OMNIPOINT COMMUNICATIONS INC

SITE NUMBER:

NY-10-497-D

SITE NAME:

BORCHERT ORCHARD

LOCATION MAP

SCALE: 1" = 2000'±

SITE DIRECTIONS

TAKE I-87 NORTH, GO 9 MILES. TAKE EXIT #13N PALISADES PARKWAY NORTH TOWARD BEAR MOUNTAIN, GO 16 MILES. PALISADES INTERSTATE PARKWAY BECOMES US-6 EAST, GO 2.5 MILES. MAKE SHARP LEFT ON US-9W NORTH, GO 11.2 MILES. TAKE RAMP TOWARD QUAKER AVENUE. TURN LEFT ONTO QUAKER AVENUE, GO .5 MILES. TURN RIGHT ONTO ROUTE-32, GO 3.8 MILES. THE SITE WILL BE ON YOUR RIGHT.

PROJECT DESCRIPTION

INSTALLATION OF THREE (3) EQUIPMENT CABINETS AT GRADE AND SIX (6) PANEL ANTENNAS ON A PROPOSED 120' MONOPOLE.

PROJECT SUMMARY

SITE NUMBER: NY-10-497-D
SITE NAME: BORCHERT ORCHARD
SITE ADDRESS: 111 WINDSOR HIGHWAY
NEW WINDSOR, NY 12553

COUNTY: ORANGE

PROPERTY OWNER: BORCHERT, ERNEST H ETAL
LIVING TRUST
278 LATTINTOWN RD.
MARLBORO, NY 12542

APPLICANT: OMNIPOINT COMMUNICATIONS INC.
4 SYLVAN WAY
PARSIPPANY, NJ 07054
PHONE: (973)292-4000

EQUIPMENT LOCATION: OUTDOOR ☒
INDOOR ☐

ANTENNA LOCATION: GUY TOWER ☐
SELF SUPPORT TWR ☐
EX. LATTICE TOWER ☐
MONOPOLE ☒
ROOF TOP ☐
WATERTANK ☐
SMOKE STACK ☐
EX. SILO ☐
EX. UTIL TOWER ☐

ENGINEER/ SURVEYOR/ STRUCTURAL ENG: TECTONIC ENGINEERING CONSULTANTS P.C.
1279 ROUTE 300
NEWBURGH, NY 12550
CONTACT: GREG LAHEY
PHONE: (845) 567-6656 EXT:109

SITE ACQUISITION: OMNIPOINT COMMUNICATIONS INC.
4 SYLVAN WAY
PARSIPPANY, NJ 07054
CONTACT: AARON MYL
PHONE: (845)536-2427

RF ENGINEER: OMNIPOINT COMMUNICATIONS INC.
4 SYLVAN WAY
PARSIPPANY, NJ 07054
CONTACT: RAJ MAKHIJA
PHONE: (973)292-4000

CONSTRUCTION MGR: OMNIPOINT COMMUNICATIONS INC.
4 SYLVAN WAY
PARSIPPANY,NJ 07054
CONTACT: RALPH CIRILLO
PHONE: (516) 643-1199

PROJECT INFORMATION

JURISDICTION:	TOWN OF NEW WINDSOR
DISTRICT:	C-DESIGN SHOPPING
SECTION, BLOCK, & LOT:	SECTION 9, BLOCK 1, LOT 26
QUADRANGLE MAP:	CORNWALL, NY
DECLINATION:	12 1/2°
LATITUDE: (NAD 27)	41° 28' 45.8"
LONGITUDE: (NAD 27)	74° 2' 9.2"

SHEET INDEX

SHEET NO	DESCRIPTION	REV NO	REVISION DATE
T-1	TITLE SHEET	5	04/25/08
C-1	PLOT PLAN, SETBACK MAP & BULK REQUIREMENTS	4	04/23/08
C-2	SITE PLAN	4	04/23/08
C-3	PROPERTY OWNERS LIST & SITE DETAIL PLAN	5	04/25/08
C-4	ELEVATION & DETAILS	6	06/20/08

THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL ITEMS OF CONCERN HAVE BEEN ADDRESSED AND EACH OF THE DRAWINGS HAS BEEN REVISED AND ISSUED "FOR CONSTRUCTION".

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STATE OF NEW YORK · EDWARD JOSEPH GRAY · No. 073455 · LICENSED PROFESSIONAL ENGINEER

TECTONIC
• PLANNING • ENGINEERING • SURVEYING • CONSTRUCTION MANAGEMENT

TECTONIC Engineering & Surveying Consultants P.C.
1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-6656
Fax: (845) 567-8703
www.tectonicengineering.com

OMNIPOINT COMMUNICATIONS INC
OMNIPOINT COMMUNICATIONS INC.
4 SYLVAN WAY
PARSIPPANY, NJ 07054
PHONE: (973) 292-4000

APPROVALS

OMNIPOINT
LANDLORD
RF
CONSTRUCTION

PROJECT NUMBER: 2356.10497D
DESIGNED BY: DC

NO.	DATE	ISSUE	DRAWN BY
0	6/8/06	FOR COMMENT	DC
1	6/22/06	FOR APPROVAL	DC
2	2/15/07	FOR APPROVAL	MG
3	4/18/08	PER COMMENTS	MV
4	4/23/08	PER COMMENTS	MV
5	4/25/08	UPDATED ADJOINERS	MV
6	6/20/08	REV ANTENNA HEIGHT	MV

ISSUED BY | DATE

0 1 2 3
ORIGINAL SIZE IN INCHES

SITE INFORMATION

NY-10-497-D
BORCHERT ORCHARD
111 WINDSOR HIGHWAY
NEW WINDSOR,
NY 12553

SHEET TITLE

TITLE SHEET

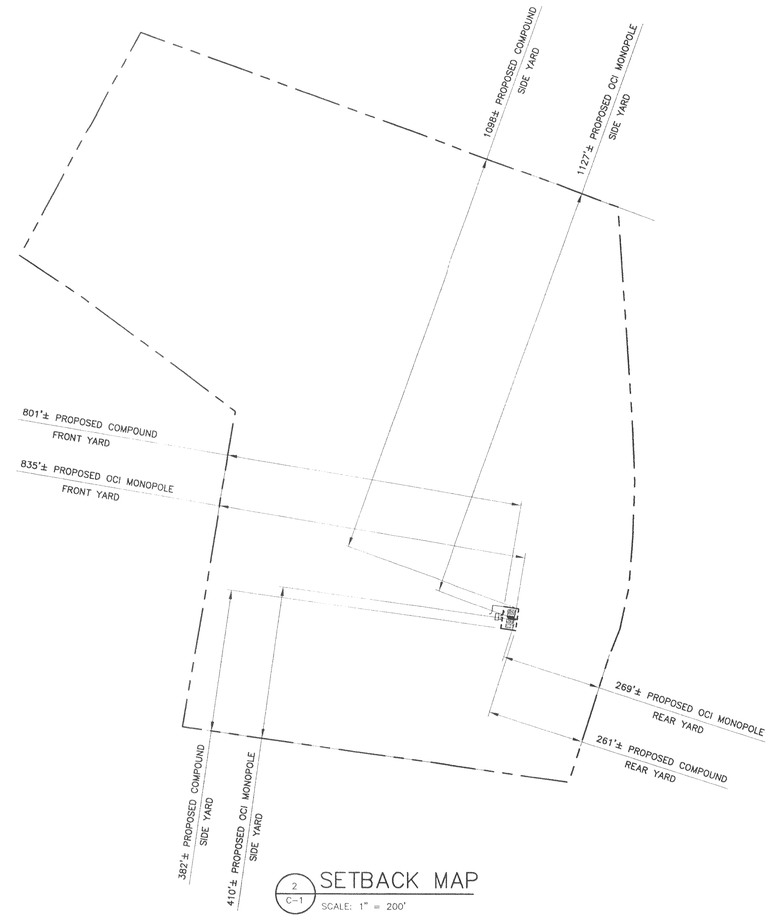
SHEET NUMBER

T-1

09-01

NOTE: ORCHARD TREES DRAWN MINIMAL FOR CLARITY.

1 / C-1 PLOT PLAN
SCALE: 1" = 200'



2 / C-1 SETBACK MAP
SCALE: 1" = 200'

BULK REQUIREMENTS

TOWN OF NEW WINDSOR
ZONING DISTRICT: C-DESIGN SHOPPING

	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT SIZE			
AREA:	10 ACRES	49.0 ACRES	NO CHANGE
WIDTH:	300 FT	640 FT±	NO CHANGE
FRONTAGE:	100 FT	1734 FT±	NO CHANGE
MINIMUM YARDS (COMPOUND)			
FRONT:	100 FT	N/A	801 FT±
SIDE:	100 FT	N/A	382 FT±
TOTAL SIDE YARDS:	200 FT	N/A	1480 FT±
REAR:	100 FT	N/A	261 FT±
MINIMUM YARDS (MONOPOLE)[1]			
FRONT:	60 FT	N/A	835 FT±
SIDE:	60 FT	N/A	410 FT±
TOTAL SIDE YARDS:	120 FT	N/A	1537 FT±
REAR:	60 FT	N/A	269 FT±
MAXIMUM BUILDING HEIGHT:	18'-0"	N/A	120'-0"± *
MAXIMUM DEVELOPMENTAL COVERAGE:	20%	N/A	.11%

* - NON-CONFORMING
1 - TELECOMMUNICATIONS TOWERS SHALL BE LOCATED WITH A MINIMUM SETBACK FROM ANY PROPERTY LINE EQUAL TO 1/2 OF THE HEIGHT OF THE TOWER.

LEGEND

	PROPERTY LINE
	ADJACENT PROPERTY LINE
	500' RADIUS
	ZONING BOUNDARY
	PROPOSED WOOD FENCE
	EXIST CHAINLINK FENCE
	SETBACK ENVELOPE
	EXIST ROAD
	EXIST TREELINE
OHW	EXIST OVERHEAD WIRE
	PROPOSED U/G UTILITIES
ZONE: C	ZONE DISTRICT

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ORIGINAL SIZE IN INCHES

SITE INFORMATION

NY-10-497-D
BORCHERT ORCHARD
111 WINDSOR HIGHWAY
NEW WINDSOR,
NY 12553

SHEET TITLE

PLOT PLAN, SETBACK MAP & BULK REQUIREMENTS

SHEET NUMBER

C-1

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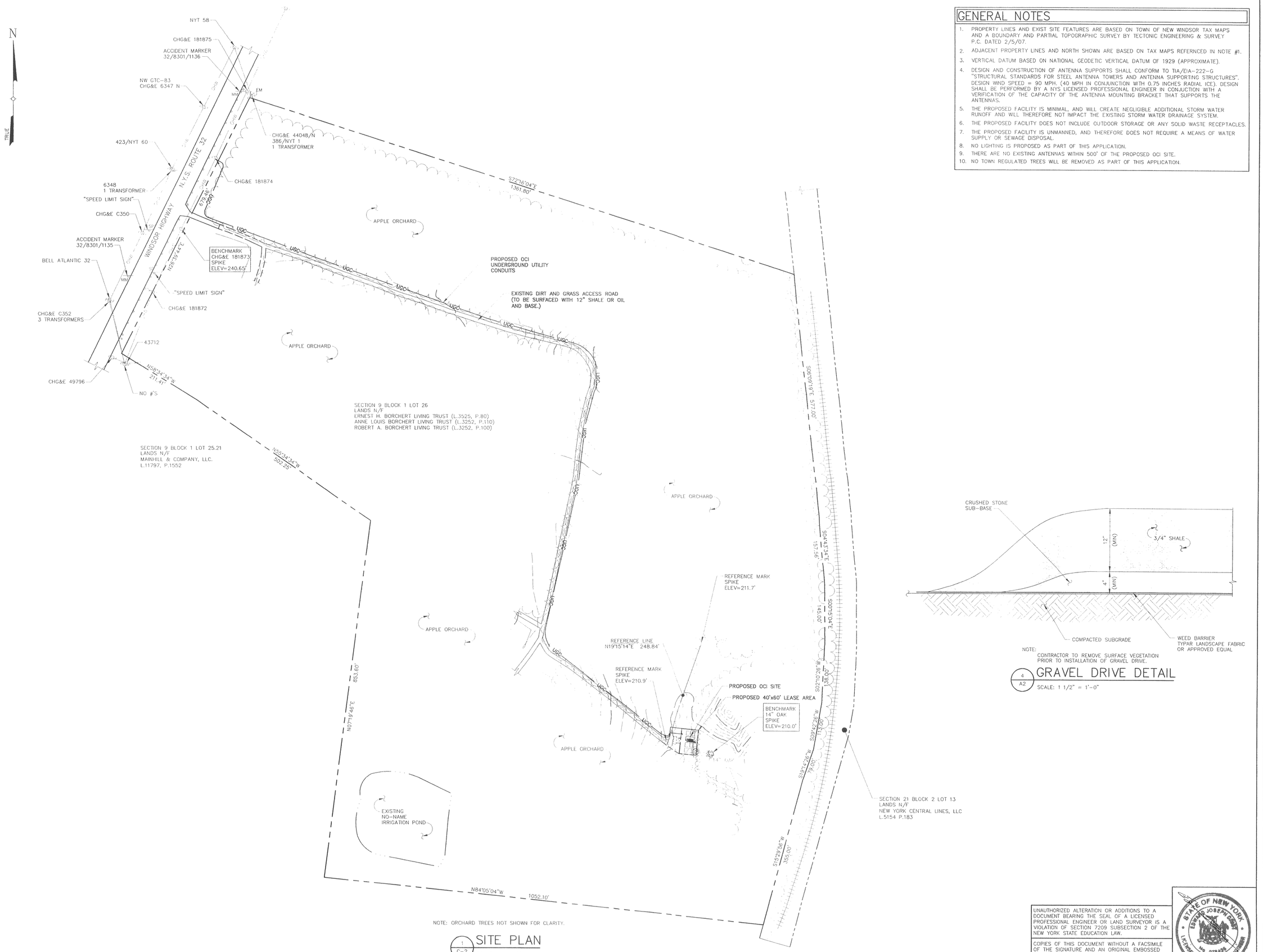
STATE OF NEW YORK
EDWARD JOSEPH MURPHY
No. 078439
LICENSED PROFESSIONAL ENGINEER



NOTE: ORCHARD TREES NOT SHOWN FOR CLARITY.

1 / C-2 SITE PLAN
SCALE: 1" = 100'

GENERAL NOTES

1. PROPERTY LINES AND EXIST SITE FEATURES ARE BASED ON TOWN OF NEW WINDSOR TAX MAPS AND A BOUNDARY AND PARTIAL TOPOGRAPHIC SURVEY BY TECTONIC ENGINEERING & SURVEY P.C. DATED 2/5/07.
2. ADJACENT PROPERTY LINES AND NORTH SHOWN ARE BASED ON TAX MAPS REFERNCED IN NOTE #1.
3. VERTICAL DATUM BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (APPROXIMATE).
4. DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO TIA/EIA-222-G "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES". DESIGN WIND SPEED = 90 MPH. (40 MPH IN CONJUNCTION WITH 0.75 INCHES RADIAL ICE). DESIGN SHALL BE PERFORMED BY A NYS LICENSED PROFESSIONAL ENGINEER IN CONJUCTION WITH A VERIFICATION OF THE CAPACITY OF THE ANTENNA MOUNTING BRACKET THAT SUPPORTS THE ANTENNAS.
5. THE PROPOSED FACILITY IS MINIMAL, AND WILL CREATE NEGLIGIBLE ADDITIONAL STORM WATER RUNOFF AND WILL THEREFORE NOT IMPACT THE EXISTING STORM WATER DRAINAGE SYSTEM.
6. THE PROPOSED FACILITY DOES NOT INCLUDE OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES.
7. THE PROPOSED FACILITY IS UNMANNED, AND THEREFORE DOES NOT REQUIRE A MEANS OF WATER SUPPLY OR SEWAGE DISPOSAL.
8. NO LIGHTING IS PROPOSED AS PART OF THIS APPLICATION.
9. THERE ARE NO EXISTING ANTENNAS WITHIN 500' OF THE PROPOSED OCI SITE.
10. NO TOWN REGULATED TREES WILL BE REMOVED AS PART OF THIS APPLICATION.

NOTE:
CONTRACTOR TO REMOVE SURFACE VEGETATION PRIOR TO INSTALLATION OF GRAVEL DRIVE.

4 / A2 GRAVEL DRIVE DETAIL
SCALE: 1 1/2" = 1'-0"

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STATE OF NEW YORK
EDWARD JOSEPH GRAY
No. 078495
LICENSED PROFESSIONAL ENGINEER

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APPROVALS

OMNIPOINT _____

LANDLORD _____

RF _____

CONSTRUCTION _____

PROJECT NUMBER	DESIGNED BY
2356.10497D	DC

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ISSUED BY | DATE

0 1 2 3
ORIGINAL SIZE IN INCHES

SITE INFORMATION

NY-10-497-D
BORCHERT ORCHARD
111 WINDSOR HIGHWAY
NEW WINDSOR,
NY 12553

SHEET TITLE

SITE PLAN

SHEET NUMBER

C-2

LIST OF PROPERTY OWNERS WITHIN 500 FEET

TOWN OF NEW WINDSOR

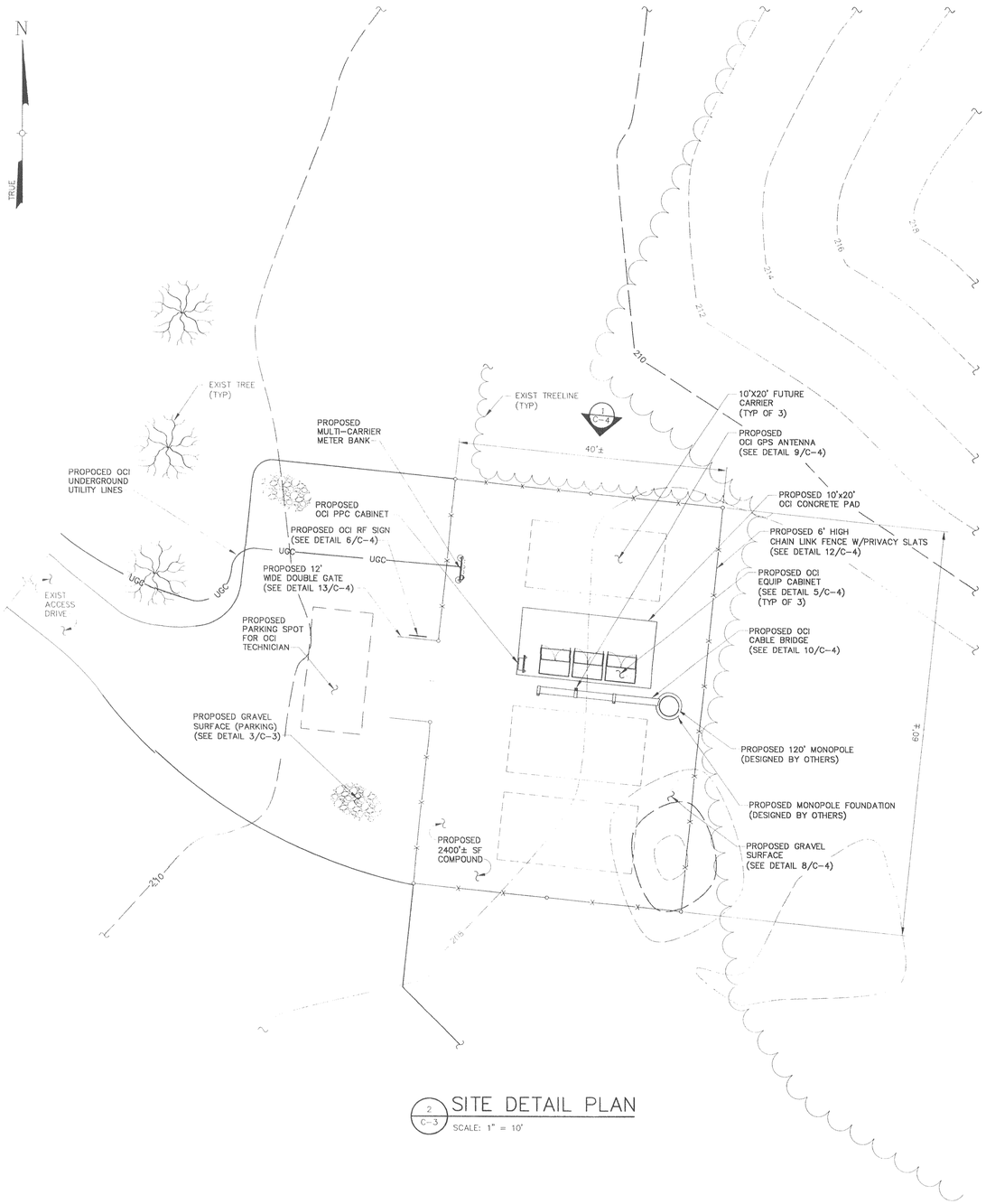
MAP	BLOCK	LOT	PROPERTY OWNER	ADDRESS
9	1	26	BORCHERT, WILLIAM	278 LATTINTOWN RD. MARLBORO, NY 12542
9	1	13	ROMAN CATHOLIC CHURCH OF SAINT JOSEPH	6 ST. JOSEPH PL. NEW WINDSOR, NY 12553
9	1	14	ROMAN CATHOLIC CHURCH OF SAINT JOSEPH	6 ST. JOSEPH PL. NEW WINDSOR, NY 12553
9	1	15.1	DENHOFF DEVELOPMENT CORP. ATT: MIKE L. DENHOFF	1333A NORTH AVE., PMB 245 NEW ROCHELLE, NY 10804
9	1	15.2	TBS CONSULTING LLC.	124 WINDSOR HIGHWAY NEW WINDSOR, NY 12553
9	1	16	STRACK, BEVERLY A.	114 WINDSOR HIGHWAY NEW WINDSOR, NY 12553
9	1	17	DeCROSTA REGINA TRUSTEE DeCROSTA LIVING TRUST	108 WINDSOR HIGHWAY NEW WINDSOR, NY 12553
9	1	18	THE CASCIARO BROTHERS REALTY CO.	P.O. BOX 3967 KINGSTON, NY 12402
9	1	27	DEVITT, ROBERT	334 ANGOLA RD. CORNWALL, NY 12518
9	1	28	DEVITT, JOHN L.	56 DEVITT CIR. NEW WINDSOR, NY 12553
9	1	29	DEVITT, JOHN L.	56 DEVITT CIR. NEW WINDSOR, NY 12553
9	1	31	ORSINI, MARIO & MARION	103 WINDSOR HIGHWAY NEW WINDSOR, NY 12553
9	1	32	DEVITT, JOHN L.	56 DEVITT CIR. NEW WINDSOR, NY 12553
9	1	33	DEVITT, JOHN L.	56 DEVITT CIR. NEW WINDSOR, NY 12553
9	1	24	NEW WINDSOR REALTY GROUP LLC.	87 TACT AVE. NEWBURGH, NY 12550
9	1	25.21	MAINHILL & COMPANY LLC.	P.O. BOX 44 SALISBURY MILLS, NY 12577
9	1	25.3	REDL, HERBERT H.	STE. 310 80 WASHINGTON ST. POUGHKEEPSIE, NY 12601
9	1	25.5	WILLIAMS, BRUCE I. & JOHANNA	268 UNION AVE. NEW WINDSOR, NY 12553
9	1	110	MASONIC FELLOWSHIP OF NEWBURGH INC.	48 GRAND STREET NEWBURGH, NY 12550
9	1	111	RT. 32 NEW WINDSOR LLC.	385 LAKESIDE RD. NEWBURGH, NY 12550
18	3	1	DEVANEY, JOHN A. JR. & DECAPITE MARIA G.	24 HICKORY AVE. NEW WINDSOR, NY 12553
18	3	2	EARLY, BETTY JEAN	23 LOCUST AVE. NEW WINDSOR, NY 12553
18	3	3	RUSCITTI, NICHOLAS J.	21 LOCUST AVE. NEW WINDSOR, NY 12553
18	3	4	DALEY, WILLIAM P.	19 LOCUST AVE. NEW WINDSOR, NY 12553
18	3	25	DAYTON, JULIA	19 LOCUST AVE. NEW WINDSOR, NY 12553
18	3	26	BEREAN, TERRANCE J.	22 HICKORY AVE. NEW WINDSOR, NY 12553
18	3	27	DEVANEY, JOHN A. JR. & DECAPITE MARIA G.	24 HICKORY AVE. NEW WINDSOR, NY 12553
21	1	1	CORSETTI, PATRICIA A.	7 FRANKLIN AVE. NEW WINDSOR, NY 12553
21	1	2	TERRIZZI, JOHN M. & JOSEPH & MICHELE & GIOVANNA	P.O. BOX 4735 NEW WINDSOR, NY 12553
21	1	3	HEFFRON, WILLIAM J. & ELOISE O.	3 FRANKLIN AVE. NEW WINDSOR, NY 12553
21	1	4	WHITE, JOSEPH P. & DOLORES	1 FRANKLIN AVE. NEW WINDSOR, NY 12553
21	1	5	HUTSON, BRENDA	264 UNION AVE. NEW WINDSOR, NY 12553

LIST OF PROPERTY OWNERS WITHIN 500 FEET

TOWN OF NEW WINDSOR

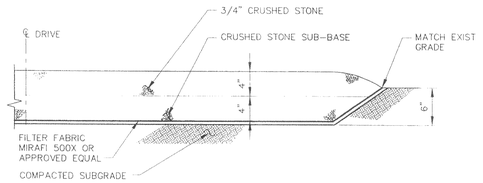
MAP	BLOCK	LOT	PROPERTY OWNER	ADDRESS
21	2	12	TORPEY, PATRICK J.	200 UNION AVE. NEW WINDSOR, NY 12553
21	2	13	NY CENTRAL LINES ATTN: CSX	500 WATER ST. (J-910) JACKSONVILLE, FL 32202
21	2	14	TOWN OF NEW WINDSOR	555 UNION AVE. NEW WINDSOR, NY 12553
21	2	15.1	MARADAY, JOSEPH C. & EDITH R.	2 ROSEMARY LANE NEW WINDSOR, NY 12553
21	2	15.31	TRABUCCO, REMO & PACIFICA	4 ROSEMARY LANE NEW WINDSOR, NY 12553
21	2	15.2	RIZZUTO, JOHN JR.	6 ROSEMARY LANE NEW WINDSOR, NY 12553
21	2	15.4	PEREL, MANVAL & EMILIA	3 ROSEMARY LANE NEW WINDSOR, NY 12553
21	2	15.321	DeSTEFANO, CHRISTINE	5 ROSEMARY LANE NEW WINDSOR, NY 12553
21	2	15.322	DAVIS, LEONIDAS	7 ROSEMARY LANE NEW WINDSOR, NY 12553
21	2	16	SLYNE, DONALD J.	6 FRANKLIN AVE. NEW WINDSOR, NY 12553
21	2	21	FOUNDAS, PETER & ANGELIKI	9 ROSEMARY LANE NEW WINDSOR, NY 12553
21	2	17	MAESTRINI, MARIA	1309 BROWNS MILL CT. HERNDON, VA 21070
21	2	18	GRILLO, SALVATORE & MARIA	256 UNION AVE. NEW WINDSOR, NY 12553
21	2	19	RIZZUTO, FRANK	250 UNION AVE. NEW WINDSOR, NY 12553
21	2	20	THOMAZ, CELIO N. & TANIA	254 UNION AVE. NEW WINDSOR, NY 12553
21	2	1	BORTH, ADAM R.	220 MACARTHUR AVE. NEW WINDSOR, NY 12553
21	2	2	BOZZONE, LOUIS P. ATTN: COMM OFFSET PRINTER	222 MACARTHUR AVE. NEW WINDSOR, NY 12553
21	2	3	SPILLSOURCE, INC	P.O. BOX 232 PEEKSKILL, NY 10566
21	2	4	SMITH, MARIE V.	226 MACARTHUR AVE. NEW WINDSOR, NY 12553
21	2	5	NEW WINDSOR NY PROPERTY LLC.	228 MACARTHUR AVE. NEW WINDSOR, NY 12553
21	2	6	NEW WINDSOR NY PROPERTY LLC.	228 MACARTHUR AVE. NEW WINDSOR, NY 12553
21	2	7	AEI ORANGE REALTY CORP. ATTN: APA TRANSPORT CORP.	2100 88TH ST. NORTH BERGEN, NJ 07047
21	2	9.1	TORPEY, PATRICK J.	200 UNION AVE. NEW WINDSOR, NY 12553
21	3	16.1	ANDERSON, GLENN P. & KATHY A.	16 WOODLAWN AVE. NEW WINDSOR, NY 12553
21	3	16.2	ALFIDI, BONNIE	14 WOODLAWN AVE. NEW WINDSOR, NY 12553
21	3	17.1	PORTER, WAYNE M.	219 MACARTHUR AVE. NEW WINDSOR, NY 12553
21	3	17.2	ROMANIK, JO-ANN	18 WOODLAWN AVE. NEW WINDSOR, NY 12553
21	3	1	BELTEMPO, JOSEPH I. & JOSEPHINE E.	74 JUDSON RD. MONTGOMERY, NY 12549
21	3	2	HOLMES, JOHN E.	19 HICKORY AVE. NEW WINDSOR, NY 12553
21	3	3	CARTER, SUSAN ANN	17 HICKORY AVE. NEW WINDSOR, NY 12553
21	4	12	JACZKO, JOHN A. JR.	186 UNION AVE. NEW WINDSOR, NY 12553
21	4	13	JACZKO, JOHN A. JR.	186 UNION AVE. NEW WINDSOR, NY 12553
21	4	14	PEREZ, JACQUELINE & RODRIGUEZ ANDRES A.	184 UNION AVE. NEW WINDSOR, NY 12553
21	4	15	JACARUSO, MARJORIE	180 UNION AVE. NEW WINDSOR, NY 12553
21	4	8	DAMARIO, CARMINE	13 OAK RIDGE DR. NEW WINDSOR, NY 12553
21	4	9	POST REV LYNNE STARR	231 MACARTHUR AVE. NEW WINDSOR, NY 12553
21	4	11	BRINEY, CHARLES J. & MARY ANN	233 MACARTHUR AVE. NEW WINDSOR, NY 12553
21	4	1	BRITNEY, JAMES & MARGARET	15 WOODLAWN AVE. NEW WINDSOR, NY 12553
21	4	2	SMITH, MARTIN & GREENE, MARIANNE	13 WOODLAWN AVE. NEW WINDSOR, NY 12553
21	4	3	FASANO, JOHN & FRANCES L.	11 WOODLAWN AVE. NEW WINDSOR, NY 12553
21	4	4	MARTINEZ, STEPHANIE & JAMES	9 WOODLAWN AVE. NEW WINDSOR, NY 12553
22	1	2	MYHEO CORPORATION	P.O. BOX 1150 NEWBURGH, NY 12550
22	1	1.1	CONGREGATION AGUDAS	290 NORTH ST. NEWBURGH, NY 12550
22	1	3	CONGREGATION AGUDAS 290 NORTH ST. 12550	290 NORTH ST. NEWBURGH, NY 12550

NOTE: LIST OF PROPERTY OWNERS OBTAINED BY TECTONIC ENGINEERING & SURVEY P.C. ON APRIL 24, 2008 FROM THE TOWN OF NEW WINDSOR.



2 C-3 SITE DETAIL PLAN

SCALE: 1" = 10'



NOTE: DETAIL INTENDED FOR PARKING AREA. DETAIL DIFFERS FROM THAT OF THE INTERIOR COMPOUND. (SEE DETAIL 8/C-4)

3 C-3 GRAVEL SURFACE (PARKING)

SCALE: 1" = 1'-0"

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LANDLORD

RF

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ORIGINAL SIZE IN INCHES

SITE INFORMATION

NY-10-497-D
BORCHERT ORCHARD
111 WINDSOR HIGHWAY
NEW WINDSOR,
NY 12553

SHEET TITLE

PROPERTY OWNERS LIST & SITE DETAIL PLAN

SHEET NUMBER

C-3

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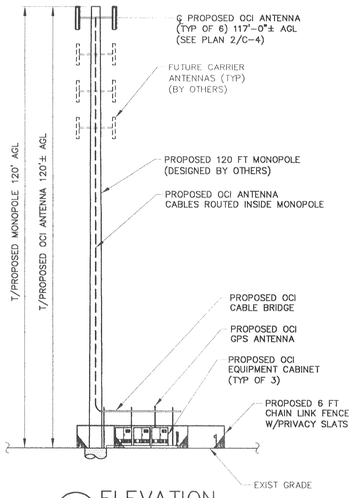
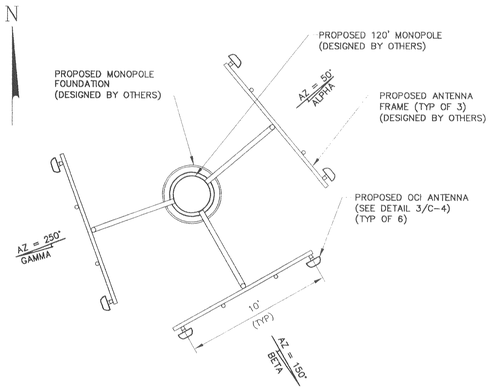
STATE OF NEW YORK
EDWARD JOSEPH GRASSI
No. 075456
LICENSED PROFESSIONAL ENGINEER



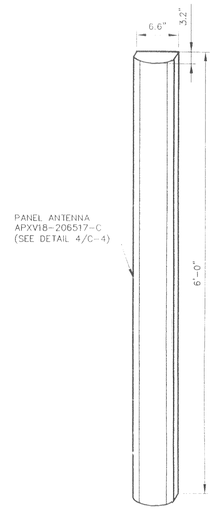
1 C-4 ELEVATION

SCALE: 1" = 20'



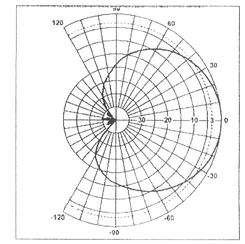
2 C-4 ANTENNA MOUNTING PLAN

SCALE: 1" = 5'



3 C-4 ANTENNA DETAIL

SCALE: 1" = 1'-0"



4 C-4 ANTENNA PATTERNS

SCALE: NTS

EQUIPMENT SPECIFICATION TABLE

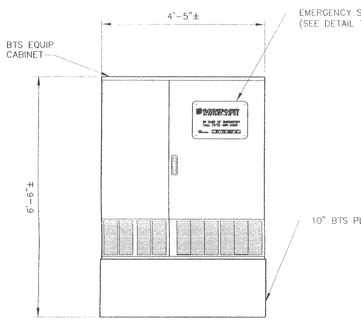
MANUFACTURE MODEL #		NORTEL S18000
FREQUENCY RANGE		GSM 900/850/1800/1900 MHz GSM DUAL-BAND UMTS 2100/1900 MHz UMTS DUAL-BAND (FUTURE)
RECEIVE SENSITIVITY		GSM: -110 dBm (WITHOUT DIVERSITY; -115 dBm GUARANTEED (/DIVERSITY; WITHOUT TMA) UMTS: -122.7 dBm (WITHOUT DIVERSITY) AS DEFINED BY 3GPP 20.104; -125.7 dBm (WITH DIVERSITY)
HEIGHT		59.1 IN.
WIDTH		53.2 IN.
DEPTH		29.96 IN.
WEIGHT	EMPTY CABINET FULLY EQUIPPED	422 LB 1113 LB
CAPACITY		18 GSM TRX PER RADIO CABINET, UP TO 3 RADIO CABINETS 9 GSM TRX AND STSR-2 UMTS PER CABINET
AMPLIFIER OUTPUT POWER	STANDARD	GSM: 30W-40W GMSK/30W-40W 8-PSK EDGE, UMTS: 30 OR 45W MCPA
	OPTIONAL	GSM: 60W GMSK/45W 8-PSK EDGE
TRANSMISSION COUPLING		GSM: DUPLEXERS, Tx FILTER, HYBRID COUPLING UMTS: DUPLEXERS
POWER SUPPLY	NOMINAL	SINGLE, SINGLE SPLIT OR TRI-PHASE 230V (50/60Hz) AC, -48V DC (FUTURE) INTEGRATED BATTERY BACKUP OPTIONAL ANCILLARY BATTERY CABINET
OPERATIONAL TEMPERATURE RANGE		-40°C TO +50C, -40°F TO +122°F
BACKHAUL		GSM: STANDARD: 6E1/T1 LINKS, OPTIONAL: 8 E1/T1 LINKS DUAL MODE: GSM 4 E1/T1-UMTS: 8 E1/T1

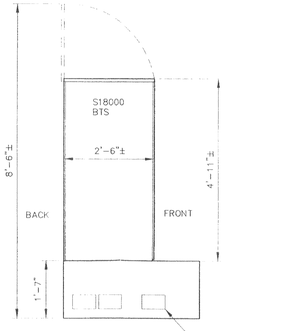
ANTENNA DATA

SECTOR	MODEL NO.	NUMBER	AZIMUTH
ALPHA	APXV18-206517-C	2	50°
BETA	APXV18-206517-C	2	150°
GAMMA	APX18V-206517-C	2	250°

APXV18-206517-C

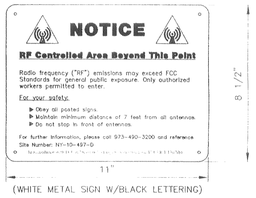
HEIGHT	72"	AZIMUTH BEAMWIDTH	63°
WIDTH	6.8"	ELEVATION BEAMWIDTH	4.6°
DEPTH	3.2"	GAIN	18.8 dBi
WEIGHT	26.4 LBS	POLARIZATION	DUALPOL ± 45°
WIND AREA (C X A)	4.7 SF	ELECTRICAL DOWNTILT	0-10°
FRONT WIND LOAD @ 100 MPH	125 LBS	FRONT-TO-BACK RATIO	> 30 dB
SIDE WIND LOAD @ 100 MPH	43 LBS	VSWR	< 1.5:1
RATED WIND VELOCITY	100 MPH	POWER HANDLING	300 WATTS CW
		PASSIVE INTERMODULATION	<-147 dBc
		LIGHTNING PROTECTION	DIRECT GROUND





5 C-4 EQUIPMENT DETAIL

SCALE: 1/2" = 1'-0"



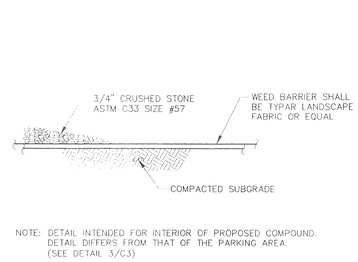
(WHITE METAL SIGN W/BLACK LETTERING)

6 C-4 RF NOTICE SIGN

SCALE: 3" = 1'-0"

7 C-4 EMERGENCY SIGN

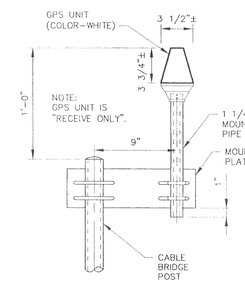
SCALE: 3" = 1'-0"



NOTE: DETAIL INTENDED FOR INTERIOR OF PROPOSED COMPOUND. DETAIL DIFFERS FROM THAT OF THE PARKING AREA. (SEE DETAIL 3/C3)

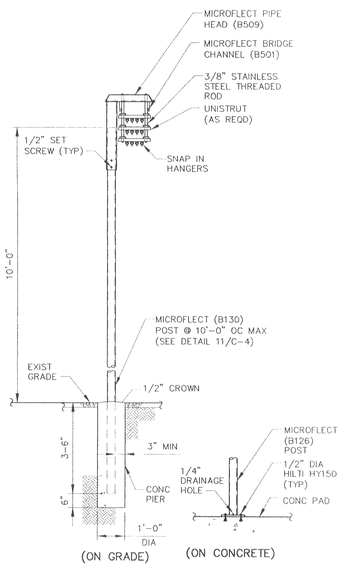
8 C-4 GRAVEL SURFACING DETAIL

SCALE: 1 1/2" = 1'-0"



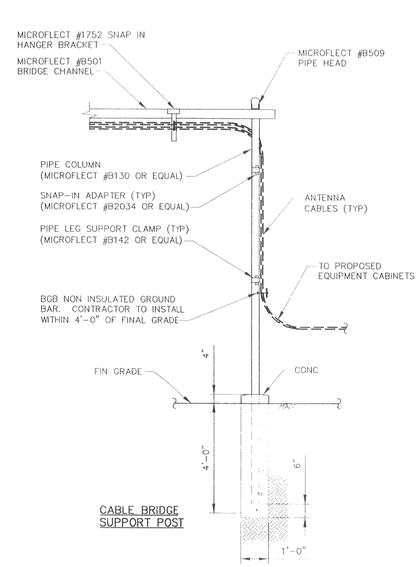
9 C-4 GPS UNIT DETAIL

SCALE: 1 1/2" = 1'-0"



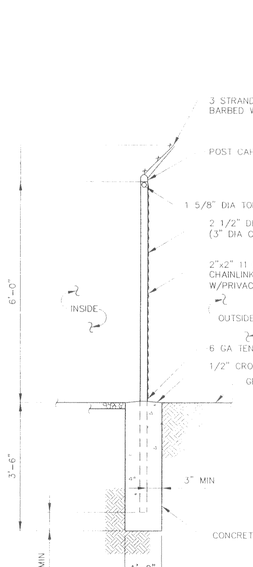
10 C-4 CABLE BRIDGE (TYP)

SCALE: 3/8" = 1'-0"



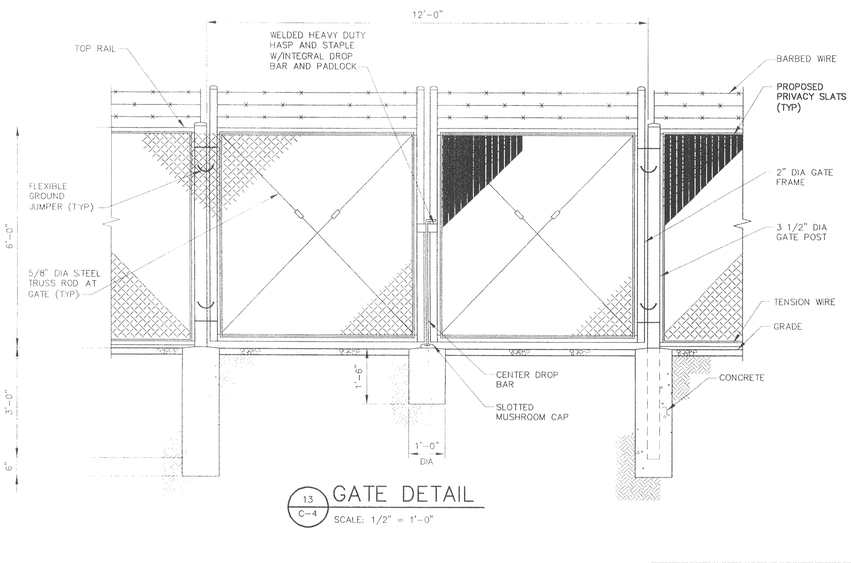
11 C-4 DETAIL

SCALE: 3/8" = 1'-0"



12 C-4 FENCE DETAIL

SCALE: 1/2" = 1'-0"



13 C-4 GATE DETAIL

SCALE: 1/2" = 1'-0"

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4 SYLVAN WAY
PARSIPPANY, NJ 07054

APPROVALS

OMNIPOINT .....

LANDLORD .....

RF .....

CONSTRUCTION .....

PROJECT NUMBER	DESIGNED BY
2356.10497D	DC

NO.	DATE	ISSUE	DRAWN BY
0	6/8/06	FOR COMMENT	DC
1	6/22/06	FOR APPROVAL	DC
2	2/15/07	FOR APPROVAL	MG
3	4/18/08	PER COMMENTS	MV
4	4/23/08	PER COMMENTS	MV
5	4/25/08	UPDATED ADJOINERS	MV
6	6/20/08	REV ANTENNA HEIGHT	MV

ISSUED BY | DATE

0 1 2 3
ORIGINAL SIZE IN INCHES

SITE INFORMATION

NY-10-497-D
BORCHERT ORCHARD
111 WINDSOR HIGHWAY
NEW WINDSOR,
NY 12553

SHEET TITLE

ELEVATION & DETAILS

SHEET NUMBER

C-4