

SITE USE PERMIT SET

411 REYNOLDS RD, FULTONVILLE, NY 12072
5.0MW WIND PROJECT

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NOT FOR CONSTRUCTION

GENERAL NOTES	PROJECT SCOPE	LOCATION MAP	DRAWING LIST
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1. AS CONTAINED HEREIN, "CONTRACTOR" IS ASSUMED TO BE THE EPC PROVIDER HIRED BY THE SYSTEM/PROJECT OWNER.

2. WHEN THERE IS A CONFLICT BETWEEN THESE GENERAL NOTES AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.

3. 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.

4. THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING A CONSTRUCTION LEVEL DESIGN AND ASSOCIATED DRAWINGS AND DETAILS.

5. COORDINATE THESE DRAWINGS WITH SPECIFICATIONS AND MANUFACTURER INSTALLATION AND OPERATION MANUALS.

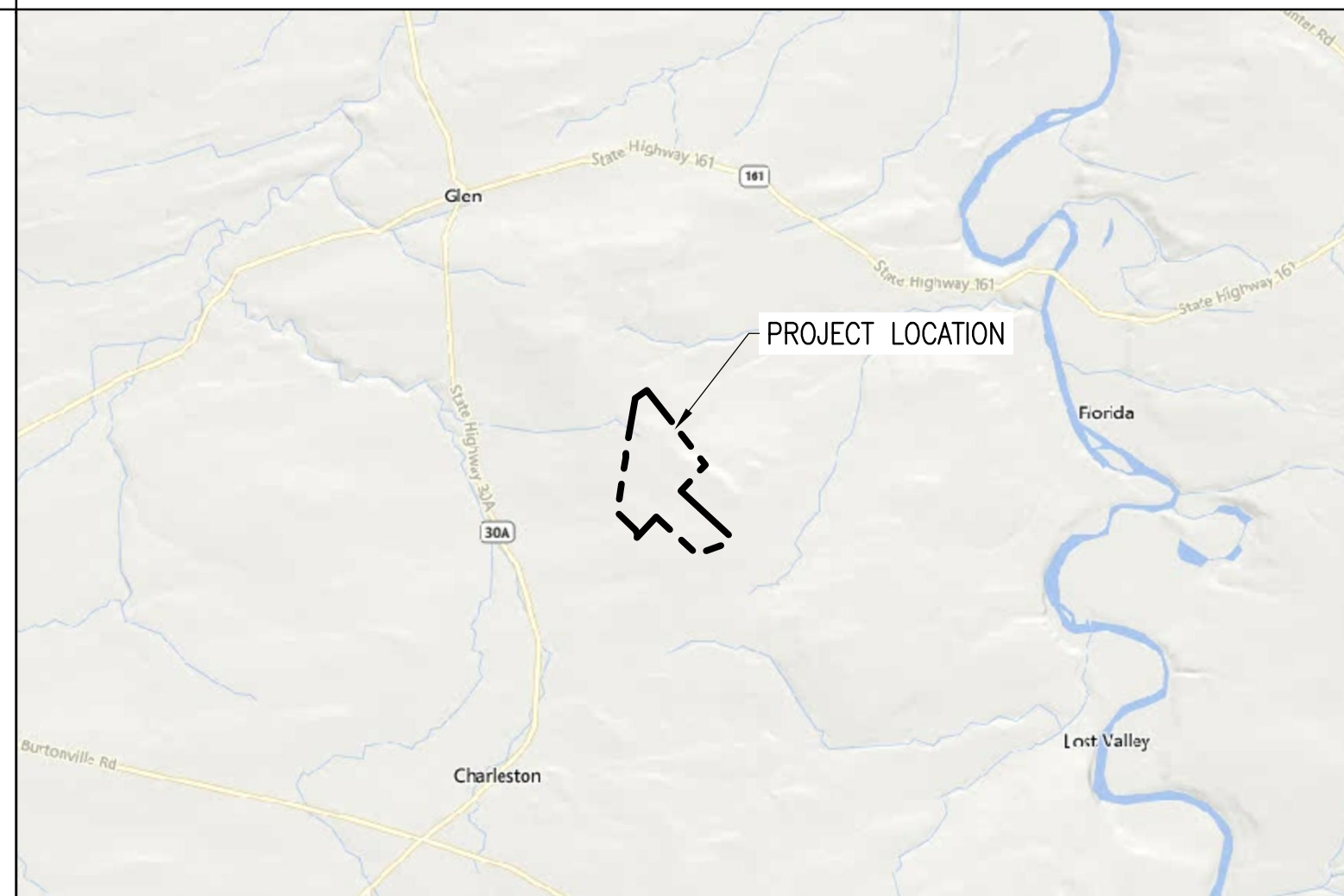
6. UNLESS OTHERWISE NOTED, THE DESIGN REPRESENTED ON THESE PLANS IS BASED ON THE INFORMATION AND CRITERIA LISTED IN THE "BASIS OF DESIGN" SECTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY SUCH INFORMATION IN PREPARATION OF THE CONSTRUCTION DESIGN.

7. 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.

8. UNLESS INDICATED AS EXISTING (E), ALL PROPOSED MATERIALS AND EQUIPMENT SHALL BE CONSIDERED TO BE NEW.

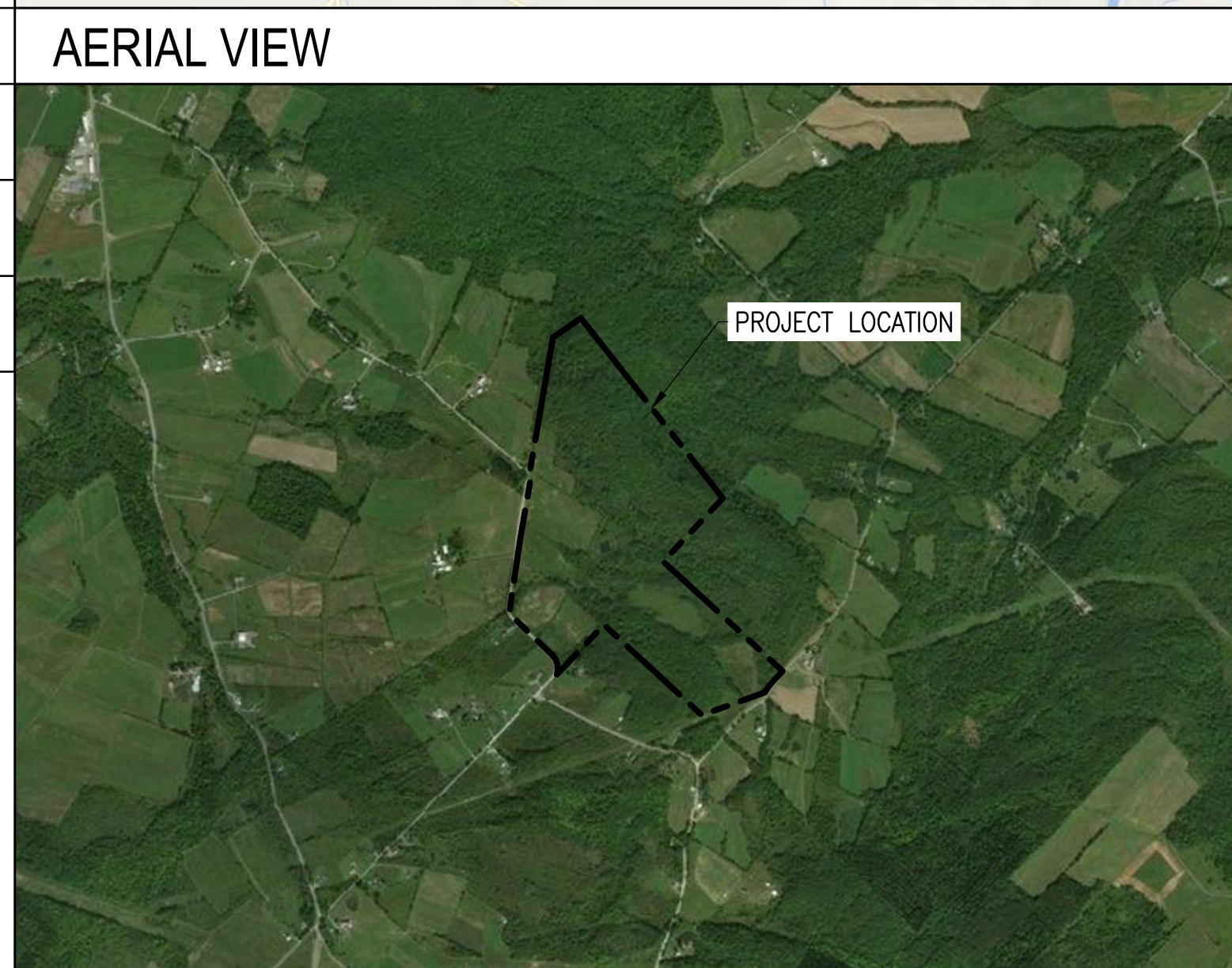
9. ALL EQUIPMENT AND COMPONENTS SHALL BE MOUNTED IN COMPLIANCE WITH THE MANUFACTURER'S REQUIREMENTS, CONSTRUCTION DETAILS, AND/OR PRUDENT INDUSTRY STANDARDS.

THE FACILITY IS A PROPOSED WIND-POWERED ELECTRIC GENERATION PROJECT CONSISTING OF ONE WIND TURBINE GENERATING UP TO 5 MEGAWATTS (MW) OF ELECTRICITY. THE PROJECT WILL INCLUDE A WIND TURBINE, ACCESS ROAD, ELECTRICAL COLLECTION LINES, AND TEMPORARY CONSTRUCTION STAGING AND STORAGE AREAS. THE PROJECT WILL BE INTERCONNECTED TO THE EXISTING ELECTRICAL SYSTEM UPON COMPLETION.



SHEET NUMBER	SHEET TITLE
T-1	TITLE PAGE
CIVIL	
C-0.0	CIVIL NOTES
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C-6.0	ACCESS ROAD PLAN
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C-7.1	ACCESS ROAD SECTIONS
C-8.0	CIVIL DETAILS NY
C-8.1	CIVIL DETAILS NY

SYSTEM DESCRIPTION			
PROJECT SIZE	5 MW	TURBINE MODEL	VESTAS V150
NUMBER OF TURBINES	1	ROTOR DIAMETER (FT)	493
HUB HEIGHT (FT)	394	TIP HEIGHT (FT)	650



2017 NATIONAL ELECTRICAL CODE
2020 BUILDING CODE OF NEW YORK STATE
UL-1741 - INVERTERS

PROJECT DIRECTORY

LAND OWNER / HOST
GLEN WIND 1, LLC

AUTHORITY HAVING JURISDICTION
TOWN OF GLEN
MONTGOMERY COUNTY, NY 12072

UTILITY
NGRID NY

CIVIL ENGINEER
FIRM: GHD CONSULTING SERVICES INC.
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ELECTRICAL ENGINEER
FIRM: BORREGO SOLAR SYSTEMS, INC
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DESIGN ENGINEER
FIRM: BORREGO SOLAR SYSTEMS, INC
CONTACT: MEGAN BELVAL
PHONE: 978-735-1946

GENERAL ABBREVIATIONS

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

REV 1.0

BASIS OF DESIGN

BOUNDARY & TOPOGRAPHIC SURVEY:
MASER CONSULTING
AUGUST 2021

WETLAND STREAM AND DELINEATION REPORT:
LABELLA ASSOCIATES
AUGUST 2021

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	12/15/21	BLS	BLS	SITE USE PERMIT SET

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

T-1

TITLE PAGE

PLAN SET
 411 REYNOLDS RD
 411 REYNOLDS RD, FULTONVILLE, NY 12072

PROJECT NUMBER:
XXX-XXXX

GENERAL CIVIL NOTES

APPROVALS

- SITE PLAN APPROVAL DATED MONTH DAY, 20____.
- SEQR NEGATIVE DECLARATION DATED MONTH DAY, 20____.

GENERAL NOTES

- EXISTING CONDITIONS SURVEY INFORMATION WAS PREPARED BY COLLIERS ENGINEERING & DESIGN PERFORMED ON 08/09/21. BASIS OF BEARING IS NEW YORK STATE PLANE COORDINATE SYSTEM EASTZONE. CONTROL WAS ESTABLISHED USING NYSNET. THE HORIZONTAL DATUM IS RELATIVE TO NAD83. THE VERTICAL POSITION OF THE HEREIN SURVEY IS BASED ON THE NYSNET RTKGPS NETWORK AND IS SUBJECT TO FURTHER ADJUSTMENT TO ANY LOCAL NGSBENCHMARKS. THE VERTICAL DATUM IS RELATIVE TO NAVD 1988.
- 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 SAFELY NEW YORK TICKET NUMBER INDICATING ALL EXISTING UTILITIES HAVE BEEN LOCATED AND MARKED SHALL BE OBTAINED PRIOR TO COMMENCING WORK. CONTACT "DIG SAFELY NEW YORK" AT 1-800-962-7962 AND PROVIDE 72 HOURS NOTICE TO RECEIVE A TICKET NUMBER.
- 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.
- THE SUBCONTRACTORS SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT TO THE CONTRACTOR.
- TOWN APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES.
- SUBCONTRACTOR(S) SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL CONSTRUCTION DOCUMENTS, SPECIFICATIONS, AND SITE CONDITIONS PRIOR TO BIDDING AND PRIOR TO CONSTRUCTION.
- 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.
- 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.
- WIND TURBINE SHALL BE WHITE IN COLOR.
- ALL EQUIPMENT SHALL MEET STANDARDS OF THE INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC)

SITE PREPARATION NOTES

- NO TOPSOIL WILL BE ALLOWED TO LEAVE THE PROPERTY. EXCESS TOPSOIL SHALL BE DISTRIBUTED INTO A THIN LAYER ON LAND IMMEDIATELY ADJACENT TO WHERE THE TOPSOIL ORIGINATED.
- 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.
- SEASONAL TREE CLEARING RESTRICTIONS MAY BE REQUIRED FOR ENDANGERED SPECIES PROTECTION. THE CONTRACTOR SHALL REFER TO THE TREE CLEARING PLAN FOR ANY RESTRICTIONS.
- 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).
- THE SUBCONTRACTOR(S) SHALL BE RESPONSIBLE FOR COORDINATING THEIR EFFORTS WITH ALL TRADES.
- THE SUBCONTRACTOR(S) SHALL COORDINATE ALL ADJUSTMENT OR ABANDONMENT OF UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.

EROSION AND SEDIMENT CONTROL MEASURES

- A SPDES PERMIT SHALL BE IN PLACE PRIOR TO COMMENCING ANY EARTH DISTURBANCE.
- 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.
- SEDIMENT BARRIERS SHALL BE INSPECTED AND APPROVED BY THE TOWN OF GLEN OR THEIR REPRESENTATIVE AND THE CONTRACTOR/CEOR BEFORE CONSTRUCTION BEGINS.
- STRAW BALES AND MULCH SHALL BE MOWINGS OF ACCEPTABLE HERBACEOUS GROWTH, FREE OF NOXIOUS WEEDS OR WOODY STEMS, AND SHALL BE DRY WHEN INSTALLED.
- 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.
- 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.
- SEDIMENT BARRIERS SHALL BE CONSTRUCTED AROUND ALL SOIL STOCKPILE AREAS.
- CLEAN OUT PROJECT DRAINAGE FEATURES AND STRUCTURES (I.E. CULVERTS, BASINS, SWALES, ETC.) AFTER COMPLETION OF CONSTRUCTION.
- SEDIMENT COLLECTED BY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE USED ON-SITE AS BACKFILL OR GRADING AS APPROPRIATED OR REMOVED FROM SITE ALONG WITH ESC MEASURES WHEN SITE STABILIZATION IS ACHIEVED.
- AFTER ALL DISTURBED AREAS HAVE BEEN FULLY STABILIZED, THE SUBCONTRACTOR(S) SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AT THE CONTRACTOR/CEOR DIRECTION.
- AFTER THE REMOVAL OF TEMPORARY EROSION CONTROL MEASURES, THE SUBCONTRACTOR(S) SHALL GRADE AND SEED AREA OF TEMPORARY EROSION CONTROL MEASURE.
- DAMAGED OR DETERIORATED EROSION AND SEDIMENT CONTROL ITEMS WILL BE REPAIRED IMMEDIATELY AFTER IDENTIFICATION OR AS DIRECTED BY THE CONTRACTOR/CEOR.

- THE TRAINED CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROL PRACTICES AND POLLUTION PREVENTION MEASURES BEING IMPLEMENTED WITHIN THE ACTIVE WORK AREA DAILY TO ENSURE THAT THEY ARE BEING MAINTAINED IN EFFECTIVE OPERATING CONDITION AT ALL TIMES. IF DEFICIENCIES ARE IDENTIFIED, THE CONTRACTOR SHALL BEGIN IMPLEMENTING CORRECTIVE ACTIONS WITHIN ONE BUSINESS DAY AND SHALL COMPLETE THE CORRECTIVE ACTIONS IN A REASONABLE TIME FRAME.
- THE OWNER/OPERATOR SHALL HAVE THE QUALIFIED INSPECTOR CONDUCT INSPECTIONS ONCE EVERY SEVEN CALENDAR DAYS FOR SITE DISTURBANCES LESS THAN FIVE ACRES. FOR SITES WHICH HAVE RECEIVED AUTHORIZATION FROM NYSDEC TO DISTURB FIVE ACRES OR MORE, THE QUALIFIED INSPECTOR SHALL CONDUCT INSPECTIONS TWICE EVERY SEVEN CALENDAR DAYS WITH NO LESS THAN TWO DAYS SEPARATING THE INSPECTIONS.
- PIPE OUTLETS (IF ANY) SHALL BE STABILIZED WITH STONE. REFER TO DETAILS.
- WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE DISCHARGED TO AN APPROPRIATE SEDIMENT TRAPPING DEVICE.
- WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION/SEDIMENTATION CONTROL MEASURES MAY BE REQUIRED BY CONTRACTOR/CEOR.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT DUST FROM FORMING.
- 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 SPDES PERMIT AND STORMWATER POLLUTION PREVENTION PLAN.
- A CONCRETE WASH OUT AREA SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS.

LAYOUT AND MATERIAL NOTES

- THE CONTRACTOR SHALL HAVE SITE FEATURES STAKED OUT BY A LICENSED LAND SURVEYOR PRIOR TO ANY INSTALLATION OF RACKING OR TRENCHES.
- EXCESS TRENCH MATERIAL SHALL BE PLACED ON THE SIDES OF THE TRENCH AND PLACED AT OR NEAR THE SAME LOCATION AS WHERE EXCAVATED. AFTER TRENCH HAS BEEN BACKFILLED TOPSOIL REMOVED SHALL BE PLACED ON TOP AND LIGHTLY COMPACTED.
- SUBCONTRACTOR SHALL INSTALL CONDUITS FOR ALL ELECTRIC CONDUIT CROSSINGS PRIOR TO INSTALLATION OF ROADWAY SUBBASE.

GRADING NOTES

- 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.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL TURBINE FOUNDATIONS, PUBLIC ROADWAYS, AND WORK AREAS.
- THE ELEVATIONS SHOWN ON THESE DRAWINGS ARE TO BE CONSIDERED GUIDANCE AND SHOULD BE ADJUSTED TO FIT ACTUAL FIELD CONDITIONS DURING CONSTRUCTION. THE CONTRACTOR SHALL USE JUDGEMENT WHEN ESTABLISHING CONSTRUCTION GRADES AND ELEVATIONS.
- THE FINISHED SURFACE OF CRANE PAD SHALL NOT SLOPE MORE THAN 1% IN ANY DIRECTION. THE CRANE PAD SHALL BE CONSTRUCTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- CONTRACTOR SHALL FIELD VERIFY THE LENGTHS OF ALL PIPE CULVERTS TO BE REMOVED AND INSTALLED PRIOR TO ORDERING THE PIPE.
- THE CONTRACTOR SHALL BE REQUIRED TO RELOCATE OR TO REMOVE AND RE-INSTALL ALL ROAD SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ALL OTHER EXISTING ROW MARKERS AND/OR PROPERTY PINS SHALL BE MAINTAINED OR REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH NEW YORK LAW.

NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS GUIDELINES FOR AGRICULTURAL MITIGATION FOR WIND POWER PROJECTS

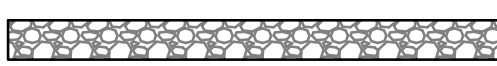
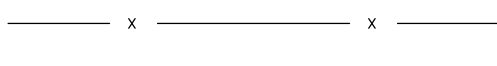

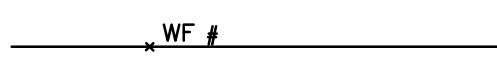
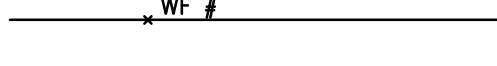

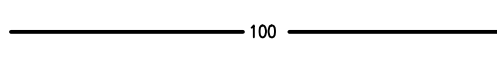
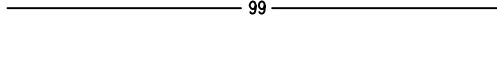




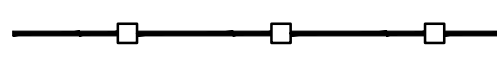




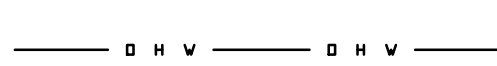
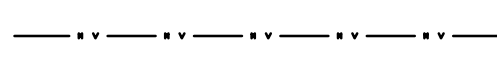
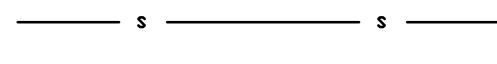
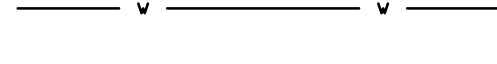

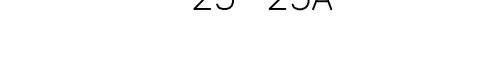



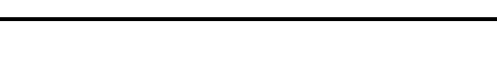

- THE FOLLOWING GUIDELINES SHALL APPLY TO CONSTRUCTION AREAS FOR WIND POWER CONSTRUCTION PROJECTS IMPACTING AGRICULTURAL LAND. THE PROJECT SPONSOR SHALL COORDINATE WITH THE NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS (AG. AND MARKETS) TO DEVELOP AN APPROPRIATE SCHEDULE FOR INSPECTIONS TO ASSURE THAT THE GOALS OF THESE GUIDELINES ARE BEING MET. THE PROJECT SPONSOR SHALL HIRE AN ENVIRONMENTAL MONITOR TO OVERSEE THE CONSTRUCTION AND RESTORATION IN AGRICULTURAL FIELDS. THE ENVIRONMENTAL MONITOR SHALL BE ON SITE WHENEVER CONSTRUCTION OR RESTORATION WORK IS OCCURRING ON AGRICULTURAL LAND. THE ENVIRONMENTAL MONITOR SHALL MAINTAIN REGULAR CONTACT WITH THE AFFECTED FARMERS AND AG. AND MARKETS CONCERNING FARM RESOURCES AND MANAGEMENT MATTERS PERTINENT TO THE AGRICULTURAL OPERATIONS AND THE SITE-SPECIFIC IMPLEMENTATION OF THE CONSTRUCTION AND RESTORATION GUIDELINES.
- ALL AGRICULTURAL AREAS SHALL BE RESTORED IN ACCORDANCE WITH DEPARTMENT OF AGRICULTURE AND MARKETS GUIDELINES FOR WIND ENERGY PROJECTS.

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

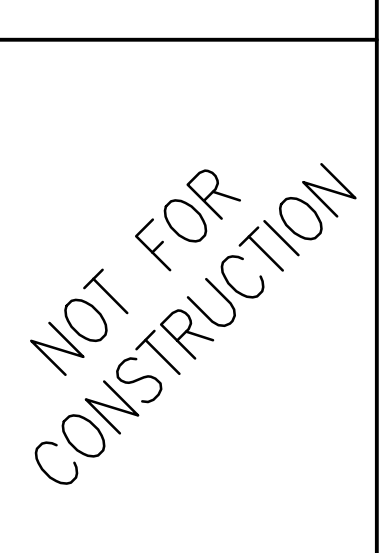
LEGEND

-  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
-  100' WETLAND BUFFER ZONE
-  200' RIVERFRONT AREA
-  100-YEAR FLOOD LINE
-  WATER RESOURCE OVERLAY DISTRICT
-  TREELINE
-  STONE WALL
-  SILT FENCE
-  SILT FENCE WITH STEEL POSTS
-  LIMITS OF WORK
-  SWALE
-  DRAIN PIPE
-  ELECTRICAL TRENCH
-  OVERHEAD ELECTRIC
-  UNDERGROUND MV CONDUIT
-  SEWER LINE
-  WATER LINE
-  GAS MAIN
-  ASSESSORS MAP-LOT
- TREE CLEARING LIMITS

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IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER ANY DOCUMENT WHICH BEARS THE SEAL OF A PROFESSIONAL ENGINEER, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

PLAN SET
411 REYNOLDS RD
411 REYNOLDS RD, FULTONVILLE, NY 12072

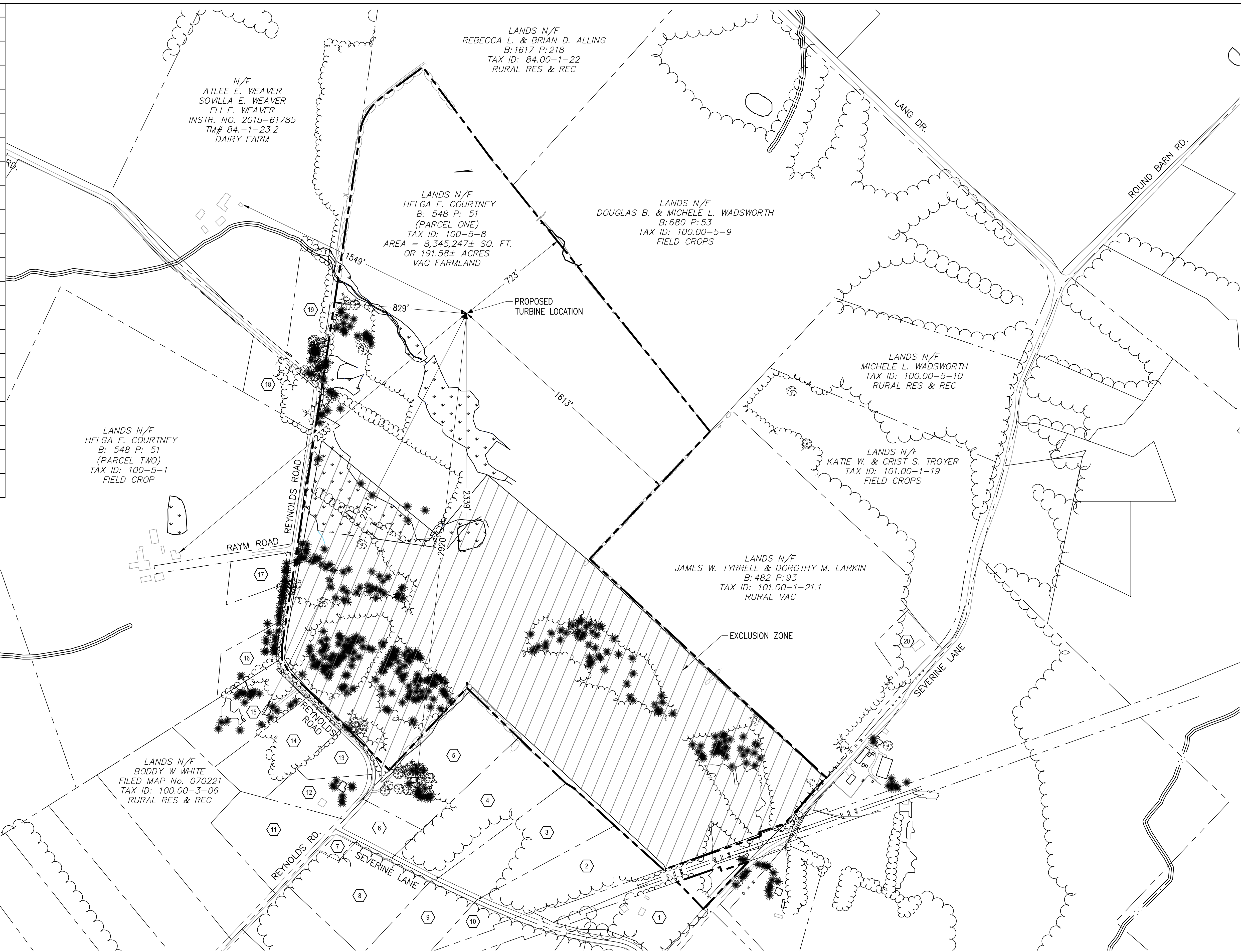
PROJECT NUMBER:
XXX-XXXX

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL	SITE USE	PERMIT SET
	12/15/21	BLS	BLS			

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

C-0.0
CIVIL NOTES

PARCEL TABLE		
1	LANDS N/F DARREN J McGUIRK FILED MAP No. 070221 TAX ID: 100.00-3-17	1 FAMILY RES
2	LANDS N/F GLAUIDA & DAVID GONZALEZ FILED MAP No. 070221 TAX ID: 100.00-3-16	RURAL VAC
3	LANDS N/F JOHN-MICHAEL P & SUSAN K. KOTOWCZ FILED MAP No. 070221 TAX ID: 100.00-3-15	RURAL VAC
4	LANDS N/F JANET ORTOLANI FILED MAP No. 070221 TAX ID: 100.00-3-14	1 FAMILY RES
5	LANDS N/F BODDY W. & MELINDA D. WHITE FILED MAP No. 070221 TAX ID: 100.00-3-12	1 FAMILY RES
6	LANDS N/F BODDY W WHITE & MELINDA D. WHITE FILED MAP No. 070221 TAX ID: 100.00-3-13	RURAL VAC
7	LANDS N/F LESTER CHASE FILED MAP No. 070221 TAX ID: 100.00-3-23	RES VAC LAND
8	LANDS N/F GALE FIELDMAN FILED MAP No. 070221 TAX ID: 100.00-3-24	RURAL VAC
9	LANDS N/F GALE FIELDMAN FILED MAP No. 070221 TAX ID: 100.00-3-22	RURAL VAC
10	LANDS N/F ARTHUR BIRNBAUM FILED MAP No. 070221 TAX ID: 100.00-3-21	RURAL VAC
11	LANDS N/F U.S. BANK TRUST N.A. ETC FILED MAP No. 070221 TAX ID: 100.00-3-07	1 FAMILY RES
12	LANDS N/F MICHAEL AUGUSTINE FILED MAP No. 070221 TAX ID: 100.00-3-08	1 FAMILY RES
13	LANDS N/F MICHAEL AUGUSTINE FILED MAP No. 070221 TAX ID: 100.00-3-09	RURAL VAC
14	LANDS N/F DEENA M. FOLSOM & MICHAEL A. FILARDI FILED MAP No. 070221 TAX ID: 100.00-3-10	RURAL VAC
15	LANDS N/F ALICIA J. MCGANN FILED MAP No. 070221 TAX ID: 100.00-3-11	1 FAMILY RES
16	LANDS N/F KRISTEN J COURTNEY TAX ID: 100.00-5-7	VAC FARMLAND
17	LANDS N/F STEPHEN J. COURTNEY TAX ID: 100.00-5-5	VAC FARMLAND
18	LANDS N/F ALVAH NEWTON DE YOUNG TAX ID: 100.00-1-14	RURAL VAC
19	LANDS N/F ALVAH N. DE YOUNG B: 676 P: 60 TAX ID: 84.00-1-23.1	VAC FARMLAND
20	LANDS N/F JOSEPH & ANN MARIE LAGACE CARPENTER TAX ID: 101.00-1-21.2	1 FAMILY RES



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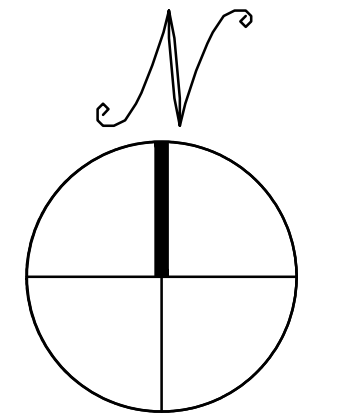
PLAN SET
411 REYNOLDS RD
411 REYNOLDS RD, FULTONVILLE, NY 12072

PROJECT NUMBER:
XXX-XXXX

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	12/15/21	BLS	BLS	SITE USE PERMIT SET

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C-1.0
EXISTING CONDITIONS PLAN

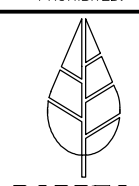


EXISTING CONDITIONS PLAN

SCALE: 1" = 300'



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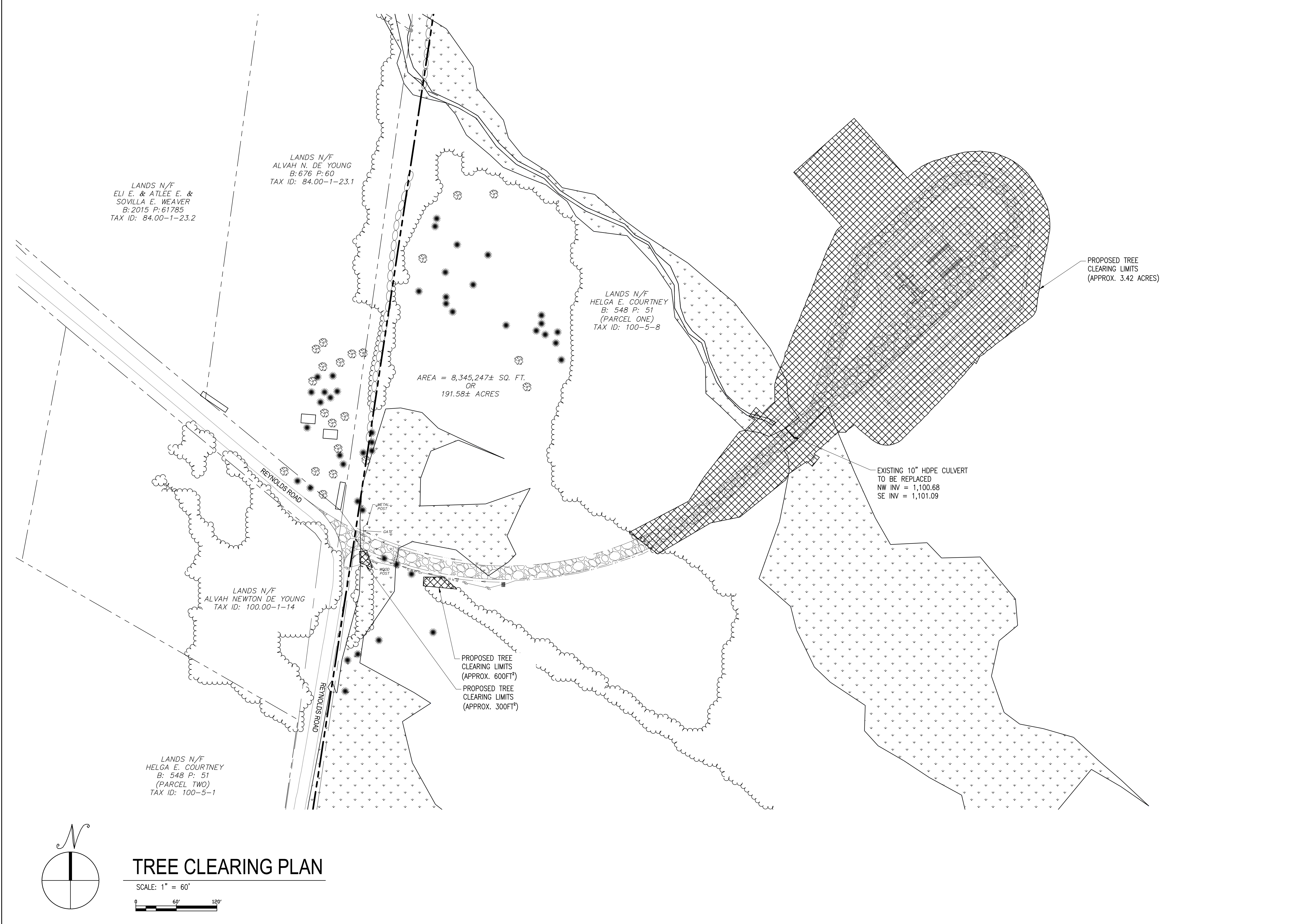
PLAN SET
 411 REYNOLDS RD
 411 REYNOLDS RD, FULTONVILLE, NY 12072

PROJECT NUMBER:
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REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
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SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

C-2.0
 TREE CLEARING PLAN



TREE CLEARING PLAN

SCALE: 1" = 60'
 0 60' 120'

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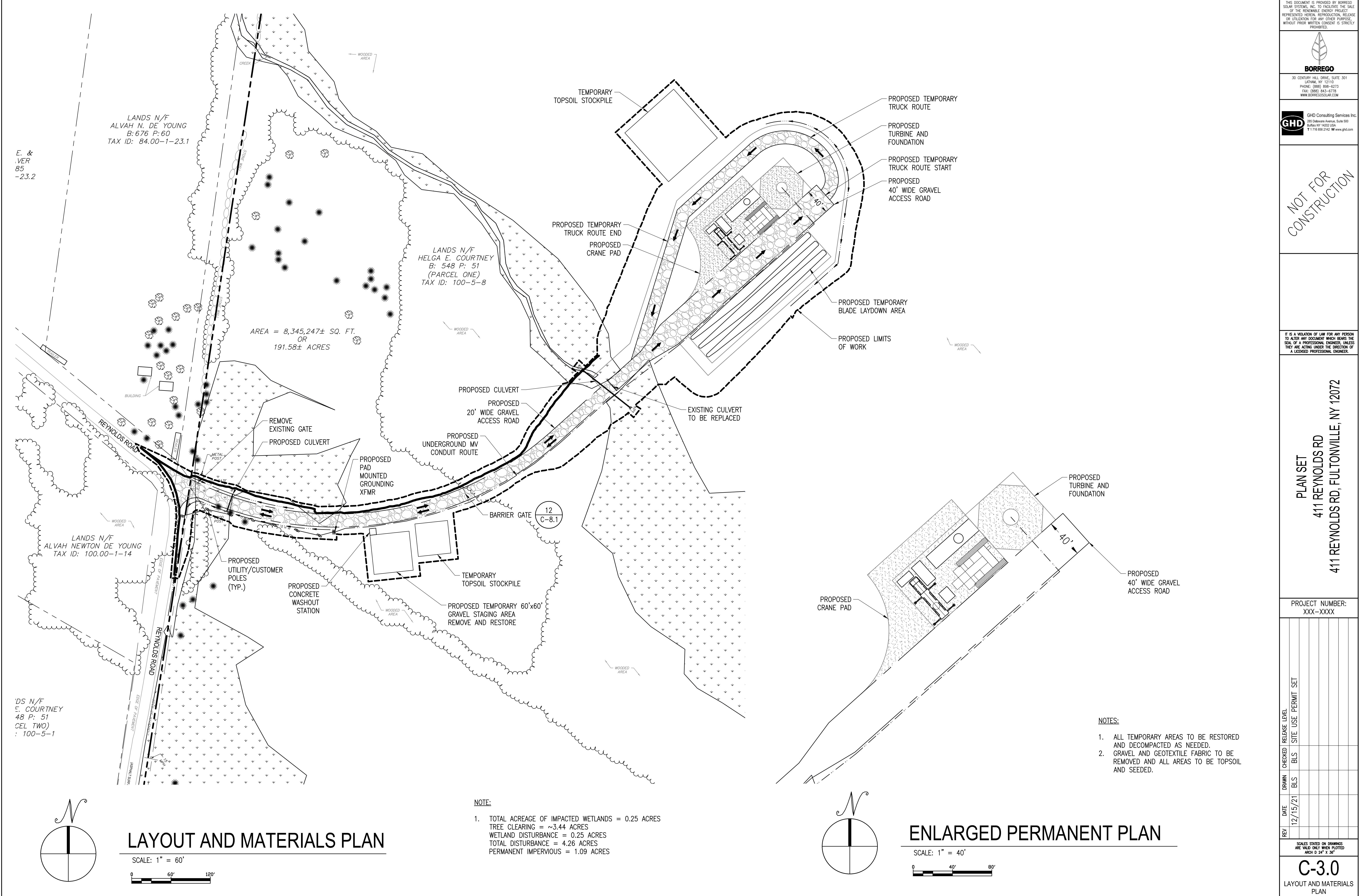
PLAN SET
 411 REYNOLDS RD
 411 REYNOLDS RD, FULTONVILLE, NY 12072

PROJECT NUMBER:
 XXX-XXXX

REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
	12/15/21	BLS	BLS	SITE USE PERMIT SET

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

C-3.0
 LAYOUT AND MATERIALS PLAN



E. &
 .VER
 85
 -23.2

LANDS N/F
 ALVAH N. DE YOUNG
 B: 676 P: 60
 TAX ID: 84.00-1-23.1

LANDS N/F
 HELGA E. COURTNEY
 B: 548 P: 51
 (PARCEL ONE)
 TAX ID: 100-5-8

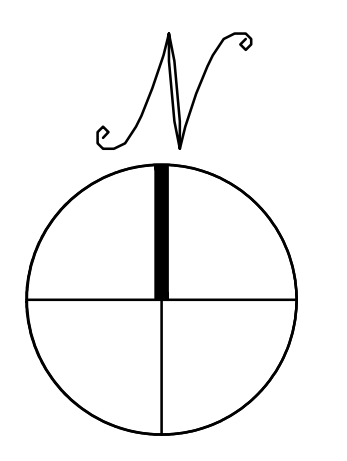
AREA = 8,345,247± SQ. FT.
 OR
 191.58± ACRES

LANDS N/F
 ALVAH NEWTON DE YOUNG
 TAX ID: 100.00-1-14

DS N/F
 E. COURTNEY
 48 P: 51
 (CEL TWO)
 : 100-5-1

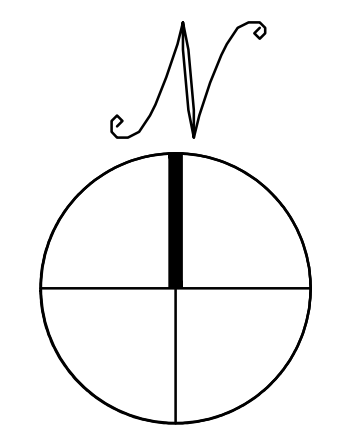
- NOTE:**
- TOTAL ACREAGE OF IMPACTED WETLANDS = 0.25 ACRES
 TREE CLEARING = ~3.44 ACRES
 WETLAND DISTURBANCE = 0.25 ACRES
 TOTAL DISTURBANCE = 4.26 ACRES
 PERMANENT IMPERVIOUS = 1.09 ACRES

- NOTES:**
- ALL TEMPORARY AREAS TO BE RESTORED AND DECOMPACTED AS NEEDED.
 - GRAVEL AND GEOTEXTILE FABRIC TO BE REMOVED AND ALL AREAS TO BE TOPSOIL AND SEEDED.



LAYOUT AND MATERIALS PLAN

SCALE: 1" = 60'
 0 60' 120'



ENLARGED PERMANENT PLAN

SCALE: 1" = 40'
 0 40' 80'

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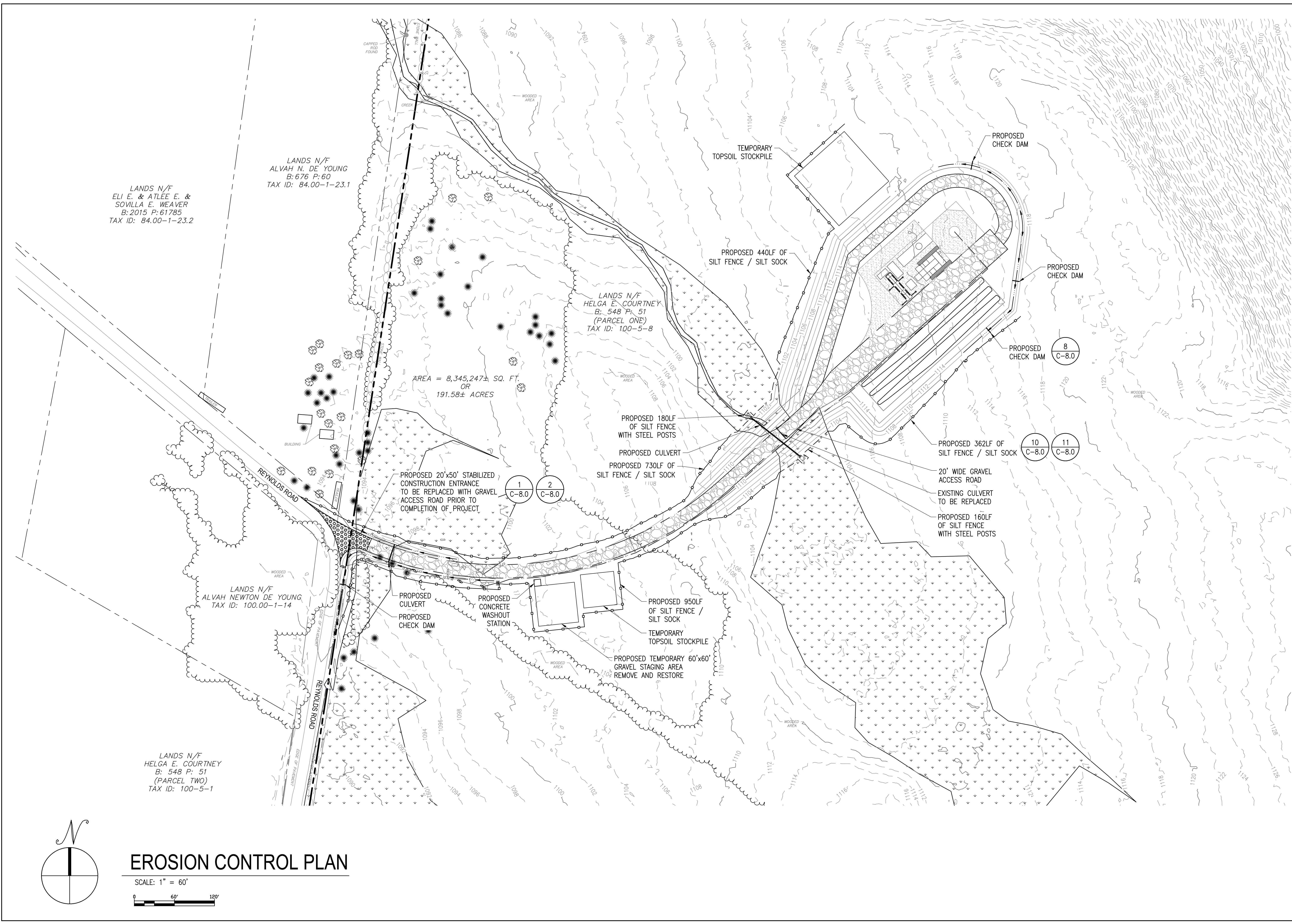
PLAN SET
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PROJECT NUMBER:
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REV	DATE	DRAWN	CHECKED	RELEASE LEVEL
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C-4.0
 EROSION CONTROL PLAN



LANDS N/F
 ELI E. & ATLEE E. &
 SOVILLA E. WEAVER
 B: 2015 P: 61785
 TAX ID: 84.00-1-23.2

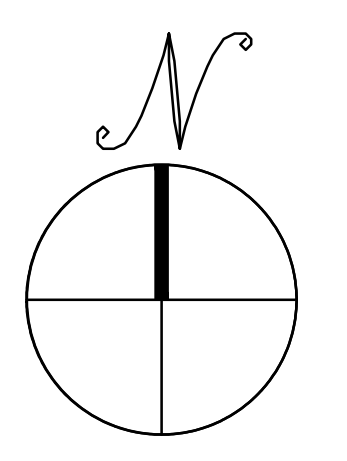
LANDS N/F
 ALVAH N. DE YOUNG
 B: 676 P: 60
 TAX ID: 84.00-1-23.1

LANDS N/F
 HELGA E. COURTNEY
 B: 548 P: 51
 (PARCEL ONE)
 TAX ID: 100-5-8

AREA = 8,345,247± SQ. FT.
 OR
 191.58± ACRES

LANDS N/F
 ALVAH NEWTON DE YOUNG
 TAX ID: 100.00-1-14

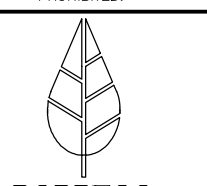
LANDS N/F
 HELGA E. COURTNEY
 B: 548 P: 51
 (PARCEL TWO)
 TAX ID: 100-5-1



EROSION CONTROL PLAN

SCALE: 1" = 60'

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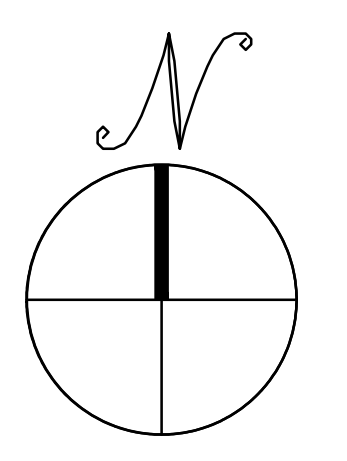
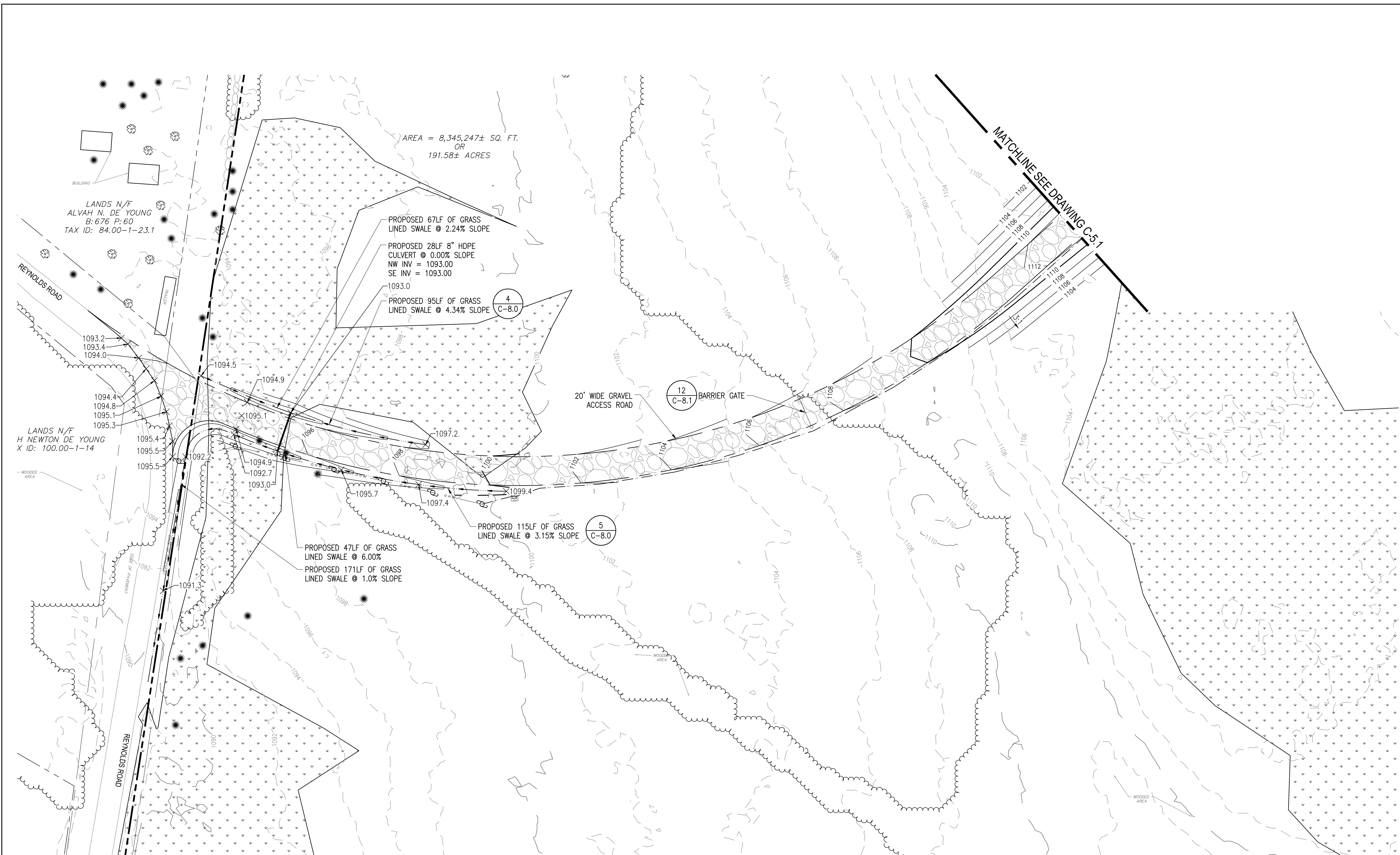
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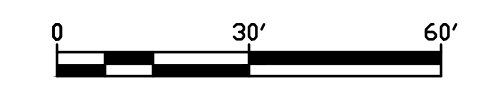
SCALES STATED ON DRAWINGS ARE VALID ONLY WHEN PLOTTED ARCH D 24" X 36"

C-5.0
 GRADING AND DRAINAGE PLAN



GRADING AND DRAINAGE PLAN

SCALE: 1" = 30'



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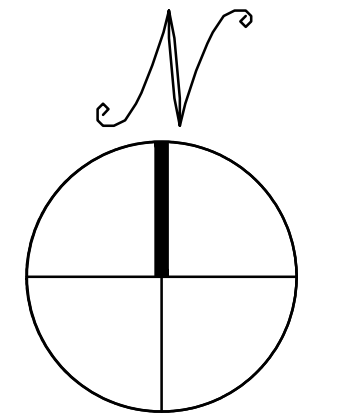
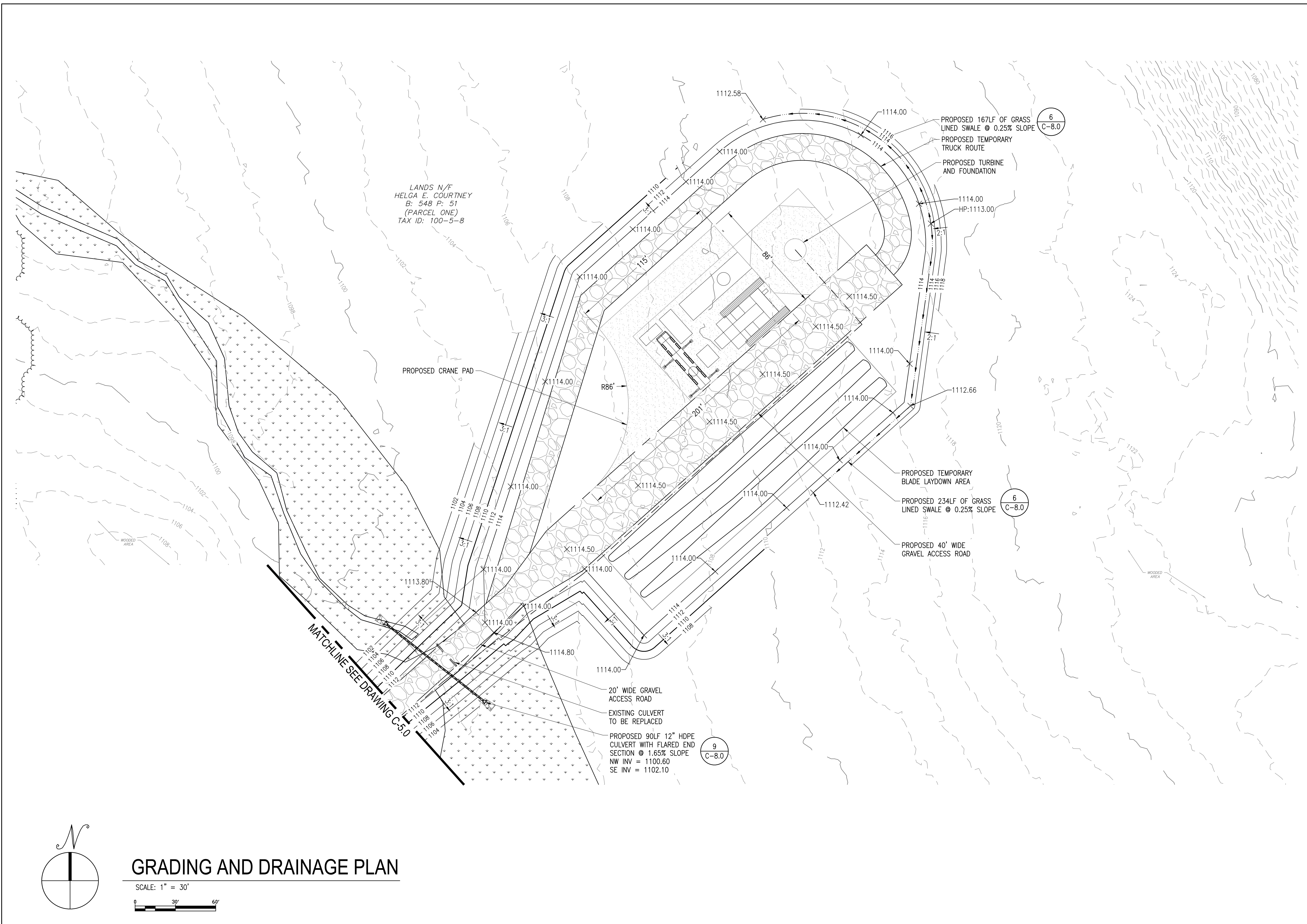
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C-5.1
 GRADING AND DRAINAGE PLAN



GRADING AND DRAINAGE PLAN

SCALE: 1" = 30'
 0 30' 60'

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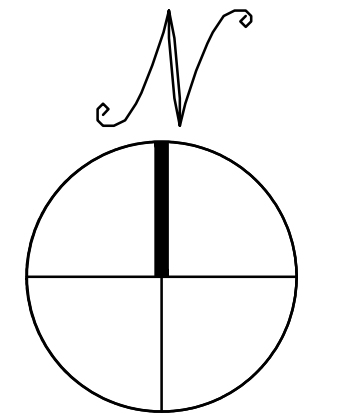
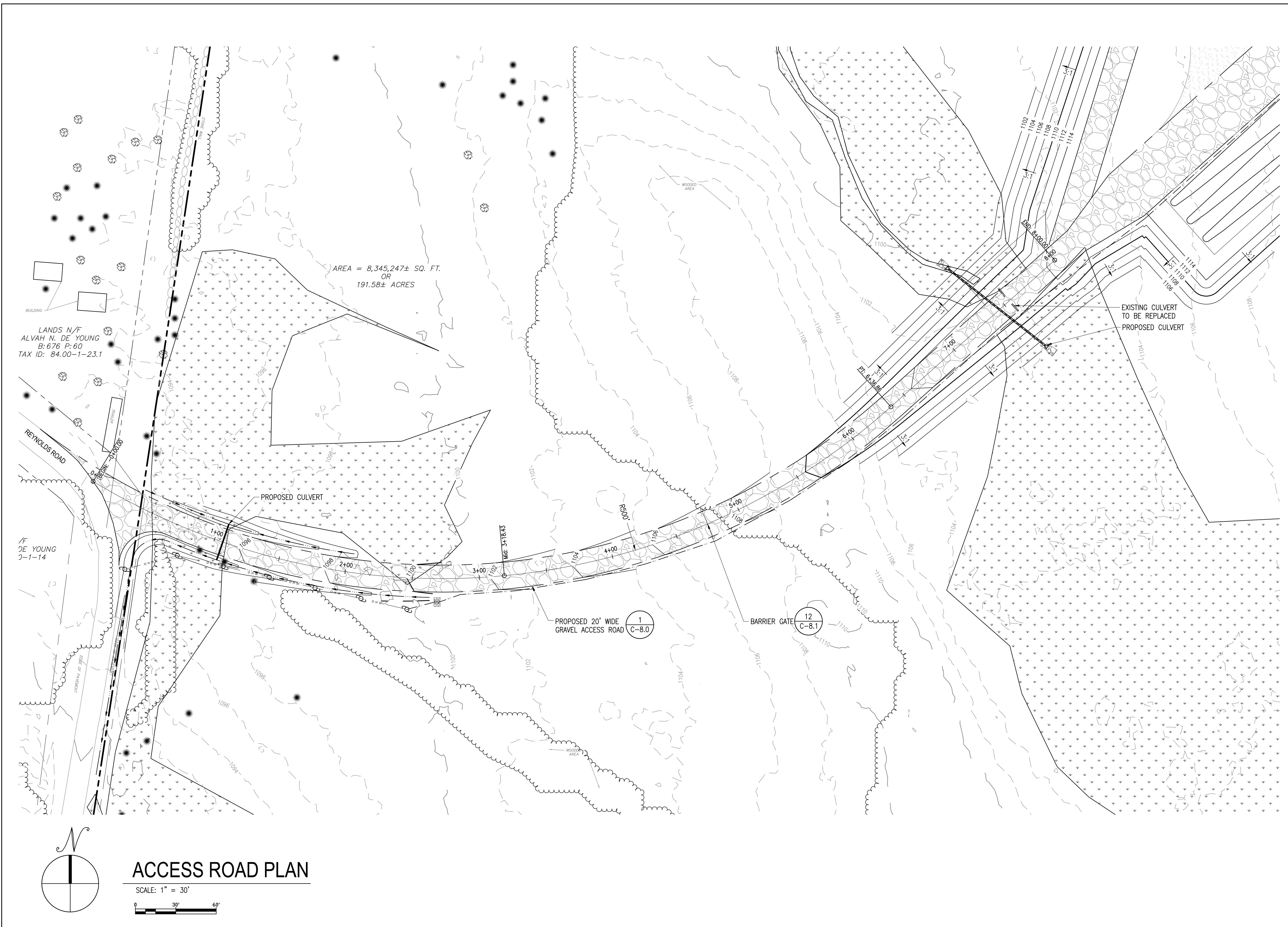
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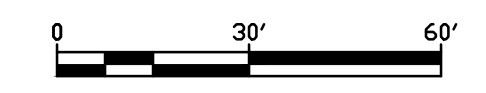
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C-6.0
ACCESS ROAD PLAN

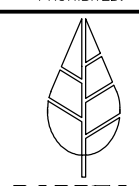


ACCESS ROAD PLAN

SCALE: 1" = 30'



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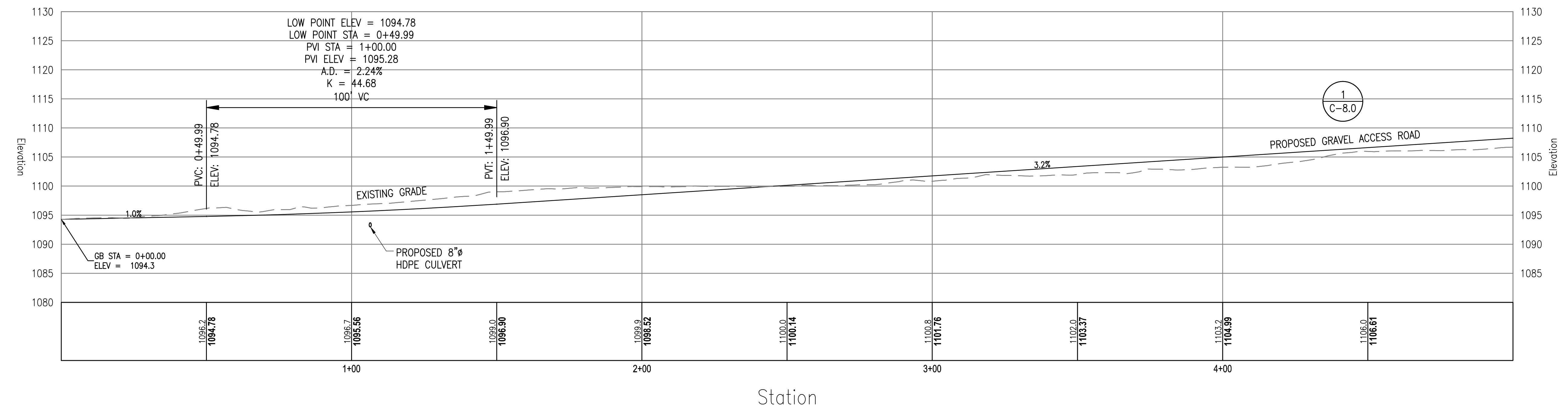
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411 REYNOLDS RD, FULTONVILLE, NY 12072

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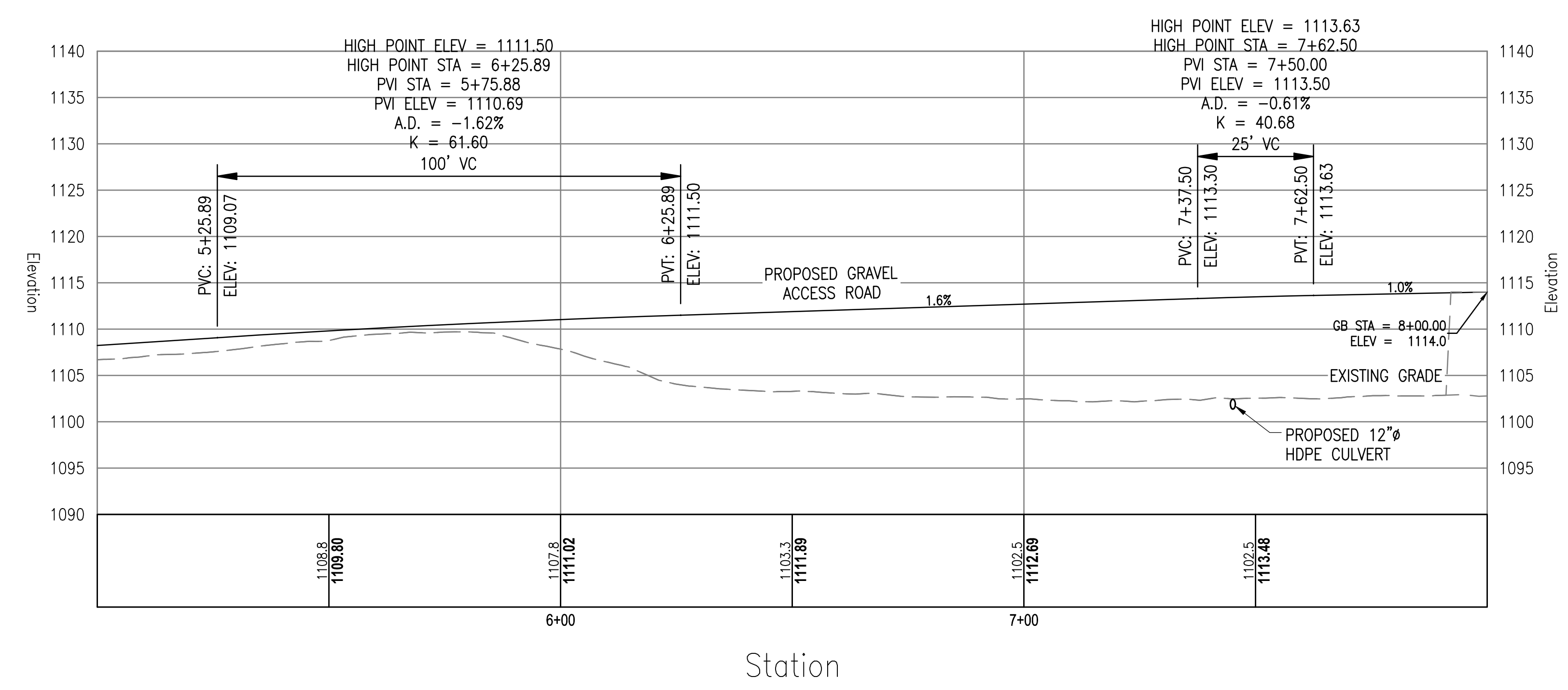
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C-7.0
ACCESS ROAD PROFILES

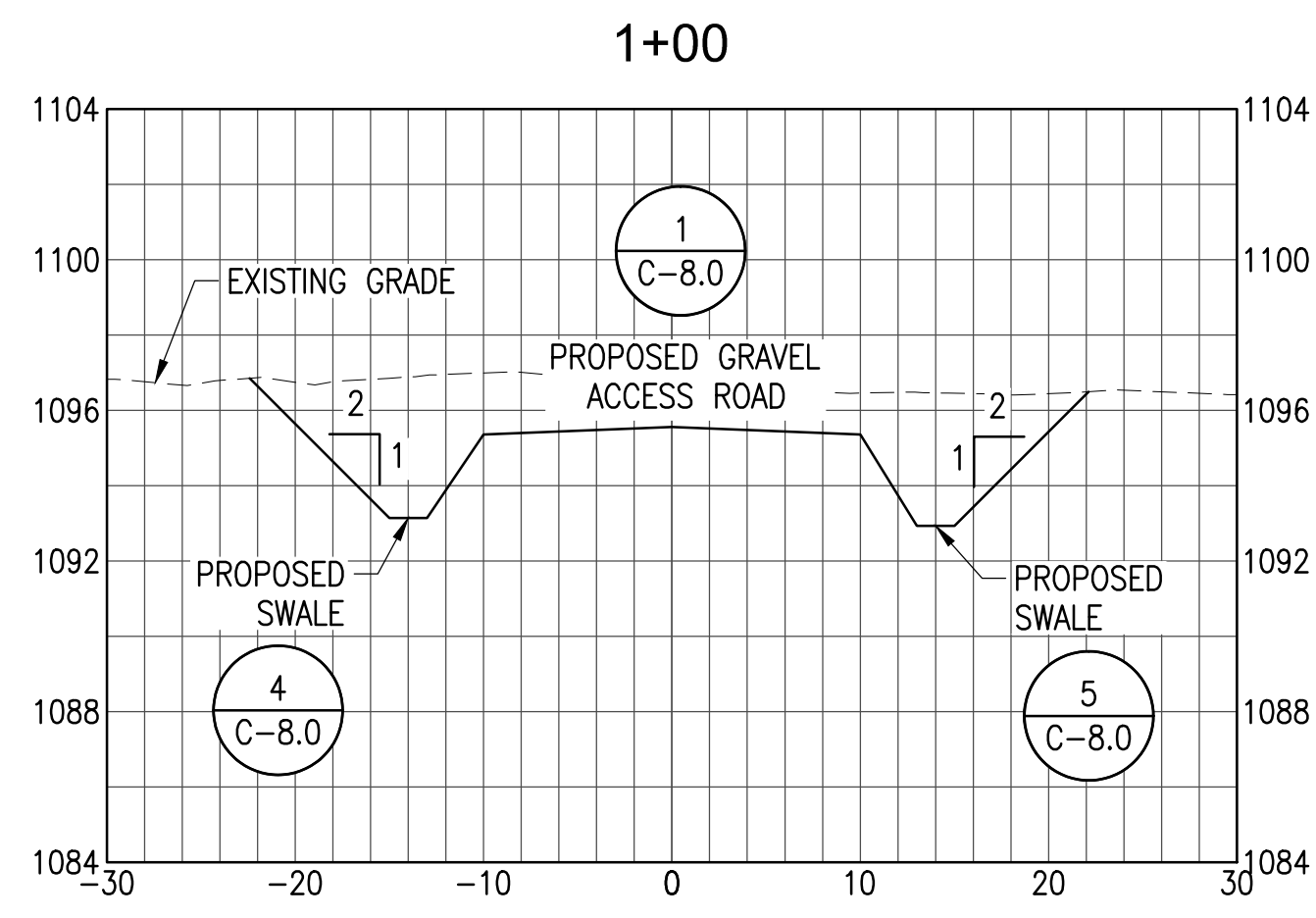


PROPOSED GRAVEL ACCESS ROAD PROFILE
SCALE: H: 1"=20' V: 1"=10'

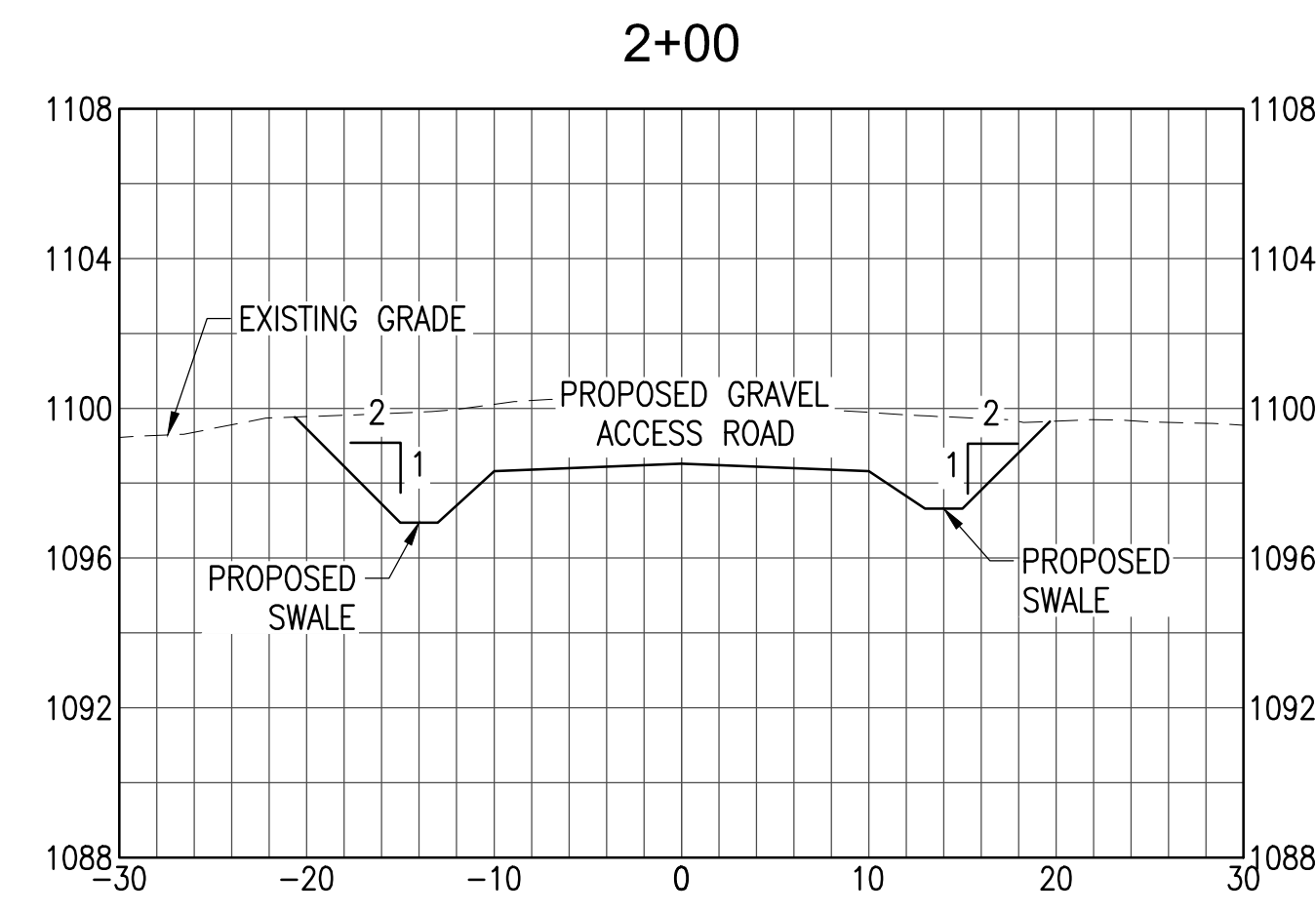


PROPOSED GRAVEL ACCESS ROAD PROFILE
SCALE: H: 1"=20' V: 1"=10'

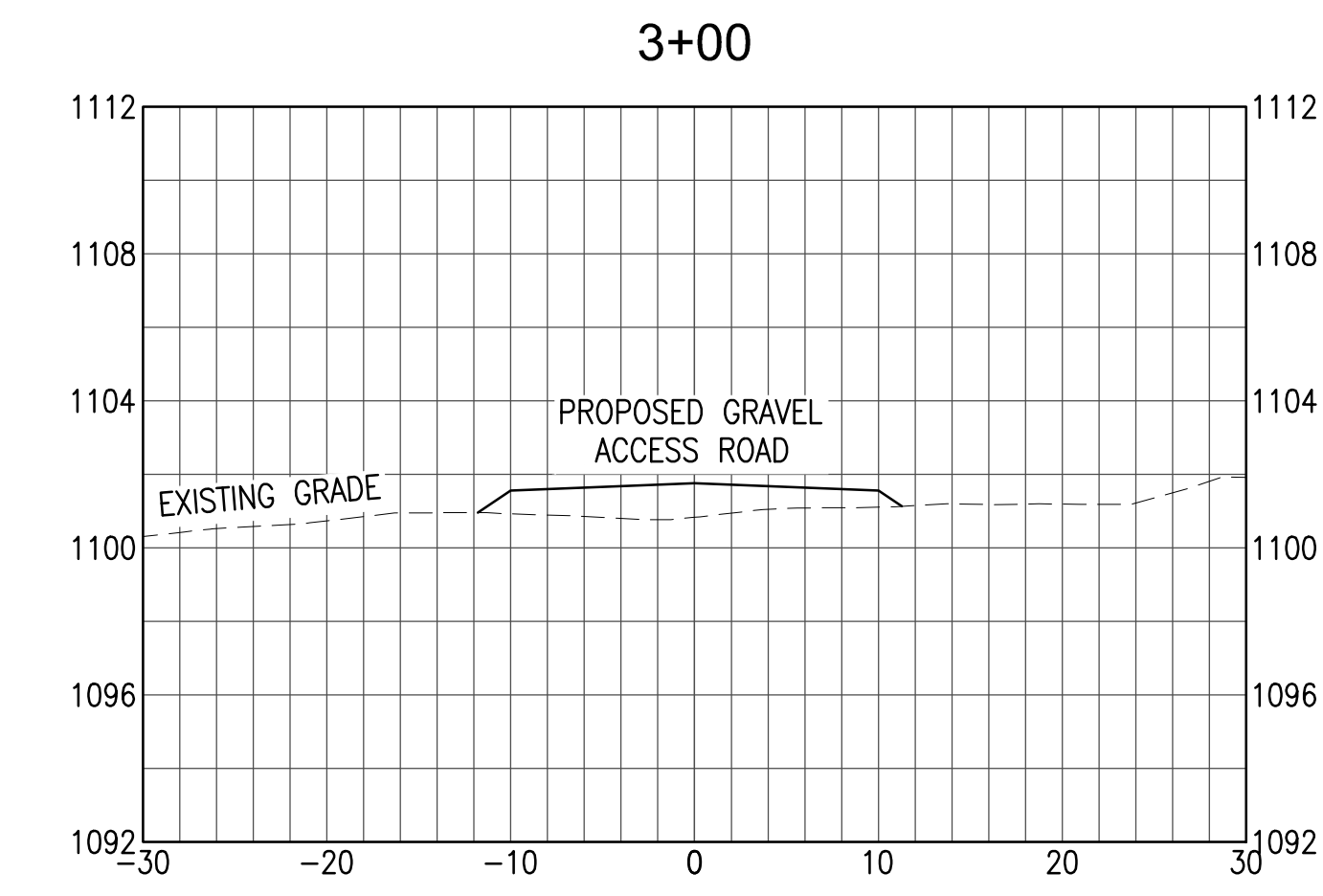
ACCESS ROAD PROFILES



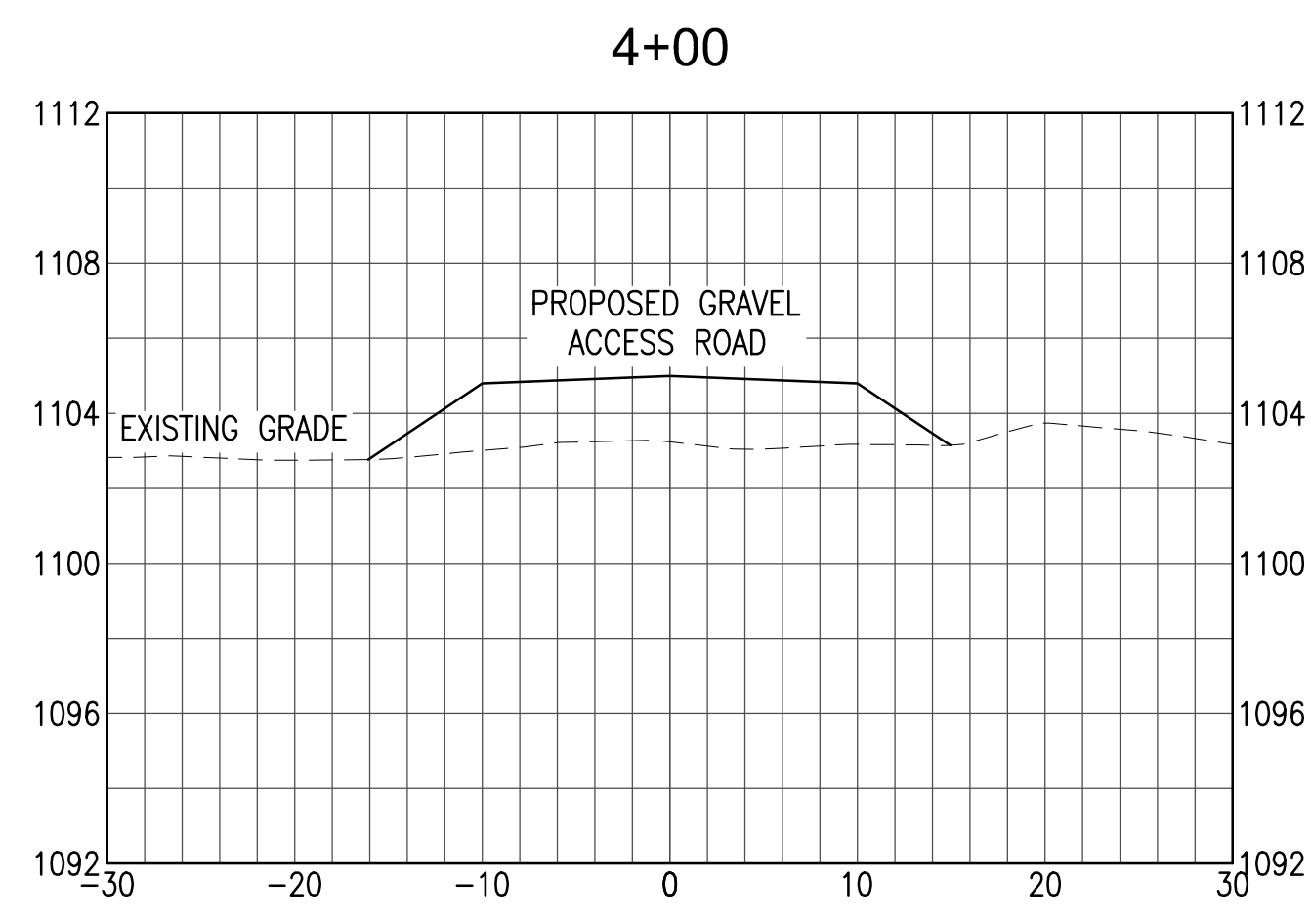
STATION 1+00
SCALE: H: 1"=10' V: 1"=5'



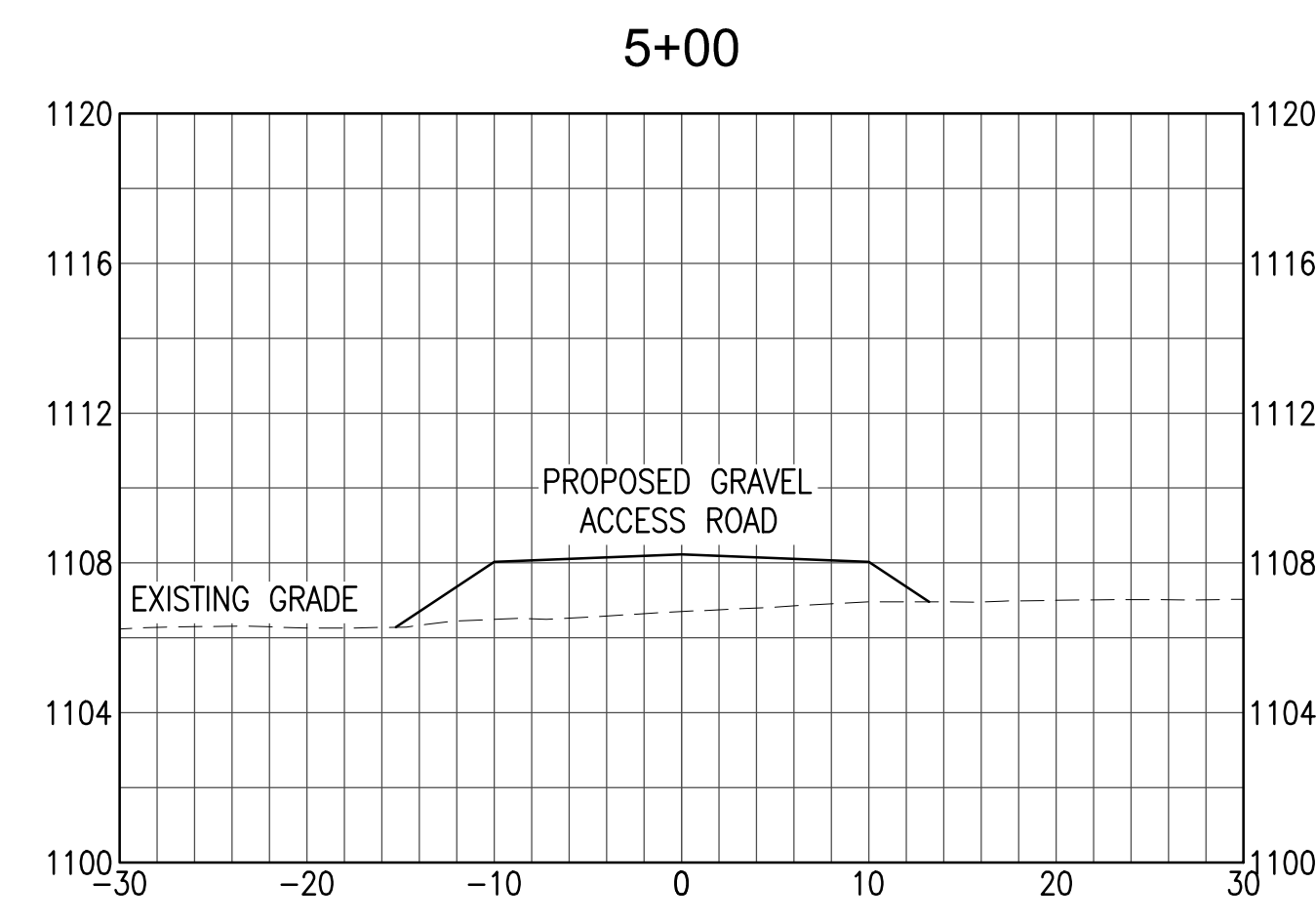
STATION 2+00
SCALE: H: 1"=10' V: 1"=5'



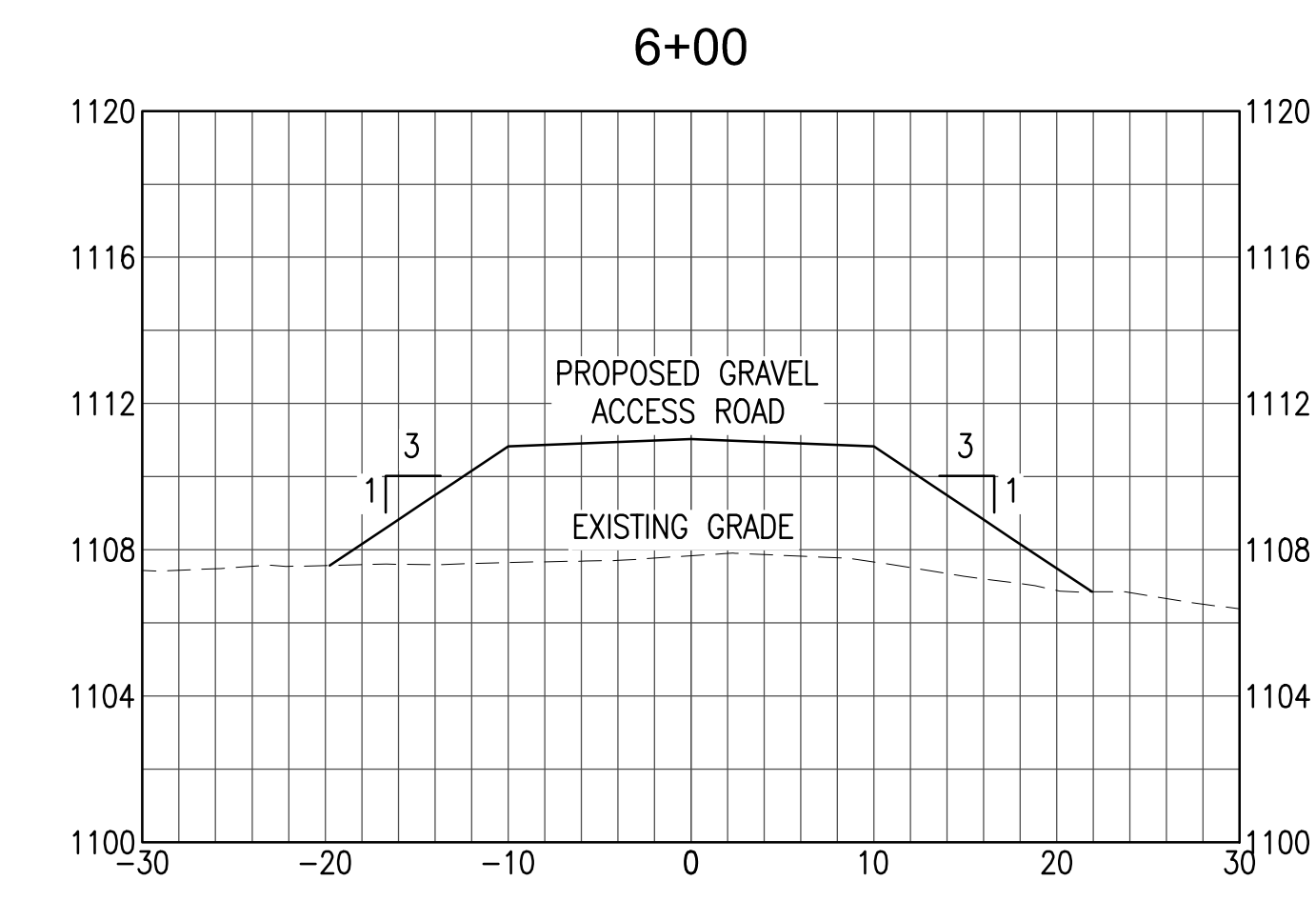
STATION 3+00
SCALE: H: 1"=10' V: 1"=5'



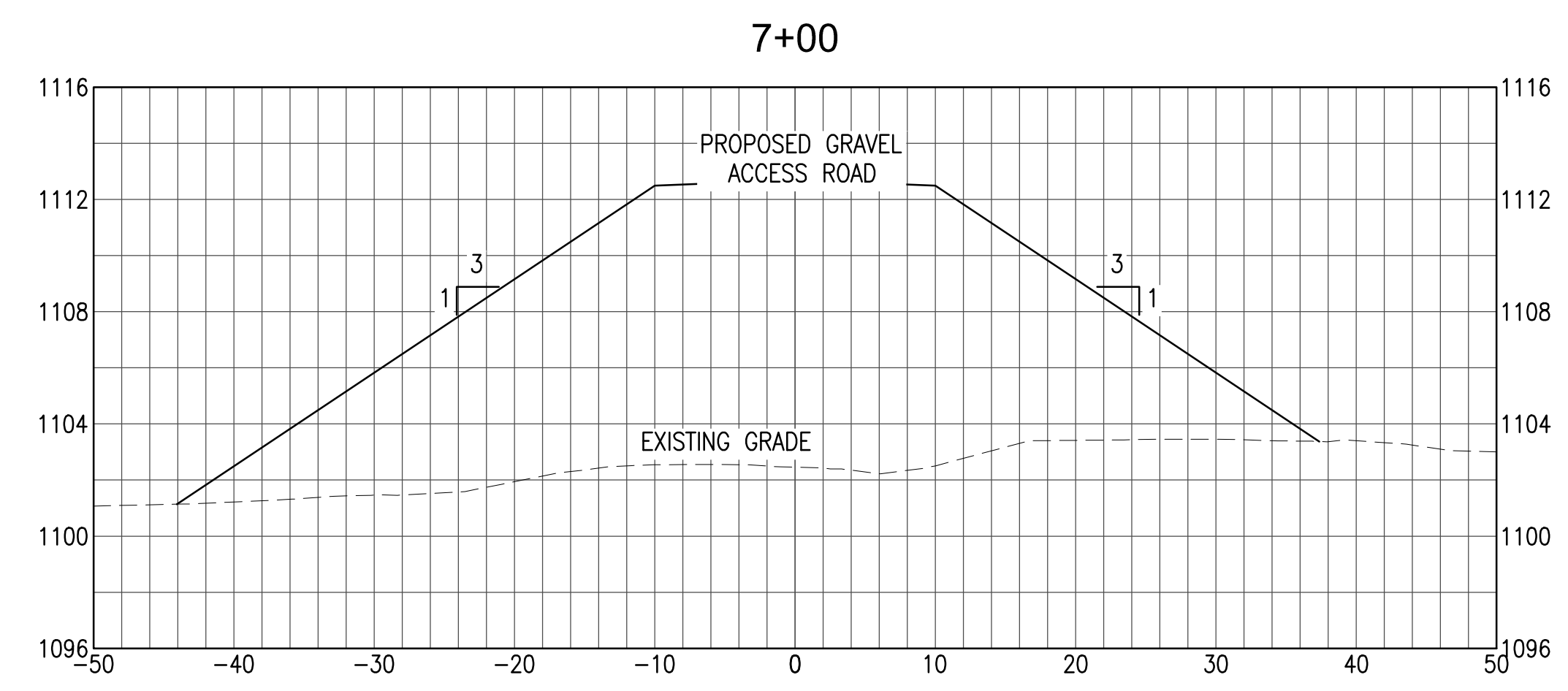
STATION 4+00
SCALE: H: 1"=10' V: 1"=5'



STATION 5+00
SCALE: H: 1"=10' V: 1"=5'



STATION 6+00
SCALE: H: 1"=10' V: 1"=5'



STATION 7+00
SCALE: H: 1"=10' V: 1"=5'

ACCESS ROAD SECTIONS

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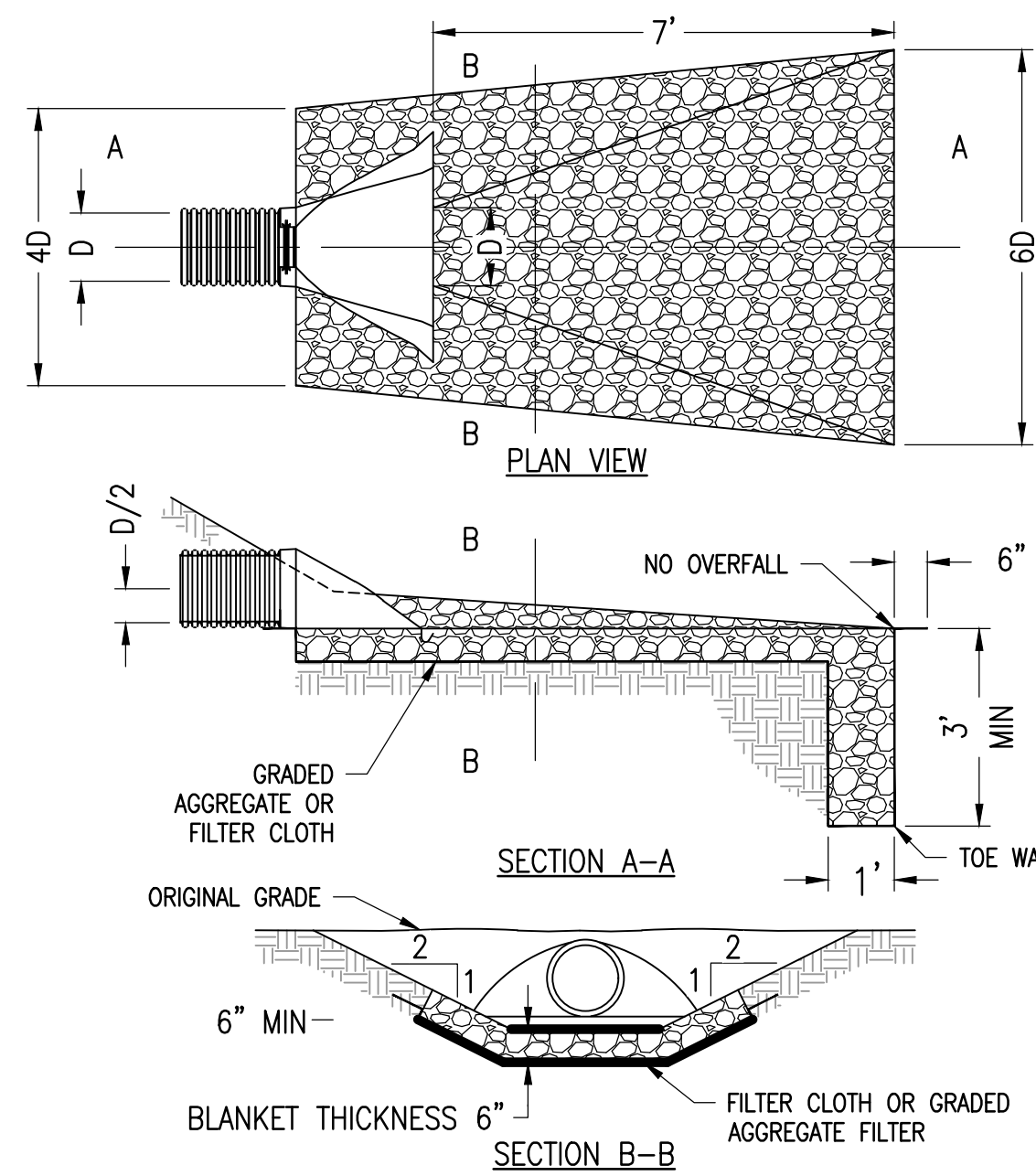
PLAN SET
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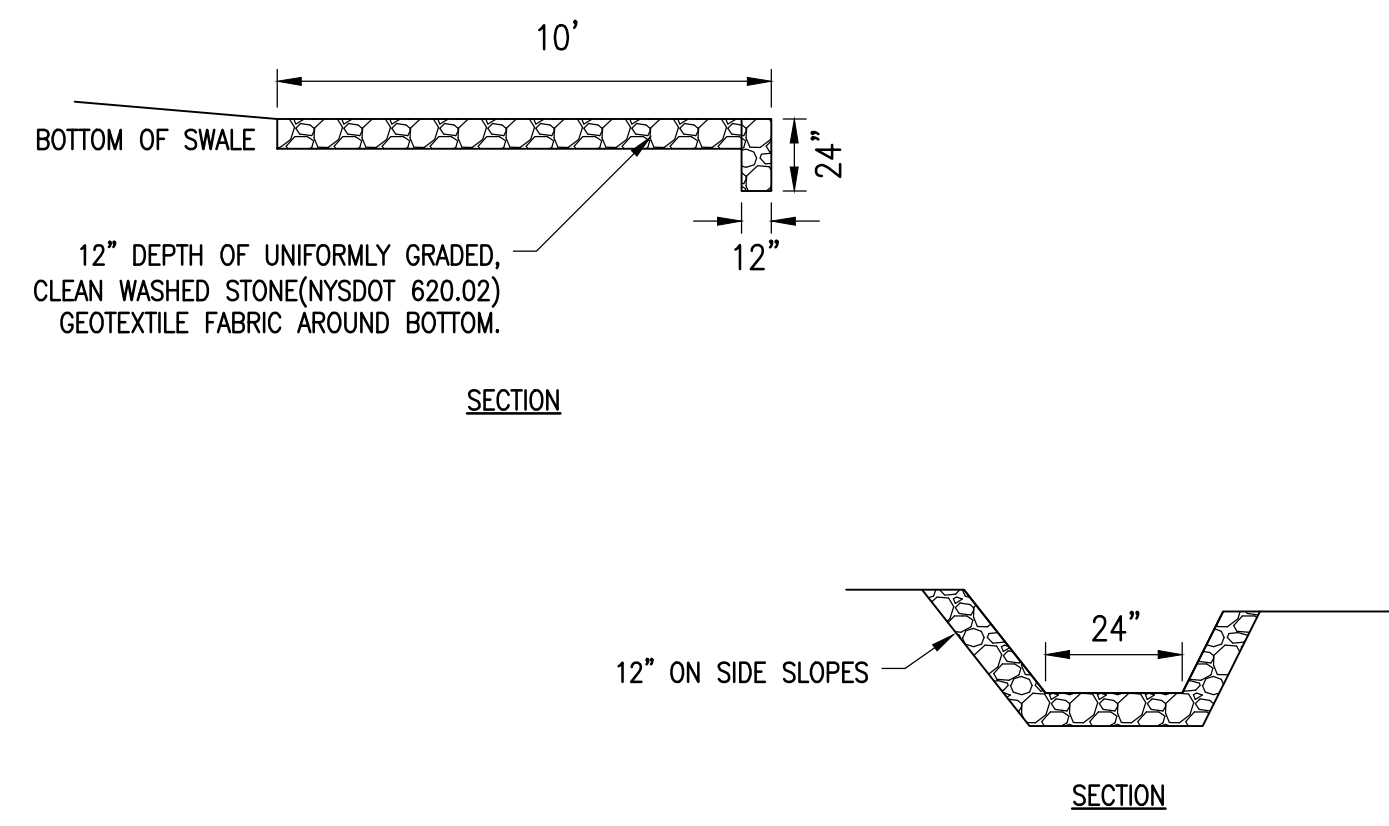
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C-7.1
ACCESS ROAD SECTIONS



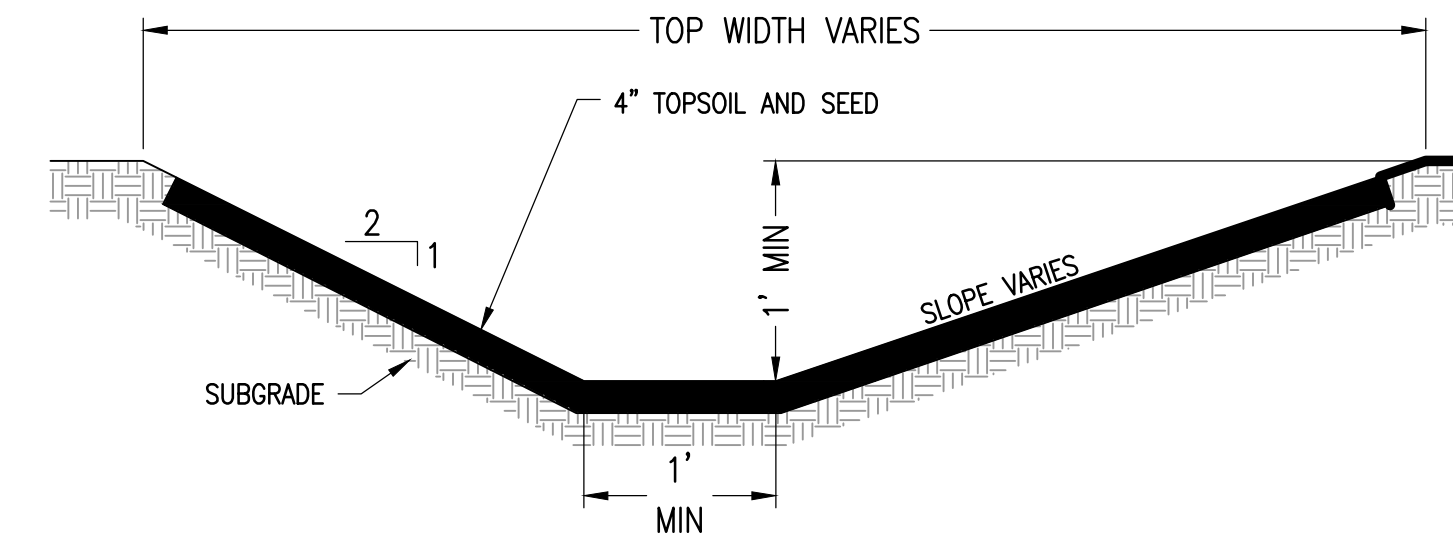
9 RIP-RAP OUTLET PROTECTION

SCALE: NTS



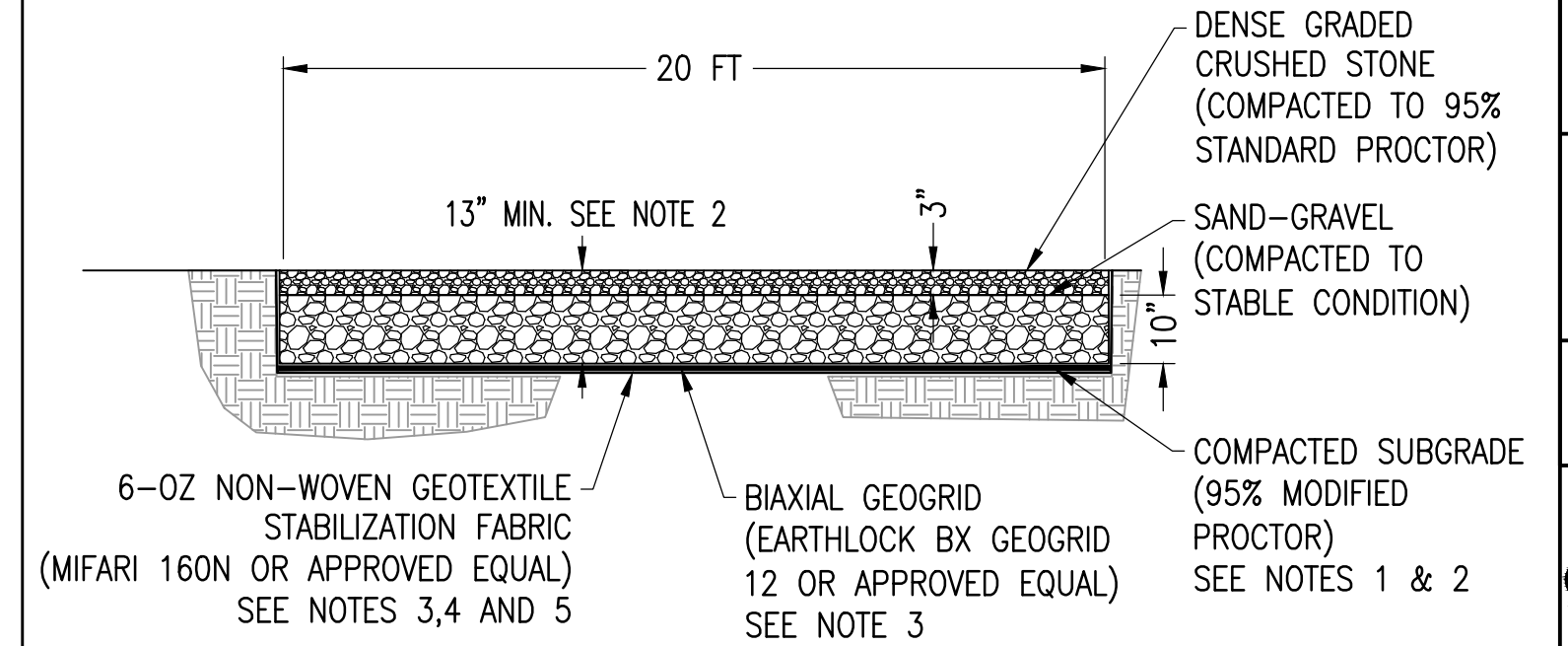
7 LEVEL SPREADER DETAIL

SCALE: NTS



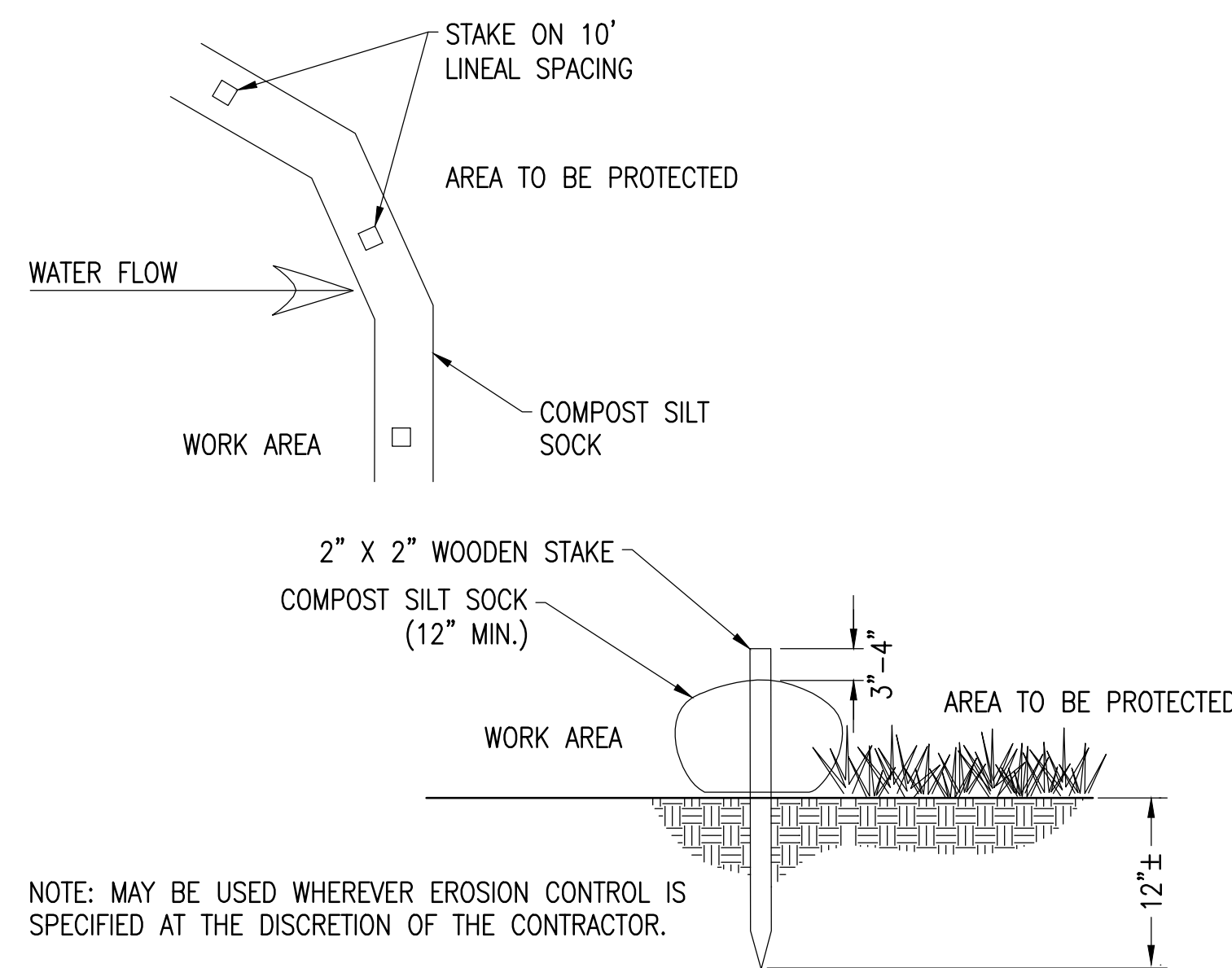
4 GRASS LINED SWALE OPTION 1

SCALE: NTS



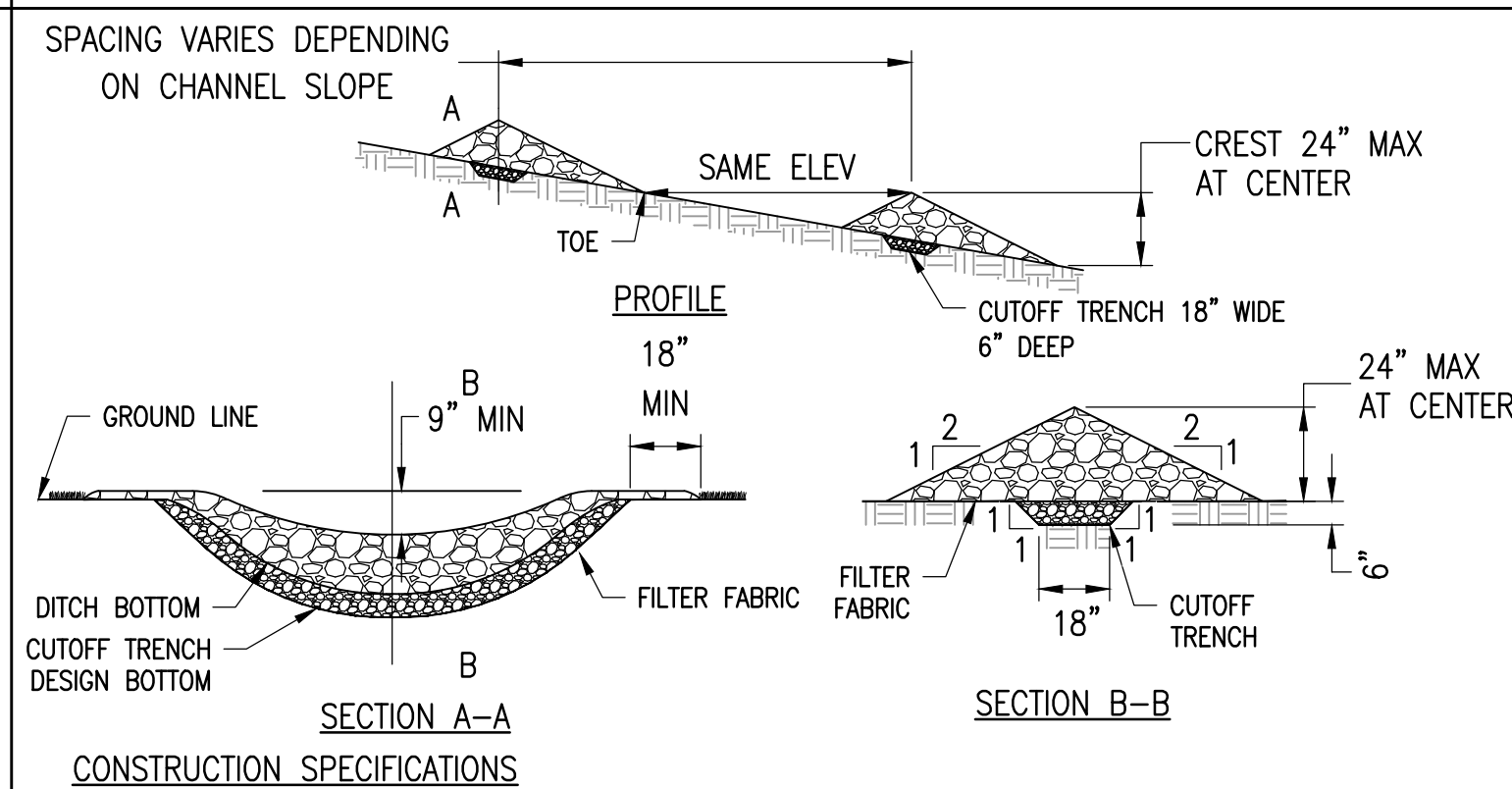
1 GRAVEL ACCESS ROAD / CRANE PAD

SCALE: NTS



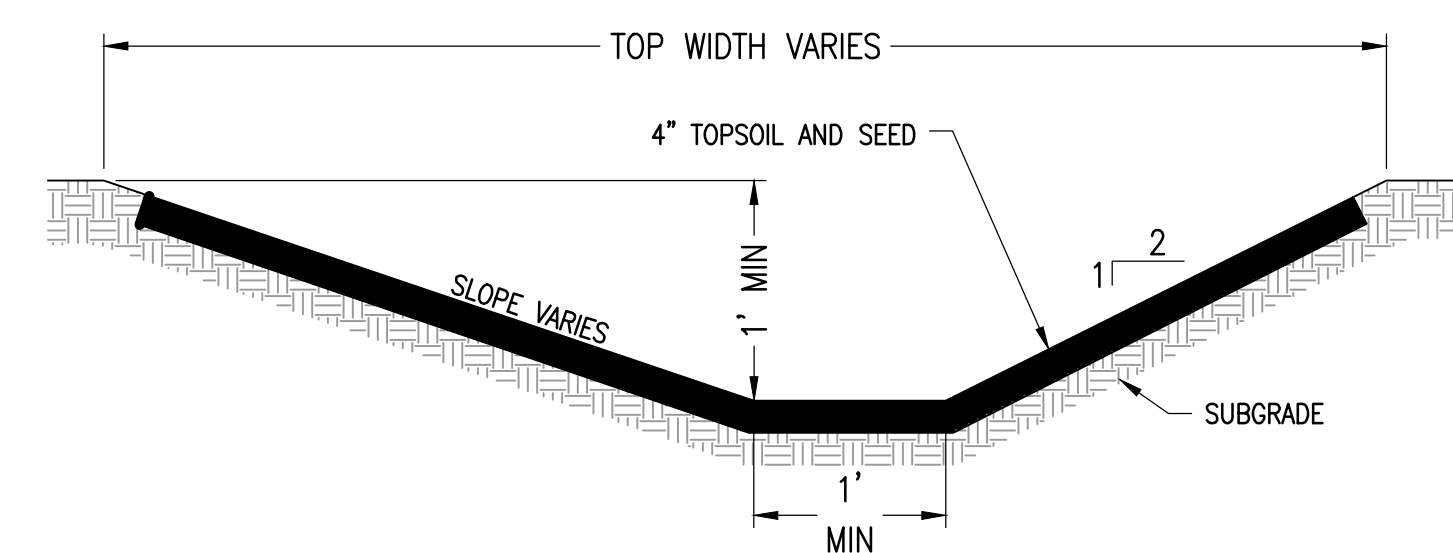
10 COMPOST SILT SOCK

SCALE: NTS



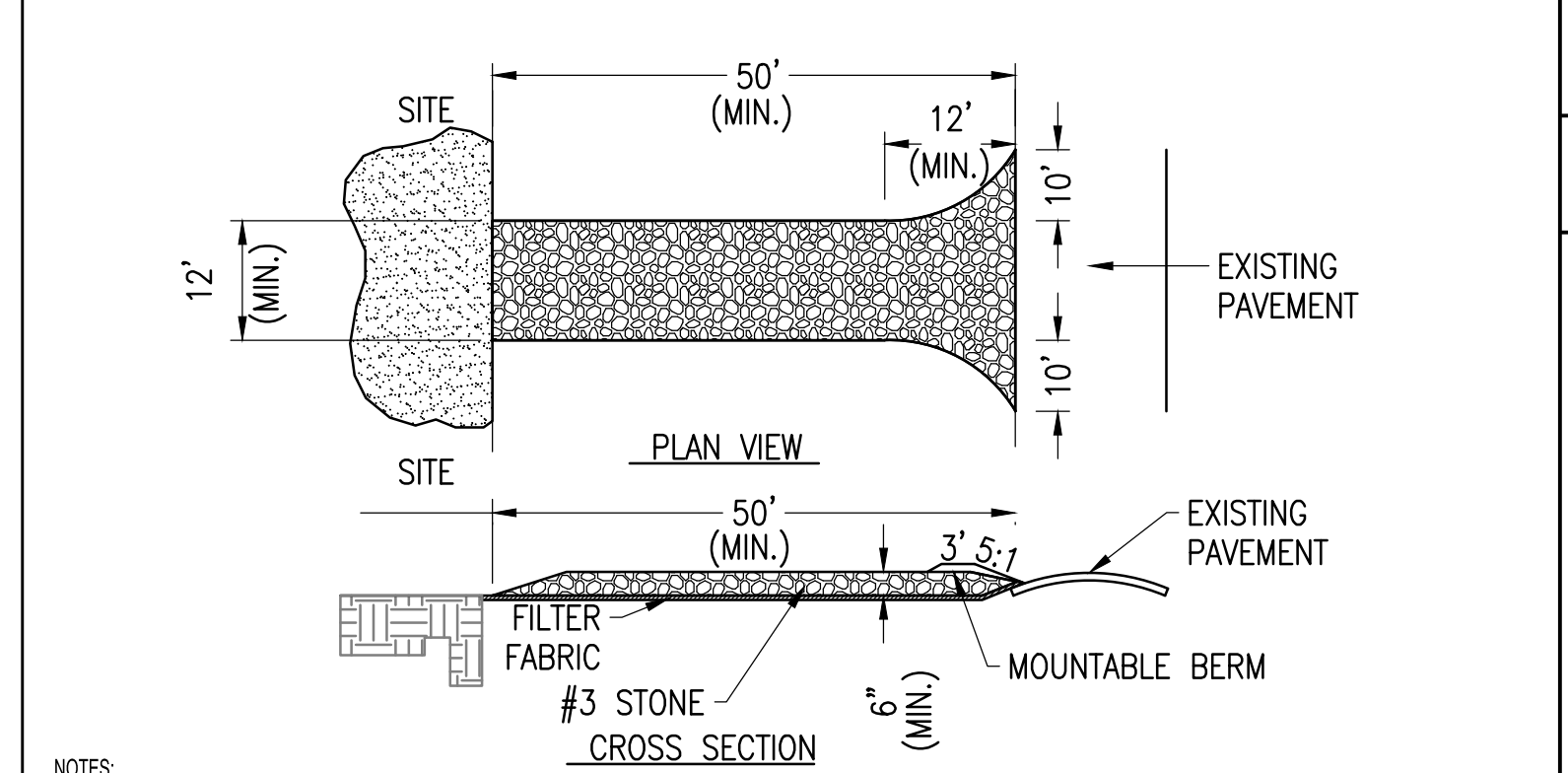
8 CHECK DAM

SCALE: NTS



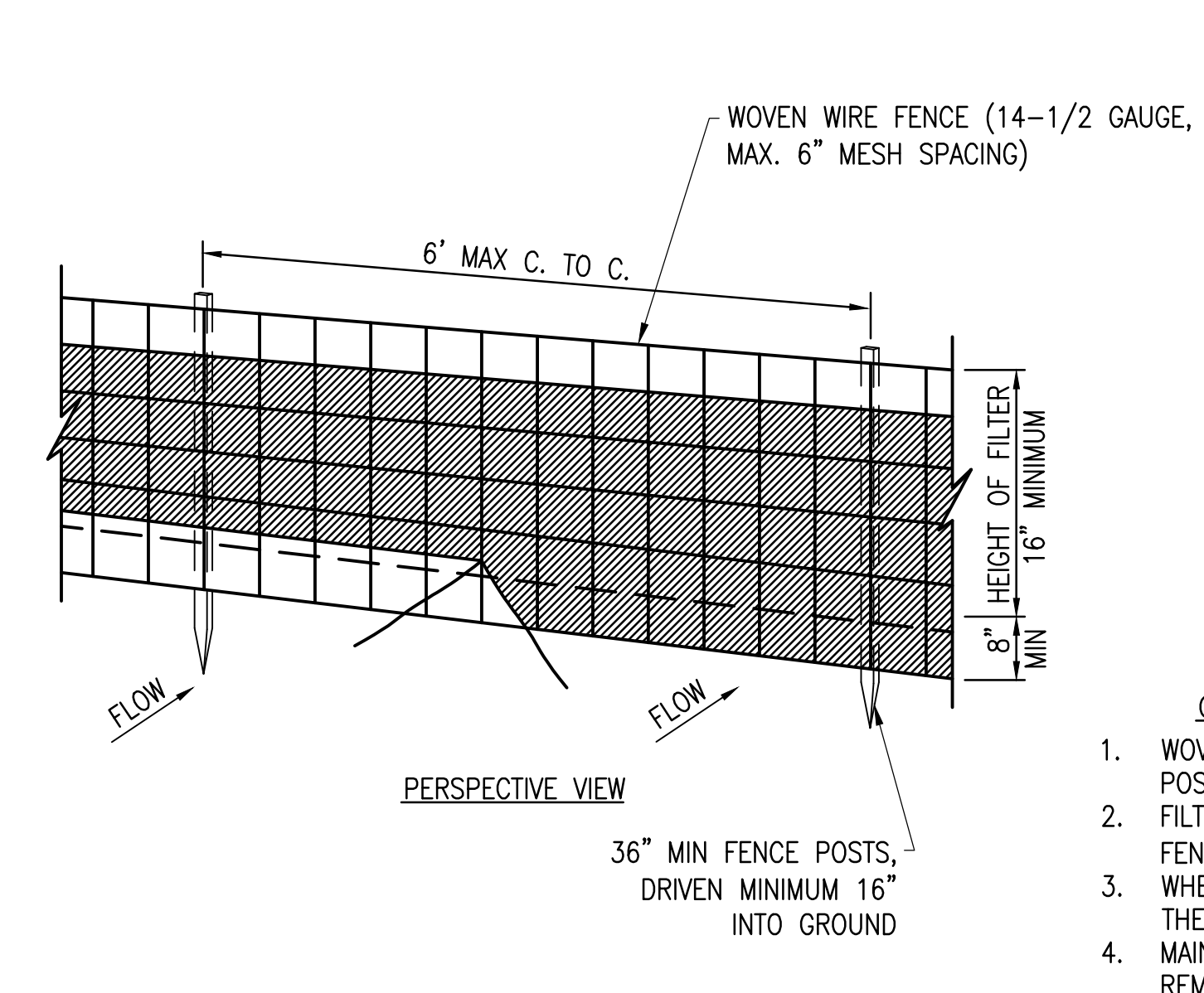
5 GRASS LINED SWALE OPTION 2

SCALE: NTS



2 STABILIZED CONSTRUCTION EXIT

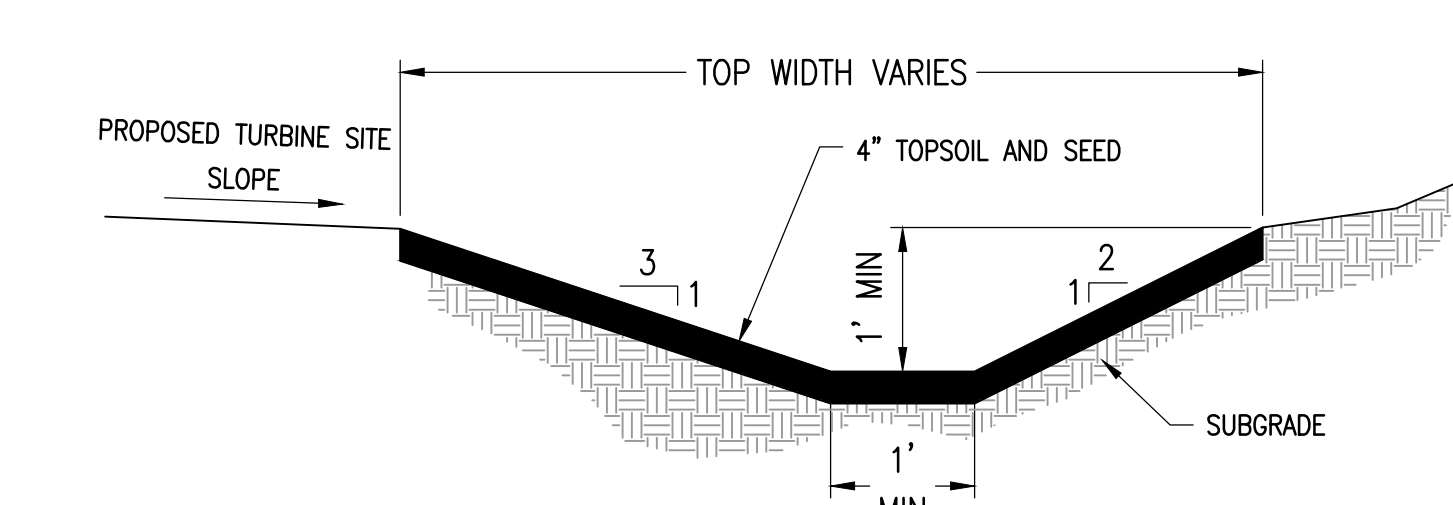
SCALE: NTS



11 SILT FENCE DETAIL

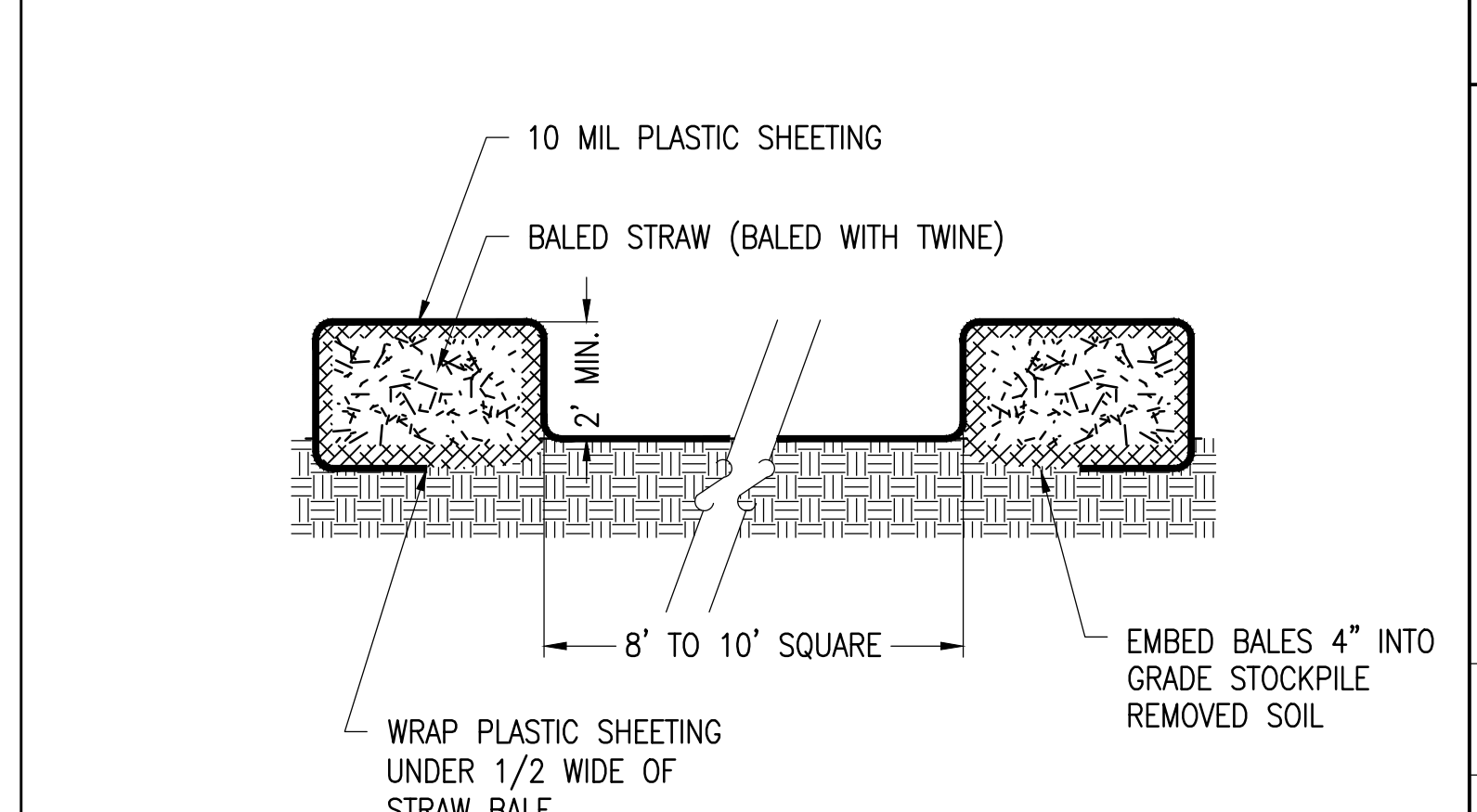
SCALE: NTS

- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE.
- POSTS: STEEL, EITHER T OR U TYPE OR 2" HARDWOOD
 FENCE: WOVEN WIRE, 14 GAUGE 6" MAX. MESH OPENING
 FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
 PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL



6 GRASS LINED SWALE OPTION 3

SCALE: NTS



3 CONCRETE WASHOUT BASINS

SCALE: NTS

- NOTES:**
- BASIN SHALL BE INSPECTED DAILY.
 - PLASTIC SHEETING SHALL BE FREE OF TEARS OR HOLES. DAMAGED OR LEAKING BASINS SHALL BE REPLACED OR REPAIRED IMMEDIATELY.
 - ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE BASIN IS FILLED. WASHWATER FROM WASHOUT BASIN SHALL EVAPORATE OR BE VACUUMED OUT. REMOVE REMAINING HARDENED SOLIDS. REPLACE PLASTIC SHEETING WITH EACH CLEANING. REPLACE STRAWBALES AS REQUIRED.
 - DISPOSE OF HARDENED MATERIAL OFF-SITE OR PER THE PROJECTS SWPPP.

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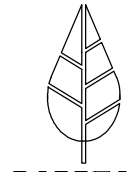
PROJECT NUMBER:
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REV	DATE	DRAWN	CHECKED	RELEASE LEVEL	SITE USE PERMIT SET
12/15/21		BLS	BLS		

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C-8.0
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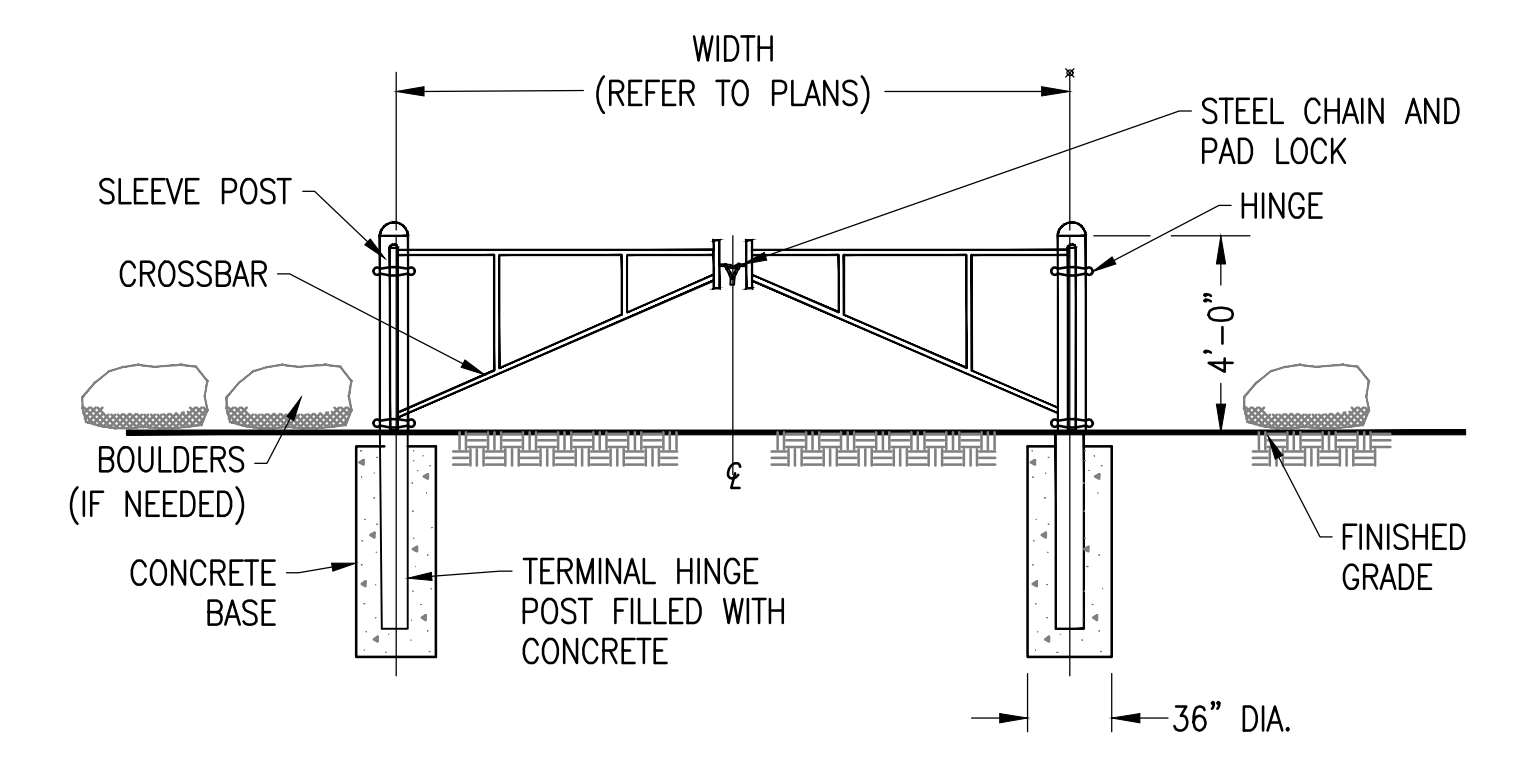


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NOTE:
 CONTRACTOR SHALL ENSURE NO VEHICULAR ACCESS (INCLUDING MOTORCYCLES, ATV'S, ETC.) AROUND BARRIER GATE.

12 BARRIER GATE

SCALE: NTS
 XD_CIVIL_ACCESS_BARRIER_GATE 10-24-2018

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