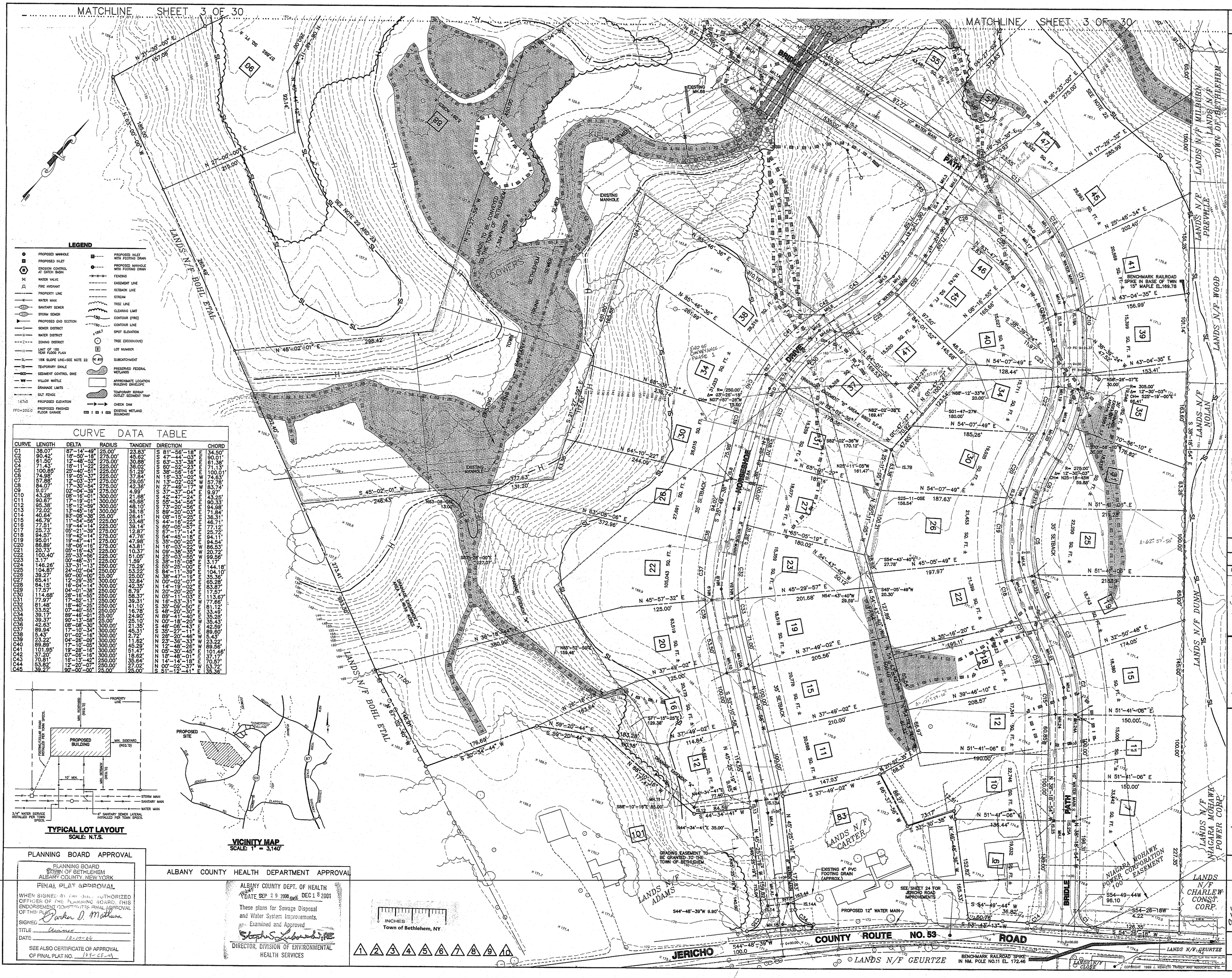

LEGEND

- PROPOSED MANHOLE
- PROPOSED INLET
- EROSION CONTROL AT CATCH BASIN
- WATER VALVE
- FIRE HYDRANT
- PROPERTY LINE
- WATER MAIN
- SANITARY SEWER
- STORM SEWER
- PROPOSED END SECTION
- SEWER DISTRICT
- WATER DISTRICT
- ZONING DISTRICT
- LIMIT OF 100 YEAR FLOOD PLAIN
- 15% SLOPE LINE-SEE NOTE 22
- TEMPORARY SWALE
- SEDIMENT CONTROL DIKE
- WILLOW WATTLE
- DRAINAGE LIMITS
- SILT FENCE
- 167x5 PROPOSED ELEVATION
- FFC=200.0 PROPOSED FINISHED FLOOR GARAGE
- PROPOSED INLET WITH FOOTING DRAIN
- PROPOSED MANHOLE WITH FOOTING DRAIN
- FENCING
- EASEMENT LINE
- SETBACK LINE
- STREAM
- TREE LINE
- CLEARING LIMIT
- 150 CONTOUR (PRO)
- 150 CONTOUR LINE
- 156.7 SPOT ELEVATION
- TREE (DEDIDUOUS)
- 2 LOT NUMBER
- 10 (0.8ac) SUBCATCHMENT
- PRESERVED FEDERAL WETLANDS
- APPROXIMATE LOCATION BUILDING ENVELOPE
- TEMPORARY REPAIR OUTLET SEDIMENT TRAP
- CHECK DAM
- EXISTING WETLAND BOUNDARY

CURVE DATA TABLE

CURVE	LENGTH	DELTA	RADIUS	TANGENT	DIRECTION	CHORD
C1	38.07'	87°-14'-49"	25.00'	23.83'	S 81°-56'-18" E	34.50'
C2	90.42'	18°-50'-18"	275.00'	45.62'	S 47°-44'-03" E	90.01'
C3	61.50'	12°-48'-52"	275.00'	30.88'	S 63°-33'-38" E	61.36'
C4	71.43'	18°-11'-22"	225.00'	36.02'	S 60°-52'-23" E	71.13'
C5	100.85'	25°-40'-51"	225.00'	51.29'	S 38°-56'-16" E	100.01'
C6	74.98'	19°-05'-37"	225.00'	37.84'	N 16°-33'-02" W	74.63'
C7	57.88'	12°-03'-37"	275.00'	29.05'	N 13°-02'-02" W	57.78'
C8	84.07'	17°-30'-54"	275.00'	42.36'	N 37°-49'-17" W	83.74'
C9	9.97'	02°-04'-39"	275.00'	4.99'	N 37°-37'-04" E	9.97'
C10	43.28'	08°-16'-01"	300.00'	21.68'	S 42°-47'-24" E	43.25'
C11	90.67'	17°-19'-01"	300.00'	45.68'	S 55°-34'-05" E	90.33'
C12	95.38'	18°-12'-59"	300.00'	48.10'	S 73°-20'-56" E	94.98'
C13	72.02'	13°-45'-16"	300.00'	36.18'	S 69°-20'-03" E	71.84'
C14	40.64'	93°-08'-38"	25.00'	26.41'	N 08°-15'-25" W	36.31'
C15	46.79'	11°-54'-56"	225.00'	23.48'	S 44°-16'-22" E	46.71'
C16	77.51'	19°-44'-14"	225.00'	39.14'	S 60°-05'-57" E	77.12'
C17	25.73'	05°-21'-39"	275.00'	12.87'	S 67°-17'-14" E	25.72'
C18	94.57'	19°-42'-14"	275.00'	47.76'	S 54°-45'-18" E	94.11'
C19	95.01'	19°-47'-41"	275.00'	47.98'	S 35°-00'-20" E	94.54'
C20	86.89'	18°-06'-16"	275.00'	43.81'	N 16°-03'-22" W	86.53'
C21	20.73'	05°-15'-43"	225.00'	10.37'	N 09°-38'-35" W	20.72'
C22	100.40'	25°-33'-56"	225.00'	51.05'	N 25°-03'-55" W	99.58'
C23	3.17'	00°-48'-31"	225.00'	1.59'	S 38°-15'-08" E	3.17'
C24	146.26'	33°-31'-13"	250.00'	75.29'	S 55°-25'-00" E	144.18'
C25	104.87'	24°-02'-04"	250.00'	53.22'	S 84°-11'-39" E	104.10'
C26	39.27'	90°-00'-00"	25.00'	25.00'	N 38°-47'-19" E	35.36'
C27	65.41'	12°-29'-35"	300.00'	32.84'	N 00°-02'-07" E	65.28'
C28	84.15'	16°-04'-14"	300.00'	42.35'	N 14°-19'-02" E	83.87'
C29	17.57'	04°-01'-38"	250.00'	8.79'	N 20°-20'-20" E	17.57'
C30	114.68'	26°-16'-55"	250.00'	58.37'	N 05°-11'-03" E	113.67'
C31	77.97'	17°-52'-13"	250.00'	39.31'	N 16°-53'-31" W	77.66'
C32	81.48'	18°-40'-26"	250.00'	41.10'	N 35°-09'-50" W	81.12'
C33	33.52'	07°-40'-55"	250.00'	16.78'	S 48°-20'-30" E	33.48'
C34	39.17'	89°-46'-01"	25.00'	24.90'	N 89°-41'-40" E	35.28'
C35	39.37'	90°-13'-58"	25.00'	25.10'	N 00°-18'-50" W	35.43'
C36	42.63'	08°-08'-30"	300.00'	21.35'	S 46°-06'-43" E	42.59'
C37	89.94'	17°-10'-34"	300.00'	45.31'	S 35°-27'-11" E	89.60'
C38	5.43'	01°-02'-16"	300.00'	2.72'	N 26°-20'-46" W	5.43'
C39	23.22'	04°-26'-09"	300.00'	11.62'	N 23°-36'-33" W	23.22'
C40	89.89'	17°-10'-08"	300.00'	45.28'	N 17°-49'-23" W	89.56'
C41	101.95'	19°-28'-16"	300.00'	51.47'	N 05°-30'-45" E	101.46'
C42	37.20'	07°-06'-16"	300.00'	18.62'	N 18°-48'-01" E	37.17'
C43	70.81'	16°-12'-42"	250.00'	35.64'	N 14°-14'-18" E	70.57'
C44	53.82'	12°-20'-07"	250.00'	27.02'	N 00°-02'-37" W	53.72'
C45	39.27'	90°-00'-00"	25.00'	25.00'	N 51°-12'-41" E	35.36'

TYPICAL LOT LAYOUT
SCALE: N.T.S.

VICINITY MAP
SCALE: 1" = 3,140'

PLANNING BOARD APPROVAL

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK

FINAL PLAT APPROVAL

WHEN SIGNED BY THE DULY AUTHORIZED OFFICER OF THE PLANNING BOARD, THIS ENDORSEMENT CONSTITUTES FINAL APPROVAL OF THIS PLAT.

SIGNED Parker D. Mathun
TITLE Chairman
DATE 10-17-06

SEE ALSO CERTIFICATE OF APPROVAL OF FINAL PLAT NO. 99-CE-M

ALBANY COUNTY HEALTH DEPARTMENT APPROVAL

ALBANY COUNTY DEPT. OF HEALTH
DATE SEP 29 2006 and DEC 18 2001

These plans for Sewage Disposal and Water System Improvements, Examined and Approved

DIRECTOR, DIVISION OF ENVIRONMENTAL HEALTH SERVICES

GENERAL NOTES

1. ALL UTILITIES TO BE INSTALLED IN ACCORDANCE WITH TOWN DETAILS AND SPECIFICATIONS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A SET OF THESE MATERIALS FOR USE ON THE JOB.
2. ALL ELEVATIONS SHOWN ARE USGS ELEVATION BASE.
3. PRIOR TO ANY WORK ON SANITARY SEWER AND WATER MAIN, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FROM THE TOWN DEPARTMENT OF PUBLIC WORKS.
4. PRIOR TO ANY WORK IN THE JERICHO ROAD RIGHT-OF-WAY THE CONTRACTOR SHALL OBTAIN A HIGHWAY WORK PERMIT FROM ALBANY COUNTY HIGHWAY DEPARTMENT.
5. 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 UNTIL AREAS SHOWN ON THESE PLANS AS CONTROLLED FILL AREAS UNTIL THE CERTIFYING SOILS ENGINEER HAS BEEN CONSULTED.
6. LOT NUMBERS SHOWN ARE TO BE USED AS HOUSE OR STREET NUMBERS.
7. ALL PROPOSED EASEMENTS AND ROADS SHOWN ARE TO BE GRANTED TO THE TOWN OF BETHLEHEM.
8. ALL LOTS SHOWN ARE SUBJECT TO THE RESERVATION OF AN EASEMENT 10 FEET IN WIDTH ADJACENT TO ALL STREET LINES FOR ELECTRIC AND COMMUNICATIONS SERVICES.
9. ALL CONSTRUCTION DISTURBANCES ON STATE, COUNTY, TOWN, AND PRIVATE LANDS TO BE RESTORED BY CONTRACTOR.
10. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING AND COORDINATING WITH ALL RESPECTIVE UTILITIES PRIOR TO EXCAVATION. CONTRACTOR IS ALSO RESPONSIBLE FOR DETERMINING EXACT LOCATION AND DEPTH OF ALL UTILITIES BEFORE ENGRADING.
11. TOPOGRAPHY SHOWN HEREON WAS DERIVED FROM AERIAL PHOTOGRAPHY PREPARED BY LOCKWOOD MAPPING, INC., ROCHESTER, N.Y.
12. NO FOOTING DRAIN OR CELLAR DRAIN SHALL BE CONNECTED TO THE SANITARY SEWER FACILITIES.
13. A MINIMUM OF 18 INCHES VERTICAL SEPARATION BETWEEN INVERT OF WATERLINE AND CROWN OF SANITARY SEWER LINE SHALL BE MAINTAINED AT ALL CROSSINGS. HORIZONTAL SEPARATION 10' MINIMUM.
14. AT STORM SEWER CROSSINGS BY WATER MAIN 18" MINIMUM CLEARANCE SHALL BE MAINTAINED WHETHER UNDER OR OVER STORM SEWER.
15. WATER MAIN JOINTS TO BE LOCATED EQUAL DISTANCE FROM SANITARY OR STORM SEWER CROSSINGS.
16. ON ALL LOTS HAVING AREAS DESIGNATED AS FEDERALLY REGULATED WETLANDS, THE TOWN OR ENGINEER HAS NO CONTROL OVER AND ACCEPTS NO RESPONSIBILITY FOR ANY PROBLEMS THAT MAY ARISE FROM DEVELOPMENT IN THESE AREAS, WHETHER SUCH PROBLEMS ARE THE RESULT OF LOCKING THE AREAS AS THEY PRESENTLY EXIST OR THE RESULT OF FUTURE LOT OWNERS FILING IN AND AROUND THE AREAS WITHOUT REGARD FOR LOCAL DRAINAGE PATTERNS.
17. FOR LOTS HAVING FEDERALLY REGULATED WETLANDS, SUCH WETLAND WILL BE SHOWN ON PLOT PLANS SUBMITTED TO THE TOWN BUILDING DEPARTMENT FOR PURPOSES OF OBTAINING A BUILDING PERMIT.
18. IN THE EVENT THAT GAS IS EXTENDED TO THE SITE, DESIGN WILL BE COMPLETED BY NIAGARA MOHAWK POWER CORPORATION.
19. SITE STATISTICS:

TOTAL SURVEYED AREA	66.884 ACRES
TAX MAP NO.	109.00-2-28.1
TOTAL LOTS	85
ZONING:	"RA" RESIDENTIAL ZONE
WATER DISTRICT:	012AQ
SEWER DISTRICT:	SN202 BETHLEHEM SEWER-EXT. 8,9,29
FIRE DISTRICT:	201
LINEAR FEET OF STREET:	
TROTTER:	1,198'±
BRIDLE:	3,476'±
HORSESHOE:	1,292'±
MORGAN:	275'±
TROTTER (CIRCLE):	530'±
TOTAL:	6,771 LF. TOTAL

20. OWNER-DEVELOPER: CHARLEW CONSTRUCTION CORP. 120 PROCESSING PLAZA SCHENECTADY, NY 12306
21. FOR LIMITS OF FEDERAL WETLANDS SEE MAP REFERENCES 1 AND 2.
22. NO BUILDINGS OR PORTIONS OF FOUNDATIONS SHALL BE LOCATED ON THE DOWNHILL SIDE OF THE "DL" LINE OR WITHIN 30 FEET OF THE "DL" LINE AS SHOWN ON THE PLOT PLANS SUBMITTED TO THE TOWN BUILDING DEPT. ACCEPTABLE SITE-SPECIFIC SOILS AND GEOLOGICAL REPORTS PRIOR TO ISSUANCE OF THE BUILDING PERMIT FOR THAT LOT, LOTS IDENTIFIED AS LIKELY REQUIRING A SOILS REPORT: 12, 16, 28, 30, 34 HORSESHOE DRIVE; 47, 51, 88, 90 BRIDLE PATH; 10 MORGAN ROAD; 34, 42 TROTTER ROAD. LOTS 12 HORSESHOE DRIVE AND 34 TROTTER ROAD SHALL HAVE WALK-OUT BASEMENTS. PROPOSED BUILDING ENVELOPES AND DRIVEWAYS ARE CONCEPTUAL FINAL LOCATIONS OF DRIVEWAYS AND BUILDINGS ARE TO BE DETERMINED BY SITE SUPERINTENDENT.
23. DRIVEWAYS OVER 100 FEET LONG
    ALL RESIDENTIAL DRIVEWAYS OVER 100 FEET LONG ARE SUBJECT TO THE FOLLOWING REQUIREMENTS:
    A. DRIVEWAY CONSTRUCTION:
    1. DRIVEWAY WIDTH TO BE 12 FEET MINIMUM.
    2. ALL TURNS IN THE DRIVEWAY HAVE RADII TO ACCOMMODATE TURNING RADIUS OF EMERGENCY VEHICLES, OR WIDENED WIDTHS TO ACCOMMODATE SUCH VEHICLES.
    3. DRIVEWAY GRADES NOT TO EXCEED 10%.
    4. DRIVEWAY CONSTRUCTION IS IN ACCORDANCE WITH TOWN HIGHWAY SPECIFICATIONS WITH THE ASPHALT SURFACE OPTIONAL CONSTRUCTION PROVIDES ADEQUATE LOAD LOADING FOR THE SOIL CONDITIONS PRESENT.
    5. ADEQUATELY DESIGNED DRIVEWAY CULVERTS ARE INSTALLED IN ALL DRIVEWAYS TO ACCOMMODATE LOCAL DRAINAGE PATTERNS.
    B. WATER METER PIT
    A WATER METER PIT IS INSTALLED ADJACENT TO AND OUTSIDE OF THE PUBLIC ROAD RIGHT-OF-WAY ON ALL LOTS HAVING DRIVEWAYS LONGER THAN 200 FEET. THE LOCATION FOR EACH PIT AND A STANDARD DETAIL IS SHOWN ON THE PLANS. (ALL WATER METERS ARE RADIO READ METERS, AND ARE PURCHASED AND INSTALLED BY THE TOWN WATER DEPARTMENT. THE METER PIT IS INSTALLED BY THE PROJECT OWNER.)
    C. CLEANOUTS FOR SANITARY SEWER LATERALS
    100 FEET IS THE MAXIMUM DISTANCE BETWEEN CLEANOUTS.
    D. HOUSE NUMBER SIGNS
    A PLACARD IDENTIFYING THE HOUSE NUMBER OF THE RESIDENCE IN FOUR-INCH MINIMUM SIZE NUMERALS IS INSTALLED AT THE PUBLIC ROAD RIGHT-OF-WAY LINE.
24. ALL PROPOSED SANITARY SEWERS WILL BE 8" DIA.
25. A LANDSCAPE PLAN FOR SCREENING ALONG LANDS N/F OF ADAMS IS SHOWN ON SHEET 24.
26. NO DRIVEWAYS SHALL BE LOCATED ON JERICHO ROAD NOR CROSS OVER. CATCH BASIN.
27. SUBDIVISION IS LOCATED WITHIN MUNICIPAL WATER AND SANITARY SEWER DISTRICTS.

MAP REFERENCES:

1. "FEDERAL WATERS OF THE UNITED STATES OF AMERICA SECTIONS 1 AND 2, CARRIAGE HILL PROPERTY OF CARRIAGE HILL DEVELOPMENT CORPORATION," PREPARED BY EDWARD W. BOUTELLE AND SON, A DIVISION OF J. KENNETH FRASER AND ASSOCIATES, PE, LS, LA, P.C., DATED OCTOBER 27,1992, LAST REVISED JANUARY 10, 1994.
2. "WETLAND SURVEY OF LANDS OF "CARRIAGE HILL" PROPERTY OF CARRIAGE HILL DEVELOPMENT CORPORATION FEDERAL WATERS OF THE UNITED STATES OF AMERICA", PREPARED BY EDWARD W. BOUTELLE AND SON, A DIVISION OF J. KENNETH FRASER AND ASSOCIATES, PE, LS, LA, P.C., DATED MARCH 30, 1995, LAST REVISED APRIL 4, 1995.

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

REVISIONS

DATE	BY	DESCRIPTION	SYMBOL
6/99	CHJ	FINAL PLAN REVISIONS	4
10/99	CHJ	FINAL PLAN REVISIONS	3
5/00	CHJ	FINAL PLAN REVISIONS	2
12/00	CHJ	FINAL PLAN REVISIONS	1
1/28/01	CHJ	FINAL PLAN REVISIONS	4
7/01	CHJ	FINAL PLAN REVISIONS	3
10/04	CHJ	FINAL PLAN REVISIONS	2
9/05	CHJ	LOT LINE CHANGES	1
1/06	CHJ	MISCELLANEOUS REVISIONS	4
3/06	CHJ	MISCELLANEOUS REVISIONS	3

EDWARD W. BOUTELLE AND SON
CIVIL ENGINEERS AND SURVEYORS
423 KENWOOD AVENUE
DELMAR, NEW YORK
TEL.(518) 439-9981 FAX.(518) 439-9982
A DIVISION OF J. KENNETH FRASER AND ASSOCIATES, PE, LS, LA, P.C.

FINAL PLAN
AMENDED

CARRIAGE HILL SUBDIVISION

MAP OF LANDS OF

CHARLEW CONSTRUCTION CORP.

RECEIVED
SEP 15 2006

TOWN OF BETHLEHEM COUNTY OF ALBANY
STATE OF NEW YORK

SCALE: 1" = 50'

STATE OF NEW YORK · CHRISTOPHER HOLLEY JOHNSON · 065-0-0-0 · LICENSED LAND SURVEYOR

PROJ. SURVEYOR: CHJ
DRAWN BY: TWK
ASSEMBLED BY: TWK
CHECKED BY: CHJ

PROJECT NO.: 99-020
CAD FILE NAME: 4103-002

SHEET TITLE:
SUBDIVISION MAP

DATE: NOVEMBER 14, 1995 SHEET 2 OF 31

COPYRIGHT 1999 J. KENNETH FRASER AND ASSOCIATES, P.C.