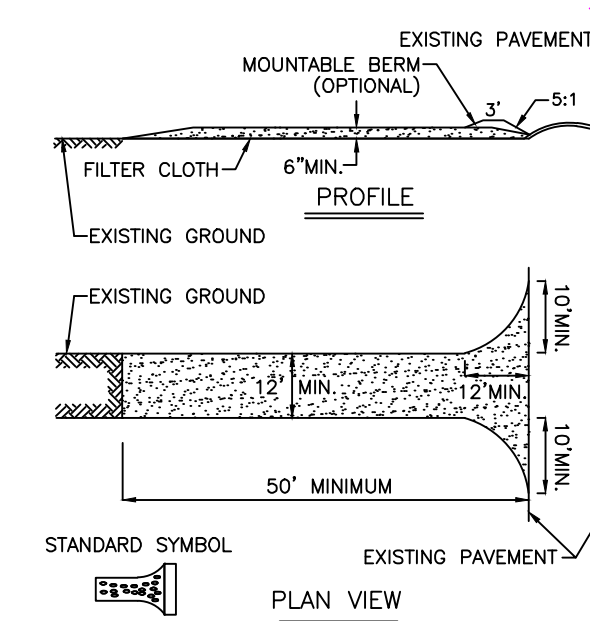
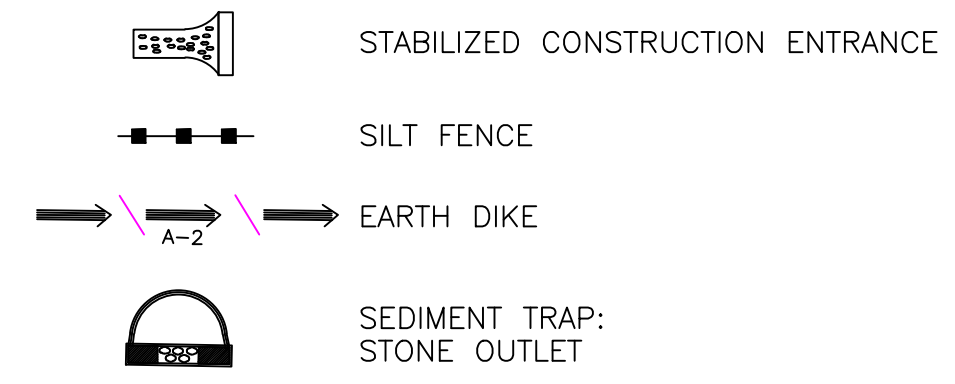


LEGEND FOR EROSION CONTROL MEASURES REQUIRED AT THE TIME OF CONSTRUCTION



CONSTRUCTION SPECIFICATIONS

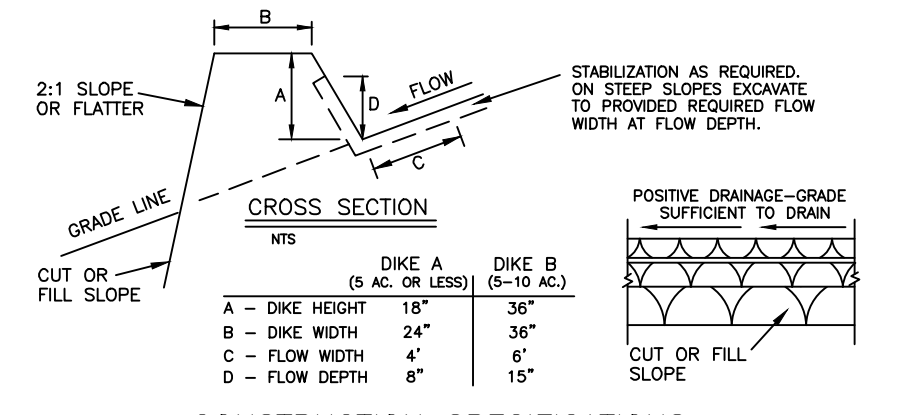
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.)
- THICKNESS - NOT LESS THAN (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTING BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE

NOT-TO-SCALE

SEQUENCE OF CONSTRUCTION FOR EROSION CONTROL

- CONSTRUCT AND MAINTAIN CONSTRUCTION ENTRANCE.
- INSTALL ALL EROSION CONTROL DEVICES AS SHOWN ON THIS PLAN AND NOTED IN THE LEGEND FOR EROSION CONTROL DURING CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL.
- CLEAR EXISTING TREES AND VEGETATION FROM AREAS TO BE EXCAVATED OR FILLED. STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO BE DISTURBED.
- PERFORM NECESSARY EXCAVATION OR FILL OPERATIONS TO BRING SITE TO DESIRED SUBGRADE. INSTALL STORM DRAINAGE AS SHOWN ON THE PLAN.
- SEED ALL DISTURBED AREAS WHICH WILL REMAIN UNFINISHED FOR A PERIOD OF 15 DAYS, OR MORE, AS PER NOTE 4 OF "GRADING NOTES".
- AFTER COMPLETION OF THE SITE CONSTRUCTION, FILL, GRADE AND SPREAD TOPSOIL ON ALL LAWN AREAS AND SEED AS PER NOTES 10, 11 AND 12 OF "GRADING NOTES".
- AFTER LOT STABILIZATION HAS TAKEN PLACE: PAVE (BASE COURSE) DRIVEWAYS. CLEAR DRAINAGE PIPES AND STRUCTURES OF ANY SEDIMENT WHICH MAY HAVE ACCUMULATED. REMOVE ALL EROSION CONTROL DEVICES.
- MAINTAIN ALL SEEDING AND PLANTED AREAS TO INSURE A VIABLE STABILIZED VEGETATIVE COVER.
- SILT THAT HAS BEEN ACCUMULATED IN SILT RETENTION BASINS TO BE REMOVED WHEN BASIN IS FILLED IN TO 50% OF PROVIDED DEPTH.
- ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AS MAY BE REQUIRED AND REQUESTED BY AUTHORITIES, TO PREVENT THE INCIDENTAL DISCHARGE OF SILT LADEN RUNOFF FROM ENTERING A WATER COURSE OR A DRAINAGE SYSTEM.



CONSTRUCTION SPECIFICATIONS

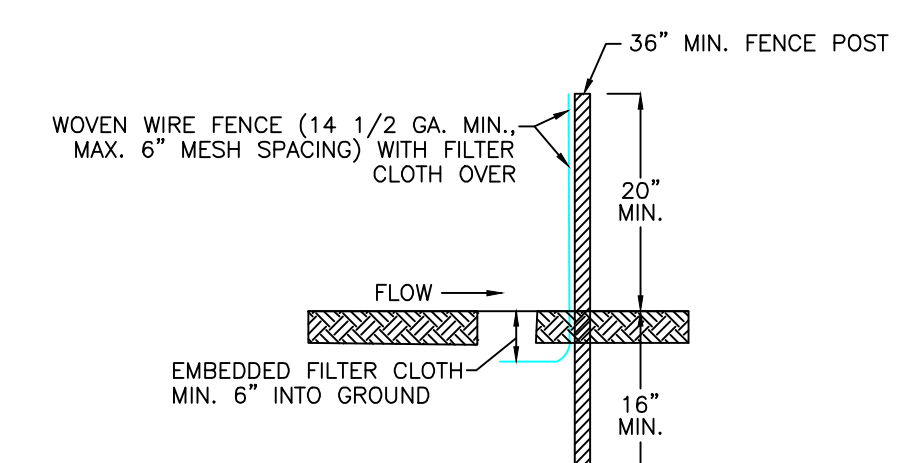
- ALL DIKES SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
- ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- TOP WIDTH MAY BE WIDER AND SIDE SLOPES BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZED A STABILIZED SAFE OUTLET.
- EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR A SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
- STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH IF NOT IN SEEDING SEASON; (B) FLOW CHANNEL AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION			
TYPE OF TREATMENT	TYPE OF GRADE	DIKE A	DIKE B
1	0.5-3%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5%	SEED AND STRAW MULCH	SEED USING JUTE <sup>®</sup> OR EXCELSIOR; SOD; 2" STONE
3	5.1-8%	SEED WITH JUTE, OR SOD; 2" STONE	LINED RIPRAP 4"-8"
4	8.1-20%	LINED RIPRAP 4"-8"	ENGINEERING DESIGN

A. STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT. B. RIP-AP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.  
C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.

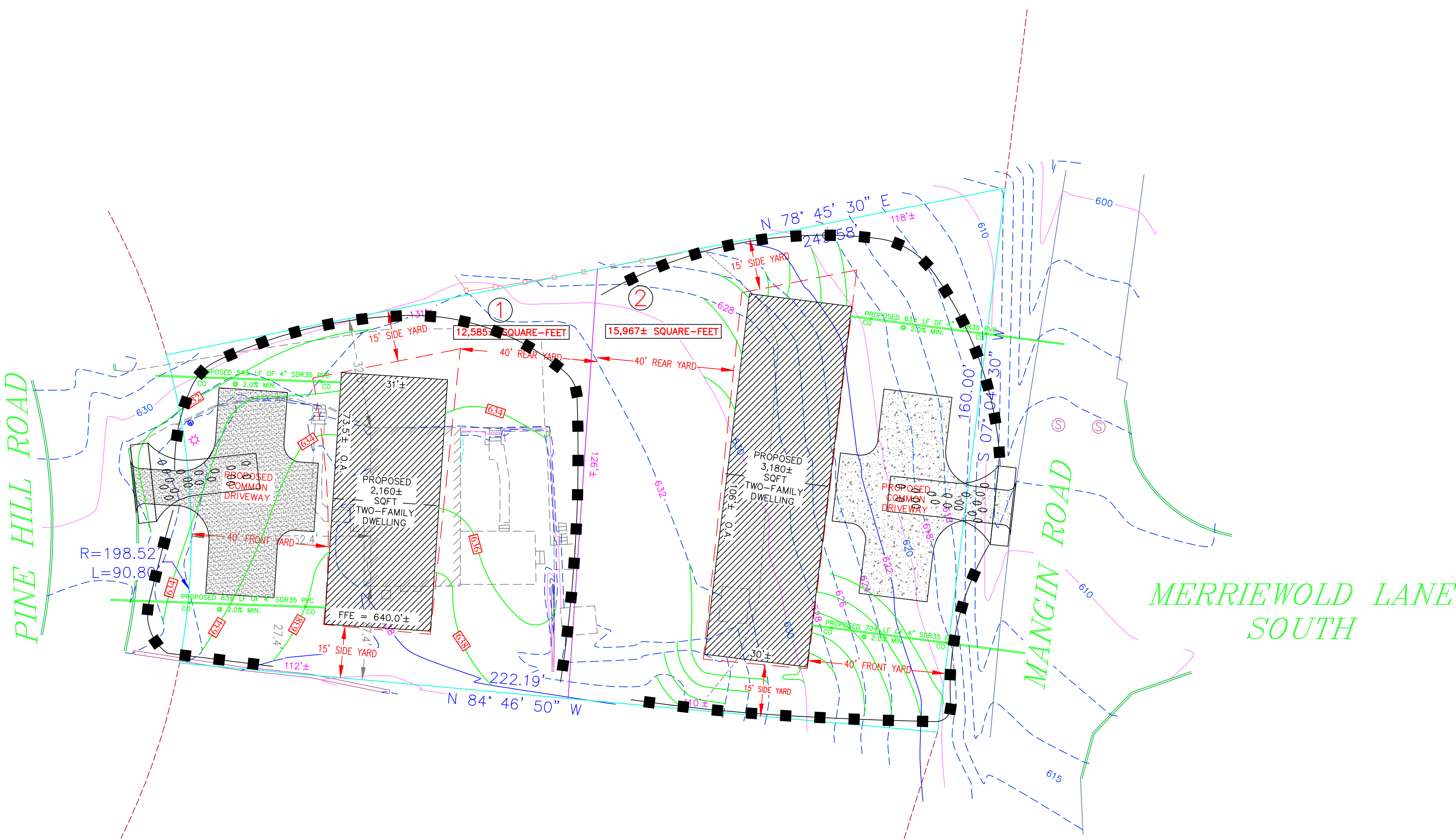
EARTH DIKE

NOT-TO-SCALE



SILT FENCE DETAIL

NOT-TO-SCALE



SITE AREA: 0.66± Acres (28,749.6± Square-feet)
TOTAL DISTURBED AREA: 0.00± Acres (00,000± square-feet)

THIS PLAN IS FOR EROSION CONTROL PURPOSES ONLY.

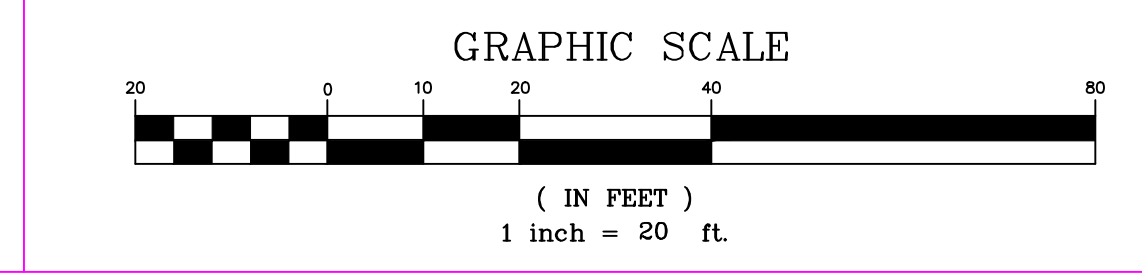
REVISIONS

#	DATE	COMMENTS

UNAUTHORIZED ALTERATION TO A MAP BEARING A LICENSED N.Y.S. ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. THE CERTIFICATION IS NOT AN EXPRESS OR IMPLIED WARRANTY OR GUARANTEE. IT IS PURELY A STATEMENT OF PROFESSIONAL OPINION BASED ON KNOWLEDGE, INFORMATION AND BELIEF, BASED ON EXISTING FIELD EVIDENCE AND DOCUMENTARY EVIDENCE AVAILABLE. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS. COPIES OF THIS PLAN NOT HAVING THE EMBOSSED SEAL OF THE N.Y.S. ENGINEER SHALL NOT BE VALID. PLAN PREPARED PURSUANT TO SECTION 7209b OF THE NEW YORK STATE EDUCATION LAW.

PLAN FOR BOARD REVIEW PURPOSES ONLY:

MICHAEL J. CALISE, P.E.  
NEW YORK STATE LIC. NO. 074611



PRELIMINARY  
**EROSION CONTROL PLAN**  
 PREPARED FOR:  
 TAX LOT # 209-7-5  
**9 PINE HILL ROAD**  
 VILLAGE OF SOUTH BLOOMING GROVE  
 TOWN OF BLOOMING GROVE  
 ORANGE COUNTY NEW YORK

TAX LOT No.:  
209-7-5  
 AREA:  
0.66± ACRES  
 JOB No.:  
2023-04  
 SCALE:  
1"=20'-0"  
 DATE:  
01-14-2023  
 SHEET:  
3 OF 3

Michael J. Calise, P.E. & Associates, P.C.  
 Civil Engineering & Land Planning Consultants  
 41 East Naurausshaun Avenue  
 Pearl River, New York 10965  
 Phone (845) 629-3743

THESE DRAWINGS ARE THE PROPRIETARY WORK PRODUCT AND PROPERTY OF MICHAEL J. CALISE P.E. DEVELOPED FOR THE EXCLUSIVE USE OF MICHAEL J. CALISE, P.E. FOR THIS PROJECT ONLY. USE OF THESE DRAWINGS AND CONCEPTS CONTAINED THEREIN WITHOUT THE WRITTEN PERMISSION OF MICHAEL J. CALISE, P.E. IS PROHIBITED.