THE PRIMARY PURPOSE OF DRAINAGE STRUCTURE INLET PROTECTION IS TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM BY PONDING WATER WHICH ALLOWS SEDIMENT TO FALL OUT OF SUSPENSION.

DRAINAGE BAGS ARE FILLED WITH CLEAN STONE RATHER THAN SAND TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM IF BAGS ARE DAMAGED DURING USE.

THE TOP OF THE INLET PROTECTION SHALL BE SET AT THE MAXIMUM DESIRED WATER LEVEL BASED ON FIELD LOCATION AND CONDITIONS.

APPLICATION NOTES:
1. APPROVED SILT FENCE GEOTEXTILES ARE LISTED ON THE DEPARTMENT'S APPROVED LIST. SILT FENCE GEOTEXTILE SHALL BE A SINGLE CONTINUOUS PIECE TO ELIMINATE JOINTS.
2. SPACE SILT FENCE POSTS EVENLY AROUND PITS WITH A MAXIMUM SPACING OF 1.0 m.
3. APPLY GEOTEXTILE MATERIAL TO PROVIDE SUPPORT.
4. SILT FENCE GEOTEXTILE SHALL BE EMBEDDED A MINIMUM OF 150 mm AND BATTLED. SILT FENCE GEOTEXTILE SHALL BE SECURELY FASTENED TO POSTS AND FRAME.
5. GRAVEL BAGS SHALL BE INDIVIDUALLY TIED, DOUBLE BAGGED AND INVERSELY INSERTED. GRAVEL BAGS SHALL LAP THE JOINTS BETWEEN THE BAGS IN THE LOWER LAYER.
6. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.
7. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MeASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.

MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS, AFTER EACH RAINFALL OF 15 mm OR MORE DURING A 12 HOUR PERIOD, OR DAILY DURING PROLONGED RAINFALL. MEASURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
SOIL EROSION AND SEDIMENT CONTROL
DRAINAGE STRUCTURE INLET PROTECTION

NOTE: ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED

APPROVED: MAY 8, 2003

EFFECTIVE: MAY 8, 2003

APPROVED: NOV. 1, 2002

ISSUED UNDER ED 02-060

DEPUTY CHIEF ENGINEER

M209-4