

**MILONE & MACBROOM**  
 99 Realty Drive  
 Cheshire, Connecticut 06410  
 (203) 271-1773 Fax: (203) 272-9713  
 www.miloneandmacbroom.com

DESCRIPTION TOWN COMMENTS	DATE	BY

**SEDIMENT AND EROSION CONTROL PLAN**  
 RIDGEWOOD ROAD SUBDIVISION  
 RIDGEWOOD ROAD AND MILE LANE  
 MIDDLETOWN, CONNECTICUT

DJK DESIGNED	CEH DRAWN	DJK CHECKED
1"=80'		
MAY 4, 2018		
DATE		
PROJECT NO. 2363-37		
SHEET NO.		

**7**

**SOIL EROSION AND SEDIMENT CONTROL NARRATIVE**

SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEDIMENT AND EROSION CONTROL NARRATIVE SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION IS ESTABLISHED. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL CONFORM TO THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, CONNECTICUT - 2002", TOWN REQUIREMENTS, AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.

1. PURPOSE AND DESCRIPTION OF PROJECT
  - A. THE CONSTRUCTION OF A NEW SUBDIVISION CONSISTING OF 14 LOTS.
  - B. DISTURBED AREA: ±4.9 ACRES

2. IDENTIFICATION OF EROSION AND SEDIMENT CONTROL CONCERNS
  - A. CUTS AND FILLS ASSOCIATED WITH THE CONSTRUCTION OF HOUSES, DRIVEWAYS, AND LOT GRADING
  - B. PROTECTION OF EXISTING AND PROPOSED STORM DRAINAGE SYSTEM.
  - C. PROTECTION OF ONSITE WETLAND AREAS.

3. IDENTIFICATION OF OTHER POSSIBLE PERMITS
  - PLANNING AND ZONING PERMIT AND INLAND WETLANDS PERMIT
  - BUILDING PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

4. TENTATIVE CONSTRUCTION SCHEDULE
  - TENTATIVE START DATE: SUMMER 2018
  - TENTATIVE COMPLETION DATE: FALL 2021

**EROSION CONTROL LEGEND**

- CONSTRUCTION ENTRANCE (CE)
- SEDIMENT FILTER FENCE (SF)
- TEMPORARY STOCKPILE SURROUND WITH SEDIMENT FILTER FENCE (STK)
- INLET PROTECTION (IP)
- EROSION CONTROL BLANKET (ECB)
- HAYBALES (HB)

**SEDIMENT & EROSION CONTROL SPECIFICATIONS**

**GENERAL:**  
 THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION, AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.  
 IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, INsofar AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES, AND WATERBODIES, AND TO PREVENT, INsofar AS POSSIBLE, EROSION ON THE SITE.

**LAND GRADING**

**GENERAL:**  
 1. THE RESHAPING OF THE GROUND SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLAINED GRADES, SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:  
 a. THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).  
 b. THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).  
 c. THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL (1:4).  
 d. PROVISION SHOULD BE MADE TO CONDUCT SURFACE WATER SAFELY TO STORM DRAINS TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.  
 e. EXCAVATIONS SHOULD NOT BE MADE SO CLOSE TO PROPERTY LINES AS TO ENDANGER ADJOINING PROPERTY WITHOUT PROTECTING SUCH PROPERTY FROM EROSION, SLIDING, SETTLING, OR CRACKING.  
 f. NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSES, OR WATERBODIES.  
 g. PRIOR TO ANY REGRADING, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PLACED AT THE ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE SITE.

**TOPSOILING**

**GENERAL:**  
 1. TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH, AND MAINTENANCE OF VEGETATION.  
 2. UPON ATTAINING FINAL SUBGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.  
 3. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION DEBRIS.  
**MATERIAL:**  
 1. TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.  
 2. TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE.  
 3. TOPSOIL SHOULD BE RELATIVELY FREE OF SUBSOIL MATERIAL, LUMPS OF SOIL, ROOTS, TREE LIMBS, TRASH, OR CONSTRUCTION DEBRIS. IT SHOULD BE FREE OF ROOTS OR RHIZOMES SUCH AS THISTLE, HUTGRASS, AND QUACKGRASS.  
 4. AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED. AVOID LIGHT COLORED SUBSOIL MATERIAL.  
 5. SOLUBLE SALT CONTENT OF OVER 500 PARTS PER MILLION (PPM) IS LESS SUITABLE. AVOID TIDAL MARSH SOILS BECAUSE OF HIGH SALT CONTENT.  
 6. THE pH SHOULD BE 5.5 TO 7 IF LESS, ADD LIME TO INCREASE pH TO AN ACCEPTABLE LEVEL.

**EXECUTION**

1. AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.  
 2. SPREAD TOPSOIL UNIFORMLY TO A DEPTH OF AT LEAST FOUR INCHES (4"), OR TO THE DEPTH SHOWN ON THE LANDSCAPING PLANS.

**PERMANENT VEGETATIVE COVER**

**GENERAL:**  
 1. PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED AS VARIOUS SECTIONS OF THE PROJECT ARE COMPLETED IN ORDER TO STABILIZE THE SOIL, REDUCE DOWNSTREAM DAMAGE FROM SEDIMENT AND RUNOFF, AND TO ENHANCE THE AESTHETIC NATURE OF THE SITE. IT WILL BE APPLIED TO ALL CONSTRUCTION AREAS SUBJECT TO EROSION WHERE FINAL GRADING HAS BEEN COMPLETED AND A PERMANENT COVER IS NEEDED.  
**SITE PREPARATION:**  
 1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.  
 2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.  
 3. PERFORM ALL PLANTING OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.  
 4. APPLY TOPSOIL AS INDICATED ELSEWHERE HEREIN.  
 5. APPLY FERTILIZER ACCORDING TO SOIL TEST OR PER THE TECHNICAL SPECIFICATIONS.

**EROSION CONTROL MAINTENANCE INTERVALS**

EROSION CONTROL MEASURE	CONTROL OBJECTIVE	INSPECTION/MAINTENANCE	FAILURE INDICATORS	REMOVAL
SILT FENCE (SF) (RELATED: IP, STK)	- INTERCEPT, AND REDIRECT/DETAIN SMALL AMOUNTS OF SEDIMENT FROM SMALL DISTURBED AREAS. - DECREASE VELOCITY OF SHEET FLOW. - PROTECT SENSITIVE SLOPES OR SOILS FROM EXCESSIVE WATER FLOW.	INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL OF 0.5 INCHES OR MORE. ACCUMULATED SEDIMENT MUST BE REMOVED ONCE ITS DEPTH IS EQUAL TO 1/2 THE TRENCH HEIGHT. INSPECT FREQUENTLY DURING PUMPING OPERATIONS IF USED FOR DEWATERING OPERATIONS.	- PHYSICAL DAMAGE OR DECOMPOSITION - EVIDENCE OF OVERTOPPED OR UNDERCUT FENCE - EVIDENCE OF SIGNIFICANT FLOWS EVADING CAPTURE - REPETITIVE FAILURE	SILT FENCE MAY BE REMOVED AFTER UPHILL AREAS HAVE BEEN PERMANENTLY STABILIZED.
HAY BALES (HB)	- INTERCEPT, AND REDIRECT/DETAIN SMALL AMOUNTS OF SEDIMENT FROM SMALL DISTURBED AREAS. - DECREASE VELOCITY OF SHEET FLOW. - PROTECT SENSITIVE SLOPES OR SOILS FROM EXCESSIVE WATER FLOW.	INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL OF 0.5 INCHES OR MORE. ACCUMULATED SEDIMENT MUST BE REMOVED ONCE THE DEPTH OF SEDIMENT IS EQUAL TO 1/2 THE HEIGHT OF THE BARRIER. INSPECT FREQUENTLY DURING PUMPING OPERATIONS IF USED FOR DEWATERING OPERATIONS.	- PHYSICAL DAMAGE OR DECOMPOSITION - EVIDENCE OF OVERTOPPED OR UNDERCUT FENCE - EVIDENCE OF SIGNIFICANT FLOWS EVADING CAPTURE - REPETITIVE FAILURE	HAY BALES MAY BE REMOVED AFTER UPHILL AREAS HAVE BEEN PERMANENTLY STABILIZED.
CONSTRUCTION ENTRANCE (CE)	- REDUCE THE TRACKING OF SEDIMENT OFF-SITE ONTO PAVED SURFACES.	INSPECT AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES. PERIODIC ADDITION OF STONE, OR LENGTHENING OF ENTRANCE MAY BE REQUIRED AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES AS A RESULT OF INEFFICIENCY OF CONSTRUCTION ENTRANCE SHALL BE IMMEDIATELY REMOVED.	- SEDIMENT IN ROADWAY ADJACENT TO SITE	CONSTRUCTION ENTRANCE MAY BE REMOVED ONCE THE SITE HAS BEEN PERMANENTLY STABILIZED, AND ALL OTHER SECTIONS OF ROADWAY HAVE BEEN PERMANENTLY PAVED.
CATCH BASIN INLET PROTECTION (IP)	- PREVENT SILT IN CONSTRUCTION-RELATED RUNOFF FROM ENTERING STORM DRAINAGE SYSTEM.	INSPECT AFTER ANY RAIN EVENT. IF FILTER BAG INSIDE CATCH BASIN CONTAINS MORE THAN 6" OF SEDIMENT, REMOVE SEDIMENT FROM BAG. CHECK SURROUNDING SILT FENCE AND HAY BALES PER NOTED ABOVE.	- RIPPED BAG - FAILED HAY BALES / SILT FENCE - SIGNIFICANT SILT PRESENCE IN STORM DRAINAGE SYSTEM OUTFLOW.	INLET PROTECTION MAY BE REMOVED ONCE THE SITE HAS BEEN PERMANENTLY STABILIZED, AND ALL SECTIONS OF ROADWAY HAVE BEEN PERMANENTLY PAVED.
STOCKPILE PROTECTION	- RETAIN SOIL STOCKPILE IN LOCATIONS SPECIFIED, AND REDUCE WATER-TRANSPORT.	INSPECT SILT FENCE AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES. PERIODIC REINFORCEMENT OF SILT FENCE, OR ADDITION OF HAY BALES MAY BE NECESSARY.	- EVIDENCE OF STOCK PILE DIMINISHING DUE TO RAIN EVENTS - FAILURE OF SILT FENCE	STOCKPILE PROTECTION MAY BE REMOVED ONCE THE STOCKPILE IS USED OR REMOVED.

**TEMPORARY VEGETATIVE COVER**

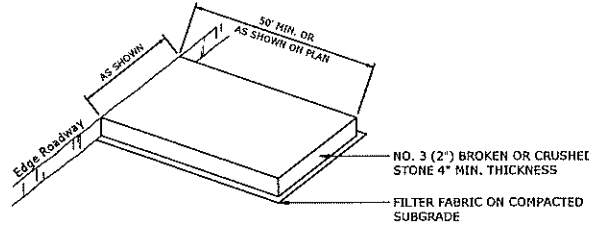
1. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL UNPROTECTED AREAS THAT PRODUCE SEDIMENT. AREAS WHERE FINAL GRADING HAS BEEN COMPLETED, AND AREAS WHERE THE ESTIMATED PERIOD OF BARE SOIL EXPOSURE IS LESS THAN 12 MONTHS, TEMPORARY VEGETATIVE COVER SHALL BE APPLIED IF AREAS WILL NOT BE PERMANENTLY SEED BY OCTOBER 1.  
**GENERAL:**  
 1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.  
 2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.  
 3. TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.  
**SITE PREPARATION:**  
 1. SELECT APPROPRIATE SPECIES FOR THE SITUATION. NOTE RATES AND SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING)  
 2. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.  
 3. MULCH IMMEDIATELY AFTER SEEDING IF REQUIRED. (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW.) APPLY STRAW OR HAY MULCH AND ANCHOR TO SLOPES GREATER THAN 3% OR WHERE NEEDED.

**VEGETATIVE COVER SELECTION & MULCHING**

**TEMPORARY VEGETATIVE COVER:**  
 PERENNIAL RYEGRASS 5 LBS./1,000 SQ. FT. (LOLIUM PERENNE)  
 \* PERMANENT VEGETATIVE COVER: SEE SPECIFICATIONS  
**TEMPORARY MULCHING:**  
 CLEAN DRY STRAW OR HAY FREE OF WEEDS (TEMPORARY VEGETATIVE AREAS)  
 WOOD FIBER IN HYDROMULCH SLURRY 25-50 LBS./1,000 SQ. FT.  
**ESTABLISHMENT:**  
 1. SMOOTH AND FINI SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).  
 2. SELECT ADAPTED SEED MIXTURE FOR THE SPECIFIC SITUATION. NOTE RATES AND THE SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING SPEC. ABOVE).  
 3. APPLY SEED UNIFORMLY ACCORDING TO RATE INDICATED, BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.  
 4. COVER GRASS AND LEGUME SEED WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT (EXCEPT WHEN HYDROSEEDING).  
 5. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO TEMPORARY MULCHING SPECIFICATIONS. (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION ABOVE).  
 6. USE PROPER INOCULANT ON ALL LEGUME SEEDINGS. USE FOUR (4) TIMES NORMAL RATES WHEN HYDROSEEDING.

**EROSION CHECKS**

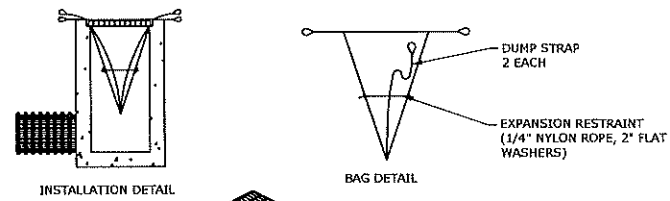
**GENERAL:**  
 1. TEMPORARY FERVIDOUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND OR GEOTEXTILE FABRIC PASTERED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.  
**CONSTRUCTION:**  
 1. BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.  
 2. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.  
 3. GEOTEXTILE FABRIC SHALL BE SECURELY ANCHORED AT THE TOP OF A THREE FOOT (3') HIGH FENCE AND BURIED A MINIMUM OF SIX INCHES (6") TO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO FEET (2').  
**INSTALLATION AND MAINTENANCE:**  
 1. BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.  
 2. BALED HAY EROSION BARRIERS AND GEOTEXTILE FENCE SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING CONSTRUCTION.  
 3. ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.  
 4. INSPECTION SHALL BE FREQUENT (PER TABLE BELOW) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.  
 5. EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPED STORMWATER FLOW OR DRAINAGE.



NOTE: CONSTRUCTION ENTRANCE PAD SHALL BE INSTALLED AND MAINTAINED DURING OPERATIONS WHICH PROMOTE VEHICULAR TRACKING OF MUD

**CONSTRUCTION ENTRANCE PAD**

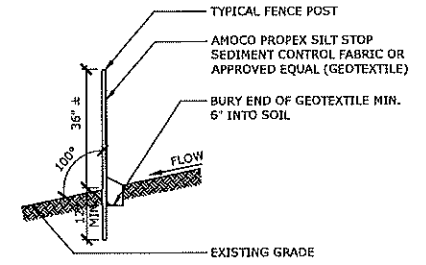
NOT TO SCALE



**INLET PROTECTION**

NOT TO SCALE

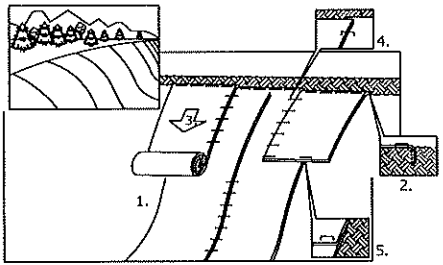
P-SC-3057.77-80



**SEDIMENT FILTER FENCE**

NOT TO SCALE

P-SC-3057.77-87



**NOTES:**  
 1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. WHEN USING SCC225, DO NOT SEED PREPARED AREA. SCC225 MUST BE INSTALLED WITH PAPER SIDE DOWN.  
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP x 6" WIDE TRENCH. BACKFILL AND COMPACT UPON COMPLETION.  
 3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.  
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.  
 5. WHEN THE BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAP AREA, APPROXIMATELY 12" APART.  
 6. REFER TO GENERAL STAPLE PATTERN GUIDE IN NORTH AMERICAN GREEN CATALOG FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

**EROSION CONTROL BLANKET**

NOT TO SCALE

P-SC-3057.77-93

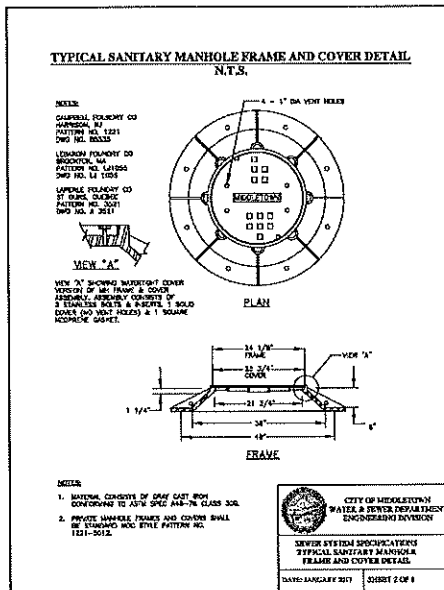
**MILONE & MACBROOM**  
 99 Realty Drive  
 Chester, Connecticut 06410  
 (203) 271-0770  
 www.miloneandmacbroom.com

DESCRIPTION / TYPICAL COMMENTS	DATE	BY	CHECK	
			DATE	BY

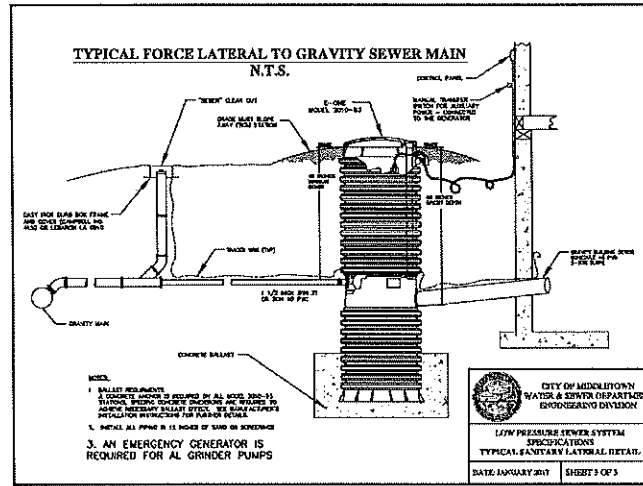
**SEDIMENT EROSION CONTROLS DETAILS AND SPECIFICATIONS**  
 RIDGEWOOD ROAD SUBDIVISION  
 RIDGEWOOD ROAD AND MILE LANE  
 MIDDLETOWN, CONNECTICUT

DJK DESIGNED	CEH DRAWN	DJK CHECKED
NOT TO SCALE		
DATE MAY 4, 2018		
PROJECT NO. 2363-37		
SHEET NO. 8		

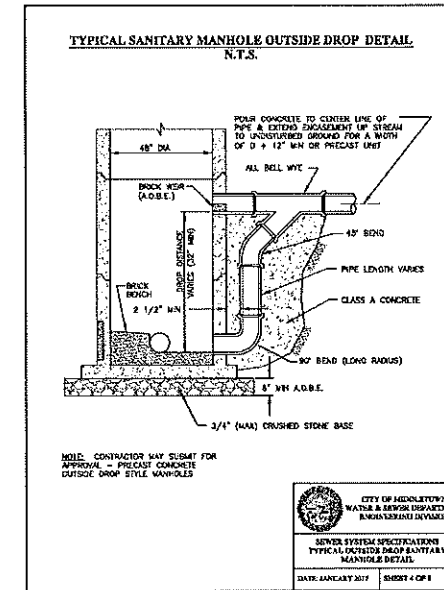




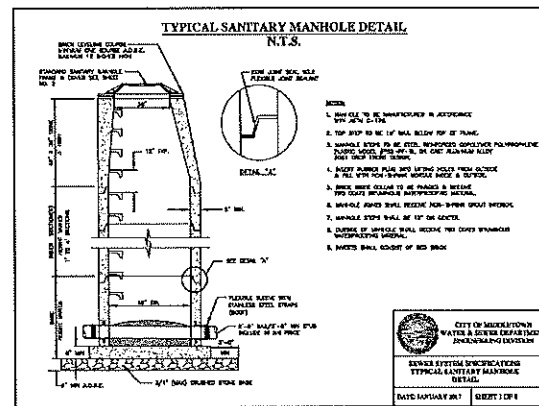
**SANITARY MANHOLE FRAME AND COVER**  
NOT TO SCALE



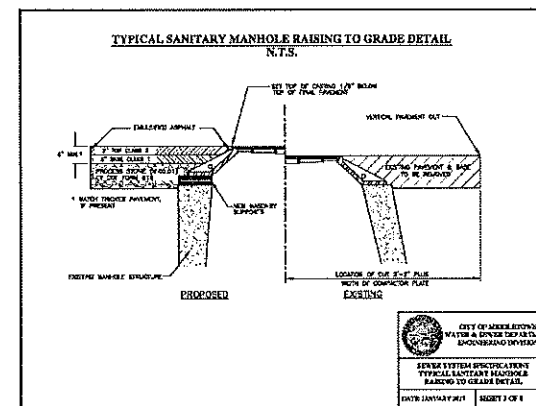
**FORCE LATERAL TO GRAVITY SEWER MAIN**  
NOT TO SCALE



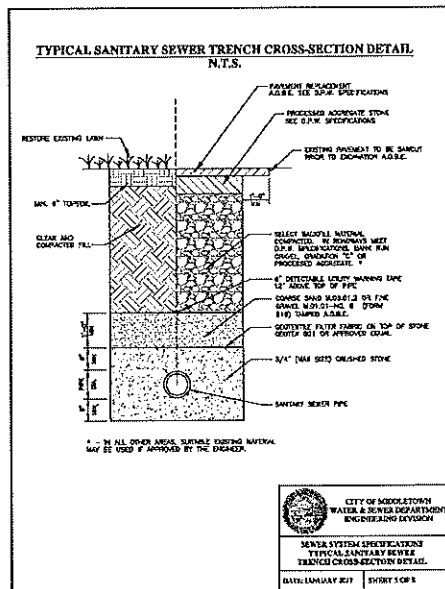
**SANITARY MANHOLE OUTSIDE DROP**  
NOT TO SCALE



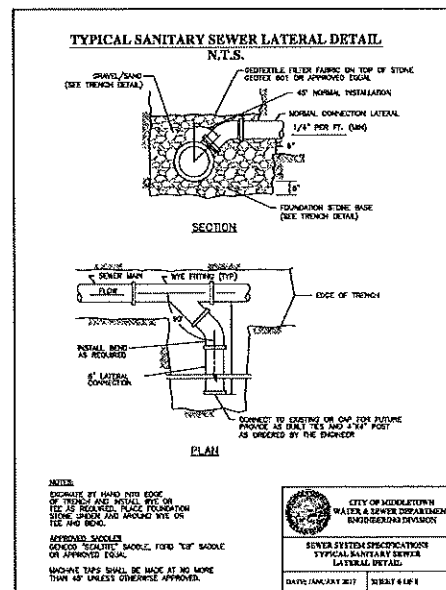
**SANITARY MANHOLE DETAIL**  
NOT TO SCALE



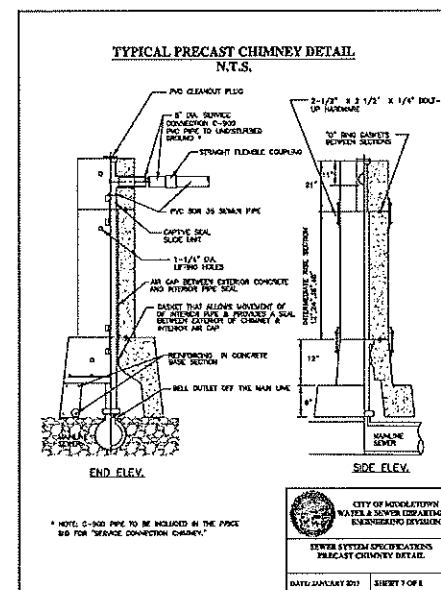
**SANITARY MANHOLE RAISING TO GRADE**  
NOT TO SCALE



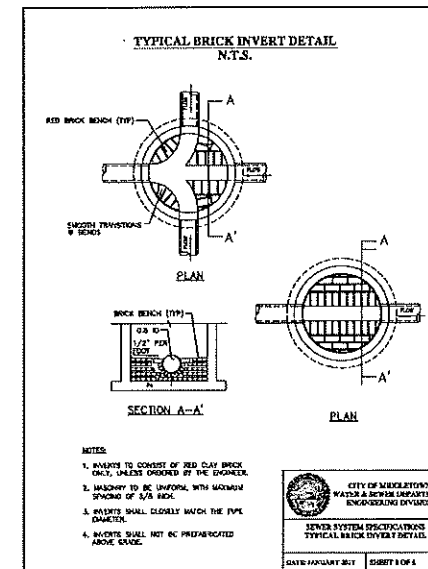
**SANITARY SEWER TRENCH CROSS-SECTION**  
NOT TO SCALE



**SANITARY SEWER LATERAL**  
NOT TO SCALE



**PRECAST CHIMNEY**  
NOT TO SCALE



**BRICK INVERT**  
NOT TO SCALE

**MILONE & MACBROOM**  
 99 Realty Drive  
 Cheshire, Connecticut 06410  
 (203) 271-1773 FAX (203) 272-9733  
 www.miloneandmacbroom.com

DESCRIPTION	DATE	BY	CHK
TOWN COMMENTS			

CITY OF MIDDLETOWN STANDARD DETAILS  
 RIDGEWOOD ROAD SUBDIVISION  
 RIDGEWOOD ROAD AND MILE LANE  
 MIDDLETOWN, CONNECTICUT

DJK	CEH	DJK
DESIGNED	DRAWN	CHECKED
NOT TO SCALE		
MAY 4, 2018		
2363-37		

SHEET NO. **10**



City of Middletown WATER & SEWER DEPARTMENT 31 Beville Street Middletown, CT 06457 TEL: (860) 438-3500 FAX: (860) 314-1091

GENERAL REQUIREMENTS WATER MAIN AND SERVICE INSTALLATION CONTINUED

VALVE LAYOUT: Three way valves shall be required at all intersection tees and four way valves shall be required at all intersection corners or A.O.B.E. Single valves on all hydrant branches and fire services. Location of valves shall be determined by the Engineer in the field.

GENERAL REQUIREMENTS WATER MAIN AND SERVICE INSTALLATION CONTINUED

VALVE LAYOUT: Three way valves shall be required at all intersection tees and four way valves shall be required at all intersection corners or A.O.B.E. Single valves on all hydrant branches and fire services. Location of valves shall be determined by the Engineer in the field.

GENERAL REQUIREMENTS WATER MAIN AND SERVICE INSTALLATION CONTINUED

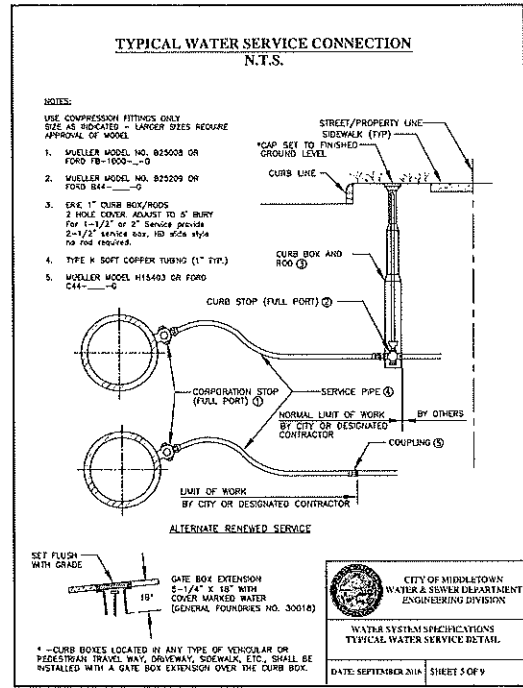
FLUSHING: Discharge to sanitary sewer, if possible or to storm sewer utilizing best management practices including dechlorination. A.O.B.E. Contractor is responsible for all necessary arrangements, flow monitoring and chemicals.

GENERAL REQUIREMENTS WATER MAIN AND SERVICE INSTALLATION CONTINUED

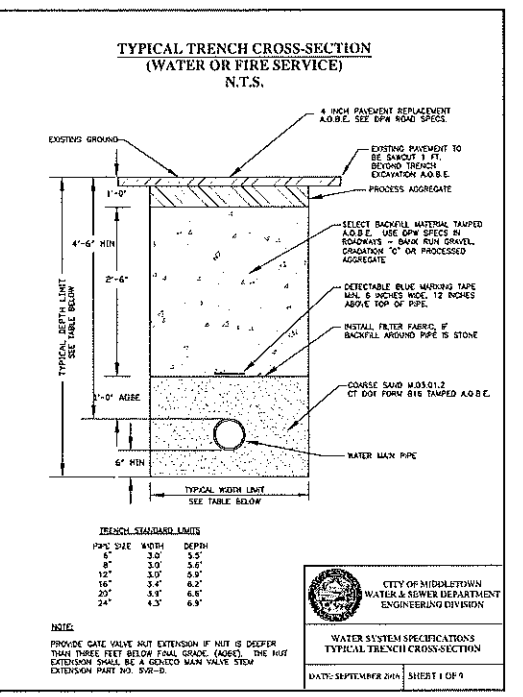
HYDRANT SPACING: Hydrant spacing shall generally not exceed the following: Low Density 600 feet High Density 300 feet

GENERAL REQUIREMENTS WATER MAIN AND SERVICE INSTALLATION CONTINUED

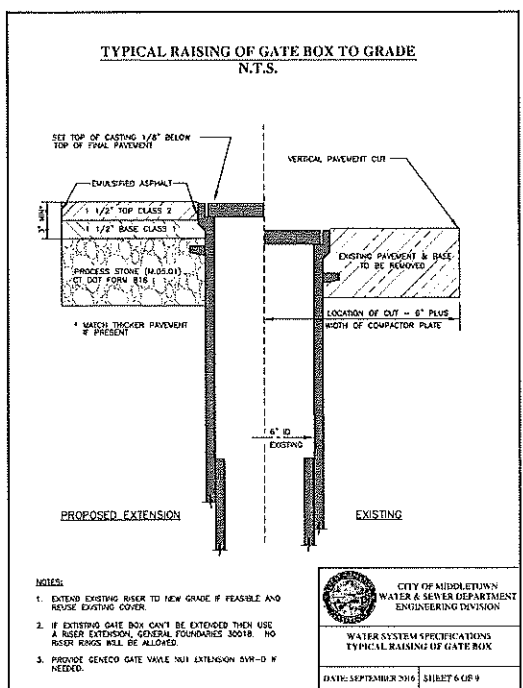
INFORMATION: All installations, building connections, valve operations, and test procedures must be cleared with the City of Middletown Water Department. Those Number: 860-438-3500. Use the following extensions: 860-618-XXXX.



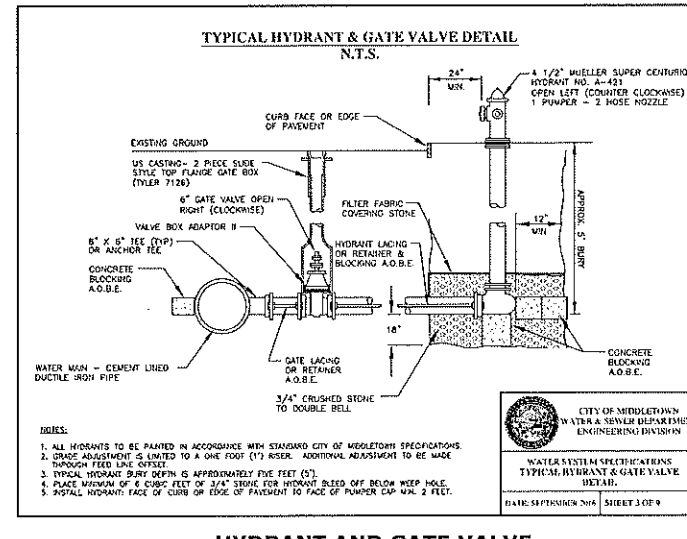
WATER SERVICE CONNECTION NOT TO SCALE



WATER MAIN TRENCH NOT TO SCALE



RAISING OF GATE BOX TO GRADE NOT TO SCALE



HYDRANT AND GATE VALVE NOT TO SCALE

Table with columns for CEF, DJK, DATE, and SHEET NAME. Includes project information for 'CITY OF MIDDLETOWN STANDARD DETAILS' and 'RIDGEWOOD ROAD SUBDIVISION'.

