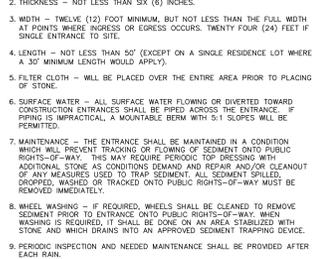
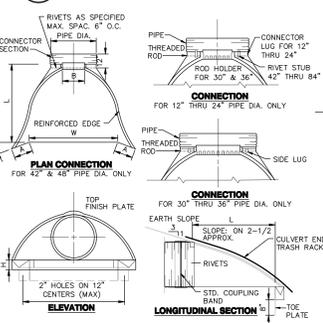


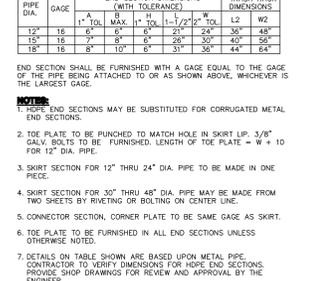
**1 STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
SCALE: NOT TO SCALE



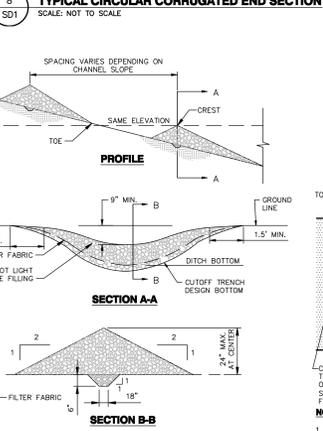
**2 SILT FENCE INSTALLATION DETAIL**  
SCALE: NOT TO SCALE



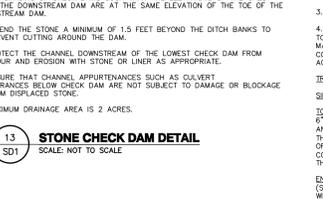
**3 TYPICAL END SECTION**  
SCALE: NOT TO SCALE



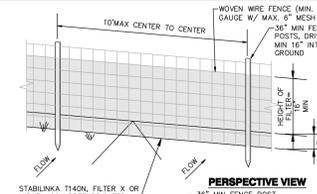
**4 TYPICAL CIRCULAR CORRUGATED END SECTION**  
SCALE: NOT TO SCALE



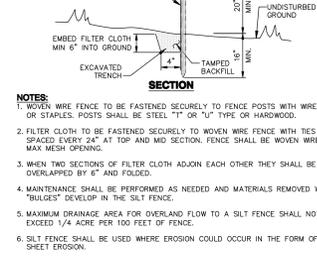
**5 STONE CHECK DAM DETAIL**  
SCALE: NOT TO SCALE



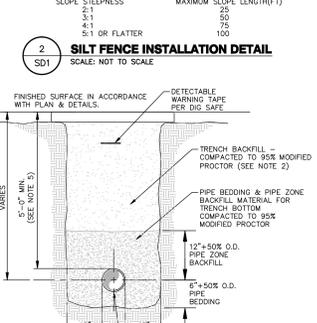
**6 EROSION CONTROL BLANKET INSTALLATION DETAIL**  
SCALE: NTS



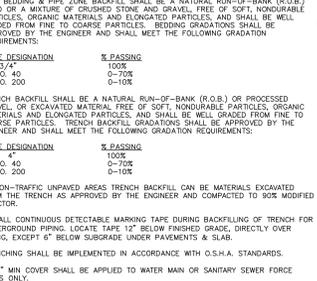
**7 TEMPORARY SOIL STOCKPILE DETAIL**  
SCALE: NOT TO SCALE



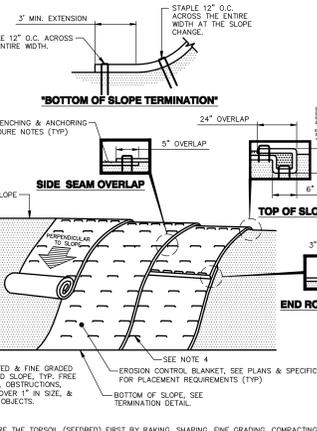
**8 6' HIGH TEMPORARY CHAIN LINK FENCE**  
SCALE: NTS



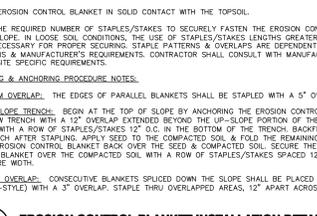
**9 TYPICAL TEMPORARY GATE DETAIL**  
SCALE: NOT TO SCALE



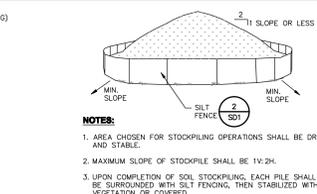
**10 SECTION THRU SEDIMENT CONTROL & DETENTION FACILITY EMERGENCY OVERFLOW WEIR**  
SCALE: NOT TO SCALE



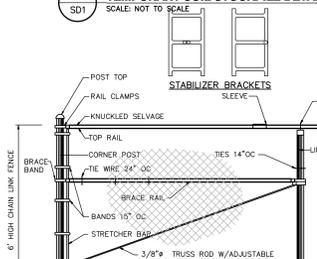
**11 RIP-RAP OUTLET SEDIMENT TRAP**  
SCALE: NOT TO SCALE



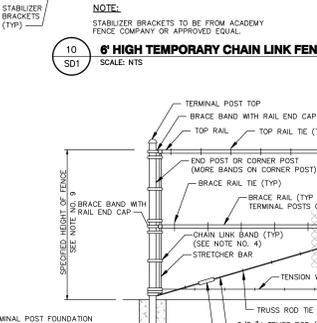
**12 PARKING & LAYDOWN AREA LIGHT POLE DETAIL (TYPICAL)**  
SCALE: NOT TO SCALE



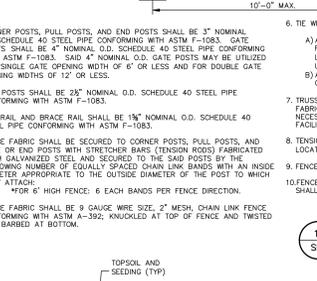
**13 TEMPORARY TOPSOIL, FERTILIZER, SEED & MULCH DETAIL**  
SCALE: NOT TO SCALE



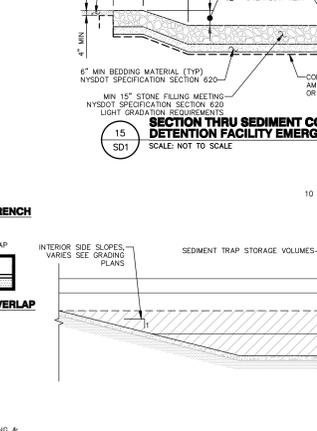
**14 TEMPORARY GRASS LINED SWALE DETAIL**  
SCALE: NOT TO SCALE



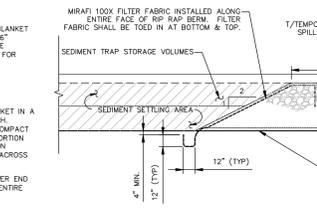
**15 SEDIMENT MARKER**  
SCALE: NOT TO SCALE



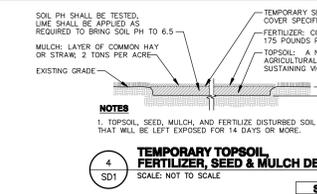
**16 END SECTION WITH STONE LINED APRON DETAIL**  
SCALE: NOT TO SCALE



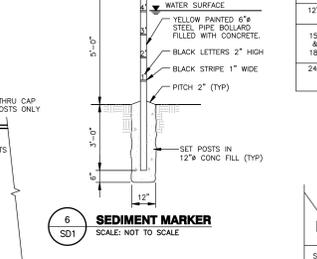
**17 RIP-RAP OUTLET SEDIMENT TRAP**  
SCALE: N.T.S.



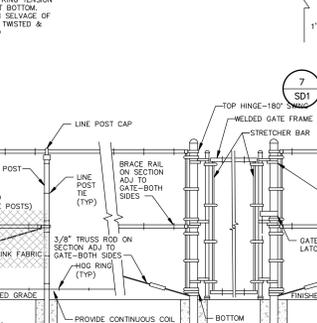
**18 TYPICAL SECTION THRU TEMPORARY OVERFLOW WEIR**  
SCALE: NOT TO SCALE



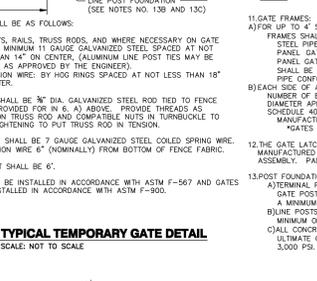
**19 TYPICAL TEMPORARY GATE DETAIL**  
SCALE: NOT TO SCALE



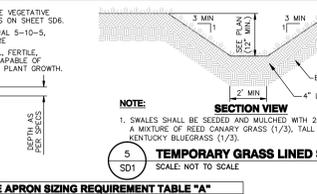
**20 SECTION THRU SEDIMENT CONTROL & DETENTION FACILITY EMERGENCY OVERFLOW WEIR**  
SCALE: NOT TO SCALE



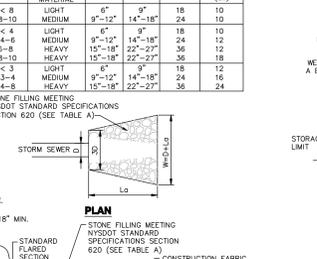
**21 RIP-RAP OUTLET SEDIMENT TRAP**  
SCALE: NOT TO SCALE



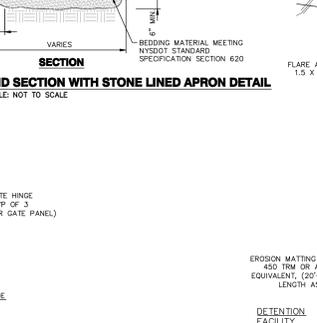
**22 PARKING & LAYDOWN AREA LIGHT POLE DETAIL (TYPICAL)**  
SCALE: NOT TO SCALE



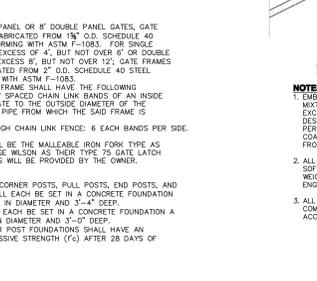
**23 STONE APRON SIZING REQUIREMENT TABLE "A"**



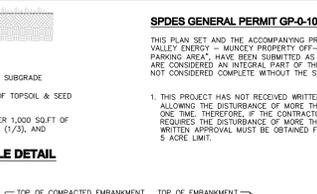
**24 SEDIMENT MARKER**  
SCALE: NOT TO SCALE



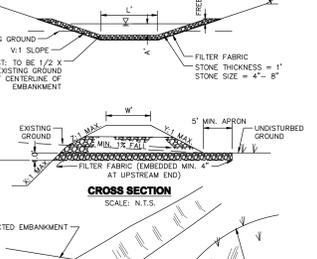
**25 END SECTION WITH STONE LINED APRON DETAIL**  
SCALE: NOT TO SCALE



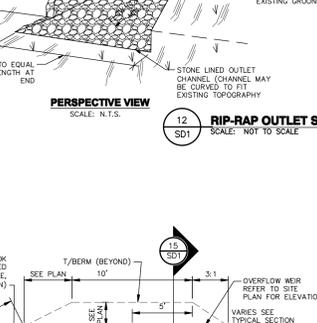
**26 RIP-RAP OUTLET SEDIMENT TRAP**  
SCALE: NOT TO SCALE



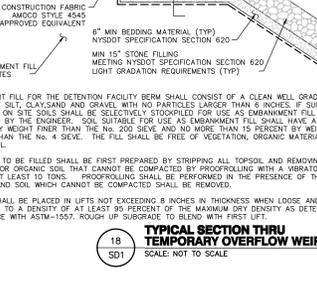
**27 TYPICAL SECTION THRU TEMPORARY OVERFLOW WEIR**  
SCALE: NOT TO SCALE



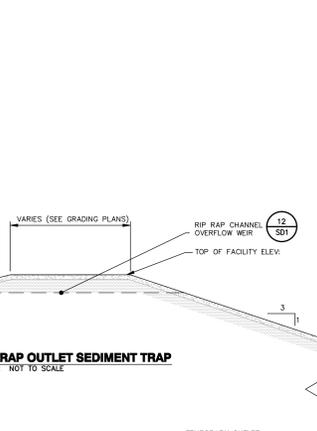
**28 TYPICAL CIRCULAR CORRUGATED END SECTION**  
SCALE: NOT TO SCALE



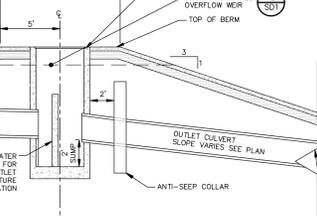
**29 SILT FENCE INSTALLATION DETAIL**  
SCALE: NOT TO SCALE



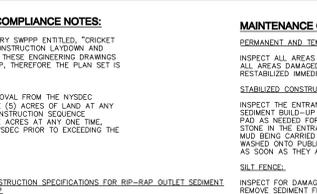
**30 STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
SCALE: NOT TO SCALE



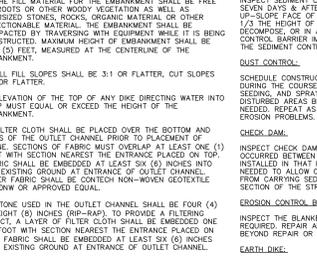
**31 6' HIGH TEMPORARY CHAIN LINK FENCE**  
SCALE: NTS



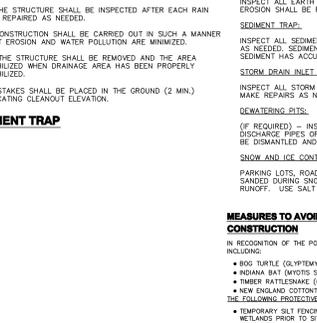
**32 TYPICAL TEMPORARY GATE DETAIL**  
SCALE: NOT TO SCALE



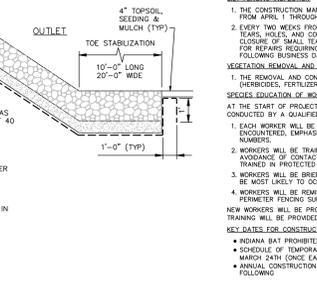
**33 SECTION THRU SEDIMENT CONTROL & DETENTION FACILITY EMERGENCY OVERFLOW WEIR**  
SCALE: NOT TO SCALE



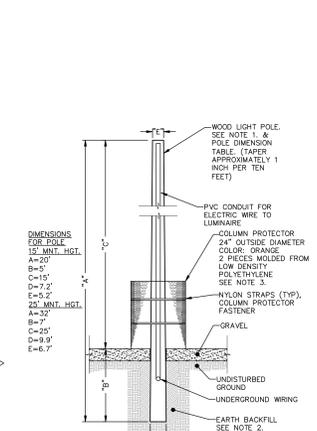
**34 RIP-RAP OUTLET SEDIMENT TRAP**  
SCALE: NOT TO SCALE



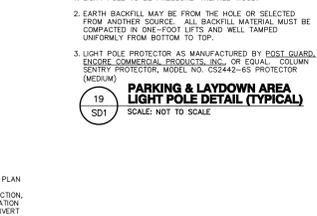
**35 PARKING & LAYDOWN AREA LIGHT POLE DETAIL (TYPICAL)**  
SCALE: NOT TO SCALE



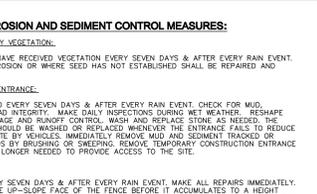
**36 TYPICAL SECTION THRU TEMPORARY OVERFLOW WEIR**  
SCALE: NOT TO SCALE



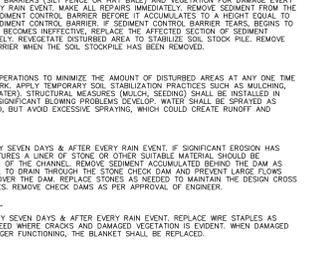
**37 TYPICAL CIRCULAR CORRUGATED END SECTION**  
SCALE: NOT TO SCALE



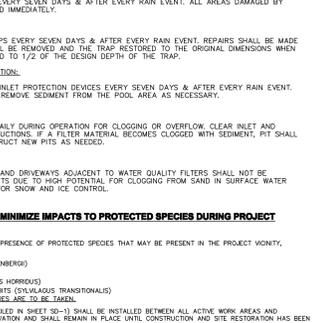
**38 SILT FENCE INSTALLATION DETAIL**  
SCALE: NOT TO SCALE



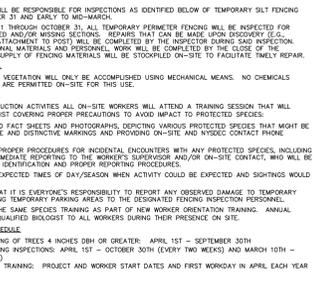
**39 STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
SCALE: NOT TO SCALE



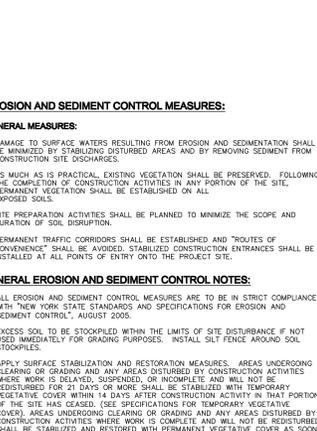
**40 6' HIGH TEMPORARY CHAIN LINK FENCE**  
SCALE: NTS



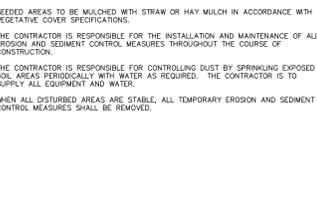
**41 TYPICAL TEMPORARY GATE DETAIL**  
SCALE: NOT TO SCALE



**42 SECTION THRU SEDIMENT CONTROL & DETENTION FACILITY EMERGENCY OVERFLOW WEIR**  
SCALE: NOT TO SCALE



**43 RIP-RAP OUTLET SEDIMENT TRAP**  
SCALE: NOT TO SCALE



**44 PARKING & LAYDOWN AREA LIGHT POLE DETAIL (TYPICAL)**  
SCALE: NOT TO SCALE

**SPDES GENERAL PERMIT GP-10-001 COMPLIANCE NOTES:**

THIS PLAN SET AND THE ACCOMPANYING PRELIMINARY SWPPP ENTITLED, "CRICKET VALLEY ENERGY REMOTE LAYDOWN SITE CONSTRUCTION LAYDOWN AND EROSION CONTROL PLAN," HAVE BEEN SUBMITTED AS A SET. THESE ENGINEERING DRAWINGS REPRESENT AN INTEGRAL PART OF THE SWPPP. THEREFORE, THE PLAN SET IS NOT CONSIDERED COMPLETE WITHOUT THE SWPPP.

1. THIS PROJECT HAS NOT RECEIVED WRITTEN APPROVAL FROM THE NYSECC ALLOWING THE DISTURBANCE OF MORE THAN FIVE (5) ACRES OF LAND AT ANY ONE LOCATION. THE DISTURBANCE OF MORE THAN FIVE ACRES AT ANY ONE TIME REQUIRES THE DISTURBANCE OF MORE THAN FIVE ACRES AT ANY ONE TIME. APPROVAL MUST BE OBTAINED FROM NYSECC PRIOR TO EXCEEDING THE 5 ACRE LIMIT.

**MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:**

**PERMANENT AND TEMPORARY VEGETATION:**

INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND REVEGETATED IMMEDIATELY.

**STABILIZED CONSTRUCTION ENTRANCE:**

INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR SOIL. SEEDING SHALL BE APPLIED TO THE ENTRANCE PAD IMMEDIATELY TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF THE FENCE BEGINS TO DECOMPOSE, OR IN ANY MANNER BECOMES INOPERATIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

**SOIL STOCKPILE:**

INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE BARRIERS BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE BARRIERS. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAM AS NEEDED TO ALLOW CHANNEL TO DRAIN THROUGH THE CHECK DAM AND PREVENT LARGE FLOWS FROM BEING RELEASSED OVER THE DAM. REPLACE THE DAM IMMEDIATELY IF THE DESIGN CROSS SECTION OF THE STRUCTURES. REMOVE CHECK DAMS AS PER APPROVAL OF ENGINEER.

**EROSION CONTROL BLANKET:**

INSPECT THE BLANKET EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPLACE WIRE STAPLES AS REQUIRED. REPAIR AND RESEED WHERE CRACKS AND DAMAGED VEGETATION IS EVIDENT. WHEN DAMAGED BEYOND REPAIR OR NO LONGER FUNCTIONING, THE BLANKET SHALL BE REPLACED.

**EARTH DIRT:**

INSPECT ALL EARTH DIRT EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION SHALL BE REPAIRED IMMEDIATELY.

**TEMPORARY SILT:**

INSPECT ALL SILT AREAS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION SHALL BE REPAIRED IMMEDIATELY.

**STORM DRAIN INLET PROTECTION:**

INSPECT ALL STORM DRAIN INLET PROTECTION DEVICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE REPAIRS AS NEEDED, REMOVE SEDIMENT FROM THE POOL AREA AS NECESSARY.

**CLEANING PITS:**

(IF REQUIRED) - INSPECT DAILY DURING OPERATION FOR CLOGGING OR OVERFLOW. CLEAN INLET AND DISCHARGE. IF A FILTER MATERIAL BECOMES CLOGGED WITH SEDIMENT, PIT SHALL BE DISMANTLED AND CONSTRUCT NEW PITS AS NEEDED.

**SNOW AND ICE CONTROL:**

PARKING LOTS, ROADWAYS, AND DRIVEWAYS ADJACENT TO WATER QUALITY FILTERS SHALL NOT BE SANDED DURING SNOW EVENTS DUE TO HIGH POTENTIAL FOR CLOGGING FROM SAND. SURFACE WATER RUNOFF. USE SALT ONLY FOR SNOW AND ICE CONTROL.

**MEASURES TO AVOID AND MINIMIZE IMPACTS TO PROTECTED SPECIES DURING PROJECT CONSTRUCTION**

IN RECOGNITION OF THE POTENTIAL PRESENCE OF PROTECTED SPECIES THAT MAY BE PRESENT IN THE PROJECT VOYNT, INCLUDING:

- BLUE TURTLE (GYPHYSERUS MICHENERI)
- HADAM BAY (NOCTUID MOTMOT)
- THREE RATTLESNAKE (ELAPHOIDUS)
- NEW ENGLAND COTTONTAIL RABBIT (SIPHOCALUS TRANSVERSALIS)
- SCARLET TAIL (CERTHIA MINOR)

TEMPORARY SILT FENCING (DETAILED IN SHEET SD-1) SHALL BE INSTALLED BETWEEN ALL ACTIVE WORK AREAS AND RESTORATION AREAS PRIOR TO SITE EXCAVATION AND SHALL REMAIN IN PLACE UNTIL CONSTRUCTION AND SITE RESTORATION HAS BEEN COMPLETED.

REMOVAL OF TREES 4 INCHES IN DIAMETER AT BREAST HEIGHT (80" OR GREATER) WILL BE RESTRICTED TO THE PERIOD BETWEEN APRIL 15<sup>TH</sup> AND MARCH 31<sup>ST</sup>.

BRIGHT ORANGE CONSTRUCTION FABRIC WILL BE DEPLOYED TO DEMARCAT THE LIMITS OF TREE CLEARING AND GRASS AND SILT FENCING.

THE CONSTRUCTION MANAGER WILL BE RESPONSIBLE FOR INSPECTING AS IDENTIFIED BELOW TEMPORARY SILT FENCING FROM APRIL 15<sup>TH</sup> THROUGH OCTOBER 31<sup>ST</sup> TO ENSURE THE CONSTRUCTION FENCING WILL BE INSPECTED FOR TEARS, HOLES, AND COMPROMISED MISSING SECTIONS. REPAIRS THAT CAN BE MADE UPON DISCOVERY (E.G. REPAIRING MISSING SECTIONS, REPAIRING TEARS, AND REPAIRING MISSING SECTIONS) SHALL BE COMPLETED BY THE FOLLOWING BIDDING AND CONSTRUCTION MATERIALS WILL BE STOCKPILED ON-SITE TO FACILITATE THEIR REPAIR.

VEGETATION REMOVAL AND CONTROL:

1. THE REMOVAL AND CONTROL OF VEGETATION WILL ONLY BE ACCOMPLISHED USING MECHANICAL MEANS. NO CHEMICALS (HERBICIDES, FERTILIZERS, ETC.) ARE PERMITTED FOR USE FOR THIS USE.

**SPECIES EDUCATION OF WORKERS:**

AT THE START OF PROJECT CONSTRUCTION ACTIVITIES ALL ON-SITE WORKERS WILL ATTEND A TRAINING SESSION THAT WILL CONDUCT BY A QUALIFIED BIOLOGIST COVERING PROPER PRECAUTIONS TO AVOID IMPACT TO PROTECTED SPECIES.

1. WORKERS WILL BE PROVIDED WITH TRAINING MATERIALS AND PHOTOGRAPHS OF PROTECTED SPECIES THAT MUST BE IDENTIFIED, EMPHASIZING SIZE AND DISTINCTIVE MARKINGS AND PROVIDING ON-SITE AND NYSECC CONTACT PHONE NUMBERS.

2. WORKERS WILL BE TRAINED ON PROPER PROCEDURES FOR INCIDENTAL ENCOUNTERS WITH ANY PROTECTED SPECIES, INCLUDING AVOIDANCE OF CONTACT WITH PROTECTED SPECIES AND REPORTING PROCEDURES.

3. WORKERS WILL BE PROVIDED WITH TRAINING MATERIALS AND PHOTOGRAPHS OF PROTECTED SPECIES THAT MUST BE IDENTIFIED, EMPHASIZING SIZE AND DISTINCTIVE MARKINGS AND PROVIDING ON-SITE AND NYSECC CONTACT PHONE NUMBERS.

4. WORKERS WILL BE TRAINED ON PROPER PROCEDURES FOR INCIDENTAL ENCOUNTERS WITH ANY PROTECTED SPECIES, INCLUDING AVOIDANCE OF CONTACT WITH PROTECTED SPECIES AND REPORTING PROCEDURES.

5. WORKERS WILL BE PROVIDED WITH TRAINING MATERIALS AND PHOTOGRAPHS OF PROTECTED SPECIES THAT MUST BE IDENTIFIED, EMPHASIZING SIZE AND DISTINCTIVE MARKINGS AND PROVIDING ON-SITE AND NYSECC CONTACT PHONE NUMBERS.

KEY DATES FOR CONSTRUCTION SCHEDULE:

- HADAM BAY PROHIBITED CLEARING OF TREES 4 INCHES DBH OR GREATER: APRIL 15<sup>TH</sup> - SEPTEMBER 30<sup>TH</sup>
- SCHEDULE OF TEMPORARY FENCING INSPECTIONS: APRIL 15<sup>TH</sup> - OCTOBER 31<sup>ST</sup> EVERY TWO WEEKS AND MARCH 10<sup>TH</sup> - MARCH 24<sup>TH</sup> (ONCE EACH YEAR)
- ANNUAL CONSTRUCTION WORKER TRAINING: PROJECT AND WORKER START DATES AND FIRST WORKDAY IN APRIL EACH YEAR FOLLOWING CONSTRUCTION YEAR.

**EROSION AND SEDIMENT CONTROL MEASURES:**

**GENERAL MEASURES:**

1. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES.
2. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
3. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.
4. PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "POUTES OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION AREAS SHALL BE INSTALLED AT ALL POINTS OF ENTRY TO THE PROJECT SITE.

**GENERAL EROSION AND SEDIMENT CONTROL NOTES:**

1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL," AUGUST 2005.
2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES. INSTALL SILT FENCE AROUND SOIL STOCKPILES.
3. APPLY SURFACE STABILIZATION AND RESTORATION MEASURES: AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE STABILIZED AND RESTORED WITH PERMANENT VEGETATION COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETED. SEE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETED. PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PERMANENT VEGETATIVE COVER SHALL BE WITHIN 14 DAYS AFTER WORK IS COMPLETED. PERMANENT VEGETATIVE COVER SHALL BE WITHIN 14 DAYS AFTER WORK IS COMPLETED.
4. SEEDED AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING SUDS BY SPRINKLING EXPOSED SOIL AREAS PERMANENTLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND MATERIALS FOR VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETED.
7. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED.

**PROJECT NAME:** CRICKET VALLEY ENERGY - REMOTE LAYDOWN SITE

**DEVELOPER:** CRICKET VALLEY ENERGY CENTER, LLC.

**OWNER OF RECORD:** JAMES MUNCEY  
344 LAKE ELLIS RD  
WINGDALE, NEW YORK 12594

**Dig Safely. New York.**  
800-662-7902

**THE CHAZEN COMPANIES**  
Engineers/Surveyors  
Planners  
Environmental Scientists  
Landscape Architects

**CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.**

Office Locations:  
 Dutchess County Office: 1000 Route 1210, P.O. Box 1210, Wappinger, NY 12589  
 Ulster County Office: 1000 Route 1210, P.O. Box 1210, Wappinger, NY 12589  
 Dutchess County Office: 1000 Route 1210, P.O. Box 1210, Wappinger, NY 12589

NO.	DATE	DESCRIPTION
1	08/27/12	ADDED PROTECTED SPECIES NOTES
2	08/27/12	REVISED PER TOWN & CLIENT COMMENTS
3	08/27/12	REVISED PER TOWN & CLIENT COMMENTS

**CRICKET VALLEY ENERGY REMOTE LAYDOWN SITE PRELIMINARY TYPICAL SITE, EROSION AND SEDIMENT CONTROL NOTES & DETAILS**

NY5 ROUTE 22, TOWN OF DOVER PLAINS, DUTCHESS COUNTY, NEW YORK

NO.	DATE	DESCRIPTION
1	08/27/12	ADDED PROTECTED SPECIES NOTES
2	08/27/12	REVISED PER TOWN & CLIENT COMMENTS
3	08/27/12	REVISED PER TOWN & CLIENT COMMENTS

**ISSUED FOR PRELIMINARY USE ONLY**

drawn: [ ] checked: [ ]  
 title: [ ] scale: [ ]  
 date: 02/24/12 1:50  
 project: [ ]  
 sheet no.: 81001.01  
 of: [ ]

**SD1**