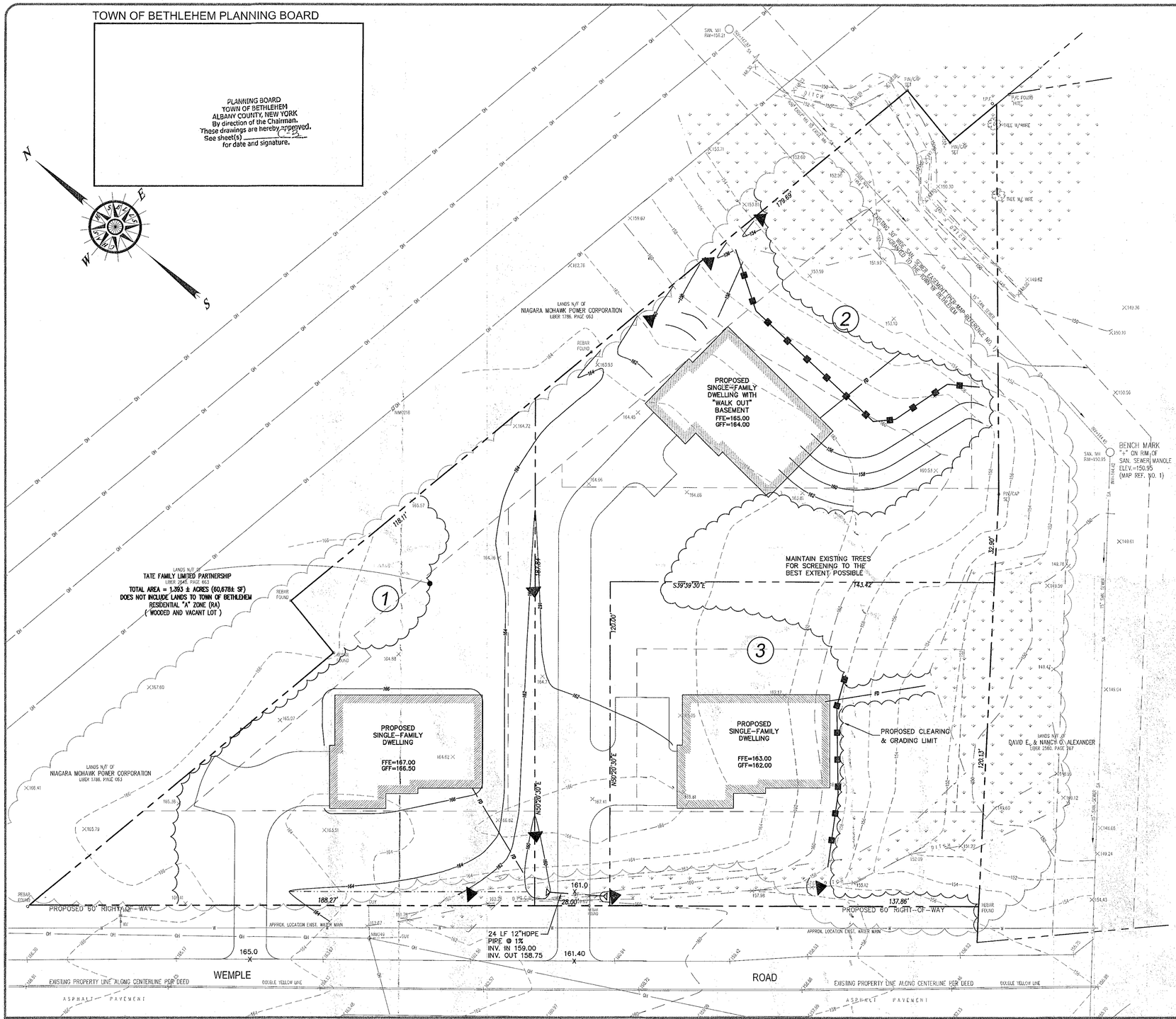
TOWN OF BETHLEHEM PLANNING BOARD

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
By direction of the Chairman,
These drawings are hereby approved.
See sheet(s) _____
for date and signature.



CONSTRUCTION SEQUENCE

1. PROVIDE SIGNED CERTIFICATION STATEMENT PRIOR TO START OF WORK. PROVIDE SIGNED CERTIFICATION, AS REQUIRED, FOR ALL SUBCONTRACTORS WORKING ON SITE.

2. HOLD PRE-CONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION.

3. INSTALL SILT FENCING, AS SHOWN ON DRAWINGS. IF CLEARING AND GRUBBING IS REQUIRED FOR INSTALLATION IT SHOULD BE MADE A PRIORITY.

4. CLEARING OPERATIONS TO PRIORITIZE PATH TO EACH LOT. IMMEDIATELY FOLLOWING CLEARING AND GRUBBING OPERATIONS IN THIS AREA, ROUGH GRADE AND STABILIZE PER GRADING SHOWN ON THIS PLAN. CONTRACTOR TO TEMPORARILY STABILIZE ENTIRE DISTURBED AREA, WITH HYDROSEED OR OTHER APPROVED SEEDING METHOD. CONTRACTOR TO ROUGH GRADE AND STABILIZE DISTURBED AREAS IN SECTIONS, FOLLOWING CLEARING AND GRUBBING OPERATIONS, IN ORDER TO MINIMIZE THE DISTURBED AREA.

5. TIE INTO EXISTING UTILITIES.

6. CONTRACOTR RESPONSIBLE FOR PROTECTION OF UTILITIES THROUGHOUT PROJECT.

7. FILL ROADWAY AREA AND DRIVEWAYS TO SUBGRADE. INSTALL TEMPORARY SWALE AT EACH SIDE OF ROADWAY AS SHOWN ON EROSION & SEDIMENT CONTROL PLAN.

8. BRING BUILDING AREAS TO ROUGH GRADE. CONTRACTOR TO STABILIZE ALL DISTURBED AREAS IN SECTIONS, WHEN BROUGHT TO GRADE IN ORDER TO CONTROL SEDIMENT.

9. INSTALL FOUNDATIONS AND SLABS.

10. AS BUILDINGS ARE CONSTRUCTED, INSTALL SUBBASE AT DRIVEWAYS. COORDINATE WORK WITH POWER COMPANY, STABILIZE ANY DISTURBANCES CAUSED BY SUCH COMPANY.

11. FINAL GRADE, TOPSOIL, HYDROSEED, AND LANDSCAPE ALL DISTURBED AREAS.

12. REMOVE ALL SILT FENCE, FILTER FABRIC ON SITE AS DIRECTED BY STORMWATER ENGINEER/INSPECTOR.

NOTE: REFER TO EROSION AND SEDIMENT CONTROL GENERAL NOTES, FOR FURTHER INFORMATION.

EROSION CONTROL NOTES

1. EROSION CONTROL DEVICES ARE ILLUSTRATED ON SITE PLAN IN A SCHEMATIC MANNER BASED ON NY STATE GUIDLINES FOR EROSION AND SEDIMENT CONTROL. ALL WORK SHALL CONFORM TO "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL" DETAILS AND SPECIFICATIONS. IT MAY BE NECESSARY TO ADJUST THE ACTUAL LOCATION AND QUANTITY OF EROSION CONTROL DEVICES DEPENDING UPON FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THESE MEASURES AS REQUIRED TO PROTECT THE SITE. CONTRACTOR TO PROVIDE EROSION CONTROL MEASURES WHERE SHOWN AND AS DIRECTED BY PROJECT ENGINEER, STORMWATER INSPECTOR AND/OR MUNICIPALITY.

2. CONTRACTOR TO INSPECT EROSION CONTROL MEASURES DAILY AND REPAIR ALL DAMAGE CAUSED BY SOIL EROSION AND CONSTRUCTION EQUIPMENT AT OR BEFORE THE END OF EACH WORKING DAY. CONTRACTOR TO REMOVE ANY LITTER AND/OR CONSTRUCTION DEBRIS FROM DRAINAGE SWALES. CONSTRUCTION DEBRIS TO BE COLLECTED WITHIN A CONTAINED DUMPSTER UNIT. THE UNIT SHOULD BE PROPERLY DISPOSED OF ON A REGULAR BASIS TO ENSURE A CLEAN SITE. IF FOR ANY REASON HAZARDOUS WASTE DISPOSAL IS REQUIRED A SPILL PROOF CONTAINER SHOULD BE USED AND A SPILL PREVENTION PLAN MUST BE IMPLEMENTED.

3. ALL CONTROL MEASURES WILL BE INSPECTED WEEKLY AND WITHIN 24 HOURS FOLLOWING A RAINFALL EVENT OF 0.5 INCHES OR GREATER BY THE OWNER'S ENGINEER. A STORMWATER INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. COPIES OF THE SIGNED REPORT TO BE RETAINED AT JOBSITE WITH THE NOTICE OF INTENT. CONTRACTOR TO PROVIDE PUBLIC ACCESS TO SWPPP REPORTS.

4. CONTRACTOR IS RESPONSIBLE FOR STABILIZING AND MAINTAINING CONSTRUCTION ROADS THROUGHOUT PROJECT. CONTRACTOR TO ROLL AND COMPACT CONSTRUCTION ROADS, PERIODICALLY, TO AID IN STABILIZATION OF ROADWAYS.

5. CONTRACTOR(S) RESPONSIBLE TO KEEP SEDIMENT OFF ROADWAYS, ADJACENT PROPERTY, STORM SEWERS AND AIR (DUST). ANY TRACKING MUST BE CLEANED IMMEDIATELY. CONTRACTOR TO HAVE SWEEPING MACHINE ON SITE. ROADWAYS TO BE SWEPT DAILY OR AS NEEDED TO PREVENT TRACKING OF MATERIAL.

6. ALL TEMPORARY EXPOSED FACES OF EARTH CUTS AND FILLS SHALL BE VEGETATED OR OTHERWISE PROTECTED FROM EROSION IMMEDIATELY UPON COMPLETION OF EARTH PLACEMENT. PROVISION SHALL BE MADE FOR MINIMIZING THE SOIL AREA TO BE DISTURBED AND PREVENTING WATER FROM CONCENTRATING AND ERODING THE FACE OF ANY SLOPE.

7. BEST MANAGEMENT PRACTICES TO BE IMPLEMENTED THROUGHOUT PROJECT. CONTRACTOR TO INITIATE STABILIZATION MEASURES ASAP IN AREAS WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANANTELY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED. CONTRACTOR TO STABILIZE SITE IN COMPLIANCE WITH THE "SPDES GENERAL PERMIT FOR STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITY, GP-0-10-001".

8. FOLLOWING GRADING, FERTILIZER (5-10-5) SHALL BE APPLIED AT THE RATE OF 2 LB. OF NITROGEN PER 1,000 SQ. FT. OR EQUIVALENT, AND PULVERIZED DOLOMITIC LIMESTONE AT THE RATE OF 90 LB. PER 1,000 SQ. FT. FERTILIZER AND "LIME" SHALL THEN BE WORKED INTO THE SOIL AS NEATLY AS PRACTICAL TO A DEPTH OF FOUR INCHES (4") WITH A DISC, SPRING-TOOTH HARROW, OR OTHER SUITABLE EQUIPMENT AND ANCHORED WITH MULCH UNTIL SUCH TIME AS EFFECTIVE SEEDING MAY OCCUR.

9. ANNUAL RYE GRASS SEED SHALL THEN BE UNIFORMLY SPREAD AT A RATE OF 0.9 LB. PER 1, 000 SQ. FT. OPTIMUM SEEDING DATES FOR THIS TYPE SEED ARE DURING THE PERIOD OF MARCH 15 TO MAY 1, OR DURING THE PERIOD OF AUGUST 15 TO NOVEMBER 1. SEED APPLICATION SHALL BE PERFORMED BY HAND. CYCLONE SEEDER, DRILL OR CULTIPACK SEEDER TO A DEPTH OF 1.5 INCHES.

10. IF STABILIZATION BY SEEDING CANNOT OCCUR DURING THE RECOMMENDED SEEDING PERIODS DISCUSSED ABOVE. TOPSOIL, FILL AND EXCAVATED MATERIALS SHALL BE STABILIZED

11. SEEDED AREAS SHALL BE FULLY COVERED WITH A LEAN STRAW OR MULCH MATERIAL. IF ORDERED BY THE ENGINEER OR MUNICIPALITY, A BIODEGRADABLE NETTING (E.G., EXCELSIOR BLANKET, COIR GEOTEXTILE) SHALL BE ANCHORED OVER SEEDED AREAS WHICH DEMONSTRATE "RILLING" OR OTHER EROSION PROCESSES.

12. TOPSOIL AND SEED SHALL BE REAPPLIED TO ANY AREAS WHICH FAIL TO ESTABLISH AS A RESULT OF INITIAL APPLICATION.

13. IN NO CASE SHALL ERODIBLE MATERIALS BE STOCKPILED WITHIN 25 FT. OF ANY DITCH, STREAM, OR OTHER SURFACE WATER BODY.

14. TOPSOILING – AREAS TO BE STABILIZED WITH PERMANENT VEGETATION SHALL BE PREPARED BY APPLYING TOPSOIL TO A UNIFORM DEPTH OF FOUR INCHES (4"). TOPSOIL SHALL BE FRIABLE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS, AND STONES, AND CONTAIN NO TOXIC SUBSTANCES THAT MAY BE HARMFUL TO PLANT GROWTH. IMMEDIATELY PRIOR TO TOPSOIL APPLICATION. THE SURFACE SHALL BE SCARIFIED TO PROVIDE A GOOD BOND WITH THE TOPSOIL. WHEN TOPSOILING IS DEEMED UNNECESSARY, SEEDBED PREPARATION SHALL BE EMPLOYED.

15. WHEN TOPSOILING IS DEEMED UNNECESSARY PULVERIZED DOLOMITIC LIMESTONE SHALL BE APPLIED AT THE RATE OF 90 LB. PER 1,000 SQ. FT. AND FERTILIZER (5-10-5) AT THE RATE OF 2 LBS. OF NITROGEN PER 1,000 SQ. FT., OR EQUIVALENT. THE "LIME" AND FERTILIZER SHALL THEN BE WORKED INTO THE SOIL TO A DEPTH OF FOUR INCHES (4") WITH A DISC, SPRINGTOOTH HARROW, OR OTHER SUITABLE EQUIPMENT. THE AREA SHALL THEN BE ROLLED TO FORM THE SEEDBED. ALL STONES TWO INCHES OR LARGER AND ANY OTHER DEBRIS SHALL BE REMOVED PRIOR TO SEEDING.

16. THE SEED MIXTURE FOR PERMANENT VEGETATIVE COVER SHALL CONSIST OF 1 LBS. PER 1,000 SQ. FT. OF COVER CROPSEED CONTAINING AT LEAST 50 PERENNAL GRASS AND 10 % PINK CLOVER OR ALFALFA. THE MIX SHALL BE UNIFORMLY SPREAD BY CYCLONE SEEDER DRILL, OR CULTIPACK SEEDER NORMAL SEED DEPTH SHALL BE FROM 1/4 TO 1/2 IN. SEED MAY ALSO BE APPLIED BY AN APPROPRIATE HYDROSEEDING METHOD.

17. WOVEN WIRE FENCE TO BE FASTEN SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.

18. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.

19. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.

20. BUILT UP SEDIMENT TO BE REMOVED FROM SILT FENCES / STRAW BARRIERS WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE OR "BULGES" OCCUR.

21. SILT FENCES / STRAW BARRIERS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, ETC., TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE SECURELY IN THE GROUND.

22. TEMPORARY AND PERMANENT SEEDING AND ALL OTHER STABILIZATION MEASURES WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

TOWN OF BETHLEHEM, NEW YORK
PLANNING DEPT. ORIGINAL
- SCANNED -
0 1 INCHES 2

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

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ALL RIGHTS RESERVED
UNAUTHORIZED
DUPLICATION IS A
VIOLATION OF
APPLICABLE LAWS.

REVISIONS

DATE		BY
3/18/08	UPDATED PER COMMENTS FROM ROBERT LESLIE OF BETHLEHEM (3/17/08)	
12/4/08	UPDATED BORDER TO WSP-SELLS	
12/15/08	ADDED INVERT INFO ON STORM PIPE, UPD NOTE, CURB STOPS, AND REGRADED AROUND OUTLET.	
2/05/09	ADDED CLARIFICATION TO TOTAL LOT ACREAGE AND FLAG LOT ACREAGE	
4/23/09	ADDED COLUMN TO ZONING REQUIREMENTS CHART, REVISED VALUES AS NECESSARY	
4/27/09	ADDED/REVISED DIMENSIONS BETWEEN PROPERTY LINES AND STRUCTURES	
4/27/09	ADDED/REVISED DIMENSIONS BETWEEN PROPERTY LINES AND STRUCTURES	
7/15/09	ADDED WETLAND BOUNDARIES FROM SURVEY	
4/16/14	REVISED PLANS PER TOWN OF BETHLEHEM COMMENT LETTER 2/11/14 AND 4/8/14	
1/28/15	REVISED PLANS PER TOWN OF BETHLEHEM COMMENT LETTER 5/21/14	
3/18/15	REVISED PLANS PER TOWN OF BETHLEHEM COMMENT LETTER 3/3/15 AND 3/18/15	
6/24/15	REVISED PLANS PER TOWN OF BETHLEHEM PLANNING BOARD COMMENTS	

WSP
Transportation & Infrastructure
1 Columbia Circle ▪ Albany, NY 12203 ▪ 518.452.3545
www.wspsells.com

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STATE OF NEW YORK
CHAS. H. SELLS
LICENSED PROFESSIONAL ENGINEERING CORP.
CHAS. H. SELLS

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EROSION & SEDIMENT CONTROL PLAN

CROSSROADS SUBDIVISION - SECTION 3

TATE FAMILY LIMITED PARTNERSHIP
WEMPLE ROAD * TOWN OF BETHLEHEM * NEW YORK
TAX MAP ID: 109.00 - 1 - 36

Date: DECEMBER 4, 2008 | Scale: 1"=20' | Cadd: FINAL.DWG

Sheet:
C-6
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