GENERAL

1. EXISTING TOPOGRAPHIC AND UTILITY INFORMATION TAKEN FROM SURVEY PREPARED BY (J. HENRY CARPENTER AND CO.).
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS PRIOR TO THE START OF HIS OPERATIONS AND SHALL COMPLY WITH THE LATEST INDUSTRIAL CODE RULE 753 REGULATIONS.
3. THE CONTRACTOR SHALL INSTALL CONSTRUCTION FENCE TO PROTECT ALL AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE.

GRADING NOTES

1. ALL LANDSCAPED AREAS AND CURBED ISLANDS SHALL RECEIVE A MINIMUM OF 4" OF TOPSOIL.
2. ALL UTILITY STRUCTURE CASTINGS SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH PROPOSED FINISHED GRADE.
3. THE BUILDING PAD SHALL BE GRADED TO EIGHT (8) INCHES BELOW THE FINISHED FLOOR ELEVATION. THE BUILDING PAD SHALL BE CROWNED TO SHED WATER. HIGH AND LOW SPOTS SHALL BE BALANCED SO THAT FINAL ELEVATION WILL BE EIGHT (8) INCHES BELOW FINISHED FLOOR.
4. THE BUILDING PAD AREAS SHALL BE COMPACTED TO NOT LESS THAN NINETY-FIVE (95) PERCENT MODIFIED PROCTOR FOR COHESION-LESS SOIL MATERIAL AND NINETY (90) PERCENT MODIFIED PROCTOR FOR COHESIVE SOIL MATERIAL IN ACCORDANCE WITH ASTM D1557.
5. SLOPES INSIDE DRAINAGE POND SHALL BE 3 HORIZONTAL TO 1 VERTICAL.
6. RETAINING WALLS WITHIN STORMWATER MANAGEMENT POND SHALL BE "STONE STRONG, LLC", OR EQUAL. GRAVITY WALLS TO BE USED ADJACENT TO THE ENTRY DRIVE.

EMBANKMENT STABILIZATION:

1. THE ON-SITE SOIL IS NOT SUITABLE AS STRUCTURAL FILL. THE REINFORCEMENT SOIL ZONE SHOULD CONSIST OF STRUCTURAL FILL MEETING THE GRADATION CRITERIA PRESENTED IN SECTION 10.5 OF THE SOILS REPORT. THE ZONE OUTSIDE THE REINFORCEMENT ZONE (AT LEAST 1 FOOT BEYOND ANY GEOGRIDS, ETC.) CAN CONSIST OF ON-SITE SOIL PROVIDED THAT IT IS THOROUGHLY COMPACTED AT NEAR OPTIMUM MOISTURE, WITH NO PARTICLES OVER 4 FEET AND NO DELETERIOUS MATERIALS (ORGANICS, DEBRIS, ETC.).
2. SLOPES 1.0 TO 1.0, REINFORCEMENT SHALL BE RIP-RAP STONE.
3. SLOPES 1.5 TO 1.0, REINFORCEMENT SHOULD BE A UMI-AXIAL GEOSYNTHETIC FABRIC WITH LONG TERM DESIGN STRENGTH CAPABLE OF RETAINING THE SLOPE (SECTION 9.8 OF THE SOILS REPORT). SUCH MATERIAL AS "TENSAR UX1100" (AS A MINIMUM) OR APPROVED EQUAL.
4. THE FACE OF THE SLOPE WILL REQUIRE TOPSOIL TO PROMOTE VEGETATIVE GROWTH. INORDER TO KEEP THE FACE FROM ERODING BEFORE VEGETATION CAN TAKE HOLD A WOVEN EROSION CONTROL MAT SUCH AS "MIRAMESH" BY TENCATE-MIRAFI OR APPROVED EQUAL.

NO.	REVISION	DATE
1	Submitted with DEIS	8/03/12
2	Issued as part of DEIS Acceptance	9/06/12

LEGEND

- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED SPOT ELEVATION
- SECTION DESIGNATION & ID
- PROPOSED RETAINING WALL
- BORING
- TEST PIT
- DRAIN INLET
- MANHOLE
- END SECTION

50 40 30 20 10 0 50 100

SCALE IN FEET

Surveyor: J. Henry Carpenter & Co.
2070 Saw Mill River Road
Yorktown Heights, NY 10598-4108
Tel: (914) 962-2689
Fax: (914) 962-2623

Wetland Consultant: Evans Associates
205 Amity Road
Bethany, CT 06524
Tel: (203) 393-0690
Fax: (203) 393-0196

Architect: Malvanny G2 Architects
1110 112th Avenue NE, Suite 500
Bellevue, WA 98004
Tel: (425) 463-2000
Fax: (425) 463-2002

Applicant: Retail Store Construction Co., Inc.
c/0 Breslin Realty Development
500 Old Country Road
Garden City, NY 11560
Tel: (516) 741-7400
Fax: (516) 741-7128

TRC Engineers, Inc.
7 Skyline Drive
Hawthorne, New York 10532
Tel: (914) 592-4040
Fax: (914) 592-5046
www.trcsolutions.com

© TRC Engineers, Inc.

UNDER ARTICLE 145 (ENGINEERING), SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW, IT IS UNLAWFUL FOR ANY PERSON TO ALTER ANY ITEM ON THIS DRAWING, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER. IF ANY ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

COSTCO WHOLESALE

U.S. Route 202 / N.Y. Route 35
Yorktown, New York

TITLE:

GRADING PLAN

SCALE:	1"= 50'
DATE:	11/16/11
DRAWN BY:	HGP
CHECKED BY:	JAM
PROJECT:	165213
DRAWING NO.:	C-201

C:\Acad\165\165213\dwg\Construction\Sheet Files Aug 2012\C-101\C-201 Site Plan.dwg