

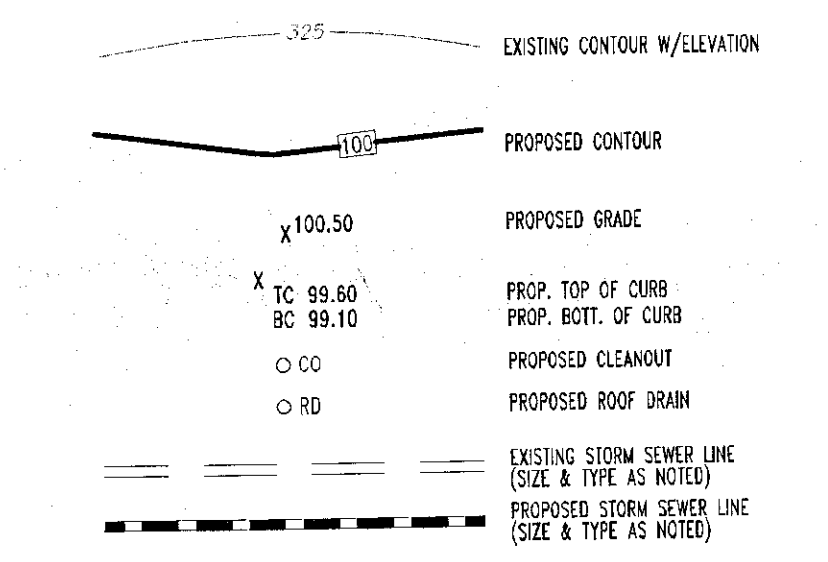
NEW YORK STATE ROUTE 9W
(A.K.A. STATE HIGHWAY #9101)
(VARIABLE WIDTH)
(F.K.A. SOUTHERN BOULEVARD STATE HIGHWAY)

NEW YORK STATE ROUTE 32
(A.K.A. CORNING HILL ROAD, STATE HIGHWAY #5499)
(F.K.A. ALBANY-BETHLEHEM TURNPIKE)
(VARIABLE WIDTH)

GRADING & DRAINAGE NOTES:

1. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER A.S.T.M. TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL BE 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER, REGISTERED WITHIN THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.
2. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 1.00% MIN. SLOPE AGAINST ALL CURBS AND 1.00% MIN. ON ASPHALT, TO PREVENT POOLING. ANY DISCREPANCIES THAT MAY EFFECT THE PUBLIC SAFETY OR PROJECT COST, MUST BE IDENTIFIED TO THE ENGINEER IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITH DESIGN DISCREPANCIES IS DONE SO AT THE CONTRACTOR'S OWN RISK.
3. LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE 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 BEGINNING AT THE LOWEST INVERT (POINT OF CONNECTION) AND PROGRESS UP GRADIENT, INTERFERENCE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OR CONSTRUCTION.
4. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE. FIELD GRADE TO CREATE A MIN. OF 1.00% GRADE ALONG CURB FACE. ENGINEER TO APPROVE FINAL CURBING CUT SHEETS PRIOR TO INSTALLATION.
5. REFER TO SITE PLAN FOR ADDITIONAL NOTES.
6. IN CASE OF DISCREPANCIES BETWEEN PLANS, THE SITE PLAN WILL SUPERSEDE IN ALL CASES. NOTIFY ENGINEER OF RECORD OF ANY CONFLICT.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY UTILITY "ONE-CALL" (800-962-7962) 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER & SEWER DEPARTMENTS TO MARK OUT THEIR UTILITIES.
8. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED TO 95% OPTIMUM DENSITY (AS DETERMINED BY MODIFIED PROCTOR METHOD).
9. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS. SERVICE SIZE TO BE DETERMINED BY ARCHITECT.
10. ALL ROOF AND CANOPY DRAINS SHALL BE MIN. 6" HOPE.
11. AFTER CONSTRUCTION, ENGINEER SHALL CERTIFY TO THE TOWN OF BETHLEHEM THAT THE STORMWATER MANAGEMENT SYSTEM HAS BEEN INSTALLED ACCORDING TO THE APPROVED PLANS.

GENERAL GRADING & DRAINAGE LEGEND



PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved.

[Signature]
Title: *Chairman*
Date: *8/24/06*

TOWN OF BETHLEHEM APPROVAL AREA

RECEIVED
AUG 28 2006
TOWN ENGINEER

Cumberland Farms
777 Durham Street Canton, Massachusetts 02021

BOHLER ENGINEERING, P.C.
• CIVIL & CONSULTING ENGINEERS • PROJECT MANAGERS • ENVIRONMENTAL & SITE PLANNERS • MUNICIPAL ENGINEERS •
352 TURNPIKE ROAD, SUITE 105 SOUTHBOROUGH, MA 01772 (508) 480-9900
5 COMPUTER DRIVE WEST, SUITE 203 ALBANY, NEW YORK 12205 (518) 438-9900
775 MOUNTAIN BLVD. WATCHUNG, NEW JERSEY 07060 (908) 688-8300

PROJECT: CUMBERLAND FARMS, INC.
PROP. FOOD STORE & GAS STATION
88 ROUTE 9W - NYS RTE 9W & NYS RTE 32
TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK

TITLE: GRADING & DRAINAGE PLAN

DATE: 4/11/05

PROJECT NO: 6040587

CHD ID: 6040587ss0

CONSTRUCTION CHECK

DATE

L.H. BOHLER
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 27410
PENNSYLVANIA LICENSE NO. 37184
NEW YORK LICENSE NO. 62409
CONNECTICUT LICENSE NO. 17518
MASSACHUSETTS LICENSE NO. 27025

SCALE: (H) 1"=30'
(V) NONE

DRAWN BY: SMV

CHECKED BY: RJS

REV. No. 5

5 OF 16

REV. No. 8



REV.	DATE	DESCRIPTION
1	8/24/06	REVISED PER TOWN ENGINEER COMMENTS
2	8/24/06	REVISED PER TOWN ENGINEER COMMENTS
3	8/24/06	REVISED PER TOWN ENGINEER COMMENTS
4	8/24/06	REVISED PER TOWN ENGINEER COMMENTS
5	8/24/06	REVISED PER TOWN ENGINEER COMMENTS
6	8/24/06	REVISED PER TOWN ENGINEER COMMENTS
7	8/24/06	REVISED PER TOWN ENGINEER COMMENTS
8	8/24/06	REVISED PER TOWN ENGINEER COMMENTS