

CONSTRUCTION SEQUENCE NOTES:

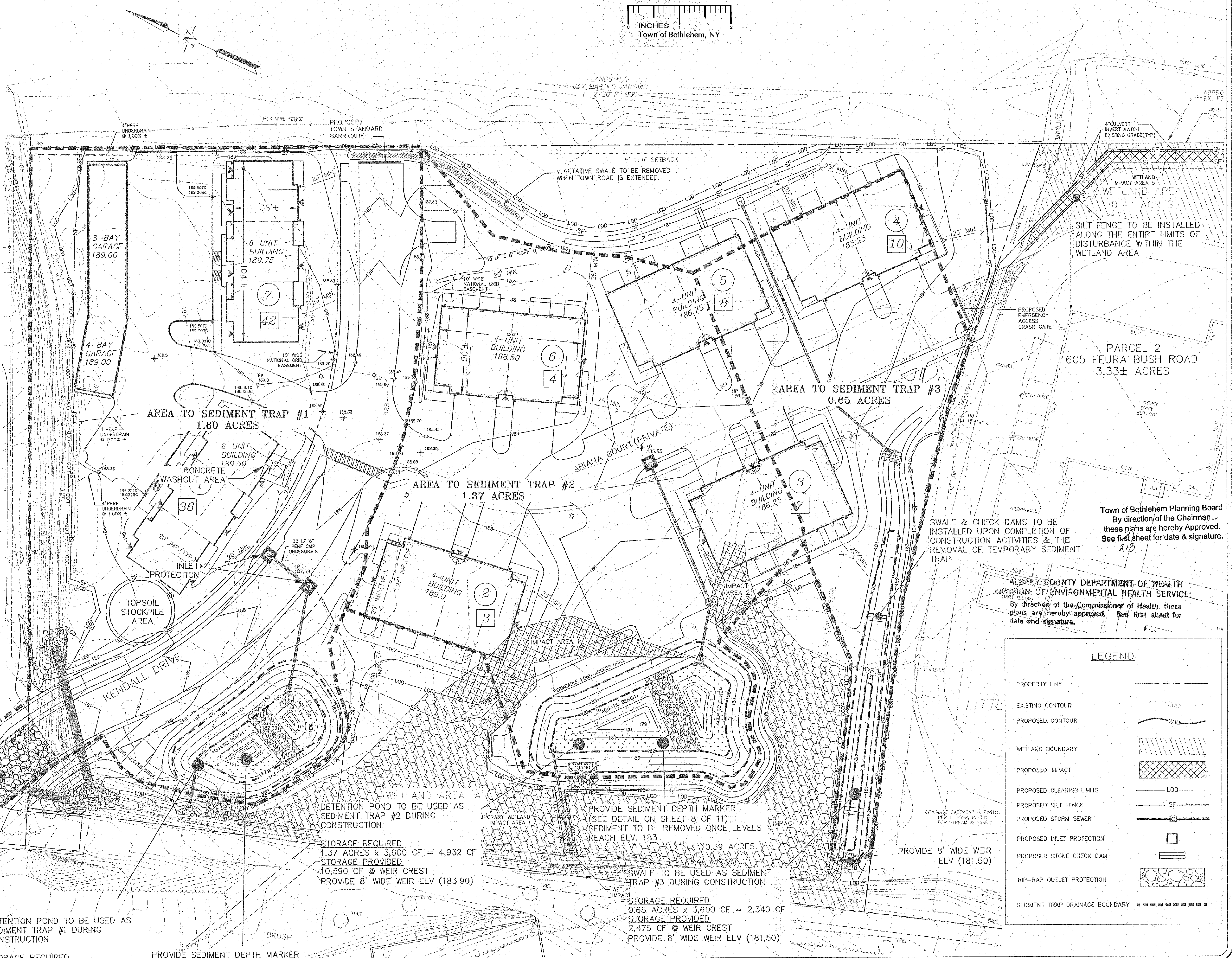
- A) TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THEIR TRIBUTARY AREAS. TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES INCLUDE SILT FENCE, SEDIMENT TRAPS, CHECK DAMS IN CONCENTRATED FLOW AREAS, TEMPORARY AND PERMANENT SEEDING OF DISTURBED AREAS, USE OF MULCH COVER AND EROSION CONTROL MATTING ON EXPOSED AREAS, AND INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCES. IN ACCORDANCE WITH THE "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL", THERE SHALL NOT BE MORE THAN FIVE (5) ACRES OF DISTURBED SOIL AT ANY ONE TIME.
- B) CONTRACTOR SHALL COMMENCE SITE CONSTRUCTION ACTIVITIES AS REQUIRED. CONSTRUCTION WILL BE PHASED TO BUILD STORMWATER DETENTION AREAS PRIOR TO PAVED AREAS, ALLOWING DIRECTION OF RUNOFF FROM UNSTABILIZED AREAS TO DETENTION BASIN.
- C) CONTRACTOR TO CONSTRUCT TOWN ROADS AND ASSOCIATED UTILITIES, INCLUDING WATER, SANITARY SEWER AND STORM WATER COLLECTION, CONVEYANCE SYSTEMS. ONCE ROAD SURFACE HAS BEEN STABILIZED, SILT FENCING SHALL BE INSTALLED ALONG ROADWAY TO PREVENT SEDIMENT FROM ENTERING THE CLOSED DRAINAGE NETWORK WITHIN THE ROADWAY. PRIOR TO FINALIZING CONNECTION TO THE STORM SEWER SYSTEM, ALL CATCH BASINS AND DRAINAGE LINES SHALL BE CLEANED OF ALL SILT AND SEDIMENT.
- D) IMMEDIATELY FOLLOWING COMPLETION OR SUSPENSION OF CONSTRUCTION ACTIVITIES OR WITHIN 14 DAYS IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
- E) UPON COMPLETION OF CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY ESTABLISH PERMANENT VEGETATION ON THE AREAS DISTURBED DURING THE REMOVAL.

EROSION CONTROL GENERAL NOTES:

1. THIS PROJECT IS AUTHORIZED UNDER NYSDEC PERMIT GP-0-10-001.
2. ANY CONTRACTOR INVOLVED IN EARTHWORK ACTIVITIES, INCLUDING BUT NOT LIMITED TO: CLEARING, GRADING AND TRENCHING, SHALL REVIEW ALL PERMIT CONDITIONS AND CERTIFY UNDERSTANDING OF THESE CONDITIONS, IN WRITING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ALL EROSION CONTROLS DESCRIBED IN GP-0-10-001, AND IT IS NOT THE INTENT OF THESE DRAWINGS TO REPLACE OR DISSEMINATE THE PERMIT REQUIREMENTS. THE CONTRACTOR SHALL REMAIN IN COMPLIANCE WITH THE PERMIT AT ALL TIMES.
3. AT NO TIME, SHALL MORE THAN FIVE (5) ACRES REMAIN UNSTABILIZED. THE CONTRACTOR SHALL COORDINATE EARTHWORK ACTIVITIES AND IMPLEMENTATION OF SOIL STABILIZATION MEASURES TO ENSURE COMPLIANCE TO THIS PERMIT REQUIREMENT.
4. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION AND EQUIPMENT ENTRANCE WHENEVER PRACTICABLE.
5. DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF COMPLETION OR SUSPENSION OF GRADING OPERATIONS.

TEMPORARY EROSION AND SEDIMENT CONTROL NOTES:

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE LATEST EDITION OF NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. (aka: THE BLUE BOOK) EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
2. IT IS THE INTENT OF THESE PLANS AND NOTES TO BE USED AS A GUIDE BY THE CONTRACTOR TO ENSURE THAT NO ERODED MATERIAL MIGRATES FROM THE SITE OR ENTERS ANY WATER COURSE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THIS GOAL IS MET, BY IMPLEMENTING THESE PLANS AND ANY ADDITIONAL MEASURES THAT MAY BE NECESSARY. FURTHER MEASURES MAY BE REQUIRED BY THE CITY, VILLAGE, OR TOWN ENGINEER. WHILE MANY OF THE EROSION CONTROL DETAILS CONTAINED WITHIN THESE PLANS ARE TAKEN DIRECTLY FROM THE BLUE BOOK, THE CONTRACTOR SHOULD CONSIDER ANY OF THE DETAILS CONTAINED IN SECTION 7A OF THE BLUE BOOK AS ACCEPTABLE PRACTICE IN THE APPROPRIATE APPLICATION.
3. THE DEVELOPER/CONTRACTOR OR HIS BUILDER SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL EVENT THROUGH THE ENTIRE DEVELOPMENT PROCESS. TO ASSURE PROPER FUNCTION, SILTATION BARRIERS SHALL BE MAINTAINED IN GOOD CONDITION AND REINFORCED, EXTENDED, REPAIRED, RE-SEEDED AND PROTECTED FROM FURTHER EROSION. ALL SEDIMENT ACCUMULATED SHALL BE REMOVED AND CONTAINED IN APPROPRIATE SPILL AREAS. WATER SHALL BE APPLIED TO NEWLY SEEDING AREAS AS NEEDED UNTIL GRASS COVER IS WELL ESTABLISHED. DURING THESE PERIODIC INSPECTIONS, THE FOLLOWING ITEMS SHOULD BE PAID PARTICULAR ATTENTION: A. SILT FENCING SHALL BE INSPECTED FOR UNDERMINING AND DETERIORATION. B. SEEDING/MULCHED AREAS SHALL BE INSPECTED TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE REPAIRED AS NECESSARY.
4. EROSION CONTROL DEVICES SHALL NOT BE REMOVED UNTIL THE CITY, VILLAGE OR TOWN ENGINEER HAS APPROVED FINAL STABILIZATION.
5. SILT FENCE AND OTHER EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THESE DETAIL SHEETS AND SECTION 7A OF THE BLUE BOOK.
6. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED.
7. CONSTRUCTION TRAFFIC SHALL NOT CROSS STREAMS OR DITCHES EXCEPT AT SUITABLE CROSSING FACILITIES. EQUIPMENT SHALL NOT OPERATE, UNNECESSARILY, WITHIN WATERWAYS OR DRAINAGE DITCHES.
8. EXISTING PAVEMENT AREAS SHALL BE CLEANED AT THE DIRECTION OF THE CITY, VILLAGE, OR TOWN ENGINEER.
9. WATER TRUCKS SHALL BE USED TO MINIMIZE DUST POLLUTION ON SITE, AND ON ADJACENT ROADWAY AREAS AS DIRECTED BY THE CITY, VILLAGE, OR TOWN ENGINEER.
10. ANY WATER PUMPED AS A RESULT OF DEWATERING ACTIVITIES SHALL BE PUMPED INTO A DEWATERING PIT.
11. CONCRETE WASHOUT AREAS SHALL BE DESIGNATED BY THE DEVELOPER OR CONTRACTOR AND PROTECTED IN ACCORDANCE WITH GP-0-10-001.
12. ALL AREAS DISTURBED IN THE CONSTRUCTION PROCESS SHALL BE STABILIZED WITH SEED AND MULCH NO MORE THAN 14 DAYS AFTER THE COMPLETION OF WORK IN THAT AREA. IT MAY BE NECESSARY TO SEED AND MULCH SOME AREAS SEVERAL TIMES TO MEET THIS REQUIREMENT.
13. IT IS RECOMMENDED THAT ALL EROSION CONTROL DEVICES BE PLACED FOR THE ENTIRE PHASE AS SHOWN ON THE EROSION CONTROL PLAN.
14. STOCK PILES SHALL BE PROTECTED BY SILT FENCE PER GP-0-10-001. THESE DEVICES SHALL BE MAINTAINED IN GOOD CONDITION UNTIL SAID STOCK PILES ARE REMOVED AND STOCK PILING AREAS ARE PERMANENTLY STABILIZED.
15. STOCK PILES SHALL BE SEEDING UPON SUSPENSION OF WORK OR IF MATERIAL IS NOT TO BE USED WITHIN 14 DAYS, IN ACCORDANCE WITH GP-0-10-001.
16. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FEET OF ANY DITCH, STREAM OR OTHER SURFACE WATER BODY.
17. SILT FENCING SHALL BE INSTALLED AT THE PERIMETER OF ALL SLOPES TO BE GRADED, PRIOR TO GRADING OPERATIONS.
18. CLEARING OPERATIONS SHALL BE LIMITED TO ACTIVE WORK AREAS.
19. CARE SHALL BE TAKEN TO PRESERVE AS MUCH EXISTING VEGETATION AS POSSIBLE AND HEALTHY TREES OF DESIRABLE SPECIES SHALL BE PROTECTED.
20. WHEN RUNOFF IS COLLECTED AND FLOW IS CONCENTRATED IN A SWALE OR DRAINAGE DITCH, THEN CHECK DAMS SHALL BE INSTALLED TO REDUCE VELOCITY UNTIL THE SWALE AND THE AREA DRAINING TO THE SWALE ARE STABILIZED. SEDIMENT SHALL BE REMOVED FROM THE DAM AS NEEDED TO ALLOW THE CHANNEL TO DRAIN THROUGH THE DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM.



ALBANY COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH SERVICE
By direction of the Commissioner of Health, these plans are hereby approved. See first sheet for date and signature.

LEGEND

PROPERTY LINE	---
EXISTING CONTOUR	~ (solid line)
PROPOSED CONTOUR	~ (dashed line)
WETLAND BOUNDARY	▨ (hatched pattern)
PROPOSED IMPACT	▧ (cross-hatched pattern)
PROPOSED CLEARING LIMITS	LOO
PROPOSED SILT FENCE	SF
PROPOSED STORM SEWER	— (line with circles)
PROPOSED INLET PROTECTION	□
PROPOSED STONE CHECK DAM	— (line with stones)
RIP-RAP OUTLET PROTECTION	▧ (stone pattern)
SEDIMENT TRAP DRAINAGE BOUNDARY	--- (dashed line)

TOWN OF BETHLEHEM PLANNING BOARD

LANDS, N.Y.
MRDC KENDALL, LLC &
KENDALL BHC, LLC
L. 2987 P. 708
KENDALL SQUARE HAMLET

EXISTING
71 L.F.
36"Ø CIP
ARCH PIPE
@ 2.25%

STABILIZED
CONSTRUCTION
ENTRANCE

DETENTION POND TO BE USED AS
SEDIMENT TRAP #1 DURING
CONSTRUCTION

STORAGE REQUIRED
1.80 ACRES x 3,600 CF = 6,480 CF
STORAGE PROVIDED
3,365 CF @ WEIR CREST
PROVIDE 8' WIDE WEIR ELV (185.00)

PROVIDE SEDIMENT DEPTH MARKER
(SEE DETAIL ON SHEET 8 OF 11)
SEDIMENT TO BE REMOVED ONCE
LEVELS REACH ELV. 184

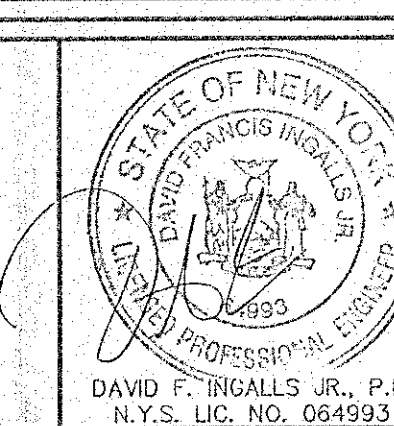
STORAGE REQUIRED
1.37 ACRES x 3,600 CF = 4,932 CF
STORAGE PROVIDED
10,590 CF @ WEIR CREST
PROVIDE 8' WIDE WEIR ELV (183.90)

SWALE TO BE USED AS SEDIMENT
TRAP #3 DURING CONSTRUCTION

STORAGE REQUIRED
0.65 ACRES x 3,600 CF = 2,340 CF
STORAGE PROVIDED
2,475 CF @ WEIR CREST
PROVIDE 8' WIDE WEIR ELV (181.50)

NO.	DATE	REVISIONS	BY
9	9/27/12	FINAL SUBMISSION	PJY
8	8/24/12	FINAL SUBMISSION	PJY
7	7/10/12	REVISIONS PER 7/3/12 IDE COMMENT LETTER	PJY
6	6/28/12	REVISED PER TOWN PLANNING COMMENTS	PJY
5	6/14/12	REVISED PER TOWN ENG. & PLANNING COMMENTS	PJY
4	5/30/12	REVISED PER TOWN COMMENT LETTER DATED 5/29/12	PJY
3	5/15/12	REVISIONS PER TOWN COMMENTS	PJY
2	3/13/12	REVISIONS PER TOWN AND IDE COMMENTS	PJY
1	1/27/12	REVISIONS PER TOWN AND IDE COMMENTS	PJY

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ESC PLAN
32 UNIT MULTI-FAMILY DEVELOPMENT
605 FEURA BUSH ROAD
TOWN OF BETHLEHEM
COUNTY OF ALBANY STATE OF NEW YORK

DATE: SEPTEMBER 20, 2011
DRAWN BY: PJY
CADD FILE:

CHECKED BY: D.F.L.
JOB NO. 11-091

SCALE: 1"=30'
SHEET 8 OF 12

NOTE: 48 HOURS PRIOR TO ANY CONSTRUCTION
ACTIVITIES, THE CONTRACTOR SHALL CONTACT
DIG SAFELY NEW YORK TO LOCATE ALL
UNDERGROUND UTILITIES. 1-800-962-7962