

- ### DEMOLITION NOTES:
1. ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN STRICT ADHERENCE TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.
 2. PROCEED WITH DEMOLITION IN A SYSTEMATIC MANNER, FROM THE TOP OF THE STRUCTURE(S) TO THE GROUND.
 3. COMPLETE DEMOLITION WORK ABOVE EACH FLOOR OR TIER BEFORE DISTURBING ANY OF THE SUPPORTING MEMBERS OF THE LOWER LEVELS.
 4. DEMOLISH CONCRETE AND MASONRY IN ALL SECTIONS.
 5. REMOVE STRUCTURAL FRAMING MEMBERS AND LOWER THEM TO THE GROUND BY MEANS OF HOISTS, DERRICKS OR OTHER SUITABLE METHODS.
 6. BREAK UP CONCRETE SLABS-ON-GRADE, UNLESS OTHERWISE DIRECTED BY CUMBERLAND FARMS, INC.
 7. LOCATE DEMOLITION EQUIPMENT THROUGHOUT THE STRUCTURE AND REMOVE MATERIALS SO AS NOT TO IMPOSE EXCESSIVE LOADS ON SUPPORTING WALLS, FLOORS, OR FRAMING.
 8. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING AND SUPPORTS TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF STRUCTURES TO BE DEMOLISHED (AND ADJACENT FACILITIES, IF APPLICABLE).
 9. DEMOLISH AND REMOVE ALL FOUNDATION WALLS, FOOTINGS AND OTHER MATERIALS WITHIN THE AREA OF THE DESIGNATED FUTURE BUILDINGS. ALL OTHER FOUNDATION SYSTEMS, IF ANY, SHALL BE DEMOLISHED TO A DEPTH OF NOT LESS THAN ONE FOOT BELOW PROPOSED PAVEMENT GRADE. BREAK BASEMENT FLOOR SLABS. SEAL ALL OPEN UTILITY LINES WITH CONCRETE.
 10. ERECT AND MAINTAIN COVERED PASSAGEWAYS IN ORDER TO PROVIDE SAFE PASSAGE FOR PERSONS AROUND THE AREA OF DEMOLITION. CONDUCT ALL DEMOLITION OPERATIONS IN A MANNER THAT WILL PREVENT DAMAGE AND PERSONNEL INJURY TO STRUCTURES, ADJACENT BUILDINGS AND ALL PERSONS. AND APPLICABLE.
 11. REFRAIN FROM USING EXPLOSIVES WITHOUT PRIOR WRITTEN CONSENT OF CUMBERLAND FARMS, INC. OR GOVERNMENTAL AUTHORITIES.
 12. CONDUCT DEMOLITION SERVICES IN SUCH A MANNER TO INSURE MINIMUM INTERFERENCE WITH ROADS, SIDEWALKS, WALLS AND OTHER ADJACENT FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALLS, OR OTHER OCCUPIED FACILITIES WITHOUT PRIOR WRITTEN PERMISSION OF CUMBERLAND FARMS, INC. AND ANY APPLICABLE GOVERNMENTAL AUTHORITIES. PROVIDE ALTERNATIVE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY APPLICABLE GOVERNMENTAL REGULATIONS.
 13. USE WATERING, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS, AS NECESSARY TO LIMIT THE AMOUNT OF DUST AND DEBRIS RISING AND SCATTERING IN THE AIR. CLEAN ADJACENT STRUCTURE OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. RETURN ALL ADJACENT AREAS TO THE CONDITIONS EXISTING PRIOR TO THE START OF WORK.
 14. ACCOMPLISH AND PERFORM THE DEMOLITION IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANYTIME.
 15. COMPLETELY FILL BELOW GRADE AREAS AND Voids RESULTING FROM THE DEMOLITION OF STRUCTURES AND FOUNDATIONS WITH SOIL MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATERIAL. STONES USED WILL NOT BE LARGER THAN 6 INCHES IN DIMENSION. MATERIAL FROM DEMOLITION MAY NOT BE USED AS FILL. PRIOR TO PLACEMENT OF FILL MATERIALS, UNDERTAKE ALL NECESSARY ACTION IN ORDER TO INSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROZEN MATERIAL, TRASH, DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 6 INCHES IN LOOSE DEPTH AND COMPACT EACH LAYER AT PLACEMENT TO 95% OPTIMUM MOISTURE PROCTOR. GRADE THE SURFACE TO MEET ADJACENT CONTOURS AND TO PROVIDE SURFACE DRAINAGE.
 16. REMOVE FROM THE DESIGNATED SITE, AT THE EARLIEST POSSIBLE TIME, ALL DEBRIS, RUBBISH, SALVAGEABLE ITEMS, HAZARDOUS AND COMBUSTIBLE SERVICES. REMOVED MATERIALS MAY NOT BE STORED, SOLD OR BURNED ON THE SITE. REMOVAL OF HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROCEDURES AS AUTHORIZED BY THE FIRE DEPARTMENT OR OTHER APPROPRIATE REGULATORY AGENCIES AND DEPARTMENTS.
 17. DISCONNECT, SHUT OFF AND SEAL IN CONCRETE UTILITIES SERVING THE STRUCTURE(S) TO BE DEMOLISHED BEFORE THE COMMENCEMENT OF THE DESIGNATED DEMOLITION. MARK FOR POSITION ALL UTILITY DRAINAGE AND SANITARY LINES AND PROTECT ALL ACTIVE LINES. CLEARLY IDENTIFY BEFORE THE COMMENCEMENT OF DEMOLITION SERVICES THE REQUIRED INTERDICTION OF ACTIVE SYSTEMS THAT MAY AFFECT OTHER PARTIES, AND NOTIFY ALL APPLICABLE UTILITY COMPANIES TO INSURE THE CONTINUATION OF SERVICE.
 18. PRIOR TO DEMOLITION, ALL UTILITIES TO BE DISCONNECTED. CONTRACTOR IS TO CONTACT THE APPROPRIATE UTILITY COMPANIES AND THE TOWN OF BETHLEHEM BUILDING DEPARTMENT.
 19. THE PLANS SHOW SUBSURFACE STRUCTURES, ABOVEGROUND STRUCTURES AND/OR UTILITIES FROM FIELD LOCATION AND RECORD. WARNING: EXIST LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE DIFFERENT FROM THAT SHOWN OR MAY NOT BE SHOWN, AND SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. 72 HOURS BEFORE YOU DIG, DRILL, OR BLAST CALL THE NEW YORK ONE CALL SYSTEM 1-(800)-962-7362 TOLL FREE.
 20. ALL CONSTRUCTION AND DEMOLITION MATERIALS TO BE DISPOSED OF OFF-SITE AND PER NYSDOT REGULATIONS.
 21. ALL ASBESTOS MATERIAL AND SUSPECTED ASBESTOS CONTAINING MATERIAL SHALL BE IDENTIFIED BY, REMOVED AND DISPOSED OF BY PROPERLY LICENSED CONTRACTORS AND PERSONNEL ONLY.

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved.

Title SPA 121

Date 8/24/06

RECEIVED

TOWN OF BETHLEHEM APPROVAL AREA

AUG 28 2006

TOWN OF BETHLEHEM

Cumberland Farms
777 Dorcham 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) 438-0000

775 MOUNTAIN BLVD. WATCHUNG, NEW JERSEY 07060 (908) 668-8300

PROJECT: CUMBERLAND FARMS, INC. PROP. FOOD STORE & GAS STATION 68 ROUTE 9W - NYS RTE 9W & NYS RTE 32 TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK

L.H. BOHLER

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 27410
PENNSYLVANIA LICENSE NO. 37184
NEW YORK LICENSE NO. 63406
CONNECTICUT LICENSE NO. 17618
MASSACHUSETTS LICENSE NO. 37025

TITLE: EXISTING CONDITIONS / DEMOLITION PLAN

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

DATE: 4/11/05

DRAWN BY: SMV

CHECKED BY: RJS

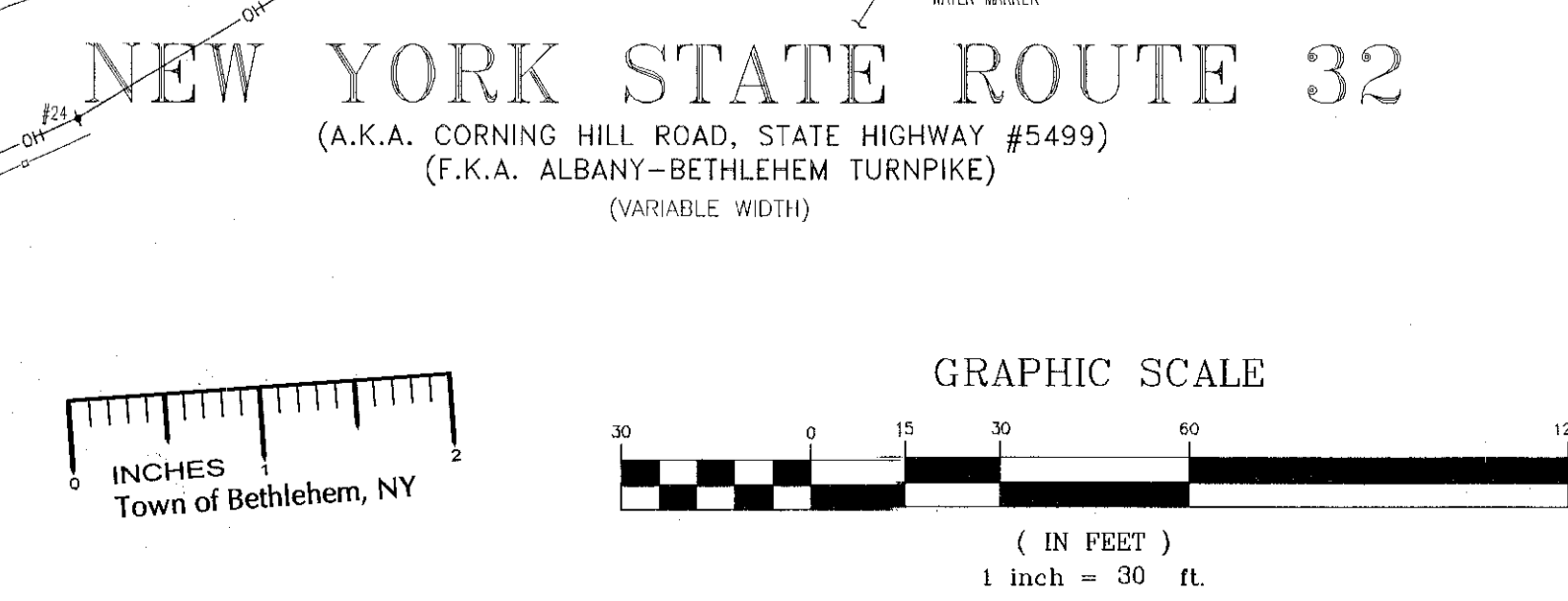
PROJECT NO: 6040587

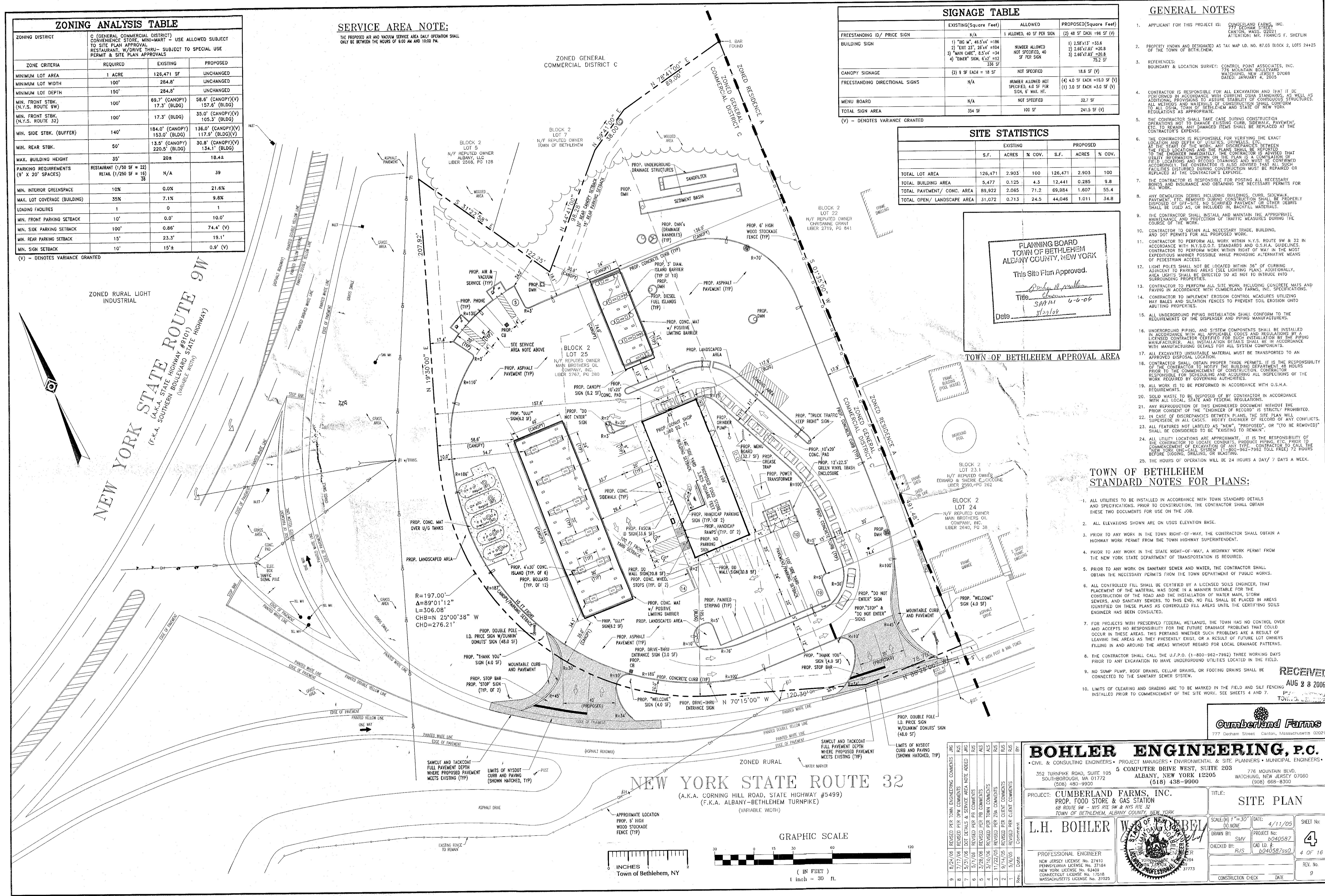
CAD ID #: 6040587s60

SHEET NO: 3 OF 16

REV. NO: 6

CONSTRUCTION CHECK DATE





ZONING ANALYSIS TABLE

ZONING DISTRICT	C (GENERAL COMMERCIAL DISTRICT) CONVENIENCE STORE, MINI-MART - USE ALLOWED SUBJECT TO SITE PLAN APPROVAL RESTAURANT, W/DRIVE THRU- SUBJECT TO SPECIAL USE PERMIT & SITE PLAN APPROVALS		
	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA	1 ACRE	126,471 SF	UNCHANGED
MINIMUM LOT WIDTH	100'	284.8'	UNCHANGED
MINIMUM LOT DEPTH	150'	284.8'	UNCHANGED
MIN. FRONT STBK. (N.Y.S. ROUTE 9W)	100'	89.7' (CANOPY) 17.3' (BLDG)	58.6' (CANOPY)(V) 157.6' (BLDG)
MIN. FRONT STBK. (N.Y.S. ROUTE 32)	100'	17.3' (BLDG)	35.0' (CANOPY)(V) 105.3' (BLDG)
MIN. SIDE STBK. (BUFFER)	140'	184.0' (CANOPY) 153.0' (BLDG)	136.0' (CANOPY)(V) 117.9' (BLDG)(V)
MIN. REAR STBK.	50'	13.6' (CANOPY) 220.5' (BLDG)	30.8' (CANOPY)(V) 134.1' (BLDG)
MAX. BUILDING HEIGHT	35'	20±	18.4±
PARKING REQUIREMENTS (9' X 20' SPACES)	RESTAURANT (1/50 SF = 22) RETAIL (1/250 SF = 16) 38	N/A	39
MIN. INTERIOR GREENSPACE	10%	0.0%	21.6%
MAX. LOT COVERAGE (BUILDING)	35%	7.1%	9.8%
LOADING FACILITIES	1	0	1
MIN. FRONT PARKING SETBACK	10'	0.0'	10.0'
MIN. SIDE PARKING SETBACK	100'	0.86'	74.4' (V)
MIN. REAR PARKING SETBACK	15'	23.3'	19.1'
MIN. SIGN SETBACK	10'	15±	0.9' (V)

(V) - DENOTES VARIANCE GRANTED

SERVICE AREA NOTE:

THE PROPOSED AIR AND VACUUM SERVICE AREA DAILY OPERATION SHALL ONLY BE BETWEEN THE HOURS OF 6:00 AM AND 10:00 PM.

ZONED GENERAL COMMERCIAL DISTRICT C

SIGNAGE TABLE

	EXISTING(Square Feet)	ALLOWED	PROPOSED(Square Feet)
FREESTANDING ID/ PRICE SIGN	N/A	1 ALLOWED, 40 SF PER SIGN	(2) 48 SF EACH =96 SF (V)
BUILDING SIGN	1) "BIG M", 46.5'x4' =186 2) "LOT 25", 28'x4' =104 3) "MAIN CAFE", 8.5'x4' =34 4) "TOWER" SIGN, 6'x2' =12 336 SF	NUMBER ALLOWED NOT SPECIFIED, 40 SF PER SIGN	1) 2.58'x13' =33.6 2) 2.66'x7.83' =20.8 3) 2.66'x7.83' =20.8 75.2 SF
CANOPY SIGNAGE	(2) 8 SF EACH = 16 SF	NOT SPECIFIED	18.6 SF (V)
FREESTANDING DIRECTIONAL SIGNS	N/A	NUMBER ALLOWED NOT SPECIFIED, 4.0 SF PER SIGN, 6' MAX. HT.	(4) 4.0 SF EACH =16.0 SF (V) (1) 3.0 SF EACH =3.0 SF (V)
MENU BOARD	N/A	NOT SPECIFIED	32.7 SF
TOTAL SIGN AREA	354 SF	100 SF	241.5 SF (V)

(V) - DENOTES VARIANCE GRANTED

SITE STATISTICS

	EXISTING			PROPOSED		
	S.F.	ACRES	% COV.	S.F.	ACRES	% COV.
TOTAL LOT AREA	126,471	2.903	100	126,471	2.903	100
TOTAL BUILDING AREA	5,477	0.125	4.3	12,441	0.285	9.8
TOTAL PAVEMENT/ CONC. AREA	89,922	2.065	71.2	69,984	1.607	55.4
TOTAL OPEN/ LANDSCAPE AREA	31,072	0.713	24.5	44,046	1.011	34.8

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved.
Danilo B. Bohl
Title: *Chairman*
Date: *8/2/06*

TOWN OF BETHLEHEM STANDARD NOTES FOR PLANS:

- ALL UTILITIES TO BE INSTALLED IN ACCORDANCE WITH TOWN STANDARD DETAILS AND SPECIFICATIONS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN THESE TWO DOCUMENTS FOR USE ON THE JOB.
- ALL ELEVATIONS SHOWN ARE ON USGS ELEVATION BASE.
- PRIOR TO ANY WORK IN THE TOWN RIGHT-OF-WAY, THE CONTRACTOR SHALL OBTAIN A HIGHWAY WORK PERMIT FROM THE TOWN HIGHWAY SUPERINTENDENT.
- PRIOR TO ANY WORK IN THE STATE RIGHT-OF-WAY, A HIGHWAY WORK PERMIT FROM THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION IS REQUIRED.
- PRIOR TO ANY WORK ON SANITARY SEWER AND WATER, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FROM THE TOWN DEPARTMENT OF PUBLIC WORKS.
- 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 THE INSTALLATION OF WATER MAIN, STORM SEWERS, AND SANITARY SEWERS. TO THIS END, NO FILL SHALL BE PLACED IN AREAS IDENTIFIED ON THESE PLANS AS CONTROLLED FILL AREAS UNTIL THE CERTIFYING SOILS ENGINEER HAS BEEN CONSULTED.
- FOR PROJECTS WITH PRESERVED FEDERAL WETLANDS, THE TOWN HAS NO CONTROL OVER AND ACCEPTS NO RESPONSIBILITY FOR THE FUTURE DRAINAGE PROBLEMS THAT COULD OCCUR IN THESE AREAS. THIS PERTAINS WHETHER SUCH PROBLEMS ARE A RESULT OF LEAVING THE AREAS AS THEY PRESENTLY EXIST, OR A RESULT OF FUTURE LOT OWNERS FILLING IN AND AROUND THE AREAS WITHOUT REGARD FOR LOCAL DRAINAGE PATTERNS.
- THE CONTRACTOR SHALL CALL THE U.S.P.O. (1-800-962-7962) THREE WORKING DAYS PRIOR TO ANY EXCAVATION TO HAVE UNDERGROUND UTILITIES LOCATED IN THE FIELD.
- NO SUMP PUMP, ROOF DRAINS, CELLAR DRAINS, OR FOOTING DRAINS SHALL BE CONNECTED TO THE SANITARY SEWER SYSTEM.
- LIMITS OF CLEARING AND GRADING ARE TO BE MARKED IN THE FIELD AND SILT FENCING INSTALLED PRIOR TO COMMENCEMENT OF THE SITE WORK. SEE SHEETS 4 AND 7.

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 POONDING. ANY DISCREPANCIES THAT MAY AFFECT 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" H.P.E.
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

- EXISTING CONTOUR W/ELEVATION
- PROPOSED CONTOUR
- PROPOSED GRADE
- PROP. TOP OF CURB
- PROP. BOT. OF CURB
- PROPOSED CLEANOUT
- PROPOSED ROOF DRAIN
- EXISTING STORM SEWER LINE (SIZE & TYPE AS NOTED)
- PROPOSED STORM SEWER LINE (SIZE & TYPE AS NOTED)

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved.

[Signature]
Title: *SP4 121 6-0-06*
Date: *8/24/06*

TOWN OF BETHLEHEM APPROVAL AREA

RECEIVED
AUG 28 2006
TOWN ENGINEER

Cumberland Farms
777 Deane 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

SCALE: (H) 1"=30' (V) NONE DATE: 4/11/05 SHEET No: 5 OF 16

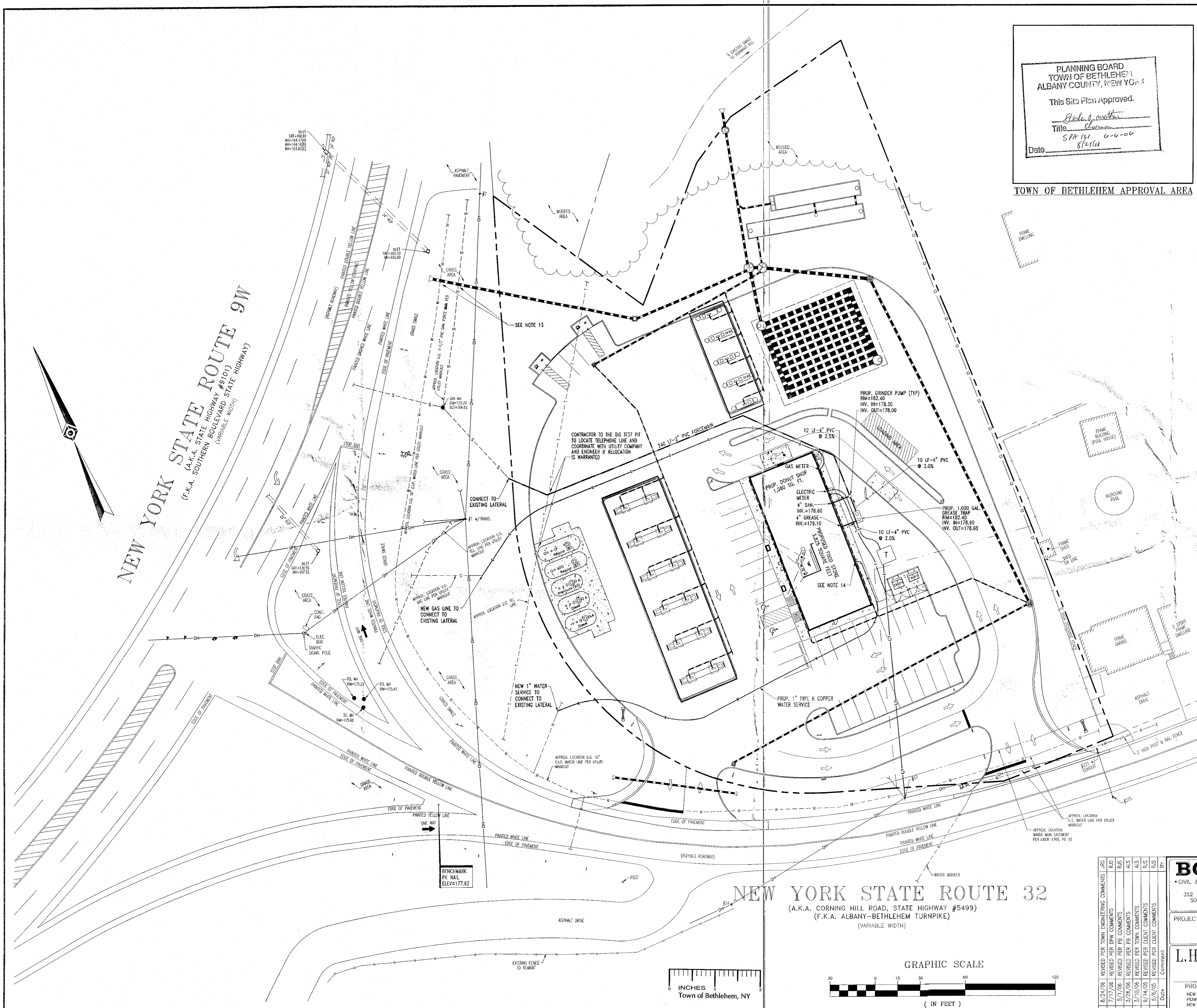
DRAWN BY: SMV PROJECT No: 6040587 CHECKED BY: RJS CAD No: 6040587ss0 REV. No: 8

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



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



PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved.

John J. Mather
Title: *Chairman*
Date: *8/11/05*

TOWN OF BETHLEHEM APPROVAL AREA

- UTILITY NOTES:**
- 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 WITH 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.
 - 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 PONDING. ANY DISCREPANCIES THAT MAY AFFECT 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.
 - 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. INTERFACE POINTS (CROSSINGS) WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OR CONSTRUCTION.
 - 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.
 - REFER TO SITE PLAN FOR ADDITIONAL NOTES.
 - IN CASE OF DISCREPANCIES BETWEEN PLANS, THE SITE PLAN WILL SUPERCEDE IN ALL CASES. NOTIFY ENGINEER OF RECORD OF ANY CONFLICT.
 - 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.
 - SUBBASE MATERIAL FOR SIDEWALKS, CURBS, 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).
 - REFER TO ARCHITECTURAL DRAWINGS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS. SERVICE SIZE TO BE DETERMINED BY ARCHITECT.
 - ALL ROOF DRAINS SHALL BE 6" HOPE.
 - ALL SANITARY SEWER CONNECTIONS SHALL BE EQUIPPED WITH LEAK PROOF GASKETS.
 - WATER SUPPLY FOR THE PROJECT WILL BE PROVIDED BY THE TOWN OF BETHLEHEM WATER DEPARTMENT.
 - A TEST PIT IS REQUIRED TO LOCATE THE EXISTING WATER MAIN AND SANITARY SEWER FORCE MAIN ALONG ROUTE 9W BEFORE CONSTRUCTION OF THE STORM DRAINAGE SYSTEM BEGINS.
 - CONTRACTOR TO COORDINATE WITH THE TOWN WATER DEPARTMENT FOR UTILITY PERMITS AND WATER METER SPECIFICATIONS. CONTACT JOANN STANNARD AT 439-9032, PRIOR TO CONSTRUCTION.

GENERAL UTILITY LEGEND

○ CO	PROPOSED CLEANOUT
○ RD	PROPOSED ROOF DRAIN
---	EXISTING SANITARY SEWER LINE (SIZE & TYPE AS NOTED)
---	PROPOSED SANITARY SEWER LINE (SIZE & TYPE AS NOTED)
---	PROPOSED GAS LINE
---	APPROX. LOC. U.S. GAS LINE (NOT FIELD VERIFIED)
---	PROPOSED 4" DIP WATER LINE (SIZE & TYPE AS NOTED)
---	APPROX. LOC. U.S. WATER LINE (NOT FIELD VERIFIED)
E/T	PROPOSED U/G ELECTRIC & TELEPHONE LINE

ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH TOWN STANDARD DETAILS AND SPECIFICATIONS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN THESE DOCUMENTS FOR USE ON THE JOB.

RECEIVED
AUG 28 2016
P.O. BOX 1200
TOWN OF BETHLEHEM, NY

Cumberland Farms
777 Dedman 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

776 MOUNTAIN BLVD. WATCHUNG, NEW JERSEY 07060 (908) 688-8300

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

TITLE: **UTILITY PLAN**

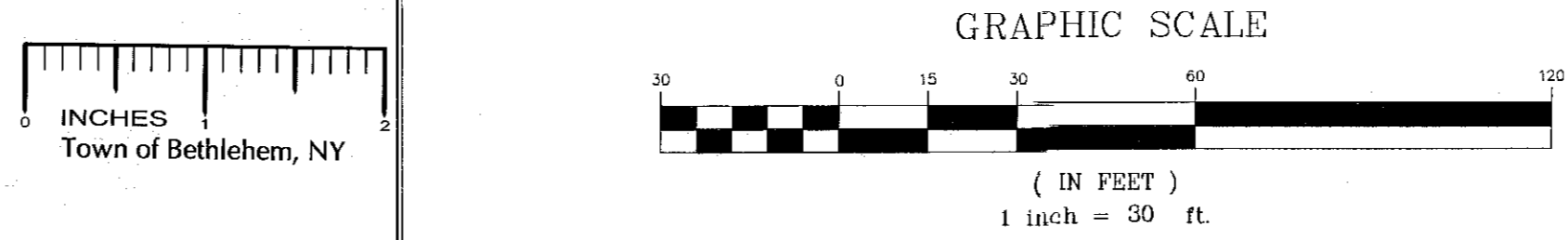
SCALE: (H) 1"=30' (V) NONE DATE: 4/11/05 SHEET No: 6 OF 16

DRAWN BY: SMV PROJECT No: 040582
CHECKED BY: RJS CAD No: 040587ss0

CONSTRUCTION CHECK DATE

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 27110
PENNSYLVANIA LICENSE No. 37184
NEW YORK LICENSE No. 63409
MASSACHUSETTS LICENSE No. 37025

L.H. BOHLER
STATE OF NEW YORK
Professional Engineer
No. 11111



CONSTRUCTION SEQUENCE KEY

- EXCAVATION WORK SHALL NOT BE CARRIED OUT DURING PERIODS OF INCLEMENT WEATHER.
- CONSTRUCTION AND MAINTENANCE OF EROSION AND SILTATION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL.
- INSTALL INLET FILTER FABRIC PROTECTION AROUND EXISTING DRAINAGE STRUCTURES
- INSTALL SILTATION FENCE ALONG PROPERTY LINE AS SHOWN.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES AS SHOWN.
- CONSTRUCT TEMPORARY SEDIMENT TRAPS AS SHOWN HEREIN. GRADING IS TO TAKE PLACE IN SUCH A WAY THAT STORMWATER DISCHARGES FROM EXPOSED AREAS ARE DIRECTED TO THE SEDIMENT TRAPS. STOCK PILE AREAS ARE SHOWN ON THIS PLAN IN LOCATIONS THAT WILL ALLOW STORM WATER TO EASILY BE DIRECTED TO THE SEDIMENT TRAPS FROM THE PILES. THIS PLAN IS A GUIDE TO INSURE STORM WATER FROM EXPOSED AREAS IS DIRECTED TO THE TRAPS. DURING THE EXCAVATION PROCESS, THE CONTRACTOR MAY HAVE TO IMPLEMENT ADDITIONAL MEASURES SUCH AS TEMPORARY BEAMS, ADDITIONAL SILT FENCE, SWALES, CHECK DAMS ETC. TO INSURE OFF-SITE SEDIMENT ACCUMULATION DOES NOT OCCUR. THE TEMPORARY SEDIMENT TRAPS ABANDONED WHEN THE DRAINAGE SYSTEM INSTALLATION IS COMPLETE AND CONTRIBUTING DRAINAGE AREAS ARE STABILIZED.
- INLET PROTECTION SHALL BE INSTALLED ON PROPOSED DRAINAGE STRUCTURES AS THEY ARE COMPLETED.
- ALL EROSION CONTROL DEVICES SHALL BE INSPECTED AFTER EACH RAIN FALL OR WEEKLY IN THE EVENT RAIN DOES NOT OCCUR. OPERATOR SHALL INSPECT FOR SIGNS OF FAILURE, REPAIR OR REPLACEMENT OF ANY DEFICIENT DEVICES SHALL BE THE OPERATOR'S HIGHEST PRIORITY. EACH DAY THE OPERATOR SHALL:
 - INSPECT SECURITY OF SILTATION FENCE. CONTRACTOR SHALL RESECURE, REPLACE OR REPAIR ANY UNSTABLE, TORN OR BROKEN SECTIONS.
 - INSPECT INLET PROTECTION AND FABRIC TO INSURE ALL SEDIMENT IS EFFECTIVELY TRAPPED.
 - REMOVE BUILDUP OF SEDIMENT AND CHECK DEVICES FOR DEFICIENCIES OR INSTABILITY.
 - INSPECT SWALES AND BEAMS TO INSURE STORM WATER IS FOLLOWING THE INTENDED PATH WITHOUT CREATING UNNECESSARY EROSION OR BANK FAILURE. REPAIR, STABILIZE OR REGRADE UNSTABLE SLOPES.
 - INSPECT TEMPORARY STONE OUTLET SEDIMENT TRAPS. REPAIR, REPLACE AND/OR REGRADE ANY SLOPES, FABRIC OR STONE OUTLETS TO THEIR ORIGINAL INTENDED DESIGN PARAMETERS AS NEEDED. SEDIMENT SHALL BE REMOVED FROM TRAPS AND RESTORED TO THE ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH.

- DISTURBED AREAS INTENDED AS GREEN SPACE SHALL BE FINE GRADED, TOPSOILED, SEEDED AND MULCHED AT THE EARLIEST POSSIBLE STAGE IN THE CONSTRUCTION SEQUENCE.
- WHEN THE UTILITY INSTALLATION IS COMPLETE, PROPOSED PAVEMENT AREAS SHALL BE STABILIZED BY COMPACTION AND GRAVEL SUBBASE SHALL BE PLACED. ALL EROSION CONTROL BARRIERS, SILT FENCE, SWALES, BEAMS, PIPES, STRUCTURES AND OUTLETS SHALL BE INSPECTED REGULARLY THROUGHOUT THE CONSTRUCTION PROCESS TO INSURE THEY ARE EFFECTIVELY TRAPPING SEDIMENT. ALL OF THE ABOVE SHALL BE CLEANED, REPAIRED OR REPLACED AS NEEDED.
- EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION PROCESS IS COMPLETE AND DISTURBED AREAS ARE STABILIZED.
- EROSION CONTROL MEASURES SHOWN HEREON ARE MEASURES TO BE INSTALLED AT A MINIMUM. AS THE SITE IS MORE FINELY GRADED AND DRAINAGE STRUCTURES ARE INSTALLED, IT MAY BECOME DIFFICULT TO SHEET FLOW STORMWATER FROM DISTURBED AREAS TO THE TEMPORARY SEDIMENT TRAP. THE CONTRACTOR SHALL TAKE MEASURES ABOVE AND BEYOND WHAT IS SHOWN HEREON TO INSURE STORM WATER FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT TRAP. DEPENDING ON THE GRADING PROCESS AND THE CONSTRUCTION PHASING THESE MEASURES MAY INCLUDE BUT ARE NOT LIMITED TO TEMPORARY BEAMS AND SWALES. TEMPORARY OUTLET PIPES FROM STRUCTURES TO THE SEDIMENT TRAP OR A COMBINATION OF TEMPORARY PIPES, BEAMS AND SWALES. CONTRIBUTING AREAS SHALL BE STABILIZED AND THE DRAINAGE PIPES AND STRUCTURES SHALL BE CLEANED AND SEDIMENT FREE PRIOR TO ESTABLISHING FINISHED GRADING, PLANTING, TOPSOILING AND SEEDING.

EROSION & SEDIMENT CONTROL NOTES

- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
- THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL.
- SEDIMENT BARRIERS (SILT FENCE, HAY BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE CONTRIBUTING DRAINAGE AREA ABOVE THEM. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15%. AFTER OCTOBER 1ST, THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
- INSTALL SEDIMENT BARRIERS AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE DETAILS FOR PROPER INSTALLATION. SEDIMENT BARRIERS WILL REMAIN IN PLACE PER NOTE #5.
- ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OF SNOW MELT OR WHEN NO LONGER SERVICEABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS SLOPE ARE STABILIZED BY TURF.
- NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2 TO 1).
- IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED AS DAYS PRIOR TO THE FIRST KILLING FROST USE TEMPORARY MULCH (DOORMAT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
- TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
- DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS.
- REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:
 - FOUR INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
 - APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF USING 10-20-20 OR EQUIVALENT. APPLY GROUND LIMESTONE (EQUIVALENT TO 50% CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF 3 TONS PER ACRE (138 LB PER 1,000 SF).
 - FOLLOWING SEED BED PREPARATION, DITCHES AND BACK SLOPES WILL BE SEED TO A MIXTURE OF 47% CREEPING RED FESCUE, 5% REDTOP, AND 48% TALL FESCUE. THE LAWN AREAS WILL BE SEED TO A PREMIUM TURF MIXTURE OF 44% KENTUCKY BLUEGRASS, 44% CREEPING RED FESCUE, AND 12% PERENNIAL RYEGRASS. SEEDING RATE IS 1.03 LBS PER 1,000 SF LAWN QUALITY SOO MAY BE SUBSTITUTED FOR SEED.
 - HAY MULCH AT THE RATE OF 70-90 LBS PER 1,000 SF. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON HAY MULCH FOR WIND CONTROL.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED.
- WETLANDS WILL BE PROTECTED W/HAYBALES AND/OR SILT FENCE INSTALLED AT THE EDGE OF THE WETLAND OR THE BOUNDARY OF WETLAND DISTURBANCE.
- ALL PAVED AREAS ON THE SITE ARE TO BE SWEEP SEMI-ANNUALLY. ADDITIONALLY, BOTTOMS OF ALL CATCH BASINS AND MANHOLES ARE TO BE CLEANED SEMI-ANNUALLY.

MULCH AND MULCH ANCHORING		
MULCH LOCATION	MULCH	RATE (1000 SF)
PROTECT AREA	STRAW OR HAY	100 POUNDS
WINDY AREA	SHREDDED OR CHOPPED	185-275 POUNDS
	CORNSTALKS	
	STRAW OR HAY (ANCHORED)*	100 POUNDS
MODERATE TO HIGH VELOCITY AREAS OR STEEP SLOPES	JUTE MESH OR EXCELSIOR MAT	AS REQUIRED
GREATER THAN 3:1	GREATER THAN 3:1	AS REQUIRED

* A HYDRO-APPLICATION OF WOOD, OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON HAY MULCH FOR WIND CONTROL.

MULCH ANCHORING

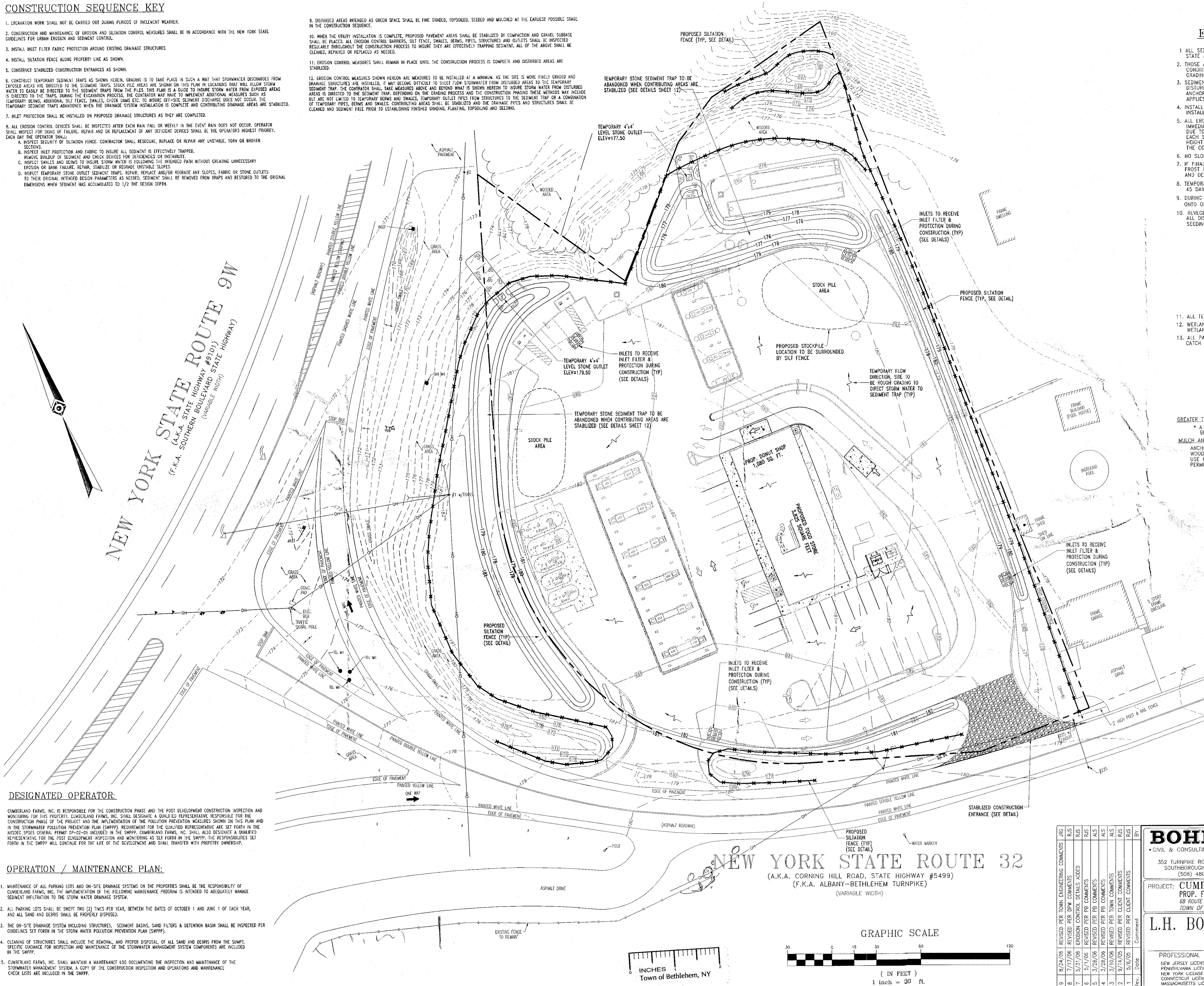
ANCHOR MULCH WITH PEG AND TWINE (1 SQ. YD/BLOCK); MULCH NETTING(S PER MANUFACTURER); WOOD CELLULOSE FIBER (750 LBS/ACRE); CHEMICAL TACK (AS PER MANUFACTURERS SPECIFICATIONS); USE OF A SERRATED STRAIGHT DISK. WETTING FOR SMALL AREAS AND ROAD DITCHES MAY BE PERMITTED.

DESIGNATED OPERATOR:

CUMBERLAND FARMS, INC. IS RESPONSIBLE FOR THE CONSTRUCTION PHASE AND THE POST DEVELOPMENT CONSTRUCTION INSPECTION AND MONITORING FOR THIS PROPERTY. CUMBERLAND FARMS, INC. SHALL DESIGNATE A QUALIFIED REPRESENTATIVE RESPONSIBLE FOR THE CONSTRUCTION PHASE OF THE PROJECT AND THE IMPLEMENTATION OF THE POLLUTION PREVENTION MEASURES SHOWN ON THIS PLAN AND IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). REQUIREMENT FOR THE QUALIFIED REPRESENTATIVE ARE SET FORTH IN THE INTERIOR SITES GENERAL PERMIT 09-02-01 INCLUDED IN THE SWPPP. CUMBERLAND FARMS, INC. SHALL ALSO DESIGNATE A QUALIFIED REPRESENTATIVE FOR THE POST DEVELOPMENT INSPECTION AND MONITORING AS SET FORTH IN THE SWPPP. THE RESPONSIBILITIES SET FORTH IN THE SWPPP WILL CONTINUE FOR THE LIFE OF THE DEVELOPMENT AND SHALL TRANSFER WITH PROPERTY OWNERSHIP.

OPERATION / MAINTENANCE PLAN:

- MAINTENANCE OF ALL PARKING LOTS AND ON-SITE DRAINAGE SYSTEMS ON THE PROPERTIES SHALL BE THE RESPONSIBILITY OF CUMBERLAND FARMS, INC. THE IMPLEMENTATION OF THE FOLLOWING MAINTENANCE PROGRAM IS INTENDED TO ADEQUATELY MANAGE SEDIMENT INFILTRATION TO THE STORM WATER DRAINAGE SYSTEM.
- ALL PARKING LOTS SHALL BE SWEEP TWO (2) TIMES PER YEAR, BETWEEN THE DATES OF OCTOBER 1 AND JUNE 1 OF EACH YEAR, AND ALL SAND AND DEBRIS SHALL BE PROPERLY DISPOSED.
- THE ON-SITE DRAINAGE SYSTEM INCLUDING STRUCTURES, SEDIMENT BASINS, SAND FILTERS & DETENTION BASIN SHALL BE INSPECTED PER GUIDELINES SET FORTH IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- CLEANING OF STRUCTURES SHALL INCLUDE THE REMOVAL, AND PROPER DISPOSAL, OF ALL SAND AND DEBRIS FROM THE SUMPS. SPECIFIC GUIDANCE FOR INSPECTION AND MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM COMPONENTS ARE INCLUDED IN THE SWPPP.
- CUMBERLAND FARMS, INC. SHALL MAINTAIN A MAINTENANCE LOG DOCUMENTING THE INSPECTION AND MAINTENANCE OF THE STORMWATER MANAGEMENT SYSTEM. A COPY OF THE CONSTRUCTION INSPECTION AND OPERATIONS AND MAINTENANCE CHECK LISTS ARE INCLUDED IN THE SWPPP.



PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved.

Gabe J. Swadlow
TUG: *Chambers*
SDR 121 6-6-06

Date 8/29/06

TOWN OF BETHLEHEM APPROVAL AREA RECEIVED
AUG 28 2006
P.O. BOX 100
TOWN OF BETHLEHEM, NY

Cumberland Farms
777 Cedar 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 JERSEY 12205 (518) 438-9900
778 MOUNTAIN BLVD. WATCHUNG, NEW JERSEY 07060 (908) 668-8300

PROJECT: CUMBERLAND FARMS, INC. PROP. FOOD STORE & GAS STATION 68 ROUTE 9W - NYS RTE SW & NYS RTE 32 TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK

TITLE: EROSION CONTROL PLAN

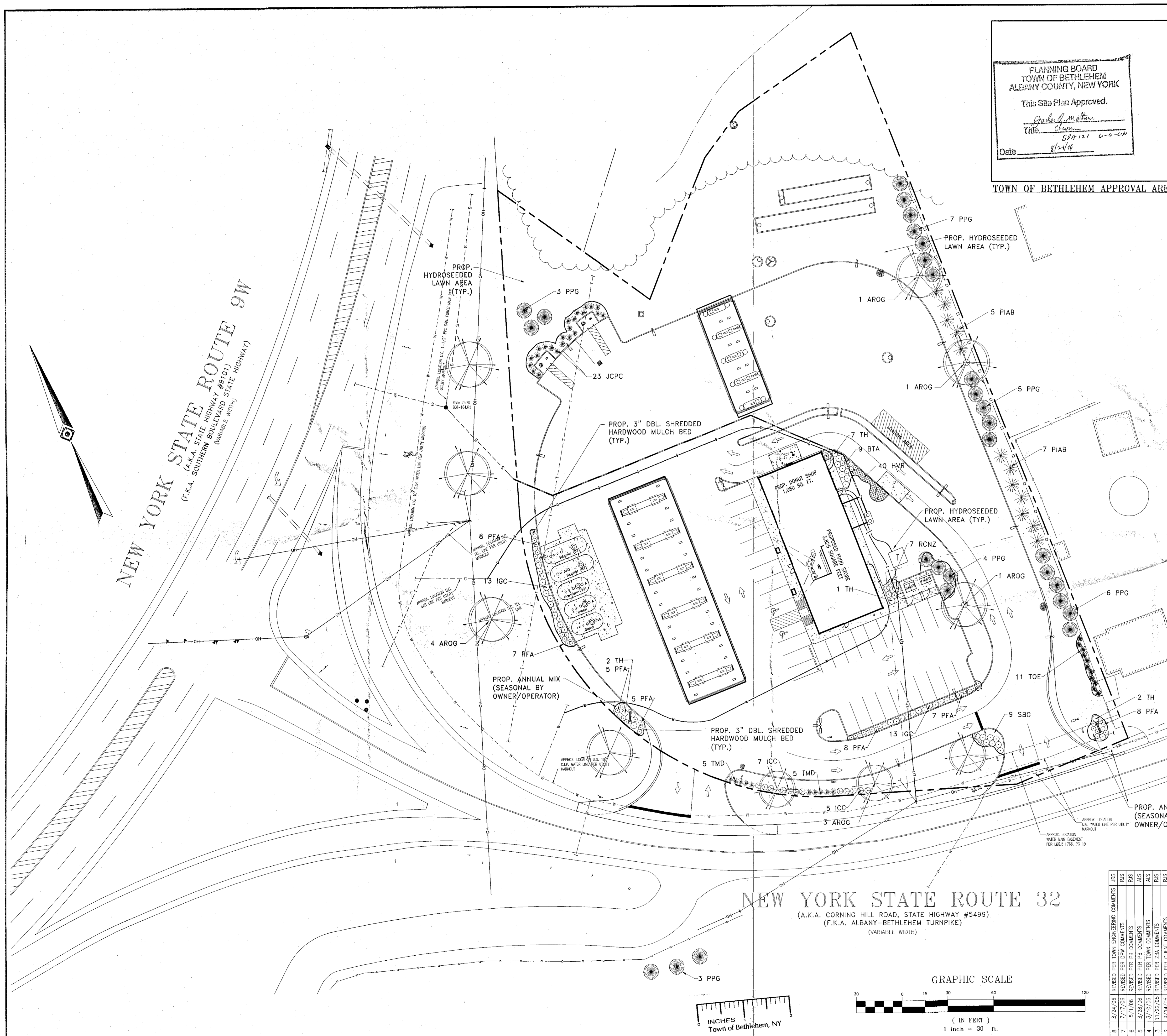
L.H. BOHLER
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 27410
PENNSYLVANIA LICENSE No. 37184
NEW YORK LICENSE No. 63409
CONNECTICUT LICENSE No. 17518
MASSACHUSETTS LICENSE No. 27025

SCALE: (H) 1"=30'
(V) NONE
DATE: 4/11/05
DRAWN BY: SMV
PROJECT No: 6040587
CHECKED BY: RJS
CAD ID #: 6040587sso

REVISIONS
Rev. Date Comment
1 5/2/05 REVISED PER CLIENT COMMENTS
2 5/10/05 REVISED PER CLIENT COMMENTS
3 5/10/05 REVISED PER CLIENT COMMENTS
4 5/25/05 REVISED PER CLIENT COMMENTS
5 5/25/05 REVISED PER CLIENT COMMENTS
6 5/25/05 REVISED PER CLIENT COMMENTS
7 5/25/05 REVISED PER CLIENT COMMENTS
8 5/25/05 REVISED PER CLIENT COMMENTS
9 5/25/05 REVISED PER CLIENT COMMENTS

CONSTRUCTION CHECK DATE

9
7 OF 16
REV. No.
9



LANDSCAPE SCHEDULE				
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE
SHADE TREE	10	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2-3" CAL.
EVERGREEN TREE	12	PICEA ABIES	NORWAY SPRUCE	7-8'
PPG	28	PICEA PLINENS GLAUC	COLORADO BLUE SPRUCE	7-8'
EVERGREEN SHRUB	26	ILEX GLABRA COMPACTA	DWARF HICKBERRY HOLLY	24-30"
JCP	23	JUNIPERUS CHINENSIS 'PILZERA COMPACTA'	COMPACT PILZER JUNIPER	18-24" SHRD.
RONZ	7	RHOCHODENDRON CHAMPAENSE 'NOVA ZEMBLA'	NOVA ZEMBLA RHOCHODENDRON	30-36"
TH	12	TAXUS MEDIA 'HICKSI'	HICKS YEW	30-36"
ICE	11	THILIA OCCIDENTALIS 'SMEGALD'	EMERALD GREEN ARBORVITAE	5-6'
ICC	12	ILEX CRENATA 'COMPACTA'	COMPACT JAPANESE HOLLY	24-30"
TMD	10	TAXUS X MEDIA 'DENSIFORMIS'	DENSIFORMIS YEW	24-30"
DECIDUOUS SHRUB	49	BEBBERIS THUNBERGII ATROPURPUREA	RED JAPANESE BARBERRY	30-36"
BT	9	POTENTIALIA FRUTICOSA 'ARBOREUS'	ARBOREUS CORYDOLOID	18-24"
PFA	9	SPIREA X BUNALDA 'GOLDFLAME'	GOLD FLAME SPIREA	15-18"
SBG	67			
PERENNIAL	40	HEMEROCALLIS VARIETIES	PEACH-RED-YELLOW DAYLILY	1 GAL.
CONTAINER				

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL ULTATE.

- PLANTING NOTES:**
- PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED, INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCLOSURES, AND CLEAN-UP.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
 - PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY HAVE NORMAL GROWTH HABITS, WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
 - CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL.
 - ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISION SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE YEAR FROM THE DATE OF ACCEPTANCE FOR THESE AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
 - INsofar AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT BE PLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD WILL BE REJECTED.
 - QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH AHS (REV. 2001) "AMERICAN STANDARDS FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
 - ALL PLANTS SHALL BE PLANTED IN AMENDED TOP SOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROCEEDS. PLANTING MAY TO BE AS SHOWN ON PLANTING DETAILS. PLANTING AREAS TO INCORPORATE FERTILIZER AND SOIL CONDITIONERS AS STATED IN PLANTING SPECIFICATIONS.
 - PLANTS SHALL NOT BE PLANTED WITH MORE OR FEWER AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.
 - PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE FAVORABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICES. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MOIST OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPREAD WITH MULCH OR LOCAL AS PER MANUFACTURER'S INSTRUCTIONS.
 - NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
 - SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT A NORMAL OR NATURAL RELATIONSHIP TO THE GROUND OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PIT.
 - ALL INJURED ROOTS SHALL BE PRUNED TO MAKE CLEAN ENDS BEFORE PLANTING UTILIZING CLEAN SHARP TOOLS. IT IS ADVISABLE TO PRUNE APPROXIMATELY 1/3 OF THE GROWTH OF LARGE TREES (7" CALIPER AND OVER) BY THE REMOVAL OF SUPERFLUOUS BRANCHES. THOSE WHICH CROSS THOSE WHICH RUN PARALLEL, ETC. MAIN LEADER OF TREES WILL NOT BE CUT BACK LONG SIDE BRANCHES, HOWEVER, MUST BE SHORTENED.
 - EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICES TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
 - ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES AS A RESULT OF CONSTRUCTION OPERATIONS. ALL EXISTING TREES SHALL BE FERTILIZED WITH A REGULAR GARDEN FERTILIZER (5-10-5) UPON COMPLETION OF WORK. THE ENTIRE LAWN OF ANY DAMAGED GARDEN SHALL BE CUT OFF AT THE TRUNK. CONTRACTOR TO ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH SHARP TOOLS AND FILLED AROUND WITH TOPSOIL. COMPLETELY SHAVEN THESE AREAS WITH WATER. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR IS TO PROTECT ALL EXISTING TREES TO REMAIN BY ERECTING TREE PROTECTION FENCE AT THE JOB LINE. THIS WILL ENSURE NO COMPACTION OF THE ROOT MASS.
 - ALL PLANTING BEDS SHALL BE MULCHED WITH 3" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH.
 - NEW PLANTING AREAS AND SOIL SHALL BE ADEQUATELY IRRIGATED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND LAWN.
 - PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE AS SHOWN ON THE APPROVED LANDSCAPE PLAN MUST BE INSTALLED, INSPECTED AND APPROVED BY THE TOWN ENGINEER OR LANDSCAPE ARCHITECT. THE TOWN ENGINEER OR LANDSCAPE ARCHITECT SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS: THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER AS REQUIRED BY OR ASSOCIATED WITH A SUBDIVISION OR SITE PLAN APPROVED BY THE PLANNING BOARD OR ZONING BOARD OF ADJUSTMENT SHALL BE INSTALLED DURING THE FOLLOWING PLANTING SEASONS:
- | PLANTS | DATE |
|---------------|------|
| 1/15 TO 12/15 | |
| 1/15 TO 6/15 | |
| 9/15 TO 12/1 | |
- FURTHERMORE, THE FOLLOWING TREE VARIETIES SHALL NOT BE PLANTED DURING THE FALL PLANTING SEASON DUE TO THE INCREASED ASSOCIATED WITH PLANTING THESE TREES IN THIS SEASON:
- | ACER RUBRUM | POPULUS VARIETIES |
|------------------------|--------------------|
| BETULA VARIETIES | PRUNUS VARIETIES |
| CORYLUS VARIETIES | QUERCUS VARIETIES |
| GRATEGUS VARIETIES | SALIX VARIETIES |
| HEMLOCK VARIETIES | SILVA VARIETIES |
| LICHTENSTADT VARIETIES | SYCAMORE VARIETIES |
| LYNCH VARIETIES | ZELKOVIA VARIETIES |
- ANY PLANTINGS INSTALLED IN CONFLICT WITH THIS REQUIREMENT MUST RECEIVE THE WRITTEN APPROVAL OF THE TOWN ENGINEER OR LANDSCAPE ARCHITECT, PRIOR TO PLANTING. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF THE PLANTING QUESTION. THIS REQUIREMENT DOES NOT APPLY TO BEDDING OR SOONER OR PLANTINGS SPECIFICALLY FOR SOIL STABILIZATION PURPOSES. THE PLANTING ASSOCIATED WITH AN EROSION CONTROL MEASURE SHALL BE INSTALLED OUTSIDE THESE PERIODS SHALL BE PROVIDED DURING THE PERIOD OF NEXT APPROPRIATE SEASON.
- ALL DISTURBED AREAS TO BE TREATED WITH 4" TOP SOIL & SEEDS IN ACCORDANCE WITH PERMANENT STABILIZATION METHODS INDICATED WITHIN THE SOIL EROSION AND SEDIMENT CONTROL NOTES.

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) 668-8300

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

TITLE: LANDSCAPE PLAN

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

DATE: 4/11/05

SHEET No: 8 OF 16

CONSTRUCTION CHECK DATE

L.H. BOHLER
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 27410
PENNSYLVANIA LICENSE NO. 37184
NEW YORK LICENSE NO. 63409
CONNECTICUT LICENSE NO. 17618
MASSACHUSETTS LICENSE NO. 37023

W. J. NEBEL
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE NO. 27410
PENNSYLVANIA LICENSE NO. 37184
NEW YORK LICENSE NO. 63409
CONNECTICUT LICENSE NO. 17618
MASSACHUSETTS LICENSE NO. 37023

RECEIVED
AUG 28 2011
TOWN OF BETHLEHEM

Cumberland Farms
777 Dedham Street Canton, Massachusetts 02021

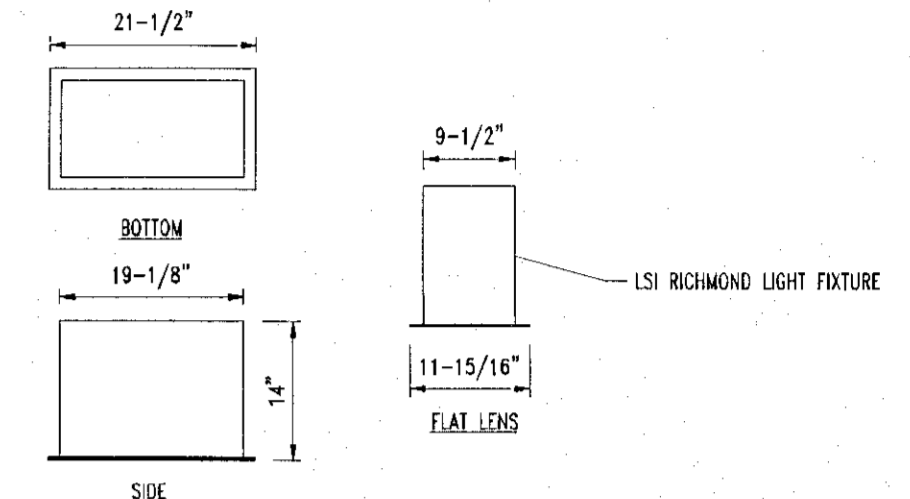
GENERAL LIGHTING NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT WORKSCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS, RELATIVE TO THE SPECIFICATIONS OR APPLICABLE 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 CONFORMANCE WITH LOCAL REGULATIONS AND CODES.
- ALL WORK SHALL CONFORM TO THE TOWN OF BETHLEHEM, ALBANY COUNTY AND N.Y.S.D.O.T. CONSTRUCTION STANDARDS AS APPLICABLE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY "THE NEW YORK ONE CALL SYSTEM" (1-800-982-7662) 72 HOURS PRIOR TO ANY EXCAVATION ON THIS SITE. CONTRACTOR SHALL ALSO NOTIFY LOCAL WATER & SEWER DEPARTMENTS TO MARK OUT THEIR UTILITIES.
- 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. ALL UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- ALL UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE CONDUITS, PRODUCT PIPING, ETC. PRIOR TO COMMENCEMENT OF EXCAVATION OF ANY TYPE.
- ANY REPRODUCTION OF THIS ENGINEERED DOCUMENT WITHOUT THE PRIOR CONSENT OF THE "ENGINEER OF RECORD" IS STRICTLY PROHIBITED.
- IN CASE OF DISCREPANCIES BETWEEN PLANS, THE SITE PLAN WILL SUPERSEDE IN ALL CASES. NOTIFY ENGINEER OF RECORD OF ANY CONFLICTS.

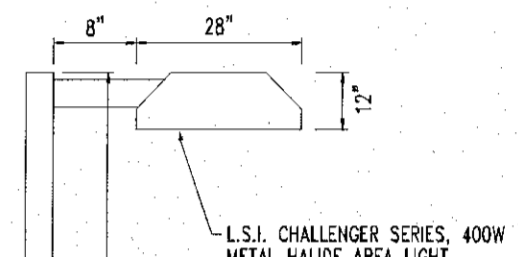
Statistical Area Summary					
Label	Avg	Max	Min	Avg/Min	Max/Min
CANOPY	33.6	51.9	10.8	3.11	4.81
INSIDE CURB	6.14	51.9	0.2	30.7	259.5

RICHMOND
CANOPY LIGHTING
RIC-S-250-SMH-73

CHALLENGER
AREA LIGHTING
CHH-FT-400-MH-F



TYPICAL CANOPY LIGHT DETAIL
NOT TO SCALE



4" SQUARE 14'-0" HT. STEEL TUBE POLE
W/ BASE PLATE & ANCHOR BOLTS.
FINISH TO BE BLACK ANODIZED ALUMINUM

REMOVE PAINT & SECURELY ATTACH COPPER
GROUND LUG WITH 3/16" STOVE BOLT INSIDE POLE
TO POLE BODY OR HANGWIRE REINFORCING
RING. (DO NOT GROUND TO COVER FASTENERS)

6" STRANDED BARE COPPER WIRE,
ATTACH TO LUG AND CLAMP

COPPER GROUND CLAMP ATTACHED TO CONDUIT
WHEN POLES ARE EQUIPPED W/ BASE PLATE
COVER, THE COVERS TO HAVE BLACK
ANODIZED ALUMINUM FINISH

(4) 3/4"x30" LONG ANCHOR BOLTS
FURNISHED BY POLE SUPPLIER

3/4" RIGID CONDUIT
12" MIN. BELOW FINISHED GRADE

LIGHT POLE DETAIL
N.T.S.

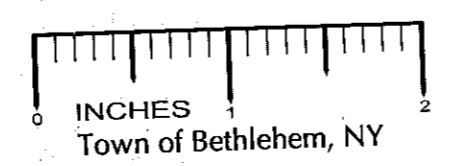
PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved.
Title *Chairman*
Date *8/2/06*

RECEIVED
AUG 28 2006
PLANNING BOARD
TOWN OF BETHLEHEM

Cumberland Farms
777 Dedham Street Canton, Massachusetts 02021

NEW YORK STATE ROUTE 32

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



GRAPHIC SCALE

LUMINAIRE SCHEDULE						
SYMBOL	QUANTITY	LABEL	ARRANGEMENT	LUMENS	LLF	TOT. WATTS
	28	A	SINGLE	26,000	0.720	RIC-S-250-SMH-73 320
	8	B	SINGLE	40,000	0.720	CHH-FT-400-MH-F 458
	3	C	SINGLE	40,000	0.720	CHH-FT-400-MH-F-3HSS 458
	4	D	DOUBLE	40,000	0.720	CHH-FT-400-MH-F 458
	1	E	TRIPLE	40,000	0.720	CHH-FT-400-MH-F 458

1	8/24/06	RECEIVED PER TOWN ENGINEERING COMMENTS AND	PLS
2	7/27/06	RECEIVED PER UPW COMMENTS	ALS
3	7/28/06	RECEIVED PER PE COMMENTS	ALS
4	7/30/06	RECEIVED PER TOWN COMMENTS	PLS
5	8/1/06	RECEIVED PER CLIENT COMMENTS	PLS
6	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
7	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
8	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
9	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
10	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
11	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
12	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
13	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
14	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
15	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
16	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
17	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
18	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
19	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
20	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
21	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
22	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
23	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
24	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
25	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
26	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
27	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
28	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
29	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
30	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
31	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
32	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
33	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
34	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
35	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
36	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
37	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
38	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
39	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
40	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
41	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
42	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
43	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
44	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
45	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
46	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
47	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
48	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
49	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
50	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
51	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
52	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
53	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
54	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
55	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
56	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
57	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
58	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
59	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
60	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
61	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
62	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
63	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
64	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
65	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
66	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
67	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
68	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
69	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
70	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
71	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
72	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
73	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
74	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
75	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
76	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
77	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
78	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
79	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
80	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
81	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
82	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
83	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
84	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
85	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
86	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
87	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
88	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
89	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
90	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
91	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
92	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
93	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
94	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
95	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
96	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
97	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
98	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
99	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS
100	8/2/06	RECEIVED PER CLIENT COMMENTS	PLS

BOHLER ENGINEERING, P.C.

CIVIL & CONSULTING ENGINEERS • PROJECT MANAGERS • ENVIRONMENTAL & SITE PLANNERS • MUNICIPAL ENGINEERS •
352 TURNPIKE ROAD, SUITE 105 5 COMPUTER DRIVE WEST, SUITE 203 776 MOUNTAIN BLVD.
SOUTHBOROUGH, MA 01772 ALBANY, NEW YORK 12205 WATCHUNG, NEW JERSEY 07060
(508) 480-9900 (518) 438-0900 (908) 608-8300

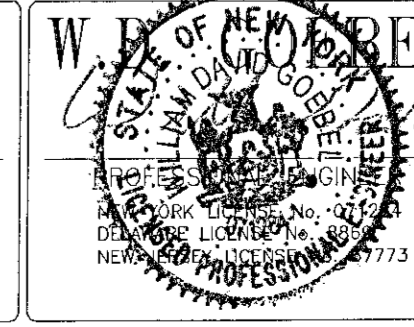
PROJECT: CUMBERLAND FARMS, INC.
PROP. FOOD STORE & GAS STATION
68 ROUTE 9W - NYS RTE 9W & NYS RTE 32
TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK

TITLE: LIGHTING PLAN

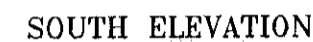
L.H. BOHLER

W.J. BOHLER

PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 27410
PENNSYLVANIA LICENSE No. 37164
NEW YORK LICENSE No. 63409
CONNECTICUT LICENSE No. 17518
MASSACHUSETTS LICENSE No. 37025



SCALE: (H) 1"=30'
(V) NONE
DATE: 4/11/05
SHEET No: 9 OF 16
REV. No: 6
CONSTRUCTION CHECK DATE



APR 10 1992 2 44 PM '92
LIBRARY: 1 x P30 T12 G65

DRIVE THRU SIGN DETAIL



RECEIVED
AUG 28 2006
FBI
TOWSON, MD

Cumberland Farms

BOHLER ENGINEERING, P.C.

352 TURNPIKE ROAD, SUITE 105
SOUTHBOROUGH, MA 01772
(508) 480-9900

PROJECT: CUMBERLAND FARMS, INC. PROP. FOOD STORE & GAS STATION 68 ROUTE 9W - NYS RTE 9W & NYS RTE 32 TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK.	TITLE: CANOPY & SIGNAGE DETAILS
---	------------------------------------

L.H. BOHLER		W.D. BOHLER		SCALE: (H) 1/8" = 1'-0" (V) NONE	DATE: 4/11/05	SHEET No:
-------------	--	-------------	--	-------------------------------------	---------------	-----------

DRAWN BY: <u>SMV</u> CHECKED BY: <u>DJS</u>	PROJECT NO: <u>6040587</u> CAD I.D. #: <u>6040587-000</u>
--	--

PROFESSIONAL ENGINEER

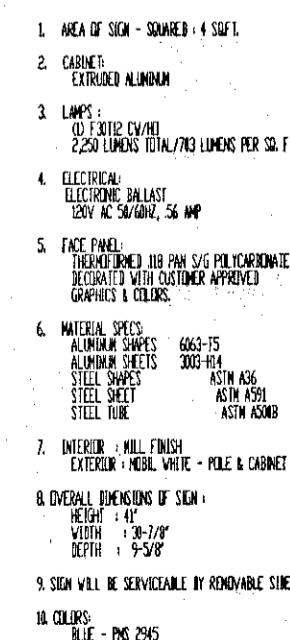
NEW JERSEY LICENSE No. 27410
PENNSYLVANIA LICENSE No. 37184
NEW YORK LICENSE No. 63409

REV. No.

NEW YORK BOARD OF ARCHITECTS
 CONNECTICUT LICENSE No. 17518
 MASSACHUSETTS LICENSE No. 37025

CONSTRUCTION CHECK DATE

4



FREESTANDING SIGN DETAIL (TYP OF 2)



0 INCHES 1
Town of Bethlehem, NY

FREESTANDING SIGN DETAIL (TYP OF 2)

-

Diagram illustrating the cross-section of a concrete curb and gutter assembly, showing the following components and dimensions:

- 6"x6"x W14x41.4 REINFORCED MESH AT MID DEPTH**
- 4" CONC. SIDEWALK (CLASS A CONC. (4000 P.S.I. @ 28 DAYS))**
- 2" CLEAR (TIP)**
- 4" GRAVEL OR CRUSHED STONE SUBBASE**
- 1/2" EXPANSION JOINT**
- AS NOTED ON SITE PLAN**
- PAVEMENT FINISH GRADE**
- 6"** (Curb width)
- 6"** (Curb height)
- TROWEL JOINT**

4'x4" WOOD POSTS

8' O.C.

1"x4" WOOD SLATS (VERT. & HORIZ.)

6'

3' MIN.

BENCH

DRAWING

50' OR GREATER AS REQUIRED

EXISTING GROUND

PLAN VIEW

A cross-sectional diagram showing the transition between an existing ground surface and a stabilized construction entrance. The diagram includes the following elements:

- EXISTING GROUND:** Indicated on both the left and right sides of the diagram.
- TRANSITION AREA:** A central area where the ground is stabilized, containing a layer of **2" STONE WITH FILTER FABRIC BENEATH**.
- MINIMUM WIDTH:** A dimension line above the transition area indicates a width of **6" MIN.**
- ENTRANCE AND PUBLIC R.O.W.:** A label pointing to the stabilized area.
- 50' OR GREATER AS REQUIRED:** A dimension line at the top indicates the required length of the stabilized area.

EDGE OF CURBING

5'-0"

SLOPE UP
1:12 MAX.

5'-0" CONCRETE LANDING

EDGE OF BUILDING

(FIELD VERIFY LENGTH)

(MAINTAIN 1:12 MAX. SLOPE)

[illegible]

6" 6 x 6 x 6 Gd. W.W.M.

TAR SEAL

AS REQUIRED

EXIST. ASPHALT

NEW

EXIST.

SEE PAVEMENT TIE-IN DETAIL THIS SHEET

Diagram of a reserved parking sign with dimensions and material specifications:

- Overall width: 1'-0"
- Overall height: 1'-6"
- Mounting: 1/4" x 1/2" L.G. PIN HD. BOLTS WITH NUTS & LOCK WASHERS
- Text: GREEN LETTERS
- Background: WHITE BACKGROUND
- Graphic: AZURE BLUE (referring to the wheelchair symbol)

NOTE:
ALL LETTER AND SYMBOL SIZES SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF ANSI A117.1

RESERVED PARKING

1'-0"

1'-6"

1/4" x 1/2" LG. PIN HD. BOLTS WITH NUTS & LOCK WASHERS

GREEN LETTERS

WHITE BACKGROUND

AZURE BLUE

NOTE: ALL LETTER AND SYMBOL SIZES SHALL BE WITH THE LATEST EDITION OF ANSI

60" ABOVE GROUND

2'-6"

6" DIA. SCH. 40 PIPE COLUMN WITH CONCRETE

3'-6"

3'-6"

3000 PSI CONCRETE FOOTING

#5 REBAR x 1/2" LONG EACH WAY THRU PIPE

18" DIA.

3/4" DEEP GROOVES (MIN)

4 3/4" O.C. (TYP)

3/4" DEEP GROOVES (MIN)

3" MIN.

1'-7 3/4"

10'-0" MAX. TO OUTSIDE GROOVE

NOTE

Figure 1: Typical cross-section of a curb and gutter. The diagram shows a cross-section of a road edge with a curb and gutter. Key dimensions include a curb height of 6 inches, a gutter width of 1 inch, and a 3/4 inch radius at the curb's base. The gutter is 6 inches wide. The base consists of a 6-inch minimum depth of compacted subgrade, followed by a 6-inch gravel base course, a 4-inch bituminous concrete base course, and a 1-inch bituminous concrete surface course. The topsoil is 6 inches deep. The finish grade is indicated by a dashed line.

REINF. CONC. MAT AT ALL ON-SITE —
PADS w/ 6x6x6 GA. W.W.M. AT MIDSLAB
4,000 PSI @ 28 DAYS

ON-SITE CONCRETE & PAVING DETAIL

3'-0 $\frac{1}{8}$ "

1'-10"

2'-9"

1'-6"

3 1/2" O.D. SCHEDULE 40 STAINLESS STEEL INVERTED "U" BUMPER FILLED W/CONC. SET BUMPER 1'-0" CLEAR OF ISLAND FASCIA

CONCRETE PUMP ISLAND W/STAINLESS STEEL FASCIA

SEAL GAP AROUND STEEL BUMPER W/ SEALANT/BACKER ROD

6" REINFORCED CONCRETE PAVEMENT SURFACE

GROUT TOP 3" OF SLEEVE, RECESS 1" FOR SEALANT. FILL GAPS UNDER AND AROUND STEEL TUBE W/ MASON SAND

5" SCHEDULE 40 PVC SLEEVE

INSTALL CONCRETE FOOTING & PVC SLEEVE PRIOR TO POURING 6" REINFORCED CONCRETE SLAB

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

2-0"

2-0"

RED BACKGROUND

WHITE LETTERS

WHITE LINE

WHITE BACKGROUND

AS-CDS-1

A diagram of a 20'0" wide accessible parking space. The space is divided into three sections: a 9'0" wide area on the left, an 8'0" wide area in the middle, and an 8'0" wide area on the right. The middle 8'0" area contains a white painted accessibility symbol (a person in a wheelchair) on a blue painted background. The right 8'0" area is a 20'0" wide painted (white) handicapped symbol. The entire space is bordered by white painted curbing on the top and bottom. The total width is 20'0".

Labels in the diagram include:

- CURBING
- PAINTED (WHITE) HANDICAPPED SYMBOL (54" Wx60" H)
- 20'0"
- 9'0"
- 8'0"
- 8'0"
- WHITE STRIPING
- WHITE PAINTED ACCESSIBILITY SYMBOL
- BLUE PAINTED BACKGROUND

HANDICAPPED STALL MARKING



24"x24"

Diagram of a steel sign post. The post is labeled "STEEL SIGN POST". The height above ground is 7'. The height below ground is 3'-6". The base width is 12". The sign is octagonal.

STOP SIGN DETAIL
NOT TO SCALE

RECEIVED
AUG 28 2006



777 Dedham Street Canton, Massachusetts 02021

BOHLER ENGINEERING, P.C.

• CIVIL & CONSULTING ENGINEERS • PROJECT MANAGERS • ENVIRONMENTAL & SITE PLANNERS • MUNICIPAL ENGINEERS


352 TURNPIKE ROAD, SUITE 105
SOUTHBROOK, MA 01772
(518) 438-9900

5 COMPUTER DRIVE WEST, SUITE 203
ALBANY, NEW YORK 12205
(518) 438-9900

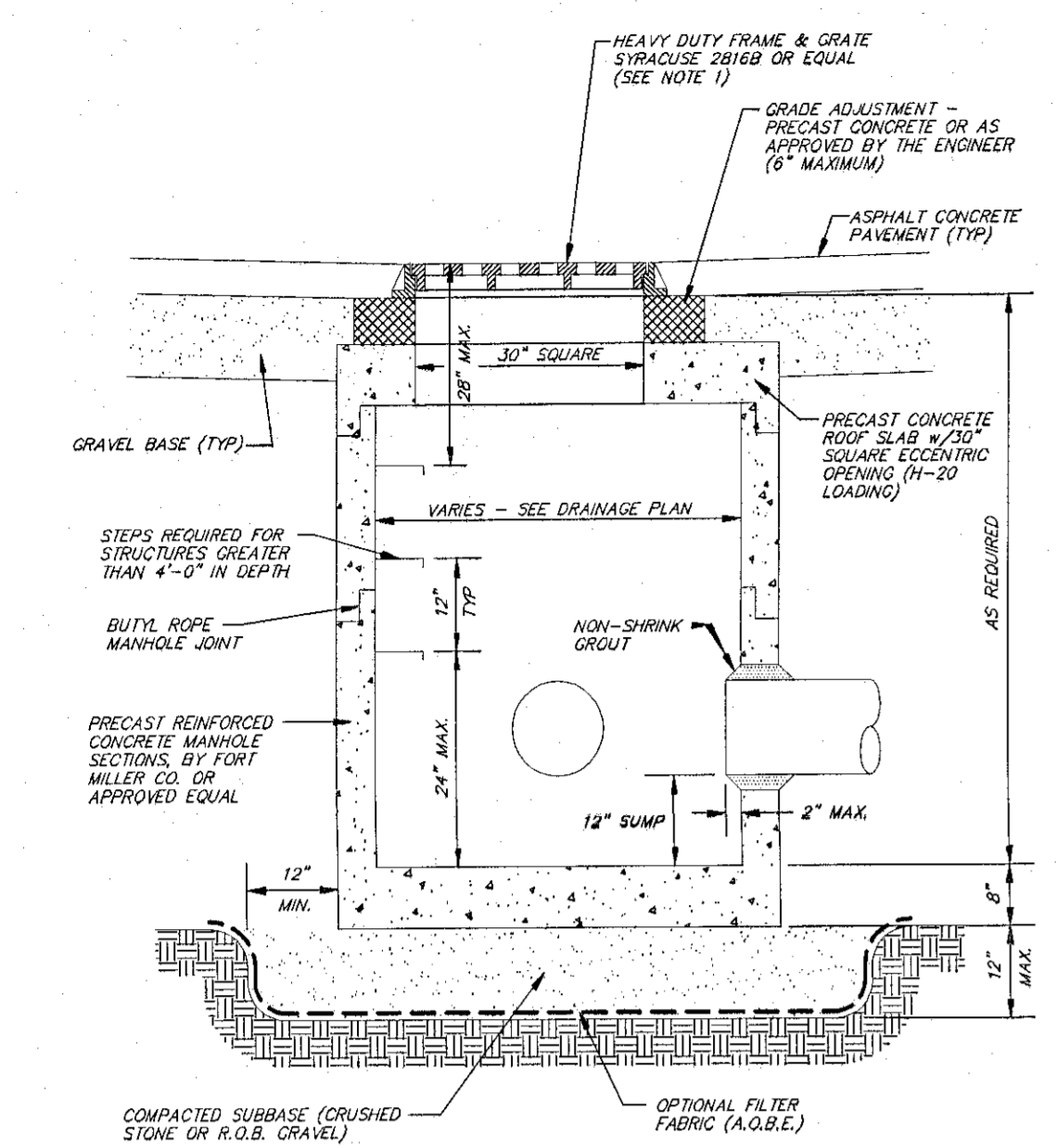
776 MOUNTAIN BLVD.
WATCHUNG, NEW JERSEY 07060
(908) 668-8300

PROJECT: CUMBERLAND FARMS, INC. PROP. FOOD STORE & GAS STATION 68 ROUTE SW - NYS RTE 9W & NYS RTE 32 DOWN THE BETHEMUM ALBANY COUNTY, NEW YORK	TITLE: DETAILS
---	----------------

L.H. BOHLER		W. J. BOHLER		SCALE: (H) NONE (V) NONE	DATE: 4/11/05	SHEET
				DRAWN BY: SMV	PROJECT No: b040587	11

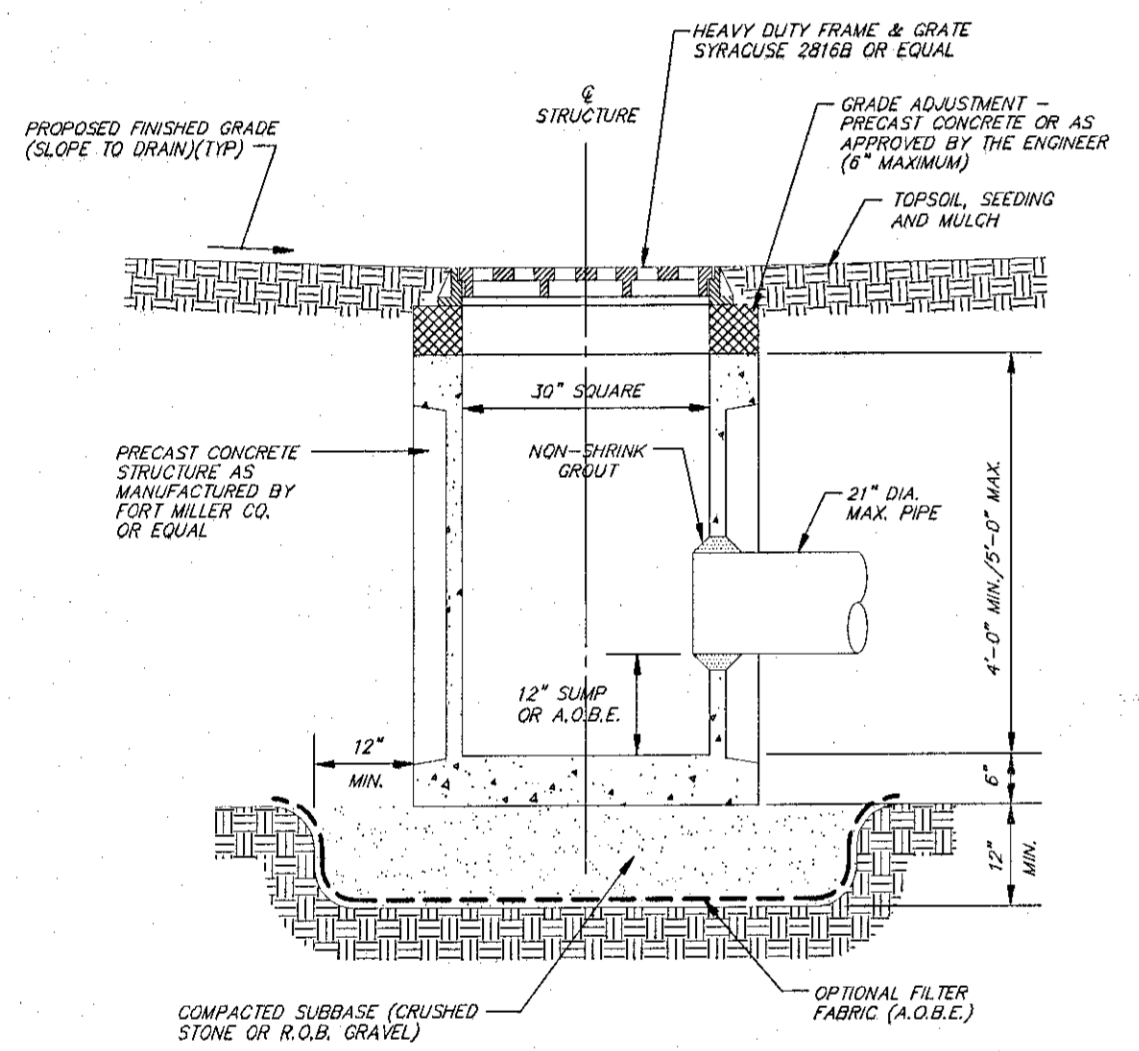
PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 27410 PENNSYLVANIA LICENSE NO. 37184 NEW YORK LICENSE NO. 63409		CHECKED BY: <u>RJS</u>	CAD ID. #: <u>b040587s00</u>	11 OF
		REV. N.	5	

CONNECTICUT LICENSE No. 7518
MASSACHUSETTS LICENSE No. 37025

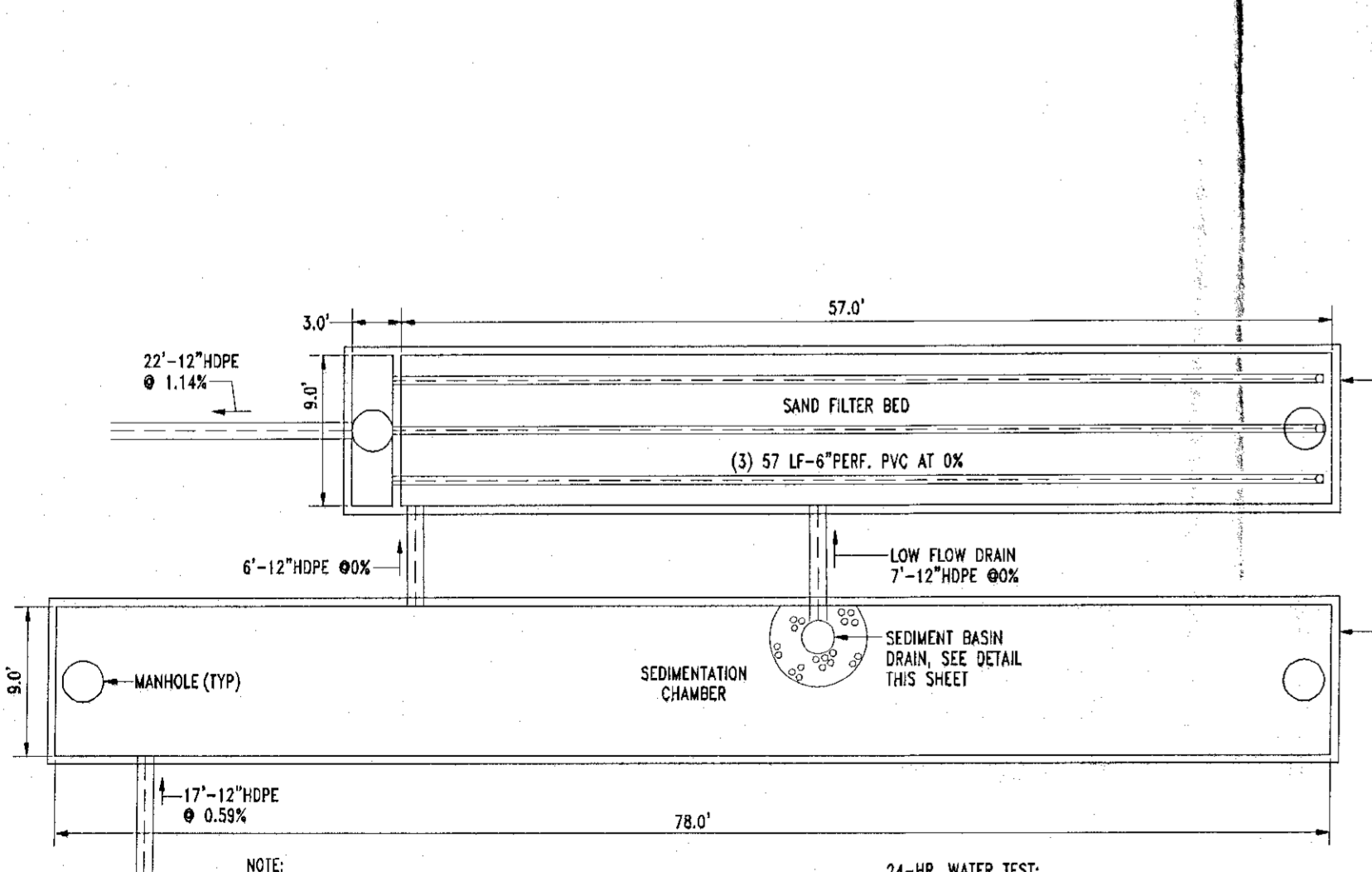


STORM-LINE
CLEANOUT DETAIL

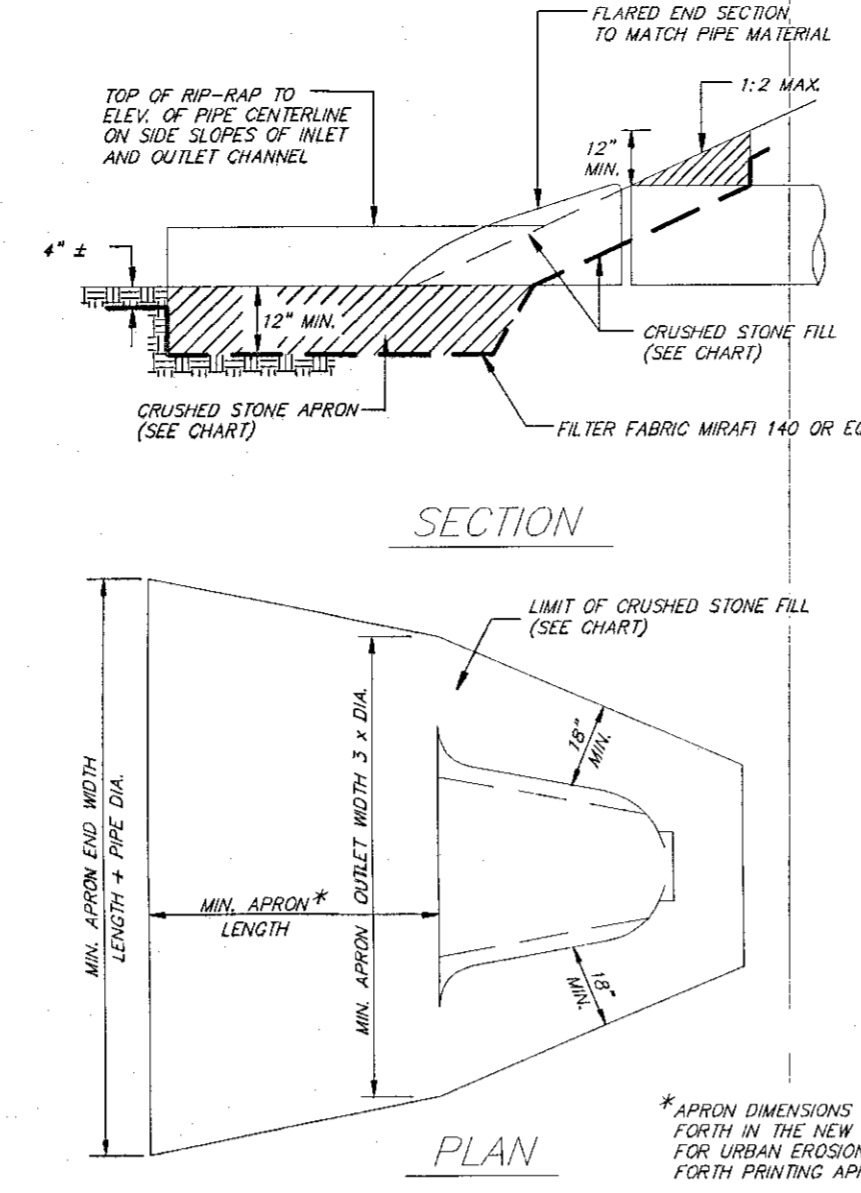
PRECAST CONCRETE STORM MANHOLE



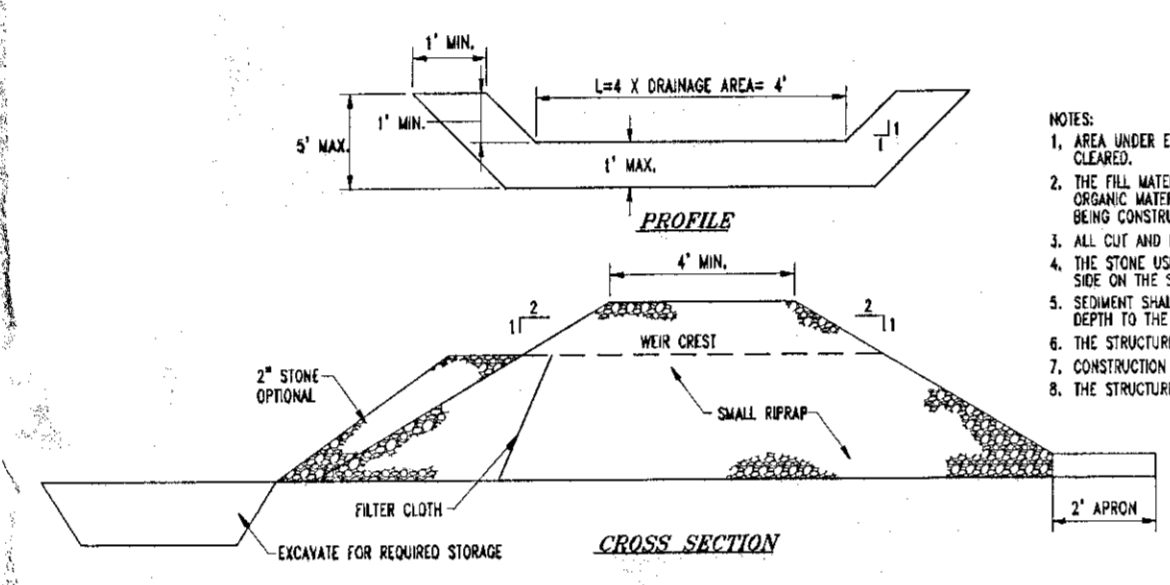
PRECAST CONCRETE CATCH BASIN



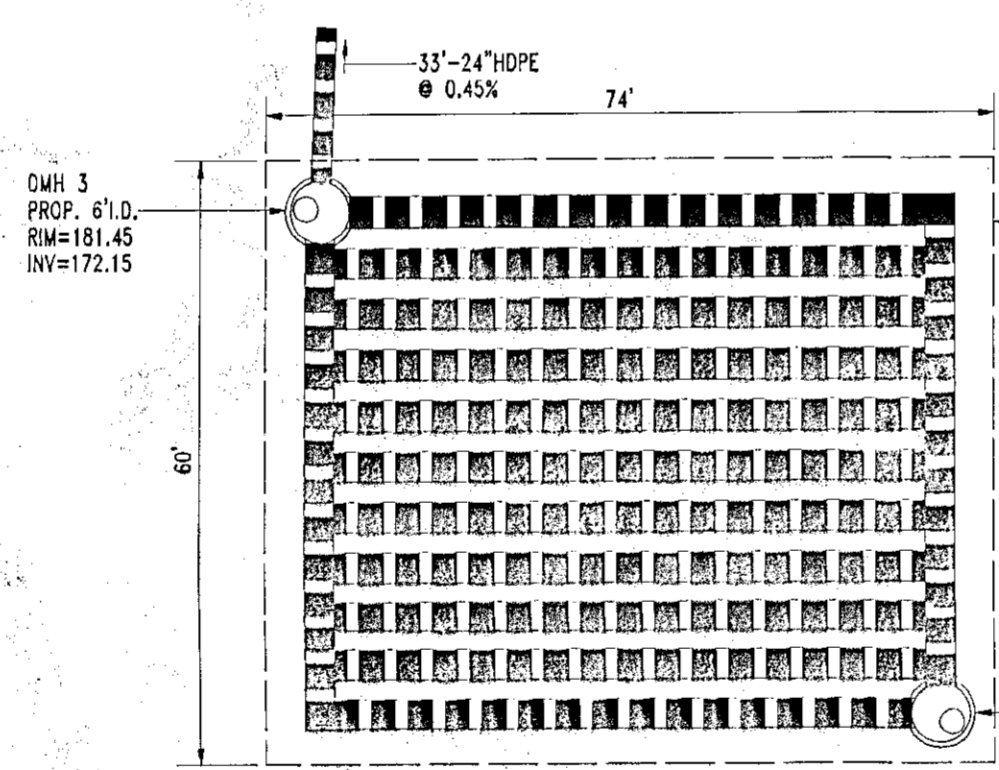
SAND FILTER &
SEDIMENT CHAMBER PLAN



STORM SEWER END SECTION DETAILS



STONE OUTLET
SEDIMENT TRAP DETAIL



DETENTION STRUCTURE PLAN

WATER QUALITY VOLUME (WQV)
CALCULATIONS:

90% RULE:
P=1.0
I=9.36
R_a=0.05+0.009(93)=0.89
A=1.99

MATERIAL SPECIFICATIONS:

SAND: CLEAN AASHTO M-6 OR ASTM C-33 CONCRETE SAND 0.075" TO 0.04" SAND SUBSTITUTIONS SUCH AS DABASE AND GRAYSTONE #10 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATE OR COLLOIDAL SAND SUBSTITUTIONS ARE ACCEPTABLE. "ROCK DUST" CANNOT BE SUBSTITUTED FOR SAND.

UNDERDRAIN GRAVEL: AASHTO M-43 NO.67 0.25" TO 0.75"
GEOTEXTILE FABRIC: ASTM D-751 (PUNCTURE STRENGTH=125LB) ASTM D-1117 (MULLEN BURST STRENGTH=400PSI) ASTM D-1682 (TENSILE STRENGTH=300LB) 0.08" THICK EQUIVALENT OPENING SIZE OF #80 SIEVE, MUST MAINTAIN 125 GPM PER SQ. FT. FLOW RATE.

SCHEDULE 40 PVC 3/8" PERFT. 6" ON CENTER, 4 HOLES PER ROW; MINIMUM OF 3" OF GRAVEL OVER PIPES; NOT NECESSARY UNDERNEATH PIPES.

CONCRETE: (CAST-IN-PLACE) SEE LOCAL DOT STANDARDS AND SPECS. f_{cc}=3500 PSI, NORMAL WEIGHT, AIR-ENTRAINED; REINFORCING TO MEET ASTM A615-60. ON-SITE TESTING OF POURED-IN-PLACE CONCRETE REQUIRED, 28 DAY STRENGTH AND SLUMP TEST, ALL CONCRETE DESIGN (CAST-IN-PLACE OR PRE-CAST) NOT USING PREVIOUSLY APPROVED STATE OR LOCAL STANDARDS REQUIRES DESIGN DRAWINGS SEALED AND APPROVED BY A LICENSED PROFESSIONAL STRUCTURAL ENGINEER.

NON-REBAR STEEL: ASTM A-36, STRUCTURAL STEEL TO BE HOT-DIPPED GALVANIZED ASTM A123

SAND FILTER REQUIREMENTS:

REQUIRED: STORAGE OF 75% OF WQV= 4,836 CF PROVIDED: SEDIMENT BASIN VOLUME AT 4.0' DEPTH= 78'x9'x4'= 2,808 CF TOTAL VOLUME= 5,644 CF
REQUIRED: 25% OF WQV STORAGE IN SEDIMENT BASIN= 1,612 CF PROVIDED: SEDIMENT BASIN AREA AT 2.5' DEPTH= 78'x9'x2.5'= 1,755 CF
REQUIRED: FILTER AREA= (WQV/d_f)/((h_f)+(h₀)+(h₁)) WQV=6,447 CF d_f= FILTER BED DEPTH= 1.5' k= COEFFICIENT OF PERMEABILITY OF FILTER MEDIA (1/d_f) SAND= 3.5 1/d_f h_f= AVERAGE HEIGHT OF WATER ABOVE FILTER BED= 1.25' h₀= DESIGN FILTER BED DRAIN TIME (days) RECOMMENDED MAXIMUM h_f FOR SAND FILTERS= 1.67 days (6,447)/(1.5)/((3.5)/(1.75+1.5)(1.67))= 510 SF PROVIDED: 57'x9' FILTER BED= 513 SF

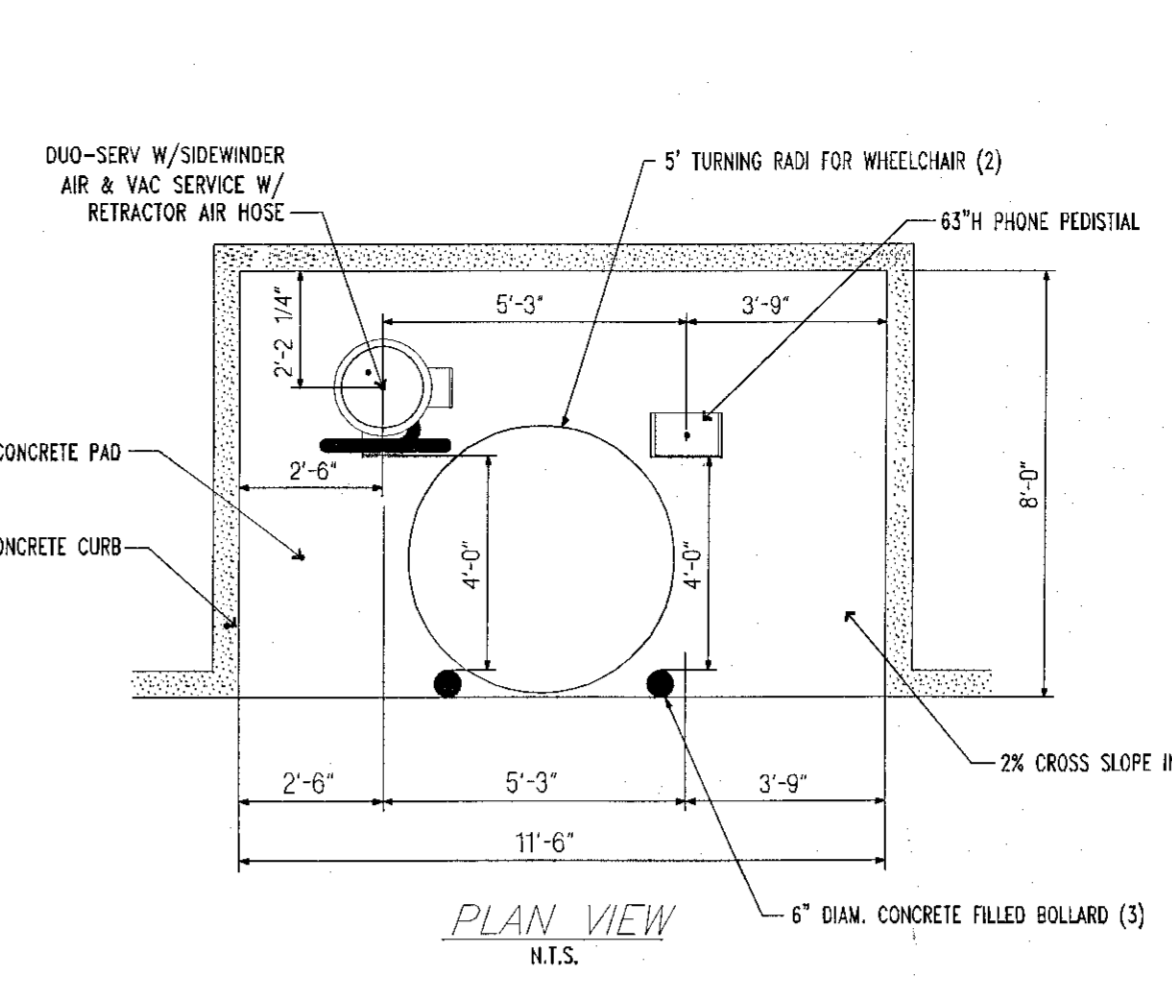
ES-1 OUTLET PROTECTION: 3200 CALCULATIONS: OPEN: CIRCULAR PIPE FLOWING FULL LOW TAILWATER CONDITIONS: 0-14.50% DIA=18" MIN. STONE DIA= 0.3" MIN. APRON LENGTH= 14' MIN. APRON OUTLET WIDTH=1.5(3)=4.5' MIN. APRON END WIDTH=1.2(14)=15.5' MIN. APRON DEPTH=30" PROVIDED: 20x18x30" STONE PAD MEDIUM STONE FILL NYSDOT ITEM # 620.04

ES-364 OUTLET PROTECTION: 3200 CALCULATIONS: OPEN: CIRCULAR PIPE FLOWING FULL LOW TAILWATER CONDITIONS: 0-118% DIA=12" MIN. STONE DIA= 0.3" MIN. APRON LENGTH= 6' MIN. APRON OUTLET WIDTH=1(3)=3' MIN. APRON END WIDTH=1(8)=8' MIN. APRON DEPTH=12" PROVIDED: 10x10x12" STONE PAD LIGHT STONE FILL NYSDOT ITEM # 620.03

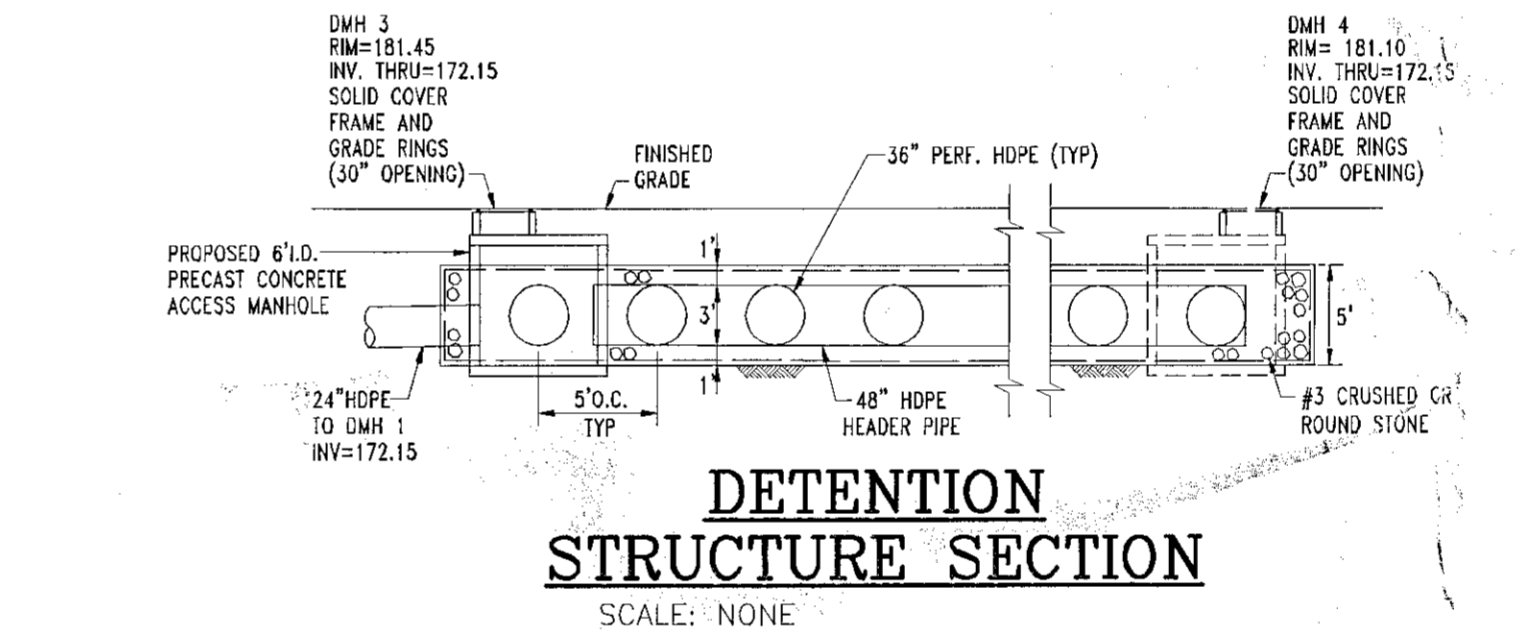
ES-5 OUTLET PROTECTION: 3200 CALCULATIONS: OPEN: CIRCULAR PIPE FLOWING FULL LOW TAILWATER CONDITIONS: 0-800% DIA=18" MIN. STONE DIA= 0.3" MIN. APRON LENGTH= 8' MIN. APRON OUTLET WIDTH=1.5(3)=4.5' MIN. APRON END WIDTH=1.5(8)=12' MIN. APRON DEPTH=12" PROVIDED: 10x10x12" STONE PAD LIGHT STONE FILL NYSDOT ITEM # 620.03

NOTES:
1. MATERIALS SHALL CONTAIN LESS THAN 20% OF STONES WITH A RATIO OF MAX. TO MIN. DIMENSIONS GREATER THAN 3.
2. MATERIALS SHALL CONTAIN A SUFFICIENT AMOUNT OF STONES SMALLER THAN THE AVERAGE STONE SIZE TO FILL IN THE SPACES BETWEEN THE LARGER STONES.

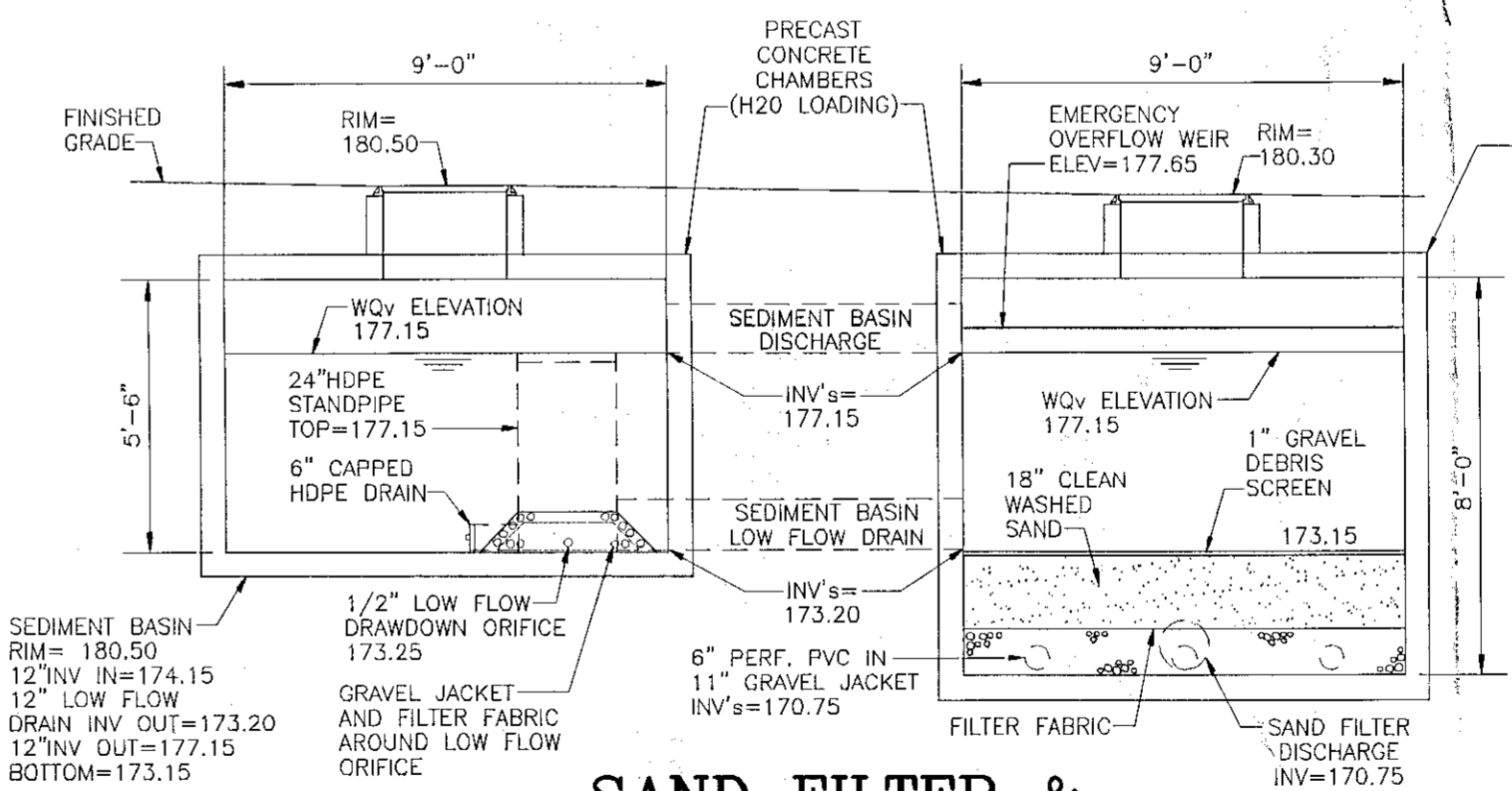
*APRON DIMENSIONS ARE PER STANDARDS SET FORTH IN THE N.Y.S. DESIGN GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL FORTH PRINTING APRIL 1997



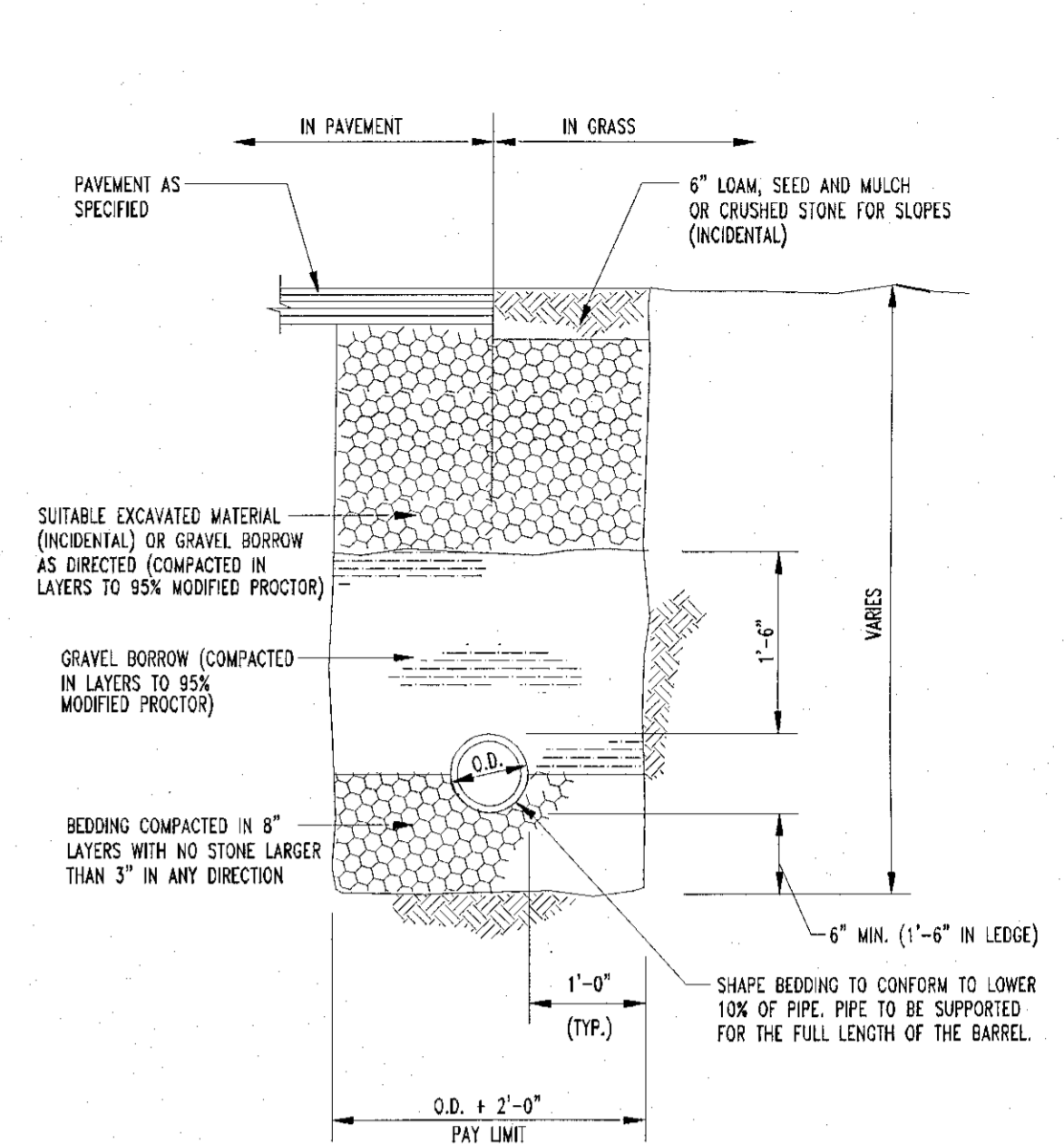
CUSTOMER SERVICE PAD DETAILS



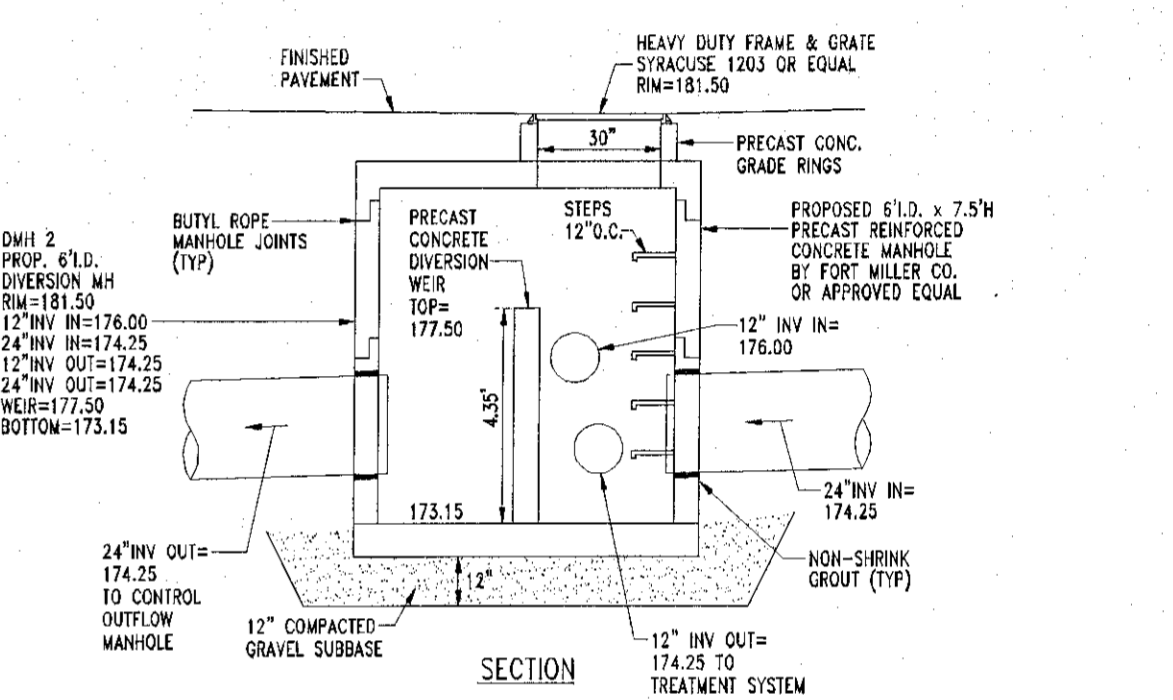
DETENTION
STRUCTURE SECTION



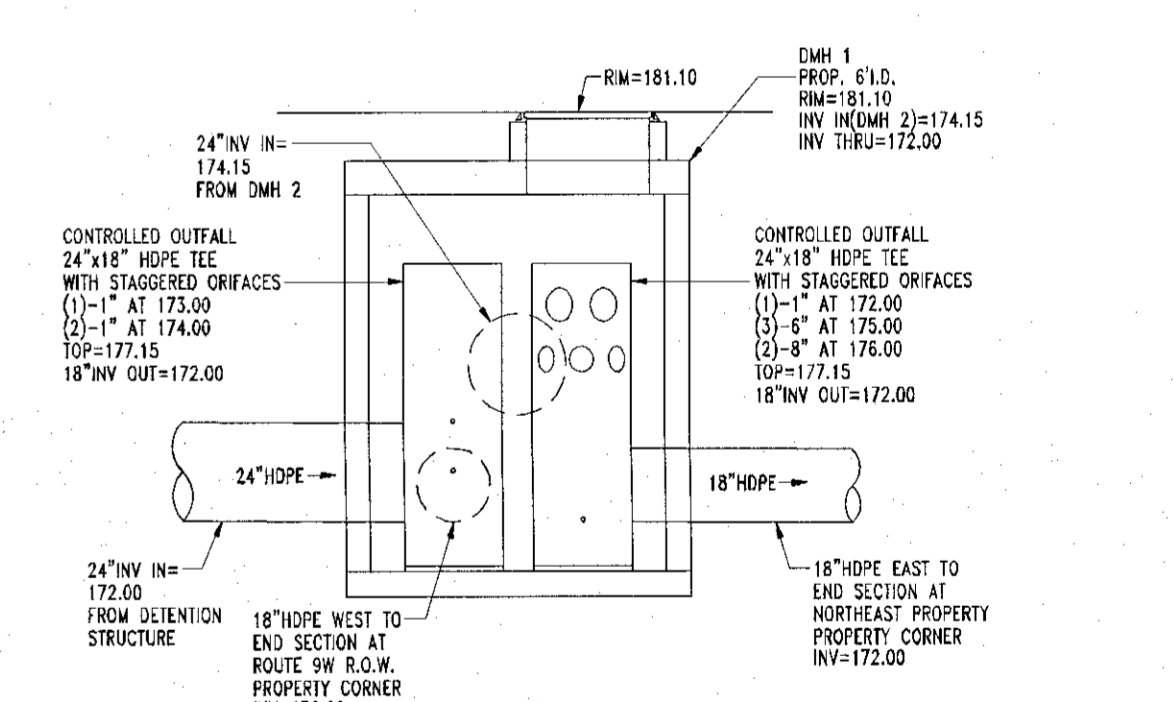
SAND FILTER &
SEDIMENT CHAMBER SECTION



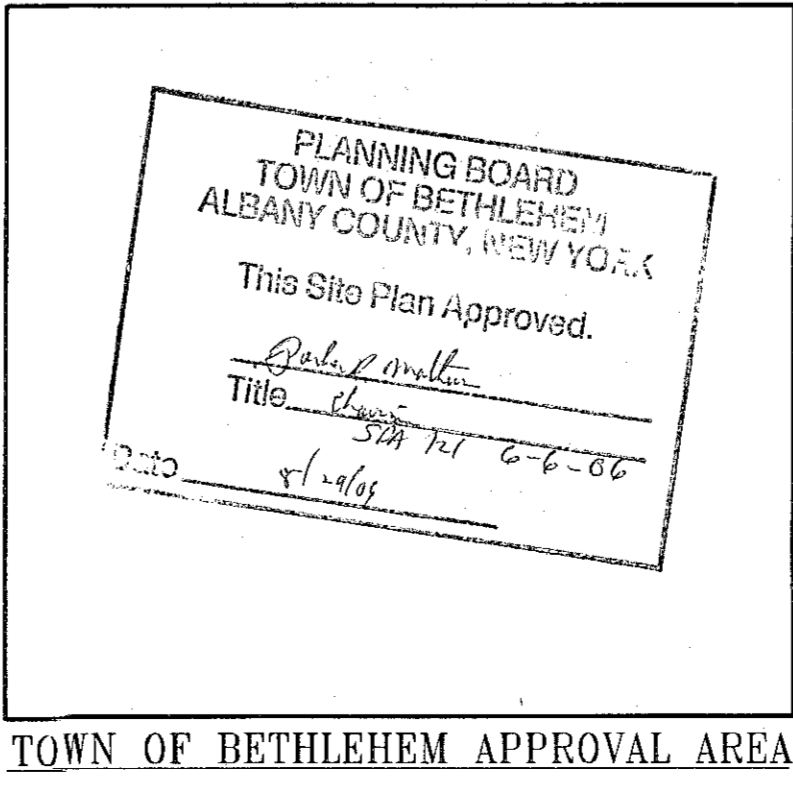
ONSITE PIPE TRENCH DETAIL



DMH 2
DIVERSION MANHOLE DETAIL



DMH 1
CONTROLLED OUTFLOW DETAIL



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

Cumberland Farms
777 Dedham 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

776 MOUNTAIN BLVD. WATCHUNG, NEW JERSEY 07060 (908) 668-8300

PROJECT: CUMBERLAND FARMS, INC. PROP. FOOD STORE & GAS STATION 68 ROUTE 9W - NYS RTE 9W & NYS RTE 57 TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK

TITLE: DETAILS

SCALE: (H) NONE (V) NONE DATE: 4/11/05 SHEET NO: 12 OF 16

DRAWN BY: SMV PROJECT NO: 6040587

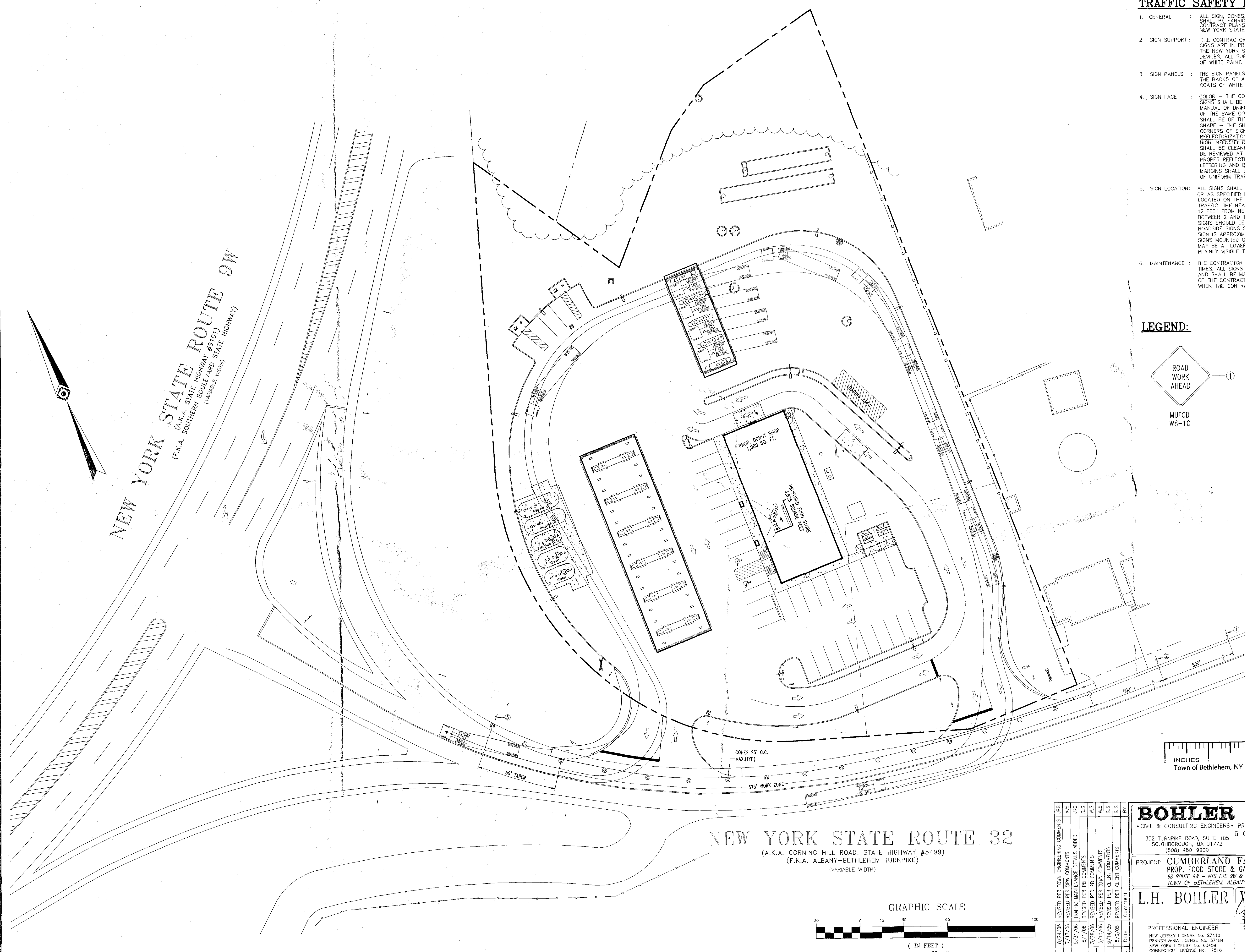
CHECKED BY: RJS CAD ID: 6040587.s00

CONSTRUCTION CHECK DATE

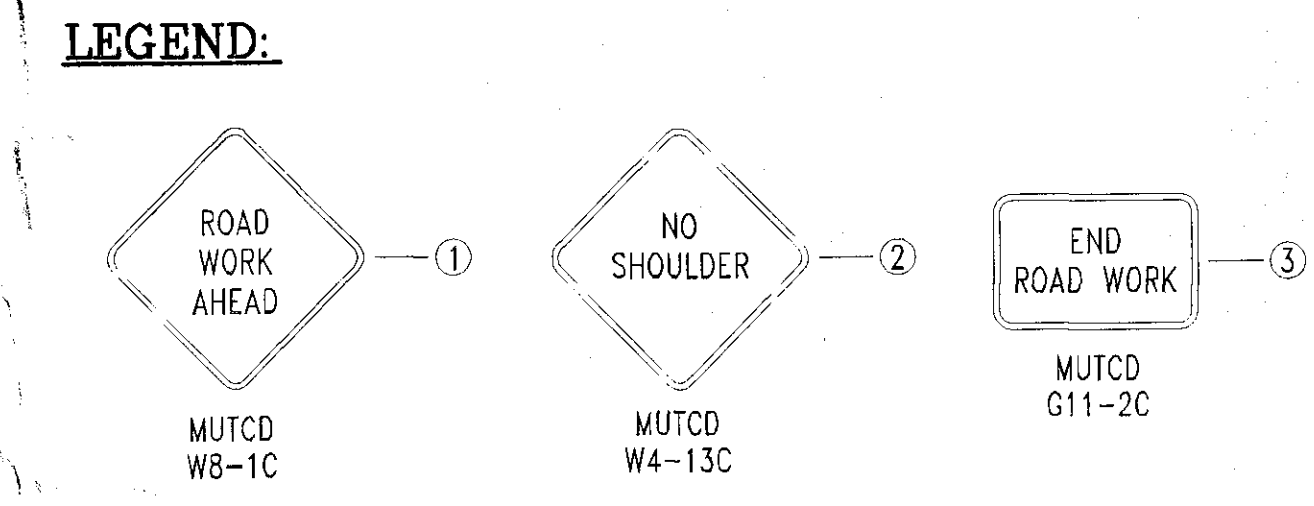
REV. No. 7

L.H. BOHLER
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 27410
PENNSYLVANIA LICENSE No. 37184
NEW YORK LICENSE No. 63409
CONNECTICUT LICENSE No. 17518
MASSACHUSETTS LICENSE No. 37025

W. J. BOHLER
PROFESSIONAL ENGINEER
NEW JERSEY LICENSE No. 27410
PENNSYLVANIA LICENSE No. 37184
NEW YORK LICENSE No. 63409
CONNECTICUT LICENSE No. 17518
MASSACHUSETTS LICENSE No. 37025



- TRAFFIC SAFETY NOTES:**
1. GENERAL : ALL SIGNS, CONES, BARRELS, BARRICADES AND CONC. BARRIERS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS OR AS DIRECTED BY THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 2. SIGN SUPPORT : THE CONTRACTOR SHALL SUPPLY ADEQUATE SUPPORTS SO THAT THE SIGNS ARE IN PROPER POSITION AND ALIGNMENT AS SHOWN IN THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL SUPPORTS SHALL BE PAINTED WITH TWO(2) COATS OF WHITE PAINT.
 3. SIGN PANELS : THE SIGN PANELS MAY BE MADE OF ALUMINUM, STEEL, OR PLYWOOD. THE BACKS OF ALL WOOD SIGN PANELS SHALL RECEIVE TWO(2) COATS OF WHITE PAINT.
 4. SIGN FACE : COLOR - THE COLOR OF THE BACKGROUND AND THE LEGEND OF ALL SIGNS SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE MARGIN SHALL BE OF THE SAME COLOR AS SPECIFIED FOR THE BACKGROUND. THE BORDER SHALL BE OF THE SAME COLOR AS THE LEGEND.
SHAPE - THE SHAPE OF ALL SIGNS SHALL BE AS SHOWN ON THIS SHEET.
CORNERS OF SIGNS SHALL HAVE ROUNDED CORNERS.
REFLECTORIZATION - ALL SIGNS SHALL BE REFLECTORIZED USING HIGH INTENSITY REFLECTORIZED TAPE OR PAINT. ALL SIGNS SHALL BE CLEANED AND MAINTAINED REGULARLY. ALL SIGNS SHALL BE REVIEWED AT NIGHT AFTER ERECTION. ANY SIGNS NOT MEETING PROPER REFLECTION REQUIREMENTS WILL BE REPLACED.
LETTERING AND BORDERS - SIGN LETTERING, BORDERS AND MARGINS SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 5. SIGN LOCATION : ALL SIGNS SHALL BE LOCATED AS SHOWN ON THE CONTRACT PLANS OR AS SPECIFIED BY THE ENGINEER. SIGNS SHALL BE GENERALLY LOCATED ON THE RIGHT SIDE OF THE HIGHWAY FACING APPROACHING TRAFFIC. THE NEAR EDGE OF THE SIGN SHALL BE BETWEEN 6 AND 12 FEET FROM NEAREST EDGE OF THE TRAVELED ROADWAY OR BETWEEN 2 AND 12 FEET FROM THE FACE OF THE VERTICAL CURB. SIGNS SHOULD GENERALLY BE PLACED AT RIGHT ANGLES TO TRAFFIC. ROADSIDE SIGNS SHOULD BE MOUNTED SO THAT THE BOTTOM OF THE SIGN IS APPROXIMATELY 5 FEET ABOVE THE EDGE OF PAVEMENT. SIGNS MOUNTED ON BARRICADES OR TEMPORARY SIGNS IN THE ROADWAY MAY BE AT LOWER HEIGHTS. ALL SIGNS SHALL BE LOCATED SO AS TO BE PLAINLY VISIBLE TO TRAFFIC.
 6. MAINTENANCE : THE CONTRACTOR SHALL KEEP SIGNS CLEANED AND CLEARED AT ALL TIMES. ALL SIGNS SHALL BE THE PROPERTY OF THE CONTRACTOR AND SHALL BE MAINTAINED IN GOOD CONDITION FOR THE DURATION OF THE CONTRACT. ALL SIGNS SHALL BE REMOVED FROM THE WORK SITE WHEN THE CONTRACT WORK IS ACCEPTED.



PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

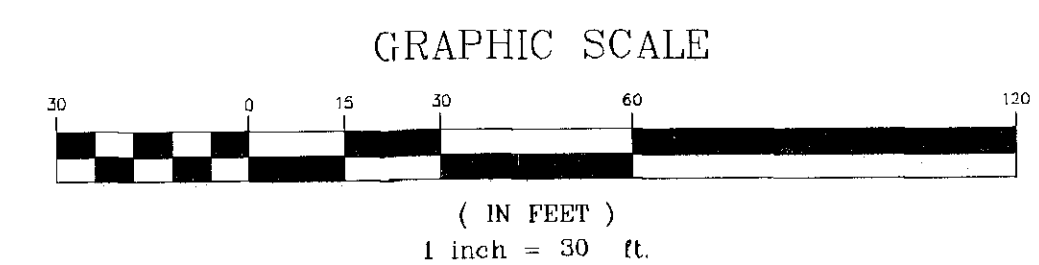
This Site Plan Approved.

Barbara J. Sullivan
Title: *Chairman*
Date: *8/2/06*

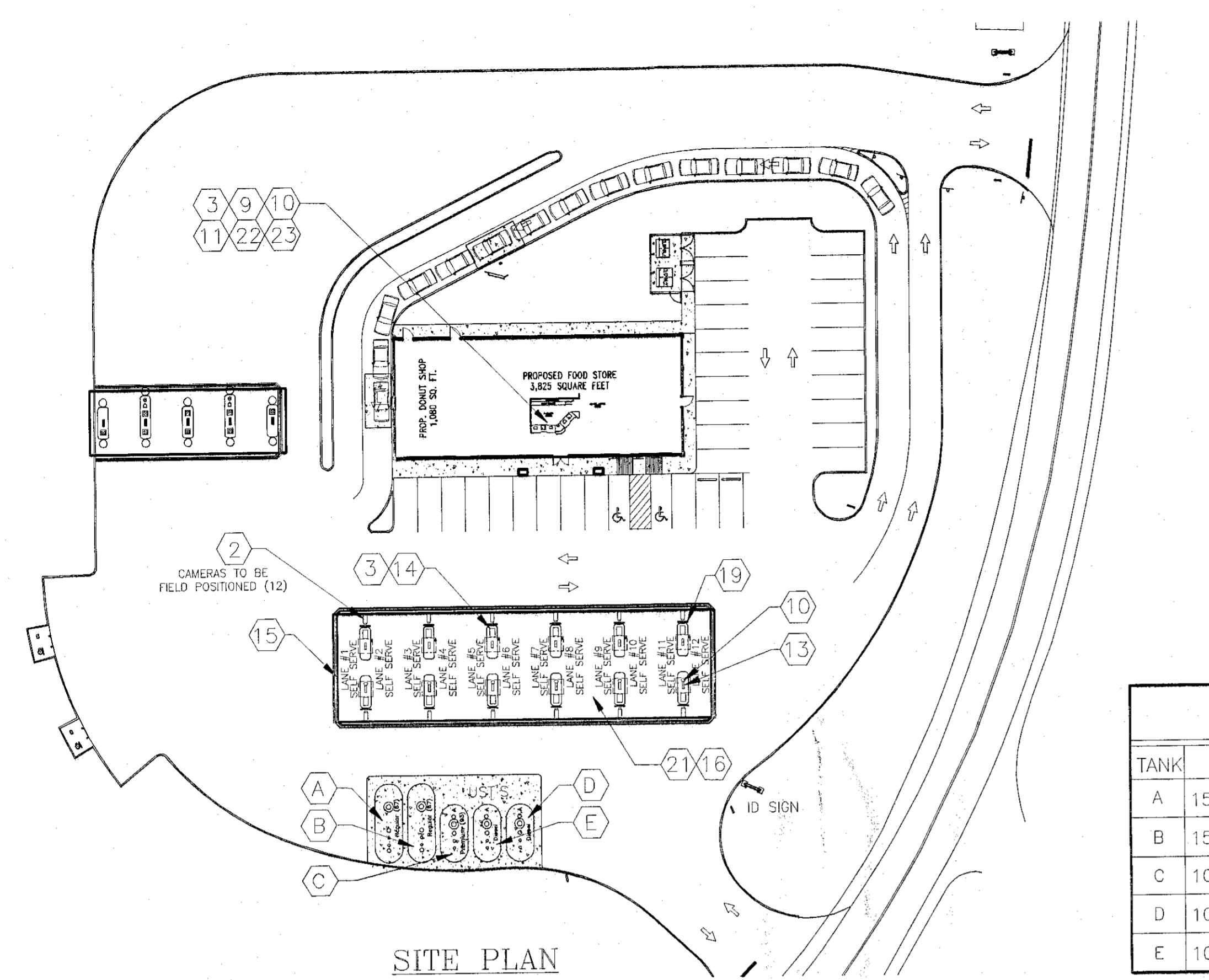
TOWN OF BETHLEHEM APPROVAL AREA

RECEIVED
AUG 28 2006

Cumberland Farms
777 Dedham 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 JERSEY 07205 (518) 438-9900 776 MOUNTAIN BLVD. WATCHUNG, NEW JERSEY 07080 (908) 668-8300	
PROJECT: CUMBERLAND FARMS, INC. PROP. FOOD STORE & GAS STATION 68 ROUTE 9W - NYS RTE 9W & NYS RTE 32 TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK	
TITLE: TRAFFIC MAINTENANCE & TRUCK TURNING PLAN	
PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 27419 PENNSYLVANIA LICENSE NO. 37184 NEW YORK LICENSE NO. 63409 CONNECTICUT LICENSE NO. 17518 MASSACHUSETTS LICENSE NO. 37023	SCALE: (H) 1" = 30' (V) NONE DATE: 4/11/05 DRAWN BY: SMV PROJECT NO: 040587 CHECKED BY: RJS CND ID #: 040587/SSO SHEET NO: 14 OF 16 REV. NO: 7



VEHICLE CAPACITY (GASOLINE)		
TYPE	FULL SERVE	SELF SERVE
FUELING	--	24
WAITING TO BE FUELED	--	12
TOTALS	--	36
TOTAL NUMBER OF DISPENSING UNITS:	12	
TOTAL NUMBER OF FUELING POSITIONS:	24	

CCTV CAMERAS			
LANE #	FULL/SELF SERVE	SELF SERVE	FULL SERVE
LANE 1/2	--	2	--
LANE 3/4	--	2	--
LANE 5/6	--	2	--
LANE 7/8	--	2	--
LANE 9/10	--	2	--
LANE 11/12	--	2	--

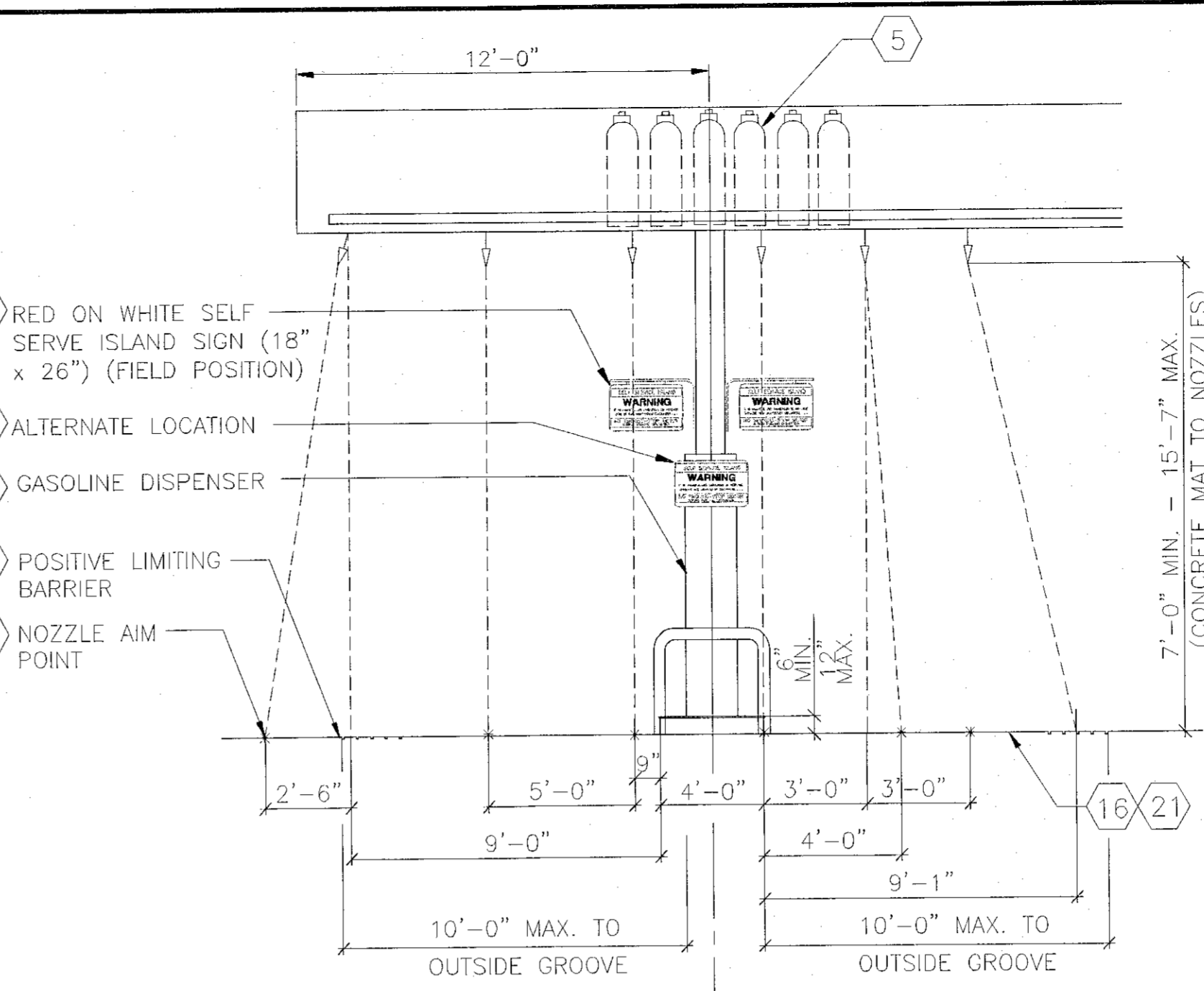
U/G STORAGE TANKS				
TANK	CAPACITY	PRODUCT	TYPE	INSTALL DATE
A	15,000 GAL.	GASOLINE	DW FIBERGLASS	NEW-TBD
B	15,000 GAL.	GASOLINE	DW FIBERGLASS	NEW-TBD
C	10,000 GAL.	GASOLINE	DW FIBERGLASS	NEW-TBD
D	10,000 GAL.	DIESEL	DW FIBERGLASS	NEW-TBD
E	10,000 GAL.	DIESEL	DW FIBERGLASS	NEW-TBD

SITE SPECIFIC SYSTEM COMPONENT TABLE *			
NUMBER OF SYSTEMS REQ'D	NUMBER OF NOZZLES REQ'D	NUMBER OF CYL. REQ'D	CYLINDER SIZE & QTY.
(1) 30' LONG SYSTEM	(36) PER SYSTEM	(6) PER SYSTEM	ATD-35BC= 0 ATD-80BC= 6
(6) SYSTEMS TOTAL	(216) TOTAL	(36) TOTAL	ATD-35BC= 0 ATD-80BC= 36

* INCLUDES MAIN AND END OF ISLAND PROTECTION.

MISCELLANEOUS CHARTS

SPECIAL NOTE:
IN THE EVENT OF A CONFLICT BETWEEN THIS DRAWING AND THE UL LISTED PYRO-CHEM, INC. "THE ATTENDANT II" TECHNICAL MANUAL, THE TECHNICAL MANUAL SHALL GOVERN.
NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICT



END VIEW - MAIN ISLAND AREA PROTECTION
SCALE: 1/4" = 1'-0"

END VIEW - END OF ISLAND PROTECTION
SCALE: 1/4" = 1'-0"

- GENERAL NOTES:**
- THE THERMAL DETECTORS SHALL BE MOUNTED ON THE CANOPY'S UNDERSURFACE OR ON THE UNDERSIDE OF AN 18"x18"x2" HEAT COLLECTOR AND NO HIGHER THAN THE NOZZLES.
 - THE THERMAL DETECTORS SHALL BE INSTALLED ON FIFTEEN (15) FOOT MAXIMUM CENTERS ALONG A SINGLE LINE SYMMETRICALLY OVER THE CENTER OF THE AREA BEING PROTECTED.
 - NOZZLE AND HOSE FROM EACH PETROLEUM PRODUCT DISPENSER SHALL NOT EXTEND BEYOND POSITIVE LIMITING BARRIER AND NO PETROLEUM PRODUCT SHALL BE DISPENSED BEYOND POSITIVE LIMITING BARRIER.

NOTES:
DIMENSIONS 18" BY 26"
WHITE BACKGROUND WITH RED MASKING

LETTERING SIZE AND ARRANGEMENT SHALL BE IN BLOCK LETTERS MIN. HEIGHT 2". AS SHOWN TO RIGHT.

SELF SERVICE ISLAND

WARNING

IT IS UNLAWFUL AND DANGEROUS TO DISPENSE GASOLINE INTO UNAPPROVED CONTAINERS. . . .

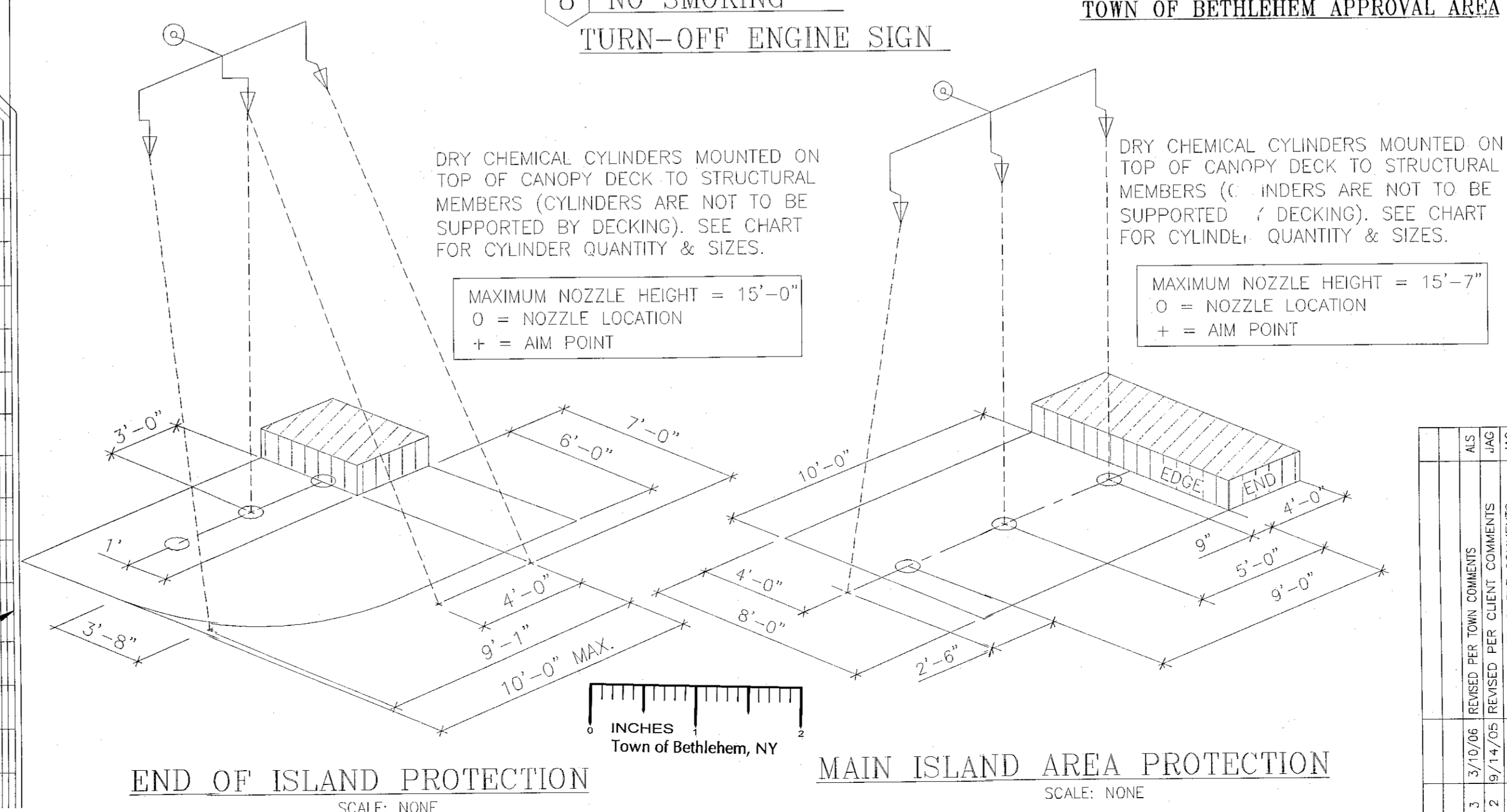
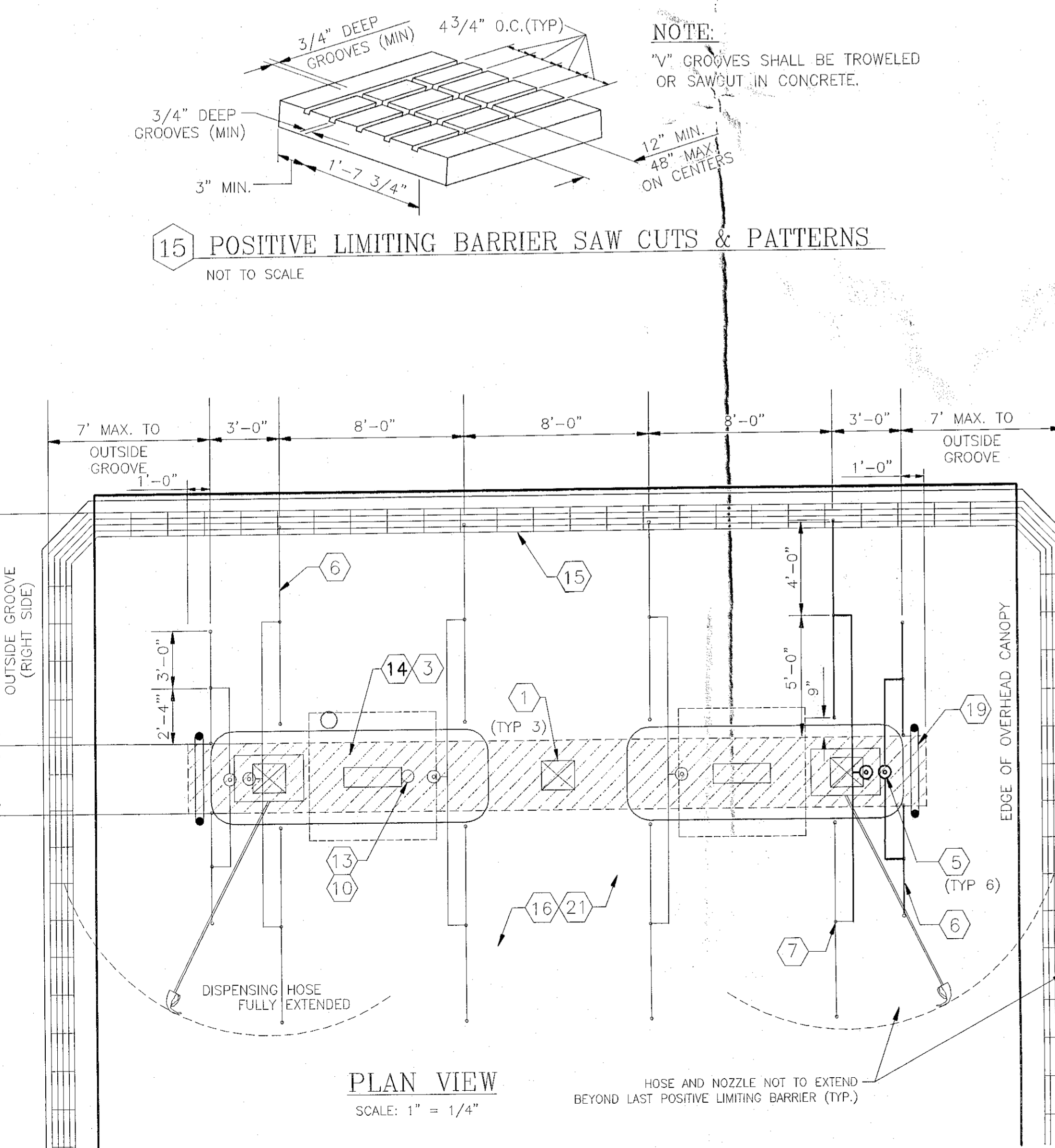
NO SMOKING-STOP MOTOR DURING FUELING OPERATION

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved.

John D. Mohr
Title: Planning Board
Date: 8/2/06

TOWN OF BETHLEHEM APPROVAL AREA



- LEGEND**
- 190" HIGH TEMP. AUTOMATIC THERMOSTAT INSTALLED ON 15 FOOT MAXIMUM CENTERS INTERCONNECTED TO FIRE SUPPRESSION SYSTEM, CENTER OF EACH ISLAND ABOVE DISPENSERS. SEE GENERAL NOTE #1.
 - CCTV CAMERA MOUNTED TO OVERHEAD CANOPY COLUMN AT ISLAND WITH CCTV MONITOR(S) LOCATED NEAR CASH REGISTER AT THE TRANSACTION AREA WITHIN THE BUILDING.
 - INTERCOM SPEAKERS AT EACH DISPENSER WITH MASTER CONTROL LOCATED AT CENTRAL CONTROL AREA.
 - OVERHEAD FIRE SUPPRESSION PIPING (SUPPLY).
 - DRY CHEMICAL CYLINDERS AS REQUIRED BY MANUFACTURER OF SUPPRESSION SYSTEM WITH REFERENCE TO U/L APPROVED INSTALLATION AND MAINTENANCE MANUAL.
 - OVERHEAD FIRE SUPPRESSION PIPING (DISTRIBUTION).
 - NOZZLE.
 - NO SMOKING AND TURN OFF ENGINE SIGN.
 - GASOLINE DISPENSER CONTROL CONSOLE EQUIPMENT WITH COMPLETE EQUIPMENT SHUTDOWN EMERGENCY MODE U/L APPROVED.
 - CONTROL CENTER.
 - FIRE SUPPRESSION STRIKE POINT - FOR END OF ISLAND NOZZLE AIM POINTS REFER TO THE UL LISTED PYRO-CHEM, INC. "THE ATTENDANT II", TECHNICAL MANUAL.
 - SUPPORT COLUMN.
 - GASOLINE OR DIESEL DISPENSER U/L APPROVED WITH AUTOMATIC CREDIT CARD READING DEVICE.
 - POSITIVE LIMITING BARRIER AROUND PERIMETER OF SELF SERVE GASOLINE DISPENSING AREA.
 - SELF SERVE GASOLINE DISPENSING AREA.
 - APPROPRIATE INSTRUCTIONS FOR USE AT EACH SELF SERVE DISPENSING NOZZLE.
 - N/A.
 - SAFETY BARRICADE.
 - LIGHTING WITHIN SELF SERVE DISPENSING AREA.
 - CONCRETE MAT SURROUNDING THE DISPENSING AREA SHALL BE MADE AS LEVEL AS POSSIBLE.
 - FACILITY.
 - MANUAL RELEASE LOCATED IN CONTROL CENTER CONVENIENT TO ATTENDANT.
 - REMOTE RELEASE ENGINEERED BY FACTORY, INSTALLED BY AUTHORIZED FIRE SUPPRESSION CONTRACTOR.
 - THE PIPING SHALL NOT NEGATIVELY IMPACT OR INTERFERE WITH THE FIRE SUPPRESSION SYSTEM EXPELLANT AND ACTIVATION OF THE THERMOSTATS.

ALL DISCHARGE PIPING, TEES, ELBOWS, UNIONS AND FITTINGS THAT ARE PART OF THE DISTRIBUTION SYSTEM OF THE DRY CHEMICAL PRE-ENGINEERED FIXED FIRE EXTINGUISHING SYSTEM AT SELF SERVE MOTOR FUEL FACILITIES SHALL BE SCHEDULE 40 BLACK, GALVANIZED, STAINLESS STEEL, OR CHROME PLATED PIPE AND INSTALLED IN ACCORDANCE WITH MANUFACTURER UL LISTED INSTALLATION MANUAL.

- NOTES:**
- AT LEAST SEMI-ANNUALLY ALL DISCHARGE NOZZLES, PIPING, DRY CHEMICAL CONTAINERS, HEAT COLLECTORS ETC. SHALL BE INSPECTED BY APPROVED AND CERTIFIED COMPANIES (TYPES-B&D) AND INDIVIDUAL (TYPES-F&H) AND REPORTS OF SUCH INSPECTIONS SUBMITTED TO HEAD OF THE FIRE DEPARTMENT IN ACCORDANCE WITH N.F.P.A. STANDARD #17 OR LATEST REVISION.
- NO FIXED FIRE EXTINGUISHING SYSTEM WILL BE INSTALLED UNTIL AND ONLY AFTER THE DATE OF APPROVAL OF THE SELF-SERVICE MOTOR FUEL FACILITY. THE INSTALLATION SHALL BE TAKEN FROM AND IN ACCORDANCE WITH APPROVED/STAMPED PLANS FROM THE STATE FIRE MARSHAL MARKED SUPPRESSION SYSTEM INSTALLER COPY. VIOLATION OF THIS STATEMENT WILL NULLIFY AND VOID THE APPROVAL OF THIS SELF-SERVICE APPLICATION.
- A STATE FIRE MARSHAL APPROVED SIGN SHALL BE INSTALLED ABOVE EACH PRODUCT DISPENSER ON THE SELF SERVE ISLAND(S).
- EXISTING SELF SERVICE FACILITIES SHALL BE SUBJECTED TO RESUBMITTAL AND REVIEW SHOULD ANY OF THE FOLLOWING ITEMS OCCUR:
- A. ALTERATIONS TO THE PRE-ENGINEERED FIXED EXTINGUISHING SYSTEM(S) OTHER THAN NORMAL MAINTENANCE PROCEDURES.
- B. ALTERATIONS TO THE SELF SERVICE DISPENSING ISLAND ARRANGEMENT(S) RESULTING IN A CHANGE OF HAZARD AREA PROTECTION.
- C. ALTERATIONS OR ENVIRONMENTAL CHANGES RESULTING IN THE INABILITY OF A CONSOLE OPERATOR TO CONSTANTLY OBSERVE THE DISPENSING OPERATION. THIS ITEM SHALL BE DETERMINED BY THE LOCAL HEAD OF THE FIRE DEPARTMENT.
- D. CHANGES OR ALTERATIONS IN THE METHOD OF DISPENSING MOTOR FUEL.

I, _____ CHIEF OF DEPARTMENT OR HIS DESIGNEE, HAVE REVIEWED THE ATTACHED INFORMATION AND HAVE ACKNOWLEDGMENT OF.

CITY/TOWN: _____

DATE: _____

- FIRE SUPPRESSION NOTES:**
- FIRE SUPPRESSION SYSTEM AND ASSOCIATED COMPONENTS SHALL BE INSTALLED BY A LICENSED FIRE SUPPRESSION SYSTEM INSTALLER CERTIFIED FOR SUCH INSTALLATION BY THE SYSTEM MANUFACTURER.
 - THE PROPOSED FIRE SUPPRESSION SYSTEM AND SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS. INSTALLATION OF THIS SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF THE SYSTEM MANUFACTURER, THE TOWN OF BETHLEHEM FIRE DEPARTMENT, AND ALSO THE NEW YORK STATE FIRE MARSHAL'S OFFICE REQUIREMENTS.
 - SYSTEM INSTALLER IS RESPONSIBLE FOR REVIEWING THIS PLAN FOR COMPLIANCE WITH THE REQUIREMENTS OF THE SYSTEM MANUFACTURER PRIOR TO INSTALLATION. IT IS THE INSTALLER'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY CONFLICTS. FAILURE TO NOTIFY THE ENGINEER OF RECORD SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL CONFORMANCE WITH ALL APPLICABLE CODES AND REQUIREMENTS.
 - THIS PLAN WAS PREPARED USING THE SYSTEM MANUFACTURERS GUIDELINES AND IS INTENDED FOR GENERAL LAYOUT PURPOSES ONLY.

FOR FIRE MARSHAL USE

RECEIVED
AUG 28 2006
TOWN OF BETHLEHEM

INSTALLER: **BOHLER ENGINEERING, P.C.**
CONTRACTOR: _____

BOHLER ENGINEERING, P.C.
CIVIL & CONSULTING ENGINEERS • PROJECT MANAGERS • ENVIRONMENTAL & SITE PLANNERS • MUNICIPAL ENGINEERS
NORTH WALES, PENNSYLVANIA
(215) 393-8300
STERLING, VIRGINIA
(703) 709-9500

352 TURNPIKE ROAD
SOUTHBORO, MA 01772
(508) 480-9900

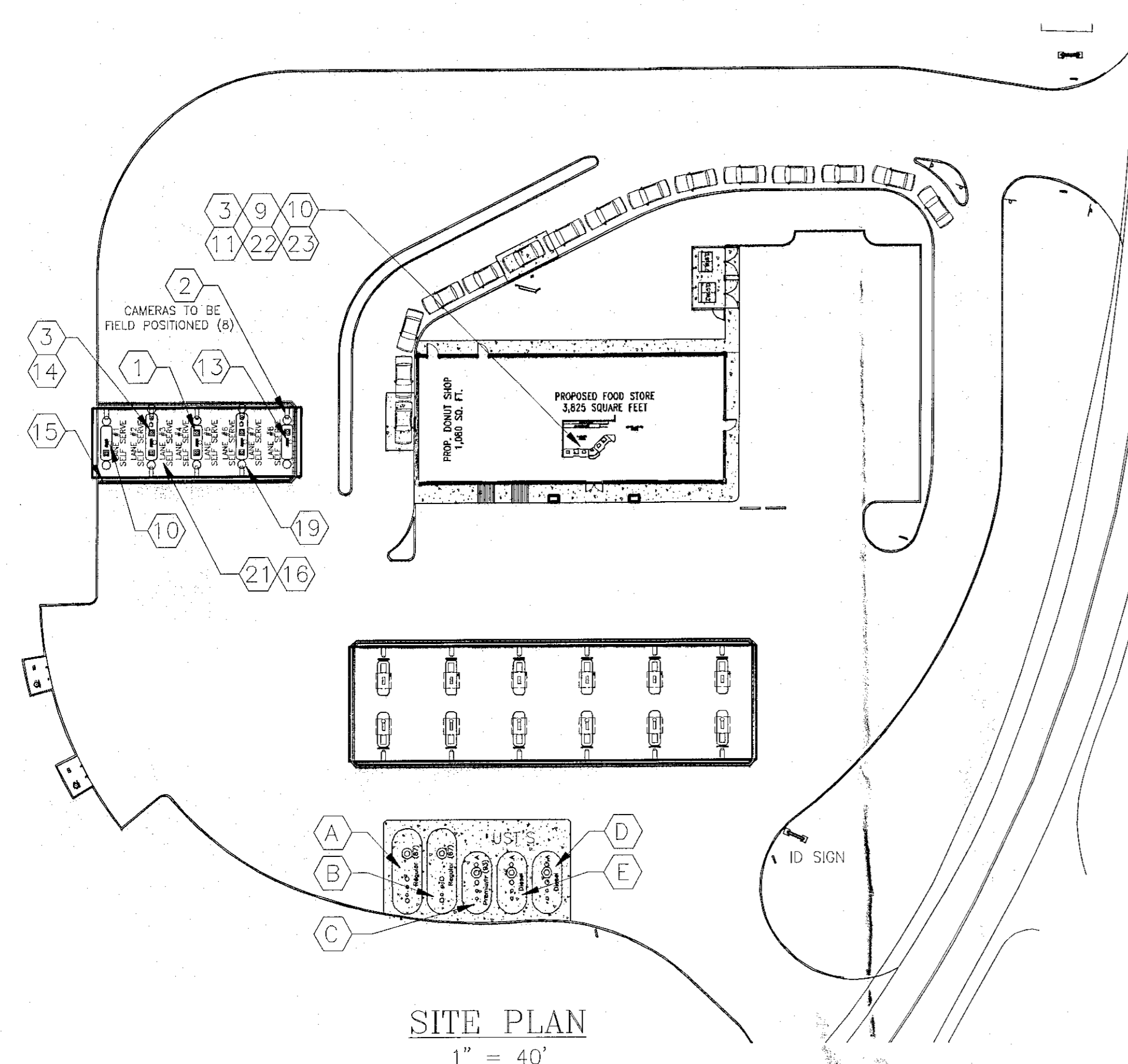
PROJECT: CUMBERLAND FARMS, INC.
PROP. FIRE SUPPRESSION SYSTEM FOR GASOLINE ISLANDS
68 ROUTE 9W, NYS RTE 9W & NYS RTE 32
TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK

TITLE: PYRO-CHEM, INC.
"THE ATTENDANT II" GASOLINE
FIRE SUPPRESSION SYSTEM

SCALE: AS NOTED
DATE: 04/13/05
PROJECT No: B010587
CHECKED BY: JAG
CAD ID: B040587f51

W.D. DECOURSEY
S.P. DECOURSEY
PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSE No. 36424
NEW HAMPSHIRE LICENSE No. 9308
MAINE LICENSE No. 8408
VERMONT LICENSE No. 7110

SHEET No: 15 OF 16
REV. No: 3
CONSTRUCTION CHECK: _____ DATE: _____



VEHICLE CAPACITY (DIESEL)		
TYPE	FULL SERVE	SELF SERVE
FUELING	--	8
WAITING TO BE FUELED	--	3
TOTALS	--	11
TOTAL NUMBER OF DISPENSING UNITS: 8		
TOTAL NUMBER OF FUELING POSITIONS: 14		

CCTV CAMERAS			
LANE #	FULL/SERVE	SELF SERVE	FULL SERVE
LANE 1	--	1	--
LANE 2/3	--	2	--
LANE 4/5	--	2	--
LANE 6/7	--	2	--
LANE 8	--	1	--

U/G STORAGE TANKS				
TANK	CAPACITY	PRODUCT	TYPE	INSTALL DATE
A	15,000 GAL.	GASOLINE	DW FIBERGLASS	NEW-TBD
B	15,000 GAL.	GASOLINE	DW FIBERGLASS	NEW-TBD
C	10,000 GAL.	GASOLINE	DW FIBERGLASS	NEW-TBD
D	10,000 GAL.	DIESEL	DW FIBERGLASS	NEW-TBD
E	10,000 GAL.	DIESEL	DW FIBERGLASS	NEW-TBD

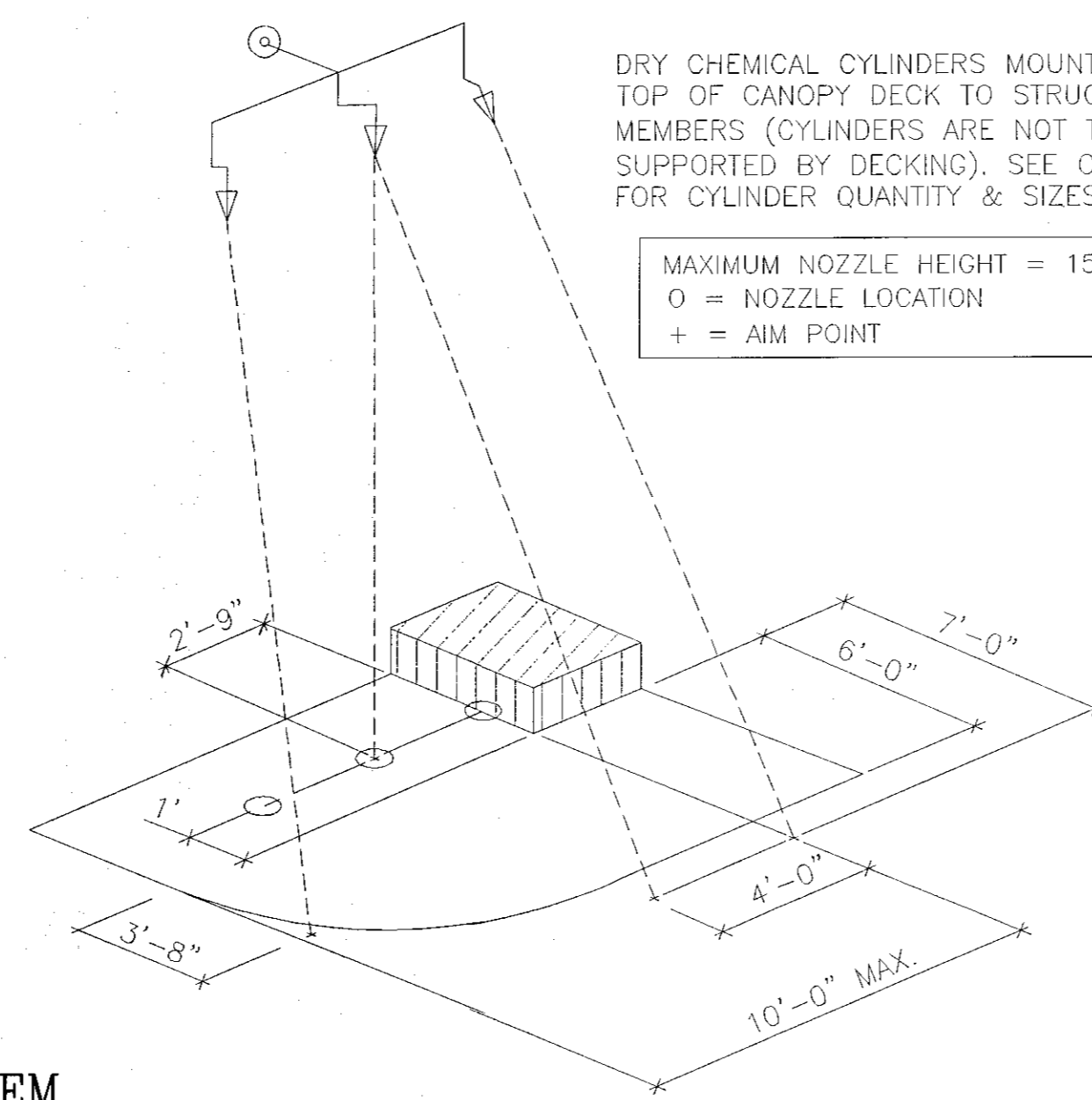
SITE SPECIFIC SYSTEM COMPONENT TABLE *			
NUMBER OF SYSTEMS REQ'D	NUMBER OF NOZZLES REQ'D	NUMBER OF CYL. REQ'D	CYLINDER SIZE & QTY.
(3) 16' LONG SYSTEMS	(24) PER SYSTEM (72) TOTAL	(4) PER SYSTEM (12) TOTAL	ATD-35BC= 0 ATD-80BC=12
(2) 8' LONG 1/2 SYSTEMS	(9) PER SYSTEM (18) TOTAL	(3) PER SYSTEM (6) TOTAL	ATD-35BC= 6 ATD-80BC= 0
* INCLUDES MAIN AND END OF ISLAND PROTECTION.			

MISCELLANEOUS CHARTS

SPECIAL NOTE:
IN THE EVENT OF A CONFLICT BETWEEN THIS DRAWING AND THE UL LISTED PYRO-CHEM INC. "THE ATTENDANT II" TECHNICAL MANUAL, THE TECHNICAL MANUAL SHALL GOVERN.
NOTIFY ENGINEER IMMEDIATELY OF ANY CONFLICT

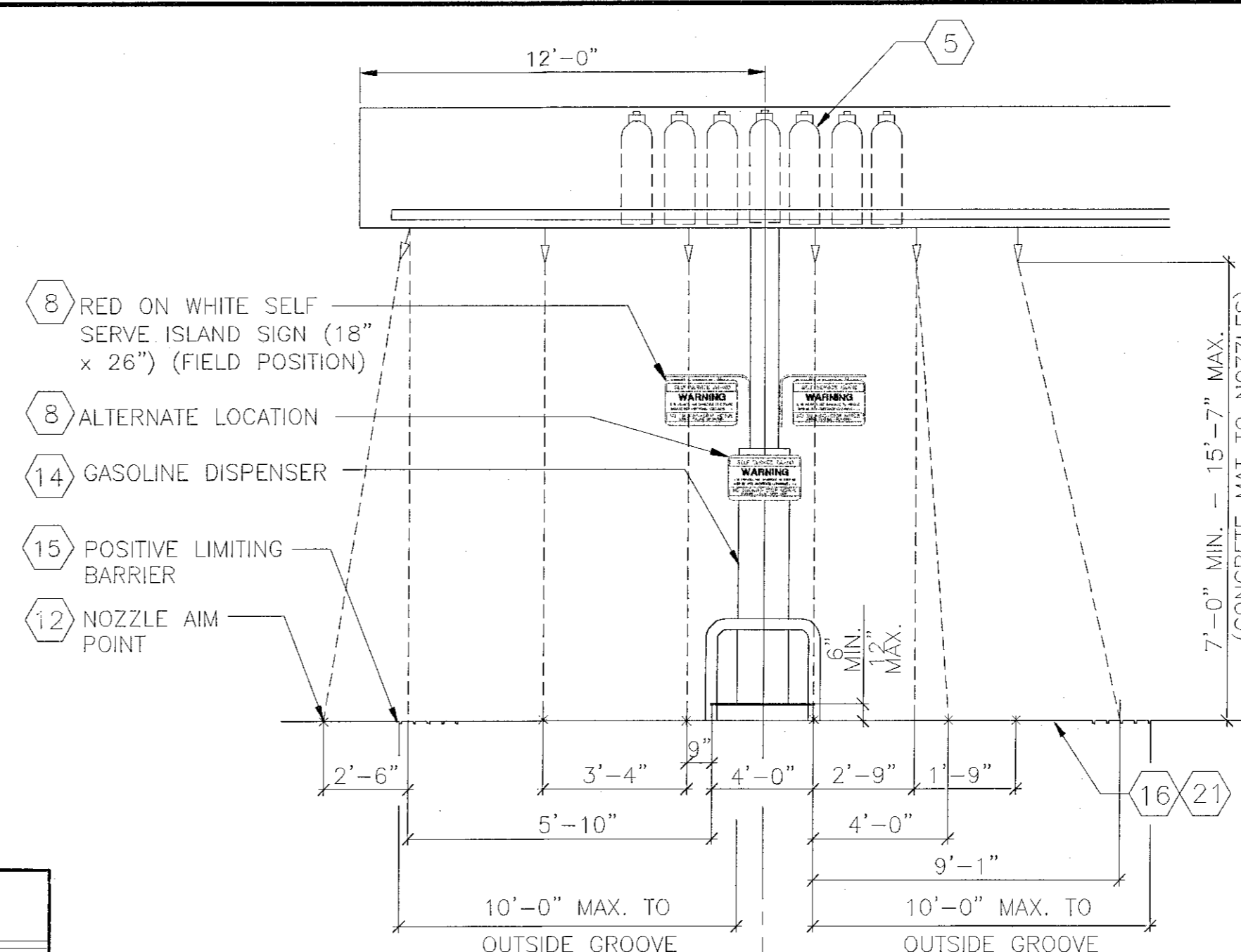
DRY CHEMICAL CYLINDERS MOUNTED ON TOP OF CANOPY DECK TO STRUCTURAL MEMBERS (CYLINDERS ARE NOT TO BE SUPPORTED BY DECKING). SEE CHART FOR CYLINDER QUANTITY & SIZES.

MAXIMUM NOZZLE HEIGHT = 15'-0"
O = NOZZLE LOCATION
+ = AIM POINT



END OF ISLAND PROTECTION

SCALE: NONE



END VIEW - MAIN ISLAND AREA PROTECTION

SCALE: 1/4" = 1'-0"

END VIEW - END OF ISLAND PROTECTION

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

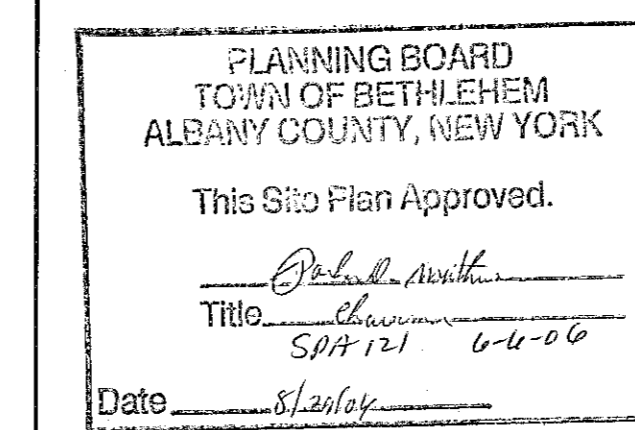
- THE THERMAL DETECTORS SHALL BE MOUNTED ON THE CANOPY'S UNDERSURFACE OR ON THE UNDERSIDE OF AN 18"x18"x2" HEAT COLLECTOR AND NO HIGHER THAN THE NOZZLES.
- THE THERMAL DETECTORS SHALL BE INSTALLED ON FIFTEEN (15) FOOT MAXIMUM CENTERS ALONG A SINGLE LINE SYMMETRICALLY OVER THE CENTER OF THE AREA BEING PROTECTED.
- NOZZLE AND HOSE FROM EACH PETROLEUM PRODUCT DISPENSER SHALL NOT EXTEND BEYOND POSITIVE LIMITING BARRIER AND NO PETROLEUM PRODUCT SHALL BE DISPENSED BEYOND POSITIVE LIMITING BARRIER.



NOTES:

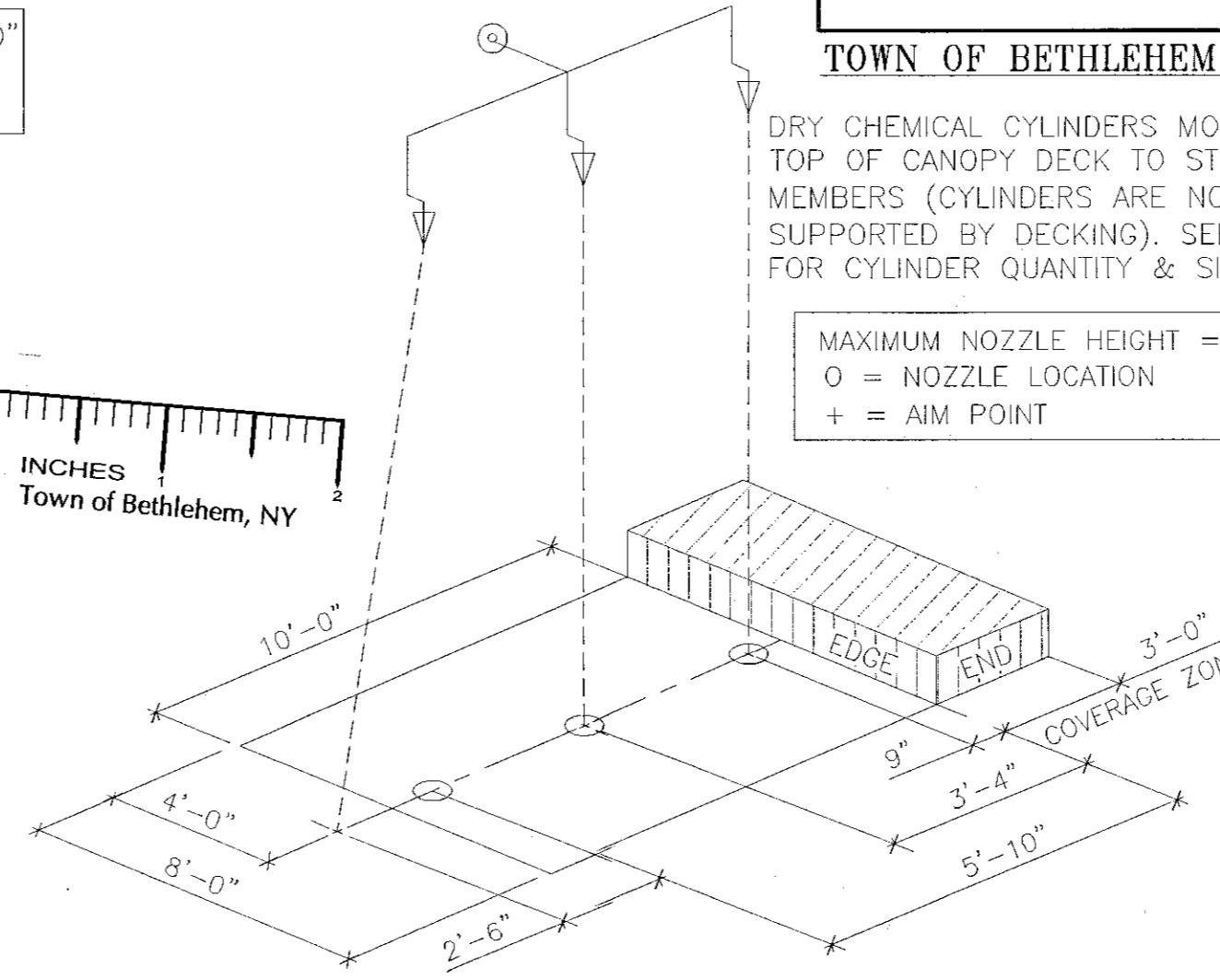
DIMENSIONS 18" BY 26"
WHITE BACKGROUND WITH RED MASKING
LETTERING SIZE AND ARRANGEMENT SHALL BE IN BLOCK LETTERS MIN. HEIGHT 2" AS SHOWN TO RIGHT.

NO SMOKING - TURN-OFF ENGINE SIGN



TOWN OF BETHLEHEM APPROVAL AREA

MAXIMUM NOZZLE HEIGHT = 15'-7"
O = NOZZLE LOCATION
+ = AIM POINT



MAIN ISLAND AREA PROTECTION

SCALE: NONE

LEGEND

- 130' HIGH TEMP. AUTOMATIC THERMOSTAT INSTALLED ON 15 FOOT MAXIMUM CENTERS INTERCONNECTED TO FIRE SUPPRESSION SYSTEM, CENTER OF EACH ISLAND ABOVE DISPENSERS. SEE GENERAL NOTE #1.
- CCTV CAMERA MOUNTED TO OVERHEAD CANOPY COLUMN AT ISLAND WITH CCTV MONITOR(S) LOCATED NEAR CASH REGISTER AT THE TRANSACTION AREA WITHIN THE BUILDING.
- INTERCOM SPEAKERS AT EACH DISPENSER WITH MASTER CONTROL LOCATED AT CENTRAL CONTROL AREA.
- OVERHEAD FIRE SUPPRESSION PIPING (SUPPLY).
- DRY CHEMICAL CYLINDERS AS REQUIRED BY MANUFACTURER OF SUPPRESSION SYSTEM WITH REFERENCE TO U/L APPROVED INSTALLATION AND MAINTENANCE MANUAL.
- OVERHEAD FIRE SUPPRESSION PIPING (DISTRIBUTION).
- NOZZLE.
- NO SMOKING AND TURN OFF ENGINE SIGN.
- GASOLINE DISPENSER CONTROL CONSOLE EQUIPMENT WITH COMPLETE EQUIPMENT SHUTDOWN EMERGENCY MODE U/L APPROVED.
- HAND OPERATED 40 BC FIRE EXTINGUISHER.
- CONTROL CENTER.
- FIRE SUPPRESSION STRIKE POINT - FOR END OF ISLAND NOZZLE AIM POINTS REFER TO THE UL LISTED PYRO-CHEM, INC. "THE ATTENDANT II", TECHNICAL MANUAL.
- SUPPORT COLUMN.
- GASOLINE OR DIESEL DISPENSER U/L APPROVED WITH AUTOMATIC CREDIT CARD READING DEVICE.
- POSITIVE LIMITING BARRIER AROUND PERIMETER OF SELF SERVE GASOLINE DISPENSING AREA.
- SELF SERVE GASOLINE DISPENSING AREA.
- APPROPRIATE INSTRUCTIONS FOR USE AT EACH SELF SERVE DISPENSING NOZZLE.
- N/A.
- SAFETY BARRICADE.
- LIGHTING WITHIN SELF SERVE DISPENSING AREA.
- CONCRETE MAT SURROUNDING THE DISPENSING AREA SHALL BE MADE AS LEVEL AS POSSIBLE.
- MANUAL RELEASE LOCATED IN CONTROL CENTER CONVENIENT TO ATTENDANT.
- REMOTE RELEASE ENGINEERED BY FACTORY, INSTALLED BY AUTHORIZED FIRE SUPPRESSION CONTRACTOR.
- THE PIPING SHOULD NOT NEGATIVELY IMPACT OR INTERFERE WITH THE FIRE SUPPRESSION SYSTEM EXPELLANT AND ACTIVATION OF THE THERMOSTATS.

ALL DISCHARGE PIPING, TEES, ELBOWS, UNIONS AND FITTINGS THAT ARE PART OF THE DISTRIBUTION SYSTEM OF THE DRY CHEMICAL PRE-ENGINEERED FIRE EXTINGUISHING SYSTEM AT SELF SERVE MOTOR FUEL FACILITIES SHALL BE SCHEDULE 40 BLACK GALVANIZED, STAINLESS STEEL OR CHROME PLATED PIPE AND INSTALLED IN ACCORDANCE WITH MANUFACTURER UL LISTED INSTALLATION MANUAL.

NOTES:

- AT LEAST SEMI-ANNUALLY ALL DISCHARGE NOZZLES, PIPING, DRY CHEMICAL CONTAINERS, HEAT COLLECTORS ETC. SHALL BE INSPECTED BY APPROVED AND CERTIFIED COMPANIES (TYPES-B&D) AND INDIVIDUAL (TYPES-F&H) AND REPORTS OF SUCH INSPECTIONS SUBMITTED TO HEAD OF THE FIRE DEPARTMENT IN ACCORDANCE WITH N.F.P.A. STANDARD #17 OR LATEST REVISION.
- NO FIXED FIRE EXTINGUISHING SYSTEM WILL BE INSTALLED UNTIL AND ONLY AFTER THE DATE OF APPROVAL OF THE SELF-SERVICE MOTOR FUEL FACILITY. THE INSTALLATION SHALL BE TAKEN FROM AND IN ACCORDANCE WITH APPROVED/STAMPED PLANS FROM THE STATE FIRE MARSHAL MARKED SUPPRESSION SYSTEM INSTALLER COPY. VIOLATION OF THIS STATEMENT WILL NULLIFY AND VOID THE APPROVAL OF THIS SELF-SERVICE APPLICATION.
- A STATE FIRE MARSHAL APPROVED SIGN SHALL BE INSTALLED ABOVE EACH PRODUCT DISPENSER ON THE SELF SERVE ISLAND(S).
- EXISTING SELF SERVICE FACILITIES SHALL BE SUBJECTED TO RESUBMITAL AND REVIEW SHOULD ANY OF THE FOLLOWING ITEMS OCCUR:
 - ALTERATIONS TO THE PRE-ENGINEERED FIXED EXTINGUISHING SYSTEM(S) OTHER THAN NORMAL MAINTENANCE PROCEDURES.
 - ALTERATIONS TO THE SELF SERVICE DISPENSING ISLAND ARRANGEMENT(S) RESULTING IN A CHANGE OF HAZARD AREA PROTECTION.
 - ALTERATIONS OR ENVIRONMENTAL CHANGES RESULTING IN THE INABILITY OF A CONSOLE OPERATOR TO CONSTANTLY OBSERVE THE DISPENSING OPERATION. THIS ITEM SHALL BE DETERMINED BY THE LOCAL HEAD OF THE FIRE DEPARTMENT.
 - CHANGES OR ALTERATIONS IN THE METHOD OF DISPENSING MOTOR FUEL.

I, _____ CHIEF OF DEPARTMENT OR HIS DESIGNEE, HAVE REVIEWED THE ATTACHED INFORMATION AND HAVE ACKNOWLEDGMENT OF.
CITY/TOWN: _____
DATE: _____

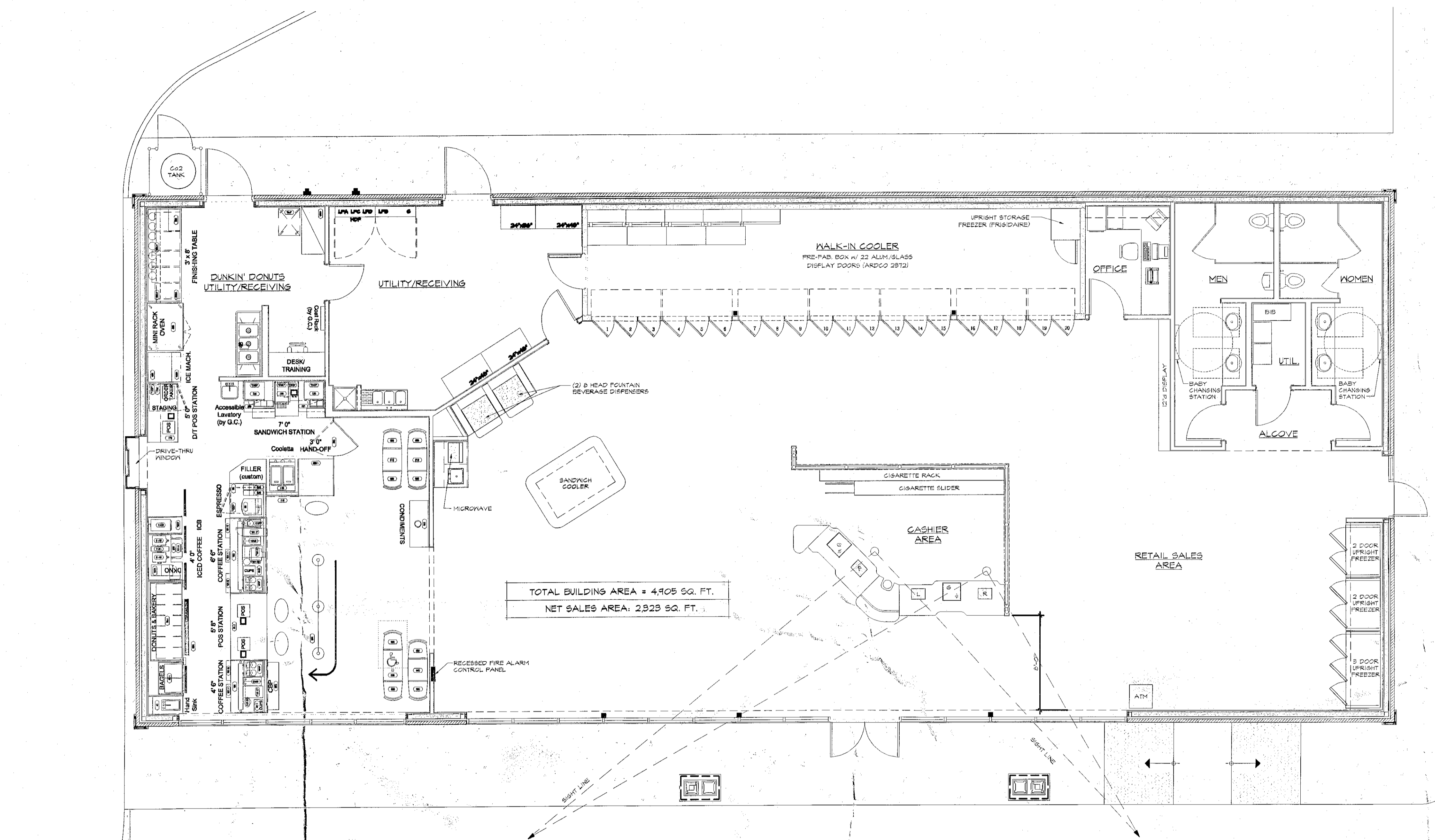
FIRE SUPPRESSION NOTES:

- FIRE SUPPRESSION SYSTEM AND ASSOCIATED COMPONENTS SHALL BE INSTALLED BY A LICENSED FIRE SUPPRESSION SYSTEM INSTALLER CERTIFIED FOR SUCH INSTALLATION BY THE SYSTEM MANUFACTURER.
- THE PROPOSED FIRE SUPPRESSION SYSTEM AND SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS. INSTALLATION OF THIS SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF THE SYSTEM MANUFACTURER, THE TOWN OF BETHLEHEM FIRE DEPARTMENT, AND ALSO THE NEW YORK STATE FIRE MARSHAL'S OFFICE REQUIREMENTS.
- SYSTEM INSTALLER IS RESPONSIBLE FOR REVIEWING THIS PLAN FOR COMPLIANCE WITH THE REQUIREMENTS OF THE SYSTEM MANUFACTURER PRIOR TO INSTALLATION. IT IS THE INSTALLER'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY CONFLICTS. FAILURE TO NOTIFY THE ENGINEER OF RECORD SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL CONFORMANCE WITH ALL APPLICABLE CODES AND REQUIREMENTS.
- THIS PLAN WAS PREPARED USING THE SYSTEM MANUFACTURER'S GUIDELINES AND IS INTENDED FOR GENERAL LAYOUT PURPOSES ONLY.

FOR FIRE MARSHAL USE

RECEIVED
AUG 28 2006
TOWN OF BETHLEHEM

INSTALLER:	CONTRACTOR:
BOHLER ENGINEERING, P.C. • CIVIL & CONSULTING ENGINEERS • PROJECT MANAGERS • ENVIRONMENTAL & SITE PLANNERS • MUNICIPAL ENGINEERS • NORTH WALES, PENNSYLVANIA (215) 393-8300 VALLEY STREAM, NEW YORK (516) 872-2000 STERLING, VIRGINIA (703) 709-9500 WATCHUNG, NEW JERSEY (908) 668-8300	
PROJECT: CUMBERLAND FARMS, INC. PROP. FIRE SUPPRESSION SYSTEM FOR DIESEL ISLANDS 68 ROUTE 9H & NYS RTE 32 TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK	TITLE: PYRO-CHEM, INC. "THE ATTENDANT II" GASOLINE FIRE SUPPRESSION SYSTEM
SCALE: AS NOTED DATE: 04/13/05 DRAWN BY: JAG PROJECT No: B010587 CHECKED BY: SPD CAD L.D. #: B040587s1(diesel)	SHEET No: 16 OF 16 REV. No: 3
PROFESSIONAL ENGINEER MASSACHUSETTS LICENSE No. 36424 NEW HAMPSHIRE LICENSE No. 9308 MAINE LICENSE No. 8408 VERMONT LICENSE No. 7735	PROFESSIONAL ENGINEER MASSACHUSETTS LICENSE No. 36424 NEW HAMPSHIRE LICENSE No. 9308 MAINE LICENSE No. 8408 VERMONT LICENSE No. 7710
CONSTRUCTION CHECK	DATE



TOTAL BUILDING AREA = 4,905 SQ. FT.
NET SALES AREA: 2,323 SQ. FT.

PROPOSED FLOOR PLAN

SCALE: 3/16"=1'-0"

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved.
Date 8/11/05

THIS PLAN HAS BEEN TAKEN FROM PLANS PROVIDED
BY CUMBERLAND FARMS, INC. AND IS NOT INTENDED
FOR CONSTRUCTION PURPOSES.

RECEIVED
AUG 28

Cumberland Farms
777 Dedham 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) 438-8900 776 MOUNTAIN BLVD. WATCHUNG, NEW JERSEY 07060 (908) 668-8300	
PROJECT: CUMBERLAND FARMS, INC. PROP. FOOD STORE & GAS STATION ON ROUTE 9W - NYS RTE 9W & NYS RTE 32 TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK	TITLE: FLOOR PLAN
L.H. BOHLER PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 27410 PENNSYLVANIA LICENSE No. 37184 NEW YORK LICENSE No. 53409 CONNECTICUT LICENSE No. 17518 MASSACHUSETTS LICENSE No. 37025	W.D. OF NEHEBEL PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 27410 PENNSYLVANIA LICENSE No. 37184 NEW YORK LICENSE No. 53409 CONNECTICUT LICENSE No. 17518 MASSACHUSETTS LICENSE No. 37025
DATE: 4/11/05 PROJECT No: b040587 CAD No. b040587p1	SHEET No: 1 OF 4 REV. No: 3

EXTERIOR FINISH SCHEDULE

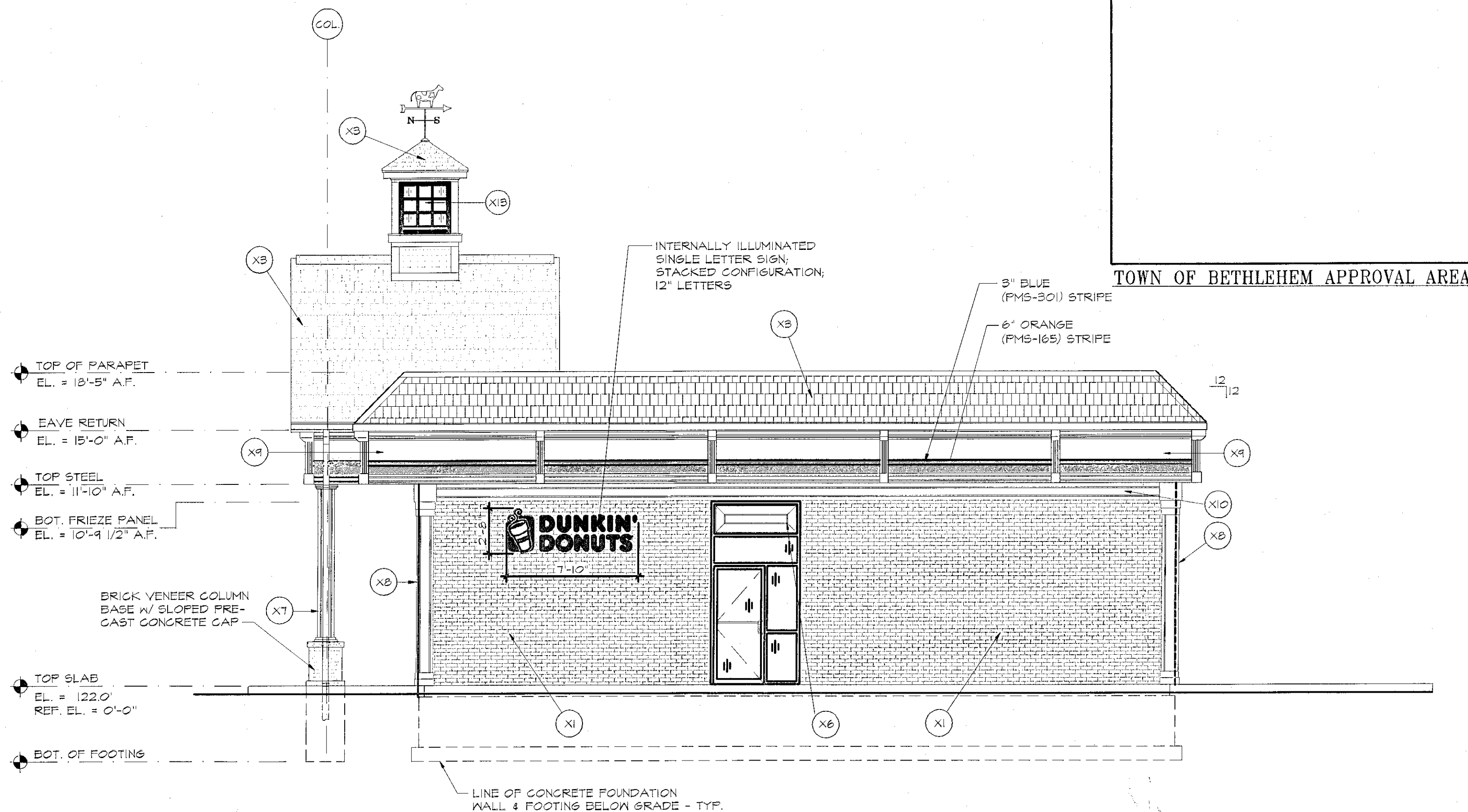
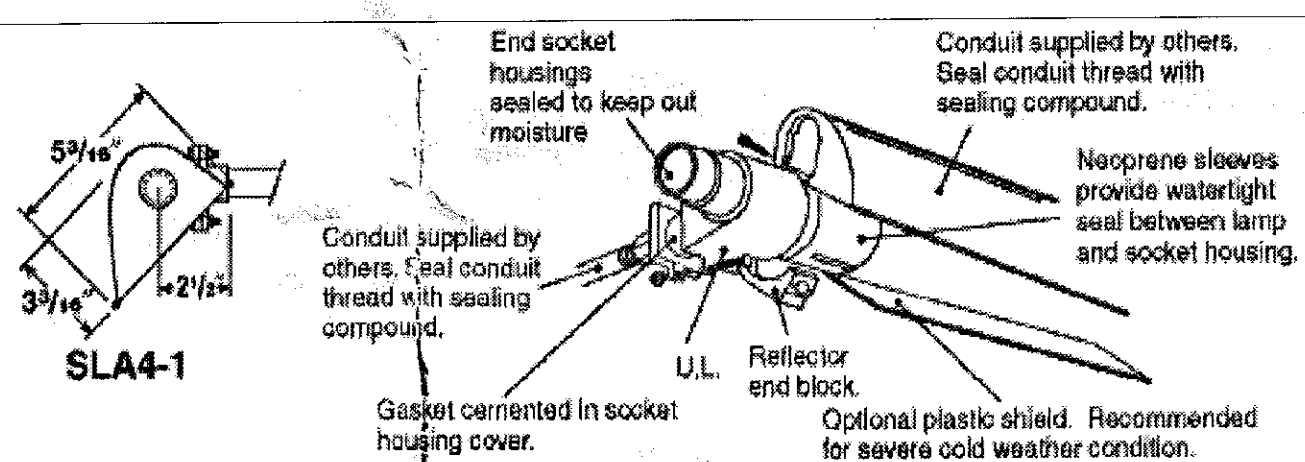
TAG	MATERIAL / ITEM	MANUFACTURER	MODEL NO. / COLOR
(X1)	EXTERIOR BRICK VENEER	SOMERVILLE	#3-619 MSC BURLINGTON
(X2)	ALUMINUM STOREFRONT SYSTEM		2" x 4 1/2" INSULATED - STOCK WHITE PAINTED FINISH
(X3)	ASPHALT ROOF SHINGLES	CERTAINTED CORPORATION	LANDMARK 50 - COLONIAL SLATE
(X4)	INSULATED GLASS		CLEAR; LOW-E
(X5)	HORIZ. SIDING	GEORGIA PACIFIC	HORIZ. VINYL SIDING - 4" EXPOSURE WHITE
(X6)	ARCHITECTURAL RAISED PANEL INSERT	STEELTEC, LLC, 210 PAULDING LANE DALLAS, GA 75012 1-877-226-6741	18 GA. (24 GA. FOR TRIM PARTS), GRADE C5, PRIME, HOT DIPPED GALVANIZED STEEL, ASTM 653, TENSION LEVELED, DEAD FLAT, MINIMUM SPANABLE EXTRA SMOOTH COLOR: STEELTEC NO. 900 "TA WHITE" SUPPLIED AND INSTALLED BY STEELTEC, LLC.
(X7)	METAL COLUMN SHROUD ENCLOSURE		
(X8)	METAL CORNER PILASTER		
(X9)	METAL FASCIA PANEL SYSTEM		
(X10)	METAL FRIEZE BOARD PANEL		
(X11)	FUNCTIONAL HALF ROUND VENTILATION LOUVERS ATTIC VENTILATION FAN		HALF ROUND LOUVER 36" DIA. - OPEN W/ INSECT SCREEN - COLOR: WHITE (2 REQ'D) ATTIC VENTILATION FAN "NUTONE" #SP1200 - 1/4 H.P. (20V - (REFER TO ELECT. DWGS FOR FURTHER INFO.) - (2 REQ'D. @ GABLE ENDS OF MAIN BLDG.)
(X12)	ALUMINUM GUTTER SYSTEM	SEE A7.2 (SECTION 07300)	6" GUTTERS - 5"x4" DOWNSPOUTS - WHITE
(X13)	CUPOLA / WEATHERVANE	CUSTOM FABRICATED	PROVIDED BY G.C. (REFER TO DETAILS ON SHEET A4.4)
(X14)	RAILINGS SYSTEM (VINYL)	CERTAINTED CORPORATION P.O. BOX 860 VALLEY Forge, PA 19482 1-800-233-8440	"EVERNEW" VINYL RAILINGS SYSTEM (XV ALUM. RIBBED RAIL CHANNELS) BALUSTER - SQUARE 1 1/4" x 1 1/4" x 3/4 1/4" - WHITE OXFORD 1" RAIL (8' LENGTH) - WHITE 2 x 4 (8' LENGTH) - WHITE STRUCTURAL NEVEL POST - 4" x 4" x 52" - WHITE NEVEL POST CAP - NEW ENGLAND CAP - WHITE FOR 4" x 4" POST - WHITE SUPPORT PIPES, RAIL PLATES, BZ-SET BRACKETS & ALL FASTENERS AS REQUIRED TO MEET BOCA, SEC AND IBCO GUARDRAIL SPECIFICATIONS.
(X15)	WALL SIGNAGE	CUSTOM FABRICATED	SUPPLIED BY OWNER - INSTALLED IN FIELD BY G.C. - COLOR: FMS #301 SIGN AREA = 93.6 SQ. FT. 13'-0"

SIGN LIGHTING SPECIFICATION:

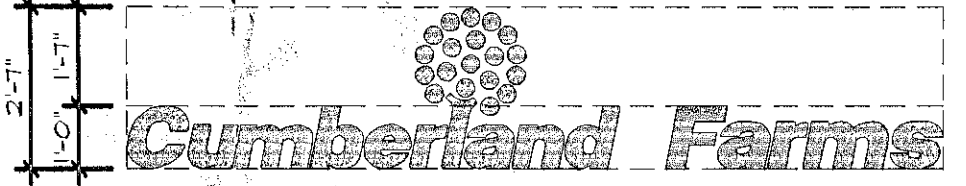
SLA - ASYMMETRIC SIGN LIGHT AS MANUFACTURED BY COLUMBIA LIGHTING 3808 NORTH SULLIVAN ROAD, SPOKANE, WA 99216, TEL: (509) 924-1000 16'-0" LENGTHS AS REQ'D. BY PLANS; COLOR: GLOSS WHITE POLYESTER POWDER COAT; U.L. APPROVED AS BEING RAIN-TIGHT OR WEATHER-PROOF IN NORMAL OUTDOOR USE.

PROVIDE REMOTE MOUNTED BALLAST AND BALLAST BOX AS REQUIRED.

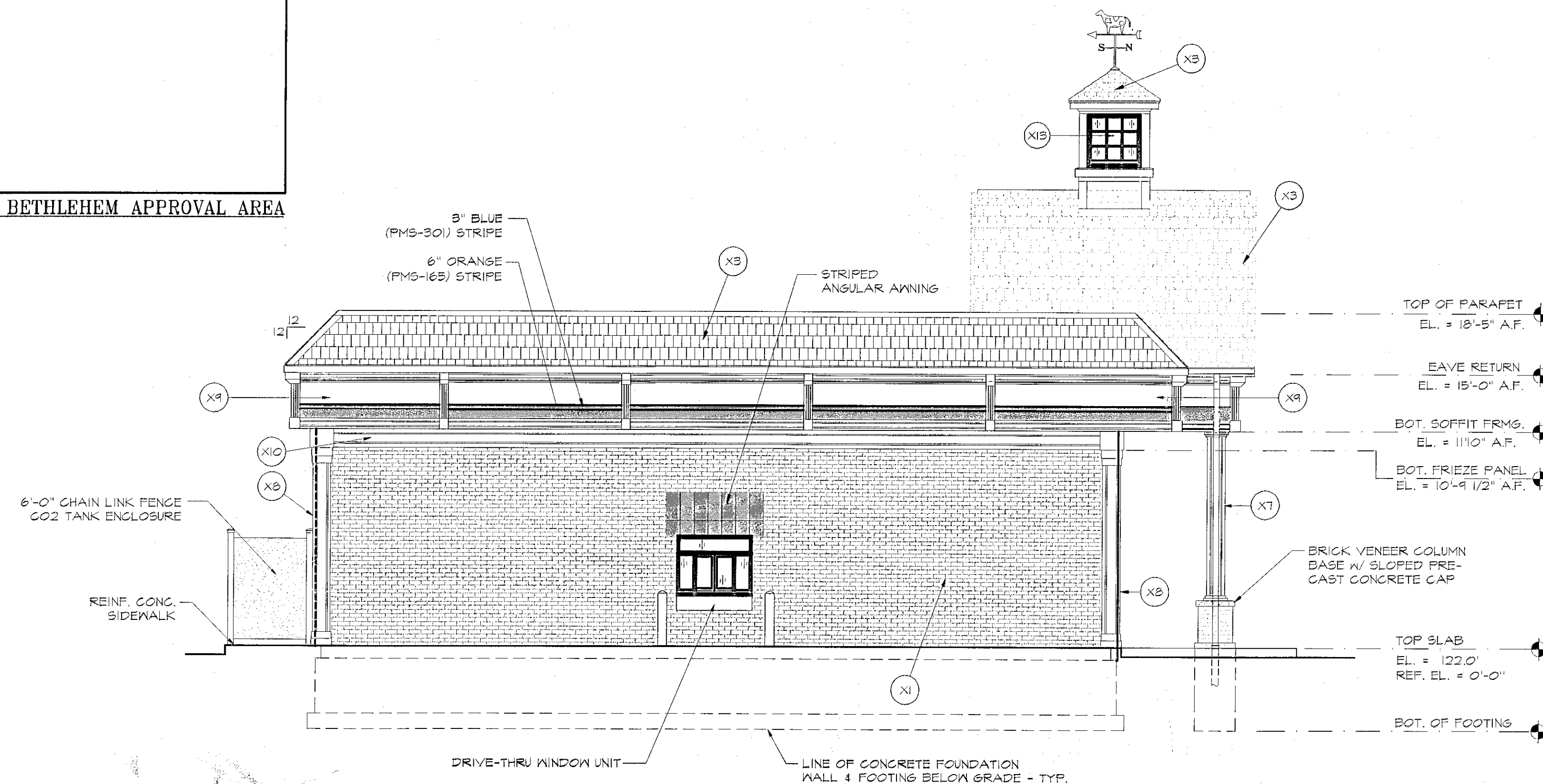
PROVIDE CONDUIT FOR MOUNTING ARMS AS REQUIRED; ARMS TO BE PAINTED TO MATCH LIGHT FIXTURE; CONDUIT THREAD TO BE SEALED WITH SEALING COMPOUND.



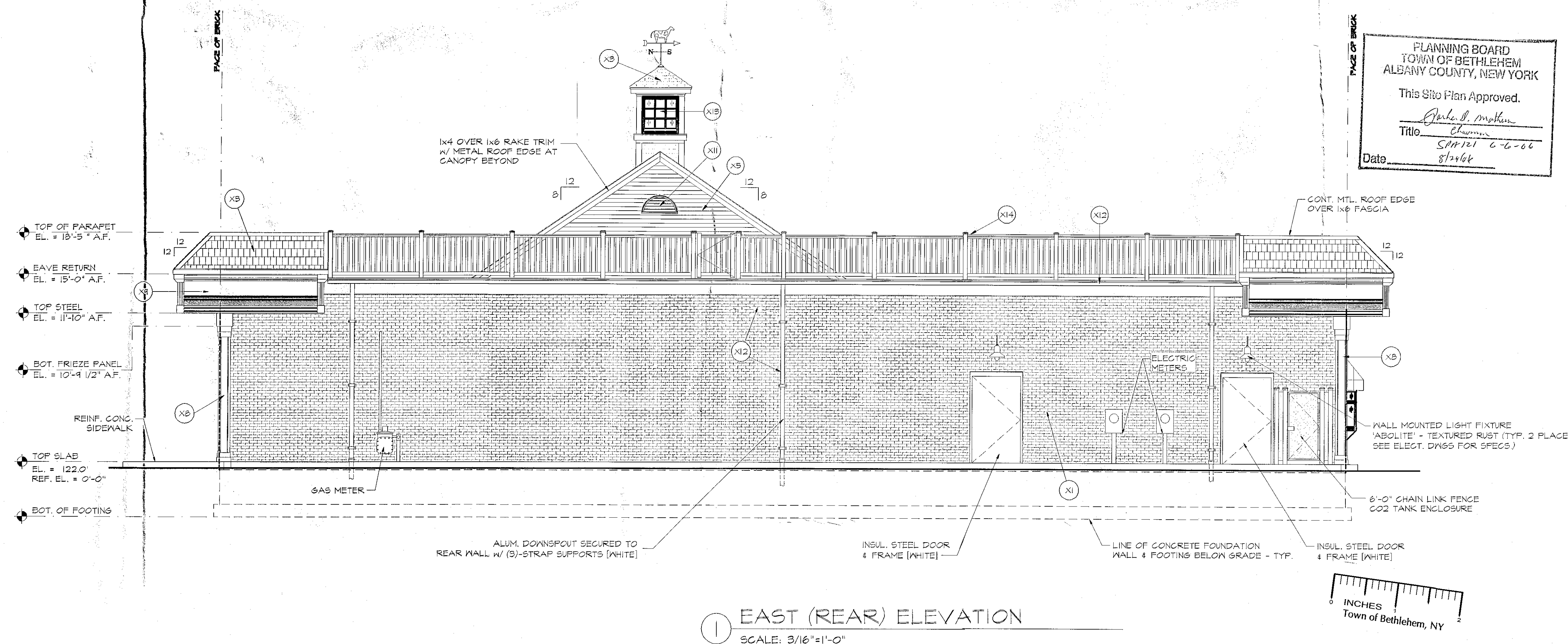
EXTERIOR FINISH SCHEDULE

TAG	MATERIAL / ITEM	MANUFACTURER	MODEL NO. / COLOR
(X1)	EXTERIOR BRICK VENEER	SOMERVILLE	#3-614 MSC BURLINGTON
(X2)	ALUMINUM STOREFRONT SYSTEM		2" x 4 1/2" INSULATED - STOCK WHITE PAINTED FINISH
(X3)	ASPHALT ROOF SHINGLES	CERTAINTED CORPORATION	LANDMARK 50 - COLONIAL SLATE
(X4)	INSULATED GLASS		CLEAR, LOW-E
(X5)	HORIZ. SIDING	GEORGIA PACIFIC	HORIZ. VINYL SIDING - 4" EXPOSURE WHITE
(X6)	ARCHITECTURAL RAISED PANEL INSERT	STEELETEC, LLC, 210 FAULRING LANE DALLAS, GA 75212 1-877-226-6741	18 GA. (24 GA. FOR TRIM PARTS), GRADE 65, PRIME, HOT DIPPED GALVANIZED STEEL, ASTM 659, TENSION LEVELLED, DEAD FLAT, MINIMUM SPANGLER, EXTRA SMOOTH COLOR: STEELTEC NO. 400 "TA WHITE" SUPPLIED AND INSTALLED BY STEELTEC, LLC.
(X7)	METAL COLUMN SHROUD ENCLOSURE		
(X8)	METAL CORNER PILASTER		
(X9)	METAL FASCIA PANEL SYSTEM		
(X10)	METAL FRIEZE BOARD PANEL		
(X11)	FUNCTIONAL HALF ROUND VENTILATION LOUVERS ATTIC VENTILATION FAN		HALF ROUND LOUVER 36" DIA. - OPEN W/ INSECT SCREEN - COLOR: WHITE (2 REQ'D) ATTIC VENTILATION FAN "NUTONE" #6F1200 - 1/4 HP, 120V - (REFER TO ELECT. DWGS FOR FURTHER INFO) - (2 REQ'D, @ GABLE ENDS OF MAIN BLDG.)
(X12)	ALUMINUM GUTTER SYSTEM	SEE AT.2 (SECTION 07300)	6" GUTTERS - 3"x4" DOWNSPOUTS - WHITE
(X13)	CUPOLA / WEATHERVANE	CUSTOM FABRICATED	PROVIDED BY G.G. (REFER TO DETAILS ON SHEET A4.4)
(X14)	RAILING SYSTEM (VINYL)	CERTAINTED CORPORATION P.O. BOX 860 VALLEY Forge, PA 19402 1-800-233-8990	"EVERNEA" VINYL RAILING SYSTEM (W/ ALUM. RIBBED RAIL CHANNELS) BALUSTER - SQUARE 1 1/4" x 1 1/4" x 39 1/4" - WHITE TOP RAIL - OXFORD 1" RAIL (8' LENGTH) - WHITE BOTTOM RAIL - 2" x 4" (8' LENGTH) - WHITE STRUCTURAL NEXEL POST - 4" x 4" x 52" - WHITE NEXEL POST CAP - NEW ENGLAND CAP - WHITE POST BASE TRIM - FOR 4" x 4" POST - WHITE SUPPORT PIPES, RAIL PLATES, EZ-SET BRACKETS & ALL FASTENERS AS REQUIRED TO MEET BOCA, SBC AND IBCO GUARDRAIL SPECIFICATIONS.
(X15)	WALL SIGNAGE	CUSTOM FABRICATED	SUPPLIED BY OWNER - INSTALLED IN FIELD BY G.G. - COLOR: FMS #301 SIGN AREA = 99.6 SQ. FT. 

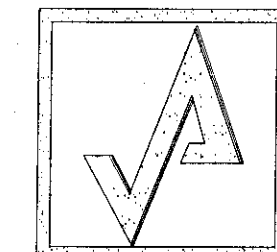
TOWN OF BETHLEHEM APPROVAL AREA



2 NORTH (SIDE) ELEVATION
SCALE: 3/16"=1'-0"



1 EAST (REAR) ELEVATION
SCALE: 3/16"=1'-0"



AHARONIAN
& ASSOCIATES INC.
ARCHITECTS

6 Blackstone Valley Place
Suite 100
Lincoln, Rhode Island
0 2 8 8 5
T 401-333-5010
F 401-334-4057
WWW.ARCH-ENG.COM

KEY PLAN

REVISIONS

NUMBER	REMARKS	DATE

PRELIMINARY
NOT FOR CONSTRUCTION

PRELIMINARY

PROJECT TITLE


777 Dedham Street, Canton, Massachusetts 02021

68 ROUTE 9W
(NYS RTE 9W & NYS RTE 32)
AUG 28 2006
BETHLEHEM, NY

DRAWING TITLE

EXTERIOR ELEVATIONS

DATE SEPT. 13, 2005	PROJ. NO. 0509
DRAWN BY MAD	CHECKED BY CDA

DRAWING NUMBER

A3.2

SHEET: 3 OF 4

NOT FOR CONSTRUCTION - NOT FOR CONSTRUCTION - NOT FOR CONSTRUCTION

SITE DEVELOPMENT PLANS

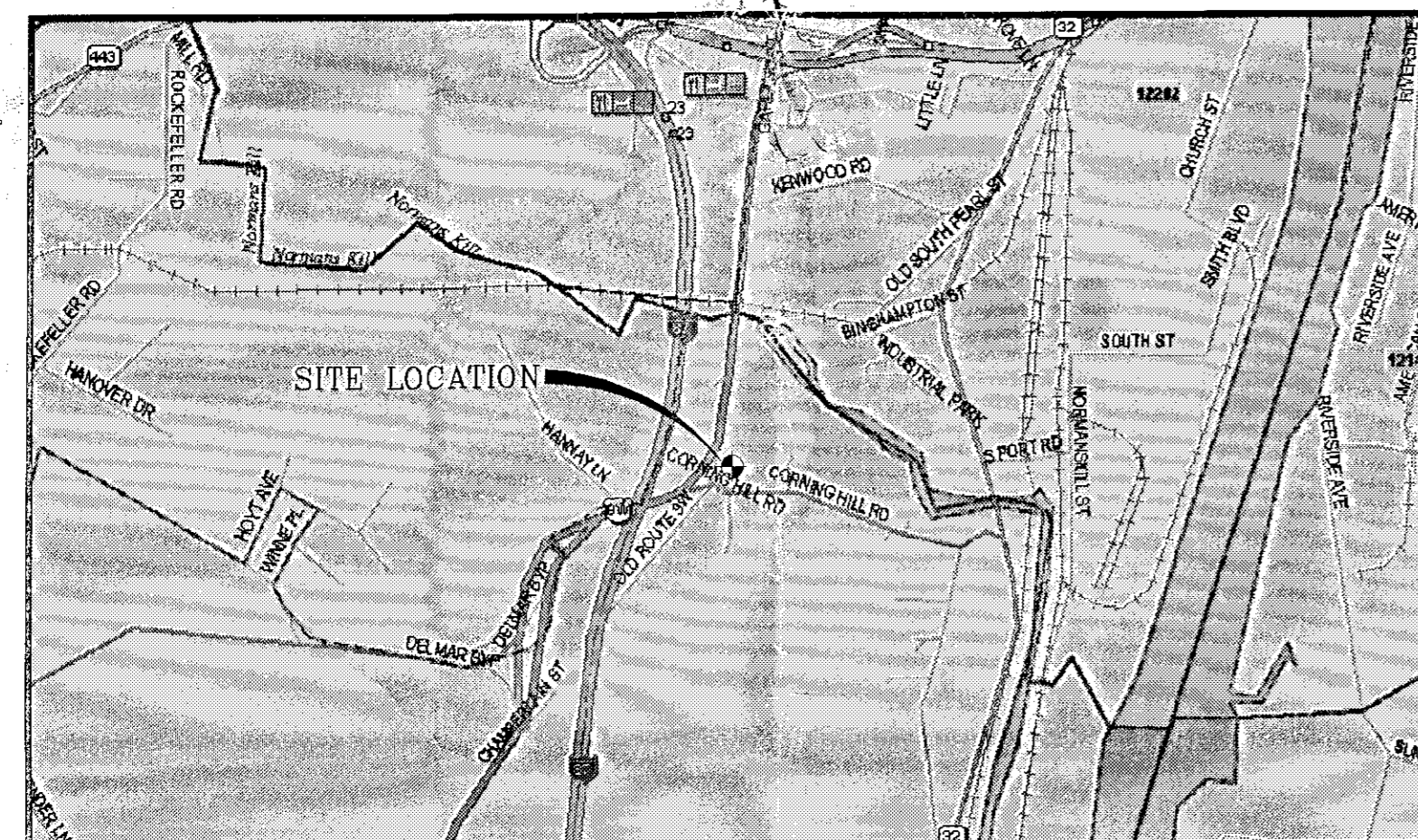
FOR



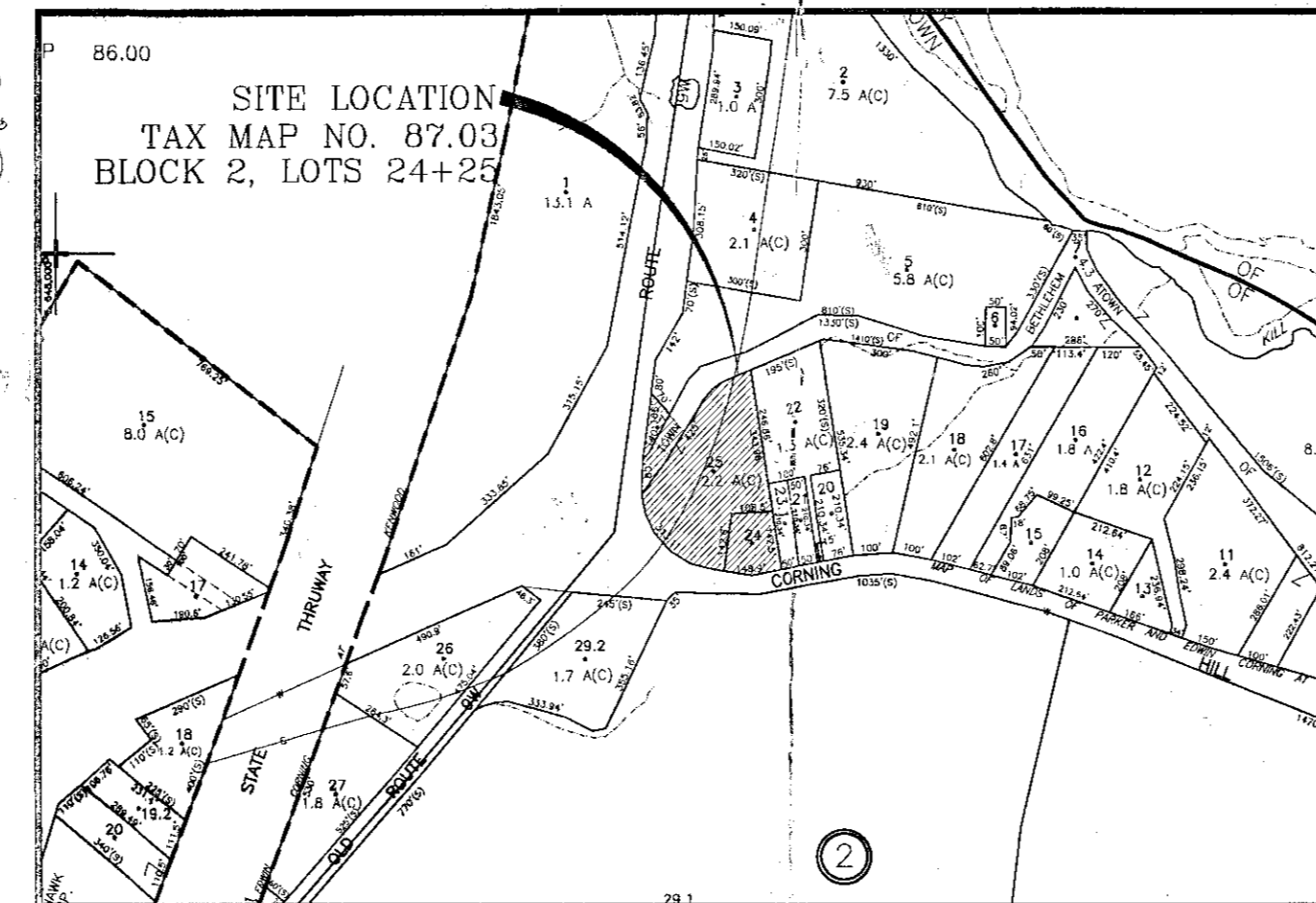
68 ROUTE 9W - NYS ROUTE 9W & NYS ROUTE 32
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

DRAWING INDEX

SHEET DESCRIPTION	SHEET NUMBER	LAST REVISED
COVER SHEET	1 OF 16	8/24/06
SURVEY (BY OTHERS)	2 OF 16	3/10/06
EXISTING CONDITIONS / DEMOLITION PLAN	3 OF 16	8/24/06
SITE PLAN	4 OF 16	8/24/06
GRADING & DRAINAGE PLAN	5 OF 16	8/24/06
UTILITY PLAN	6 OF 16	8/24/06
EROSION CONTROL PLAN	7 OF 16	8/24/06
LANDSCAPING PLAN	8 OF 16	8/24/06
LIGHTING PLAN	9 OF 16	8/24/06
CANOPY & SIGNAGE DETAILS	10 OF 16	3/10/06
DETAILS	11 OF 16	7/17/06
DETAILS	12 OF 16	8/24/06
DETAILS	13 OF 16	7/17/06
TRAFFIC MAINTENANCE & TRUCK TURNING PLAN	14 OF 16	8/24/06
FIRE SUPPRESSION PLAN	15 OF 16	3/10/06
FIRE SUPPRESSION PLAN	16 OF 16	3/10/06
FLOOR PLAN (BY OTHERS)	1 OF 4	3/10/06
BUILDING ELEVATIONS (BY OTHERS)	2 OF 4	3/10/06
BUILDING ELEVATIONS (BY OTHERS)	3 OF 4	3/10/06
EXTERIOR LIGHTING PLAN (BY OTHERS)	4 OF 4	3/10/06

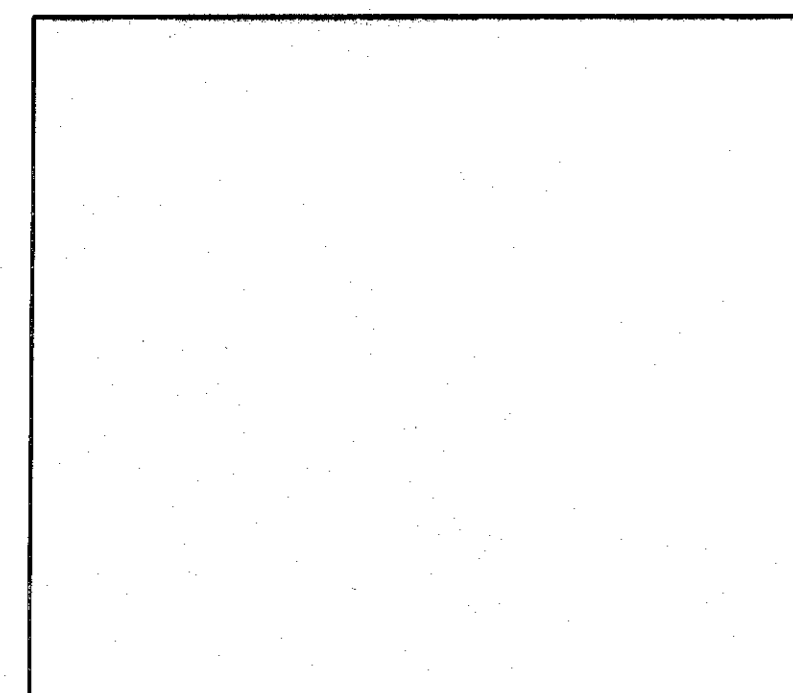
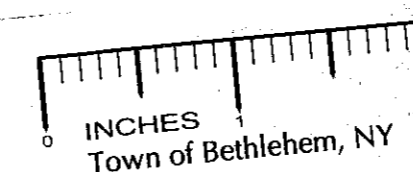


LOCATION MAP
SCALE: N.T.S.



VICINITY MAP
SCALE: N.T.S.

PREPARED BY
BOHLER ENGINEERING, P.C.
5 COMPUTER DRIVE WEST, SUITE 203
ALBANY, NEW YORK 12205
(518) 438-9900



TOWN OF BETHLEHEM APPROVAL AREA

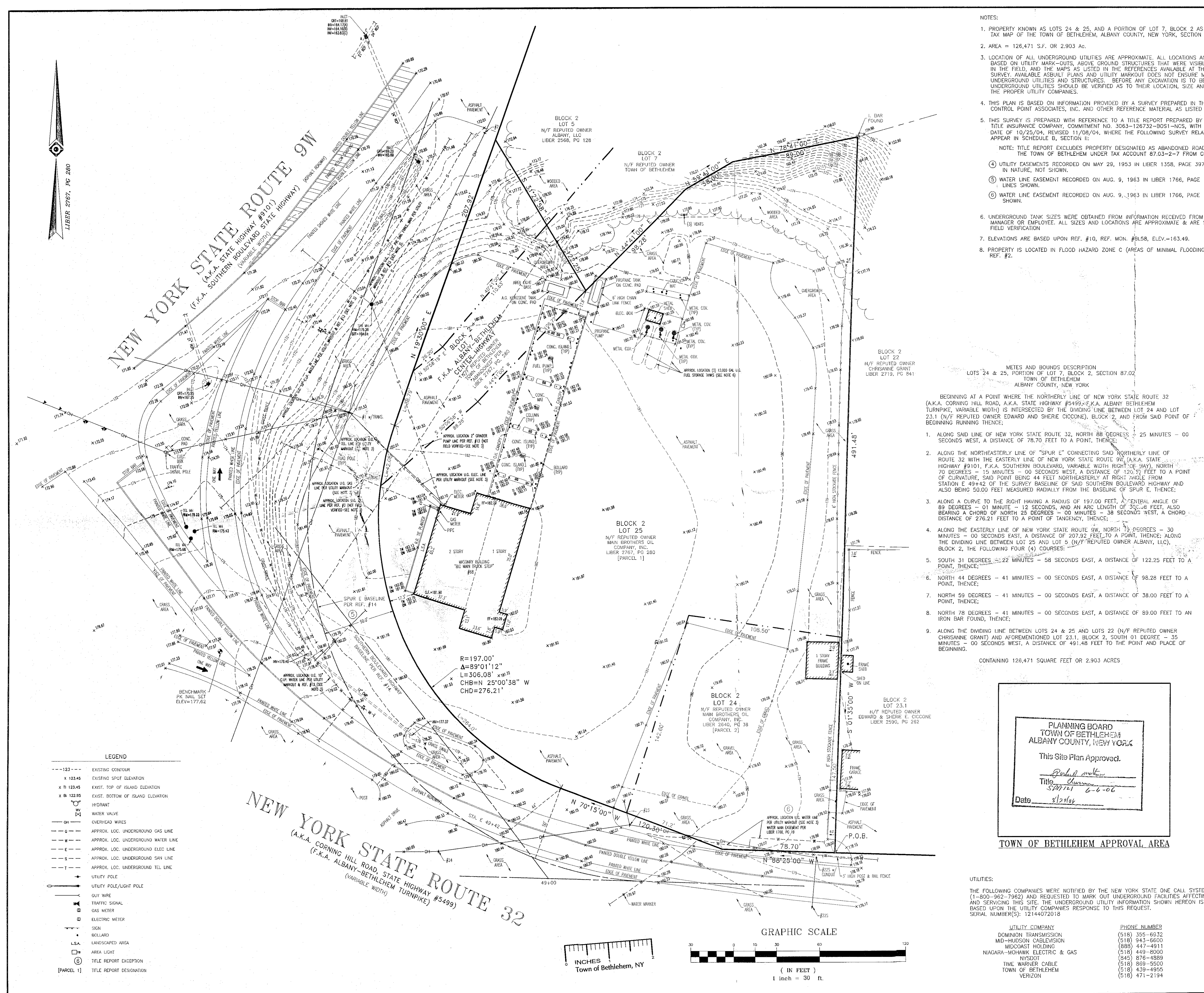
PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
This Site Plan Approved.
[Signature]
Title: *Chairman*
SPA 121 6-6-06
Date: 8/24/06

RECEIVED
AUG 28 2006
PLANNING BOARD
TOWN OF BETHLEHEM

Cumberland Farms
777 Dedham Street Canton, Massachusetts 02021

BOHLER ENGINEERING, P.C. • CIVIL & CONSULTING ENGINEERS • PROJECT MANAGERS • ENVIRONMENTAL & SITE PLANNERS • MUNICIPAL ENGINEERS • 352 TURNPIKE ROAD, SUITE 105 SOUTHSCROUCH, MA 01772 (508) 480-9900 5 COMPUTER DRIVE WEST, SUITE 203 ALBANY, NEW YORK 12205 (518) 438-9900 776 MOUNTAIN BLVD. WATCHUNG, NEW JERSEY 07060 (908) 668-8300	
PROJECT: CUMBERLAND FARMS, INC. PROP. FOOD STORE & GAS STATION 68 ROUTE 9W - NYS RTE 9W & NYS RTE 32 TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK	TITLE: COVER SHEET
L.H. BOHLER PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 27410 PENNSYLVANIA LICENSE No. 37181 NEW YORK LICENSE No. 63409 CONNECTICUT LICENSE No. 17518 MASSACHUSETTS LICENSE No. 37025	W.D. BOEBEL PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 27410 PENNSYLVANIA LICENSE No. 37181 NEW YORK LICENSE No. 63409 CONNECTICUT LICENSE No. 17518 MASSACHUSETTS LICENSE No. 37025
7 8/24/06 REVISED PER TOWN ENGINEERING COMMENTS LRS 6 7/17/06 REVISED PER DPW COMMENTS LRS 5 5/1/06 REVISED PER P&E COMMENTS ALS 4 3/28/06 REVISED PER P&E COMMENTS ALS 3 3/10/06 REVISED PER TOWN COMMENTS LRS 2 9/14/05 REVISED PER CLIENT COMMENTS LRS 1 5/6/05 REVISED PER CLIENT COMMENTS LRS	SCALE: (H) NONE (V) NONE DATE: 4/11/05 DRAWN BY: SMV CHECKED BY: LRS PROJECT No: 6040587 CAD ID: 6040587es0 SHEET No: 1 OF 16 REV. No: 7
CONSTRUCTION CHECK DATE	

SPA 121



- NOTES:
1. PROPERTY KNOWN AS LOTS 24 & 25, AND A PORTION OF LOT 7, BLOCK 2 AS SHOWN ON THE TAX MAP OF THE TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK, SECTION 87.02.
 2. AREA = 126,471 S.F. OR 2.903 AC.
 3. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. ALL LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE AS-BUILT PLANS AND UTILITY MARK-OUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGUN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES.
 4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
 5. THIS SURVEY IS PREPARED WITH REFERENCE TO A TITLE REPORT PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NO. 3063-126732-B051-NCS, WITH AN EFFECTIVE DATE OF 10/25/04, REVISED 11/08/04, WHERE THE FOLLOWING SURVEY RELATED EXCEPTIONS APPEAR IN SCHEDULE B, SECTION II:
NOTE: TITLE REPORT EXCLUDES PROPERTY DESIGNATED AS ABANDONED ROADWAY OWNED BY THE TOWN OF BETHLEHEM UNDER TAX ACCOUNT 87.03-2-7 FROM COVERAGE.
(4) UTILITY EASEMENTS RECORDED ON MAY 29, 1953 IN LIBER 1358, PAGE 397 - BLANKET IN NATURE, NOT SHOWN.
(5) WATER LINE EASEMENT RECORDED ON AUG. 9, 1963 IN LIBER 1766, PAGE 19 - WATER LINES SHOWN.
(6) WATER LINE EASEMENT RECORDED ON AUG. 9, 1963 IN LIBER 1766, PAGE 1 - WATER LINES SHOWN.
 6. UNDERGROUND TANK SIZES WERE OBTAINED FROM INFORMATION RECEIVED FROM STATION MANAGER OR EMPLOYEE. ALL SIZES AND LOCATIONS ARE APPROXIMATE & ARE SUBJECT TO FIELD VERIFICATION.
 7. ELEVATIONS ARE BASED UPON REF. #10, REF. MON. #BL58, ELEV.=163.49.
 8. PROPERTY IS LOCATED IN FLOOD HAZARD ZONE C (AREAS OF MINIMAL FLOODING) PER REF. #2.

P:\surveys\2004\C04384\REFERENCE MAPS\MAP7.tif

VICINITY MAP
©1997 Delorme. Street Atlas USA

- REFERENCES:
1. TAX MAP OF THE TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK, SECTION 87.02.
 2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, TOWN OF BETHLEHEM, NEW YORK, ALBANY COUNTY, PANEL 11 OF 25", COMMUNITY-PANEL NUMBER 361540 0011 B, EFFECTIVE DATE: JUNE 15, 1983.
 3. MAP ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY OF LANDS NOW OR FORMERLY OWNED BY REGINA KAMINSKY, CORNING HILL ROAD, TOWN OF BETHLEHEM, COUNTY OF ALBANY, STATE OF NEW YORK", PREPARED BY: SMITH & MAHONEY, P.C., DATED: FEB. 17, 1987.
 4. MAP ENTITLED "MAP OF LANDS OF PARKER & EDWIN CORNING AT KENWOOD IN THE TOWN OF BETHLEHEM, ALBANY CO., N.Y.", FILED IN THE ALBANY COUNTY CLERK'S OFFICE AS SUBDIVISION MAP #1077.
 5. MAP ENTITLED "STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION OFFICE OF ENGINEERING, REPLACEMENT OF ROUTE 9W BRIDGE OVER NORMANS KILL STATE HIGHWAY 9101 IN ALBANY AND THE TOWN OF BETHLEHEM, ALBANY COUNTY", DATED: MAY 31, 1984, SHEETS #1R1 & 37R1 OF 119, MAP #0251093.
 6. MAP ENTITLED "NEW YORK STATE THRUWAY AUTHORITY PLANS FOR CONSTRUCTING A PORTION OF THE NEW YORK STATE THRUWAY, CATSKILL SECTION - SUBDIVISION 5 (GREENE COUNTY LINE - NORMANSKILL CREEK)", SHEETS 1R, 194R & 195R OF 197.
 7. MAP ENTITLED "STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS, PLANS FOR RECONSTRUCTING A PORTION OF THE RIVER ROAD, COUNTY HIGHWAY NO. 193", DATE APPROVED: JAN. 17, 1933, MAP #1R & 11R OF 11, MAP #RC2308.
 8. MAP ENTITLED "STATE OF NEW YORK DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS, PLANS FOR RECONSTRUCTING A PORTION OF THE SOUTHERN BOULEVARD, STATE HIGHWAY NO. 9101 WITH FEDERAL AID", DATED: 1927, MAP #RC3165, SHEETS #1R, 3R & 4R OF 10.
 9. MAP ENTITLED "STATE OF NEW YORK COMMISSION OF HIGHWAYS, PLANS FOR IMPROVING THE SOUTHERN BOULEVARD, STATE HIGHWAY NO. 9101, DATED: 1913, MAP #RC3165, SHEET #1 & 2.
 10. MAP ENTITLED "STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION, ADDITIONAL PHOTOGRAMMETRY SURVEY, N.Y.S. ROUTES 32 AND 9W, DELMAR BY-PASS, S.H. NO. 81-24, ALBANY COUNTY", DATED: MAY 1998.
 11. MAP ENTITLED "PORTION OF THE ALBANY-BETHLEHEM CENTER S.H. 5499, TO BE ABANDONED BETWEEN STA. 49+85 AND STA. 53+68 BASE LINE STATIONS SURVEY OF 1912, TOWN OF BETHLEHEM, COUNTY OF ALBANY", MAP #R.C. 2308.
 12. MAP ENTITLED "ALBANY-BETHLEHEM CENTER, HIGHWAY NO. 5499, MAP #5-R1, ALBANY COUNTY", DATED: JUNE 21, 1935.
 13. MAP ENTITLED "ROUTE 9W LOW PRESSURE SANITARY SEWER FACILITY EXTENSION FOR ROBERT'S TOWNSHIP", PREPARED BY: THE TOWN OF BETHLEHEM ENGINEERING DIVISION, DATED: 4-15-99.
 14. MAP ENTITLED "STATE OF NEW YORK DEPARTMENT OF HIGHWAYS, LAND TO BE ACQUIRED FOR THE SOUTHERN BOULEVARD FROM EDWARD MURPHY REPUTED OWNER, MAP NO. 1", DATED: JAN. 23, 1914.

METES AND BOUNDS DESCRIPTION
LOTS 24 & 25, PORTION OF LOT 7, BLOCK 2, SECTION 87.02
TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK

BEGINNING AT A POINT WHERE THE NORTHERLY LINE OF NEW YORK STATE ROUTE 32 (A.K.A. CORNING HILL ROAD, STATE HIGHWAY #5499) IS INTERSECTED BY THE DIVIDING LINE BETWEEN LOT 24 AND LOT 23.1 (N/F REPUTED OWNER EDWARD AND SHERIE CICCONI), BLOCK 2, AND FROM SAID POINT OF BEGINNING RUNNING THENCE:

1. ALONG SAID LINE OF NEW YORK STATE ROUTE 32, NORTH 88 DEGREES - 25 MINUTES - 00 SECONDS WEST, A DISTANCE OF 78.70 FEET TO A POINT, THENCE;
2. ALONG THE NORTHEASTERLY LINE OF "SPUR E" CONNECTING SAID NORTHERLY LINE OF ROUTE 32 WITH THE EASTERLY LINE OF NEW YORK STATE ROUTE 9W (A.K.A. STATE HIGHWAY #9101, F.K.A. SOUTHERN BOULEVARD, VARIABLE WIDTH RIGHT-OF-WAY), NORTH 70 DEGREES - 15 MINUTES - 00 SECONDS WEST, A DISTANCE OF 120.30 FEET TO A POINT OF CURVATURE, SAID POINT BEING 44 FEET NORTHEASTERLY AT RIGHT ANGLE FROM STATION E 49+42 OF THE SURVEY BASELINE OF SAID SOUTHERN BOULEVARD HIGHWAY AND ALSO BEING 50.00 FEET MEASURED RADIIALLY FROM THE BASELINE OF SPUR E, THENCE;
3. ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 197.00 FEET, A CENTRAL ANGLE OF 89 DEGREES - 01 MINUTE - 12 SECONDS, AND AN ARC LENGTH OF 306.08 FEET, ALSO BEARING A CHORD OF NORTH 25 DEGREES - 00 MINUTES - 38 SECONDS WEST, A CHORD DISTANCE OF 276.21 FEET TO A POINT OF TANGENCY, THENCE;
4. ALONG THE EASTERLY LINE OF NEW YORK STATE ROUTE 9W, NORTH 73 DEGREES - 30 MINUTES - 00 SECONDS EAST, A DISTANCE OF 207.92 FEET TO A POINT, THENCE; ALONG THE DIVIDING LINE BETWEEN LOT 25 AND LOT 5 (N/F REPUTED OWNER ALBANY, LLC), BLOCK 2, THE FOLLOWING FOUR (4) COURSES:
5. SOUTH 31 DEGREES - 22 MINUTES - 58 SECONDS EAST, A DISTANCE OF 122.25 FEET TO A POINT, THENCE;
6. NORTH 44 DEGREES - 41 MINUTES - 00 SECONDS EAST, A DISTANCE OF 98.28 FEET TO A POINT, THENCE;
7. NORTH 59 DEGREES - 41 MINUTES - 00 SECONDS EAST, A DISTANCE OF 38.00 FEET TO A POINT, THENCE;
8. NORTH 78 DEGREES - 41 MINUTES - 00 SECONDS EAST, A DISTANCE OF 89.00 FEET TO AN IRON BAR FOUND, THENCE;
9. ALONG THE DIVIDING LINE BETWEEN LOTS 24 & 25 AND LOTS 22 (N/F REPUTED OWNER CHRISTIANNE GRANT) AND AFOREMENTIONED LOT 23.1, BLOCK 2, SOUTH 01 DEGREE - 35 MINUTES - 00 SECONDS WEST, A DISTANCE OF 491.48 FEET TO THE POINT AND PLACE OF BEGINNING.

CONTAINING 126,471 SQUARE FEET OR 2.903 ACRES

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

This Site Plan Approved.

Robert M. Gallas
Title: Surveyor
Date: 8/21/06

TOWN OF BETHLEHEM APPROVAL AREA

2	TOWN APPROVAL BOX ADDED	SMV	RJS	03-10-08
1	REVISE WITH UPDATED TITLE	W.P.H.	J.D.B.	02-18-05
No.	DESCRIPTION OF REVISION	DRAWN:	APPROVED:	DATE
TO: CUMBERLAND FARMS, INC. FIRST AMERICAN TITLE INSURANCE COMPANY OF NEW YORK				
THIS MAP OR PLAN AND THE SURVEY ON WHICH IT IS BASED WERE MADE (1) IN ACCORDANCE WITH "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS" JOINTLY ESTABLISHED AND ADOPTED BY ALTA, ACSM AND NSPS IN 1999, AND INCLUDING ITEMS 2,3,4,5,7,8,9,10,11(a) & 13 OF TABLE A THEREOF, PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA, NSPS, AND ACSM AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, THE UNDERSIGNED FURTHER CERTIFIES THAT POSITIONAL UNCERTAINTIES RESULTING FROM THE SURVEY MEASUREMENTS MADE ON THE SURVEY DO NOT EXCEED THE ALLOWABLE POSITIONAL TOLERANCE.				
UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.				
ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES. CERTIFICATIONS INDICATED HEREON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYORS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. SAID CERTIFICATIONS SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON THE BEHALF OF THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS.				
NOT VALID UNTIL SEALED BY: TOWN OF BETHLEHEM DATE				
GREGORY S. GALLAS NEW YORK PROFESSIONAL LAND SURVEYOR #50124				
FIELD DATE	12-21-04			
FIELD BOOK NO.	04-34			
FIELD BOOK PG.	99-106			
DATE	1-04-2005	SCALE	1"=30'	FILE NO.
W.P.H.				C04384
APPROVED:	J.D.B.			
DRAWN:		V.R.M.		
REVIEWED:		W.P.H.		
DATE		1-04-2005		
SCALE		1"=30'		
FILE NO.		C04384		
DWG. NO.		2 OF 16		

ALTA/ACSM
LAND TITLE SURVEY

68 NEW YORK STATE ROUTE 9W
LOTS 24 & 25, PORTION OF LOT 7, BLOCK 2
SECTION 87.02
TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK

CONTROL POINT ASSOCIATES, INC.
776 MOUNTAIN BOULEVARD
WATCHUNG, NJ 07099
908.668.0099 - 908.668.9995 FAX

NEW BRITAIN CORPORATE CENTER
1600 MAJOR DRIVE, SUITE 100
CHAPEL HILL, NC 27514
215.412.2055 - 215.412.0881 FAX