

## EROSION & SEDIMENT CONTROL NOTES

1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. ALL SOILS MUST BE STABILIZED WITHIN 14 DAYS AFTER BEING WORKED.
3. 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%.
4. 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.
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 UPSLOPE ARE STABILIZED BY TURF.
6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2 TO 1).
7. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST USE TEMPORARY MULCH (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
8. 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.
9. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT WILL BE RETURNED TO THE SITE AND REGRADED ONTO OPEN AREAS.
10. 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:
  - a) FOUR INCHES OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND SMOOTHED TO A UNIFORM SURFACE.
  - b) 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).

## CONSTRUCTION SEQUENCE NOTES

1. THIS PLAN REPRESENTS THE EROSION AND SEDIMENT CONTROL MEASURES TO BE ESTABLISHED PRIOR TO CONSTRUCTION AND TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS UNTIL DISTURBED AREAS HAVE BEEN STABILIZED. DEPICTED HEREIN ARE EXISTING, PROPOSED AND TEMPORARY CONTOURS AS DEFINED IN THE LEGEND ON THIS SHEET. THE PROPOSED PLANIMETRIC AND DRAINAGE FEATURES ARE SHOWN IN A LIGHT LINE TYPE FOR REFERENCE. THE PURPOSE OF THIS PLAN IS TO PROVIDE DIRECTION TO THE CONTRACTOR TO INSURE NO EROSION OR OFF-SITE SEDIMENT DISCHARGE OCCURS FROM THE CONSTRUCTION OF THIS SITE. TEMPORARY FLOW DIRECTION, SWALES AND BERMS ARE DEPICTED ON THE PLAN TO DIRECT STORMWATER TO THE TEMPORARY SEDIMENT TRAPS. AS GRADES ARE ESTABLISHED, THE CONTRACTOR MAY NEED TO CONSTRUCT ADDITIONAL SWALES OR BERMS NOT SHOWN HEREON TO INSURE STORMWATER IS DIRECTED TO THE TRAPS.
2. EXCAVATION WORK SHALL NOT BE CARRIED OUT DURING PERIODS OF INCLEMENT WEATHER.
3. 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.
4. INSTALL SILTATION FENCE ALONG THE LIMITS OF DISTURBANCE AS SHOWN HEREON.
5. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AS SHOWN.
6. CONSTRUCT THE TEMPORARY STONE OUTLET SEDIMENT TRAP AND CONCRETE WASHOUT AREA AS SHOWN. ONCE ALL EROSION AND SEDIMENT CONTROL DEVICES ARE ESTABLISHED AS SHOWN HEREON, THE CLEARING AND DEMOLITION PROCESS CAN COMMENCE AS SHOWN ON THE DEMOLITION PLAN.
7. INLET PROTECTION SHALL BE INSTALLED ON PROPOSED DRAINAGE STRUCTURES AS THEY ARE INSTALLED.
8. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY 7 DAYS OR AFTER EACH RAINFALL OF 0.5 INCHES OR GREATER. OPERATOR SHALL INSPECT FOR SIGNS OF FAILURE. REPAIR AND OR REPLACEMENT OF ANY DEFICIENT DEVICES SHALL BE THE OPERATORS HIGHEST PRIORITY. EACH DAY THE OPERATOR SHALL:
  - A. INSPECT SECURITY OF SILTATION FENCE. CONTRACTOR SHALL RE-SECURE REPLACE OR REPAIR ANY UNSTABLE, TORN OR BROKEN SECTIONS.
  - B. INSPECT INLET PROTECTION AND FABRIC TO INSURE ALL SEDIMENT IS EFFECTIVELY TRAPPED. REMOVE BUILDUP OF SEDIMENT AND CHECK DEVICES FOR DEFICIENCIES OR INSTABILITY.
  - C. INSPECT SWALES AND BERMS TO INSURE STORM WATER IS FOLLOWING THE INTENDED PATH WITHOUT CREATING UNNECESSARY EROSION OR BANK FAILURE. REPAIR, STABILIZE OR RE-GRADE UNSTABLE SLOPES.
  - D. SEDIMENT SHALL BE REMOVED FROM TRAPS AND RESTORED TO THE ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH.
9. DISTURBED AREAS INTENDED AS GREEN SPACE SHALL BE FINE GRADED, TOPSOILED, SEEDED AND MULCHED AT THE EARLIEST POSSIBLE STAGE IN THE CONSTRUCTION SEQUENCE.
10. 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, BERMS, 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.
11. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION PROCESS IS COMPLETE AND DISTURBED AREAS ARE STABILIZED.
12. CONTRACTOR SHALL MARK OUT INFILTRATION AREA WITH CONSTRUCTION FENCE DURING ALL STAGES OF CONSTRUCTION TO INSURE VEHICULAR TRAFFIC DOES NOT ENTER THIS AREA. DESIGN ENGINEER SHALL OBSERVE EXCAVATION OF INFILTRATION TRENCH AREA PRIOR TO PLACING STONE, FABRIC AND PIPING. THE SIDEWALLS AND BOTTOM OF INFILTRATION TRENCHES SHALL BE RAKED TO ELIMINATE SMOOTHED SOILS FROM MACHINE EXCAVATION. EXCAVATION OF THE INFILTRATION TRENCHES SHALL NOT TAKE PLACE WHEN SOILS ARE UNDULY WET. THE DRAINAGE SYSTEM SHALL NOT BE CONNECTED TO THE INFILTRATION TRENCHES UNTIL ALL CONTRIBUTING AREAS HAVE BEEN STABILIZED. CURTAIN DRAIN SHALL BE INSTALLED AFTER ADJACENT UPHILL SLOPE AND ALL CONTRIBUTION DRAINAGE AREAS HAVE ACHIEVED PERMANENT STABILIZATION. CURTAIN DRAIN SHALL NOT BE CONNECTED TO INFILTRATION SYSTEMS.

Lands Now or Formerly of  
**MATTHEW QUATRARO**  
Book 2815 Page 381  
Section 8510, Block 1, Lot 3

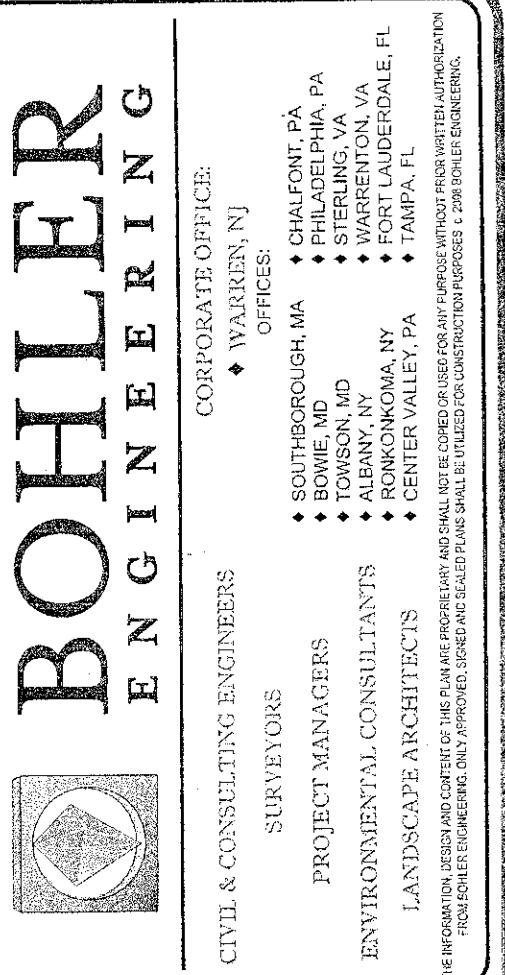
REFER TO SOIL EROSION CONTROL NOTES AND DETAILS FOR TYPICAL NOTES AND DETAILS

REFER TO GENERAL NOTES SHEET FOR THIS  
SHEET NOTES AND TYPICAL MASTER  
LEGEND

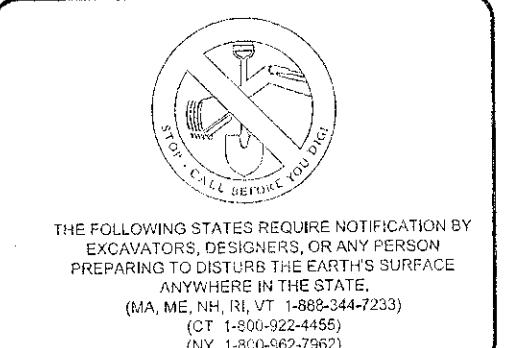
WILSON, JR. - APPROVAL AREA

WINNING BOARD  
OF BETHLEHEM  
COUNTY, NEW YORK  
Site Plan Approved.   
George Ferraro  
Chairman  
SPA 1579 PL  
CH 21, 2012

A graphic scale with markings for 20 and 40 feet. The scale is marked with a vertical line at 20 and a vertical line at 40. The distance between these two vertical lines is divided into four equal segments by three intermediate vertical tick marks. The entire scale is labeled '( IN FEET )' at the bottom.



REVISIONS			
REV	DATE	COMMENT	BY
1	07/28/11	REVISED PER TOWN COMMENTS	SMV
2	08/29/11	REVISED PER TOWN COMMENTS	BR
3	09/14/11	REVISED PER TOWN & DOT COMMENTS	SH
4	10/26/11	REVISED PER PLANNING COMMENTS	SH
5	11/10/11	REVISED PER TOWN ENG. COMMENTS	SH
6	01/09/12	FOR TOWN APPROVAL	SH
7	02/01/12	PER CLIENT COMMENTS	SH
8	02/13/12	FOR TOWN APPROVAL	SH
9			



PERMIT SET	
PROJECT No.:	B100149
DRAWN BY:	SG
CHECKED BY:	CEB
DATE:	9/27/10
SCALE:	AS SHOWN
CAD I.D.:	B100149SS10

PROJECT: **PROPOSED  
CONVENIENCE  
STORE  
MODIFICATIONS**

594 DELAWARE AVENUE  
TOWN OF BETHLEHEM  
ALBANY COUNTY, NY

A circular embossed seal for W.D. Gobbel, Professional Engineer. The outer ring contains the text "NEW YORK STATE BOARD OF PROFESSIONAL ENGINEERS" at the top and "APRIL 1971" at the bottom. The center of the seal contains the name "W.D. GOBEL" in large letters, with "DAVID" written vertically below "GOBEL". Below the name is a signature that appears to read "W.D. Gobbel". At the bottom of the seal, the text "PROFESSIONAL ENGINEER" is repeated, and at the very bottom, the date "07/20/81". The seal is embossed on a metal plate.

SHEET TITLE:

# EROSION & SEDIMENT CONTROL PLAN

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SHEET NUMBER:

6  
OF 10

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REV. 8