

## EROSION & SEDIMENT CONTROLS

PROCEDURES OUTLINED IN THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL WILL BE FOLLOWED THROUGHOUT THE DURATION OF CONSTRUCTION OF THIS PROJECT. THROUGHOUT CONSTRUCTION, EMPHASIS WILL BE PLACED ON PREVENTING EROSION OF THE DISTURBED AND EXPOSED SOIL WITHIN THE SITE. VEGETATIVE MEASURES SUCH AS SEEDING AND MULCHING WILL BE UTILIZED TO HELP PREVENT ERODING OF THE SOIL. BARE SOIL WILL BE SEDED WITHIN 15 DAYS OF EXPOSURE UNLESS CONSTRUCTION WILL BEGIN WITHIN 30 DAYS. IF CONSTRUCTION IS SUSPENDED, OR SECTIONS COMPLETED, AREAS WILL BE SEDED OR MULCHED IMMEDIATELY. SEDIMENT CONTROL CONCERN ARE ADDRESSED BY USE OF PERIMETER CONTROLS SUCH AS SILT FENCE AND STRAW BALES. IN ADDITION TO THESE MEASURES, OFF-SITE TRACKING OF SEDIMENT WILL BE MINIMIZED BY USE OF A STABILIZED CONSTRUCTION ENTRANCE. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEP DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WHICH IS PRONE TO BLOWING FROM THE WIND WILL BE COVERED WITH A TARPAULIN.

## SEED APPLICATION RATES

### TEMPORARY HYDROSEED STABILIZATION SHALL BE AS FOLLOWS:

SEED MIX:	% OF WEIGHT	% OF PURITY	% GERM.
ANNUAL RYE	100	90	85

FERTILIZER: PROVIDE FERTILIZER WHICH IS COMPLETE AND AT LEAST 50% OF THE TOTAL NITROGEN IS DERIVED FROM, UREAFORM. THE BALANCE OF NITROGEN SHALL BE PRESENT AS METHYLENE UREA, WATER SOLUBLE UREA, NITRATE AND AMMONIACAL COMPOUNDS. THE FERTILIZER SHALL HAVE THE FOLLOWING ANALYSIS:

10% NITROGEN  
6% PHOSPHORUS  
4% POTASH

### HYDRO-MULCH:

HYDRO-MULCH SHALL BE A WOOD-FIBER COMPOSITION (50% PAPER-50% WOOD)

### TEMPORARY SEEDING APPLICATION RATES ARE AS FOLLOWS:

SEED	160 POUNDS PER ACRE
FERTILIZER	600 POUNDS PER ACRE
HYDRO-MULCH	1000 POUNDS PER ACRE
WATER	500 GALLONS PER ACRE MINIMUM
INOCULATE	4 TIMES MANUFACTURER'S RECOMMENDED RATE

IF MULCHING IS NOT APPLIED WITH HYDROSEED MIXTURE, APPROVED MULCHING CONSISTING OF HYDROMULCH FIBER OR STRAW SHALL BE SPREAD EVENLY AT THE RATE OF 3 TONS PER ACRE, MULCH IS TO BE TACKED INTO PLACE. ALL SLURRY APPLICATIONS FOR SEEDING WITH A CELLULOSE TACTIFER MUST BE ACCOMPANIED BY A STRAW MULCH BINDER AT THE RATE OF 3 TONS PER ACRE.

### PERMANENT HYDROSEED (OR APPROVED EQUAL DRY SEED)

#### STABILIZATION SHALL BE AS FOLLOWS:

LOFTS SEED LOW MAINTENANCE RUNWAY/ROADSIDE MIXTURE SEED MIX: PROVIDE THE FOLLOWING VARIETIES MIXED IN THE PROPORTIONS BY WEIGHT SHOWN.

% OF WEIGHT	% OF PURITY	% GERM.
REBEL JR. "TURF TYPE" TALL FESCUE	60	95
SALTY ALKALIGRASS	30	95
RELIANT HARD FESCUE	10	95

FERTILIZER: PROVIDE FERTILIZER WHICH IS COMPLETE AND AT LEAST 50% OF THE TOTAL NITROGEN IS DERIVED FROM, UREAFORM. THE BALANCE OF NITROGEN SHALL BE PRESENT AS METHYLENE UREA, WATER SOLUBLE UREA, NITRATE AND AMMONIACAL COMPOUNDS. THE FERTILIZER SHALL HAVE THE FOLLOWING ANALYSIS:

10% NITROGEN  
6% PHOSPHORUS  
4% POTASH

MULCH: HYDRO-MULCH SHALL BE CONWED HYDROMULCH OR CONWED HYDROMULCH 2000 FIBER (WITH TACK), OR APPROVED EQUAL. ALL SLURRY APPLICATIONS FOR SEEDING WITH A CELLULOSE TACKIFER MUST BE ACCOMPANIED BY A STRAW MULCH BINDER AT THE RATE OF 3 TONS PER ACRE.

### PERMANENT HYDROSEED APPLICATION RATES ARE AS FOLLOWS:

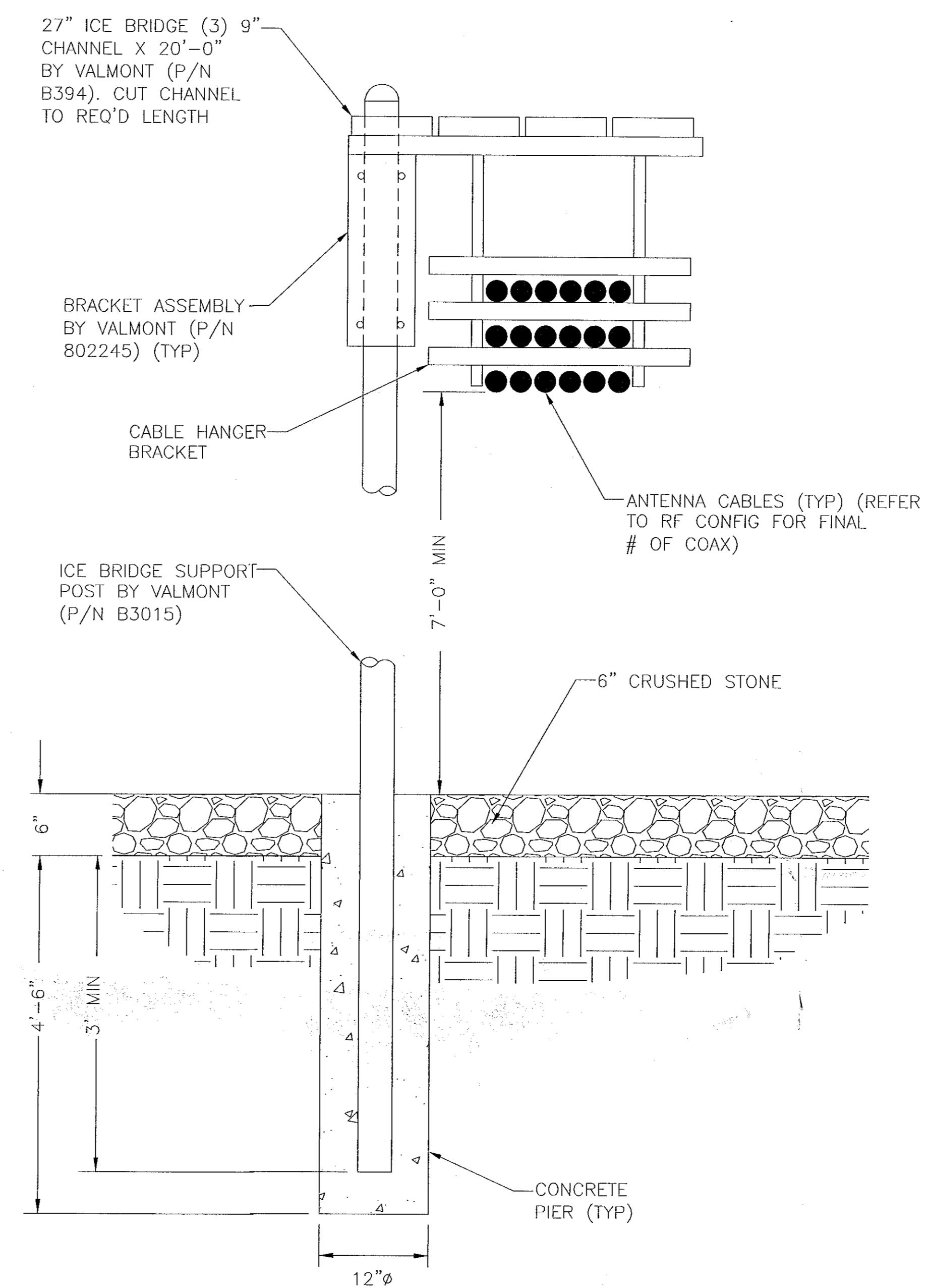
SEED, FERTILIZER, HYDROMULCH, WATER AND INOCULATE SHALL BE THOROUGHLY MIXED IN THE HYDROSEEDING MIXING TANK PRIOR TO APPLICATION.

### PERMANENT LAWN AREA: APPLICATION RATES ARE AS FOLLOWS:

SEED	200 POUNDS PER ACRE
FERTILIZER	1000 POUNDS PER ACRE
LIMING RATE	1 TON PER ACRE
HYDROMULCH	1200 POUNDS PER ACRE
WATER	500 GALLONS PER ACRE MINIMUM
INOCULATE	4 TIMES MANUFACTURER'S RECOMMENDED RATE.

IF MULCHING IS NOT APPLIED WITH HYDROSEED MIXTURE, APPROVED MULCHING CONSISTING OF HYDROMULCH FIBER OR STRAW SHALL BE SPREAD EVENLY AT THE RATE OF 3 TONS PER ACRE. MULCH IS TO BE TACKED INTO PLACE.

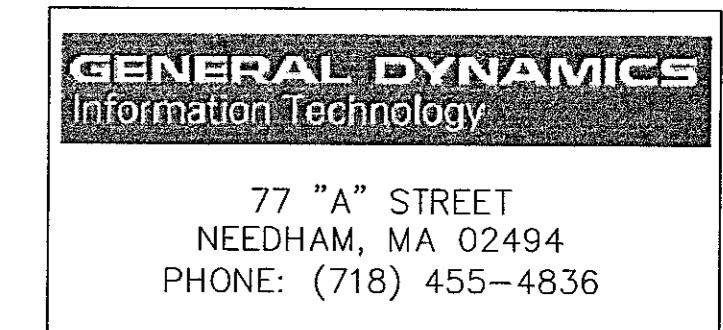
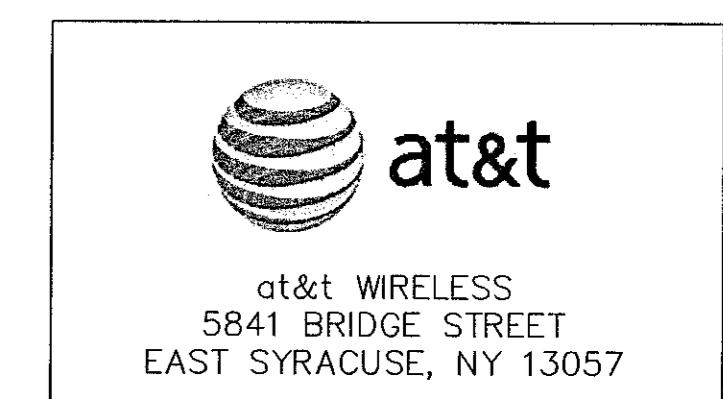
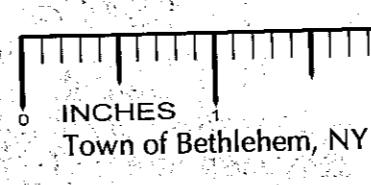
PARKING AREAS OF THE SITE WILL BE STABILIZED BY APPLYING STONE SUB-BASE. SEEDING SEASON DATES: 4/1-6/15 OR 8/16-10/15



**ICE BRIDGE DETAIL**  
N.T.S.

### NOTES:

1. USE VALMONT PARTS OR APPROVED EQUAL.
2. SUPPORT POSTS SHALL BE LOCATED ON ALTERNATING SIDES OF ICE BRIDGE, SPACED NO MORE THAN 6'-0".
3. ANY SPLICES OR CANTILEVERED SECTIONS OF THE ICE BRIDGE SHALL BE LOCATED WITHIN 2'-0" OF A SUPPORT POST.



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER TO DRAW, PUBLISH, OR FILE THIS DOCUMENT. UNLESS EXPLICITLY AGREED TO BY THE ENGINEER IN WRITING, THE ENGINEER DISCLAIMS ALL LIABILITY ASSOCIATED WITH THE REUSE, ALTERATION OR MODIFICATION OF THE CONTENTS HEREIN.

DESIGNED BY: DRB DATE: 5/5/09  
APPROVED BY: DWC A&E PROJECT #: 09-BV-172

REVISIONS	
12.	4/5/11 ROTATED AT&T SHELTER
11.	4/1/11 REVISED PER REDLINES
10.	3/30/11 REVISED PER REDLINES
9.	3/3/11 REVISED PER REDLINES
8.	2/7/11 REVISED PER REDLINES
7.	2/3/11 REVISED PER REDLINES
NO.	DATE DESCRIPTION

RECEIVED  
MAY 2 2011  
Town of Bethlehem  
Planning Board



PLANNING BOARD TOWN OF BETHLEHEM ALBANY COUNTY, NEW YORK	
This Site Plan Approved.	
Signature: <i>George J. Finner</i>	
Title: CIVIL ENGINEER	
Date: May 17, 2011 SPA-170/Sup14	
SITE NAME: ESCO TOWER DELMAR-VAN DYKE ROAD	
SITE NUMBER: A-04-010	
SITE ADDRESS: 75 VAN DYKE ROAD DELMAR, NEW YORK 12054	
SITE TYPE: RAW LAND	
SHEET TITLE: DETAILS	
DRAWING #: Z7 REVISION: 12	