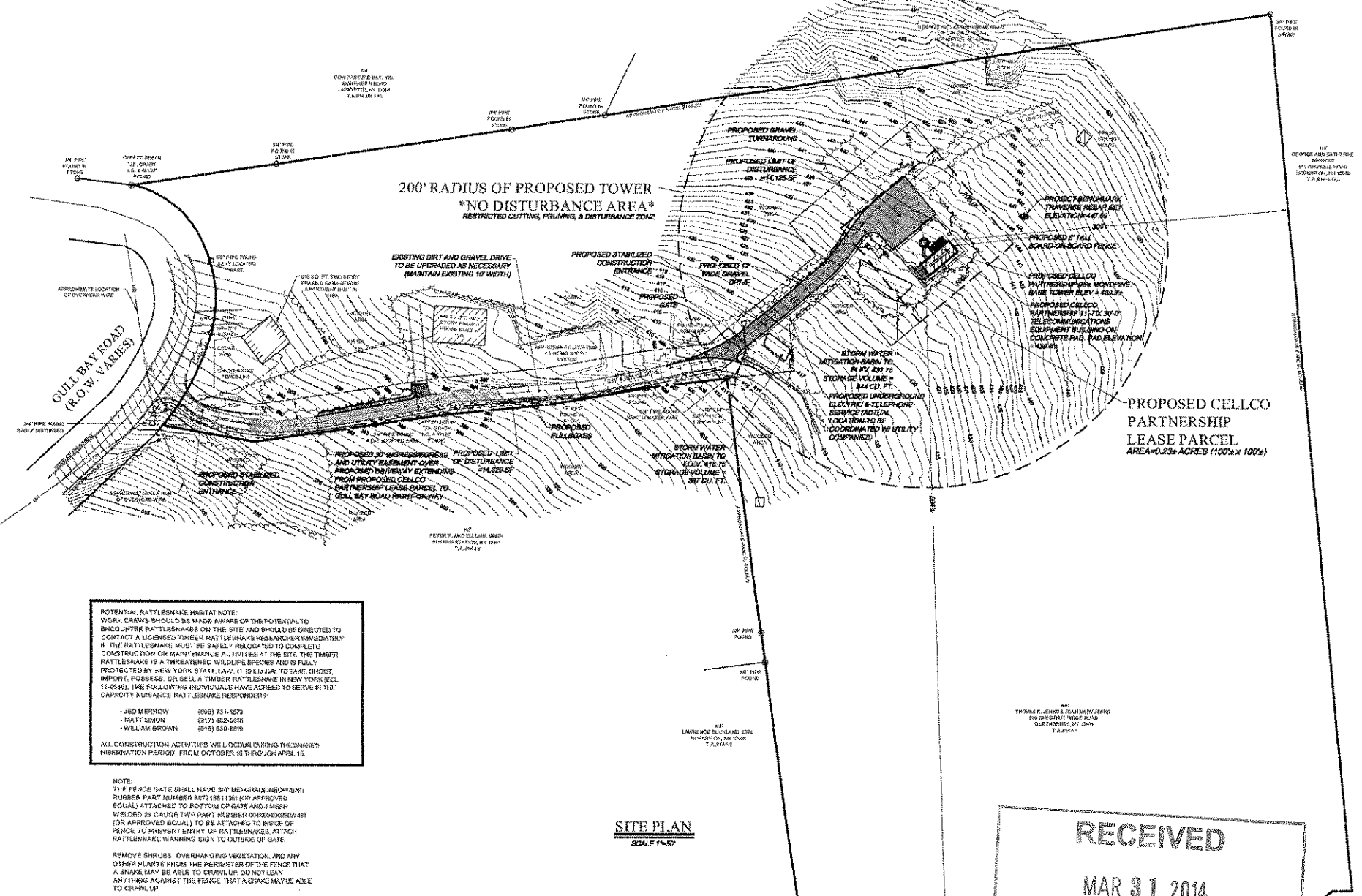


PROJECT INFORMATION

PARENT PARCEL TAX MAP NUMBER: 66-1-1
 PARENT PARCEL ACREAGE: 11.08+ ACRES (PER TAX MAP)
 PROPOSED CELCO PARTNERSHIP LEASE PARCEL AREA: 0.23+ ACRES (100' x 100')
 APA LAND CLASSIFICATION: RURAL USE
 LENGTH OF ACCESS DRIVEWAY: 879'
 AREA OF PROJECT DISTURBANCE: 54,125+ SQUARE FEET

GENERAL NOTES

- THIS MAP HAS BEEN PREPARED FROM A FIELD SURVEY PERFORMED BY COSTICH ENGINEERING, P.C. ON 2/25/2013, 03/20/2013 AND 12/18/2013.
- NORTH ORIENTATION IS GRID NORTH BY OPUS VERTICAL DATUM IS NAVD 83 (APPROXIMATE)
- ALL BEARINGS SHOWN HEREON ARE RELATED TO GRID NORTH.
- UNDERGROUND UTILITIES OR IMPROVEMENTS, IF ANY AND NOT VISIBLE AT TIME OF SURVEY ARE NOT SHOWN.
- THIS SURVEY IS SUBJECT TO THE FINDINGS OF AN UP-TO-DATE ABSTRACT OF TITLE.
- THIS SURVEY PLAN IS FOR SITE PLANNING/ENGINEERING PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR THE TRANSFER OF TITLE.
- SUBJECT TO THE RIGHTS OF THE PUBLIC IN AND TO THAT PORTION OF THE INDICATED ROAD FOR NORMAL HIGHWAY PURPOSES.



PROJECT SUMMARY

PROJECT NUMBER: 2007248961
 SITE NAME: SPRUCE MOUNTAIN
 CITY ADDRESS: 524 GULL BAY ROAD, PUTNAM STATION, NEW YORK 12861
 TOWN: PUTNAM
 COUNTY: WASHINGTON
 TOWER LOCATION: LATITUDE: 43°45'20.40" NAD 83, LONGITUDE: 73°27'47.34" NAD 83, 425.3' NAVD 1983
 BASE ELEVATION: 425.3' NAVD 1983
 PROPERTY OWNER: THOMAS E. AND JOAN MARY JENKIN, 200 CHESTNUT RIDGE ROAD, CUSHING, NEW YORK 12024
 TOWER OWNER: CELCO PARTNERSHIP, 624 VERIZON WIRELESS, 175 CALKINS ROAD, ROCHESTER, NEW YORK 14623
 APPLICANT: CELCO PARTNERSHIP, 624 VERIZON WIRELESS, 175 CALKINS ROAD, ROCHESTER, NEW YORK 14623, CONTACT: KATHY POMPONO, PHONE: (585) 371-5135

MAP REFERENCES

NORTH ORIENTATION

- NORTH ORIENTATION ESTABLISHED BY OPUS, A SITE SURVEY PERFORMED BY COSTICH ENGINEERING, P.C. ON 2/25/2013.
- DECLINATION OBTAINED FROM THE NATIONAL GEOSPATIAL DATA CENTER DURING THE MONTH OF FEBRUARY 2005.

TOPOGRAPHY SHOWN FROM A FIELD SURVEY BY COSTICH ENGINEERING, P.C. ON 2/25/2013, 03/20/2013 AND 12/18/2013. HORIZONTAL AND VERTICAL DATA OBTAINED THROUGH OPUS, REFERENCED TO THE FOLLOWING N.G.S. MONUMENTS:

HUDSON FALLS CORNER APP (P820945)
 -LATITUDE: 43-04-03.07N
 -LONGITUDE: 073-34-07.38W (59') NAD 83 (6066)
 -ELLIP HEIGHT: 64.5 METERS

HUDSON FALLS CORNER APP (P820943)
 -LATITUDE: 43-30-35.039N (6)
 -LONGITUDE: 073-35-27.196W (65') NAD 83 (6205)
 -ELLIP HEIGHT: 43.62 METERS

VTRU PUTNAM CORNER APP (E64100)
 -LATITUDE: 43-30-35.039N (6)
 -LONGITUDE: 073-35-27.196W (65') NAD 83 (6205)
 -ELLIP HEIGHT: 43.62 METERS

- NO BOUNDARY SURVEY OR SEARCH OF DEEDS WAS PERFORMED APPROXIMATE PROPERTY LINES SHOWN HEREON FROM TOWN OF PUTNAM TAX MAPS AND FIELD LOCATIONS OF PROPERTY CORNERS.
- PER THE NYDEC (PRELIMINARY) WETLANDS MAP, THERE ARE NO STATE WETLANDS IN PROJECT AREA.
- PER THE NATIONAL WETLANDS INVENTORY MAPS, THERE ARE NO FEDERAL WETLANDS IN THE PROJECT AREA.
- PER THE ENVIRONMENTAL IMPACT HAZARD INFORMATION AND AWARENESS SITE MAP THERE IS NO 100 YR. FLOOD PLAIN IN THE PROJECT AREA.

FINAL PLANS
ADIRONDACK PARK AGENCY
 P 2013 - 128
 DATE: 6-2014

UTILITY DISTANCE
 UNDERGROUND CONDUCTOR DISTANCE FROM EXISTING UTILITY POLE TO PROPOSED TRANSFORMER 65' NAD 83 (6) BY 106 2014

SITE PLAN - OWNER APPROVAL

SIGNATURE: _____ DATE: _____

verizon wireless
 175 CALKINS ROAD
 ROCHESTER, NEW YORK 14623

Costich Engineering
 Civil Engineering
 Land Surveying
 Landscape Architecture
 217 LARK AVENUE
 ROCHESTER, NY 14620
 (585) 458-3920

DESIGN APPROVAL

PRELIMINARY CONSTRUCTION:
 RF ENG. _____ DATE: _____
 EQUIP. ENG. _____ DATE: _____
 OPERATIONS _____ DATE: _____
 CONST. MGR. _____ DATE: _____
 NETWORK ENG. _____ DATE: _____
 REAL ESTATE _____ DATE: _____

WORK ORDER NUMBER: _____ DRAWN BY: _____

NO.	DATE	ISSUE
1	7/29/10	REV. COMPOUND CORNER
2	03/12/10	MISC REV'S
3	01/17/2012	REV. ON WIRES & POLE #
4	11/28/2012	REV. PER LGPC COMMENTS
5	9/15/2013	REV. PER LGPC COMMENTS
6	9/19/2013	REV. PER LGPC COMMENTS
7	9/2/2013	REV. PER LGPC COMMENTS
8	9/13/2013	PER APA COMMENTS
9	1/15/2014	PER APA COMMENTS
10	3/2/2014	PER APA COMMENTS

RELEASED BY: _____ DATE: _____

STATE OF NEW YORK
 RECEIVED
 MAR 31 2014
 Adirondack Park Agency

Dig Safely. New York
 Call Before You Dig
 Visit The Hazard Time
 Confirm Utility Response
 Respect The Marks
 Dig With Care
 800-962-7962
 www.digsafelynewyork.com

ADIRONDACK PARK AGENCY
 ORIGINAL SIZE IN INCHES: 0 1 2 3
 SITE INFORMATION:
 SPRUCE MOUNTAIN
 LOCATION CODE 182107
 PROJECT# 2007248961
 GULL BAY ROAD/12861

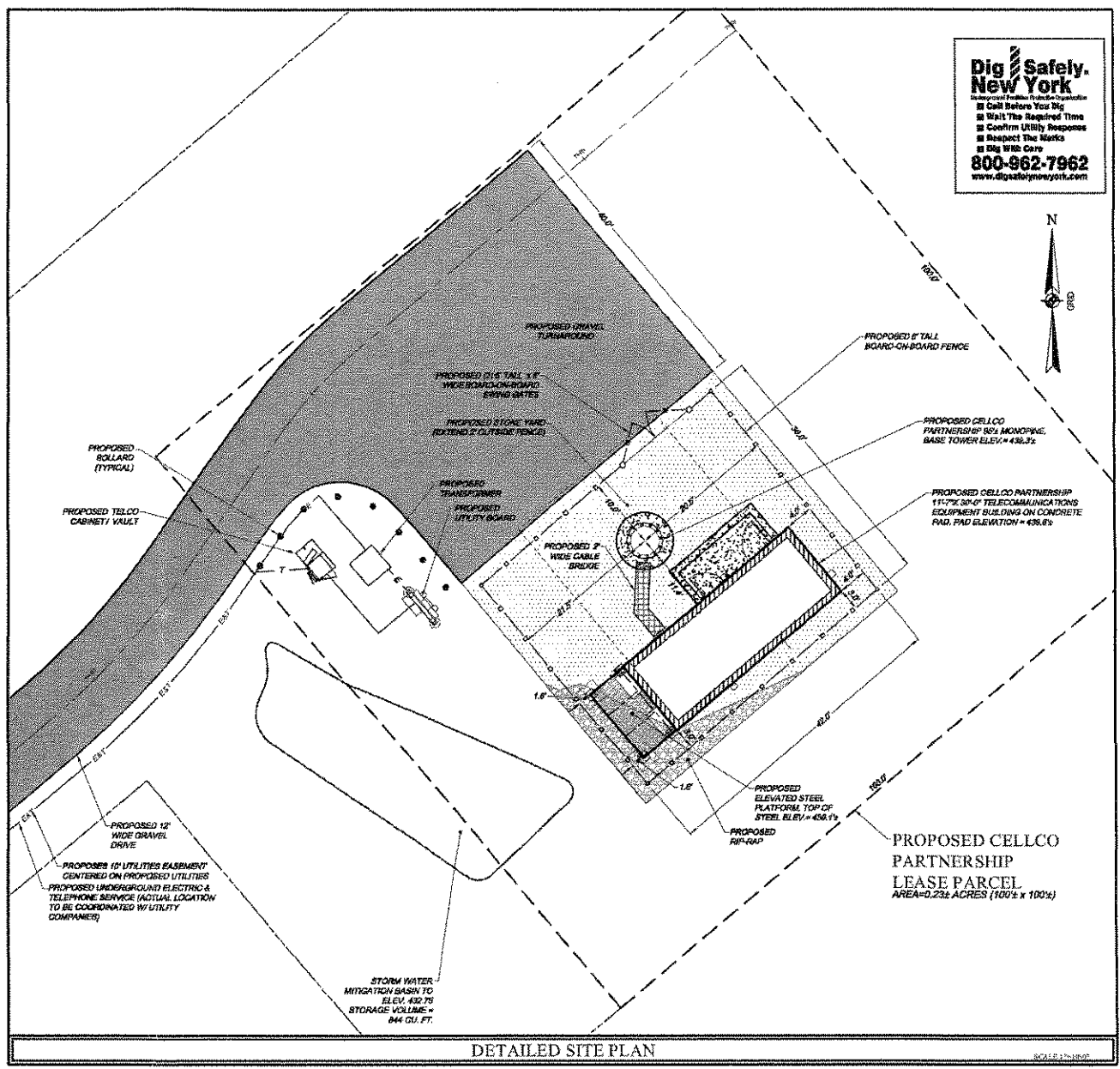
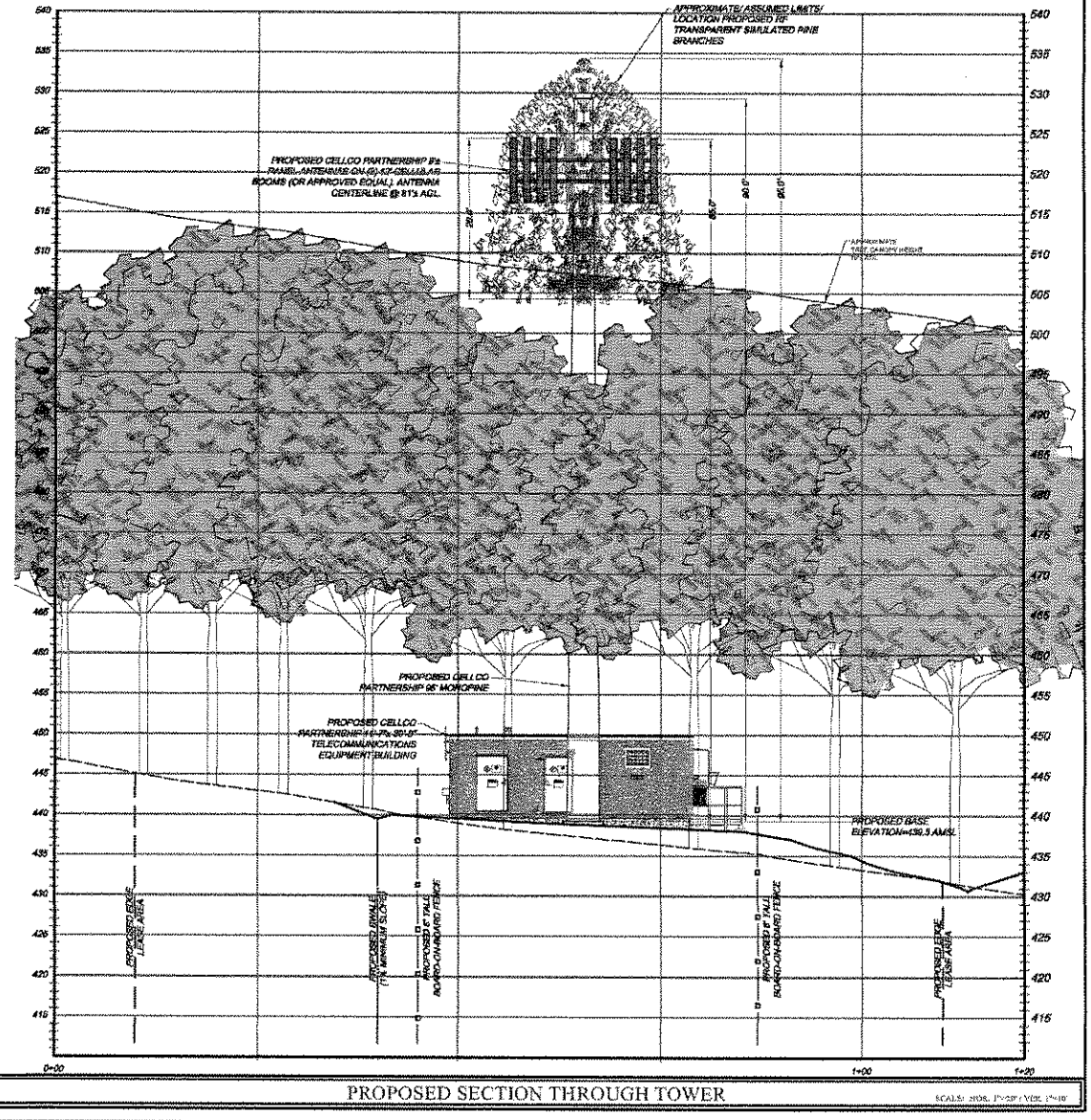
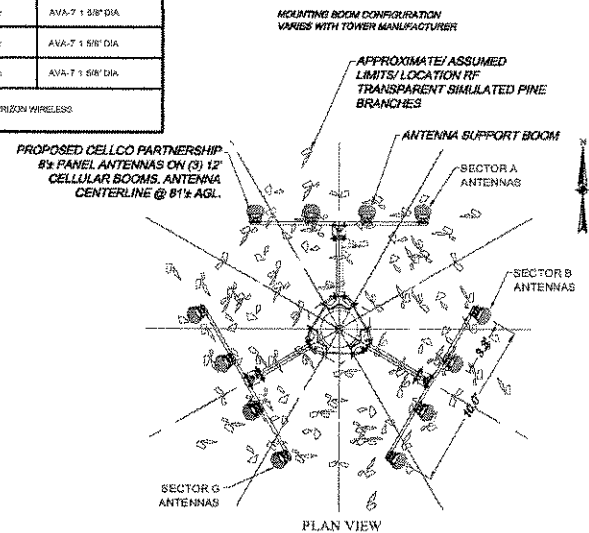
TOWN OF PUTNAM
 COUNTY OF WASHINGTON
 STATE OF NEW YORK

ZONING
 SHEET TITLE: SITE PLAN
 C.E. JOB NUMBER: 4322 SHEET NUMBER: CA100
 SHEET 1 OF 10

ANTENNA AND COAXIAL SCHEDULE					
SECTOR	ANTENNA	ANTENNA DATA	# OF ANTENNAS PER SECTOR	COAXIAL CABLE	
A	PANEL ANTENNA	8' PANEL	4	81%	AVA-7 1 5/8" DIA
B	PANEL ANTENNA	8' PANEL	4	81%	AVA-7 1 5/8" DIA
C	PANEL ANTENNA	8' PANEL	4	81%	AVA-7 1 5/8" DIA

NOTE:
CONTRACTOR TO TAP COAX CABLE AT BOTH ENDS WITH ANTENNA DESIGNATION AS DIRECTED BY VERIZON WIRELESS
(SEE COLOR CODE TABLE)

- NOTES
- THE TOWER SHALL BE CONSTRUCTED WITH GALVANIZED STEEL AND PAINTED TENDER GRAY.
 - NO FAA OBSTRUCTION LIGHTING IS PROPOSED BY CELCO PARTNERSHIP UNLESS IT IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION OR THE LOCAL MUNICIPALITY.
 - ALL REFERENCES TO THE TOWER AND ITS FOUNDATION ARE TO BE DIRECTED TO THE DESIGN AND DETAIL DRAWINGS BY THE TOWER SUPPLIER.

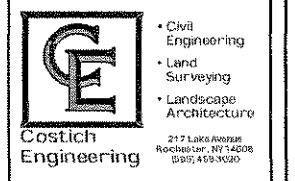


NOTE:
THE FENCE GATE SHALL HAVE 3/4" MID-GRADE ALUMINUM RUBBER PART NUMBER 8271561131 (OR APPROVED EQUAL) ATTACHED TO BOTTOM OF GATE AND 4#10# WELDED 2# GAUGE TIEBARS NUMBER 82400000447 (OR APPROVED EQUAL) TO BE ATTACHED TO INSIDE OF FENCE TO PREVENT ENTRY OF RATTLESNAKES. ATTACH RATTLESNAKE WARNING SIGN TO OUTSIDE OF GATE.
REMOVE SHRUBS, OVERHANGING VEGETATION, AND ANY OTHER PLANTS FROM THE PERIMETER OF THE FENCE THAT A SNAKE MAY BE ABLE TO CRAWL UP. DO NOT LEAN ANYTHING AGAINST THE FENCE THAT A SNAKE MAY BE ABLE TO CRAWL UP.

FINAL PLANS
ADIRONDACK PARK AGENCY
P 2013 - 128
DATE: 6-2014

POTENTIAL RATTLESNAKE HABITAT NOTE:
WORK CREWS SHOULD BE MADE AWARE OF THE POTENTIAL TO ENCOUNTER RATTLESNAKES ON THE SITE AND SHOULD BE DIRECTED TO CONTACT A LICENSED TIMBER RATTLESNAKE RESEARCHER IMMEDIATELY IF THE RATTLESNAKE MUST BE SAFELY RELOCATED TO COMPLETE CONSTRUCTION OR MAINTENANCE ACTIVITIES AT THE SITE. THE TIMBER RATTLESNAKE IS A THREATENED WILDLIFE SPECIES AND IS FULLY PROTECTED BY NEW YORK STATE LAW. IT IS ILLEGAL TO TAKE, SHOOT, IMPORT, POSSESS, OR SELL A TIMBER RATTLESNAKE IN NEW YORK STATE (11-0515). THE FOLLOWING INDIVIDUALS HAVE AGREED TO SERVE IN THE CAPACITY NUISANCE RATTLESNAKE RESPONDERS:
- JED MERRILL (505) 754-1573
- MATT BRADY (517) 432-8816
- WILLIAM BROWN (518) 633-8410
ALL CONSTRUCTION ACTIVITIES WILL OCCUR DURING THE SNOW REMOVAL PERIOD, FROM OCTOBER 15 THROUGH APRIL 15.

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Co-Operative Utility Response
Respect The Worker
In Dig We Care
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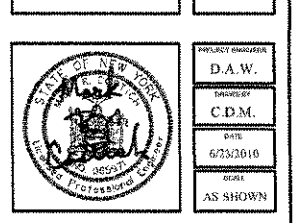


DESIGN APPROVAL

PRELIMINARY/CONSTRUCTION	DATE:
RF ENG.	DATE:
EQUIP. ENG.	DATE:
OPERATIONS	DATE:
CONST. MGR.	DATE:
NETWORK ENG.	DATE:
REAL ESTATE	DATE:

WORK ORDER NUMBER: _____ DRAWN BY: _____

NO.	DATE	ISSUE
1	7/2/2010	REV. COMPOUND CONFIG.
2	8/1/2012	MISC. REV'S
3	8/29/2012	LABEL OVERALL TOWER HEIGHT
4	8/31/2012	CHANGE LIGHTNING ROD TO 4"
5	2/12/2013	MISC. REV'S
6	3/27/2013	ENDANGERED SPECIES NOTE
7	5/1/2013	REV. PER LGPC COMMENTS
8	9/13/2013	PER APA COMMENTS
9	1/15/2014	PER APA COMMENTS
10	3/7/2014	PER APA COMMENTS



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ORIGINAL SIZE IN INCHES
0 1 2 3
SITE INFORMATION
SPRUCE MOUNTAIN
LOCATION CODE 182107
PROJECT# 2007248961
GULL BAY ROAD/12861

TOWN OF PUTNAM
COUNTY OF WASHINGTON
STATE OF NEW YORK

SHEET TITLE
ZONING
DETAILED SITE & ELEVATION PLAN

C.E. JOB NUMBER: 4322
SHEET NUMBER: CA110
SHEET 2 OF 10

DESIGN APPROVAL

PRELIMINARY/CONSTRUCTION	DATE
RF ENG.	DATE
ED/SP. ENG.	DATE
OPERATIONS	DATE
CONST. MGR.	DATE
NETWORK ENG.	DATE
REAL ESTATE	DATE

WORK ORDER NUMBER: _____ DRAWN BY: _____

NO.	DATE	ISSUE
1	7/1/2010	REV. COMPOUND CONFIG.
2	8/1/2012	MISC. REV'S
3	2/1/2013	MISC. REV'S
4	3/27/2013	ENDANGERED SPECIES NOTE
5	9/3/2013	MISC. REV'S
6	8/13/2013	PER APA COMMENTS
7	01/15/2014	PER APA COMMENTS
8	03/07/2014	PER APA COMMENTS

RELEASED BY: _____ DATE: _____

STATE OF NEW YORK
 PROFESSIONAL SEAL
 D.A.W.
 C.D.M.
 6/3/2010
 AS SHOWN

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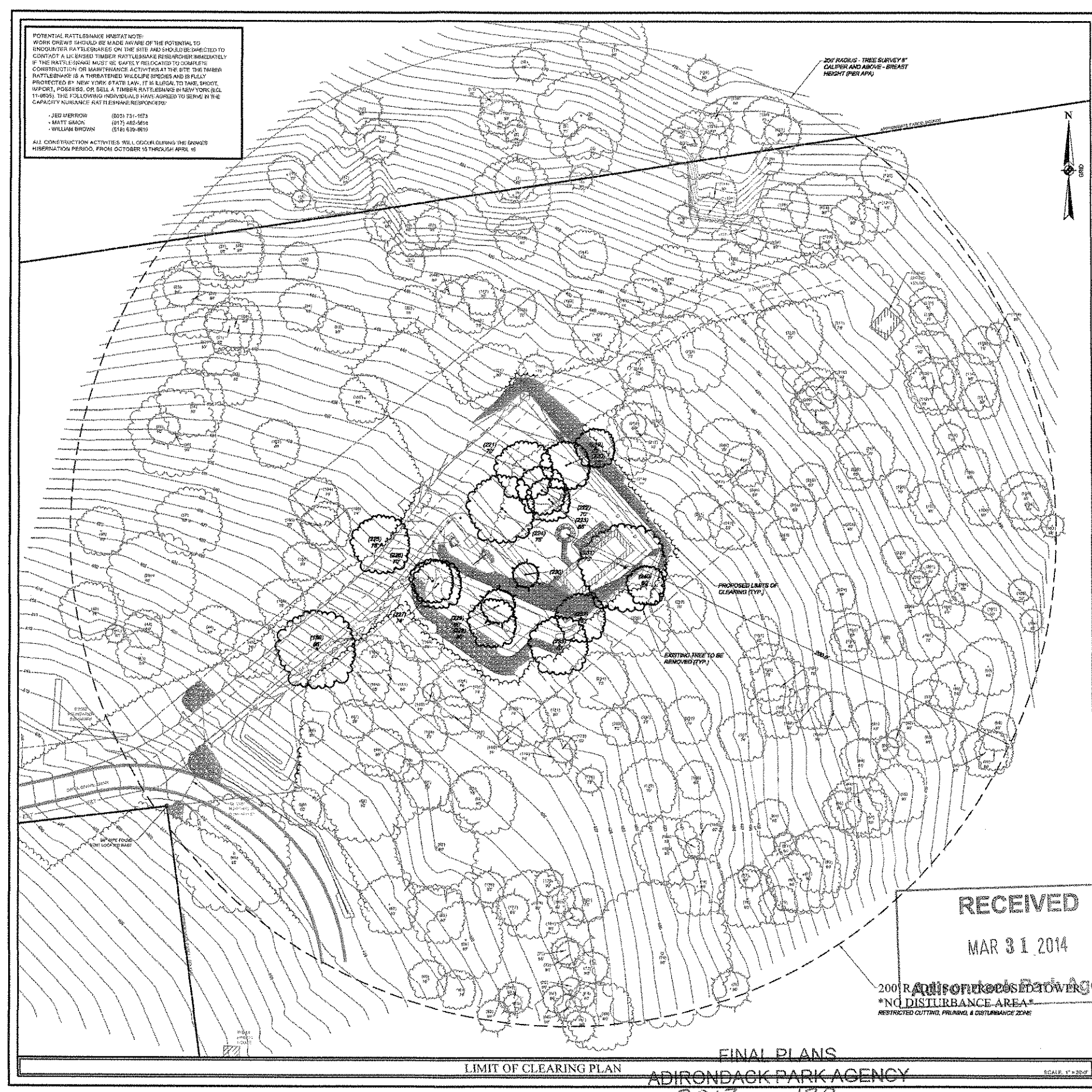
ORIGINAL SIZE IN INCHES
 0 1 2 3

SITE INFORMATION
 SPRUCE MOUNTAIN
 LOCATION CODE 182107
 PROJECT# 2007248961
 GULL BAY ROAD/12861

TOWN OF PUTNAM
 COUNTY OF WASHINGTON
 STATE OF NEW YORK

SHEET TITLE
 ZONING TREE
 PRESERVATION
 PLAN

C.E. JOB NUMBER: 4322
 SHEET NUMBER: CA130
 SHEET 3 OF 10



POTENTIAL RATTLESNAKE HIBERNAT NOTE:
 WORK ORDER SHOULD BE MADE AWARE OF THE POTENTIAL TO ENCOUNTER RATTLESNAKES ON THE SITE AND SHOULD BE DIRECTED TO CONTACT A LICENSED TIMBER RATTLESNAKE RESEARCHER IMMEDIATELY IF THE RATTLESNAKE MUST BE SAFELY RELOCATED TO COMPLETE CONSTRUCTION OR MAINTENANCE ACTIVITIES AT THE SITE. THE TIMBER RATTLESNAKE IS A THREATENED WILDLIFE SPECIES AND IS FULLY PROTECTED BY NEW YORK STATE LAW. IT IS ILLEGAL TO TAKE, SELL, EXPORT, POSSESS, OR SELL A TIMBER RATTLESNAKE IN NEW YORK (ECL 11-0903). THE FOLLOWING INDIVIDUALS HAVE AGREED TO SERVE IN THE CAPACITY NURSANCE RATTLESNAKE RESEARCHERS:
 • JED MERRROW (505) 731-1073
 • MATT SACHS (517) 455-8658
 • WILLIAM BROWN (518) 639-9810
 ALL CONSTRUCTION ACTIVITIES WILL OCCUR DURING THE SNARKS HIBERNATION PERIOD, FROM OCTOBER 15 THROUGH APRIL 15

- EXISTING TREE PROTECTION NOTES**
1. PROTECT TREES WITH BRACING AND ARMORING DURING THE ENTIRE CONSTRUCTION PERIOD. SEE TREE PROTECTION DETAIL.
 2. AVOID COMPACTION OF THE SOIL AROUND EXISTING TREES DUE TO HEAVY EQUIPMENT. DO NOT PILE DIRT OR OTHER MATERIALS BENEATH THE CROWN OF THE TREES.
 3. REPAIR DAMAGED ROOTS AND BRANCHES IMMEDIATELY. EXPOSED ROOTS SHOULD BE COVERED WITH TOPSOIL. SEVERED LIMBS AND ROOTS SHOULD BE PRUNED. WHENEVER ROOTS ARE DESTROYED, A PROPORTIONAL AMOUNT OF BRANCHES MUST BE PRUNED SO THE TREE DOES NOT TRANSMIT MORE WATER THAN IT TAKES IN. INJURED TREES MUST BE THOROUGHLY WATERED DURING THE ENVIING GROWING YEAR.

- SITE NOTES**
1. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWING.
 2. RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
 3. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE EQUIPMENT AND TOWER AREAS.
 4. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
 5. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH, UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
 6. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PILING DIRT AROUND OR NEAR UTILITIES.
 7. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, FLAGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF ENGINEERING.
 8. THE AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITY SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED, AND COVERED WITH MULCH.
 9. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING LIFE DURING CONSTRUCTION THROUGH CONTROL MEASURES. IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AND COORDINATED WITH THE TOWN.
 10. CONTRACTOR SHALL NOTIFY UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION AT TELEPHONE NUMBER 1-800-962-7662 PRIOR TO EXCAVATION AT SITE.
 11. ALL EXCAVATION WORK WITHIN 3' OF EITHER SIDE OF UNDERGROUND UTILITIES MUST BE DONE BY HAND EXCAVATION METHODS.

GRAPHIC SCALE
 (IN FEET)
 1 inch = 20 ft

DRAWING LEGEND

- DECIDUOUS TREE, CONIFEROUS TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- PROPOSED LIMITS OF CLEARING
- SECTION/PARCEL BOUNDARY
- PROPOSED EASEMENT LINE
- MIN. BUILDING SETBACK
- CENTER LINE
- EXIST. EASEMENT LINE
- EXIST. RIGHT-OF-WAY LINE
- EXIST. EDGE OF PAVEMENT
- CONIFEROUS, DECIDUOUS TREE
- EDGE OF WOODS
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING/PROPOSED SPOT ELEVATION @ X
- WATER, CREEK OR STREAM
- EXISTING SINGLE/DOUBLE SIGNS
- EXIST. WATERMAIN, VALVE & HYDRANT
- EXIST. SANITARY SEWER & MANHOLE
- EXIST. STORM SEWER, FIELD INLET
- INLET MANHOLE, I.R.H., A END SECTION
- BARBED WIRE, STOCKADE, CHAIN LINKED FENCE
- EXISTING BUILDING

TREE REMOVAL TABLE

CALIPER	8"	10"	12"	14"	16"	18"	20"	TOTAL
MAPLE	2	0	0	0	2	1	0	0
PINE	0	0	0	1	0	0	1	0
OAK	0	1	4	0	0	0	0	1
HICKORY	0	0	0	0	0	0	0	1
BURCH	0	1	0	0	0	0	0	1
BEECH	0	0	1	0	1	0	0	2
TOTAL	2	2	5	1	3	1	1	17

RECEIVED
 MAR 31 2014
 200' RADIUS - TREE SURVEY'S CALIPER AND ABOVE - BREAST HEIGHT (PER APA)
 NO DISTURBANCE AREA
 RESTRICTED CUTTING, PRUNING & DISTURBANCE ZONE

FINAL PLANS
 ADIRONDACK PARK AGENCY
 P 2013 - 128
 DATE: 6-2014

TREE INVENTORY TABLE

#	SPECIES	CALIPER HEIGHT	#	SPECIES	CALIPER HEIGHT	#	SPECIES	CALIPER HEIGHT	#	SPECIES	CALIPER HEIGHT	#	SPECIES	CALIPER HEIGHT
1	OAK	147.80	1071	MAPLE	127.70	1103	CEDAR	87.80	1156	OAK	147.80	1011	CEDAR	87.80
2	OAK	107.90	1020	MAPLE	147.80	1100	CEDAR	107.80	1152	OAK	107.80	1000	CEDAR	87.40
3	PINE	87.70	1010	PINE	107.80	1100	CEDAR	107.80	1150	MAPLE	107.80	1000	MAPLE	87.80
4	(2) BOXE HICKORY	107.70	1040	MAPLE	107.80	1104	MAPLE	107.80	1154	MAPLE	107.70	1040	ASH	87.80
5	PINE	107.60	1000	BIRCH	87.60	1100	MAPLE	107.60	1150	(2) BOXE HICKORY	107.70	1000	MAPLE	87.80
6	OAK	107.80	1000	MAPLE	107.80	1100	OAK	87.80	1150	HICKORY	87.70	1000	MAPLE	87.80
7	PINE	107.60	1000	MAPLE	107.60	1100	OAK	87.60	1150	ELM	87.60	1000	OAK	127.70
8	PINE	107.70	1000	MAPLE	107.70	1100	ASH	87.70	1150	MAPLE	107.70	1000	CHERRY	107.60
9	OAK	107.70	1000	MAPLE	107.70	1100	OAK	107.70	1150	** OAK	107.80	1000	OAK	127.70
10	PINE	107.60	1000	MAPLE	107.60	1100	PINE	107.60	1150	OAK	107.60	1000	OAK	87.70
11	PINE	107.70	1000	MAPLE	107.70	1100	MAPLE	87.70	1150	OAK	107.70	1000	MAPLE	107.70
12	PINE	107.60	1000	PINE	107.60	1100	OAK	107.60	1150	CHERRY	87.60	1000	HICKORY	147.70
13	PINE	107.90	1000	PINE	87.70	1100	OAK	107.90	1150	MAPLE	107.70	1000	ASPEN	107.70
14	PINE	107.90	1000	PINE	107.90	1100	OAK	107.90	1150	MAPLE	107.70	1000	ASPEN	87.80
15	OAK	87.70	1000	PINE	107.60	1100	MAPLE	87.70	1150	MAPLE	107.70	1000	HICKORY	107.80
16	PINE	87.80	1000	PINE	107.60	1100	HEMLOCK	107.60	1150	PINE	87.70	1000	PINE	117.80
17	OAK	147.70	1000	PINE	107.60	1100	OAK	107.60	1150	MAPLE	87.70	1000	(2) BOXE HICKORY	147.70
18	PINE	107.60	1000	MAPLE	107.60	1100	OAK	87.70	1150	MAPLE	87.70	1000	OAK	87.70
19	OAK	147.80	1000	PINE	107.60	1100	MAPLE	87.70	1150	PINE	107.70	1000	** MAPLE	107.80
20	PINE	107.90	1000	PINE	87.80	1100	BIRCH	107.90	1150	MAPLE	107.70	1000	** BIRCH	107.70
21	MAPLE	87.70	1000	PINE	107.60	1100	MAPLE	87.70	1150	PINE	107.60	1000	** BIRCH	107.70
22	OAK	107.70	1000	PINE	107.60	1100	OAK	107.60	1150	PINE	107.60	1000	** OAK	107.70
23	MAPLE	107.60	1000	PINE	107.60	1100	BEECH	87.60	1150	MAPLE	87.70	1000	** BIRCH	87.80
24	MAPLE	107.60	1000	MAPLE	107.60	1100	OAK	107.60	1150	PINE	107.70	1000	** MAPLE	147.70
25	MAPLE	87.70	1000	PINE	107.60	1100	MAPLE	107.70	1150	(2) BOXE HICKORY	107.70	1000	** MAPLE	107.70
26	OAK	107.60	1000	OAK	107.60	1100	PINE	107.60	1150	PINE	107.60	1000	** OAK	87.70
27	OAK	107.60	1000	PINE	107.60	1100	PINE	107.60	1150	PINE	107.60	1000	** OAK	107.70
28	PINE	107.60	1000	OAK	107.60	1100	MAPLE	107.60	1150	MAPLE	107.60	1000	** OAK	107.80
29	OAK	107.60	1000	OAK	87.60	1100	PINE	107.60	1150	PINE	107.60	1000	** PINE	107.80
30	OAK	107.60	1000	ASPEN	107.60	1100	PINE	107.60	1150	PINE	107.60	1000	** PINE	117.70
31	OAK	107.60	1000	OAK	107.60	1100	PINE	107.60	1150	PINE	107.60	1000	** HICKORY	107.70
32	OAK	107.60	1000	OAK	107.60	1100	OAK	107.60	1150	PINE	107.60	1000	** OAK	107.70
33	OAK	107.60	1000	PINE	107.60	1100	PINE	107.60	1150	OAK	107.60	1000	** MAPLE	107.70
34	HICKORY	147.80	1000	MAPLE	87.60	1100	OAK	107.60	1150	PINE	87.70	1000	MAPLE	127.70
35	PINE	147.80	1000	OAK	87.60	1100	PINE	107.60	1150	OAK	107.60	1000	MAPLE	87.70
36	(2) BOXE HICKORY	107.60	1000	OAK	107.60	1100	PINE	107.60	1150	CHERRY	87.60	1000	MAPLE	107.70
37	ASPEN	147.80	1000	MAPLE	107.60	1100	PINE	107.60	1150	OAK	107.60	1000	MAPLE	107.70
38	HICKORY	107.80	1000	OAK	107.60	1100	PINE	107.60	1150	OAK	107.60	1000	OAK	157.70
39	HICKORY	107.80	1000	MAPLE	87.60	1100	OAK	87.60	1150	OAK	87.60	1000	OAK	127.70
40	OAK	107.70	1000	CEDAR	107.60	1100	ASPEN	107.60	1150	OAK	87.70	1000	** MAPLE	87.80
41	PINE	87.80	1000	MAPLE	87.70	1100	ASPEN	107.70	1150	(2) BOXE HICKORY	107.70	1000	OAK	107.70
42	OAK	87.80	1000	PINE	87.60	1100	OAK	107.60	1150	OAK	107.70	1000	ASH	107.80
43	OAK	107.80	1000	MAPLE	107.60	1100	PINE	107.70	1150	MAPLE	87.60	1000	MAPLE	87.80
44	MAPLE	107.60	1000	MAPLE	107.60	1100	OAK	107.60	1150	MAPLE	87.60	1000	MAPLE	87.60
45	OAK	107.70	1000	MAPLE	87.60	1100	BEECH	87.60	1150	MAPLE	87.60	1000	MAPLE	87.80
46	CEDAR	107.60	1000	MAPLE	87.60	1100	MAPLE	87.60	1150	HICKORY	87.70	1000	MAPLE	87.80
47	MAPLE	87.80	1000	MAPLE	107.60	1100	MAPLE	87.70	1150	MAPLE	107.70	1000	MAPLE	87.70
48	MAPLE	107.60	1000	MAPLE	107.60	1100	PINE	107.60	1150	MAPLE	87.60	1000	MAPLE	127.70
49	MAPLE	87.70	1000	MAPLE	107.60	1100	OAK	107.70	1150	MAPLE	87.60	1000	** TO BE REMOVED	
50	MAPLE	107.70	1000	CEDAR	107.60	1100	PINE	107.70	1150	ASH	117.70			

THE CRITICAL ROOT ZONE AND TREE PRESERVATION REQUIREMENTS

ALL TREES ARE TO BE PRESERVED TO THE MAXIMUM EXTENT REASONABLE AND FEASIBLE. TREE PRESERVATION IS EFFECTIVELY DEFINED AS ROOT SYSTEM PRESERVATION. A CRITICAL ROOT ZONE AREA (CRZ) IS ASSIGNED TO EACH TREE BASED ON TRUNK DIAMETER (D). A MINIMUM OF 0.7% OF THE CRZ IS REQUIRED TO BE LEFT UNDISTURBED.

ALL TREES 6 INCHES IN DIAMETER AND LARGER (24" CIRCUMFERENCE) IN THE CONSTRUCTION AREA ARE TO BE LOCATED AND CRZ OR CRZ CIRCLE DETERMINED.

CRZ CIRCLE IS CENTERED ON THE TREE BASE (LOCATION (D.E. A TWENTY INCH DIAMETER TREE IS REPRESENTED BY A 40 FOOT DIAMETER CIRCLE). THE FORMULA IS: TREE DIAMETER IN INCHES X 2, THEN DIVIDE BY PI TO GET CRZ DIAMETER.

1. ALL TREES AND NATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY FENCES.

2. PROTECTIVE FENCES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (DRAINING, GRUBBING OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.

3. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIP LINES.

4. PROTECTIVE FENCES SHALL SURROUND THE TREE OR GROUP OF TREES, AND WILL BE LOCATED AT THE OUTERMOST LIMIT OF BRANCHED (DRIP LINE), FOR NATURAL AREAS, PROTECTIVE FENCES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:

- A. SOIL COMPACTON IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;
- B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GRAVEL OR OTHER SURFACE TREATMENT) OR FILL OR TRENCHING;
- C. WORKING TO EXPOSED ROOTS, TRUNKS OR LIMBS BY MECHANICAL EQUIPMENT;
- D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND PILES.

5. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIP LINES MAY BE PERMITTED IN THE FOLLOWING CASES:

- A. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 TO 4 FEET BEYOND THE AREA DISTURBED.
- B. WHERE PERMEABLE PAVING IS TO BE INSTALLED WITHIN A TREE'S DRIP LINE, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA (PRIOR TO SITE GRADING) SO THAT THIS AREA IS GRADED SEPARATELY PRIOR TO PAVING INSTALLATION TO MINIMIZE ROOT DAMAGE.
- C. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE TO ALLOW A 10 FEET WORK SPACE BETWEEN THE FENCE AND THE BUILDING.
- D. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE ENGINEER OR RECORD TO DISCUSS ALTERNATIVES.

6. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN 4 FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANNING TO A HEIGHT OF 6 FT (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REGULAR FENCING PROVIDED.

7. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.

8. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.

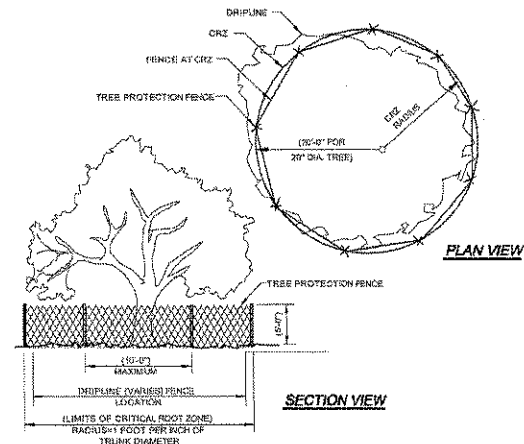
9. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF UTILITIES SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.

10. NO TOP DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIP LINE OF THESE TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.

11. PRUNING TO PROVIDE CLEARANCES FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE DAMAGE OCCURS (SHIPPING OF BRANCHES, ETC.).

12. ALL FINISHED PRUNING SHALL BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES).

TREE PRESERVATION NOTES



TREE PROTECTION FENCE DETAIL

NO SCALE

FINAL PLANS
ADIRONDACK PARK AGENCY
P 2013 - 128
DATE: 6-2014

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217 LARK AVENUE
ROCHESTER, NY 14608
(585) 418-3052

DESIGN APPROVAL
PRELIMINARY CONSTRUCTION
RF ENG. _____ DATE _____
EQUIP. ENG. _____ DATE _____
OPERATIONS _____ DATE _____
CONSTR. MGR. _____ DATE _____
NETWORK ENG. _____ DATE _____
REAL ESTATE _____ DATE _____

WORK ORDER NUMBER _____ DRAWN BY _____
NO. DATE ISSUE
1 03/07/2014 PER APA COMMENTS

RELEASED BY _____ DATE _____
STATE OF NEW YORK
D.A.W.
C.J.M.
01/15/2014
NONE

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ORIGINAL SIZE IN INCHES
SITE INFORMATION
SPRUCE MOUNTAIN
LOCATION CODE 182107
PROJECT# 2007248961
GULL BAY ROAD/12861

TOWN OF PUTNAM
COUNTY OF WASHINGTON
STATE OF NEW YORK

SHEET TITLE
ZONING TREE
PRESERVATION TABLE,
NOTES & DETAILS
C.E. JOB NUMBER SHEET NUMBER
4322 CA131
SHEET 4 OF 10

GRAPHIC SCALE
 (IN FEET)
 1 inch = 20 ft.

LEGEND

- SECTION/PARCEL BOUNDARY
- PROPOSED BASEMENT LINE
- MIN. BUILDING SETBACK
- CENTER LINE
- EXIST. BARRIEMENT LINE
- EXIST. RIGHT-OF-WAY LINE
- EXIST. EDGE OF PAVEMENT
- CONIFEROUS, DECIDUOUS TREE, EDGE OF WOODS
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING/PROPOSED SPOT ELEVATION @ X
- WATER, CREEK OR STREAM
- EXISTING SINGLE/DOUBLE SIGNS
- EXIST. WATERMAIN, VALVE & HYDRANT
- EXIST. SANITARY SEWER & MANHOLE
- EXIST. STORM SEWER FIELD INLET
- INLET MANHOLE, 18" x 18" END SECTION
- BARBED WIRE STOCKADE/CHAIN LINKED FENCE
- EXISTING BUILDING
- LIMIT OF DISTURBANCE

Dig Safely. New York
 Underground Facility Protection System
 Call Before You Dig
 Wait The Required Time
 Confirm Utility Response
 Respect The Marks
 Dig With Care
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 www.digsafelyny.com

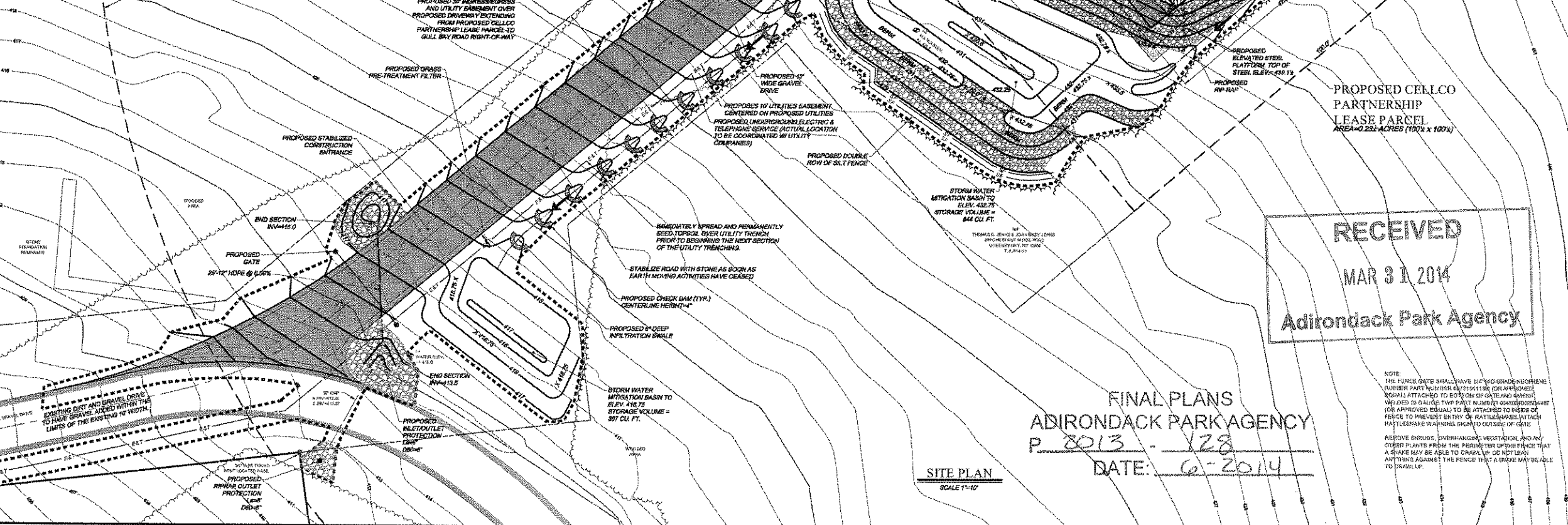
PROPOSED R/R/RAP APRONS/WALL PROTECTION

POTENTIAL RAT (LEISURE) HABITAT NOTE:
 WORK CREWS SHOULD BE MADE AWARE OF THE POTENTIAL TO ENCOUNTER RAT (LEISURE) HABITAT ON THE SITE AND SHOULD BE DIRECTED TO CONTACT A LICENSED TRAPPER. RATTLESNAKE RESPONSES IMMEDIATELY IF THE RATTLESNAKE MUST BE SAFELY RELOCATED TO COMPLETE CONSTRUCTION OR MAINTENANCE ACTIVITIES AT THE SITE. THE TRAPPER RATTLESNAKE IS A THREAT TO NEW YORK STATE'S RATTLESNAKE. FULLY PROTECTED BY NEW YORK STATE LAW. IT IS ILLEGAL TO TAKE, SHOOT, WOUND, POSSESS, OR KILL A TRAPPER RATTLESNAKE IN NEW YORK (S.L. 1985). THE FOLLOWING INDIVIDUALS HAVE AGREED TO SERVE IN THE CAPACITY NUISANCE RATTLESNAKE RESPONDERS:

- JED MERRIDW (800) 731-1070
- MATT SIMON (817) 482-5819
- WILLIAM BROWN (816) 638-8510

ALL CONSTRUCTION ACTIVITIES WILL OCCUR DURING THE RATTLESNAKE HIBERNATION PERIOD, FROM OCTOBER 15 THROUGH APRIL 15.

**200' RADIUS OF PROPOSED TOWER
 "NO DISTURBANCE AREA"
 RESTRICTED CUTTING, PLANNING, & DISTURBANCE ZONE**



verizon wireless
 175 CALKINS ROAD
 ROCHESTER, NEW YORK 14623

Costich Engineering
 Civil Engineering
 Land Surveying
 Landscape Architecture
 217 LIND AVENUE
 ROCHESTER, NY 14609
 (585) 458-3020

DESIGN APPROVAL

PRELIMINARY/CONSTRUCTION

RF ENG.	DATE
EQUIP. ENG.	DATE
OPERATIONS	DATE
CONST. MGR.	DATE
NETWORK ENG.	DATE
REAL ESTATE	DATE

WORK ORDER NUMBER _____ DRAWN BY _____

NO.	DATE	ISSUE
1	7/2/10	REV. COMPOUND CONFG.
2	8/19/12	MISC. REVS.
3	5/15/13	REVISED STORM WATER
4	3/27/13	EMPOWERED SPECIES NOTE
5	5/11/13	REVISED PER LRPC COMMENTS
6	6/18/2013	REVISED PER LRPC COMMENTS
7	8/30/13	REVISED PER LRPC COMMENTS
8	8/15/2013	REVISED PER AFA COMMENTS
9	10/26/14	REVISED PER AFA COMMENTS
10	3/27/2014	REVISED PER AFA COMMENTS

RELEASED BY _____ DATE _____

STATE OF NEW YORK

PROJECT NUMBER: _____
 D.A.W.
 ORDER BY: C.D.M.
 DATE: 6/23/2014
 SCALE: AS SHOWN

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ORIGINAL SIZE IN INCHES

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SITE INFORMATION
 SPRUCE MOUNTAIN
 LOCATION CODE 182107
 PROJECT# 2007248961
 GULL BAY ROAD/12861

**TOWN OF PUTNAM
 COUNTY OF WASHINGTON
 STATE OF NEW YORK**

SHEET TITLE
 ZONING STORM WATER
 GRADING AND EROSION
 CONTROL PLAN

C.E. JOB NUMBER: 4322
 SHEET NUMBER: CA150
 SHEET 5 OF 10

FINAL PLANS
 ADIRONDACK PARK AGENCY
 P. 2013 - 128
 DATE: 6-2014

SITE PLAN
 SCALE 1"=10'

NOTE:
 THE FENCE GATE SHALL HAVE 24" X 12" GRADE-BEFORE (NUMBER PART NUMBER 62715111) OR APPROXIMATE (EQUAL) ATTACHED TO BOTTOM OF GATE AND GROUND. WELDED ED G-ALUMIUM TYP PART NUMBER 62715111 OR APPROXIMATE (EQUAL) SHALL BE ATTACHED TO INSIDE OF FENCE TO PREVENT ENTRY OF RATTLESNAKES. ATTACH RATTLESNAKE WARNING SIGNS TO OUTSIDE OF GATE.
 REMOVE BRUSH, OVERHANGING VEGETATION AND ANY OTHER PLANTS FROM THE PERIMETER OF THIS FENCE THAT A SNAKE MAY BE ABLE TO CRAWL UP OR HIDE BEHIND. ANYTHING AGAINST THE FENCE THAT A SNAKE MAY BE ABLE TO CRAWL UP.

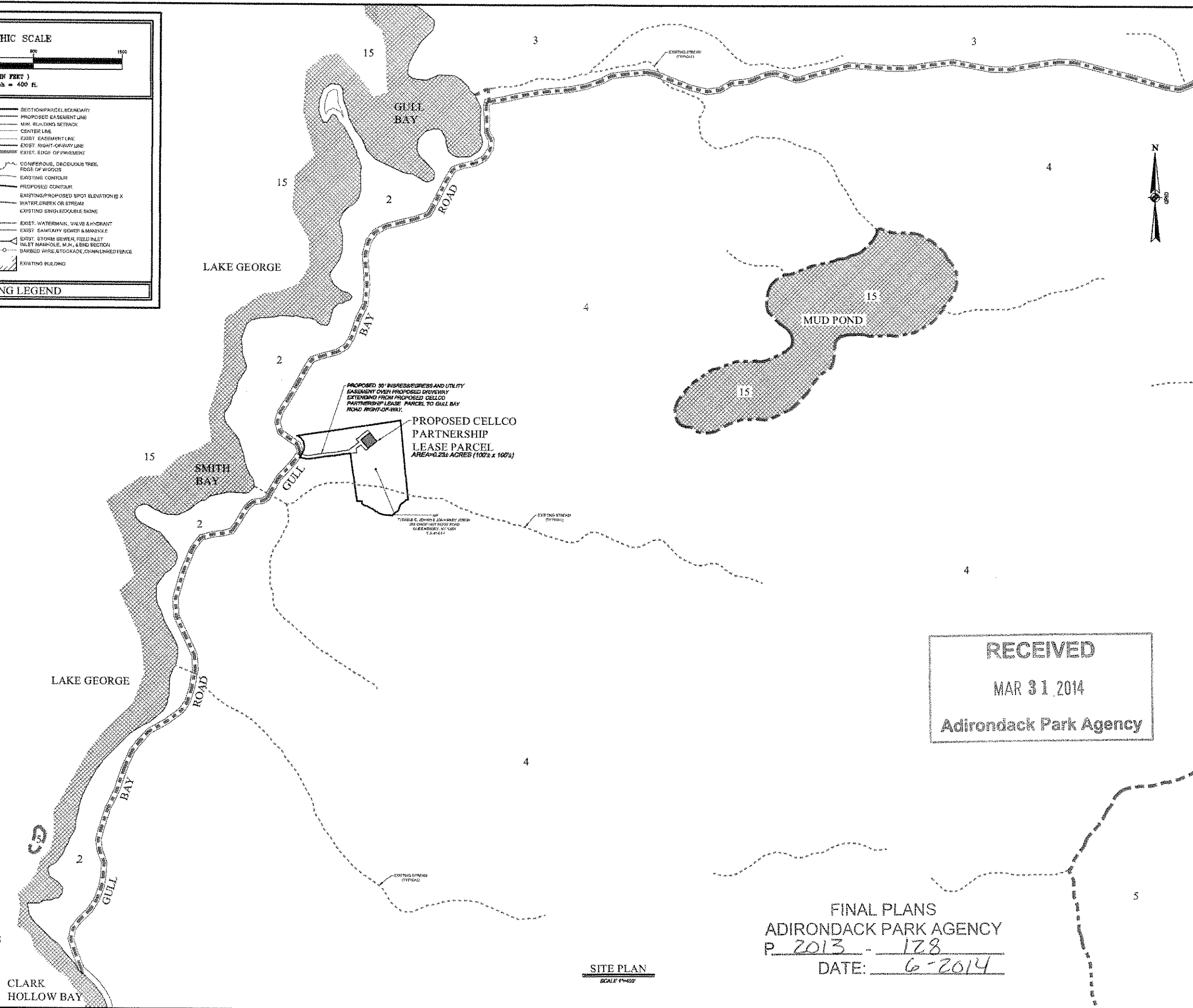
GRAPHIC SCALE
(IN FEET)
1 inch = 400 ft.

DRAWING LEGEND

- SECTION/PARCEL BOUNDARY
- PROPOSED EASEMENT LINE
- MAR. RELATIONS NETWORK
- CENTER LINE
- EXIST. EASEMENT LINE
- EXIST. RIGHT-OF-WAY LINE
- EXIST. EDGE OF PAVEMENT
- CONIFEROUS, DECIDUOUS TREE, EDGE OF WOODS
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING/PROPOSED SPOT ELEVATION @ X
- WATER, CREEK OR STREAM
- EXISTING SINGLE/DOUBLE SIGN
- EXIST. WATERMAIN, VALVE & HYDRANT
- EXIST. SANITARY SEWER & MANHOLE
- EXIST. STORM SEWER, FIELD INLET
- INLET MANHOLE, W.H. & END SECTION
- BANDED WIRE, STOCKADE, CHAIN LINKED FENCE
- EXISTING BUILDING

LCCD CODE DESCRIPTION

0-OUTSIDE ADIRONDACK PARK
1-HAMLET
2-MODERATE INTENSITY
3-LOW INTENSITY
4-RURAL USE
5-RESOURCE MANAGEMENT
6-INDUSTRIAL USE
7-WILDERNESS
8-CANOE AREA
9-PRIMITIVE
10-WILD FOREST
11-INTENSIVE USE
12-HISTORIC
13-STATE ADMINISTRATIVE
14-PENDING CLASSIFICATION
15-WATER
99-UNKNOWN



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Rochester, NY 14608
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DESIGN APPROVAL

PRELIMINARY/CONSTRUCTION

RF ENG.	DATE
EQUIP. ENG.	DATE
OPERATIONS	DATE
CONST. MGR.	DATE
NETWORK ENG.	DATE
REAL ESTATE	DATE

WORK ORDER NUMBER: _____ DRAWN BY: _____

NO.	DATE	ISSUE
1	7/2/10	REV. COMPOUND CONFIG.
2	8/01/2012	MISC. REV'S
3	01/16/2014	SHEET NUMBER

RELEASED BY: _____ DATE: _____

STATE OF NEW YORK
Professional Engineer
C.D.M.
DATE: 6/30/10
SCALE: AS SHOWN

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SITE INFORMATION
SPRUCE MOUNTAIN
LOCATION CODE 182107
PROJECT# 200724961
GULL BAY ROAD/12861

TOWN OF PUTNAM
COUNTY OF WASHINGTON
STATE OF NEW YORK

ZONING LAND USE PLAN

C.E. JOB NUMBER	SHEET NUMBER
4322	CA160
SHEET 6 OF 10	

FINAL PLANS
ADIRONDACK PARK AGENCY
P 2013 - 128
DATE: 6-2014

SITE PLAN
SCALE 1"=400'

PROPOSED ON SITE DISTURBANCE IS LESS THAN 1 ACRE (THIRTYFOUR (34) ACRES WATER PERMITTING REQUIRED FOR 1/2 ACRE OF DISTURBANCE)
 HOTEL AND/OR STORMWATER POND WILL BE DISCUSS FROM THE LAKE GEORGE PARK (03/18/2014) 015-089-0147

1. STABILIZED CONSTRUCTION ENTRANCE

- ALL VEHICLES AND EQUIPMENT MUST ENTER THE CONSTRUCTION SITE VIA STABILIZED CONSTRUCTION ENTRANCE ONLY.
- TWO (2) STABILIZED CONSTRUCTION ENTRANCES HAVE BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOWS OF SEDIMENT ONTO ADJACENT ACCESS DRIVES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AND CONSTRUCTION OF BERM AND REPAIR AND/OR CLEANING OF ANY MATERIALS USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT ACCESS DRIVES MUST BE REMOVED IMMEDIATELY.
- DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WHICH ARE PRONE TO BLOWING FROM THE WIND WILL BE COVERED WITH A TARP.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

2. STABILIZATION PRACTICES

NO LAND AREA INCLUDING AREAS STOCKPILED WITH EARTHEN MATERIALS, WHICH HAVE BEEN CLEARED MAY BE MADE OR LEFT DEVOID OF GROWING VEGETATION FOR MORE THAN TWENTY (20) HOURS WITHOUT A PROTECTIVE COVERING SECURELY PLACED OVER THE ENTIRE AREA AND/OR EROSION CONTROL DEVICES PROPERLY INSTALLED TO PREVENT SEDIMENTS FROM ENTERING THE WATERBODY.

TEMPORARY SEED STABILIZATION SHALL BE AS FOLLOWS:
 ANY DISTURBED AREA ON WHICH ACTIVITY HAS CEASED AND WHICH WILL REMAIN EXPOSED FOR MORE THAN (24) HOURS MUST BE GRIPPED AND MULCHED IMMEDIATELY. THE SOIL SHALL BE TESTED TO DETERMINE THE AMOUNT OF AMENDMENTS NEEDED. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE RECOMMENDED RATE.

DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN ONE YEAR MAY BE HAND SEEDED AND MULCHED WITH A QUICK GROWING TEMPORARY BLENDING MIXTURE OF RYE GRASS AT A RATE OF 50 POUNDS PER ACRE AND MULCH.

DISTURBED AREAS WHICH ARE EITHER AT FINISHED GRADE OR WILL BE REDISTURBED WITHIN ONE YEAR MUST BE SEEDED AND MULCHED WITH A PERMANENT SEED MIXTURE AND MULCH. DISTRIBUTION CHANNELS, SEDIMENTATION BASINS, AND STOCKPILES MUST BE SEEDED AND MULCHED IMMEDIATELY.

ALL TEMPORARY EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED.

PERMANENT HYDROSEED STABILIZATION SHALL BE AS FOLLOWS:

SPECIES LIST

50% CRIBLING REED FESCUE (PASTORALIS)	20%
20% ANNUAL RYEGRASS (MONSIEUR)	20%
20% TARDUS "CLIMAX" (PHLEUM PRATENSE "CLIMAX")	20%
10% REEDTOP (ACROSTIS ALBA QUINCY)	10%
10% ALFALFA CLOVER (TRIFOLIUM HYBRIDUM)	10%
TOTAL	100%

NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL PERMANENT CRITICAL AREA PLANTING MIXTURE RECOMMENDATIONS, MAY BE PROVIDED THE FOLLOWING VARIETIES MIXED IN THE PROPORTIONS BY WEIGHT SHOWN.

	POUNDS PER ACRE
CREeping REED FESCUE	20
TALL FESCUE	5
PERENNIAL RYEGRASS	5
BIRDFOOT TREFOIL	10

FERTILIZER: PROVIDE FERTILIZER WHICH IS COMPLETE AND AT LEAST 80% OF THE TOTAL NITROGEN IS DERIVED FROM UREAFORM. THE BALANCE OF NITROGEN SHALL BE PRESENT AS METHYLENE UREA, WATER SOLUBLE UREA, NITRATE AND AMMONIACAL COMPOUNDS. THE FERTILIZER SHALL HAVE THE FOLLOWING ANALYSIS:

5% NITROGEN	100 POUNDS PER ACRE
10% PHOSPHORUS	100 POUNDS PER ACRE
10% POTASH	100 POUNDS PER ACRE

MULCH: HYDRO-MULCH SHALL BE CONVED HYDROMULCH OR CONVED HYDROMULCH 2000 FIBER (WITH TACK) OR APPROVED EQUAL. ALL SLURRY APPLICATIONS FOR BLENDING WITH A CELLULOSE TACKIFIER MUST BE ACCOMPANIED BY A STRAW MULCH UNDERLAYER AT THE RATE OF 3 TONS PER ACRE.

PERMANENT HYDROSEED APPLICATION RATES ARE AS FOLLOWS:
 SEED, FERTILIZER, HYDROMULCH, WATER AND INOCULATE SHALL BE THOROUGHLY MIXED IN THE HYDROSEEDING MIXING TANK PRIOR TO APPLICATION.

PERMANENT LAWN AREA APPLICATION RATES ARE AS FOLLOWS:

SEED	55 POUNDS PER ACRE
FERTILIZER	500 POUNDS PER ACRE

LIMING RATE: APPLY GROUND AGRICULTURAL LIMESTONE TO OBTAIN A PH OF 6.0 IN THE UPPER 2 INCHES OF SOIL MEETING THE FOLLOWING GRADATION REQUIREMENTS:
 50% THROUGH 20 MESHIN SIEVE
 40% THROUGH 40 MESHIN SIEVE
 10% THROUGH 100 MESHIN SIEVE

HYDROMULCH 1200 POUNDS PER ACRE
 WATER 500 GALLONS PER ACRE MINIMUM
 INOCULATE 4 TIMES MANUFACTURER'S RECOMMENDED RATE

IF MULCHING IS NOT APPLIED WITH HYDROSEED MIXTURE, (i.e. NON-GERMINATING PERIODS), APPROVED MULCHING CONSISTING OF HYDROMULCH FIBER OR STRAW SHALL BE APPLIED AT THE RATE OF 3 TONS PER ACRE. MULCHING IS TO BE TACKED INTO PLACE.

SEEDING SEASON DATES: 4/15-10/15

FERTILIZER: PROVIDE FERTILIZER WHICH IS COMPLETE AND AT LEAST 80% OF THE TOTAL NITROGEN IS DERIVED FROM UREAFORM. THE BALANCE OF NITROGEN SHALL BE PRESENT AS METHYLENE UREA, WATER SOLUBLE UREA, NITRATE AND AMMONIACAL COMPOUNDS. THE FERTILIZER SHALL HAVE THE FOLLOWING ANALYSIS:

STANDARD QUALITY COMMERCIAL FARM GRADE FERTILIZER
 16% NITROGEN
 20% PHOSPHORUS
 20% POTASH

COMBINED WITH THE METHYLENEUREA
 30% NITROGEN
 10% PHOSPHORUS
 20% POTASH

MULCH: HYDRO-MULCH SHALL BE CONVED HYDROMULCH OR CONVED HYDROMULCH 2000 FIBER (WITH TACK) OR APPROVED EQUAL. ALL SLURRY APPLICATIONS FOR BLENDING WITH A CELLULOSE TACKIFIER MUST BE ACCOMPANIED BY A STRAW MULCH UNDERLAYER AT THE RATE OF 3 TONS PER ACRE.

PERMANENT HYDROSEED APPLICATION RATES ARE AS FOLLOWS:
 SEED, FERTILIZER, HYDROMULCH, WATER AND INOCULATE SHALL BE THOROUGHLY MIXED IN THE HYDROSEEDING MIXING TANK PRIOR TO APPLICATION.

PERMANENT STEEP SLOPES:
 APPLICATION RATES ARE AS FOLLOWS:
 SEED 25 POUNDS PER ACRE
 FERTILIZER 400 POUNDS PER ACRE AT 16-0-0 AND 500 POUNDS PER ACRE AT 0-20-20

LIMING RATE: APPLY GROUND AGRICULTURAL LIMESTONE TO OBTAIN A PH OF 6.0 IN THE UPPER 2 INCHES OF SOIL MEETING THE FOLLOWING GRADATION REQUIREMENTS:
 50% THROUGH 20 MESHIN SIEVE
 40% THROUGH 40 MESHIN SIEVE
 10% THROUGH 100 MESHIN SIEVE

HYDROMULCH 1200 POUNDS PER ACRE
 WATER 500 GALLONS PER ACRE MINIMUM
 INOCULATE 4 TIMES MANUFACTURER'S RECOMMENDED RATE

IF MULCHING IS NOT APPLIED WITH HYDROSEED MIXTURE, (i.e. NON-GERMINATING PERIODS), APPROVED MULCHING CONSISTING OF HYDROMULCH FIBER OR STRAW SHALL BE APPLIED AT THE RATE OF 3 TONS PER ACRE. MULCHING IS TO BE TACKED INTO PLACE.

PROVIDE EROSION CONTROL MAT (NOEL EROSION CONTROL BLANKET OR APPROVED EQUAL) IN STEEP SLOPE AREAS AS REQUIRED FOR STABILIZATION.

SEEDING SEASON DATES: 4/15-10/15

PARKING AREAS OF THE SITE WILL BE STABILIZED BY APPLYING STONE GUS BARE.

3. CONSTRUCTION SEQUENCE OF EVENTS

ALL SOIL AND EROSION CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE OR IN THE PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
2. INSTALL BILT FENCE, CLEANING AND GRUBBING.
3. ROUGH GRADING INCLUDING SWALES.
4. BOX ROAD FOR ROAD CONSTRUCTION.
5. EXCAVATE FOR ELECTRIC AND TELEPHONE, INSTALL CONDUIT AND IMMEDIATELY BACKFILL TRENCH AND BERM, (SEE 15).
6. CONSTRUCTION OF THE ACCESS ROAD, (DIAMETER) SWALES WITH RIP-RAP LINING OR CHECK DAMS PER PLAN, CROSS CULVERT WITH RIP-RAP AND OUTLET PROTECTION.
7. CONSTRUCT STORMWATER RETENTION BASIN, PERMANENTLY STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.
8. ALDO ACCESS DRIVEWAY, REPLACE TOPSOIL ON DISTURBED AREAS TO BE SEEDED, FINE GRADE AND LAKE, FERTILIZE, SEED AND MULCH.
9. EXCAVATE FOR TOWER AND EQUIPMENT BUILDING FOUNDATIONS, ERECT TOWER AND EQUIPMENT SHELTER, ESTABLISH STONE YARD, INSTALL FENCE AND ROUGH GRADE.
10. IN THE COMPOUND AREA REPLACE TOPSOIL ON DISTURBED AREAS TO BE SEEDED, FINE GRADE AND LAKE, FERTILIZE, SEED AND MULCH AREA.
11. INSTALLATION OF RIP-RAP SLOPE PROTECTION.
12. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS REMAINING AFTER SOIL UNIFORM VEGETATIVE COVER STABILIZATION IS ACHIEVED, AREAS DISTURBED DURING REMOVAL OF THE CONTROLS MUST BE STABILIZED IMMEDIATELY.

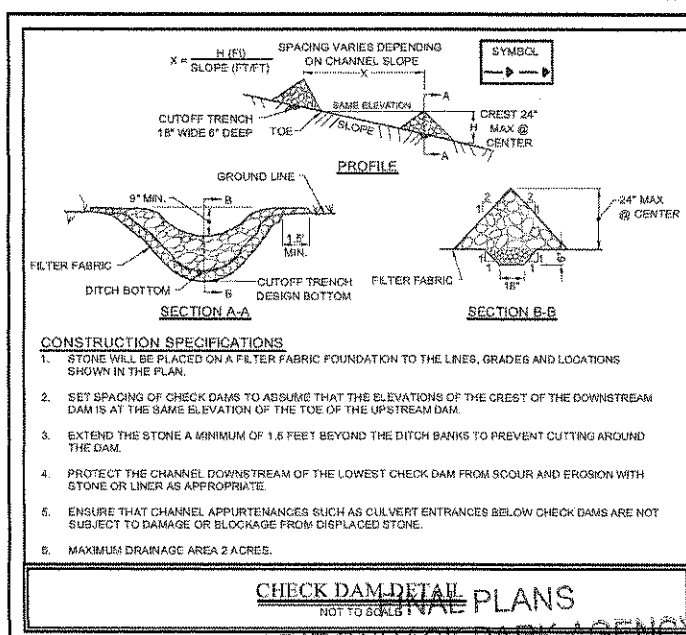
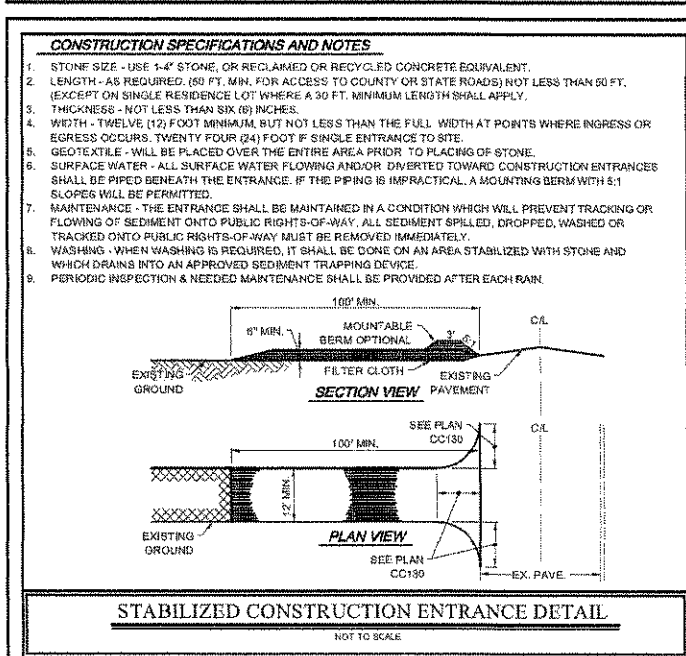
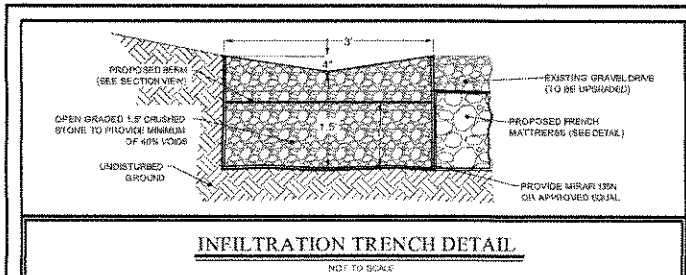
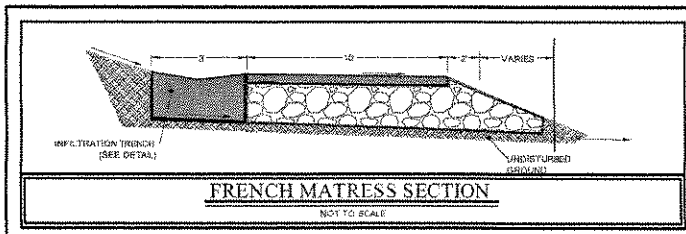
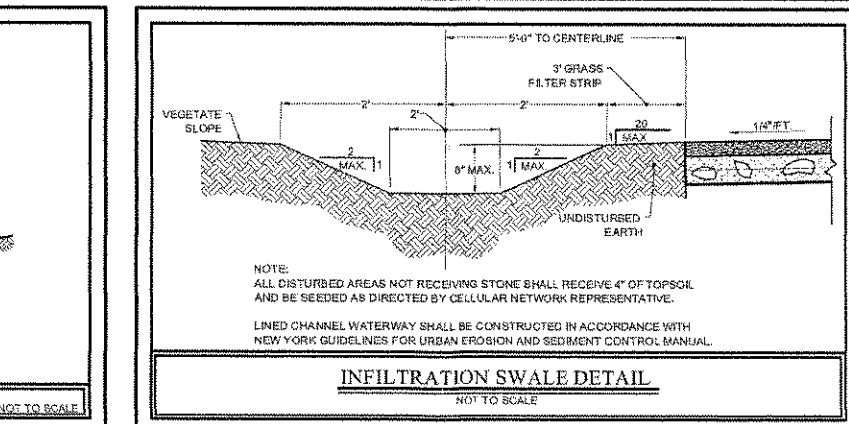
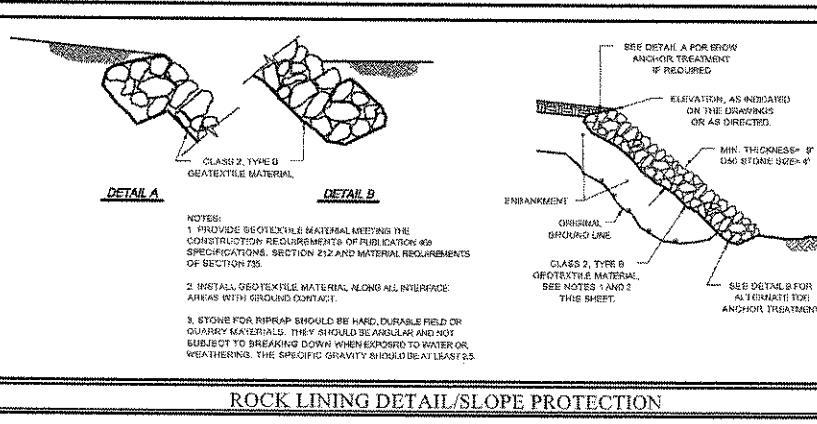
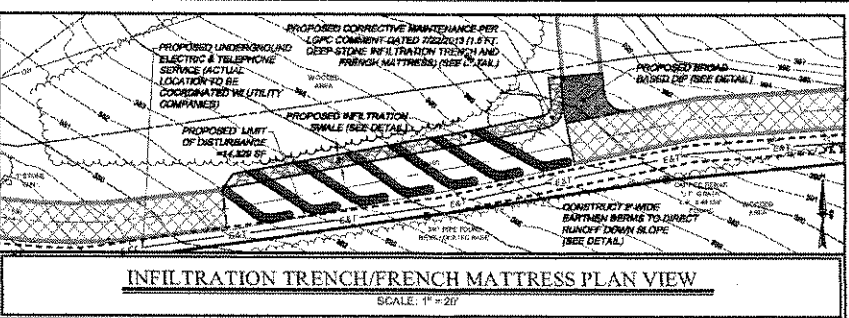
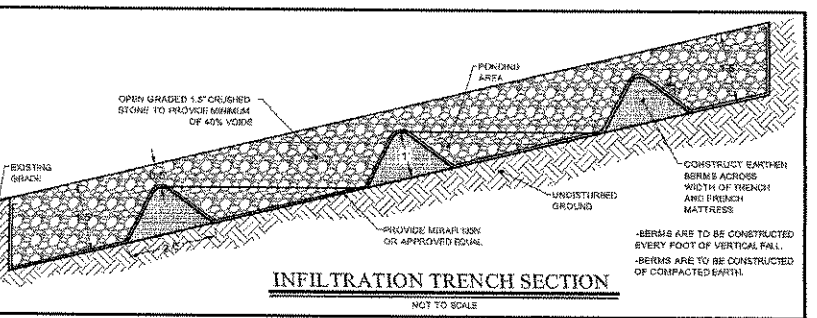
NOTE: THESE ACTIVITIES SHALL BE PERFORMED IN SUCH A MANNER THAT ALL COMPONENTS OF ACTIVITIES WILL BE COMPLETED AND STABILIZED WITH ONE OF THESE FOLLOWING METHODS BEFORE PROCEEDING TO THE NEXT SECTION:
 - RIP-RAP SLOPE PROTECTION AND PROTECTION.
 - COMPACTED STONE BASE ON THE ROAD.

4. MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL, INSPECTION AND MAINTENANCE PRACTICES:
 IN ADDITION TO PROCEDURES OUTLINED IN "CONSTRUCTION SEQUENCES", THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS UNTIL THE SITE IS PERMANENTLY STABILIZED.

- ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK BY THE CONTRACTOR FOLLOWING ANY STORM EVENT.
- ALL PREVENTATIVE AND REPAIR MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, DEMOLISHING, AND RESETTling, MUST BE PERFORMED IMMEDIATELY.
- BILT FENCE WILL BE INSPECTED FOR DEPTH OF SEGMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
- TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS AND HEALTHY GROWTH.

CONSTRUCTION SEQUENCE OF MAJOR ACTIVITIES AND INSTALLATION AND MAINTENANCE OF EROSION CONTROL DEVICES



CHECK DAM DETAIL
 NOT TO SCALE
 ADIRONDACK PARK AGENCY
 P 2013 - 126
 DATE: 6-2014

RECEIVED
 MAR 31 2014
 ADIRONDACK PARK AGENCY

verizon wireless
 175 CALKINS ROAD
 ROCHESTER, NEW YORK 14623

Costich Engineering
 Civil Engineering
 Land Surveying
 Landscape Architecture
 217 Lake Avenue
 ROCHESTER, NY 14603
 (585) 453-3020

DESIGN APPROVAL

PRELIMINARY CONSTRUCTION

RF ENG. _____ DATE: _____
 EQUIP. ENG. _____ DATE: _____
 OPERATIONS _____ DATE: _____
 CONST. MGR. _____ DATE: _____
 NETWORK ENG. _____ DATE: _____
 REAL ESTATE _____ DATE: _____

WORK ORDER NUMBER _____ DRAWN BY _____

NO.	DATE	REV. COMPOUND CONFIG.	ISSUE
1	7/2/2010		
2	8/01/2012		MISC. REVS
3	8/1/2013		MISC. REVS
4	6/19/2013		REV. PER LGPC COMMENTS
5	9/3/2013		REV. PER LGPC COMMENTS
6	1/16/2014		PER APA COMMENTS

RELEASED BY _____ DATE _____

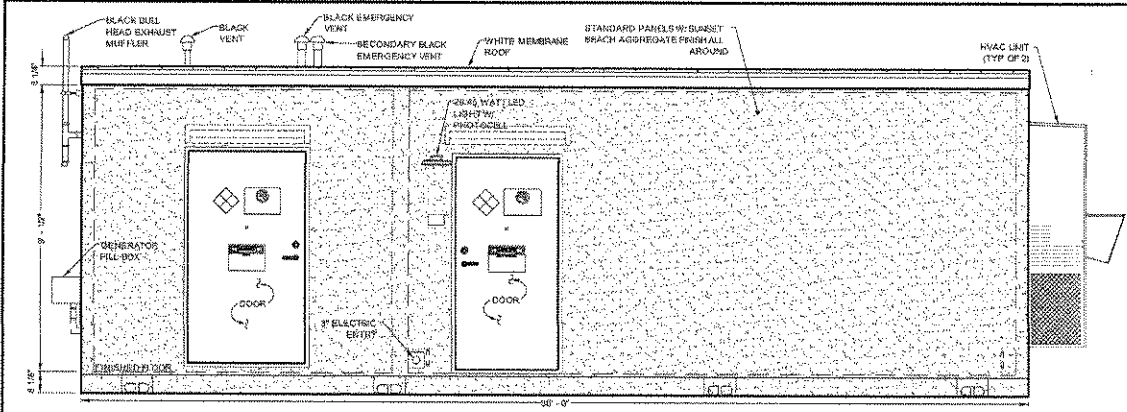
STATE OF NEW YORK
 PROFESSIONAL ENGINEERING
 D.A.W.
 C.D.M.
 DATE: 6/23/2010
 SEAL AS SHOWN

COSTICH ENGINEERING, P.C.
 217 LAKE AVENUE
 ROCHESTER, NEW YORK 14603
 (585) 453-3020

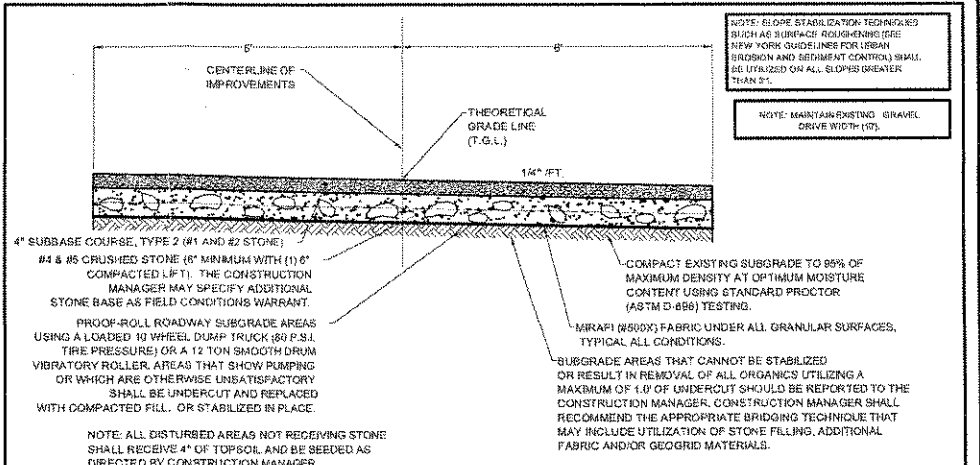
ORIGINAL SIZE IN INCHES
 1 2 3
 SITE INFORMATION
 SPRUCE MOUNTAIN
 LOCATION CODE 182107
 PROJECT# 2007248961
 GULL BAY ROAD/12861

TOWN OF PUTNAM
 COUNTY OF WASHINGTON
 STATE OF NEW YORK

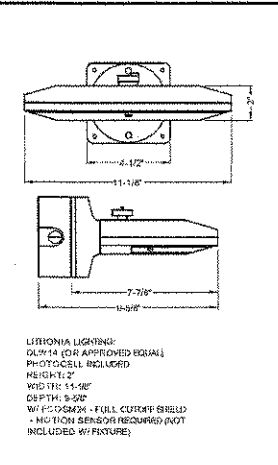
DETAIL SHEET
 1 OF 3
 C.E. JOB NUMBER SHEET NUMBER
 4322 CA500
 SHEET 8 OF 18



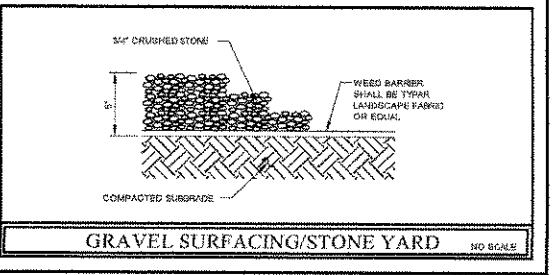
FRONT ELEVATION
TYPICAL 11'-7" x 30'-0" EQUIPMENT BUILDING



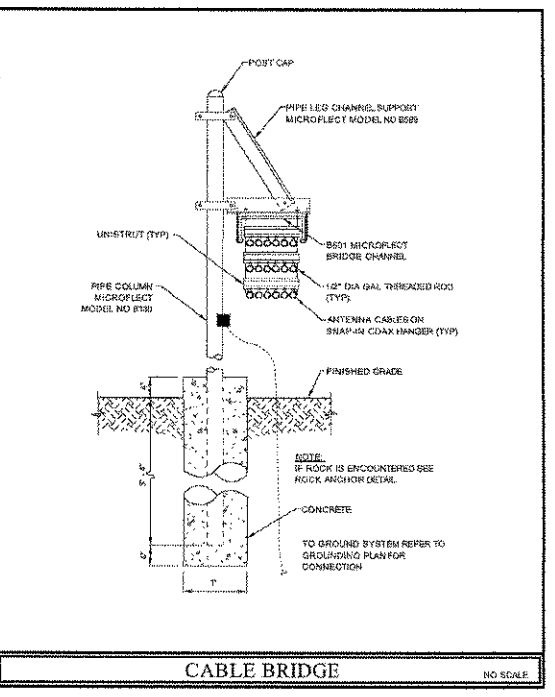
PROPOSED GRAVEL DRIVE DETAIL



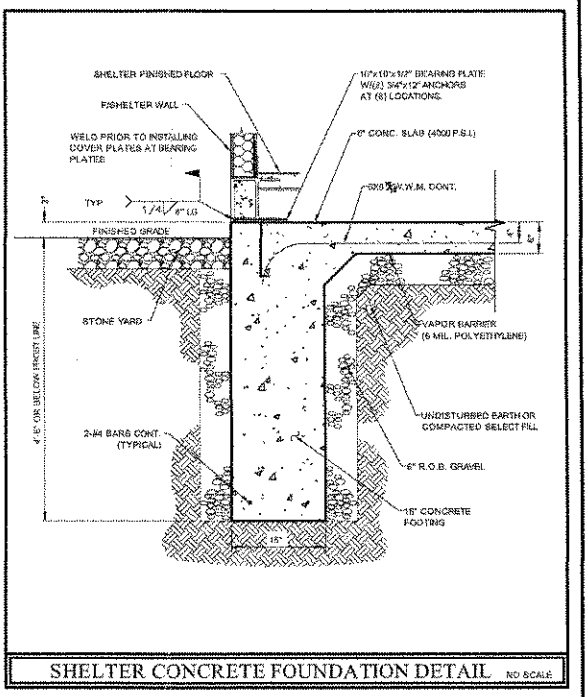
SHELTER MOUNTED LIGHT DETAIL



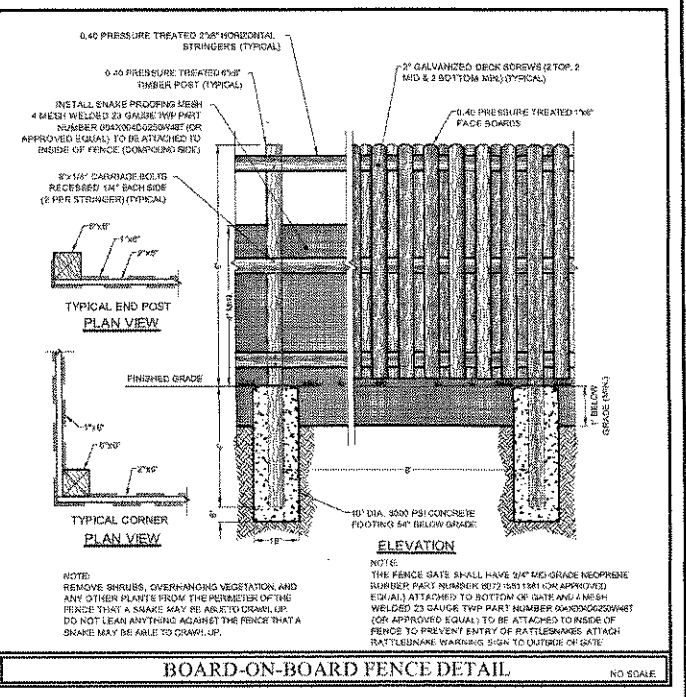
GRAVEL SURFACING/STONE YARD



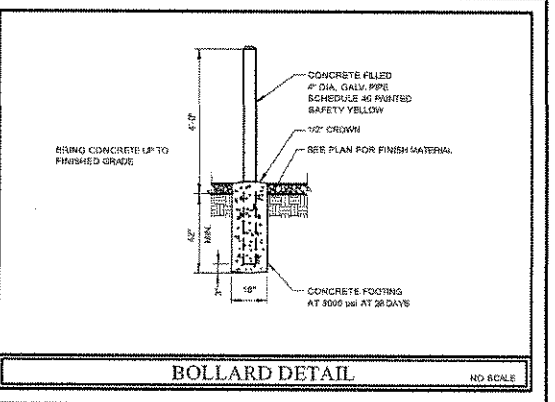
CABLE BRIDGE



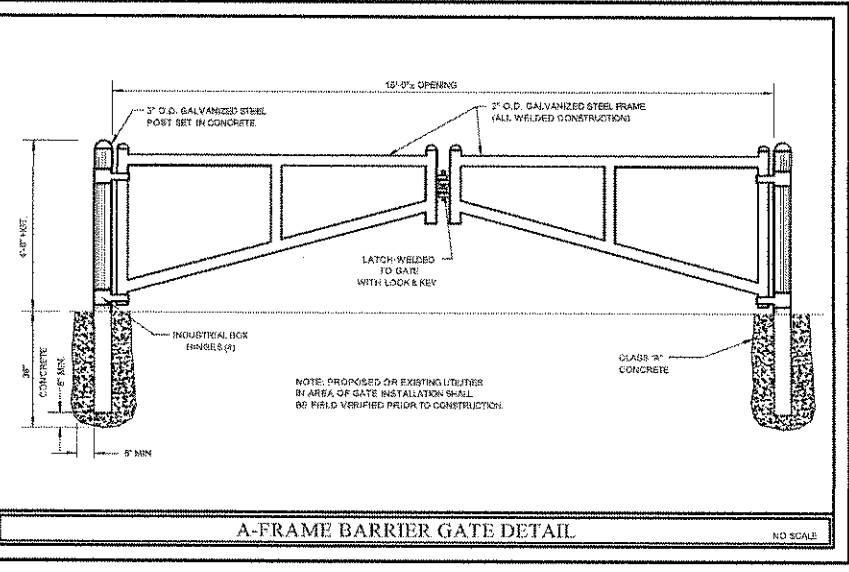
SHELTER CONCRETE FOUNDATION DETAIL



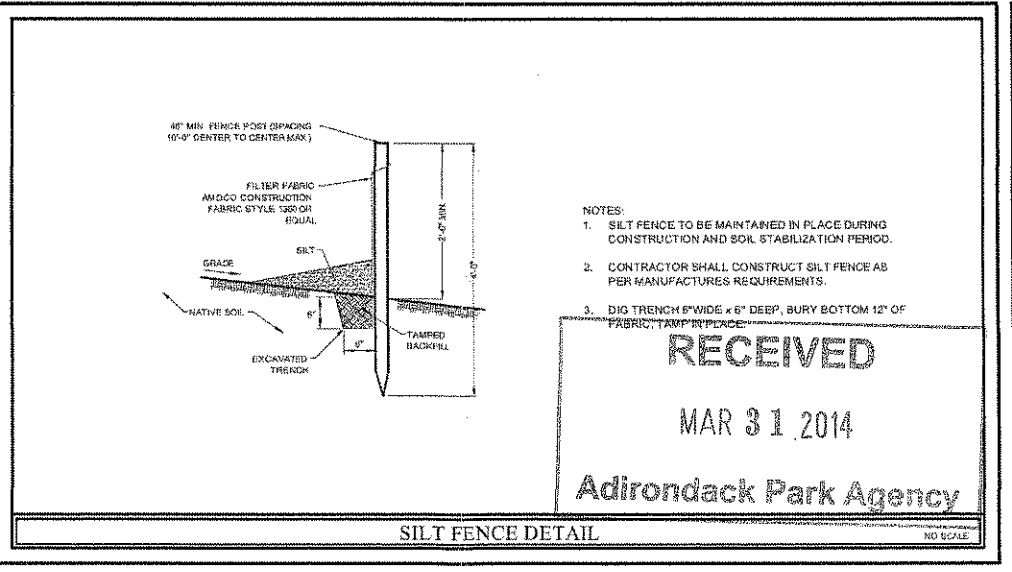
BOARD-ON-BOARD FENCE DETAIL



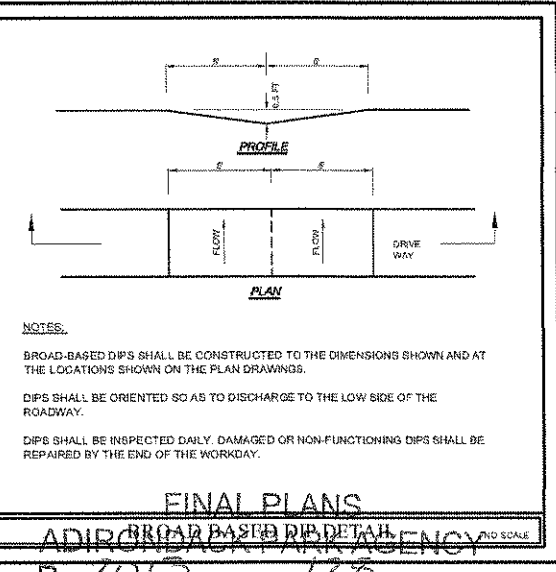
BOLLARD DETAIL



A-FRAME BARRIER GATE DETAIL



SILT FENCE DETAIL



BROAD-BASED DIP DETAIL

verizon wireless
175 CALKINS ROAD
ROCHESTER, NEW YORK 14623

Costich Engineering
Civil Engineering
Land Surveying
Landscape Architecture
317 Labo Avenue
Rochester, NY 14608
585-4253200

DESIGN APPROVAL

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6	3/7/2014	PER APA COMMENTS

RELEASED BY: _____ DATE: _____

STATE OF NEW YORK
Professional Engineer
C.D.M.
6/23/2010
SCALE AS SHOWN

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ORIGINAL SIZE IN INCHES

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LOCATION CODE 182107
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**TOWN OF PUTNAM
COUNTY OF WASHINGTON
STATE OF NEW YORK**

**DETAIL SHEET
2 OF 3**

G.E. JOB NUMBER: **4322** SHEET NUMBER: **CA501**

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MAR 31 2014
Adirondack Park Agency

FINAL PLANS
ADIRONDACK PARK AGENCY

DATE: 6-2014

