# PROJECT DESCRIPTION:

CONSTRUCTION OF PUBLIC UTILITY/PERSONAL WIRELESS SERVICE FACILITY CONSISTING OF A MONOPOLE TOWER. INITIALLY (1) EQUIPMENT SHELTER, AND A UTILITY BACKBOARD WITHIN A FENCED COMPOUND, NO WATER OR SEWER IS REQUIRED.

#### CODE COMPLIANCE:

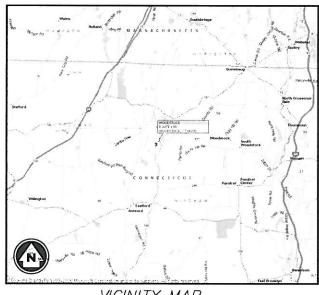
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING:

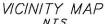
- 1. CT BUILDING CODE
- 2. UNIFORM BUILDING CODE
- 3. BUILDING OFFICIALS AND CODE 7. NATIONAL ELECTRICAL CODE ADMINISTRATORS (BOCA)
- 4. UNIFORM MECHANICAL CODE 9. CITY/COUNTY ORDINANCES
- 5. ANSI/TIA/EIA-222-G
- 6. UNIFORM PLUMBING CODE
- 8. LOCAL BUILDING CODE

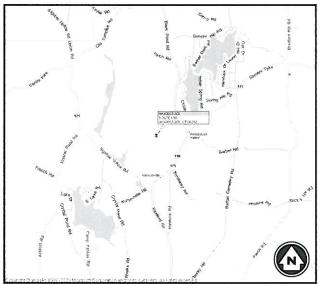
NORTH ATLANTIC **TOWERS** 



WOODSTOCK SITE ID: CT1182 ROUTE 198 WOODSTOCK, CT 06282







LOCATION MAP

infinigy engineering

11 HERBERT DRIVE LATHAM, NY 12110 OFFICE #: (518) 690-0790 FAX #: (518) 690-0793

PROPOSED TOWER HEIGHT: ±110' AGL 41° 56' 21.97" N 72° 4' 55.26" W ±795' AGL LATITUDE: LONGITUDE:

DIG ALERT:

CALL FOR UNDERGROUND UTILITIES PRIOR TO DIGGING: 1-800-922-4455

**EMERGENCY:** CALL 911

WINDHAM COUNTY, CONNECTICUT

**ELEVATION:** 

# PROJECT INFORMATION

SITE NAME: WOODSTOCK

SITE ID: CT1182

ROUTE 198 WOODSTOCK, CT 06282 SITE ADDRESS:

ZONING JURISDICTION:

ZONING CLASSIFICATION: TBD

PROPERTY OWNER:

APPLICANT:

ENGINEER:

PARCEL I.D. (M/B/L/U): LOT 24:

5789/37/24/// F0132200

ACCOUNT NUMBER: LOT 24:

PARCEL SIZE: LOT 24: ±128.00 ACRES

CONSTRUCTION AREA: ± 92,500 SQFT (±2.12 ACRES)

41" 56' 21.97" N 72° 04' 55.26" W LONGITUDE:

# PROJECT DIRECTORY

WOODSTOCK TOWER PARTNERS, LLC

(860) 963-2133

NORTH ATLANTIC TOWERS 1001 3RD AVE WEST, SUITE 420 BRADENTON, FL 34205

DAN SHRIVER (941) 757-5010

INFINIGY ENGINEERING PLLC

AJ DESANTIS

(518) 690-0790

ATTORNEY:

TBD

CUDDY & FEDER LLP 445 HAMILTON STREET, 14TH FLOOR WHITE PLAINS, NY 10601

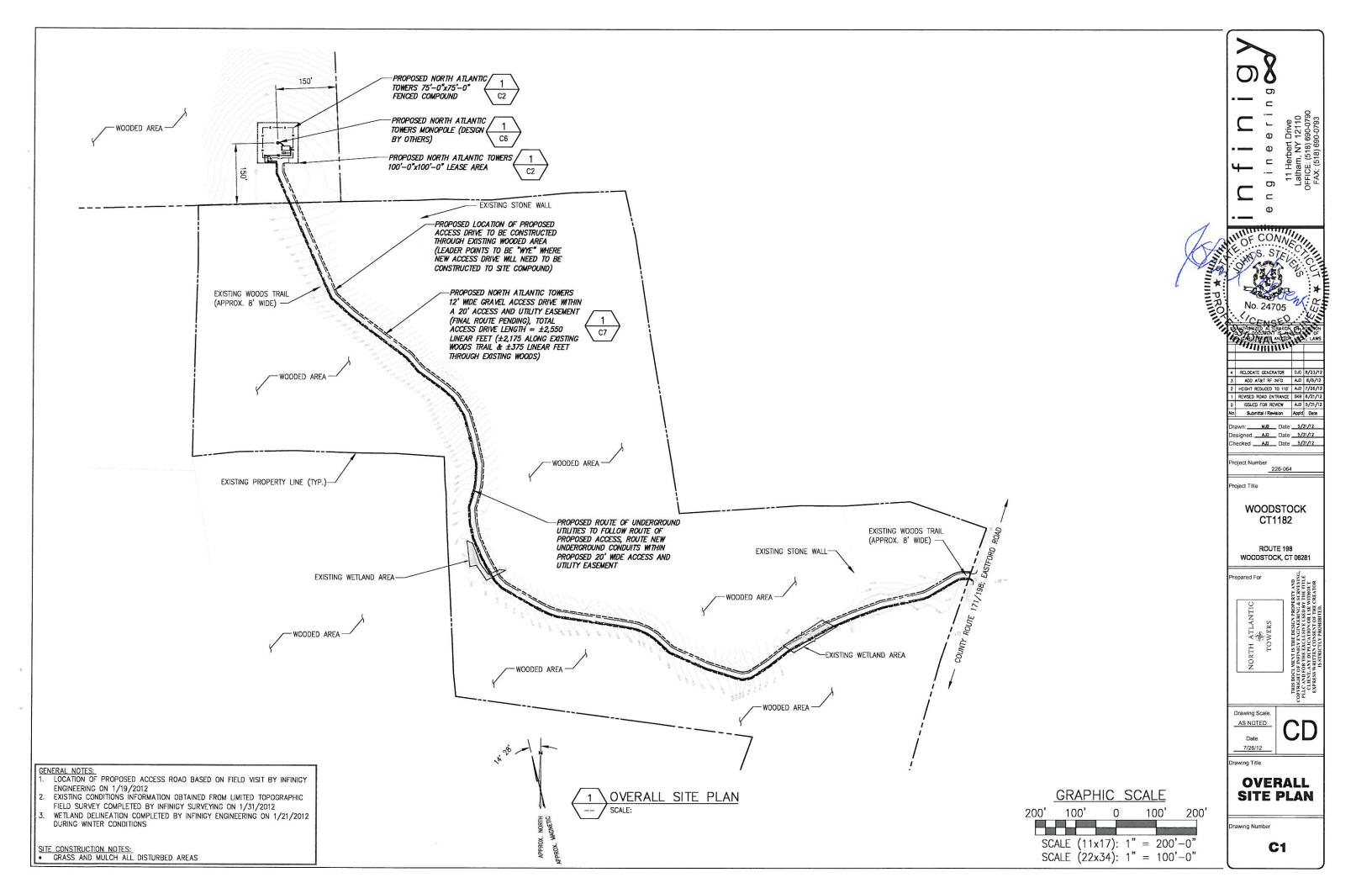
LUCIA CHIOCCHIO, ESQ (914) 761-1300

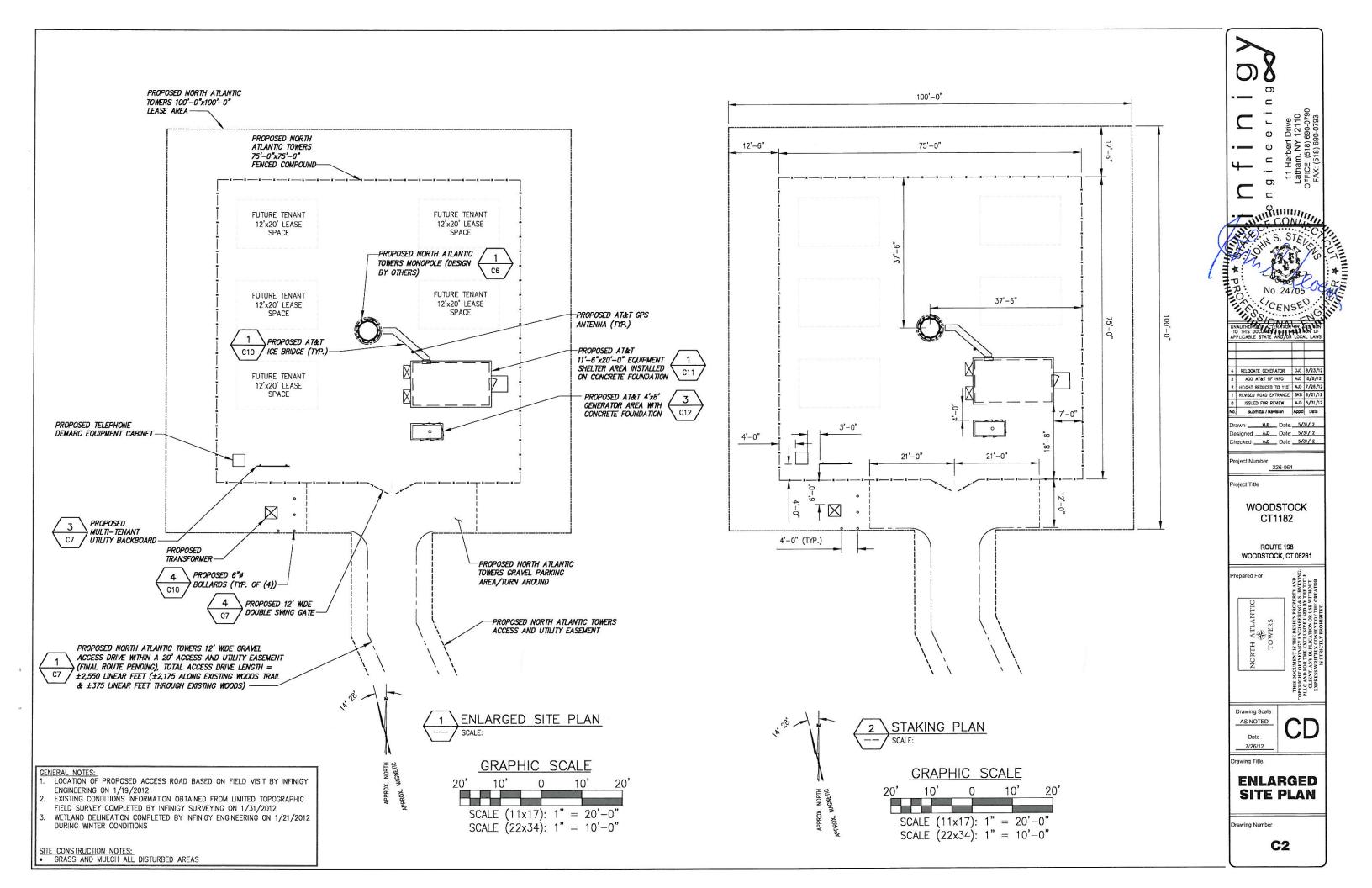
POWER COMPANY:

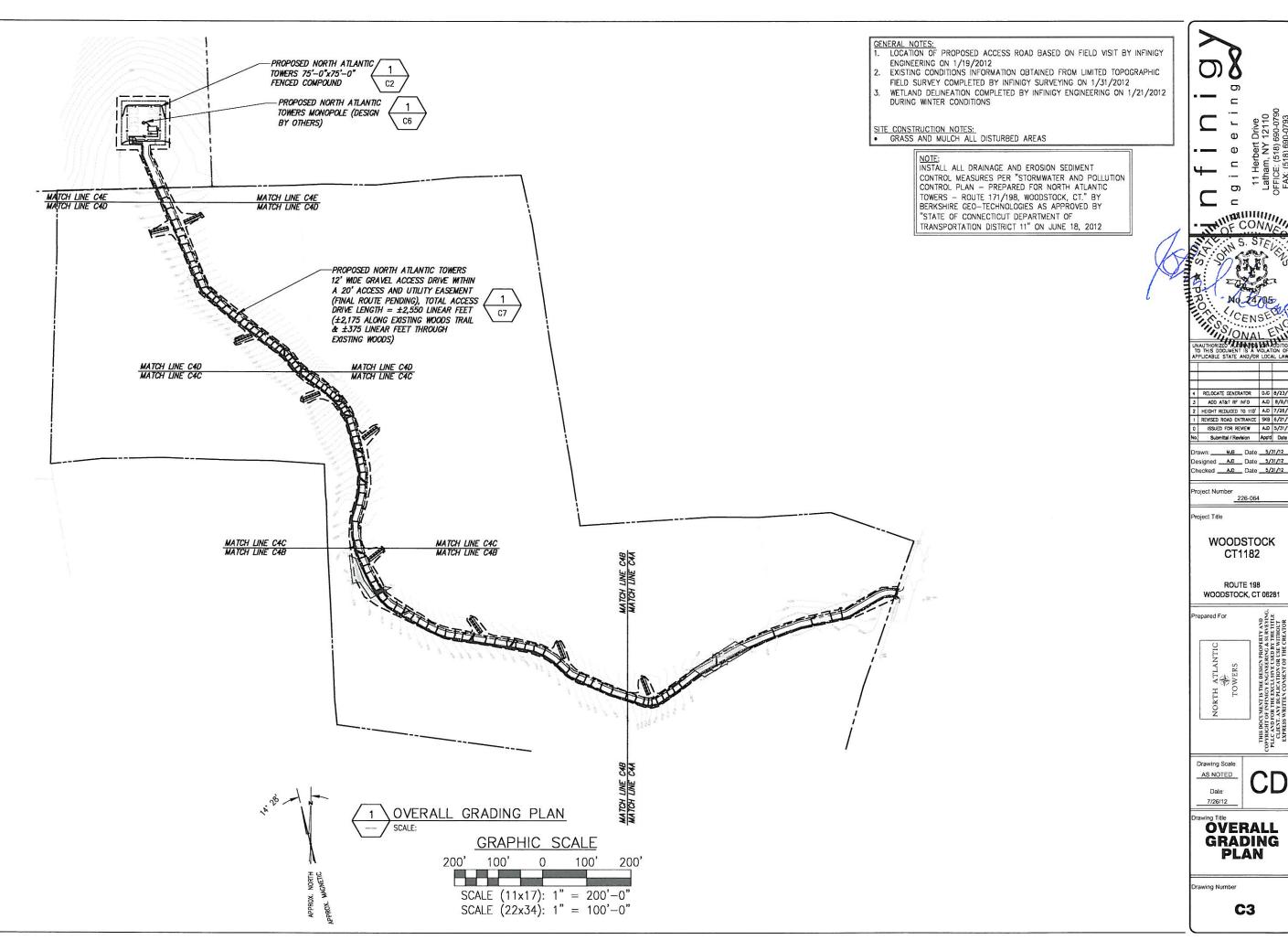
TBD TELCO COMPANY:

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DRWG. #	TITLE	REV.#	DATE	
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C2	ENLARGED SITE PLAN	4	8/23/12	
C3	OVERALL GRADING PLAN	4	8/23/12	
C4A	ACCESS ROAD GRADING PLAN	4	8/23/12	
C4B	ACCESS ROAD GRADING PLAN	4	8/23/12	
C4C	C4C ACCESS ROAD GRADING PLAN		8/23/12	
C4D	C4D ACCESS ROAD GRADING PLAN		8/23/12	
C4E	ACCESS ROAD GRADING PLAN	4	8/23/12	
C5	GRADING NOTES & DETAILS	4	8/23/12	
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E3	GROUNDING LAYOUT	4	8/23/12	
E4	GROUNDING DETAILS	4	8/23/12	







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> REVISED ROAD ENTRANCE SKB 6/21/ rawn: <u>WJB</u> Date: 5/31/12 esigned \_\_AJD \_\_ Date \_\_5/31/12 hecked AJD Date 5/31/12

oject Number 226-064

roject Title

WOODSTOCK CT1182

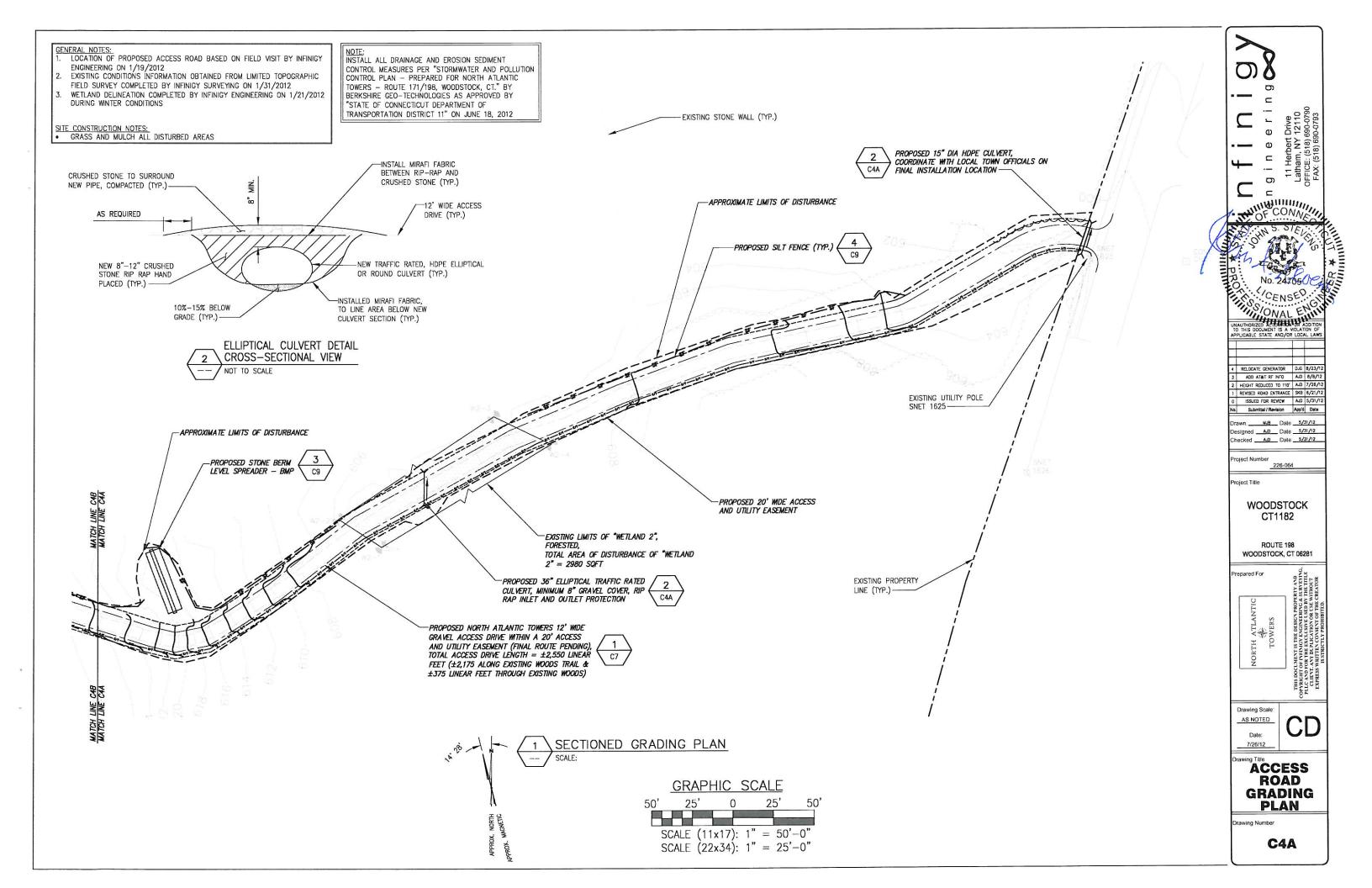
ROUTE 198 WOODSTOCK, CT 06281

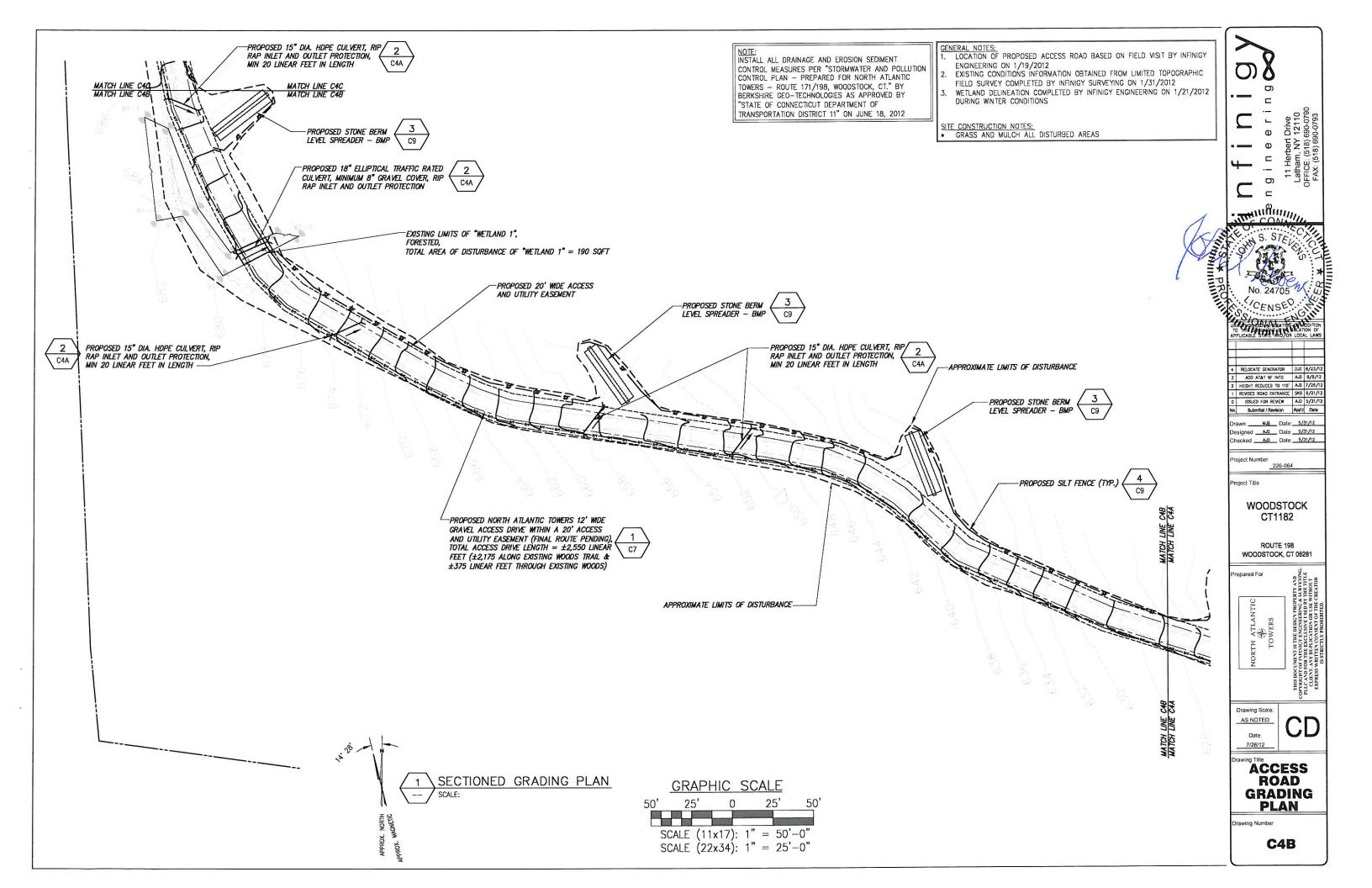
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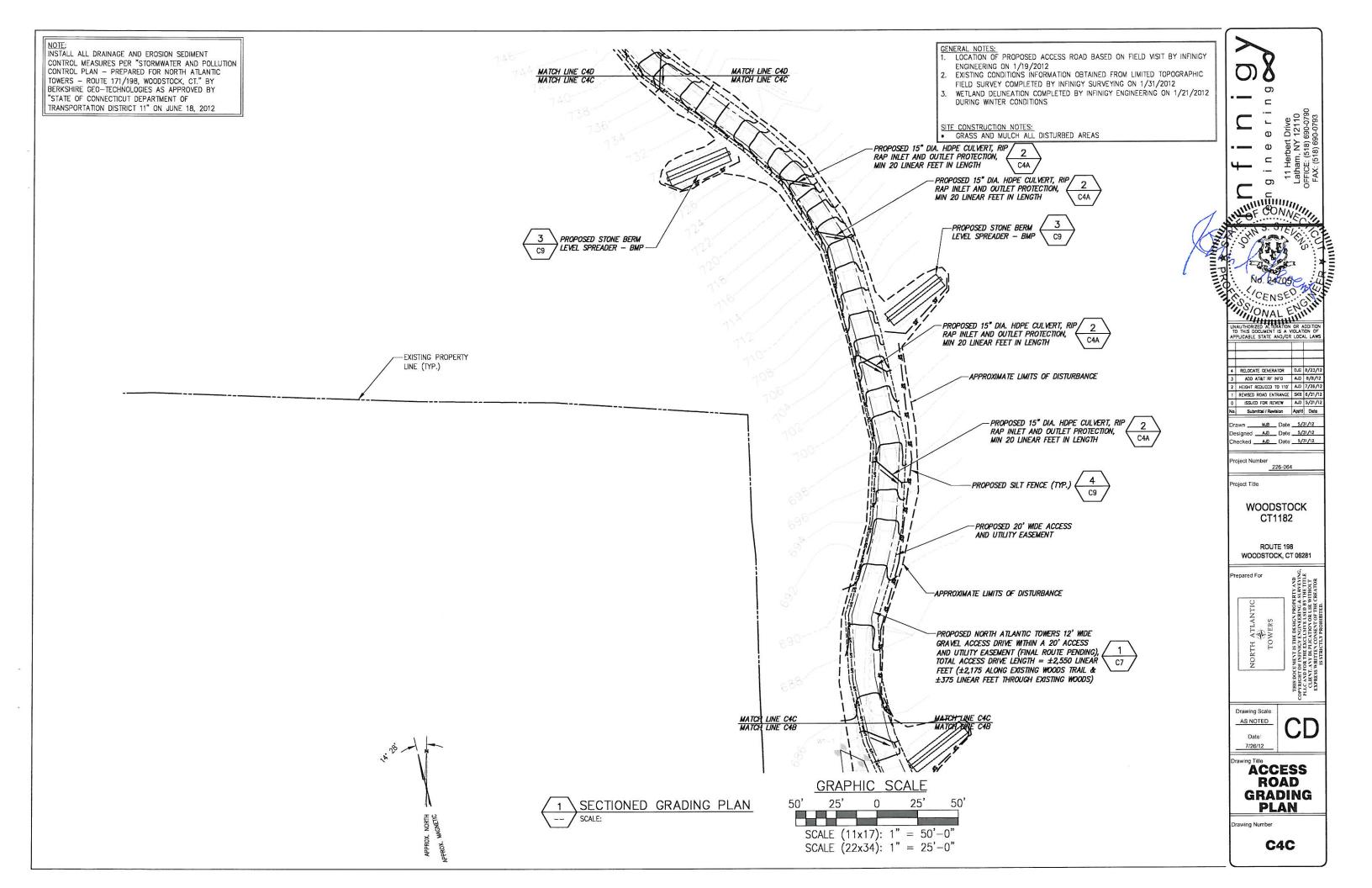
Drawing Scale

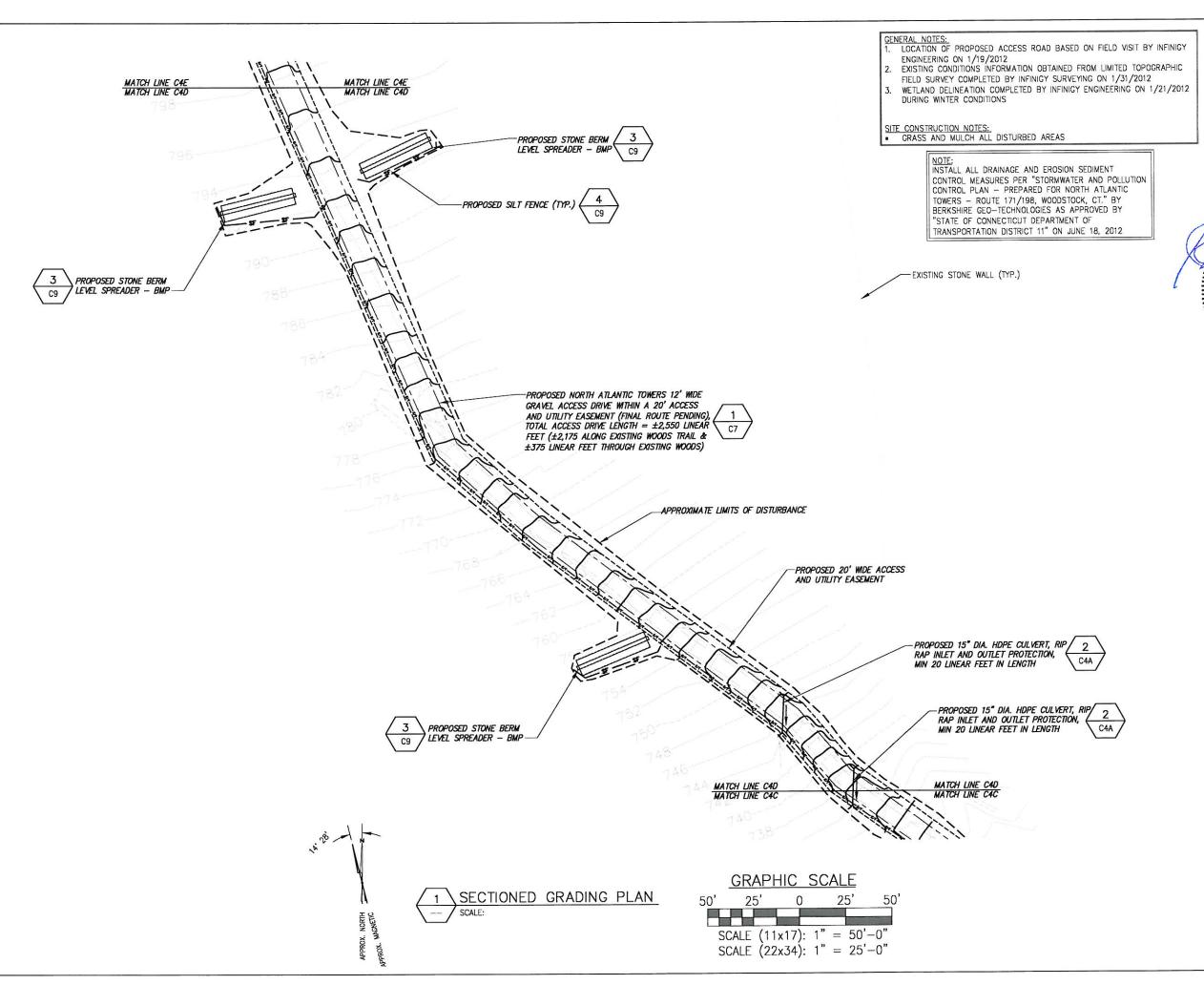
AS NOTED Date: 7/26/12

OVERALL GRADING PLAN









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ISSUED FOR REVIEW AJD 5/31/1

hecked: AJD Date 5/31/12

226-064

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ROUTE 198 WOODSTOCK, CT 06281

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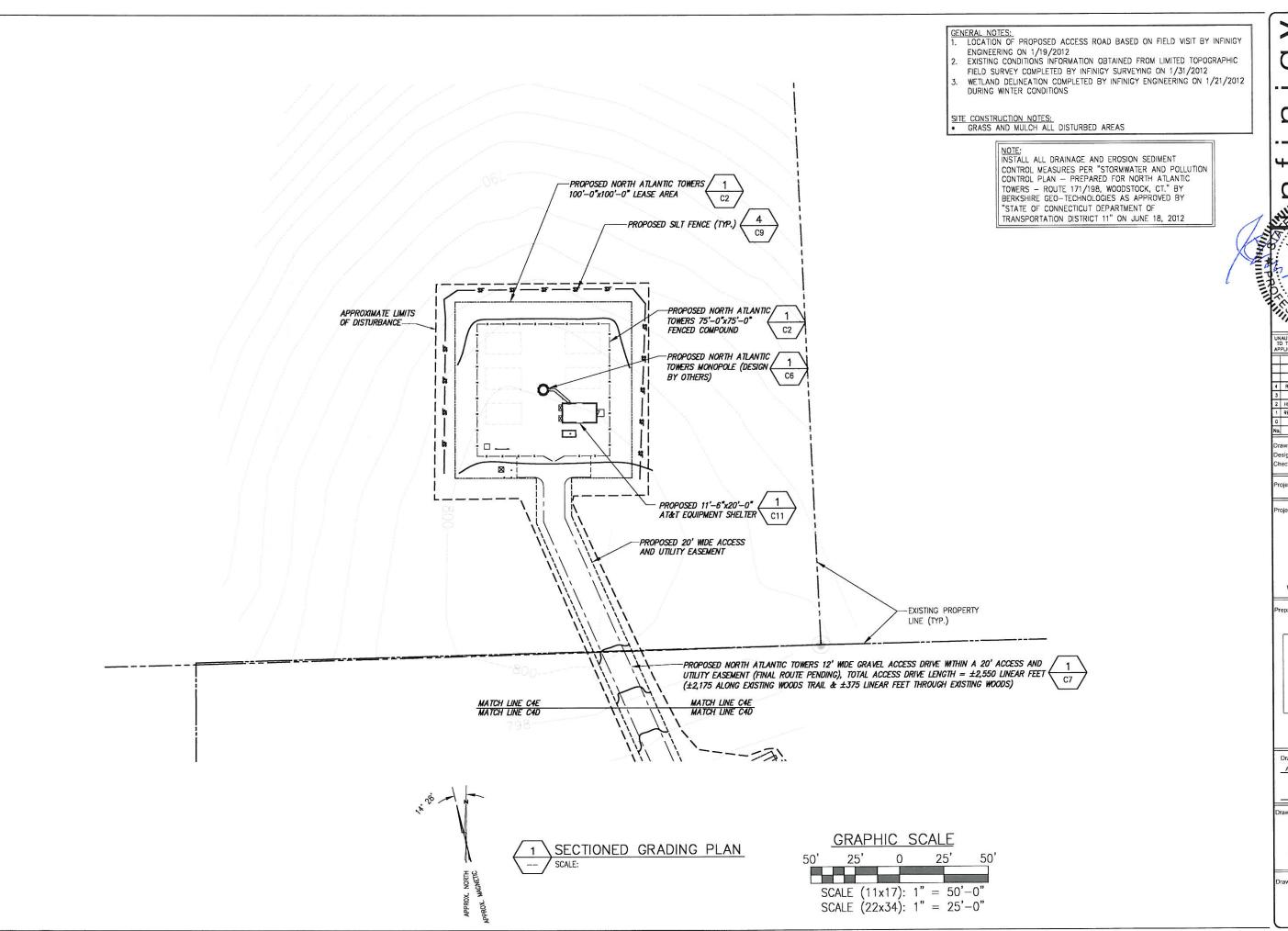
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Date 7/26/12

**ACCESS** 

ROAD GRADING PLAN

C4D



Theres Dive Latham, NY 12110 Sec. OPFICE: (518) 690-0730 FAX: (518) 690-0733

UNAUTHORIZED ALTERATION OR ADDITION TO THIS ODCUMENT IS A WOLATON OF APPLICABLE STATE AND/OR LOCAL LAWS

4. RELOCATE GENERATOR DJG 8/23/12

3. ADD ATA'T RE INFO AJD 8/8/12

1. REWISCO ROAD ENTRANCE S49 6/21/12

2. REWISCO

roject Number 226-064

Project Title

WOODSTOCK CT1182

ROUTE 198 WOODSTOCK, CT 06281

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Drawing Scale:
AS NOTED

Date

7/26/12

ACCESS ROAD GRADING PLAN

Drawing Numbe

C4E

## **GRADING & EXCAVATING NOTES:**

- ALL EXCAVATIONS ON WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUNDWATER. DEWATERING FOR EXCESS GROUNDWATER SHALL BE PROVIDED IF REQUIRED.
- CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC MATERIAL. IF SOUND SOIL IS NOT REACHED AT THE DESIGNATED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION BE FILLED WITH CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION.
- ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH EITHER MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS.
- AFTER COMPLETION OF THE FOUNDATION AND OTHER CONSTRUCTION BELOW GRADE, AND BEFORE BACKFILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH.
- 5. -USE APPROVED MATERIALS CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND -BE FREE FROM CLODS OR STONES OVER 2-1/2" MAXIMUM DIMENSIONS -BE PLACED IN 6" LAYERS AND COMPACTED TO 95% STANDARD PROCTOR EXCEPT IN GRASSED/LANDSCAPED AREAS, WHERE 90% STANDARD PROCTOR
- REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACING FILLS. PLOW, STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN SUBGRADE OR EXISTING GROUND SURFACE TO RECEIVE FILL HAS A DENSITY LESS THAN THAT REQUIRED FOR FILL, BREAK UP GROUND SURFACE TO DEPTH REQUIRED. PULVERIZE, MOISTURE-CONDITION OR AERATE SOIL AND RECOMPACT TO REQUIRED
- 7. PROTECT EXISTING GRAVEL SURFACING AND SUBGRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING OR OTHER SUITABLE MATERIALS DESIGNED TO SPREAD EQUIPMENT LOADS. REPAIR DAMAGE TO EXISTING GRAVEL SURFACING OR SUBGRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR'S OPERATIONS. DAMAGED GRAVEL SURFACING SHALL BE RESTORED TO MATCH THE ADJACENT UNDAMAGED GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS.
- REPLACE EXISTING GRAVEL SURFACING ON AREAS FROM WHICH GRAVEL SURFACING IS REMOVED DURING CONSTRUCTION OPERATIONS. GRAVEL SURFACING SHALL BE REPLACED TO MATCH EXISTING ADJACENT GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS. SURFACES OF GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES. EXISTING GRAVEL SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED IF INJURIOUS AMOUNTS OF EARTH, ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE, FURNISH ALL ADDITIONAL GRAVEL RESURFACING MATERIAL AS REQUIRED. BEFORE GRAVEL SURFACING IS REPLACED, SUBGRADE SHALL BE GRADED TO CONFORM TO REQUIRED SUBGRADE ELEVATIONS, AND LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED. DEPRESSIONS IN THE SUBGRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL MAY BE USED FOR FILLING DEPRESSIONS IN THE SUBGRADE, SUBJECT TO ENGINEER'S APPROVAL
- DAMAGE TO EXISTING STRUCTURES AND UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED/REPLACED TO OWNER'S SATISFACTION AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH PROPERTY OWNER SO AS TO AVOID INTERRUPTIONS TO PROPERTY OWNER'S OPERATIONS.
- 11. ENSURE POSITIVE DRAINAGE DURING AND AFTER COMPLETION OF CONSTRUCTION.
- ALL CUT AND FILL SLOPES SHALL BE MAXIMUM 2 HORIZONTAL TO 1 VERTICAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING SITE VEHICLE TRAFFIC AS TO NOT ALLOW VEHICLES LEAVING THE SITE TO TRACK MUD ONTO PUBLIC STREETS. THE CONTRACTOR IS RESPONSIBLE FOR CLEANING PUBLIC STREETS DUE TO MUDDY VEHICLES LEAVING

	MULCH	APPLICATION	RATES	
MATERIAL	RATE / ACRE	DEPTH	COVERAGE	ANCHORING
HAY/STRAW	90-100 BALES	4" (WINTER)	90% SURFACE	*HYDROMULCH
WOOD CHIPS	10-20 TONS	2" TO 6"	90% SURFACE	NOT NEEDED
сомроѕт	150-450 CYDS	2" TO 4"	100% SURFACE	NOT NEEDED
HYDROMULCH	2,000 LBS	1/4" TO 1/2"	100% SURFACE	**TACKIFIER

- \* HYDROMULCH ANCHORING HAY/STRAW MUST BE APPLIED AT 80 100 LBS PER ACRE
- \*\* ADD TACKIFIER PER MANUFACTURER RECOMMENDATIONS IF NOT INCLUDED IN HYDROMULCH

## GENERAL EROSION & SEDIMENT CONTROL NOTES:

- THE SOIL EROSION AND SEDIMENT CONTROL MEASURES AND DETAILS AS SHOWN HEREIN AND STIPULATED WITHIN STATE STANDARDS SHALL BE FOLLOWED AND INSTALLED IN A MANNER SO AS TO MINIMIZE SEDIMENT LEAVING THE SITE.
- 2. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS.
- EROSION CONTROL DEVICES SHALL BE INSTALLED BEFORE GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER
- CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR THE LOCAL JURISDICTION INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- 6. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE.
- FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE
- SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
- 9. ALL CUT AND FILL SLOPES MUST BE SURFACED ROUGHENED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR CONSTRUCTION.
- CONTRACTOR SHALL REMOVE ALL EROSION & SEDIMENT CONTROL MEASURES AFTER COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER.
- 11. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.

#### STONE BERM LEVEL SPREADER NOTES

# LEVEL SPREADER DIMENSIONS:

LEVEL SPREADER TROUGH MINIMUM DIMENSIONS = 30' LENGTH, 4' WIDTH, 2' HEIGHT

#### LEVEL SPREADER SEQUENCING:

- 1. LEVEL SPREADERS TO BE CONSTRUCTED IMMEDIATELY AFTER CLEARING/GRUBBING FOR THE ROADWAY AND PRIOR TO INITIATION OF ANY LAND GRADING ACTIVITIES
- 2. LEVEL SPREADERS TO FUNCTION AS SEDIMENT DEVICES PRIOR TO INSTALLATION OF GRAVEL ROAD, AFTER WHICH THEY MUST BE CLEANED OF ACCUMULATED SEDIMENT AND RESTORED TO THEIR ORIGINAL DESIGN VOLUMES THEN IMMEDIATELY STABILIZED

- OPERATION AND MAINTENANCE REQUIREMENTS:

  1. STORAGE AREA OF LEVEL SPREADERS TO BE INSPECTED ON AN BI-ANNUAL BASIS
  2. ACCUMULATED SEDIMENTS TO BE REMOVED TO RESTORE ORIGINAL DESIGN DIMENSION
- DISPOSAL OF SEDIMENTS MUST BE IN AN AREA AWAY FOR CONCENTRATED FLOWS
- 4. DISTURBED SOILS MUST BE IMMEDIATELY STABILIZED WITH GRASS SEED AND MULCH

# PROTECTED FORESTED BUFFER NOTES

- OPERATION AND MAINTENANCE:

  1. REMOVAL OF VEGETATION IN FORESTED BUFFERS BELOW LEVEL SPREADERS IS TO BE PROHIBITED FOR THE DURATION OF THE CURRENT AND FUTURE LEASE PERIODS
- 2. BUFFER AREAS ARE TO BE INSPECTED ANNUALLY FOR EVIDENCE OF CHANNELIZATION OR SOIL EROSION BY RUNOFF ORIGINATING FROM THE LEVEL SPREADERS AND FOR REMOVAL OF VEGETATION IN THE DESIGNATED BUFFER AREAS ON THE SITE PLANS

	VEGE	TATIV	E SCHEE	ULE		
	SPECIES	RATE/1000 S.F.		F.	DATE	
TALL FESCUE GRASS		1.0#		AP	APRIL 1 - OCTOBER 15	
SERICEA LESPEDEZA SEED BEARING HAY WITH OVERSEEDING WEEPING LOVEGRASS					OCTOBER 1 - MARCH 15 MARCH 15 - MAY 1	
	F	ERTIL	IZER MIX	<		
APPLICATION	N, #/ACRE	P <sub>2</sub> O <sub>5</sub>	, #/ACRE	K <sub>2</sub> O,	#/ACR	E N, TOP DRESSING
1st	60 - 90	120 - 180		120 - 180		50
2nd	60	120		120		_

- GRASS AND MULCH ALL DISTURBED AREAS WITHIN SEVEN(7) DAYS OF FINAL GRADING

#### HYDRAULIC SEEDING EQUIPMENT

WHEN HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS USED, NO GRADING AND SHAPING OR SEEDBED PREPARATION WILL BE REQUIRED. THE FERTILIZER, SEED AND WOOD CELLULOSE FIBER MULCH WILL BE MIXED WITH WATER AND APPLIED IN A SLURRY. ALL SLURRY INGREDIENTS MUST BE COMBINED TO FORM A HOMOGENEOUS MIXTURE, AND SPREAD UNIFORMLY OVER THE AREA  $\ell$ WITHIN ONE HOUR AFTER MIXTURE IS MADE. STRAW OR HAY MULCH AND ASPHALT EMULSION WILL BE APPLIED WITH BLOWER-TYPE MULCH SPREADING EQUIPMENT WITHIN 24 HOURS AFTER SEEDING, THE MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED.

#### CONVENTIONAL SEEDING EQUIPMENT

GRADE, SHAPE AND SMOOTH WHERE NEEDED TO PROVIDE FOR SAFE EQUIPMENT OPERATION AT SEEDING TIME AND FOR MAINTENANCE PURPOSES. THE LIME AND FERTILIZER IN DRY FORM WILL BE SPREAD UNIFORMLY OVER THE AREA IMMEDIATELY BEFORE SEEDBED PREPARATION. SEEDBED WILL BE PREPARED BY SCARIFYING TO A DEPTH OF 1 TO 4 INCHES AS DETERMINED ON SITE. THE SEEDBED MUST BE WELL PULVERIZED, SMOOTHED AND FIRMED. SEEDING WILL BE DONE WITH CULTIPACKER-SEEDER, DRILL, ROTARY SEEDER OR OTHER MECHANICAL OR HAND SEEDER. SEED WILL BE DISTRIBUTED UNIFORMLY OVER A FRESHLY PREPARED SEEDBED AND COVERED LIGHTLY. WITHIN 24 HOURS AFTER SEEDING, STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEADING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED. MULCH WILL BE SPREAD WITH BLOWER-TYPE MULCH EQUIPMENT OR BY HAND AND ANCHORED IMMEDIATELY AFTER IT IS SPREAD. A DISK HARROW WITH THE DISK SET STRAIGHT OR A SPECIAL PACKER DISK MAY BE USED TO PRESS THE MULCH INTO THE SOIL.

# PROJECTS WITH CT CONSTRUCTION STORMWATER GENERAL PERMIT COVERAGE

## CONSTRUCTION SEQUENCE/EROSION CONTROL NOTES

ALL PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO INITIATING EARTH MOVING OPERATIONS.
ALL SWALES SHALL BE INSTALLED EARLY IN THE CONSTRUCTION SEQUENCE (BEFORE ROUGH GRADING).
ALL DITCHES, LEVEL SPREADERS, AND SWALES SHALL BE STABILIZED PRIOR TO RECEIVING RUNOFF. ALL ROADS AND PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. ALL CUT OR FILL SLOPES SHALL BE SEEDED/LOAMED WITHIN 24 HOURS OF ACHIEVING FINISHED GRADE. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER EVERY 0.5" OF RAINFALL.

## LIMITS ON SIZE OF ALLOWABLE DISTURBED AREA:

THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL FXCFFD 5 ACRES AT ANY ONE TIME BEFORE PREVIOUSLY DISTURBED AREAS HAVE BEEN STABILIZED.

# DEFINITION OF STABLE:

- AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED: . BASE COURSE OF GRAVEL HAS BEEN INSTALLED IN AREAS TO BE PAVED OR TO BE GRAVEL ROADS.
- A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED AND MAINTAINED.
   A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH STONE OR RIPRAP HAS BEEN INSTALLED.
- · OR, ROLLED EROSION CONTROL PRODUCTS (RECPs) HAVE BEEN PROPERLY INSTALLED.

#### TIME LIMIT OF EXPOSED SOIL:

ALL AREAS IN THE PROPOSED PROJECT SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.

## STANDARD WINTER NOTES (WHEN APPLICABLE):

ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR

ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.

AFTER NOVEMBER 15, INCOMPLETE ROADWAYS, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL.



UNAUTIC SE STATE AND/OR LOCA ADD AT&T RF INFO AJD 8/8/12 2 HEIGHT REDUCED TO 110' AJD 7/26/ 1 REVISED ROAD ENTRANCE SKB 5/21/ 0 ISSUED FOR REVIEW AJD 5/31/

Drawn \_\_\_\_\_\_ NJB \_\_ Date \_\_ 5/31/12 Designed \_\_\_\_\_\_ Date.\_\_\_\_ 5/31/12 hecked \_\_\_\_ AJD \_\_ Date \_\_ 5/31/12\_

roject Number 226-064

roject Title

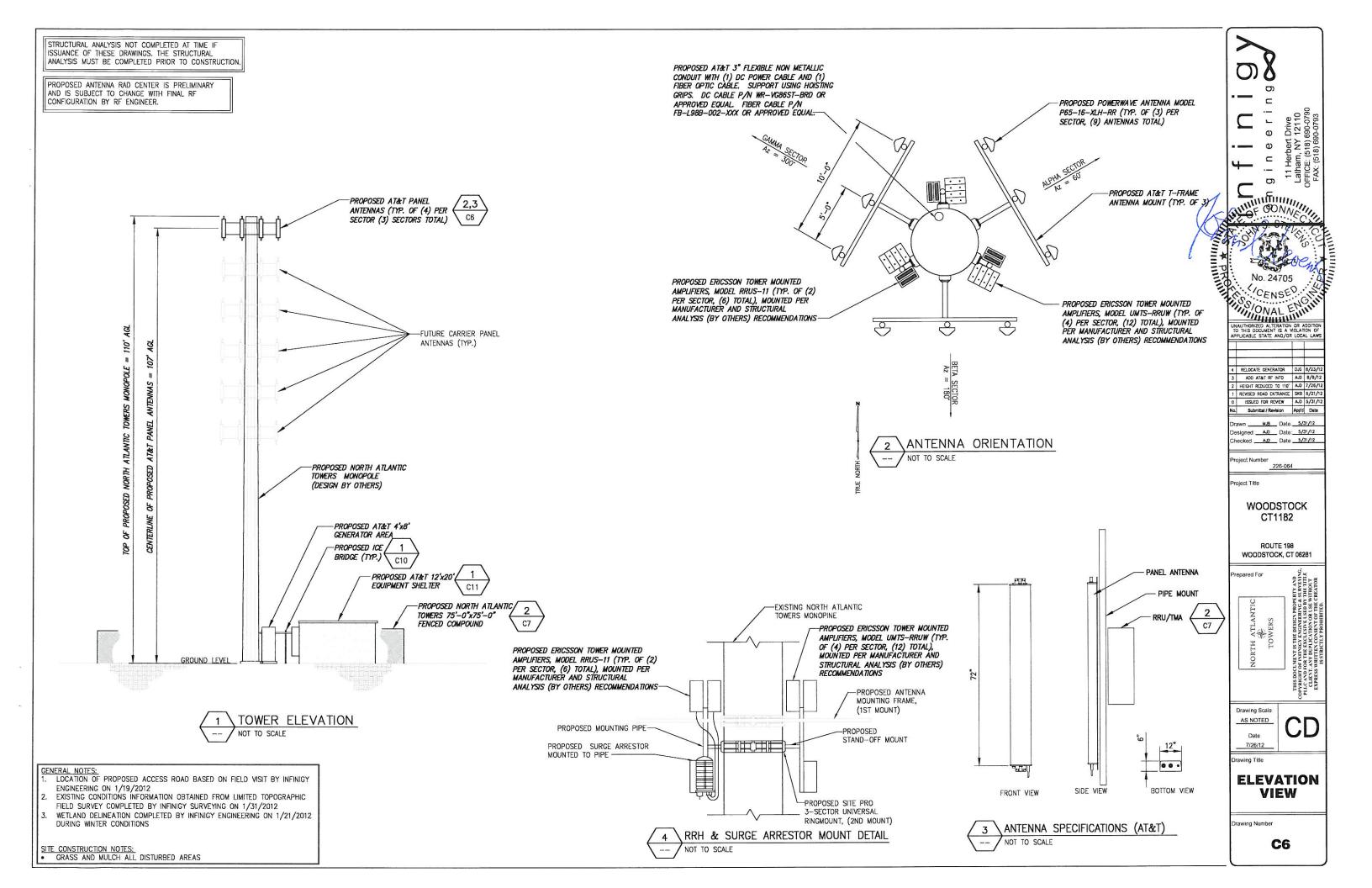
WOODSTOCK CT1182

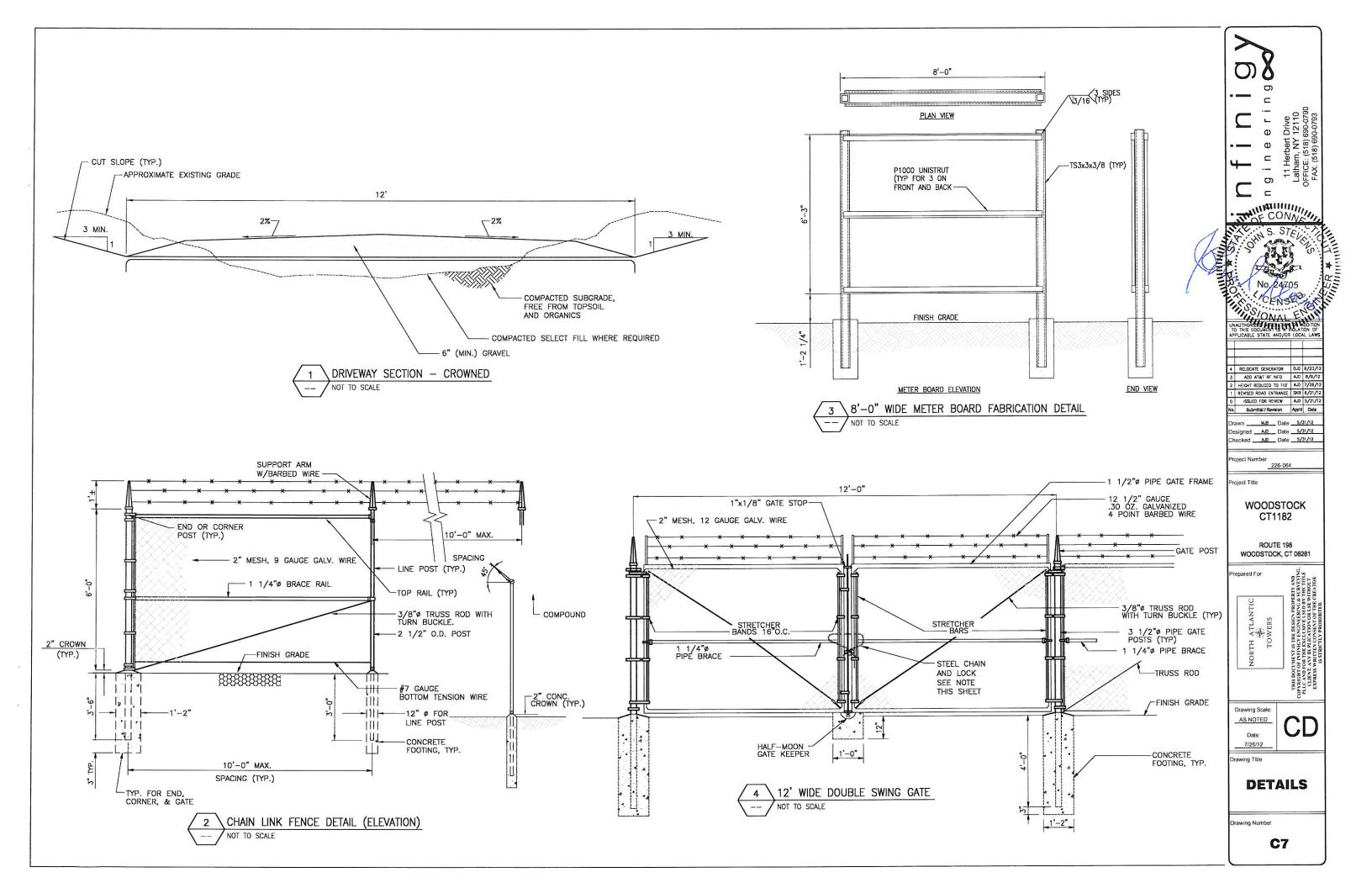
ROUTE 198 WOODSTOCK, CT 06281

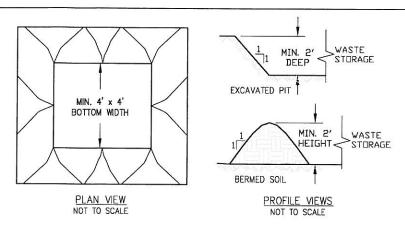
COPYRIG PLLC A CLIE Drawing Scale AS NOTED Date

7/26/12

GRADING **NOTES &** DETAILS



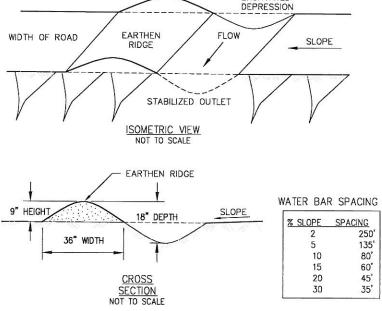




#### CONSTRUCTION SPECIFICATIONS

- 1. LOCATE CONTAINMENT PIT ON RELATIVELY LEVEL GROUND
- 2. DO NOT LOCATE WITHIN 100 FT OF WETLANDS OR STREAMS
- 3. CLEAN OUT ACCUMULATED WASTE WHEN PIT IS 50% FULL
- 4. CONTAINMENT AREA MAY BE CREATED BY BERMED UP SOIL



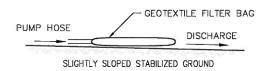


**FXCAVATED** 

# CONSTRUCTION SPECIFICATIONS

- 1. INSTALL WATER BARS AS SOON AS THE RIGHT OF WAY IS CLEARED AND GRUBBED.
- PLACE MATERIAL FROM THE DIP ONTO THE RIDGE BEFORE CONSTRUCTING ROAD BED. TRACK THE RIDGE SEVERAL TIMES TO COMPACT IT TO THE DESIGN CROSS SECTION.
- 3. WATER BAR SHALL EXTEND ACROSS ENTIRE ROADWAY WIDTH AT DESIGN SPACING.
- 4. OUTLET SHALL BE LOCATED ON AN UNDISTURBED AREA WITH EXISTING VEGETATION, ADJUSTED SPACING TO USE THE MOST STABLE OUTLET AREAS. OUTLET PROTECTION MUST BE PROVIDED WHEN EXISTING VEGETATED AREAS ARE NOT SUFFICIENTLY STABLE.
- CROSSING WITH HEAVY VEHICLE USE SHALL BE STABILIZED WITH A 6" GRAVEL LAYER. EXPOSED AREAS OF THE WATER BAR SHALL BE IMMEDIATELY SEEDED AND MULCHED.
- PERIODICALLY INSPECT WATER BARS FOR EROSION DAMAGE AND SEDIMENT BUILDUP. OBSERVE OUTLET AREAS AND MAKE REPAIRS AS NEEDED TO RESTORE OPERATION.

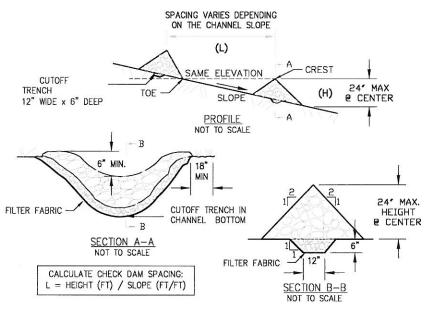




# CONSTRUCTION SPECIFICATIONS

- 1. INSTALL AT DISCHARGE HOSE END WHENEVER DEWATERING
- 2. DO NOT LOCATE WITHIN 100 FT OF WETLANDS OR STREAMS
- 3. CLEAN OUT ACCUMULATED SEDIMENT WHEN FABRIC CLOGS
- 4. MAY USE CONTAINMENT AREA AS AN ALTERNATIVE METHOD



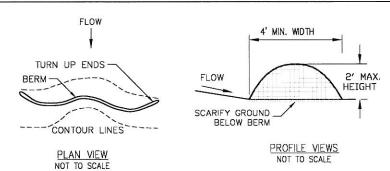


# CONSTRUCTION SPECIFICATIONS

- STONE WILL BE PLACED ON A FILTER FABRIC LAYER IN THE TRENCH TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE EROSION AND SEDIMENT CONTROL PLAN.
- SET SPACING OF CHECK DAMS TO ALIGN THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
- 3. EXTEND THE STONE A MINIMUM OF 18 INCHES BEYOND THE DITCH SIDE SLOPES TO PREVENT CUTTING AROUND THE DAM. ENSURE CREST IS 6" LOWER THAN SIDES.
- 4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH A STONE SPLASH PAD OR EXTEND THE FILTER FABRIC LAYER.
- 5. ENSURE THAT CHANNEL APPURTENANCES (i.e. CULVERTS OR CATCH BASINS) BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
- MAINTENANCE REMOVE ACCUMULATED SEDIMENT FROM BEHIND CHECK DAMS, REPAIR ANY SIDE SLOPES THAT HAVE ERODED, AND REPLACE ANY OF THE DISPLACED STONE.

MAXIMUM DRAINAGE AREA LESS THAN 1 ACRE.

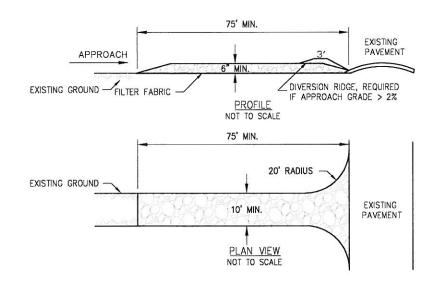




# CONSTRUCTION SPECIFICATIONS

- 1. INSTALL EROSION CONTROL BERMS ON THE CONTOUR TO POND RUNOFF
- 2. BERMS MAY BE USED AS AN ALTERNATIVE TO PERIMETER SILT FENCE
- USE RESTRICTED TO AREAS OF SHEET FLOW, DO NOT USE IN SWALES
   REMOVE SEDIMENTS WHEN STORAGE CAPACITY IS REDUCED BY 50%
- 5. BERMS CONSIST OF 50% ORGANIC MATERIAL AND 50% TOPSOIL MIX
- 6. LOOSELY PLACE MATERIAL TO ALLOW FILTRATION, DO NOT COMPACT
- 7. COMPOST MAY BE UTILIZED INSTEAD OF AN ONSITE MATERIAL MIXTURE

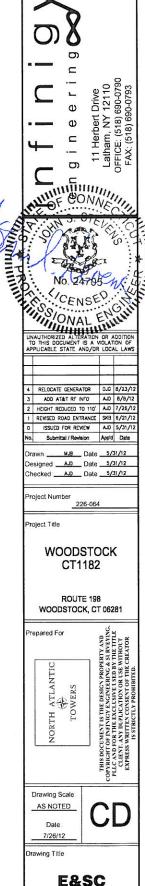




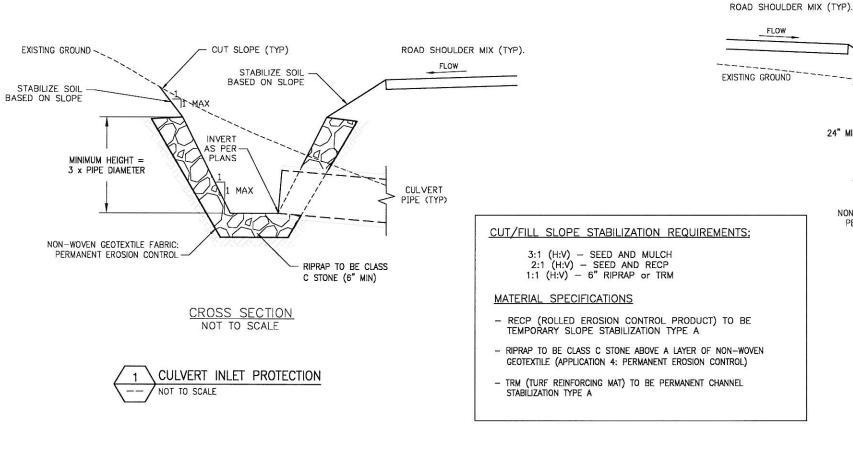
#### CONSTRUCTION SPECIFICATIONS

- 1. STONE SIZE USE 3" CRUSHED STONE, OR RECYCLED CONCRETE EQUIVALENT.
- 2. LENGTH NOT LESS THAN 75 FEET (EXCEPT IF MOUNTABLE BERM IS INSTALLED)
- 3. THICKNESS NOT LESS THAN SIX (6) INCHES.
- 4. WIDTH TEN (10) FOOT MINIMUM, BUT NOT LESS THAN FULL ENTRANCE WIDTH.
- 5. FILTER FABRIC PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONE LAYER
- 6. DIVERSION RIDGE REQUIRED IF APPROACH GRADE EXCEEDS 2% (MIN 6" HIGH)
- 7. MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS—OF—WAY (ROW). SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS—OF—WAY MUST BE REMOVED IMMEDIATELY. AND PROPERLY DISPOSED ON THE PROJECT SITE.
- 8. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO ROADS.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH CRUSHED STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR BASIN.
- 10. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.





DETAILS



SPREADER TROUGH

TOPSOIL AND HYDROSEED TRM PER

TOP OF STONE

CROSS SECTION

NOT TO SCALE

NOT TO SCALE

LEVEL SPREADER DETAIL

MANUFACTURER SPECIFICATIONS

CONSTRUCT AS EMBANKMENT:

MIN. TROUGH DEPTH

EXCAVATE A KEYWAY AND

COMPACT SOIL IN 8" LIFTS

1' FREEBOARD

COMPACTED NATIVE SOIL,

FREE FROM TOPSOIL AND

ANY ORGANIC MATERIAL

STONE BERM GRADATION

SPREADER STONE BERM

\* SEE GRADING PLAN FOR LOCATIONS OF SWALES AND ADDITIONAL DIMENSIONS WITH ELEVATIONS RIP RAP SWALE NOT TO SCALE WIRE FENCE- WHERE REQUIRED COMMERCIAL TYPE C SILT FABRIC ON UPSTREAM SIDE OF FENCE FORESTED BUFFER BMP MIN. 2' WIDE EMBANKMENT BERM MIN GROUNDLINE NOTE: DIG TRENCH 2' WIDE LEVEL SPREADER WEIR 2. LAY IN FABRIC TO BOTTOM OF TRENCH 3. BACKFILL TRENCH, COVERING FABRIC 4. COMPACT TRENCH 18" MIN. BERM HEIGHT FROM TOP OF TROUGH 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY POSTS: STEEL EITHER T OR U GRADE INTO EXISTING CONTOURS TO FENCE POSTS WITH WIRE TIES OR STAPLES. AS SHOWN ON SITE PLANS (TYP)

STABILIZE SOIL

24" MIN. HEIGHT

UNDISTURBED EXISTING

(FORESTED BUFFER BMP)

VEGETATED GROUND

ANCHOR END FLAP OF TRM PER

MANUFACTURER'S INSTRUCTIONS

NON-WOVEN GEOTEXTILE FABRIC:

PERMANENT EROSION CONTROL

BASED ON SLOPE

WATER SURFACE OF 25 YR STORM

CROSS SECTION

NOT TO SCALE

#### CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1 FREEBOARD

1.0% - 5.0%

12.0% - 20.0%

- 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED.
- 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULDGES" DEVELOP IN THE SILT FENCE.
- 5. ALL SILT FENCE MATERIALS MUST BE LISTED ON THE CURRENT STATES. D.O.T. QUALIFIED PRODUCTS LIST #36.

FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING. AS DIRECTED BY BANKS CO.

FILTER CLOTH: FILTER X, MIRAFI 100X' STABILINKA T140N OR APPROVED EQUAL.

GRADE INTO EXISTING CONTOURS

RIPRAP SHOWN, SEE TABLE

BELOW FOR REQUIREMENTS

SEED AND HAY/STRAW MULCH

6" CLASS C STONE ABOVE A

DIRECTION

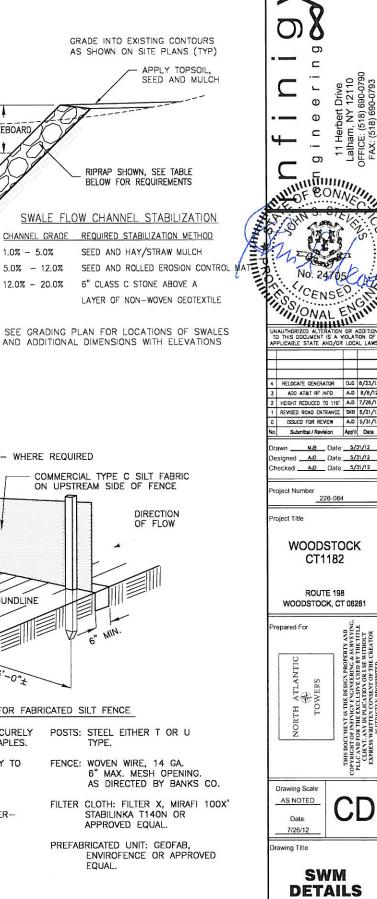
OF FLOW

CHANNEL GRADE REQUIRED STABILIZATION METHOD

APPLY TOPSOIL

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED FOUAL.

SILT FENCE DETAIL NOT TO SCALE



C9

REFERENCES:

EXISTING

**GROUND** 

SEE TABLE 3A ON SHEET Z5 FOR LEVEL SPREADER DIMENSIONS.

DIVERSION BERM

BERM DIMENSIONS AS SHOWN

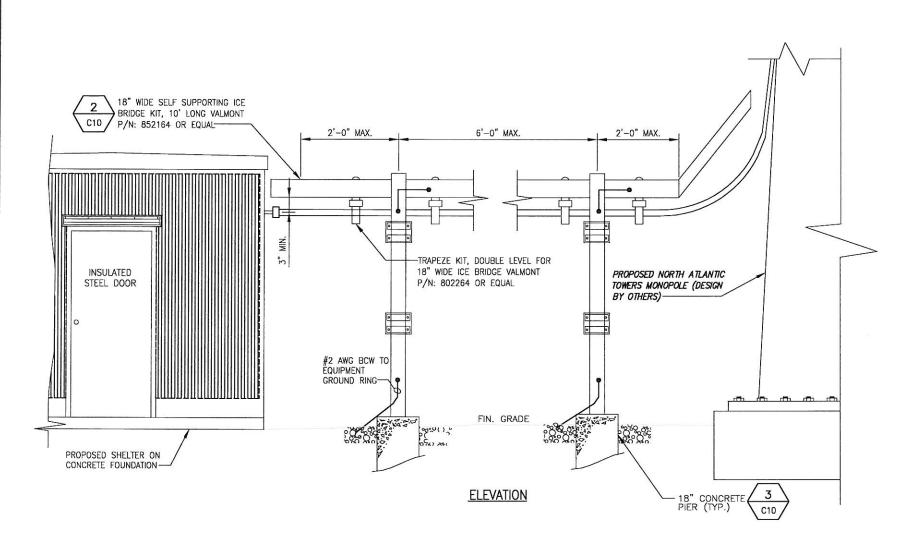
APPLY TOPSOIL,

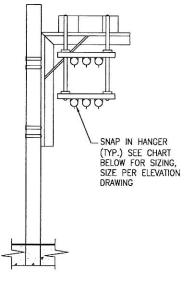
1 MAX

TRM (TURF REINFORCEMENT MAT) PERMANENT CHANNEL STABILIZATION

SEED AND MULCH

ON APPROVED SITE PLANS





#### NOTES:

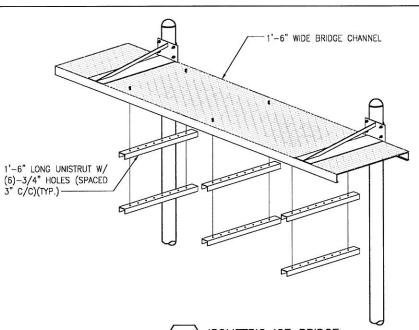
- WHEN USING VALMONT COMPONENTS AS SHOWN IN STANDARD DETAILS, MAXIMUM ALLOWABLE SPAN BETWEEN SUPPORTS ON A CONTINUOUS SINGLE SECTION OF BRIDGE CHANNEL SHALL BE 19 FEET FOR 20 FEET BRIDGE CHANNEL, OR 9 FEET FOR 10 FEET BRIDGE CHANNEL.
- 2. WHEN USING VALMONT COMPONENTS FOR SPLICING BRIDGE CHANNEL SECTIONS, THE SPLICE SHOULD BE PROVIDED AT THE SUPPORT, IF POSSIBLE, OR AT A MAXIMUM OF 2 FEET FROM THE SUPPORT.
- WHEN USING VALMONT COMPONENTS, SUPPORT SHOULD BE PROVIDED AS CLOSE AS POSSIBLE TO THE ENDS OF ICE BRIDGES, WITH A MAXIMUM CANTILEVER DISTANCE OF 2 FEET FROM THE SUPPORT TO THE FREE END OF THE ICE BRIDGE.
- 4. CUT BRIDGE CHANNEL SECTIONS SHOULD HAVE RAW EDGES TREATED WITH A MATERIAL TO RESTORE THE EDGES TO THE ORIGINAL CHANNEL, OR EQUIVALENT, FINISH.
- 5. ICE BRIDGES MAY BE CONSTRUCTED WITH COMPONENTS FROM MANUFACTURERS OTHER THAN PIROD, PROVIDED THE MANUFACTURER'S INSTALLATION GUIDELINES ARE FOLLOWED.
- 6. DEVIATIONS FROM STANDARDS FOR COMPONENT INSTALLATIONS ARE PERMITTED WITH THE RESPECTIVE MANUFACTURER'S APPROVAL.
- 7. ATTACH FLANGED END OF SUPPORT POST TO CONCRETE PAD USING 4 3/8" DIA. HILT-HY 150 ADHESIVE ANCHORS. PROVIDE MINIMUM OF 4 1/2" EMBEDMENT.
- 8. DEVIATIONS FROM ICE BRIDGE FOUNDATIONS SHOWN ON SITE SPECIFIC DRAWINGS OR STANDARD DETAILS REQUIRE ENGINEERING APPROVAL.



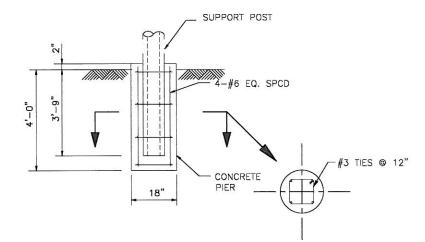
## SNAP IN HANGER SIZING CHART

SIZE	ANDREW P/N	
7/8"	436807	
1-5/8"	439849	

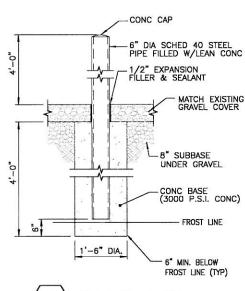
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# 2 ISOMETRIC ICE BRIDGE NOT TO SCALE



# SUPPORT POST FOOTING NOT TO SCALE



4 BOLLARD DETAIL

NOT TO SCALE

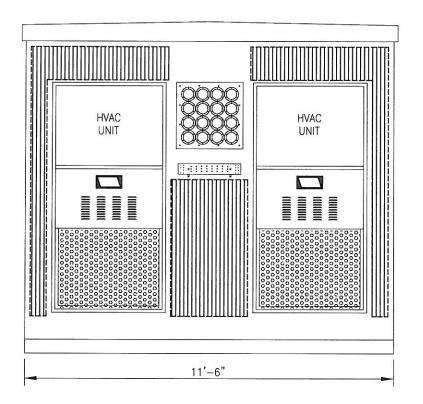
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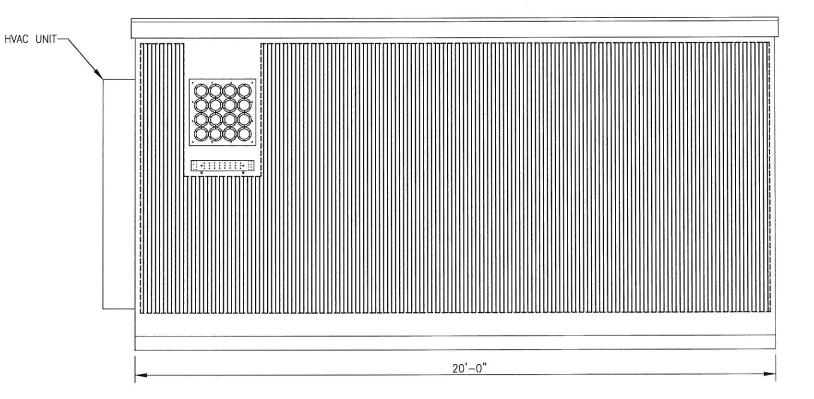
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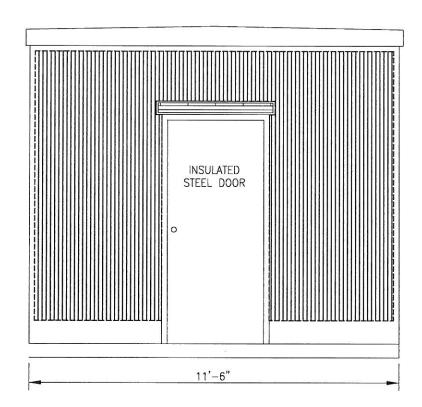
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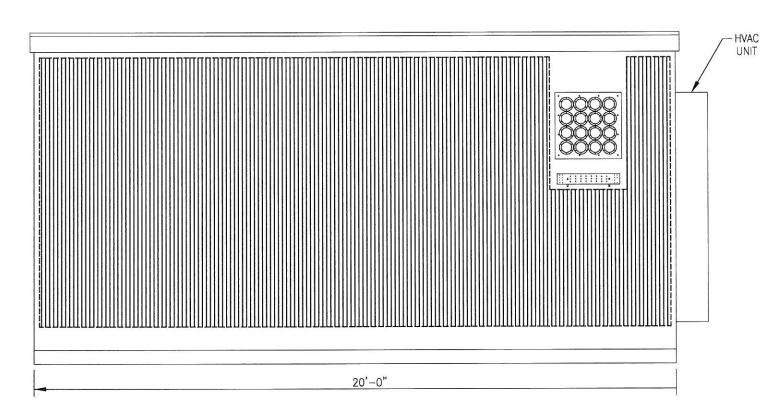
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**DETAILS** 









NOTE: THE SHELTER SHOWN IS OF A TYPICAL LAYOUT ONLY. CONTRACTOR TO REFER TO FINAL MANUFACTURER'S SHELTER DESIGN DRAWINGS FOR EXACT DIMENSIONS, EQUIPMENT LOCATIONS AND CONDUIT PENETRATIONS, ETC., PRIOR TO CONSTRUCTION.

TYPICAL EQUIPMENT BUILDING NOT TO SCALE

В  $\Box$ 11 Herbert Drive Latham, NY 12110 OFFICE: (518) 690-0790 FAX: (518) 690-0793 <u>г</u> Б Φ g i THING GONNEY No. 24705 M. III UNAUTHORIZED ALTERATION OR ADDITIO TO THIS DOCUMENT IS A VIOLATION OF APPLICABLE STATE, AND/OR LOCAL LAW 4 RELOCATE GENERATOR DJG 8/23/12 ADD AT&T RF INFO AJD 8/8/12 2 HEIGHT REDUCED TO 110' AJD 7/26/ 1 REMSED ROAD ENTRANCE SKB 6/21/12
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 oject Number 226-064 ject Title WOODSTOCK CT1182 ROUTE 198 WOODSTOCK, CT 06281

repared For

north atlantic

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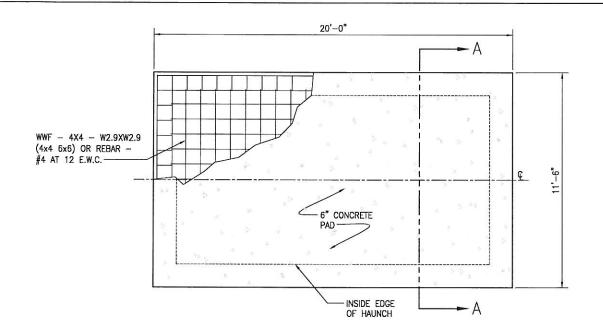
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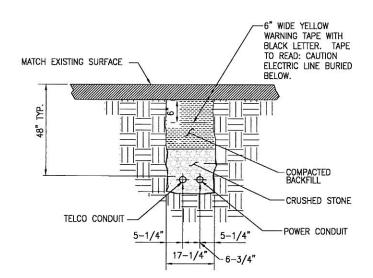
**SHELTER DETAILS** 

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SHELTER FOUNDATION PLAN

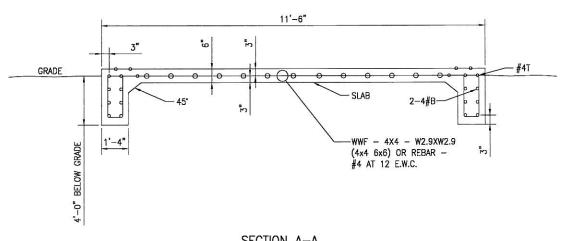
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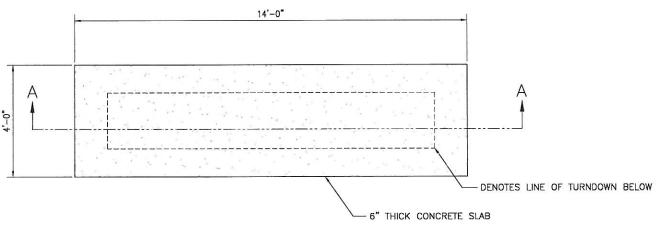
- NOTE:

  1. NUMBER AND SIZE OF CONDUITS MAY VARY. REFER TO CONSTRUCTION DRAWINGS FOR CONDUIT SIZE AND LOCATION. CONFIRM DIMENSIONS SHOWN WITH UTILITY COMPANY.
- CONTRACTOR TO VERIFY IN FIELD THE LOCATION, SIZE, TYPE, AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO DIGGING THE SERVICE TRENCH. PROVIDE A MINIMUM OF 18" CLEARANCE BETWEEN PROPOSED UTILITIES AND EXISTING UTILITIES IN THE CASE

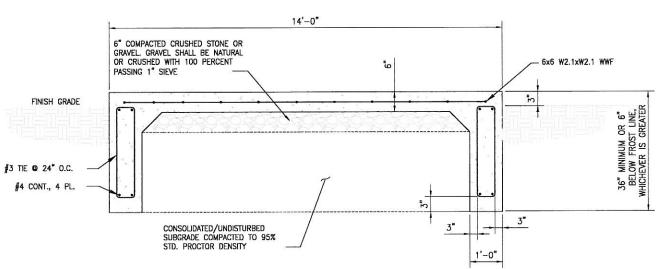




SECTION A-A



# PLAN VIEW



- ALL MATERIALS FURNISHED BY CONTRACTOR UNLESS OTHERWISE NOTED
   EXISTING SOILS BENEATH FOUNDATION SHALL HAVE A MINIMUM NET ALLOWABLE BEARING PRESSURE OF 2000 PSF.

  3. GENERATOR INFORMATION TO BE PROVIDED PRIOR

TYPICAL GENERATOR PAD DETAIL NOT TO SCALE

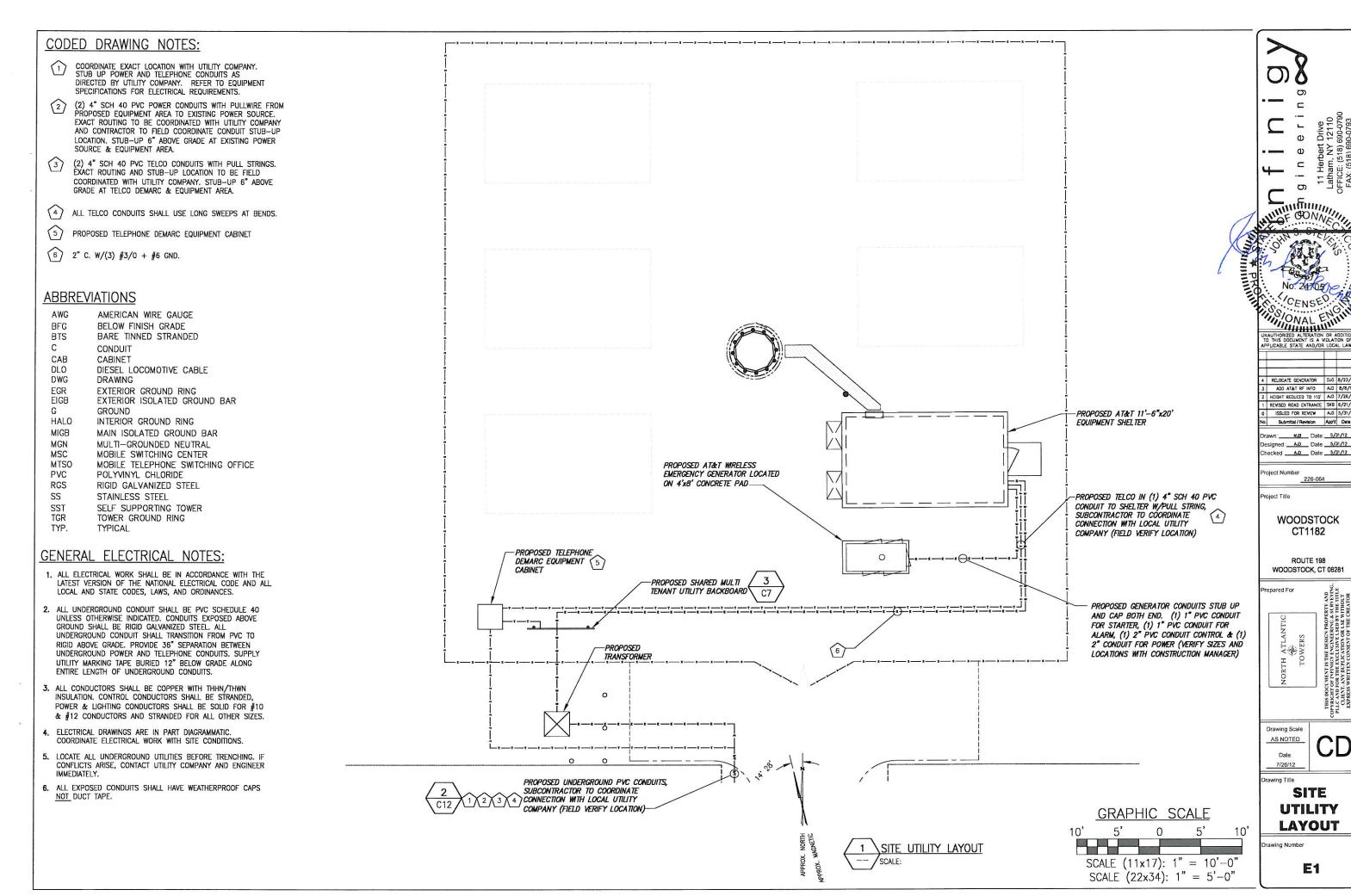
SECTION A-A

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awing Title

Drawing Number

**DETAILS** 



#### **GENERAL NOTES:**

#### 1. INSPECTIONS

- A. GENERAL: DURING AND UPON COMPLETION OF THE WORK, ARRANGE AND PAY ALL ASSOCIATED INSPECTIONS OF ALL ELECTRICAL WORK INSTALLED UNDER THIS CONTRACT IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT. INSTALLATION SHALL COMPLY WITH APPLICABLE LAWS AND ORDINANCES, UTILITY COMPANY REQUIREMENTS, AND THE LATEST EDITION OF NEC, NFC, NEMA, OSHA, SBC, AND UL.
- B. INSPECTIONS REQUIRED: AS PER THE LAWS AND REGULATIONS OF THE LOCAL AND/OR STATE AGENCIES HAVING JURISDICTION AT THE PROJECT SITE.
- C. INSPECTION AGENCY: APPROVED BY THE LOCAL AND/OR STATE AGENCIES HAVING JURISDIC— TION AT THE PROJECT SITE.
- D. CERTIFICATES: SUBMIT ALL REQUIRED INSPECTION CERTIFICATES.

#### 2. HANGERS AND SUPPORTS

- A. MATERIALS: ALL HANGERS, SUPPORTS, FASTENERS AND HARDWARE SHALL BE ZINC COATED OR OF EQUIVALENT CORROSION RESISTANCE BY TREATMENT OR INHERENT PROPERTY, AND SHALL BE MANUFACTURED PRODUCTS DESIGNED FOR THE APPLICATION. PRODUCTS FOR OUTDOOR USE SHALL BE HOT DIP GALVANIZED.
- B. TYPES: HANGERS, STRAPS, RISER SUPPORTS, CLAMPS, U-CHANNEL, THREADED RODS, ETC. AS INDICATED OR REQUIRED.
- C. INSTALLATION: RIGIDLY SUPPORT AND SECURE ALL MATERIALS, RACEWAY AND EQUIPMENT TO BUILDING STRUCTURE USING HANGERS, SUPPORTS AND FASTENERS SUITABLE FOR THE USE. MATERIALS AND LOADS ENCOUNTERED. PROVIDE ALL NECESSARY HARDWARE. PROVIDE CONDUIT SUPPORTS AT MAXIMUM 5 FT. O.C.
- D: STRUCTURAL MEMBERS: DO NOT CUT, DRILL, OR WELD ANY STRUCTURAL MEMBER EXCEPT AS SPECIFICALLY APPROVED BY THE ENGINEER.
- E. MISCELLANEOUS SUPPORTS: PROVIDE ANY ADDITIONAL STRUCTURAL SUPPORT STEEL BRACKETS, ANGLES, FASTENERS AND HARDWARE AS REQUIRED TO ADEQUATELY SUPPORT ALL ELECTRICAL MATERIALS AND EQUIPMENT.
- F. ONE HOLE STRAPS SHALL NOT BE USED FOR CONDUITS LARGER THAN 3/4 INCH.

#### 3. ENCLOSURES

A. NEMA 3R

#### 4. HOLES, SLEEVES AND OPENINGS

GENERAL: PROVIDE ALL HOLES, SLEEVES, AND OPENINGS REQUIRED FOR THE COMPLETION OF WORK AND RESTORE ALL SURFACES DAMAGED TO MATCH SURROUNDING SURFACES.

#### 5. CUTTING AND PATCHING

- A. GENERAL: PROVIDE ALL CUTTING, DRILLING, FITTING AND PATCHING NECESSARY FOR ACCOMPLISHING THE WORK. THIS INCLUDES ANY AND ALL WORK NECESSARY TO: UNCOVER WORK TO PROVIDE FOR THE INSTALLATION OF ILL TIMED WORK, REMOVE AND REPLACE DEFECTIVE WORK AND WORK NOT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- B. REPAIRS: REPAIR ANY AND ALL DAMAGE TO WORK OF OTHER TRADES CAUSED BY CUTTING AND PATCHING OPERATIONS, USING SKILLED MECHANICS OF THE TRADES INVOLVED.

#### 6. RACEWAY SYSTEMS

- A. FOR INITIAL ANCHOR TENANT: ALL CONDUIT AND ALL CONDUIT ELBOWS SHALL BE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE
- B. FOR FUTURE CARRIERS: ALL ABOVE GRADE CONDUIT AND ALL CONDUIT ELBOWS SHALL BE RIGID GALVANIZED STEEL UNLESS NOTED OTHERWISE. ALL BELOW GRADE CONDUIT (EXCEPT ELBOWS) SHALL BE SCHEDULE 40 PVC.
- C. TOWER LIGHT CIRCUIT FROM CONTROLLER TO LIGHTS SHALL BE SCHEDULE 40 PVC. RACEWAY BURIAL DEPTH SHALL BE AS PER NEC. USE CLEAN SAND BACKFILL FOR ALL BURIED RACEWAY SYSTEMS.

## CONDUCTORS

USE 98% CONDUCTIVITY COPPER WITH TYPE XHHW-2 INSULATION, 600 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG, STRANDED CONDUCTORS FOR WIRE LARGER THAN NO. 8. USE PRESSURE-TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER, SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.

#### 8. ELECTRIC SERVICE

- A. GENERAL: COMPLY WITH AND COORDINATE ALL REQUIREMENTS OF THE UTILITY COMPANY.
- B. SHORT CIRCUIT RATINGS: PROVIDE EQUIPMENT WITH HIGHER FAULT CURRENT RATINGS AS NEEDED TO MATCH UTILITY COMPANY AVAILABLE FAULT CURRENT.

#### TELEPHONE SERVICE

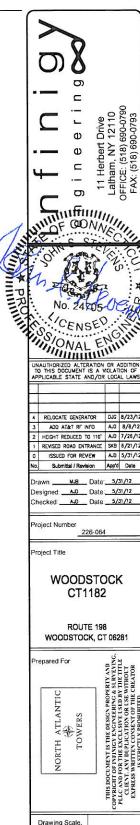
A. GENERAL: INSTALLATION SHALL BE IN ACCORDANCE WITH TELEPHONE UTILITY COMPANY'S RULES AND REGULATIONS. UTILIZE LONG SWEEP BENDS IN ALL TELEPHONE CONDUITS.

#### GROUNDING SYSTEM

A. INSTALLATION: INSTALL AS INDICATED ON THE DRAWINGS AND AS REQUIRED. OWNER'S REPRESENTATIVE WILL INSPECT CADWELDS AND CONDUCT MEGGER TEST PRIOR TO BURIAL. MAXIMUM 5 OHMS RESISTANCE IS REQUIRED. USE CLEAN SAND AND CLAY BACKFILL FOR BURIED GROUND CONDUCTORS

#### 11. CHECKOUT, TESTING AND ADJUSTING

- A. CORRECTION/REPLACEMENT: AFTER TESTING BY CONTRACTOR, OWNER OR ENGINEER, CORRECT ANY DEFICIENCIES AND REPLACE MATERIALS AND EQUIPMENT SHOWN TO BE DEFECTIVE OR UNABLE TO PERFORM AT DESIGN OR RATED CAPACITY.
- POWER CONDUCTORS: CONTRACTOR SHALL CONDUCT A CONTINUITY & INSULATION TEST ON CONDUCTORS BETWEEN SERVICE DISCONNECT SWITCH & POWER CABINET.
- C. WHEN SITE POWER IS DERIVED FROM 3 PHASE SOURCE LOAD READINGS WILL BE TAKEN AND RECORDED TO MAINTAIN A BALANCED LOAD AT THE PRIMARY SOURCE. RECORDS SHALL BE TURNED TO THE OWNER'S REPRESENTATIVE.



Drawing Scale.

AS NOTED

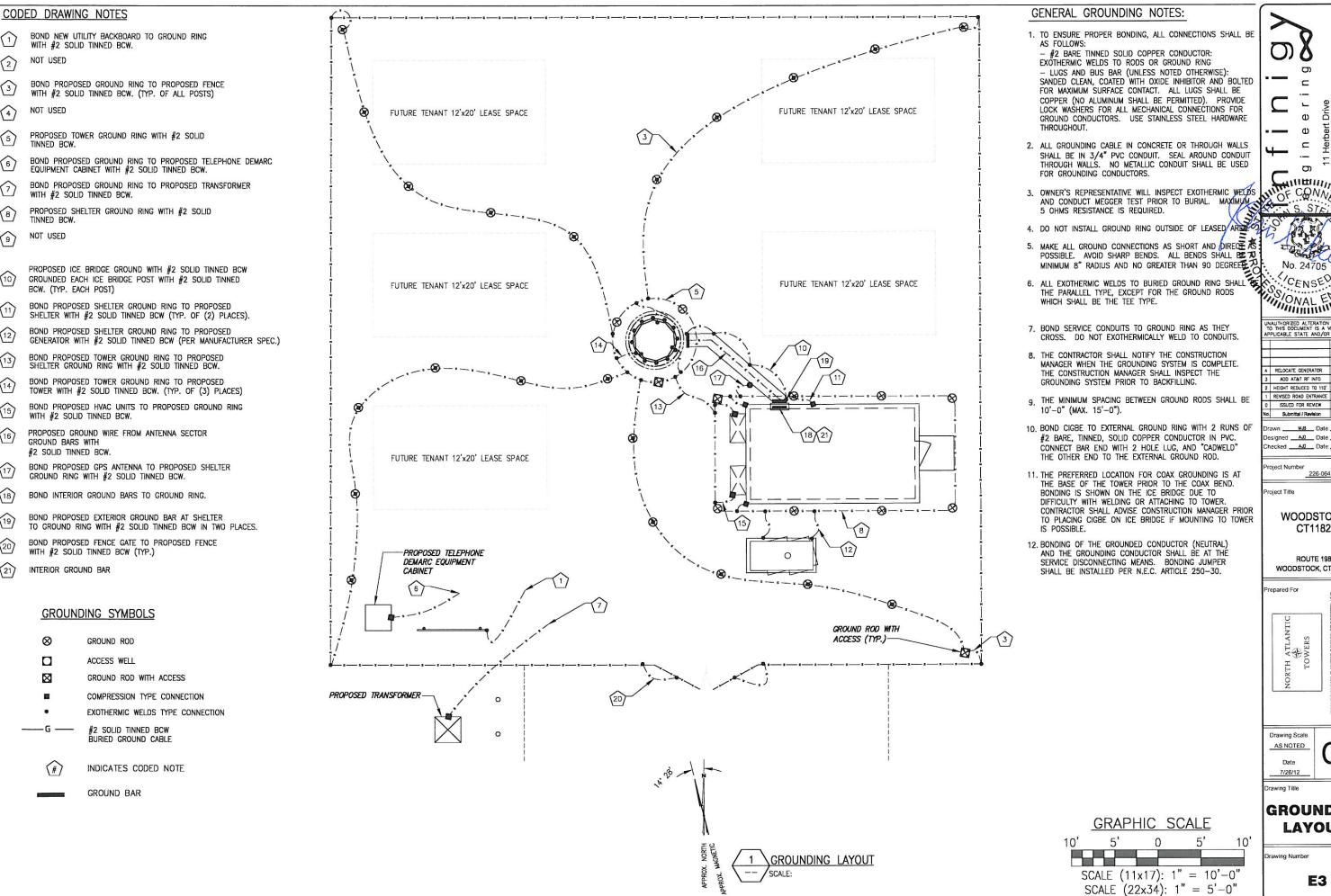
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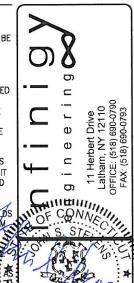
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ELECTRICAL NOTES

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**E2** 





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	THIS DOCUMENT IS A N PLICABLE STATE AND/OR		
4	RELOCATE GENERATOR	DIC	8/23/1
3	ADD AT&T RF INFO	MD	8/8/12
2	HEIGHT REDUCED TO 110'	AJD.	7/26/1
1	REVISED ROAD ENTRANCE	SKB	6/21/12
0	ISSUED FOR REVIEW	AJ0	5/31/12
No.	Submittal / Revision	App'd	Date

Drawn \_\_\_\_\_\_ WJB \_\_ Date \_\_\_5/31/12 Designed \_\_\_\_\_\_ Date \_\_\_\_\_ 5/31/12\_\_\_\_ necked AD Date: 5/31/12

226-064

WOODSTOCK CT1182

ROUTE 198 WOODSTOCK, CT 06281

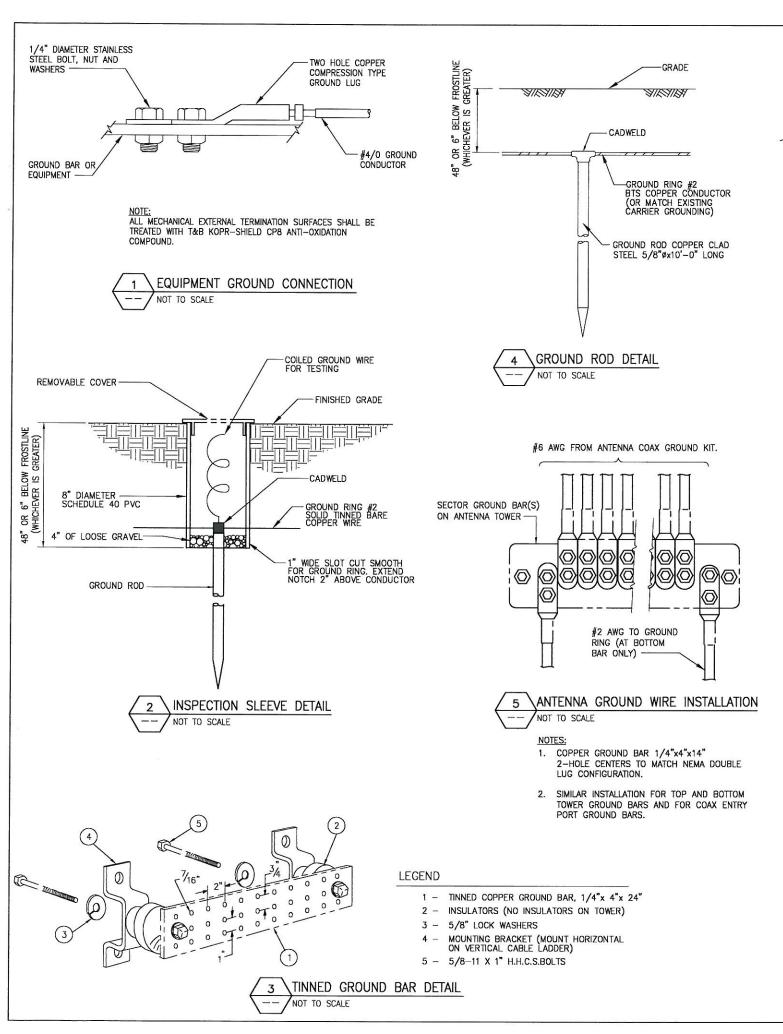
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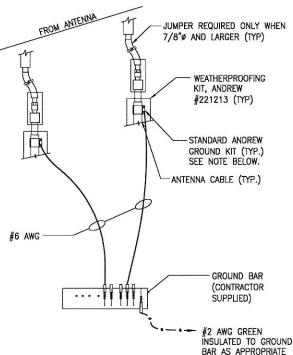
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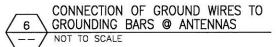
**GROUNDING** LAYOUT

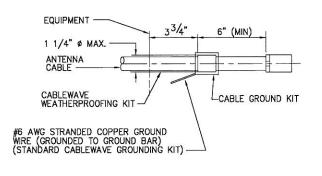
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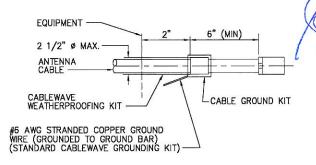




NOTE:
DO NOT INSTALL CABLE GROUND KIT AT A BEND ALWAYS DIRECT
GROUND WIRE DOWN TO CIGBE.





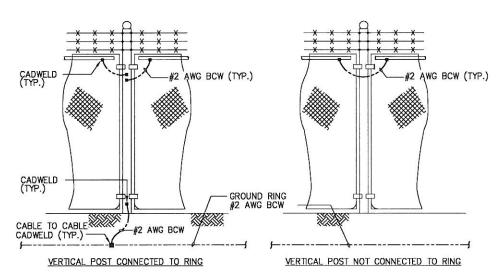


# TO ANTENNA CABLE

NOTE:

DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

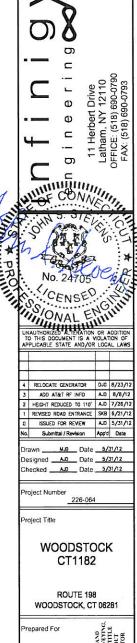




#### NOTES

- VERTICAL POSTS SHALL BE BONDED TO THE RING AT EACH CORNER AND AT EACH GATE POST. AS A MINIMUM ONE VERTICAL POST SHALL BE BONDED TO THE GROUND RING IN EVERY 100 FOOT STRAIGHT RUN OF FENCE.
- 2. HORIZONTAL POLES SHALL BE BONDED TO EACH OTHER.
- 3. BOND EACH HORIZONTAL POLE/BRACE TO EACH OTHER AND TO EACH VERTICAL POST THAT IS BONDED TO THE EXTERIOR GROUND RING.





Drawing Scale
AS NOTED

Date:
7/26/12

Drawing Title

# GROUNDING DETAILS

Drawing Numbe

E4