## PROJECT DESCRIPTION:

CONSTRUCTION OF PUBLIC UTILITY/PERSONAL WIRELESS SERVICE FACILITY CONSISTING OF A MONOPOLE TOWER, INITIALLY (2) PRIMARY EQUIPMENT CABINETS. AND A UTILITY BACKBOARD WITHIN A FENCED COMPOUND. NO WATER OR SEWER IS REQUIRED.

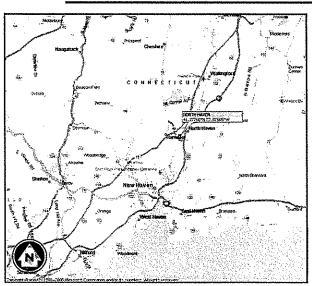
### CODE COMPLIANCE:

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:

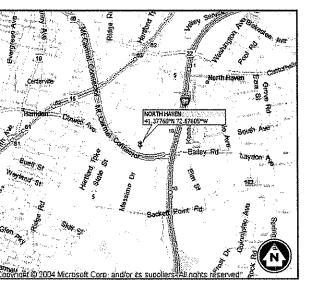
- 1. CT BUILDING CODE
- 2. UNIFORM BUILDING CODE
- 3. BUILDING OFFICIALS AND CODE 7. NATIONAL ELECTRIC CODE
- ADMINISTRATORS (BOCA) 4. UNIFORM MECHANICAL CODE 9. CITY/COUNTY ORDINANCES
- 5. ANSI/TIA/EIA-222-F 6. UNIFÓRM PLUMBING CODE
- 8. LOCAL BUILDING CODE
- **NORTH HAVEN** SITE ID: CTNH 101

**Phoenix Partnership** 

50 DEVINE ST. NORTH HAVEN, CT 06473



VICINITY MAP



LOCATION MAP

infinigy engineering <sub>\*</sub> & surveying

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

PROPOSED TOWER HEIGHT: ±120' AGL 41' 22' 39.36" N 72' 52' 33.78" W ±8.0' AGL LATITUDE: LONGITUDE: **ELEVATION:** 

DIG ALERT:

CALL FOR UNDERGROUND UTILITIES PRIOR TO DIGGING: 1-888-922-4455

EMERGENCY:

NEW HAVEN COUNTY, CONNECTICUT

# PROJECT INFORMATION

SITE NAME:

SITE ADDRESS:

NORTH HAVEN

SITE ID:

CTNH 101

50 DEVINE ST. NORTH HAVEN, CT 06473

ZONING JURISDICTION:

CONNECTICUT SITING COUNCIL

ZONING CLASSIFICATION:

PARCEL ID:

MAP PARCEL: 51, LOT: 21

PARENT PARCEL SIZE: CONSTRUCTION AREA:

6.037 AC. ±262,960 SQ. FT.

±7,000 SQ. FEET

LATITUDE:

41° 22' 39,36" N

LONGITUDE:

72\* 52' 33.78" W

# PROJECT DIRECTORY

PROPERTY OWNER: 424 CHAPEL STREET, LLC

424 CHAPEL STREET NORTH HAVEN, CT 06511

CONTACT:

TEL: (203) 772-2420

APPLICANT:

PHOENIX PARTNERSHIP, LLC 110 WASHINGTON AVE NORTH HAVEN, CT 06473

CONTACT:

KEITH COPPINS (203) 623-3287

**ENGINEER:** 

INFINIGY ENGINEERING & SURVEYING, PLLC

11 HERBERT DRIVE LATHAM, NY 12110

CONTACT:

PAUL FANOS PHONE: (518) 690-0790

ATTORNEY:

COHEN & WOLF, P.C. 1115 BROAD STREET BRIDGEPORT, CT 06604

CONTACT:

JULIE D. KOHLER, ESQ.

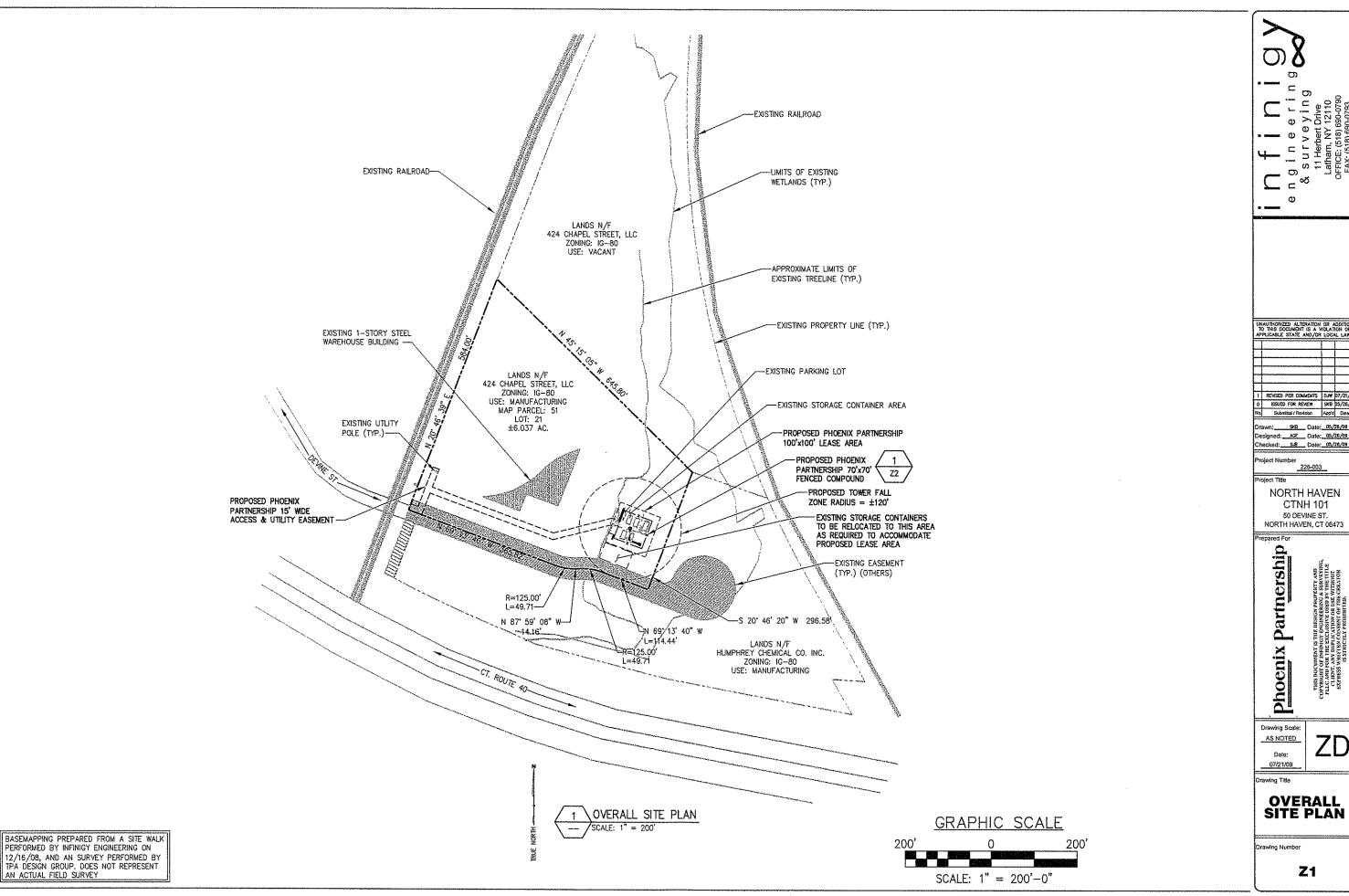
PHONE: (203) 337-4157

POWER COMPANY: UNITED ILLUMINATING

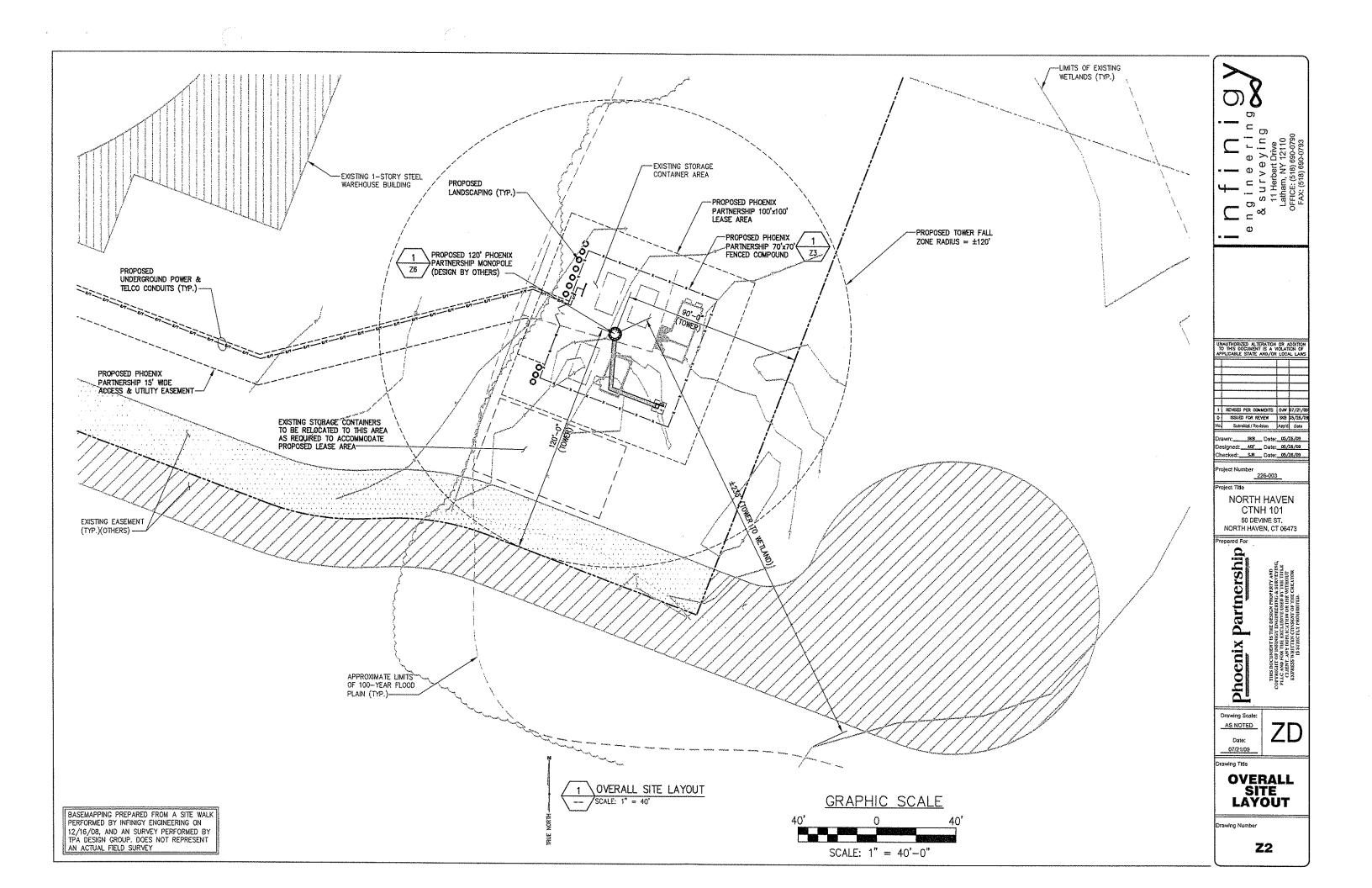
TELCO COMPANY:

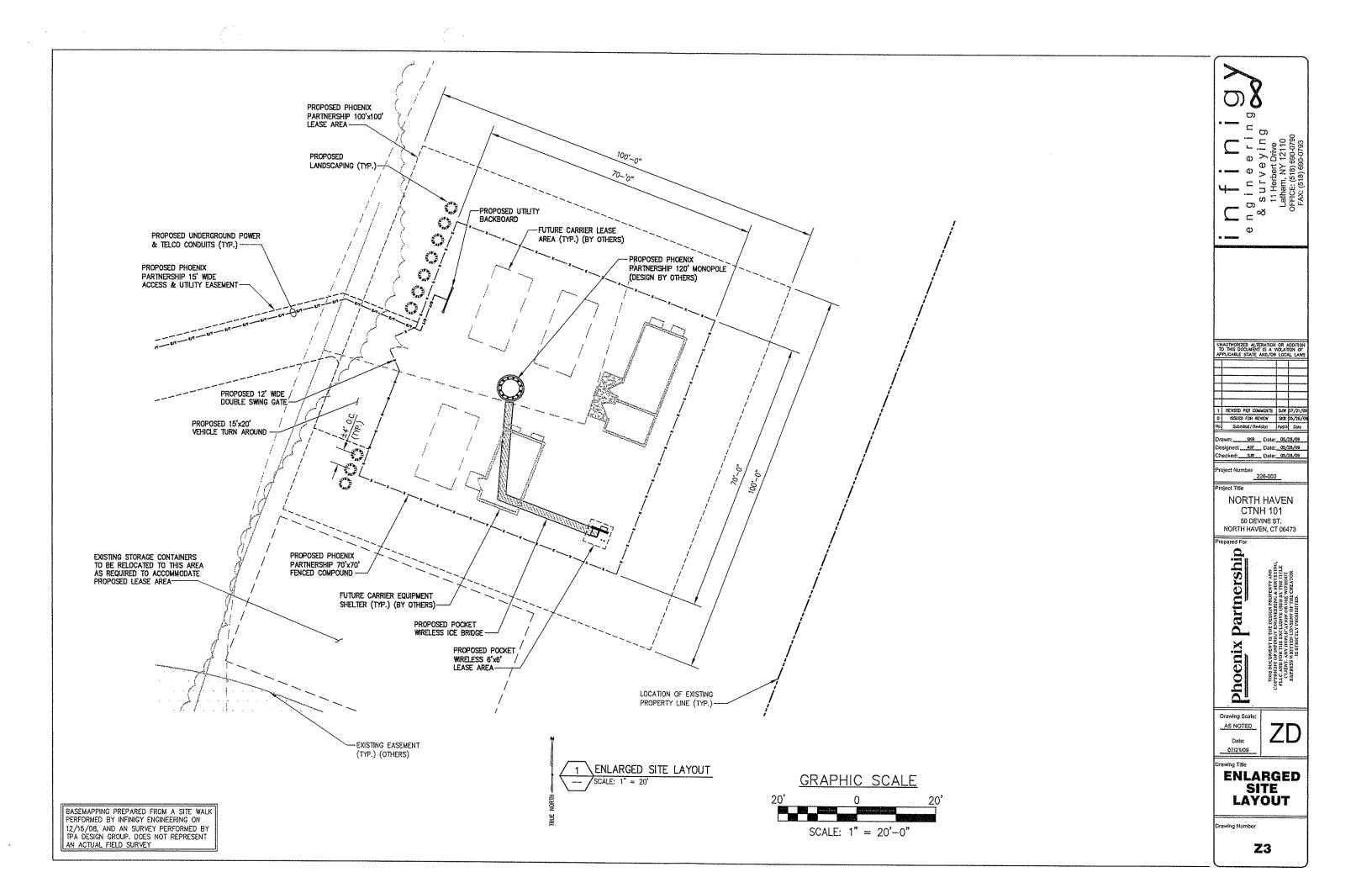
# DRAWING INDEX

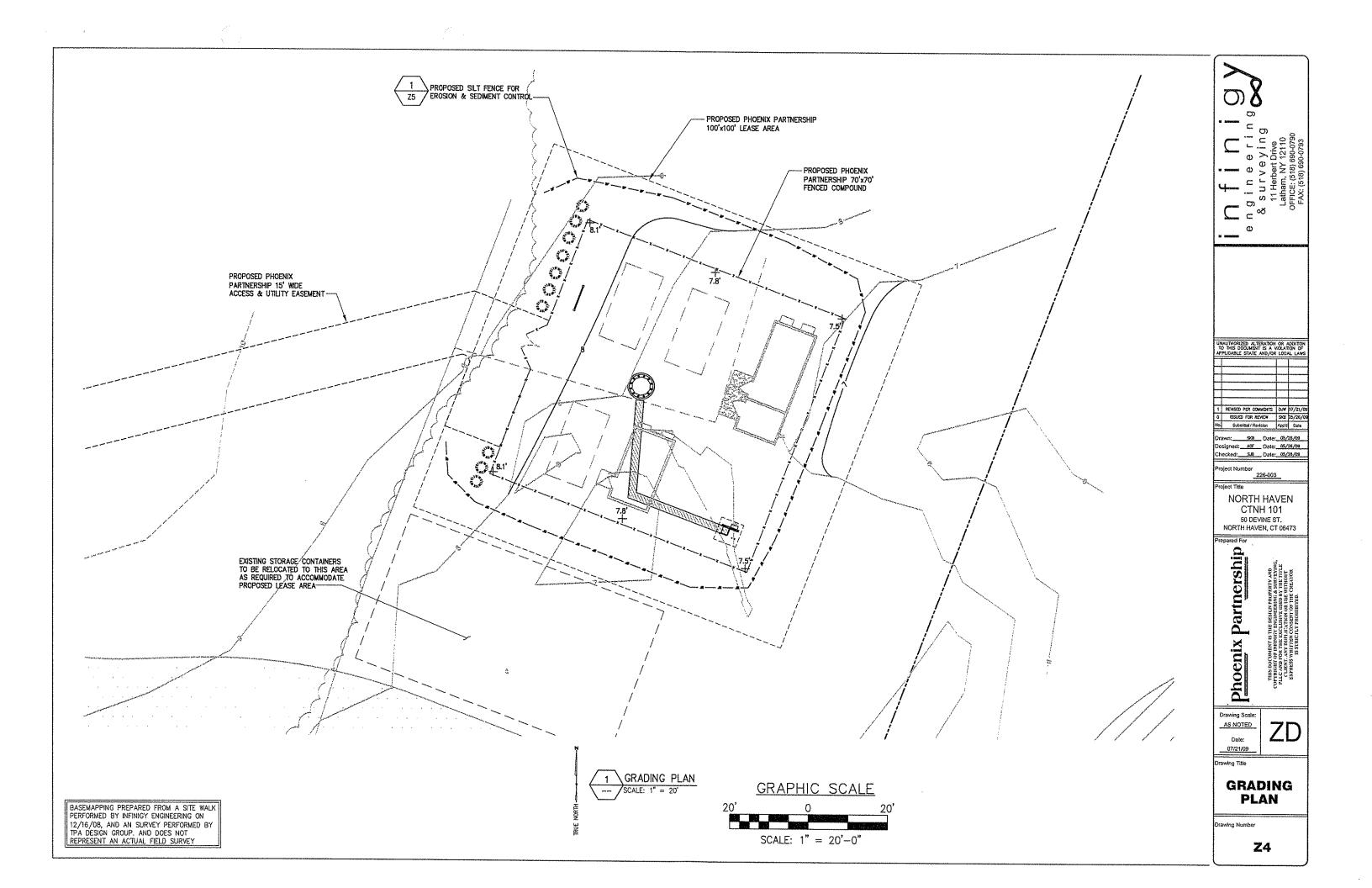
DRWG. #	TITLE	REV.#	DATE
T1	TITLE SHEET	1	07/21/09
Z1	OVERALL SITE PLAN	1	07/21/09
Z2	OVERALL SITE LAYOUT	1	07/21/09
Z3	ENLARGED SITE LAYOUT	1	07/21/09
Z4	GRADING PLAN	1	07/21/09
Z5	GRADING NOTES & DETAILS	1	07/21/09
Z6	ELEVATION VIEW & DETAILS	1	07/21/09



UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF APPLICABLE STATE AND/OR LOCAL LAW: 1 REVISED PER COMMENTS DUM 07/21/0 wn; SKB Date: 05/28/09 esigned: AGF Date: 05/26/09 ecked: S.S Date: 05/26/09 NORTH HAVEN CTNH 101 50 DEVINE ST. NORTH HAVEN, CT 06473







## **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
- 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
- 6. 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.
- 8. 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.
- 12. 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

# GENERAL EROSION & SEDIMENT CONTROL NOTES:

- THE SOIL EROSION AND SEDIMENT CONTROL MEASURES AND DETAILS AS SHOWN HERIN AND STIPULATED WITHIN STATE STANDARDS SHALL BE FOLLOWED AND INSTALLED IN A MANNER SO AS TO MINIMIZE SEDIMENT LEAVING THE SITE.
- 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
- 5. 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.
- 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.
- 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.

	VEGETATIVE SCHEDULE							
	SPECIES		RATE/1000 S.F.		DATE			
TALL FESCUE GRASS		1.0#		APRIL 1 - OCTOBER 15				
SERICEA LESPEDEZA SEED BEARING HAWITH OVERSEEDING WEEPING LOVEGRAS		HAY	140# 0.2#		OCTOBER 1 - MARCH 15 MARCH 15 - MAY 1			
	Į	ERTIL	JZER MIX	<				
APPLICATION	N, #/ACRE	P2 O5, #/ACRE K2O, #		K <sub>2</sub> O, #/	ACRE	N, TOP DRESSING		
1st	60 - 90	120 — 180		120 - 180		50		
2nd	60	120 120		120		_		

#### NOTE:

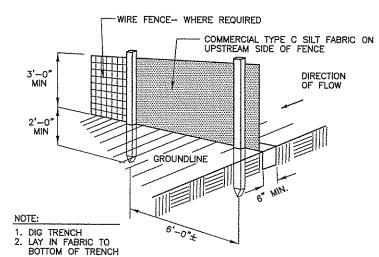
- GRASS AND MULCH ALL DISTURBED AREAS

### 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 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. A 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.



### CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- 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.

POSTS: STEEL EITHER T OR U

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.

PREFABRICATED UNIT: GEOFAB. ENVIROFENCE OR APPROVED



Ö e r i yin Drive 12110 · \_ = = ½, \_ \_ S D ංජ  $\subseteq$ Φ UNAUTHORIZED ALTERATION OR ADDITIO TO THIS OCCUMENT IS A VIOLATION OF APPLICABLE STATE AND/OR LOCAL LAW REVISED PER COMMENTS | Daw 07/21/0 ISSUED FOR REMEW SKB 05/28/ Sk8 Date: 05/26/09 esigned: AGF Date: 06/28/09 Checked: \$8 Date: 05/28/09 olect Numbe lect Title NORTH HAVEN CTNH 101 50 DEVINE ST. NORTH HAVEN, CT 06473 **Partnership Phoenix** OF II OF II ANY WRITH OPYRIGHT PLC AND PI CLENT., EXPRESSY AS NOTED

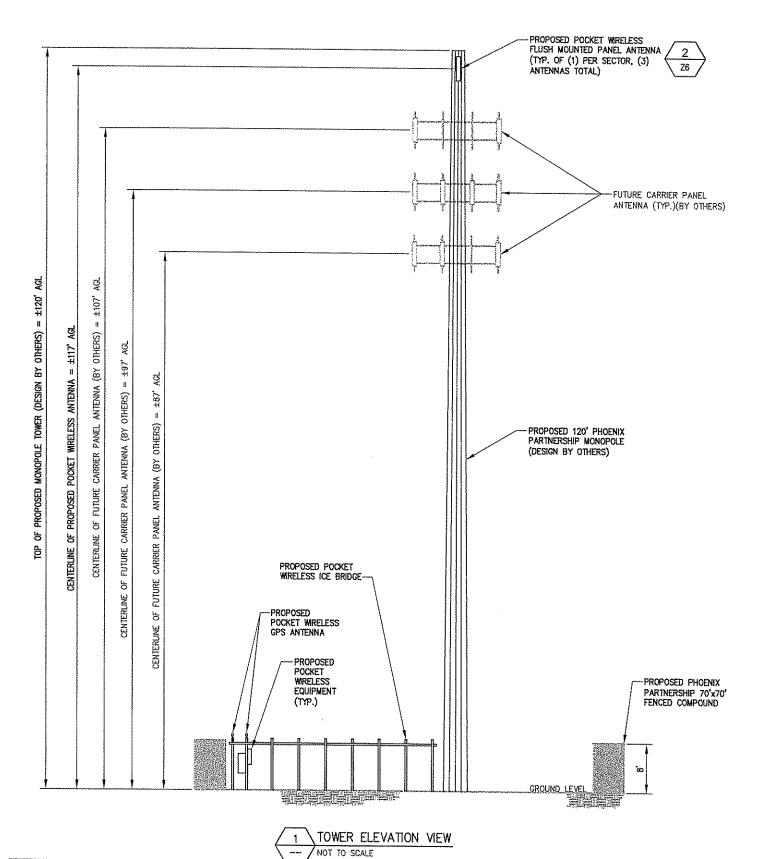
07/21/09

GRADING NOTES & DETAILS

**Z**5

3. BACKFILL TRENCH.

COVERING FABRIC



PROPOSED POCKET WRELESS
FLUSH MOUNTED PANEL ANTENNA
(TYP. OF (1) PER SECTOR, (3)
ANTENNAS TOTAL)

PROPOSED 120' PHOENIX
PARTMERSHIP MONOPOLE
(DESIGN BY OTHERS)

2 ANTENNA ORIENTATION

NOT TO SCALE

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF APPLICABLE STATE AND/OR LOCAL LAWS 1 REVISED PER CONMENTS DUM 07/21/09 O ISSUED FOR REVIEW SKB 05/26/09 rawn: SKB Date: 05/26/09 Designed: <u>AGF</u> Date: 05/26/09 Checked: SJB Date: 05/26/09 oject Title NORTH HAVEN CTNH 101 50 DEVINE ST. NORTH HAVEN, CT 06473 Phoenix Partnership Drawing Scale: AS NOTED Dale:

07/21/09

awing Tille

**ELEVATION** 

VIEW & DETAILS

**Z6** 

STRUCTURAL ANALYSIS NOT COMPLETED AT TIME IF ISSUANCE OF THESE DRAWINGS. THE STRUCTURAL ANALYSIS MUST BE COMPLETED PRIOR TO CONSTRUCTION.

PROPOSED ANTENNA RAD CENTER IS PRELIMINARY AND IS SUBJECT TO CHANGE WITH FINAL RF CONFIGURATION BY RF ENGINEER,