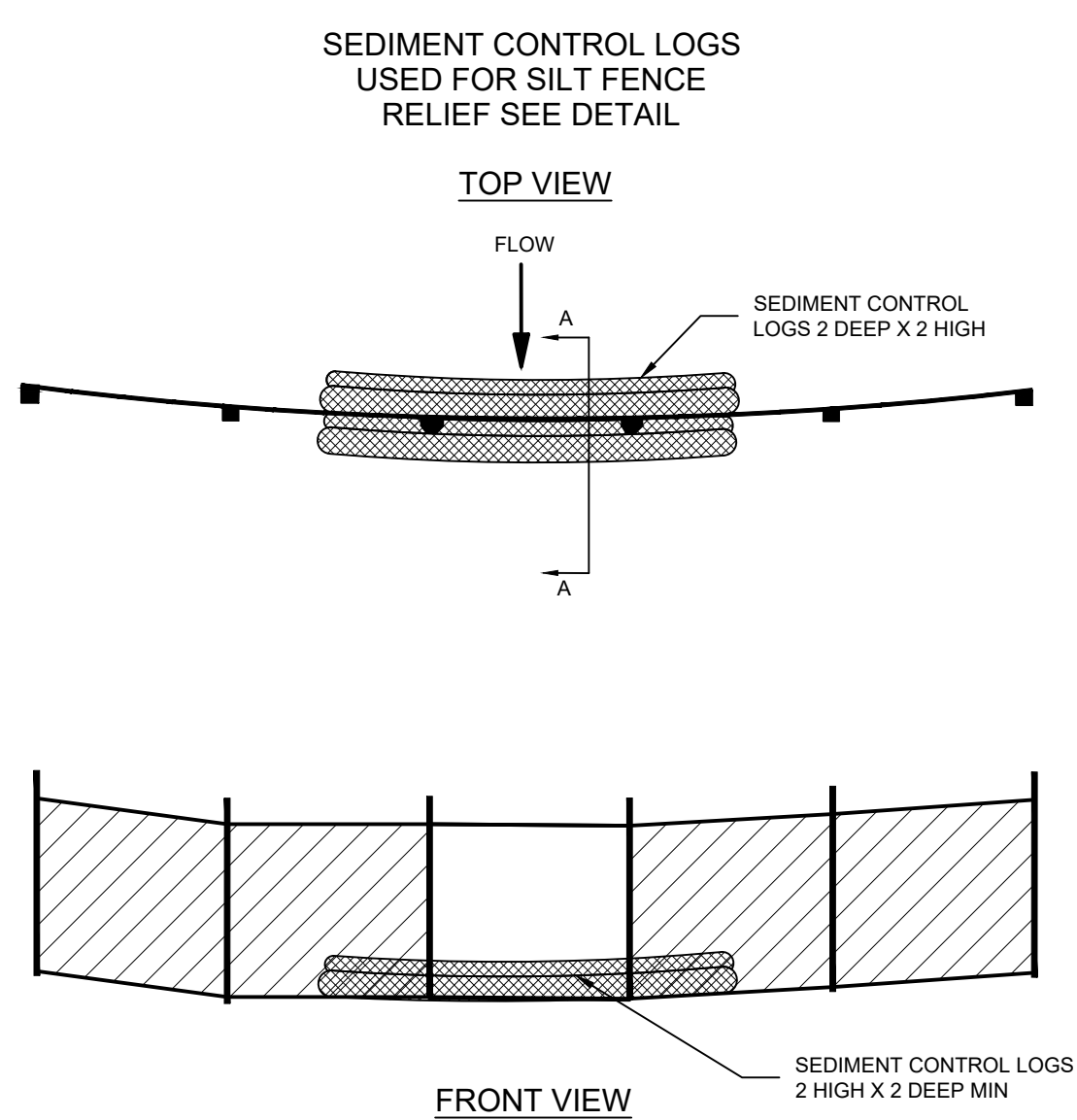


DETAIL FOR TYPES: WOOD CHIP, COMPOST OR ROCK
MAY BE USED ON HARD SURFACES. NO STAKES IF SHOWN ON HARD SURFACES

NOTES:

1. SPACE BETWEEN STAKES SHALL BE A MAXIMUM OF 5 FEET FOR DITCH CHECKS OR 15 FEET FOR OTHER APPLICATIONS.
2. PLACE STAKES AS NEEDED TO PREVENT MOVEMENT OF SEDIMENT CONTROL LOGS PLACED ON SLOPES OR AS NEEDED DUE TO OTHER FACTORS. STAKES SHALL BE INCIDENTAL.

C-600-4 | SEDIMENT CONTROL LOG
NOT TO SCALE



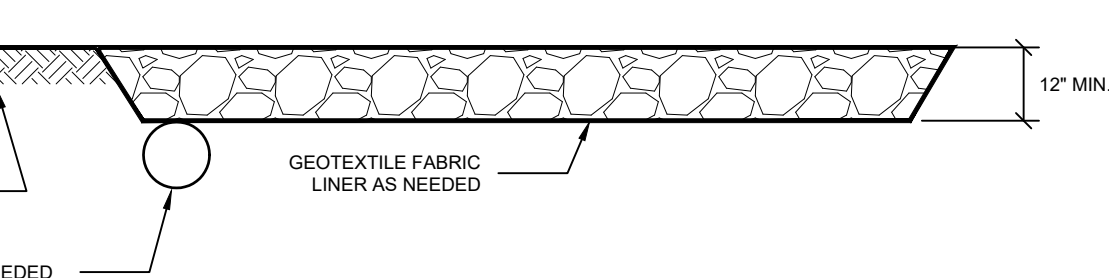
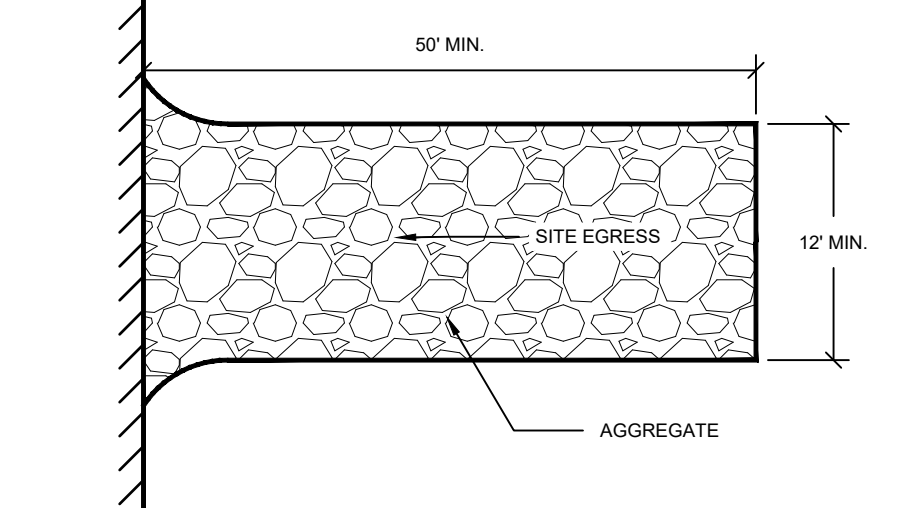
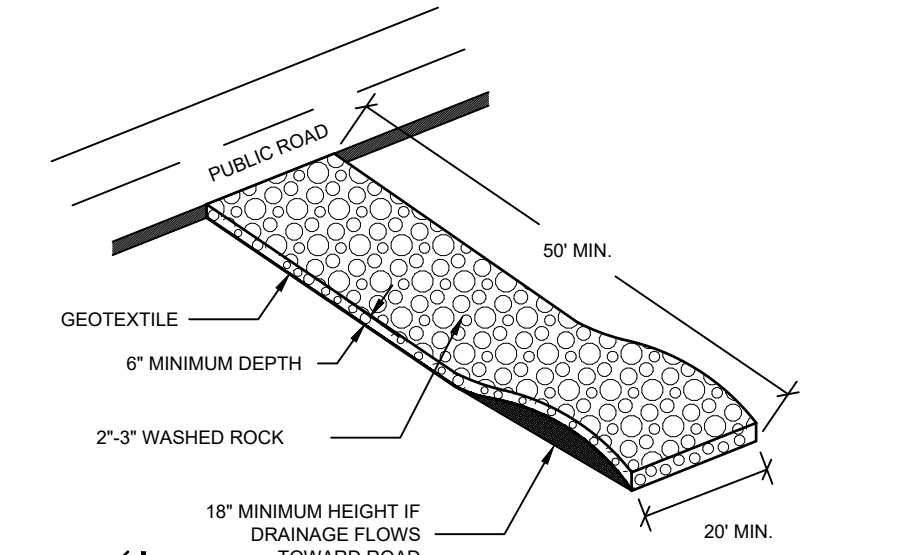
FRONT VIEW

SECTION A-A

NOTES:

1. SEDIMENT CONTROL LOGS USED FOR SILT FENCE RELIEF SHALL BE A MINIMUM OF 6" IN DIAMETER.
2. OPENING IN SILT FENCE TO BE MINIMUM 3" AND SEDIMENT CONTROL LOGS TO OVERLAP SILT FENCE 1.5' ON EITHER SIDE.

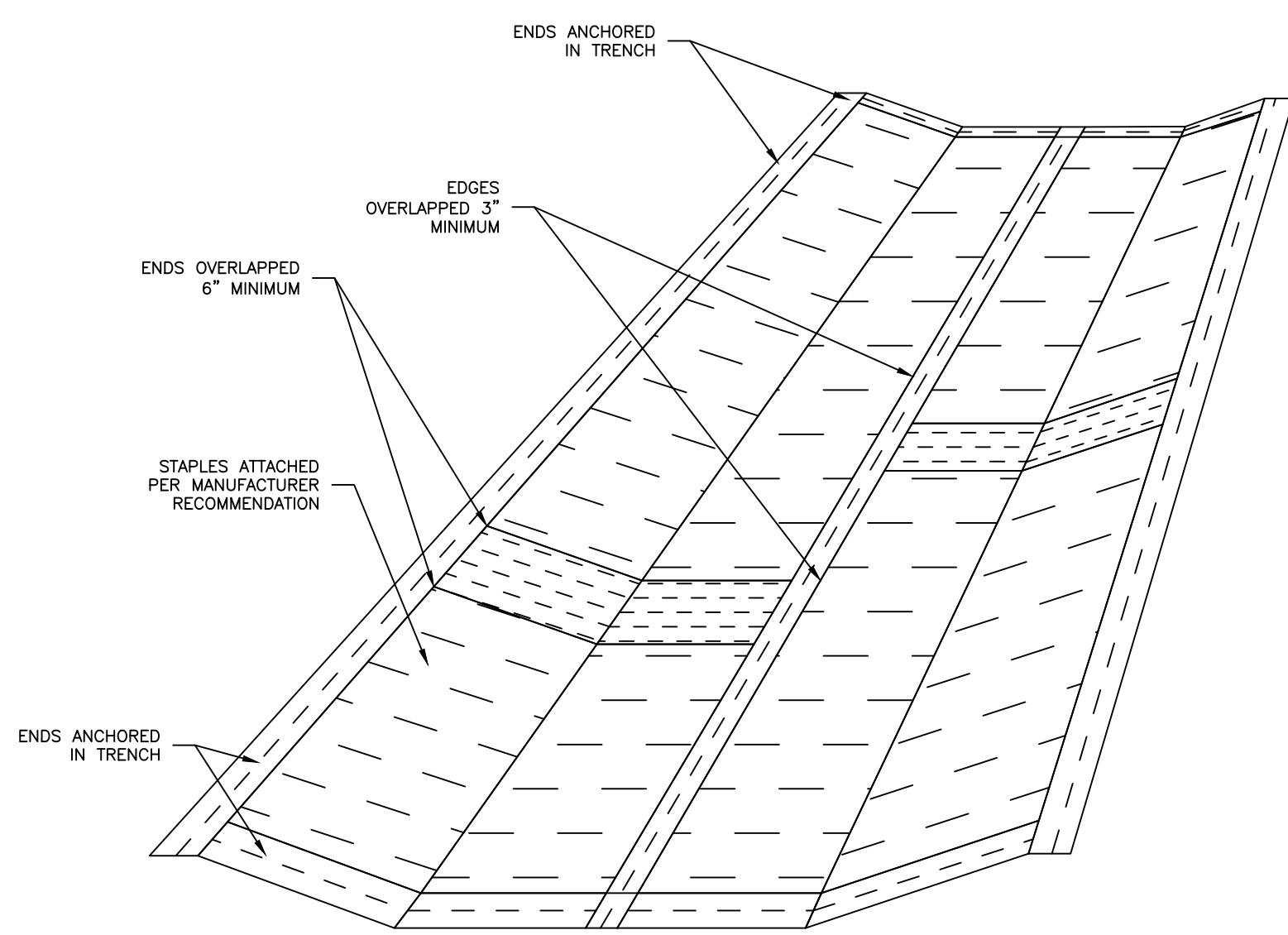
C-600-8 | SILT FENCE RELIEF
NOT TO SCALE



NOTES:

1. USE HARD, DURABLE, ANGULAR STONE OR RECYCLED CONCRETE MEETING THE GRADATION IN TABLE 1 OF WISC. DNR TECHNICAL STANDARD 1057. WHERE THIS GRADATION IS NOT AVAILABLE, MEET THE GRADATION IN WISC. DOT 2018 STANDARD SPEC., SECT. 312, SELECT CRUSHED MATERIAL.
2. SLOPE THE STONE TRACKING PAD IN A MANNER TO DIRECT RUNOFF TO AN APPROVED TREATMENT PRACTICE.
3. SELECT FABRIC TYPE BASED ON SOIL CONDITIONS AND VEHICLE LOADING.
4. INSTALL TRACKING PAD ACROSS FULL WIDTH OF THE ACCESS POINT, OR RESTRICTING EXISTING TRAFFIC TO A DEDICATED EGRESS LANE AT LEAST 12 FEET WIDE ACROSS THE TOP OF THE PAD.
5. IF A 50' PAD LENGTH IS NOT POSSIBLE DUE TO SITE GEOMETRY, INSTALL THE MAXIMUM LENGTH PRACTICABLE AND SUPPLEMENT WITH ADDITIONAL PRACTICES AS NEEDED.

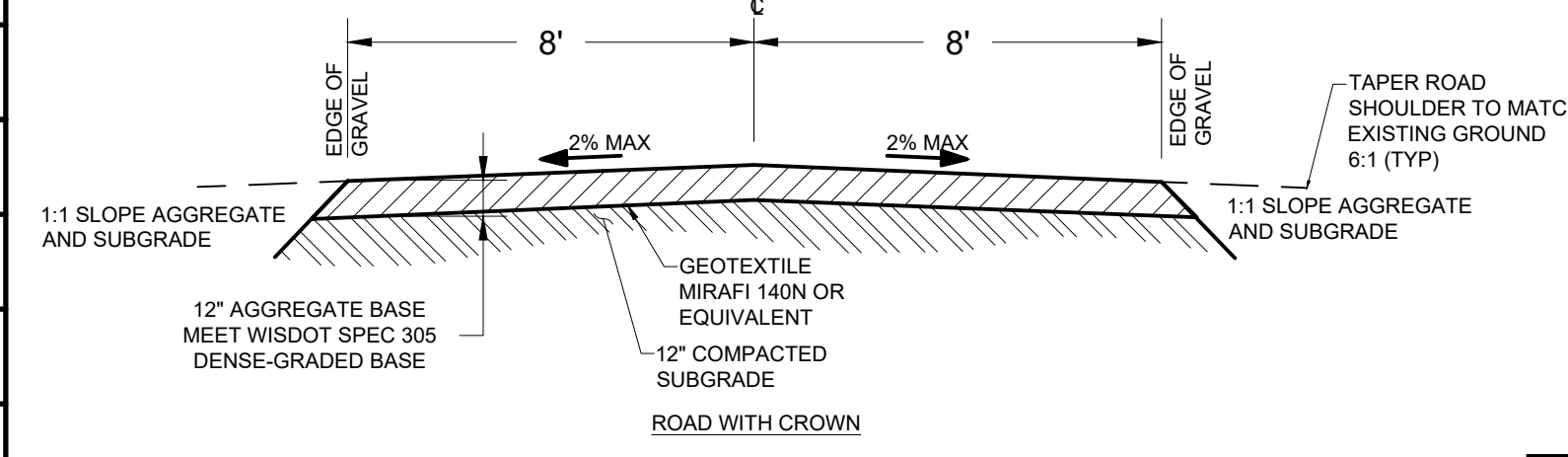
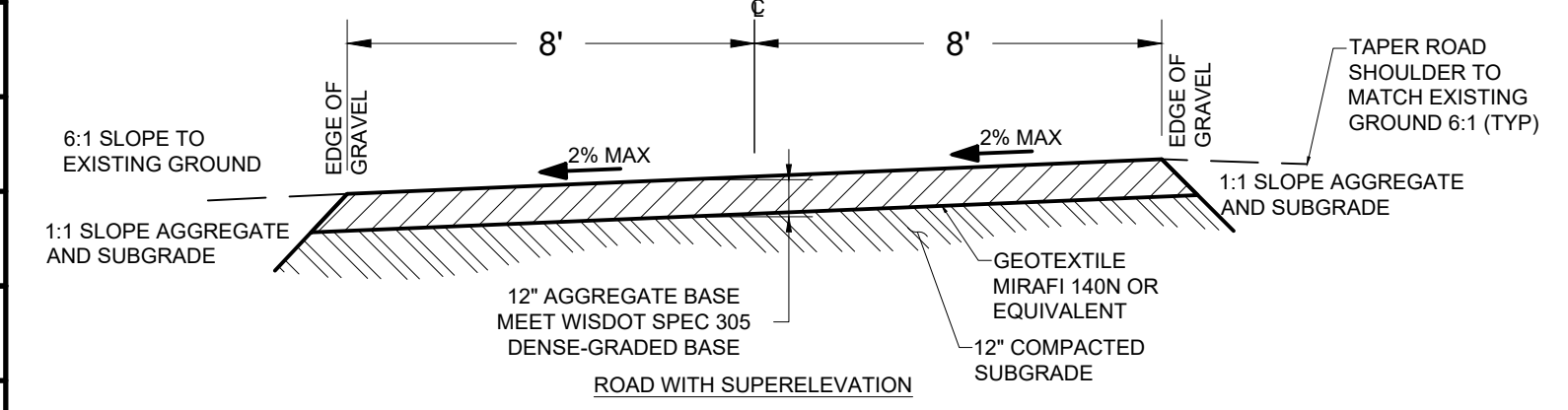
C-600-2 | ROCK CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTES:

1. ENSURE THE ENDS ARE PROPERLY SECURE.
2. INSTALL STAPLES PER MANUFACTURER SPECIFICATION TO HOLD THE BLANKET IN PLACE.
3. OVERLAP THE BLANKET 6" MINIMUM TO ENSURE WATER THAT FLOWS ON TOP OF THE BLANKET AND IS UNABLE TO FLOW UNDER THE BLANKET.

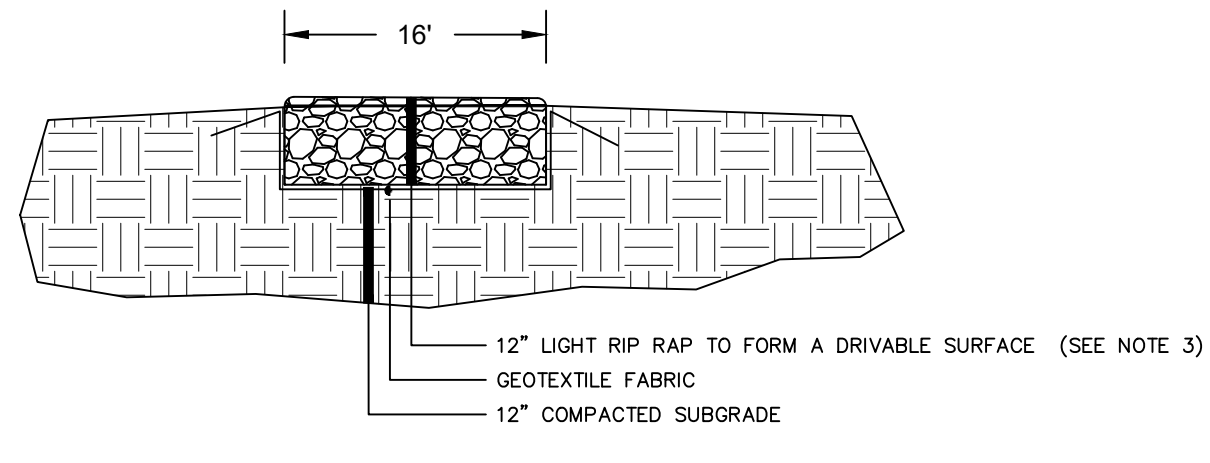
C-600-7 | EROSION CONTROL BLANKET
NOT TO SCALE



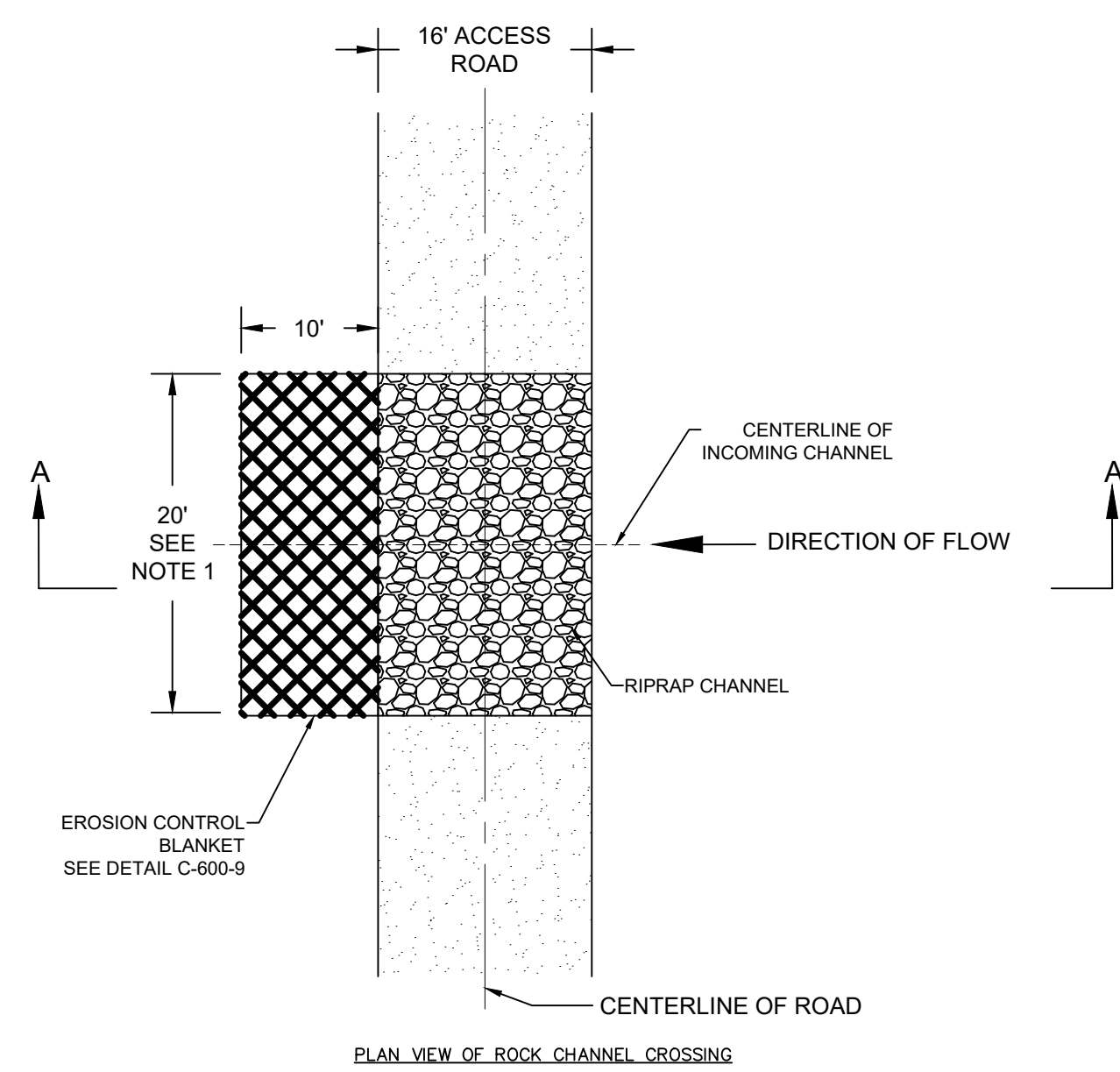
NOTES:

1. IN THE ABSENCE OF A ROADSIDE DITCH, SLOPE FROM EDGE OF GRAVEL TO EXISTING GROUND AT 6:1 WHERE POSSIBLE. NO SLOPES SHALL EXCEED 3:1.
2. 2% CROSS SLOPE IS TYPICAL, BUT CAN BE ADJUSTED FROM 1% TO 4% TO MATCH EXISTING GROUND. SUPERELEVATED ACCESS ROADS ARE DESIGNED TO PROMOTE CONTINUED SHEET DRAINAGE.
3. ROAD GRADES ARE TYPICALLY INTENDED TO MATCH ADJACENT GRADE ALLOWING DRAINAGE TO SHEET ON AND OFF OF ROADS EVENLY. CARE SHOULD BE TAKEN TO FIELD ADJUST ROAD GRADES OR DITCH LOCATIONS AS NECESSARY TO PREVENT RUNOFF FROM CONCENTRATING ALONG ROAD EDGES CAUSING EROSION. SUPPLEMENTARY EROSION CONTROL MEASURES MAY NEED TO BE INSTALLED ADJACENT TO THE ROAD.

C-600-1 | TYPICAL SOLAR ACCESS ROAD
NOT TO SCALE



SECTION A-A

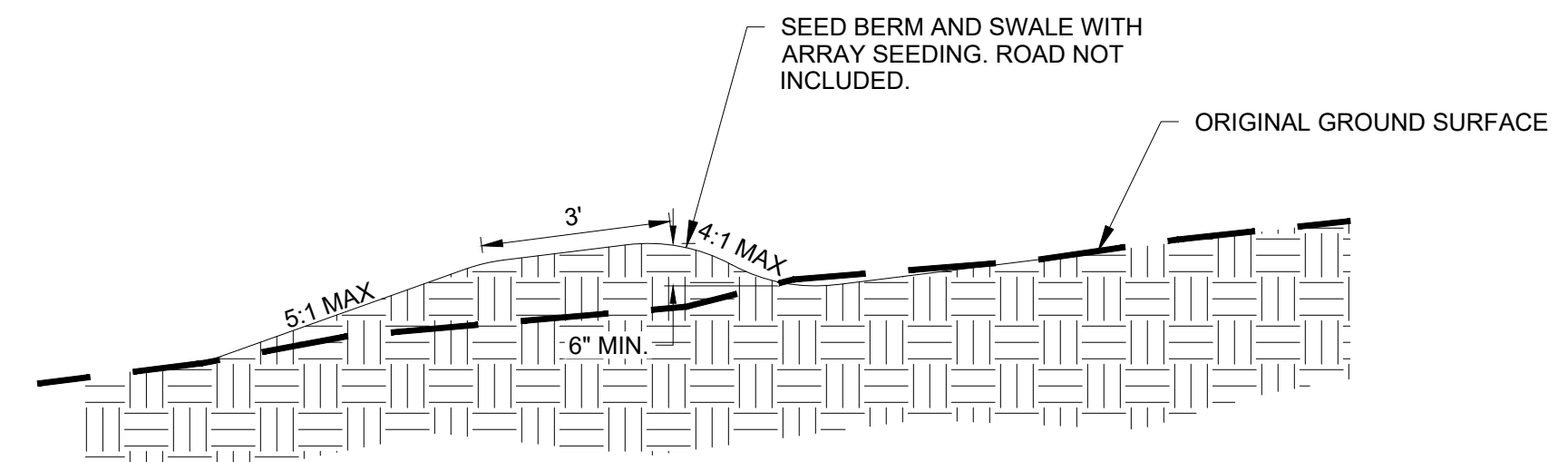


PLAN VIEW OF ROCK CHANNEL CROSSING

NOTES:

1. LOW WATER CROSSING MAY TEMPORARILY BE MODIFIED AS NEEDED DURING CONSTRUCTION TO ALLOW FOR ADEQUATE COMPONENT DELIVERY. RESTORE TO FINAL CONDITIONS UPON FINAL STABILIZATION.
2. ENTRANCE OF THE RIP RAP SECTION SHALL BE INSTALLED TO MATCH ADJACENT GRADES IN A WAY THAT FACILITATES FLOW EFFECTIVELY.
3. RIPRAP THICKNESS MAY BE INCREASED AS NEEDED TO ACHIEVE SUFFICIENT BEARING CAPACITIES FOR ANTICIPATED ROAD USE.

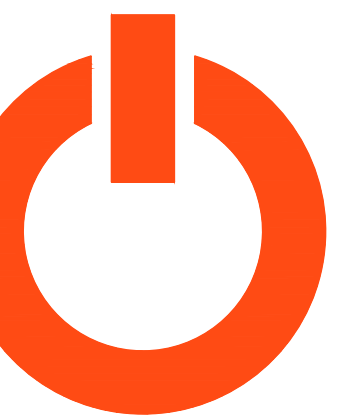
C-600-6 | LOW WATER CROSSING
NOT TO SCALE



NOTES:

1. SEE C-300 FOR WATER BAR LOCATIONS
2. THE USE OF WATER BARS IS TO SLOW WATER AS IT FLOWS DOWNHILL FROM THE SITE AND DOWN THE PROPOSED ACCESS ROAD. WATER SHALL DRAIN AND INFILTRATE TO EITHER SIDE OF THE ROAD.
3. WATER BARS ARE TO BE CONSTRUCTED TO THE LIMITS AS SHOWN AND ARE TO BE PERPENDICULAR TO THE GROUND SLOPE. THE WATER BAR ELEVATION SHALL CONTINUE THROUGH THE ROAD AND PAST THE EDGES OF THE ROAD. BAR LOCATIONS ARE TO BE MODIFIED IF GRADING IS MODIFIED.
4. TERMINATE ENDS BY ROUTING BERM 90 DEGREES UP SLOPE AND USE 10:1 TAPER TO MEET ADJACENT GRADE.
5. BERMS ARE TO REMAIN AS A PERMANENT STORMWATER FEATURE
6. COMPACT FILL TO A MIN. OF 95% STANDARD PROCTOR MAX DENSITY PRIOR TO DRIVING ANY EQUIPMENT OVER WATER BARS.

C-600-9 | WATER BAR
NOT TO SCALE



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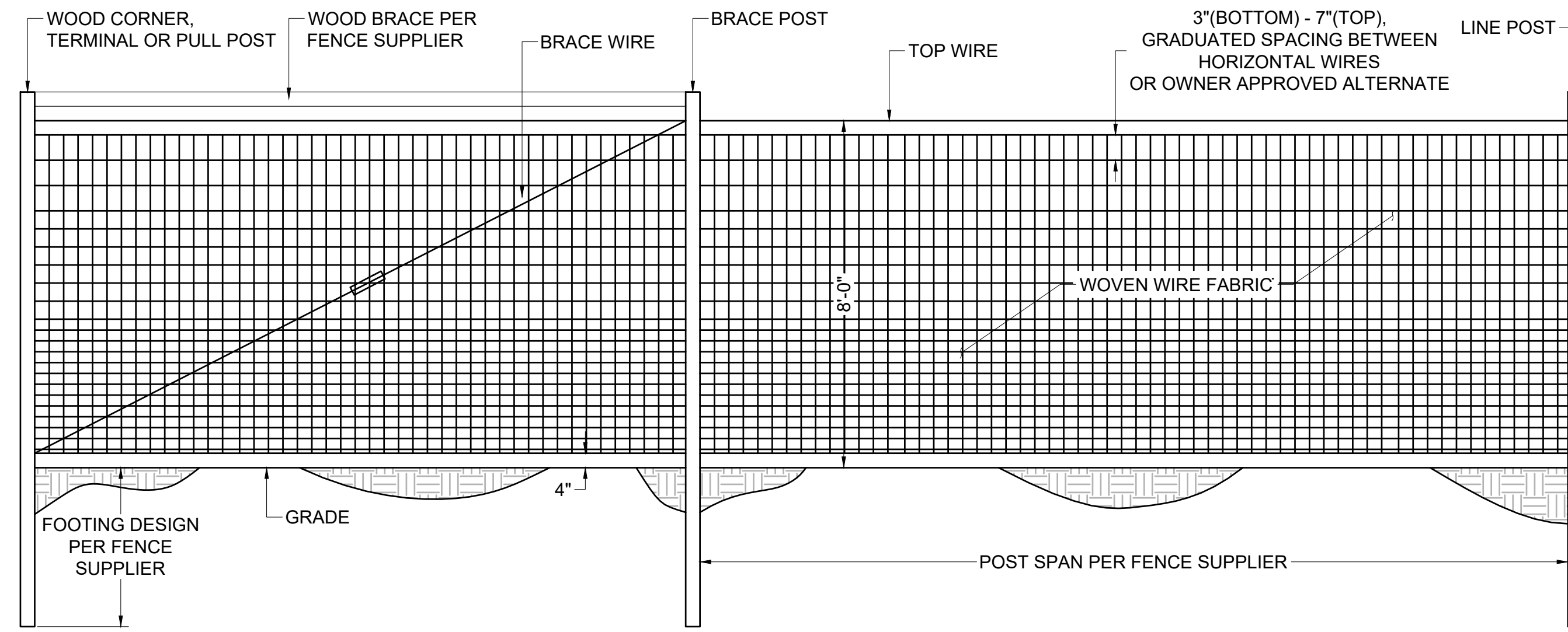


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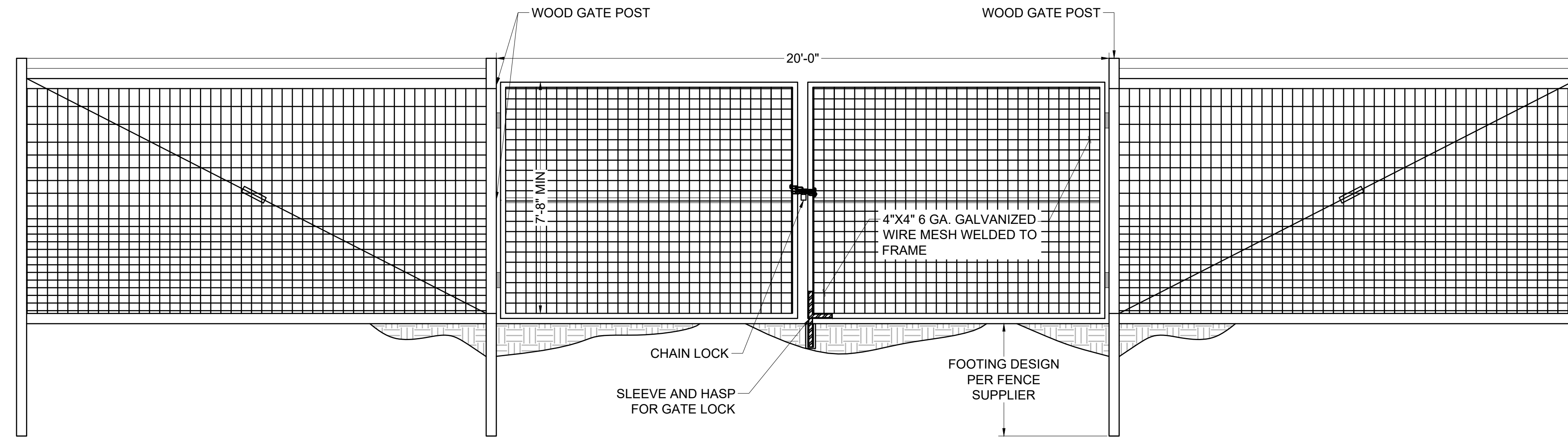
BYRNE ROAD
FITCHBURG, WI 53575
42.971615, -89.394617

PRELIMINARY
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NOTES:
1. CONTRACTOR TO SUBMIT FENCE SHOP DRAWINGS FOR APPROVAL

C-601-1 | 8' TALL GAME FENCE
NOT TO SCALE



C-601-2 | 20' WIDE SWING GATE
NOT TO SCALE

REV	DESCRIPTION	DATE	BY	CKD	SME
A	30% CIVIL PLANS	08.04.2023	EV	WW	CO
B	60% CIVIL PLANS	08.14.2023	EV	WW	CO
C	90% CIVIL PLANS	10.05.2023	WW	CO	CO
D	90% REV 1 CIVIL PLANS	10.24.2023	WW	CO	CO
D					

REVISION LOG

SHEET TITLE:

CIVIL DETAILS

SHEET NO:

C-601



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REV	DESCRIPTION	DATE	BY	CKD	SME
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D	90% REV 1 CIVIL PLANS	10.24.2023	WW	CO	CO
D					

REVISION LOG

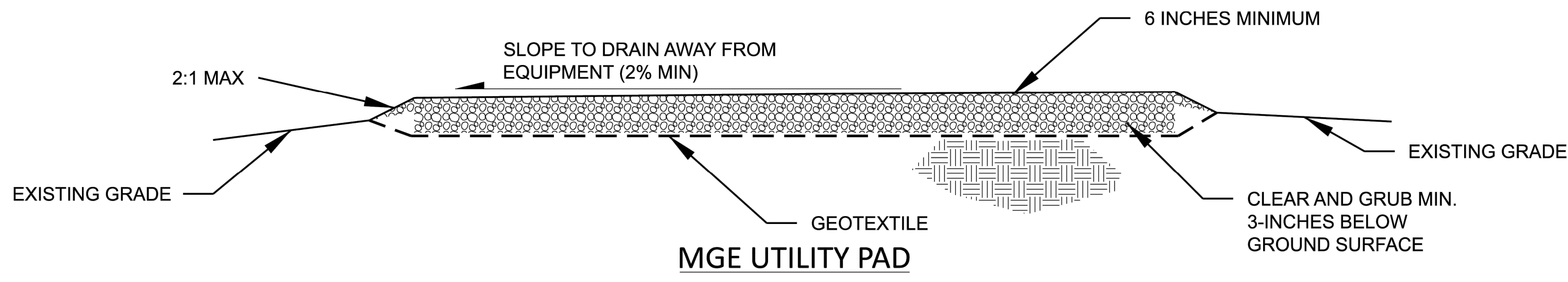
SHEET TITLE:

CIVIL DETAILS

SHEET NO:

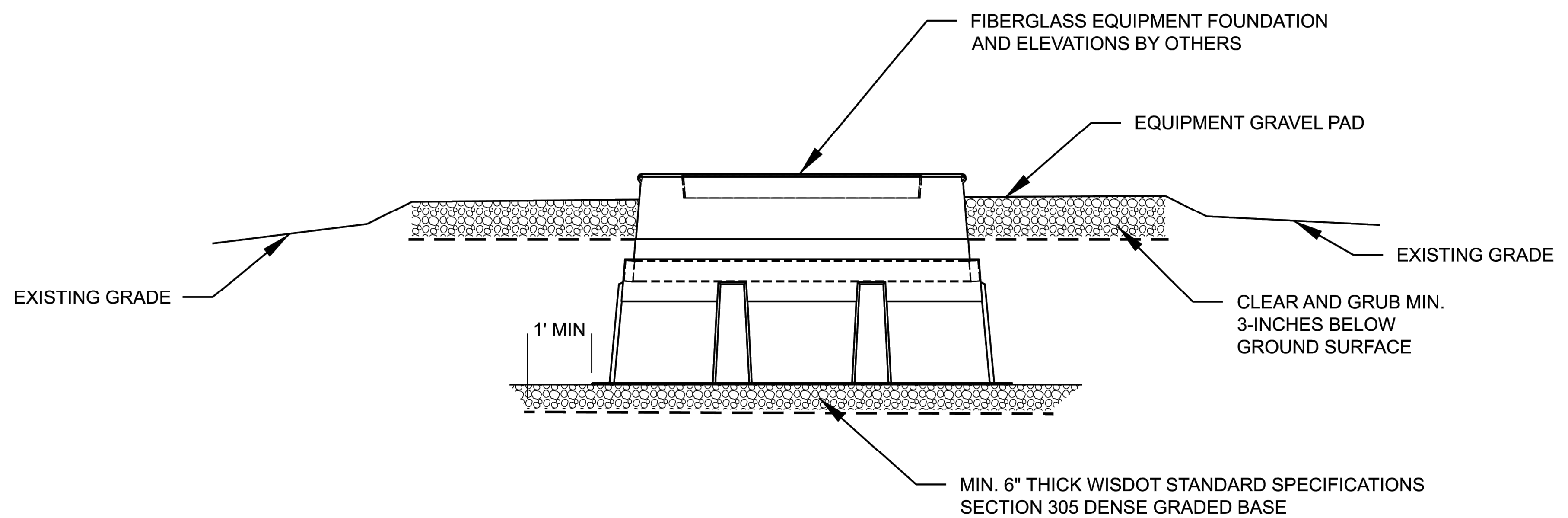
C-602

PUBLISHED ON: 10/24/2023 2:34 PM



NOTES:

1. PREPARE SUBGRADE BY CLEARING AND GRUBBING TO A MINIMUM OF 3-INCHES BELOW GROUND SURFACE.
2. PRIOR TO PLACING GEOTEXTILE, PROOF ROLL SUBGRADE.
3. GEOTEXTILE SHALL BE AASHTO M288 CLASS 2 SEPARATION GEOTEXTILE PLACED ON PREPARED SUBGRADE. SPLICE/OVERLAP GEOTEXTILE AS DIRECTED BY MANUFACTURER.
4. AGGREGATE SHALL BE A MINIMUM OF 6-INCHES THICK AND CONSIST OF WISDOT STANDARD SPECIFICATION SECTION 305 DENSE GRADED BASED 1-1/4 INCH OR 3/4 INCH. COMPACT AGGREGATE SURFACE



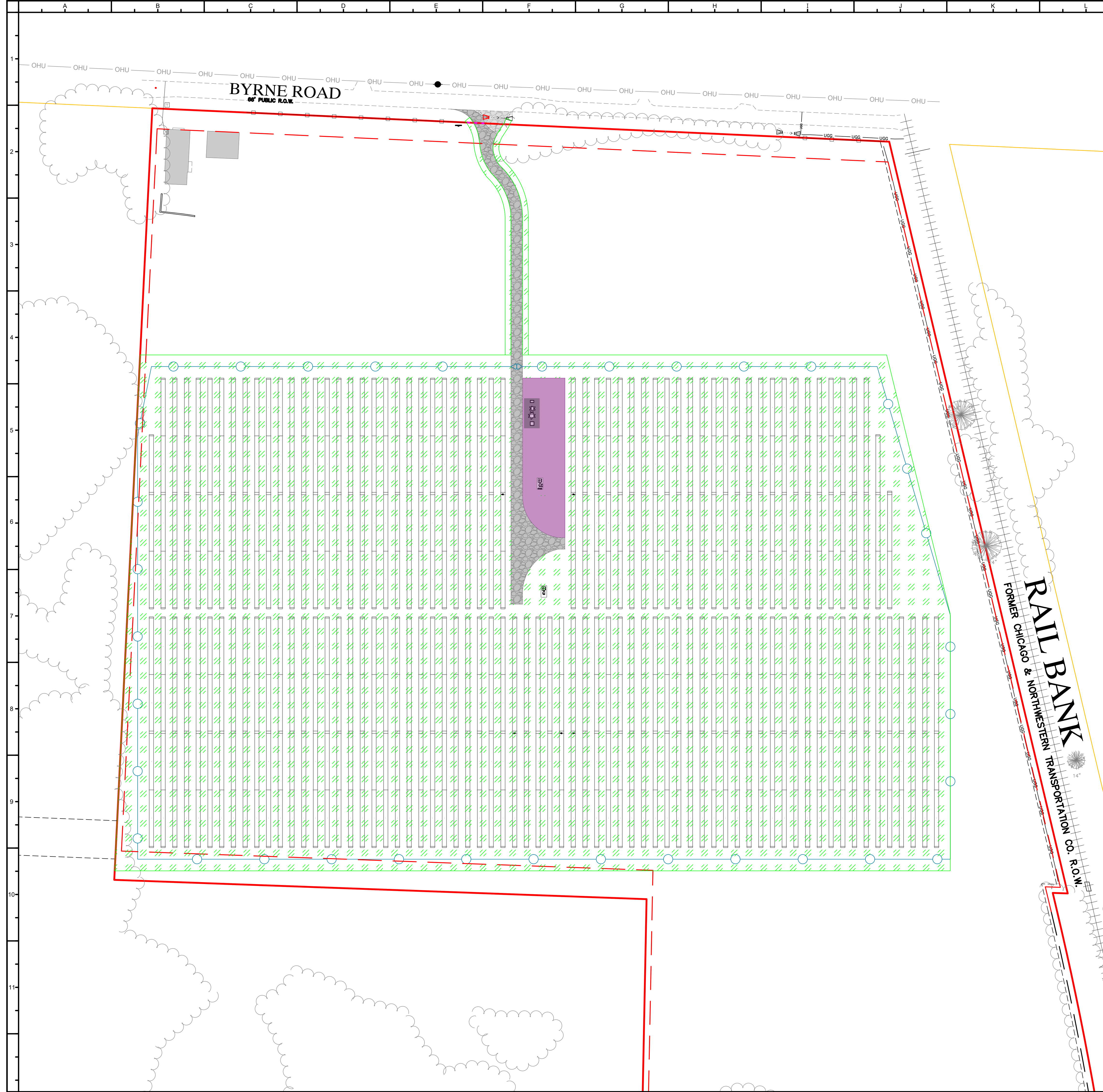
EQUIPMENT FOUNDATIONS FOR GRAVEL MGE UTILITY PAD

NOTES:

1. PREPARE SUBGRADE BY CLEARING AND GRUBBING TO A MINIMUM OF 3-INCHES BELOW GROUND SURFACE.
2. PRIOR TO PLACING FILL, USED COMPACTION EQUIPMENT TO COMPACT SUBGRADE TO 95% THE MAXIMUM DRY WEIGHT DENSITY DETERMINED BY THE STANDARD PROCTOR TEST.
3. GEOTEXTILE SHALL BE AASHTO M288 CLASS 2 SEPARATION GEOTEXTILE PLACED ON PREPARED SUBGRADE. SPLICE/OVERLAP GEOTEXTILE AS DIRECTED BY MANUFACTURER.
4. AGGREGATE SHALL BE A MINIMUM OF 6-INCHES THICK AND CONSIST OF WISDOT STANDARD SPECIFICATION SECTION 305 DENSE GRADED BASED 1-1/4 INCH OR 3/4 INCH. COMPACT AGGREGATE SURFACE
5. FOLLOW FOUNDATION MANUFACTURER'S RECOMMENDATIONS FOR BACKFILL. PLACE BACKFILL AROUND FOUNDATION WITH MANUAL TAMPING. DO NOT MACHINE COMPACT BACKFILL ADJACENT TO FIBERGLASS FOUNDATIONS.

C-602-1 | INTERCONNECTION GRAVEL PAD

NOT TO SCALE



EXISTING FEATURES LEGEND:

- PARTICIPATING PROPERTY LINE
- NON-PARTICIPATING PROPERTY LINE
- EXISTING FENCE
- EXISTING UNDERGROUND GAS
- EXISTING TREE LINE
- EXISTING MAJOR TREE
- EASEMENT
- EXISTING RAILROAD
- EXISTING ROAD EDGE
- EXISTING CULVERTS

PROPOSED FEATURES LEGEND:

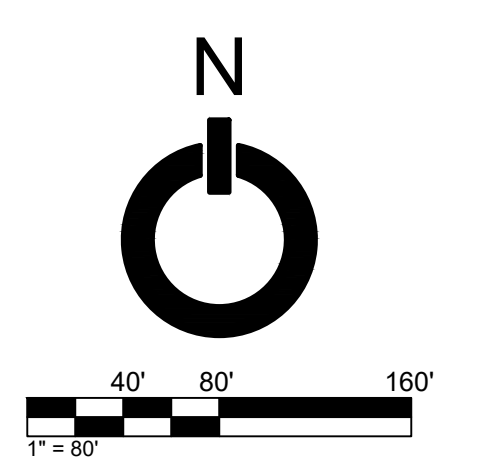
- PERIMETER FENCE
- LAY DOWN YARD
- PROPOSED ACCESS ROAD
- PROPOSED OVERHEAD POWER LINE
- PROPOSED POWER POLE
- BUILDING SETBACK LINE
- PROPOSED VEGETATED SCREENING (BY OTHERS)
- LOW WATER CROSSING (SEE DETAIL C-600-6)
- METAL APRON
- CULVERT EXTENSION

RESTORATION LEGEND:

- SEEDED AREA (28.50 AC)

NOTES:

1. TEMPORARY SEEDING TO MEET WISCONSIN DNR TECHNICAL STANDARD 1059
2. FINAL SEED MIX SUBJECT TO CHANGE DUE TO AVAILABILITY AT TIME OF PROCUREMENT




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42.971015, -89.394617

PRELIMINARY

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A	30% CIVIL PLANS	08.04.2023	EV	WW	CO
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D	90% REV 1 CIVIL PLANS	10.24.2023	WW	CO	CO
D					

SHEET TITLE:
RESTORATION PLAN

SHEET NO:
R-100