

PROJECT INFORMATION

PROPERTY OWNER:	CHARLES J. PRESKA
TAX MAP #:	096.000-0001-022.010
SITE NAME:	DELMAR-VAN DYKE ROAD (A-04-010)
SITE E911 ADDRESS:	75 VAN DYKE ROAD DELMAR, NEW YORK 12054
LATITUDE:	42° 36' 23.14"
LONGITUDE:	-73° 51' 32.85"
ZONING CLASSIFICATION:	(RA) RESIDENTIAL A
ZONING JURISDICTION:	TOWN OF BETHLEHEM
COUNTY:	ALBANY
TOWER HEIGHT:	132± A.G.L.
AREA OF CONSTRUCTION:	75' X 45' FENCED COMPOUND WITHIN 35,345 S.F. LEASE AREA
DESCRIPTION OF WORK:	DEVELOPMENT AND CONSTRUCTION OF TOWER SITE

PROJECT DIRECTORY

PROJECT MANAGER:
GENERAL DYNAMICS
5792 WIDEWATERS PARKWAY
DEWITT, NY 13214
CONTACT: STEVEN MILANA
PHONE (315) 484-5717

CIVIL ENGINEERING FIRM:
CARPENTER CONSULTING GROUP
168 NORTH WATER STREET
ROCHESTER, NY 14604
CONTACT: DON CARPENTER
PHONE (585) 370-9516

SURVEYING FIRM:
PAUL E. HITE LAND SURVEYOR.
230 DELAWARE AVENUE
CONTACT: PAUL E. HITE
PHONE: (518) 439-4989

APPLICANT:
at&t WIRELESS
5841 BRIDGE STREET
EAST SYRACUSE, NY 13057

VERIZON WIRELESS
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

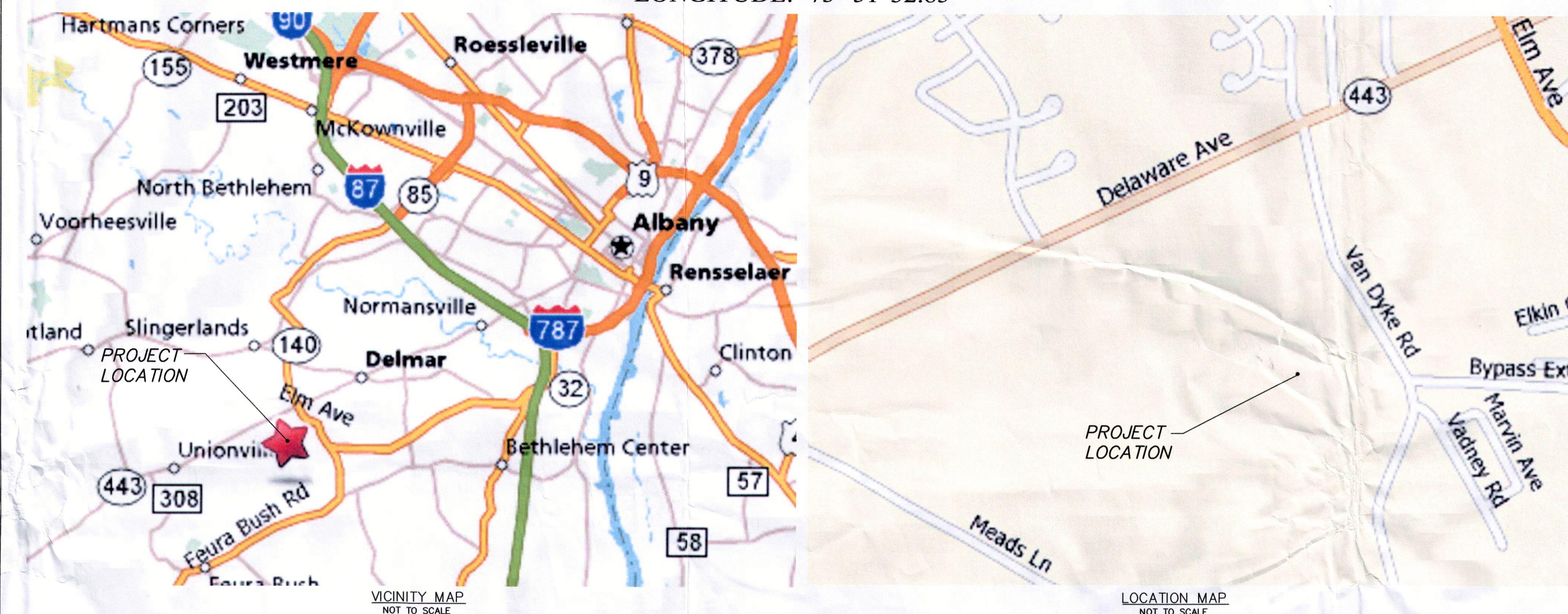
TOWER OWNER:
ESCO TOWER, INC.
211 DELAWARE AVENUE
DELMAR, NY 12054



ZONING DRAWINGS

ESCO TOWER DELMAR-VAN DYKE ROAD (SITE #: A-04-010)

ADDRESS: 75 VAN DYKE ROAD
DELMAR, NEW YORK 12054
LATITUDE: 42° 36' 23.14"
LONGITUDE: -73° 51' 32.85"



DIRECTIONS:

FROM I-690 E, MERGE ONTO I-481 N VIA THE EXIT ON THE LEFT TOWARD THRUWAY. MERGE ONTO I-90 E/NEW YORK STATE THRUWAY E VIA EXIT 6 TOWARD ALBANY. KEEP RIGHT TO TAKE I-87 S/NEW YORK STATE THRUWAY S TOWARD MASS PIKE/NEW YORK/BOSTON. TAKE THE I-787/US-9W EXIT, EXIT 23, TOWARD ALBANY/RENSSELAER. TAKE THE US-9W S EXIT, EXIT 1. TURN RIGHT ONTO US-9W/SOUTHERN BLVD. CONTINUE TO FOLLOW US-9W. STAY STRAIGHT TO GO ONTO NY-32 S. NY-32 S BECOMES BYPASS EXT. TURN RIGHT ONTO VAN DYKE RD.

APPROVALS

CONSTRUCTION MANAGER: _____ DATE: _____

PROPERTY OWNER/ REP.: _____ DATE: _____

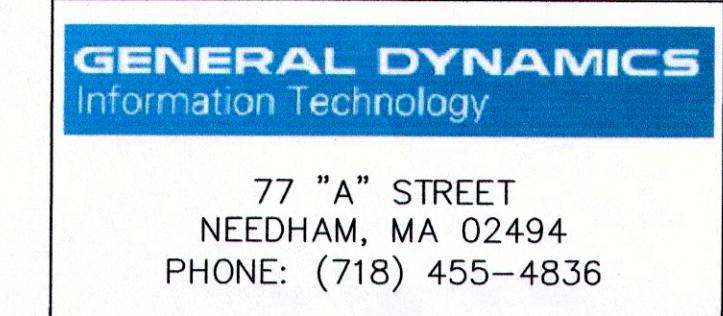
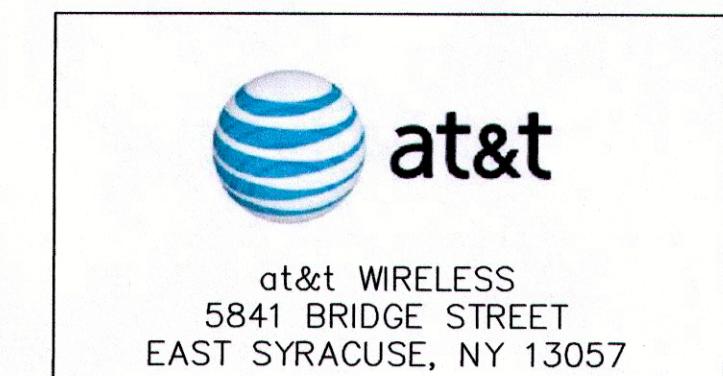
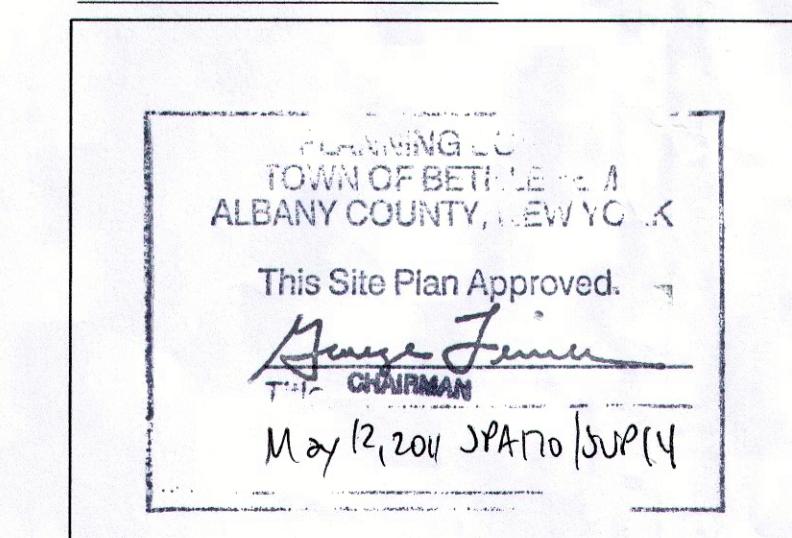
at&t REAL ESTATE MANAGER.: _____ DATE: _____

at&t RF ENGINEER: _____ DATE: _____

at&t OPERATIONS.: _____ DATE: _____

DRAWING INDEX

NO.	DESCRIPTION	REV.	DATE
T1	TITLE SHEET	12	4/5/11
T2	TOWN OF BETHLEHEM ZONING MAP	12	4/5/11
S1	SITE SURVEY (BY OTHERS)	0	3/1/07
Z1	LEGEND AND GENERAL NOTES	12	4/5/11
Z2-A	OVERALL SITE PLAN 1	12	4/5/11
Z2-B	OVERALL SITE PLAN 2	12	4/5/11
Z3	DETAILED SITE PLAN	12	4/5/11
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Z5	ELEVATION	12	4/5/11
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Z7	DETAILS	12	4/5/11
Z8	SHELTER DETAILS	12	4/5/11
Z9	SHELTER DETAILS	12	4/5/11

PLANNING BOARD
ENDORSEMENT:

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DESIGNED BY: DRB DATE: 5/5/09
APPROVED BY: DWC A&E PROJECT #: 09-BV-172

REVISIONS	
12.	4/5/11 ROTATED AT&t SHELTER
11.	4/1/11 REVISED PER REDLINES
10.	3/30/11 REVISED PER REDLINES
9.	3/3/11 REVISED PER REDLINES
8.	2/7/11 REVISED PER REDLINES
7.	2/3/11 REVISED PER REDLINES
NO.	DATE DESCRIPTION

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Town of Bethlehem
Planning Board



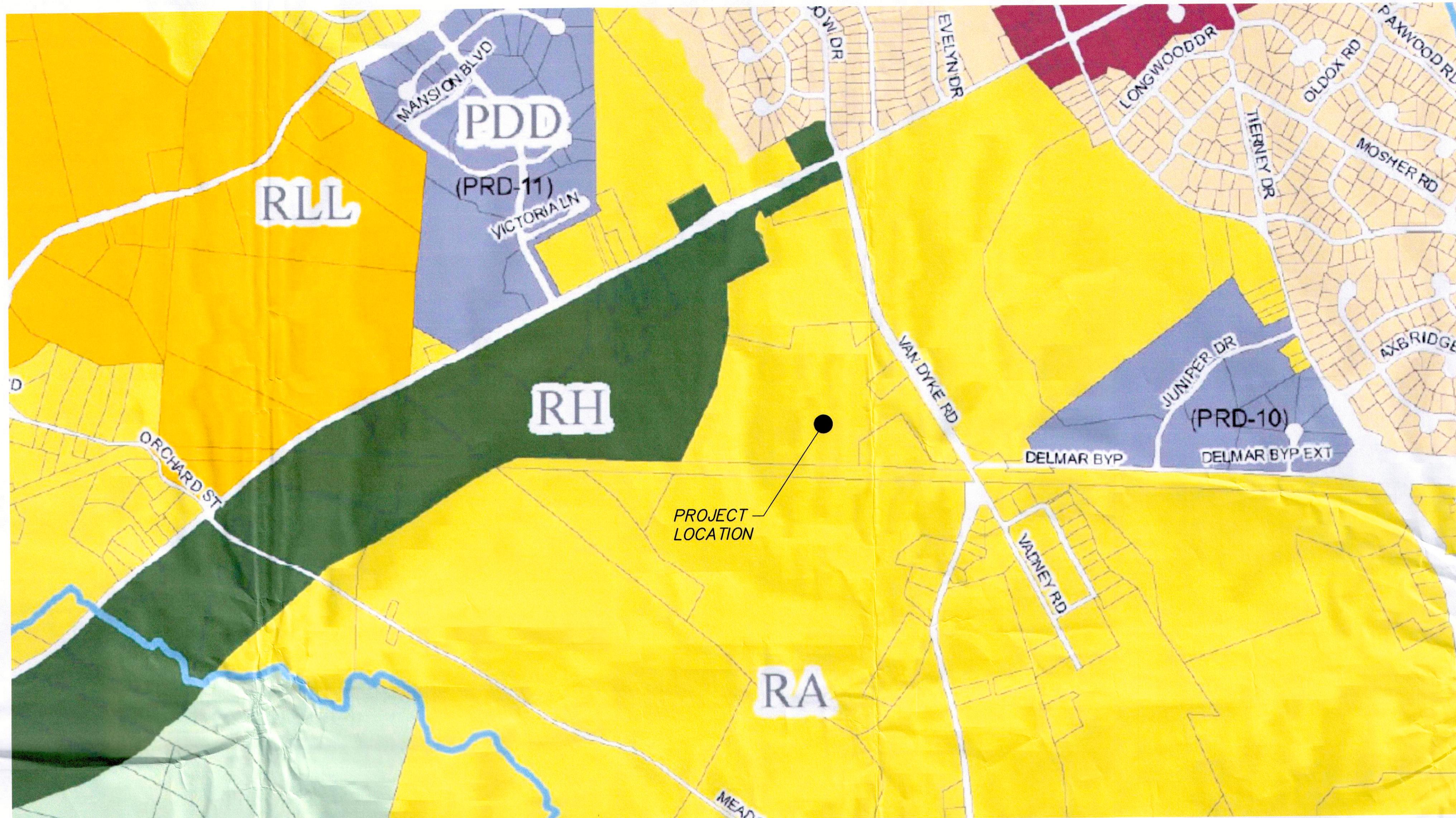
FILE COPY

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DELMAR-VAN DYKE ROAD
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SITE ADDRESS: 75 VAN DYKE ROAD
DELMAR, NEW YORK 12054
SITE TYPE: RAW LAND

SHEET TITLE: TITLE SHEET
DRAWING #: T1 REVISION: 12



SPA 170



Legend

ZONING

- COMMERCIAL HAMLET (CH)
- CORE RESIDENTIAL (CR)
- GENERAL COMMERCIAL (C)
- HAMLET (H)
- HEAVY INDUSTRIAL (I)
- MIXED ECONOMIC DEVELOPMENT (ME)
- MULTI-FAMILY (MR)
- PLANNED DEVELOPMENT DISTRICT (PDD)

- RESIDENTIAL A (RA)
- RESIDENTIAL B (RB)
- RESIDENTIAL C (RC)
- RESIDENTIAL LARGE LOT (RLL)
- RURAL (R)
- RURAL HAMLET (RH)
- RURAL LIGHT INDUSTRIAL (RLI)
- RURAL RIVERFRONT (RR)

0 INCHES
Town of Bethlehem, NY

TOWN OF BETHLEHEM ZONING MAP

N.T.S.

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved.
Date May 12, 2011 SPA 70/SVP 14

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DRAWING #: T2 REVISION: 12

at&t
at&t WIRELESS
5841 BRIDGE STREET
EAST SYRACUSE, NY 13057

GENERAL DYNAMICS
Information Technology
77 "A" STREET
NEEDHAM, MA 02494
PHONE: (781) 455-4836

C|CG CARPENTER CONSULTING GROUP
DEVELOPMENT DESIGN
RESIDENTIAL | COMMERCIAL | WIRELESS | ENERGY
17 Industrial Street | Rochester, NY 14614
Office: 585-360-2733 | Fax: 585-360-2735
www.carpentercg.com

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DRB	5/5/09
APPROVED BY:	A&E PROJECT #:
DWC	09-BV-172

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DRAWING #: T2 REVISION: 12

I. PRECONSTRUCTION/PRELIMINARY

1.0 PERMITS AND LICENSES

1.1 THE CONTRACTOR SHALL OBTAIN ALL REQUIRED LOCAL, COUNTY AND/OR STATE PERMITS AND LICENSES.

1.2 ALL APPLICABLE FEDERAL, STATE AND LOCAL TAXES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

1.3 THE COSTS PAID FOR THE PERMITS BY THE CONTRACTOR ARE TO BE INCLUDED IN THE CONTRACTOR'S BID PRICE.

1.4 LEGIBLE COPIES OF ALL PERMITS ARE TO BE INCLUDED IN THE PROJECT CLOSEOUT DOCUMENTATION PACKAGE.

2.0 COMPLIANCE

2.1 ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND ALL APPLICABLE LOCAL, STATE AND FEDERAL STANDARDS & REGULATIONS.

3.0 GEOTECHNICAL INFORMATION

3.1 IF AVAILABLE, A PROFESSIONAL GEOTECHNICAL INVESTIGATION OF THE SITE WILL BE FURNISHED TO THE CONTRACTOR AS PART OF THE PROPOSAL PACKAGE FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN INTERPRETATION, AND THE LIABILITY THEREOF, OF THE SUBSURFACE CONDITIONS DOCUMENTED IN THE GEOTECHNICAL REPORT. IF HE CONSIDERS THIS INFORMATION AND/OR SAMPLES TO BE LACKING OR INADEQUATE, HE SHALL CARRY OUT FURTHER INVESTIGATIONS, AT HIS OWN OPTION AND EXPENSE, TO SATISFY HIMSELF OF THE SUBSURFACE CONDITIONS.

4.0 SURVEYING AND LAYOUT

4.1 IF AVAILABLE, A SURVEY OF THE SITE SHALL BE FURNISHED TO THE CONTRACTOR AS PART OF THE PROPOSAL PACKAGE. THE CONTRACTOR SHALL USE A REGISTERED LAND SURVEYOR, AT HIS OWN EXPENSE, FOR ALL CONSTRUCTION SURVEYING THAT MAY BE REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND MASTER SPECIFICATIONS.

4.2 WHERE THE CONTRACTOR BELIEVES THAT NECESSARY DIMENSIONS ARE NOT SHOWN ON THE CONSTRUCTION DRAWINGS, HE MUST REQUEST THESE DIMENSIONS FROM THE PM IN WRITING BEFORE STARTING WORK. HE SHALL MAKE ADEQUATE PROVISION IN TIME FOR THE PM TO DETERMINE SUCH DIMENSIONS WITHOUT CAUSING DELAY IN THE WORK.

5.0 NOTICES UNDER THE CONTRACT

5.1 ALL NOTICES, APPLICATIONS, INSTRUCTIONS AND REQUESTS TO BE GIVEN TO THE CONTRACTOR UNDER THE CONTRACT WILL BE GIVEN VIA E-MAIL, FAX OR VERBALLY. AT HIS OWN DISCRETION, THE CONTRACTOR SHALL FORWARD TO THE PM WRITTEN CONFIRMATION OF ANY VERBAL DISCUSSION.

6.0 SUBSTITUTIONS AND VARIATIONS

6.1 THE CONTRACTOR SHALL FURNISH MATERIALS AS SHOWN OR APPROVED EQUAL, AND WORK IN PLACE IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS. NO DEVIATIONS SHALL BE MADE FROM THE CONSTRUCTION DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL FROM THE PM.

6.1.1 EQUAL SUBSTITUTES SHALL BE SUBMITTED TO THE PM FOR WRITTEN APPROVAL PRIOR TO USE.

7.0 TEMPORARY WATER, POWER AND SANITARY FACILITIES

7.1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, AT HIS OWN EXPENSE, ANY REQUIRED TEMPORARY WATER, CONSTRUCTION POWER AND SANITARY FACILITIES NEEDED FOR THE COMPLETION OF THE CONSTRUCTION OF THE PROJECT.

8.0 COORDINATION WITH PUBLIC AUTHORITIES

8.1 THE CONTRACTOR SHALL COORDINATE WITH RELEVANT AUTHORITIES THE WORK THEY ARE TO CARRY OUT. HE SHALL CONDUCT HIS OPERATIONS SO AS NOT TO INTERFERE WITH THE OPERATIONS OF PUBLIC AND/OR PRIVATE UTILITY AUTHORITIES INSTALLING SERVICES AT THE SITE. COORDINATION OF UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

8.1.1 THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF UTILITIES AND ASSOCIATED STRUCTURES DURING CONSTRUCTION OF THE SITE.

II. ROAD LAYOUT

8.1.2 THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL UTILITIES LOCATED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.

8.1.3 THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH DAMAGED EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO FINES AND REPAIR COSTS.

8.1.4 DO NOT INTERRUPT EXISTING UTILITIES WITHOUT PERMISSION FROM THE UTILITY AND THE APPROVAL OF THE PM. CONTRACTOR SHALL PROVIDE 48-HOUR NOTIFICATION TO THE PM AND CUSTOMERS AFFECTED BY THE INTERRUPTION.

8.1.5 WHERE INACTIVE/ABANDONED UTILITIES ARE ENCOUNTERED WITHIN THE SITE THAT INTERFERE WITH THE EXECUTION OF THE CONSTRUCTION WORK, THE CONTRACTOR SHALL REMOVE AND/OR TERMINATE SUCH UTILITIES IN ACCORDANCE WITH THE UTILITY COMPANY'S RECOMMENDATION.

9.0 USE OF PUBLIC ROADS AND TRAFFIC CONTROL

9.1 THE CONTRACTOR SHALL MAINTAIN ALL ROADS FREE OF ANY DEBRIS OR OTHER MATERIAL THAT MAY FALL FROM HIS EQUIPMENT OR OTHERWISE BE DEPOSITED ON THE ROADS. ALL SUCH MATERIAL SHALL BE PROMPTLY REMOVED AND THE ROAD CLEANED TO THE SATISFACTION OF THE GOVERNING AUTHORITIES.

9.1.1 THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL REPAIR ANY DAMAGE TO PUBLIC ROADS CAUSED BY THE CONTRACTOR TO THE SATISFACTION OF THE GOVERNING AUTHORITIES.

9.2 THE CONTRACTOR IS TO ARRANGE HIS USE OF PUBLIC AND PRIVATE ROADS IN ACCORDANCE WITH THE RELEVANT AUTHORITY'S REQUIREMENTS.

10.0 INSPECTIONS

10.1 THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ENSURING THAT ALL RELEVANT AUTHORITY INSPECTIONS ARE CARRIED OUT IN A TIMELY MANNER.

10.2 THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF ALL INSPECTIONS.

11.0 EXPLOSIVES

11.1 THE USE OF EXPLOSIVES WILL BE PERMITTED ONLY WITH THE WRITTEN PERMISSION OF THE PROPERTY OWNER AND THE PM. WHEN APPROVED, BLASTING SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK.

11.2 ADJOINING PROPERTY OWNERS LIKELY AFFECTED BY THE BLASTING SHALL BE NOTIFIED IN ADVANCE, IN WRITING. ALL SUCH NOTIFICATIONS SHALL BE COPIED TO THE PM.

11.3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CLAIMS AS A RESULT OF HIS BLASTING ACTIVITY.

12.0 NOISE LEVELS

12.1 THE CONTRACTOR SHALL ENSURE THAT STATE AND LOCAL REGULATIONS ARE COMPLIED WITH IN REGARD TO NOISE LEVELS PRODUCED BY HIS OR HER SUBCONTRACTOR'S EQUIPMENT OR METHODS OF CONSTRUCTION.

13.0 DUST CONTROL

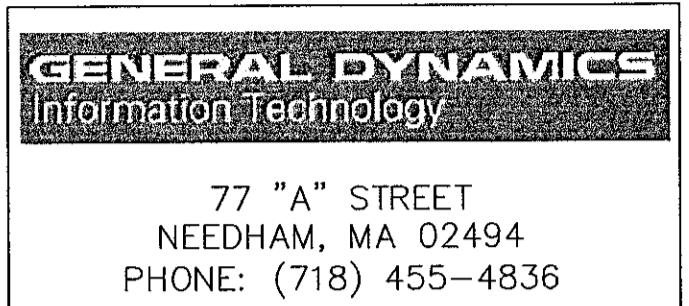
13.1 THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO LIMIT THE CREATION OF ANY DUST NUISANCE THAT MIGHT ARISE DURING CONSTRUCTION, TO THE SATISFACTION OF THE LOCAL AUTHORITIES AND THE PROPERTY OWNER.

14.0 PRESERVATION OF TREES AND SHRUBS

14.1 THE CONTRACTOR AND HIS EMPLOYEES AND SUBCONTRACTORS SHALL REFRAIN FROM DESTROYING, REMOVING OR CLEARING TREES AND SHRUBS UNLESS SPECIFICALLY REQUIRED ON THE CONSTRUCTION DRAWINGS OR APPROVED BY THE PM.

CIVIL LEGEND

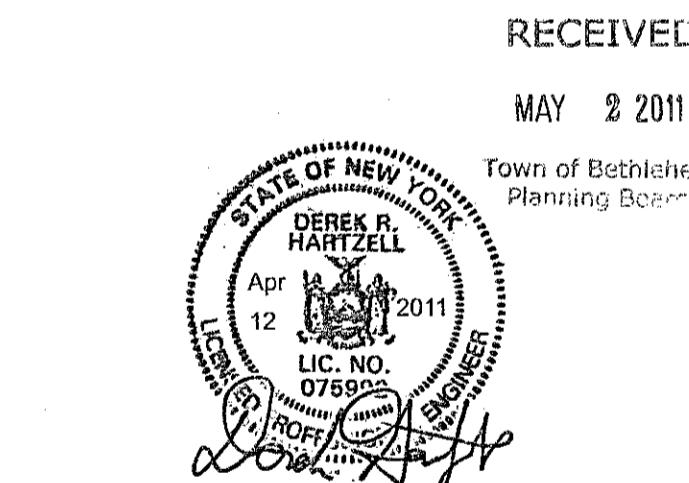
▲ CONTROL POINT
X EXISTING SPOT ELEVATION
X NEW SPOT ELEVATION
■ WATER VALVE
◎ SANITARY SEWER MANHOLE
— EXISTING PROPERTY LINE (NON-SURVEYED)
— EXISTING RIGHT-OF-WAY LINE
— NEW LEASE PARCEL LINE
----275---- EXISTING CONTOURS
----275---- NEW CONTOURS
— EXISTING CHAINLINK FENCE
— NEW CHAINLINK FENCE
~~~~~ EXISTING TREE LINE  
~~~~~ NEW TREE LINE  
— NEW EASEMENT
— 8" SS EXISTING SANITARY SEWER
— G EXISTING NATURAL GAS LINE
— G— NEW SILT FENCE
████████ NEW CONSTRUCTION EXIT



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| DESIGNED BY: | DATE: |
| DRB | 5/5/09 |
| APPROVED BY: | A&E PROJECT #: |
| DWC | 09-BV-172 |

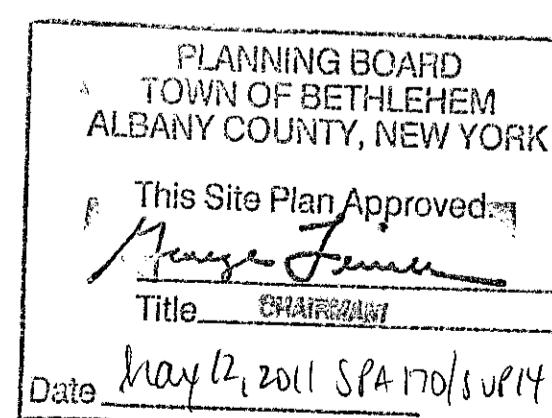
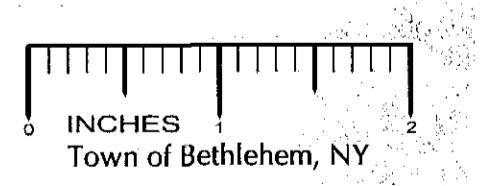
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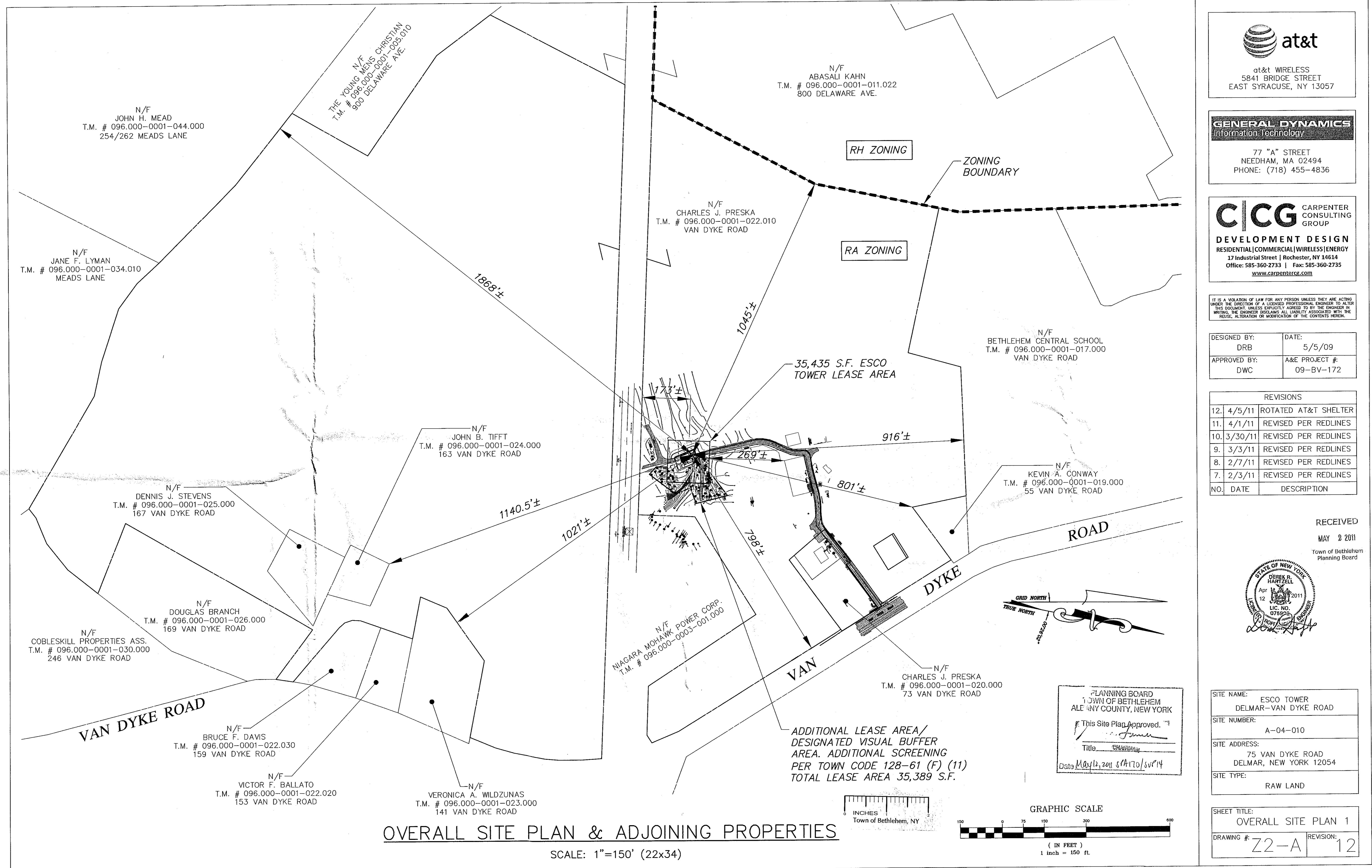


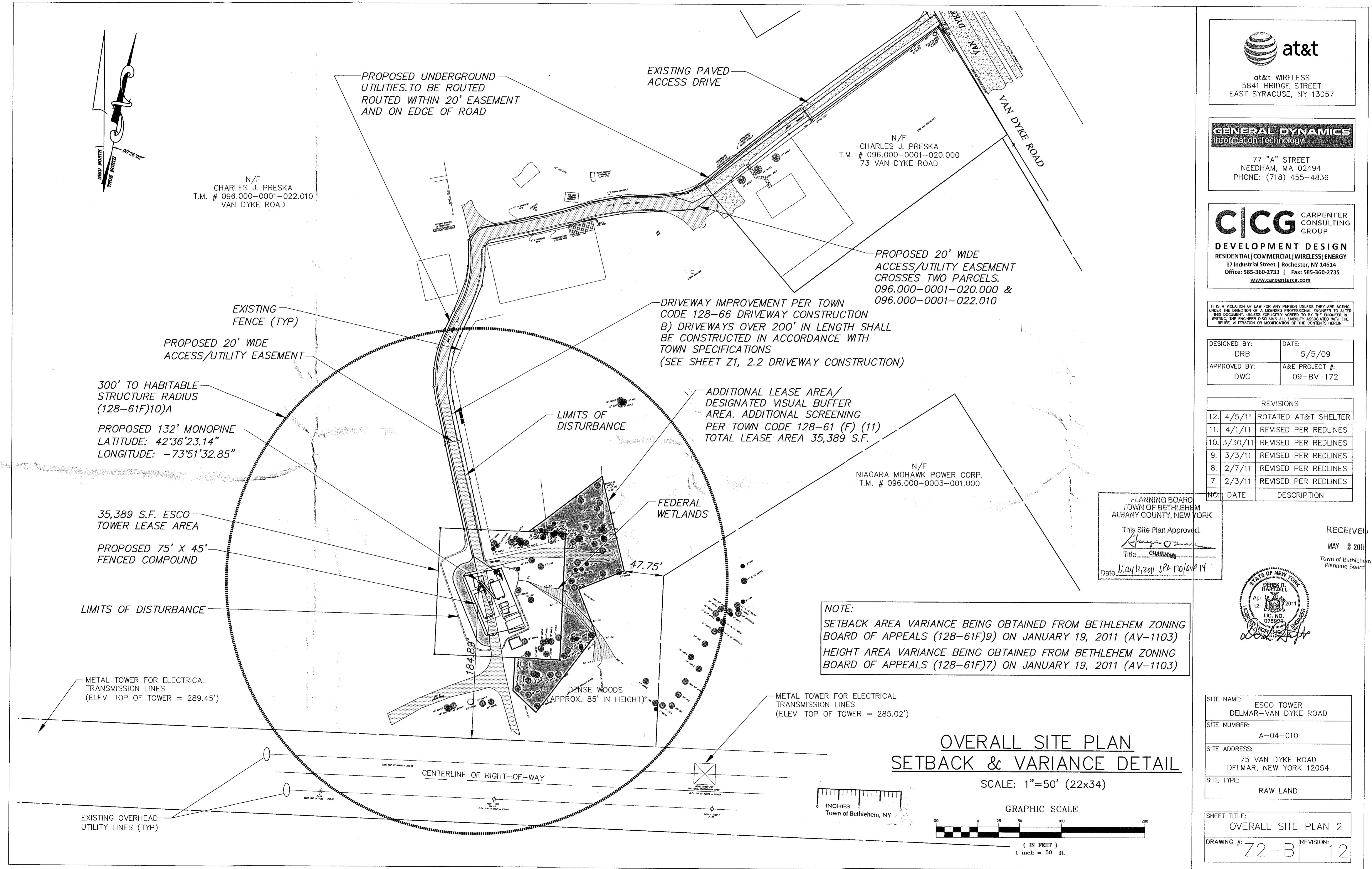
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SITE ADDRESS: 75 VAN DYKE ROAD
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SITE TYPE: RAW LAND

SHEET TITLE: LEGEND & GENERAL NOTES
DRAWING #: Z1 REVISION: 12







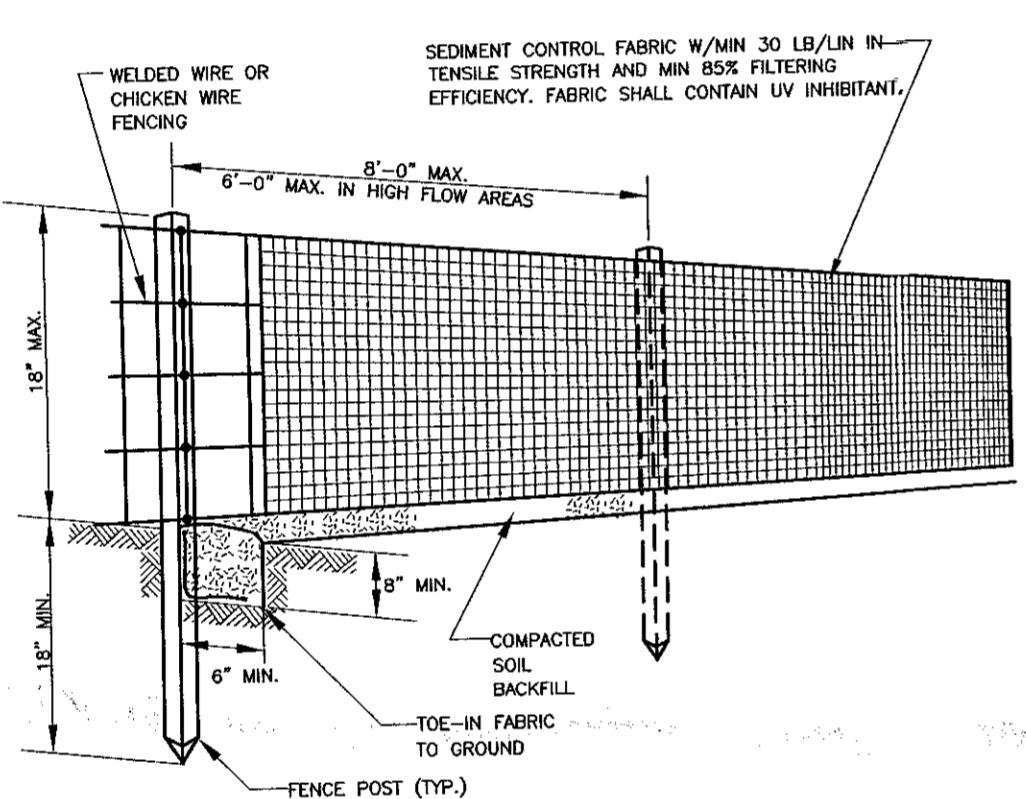
PROPOSED DRIVE= 117'± TOTAL LENGTH
TOTAL AREA OF DISTURBANCE=5,803 S.F. (0.13 ACRES)

PROPERTY LIES IN ZONE "C", AREAS OF MINIMAL
FLOODING, AS SHOWN OF FLOOD INSURANCE RATE MAP,
PANEL 10 OF 25, DATED JUNE 15, 1983, COMMUNITY
PANEL NUMBER 361540 0010 B.

TOTAL SQUARE FOOTAGE OF PROPOSED IMPERVIOUS
SURFACES: 2,072 SQ. FT.

TOWN STANDARD NOTES

1. CONSTRUCTION FENCE MUST BE INSTALLED ALONG WETLAND BOUNDARIES & BUFFERS WITHIN 25 FEET OF ANY ACTIVITY.
2. ALL DISTURBED SOILS MUST BE STABILIZED WITH A MINIMUM COVER OF MULCH WITHIN 14 DAYS OF LAST ACTIVITY.
3. ALL E&SC MEASURES MUST BE INSPECTED AND MAINTAINED IN COMPLIANCE WITH S 128-49 OF THE TOWN CODE.
4. ALL CUT AND FILL SLOPES WITHIN THE AREA OF DISTURBANCE MUST HAVE A MAXIMUM SLOPE OF 3:1 (H:V) OR 33%.
5. ALL DRIVEWAYS AND WALKWAYS CONSTRUCTED ON THE PROPERTY MUST NOT EXCEED A MAXIMUM SLOPE OF 10%.
6. FINAL GRADING MUST ENSURE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE WITH A MINIMUM SLOPE OF 1%.
7. TYPICALLY, GARAGE FINISHED FLOOR (GFF) IS TO BE 18" ABOVE THE EXISTING ROADWAY CENTERLINE ELEVATION.
8. NOTIFY THE ENGINEERING DIVISION OF ANY DEVIATIONS IN BUILDING LOCATION OR GRADING FROM APPROVED PLANS.



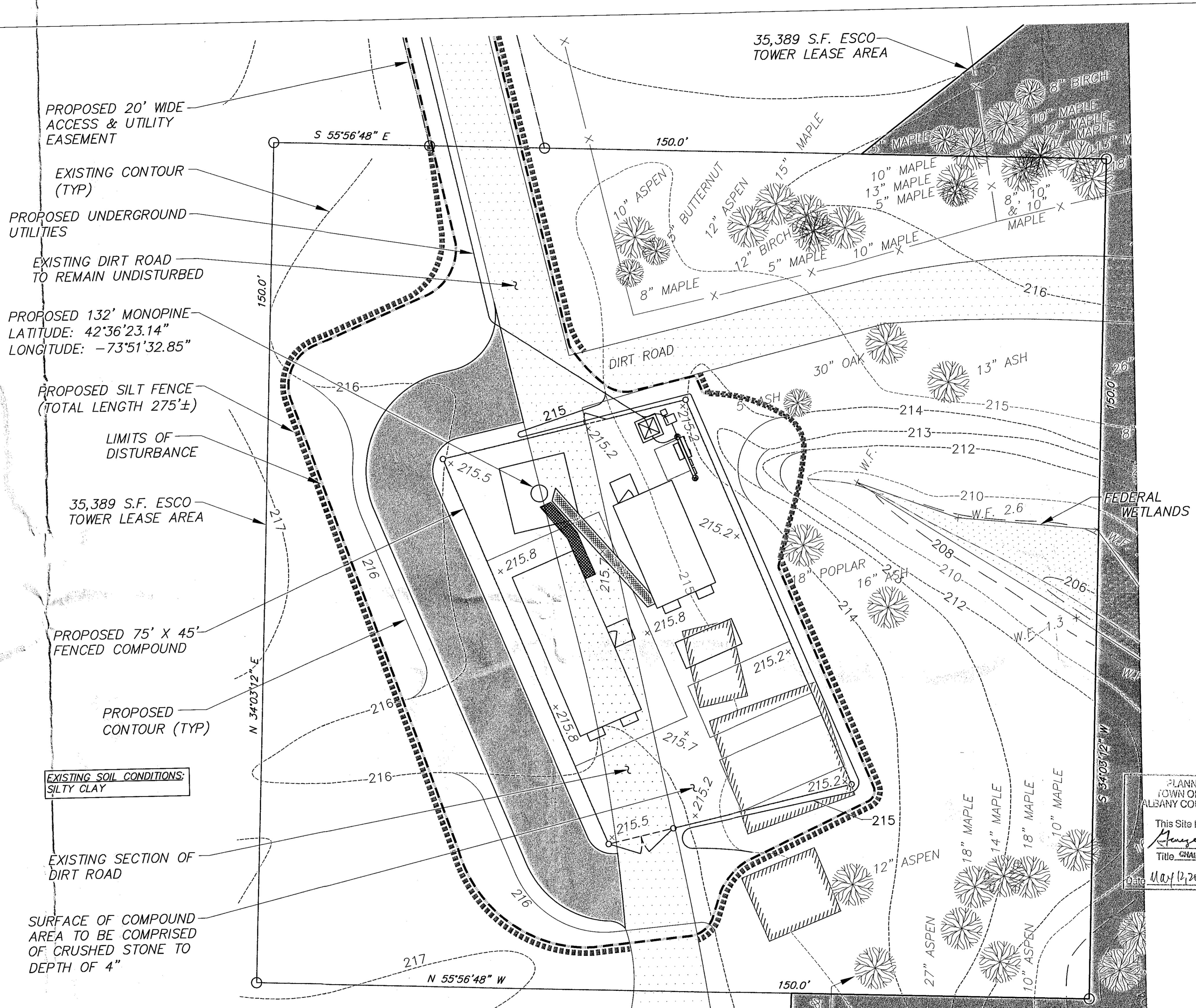
SILT FENCE DETAIL

N.T.S.

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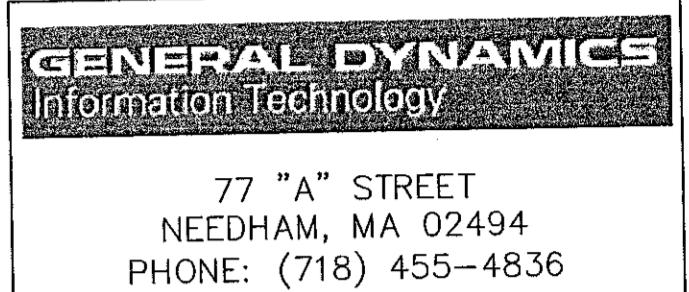
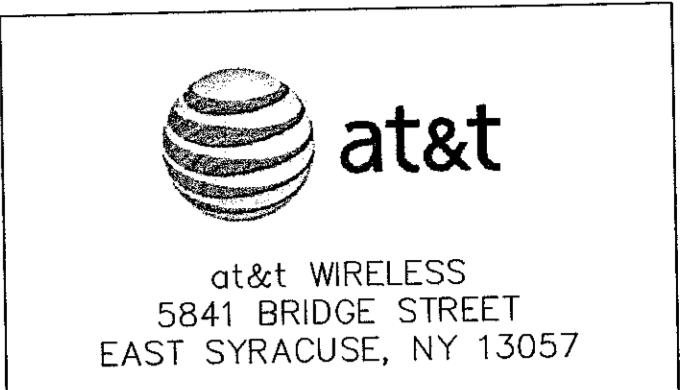
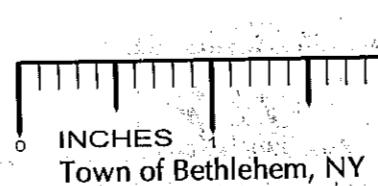
1. CONSTRUCT THE SILT FENCE OF FILTER CLOTH WITH A MINIMUM TENSILE STRENGTH OF 50 LB/LIN IN.
2. SILT FENCE HEIGHT SHALL BE A MINIMUM OF 15 INCHES ABOVE GROUND HEIGHT, BUT SHALL NOT EXCEED 18 INCHES.
3. CONSTRUCT SILT FENCE OF A CONTINUOUS ROLL CUT THE LENGTH OF THE BARRIER TO AVOID JOINTS. FABRIC TO BE FASTENED SECURELY TO FENCE POSTS WITH 1 INCH STAPLES OR TIE WIRES.
4. SUPPORT FABRIC WITH WOVEN WIRE MESH 14.5 GAUGE, 6" MAX. MESH OPENING. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH 1 INCH STAPLES OR TIE WIRES.
5. POSTS FOR SEDIMENT FENCES SHALL BE 4 INCH DIAMETER PINE, 2 INCH DIAMETER OAK OR 1.33 LB/LINEAR FOOT STEEL. MINIMUM LENGTH SHALL BE 4 FEET. POSTS SHALL BE SPACED NO MORE THAN 8 FEET APART AND THEY SHALL BE DRIVEN INTO THE GROUND A MINIMUM OF 18 INCHES.
6. EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UP SLOPE FROM THE BARRIER. BACKFILL THE TRENCH WITH COMPACTED SOIL OR GRAVEL PLACED OVER THE FILTER FABRIC.
7. DO NOT ATTACH FILTER FABRIC TO EXISTING FENCES, TREES, ETC.
8. REMOVE FENCING FOLLOWING STABILIZATION OF SLOPES AND ALL DISTURBED AREAS.

NOTE:
SEE SHEET Z-7 FOR INFORMATION ON EROSION
CONTROLS AND SEED APPLICATION RATES.



SITE GRADING PLAN

SCALE: 1"=10' (22x34)



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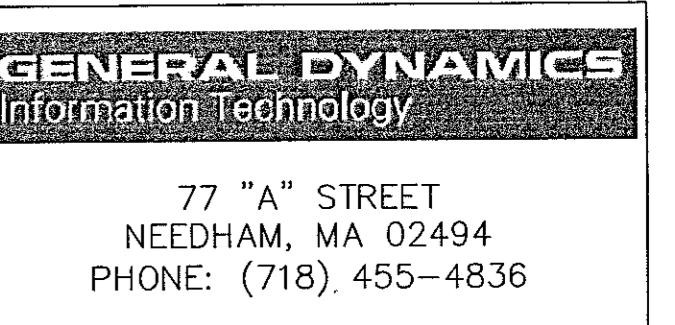
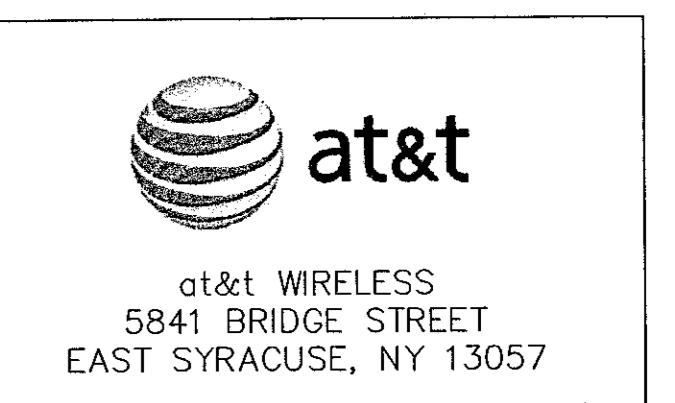
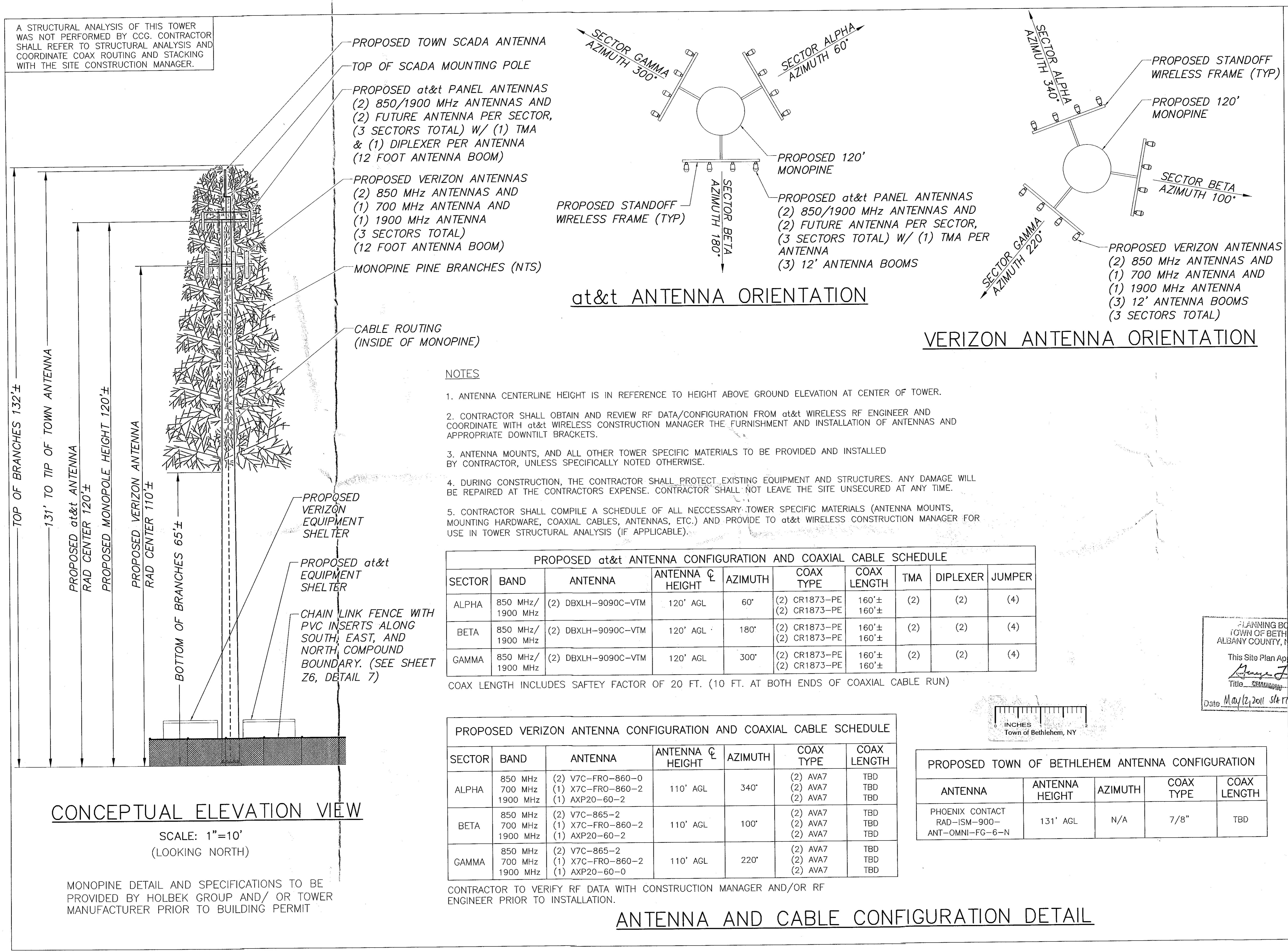
Planning Board



PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved.
George J. Turner
Title: CHAIRMAN
Date: May 12, 2011 5P.M. 170/SUP14

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SITE TYPE: RAW LAND

SHEET TITLE: SITE GRADING PLAN
DRAWING #: Z4 REVISION: 12



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WRITING, THE ENGINEER DISCLAIMS ALL LIABILITY ASSOCIATED WITH THE
REUSE, ALTERATION OR MODIFICATION OF THE CONTENTS HEREIN.

| | |
|--------------|----------------|
| DESIGNED BY: | DATE: |
| DRB | 5/5/09 |
| APPROVED BY: | A&E PROJECT #: |
| DWC | 09-BV-172 |

| REVISIONS | | |
|-----------|---------|----------------------|
| NO. | DATE | DESCRIPTION |
| 12. | 4/5/11 | ROTATED AT&T SHELTER |
| 11. | 4/1/11 | REVISED PER REDLINES |
| 10. | 3/30/11 | REVISED PER REDLINES |
| 9. | 3/3/11 | REVISED PER REDLINES |
| 8. | 2/7/11 | REVISED PER REDLINES |
| 7. | 2/3/11 | REVISED PER REDLINES |

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| PROPOSED TOWN OF BETHLEHEM ANTENNA CONFIGURATION | | | | |
|--|----------------|---------|-----------|-------------|
| ANTENNA | ANTENNA HEIGHT | AZIMUTH | COAX TYPE | COAX LENGTH |
| PHOENIX CONTACT
RAD-ISM-900-
ANT-OMNI-FG-6-N | 131' AGL | N/A | 7/8" | TBD |

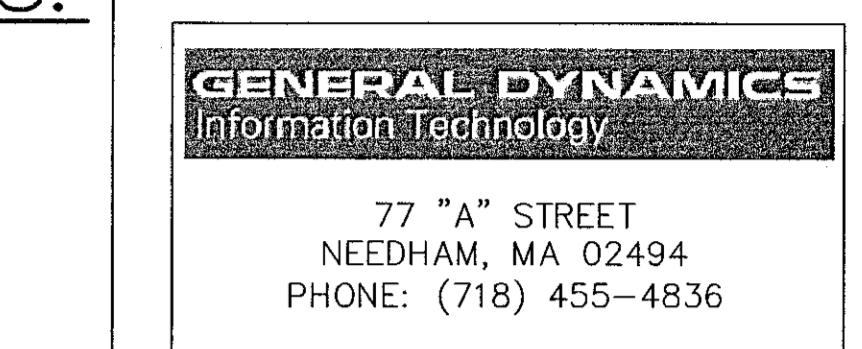
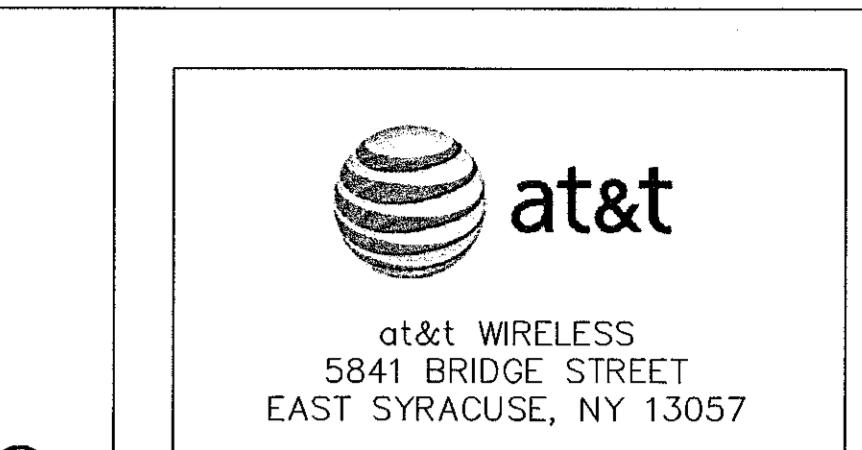
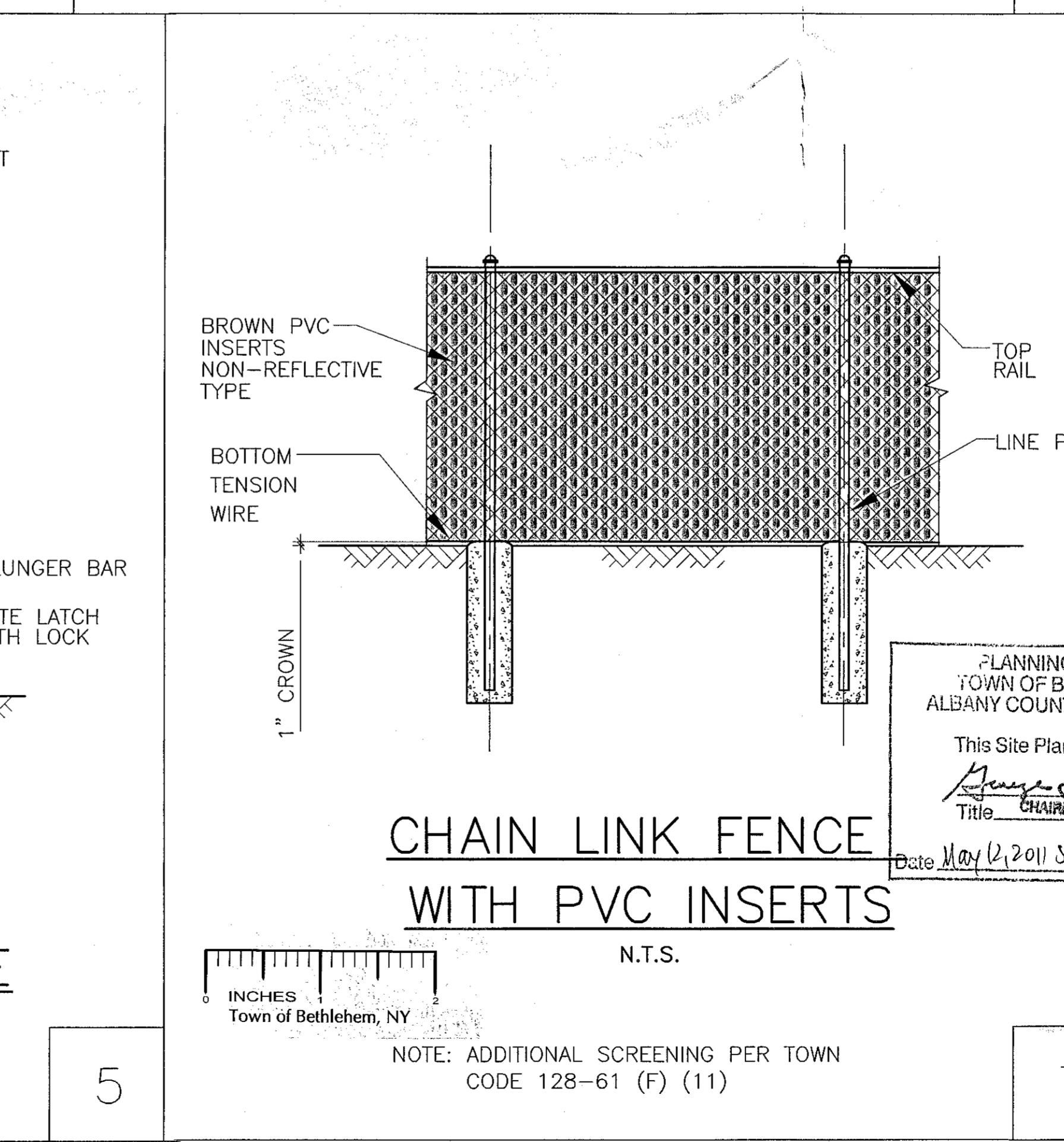
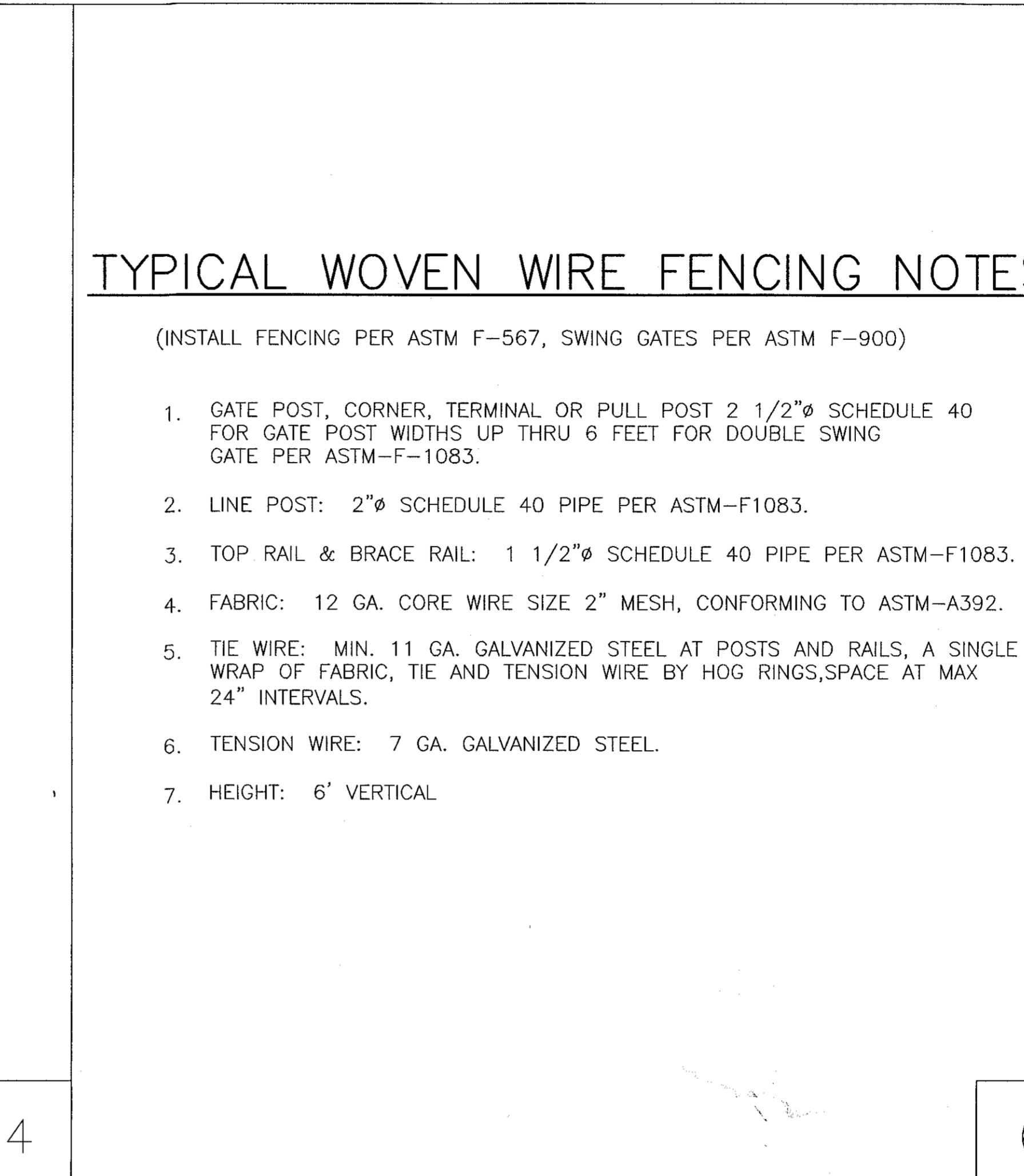
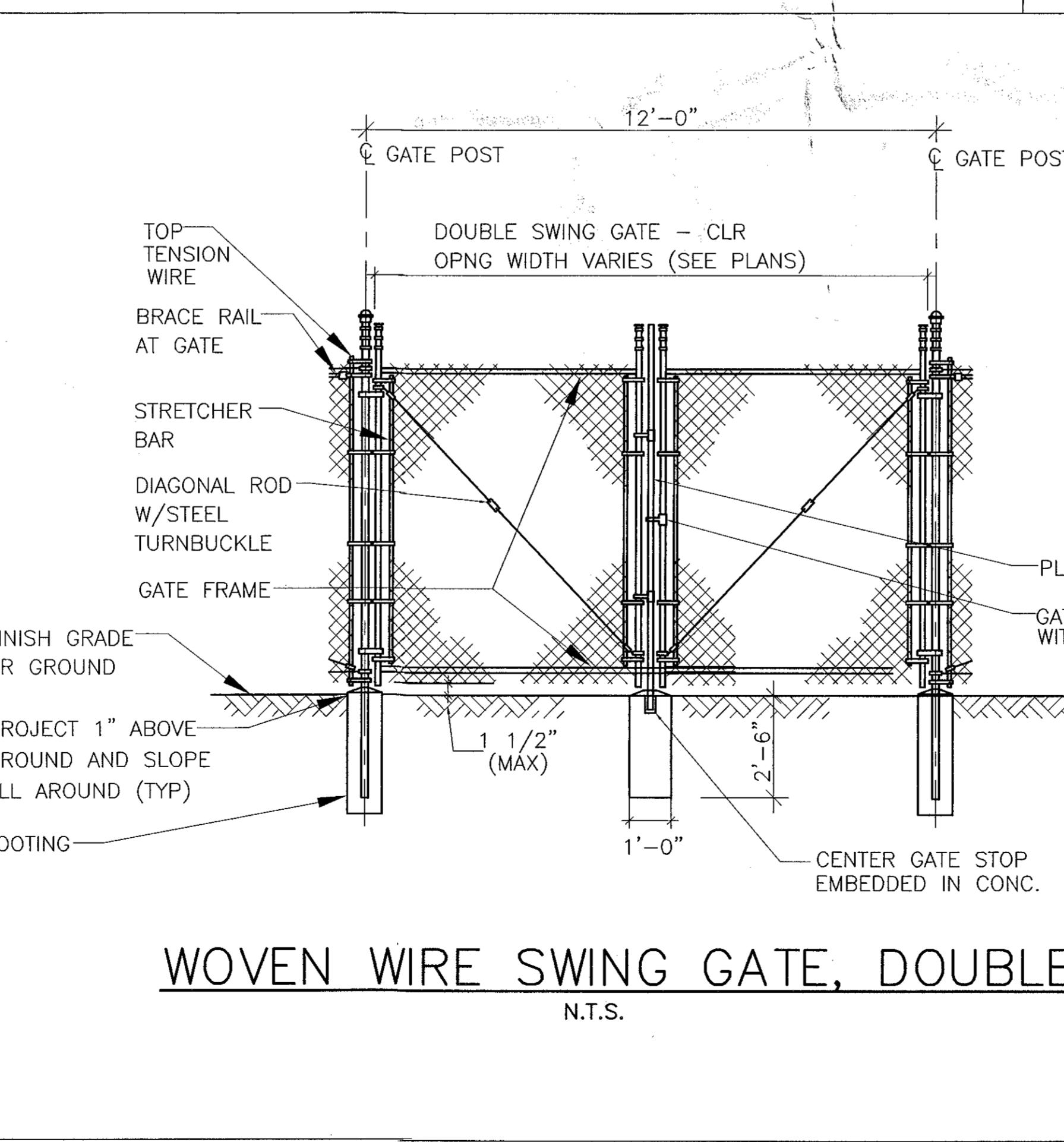
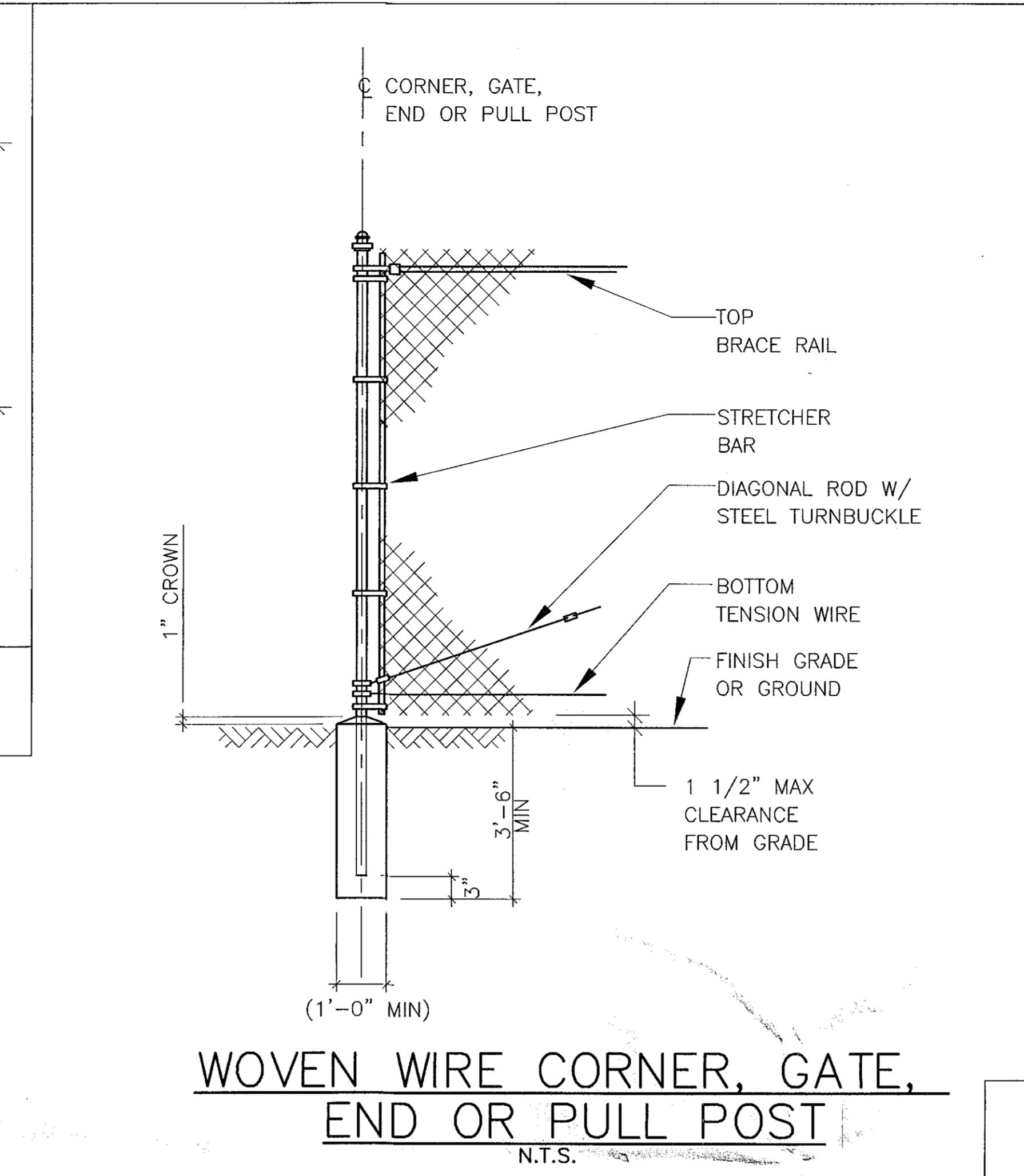
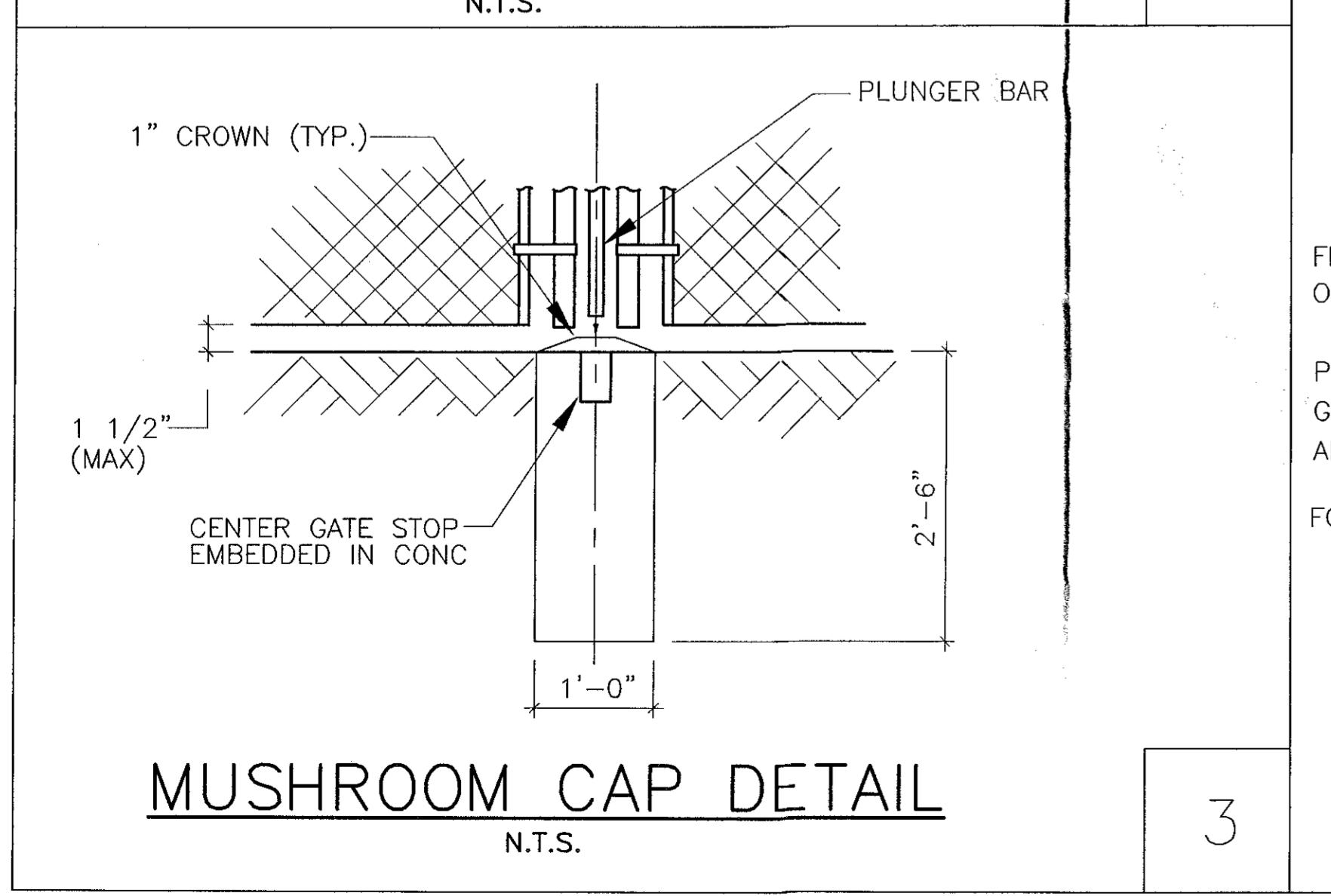
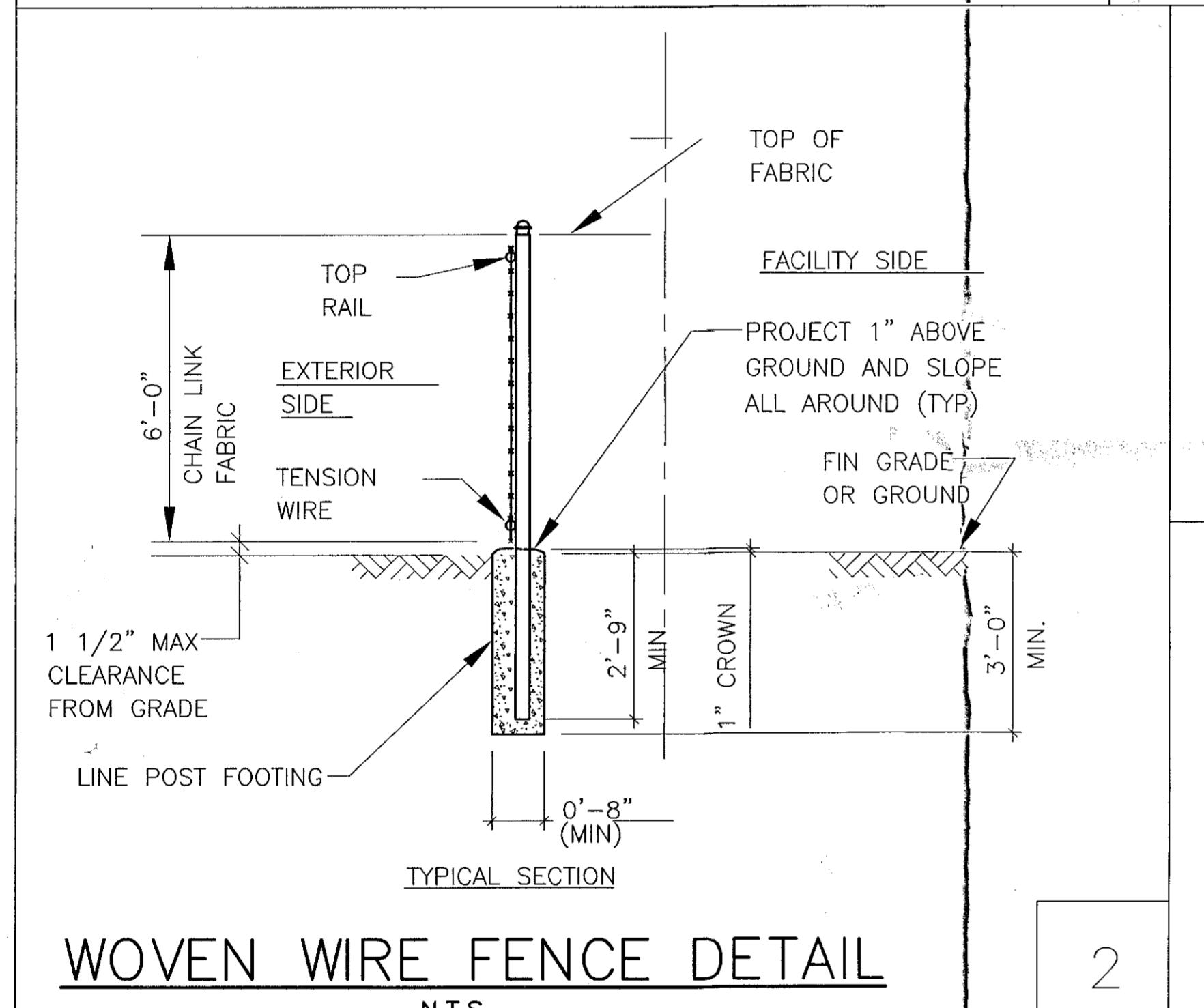
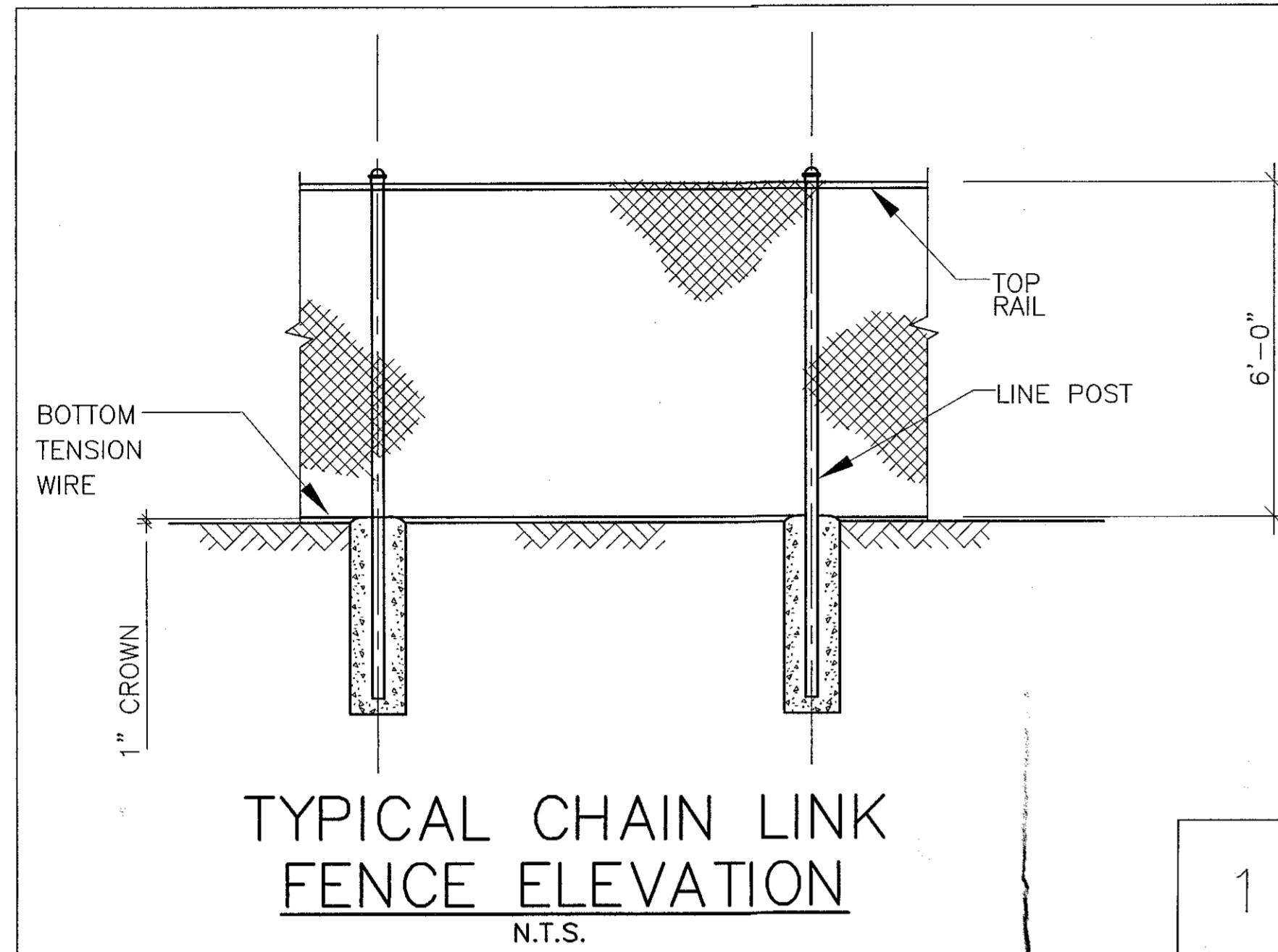
| PROPOSED VERIZON ANTENNA CONFIGURATION AND COAXIAL CABLE SCHEDULE | | | | | | |
|---|----------|-------------------|----------------|---------|-----------|-------------|
| SECTOR | BAND | ANTENNA | ANTENNA HEIGHT | AZIMUTH | COAX TYPE | COAX LENGTH |
| ALPHA | 850 MHz | (2) V7C-FR0-860-0 | 110' AGL | 340° | (2) AVA7 | TBD |
| | 700 MHz | (1) X7C-FR0-860-2 | | | (2) AVA7 | TBD |
| | 1900 MHz | (1) AXP20-60-2 | | | (2) AVA7 | TBD |
| BETA | 850 MHz | (2) V7C-865-2 | 110' AGL | 100° | (2) AVA7 | TBD |
| | 700 MHz | (1) X7C-FR0-860-2 | | | (2) AVA7 | TBD |
| | 1900 MHz | (1) AXP20-60-2 | | | (2) AVA7 | TBD |
| GAMMA | 850 MHz | (2) V7C-865-2 | 110' AGL | 220° | (2) AVA7 | TBD |
| | 700 MHz | (1) X7C-FR0-860-2 | | | (2) AVA7 | TBD |
| | 1900 MHz | (1) AXP20-60-0 | | | (2) AVA7 | TBD |

CONTRACTOR TO VERIFY RF DATA WITH CONSTRUCTION MANAGER AND/OR RF ENGINEER PRIOR TO INSTALLATION.

ANTENNA AND CABLE CONFIGURATION DETAIL

| | |
|---------------|--|
| SITE NAME: | ESCO TOWER
DELMAR-VAN DYKE ROAD |
| SITE NUMBER: | A-04-010 |
| SITE ADDRESS: | 75 VAN DYKE ROAD
DELMAR, NEW YORK 12054 |
| SITE TYPE: | RAW LAND |

| | |
|--------------|-----------|
| SHEET TITLE: | |
| ELEVATION | |
| DRAWING #: | REVISION: |
| Z5 | 12 |



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DESIGNED BY: DRB DATE: 5/5/09
APPROVED BY: DWC A&E PROJECT #: 09-BV-172

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| 12. 4/5/11 | ROTATED AT&T SHELTER |
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EROSION & SEDIMENT CONTROLS

PROCEDURES OUTLINED IN THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL WILL BE FOLLOWED THROUGHOUT THE DURATION OF CONSTRUCTION OF THIS PROJECT. THROUGHOUT CONSTRUCTION, EMPHASIS WILL BE PLACED ON PREVENTING EROSION OF THE DISTURBED AND EXPOSED SOIL WITHIN THE SITE. VEGETATIVE MEASURES SUCH AS SEEDING AND MULCHING WILL BE UTILIZED TO HELP PREVENT ERODING OF THE SOIL. BARE SOIL WILL BE SEDED WITHIN 15 DAYS OF EXPOSURE UNLESS CONSTRUCTION WILL BEGIN WITHIN 30 DAYS. IF CONSTRUCTION IS SUSPENDED, OR SECTIONS COMPLETED, AREAS WILL BE SEDED OR MULCHED IMMEDIATELY. SEDIMENT CONTROL CONCERNS ARE ADDRESSED BY USE OF PERIMETER CONTROLS SUCH AS SILT FENCE AND STRAW BALES. IN ADDITION TO THESE MEASURES, OFF-SITE TRACKING OF SEDIMENT WILL BE MINIMIZED BY USE OF A STABILIZED CONSTRUCTION ENTRANCE. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEP DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WHICH IS PRONE TO BLOWING FROM THE WIND WILL BE COVERED WITH A TARPAULIN.

SEED APPLICATION RATES

TEMPORARY HYDROSEED STABILIZATION SHALL BE AS FOLLOWS:

| SEED MIX: | % OF WEIGHT | % OF PURITY | % GERM. |
|------------|-------------|-------------|---------|
| ANNUAL RYE | 100 | 90 | 85 |

FERTILIZER: PROVIDE FERTILIZER WHICH IS COMPLETE AND AT LEAST 50% OF THE TOTAL NITROGEN IS DERIVED FROM, UREAFORM. THE BALANCE OF NITROGEN SHALL BE PRESENT AS METHYLENE UREA, WATER SOLUBLE UREA, NITRATE AND AMMONIACAL COMPOUNDS. THE FERTILIZER SHALL HAVE THE FOLLOWING ANALYSIS:

10% NITROGEN
6% PHOSPHORUS
4% POTASH

HYDRO-MULCH:

HYDRO-MULCH SHALL BE A WOOD-FIBER COMPOSITION (50% PAPER-50% WOOD)

TEMPORARY SEEDING APPLICATION RATES ARE AS FOLLOWS:

| SEED | 160 POUNDS PER ACRE |
|-------------|---|
| FERTILIZER | 600 POUNDS PER ACRE |
| HYDRO-MULCH | 1000 POUNDS PER ACRE |
| WATER | 500 GALLONS PER ACRE MINIMUM |
| INOCULATE | 4 TIMES MANUFACTURER'S RECOMMENDED RATE |

IF MULCHING IS NOT APPLIED WITH HYDROSEED MIXTURE, APPROVED MULCHING CONSISTING OF HYDROMULCH FIBER OR STRAW SHALL BE SPREAD EVENLY AT THE RATE OF 3 TONS PER ACRE, MULCH IS TO BE TACKED INTO PLACE. ALL SLURRY APPLICATIONS FOR SEEDING WITH A CELLULOSE TACTIFER MUST BE ACCOMPANIED BY A STRAW MULCH BINDER AT THE RATE OF 3 TONS PER ACRE.

PERMANENT HYDROSEED (OR APPROVED EQUAL DRY SEED)

STABILIZATION SHALL BE AS FOLLOWS:

LOFTS SEED LOW MAINTENANCE RUNWAY/ROADSIDE MIXTURE SEED MIX: PROVIDE THE FOLLOWING VARIETIES MIXED IN THE PROPORTIONS BY WEIGHT SHOWN.

| % OF WEIGHT | % OF PURITY | % GERM. |
|-----------------------------------|-------------|---------|
| REBEL JR. "TURF TYPE" TALL FESCUE | 60 | 95 |
| SALTY ALKALIGRASS | 30 | 95 |
| RELIANT HARD FESCUE | 10 | 95 |

FERTILIZER: PROVIDE FERTILIZER WHICH IS COMPLETE AND AT LEAST 50% OF THE TOTAL NITROGEN IS DERIVED FROM, UREAFORM. THE BALANCE OF NITROGEN SHALL BE PRESENT AS METHYLENE UREA, WATER SOLUBLE UREA, NITRATE AND AMMONIACAL COMPOUNDS. THE FERTILIZER SHALL HAVE THE FOLLOWING ANALYSIS:

10% NITROGEN
6% PHOSPHORUS
4% POTASH

MULCH: HYDRO-MULCH SHALL BE CONWED HYDROMULCH OR CONWED HYDROMULCH 2000 FIBER (WITH TACK), OR APPROVED EQUAL. ALL SLURRY APPLICATIONS FOR SEEDING WITH A CELLULOSE TACKIFER MUST BE ACCOMPANIED BY A STRAW MULCH BINDER AT THE RATE OF 3 TONS PER ACRE.

PERMANENT HYDROSEED APPLICATION RATES ARE AS FOLLOWS:

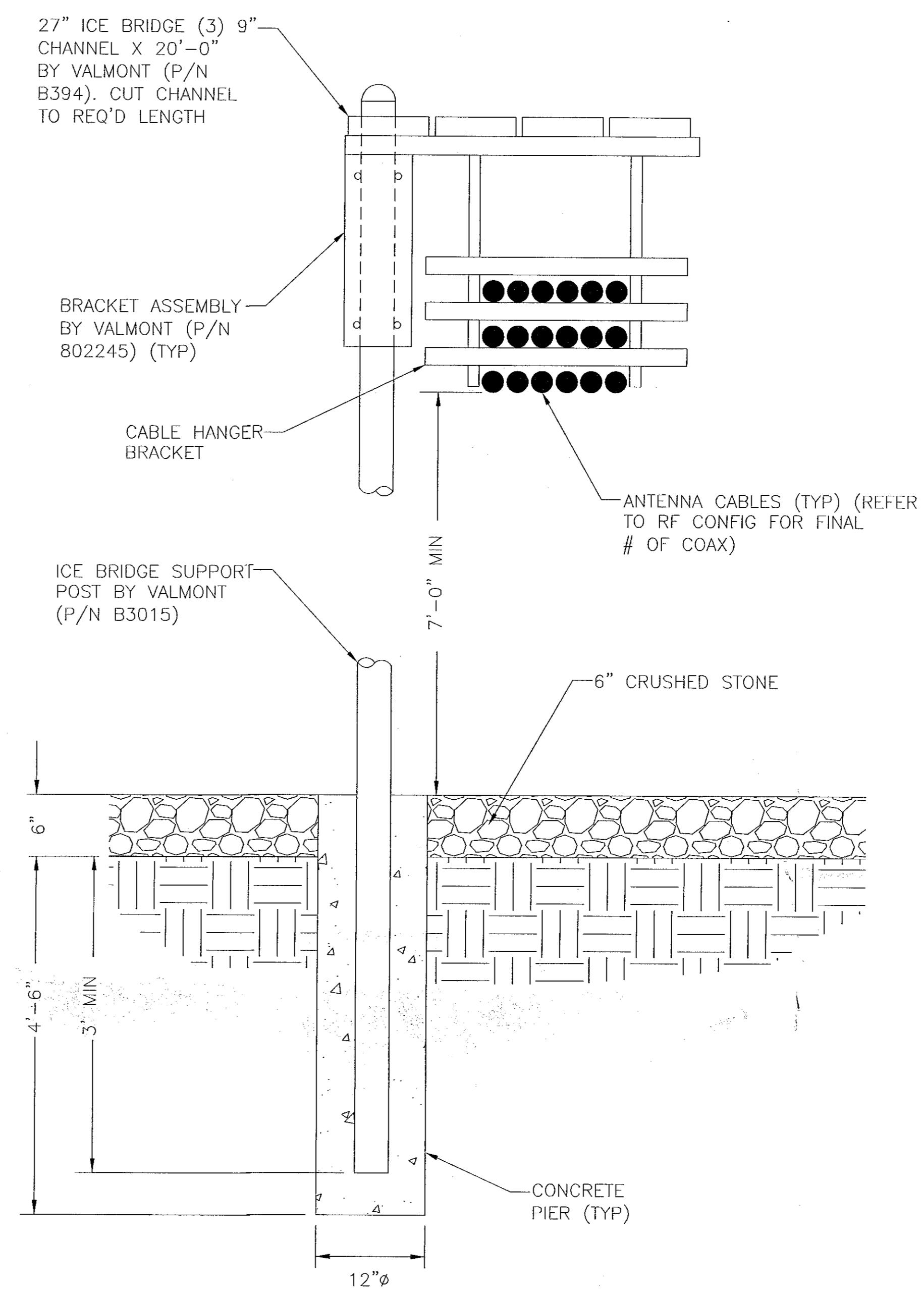
SEED, FERTILIZER, HYDROMULCH, WATER AND INOCULATE SHALL BE THOROUGHLY MIXED IN THE HYDROSEEDING MIXING TANK PRIOR TO APPLICATION.

PERMANENT LAWN AREA: APPLICATION RATES ARE AS FOLLOWS:

| SEED | 200 POUNDS PER ACRE |
|-------------|--|
| FERTILIZER | 1000 POUNDS PER ACRE |
| LIMING RATE | 1 TON PER ACRE |
| HYDROMULCH | 1200 POUNDS PER ACRE |
| WATER | 500 GALLONS PER ACRE MINIMUM |
| INOCULATE | 4 TIMES MANUFACTURER'S RECOMMENDED RATE. |

IF MULCHING IS NOT APPLIED WITH HYDROSEED MIXTURE, APPROVED MULCHING CONSISTING OF HYDROMULCH FIBER OR STRAW SHALL BE SPREAD EVENLY AT THE RATE OF 3 TONS PER ACRE. MULCH IS TO BE TACKED INTO PLACE.

PARKING AREAS OF THE SITE WILL BE STABILIZED BY APPLYING STONE SUB-BASE. SEEDING SEASON DATES: 4/1-6/15 OR 8/16-10/15

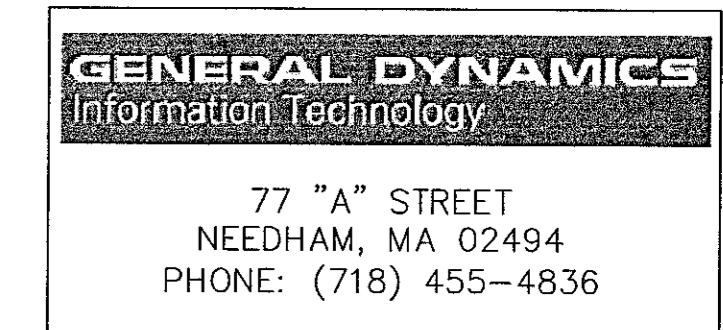
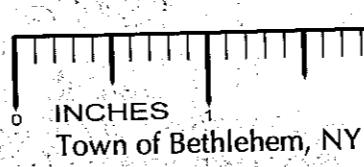


ICE BRIDGE DETAIL

N.T.S.

NOTES:

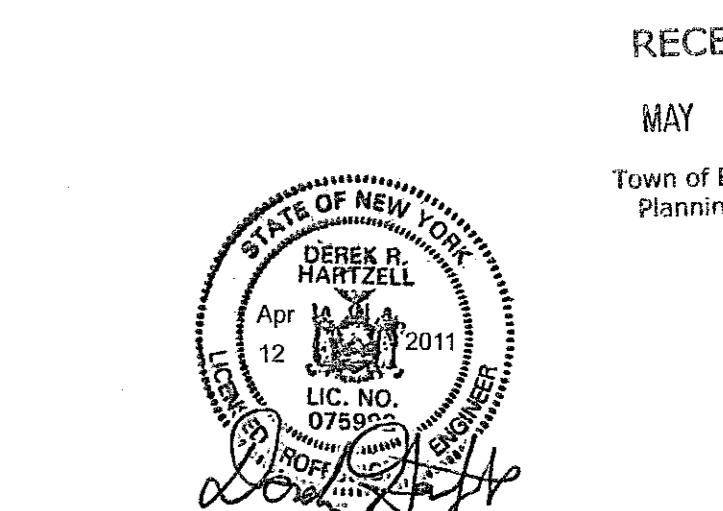
1. USE VALMONT PARTS OR APPROVED EQUAL.
2. SUPPORT POSTS SHALL BE LOCATED ON ALTERNATING SIDES OF ICE BRIDGE, SPACED NO MORE THAN 6'-0".
3. ANY SPLICES OR CANTILEVERED SECTIONS OF THE ICE BRIDGE SHALL BE LOCATED WITHIN 2'-0" OF A SUPPORT POST.

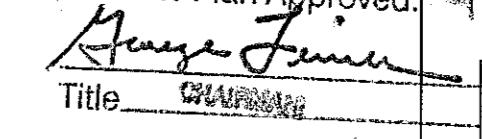


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DESIGNED BY: DRB DATE: 5/5/09
APPROVED BY: A&E PROJECT #: DWC 09-BV-172

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| 7. | 2/3/11 REVISED PER REDLINES |
| NO. | DATE DESCRIPTION |



| | |
|--|----|
| PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK | |
| This Site Plan Approved. | |
| 
Title: C.R.P.
Date: May 17, 2011 SPA-170/Sup14 | |
| SITE NAME: ESCO TOWER
DELMAR-VAN DYKE ROAD | |
| SITE NUMBER: A-04-010 | |
| SITE ADDRESS: 75 VAN DYKE ROAD
DELMAR, NEW YORK 12054 | |
| SITE TYPE: RAW LAND | |
| SHEET TITLE: DETAILS | |
| DRAWING #: | Z7 |
| REVISION: | 12 |

