SURVEY REFERENCE:

1. BOUNDARY AND TOPOGRAPHIC SURVEY TAKEN FROM "SURVEY OF PROPERTY PREPARED FOR CRICKET VALLEY ENERGY CENTER, LLC" PREPARED BY ZARECKI & ASSOCIATES, LLC SURVEY DATED JUNE 3, 2009, LAST REVISED OCTOBER 11, 2011.

GP-0-10-00 COMPLIANCE NOTES:

PRELIMINARY EROSION AND SEDIMENT CONTROL NOTES:

1. SITE CONSTRUCTION WILL NEED TO PROCEED WITH GREATER THAN 5–ACRES OF SOIL DISTURBED AT A GIVEN TIME. AS THE DEVELOPMENT PLAN IS REFINED DURING THE SITE PLAN REVIEW AND PERMITTING PROCESS, A WAIVER TO DISTURB GREATER THAN 5–ACRES OF SOIL WILL BE REQUESTED FROM THE NYSDEC.
2. THE PROJECT SHALL NOT DISTURB 20 OR MORE ACRES OF LAND AT ONE TIME FOLLOWING AUGUST 1, 2011, AND SHALL NOT DISTURB MORE THAN 10 OR MORE ACRES OF LAND AT ONE TIME FOLLOWING FEBRUARY 2, 2014. SHOULD THE PROJECT DISTURB MORE THAN THE SPECIFIED AREAS DURING THE TIME PERIODS LISTED HEREIN, PROJECT SPONSOR SHALL SAMPLE STORM WATER DISCHARGES AND REPORT LEVELS OF TURBIDITY IN THE DISCHARGES IN ACCORDANCE WITH REQUIREMENTS AND METHODS TO BE ESTABLISHED BY THE ENVIRONMENTAL PROTECTION AGENCY.
3. BECAUSE THIS PROJECT WILL INVOLVES THE DISTURBANCE OF GREATER THAN FIVE ACRES OF SOIL AT ANY ONE TIME, SITE INSPECTIONS SHALL OCCUR AT AN INTERVAL OF AT LEAST TWICE EVERY SEVEN CALENDAR DAYS, WITH THE INSPECTIONS SEPARATED BY A MINIMUM OF AT LEAST TWO FULL CALENDAR DAYS.

PRELIMINARY EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCING SCHEDULE

PRE–DEMOLITION:

1. SCHEDULE A PRE–CONSTRUCTION MEETING WHICH SHALL INCLUDE THE TOWN OF DOVER AUHTORIZED REPRESENTATIVE; QPESC*; CONTRACTOR AND ANY INVOLVED SUBCONTRACTORS TO DISCUSS RESPONSIBILITIES AS THEY RELATE TO THE IMPLEMENTATION OF THE SWPPP.
2. DELINEATE THE STAGING AREAS TO BE USED FOR DEMOLITION ACTIVITIES. INSTALL CONSTRUCTION FENCE AS NECESSARY.
3. ESTABLISH THE STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON THIS SHEET.
4. INSTALL SILT FENCE BARRIERS AS SHOWN ON THIS SHEET.
5. INSTALL ACCESS DRIVE TO ADJOINING PROPERTY TO SOUTH.
6. PRIOR TO COMMENCEMENT OF DEMOLITION, CONTACT QPESC AND TOWN OF DOVER AUHTORIZED REPRESENTATIVE TO CONDUCT AN ASSESSMENT OF THE SITE AND CERTIFY THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROL STRUCTURES HAVE BEEN ADEQUATELY INSTALLED AND IMPLEMENTED. DO NOT PROCEED WITH DEMOLITION ACTIVTIES UNTIL QPESC CERTIFIES THE INSTALLATION OF THE EROSION AND SEDIMENT CONTROL MEASURES.

* QPESC – QUALIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL, AS DESCRIBED WITHIN THE NYSDEC SPDES "GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY" NUMBER GP–0–10–001.

PRIOR TO GRADING ACTIVITIES:

1. SCHEDULE A "PRIOR TO GRADING ACTIVITIES" MEETING WHICH SHALL INCLUDE THE TOWN OF DOVER AUHTORIZED REPRESENTATIVE; QPESC*; CONTRACTOR AND ANY INVOLVED SUBCONTRACTORS TO DISCUSS RESPONSIBILITIES AS THEY RELATE TO THE IMPLEMENTATION OF THE SWPPP.
2. DELINEATE LIMITS OF WORK DISTURBANCE FOR PROJECT.
3. DELINEATE THE STAGING AREAS TO BE USED FOR SITE. INSTALL CONSTRUCTION FENCE AS NECESSARY.
4. DELINEATE SOIL STOCKPILE AREA AND ESTABLISH SILT FENCE BARRIER AROUND THE PERIMETER.
5. REPAIR SILT FENCE AND STABILIZED CONSTRUCTION AS DEEMED NECESSARY. INSTALL ADDITIONAL SILTE FENCE FOR CONSTRUCTION OF RIP–RAP SEDIMENT TRAPS.
6. INITIATE CONSTRUCTION TEMPORARY RIP–RAP SEDIMENT TRAP 1 AND ASSOCIATED DIVERSION SWALE. PROVIDE TEMPORARY SEEDING OF DIVERSION SWALE AND INSTALL CHECK DAMS.
7. INITIATE CONSTRUCTION TEMPORARY RIP–RAP SEDIMENT TRAP 2 AND ASSOCIATED DIVERSION SWALE. PROVIDE TEMPORARY SEEDING OF DIVERSION SWALE AND INSTALL CHECK DAMS.
8. INITIATE CONSTRUCTION TEMPORARY RIP–RAP SEDIMENT TRAP 3 AND ASSOCIATED DIVERSION SWALES. PROVIDE TEMPORARY SEEDING OF DIVERSION SWALE AND INSTALL CHECK DAMS.
9. INITIATE CONSTRUCTION TEMPORARY RIP–RAP SEDIMENT TRAP 4 AND ASSOCIATED DIVERSION SWALE. PROVIDE TEMPORARY SEEDING OF DIVERSION SWALE AND INSTALL CHECK DAMS.
10. PRIOR TO CONSTRUCTION OF TEMPORARY RIP–RAP SEDIMENT TRAP 5 AND ASSOCIATED DIVERSION SWALES, CONTRACTOR SHALL INSTALL 25–FOOT LONG BOX CULVERT TO ITS FINAL LOCATION AND GRADES. THE CONTRACTOR SHALL THEN INSTALL THE PORTION OF ACCESS DRIVE DRIVE SHOWN UP TO THE SUBBASE ELEVATIONS FOR ACCESS TO THE NORTHERN PORTION OF THE SITE. INSTALL CHECKDAM UPSTREAM OF CULVERT AND DOWNSTREAM OF CULVERT AND RESTORE SIDE SLOPES AND AREAS DISTURBED DURING INSTALLATION. ONCE INSTALLATION OF THE CULVERT AND CHECKDAMS IS COMPLETE, THE CONTRACTOR SHALL INSTALL RIP–RAP SEDIMENT TRAP 5 AND ASSOCIATED DIVERSION SWALES PRIOR TO CLEARING AND GRADING IN THAT AREA. PROVIDE TEMPORARY SEEDING OF DIVERSION SWALE AND INSTALL CHECK DAMS.
11. EXCESS TOPSOIL / MATERIAL TO BE STOCKPILED WITHIN THE AREA OF DEDICATED FOR SAID ACTIVITIES.
12. PRIOR TO COMMENCEMENT OF SITE GRADING ACTIVITIES, CONTACT QPESC* AND TOWN OF DOVER AUTHORIZED REPRESENTATIVE TO CONDUCT AN ASSESSMENT OF THE SITE AND CERTIFY THAT THE APPROPRIATE EROSION AND SEDIMENT CONTROL STRUCTURES HAVE BEEN ADEQUATELY INSTALLED, CONSTRUCTED, AND IMPLEMENTED. DO NOT PROCEED WITH GRADING ACTIVITIES UNTIL QPESC CERTIFIES THE INSTALLATION OF THE EROSION AND SEDIMENT CONTROL MEASURES.

* QPESC – QUALIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL, AS DESCRIBED WITHIN THE NYSDEC SPDES "GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY" NUMBER GP–0–10–001.

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. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE:

INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR MUD, SEDIMENT BUILD–UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF–SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE SITE.

SILT FENCE:

INSPECT FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP–SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, 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 UP–SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER. IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCK PILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

DUST CONTROL:

SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK. APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

CHECK DAM:

INSPECT CHECK DAMS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. IF SIGNIFICANT EROSION HAS OCCURRED BETWEEN STRUCTURES A LINER OF STONE OR OTHER SUITABLE MATERIAL SHOULD BE INSTALLED IN THAT PORTION OF THE CHANNEL. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAM AS NEEDED TO ALLOW CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. REPLACE STONES AS NEEDED TO MAINTAIN 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.

TEMPORARY SWALE:

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

RIP RAP OUTLET SEDIMENT TRAP:

INSPECT ALL RIP RAP OUTLET SEDIMENT TRAPS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPAIRS SHALL BE MADE AS NEEDED. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO THE ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 OF THE DESIGN DEPTH OF THE TRAP.

STORM DRAIN INLET PROTECTION:

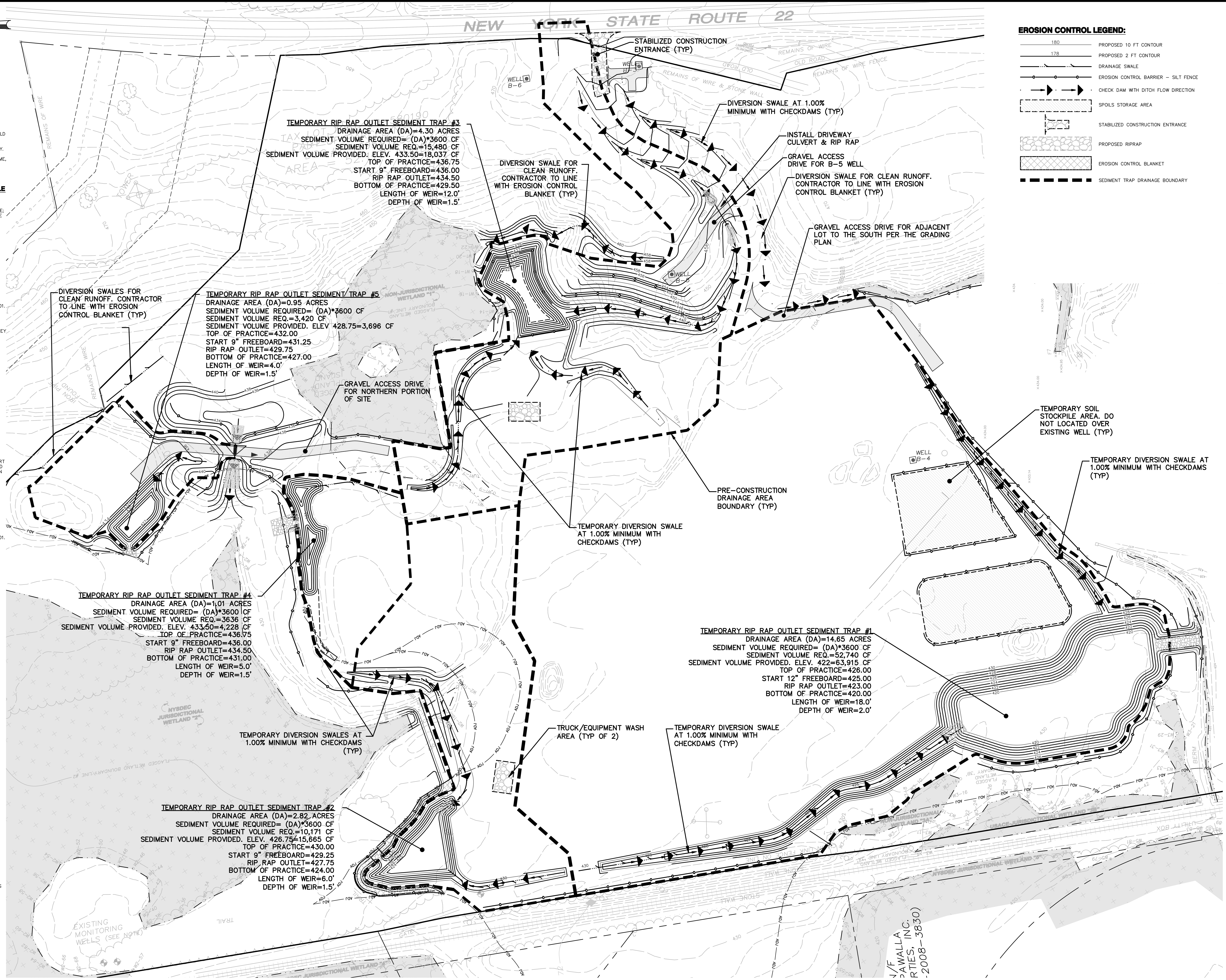
INSPECT ALL STORM DRAIN INLET PROTECTION DEVICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE REPAIRS AS NEEDED, REMOVE SEDIMENT FROM THE POOL AREA AS NECESSARY.

DEWATERING PITS:

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

TRUCK/EQUIPMENT WASH AREAS:

TRUCK WASH AREAS TO FULLY CONTAINED. ALL WASHED WATER TO PUMPED AND REMOVED FROM SITE TO AN APPROVED FACILITY. EQUIPMENT TO BE WASHED DOWN PRIOR TO GRADING ACTIVITIES FOR TEMPORARY PARKING AND ALSO PRIOR TO LANDSCAPE RESTORATION.



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0 0.5" 1" 2" 3"
0 30' 60' 120' 180'
SCALE: 1" = 60'

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rev.	date	description
2	04/24/12	REVISED PER TOWN & CLIENT COMMENTS
1	02/24/12	UPDATE FOR FEIS

CRICKET VALLEY ENERGY

PRE - CONSTRUCTION EROSION & SEDIMENT CONTROL PLAN

TOWN OF DOVER, DUTCHESS COUNTY, NEW YORK

drawn	checked
MMF	CL
date 7/16/10	scale 1" = 60'
project no. 81001.00	
sheet no. SP1	

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