

## 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 SEEDED WITHIN 15 DAYS OF EXPOSURE UNLESS CONSTRUCTION WILL BEGIN WITHIN 30 DAYS. IF CONSTRUCTION IS SUSPENDED, OR SECTIONS COMPLETED, AREAS WILL BE SEEDED OR MULCHED IMMEDIATELY. SEDIMENT CONTROL CONCERNS 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 SWEEPED 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 TARPULIN.

## 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 TACTIFIER 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	85
SALTY ALKALIGRASS	30	95	85
RELANT HARD FESCUE	10	95	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

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 TACKIFIER MUST BE ACCOMPANIED BY A STRAW MULCH BINDER AT THE RATE OF 3 TONS PER ACRE.

PERMANENT HYDROSEED APPLICATION RATES ARE AS FOLLOWS:

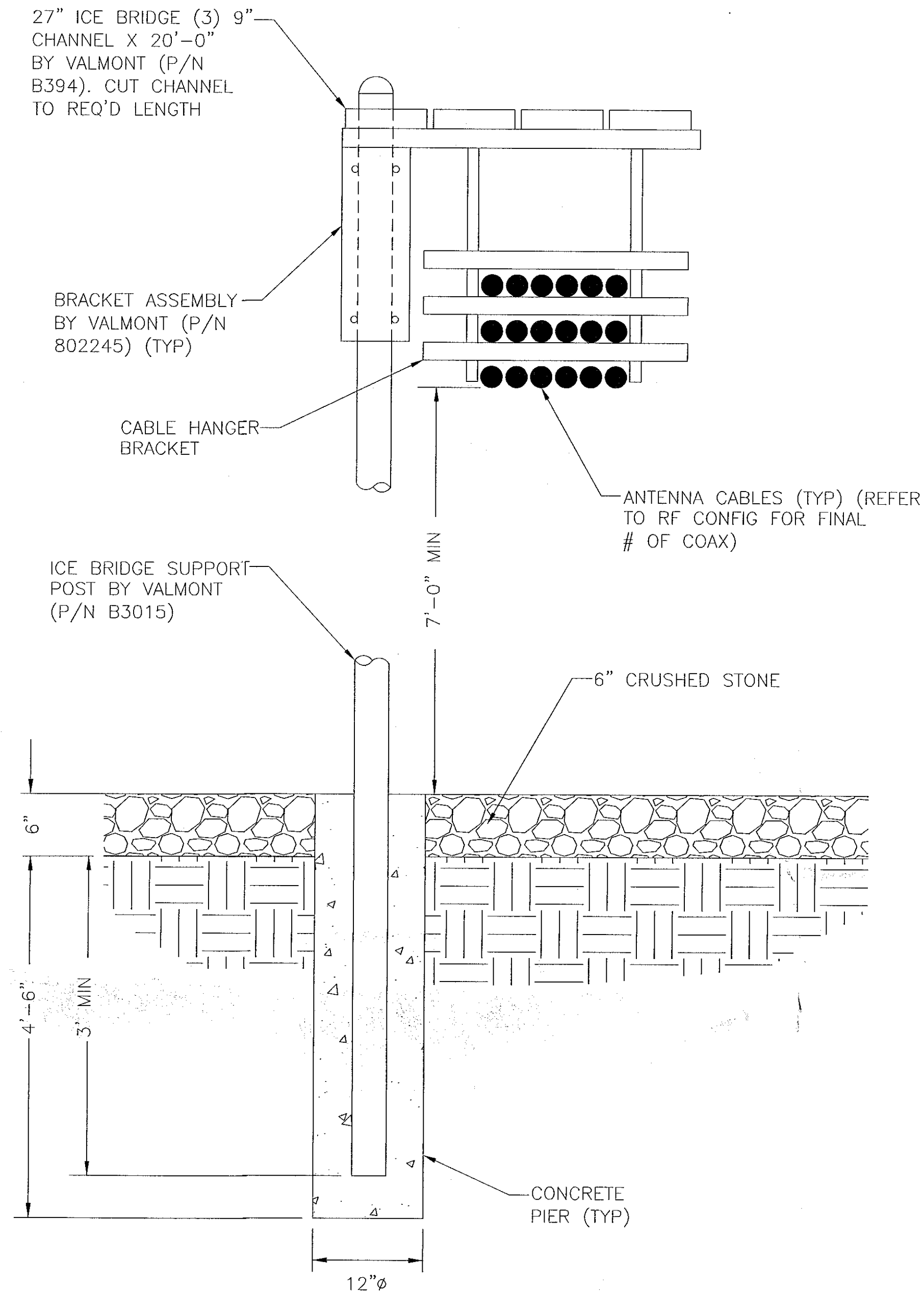
SEED, FERTILIZER, HYDROMULCH, WATER AND INOCULATE SHALL BE THOROUGHLY MIXED IN THE HYDROSEEDING MIXING TANK PRIOR TO APPLICATION.

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.

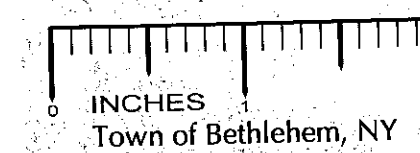
PARKING AREAS OF THE SITE WILL BE STABILIZED BY APPLYING STONE SUB-BASE. SEEDING SEASON DATES: 4/1-6/15 OR 8/16-10/15



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.



Town of Bethlehem, NY



at&t WIRELESS  
5841 BRIDGE STREET  
EAST SYRACUSE, NY 13057



77 "A" STREET  
NEEDHAM, MA 02494  
PHONE: (718) 455-4836



DEVELOPMENT DESIGN  
RESIDENTIAL|COMMERCIAL|WIRELESS|ENERGY  
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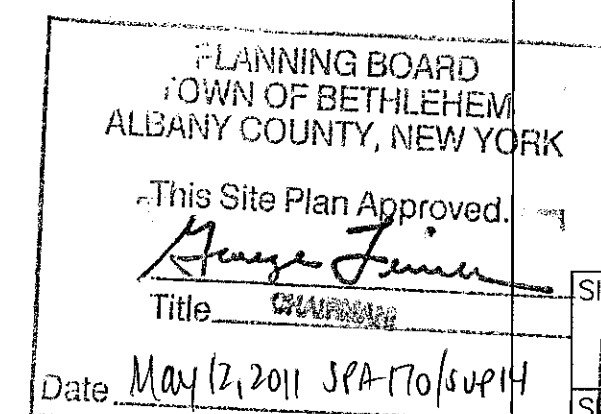
DESIGNED BY:	DRB	DATE:	5/5/09
APPROVED BY:	DWC	A&E PROJECT #:	09-BV-172

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 Dept.



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