

SITE USE PERMIT SET

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0 DIETRICH RD
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PROJECT NUMBER:
120-1303

REV	DATE	DESCRIPTION	CHECKED	RELEASE LEVEL
	06/12/24	RJQ	NB	SUP

SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

T-1.0
TITLE PAGE

GENERAL NOTES

- AS CONTAINED HEREIN, "CONTRACTOR" IS ASSUMED TO BE THE EPC PROVIDER HIRED BY THE SYSTEM/PROJECT OWNER.
- WHEN THERE IS A CONFLICT BETWEEN THESE GENERAL NOTES AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
- ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING: LOCAL BUILDING CODE, LOCAL ELECTRICAL CODE, ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK AND THOSE CODES AND STANDARDS LISTED IN THESE DRAWINGS.
- THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING A CONSTRUCTION LEVEL DESIGN AND ASSOCIATED DRAWINGS AND DETAILS.
- COORDINATE THESE DRAWINGS WITH SPECIFICATIONS AND MANUFACTURER INSTALLATION AND OPERATION MANUALS.
- UNLESS OTHERWISE NOTED, THE DESIGN REPRESENTED ON THESE PLANS IS BASED ON THE INFORMATION AND CRITERIA LISTED IN THE "BASIS OF DESIGN" SECTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY SUCH INFORMATION IN PREPARATION OF THE CONSTRUCTION DESIGN.
- THE EXISTING CONDITIONS REPRESENTED ON THESE PLANS ARE BASED ON PUBLICLY AVAILABLE INFORMATION AND THE SITE DISCOVERY SUMMARIZED IN THESE DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF SUCH INFORMATION AND SUPPLEMENT WITH ANY ADDITIONAL REQUIRED INFORMATION.
- UNLESS INDICATED AS EXISTING (E), ALL PROPOSED MATERIALS AND EQUIPMENT SHALL BE CONSIDERED TO BE NEW.
- ALL EQUIPMENT AND COMPONENTS SHALL BE MOUNTED IN COMPLIANCE WITH THE MANUFACTURER'S REQUIREMENTS, CONSTRUCTION DETAILS, AND/OR PRUDENT INDUSTRY STANDARDS.
- TO THE EXTENT THAT TREES AND OTHER FEATURES AFFECT THE SYSTEM'S PRODUCTION, SUCH PRODUCTION MODELING IS BASED ON THE EXISTING APPROXIMATE HEIGHTS AND LOCATIONS RELATIVE TO THE SYSTEM AND MAY BE IMPACTED AS TREES GROW AND OTHER FEATURES CHANGE.

PROJECT SCOPE

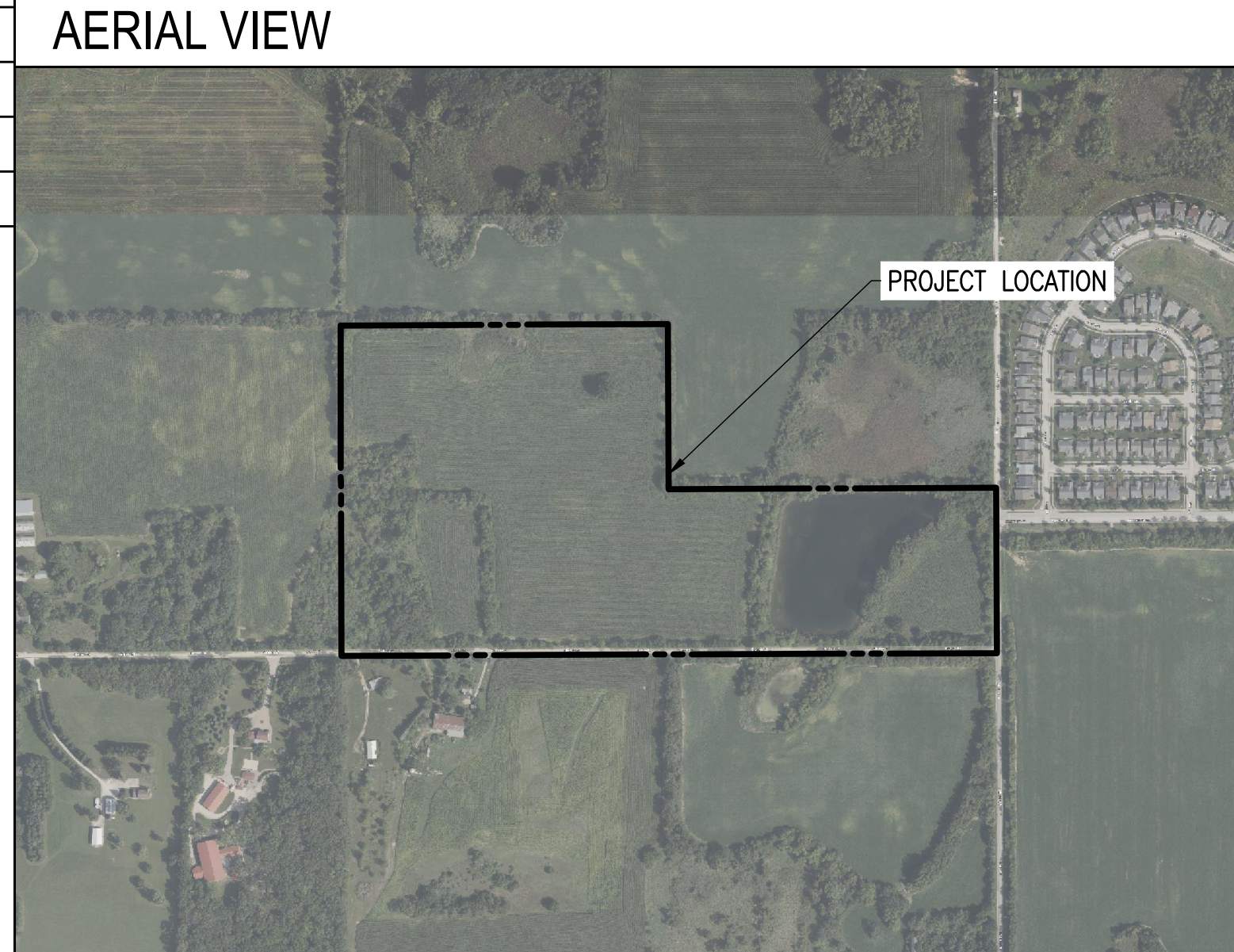
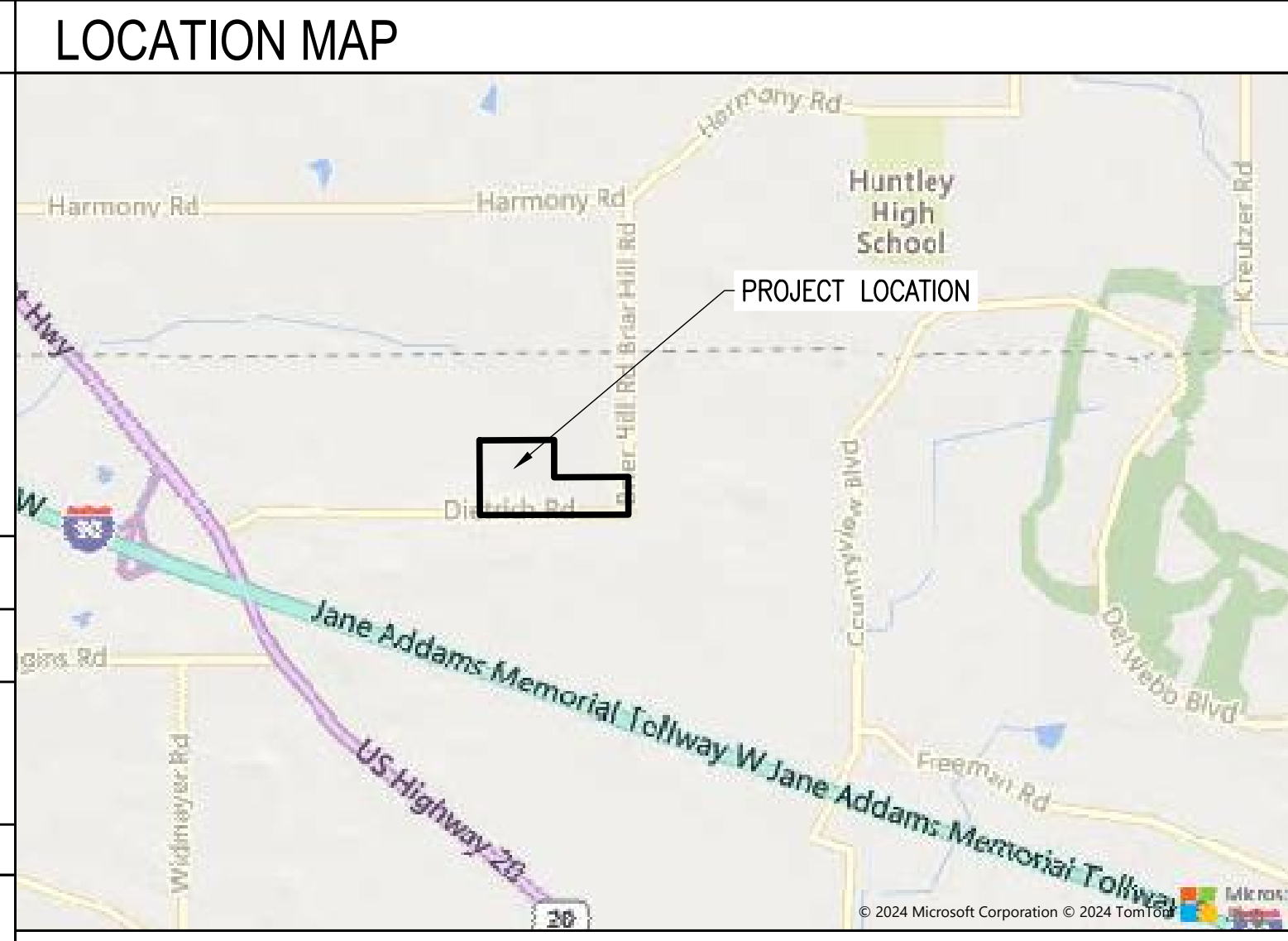
THIS PROJECT CONSISTS OF THE INSTALLATION OF SOLAR MODULES PER THE SYSTEM DESCRIPTION, BELOW. THE MODULES WILL BE INSTALLED ON A SINGLE AXIS TRACKER MOUNTED RACKING SYSTEM. THE MODULES WILL BE WIRED IN SERIES STRINGS AND CONNECTED IN PARALLEL TO THE INVERTER(S), WHICH CONVERT THE PHOTOVOLTAIC OUTPUT POWER FROM DC TO AC. THE SOLAR ELECTRIC SYSTEM WILL BE INTERCONNECTED WITH THE EXISTING SITE ELECTRICAL SYSTEM IN ACCORDANCE WITH THE APPLICABLE ELECTRICAL CODE AND COMMONWEALTH EDISON REQUIREMENTS.

SYSTEM DESCRIPTION

RACKING	ATI DURATRACK HZ V3	SYSTEM SIZE (KWAC)	4,990 KWAC
AZIMUTH	180	INVERTER(S)	(20) SOLECTRIA 1500-250 (FACTORY LIMITED TO 249.5KW)
TILT ANGLE	+/- 52	CEC EFFICIENCY	98.5 %

SPECIAL INSPECTIONS

GENERAL CONSTRUCTION SPECIAL INSPECTIONS	CODE/SECTION
1. FIRE RESISTANT PENETRATIONS AND JOINTS	BC 1704.27
2. ENERGY CODE COMPLIANCE INSPECTIONS	BC 110.3.5
FINAL	



APPLICABLE CODES AND STANDARDS

2008 NATIONAL ELECTRICAL CODE
INTERNATIONAL BUILDING CODE
UL-1703 - SOLAR MODULES
UL-1741 - INVERTERS, COMBINER BOXES
UL-2703 - RACKING MOUNTING SYSTEMS AND CLAMPING DEVICES FOR PV MODULES
UL-3703 - STANDARD FOR SOLAR TRACKERS

UL-1642 - STANDARD FOR LITHIUM BATTERIES
UL-1973 - STANDARD FOR BATTERIES FOR USE IN LIGHT ELECTRIC RAIL (LER) APPLICATIONS AND STATIONARY APPLICATION
UL-9540 - STANDARD FOR ENERGY STORAGE SYSTEM AND EQUIPMENT

PROJECT DIRECTORY

SYSTEM / PROJECT OWNER
DIETRICH ROAD SOLAR 1, LLC
800-818-5249
55 TECHNOLOGY DR , SUITE #102
LOWELL, MA 01851

LAND OWNER / HOST
CAROL & WALTER QUANDT
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KANE COUNTY
719 S. BATAVIA AVE., BLDG A
GENEVA, IL 60134

UTILITY
COMMONWEALTH EDISON

CIVIL ENGINEER
FIRM: NEW LEAF ENERGY, INC
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DESIGN ENGINEER
FIRM: NEW LEAF ENERGY, INC.
CONTACT: RYAN QUINN
PHONE: (949) 668-1140

GENERAL ABBREVIATIONS

(E) EXISTING	MFR MANUFACTURER
AHJ AUTHORITY HAVING JURISDICTION	MOD SOLAR MODULE
AL ALUMINUM	NS NORTH-SOUTH
APPROX APPROXIMATE	NTS NOT TO SCALE
ARY ARRAY	OAE OR APPROVED EQUAL
BLDG BUILDING	OC ON CENTER
NLE NEW LEAF ENERGY	OD OUTSIDE DIAMETER
CL CENTERLINE	OFCl OWNER FURNISHED CONTRACTOR INSTALLED
DAS DATA ACQUISITION SYSTEM	PCS POWER CONVERSION SYSTEM
DIA DIAMETER	PV PHOTOVOLTAIC
DO DITTO	PVC POLY VINYL CHLORIDE
EW EAST-WEST	SCH SCHEDULE
ESS ENERGY STORAGE SYSTEM	SS STAINLESS STEEL
ESU ENERGY STORAGE UNIT	SSS SOLAR SUPPORT STRUCTURE
FBO FURNISHED BY OTHERS	STC STANDARD TEST CONDITIONS
FF FORWARD FACING	TBD TO BE DETERMINED
GALV GALVANIZED	TP TAMPER PROOF
HDG HOT DIP GALVANIZED	TYP TYPICAL
HVAC HEATING VENTILATION AND AIR CONDITIONING	UON UNLESS OTHERWISE NOTED
ID INSIDE DIAMETER	VIF VERIFY IN FIELD
	WP WEATHER PROOF

DRAWING LIST

Sheet Number	Sheet Title
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CIVIL	
C-0.0	CIVIL NOTES
C-1.0	EXISTING CONDITIONS PLAN
C-2.0	LAYOUT AND MATERIALS PLAN
C-3.0	GRADING AND EROSION CONTROL PLAN
C-4.0	DECOMMISSIONING PLAN
C-5.0	CIVIL DETAILS

BASIS OF DESIGN

BOUNDARY & TOPOGRAPHIC SURVEY:
WT GROUP
FEBRUARY 2024

WETLAND STREAM AND DELINEATION REPORT:
CHRISTOPHER B. BURKE ENGINEERING, LTD
JANUARY 2024

REV 1.0

GENERAL CIVIL NOTES

APPROVALS

1. ORDER OF CONDITIONS (OOC) DATED MONTH DAY, YEAR.
2. SPECIAL PERMIT #_____ DATED MONTH DAY, YEAR.
3. SITE PLAN APPROVAL #_____ DATED MONTH DAY, YEAR.

GENERAL NOTES

1. AS CONTAINED HEREIN, "CONTRACTOR" IS ASSUMED TO BE THE EPC PROVIDER HIRED BY THE SYSTEM OWNER. "SUBCONTRACTOR" IS THE EPC PROVIDER'S INSTALLATION SUBCONTRACTORS (INCLUDING SITE WORK SUBCONTRACTOR) AND CIVIL ENGINEER OF RECORD (CEOR) IS THE EPC PROVIDER'S DESIGNATED CIVIL ENGINEER.
2. EXISTING CONDITIONS SURVEY INFORMATION WAS PREPARED BY WT GROUP PERFORMED ON FEBRUARY 27, 2024. HORIZONTAL DATUM IS REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, ILLINOIS WEST 1202 ZONE. VERTICAL DATUM IS REFERENCED TO NAVD88.
3. THERE IS NO GUARANTEE THAT ALL THE EXISTING UTILITIES, WHETHER FUNCTIONAL OR ABANDONED WITHIN THE PROJECT LIMITS ARE ON THIS DRAWING. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE STARTING WORK AND SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM THIS WORK. A DIG SAFE TICKET NUMBER INDICATING ALL EXISTING UTILITIES HAVE BEEN LOCATED AND MARKED SHALL BE OBTAINED PRIOR TO COMMENCING WORK. CONTACT "JULIE" AT 1-800-892-0123 AND PROVIDE 72 HOURS NOTICE TO RECEIVE A TICKET NUMBER.
4. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE ELECTRIC UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE UTILITY CONNECTIONS WITH THE RESPECTIVE COMPANIES PRIOR TO ANY UTILITY CONSTRUCTION.
5. TOWN APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES.
6. PRIOR TO CONSTRUCTING THE SITE ENTRANCES ONTO DIETRICH ROAD, THE CONTRACTOR SHALL OBTAIN A HIGHWAY/DRIVEWAY PERMIT FROM THE APPLICABLE AHJ.
7. SUBCONTRACTOR(S) SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL CONSTRUCTION DOCUMENTS, SPECIFICATIONS, AND SITE CONDITIONS PRIOR TO BIDDING AND PRIOR TO CONSTRUCTION.
8. ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE CONTRACTOR/CEOR FOR CLARIFICATION AND RESOLUTION PRIOR TO BIDDING OR CONSTRUCTION.
9. AREAS USED AS FOR PARKING DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS INCLUDING, BUT NOT LIMITED TO, REGRADING, LOAMING AND SEEDING. IN NO CASE SHALL PARKING AREAS, LAYDOWN AREAS, CONSTRUCTION TRAILERS, AND PORTABLE TOILETS BE LOCATED WITHIN A WETLAND RESOURCE AREA AND/OR ANY BUFFER ZONES.

SITE PREPARATION NOTES

1. AREAS DESIGNATED FOR TREE CUTTING SHALL BE CUT ONLY. NO GRUBBING OR STRIPPING OF TOPSOIL IS NECESSARY UNLESS SPECIFICALLY SHOWN OTHERWISE AND APPROVAL HAS BEEN GIVEN BY THE CONTRACTOR.
2. TREE CLEARING AND STUMP REMOVAL SHALL BE IN ACCORDANCE WITH APPROVED LOCAL, STATE, AND FEDERAL PERMITS. TREES TO BE REMOVED SHALL BE MARKED BY THE CONTRACTOR'S PROJECT MANAGER OR SITE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORK ON-SITE.
3. SEASONAL TREE CLEARING RESTRICTIONS MAY BE REQUIRED FOR ENDANGERED SPECIES PROTECTION. THE CONTRACTOR SHALL REFER TO THE TREE CLEARING PLAN FOR ANY RESTRICTIONS.
4. THE SUBCONTRACTOR(S) IS/ARE RESPONSIBLE FOR ANY DAMAGE TO EXISTING SITE CONDITIONS TO REMAIN THAT ARE DUE TO SUBCONTRACTOR(S) OPERATIONS.
5. ITEMS TO BE REMOVED THAT ARE NOT STOCKPILED FOR LATER REUSE ON THE PROJECT OR DELIVERED TO THE OWNER SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE SUBCONTRACTOR(S).
6. THE SUBCONTRACTOR(S) SHALL BE RESPONSIBLE FOR COORDINATING THEIR EFFORTS WITH ALL TRADES.
7. THE SUBCONTRACTOR(S) SHALL COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
8. TEMPORARY CONSTRUCTION HAUL ROADS SHALL BE USED DURING CONSTRUCTION IF DEEMED NECESSARY BY THE CONTRACTOR. THE USE OF SEPARATION FABRICS SHALL BE USED TO FACILITATE FUTURE REMOVAL AND RECOVERY OF GRANULAR MATERIALS. HAUL ROADS SHALL BE MAINTAINED DURING CONSTRUCTION WITH APPROPRIATE EROSION CONTROL AND STORMWATER REDUCTION MEASURES. ONCE REMOVED, THE SUB-BASE AREA SHOULD BE DECOMPACTED WITH A YORK RAKE, LOAM REPLACED, AND RESEDED.
9. THE SITE ACCESS ROADS ARE DESIGNED TO MEET STATE FIRE CODE FOR FIRE TRUCK ACCESS. MEANS AND METHODS FOR ACCOMMODATING LARGER CONSTRUCTION DELIVERY VEHICLES MUST BE DETERMINED BY THE CONTRACTOR.
10. THE PROPOSED ROAD DESIGN SHOWN IN THESE PLANS SHALL BE CONSIDERED THE FINAL DESIGN CONDITION. ADDITIONAL MEANS AND METHODS OF CONSTRUCTION DEEMED NECESSARY BY THE OWNER OR CONTRACTOR SHALL BE DESIGNED BY OTHERS AND INCLUDED IN THE INITIAL EPC BID PRICE (INCLUDING, BUT NOT LIMITED TO: TEMPORARY HAUL ROADS, WIDENED OR LENGTHENED ROADS AND TURN OUT AREAS FOR LARGER CONSTRUCTION AND DELIVERY VEHICLES, TEMPORARY PARKING AND LAYDOWN AREAS, MODIFIED GRADING TO SUPPORT CONSTRUCTION AND DELIVERY VEHICLES, ETC.).

EROSION AND SEDIMENT CONTROL MEASURES

1. A NPDES PERMIT SHALL BE IN PLACE PRIOR TO COMMENCING ANY EARTH DISTURBANCE.
2. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SITE EXCAVATION OR DISTURBANCE AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
3. SEDIMENT BARRIERS SHALL BE INSPECTED AND APPROVED BY THE TOWN OF HAMPSHIRE OR THEIR REPRESENTATIVE AND THE CONTRACTOR/CEOR BEFORE CONSTRUCTION BEGINS.
4. STRAW BALES AND MULCH SHALL BE MOWINGS OF ACCEPTABLE HERBACEOUS GROWTH, FREE OF NOXIOUS WEEDS OR WOODY STEMS, AND SHALL BE DRY WHEN INSTALLED.
5. DISTURBED AREAS SHALL BE BLANKETED OR SEEDED AND MULCHED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODABLE/BARE AREAS SHALL BE BLANKETED OR SEEDED AND MULCHED WITHIN 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING.
9. PRIOR TO SEEDING, ACCESS AISLES, TEMPORARY STAGING, STORAGE, AND PARKING AREAS ARE TO BE DE-COMPACTED AND RESTORED PER THE SWPPP.
10. STABILIZE SLOPES GREATER THAN 3:1 (HORIZONTAL: VERTICAL) WITH SEED, SECURED GEOTEXTILE

FABRIC, SPRAYED COMPOST BLANKET, OR RIP-RAP AS REQUIRED TO PREVENT EROSION DURING CONSTRUCTION.

11. SEDIMENT BARRIERS SHALL BE CONSTRUCTED AROUND ALL SOIL STOCKPILE AREAS.
12. CLEAN OUT PROJECT DRAINAGE FEATURES AND STRUCTURES (I.E. CULVERTS, BASINS, SWALES, ETC.) AFTER COMPLETION OF CONSTRUCTION.
13. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE SEDIMENT CONTROL MEASURE.
14. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE SUBCONTRACTOR(S) SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AT THE CONTRACTOR/CEOR DIRECTION.
15. AFTER THE REMOVAL OF TEMPORARY EROSION CONTROL MEASURES, THE SUBCONTRACTOR(S) SHALL GRADE AND SEED AREA OF TEMPORARY EROSION CONTROL MEASURE.
16. DAMAGED OR DETERIORATED EROSION AND SEDIMENT CONTROL ITEMS WILL BE REPAIRED IMMEDIATELY AFTER IDENTIFICATION OR AS DIRECTED BY THE CONTRACTOR/CEOR.
17. THE CONTRACTOR'S SITE SUPERINTENDENT IS RESPONSIBLE FOR DAILY INSPECTIONS, MAINTENANCE, AND DIRECTING REPAIR ACTIVITIES. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES TWICE EVERY SEVEN (7) CALENDAR DAYS (IF GREATER THAN 5 ACRES IS TO BE DISTURBED AT ANY ONE TIME) OR ONCE EVERY FOURTEEN (14) DAYS AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION, IN ACCORDANCE WITH THE NPDES REQUIREMENTS. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS.
18. PIPE OUTLETS (IF ANY) SHALL BE STABILIZED WITH STONE. REFER TO DETAILS.
19. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
20. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION/SEDIMENTATION CONTROL MEASURES MAY BE REQUIRED BY CONTRACTOR/CEOR.
21. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY.
22. NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. NO RE-FUELING SHALL OCCUR WITHIN 100 FEET OF ANY WETLAND RESOURCE AREA AND 200 FEET FROM RIVERFRONT. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
23. THE COST OF REPAIRING EROSION CONTROL MEASURES OR REMOVING SEDIMENT FROM EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
24. EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
25. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT DUST FROM FORMING.
26. EROSION CONTROL MEASURES AS SHOWN ON THESE DRAWINGS IS INTENDED TO CONVEY MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS NECESSARY TO PREVENT SOIL EROSION AND TO COMPLY WITH THE PROJECT'S NPDES PERMIT STORMWATER POLLUTION PREVENTION PLAN.

LAYOUT AND MATERIAL NOTES

1. THE CONTRACTOR SHALL HAVE PERIMETER FENCE, ELECTRICAL TRENCHES, AND RACKING STAKED OUT BY A LICENSED LAND SURVEYOR PRIOR TO ANY INSTALLATION OF RACKING OR TRENCHES.
2. EXCESS TRENCH MATERIAL SHALL BE PLACED ON THE SIDES OF THE TRENCH AND PLACED AT OR NEAR THE SAME LOCATION AS WHERE EXCAVATED. TOPSOIL REMOVED SHALL BE PLACED ON TOP AND LIGHTLY COMPACTED.
3. SUBCONTRACTOR SHALL INSTALL CONDUITS FOR ALL ELECTRIC CONDUIT CROSSINGS PRIOR TO INSTALLATION OF THE GEOGRID MATERIAL. THE GEOGRID SHALL NOT BE HORIZONTALLY CUT ONCE INSTALLED.

GRADING NOTES

1. WHERE PROPOSED GRADES MEET EXISTING GRADES, SUBCONTRACTOR(S) SHALL BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW WORK. PONDING AT TRANSITION AREAS WILL NOT BE ALLOWED.
2. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDING FOUNDATIONS, STRUCTURES, PUBLIC ROADWAYS, AND ELECTRICAL EQUIPMENT AREAS.

PLANTING NOTES

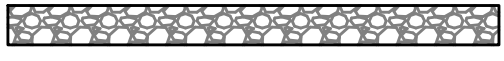
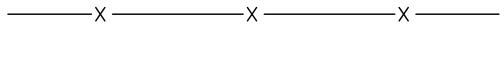





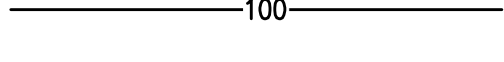




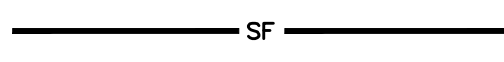

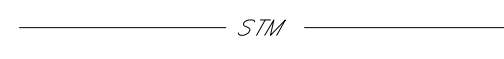
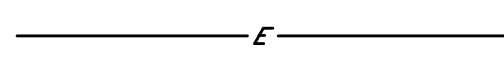
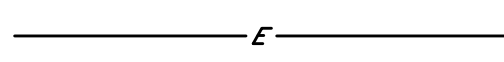

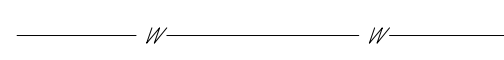

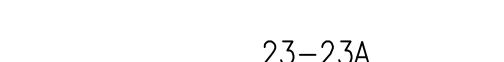








1. THE LANDSCAPE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE ALL PLANTINGS SHOWN ON THE DRAWINGS.
2. MATERIALS SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
3. PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISH GRADE AS TO ORIGINAL GRADES BEFORE DIGGING.
4. PLANTS TO BE BALLED IN BURLAP OR CONTAINERIZED.
5. PLANT SIZE AND QUANTITY SHALL NOT CHANGE WITHOUT APPROVAL OF CONTRACTOR/CEOR.

ABBREVIATIONS

BIT	BITUMINOUS
BMP	BEST MANAGEMENT PRACTICE
BVW	BORDERING VEGETATED WETLANDS
CB	CONCRETE BOUND
CONC	CONCRETE
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
DH	DRILL HOLE
DIP	DUCTILE IRON PIPE
DMH	DRAIN MANHOLE
ECB	EROSION CONTROL BARRIER
FES	FLARED END SECTION
FH	FIRE HYDRANT
FND	FOUND
GG	GAS GATE
HDPE	HIGH-DENSITY POLYETHYLENE
HW	HEADWALL
ILSF	ISOLATED LANDS SUBJECT TO FLOODING
IP	IRON PIPE
ISW	ISOLATED WETLANDS (FEDERAL JURISDICTION)
LA	LANDSCAPED AREA
LOW	LIMIT OF WORK
N/F	NOW OR FORMERLY
NTS	NOT TO SCALE
OCS	OUTLET CONTROL STRUCTURE
OHW	OVERHEAD WIRE
RCP	REINFORCED CONCRETE PIPE
RET	RETAINING
ROW	RIGHT-OF-WAY
SB	STONE BOUND
TEL	TELEPHONE CABLE
TYP	TYPICAL
UP	UTILITY POLE
WG	WATER GATE

REV 1.1

LEGEND

	ROAD (GRAVEL)
	FENCE LINE
	PROPERTY LINE
	FLOW DIRECTION
	BANK LINE/FLAG
	WETLAND LINE/FLAG
	(E) MAJOR CONTOUR
	(E) MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	WETLAND BUFFER ZONE
	RIVERFRONT AREA
	100-YEAR FLOOD HAZARD AREA
	TREELINE
	SILT FENCE
	SILT SOCK
	STORM PIPE
	ELECTRICAL TRENCH
	OVERHEAD ELECTRIC
	SEWER LINE
	WATER LINE
	GAS MAIN
	23-23A ASSESSORS MAP-LOT
	SIGN
	UTILITY POLE (WITH GUY ANCHOR)
	HYDRANT
	WATER VALVE
	INDIVIDUAL TREE
	PROPERTY MARKERS

NOTE: ITALIC FONTS INDICATE EXISTING CONDITIONS. STANDARD FONTS INDICATE PROPOSED CONDITIONS.

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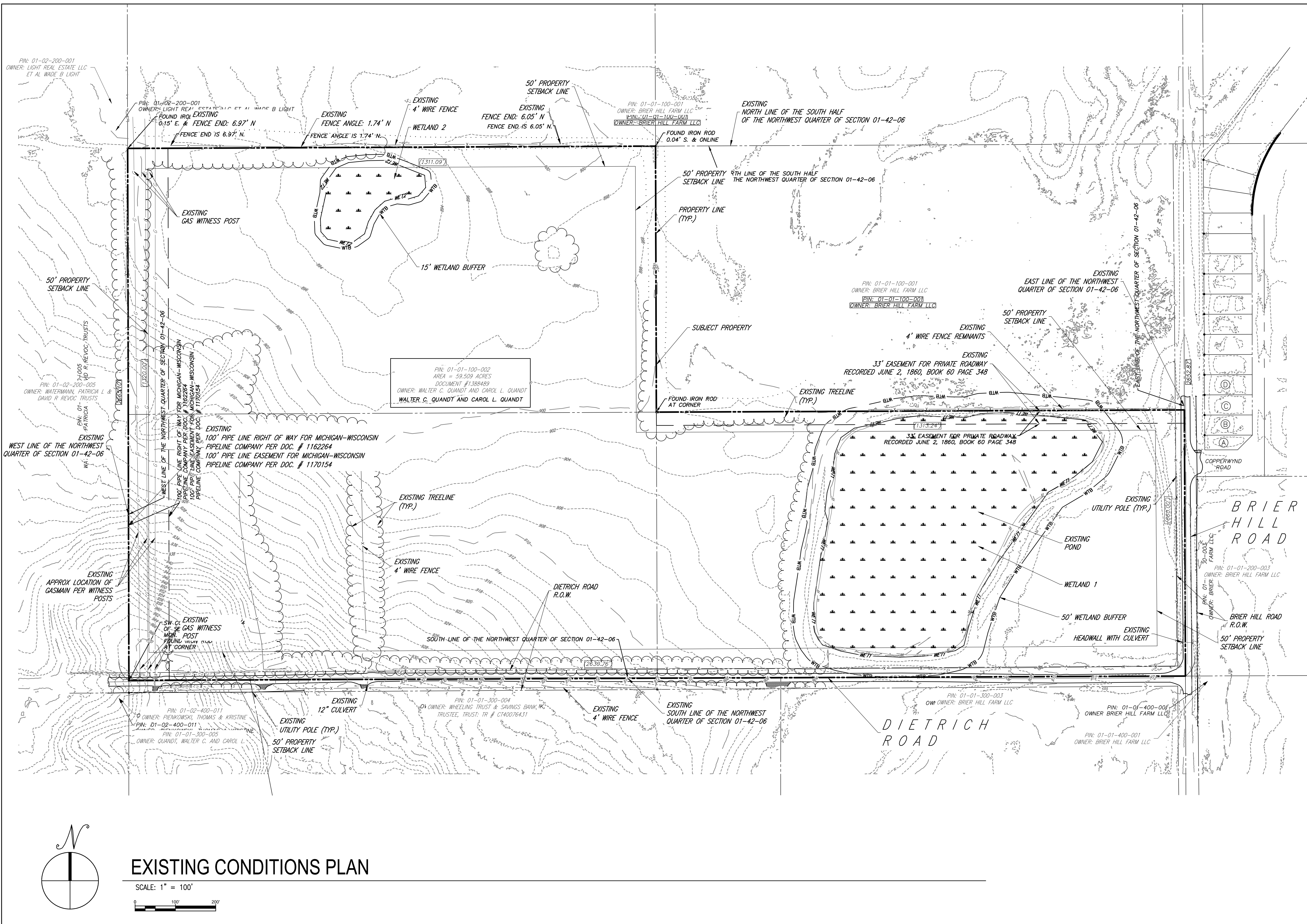
SITE USE PERMIT DESIGN PACKAGE
0 DIETRICH RD
HAMPSHIRE IL, 60124

PROJECT NUMBER:
120-1303

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL

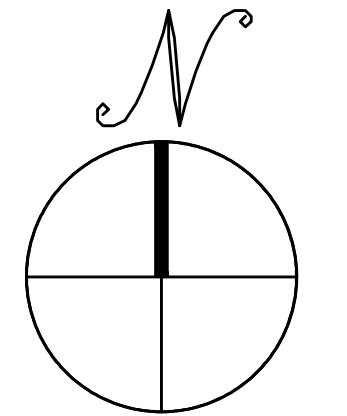
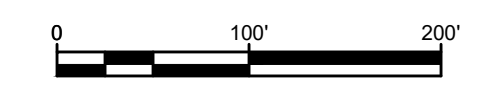
SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

C-1.0
EXISTING CONDITIONS PLAN



EXISTING CONDITIONS PLAN

SCALE: 1" = 100'



PIN: 01-02-200-001
OWNER: LIGHT REAL ESTATE LLC
ET AL WADE B LIGHT

PIN: 01-02-200-001
OWNER: LIGHT REAL ESTATE LLC
ET AL WADE B LIGHT
EXISTING FOUND IRON ROD
0.15' E. & FENCE END: 6.97' N
FENCE END IS 6.97' N.

EXISTING FENCE ANGLE: 1.74' N
FENCE ANGLE IS 1.74' N.

50' PROPERTY SETBACK LINE
EXISTING FENCE END: 6.05' N
FENCE END IS 6.05' N.

PIN: 01-01-100-001
OWNER: BRIER HILL FARM LLC
PIN: 01-01-100-001
OWNER: BRIER HILL FARM LLC

EXISTING NORTH LINE OF THE SOUTH HALF
OF THE NORTHWEST QUARTER OF SECTION 01-42-06

FOUND IRON ROD
0.04' S. & ONLINE

50' PROPERTY SETBACK LINE
PROPERTY LINE (TYP.)

50' PROPERTY SETBACK LINE
50' PROPERTY SETBACK LINE

PIN: 01-01-100-001
OWNER: BRIER HILL FARM LLC
PIN: 01-01-100-001
OWNER: BRIER HILL FARM LLC

EXISTING EAST LINE OF THE NORTHWEST
QUARTER OF SECTION 01-42-06

50' PROPERTY SETBACK LINE
EXISTING 4' WIRE FENCE REMNANTS

33' EASEMENT FOR PRIVATE ROADWAY
RECORDED JUNE 2, 1860, BOOK 60 PAGE 348

EXISTING TREELINE (TYP.)
FOUND IRON ROD AT CORNER

EXISTING UTILITY POLE (TYP.)

BRIER HILL ROAD

EXISTING POND

WETLAND 1

50' WETLAND BUFFER

EXISTING HEADWALL WITH CULVERT

BRIER HILL ROAD R.O.W.

50' PROPERTY SETBACK LINE

DIETRICH ROAD R.O.W.

SOUTH LINE OF THE NORTHWEST QUARTER OF SECTION 01-42-06

EXISTING 4' WIRE FENCE

EXISTING SOUTH LINE OF THE NORTHWEST
QUARTER OF SECTION 01-42-06

DIETRICH ROAD

PIN: 01-01-300-003
OWNER: BRIER HILL FARM LLC

PIN: 01-01-400-001
OWNER: BRIER HILL FARM LLC

PIN: 01-01-400-001
OWNER: BRIER HILL FARM LLC

PIN: 01-02-400-011
OWNER: PIENKOWSKI, THOMAS & KRISTINE
PIN: 01-02-400-011
OWNER: PIENKOWSKI, THOMAS & KRISTINE
PIN: 01-01-300-005
OWNER: QUANDT, WALTER C. AND CAROL L.

EXISTING UTILITY POLE (TYP.)
50' PROPERTY SETBACK LINE

PIN: 01-01-300-004
OWNER: WHEELING TRUST & SAVINGS BANK, INC.
TRUSTEE, TRUST TR # CT40076431

PIN: 01-02-200-005
OWNER: WATERMANN, PATRICIA L. & DAVID R. REVOC TRUSTS
PIN: 01-02-200-005
OWNER: WATERMANN, PATRICIA L. & DAVID R. REVOC TRUSTS

EXISTING 100' PIPE LINE RIGHT OF WAY FOR MICHIGAN-WISCONSIN
PIPELINE COMPANY PER DOC. # 1162264
100' PIPE LINE EASEMENT FOR MICHIGAN-WISCONSIN
PIPELINE COMPANY PER DOC. # 1170154

PIN: 01-01-100-002
AREA = 59.509 ACRES
DOCUMENT # 1388489
OWNER: WALTER C. QUANDT AND CAROL L. QUANDT
WALTER C. QUANDT AND CAROL L. QUANDT

50' PROPERTY SETBACK LINE

EXISTING WEST LINE OF THE NORTHWEST
QUARTER OF SECTION 01-42-06

EXISTING APPROX LOCATION OF
GASMAIN PER WITNESS
POSTS

EXISTING SW CORNER
GAS WITNESS
MON. POST
FOUND IRON ROD
AT CORNER

PIN: 01-02-400-011
OWNER: PIENKOWSKI, THOMAS & KRISTINE
PIN: 01-02-400-011
OWNER: PIENKOWSKI, THOMAS & KRISTINE
PIN: 01-01-300-005
OWNER: QUANDT, WALTER C. AND CAROL L.

EXISTING UTILITY POLE (TYP.)
50' PROPERTY SETBACK LINE

PIN: 01-01-300-004
OWNER: WHEELING TRUST & SAVINGS BANK, INC.
TRUSTEE, TRUST TR # CT40076431

EXISTING 4' WIRE FENCE

EXISTING SOUTH LINE OF THE NORTHWEST
QUARTER OF SECTION 01-42-06

DIETRICH ROAD

PIN: 01-01-300-003
OWNER: BRIER HILL FARM LLC

PIN: 01-01-400-001
OWNER: BRIER HILL FARM LLC

PIN: 01-01-400-001
OWNER: BRIER HILL FARM LLC

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OWNER: WATERMANN, PATRICIA L. & DAVID R. REVOC TRUSTS

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PIPELINE COMPANY PER DOC. # 1162264
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PIN: 01-01-300-004
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TRUSTEE, TRUST TR # CT40076431

EXISTING 4' WIRE FENCE

EXISTING SOUTH LINE OF THE NORTHWEST
QUARTER OF SECTION 01-42-06

DIETRICH ROAD

PIN: 01-01-300-003
OWNER: BRIER HILL FARM LLC

PIN: 01-01-400-001
OWNER: BRIER HILL FARM LLC

PIN: 01-01-400-001
OWNER: BRIER HILL FARM LLC

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 Rosemont, Illinois 60018
 (847) 823-0500

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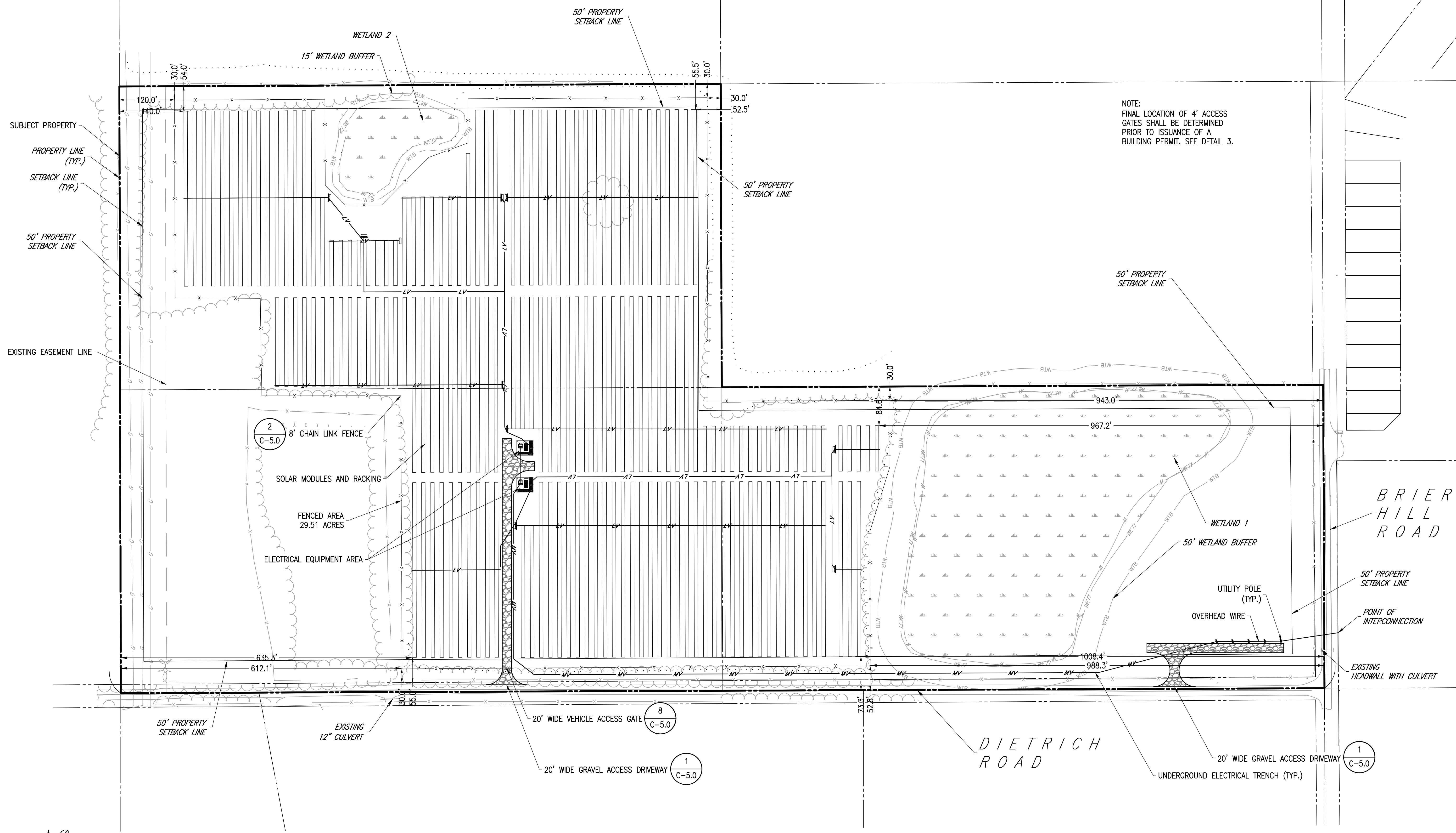
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 HAMPSHIRE IL, 60124

PROJECT NUMBER:
 120-1303

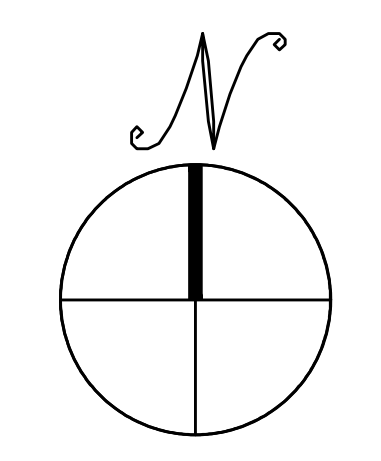
REV	DATE	DRAWN	CHECKED	RELEASE LEVEL

SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

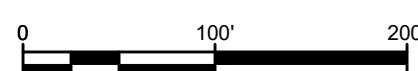
C-2.0
 LAYOUT AND MATERIALS PLAN



NOTE:
 FINAL LOCATION OF 4' ACCESS GATES SHALL BE DETERMINED PRIOR TO ISSUANCE OF A BUILDING PERMIT. SEE DETAIL 3.



LAYOUT AND MATERIALS PLAN

SCALE: 1" = 100'


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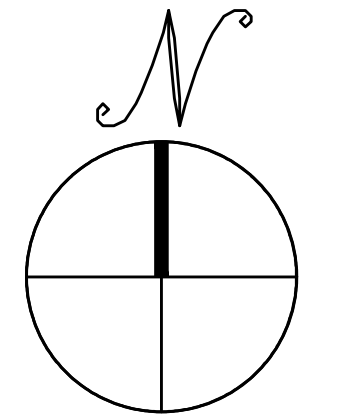
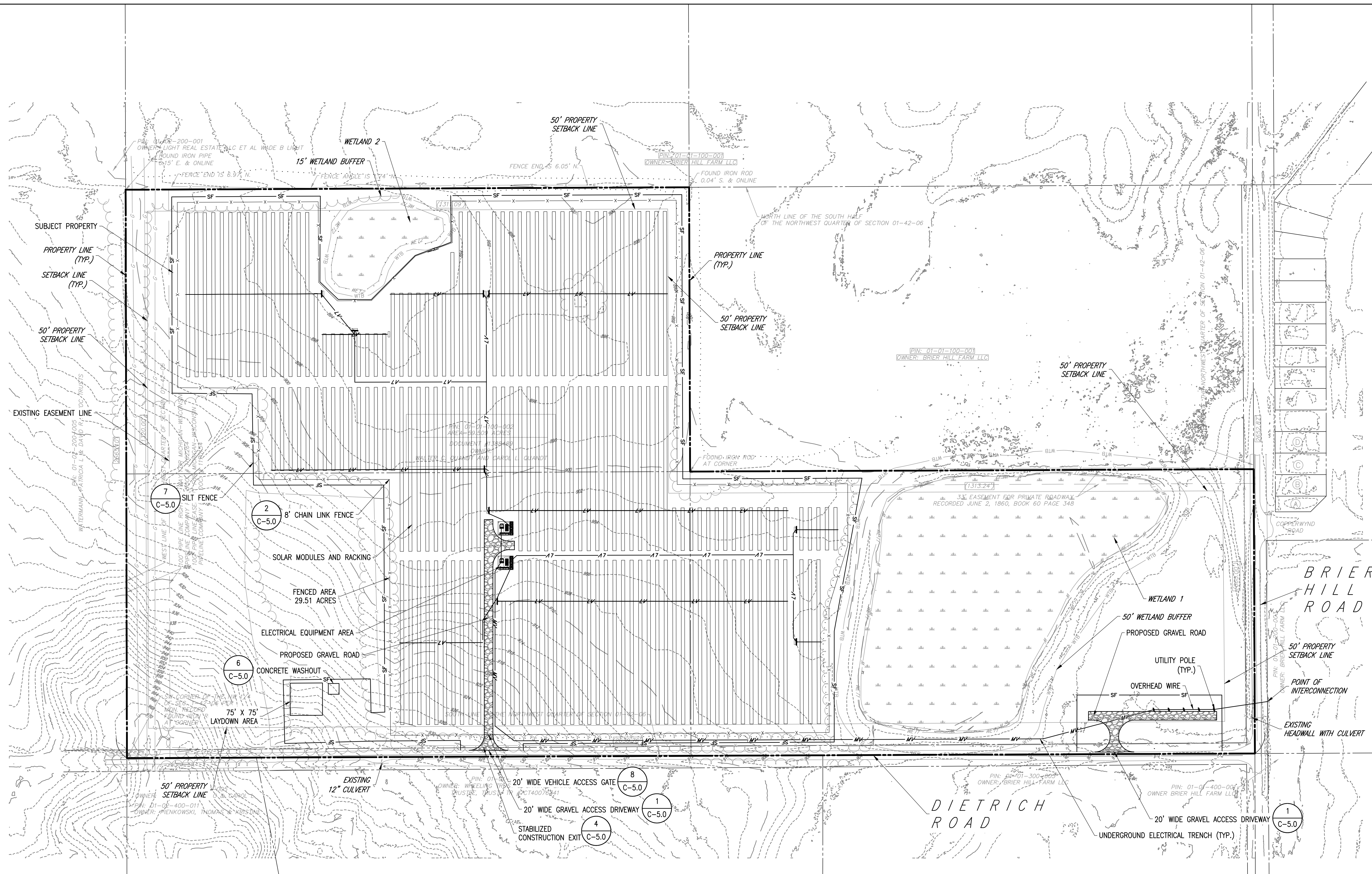
SITE USE PERMIT DESIGN PACKAGE
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HAMPSHIRE IL, 60124

PROJECT NUMBER:
120-1303

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL

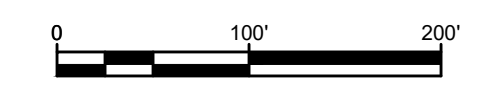
SCALE: 1" = 100'
ARCH D 24" X 36"

C-3.0
GRADING AND EROSION CONTROL PLAN



GRADING AND EROSION CONTROL PLAN

SCALE: 1" = 100'



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LOWELL, MA 01851
PHONE: (800) 818-5249
FAX: (888) 678-8991
WWW.NEWEAFENERGY.COM

SCORE OF WORK	AL-40
INSTALLATION OF BATTERY ENERGY STORAGE SYSTEMS	
CONCRETE PADS AND RELATED EQUIPMENT AT GRADE	
BLOCK:	0000
LIN:	1500
SHR:	000000
COMBINARY BOARD:	503
ZONING DISTRICT:	WI-15RD
ZONING MAP:	00A
OCCUPANCY GROUP:	F1
CONSTRUCTION CL.:	TYPE III
USE GROUP:	0A

NOT FOR CONSTRUCTION

BCB
9575 W. Higgins Road
Rosemont, Illinois 60018
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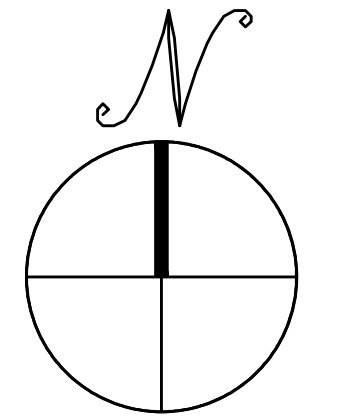
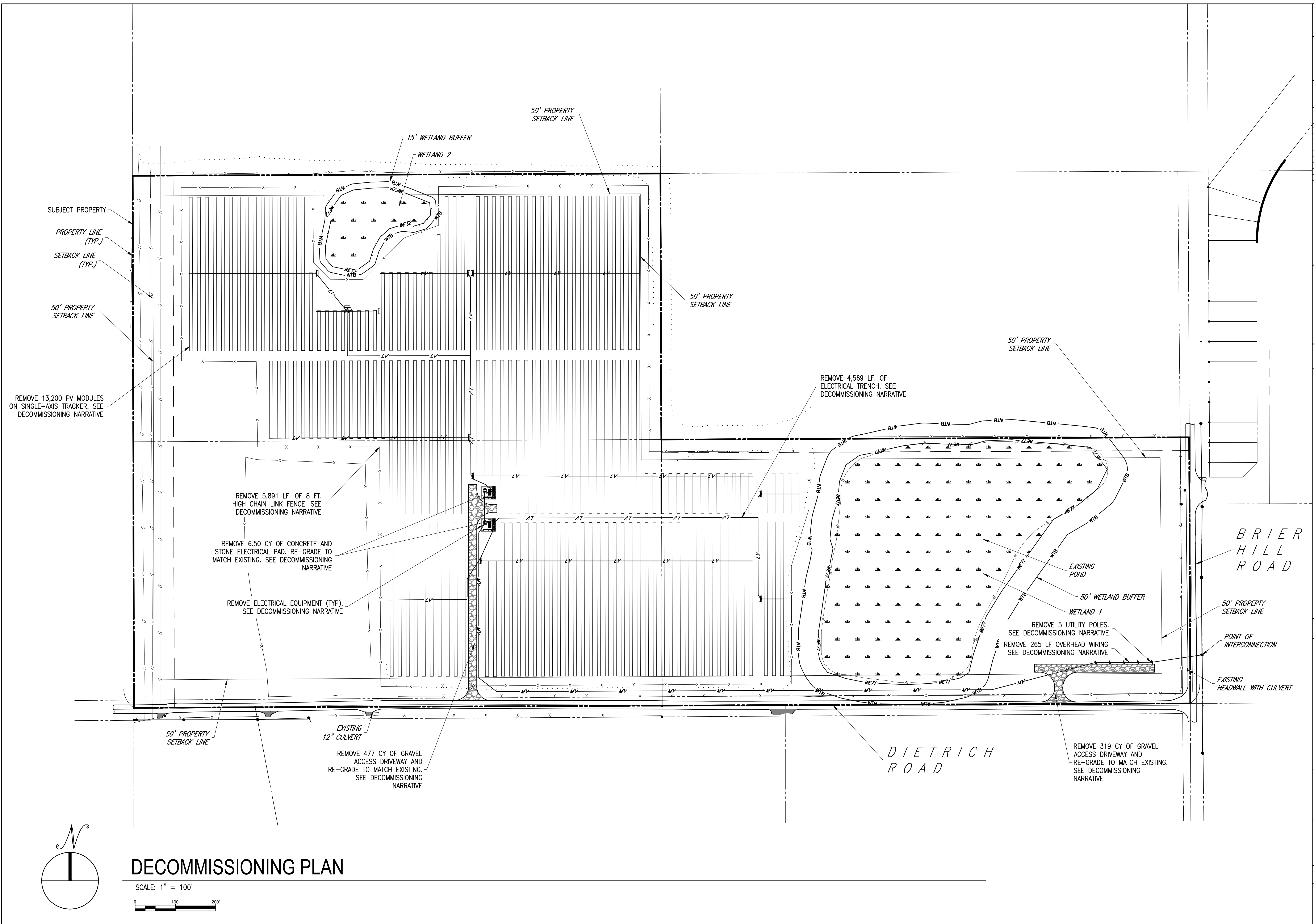
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HAMPSHIRE IL, 60124

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REV	DATE	DRAWN	CHECKED	RELEASE LEVEL

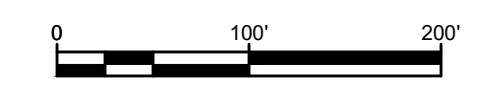
SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

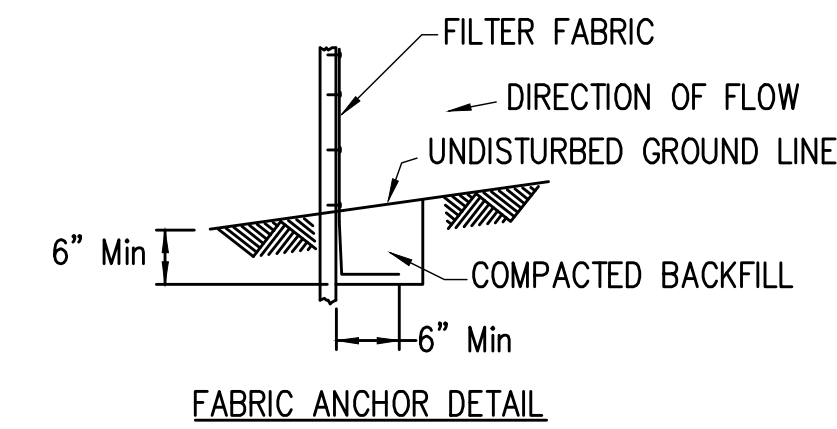
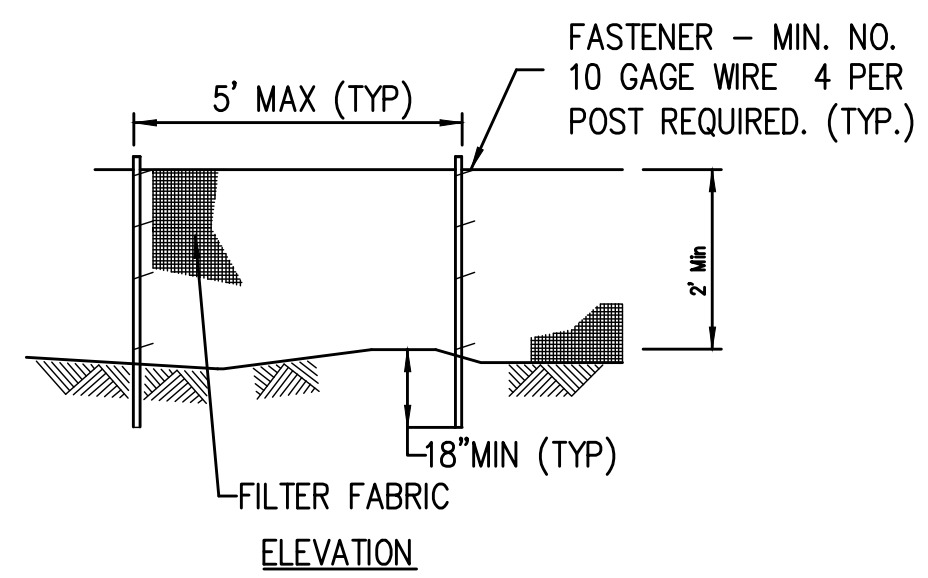
C-4.0
DECOMMISSIONING PLAN



DECOMMISSIONING PLAN

SCALE: 1" = 100'

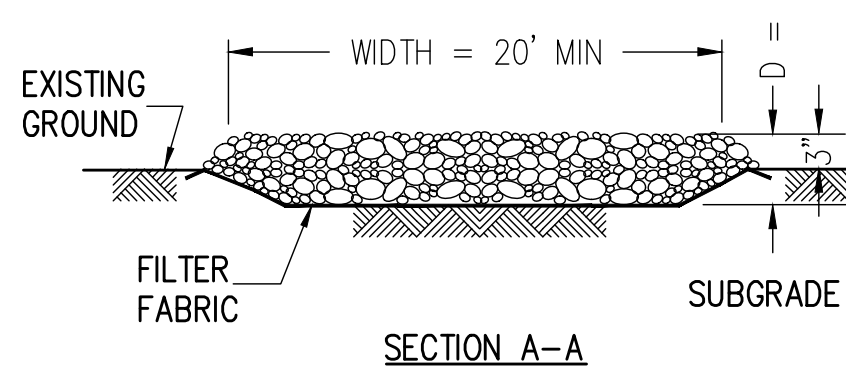
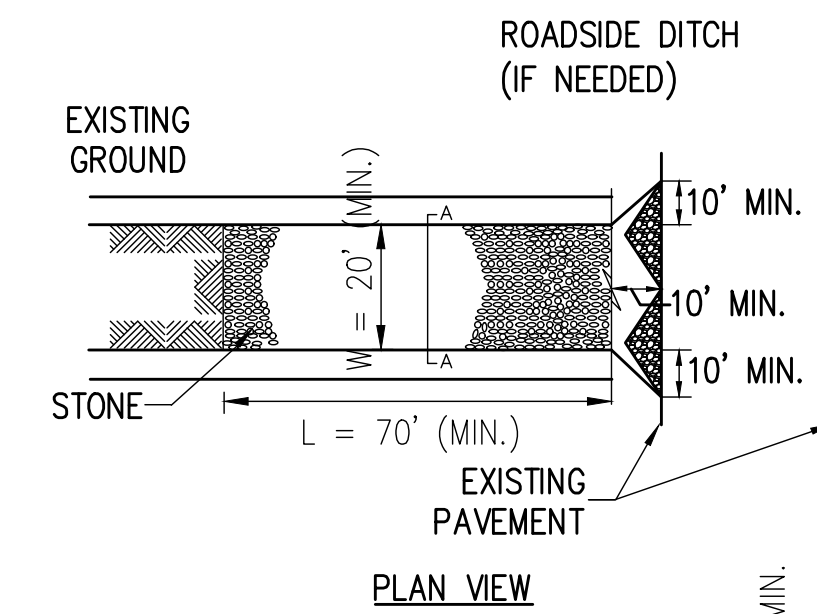




- NOTES:
1. TEMPORARY SEDIMENT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
 2. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION I 592 GEOTEXTILE TABLE 1 OR 2, CLASS WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 40 FOR WOVEN.
 3. FENCE POSTS SHALL BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.

7 SILT FENCE

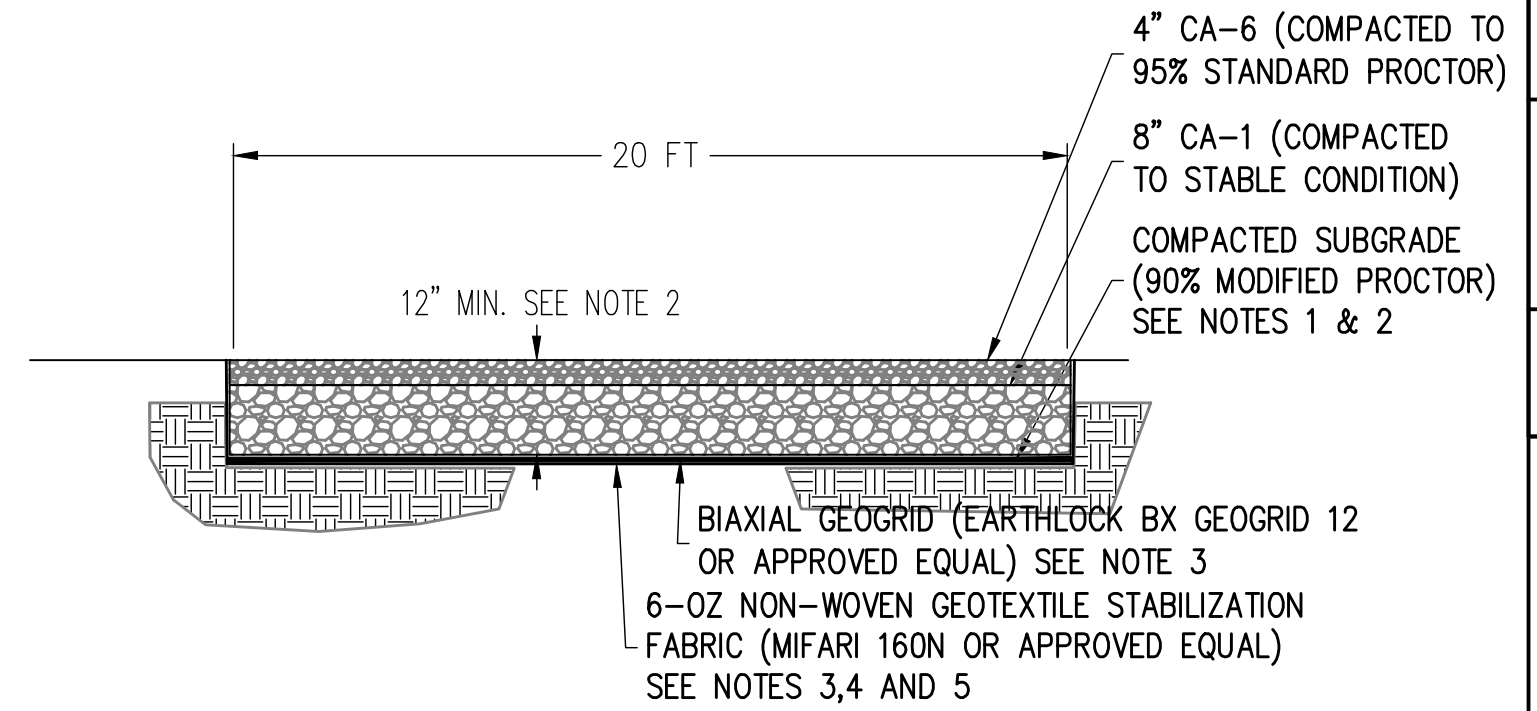
SCALE: NTS



- NOTES:
1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 1 OR 2, CLASS I, II OR IV AND SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO THE PLACING OF ROCK.
 2. ROCK OR RECLAIMED CONCRETE SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATIONS, CA-1, CA-2, CA-3, OR CA-4 AND BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 25 ROCKFILL USING PLACEMENT METHOD 1 AND CLASS III COMPACTION.
 3. SEE PLANS FOR CONSTRUCTION ROAD LOCATION, D AND W DIMENSIONS. MINIMUM WIDTH IS 14 FEET FOR ONE-WAY TRAFFIC AND 20 FEET FOR TWO-WAY TRAFFIC. TWO-WAY TRAFFIC WIDTHS SHALL BE INCREASED A MINIMUM OF 4 FEET FOR TRAILER TRAFFIC. DEPENDING ON THE TYPE OF VEHICLE OR EQUIPMENT, SPEED, LOADS, CLIMATIC AND OTHER CONDITIONS UNDER WHICH VEHICLES AND EQUIPMENT OPERATE AN INCREASE IN THE MINIMUM WIDTHS MAY BE REQUIRED.
 5. ROADWAY SHALL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE.

4 STABILIZED CONSTRUCTION ENTRANCE

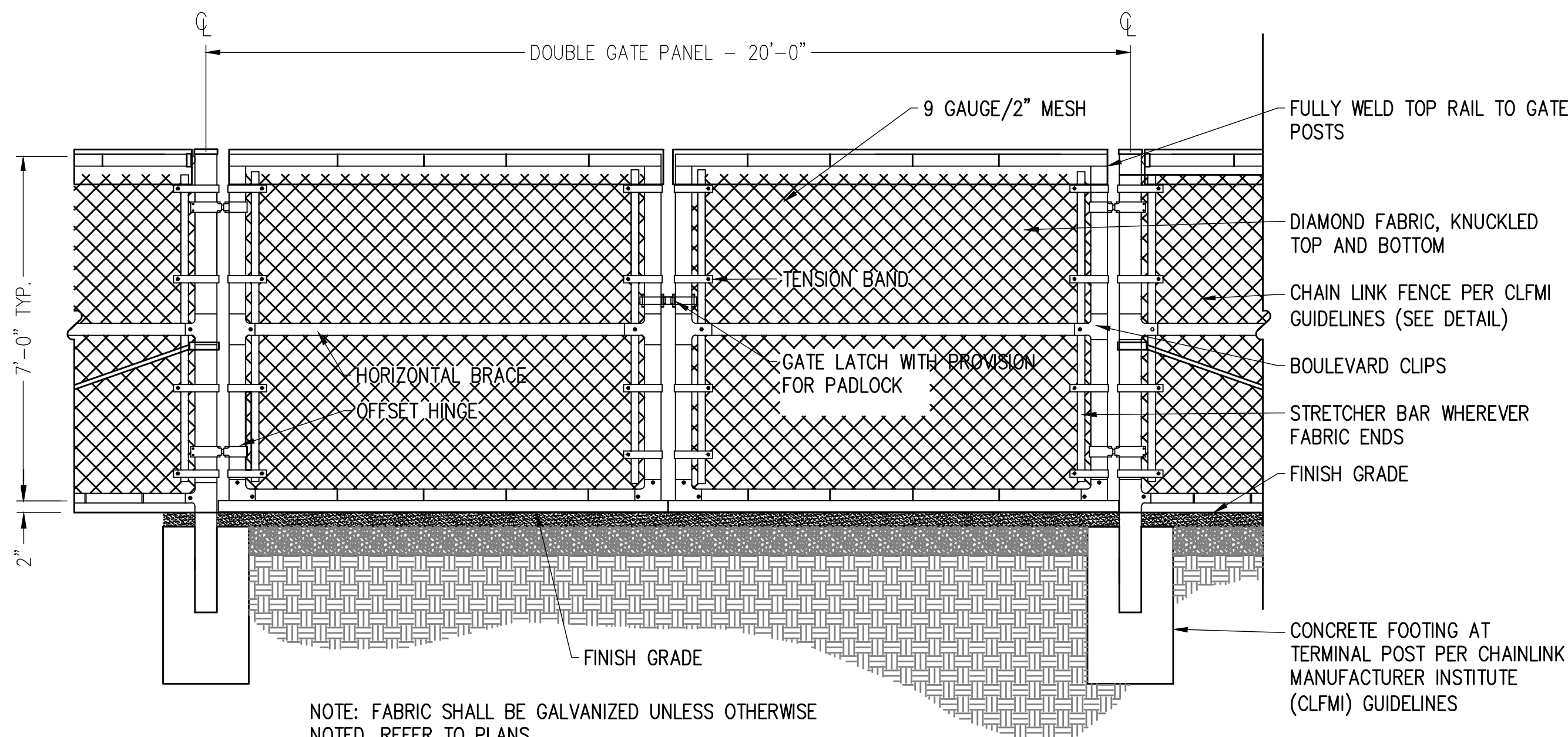
SCALE: NTS



- NOTES:
1. SUBCONTRACTOR SHALL EXCAVATE TO SUITABLE MATERIAL FOR SUBGRADE.
 2. SUBCONTRACTOR SHALL COMPACT SUBGRADE TO PROVIDE SUITABLE SURFACE TO PLACE ROAD. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION CRITERIA.
 3. SUBCONTRACTOR SHALL FOLLOW MANUFACTURER INSTALLATION PROCEDURES.
 4. WHERE OVERLAPPING OF GEOTEXTILE FABRIC IS REQUIRED, SUBCONTRACTOR SHALL OVERLAP A MINIMUM OF 24".
 5. SUBCONTRACTOR SHALL REMOVE TEMPORARY CONSTRUCTION ACCESS ROADS, AND RESTORE TO PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE CEOR AND THE GOVERNING AGENCIES.

1 GRAVEL ACCESS ROAD

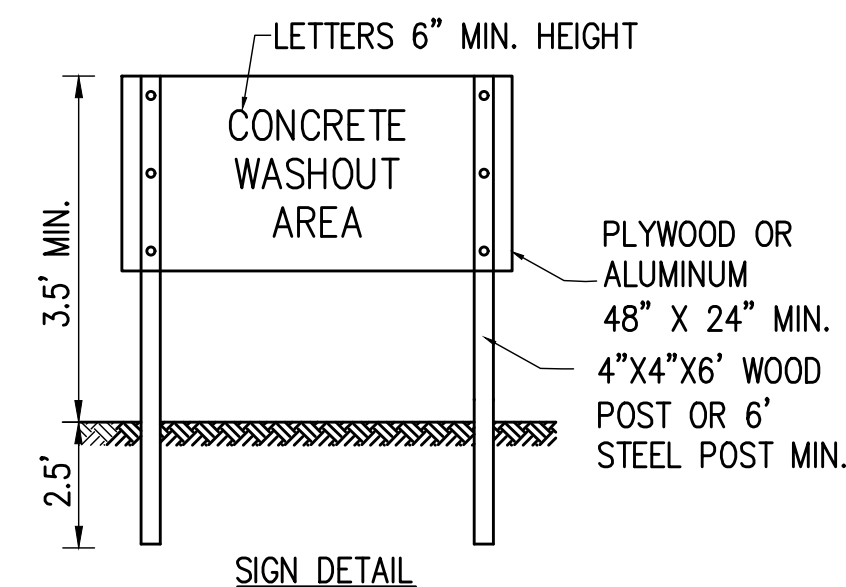
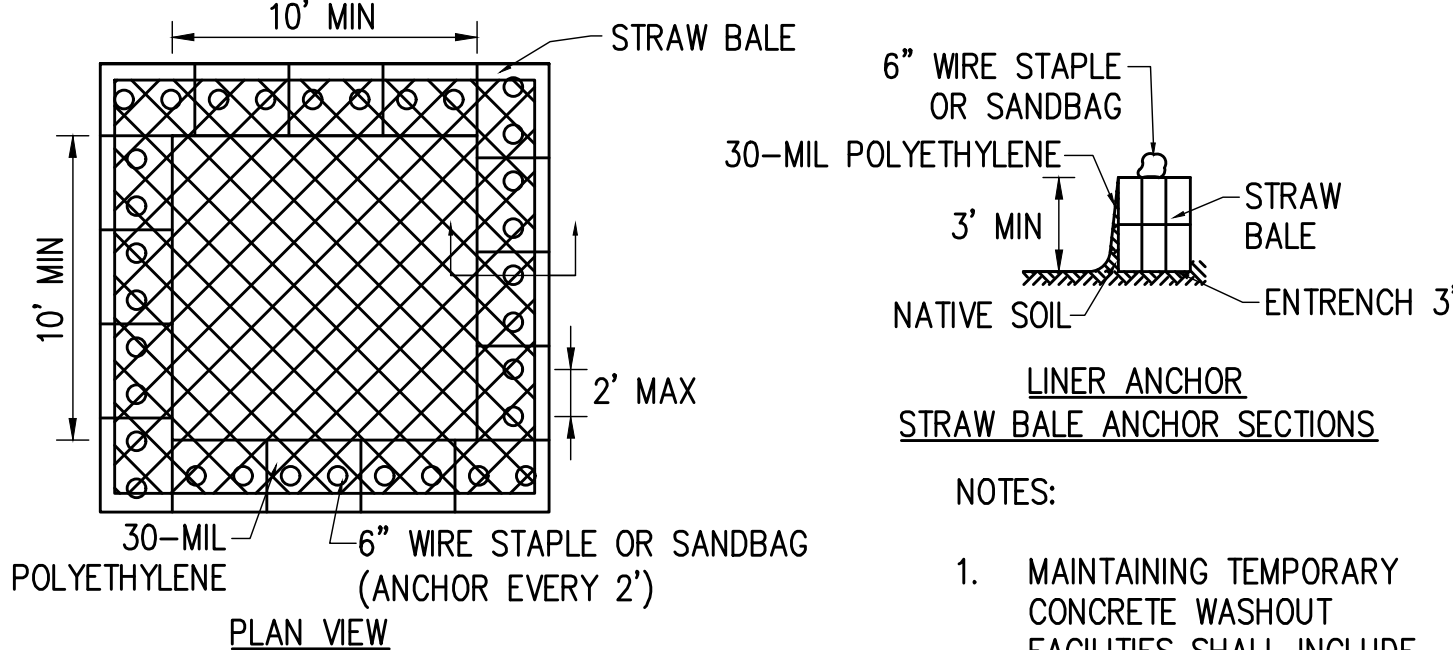
SCALE: NTS



NOTE: FABRIC SHALL BE GALVANIZED UNLESS OTHERWISE NOTED, REFER TO PLANS.

8 VEHICLE GATE

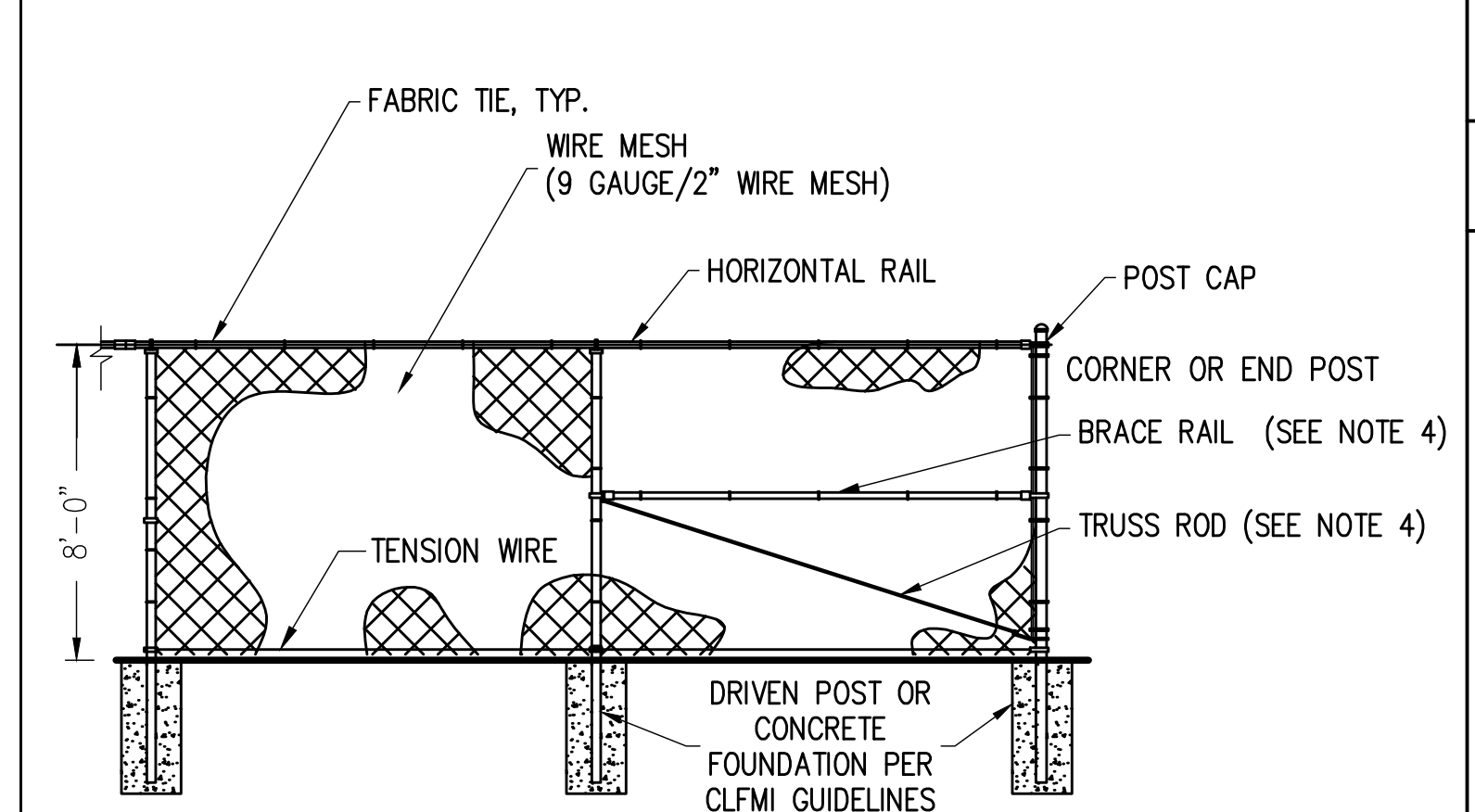
SCALE: NTS
XD_CIVIL_FENCE_VEHICLE_GATE_7 OR 8 07-25-2017



- NOTES:
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
 2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
 3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"x2"x4" WOODEN STAKES.

5 CONCRETE WASHOUT

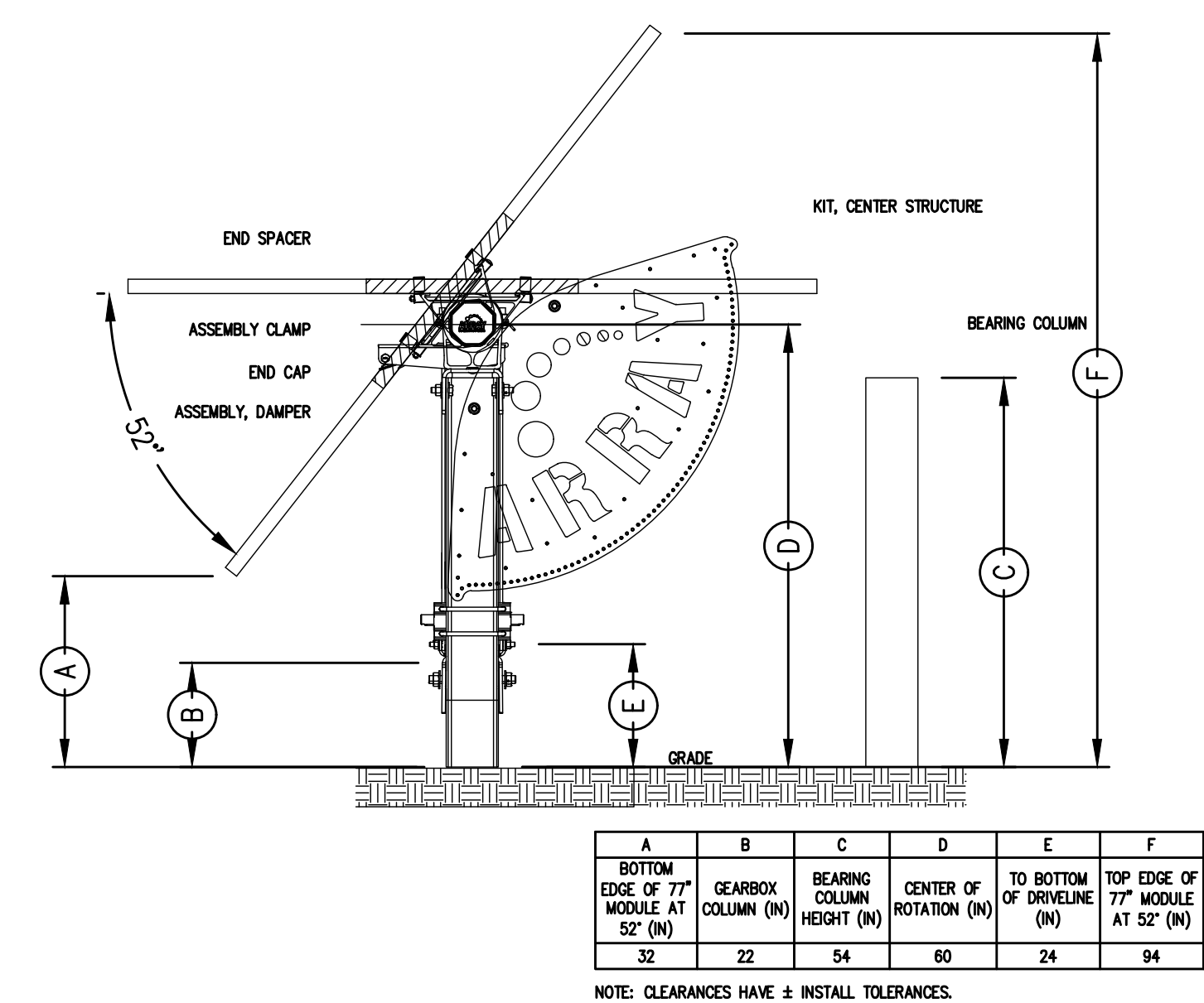
SCALE: NTS



- NOTES:
1. THE FENCE SHALL MEET OR EXCEED THE CHAIN LINK FENCE MANUFACTURER INSTITUTE (CLFMI) GUIDELINES AND RELATED FEDERAL SPECIFICATIONS FOR SECURITY CHAIN LINK FENCE MATERIALS AND INSTALLATION.
 2. ALL FENCE MATERIAL AND COMPONENTS SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.
 3. THIS DETAIL NOT APPLICABLE FOR PRIVACY FENCE OR FENCE WITH SLATS.
 4. ADJUSTABLE TRUSS ROD AND BRACE RAIL AT CORNER OR END POSTS ONLY, IF REQUIRED BY CLFMI GUIDELINES.

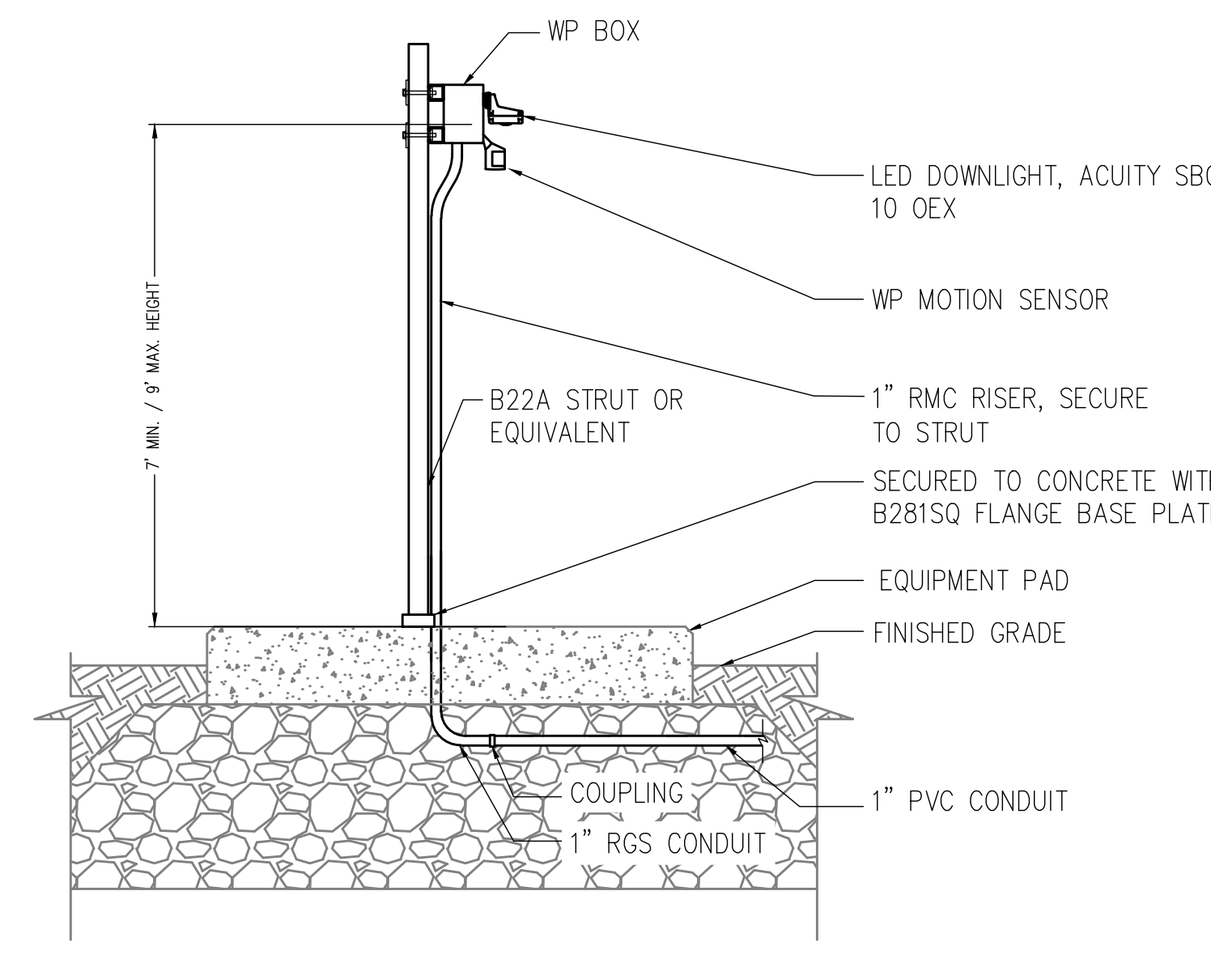
2 CHAIN LINK FENCE

SCALE: NTS



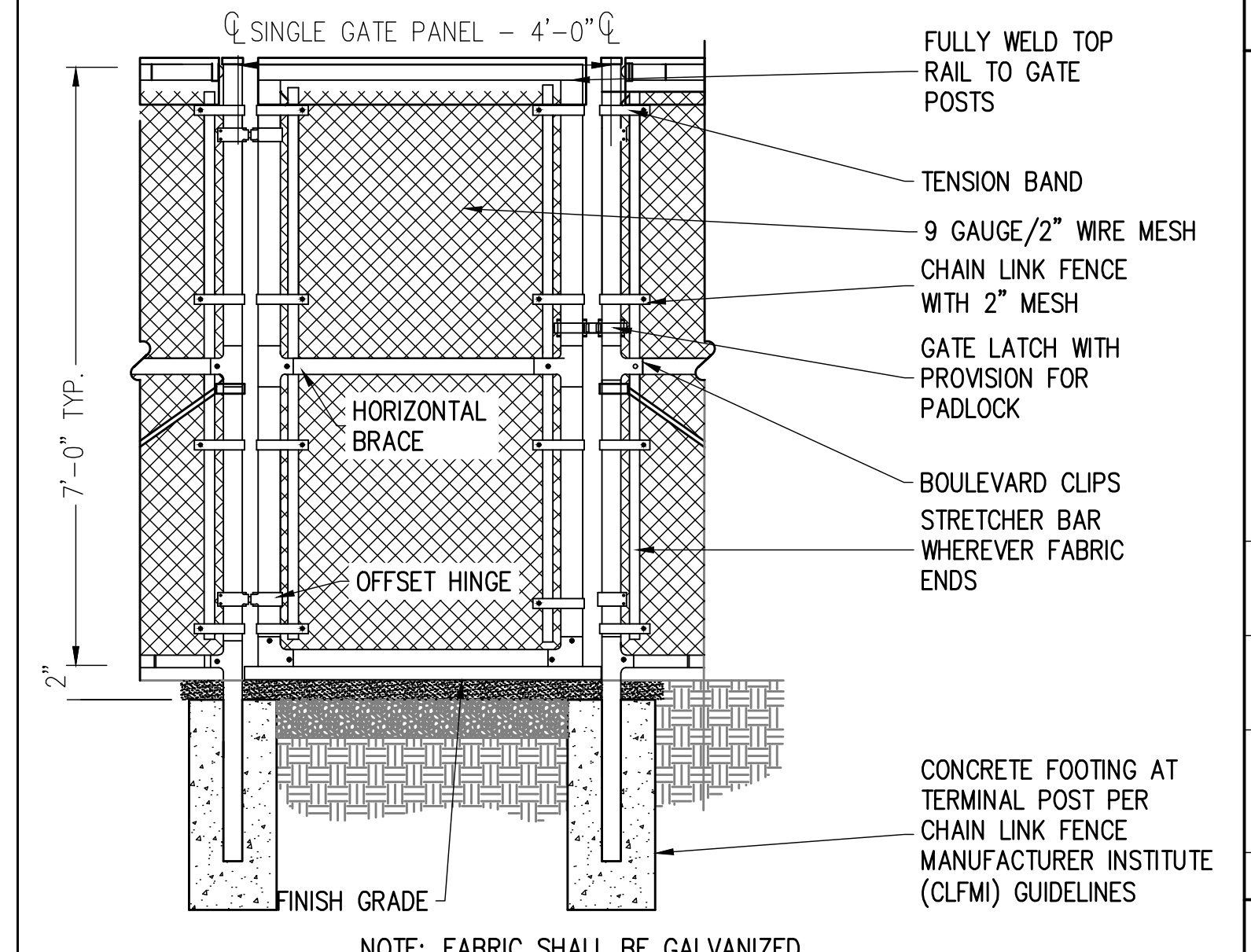
9 VERTICAL MOUNT MOTOR CLEARANCES

SCALE: N.T.S.
ATI
XD_STRUCT_ATL_ARRAY_ELEVATION 2016-02-15



6 LIGHTING MOUNTING - DOWNLIGHT

SCALE: NTS
XD_ELEC_LIGHT_MOUNTING-DOWNLIGHT 2016-06-22_PL



3 4' MAN GATE

SCALE: NTS
XD_CIVIL_SITE_CONSTRUCTION_4' WALK THROUGH GATE 07-25-2017

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SITE USE PERMIT DESIGN PACKAGE
0 DIETRICH RD
HAMPSHIRE IL, 60124

PROJECT NUMBER:
120-1303

REV	DATE	BY	CHKD	RELEASE LEVEL
06/12/24	RJQ	NB	SUP	

SCALE: 1/8" = 1'-0" (ARCH)
SCALE: 1/4" = 1'-0" (MECH)

C-5.0

CIVIL DETAILS