

# **PLATTSVILLE RELO**

**5151 Park Avenue  
Fairfield, Connecticut**

Description of Proposed Cell Site

Cellco Partnership d/b/a Verizon Wireless  
20 Alexander Drive  
Wallingford, CT 06492

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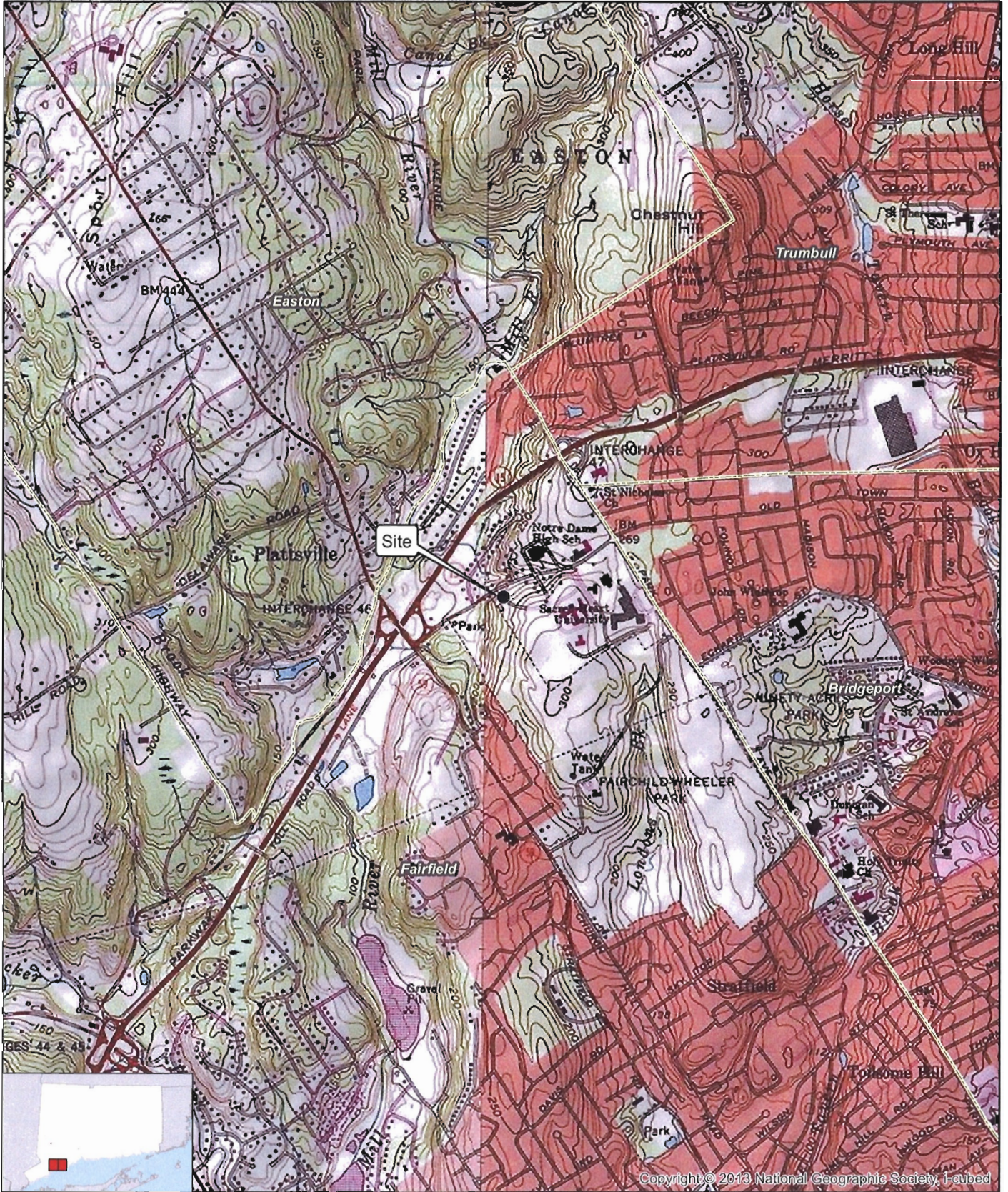
SITE NAME: PLATTSVILLE RELO – 5151 PARK AVENUE, FAIRFIELD, CT

GENERAL CELL SITE DESCRIPTION

The proposed Plattsville Relo Facility would be located in the northwest portion of the main campus of Sacred Heart University (“SHU”). The facility would consist of a 130-foot telecommunications tower and associated equipment located within a 50’ x 50’ fenced compound and 50’ x 80’ leased area. Cellco will install one equipment cabinet, a propane-fueled generator and a propane fuel tank within a fenced facility compound.

Cellco would attach twelve (12) antennas and nine (9) remote radio heads to an antenna platform at a centerline height of 130 feet above ground level. The top of Cellco’s antennas will extend above the top of the tower to a height of 133 feet. Vehicular access to the facility would extend from Jefferson Street. Utility service would also extend from existing service along Jefferson Street.





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**Legend**

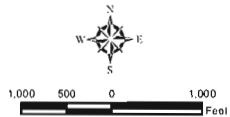
- Site
- Municipal Boundary

**Site Location Map**

Proposed Wireless  
 Telecommunications Facility  
 Plattsville Relo CT  
 5151 Park Avenue  
 Fairfield, Connecticut






**Map Notes:**  
 Base Map Source: USGS 7.5 Minute Topographic  
 Quadrangle Maps, Bridgeport, CT (1984) and Westport, CT (1975)  
 Map Scale: 1:24,000  
 Map Date: February 2020







**Legend**

-  Site
-  Subject Property
-  Municipal Boundary

*Map Notes:*  
 Base Map Source: CT ECO 2019 Imagery  
 Map Scale: 1 inch = 600 feet  
 Map Date: February 2020



**Site Location Map**

Proposed Wireless  
 Telecommunications Facility  
 Plattsville RELO CT  
 5151 Park Avenue  
 Fairfield, Connecticut





## SITE EVALUATION REPORT

SITE NAME: PLATTSVILLE RELO – 5151 PARK AVENUE, FAIRFIELD, CT

### I. TOWER LOCATION

- A. COORDINATES: 41°-13'-19.22" N 73°-14'-54.62" W
- B. GROUND ELEVATION: Approximately 223± feet AMSL
- C. U.S.G.S. QUADRANGLE MAP: Bridgeport CT and Westport, CT
- D. SITE ADDRESS: 5151 Park Avenue
- E. ZONING WITHIN 1/4 MILE OF SITE: Land within ¼ mile of the cell site is in Fairfield's R-3 Residential zoning districts.

### II. DESCRIPTION

- A. SITE SIZE: 50' x 50' Fenced Compound  
50' x 80' Leased Parcel
- B. LESSOR'S PARCEL: The SHU main campus consists of five separate parcels. The U-shaped parcel where the tower would be located is a 60.2-acre parcel owned by the Bridgeport Roman Catholic Diocesan Corporation and leased to SHU.
- C. TOWER TYPE/HEIGHT: 130' Monopole Tower
- D. SITE TOPOGRAPHY AND SURFACE: Topography in the area of the proposed cell site slopes down from south to north toward Jefferson Street. Celco will utilize a portion of an existing driveway from Jefferson Street a distance of approximately 175 feet to the cell site. Minimal clearing and some grading will be required to prepare the use of the proposed cell site.
- E. SURROUNDING TERRAIN, VEGETATION, WETLANDS, OR WATER: The closest wetland area to the Plattsville Relo Facility compound is a man-made stormwater basin located approximately 23 feet to the south. No direct impacts to this wetland proposed or anticipated from the development of the Plattsville Relo Facility compound.

- F. LAND USE WITHIN 1/4 MILE OF SITE: The SHU main campus is surrounded by the Fairchild Wheeler Golf Course to the west and south, residential and commercial land to the east and residential and educational uses to the north. (See Aerial Photograph and U.S.G.S. Topographic Map at pp. 2 and 3).

III. FACILITIES

- A. POWER COMPANY: United Illuminating Co.
- B. POWER PROXIMITY TO SITE: Approximately 175 feet to the north along Jefferson Street.
- C. TELEPHONE COMPANY: Frontier Communications
- D. PHONE SERVICE PROXIMITY: Same as power
- E. VEHICLE ACCESS TO SITE: Vehicle access to the site would extend from Jefferson Street over an existing driveway.
- F. CLEARING AND FILL REQUIRED: Minimal tree clearing, and grading would be required for construction of the facility compound and improvements to the access driveway. Detailed construction plans would be developed if this location is approved by the Siting Council.

IV. LEGAL

- A. PURCHASE [ ] SUB-LEASE [X]
- B. OWNER: Bridgeport Roman Catholic Diocesan Corporation
- C. LESSOR: Sacred Heart University, Inc.
- D. ADDRESS: 5151 Park Avenue Fairfield, CT
- E. DEED ON FILE AT:

Town of Fairfield, CT Land Records

Volume: 0312 Page: 0458

FACILITIES AND EQUIPMENT SPECIFICATION  
(NEW TOWER & EQUIPMENT)

SITE NAME: PLATTSVILLE RELO – 5151 PARK AVENUE, FAIRFIELD, CT

I. TOWER SPECIFICATIONS:

A. MANUFACTURER: To be determined

B. TYPE: Self-supporting monopole

C. TOWER HEIGHT: 130'

TOWER DIMENSIONS:   Approx. 50" base  
                                  Approx. 24" top

II. TOWER LOADING:

A. CELLCO EQUIPMENT:

1. Panel Antennas – Twelve (12)  
Four (4) Commscope JAHH-65B-R3B  
Four (4) Swedcom SC-E 6014  
Four (4) Swedcom SC 9012
2. Remote Radio Heads (RRH)  
Three (3) Samsung RFV01U-D2A  
Three (3) Samsung RFV01U-D1A
3. GPS Antenna: Attached to the equipment canopy
4. Transmission Lines:  
Two (2) Model: HS 85016661 HYBRIFLEX™ fiber optic antenna  
cables inside the monopole

III. ENGINEERING ANALYSIS AND CERTIFICATION:

The towers will be designed in accordance with Electronic Industries Association Standard EIA/TIA-222-G "Structural Standards for Steel Antenna Towers and Antenna Support Structures." The foundation designs would be based on soil conditions at the site. Details for the towers and foundation designs will be provided as a part of the final D&M Plan.



## ENVIRONMENTAL ASSESSMENT STATEMENT

SITE NAME: PLATTSVILLE RELO – 5151 PARK AVENUE, FAIRFIELD, CT

### I. PHYSICAL IMPACT

#### A. WATER FLOW AND QUALITY

No water flow and/or water quality changes are anticipated as a result of the construction or operation of the facility. There are no lakes, ponds, rivers, streams, wetlands or other regulated bodies of water located in the area to be used for the access drive, tower or related facility improvements. Cell site equipment used will not discharge any pollutants to area surface or groundwater systems. The closest wetland area to the facility compound is a man-made stormwater basin located approximately 23 feet to the south. (See also Attachment 11).

#### B. AIR QUALITY

Under ordinary operating conditions, Cellco's equipment at the Plattsville Relo Facility would generate no air emissions. During power outages and periodically for maintenance purposes, Cellco would utilize a propane-fueled generator to provide emergency back-up power to the facility. Cellco's back-up generator will be managed to comply with the "permit by rule" criteria established by the Connecticut Department of Energy and Environmental Protection ("DEEP") Bureau of Air Management, pursuant to R.C.S.A. § 22a-174-3b.

#### C. LAND

Minimal site clearing and grading in the area of the tower compound will be required to construct the facility. Minimal grading and some tree trimming may be required to utilize the proposed access driveway. The remaining land outside the leased portion of the premises would remain unchanged by the construction and operation of the cell site.

#### D. NOISE

The equipment to be in operation at the site after construction would emit no noise of any kind, except for the occasional operation of the back-up generator which would only run when power to the facility is interrupted and periodically for maintenance purposes. Some noise is anticipated during cell site construction.

E. POWER DENSITY

The worst-case calculation of power density for Cellco's 700 MHz, 850 MHz, 1900 MHz and 2100 MHz antennas at the Plattsville Relo Facility would be 47.01% of the FCC Safety Standard. (See Attachment 15).

F. VISIBILITY

See Visual Assessment & Photo-Simulations included as Attachment 9.

CELLCO PARTNERSHIP

d.b.a. **verizon**✓

WIRELESS COMMUNICATIONS FACILITY  
**PLATTSVILLE RELO CT**  
 5151 PARK AVENUE  
 FAIRFIELD, CT 06825

PREPARED FOR: CELLCO PARTNERSHIP D.B.A.

**verizon**✓

**H D G**  
**HUDSON**  
 Design Group LLC

45 BEECHWOOD DRIVE TEL: (978) 557-5553  
 N. ANDOVER, MA 01845 FAX: (978) 336-5586



*Daniel P. Hamon*

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS

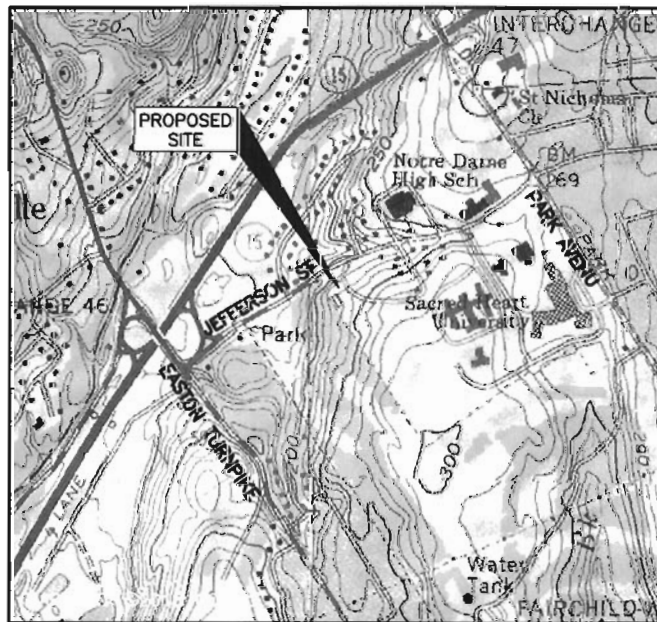
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1	9/22/20	REVISED PER COMMENTS	SLY
0	2/11/20	ISSUED FOR REVIEW	SLY

SITE NAME:  
**PLATTSVILLE  
 RELO CT**

SITE ADDRESS:  
 5151 PARK AVENUE  
 FAIRFIELD, CT 06825

SHEET TITLE  
**TITLE SHEET**

SHEET NUMBER  
**T-1**



VICINITY MAP

SCALE: 1"=800'-0"

DIRECTIONS TO SITE:

FROM VERIZON'S WALLINGFORD CT OFFICE  
 GET ON I-91 S FROM CT-68 E  
 HEAD NORTH ON ALEXANDER DR TOWARD BARNES INDUSTRIAL RD S  
 TURN RIGHT ONTO BARNES INDUSTRIAL RD S  
 TURN RIGHT ONTO CT-68 E  
 TURN RIGHT ONTO THE INTERSTATE 91 S RAMP TO NEW HAVEN  
 FOLLOW I-91 S, I-95 S AND CT-15 S TO PARK AVE IN TRUMBULL. TAKE EXIT  
 47 FROM CT-15 S  
 MERGE ONTO I-91 S  
 TAKE EXIT 38 FOR STATE 15 TOWARD MERRITT PKWY/WILBUR CROSS PKWY  
 MERGE ONTO MILFORD PKWY  
 MERGE ONTO CT-15 S  
 TAKE EXIT 47 FOR PARK AVE  
 CONTINUE ON PARK AVE TO YOUR DESTINATION IN FAIRFIELD.  
 AT THE TRAFFIC CIRCLE, TAKE THE 1ST EXIT ONTO PARK AVE  
 TURN RIGHT 5151 PARK AVE  
 FAIRFIELD, CT 06825

CONSULTANT TEAM

PROJECT ENGINEER

HUDSON DESIGN GROUP, LLC  
 45 BEECHWOOD DRIVE  
 NORTH ANDOVER, MA 01845  
 TEL: 1-(978)-557-5553  
 FAX: 1-(978)-336-5586

MEP ENGINEER

HUDSON DESIGN GROUP, LLC  
 45 BEECHWOOD DRIVE  
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 TEL: 1-(978)-557-5553  
 FAX: 1-(978)-336-5586

PROJECT SUMMARY

**SITE NAME:** PLATTSVILLE RELO CT  
**SITE ADDRESS:** 5151 PARK AVENUE  
 FAIRFIELD, CT 06825  
**PROPERTY OWNER:** BRIDGEPORT ROMAN CATHOLIC  
 DIOCESAN CORP.  
 238 JEWETT AVENUE  
 BRIDGEPORT, CT 06606  
**APPLICANT:** CELLCO PARTNERSHIP  
 d/b/a VERIZON  
 20 ALEXANDER DRIVE  
 WALLINGFORD, CT 06108  
**SITE ACQUISITION CONTACT:** ALEKSEY TYURIN  
 STRUCTURE CONSULTING GROUP  
 20 ALEXANDER DRIVE  
 WALLINGFORD, CT 06492  
**LEGAL/REGULATORY COUNSEL:** KENNETH C. BALDWIN ESQ.  
 ROBINSON + COLE LLP  
 (860)275-8345  
**LATITUDE:** N41° 13' 19.22"  
**LONGITUDE:** W73° 14' 54.62"

SCOPE OF WORK INFO.

VERIZON WIRELESS IS PROPOSING TO INSTALL THE FOLLOWING IMPROVEMENTS ON PROPOSED TELECOMMUNICATION SITE:

- NEW 2,500 SQ. FT. FENCED COMPOUND WITHIN PROPOSED 50'x80' LEASE AREA ON EXISTING PARCEL OF LAND.
- NEW PANEL ANTENNAS: (4) ANTENNAS PER SECTOR WITH (3) SECTORS, FOR A TOTAL OF (12) ANTENNAS.
- NEW RRHs: (2) RRHs PER SECTOR WITH (3) SECTORS, FOR A TOTAL OF (6) RRHs
- NEW JUNCTION BOX: (1) JUNCTION BOX (OVP) TOTAL.
- ITEMS LISTED ABOVE TO BE MOUNTED ON PROPOSED VERIZON MONOPOLE.
- NEW EQUIPMENT CABINETS: (2) CABINETS ON PROPOSED 4'-0"x7'-6" CONCRETE PAD, PROPANE TANK ON 4'x10" CONCRETE PAD AND GENERATOR ON 3'-6"x8'-0" CONCRETE PAD.
- ITEMS LISTED ABOVE TO BE INSTALLED WITHIN THE PROPOSED 2,500 SQ. FT. FENCED COMPOUND.
- NEW POWER AND TELCO SERVICES WILL BE ROUTED UNDERGROUND FROM EXISTING UTILITY POLE TO PROPOSED ELECTRICAL METER AND HOFFMAN BOX ON PROPOSED H-FRAME.
- FINAL UTILITY ROUTING TO BE DETERMINED/VERIFIED BY UTILITY COMPANIES.





45 BECHWOOD DRIVE N. ANDOVER, MA 01845 TEL: (978) 557-5553 FAX: (978) 334-5586



*Daniel P. Hamon*

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APPROVED BY: DPH

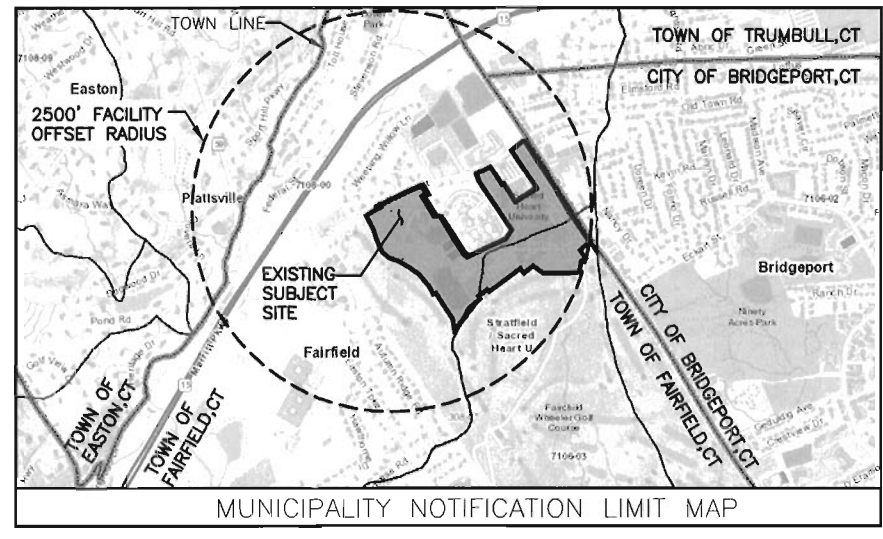
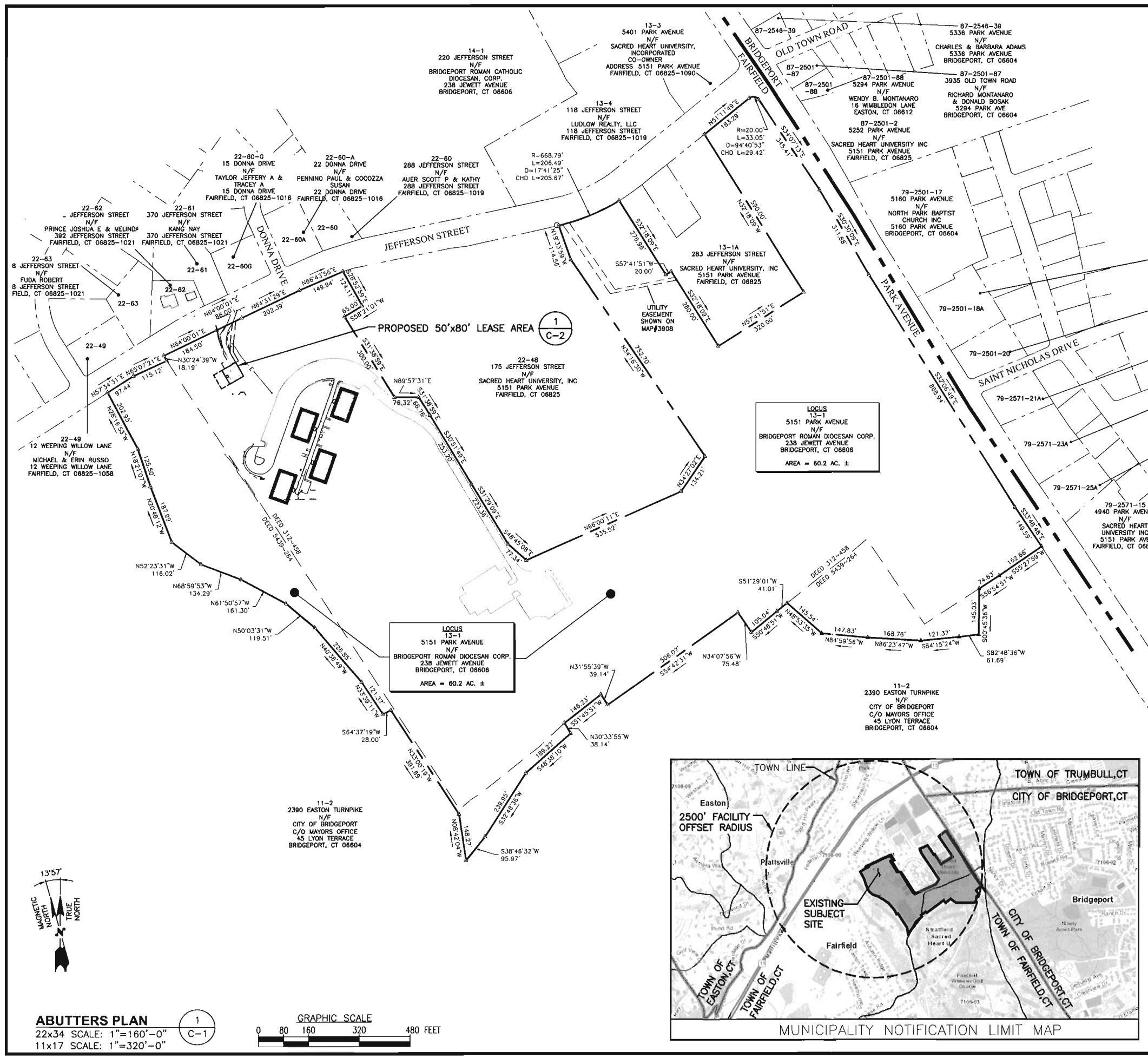
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REV.	DATE	DESCRIPTION	BY
1	9/22/20	REVISED PER COMMENTS	SJY
0	2/11/20	ISSUED FOR REVIEW	SJY

SITE NAME:  
**PLATTSVILLE  
 RELO CT**

SITE ADDRESS:  
 5151 PARK AVENUE  
 FAIRFIELD, CT 06825

SHEET TITLE  
**ABUTTERS PLAN**

SHEET NUMBER  
**C-1**



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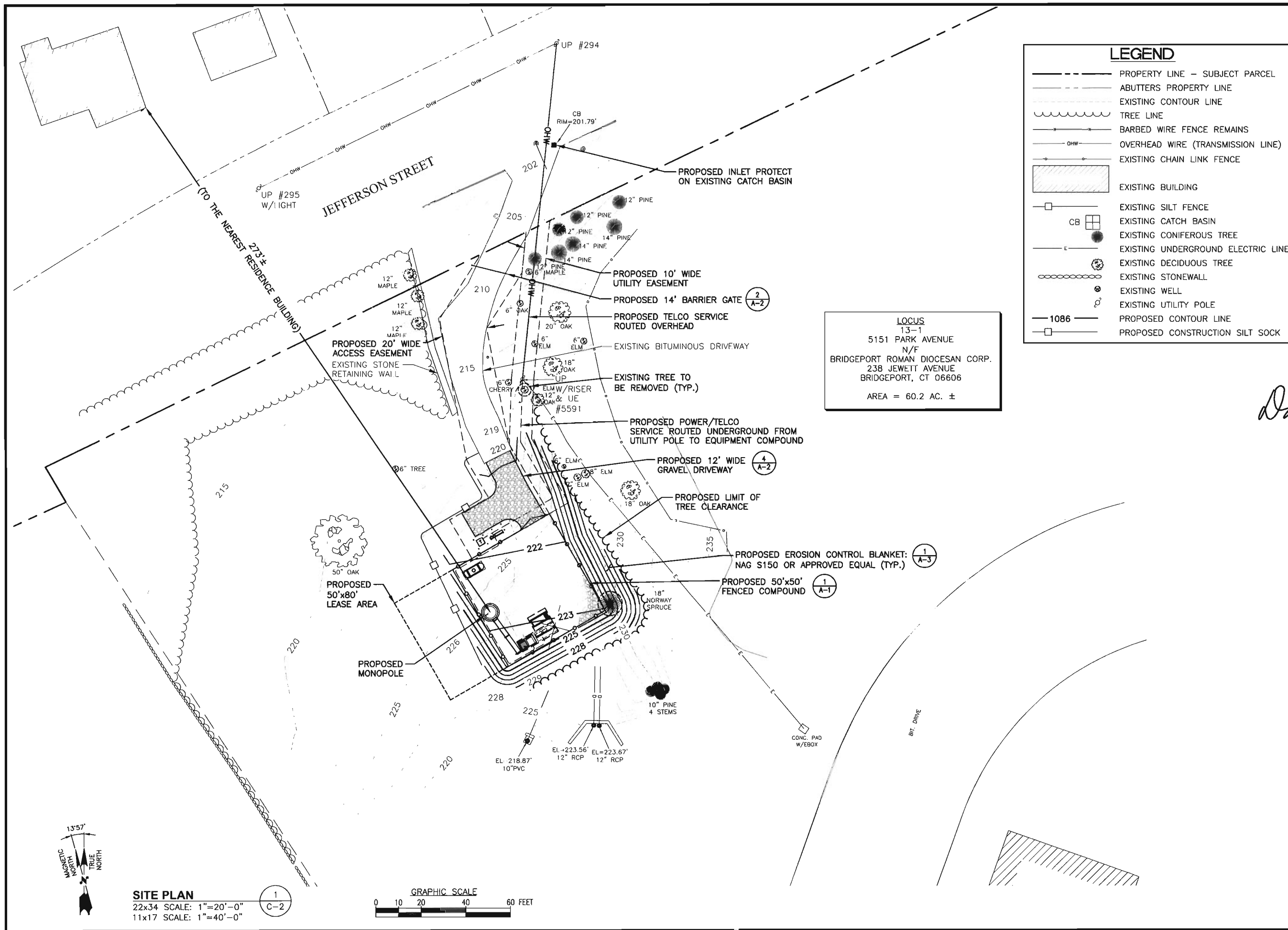
- PLANS CREATED BY NORTHEAST SURVEY CONSULTANTS ENTITLED ABUTTERS PLAN AND EXISTING CONDITIONS PLANT DATED FEBRUARY 4, 2020
- ONLINE GIS MAPS FROM THE TOWN OF FAIRFIELD CT ACCESS ON FEBRUARY 4, 2020

**SITE SPECIFIC NOTES:**

- SITE SURVEY HAS NOT BEEN CONDUCTED BY HUDSON DESIGN GROUP, LLC FOR THIS PROJECT. ALL SETBACKS SHOWN ON THIS PLAN ARE TAKEN FROM CORNERS OF PROPOSED LEASE AREA TO PROPERTY LINES AND ARE APPROXIMATE.
- PROPERTY LINE INFORMATION IS COMPILED FROM ASSESSORS PLAN AND RECORD DOCUMENTS AND IS NOT TO BE CONSTRUED AS HAVING BEEN OBTAINED AS THE RESULT OF A FIELD BOUNDARY SURVEY, AND IS SUBJECT TO CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE. A FULL BOUNDARY SURVEY WAS NOT PERFORMED.

**LEGEND**

- PROPERTY LINE - SUBJECT PARCEL
- ABUTTERS PROPERTY LINE
- EXISTING CONTOUR LINE
- TREE LINE
- BARBED WIRE FENCE REMAINS
- OVERHEAD WIRE (TRANSMISSION LINE)
- EXISTING CHAIN LINK FENCE
- PROPOSED CONTOUR LINE
- PROPOSED CONSTRUCTION SILT SOCK
- EXISTING BUILDING



**LEGEND**

	PROPERTY LINE - SUBJECT PARCEL
	ABUTTERS PROPERTY LINE
	EXISTING CONTOUR LINE
	TREE LINE
	BARBED WIRE FENCE REMAINS
	OVERHEAD WIRE (TRANSMISSION LINE)
	EXISTING CHAIN LINK FENCE
	EXISTING BUILDING
	EXISTING SILT FENCE
	EXISTING CATCH BASIN
	EXISTING CONIFEROUS TREE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING DECIDUOUS TREE
	EXISTING STONEWALL
	EXISTING WELL
	EXISTING UTILITY POLE
	PROPOSED CONTOUR LINE
	PROPOSED CONSTRUCTION SILT SOCK

**LOCUS**  
 13-1  
 5151 PARK AVENUE  
 N/F  
 BRIDGEPORT ROMAN DIOCESAN CORP.  
 238 JEWETT AVENUE  
 BRIDGEPORT, CT 06606  
 AREA = 60.2 AC. ±

PREPARED FOR: CELCO PARTNERSHIP D.B.A.  
**verizon**

**HGD**  
**HUDSON**  
 Design Group LLC  
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**SUBMITTALS**

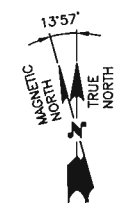
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**PLATTSVILLE  
 RELO CT**

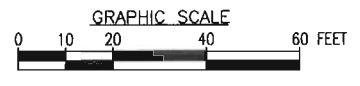
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 5151 PARK AVENUE  
 FAIRFIELD, CT 06825

SHEET TITLE  
**SITE PLAN**

SHEET NUMBER  
**C-2**

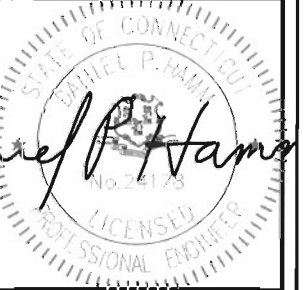


**SITE PLAN**  
 22x34 SCALE: 1"=20'-0"  
 11x17 SCALE: 1"=40'-0"  
 1  
 C-2





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SUBMITTALS

REV.	DATE	DESCRIPTION	BY
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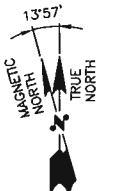
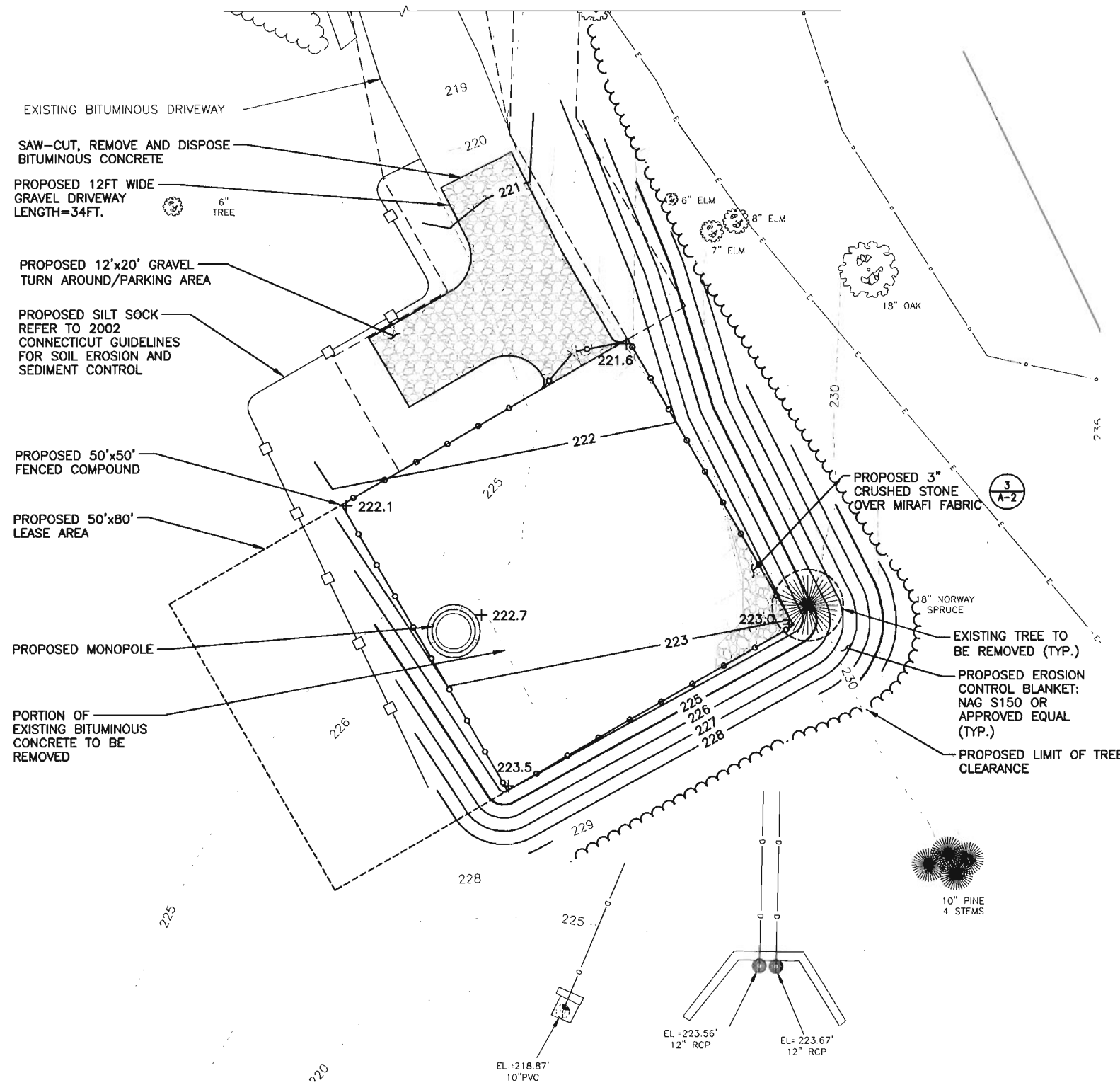
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SHEET NUMBER

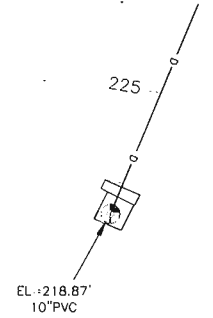
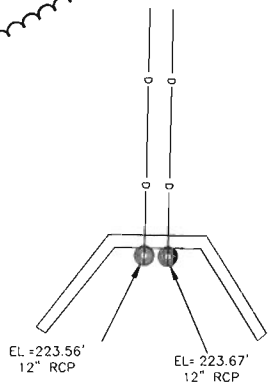
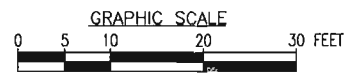
**C-3**

**LEGEND**

- PROPERTY LINE - SUBJECT PARCEL
- ABUTTERS PROPERTY LINE
- EXISTING CONTOUR LINE
- ~~~~~ TREE LINE
- BARBED WIRE FENCE REMAINS
- OHW ----- OVERHEAD WIRE (TRANSMISSION LINE)
- EXISTING CHAIN LINK FENCE
- ▨ EXISTING BUILDING
- EXISTING SILT FENCE
- CB □ EXISTING CATCH BASIN
- EXISTING CONIFEROUS TREE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING DECIDUOUS TREE
- EXISTING STONEWALL
- EXISTING WELL
- EXISTING UTILITY POLE
- 1086 ----- PROPOSED CONTOUR LINE
- PROPOSED CONSTRUCTION SILT SOCK



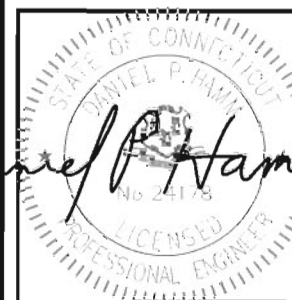
**COMPOUND GRADING PLAN** 1  
 22x34 SCALE: 1"=10'-0"  
 11x17 SCALE: 1"=20'-0"  
 C-3







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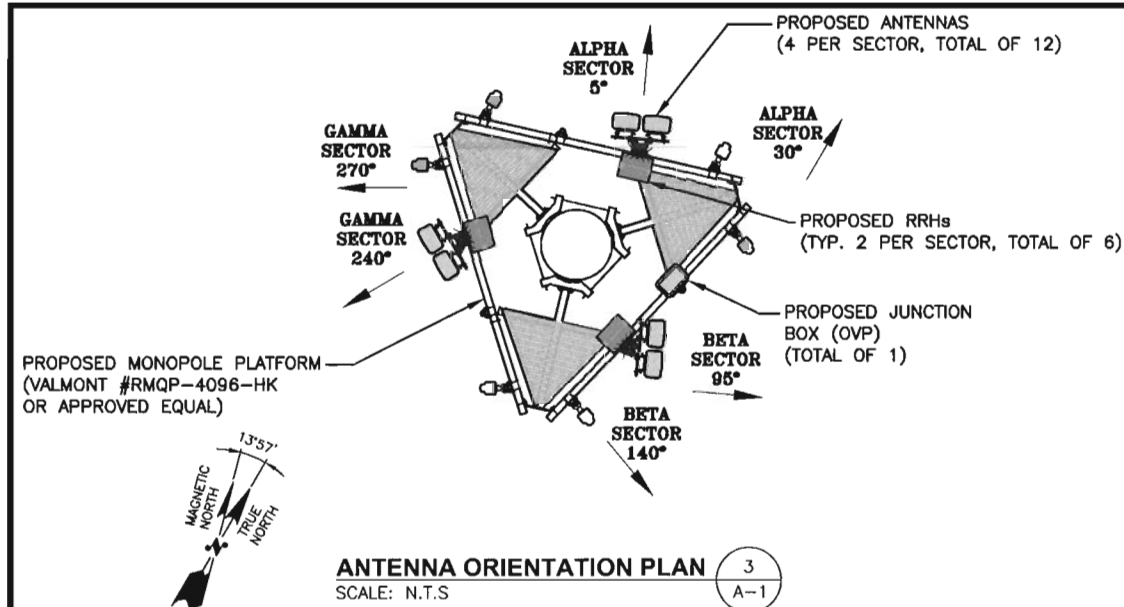
SITE NAME:  
PLATTSVILLE  
RELO CT

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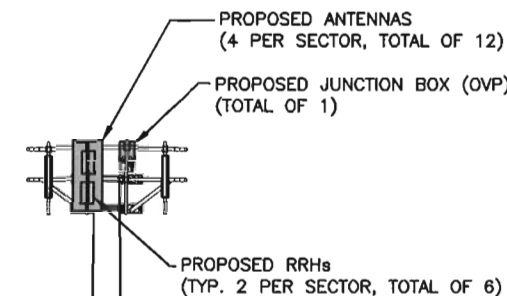
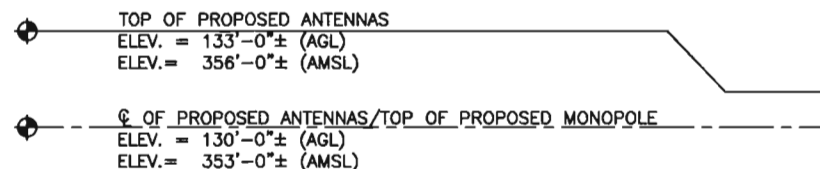
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COMPOUND PLAN  
AND ELEVATION

SHEET NUMBER

A-1



ANTENNA ORIENTATION PLAN 3  
SCALE: N.T.S. A-1

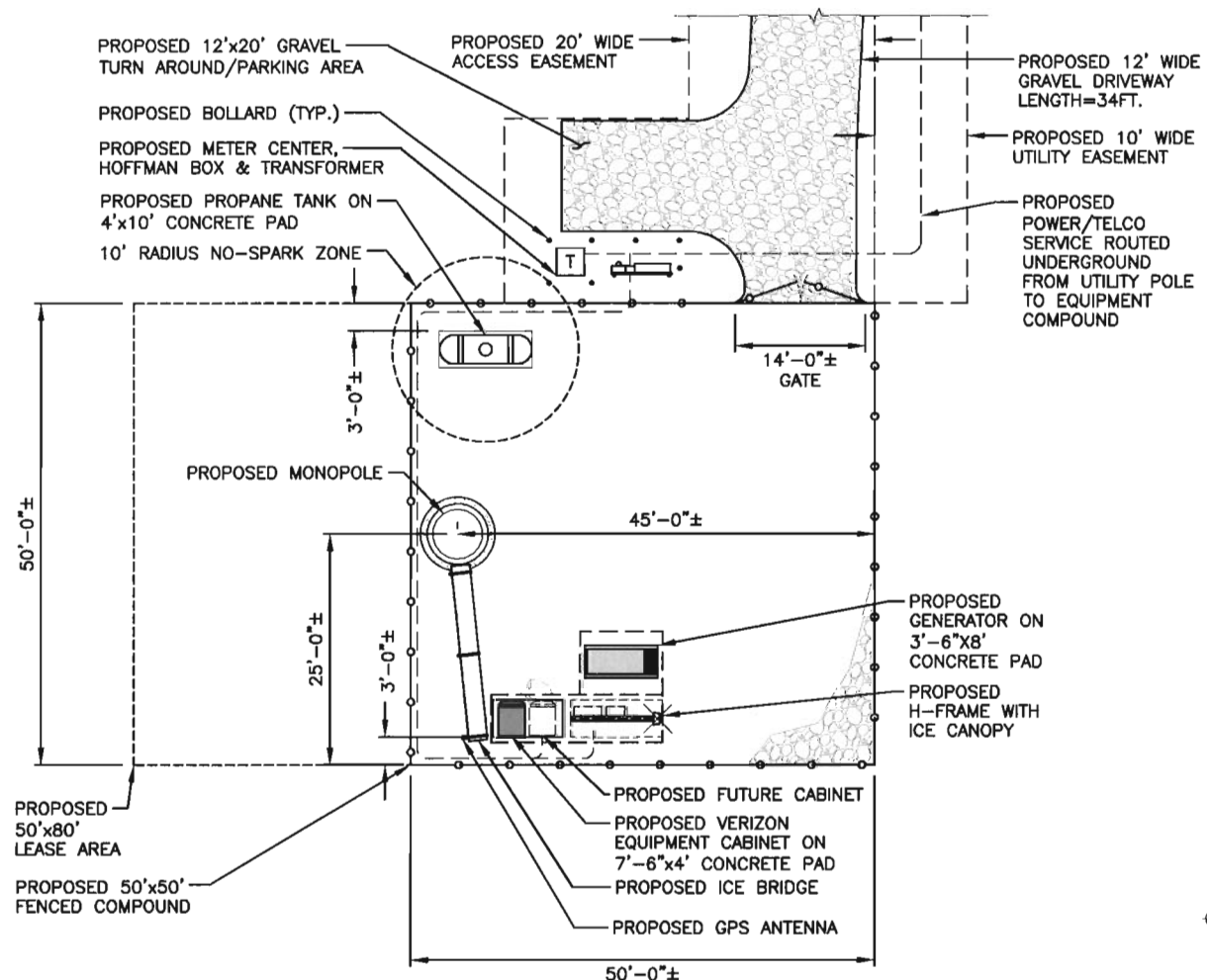


TOWER NOTES:

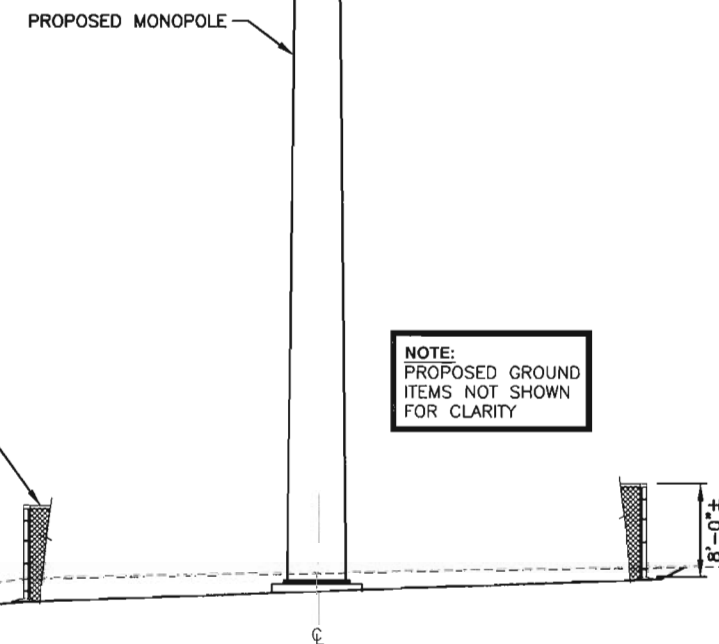
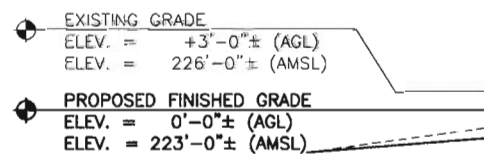
- 1.) TOWER ELEVATION IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL REFER TO TOWER MANUFACTURER DRAWINGS FOR COMPLETE INSTALLATION AND BILL OF MATERIAL INFORMATION.
- 2.) TOWER MINIMUM DESIGN SPECIFICATIONS SHALL BE IN ACCORDANCE WITH ANSI/TIA/EIA 222-G "STRUCTURAL STANDARDS FOR SUPPORTING STRUCTURES AND ANTENNAS, REVISION G" AND GOVERNING FEDERAL, STATE, AND LOCAL CODE REQUIREMENTS
- 3.) TOWER MANUFACTURER SHALL BE RESPONSIBLE FOR DESIGN AND STRUCTURAL COMPONENTS OF THE TOWER.
- 4.) FINAL UTILITY CONNECTIONS SHALL BE COORDINATED WITH THE LOCAL UTILITIES.

NOTE:

1. PROPOSED NEW TOWER AND FOUNDATION DESIGN BY OTHERS
2. VERIFY AZIMUTHS W/ RF ENGINEER.



COMPOUND PLAN 1  
22x34 SCALE: 1"=10'-0"  
11x17 SCALE: 1"=20'-0"  
GRAPHIC SCALE 0 5 10 20 30 FEET A-1



WEST ELEVATION 2  
22x34 SCALE: 1/8"=1'-0"  
11x17 SCALE: 1/16"=1'-0"  
GRAPHIC SCALE 0 4 8 16 24 FEET A-1



*Daniel P. Hamon*

CHECKED BY: JX

APPROVED BY: DPH

SUBMITTALS			
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0	2/11/20	ISSUED FOR REVIEW	SLY

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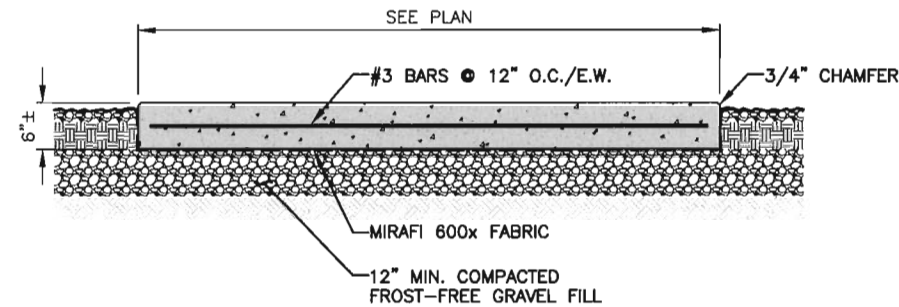
SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE  
**SITE DETAILS**

SHEET NUMBER  
**A-2**

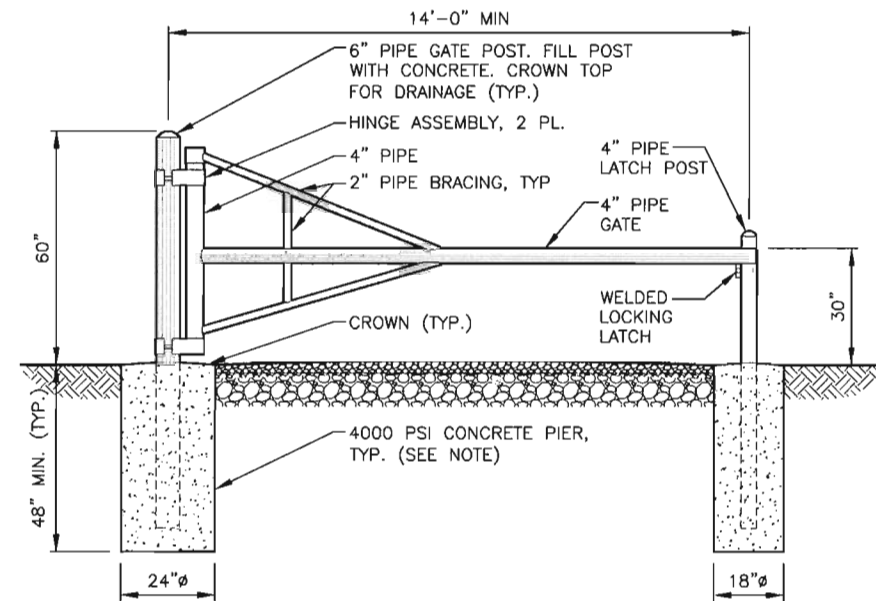
**FOUNDATION NOTES & CONCRETE SPECIFICATIONS:**

- FOUNDATION AREA SHALL BE EXCAVATED TO THE DEPTH AND DIMENSIONS SHOWN ON THE PLANS. EXISTING LEDGE AND ALL OTHER EXISTING UNSUITABLE MATERIAL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE. THE SUBGRADE SHALL BE ROLLED WITH A 1-TON, VIBRATORY, WALK-BEHIND ROLLER AT A SPEED OF LESS THAN 2 FPS, 6 PASSES MINIMUM, TO PROVIDE UNYIELDING SURFACE.
- UNDERCUT SOFT OR "WEAVING" AREAS A MINIMUM OF 12 INCHES DEEP. BACKFILL UNDERCUT AREA WITH FILL MEETING THE SPECIFICATIONS OF STRUCTURAL FILL.
- CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (f'c)=4000 psi. CONCRETE TO BE AIR ENTRAINED, DESIRED AIR CONTENT TO BE 6% (PLUS OR MINUS 2%)
- REINFORCING BAR TO BE ASTM A615 GRADE 60.
- WELDED WIRE FABRIC TO CONFORM TO THE REQUIREMENTS OF ASTM A185. WIRES FOR FABRIC TO CONFORM TO THE REQUIREMENTS OF ASTM A82.
- ALL REINFORCING TO HAVE MINIMUM CONCRETE COVER PER ACI SPECIFICATIONS.
- ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO LATEST EDITION OF ACI 318 AND APPLICABLE STATE BUILDING CODE.



**CONCRETE PAD DETAIL** 1  
22x34 SCALE: N.T.S. A-2

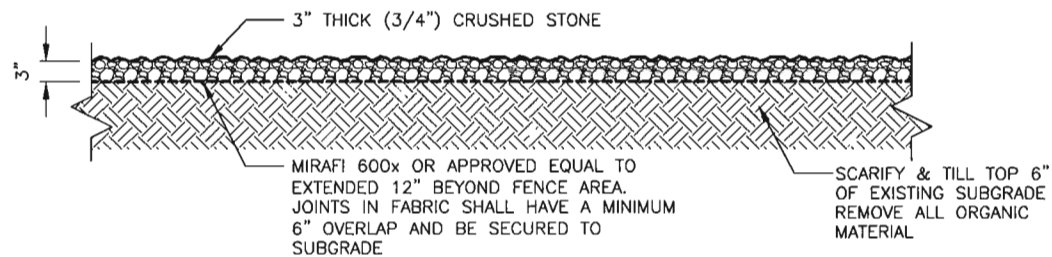
NOTE:  
FOR BURIED LEDGE AT LESS THAN 48" BELOW FINISH GRADE, CORE 12" DIAM. HOLE INTO LEDGE 18" DEEP. FILL AROUND PIPE WITH NON-SHRINK GROUT. USE COAL TAR ON BURIED LENGTH OF PIPE, AND BACKFILL TO FINISH GRADE.



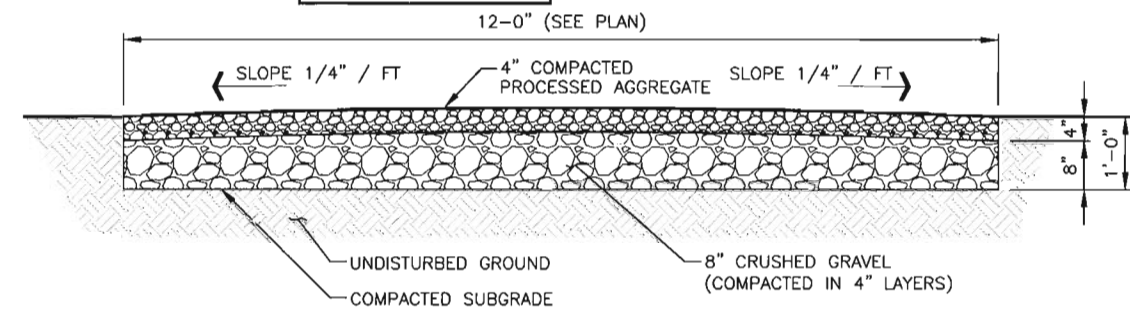
**SWING GATE DETAIL** 2  
SCALE: N.T.S. A-2

CRUSHED GRAVEL	
SIEVE	% PASSING BY WEIGHT
5"	100
3-1/2"	90-100
1-1/2"	55-95
1/4"	25-60
#10	15-45
#40	5-25
#100	0-10
#200	0-5

PROCESSED AGGREGATE	
SIEVE	% PASSING BY WEIGHT
2-1/4"	100
2"	90-100
3/4"	50-75
1/4"	25-45
#40	5-20
#100	2-12



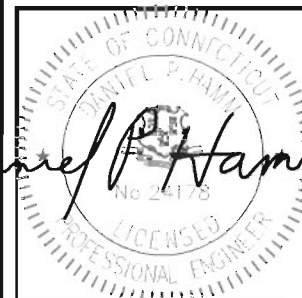
**COMPOUND COVERING DETAIL** 3  
SCALE: N.T.S. A-2



**GRAVEL DRIVE DETAIL** 4  
SCALE: N.T.S. A-2



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
N. ANDOVER, MA 01845 FAX: (978) 336-5586



*Daniel P. Hamon*

CHECKED BY: JX

APPROVED BY: DPH

**SUBMITTALS**

REV.	DATE	DESCRIPTION	BY
1	9/22/20	REVISED PER COMMENTS	SLY
0	2/11/20	ISSUED FOR REVIEW	SLY

SITE NAME:

**PLATTSVILLE  
RELO CT**

SITE ADDRESS:

5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE

**EROSION  
CONTROL NOTES  
AND DETAILS**

SHEET NUMBER

**A-3**

**EROSION CONTROL MEASURES:**

- 1) DISTURBED AREAS SHALL BE KEPT TO THE MINIMUM AREA NECESSARY TO CONSTRUCT THE ROADWAYS AND ASSOCIATED DRAINAGE FACILITIES.
- 2) HAY BALE BARRIERS AND SEDIMENT TRAPS SHALL BE INSTALLED AS REQUIRED. BARRIERS AND TRAPS ARE TO BE MAINTAINED AND CLEANED UNTIL ALL SLOPES HAVE A HEALTHY STAND OF GRASS.
- 3) BALED HAY AND MULCH SHALL BE MOWINGS OF ACCEPTABLE HERBACEOUS GROWTH, FREE FROM NOXIOUS WEEDS OR WOODY STEMS, AND SHALL BE DRY. NO SALT HAY SHALL BE USED.
- 4) FILL MATERIAL SHALL BE FREE FROM STUMPS, WOOD, ROOTS, ETC.
- 5) STOCKPILED MATERIALS SHALL BE PLACED IN AREAS SHOWN ON THE PLANS. STOCKPILES SHALL BE PROTECTED BY SILTATION FENCE AND SEEDED TO PREVENT EROSION. THESE MEASURES SHALL REMAIN UNTIL ALL MATERIAL HAS BEEN PLACED OR DISPOSED OFF SITE.
- 6) ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED. A MINIMUM OF 4 INCHES OF LOAM SHALL BE INSTALLED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA.
- 7) APPLICATION OF GRASS SEED, FERTILIZERS AND MULCH SHALL BE ACCOMPLISHED BY BROADCAST SEEDING OR HYDROSEEDING AT THE RATES OUTLINED BELOW:

**LIMESTONE:** 75-100 LBS./1,000 SQUARE FEET.  
**FERTILIZER:** RATE RECOMMENDED BY MANUFACTURER.  
**MULCH:** HAY MULCH APPROXIMATELY 3 TONS/ACRE UNLESS EROSION CONTROL MATTING IS USED.

SEED MIX (SLOPES LESS THAN 4:1)	LBS./ACRE
CREeping RED FESCUE	20
TALL FESCUE	20
REDTOP	2
	42
SLOPE MIX (SLOPES GREATER THAN 4:1)	LBS./ACRE
CREeping RED FESCUE	20
TALL FESCUE	20
BIRDSFOOT TREEFOIL	8
	48

**TREATMENT SWALE PLANTING SPECIFICATIONS**

TALL FESCUE	20 LBS/ACRE	OR	0.45 LBS/10,000 SF
CREeping RED FESCUE	20 LBS/ACRE	OR	0.45 LBS/10,000 SF
BIRDSFOOT TREEFOIL	8 LBS/ACRE	OR	0.20 LBS/10,000 SF

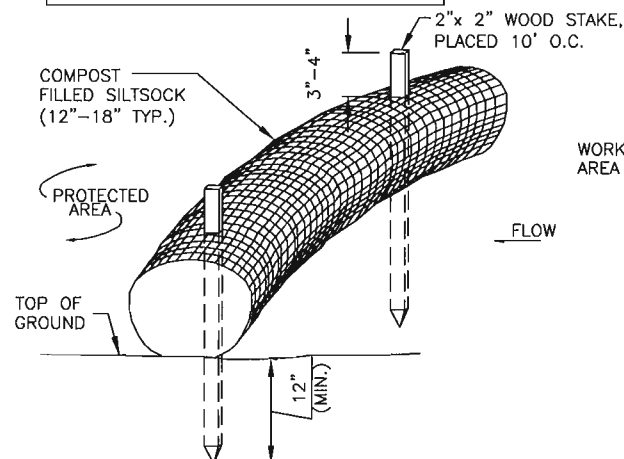
LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT TIME OF SEEDING AND INCORPORATED INTO THE SOIL. THE FOLLOWING RATES ARE RECOMMENDED:

AGRICULTURAL LIMESTONE	2 TONS/ACRE	OR	100 LBS/1,000 SF
NITROGEN (N)	50 LBS/ACRE	OR	1.1 LBS/10,000 SF
PHOSPHATE (P205)	100 LBS/ACRE	OR	2.2 LBS/10,000 SF
POTASH (K20)	100 LBS/ACRE	OR	2.2 LBS/10,000 SF

(THIS IS EQUIVALENT TO 500 LBS/ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS/ACRE OF 5-10-10).

- 8) AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED.
- 9) PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- 10) ALL CATCH BASIN INLETS WILL BE PROTECTED WITH LOW POINT SEDIMENTATION BARRIER.
- 11) ALL STORM DRAINAGE OUTLETS WILL BE STABILIZE AND CLEANED AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
- 12) ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA.
- 13) NO DISCHARGE SHALL BE DIRECTED TOWARDS ANY PROPOSED DITCHES, SWALES, OR PONDS UNTIL THEY HAVE BEEN PROPERLY STABILIZED.

REFER TO 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL



1. SILT SOCK SHALL BE FILTREXX SILT SOCK, OR APPROVED EQUAL.
2. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
4. SEE SPECIFICATIONS FOR SOCK SIZE, AND COMPOST FILL, REQUIREMENTS.

**SILT SOCK DETAIL**

SCALE: N.T.S.

2  
A-3

**GENERAL CONSTRUCTION SEQUENCE:**

THIS IS A GENERAL CONSTRUCTION SEQUENCE OUTLINE SOME ITEMS OF WHICH MAY NOT APPLY TO PARTICULAR SITES.

- 1) CLEAR AND GRUB AREAS OF PROPOSED CONSTRUCTION.
- 2) INSTALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AS REQUIRED.
- 3) REMOVE AND STOCKPILE TOPSOIL. STOCKPILE SHALL BE SEEDED TO PREVENT EROSION.
- 4) CONSTRUCT CLOSED DRAINAGE SYSTEM. PROTECT CULVERT INLETS AND CATCH BASINS WITH SEDIMENTATION BARRIERS.
- 5) CONSTRUCT ROADWAYS AND PERFORM SITE GRADING, PLACING HAY BALES AND SILTATION FENCES AS REQUIRED TO CONTROL SOIL EROSION.
- 6) INSTALL UNDERGROUND UTILITIES.
- 7) BEGIN TEMPORARY AND PERMANENT SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED OR MULCHED IMMEDIATELY AFTER THEIR CONSTRUCTION. NO AREA SHALL BE LEFT UNSTABILIZED FOR A TIME PERIOD OF MORE THAN 30 DAYS.
- 8) DAILY, OR AS REQUIRED, CONSTRUCT, INSPECT, AND IF NECESSARY, RECONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES AND SEDIMENT TRAPS INCLUDING MULCHING AND SEEDING.
- 9) BEGIN EXCAVATION FOR AND CONSTRUCTION OF TOWERS AND PLATFORMS.
- 10) FINISH PAVING ALL ROADWAYS, DRIVES, AND PARKING AREAS.
- 11) COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- 12) NO STORM WATER FLOW SHALL BE DIVERTED TO ANY WETLANDS UNTIL A HEALTHY STAND OF GRASS HAS BEEN ESTABLISHED IN REGRADED AREAS.
- 13) AFTER GRASS HAS BEEN FULLY GERMINATED IN ALL SEEDED AREAS, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

**SEQUENCE OF CONSTRUCTION**

1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECPS), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECPS IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECPS EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECPS WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL AND FOLD THE REMAINING 12" PORTION OF RECPS BACK OVER THE SEED AND COMPACTED SOIL. SECURE RECPS OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE RECPS.
3. ROLL THE RECPS DOWN HORIZONTALLY ACROSS THE SLOPE. RECPS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECPS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
4. THE EDGES OF PARALLEL RECPS MUST BE STAPLED WITH APPROXIMATELY 2" - 5" OVERLAP DEPENDING ON THE RECPS TYPE.
5. CONSECUTIVE RECPS SPICED DOWN THE SLOPE MUST BE END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECPS WIDTH.

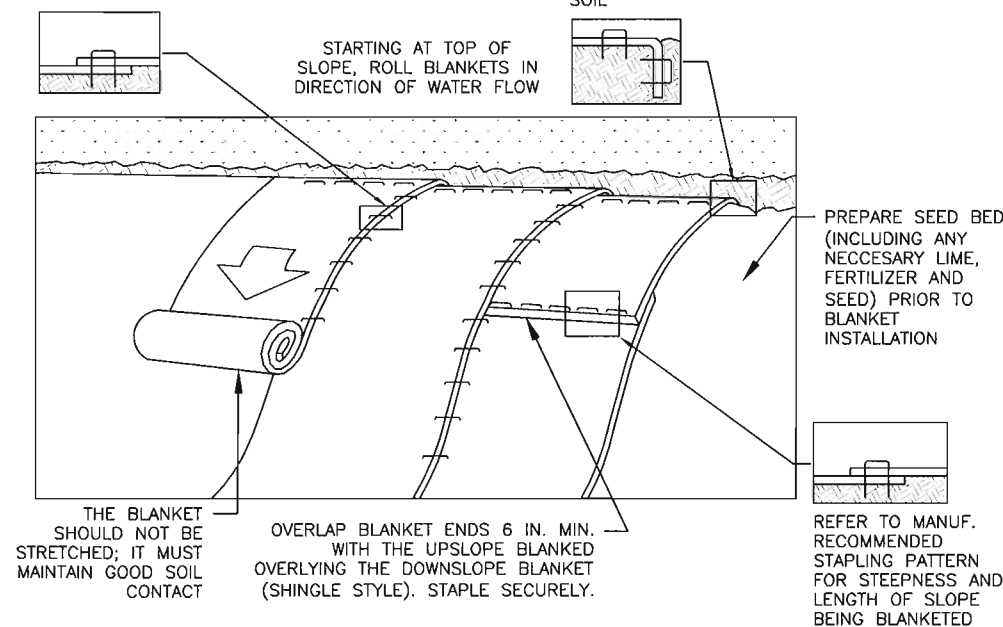
**NOTES:**

1. PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
3. BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
4. THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
5. BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

BLANKET EDGES STAPLED AND OVERLAPPED (4 IN. MIN.)

INSTALL BEGINNING OF ROLL IN 6 IN. x 6 IN. ANCHOR TRENCH, STAPLE, BACKFILL AND COMPACT SOIL

STARTING AT TOP OF SLOPE, ROLL BLANKETS IN DIRECTION OF WATER FLOW



**EROSION CONTROL BLANKET STEEP SLOPES**

SCALE: N.T.S.

1  
A-3