

CONSTRUCTION SEQUENCE

- ESTABLISH PERIMETER SILT FENCING, WETLAND BARRIERS, AND STABILIZED CONSTRUCTION ENTRANCE.
- CONSTRUCT TEMPORARY HAUL ROADS TO DETENTION POND/MITIGATION AREAS.
- CONSTRUCT DETENTION BASINS AND WETLAND MITIGATION AREAS, ESTABLISH VEGETATIVE COVER.
- BEGIN ROUGH GRADING OF ROADWAY ALIGNMENTS AND BUILDING PAD AREAS, ESTABLISH SWALES TO DIVERT RUNOFF TO STORM SEWER, STABILIZE CUT AND FILL SLOPES AND BUILDING PAD AREAS AS WORK PROGRESSES, STABILIZE INTERNAL ROADWAY AREAS WITH SUBBASE COURSE AS NECESSARY.
- INSTALL SEWER LINES, STORM DRAINAGE SYSTEM AND WATER LINES. INSTALL DROP INLET SEDIMENT TRAPS AND CHECK DAMS IN DRAINAGE FLOW LINES.
- COMPLETE SUBGRADE EXCAVATION, CONSTRUCT BASE COURSE, STABILIZE WITH SUB ROADWAY.
- COMPLETE GRADING IN BUILDING AREAS, STABILIZE GRADED AREAS WITH TEMPORARY SEEDING AND MULCHING. INSTALL SILT FENCING ALONG NEW ROADWAY EDGE UNTIL AREAS ARE STABILIZED.
- CONTINUE INSPECTION AND MAINTENANCE OF SITE AND EROSION/SEDIMENT CONTROL DEVICES THROUGHOUT THE DURATION OF THE CONSTRUCTION.

CONSTRUCTION SEQUENCE GENERAL NOTES

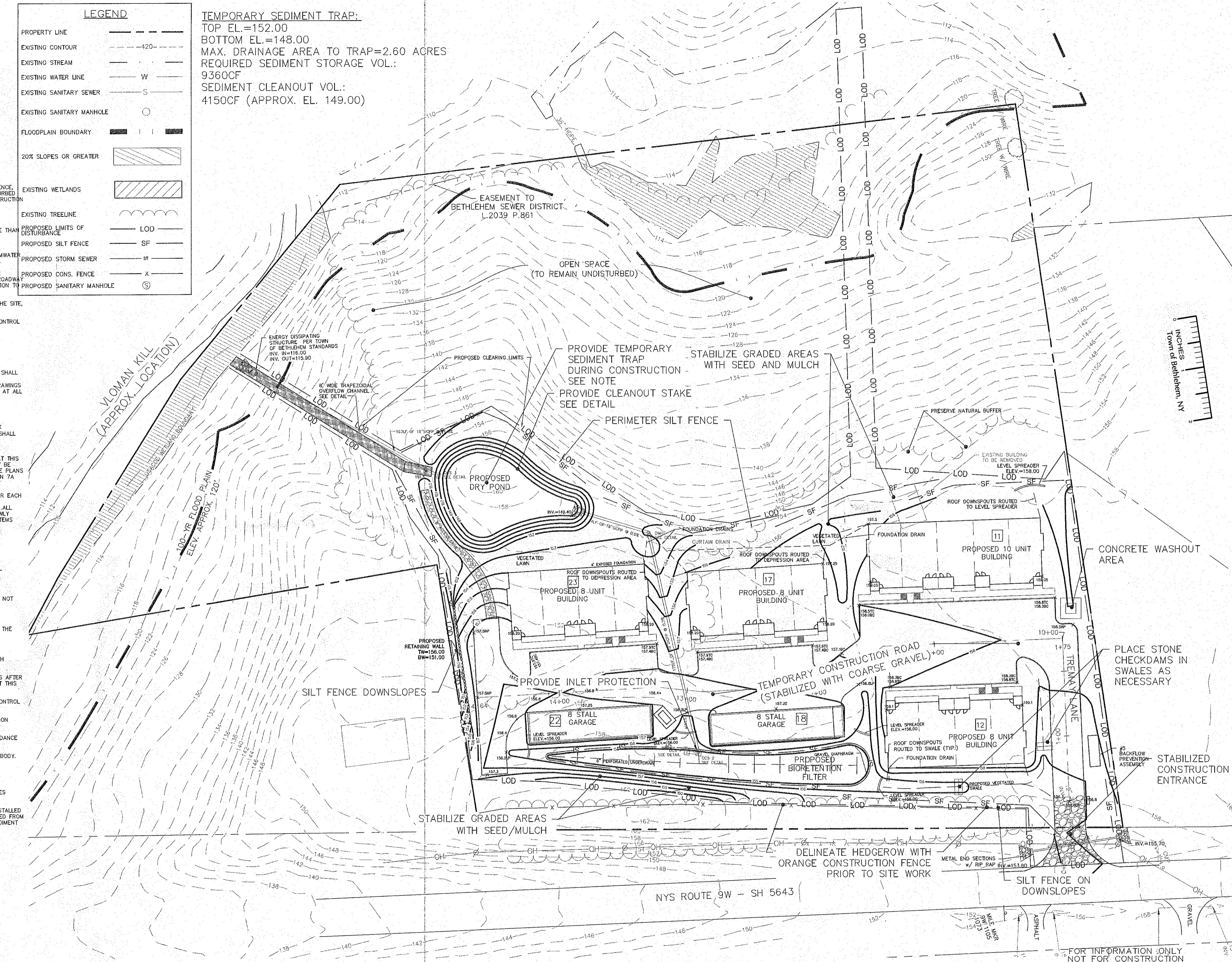
- TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRACTED AREAS. TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES INCLUDE SILT FENCE, CAT FENCE, SEDIMENT TRAPS, CHECK DAMS IN CONCENTRATED FLOW AREAS, TEMPORARY AND PERMANENT SEEDING OF DISTURBED AREAS, USE OF MULCH COVER AND EROSION CONTROL MATTING ON EXPOSED AREAS, AND INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCES.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION AND EQUIPMENT ENTRANCE WHENEVER PRACTICABLE.
- IN ACCORDANCE WITH THE "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL", THERE SHALL NOT BE MORE THAN FIVE (5) ACRES OF DISTURBED SOIL AT ANY ONE TIME. THE CONTRACTOR SHALL COORDINATE EARTHWORK ACTIVITIES AND IMPLEMENTATION OF SOIL STABILIZATION MEASURES TO ENSURE COMPLIANCE TO THIS PERMIT REQUIREMENT.
- CONTRACTOR SHALL COMMENCE SITE CONSTRUCTION ACTIVITIES AS REQUIRED. CONSTRUCTION WILL BE PHASED TO BUILD STORMWATER DETENTION AREAS PRIOR TO PAVED AREAS, ALLOWING DIRECTION OF RUNOFF FROM UNSTABILIZED AREAS TO DETENTION BASIN.
- CONTRACTOR TO CONSTRUCT TOWN ROADS AND ASSOCIATED UTILITIES, INCLUDING WATER, SANITARY SEWER AND STORM WATER COLLECTION, CONVEYANCE SYSTEMS. ONCE ROAD SURFACE HAS BEEN STABILIZED, SILT FENCING SHALL BE INSTALLED ALONG ROADWAY TO PREVENT SEDIMENT FROM ENTERING THE CLOSED DRAINAGE NETWORK WITHIN THE ROADWAY. PRIOR TO FINALIZING CONNECTION TO THE STORM SEWER SYSTEM, ALL CATCH BASINS AND DRAINAGE LINES SHALL BE CLEANED OF ALL SILT AND SEDIMENT.
- IMMEDIATELY FOLLOWING COMPLETION OR SUSPENSION OF CONSTRUCTION ACTIVITIES OR WITHIN 14 DAYS IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
- UPON COMPLETION OF CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THE REMOVAL.

EROSION CONTROL GENERAL NOTES

- THIS PROJECT IS AUTHORIZED UNDER NYSDEC PERMIT GP-0-10-001.
- ANY CONTRACTOR INVOLVED IN EARTHWORK ACTIVITIES, INCLUDING BUT NOT LIMITED TO: CLEARING, GRADING AND TRENCHING, SHALL REVIEW ALL PERMIT CONDITIONS AND CERTIFY UNDERSTANDING OF THESE CONDITIONS, IN WRITING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL EROSION CONTROLS DESCRIBED IN GP-0-10-001, AND IT IS NOT THE INTENT OF THESE DRAWINGS TO REPLACE OR DISSEMINATE THE PERMIT REQUIREMENTS. THE CONTRACTOR SHALL REMAIN IN COMPLIANCE WITH THE PERMIT AT ALL TIMES.

TEMPORARY EROSION AND SEDIMENT CONTROL NOTES

- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE LATEST EDITION OF NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. (AKA: THE BLUE BOOK) EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- IT IS THE INTENT OF THESE PLANS AND NOTES TO BE USED AS A GUIDE BY THE CONTRACTOR TO ENSURE THAT NO ERODED MATERIAL MIGRATES FROM THE SITE OR ENTERS ANY WATER COURSE IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THIS GOAL IS MET, BY IMPLEMENTING THESE PLANS AND ANY ADDITIONAL MEASURES NECESSARY. EROSION CONTROL DETAILS BEING PROVIDED BY THE CITY, VILLAGE, OR TOWN ENGINEER WHILE THE EROSION CONTROL DETAILS CONTAINED WITHIN THESE PLANS ARE TAKEN DIRECTLY FROM THE BLUE BOOK, THE CONTRACTOR SHOULD CONSIDER ANY OF THE DETAILS CONTAINED IN SECTION 7A OF THE BLUE BOOK AS ACCEPTABLE PRACTICE IN THE APPROPRIATE APPLICATION.
- THE DEVELOPER/CONTRACTOR OR HIS BUILDER SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL EVENT THROUGH THE ENTIRE DEVELOPMENT PROCESS TO ASSURE PROPER FUNCTION. SILTATION BARRIERS SHALL BE MAINTAINED IN GOOD CONDITION AND REINFORCED, EXTENDED, RE-SEEDED AND PROTECTED FROM FURTHER EROSION. ALL SEDIMENT ACCUMULATED SHALL BE REMOVED AND CONTAINED APPROPRIATE SPIL AREA. WATER SHALL BE APPLIED TO NEWLY SEDIMENTED AREAS AS SOON AS POSSIBLE. CONSIDERATION SHALL BE MADE FOR THE PROTECTION OF FENCE POSTS. FENCE ITEMS SHOULD BE PAID PARTICULAR ATTENTION. SILT FENCING SHALL BE INSPECTED FOR UNDERMINING AND DETERIORATION. B-SEEDED/MULCHED AREAS SHALL BE INSPECTED TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE REPAVED, AS NECESSARY.
- EROSION CONTROL DEVICES SHALL NOT BE REMOVED UNTIL THE CITY, VILLAGE OR TOWN ENGINEER HAS APPROVED FINAL STABILIZATION.
- SILT FENCE AND OTHER EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THESE DETAIL SHEETS AND SECTION 7A OF THE BLUE BOOK.
- PRIOR TO ANY CONSTRUCTION ACTIVITY, THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED.
- CONSTRUCTION TRAFFIC SHALL NOT CROSS STREAMS OR DITCHES EXCEPT AT SUITABLE CROSSING FACILITIES. EQUIPMENT SHALL NOT OPERATE, UNNECESSARILY, WITHIN WATERWAYS OR DRAINAGE DITCHES.
- EXISTING PAVEMENT AREAS SHALL BE CLEANED AT THE DIRECTION OF THE CITY, VILLAGE, OR TOWN ENGINEER.
- WATER TRUCKS SHALL BE USED TO MINIMIZE DUST POLLUTION ON SITE, AND ON ADJACENT ROADWAY AREAS AS DIRECTED BY THE CITY, VILLAGE, OR TOWN ENGINEER.
- ANY WATER PUMPED AS A RESULT OF Dewatering ACTIVITIES SHALL BE PUMPED INTO A Dewatering PIT.
- CONCRETE WASHOUT AREAS SHALL BE DESIGNATED BY THE DEVELOPER OR CONTRACTOR AND PROTECTED IN ACCORDANCE WITH GP-0-10-001.
- ALL AREAS DISTURBED IN THE CONSTRUCTION PROCESS SHALL BE STABILIZED WITH SEED AND MULCH NO MORE THAN 14 DAYS AFTER THE COMPLETION OF WORK IN THAT AREA. IT MAY BE NECESSARY TO SEE AND MULCH SOME AREAS SEVERAL TIMES TO MEET THIS REQUIREMENT.
- IT IS RECOMMENDED THAT ALL EROSION CONTROL DEVICES BE PLACED FOR THE ENTIRE PHASE AS SHOWN ON THE EROSION CONTROL PLAN.
- STOCK PILES SHALL BE PROTECTED BY SILT FENCE PER GP-0-10-001. THESE DEVICES SHALL BE MAINTAINED IN GOOD CONDITION UNTIL SAID STOCK PILES ARE REMOVED AND STOCK PILING AREAS ARE PERMANENTLY STABILIZED.
- STOCK PILES SHALL BE SEEDED UPON SUSPENSION OF WORK OR IF MATERIAL IS NOT TO BE USED WITHIN 14 DAYS, IN ACCORDANCE WITH GP-0-10-001.
- IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM OR OTHER SURFACE WATER BODY.
- SILT FENCING SHALL BE INSTALLED AT THE PERIMETER OF ALL SLOPES TO BE GRADED, PRIOR TO GRADING OPERATIONS.
- CLEARING OPERATIONS SHALL BE LIMITED TO ACTIVE WORK AREAS.
- CARE SHALL BE TAKEN TO PRESERVE AS MUCH EXISTING VEGETATION AS POSSIBLE AND HEALTHY TREES OF DESIRABLE SPECIES SHALL BE PROTECTED.
- WHEN RUNOFF IS COLLECTED AND FLOW IS CONCENTRATED IN A SWALE OR DRAINAGE DITCH, THEN CHECK DAMS SHALL BE INSTALLED TO REDUCE VELOCITY UNTIL THE SWALE AND THE AREA DRANDING TO THE SWALE ARE STABILIZED. SEDIMENT SHALL BE REMOVED FROM THE DAM AS NEEDED TO ALLOW THE CHANNEL TO DRAIN THROUGH THE DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM.



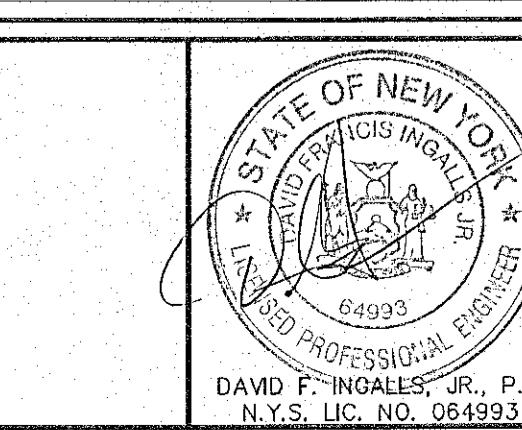
Town of Bethlehem Planning Board  
By direction of the Chairman  
these plans are hereby Approved.  
See first sheet for date & signature.

PLANNING BOARD APPROVAL

ALBANY COUNTY DEPARTMENT OF HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH SERVICES  
By direction of the Commissioner of Health, these  
plans are hereby approved. See first sheet for  
date and signature.

NOTE: 48 HOURS PRIOR TO ANY CONSTRUCTION  
ACTIVITIES, THE CONTRACTOR SHALL CONTACT  
DIG SAFELY NEW YORK TO LOCATE ALL  
UNDERGROUND UTILITIES. 1-800-962-7962

4	6/6/12	REVISIONS PER FINAL TOWN COMMENTS	CDL	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE ENVIRONMENTAL QUALITY PROTECTION LAW. ONLY COPIES MADE FROM THE ORIGINAL OF THIS DRAWING BEARING AN ORIGINAL INKED OR EMBOSSED SEAL AND SIGNATURE SHALL BE CONSIDERED TO BE VALID TRUE COPIES.
3	4/11/12	REVISIONS PER TOWN PLANNING & ENG COMMENTS	CDL	
2	12/22/11	REVISIONS PER TDE COMMENTS	CDL	
1	11/8/11	REVISIONS PER TOWN & TDE COMMENTS	CDL	© Copyright 2011 - Ingalls & Associates, LLP - All rights reserved
NO. DATE:		REVISIONS	BY:	DAVID F. INGALLS, JR., P.E. N.Y.S. LIC. NO. 064993



ingalls  
ingalls & associates, LLP  
engineers / surveyors

EROSION & SEDIMENT CONTROL PLAN  
1035 ROUTE 9W  
LOCUST VIEW APARTMENTS  
TOWN OF BETHLEHEM STATE OF NEW YORK  
COUNTY OF ALBANY STATE OF NEW YORK  
DATE: JANUARY 11, 2011 CHECKED BY: D.F.I.  
DRAWN BY: C.D.L. JOB NO. 10-084  
CADD FILE: ESC PLAN.DWG  
SCALE: 1" = 40'  
SHEET 6 OF 10