NOTE:

1. ALL STONE FILLING FOR THIS PROJECT SHALL MEET NYSDOT SPECIFICATIONS. THE FOLLOWING ARE NYSDOT ITEM NUMBER REFERENCES FOR THE VARIOUS SIZES TO BE UTILIZED:
   STONE FILLING (FINE)–NYSDOT ITEM 620.02M (ALSO REFERENCED AS FINE RIP–RAP)
   STONE FILLING (LIGHT)–NYSDOT ITEM 620.03M (ALSO REFERENCED AS LIGHT RIP–RAP)
   STONE FILLING (MEDIUM)–NYSDOT ITEM 620.04M (ALSO REFERENCED AS MEDIUM RIP–RAP)
   STONE FILLING (HEAVY)–NYSDOT ITEM 620.05M (ALSO REFERENCED AS HEAVY RIP–RAP)

B/7 RIP-RAP APRON DETAIL

SCALE: N.T.S.

CROSS SECTION

CONSTRUCTION SPECIFICATIONS

1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON–EROSION VELOCITY.
4. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SEED AND STRAW MULCH, AND SHALL BE DONE WITHIN 10 DAYS.
6. PERIODIC INSPECTION AND REQUIRED MAINTAINANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.
7. MAXIUM DRAINAGE AREA LIMIT: 2 ACRES

PERIMETER DIKE / SWALE

N.T.S.

NOTES:

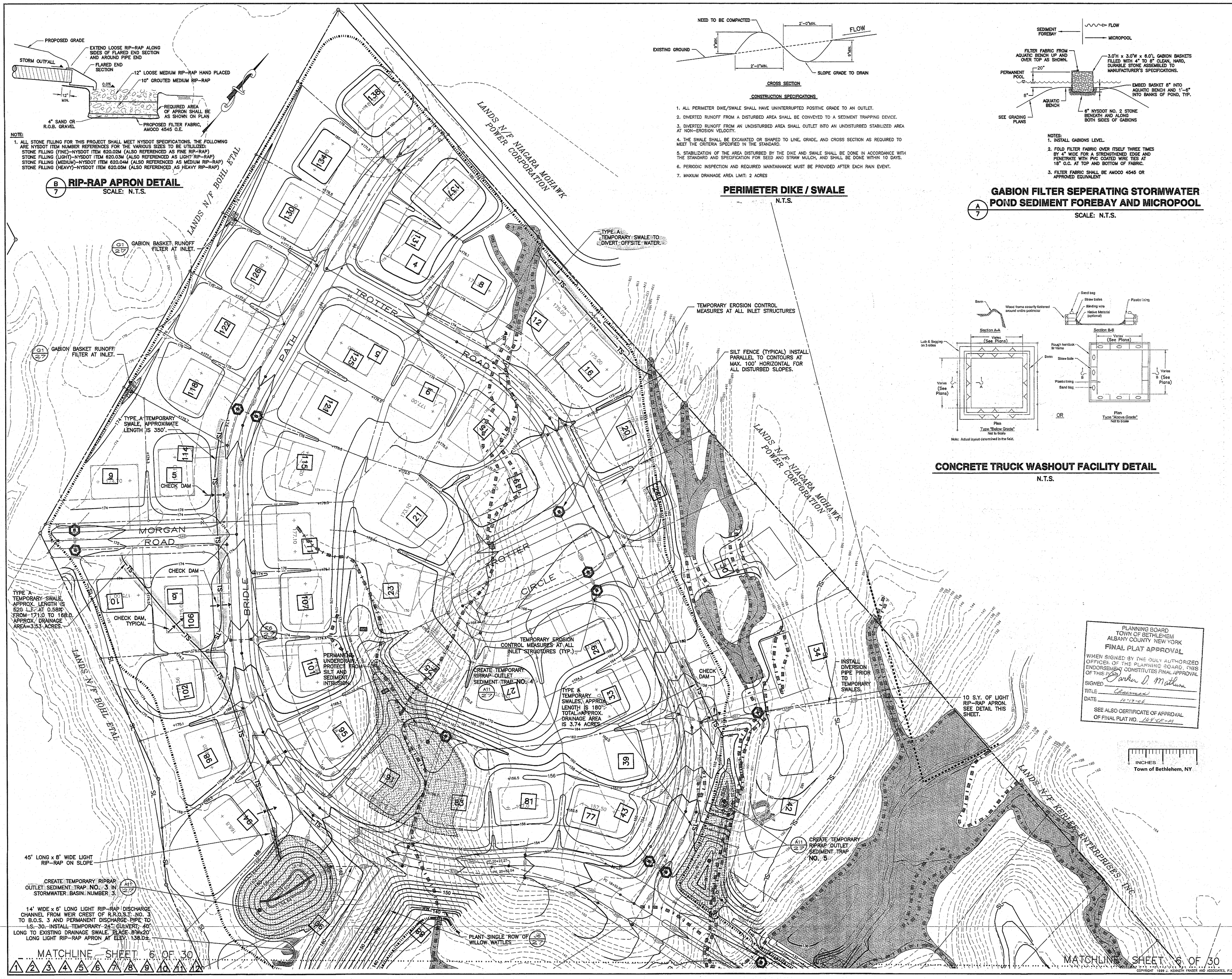
1. INSTALL GABIONS LEVEL.
2. FOLD FILTER FABRIC OVER ITSELF THREE TIMES BY 4" WIDE FOR A STRENGTHENED EDGE AND PENETRATE WITH PVC COATED WIRE TIES AT 18" O.C. AT TOP AND BOTTOM OF FABRIC.
3. FILTER FABRIC SHALL BE AMOCO 4545 OR APPROVED EQUIVALENT

A/7 GABION FILTER SEPERATING STORMWATER POND SEDIMENT FOREBAY AND MICROPOOL

SCALE: N.T.S.

CONCRETE TRUCK WASHOUT FACILITY DETAIL

N.T.S.



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 Barbara D. Mathison
TITLE Chairman
DATE 10-17-06
SEE ALSO CERTIFICATE OF APPROVAL OF FINAL PLAT NO. 164-SE-01

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

GENERAL NOTES

1. THIS PLAN IS PART OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) GENERATED FOR THIS PROJECT. THE PLAN AND SWPPP PROPERLY AND EXPEDITIOUSLY IMPLEMENTED ARE CONSIDERED ADEQUATE TO CONTROL EROSION, SEDIMENTS AND THUS WATER QUALITY. THE ACTUAL QUANTITY, LOCATION AND FUNCTIONALITY OF THE VARIOUS TEMPORARY BEST MANAGEMENT PRACTICES (BMP'S) COULD INCREASE IF CONDITIONS DICTATE. COMPLY WITH ALL SWPPP REQUIREMENTS, NYSDEC AND SWPPP PROFESSIONAL DIRECTIVES, CONSTRUCTION PHASE O & M MANUAL, CONSTRUCTION SEQUENCING PLAN, NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, LOCAL LAWS AND NYSDEC PERMIT NUMBER GP–02–01.
2. EROSION CONTROL BLANKETS SHALL BE THE CURLEX I SYSTEM WITH STAPLES AND 6" ANCHOR TRENCH AT THE TOP OF THE BLANKET COVERAGE, INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
3. INSTALL ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO STUMP REMOVAL, GRUBBING AND STOCKPILING OF TOPSOIL. SWPPP PROFESSIONAL SHALL REVIEW SWPPP, E & SC PLAN AND INSPECT DEVICES PRIOR TO DISTURBANCE ACTIVITIES. STABILIZE TEMPORARY SWALES WITHIN 7 DAYS OF INSTALLATION.
4. GRADE DISTURBED LANDS, INCLUDING THE R.O.W., TO DRAIN TO THE VARIOUS TEMPORARY SEDIMENT TRAPS VIA THEIR RESPECTIVE TEMPORARY SWALES AND ADDITIONAL STABILIZED DRAINAGE COURSES AS NECESSARY TO ENSURE RUNOFF TREATMENT. INSTALL TEMPORARY SWALES AS DETAILED ON SHEET 27. STABILIZE ANY DRAINAGE COURSES, INCLUDING DISTURBED SOILS ALONG THE CONSTRUCTED R.O.W. THAT SHOW SIGNS OF EROSION TO REDUCE SEDIMENT LOAD TO DOWNSTREAM SYSTEMS.

LEGEND

	PROPOSED MANHOLE		PROPOSED INLET WITH FOOTING DRAIN
	PROPOSED INLET		PROPOSED MANHOLE WITH FOOTING DRAIN
	EROSION CONTROL AT CATCH BASIN		FENCING
	WATER VALVE		EASEMENT LINE
	FIRE HYDRANT		SETBACK LINE
	PROPERTY LINE		STREAM
	WATER MAIN		TREE LINE
	SANITARY SEWER		CLEARING LIMIT
	STORM SEWER	150	CONTOUR (PROJ)
	PROPOSED END SECTION	150	CONTOUR LINE
S	SEWER DISTRICT	+158.3	SPOT ELEVATION
W	WATER DISTRICT		TREE (DECIDUOUS)
Z	ZONING DISTRICT	8	LOT NUMBER
H	LIMIT OF 100 YEAR FLOOD PLAIN		
SL	15% SLOPE LINE–SEE NOTE 22	66	SUBCATCHMENT
TS	TEMPORARY SWALE		PRESERVED FEDERAL WETLANDS
SCD	SEDIMENT CONTROL DIKE		
WW	WILLOW WATTLE		APPROXIMATE LOCATION BUILDING ENVELOPE
	DRAINAGE LIMITS		
	SILT FENCE		TEMPORARY RIPRAP OUTLET SEDIMENT TRAP
167±5	PROPOSED ELEVATION		CHECK DAM
FFG=200.0	PROPOSED FINISHED FLOOR GARAGE		EXISTING WETLAND BOUNDARY

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	1
10/99	CHJ	FINAL PLAN REVISIONS	2
5/00	CHJ	FINAL PLAN REVISIONS	3
12/00	CHJ	FINAL PLAN REVISIONS	4
1/26/01	CHJ	FINAL PLAN REVISIONS	5
10/04	CHJ	FINAL PLAN REVISIONS	6
5/05	CHJ	LOT LINE CHANGES	7
1/06	CHJ	MISCELLANEOUS REVISIONS	8
2/06	CHJ	MISCELLANEOUS REVISIONS	9
4/06	CHJ	MISCELLANEOUS REVISIONS	10
8/06	BDG	REVISED PER DEC COMMENTS	11
8/06	BDG	REVISED PER DEC COMMENTS	12

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.

SEP 1 5 2006

TOWN OF BETHLEHEM — TOWN/COUNTY OF ALBANY
STATE OF NEW YORK

SCALE: 1"=50'

STATE OF NEW YORK — JOHN FRASER BROOK — LICENSED PROFESSIONAL ENGINEER

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

PROJECT NO.: 99–020
CAD FILE NAME: 4103–007

SHEET TITLE:
EROSION AND SEDIMENTATION CONTROL PLAN

DATE: MARCH 27, 1998 — SHEET 7 OF 31