

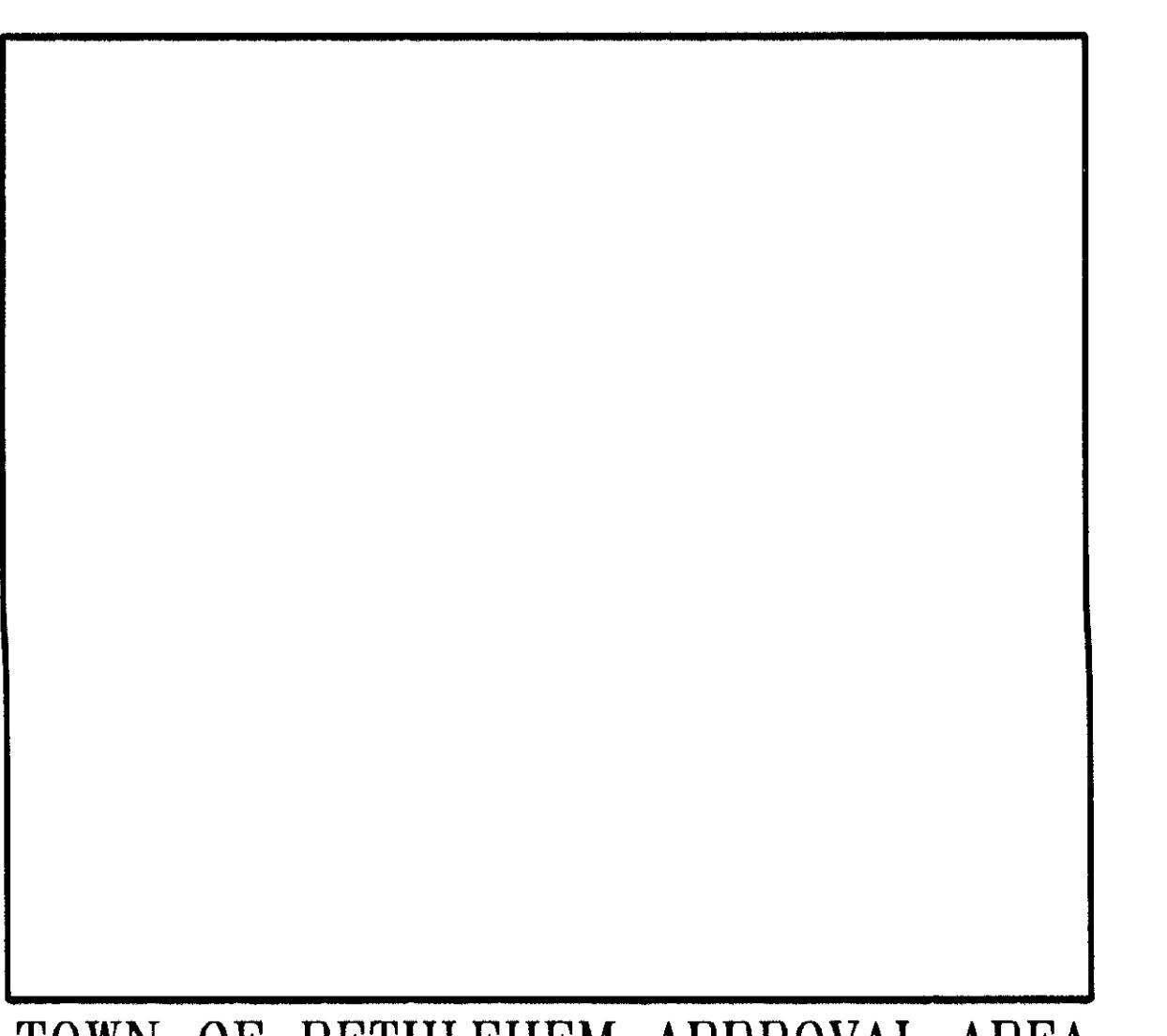

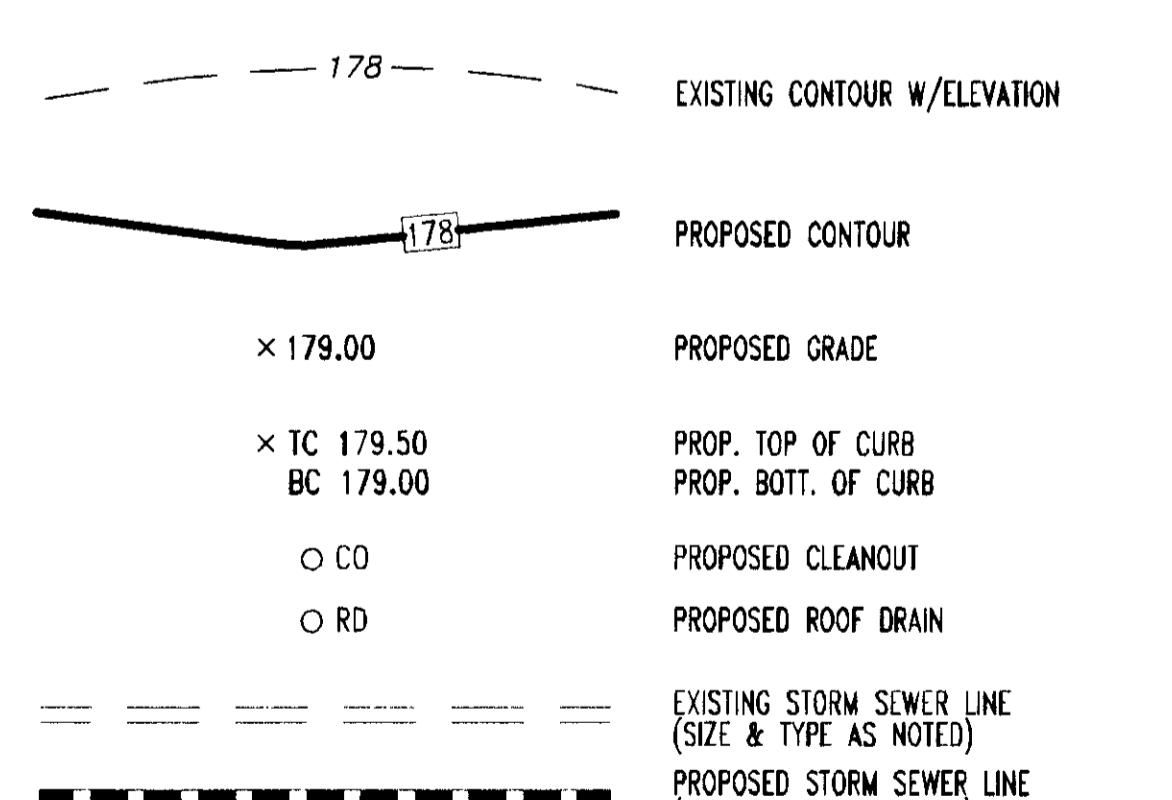
## GRADING & UTILITY NOTES

- LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROPRIATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEYOND THE LOWEST INVERT POINT OF CONSTRUCTION AND PROCEED IN A DRAINED, PROPOSED INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL UTILITIES AND SERVICES INCLUDING BUT NOT LIMITED TO GAS, WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC. WITHIN THE LIMITS OF DISTURBANCE SHALL BE VERTICALLY AND HORIZONTALLY LOCATED. THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE OWNER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDERS REQUIREMENTS AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION AS IDENTIFIED OR REQUIRED FOR PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION UTILITY COMPANY REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF SITE PLAN DOCUMENTS AND ARCHITECTURAL DESIGN FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS, GREASE TRAP REQUIREMENTS/DETAILS, DOOR ACCESS, AND EXTERIOR GRADING. THE UTILITY CONNECTIONS SHALL BE COORDINATED WITH THE APPLICABLE UTILITY SERVICE PROVIDERS AND COORDINATED WITH UTILITIES/SEWER WITH THE INDIVIDUAL COMPANIES, TO AVOID CONFLICTS AND ENSURE PROPER DEPTHS ARE ACHIEVED. THE JURISDICTION UTILITY REQUIREMENTS SHALL ALSO BE MET, AS WELL AS COORDINATING THE UTILITY TIE-INS/CONNECTIONS PRIOR TO CONNECTING TO THE EXISTING UTILITY/SERVICE. WHERE CONFLICTS EXIST WITH THESE SITE PLANS, ENGINEER IS TO BE NOTIFIED PRIOR TO CONSTRUCTION TO RESOLVE SAME.
- WATER SERVICE MATERIALS, BURIAL DEPTH, AND COVER REQUIREMENTS SHALL BE SPECIFIED BY THE LOCAL UTILITY COMPANY. CONTRACTOR'S PRICE FOR WATER SERVICE SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY PROVIDER FOR A COMPLETE WORKING SERVICE.
- ALL NEW UTILITIES/SERVICES, INCLUDING ELECTRIC, TELEPHONE, CABLE TV, ETC. ARE TO BE INSTALLED UNDERGROUND. ALL NEW UTILITIES/SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE UTILITY/SERVICE PROVIDER INSTALLATION SPECIFICATIONS AND STANDARDS.
- SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT PREPARED IN THE SITE PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING OF EXISTING SOILS AND MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS AND REQUIREMENTS AS SHOWN. SOILS SHALL BE COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL BE SUBMITTED IN COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED. VERIFYING THAT THE FILLED AREAS AND GRADE AREAS ARE IN LINE WITH THE BUILT-UP AREA AND THAT THE SOILS ARE COMPACTED AS PER THE REQUIREMENTS SPECIFIED IN THE SITE PLAN SET AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT. SUBGRADE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBGRADE BE DEEMED UNSUITABLE BY OWNER OR OWNER'S REPRESENTATIVE, SUBGRADE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT.
- ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION SHALL BE AS PER RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND SHALL BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS.
- THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS AND REGULATIONS OR ANY OTHER AGENCY INVOLVED IN JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHAT STANDARDS ARE REQUIRED TO MEET THE INTERSTATE CONSTRUCTION CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND OR TRENCHING PROCEDURES.
- PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS SHALL BE REMOVED FROM THE SITE AT TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.
- THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS SHALL BE ADJUSTED, IF REQUIRED, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING DRAINAGE INFORMATION AND UTILITY INVERT ELEVATIONS AND OTHER CONCERNING INFORMATION RELATED TO EXCAVATION. 0.75" MINIMUM CURB AGAINST ALL PAVEMENT CUTTERS AND 1.5% MAX. ON ALL CONCRETE SURFACES, AND 1.5% MINIMUM ON ASPHALT, TO PREVENT PAVING IMMEDIATELY. PROCEEDINGS WITH CONSTRUCTION WITHOUT NOTIFICATION IS DONE SO AT THE CONTRACTOR'S OWN RISK.
- PROPOSED TOP OF CURB ELEVATION - 8" GENERALLY ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM .75" CUTTER GRADE ALONG CURB FACE. ENGINEER TO APPROVE FINAL CURBING CUTS PRIOR TO INSTALLATION.
- REFER TO SITE PLAN FOR ADDITIONAL NOT.
- IN CASE OF DISCREPANCIES BETWEEN PLANS & RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE. IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICTS.
- CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR SHALL SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING WORK.
- THE STORMWATER MANAGEMENT SYSTEM MUST BE CERTIFIED BY A P.E. BEFORE THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

## INSPECTION OF CONSTRUCTION

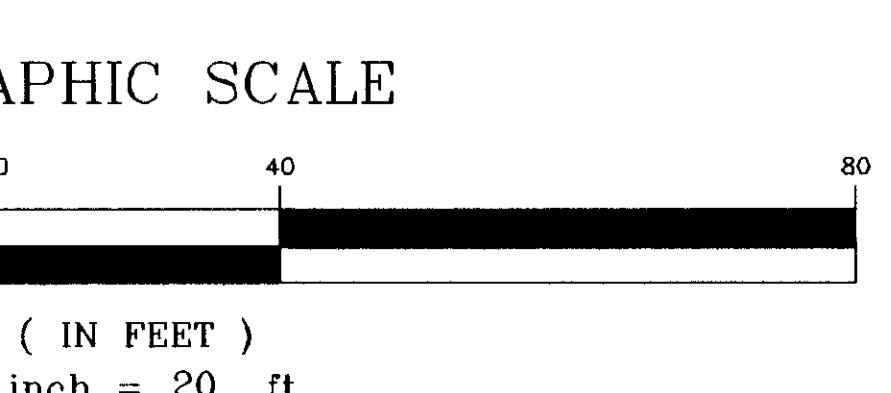
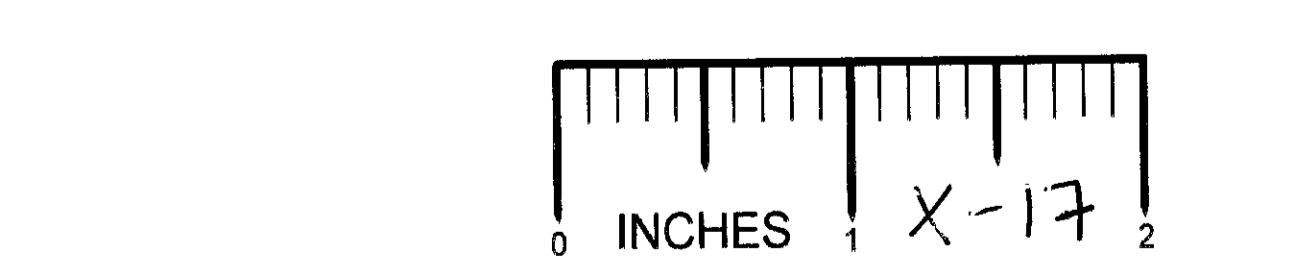
- THE DESIGN ENGINEER FOR THE ALBANY COUNTY HEALTH DEPARTMENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF THE FOLLOWING INSPECTIONS:
  - AT THE STAKEOUT OF ALL SYSTEM COMPONENTS AND ABSORPTION AREAS
  - 17' AT THE PLACEMENT OF THE ABSORPTION TANKS AND DISTRIBUTION BOX
  - AFTER THE FINAL GRADING, TOPSOIL AND SEEDING.
- CERTIFICATION BY A PROFESSIONAL ENGINEER SHALL BE PROVIDED TO THE BUILDING DEPARTMENT AND HEALTH DEPARTMENT UPON COMPLETION OF THE SYSTEM, AND PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
- CERTIFICATION BY A PROFESSIONAL ENGINEER SHALL BE PROVIDED TO THE BUILDING DEPARTMENT AND HEALTH DEPARTMENT UPON COMPLETION OF THE STORM WATER MANAGEMENT SYSTEM, AND PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

## GENERAL GRADING & DRAINAGE LEGEND



THE STATE OF NEW YORK REQUIRES NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE TO NOTIFY THE STATE.  
(1-800-962-7962)

ANY PERSON IS PROHIBITED FROM ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE WRITTEN DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OF THE FIRM. IN THE EVENT SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER OF THE FIRM MUST SIGN, SEAL, DATE, AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICATIONS. (N.Y. EDUCATION LAW SECTION 7202-2)



11	11/6/07	REVISED PER TOWN COMMENTS	ECR
10	10/29/07	REVISED PER TOWN COMMENTS	ECR
9	7/25/07	REVISED PER TOWN COMMENTS	ECR
8	6/27/07	EDG. CATCHY REDUCED / SITE REDESIGNED	SS
7	4/27/07	EDG. CATCHY REDUCED / SITE REDESIGNED	SS
6	4/18/07	TRUCK DELIVERY / MAPLE AVE ACCESS	SS
5	4/28/07	REVISED PER DOT COMMENTS	SS
3	12/12/06	REVISED PER CLIENT COMMENTS	ECR
2	11/21/06	REVISED PER CLIENT COMMENTS	ECR
1	10/24/06	ALG. FOOTPRINT REVISED	ECR

REV.	DATE	COMMENT	BY
1	10/24/06	ALG. FOOTPRINT REVISED	

11/6/07	REVISED PER TOWN COMMENTS	ECR
10/29/07	REVISED PER TOWN COMMENTS	ECR
7/25/07	REVISED PER TOWN COMMENTS	ECR
6/27/07	EDG. CATCHY REDUCED / SITE REDESIGNED	SS
4/27/07	EDG. CATCHY REDUCED / SITE REDESIGNED	SS
4/18/07	TRUCK DELIVERY / MAPLE AVE ACCESS	SS
4/28/07	REVISED PER DOT COMMENTS	SS
12/12/06	REVISED PER CLIENT COMMENTS	ECR
11/21/06	REVISED PER CLIENT COMMENTS	ECR
10/24/06	ALG. FOOTPRINT REVISED	ECR

**Cumberland Farms**  
777 Debnam Street, Carlton, Massachusetts 02021

5 Computer Drive West  
Albany, NY 12205  
518.438.9900  
fax: 518.438.0900  
www.bohlereng.com

PROJECT: CUMBERLAND FARMS, INC.		TITLE: GRADING PLAN	
PROPS. CONVENIENCE STORE & GAS STATION	PROPS. CONVENIENCE STORE & GAS STATION	ENVIRONMENTAL & SITE PLANNERS	MUNICIPAL ENGINEERS
LOTS 7, 8 & 12, BLOCK 1, SECTION 121.04	LOTS 7, 8 & 12, BLOCK 1, SECTION 121.04	Other Office Locations:	
NEW YORK STATE HIGHWAY ROUTE 9W	NEW YORK STATE HIGHWAY ROUTE 9W	Chelmsford, MA	Ronkonkoma, NY
TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK	TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK	Sterling, VA	Warrenton, VA
L.H. BOHLER	W.D. GOEBEL	Other Office Locations:	Towson, MD
BOHLER	GOEBEL	Other Office Locations:	Albany, NY
ENGINEERING, P.C.	ENVIRONMENTAL & SITE PLANNERS	Other Office Locations:	Southborough, MA

SCALE: (H) 1" = 20'	DATE: 09/12/06	SHEET NO: 4
(V) NONE		
DRAWN BY: SMV	PROJECT NO: BD50649	
REV. NO: 4		
CONSTRUCTION CHECK		

PROFESSIONAL ENGINEER	NEW YORK LICENSE No. 63401
NEW JERSEY LICENSE No. 27410	
CONNECTICUT LICENSE No. 21854	
VERMONT LICENSE No. 37184	
MASSACHUSETTS LICENSE No. 17305	
RHODE ISLAND LICENSE No. 42644	
MARYLAND LICENSE No. 37025	

PROFESSIONAL ENGINEER	NEW YORK LICENSE No. 071284
NEW JERSEY LICENSE No. 27410	
CONNECTICUT LICENSE No. 21854	
VERMONT LICENSE No. 37184	
MASSACHUSETTS LICENSE No. 17305	
RHODE ISLAND LICENSE No. 7268	

OF 19

REV. NO.

CONSTRUCTION CHECK DATE

11