

KENNETH C. BALDWIN

280 Trumbull Street  
Hartford, CT 06103-3597  
Main (860) 275-8200  
Fax (860) 275-8299  
kbaldwin@rc.com  
Direct (860) 275-8345

Also admitted in Massachusetts  
and New York

December 29, 2021

*Via Electronic Mail*

Melanie A. Bachman, Esq.  
Executive Director/Staff Attorney  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

Re: **Petition No. 1470 – Petition for a Declaratory Ruling on the Need to Obtain a Siting Council Certificate for the Installation of a Temporary Telecommunications Facility at Sacred Heart University, 5151 Park Avenue, Fairfield, Connecticut**

Dear Attorney Bachman:

As you are aware, the Council approved Petition No. 1470 on December 16, 2021, subject to conditions including, but not limited to, the delegation of “any project changes” to Council staff. Since the Council’s approval, the Petitioner has determined the need to make two project changes which are as follows.

1. Cellco has decided use existing Utility Pole No. 5591 near the Sacred Heart University (“SHU”) maintenance facility for the temporary installation of telco (fiber) service to the approved temporary tower site on the SHU Main Campus. The use of this existing pole will eliminate the need to install a new utility pole within the Jefferson Street right-of-way which would require additional regulatory approvals.

2. Due to development restrictions in place on the wooded parcel to the west of the approved temporary tower site, Cellco’s engineers have had to redesign the retaining wall included on the project plans. The tallest portion of the retaining wall shown on the approved plan was five feet above grade at the northern end of the wall. (*See Cellco’s Response to Council Interrogatory No. 4*). Upon further review of existing site grades, it was determined that

Melanie A. Bachman, Esq.  
December 29, 2021  
Page 2

a retaining wall, as originally approved, would have required additional site grading to extend onto the adjacent wooded parcel to the west. To eliminate this grading onto the adjacent wooded parcel, which is prohibited by the existing development restrictions, the height of the northerly corner of the retaining wall will need to increase to ten feet above grade. The wall will taper down from ten feet to one-foot above grade near the temporary tower site and two feet above grade at the southern end of the wall.

Attached to this letter is a revised set of construction drawings for the temporary facility showing the two project changes described above. If you have any questions or need any additional information about these changes, please contact me.

Thank you in advance for your cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kenneth C. Baldwin

KCB/kmd  
Enclosure  
Copy to:

Anthony R. Befera  
Brian Ross  
Michael Humphreys

CELLCO PARTNERSHIP

d.b.a. **verizon** ✓

WIRELESS COMMUNICATIONS FACILITY

# PLATTSVILLE RELO CT

5151 PARK AVENUE  
FAIRFIELD, CT 06825

FOR CONSTRUCTION

PREPARED FOR: CELLCO PARTNERSHIP D.B.A.

**verizon** ✓

**H D G**  
HUDSON  
Design Group LLC

45 BEECHWOOD DRIVE TEL: (978) 557-5553  
11 ANDOVER, MA 01845 FAX: (978) 336-6386



CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORDS STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN

CHECKED BY:

APPROVED BY:

**SUBMITTALS**

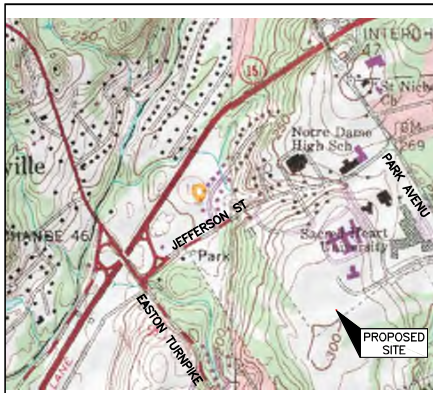
REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TO LO EXHIBIT FROM	SLJ
1	11/29/21	ADD ALL ACCESS, REV RET. WALL TYPE	SLJ
0	11/19/21	ISSUED FOR CONSTRUCTION	SLJ

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 CT-15 S FROM ALEXANDER DR, CT-68 W AND US-5 N/N COLONY RD  
HEAD SOUTH TOWARD ALEXANDER DR  
SLIGHT RIGHT TOWARD ALEXANDER DR  
TURN RIGHT TOWARD ALEXANDER DR  
TURN RIGHT ONTO ALEXANDER DR  
TURN RIGHT ONTO BARNES INDUSTRIAL PARK RD  
TURN LEFT AT THE 1ST CROSS STREET ONTO CT-68 W  
TURN RIGHT ONTO US-5 N/N COLONY RD  
TURN LEFT TO MERGE ONTO CT-15 S TOWARD NEW HAVEN  
FOLLOW CT-15 S TO PARK AVE IN TRUMBULL. TAKE EXIT 47 FROM CT-15 S. 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 2ND EXIT ONTO PARK AVE. CONTINUE STRAIGHT TO STAY ON PARK AVE. TURN RIGHT. DESTINATION WILL BE ON THE RIGHT

CONSULTANT TEAM	
<b>PROJECT ENGINEER</b>	HUDSON DESIGN GROUP, LLC 45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845 TEL: 1-(978)-557-5553 FAX: 1-(978)-336-5586
<b>MEP ENGINEER</b>	HUDSON DESIGN GROUP, LLC 45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845 TEL: 1-(978)-557-5553 FAX: 1-(978)-336-5586
<b>SURVEYOR</b>	NORTHEAST SURVEY CONSULTANTS 116 PLEASANT ST. SUITE 302 EASTHAMPTON, MA 01027 TEL: 1-(413)-203-5144

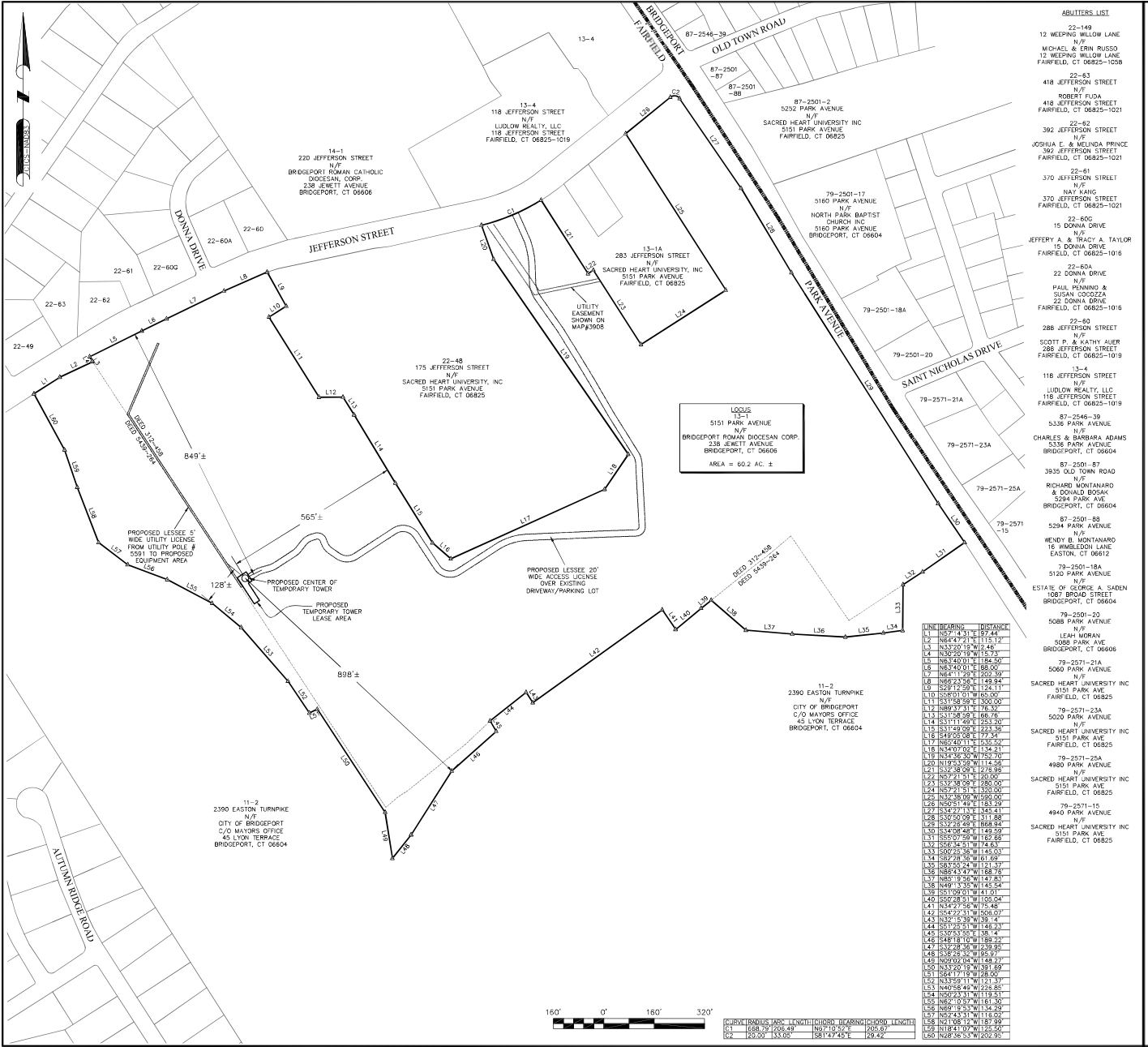
PROJECT SUMMARY	
<b>SITE NAME:</b>	PLATTSVILLE RELO CT
<b>SITE ADDRESS:</b>	5151 PARK AVENUE FAIRFIELD, CT 06825
<b>PROPERTY OWNER:</b>	BRIDGEPORT ROMAN CATHOLIC DIOCESAN CORP. 238 LEWETT AVENUE BRIDGEPORT, CT 06606
<b>APPLICANT:</b>	CELLCO PARTNERSHIP d/b/a VERIZON 20 ALEXANDER DRIVE WALLINGFORD, CT 06108
<b>SITE ACQUISITION CONTACT:</b>	BRIAN ROSS STRUCTURE CONSULTING GROUP 20 ALEXANDER DRIVE WALLINGFORD, CT 06492
<b>LEGAL/REGULATORY COUNSEL:</b>	KENNETH C. BALDWIN ESQ. ROBINSON + COLE LLP (860)275-8345
<b>LATITUDE:</b>	N41°13'08.19"
<b>LONGITUDE:</b>	W73°14'41.12"

SHEET INDEX	
SHEET NO.	DESCRIPTION
T-1	TITLE SHEET
GN-1	GENERAL NOTES
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C-2	EXISTING CONDITIONS
C-3	SITE PLAN
C-4	COMPOUND GRADING PLAN
A-1	COMPOUND PLAN
A-2	ELEVATION
A-3	EQUIPMENT PLAN AND DETAILS
A-4	ANTENNA PLAN AND DETAILS
A-5	CABLE SUPPORT DETAILS
A-6	FENCE DETAILS
A-7	COMPOUND SURFACE COVER & CONCRETE PAD DETAILS
A-8	RETAINING WALL DETAILS
A-9	EROSION CONTROL DETAILS
SN-1	STRUCTURAL NOTES & SPECIAL INSPECTIONS
S-1	ICE CANOPY DETAILS
E-1	ELECTRICAL NOTES & WIRING DIAGRAM
E-2	ELECTRICAL ONE-LINE AND GROUNDING DIAGRAM
E-3	GROUNDING PLAN
E-4	GROUNDING DETAILS
RF-1	RF PLUMBING DIAGRAM & BILL OF MATERIAL



**NOTE TO GENERAL CONTRACTOR:**  
"RF" DESIGN AND EQUIPMENT IS BASED UPON  
**RFDS ISSUED BY VZW DATED: 11/17/2021**  
THE CONTRACTOR OF RECORD SHALL CONTACT VZW PRIOR TO ANY AND ALL ORDERING/PURCHASING/INSTALLATION OF EQUIPMENT TO VERIFY THAT THE "RF" LISTED IN THE DRAWING SET IS CURRENT AND UP TO DATE.

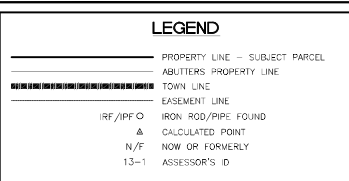




LOOSE  
13-1  
5151 PARK AVENUE  
N/P  
BRIDGEPORT ROMAN DIOCESAN CORP.  
238 JEWETT AVENUE  
BRIDGEPORT, CT 06606  
AREA = 60.2 AC. ±

LINE	BEARING	DISTANCE
L1	N57°14'51"E	97.43
L2	N44°29'16"E	133.72
L3	N33°20'19"W	72.48
L4	N29°09'18"W	57.24
L5	N83°40'01"E	184.50
L6	N84°01'01"E	168.00
L7	N81°45'01"E	202.09
L8	N88°24'58"E	149.34
L9	N51°28'54"E	124.11
L10	S38°01'01"W	165.00
L11	S31°52'28"E	100.00
L12	S89°37'21"W	176.30
L13	S31°52'28"E	168.76
L14	S33°11'49"E	253.30
L15	S34°09'04"E	224.99
L16	S49°03'08"E	177.30
L17	N68°01'01"E	130.00
L18	N34°07'02"E	134.21
L19	N38°09'03"W	120.00
L20	N19°33'09"W	114.29
L21	S15°58'04"E	174.99
L22	N27°15'11"W	125.00
L23	N29°09'18"W	100.00
L24	N29°09'18"W	100.00
L25	N29°09'18"W	100.00
L26	N20°51'43"E	183.29
L27	N30°20'09"E	111.88
L28	S30°20'09"E	111.88
L29	S32°28'49"E	168.94
L30	S31°52'28"E	149.00
L31	S55°07'59"W	112.68
L32	N88°45'11"E	114.87
L33	S00°24'36"W	145.03
L34	S02°48'30"W	161.62
L35	S88°34'24"W	121.37
L36	S15°58'04"E	174.99
L37	N88°39'56"W	147.83
L38	N81°39'56"W	145.24
L39	S33°09'01"W	141.01
L40	S33°09'01"W	141.01
L41	N34°27'56"W	75.40
L42	N34°27'56"W	75.40
L43	N39°15'39"W	79.14
L44	N39°15'39"W	79.14
L45	S30°53'53"W	108.14
L46	S30°53'53"W	108.14
L47	S32°28'49"E	168.94
L48	S31°52'28"E	149.00
L49	S30°24'36"W	145.03
L50	N33°20'19"W	81.69
L51	S44°17'43"E	114.87
L52	N33°20'19"W	81.69
L53	N40°54'44"W	224.85
L54	N20°23'31"W	119.51
L55	N24°15'01"W	161.00
L56	N89°19'55"W	34.29
L57	N21°08'17"W	187.99
L58	N21°08'17"W	187.99
L59	N21°08'17"W	187.99
L60	N28°36'53"W	202.95

- ABUTTERS LIST**
- 22-149  
12 WEEPING WILLOW LANE  
N/P  
MICHAEL & ERIN RUSSO  
12 WEEPING WILLOW LANE  
FAIRFIELD, CT 06825-1028
  - 22-83  
418 JEFFERSON STREET  
N/P  
ROBERT FUDA  
418 JEFFERSON STREET  
FAIRFIELD, CT 06825-1021
  - 22-82  
392 JEFFERSON STREET  
N/P  
JOSHUA E. & MELINDA PRINCE  
392 JEFFERSON STREET  
FAIRFIELD, CT 06825-1021
  - 22-61  
370 JEFFERSON STREET  
N/P  
NAY KANG  
370 JEFFERSON STREET  
FAIRFIELD, CT 06825-1021
  - 22-600  
15 DONNA DRIVE  
N/P  
JEFFERY A. & RANDY A. TAYLOR  
15 DONNA DRIVE  
FAIRFIELD, CT 06825-1016
  - 22-60  
22 DONNA DRIVE  
N/P  
PAUL KENNEDY & SUSAN COZZOZZA  
22 DONNA DRIVE  
FAIRFIELD, CT 06825-1016
  - 79-250  
288 JEFFERSON STREET  
N/P  
SCOTT P. & KATHY AUER  
288 JEFFERSON STREET  
FAIRFIELD, CT 06825-1019
  - 118 JEFFERSON STREET  
N/P  
LUDLOW REALTY, LLC  
118 JEFFERSON STREET  
FAIRFIELD, CT 06825-1019
  - 87-2546-39  
5336 PARK AVENUE  
N/P  
CHARLES & BARBARA ADAMS  
5336 PARK AVENUE  
BRIDGEPORT, CT 06604
  - 87-2501-87  
3935 OLD TOWN ROAD  
N/P  
RICHARD MONTANARO & DONALD BOSKAL  
5294 PARK AVENUE  
BRIDGEPORT, CT 06604
  - 87-2501-88  
5294 PARK AVENUE  
N/P  
WENDY B. MONTANARO  
19 WIMBLEDON LANE  
EASTON, CT 06812
  - 79-2501-18A  
N/P  
ESTATE OF GEORGE A. SARDEN  
1067 BROAD STREET  
BRIDGEPORT, CT 06604
  - 79-2501-22  
5088 PARK AVENUE  
N/P  
LEAH MORAN  
5088 PARK AVE  
BRIDGEPORT, CT 06606
  - 79-2571-21A  
5060 PARK AVENUE  
N/P  
SACRED HEART UNIVERSITY INC  
5151 PARK AVE  
FAIRFIELD, CT 06825
  - 79-2571-25A  
4980 PARK AVENUE  
N/P  
SACRED HEART UNIVERSITY INC  
5151 PARK AVE  
FAIRFIELD, CT 06825
  - 79-2571-15  
4940 PARK AVENUE  
N/P  
SACRED HEART UNIVERSITY INC  
5151 PARK AVE  
FAIRFIELD, CT 06825



- SITE SPECIFIC NOTES:**
- FIELD SURVEY DATE: NOV. 2018, JAN. 2019, FEB. 2020, SEP. 2021, OCT. 2021
  - HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)
  - VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88)
  - OWNER: BRIDGEPORT ROMAN DIOCESAN CORP.  
238 JEWETT AVENUE  
BRIDGEPORT, CT 06606
  - SITE NAME: PLATTSVILLE RELO CT
  - SITE ADDRESS: 5151 PARK AVENUE  
FAIRFIELD, CT 06825
  - APPLICANT: VERIZON D/B/A CELCO PARTNERSHIP
  - TAX ID: MAP-13 LOT-1
  - DEED REFERENCE: BOOK 312, PAGE 458  
BOOK 5439, PAGE 264
  - PLAN REFERENCE: 1. "PROPERTY TRANSFER MAP OF A PORTION OF FAIRFIELD WHEELER GOLF COURSE" 2300 EASTON TURNPIKE, FAIRFIELD, CT PREPARED FOR SACRED HEART UNIVERSITY, INC. SCALE: 1"=100' DATE: MAY 18, 2016  
2. PLAN 6328
  - ZONING DISTRICT: R3 (RESIDENTIAL)
  - THE HORIZONTAL DATUM AND VERTICAL DATUM WERE DERIVED FROM A DUAL FREQUENCY GPS SURVEY.
  - ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREON WAS DETERMINED FROM SURFACE EVIDENCE AND PLANS OF RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF ALL SITE WORK. CALL DIALSAFE 1-800-322-4844 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
  - ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE PROPOSED IMPROVEMENTS ON THIS PROPERTY ARE LOCATED IN AN AREA DESIGNATED AS ZONE X (UNSHADED), AREA OF MINIMAL FLOOD HAZARD. MAP NO. 09001C026F EFFECTIVE DATE: 6/18/2016
  - FIELD SURVEY BY EDM TICAL STATION.

THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON SEPTEMBER 26, 1997.

TYPE OF SURVEY: IMPROVEMENT LOCATION SURVEY  
BOUNDARY SURVEY CATEGORY: DEPENDENT RESURVEY  
CLASS OF ACCURACY: HORIZONTAL CLASS D  
VERTICAL CLASS V-2  
TOPOGRAPHIC CLASS 2  
PURPOSE OF SURVEY: PROPOSED CELLULAR UTILITIES

1. THIS MAP WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES. IT IS NOT TO BE CONSIDERED AS A PROPERTY/BOUNDARY OR LIMITED PROPERTY/BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE.

2. THIS DOCUMENT AND COPIES THEREOF ARE VALID ONLY IF THEY BEAR THE LIVE SIGNATURE AND EMBOSSED SEAL OF THE DESIGNATED PROFESSIONAL UNAUTHORIZED ALIENATIONS RENDER ANY DECLARATION NULL AND VOID.

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

*Charles G. Goman*  
CHARLES G. GOMAN, P.L.S. #71003

PREPARED FOR: CELCO PARTNERSHIP D.B.A.

**verizon**

**HG HUDSON Design Group LLC**  
45 BEECHWOOD DRIVE TEL: (978) 537-5553  
14 ANDOVER, MA 01865 FAX: (978) 234-0384

**NORTHEAST SURVEY CONSULTANTS**  
3 Ferry Street  
Suite 1 East  
Eastampton, MA 01027  
(413) 203-5144  
east@nehsurvey.com

CHECKED BY: BCF  
APPROVED BY: CCS

**SUBMITTALS**

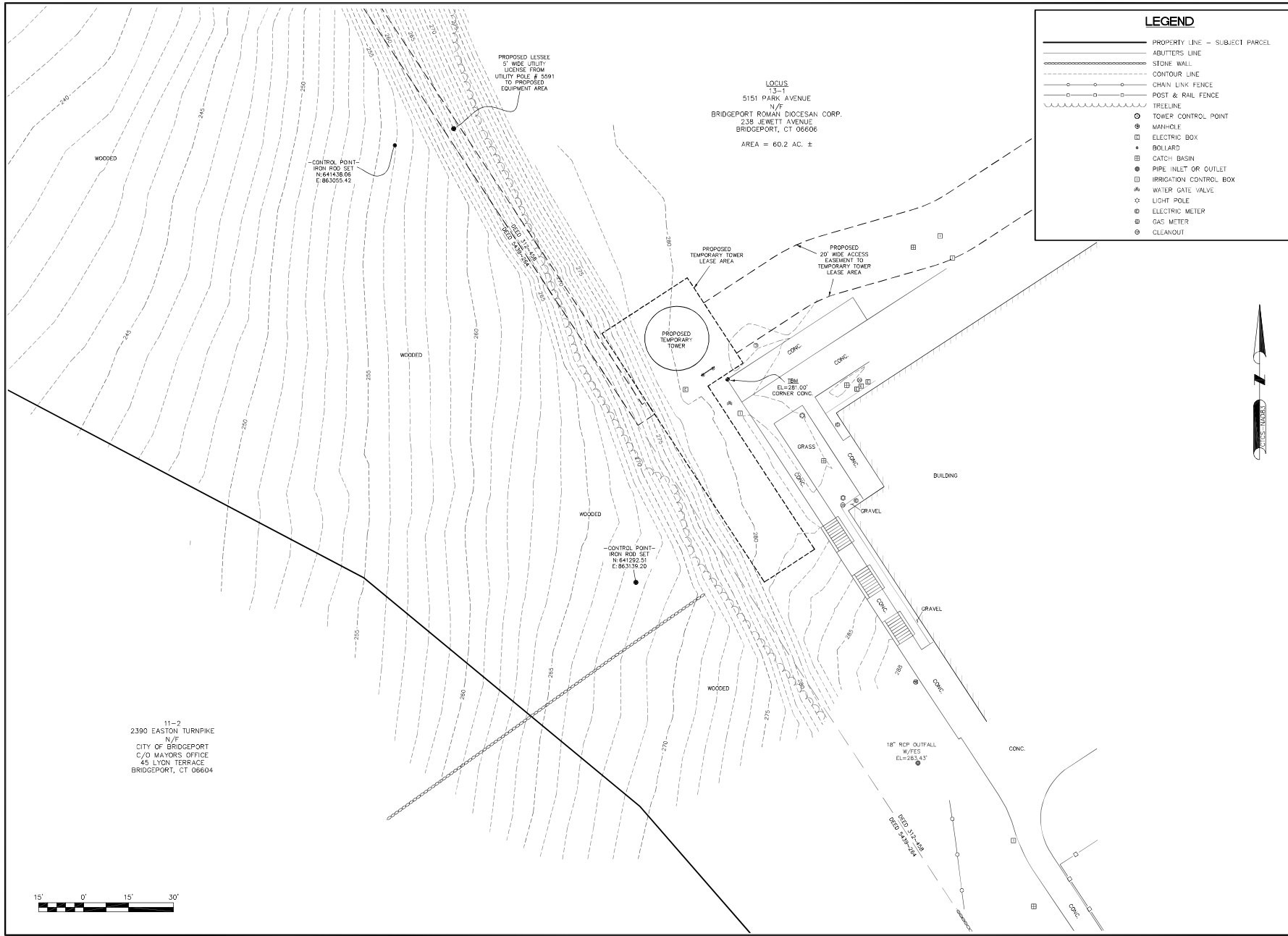
REV.	DATE	DESCRIPTION	BY
1	12/15/2021	CONNECT IBM TELEVISION	JCC
2	11/19/2022	ISSUED FOR REVIEW	JCC

SITE NAME:  
**PLATTSVILLE RELO CT**

SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE:  
**ABUTTERS PLAN**

SHEET NUMBER:  
**C-1**



**LEGEND**

- PROPERTY LINE - SUBJECT PARCEL
- - - - - ADJUTERS LINE
- STONE WALL
- CONTOUR LINE
- CHAIN LINK FENCE
- POST & RAIL FENCE
- ~~~~~ TREELINE
- TOWER CONTROL POINT
- ⊙ MAN-HOLE
- ⊠ ELECTRIC BOX
- ⊕ BOLLARD
- ⊞ CATCH BASIN
- ⊙ PIPE INLET OR OUTLET
- ⊠ IRRIGATION CONTROL BOX
- ⊕ WATER GATE VALVE
- ⊙ LIGHT POLE
- ⊠ ELECTRIC METER
- ⊙ GAS METER
- ⊙ CLEANOUT

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

PROPOSED LESSEE  
 5' WIDE UTILITY  
 LICENSE FROM  
 UTILITY PALE # 8591  
 TO PROPOSED  
 EQUIPMENT AREA

CONTROL POINT  
 IRON ROD SET  
 N:841438.06  
 E:863055.42

CONTROL POINT  
 IRON ROD SET  
 N:841922.51  
 E:863136.20

11-2  
 2390 EASTON TURNPIKE  
 N/F  
 CITY OF BRIDGEPIKE  
 C/O MAYORS OFFICE  
 45 LYON TERRACE  
 BRIDGEPORT, CT 06604

PREPARED FOR: CELCO PARTNERSHIP D.B.A.

45 BEECHWOOD DRIVE TEL: (978) 557-5553  
 N. ANDOVER, MA 01861 FAX: (978) 238-0384

NORTHEAST SURVEY CONSULTANTS

3 Ferry Street  
 Studio 1 East  
 Easthampton, MA 01027  
 (413) 203-5144  
 east@nehsurvey.com



CHECKED BY: BCF  
 APPROVED BY: CCG

SUBMITTALS

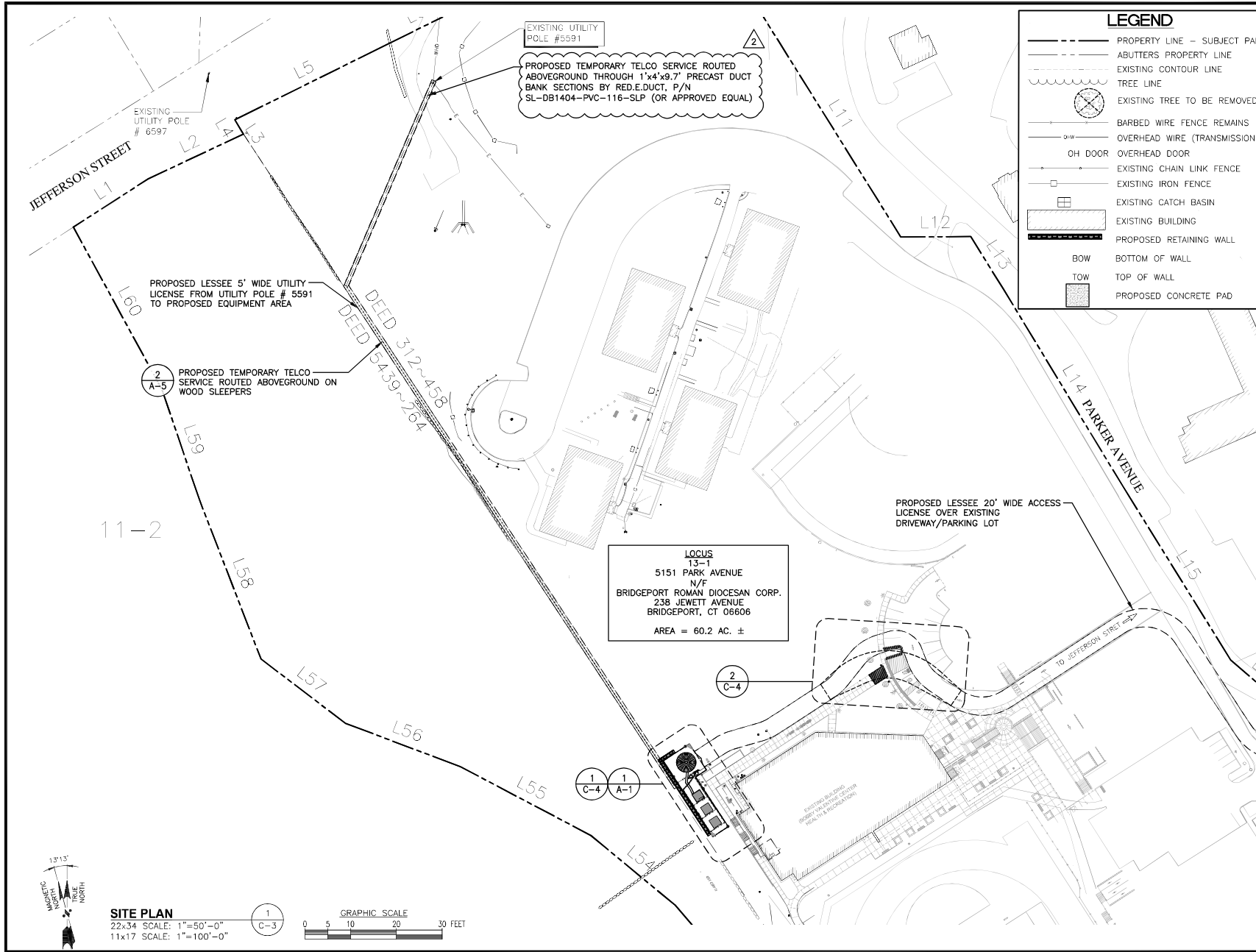
REV.	DATE	DESCRIPTION	BY
1	12/16/2021	CORRECT TM ELEVATION	JOC
2	11/19/2022	ISSUED FOR REVIEW	JOC

SITE NAME:  
 PLATTSVILLE RELO CT

SITE ADDRESS:  
 5151 PARK AVENUE  
 FAIRFIELD, CT 06825

SHEET TITLE  
 EXISTING CONDITIONS  
 PLAN

SHEET NUMBER  
**C-2**



**LEGEND**

- PROPERTY LINE - SUBJECT PARCEL
- - - ABUTTERS PROPERTY LINE
- - - EXISTING CONTOUR LINE
- ~~~~~ TREE LINE
- ⊗ EXISTING TREE TO BE REMOVED
- |— BARBED WIRE FENCE REMAINS
- |— OVERHEAD WIRE (TRANSMISSION LINE)
- |— OH DOOR
- |— OVERHEAD DOOR
- |— EXISTING CHAIN LINK FENCE
- |— EXISTING IRON FENCE
- |— EXISTING CATCH BASIN
- ▭ EXISTING BUILDING
- ▭ PROPOSED RETAINING WALL
- |— BOW BOTTOM OF WALL
- |— TOW TOP OF WALL
- ▭ PROPOSED CONCRETE PAD

**FOR CONSTRUCTION**

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
14 HOOVER, MA 01045 FAX: (978) 254-3364



CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORD'S STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN.

CHECKED BY:

APPROVED BY:

**SUBMITTALS**

REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TELCO EASEMENT PATH	SLR
1	11/20/21	ADD ALL ACCESS, REV. RET. WALL TYPE	SLR
0	11/19/21	ISSUED FOR CONSTRUCTION	SLR

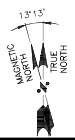
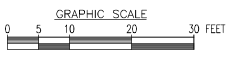
SITE NAME:  
**PLATTSVILLE RELO CT**

SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE  
**SITE PLAN**

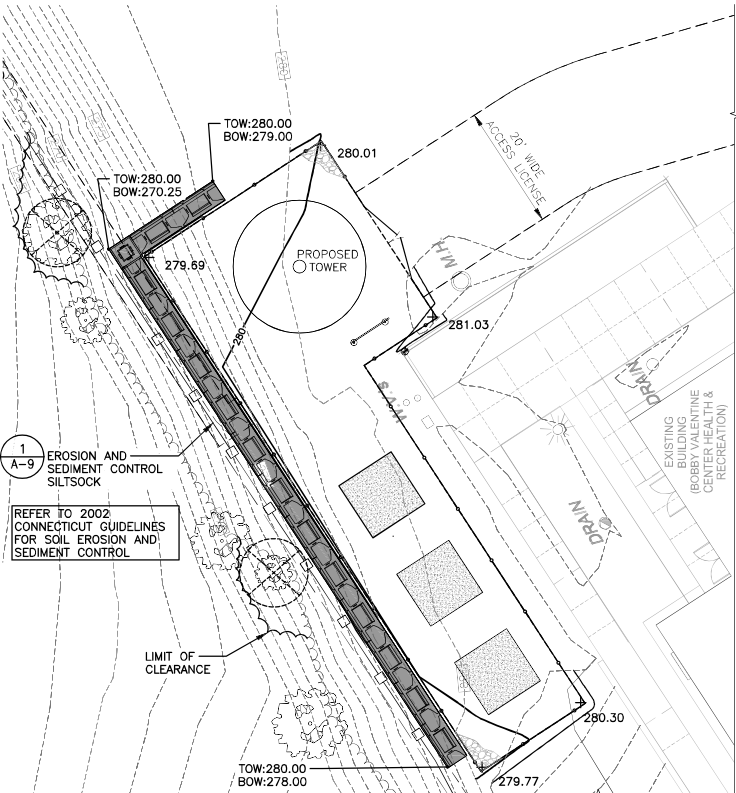
SHEET NUMBER  
**C-3**

**SITE PLAN**  
22x34 SCALE: 1"=50'-0"  
11x17 SCALE: 1"=100'-0"



**LEGEND**

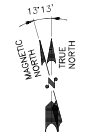
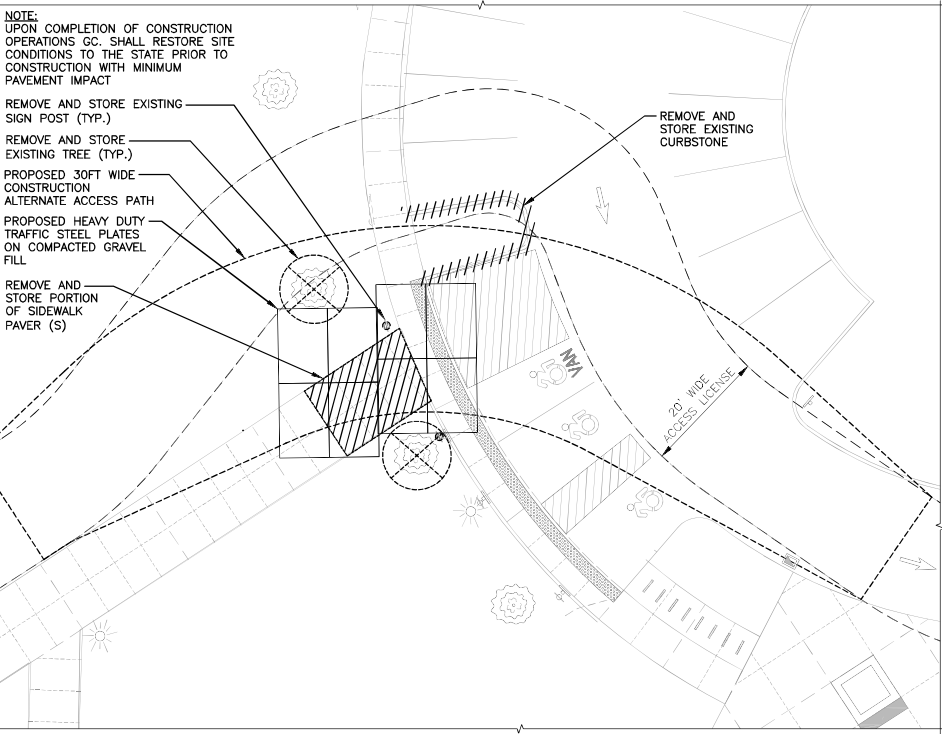
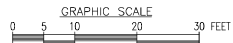
- PROPERTY LINE - SUBJECT PARCEL
- - - ABUTTERS PROPERTY LINE
- - - EXISTING CONTOUR LINE
- ~~~~~ TREE LINE
- ⊗ EXISTING TREE TO BE REMOVED
- BARBED WIRE FENCE REMAINS
- OH DOOR
- OVERHEAD WIRE (TRANSMISSION LINE)
- OH DOOR
- EXISTING CHAIN LINK FENCE
- EXISTING IRON FENCE
- EXISTING CATCH BASIN
- ▭ EXISTING BUILDING
- ▨ PROPOSED RETAINING WALL
- ⊔ BOW BOTTOM OF WALL
- ⊔ TOW TOP OF WALL
- PROPOSED CONCRETE PAD



**COMPOUND GRADING PLAN**

22x34 SCALE: 1"=10'-0"  
11x17 SCALE: 1"=20'-0"

1  
C-4



**ALTERNATE CONSTRUCTION ACCESS PATH**

22x34 SCALE: 1"=10'-0"  
11x17 SCALE: 1"=20'-0"

2  
C-4



**FOR CONSTRUCTION**

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
14 SHOOFER WAY 0345 FAX: (978) 256-6366



CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEERS OF RECORDS STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN

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**SUBMITTALS**

REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TO LO EASEMENT PATH	SLK
1	11/20/21	ADD ALL ACCESS, REV RET. WALL TYPE	SLK
0	11/19/21	ISSUED FOR CONSTRUCTION	SLK

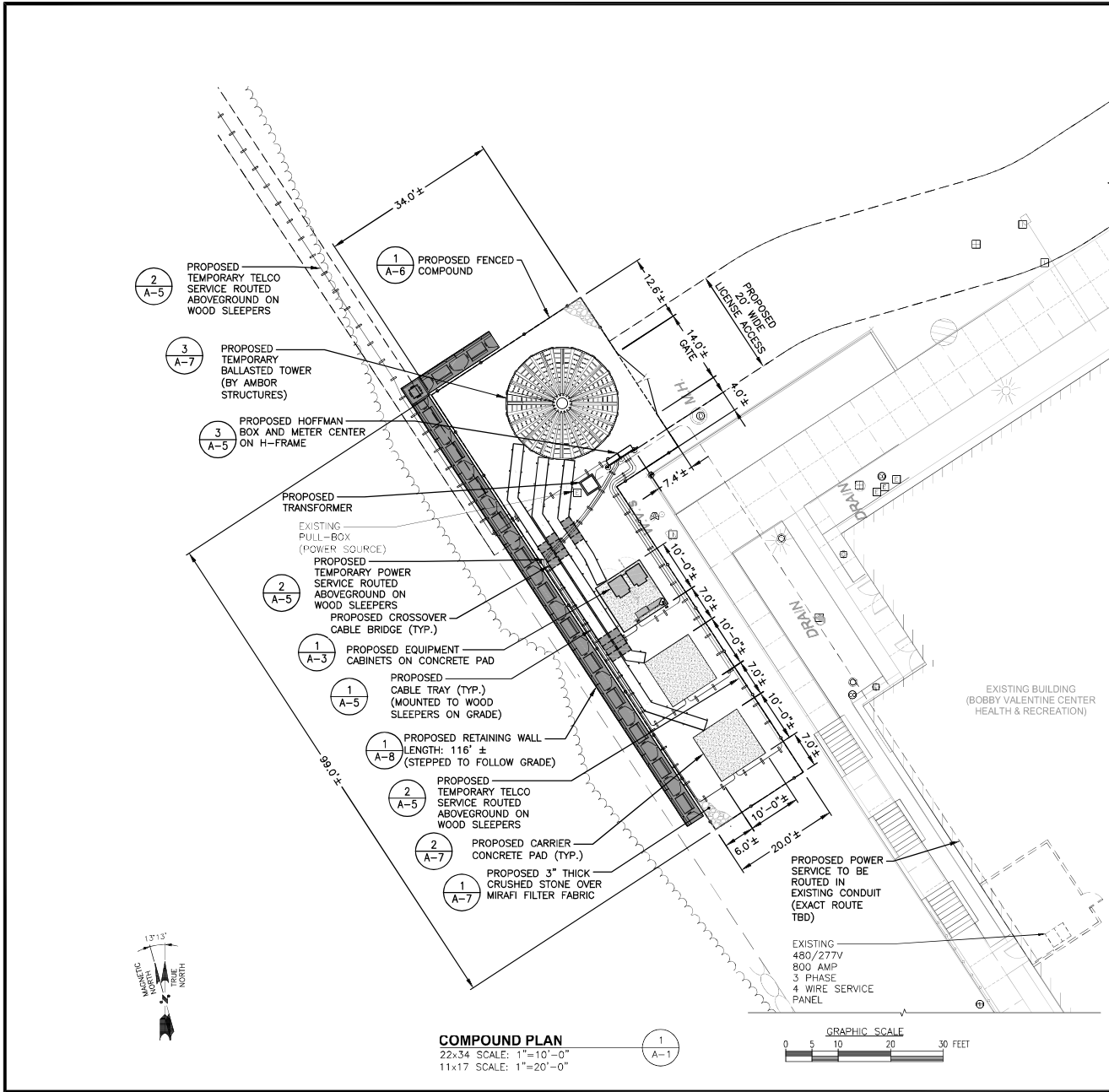
SITE NAME:  
**PLATTSVILLE  
RELO CT**

SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE  
**COMPOUND  
GRADING PLAN**

SHEET NUMBER  
**C-4**





**LEGEND**

- PROPERTY LINE - SUBJECT PARCEL
- ABUTTERS PROPERTY LINE
- - - EXISTING CONTOUR LINE
- ~ ~ ~ TREE LINE
- (X) EXISTING TREE TO BE REMOVED
- BARBED WIRE FENCE REMAINS
- OVERHEAD WIRE (TRANSMISSION LINE)
- OH DOOR OVERHEAD DOOR
- EXISTING CHAIN LINK FENCE
- EXISTING IRON FENCE
- ⊕ EXISTING CATCH BASIN
- ▭ EXISTING BUILDING
- ▨ PROPOSED RETAINING WALL
- BOW BOTTOM OF WALL
- TOW TOP OF WALL
- PROPOSED CONCRETE PAD

**FOR CONSTRUCTION**

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
14 HOOVER, MA 01045 FAX: (978) 254-6584



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**SUBMITTALS**

REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TELCO EASEMENT PATH	SLK
1	11/20/21	ADD ALL ACCESS, REV RET. WALL TYPE	SLK
0	11/19/21	ISSUED FOR CONSTRUCTION	SLK

SITE NAME:  
**PLATTSVILLE RELO CT**

SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE  
**COMPOUND PLAN**

SHEET NUMBER  
**A-1**

**NOTE:**  
 AN ANALYSIS OF THE CAPACITY OF THE STRUCTURE TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY HUDSON DESIGN GROUP, LLC. DATED: NOVEMBER 4, 2021

PROPOSED ANTENNAS MOUNTED TO FRAME (SEE ANTENNA PLAN ON SHEET A-4)

TOP OF PROPOSED TOWER  
 ELEV. = 125'-7"± (AGL)  
 ELEV. = 406'-7"± (AMSL)

℄ OF PROPOSED ANTENNAS  
 ELEV. = 121'-7"± (AGL)  
 ELEV. = 402'-7"± (AMSL)

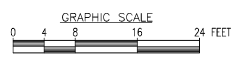
PROPOSED TEMPORARY BALLASTED TOWER

PROPOSED TEMPORARY FENCE

GROUND ELEVATION  
 ELEV. = 0'-0"± (AGL)  
 ELEV. = 281'-0"± (AMSL)

**ELEVATION**  
 22x34 SCALE: 1/8"=1'-0"  
 11x17 SCALE: 1/16"=1'-0"

1  
 A-2



FOR CONSTRUCTION

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
 14 HOOVER ROAD FAX: (978) 256-6366



CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORDS STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN

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**SUBMITTALS**

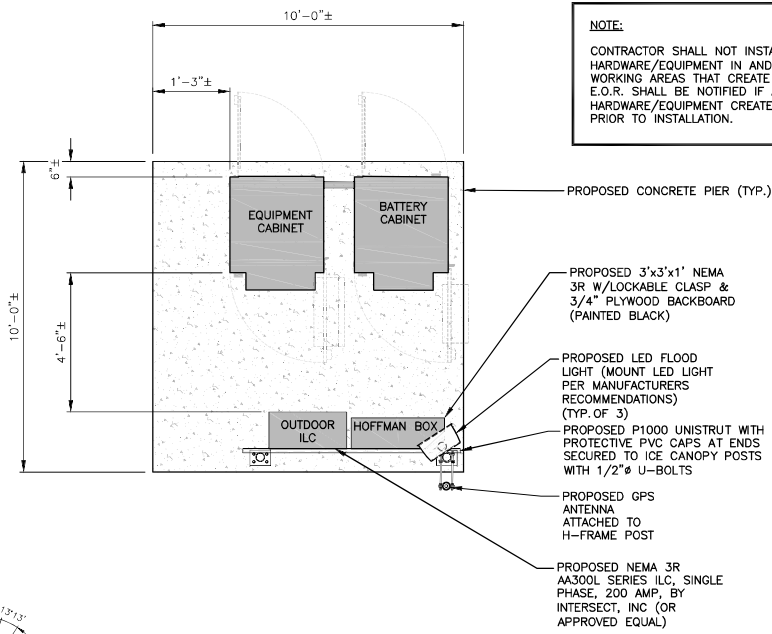
REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TO LO EASEMENT PACH	SKP
1	11/20/21	ADD ALL ACCESS, REV RET. WALL TYPE	SKP
0	11/19/21	ISSUED FOR CONSTRUCTION	SKP

SITE NAME:  
**PLATTSVILLE RELO CT**

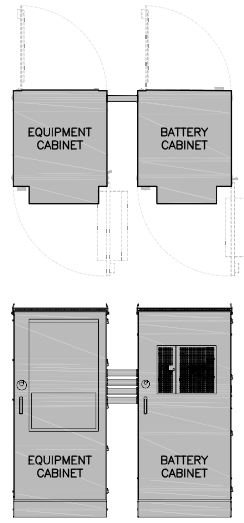
SITE ADDRESS:  
 5151 PARK AVENUE  
 FAIRFIELD, CT 06825

SHEET TITLE  
**ELEVATION**

SHEET NUMBER  
**A-2**



**NOTE:**  
 CONTRACTOR SHALL NOT INSTALL ANY HARDWARE/EQUIPMENT IN AND AROUND ANY WORKING AREAS THAT CREATE A TRIP HAZARD. E.O.R. SHALL BE NOTIFIED IF ANY EXISTING HARDWARE/EQUIPMENT CREATES A TRIP HAZARD PRIOR TO INSTALLATION.



**SPECIFICATIONS:**  
 MANUFACTURER: COMMSCOPE  
 PART NO.: CMC74-36B  
 BATTERY CABINET  
 SIZE: 80.75"x36.2"x43.7"  
 WEIGHT: TBD LBS

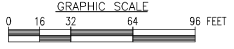
**SPECIFICATIONS:**  
 MANUFACTURER: COMMSCOPE  
 PART NO.: CMC74-36E  
 EQUIPMENT CABINET  
 SIZE: 80.75"x36.2"x43.7"  
 WEIGHT: TBD LBS

**NOTE:**  
 ANCHOR CABINET TO STEEL PLATFORM PER MANUFACTURERS RECOMMENDATIONS

**DUAL CABINET DETAIL (EQUIPMENT & BATTERY)** 2  
 SCALE: N.T.S. A-3



**EQUIPMENT PLAN** 1  
 22x34 SCALE: 1/2"=1'-0"  
 11x17 SCALE: 1/4"=1'-0"  
 A-3



TYPE: DOUBLE GANG  
 HINGE: VERTICAL  
 INSERT: WP217  
 DEPTH: 2-1/4"  
 COLOR: CLEAR  
 OR APPROVED EQUIVALENT



TIME CYCLE: 6 HOURS  
 SWITCH: SPST  
 HOLD: NO  
 OR APPROVED EQUIVALENT

**SWITCH DETAIL** 3  
 SCALE: N.T.S. A-3



**LED FLOOD LIGHT DETAIL** 4  
 SCALE: N.T.S. A-3

FOR CONSTRUCTION

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
 14 HOOVER, MA 01045 FAX: (978) 254-6364



CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORDS, STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN.

CHECKED BY:

APPROVED BY:

**SUBMITTALS**

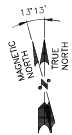
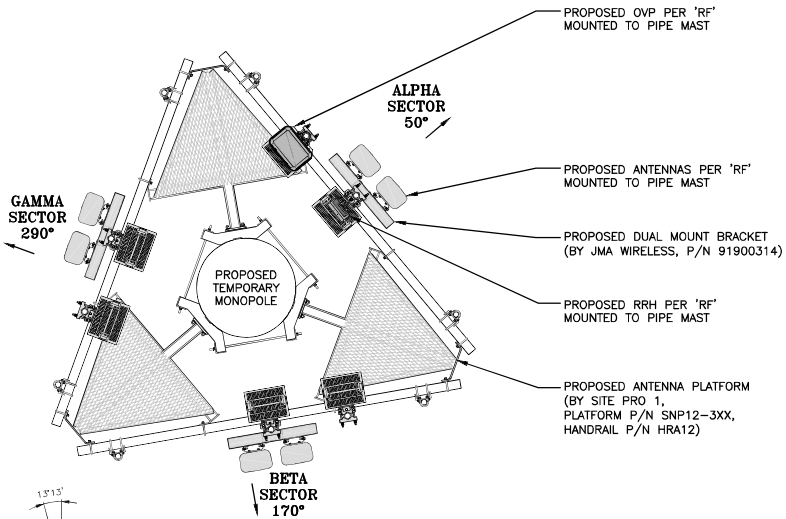
REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED T810 EASEMENT PACH	SKF
1	11/20/21	ADD ALL ACCESS, REV. FET. WALL TYPE	SKF
0	11/19/21	ISSUED FOR CONSTRUCTION	SKF

SITE NAME:  
**PLATTSVILLE  
 RELO CT**

SITE ADDRESS:  
 5151 PARK AVENUE  
 FAIRFIELD, CT 06825

SHEET TITLE  
**EQUIPMENT PLAN  
 AND DETAILS**

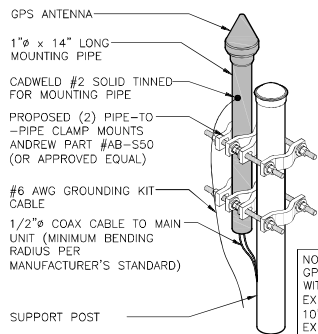
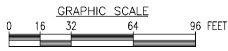
SHEET NUMBER  
**A-3**



**ANTENNA PLAN**

22x34 SCALE: 1/2"=1'-0"  
11x17 SCALE: 1/4"=1'-0"

1  
A-4

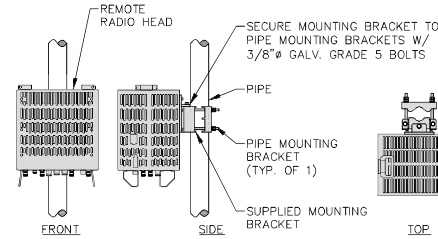


NOTE:  
GPS TO BE MOUNTED WITH SOUTHWESTERN EXPOSURE. (MIN. OF 10" AWAY FROM EXISTING GPS ANTENNA)

**GPS MOUNTING DETAIL**

SCALE: N.T.S

3  
A-4

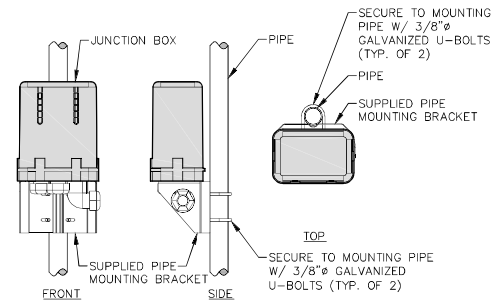


REFER TO LATEST ANTENNA DESIGN FOR RRH MODEL AND SIZE

**REMOTE RADIO HEAD (RRH) MOUNTING DETAIL**

SCALE: N.T.S

2  
A-4



**OVP MOUNTING DETAIL**

SCALE: N.T.S

4  
A-4

**NOTE TO GENERAL CONTRACTOR:**

'RF' DESIGN AND EQUIPMENT IS BASED UPON **RFDS ISSUED BY VZW DATED: 11/17/2021**. THE CONTRACTOR OF RECORD SHALL CONTACT VZW PRIOR TO ANY AND ALL ORDERING/PURCHASING/INSTALLATION OF EQUIPMENT TO VERIFY THAT THE 'RF' LISTED IN THE DRAWING SET IS CURRENT AND UP TO DATE.

FOR CONSTRUCTION

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
14 HOOVER, MA 01845 FAX: (978) 254-6364



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REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TELCO EASEMENT PLAN	SLK
1	11/20/21	ADD ALL ACCESS, REV. NET. WALL TYPE	SLK
0	11/19/21	ISSUED FOR CONSTRUCTION	SLK

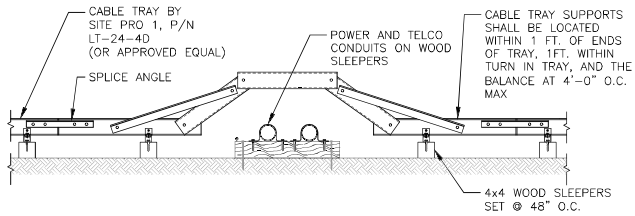
SITE NAME:  
**PLATTSVILLE  
RELO CT**

SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE  
**ANTENNA PLAN  
AND DETAILS**

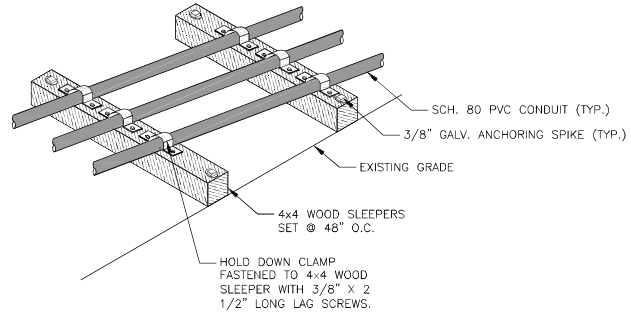
SHEET NUMBER

**A-4**



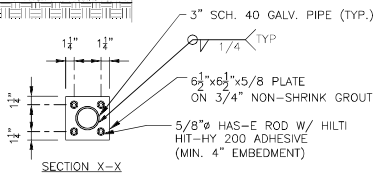
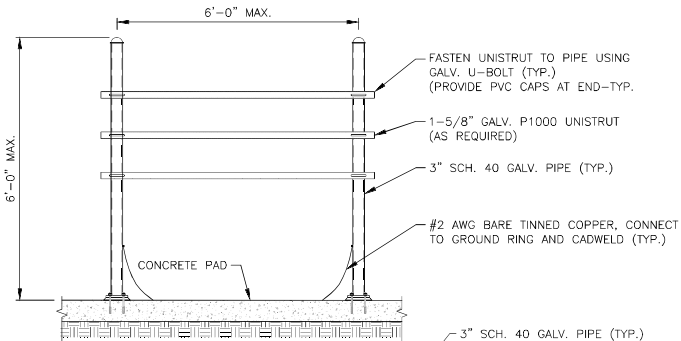
**CABLE TRAY & CROSSOVER BRIDGE DETAIL**  
SCALE: N.T.S.

1  
A-5



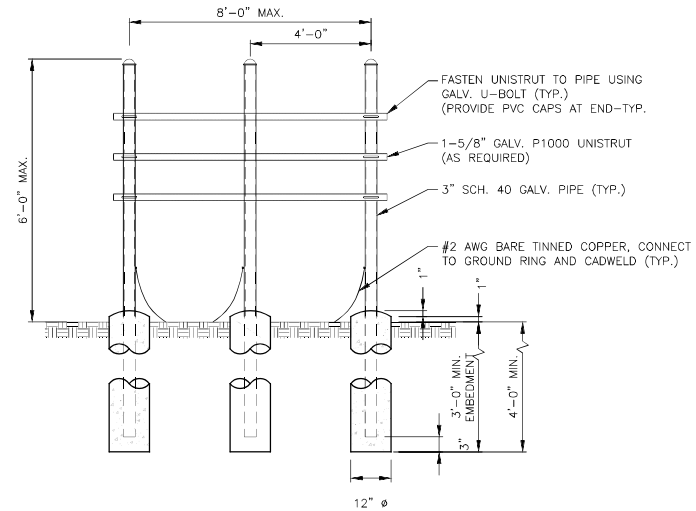
**CONDUIT DETAIL**  
SCALE: N.T.S.

2  
A-5



**H-FRAME ON CONCRETE PAD DETAIL**  
SCALE: N.T.S.

3  
A-5



**H-FRAME ON GRADE DETAIL**  
SCALE: N.T.S.

4  
A-5

FOR CONSTRUCTION

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
14 HOOVER, MA 01045 FAX: (978) 254-6364



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REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TELCO EMBEDMENT FROM	SLK
1	11/20/21	ADD ALL ACCESS, REV RET. MILL TYPE	SLK
0	11/19/21	ISSUED FOR CONSTRUCTION	SLK

SITE NAME:  
**PLATTSVILLE  
RELO CT**

SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE  
**CABLE SUPPORT  
DETAILS**

SHEET NUMBER

**A-5**

FOR CONSTRUCTION

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
14 HOOVER, MA 01845 FAX: (978) 256-6366



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REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TO LO EASEMENT FROM	SKP
1	11/20/21	ADD ALL ACCESS, REV. NET. WALL TYPE	SKP
0	11/19/21	ISSUED FOR CONSTRUCTION	SKP

SITE NAME:  
PLATTSVILLE  
RELO CT

SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

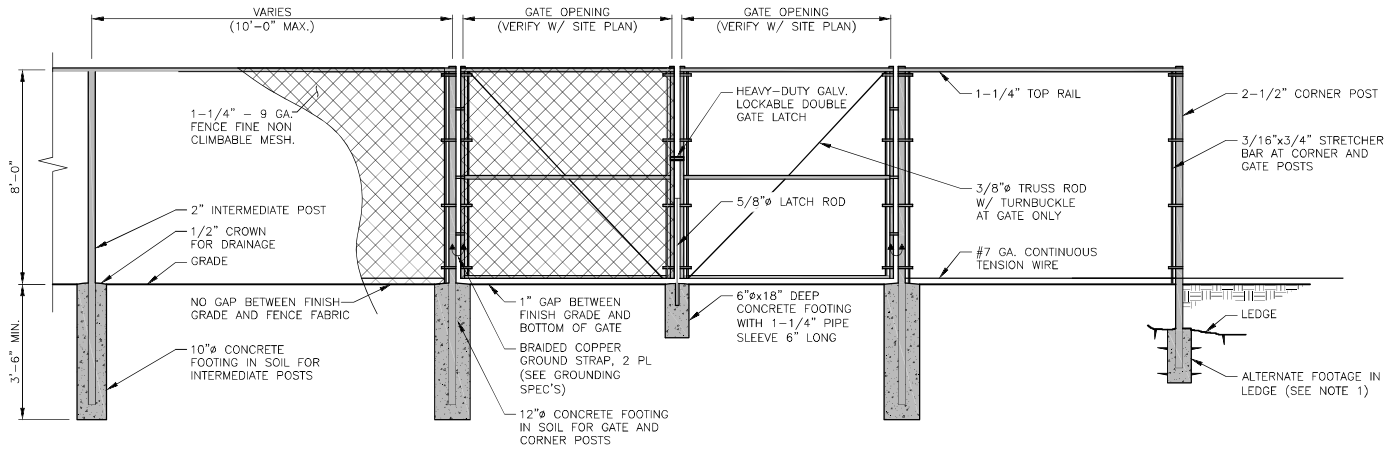
SHEET TITLE  
FENCE DETAILS

SHEET NUMBER  
**A-6**

**FENCE NOTES**

1. ALTERNATE FOOTINGS FOR ALL FENCE POSTS IN LEDGE: IF LEDGE IS ENCOUNTERED AT GRADE, OR AT A DEPTH SHALLOWER THAN 3'-6", CORE DRILL AN 8" DIA HOLE 18" INTO THE LEDGE. CENTER POST IN THE HOLE AND FILL WITH CONCRETE OR GROUT. IF LEDGE IS BELOW FINISH GRADE, COAT BACKFILLED SECTION OF POST WITH COAL TAR, AND BACKFILL WITH WELL-DRAINING GRAVEL.

2. ATTACH EACH GATE WITH 1-1/2" PAIR OF NON-LIFT-OFF TYPE, MALLEABLE IRON OR FORGING, PIN-TYPE HINGES. ASSEMBLIES SHALL ALLOW FOR 180° OF GATE TRAVEL.



**CHAINLINK FENCE DETAIL**  
SCALE: N.T.S.



FOR CONSTRUCTION

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



45 BEECHWOOD DRIVE TEL: (978) 557-5553  
14 HOOVER, MA 01045 FAX: (978) 254-4384



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2	12/16/21	REVISED TO LO EASEMENT PATH	SKP
1	11/20/21	ADD ALL ACCESS, REV RET. WALL TYPE	SKP
0	11/19/21	ISSUED FOR CONSTRUCTION	SKP

SITE NAME:  
**PLATTSVILLE  
RELO CT**

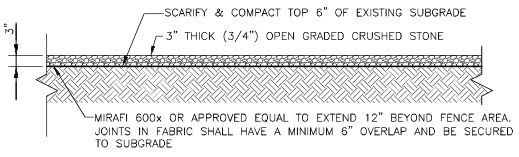
SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE  
**COMPOUND SURFACE  
COVER & CONCRETE  
PAD DETAILS**

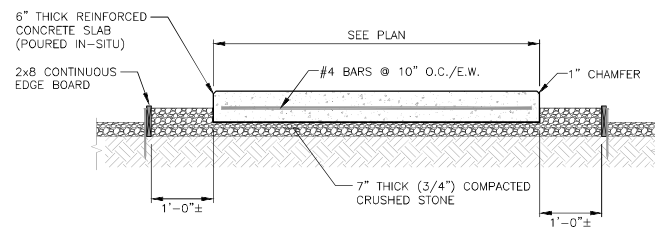
SHEET NUMBER  
**A-7**

CONCRETE SPECIFICATIONS:

1. 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%)
2. REINFORCING BAR TO BE ASTM A615 GRADE 60.
3. WELDED WIRE FABRIC TO CONFORM TO THE REQUIREMENTS OF ASTM A185. WIRES FOR FABRIC TO CONFORM TO THE REQUIREMENTS OF ASTM A82.
4. ALL REINFORCING TO HAVE MINIMUM CONCRETE COVER PER ACI SPECIFICATIONS.
5. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO LATEST EDITION OF ACI 318 AND APPLICABLE STATE BUILDING CODE.

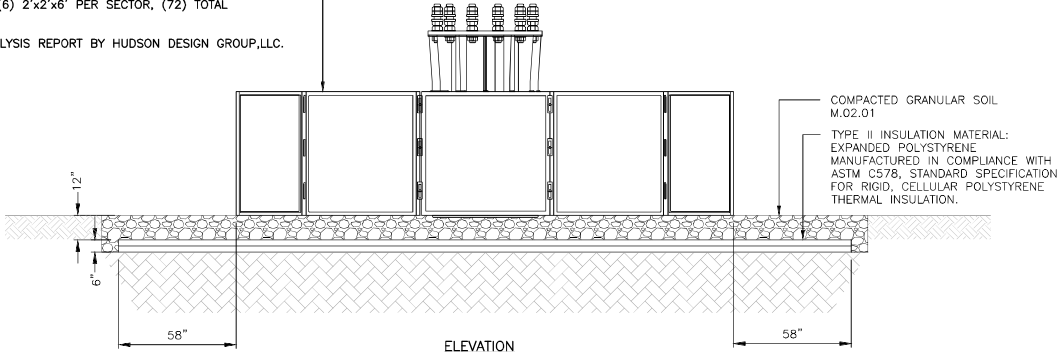


**COMPOUND GROUND SURFACE COVER** 1  
SCALE: N.T.S. A-7



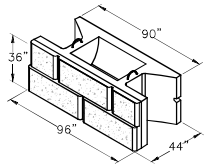
**COMPOUND GROUND SURFACE COVER** 2  
SCALE: N.T.S. A-7

AMBOR STRUCTURES BASE  
BALLAST MINIMUM WEIGHT REQUIREMENT: 251,000 LBS  
MINIMUM CONCRETE WASTE BLOCKS: (6) 2'x2'x6' PER SECTOR, (72) TOTAL  
MINIMUM BLOCK WEIGHT: 3,600 LBS  
FOR ADDITIONAL INFORMATION REFER TO CURRENT STRUCTURAL ANALYSIS REPORT BY HUDSON DESIGN GROUP,LLC.

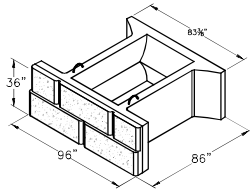


**TEMPORARY TOWER BASE DETAIL** 3  
SCALE: N.T.S. A-7

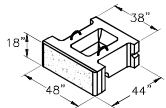
- RETAINING WALL NOTES:**
1. CONCRETE UNITS TO BE STONE STRONG SYSTEMS, LLC.
  2. DRAWINGS FOR SCHEMATIC & BIDDING PURPOSES ONLY. FINAL DESIGN BY STONE STRONG SYSTEMS, LLC.
  3. WALL HEIGHT GREATER THAN 6 FEET WILL REQUIRE THE USE OF GEOSYNTHETIC REINFORCEMENT. CONSULT MANUFACTURER FOR PLACEMENT REQUIREMENTS.
  4. FOR RETAINING WALL INSTALLATION REFER TO STONE STRONG, LLC INSTALLATION GUIDELINES AND RECOMMENDATIONS.



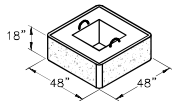
STONE STRONG 24SF UNIT  
BATTERED FACE



STONE STRONG 24-86 UNIT



STONE STRONG 6SF UNIT

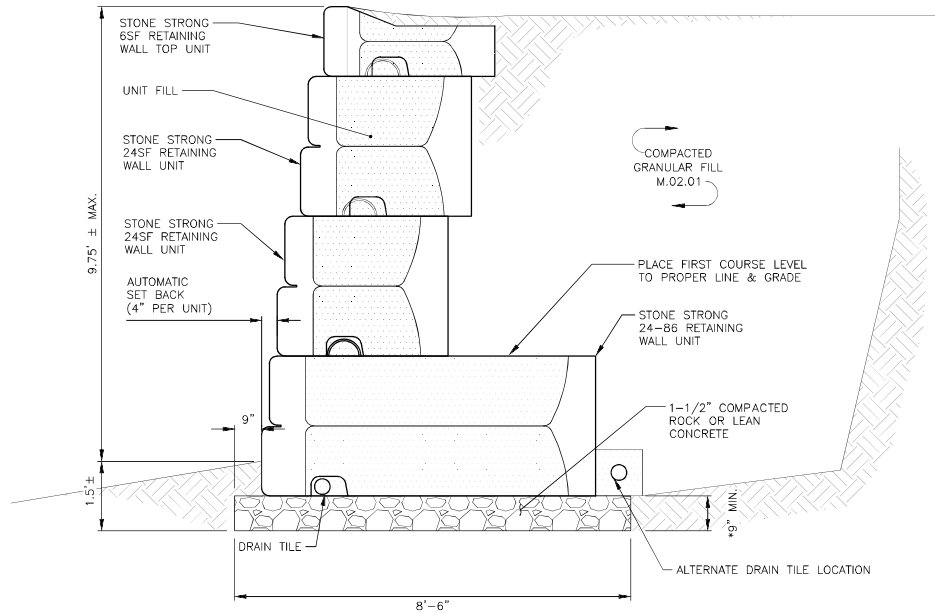


STONE STRONG 90° CORNER UNIT

**TYPICAL RETAINING WALL BLOCK UNITS**

SCALE: N.T.S

2  
A-8



NOTE: BEARING CONDITIONS SHALL BE OBSERVED BY THE SITE GEOTECHNICAL ENGINEER. BASE DIMENSIONS MAY BE INCREASED TO ADDRESS DEFICIENT SOIL BEARING CONDITIONS.

\*FOR WALL HEIGHTS OF 6' OR LESS, BASE THICKNESS MAY BE REDUCED TO 6".

**GRAVITY WALL SECTION (W/EXTENDED BASE UNITS)**

SCALE: N.T.S

1  
A-8

**FOR CONSTRUCTION**

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



45 BEECHWOOD DRIVE TEL: (978) 557-5533  
14 BROOKVIEW MA 01945 FAX: (978) 254-4364



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**SUBMITTALS**

REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TO LO EASEMENT FROM	SLR
1	11/20/21	ADD ALL ACCESS, REV RET. WALL TYPE	SLR
0	11/19/21	ISSUED FOR CONSTRUCTION	SLR

SITE NAME:  
**PLATTSVILLE  
RELO CT**

SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE  
**RETAINING WALL  
DETAILS**

SHEET NUMBER

**A-8**



**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 SPLICED 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.

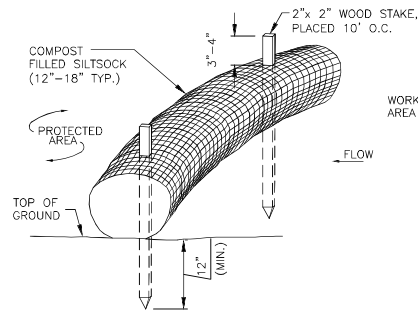
**NOTES:**

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 8 IN. ANCHOR TRENCH, STAPLE, BACKFILL AND COMPACT SOIL

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.

1  
A-9

**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.

**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 TREFFOIL	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 TREFFOIL	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.

**FOR CONSTRUCTION**

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



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CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORDS, STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN

CHECKED BY:

APPROVED BY:

**SUBMITTALS**

REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TO LO EROSION TECH	SKP
1	11/20/21	ADD ALL ACCESS, REV RET. WALL TYPE	SKP
0	11/19/21	ISSUED FOR CONSTRUCTION	SKP

SITE NAME:  
**PLATTSVILLE  
 RELO CT**

SITE ADDRESS:  
 5151 PARK AVENUE  
 FAIRFIELD, CT 06825

SHEET TITLE  
**EROSION CONTROL  
 NOTES AND DETAILS**

SHEET NUMBER  
**A-9**

**STRUCTURAL NOTES:**

- DESIGN REQUIREMENTS ARE PER STATE BUILDING CODE AND APPLICABLE SUPPLEMENTS, INTERNATIONAL BUILDING CODE, EIA/71A-222-H STRUCTURAL STANDARDS FOR STEEL ANTENNA, TOWERS AND ANTENNA SUPPORTING STRUCTURES.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND ENGINEER OF RECORD.
- DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 (F<sub>y</sub>=50 ksi), MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36 UNLESS OTHERWISE INDICATED.
- STEEL PIPE SHALL CONFORM TO ASTM A500 "COLD-FORMED WELDED & SEAMLESS CARBON STEEL STRUCTURAL TUBING", GRADE B, OR ASTM A53 PIPE STEEL BLACK AND HOT-DIPPED ZINC-COATED WELDED AND SEAMLESS TYPE E OR S, GRADE B. PIPE SIZES INDICATED ARE NOMINAL. ACTUAL OUTSIDE DIAMETER IS LARGER.
- STRUCTURAL CONNECTION BOLTS SHALL BE HIGH STRENGTH BOLTS (BEARING TYPE) AND CONFORM TO ASTM A325 TYPE-X "HIGH STRENGTH BOLTS FOR STRUCTURAL JOINTS, INCLUDING SUITABLE NUTS AND PLAIN HARDENED WASHERS". ALL BOLTS SHALL BE 3/4" DIA UON.
- ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS OTHERWISE NOTED.
- ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS OTHERWISE NOTED.
- FIELD WELDS, DRILL HOLES, SAW CUTS AND ALL DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED WITH AN ORGANIC ZINC REPAIR PAINT COMPLYING WITH REQUIREMENTS OF ASTM A780. GALVANIZING REPAIR PAINT SHALL HAVE 65 PERCENT ZINC BY WEIGHT, ZIRP BY DUNCAN GALVANIZING, GALVA BRIGHT PREMIUM BY CROWN OR EQUAL. THICKNESS OF APPLIED GALVANIZING REPAIR PAINT SHALL BE NOT LESS THAN 4 COATS (ALLOW TIME TO DRY BETWEEN COATS) WITH A RESULTING COATING THICKNESS REQUIRED BY ASTM A123 OR A153 AS APPLICABLE.
- CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND FOR METHODS USED IN CORRECTING WELDING. ALL WELDERS AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS "STANDARD QUALIFICATION PROCEDURES". ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AWS AND D11, WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "STEEL CONSTRUCTION MANUAL", 14TH EDITION.
- INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NON-CONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE CONSTRUCTION MANAGER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE CONSTRUCTION MANAGER APPROVAL.
- UNISTRUT SHALL BE FORMED STEEL CHANNEL STRUT FRAMING AS MANUFACTURED BY UNISTRUT CORP., WAYNE, MI OR EQUAL. STRUT MEMBERS SHALL BE 1 5/8"x1 5/8"x120#, UNLESS OTHERWISE NOTED, AND SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
- EPOXY ANCHOR ASSEMBLY SHALL CONSIST OF STAINLESS STEEL ANCHOR ROD WITH NUTS & WASHERS, AN INTERNALLY THREADED INSERT, A SCREEN TUBE AND A EPOXY ADHESIVE. THE ANCHORING SYSTEM SHALL BE THE HILTI-HIT HY-270 AND OR HY-200 SYSTEMS (AS SPECIFIED IN DWG.) OR ENGINEERS APPROVED EQUAL.
- EXPANSION BOLTS SHALL CONFORM TO FEDERAL SPECIFICATION FF-S-325, GROUP II, TYPE 4, CLASS I, HILTI KWIK BOLT III OR APPROVED EQUAL. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- LUMBER SHALL COMPLY WITH THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL FOREST PRODUCTS ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. ALL LUMBER SHALL BE PRESSURE TREATED AND SHALL BE STRUCTURAL GRADE NO. 2 OR BETTER.
- WHERE ROOF PENETRATIONS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT AND COORDINATE RELATED WORK WITH THE BUILDING OWNER AND THE EXISTING ROOF INSTALLER. WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO NOT VOID THE EXISTING ROOF WARRANTY. ROOF SHALL BE WATERTIGHT.
- ALL FIBERGLASS MEMBERS USED ARE AS MANUFACTURED BY STRONGWELL COMPANY OF BRISTOL, VA 24203. ALL DESIGN CRITERIA FOR THESE MEMBERS IS BASED ON INFORMATION PROVIDED IN THE DESIGN MANUAL. ALL REQUIREMENTS PUBLISHED IN SAID MANUAL MUST BE STRICTLY ADHERED TO.
- NO MATERIALS TO BE ORDERED AND NO WORK TO BE COMPLETED UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED IN WRITING.
- SUBCONTRACTOR SHALL FIREPROOF ALL STEEL TO PRE-EXISTING CONDITIONS.

**SPECIAL INSPECTIONS (REFERENCE IBC CHAPTER 17):**

**GENERAL:** WHERE APPLICATION IS MADE FOR CONSTRUCTION, THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PERFORM INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE INSPECTION CHECKLIST ABOVE.

THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND ENGINEERS OF RECORD INVOLVED IN THE DESIGN OF THE PROJECT ARE PERMITTED TO ACT AS THE APPROVED AGENCY AND THEIR PERSONNEL ARE PERMITTED TO ACT AS THE SPECIAL INSPECTOR FOR THE WORK DESIGNED BY THEM, PROVIDED THOSE PERSONNEL MEET THE QUALIFICATION REQUIREMENTS.

STATEMENT OF SPECIAL INSPECTIONS: THE APPLICANT SHALL SUBMIT A STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE IN ACCORDANCE WITH SECTION 107.1 AS A CONDITION FOR ISSUANCE. THIS STATEMENT SHALL BE IN ACCORDANCE WITH SECTION 1705.

REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS SHALL BE SUBMITTED.

<b>SPECIAL INSPECTION CHECKLIST</b>	
<b>BEFORE CONSTRUCTION</b>	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
N/A	ENGINEER OF RECORD APPROVED SHOP DRAWINGS <sup>1</sup>
N/A	MATERIAL SPECIFICATIONS REPORT <sup>2</sup>
N/A	FABRICATOR NDE INSPECTION
<b>REQUIRED</b>	PACKING SLIPS <sup>3</sup>
ADDITIONAL TESTING AND INSPECTIONS:	
<b>DURING CONSTRUCTION</b>	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
<b>REQUIRED</b>	STEEL INSPECTIONS
N/A	HIGH STRENGTH BOLT INSPECTIONS
N/A	HIGH WIND ZONE INSPECTIONS <sup>4</sup>
N/A	FOUNDATION INSPECTIONS
N/A	CONCRETE COMP. STRENGTH, SLUMP TESTS AND PLACEMENT
N/A	POST INSTALLED ANCHOR VERIFICATION <sup>5</sup>
N/A	GROUT VERIFICATION
N/A	CERTIFIED WELD INSPECTION
N/A	EARTHWORK: LIFT AND DENSITY
N/A	ON SITE COLD GALVANIZING VERIFICATION
N/A	GUY WIRE TENSION REPORT
ADDITIONAL TESTING AND INSPECTIONS:	
<b>AFTER CONSTRUCTION</b>	
CONSTRUCTION/INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
<b>REQUIRED</b>	MODIFICATION INSPECTOR REDLINE OR RECORD DRAWINGS <sup>6</sup>
N/A	POST INSTALLED ANCHOR PULL-OUT TESTING
<b>REQUIRED</b>	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

**NOTES:**

- REQUIRED FOR ANY NEW SHOP FABRICATED FRP OR STEEL BOLTS OR STEEL.
- PROVIDED BY MANUFACTURER, REQUIRED IF HIGH STRENGTH BOLTS OR STEEL.
- PROVIDED BY GENERAL CONTRACTOR; PROOF OF MATERIALS.
- HIGH WIND ZONE INSPECTION CATB 120MPH OR CAT C.D 110MPH INSPECT FRAMING OF WALLS, ANCHORING, FASTENING SCHEDULE.
- ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 308.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 308.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-11 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.8.2.4.
- AS REQUIRED; FOR ANY FIELD CHANGES TO THE ITEMS IN THIS TABLE.

**FOR CONSTRUCTION**

PREPARED FOR: CELCO PARTNERSHIP D.B.A.




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CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORDS STAMPED AND SIGNED. SUBMITTAL DATE LISTED HEREIN.

CHECKED BY:

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<b>SUBMITTALS</b>			
REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TELCO EMENT PATH	SLV
1	11/29/21	ADD ALL ACCESS, REV RET. MILL TYPE	SLV
0	11/19/21	ISSUED FOR CONSTRUCTION	SLV

SITE NAME:  
**PLATTSVILLE RELO CT**

SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE  
**STRUCTURAL NOTES & SPECIAL INSPECTIONS**

SHEET NUMBER  
**SN-1**

**GENERAL NOTES**

**ELECTRICAL**

- ALL CONDUCTORS SHALL BE COPPER.
- ALL WIRING DEVICES AND EQUIPMENT SHALL BE SPECIFICATION GRADE AND LISTED.
- ALL UNDERGROUND LINES ON SITE SHALL BE LOCATED PRIOR TO CONSTRUCTION (IF APPLICABLE).
- THE INSTALLATION OF ALL MATERIALS SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE.
- ALL MATERIALS SHALL BE NEW.
- OUTLETS AND JUNCTION BOXES SHALL BE ZINC-COATED OR CADMIUM PLATED SHEET STEEL BOXES NOT LESS THAN FOUR INCHES SQUARE AND SUITABLE FOR THE TYPE OF SERVICE OUTLET. ALL OUTLET AND JUNCTION BOXES SHALL BE SECURELY SURFACE MOUNTED.
- THE ENTIRE SYSTEM SHALL BE SOLIDLY GROUNDING USING COMPRESSION-TYPE CONDUIT FITTINGS ON CONDUITS AND PROPERLY BONDED GROUND CONDUCTORS. CRIMP-TYPE AND SET SCREW-TYPE CONDUIT FITTINGS ARE NOT ALLOWED. ALL RECEPTACLES AND EQUIPMENT CIRCUITS SHALL BE GROUNDING USING A FULL-SIZE EQUIPMENT GROUNDING CONDUCTOR RUN WITH THE CURRENT CONDUCTORS.
- ALL WALL PENETRATIONS FOR TELCO, POWER, AND GROUNDING SHALL REQUIRE RIGID STEEL SLEEVES.
- ALL SWITCHES SHALL BE 48 INCHES A.F.F.
- ALL RECEPTACLES SHALL BE 18 INCHES A.F.F.
- ALL T-STATS SHALL BE 60 INCHES A.F.F.

**CABLE TRAY**

- BOTTOM OF CABLE TRAY SHALL BE 7"-6" A.F.F.
- CABLE TRAY ANCHORS SHALL BE MOUNTED TO STRUCTURAL CEILING.
- AFTER FINAL LEVELING OF CABLE TRAY, CUT THREADED RODS 1/2" BELOW NUT AND CAP OFF.

**ALARM AND SIGNAL**

- ALL ALARM WIRES SHALL BE RUN FROM EACH OF THE COMPONENTS TERMINAL STRIP. LEAVE ADDITIONAL ALARM WIRE COILED WITH SUFFICIENT LENGTH TO REACH THE FLOOR.
- ALL ALARM WIRES SHALL BE TAGGED AND LABELED WITH THE APPROPRIATE ALARM ITEM. ALL CONTRACTORS WILL BE NORMALLY CLOSED, DRY, AND ISOLATED FROM GROUND, U.O.N.
- ALL ALARM WIRING SHALL BE 1/2" C., (2) #22 AWG, UNLESS OTHERWISE NOTED.
- ELECTRICAL CONTRACTOR TO CARRY POWER FEED OF LESSEE'S MOD CELL EQUIPMENT.
- ALL ENCLOSURES TO BE NEMA.
- INTEGRATED LOAD CENTER ASSEMBLY SUPPLIED BY LESSEE.

**ABBREVIATIONS**

A	AMPERES
AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
AF	ABOVE FINISH FLOOR
AGB	COPPER ANTENNA GROUND BAR
A/C	AMPERE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
BCW	BARE COPPER WIRE
BTS	BASE TRANSMISSION SYSTEM
C	CONDUIT
C/B	CIRCUIT BREAKER
CG/BE	COAX INSULATED GROUND BAR EXTERNAL
DC	DIRECT CURRENT
DWG	DRAWING
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM CONTROL PANEL
G	GROUND
GEN	GENERATOR
GPS	GLOBAL POSITIONING SYSTEM
GR	GROWTH
HVAC	HEATING VENTILATION AND AIR-CONDITIONING
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IGR	INTERNAL GROUND RING (HALO)
kcmil	ONE THOUSAND CIRCULAR MILS
LAGB	LOWER ANTENNA COPPER GROUND BAR
MIGB	MASTER ISOLATED GROUND BAR
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
PCS	PERSONAL COMMUNICATION SYSTEM
PH	PHASE
PPC	POWER PROTECTION CABINET
PRC	PRIMARY RADIO CABINET
RGS	RIGID GALVANIZED STEEL
RWY	RACEWAY
TYP	TYPICAL
UAGB	UPPER ANTENNA COPPER GROUND
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VA	VOLT-AMPS
W	WATTS

**ELECTRICAL NOTES**

- UTILITY SERVICES SHOWN ARE PROPOSED. THE ELECTRIC CONTRACTOR SHALL COORDINATE EXACT TELEPHONE AND ELECTRIC SERVICE CONNECTION POINTS, PULL BOXES, ROUTING AND ASSOCIATED REQUIREMENTS WITH OWNER AND LOCAL UTILITY CO. VISIT SITE AND EXAMINE CONDITIONS UNDER WHICH WORK MUST BE PERFORMED. REPORT ADVERSE CONDITIONS IN WRITING TO LICENSEE. COMMENCEMENT OF WORK SHALL BE CONSIDERED AS COMPLETE ACCEPTANCE OF EXISTING CONDITIONS INCLUDING PREPARATORY WORK DONE BY OTHERS.
- GIVE NOTICES, FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY FEES AND BACK CHARGES, AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION.
- PERFORM WORK AS REQUIRED BY BOCA AND PER LOCAL LAWS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT ROUTING WITH OWNER AND FIELD CONSTRUCTION MANAGER.
- ALL EXTERIOR WALL PENETRATIONS SHALL BE SILICONE SEALED. MATERIAL AND EQUIPMENT SHALL BE UL, NEMA, ANSI, IEEE, ADA & CBM APPROVED FOR INTENDED SERVICE. INSTALLATION SHALL MEET REQUIREMENTS OF NATIONAL AND STATE ELECTRICAL CODE.
- ALL ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C..
- ALL NEW WIRING SHALL BE TYPE THWN RATED 75°C., 600 VOLT, WET OR DRY LOCATIONS. MINIMUM BRANCH CIRCUIT WIRING SHALL BE #12 AWG SOLID COPPER.
- ALL METALLIC CONDUITS SHALL BE PROVIDED WITH BONDING BUSHINGS.
- ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO THE LICENSEE PROJECT MANAGER AT JOB COMPLETION.
- PROVIDE THE OWNER WITH ONE SET OF COMPLETE ELECTRICAL "AS BUILT" DRAWINGS AT THE COMPLETION OF THE JOB.
- GUARANTEE WORK IN WRITING FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE. REPAIR OR REPLACE DEFECTIVE MATERIALS OR INSTALLATION AT NO COST TO OWNER. CORRECT DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENTS UNDER GUARANTEE AT NO COST TO OWNER.
- CONTRACTOR SHALL CONTACT "DIG SAFE" (1-888-DIG-SAFE) PRIOR TO COMMENCEMENT OF WORK.

**PANEL NAME: PROPOSED AC PANEL**

1A, 3W 120/240V, 200A

MOUNTING: SUBBASE  
MANUFACTURER: I.B.D.

CKT No.	BREAKER AMPS	POLES	LOAD DESCRIPTION	LOAD kVA	BRANCH CKT	CKT No.	BREAKER AMPS	POLES	LOAD DESCRIPTION	LOAD kVA	BRANCH CKT
1						2	40	2	RECTIFIER #5	9.6	3#8, 1#8G, 1"C
3	40	2	SURGE	9.6	3#8, 1#8G, 1"C	4	40	2	RECTIFIER #6	9.6	3#8, 1#8G, 1"C
5						6	40	2	RECTIFIER #7	9.6	3#8, 1#8G, 1"C
7	40	2	RECTIFIER #1	9.6	3#8, 1#8G, 1"C	8	40	2	RECTIFIER #8	9.6	3#8, 1#8G, 1"C
9						10					
11	40	2	RECTIFIER #2	9.6	3#8, 1#8G, 1"C	12					
13						14	40	2	EQUIPMENT CABINET	2.4	2#12, 1#8G, 3/4"C
15	40	2	RECTIFIER #3	9.6	3#8, 1#8G, 1"C	16					
17						18	20	1	TELCO/TWISTLOCK	2.4	2#12, 1#8G, 3/4"C
19	40	2	RECTIFIER #4	9.6	3#8, 1#8G, 1"C	20					
21						22	20	1	LIGHTING	2.4	2#12, 1#8G, 3/4"C
23						24					

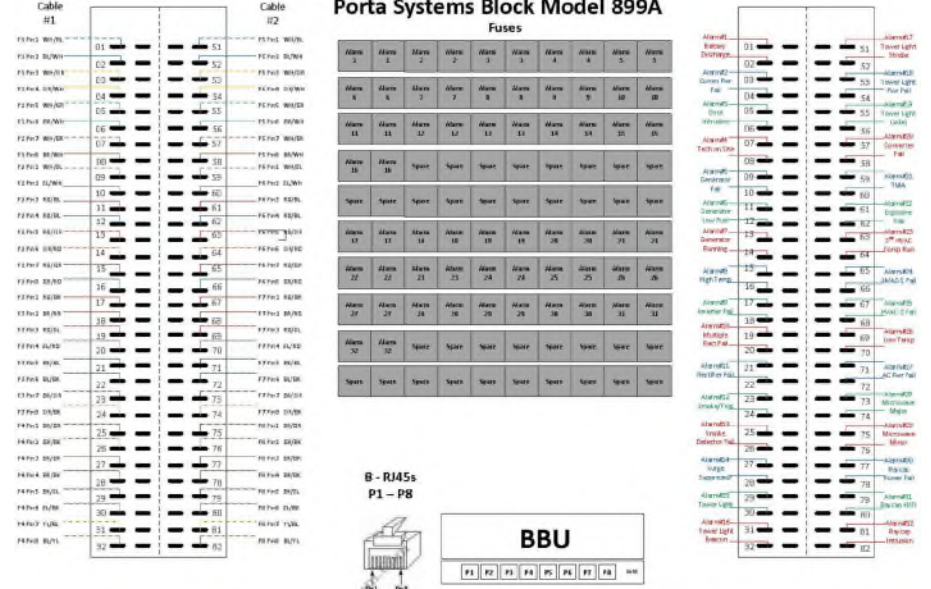
PREPARED FOR: CELCO PARTNERSHIP D.B.A.

45 BEECHWOOD DRIVE TEL: (978) 537-5533  
14 HANOVER, MA 01846 FAX: (978) 254-5564

DAVID J. KORMAN  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF CONNECTICUT  
No. 10050  
EXPIRES 12/31/2016

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**Wiring Diagram for Porta Systems Block Model 899A**



**ALARM DETAIL** 1  
SCALE: N.T.S. E-1

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**SUBMITTALS**

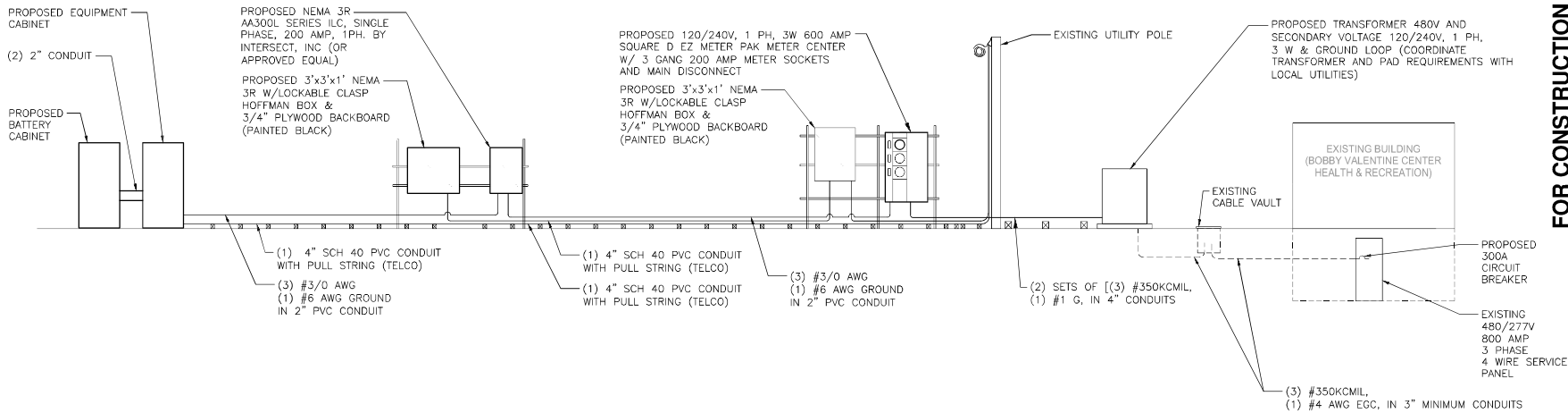
REV	DATE	DESCRIPTION	BY

SITE NAME:  
**PLATTSVILLE RELO CT**

SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

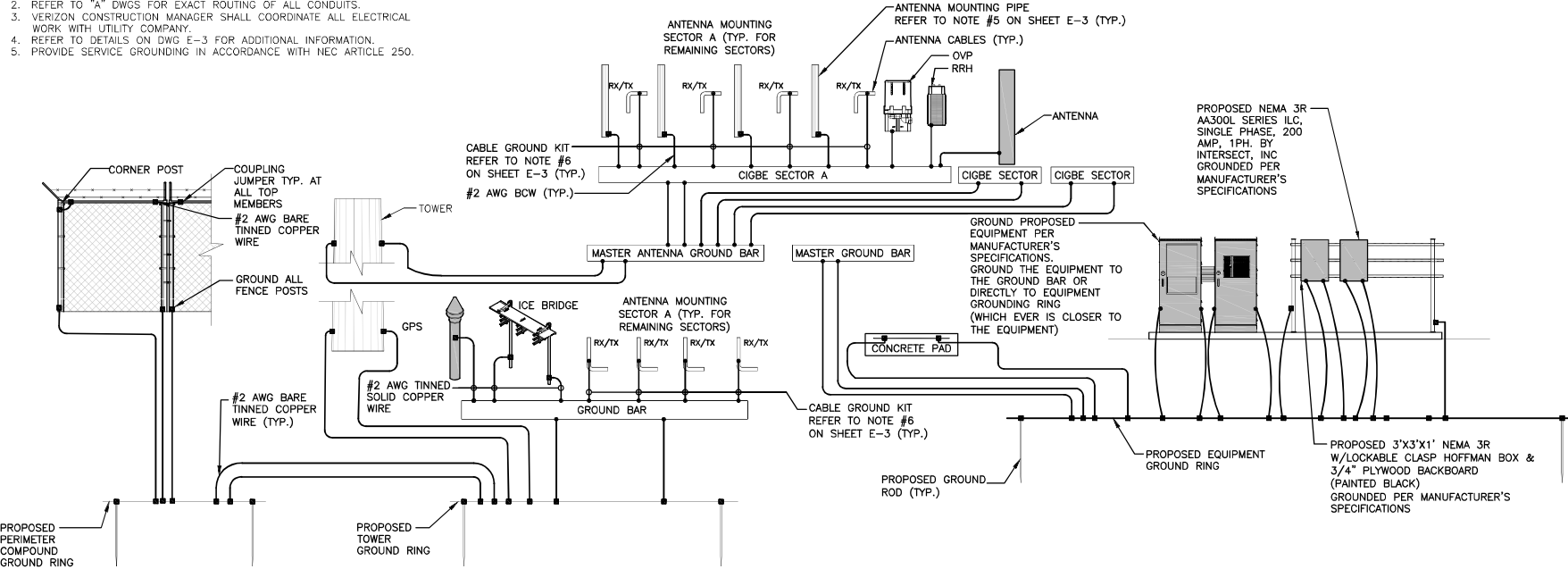
SHEET TITLE  
**ELECTRICAL NOTES & WIRING DIAGRAM**

SHEET NUMBER  
**E-1**



- NOTES:**
1. EXACT LOCATIONS OF ALL EQUIPMENT SHALL BE DETERMINED IN FIELD. ALL NEC CLEARANCE REQUIREMENTS SHALL BE MET.
  2. REFER TO "A" DWGS FOR EXACT ROUTING OF ALL CONDUITS.
  3. VERIZON CONSTRUCTION MANAGER SHALL COORDINATE ALL ELECTRICAL WORK WITH UTILITY COMPANY.
  4. REFER TO DETAILS ON DWG E-3 FOR ADDITIONAL INFORMATION.
  5. PROVIDE SERVICE GROUNDING IN ACCORDANCE WITH NEC ARTICLE 250.

**ELECTRICAL/TELCO ONE-LINE DIAGRAM** 1  
SCALE: N.T.S. E-2



**GROUNDING RISER DIAGRAM** 2  
SCALE: N.T.S. E-2

FOR CONSTRUCTION

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REV	DATE	DESCRIPTION	BY
2	12/16/21	REVISED TELCO ELEMENT PATH	SKJ
1	11/20/21	ADD ALL ACCESS, REV RET. WALL TYPE	SKJ
0	11/19/21	ISSUED FOR CONSTRUCTION	SKJ

SITE NAME:  
**PLATTSVILLE RELO CT**

SITE ADDRESS:  
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SHEET TITLE  
**ELECTRICAL ONE-LINE AND GROUNDING DIAGRAM**

SHEET NUMBER  
**E-2**



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**SUBMITTALS**

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1	11/20/21	ADD ALL ACCESS, REV RET. WALL TYPE	SKJ
0	11/19/21	ISSUED FOR CONSTRUCTION	SKJ

SITE NAME:  
**PLATTSVILLE  
RELO CT**

SITE ADDRESS:  
5151 PARK AVENUE  
FAIRFIELD, CT 06825

SHEET TITLE  
**GROUNDING PLAN**

SHEET NUMBER  
**E-3**

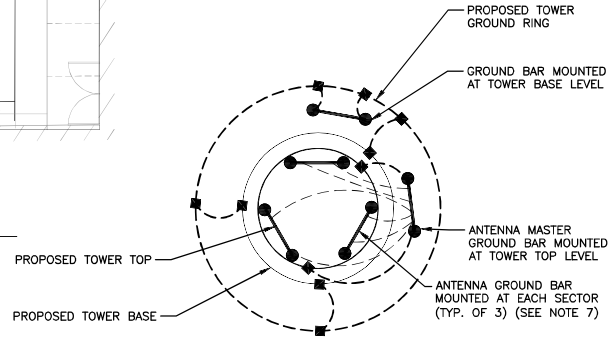
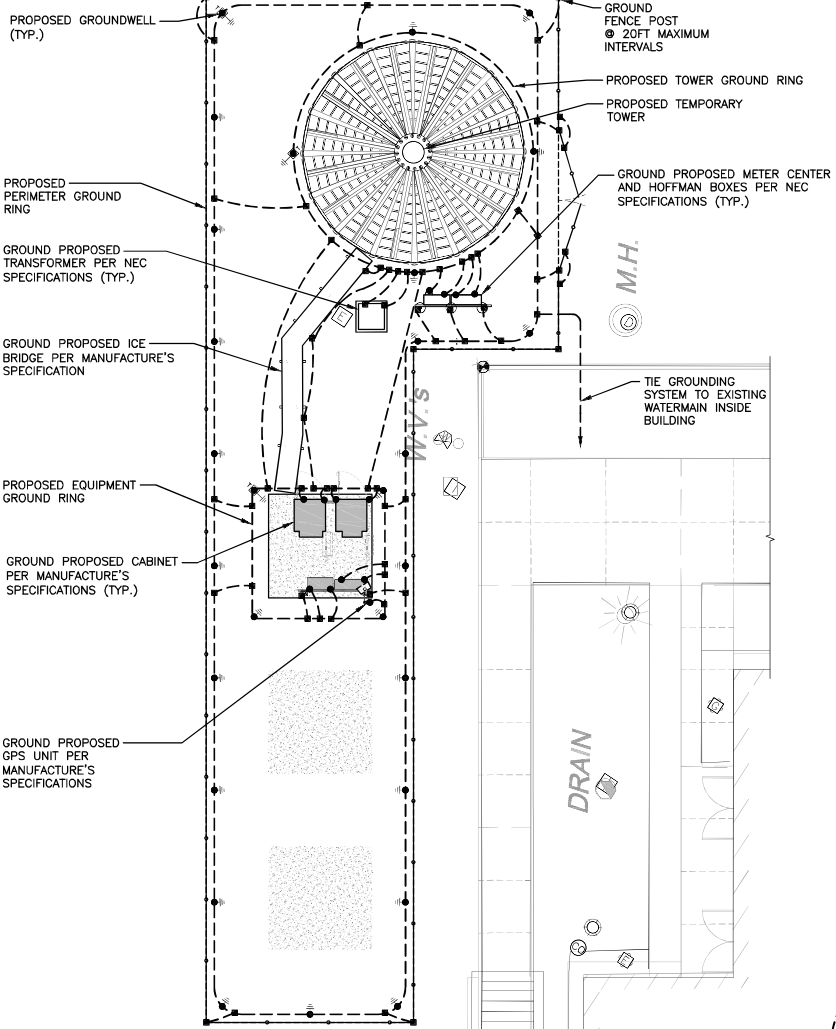
**FOR CONSTRUCTION**

**GROUNDING NOTES**

- ALL GROUND WIRE SHALL BE BARE COPPER #2 AWG UNLESS OTHERWISE NOTED.
- ALL GROUND WIRES SHALL PROVIDE A STRAIGHT, DOWNWARD PATH TO GROUND WITH GRADUAL BENDS AS REQUIRED. GROUND WIRES SHALL NOT BE LOOPED OR SHARPLY BENT.
- ELECTRICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF GROUND RODS AND GROUND RING WITH FOUNDATION AND UNDERGROUND CONDUIT.
- EACH EQUIPMENT CABINET SHALL BE CONNECTED TO THE MASTER ISOLATION GROUND BAR (MIGB) WITH #2 AWG INSULATED STRANDED COPPER WIRE. EQUIPMENT CABINETS SHALL EACH HAVE (2) CONNECTIONS.
- PROVIDE DEDICATED #2 AWG COPPER GROUND WIRE FROM EACH ANTENNA MOUNTING PIPE TO ASSOCIATED CIGBE (TYPICAL FOR FOUR MOUNTING PIPES PER SECTOR).
- ANTENNA GROUND KITS SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
- COORDINATE NEW LICENSEE GROUND SYSTEM WITH EXISTING SITE GROUND SYSTEM.
- EACH SECTION OF CABLE TRAY, ICE BRIDGE AND ICE SHIELD SHALL BE CONNECTED IN A FASHION TO PROVIDE A CONTINUOUS GROUND.
- AT ALL TERMINATIONS AT EQUIPMENT ENCLOSURES, PANELS AND FRAMES OF EQUIPMENT, AND WHERE EXPOSED FOR GROUNDING, CONDUCTOR TERMINATION SHALL BE PERFORMED UTILIZING TWO HOLE BOLTED TONGUE COMPRESSION TYPE WITH STAINLESS STEEL SELF-TAPPING SCREWS.
- ALL CLAMPS AND SUPPORTS USED TO SUPPORT THE GROUNDING SYSTEM CONDUCTORS AND PVC CONDUITS SHALL BE PVC TYPE (NON CONDUCTIVE). DO NOT USE METAL BRACKETS OR SUPPORTS WHICH WOULD FORM A COMPLETE RING AROUND ANY GROUNDING CONDUCTOR.
- ALL GROUNDING CONNECTIONS SHALL BE COATED WITH A COPPER SHIELD ANTI-CORROSIVE AGENT SUCH AS T&B KOPR SHIELD. VERIFY PRODUCT WITH LICENSEE PROJECT MANAGER.
- ALL BOLTS, WASHERS, AND NUTS USED ON GROUNDING CONNECTIONS SHALL BE STAINLESS STEEL.
- INSTALL GROUND BUSHINGS ON ALL METALLIC CONDUITS AND BOND TO THE EQUIPMENT GROUND BUS IN THE PANELBOARD.
- GROUND ANTENNA BASES, FRAMES, CABLE RACKS AND OTHER METALLIC COMPONENTS WITH #2 AWG GROUNDING CONDUCTORS AND CONNECT TO INSULATED SURFACE MOUNTED GROUND BARS. CONNECTION DETAILS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS FOR GROUNDING.
- GROUND COAXIAL SHIELD AT BOTH ENDS USING MANUFACTURER'S GUIDELINES.
- REINFORCEMENT IN EQUIPMENT SLAB TO BE WELDED AND REINFORCEMENT TO BE BONDED TO GROUNDING RING.
- CONCRETE-ENCASED ELECTRODES GREATER THAN 20 S.F. OF SURFACE AREA & 1/2" OR GREATER REINFORCING STEEL MUST BE BONDED TO THE GROUNDING RING PER NEC 250.50.
- ALL GROUND BARS SHALL BE GALVANIZED WITH ANTI-THEFT HARDWARE.

**GROUNDING LEGEND**

- COMPRESSION TYPE CONNECTION
- EXOTHERMIC
- ⊗ CHEMICAL ELECTROLYTIC GROUNDING SYSTEM
- ⊖ 5/8" X 10'-0" COPPER CLAD GROUND ROD
- ⊖⊖ TEST 5/8" X 10'-0" COPPER CLAD GROUND ROD WITH INSPECTION SLEEVE
- ⊖⊖ EXOTHERMIC WITH INSPECTION SLEEVE
- #2 SOLID TINNED COPPER WIRE UNLESS OTHERWISE NOTED GROUNDING CONDUCTOR
- GROUNDING BAR
- PIGTAIL GROUND CONDUCTOR

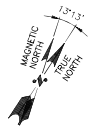


**GROUNDING PLAN**  
SCALE: N.T.S.

1  
E-3

**GROUNDING PLAN AT ANTENNA LEVEL**  
SCALE: N.T.S.

2  
E-3



FOR CONSTRUCTION

PREPARED FOR: CELCO PARTNERSHIP D.B.A.



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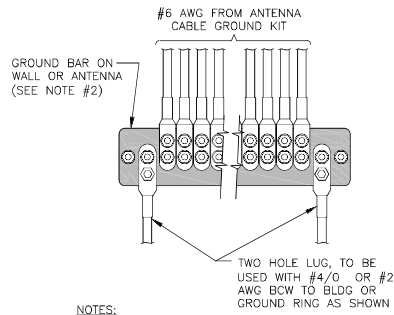
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1	11/20/21	ADD ALL ACCESS, REV. NET. WALL TYPE	SLK
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SITE NAME:  
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SHEET TITLE  
**GROUNDING DETAILS**

SHEET NUMBER  
**E-4**



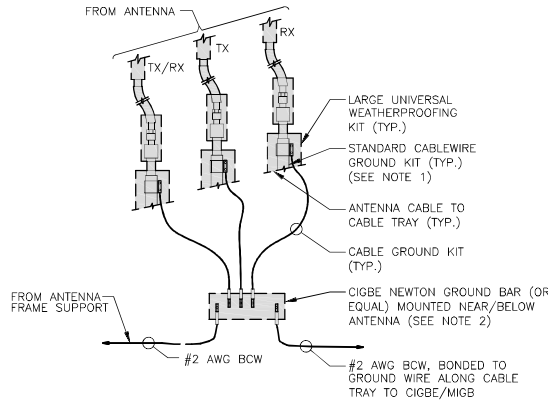
NOTES:

- CONTRACTOR TO UTILIZE KOPR-SHIELD (THOMAS & BETTS) ON ALL LUG CONNECTIONS.
- ALL GROUND BARS SHALL BE GALVANIZED WITH ANTI-THEFT HARDWARE.

**GROUNDING - STANDARD  
DETAIL INSTALLATION OF  
GROUNDWIRE TO GROUND BAR**

SCALE: N.T.S

1  
E-4



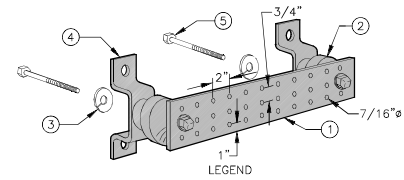
NOTES:

- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE.
- ALL GROUND BARS SHALL BE GALVANIZED WITH ANTI-THEFT HARDWARE.

**GROUNDING - STANDARD  
DETAIL CONNECTION OF GROUND WIRES  
TO GROUND BAR (CIGBE)**

SCALE: N.T.S

2  
E-4



- LEGEND
- GALVANIZED STEEL GROUND BAR, 1/4"x4"x20", OR OTHER LENGTH AS REQUIRED, HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
  - INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 OR EQUAL.
  - 5/8" LOCKWASHERS OR EQUAL.
  - WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-8056 OR EQUAL.
  - 5/8-11 x 1" H.H.C.S. BOLTS

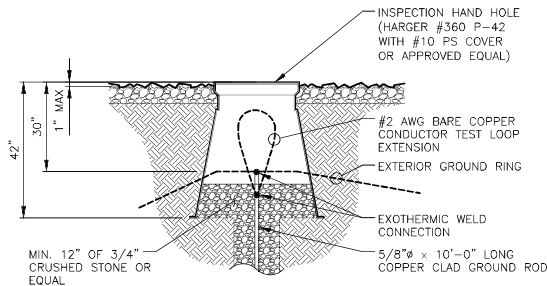
NOTES:

- ALL BOLTS, NUTS, WASHERS, AND LOCK WASHERS SHALL BE 18-8 STAINLESS STEEL.
- ALL GROUND BARS SHALL BE GALVANIZED WITH ANTI-THEFT HARDWARE.

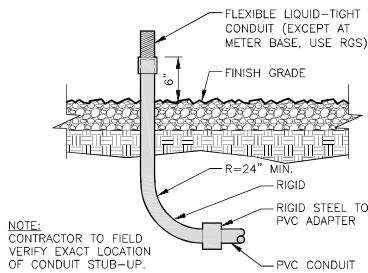
**GROUNDING - STANDARD  
DETAIL GROUND BAR**

SCALE: N.T.S

3  
E-4

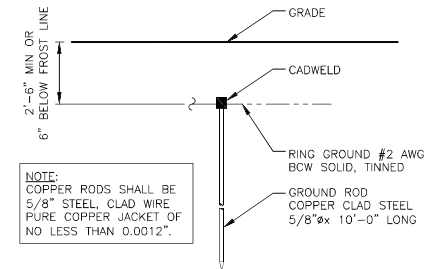


4  
E-4



NOTE:  
CONTRACTOR TO FIELD  
VERIFY EXACT LOCATION  
OF CONDUIT STUB-UP.

5  
E-4



NOTE:  
COPPER RODS SHALL BE  
5/8" STEEL, CLAD WIRE  
PURE COPPER JACKET OF  
NO LESS THAN 0.0012".

**TYPICAL GROUND ROD DETAIL**

SCALE: N.T.S

6  
E-4