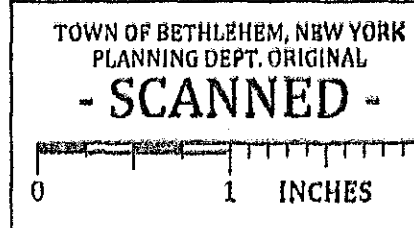
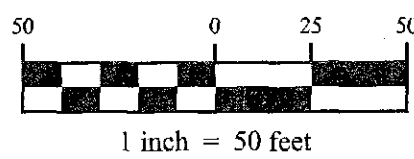
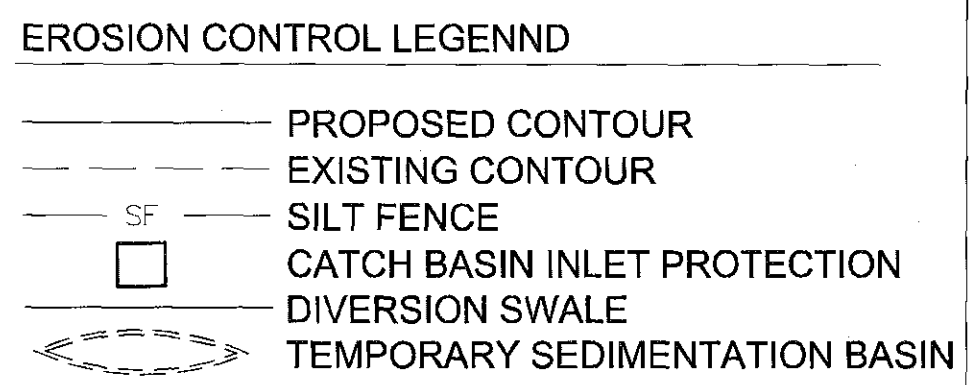
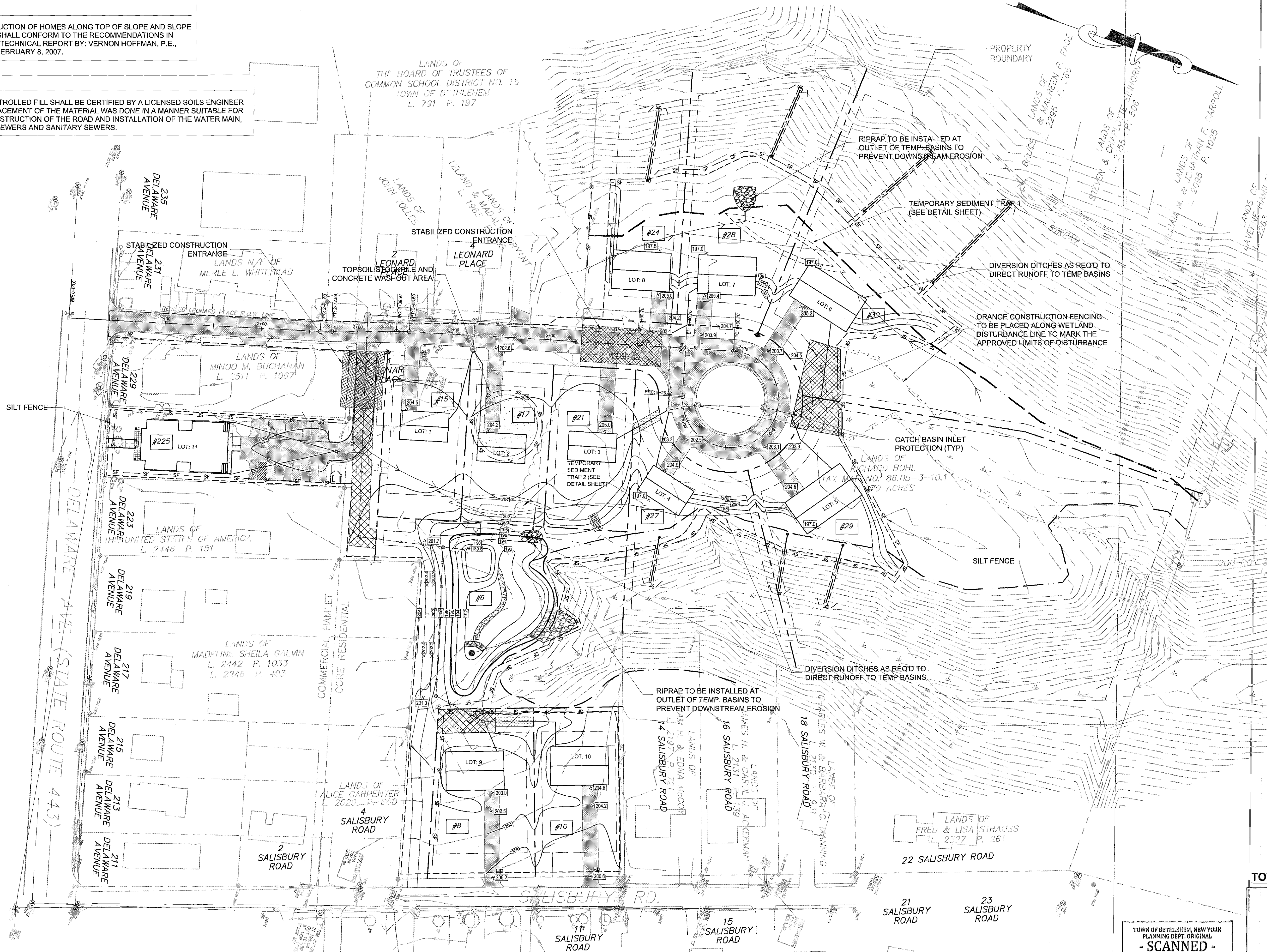


NOTE:  
CONSTRUCTION OF HOMES ALONG TOP OF SLOPE AND SLOPE DRAINS SHALL CONFORM TO THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT BY: VERNON HOFFMAN, P.E., DATED: FEBRUARY 8, 2007.

NOTE:  
ALL CONTROLLED FILL SHALL BE CERTIFIED BY A LICENSED SOILS ENGINEER THAT PLACEMENT OF THE MATERIAL WAS DONE IN A MANNER SUITABLE FOR THE CONSTRUCTION OF THE ROAD AND INSTALLATION OF THE WATER MAIN, STORM SEWERS AND SANITARY SEWERS.



NOTE:  
ORANGE CONSTRUCTION FENCE MUST BE INSTALLED ALONG THE WETLAND BOUNDARIES WHENEVER THE PROPOSED LIMITS OF DISTURBANCE ARE WITHIN 50 FEET OF THE DELINEATED FEDERAL WETLANDS

- GENERAL EROSION & SEDIMENT CONTROL NOTES:
1. THE SOIL EROSION AND SEDIMENT CONTROL MEASURES AND DETAILS AS SHOWN HEREIN AND STIPULATED WITHIN STATE STANDARDS SHALL BE FOLLOWED AND INSTALLED IN A MANNER SO AS TO MINIMIZE SEDIMENT LEAVING THE SITE.
  2. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS.
  3. EROSION CONTROL DEVICES SHALL BE INSTALLED BEFORE GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
  4. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
  5. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR THE LOCAL JURISDICTION INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
  6. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE.
  7. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED.
  8. SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
  9. ALL CUT AND FILL SLOPES MUST BE SURFACED, ROUGHENED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR CONSTRUCTION.
  10. CONTRACTOR SHALL REMOVE ALL EROSION & SEDIMENT CONTROL MEASURES AFTER COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER.
  11. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
  12. SEE DETAIL SHEETS FOR EROSION CONTROL DETAILS.
  13. THE STORMWATER MANAGEMENT SYSTEM SHALL BE INSTALLED AS EARLY AS POSSIBLE IN THE CONSTRUCTION PHASING.
  14. ALL OPEN DRAINAGE SWALES TO BE STABILIZED WITH GRASS AND/OR RIP-RAP AS QUICKLY AS POSSIBLE.

SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES:  
TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROLS ARE PRESENTED HEREIN TO ASSIST THE OPERATOR WITH THE PROJECT'S SITES GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES TO THE EXTENT PRACTICABLE. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IMMEDIATELY BEFORE THE ASSOCIATED PROJECT AREAS ARE DISTURBED. IN ANTICIPATION OF SOIL DISTURBING ACTIVITIES, BASED UPON NYSDOT REGULATIONS, TOTAL DISTURBANCE DURING CONSTRUCTION SHALL BE KEPT AT LESS THAN 5 ACRES AT ANY GIVEN TIME.

THE FOLLOWING IS A GENERAL SEQUENCE OF THE MAJOR CONSTRUCTION ACTIVITIES ANTICIPATED TO OCCUR ON THE PROJECT SITE:

1. SITE PREPARATION - SILT FENCE WILL BE INSTALLED ON THE DOWN SLOPE OF THE LIMITS OF GRADING AND OTHER AREAS WHERE SILTATION IS ANTICIPATED, AS SHOWN ON THE SITE PLANS. THE SILT FENCE SHALL REMAIN IN PLACE UNTIL ALL AREAS UPGRADING ARE STABILIZED. A TEMPORARY CONSTRUCTION ENTRANCE SHALL BE ESTABLISHED AS SHOWN ON THE DRAWINGS TO CAPTURE MUD AND DEBRIS FROM THE CONSTRUCTION VEHICLES BEFORE ENTERING THE PUBLIC WAY. CLEARING AND DISTURBANCE AT THIS PHASE SHALL BE LIMITED TO THE WORK NECESSARY TO INSTALL THE TEMPORARY SEDIMENT CONTROL MEASURES AND DEVICES.
2. ROUGH GRADING - TREES AND VEGETATION WITHIN THE DISTURBANCE LIMITS WILL BE REMOVED, AND TOPSOIL STRIPPING AND STOCKPILING WILL TAKE PLACE FOR LATER USE IN LANDSCAPE AREAS. EARTHWORK TO ROUGH GRADE THE SITE TO APPROXIMATE FINISHED GRADES WILL OCCUR, AND ADDITIONAL REQUIRED SITE FENCE WILL BE INSTALLED. THE STORMWATER MANAGEMENT BASIN WILL BE CONSTRUCTED, AND THE SITE WILL BE GRADED TO DRAIN TO THE BASIN UNTIL THE CLOSED PIPING SYSTEM IS INSTALLED IN ACCORDANCE WITH NYSDOT REGULATIONS. THE TOTAL DISTURBED AREA AT ANY GIVEN TIME SHALL BE KEPT AT LESS THAN FIVE (5) ACRES.
3. HOME SITE PREPARATION - THE PROPOSED HOME SITES SHALL BE GRADED TO ESTABLISH THE FINISHED FLOOR ELEVATION. THE HOMES MAY OR MAY NOT BE CONSTRUCTED WHILE THE REMAINDER OF THE SITE WORK IS UNDERWAY, DEPENDING ON MARKET CONDITIONS AND DEMAND.
4. UTILITY INSTALLATION - WATER, SEWER, DRAINAGE, AND OTHER UNDERGROUND UTILITIES (ELECTRIC, TELEPHONE, GAS, CABLE, ETC.) WILL BE INSTALLED UPON ESTABLISHMENT OF ROUGH SUBGRADE, AND AFTER THE REQUIRED FILL IS COMPACTED PER SPECIFICATIONS.
5. ROADWAY PAVING - THE ROADWAY WILL BE PAVED, AND IF ANY OF THE HOMES ARE COMPLETE AT THIS POINT, THE DRIVEWAYS WILL BE PAVED ALSO.
6. FINAL GRADING AND LANDSCAPING - TOPSOIL WILL BE SPREAD ON AREAS TO BE LANDSCAPED AND AREAS WILL BE PLANTED AND SEEDING IN ACCORDANCE WITH THE APPROVED DESIGN PLANS. ALL DISTURBED AREAS SHALL BE STABILIZED. STABILIZATION SHALL TAKE PLACE AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE THE CONSTRUCTION ACTIVITIES HAVE CEASED FOR A PERIOD OF 14 DAYS.

**TOWN OF BETHLEHEM APPROVAL**

Town of Bethlehem Planning Board  
By direction of the Chairman  
these plans are hereby Approved.  
See 1/1 sheet for date & signature.

✓

**FINAL SUBDIVISION PLANS**

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Professional Engineer  
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THE PINES AT NORMANSIDE  
LEONARD PLACE  
TOWN OF BETHLEHEM, NEW YORK

EROSION AND SEDIMENT  
CONTROL PLAN

NO.	REVISION	DATE	BY
1	Town Comments	02/10/09	MBT
2	Town Rev. Comments	05/14/10	MBT
3	Town Rev. Comments	09/30/10	MBT
4	Town Rev. Comments	12/01/10	MBT
5	Town Rev. Comments	03/08/11	MBT
6	Town Rev. Comments	06/02/11	MBT
7	Town Rev. Comments	11/07/11	MBT
8	Final Subdivision	11/07/11	MBT

DESIGNED: M.B.T. CHECKED: M.B.T.  
DRAWN BY: T.A.R. SCALE: AS NOTED  
CME No.: 08-0001 DATE: 11-07-2011

**C 8**

SHEET NUMBER 8 of 13