



STATE OF NEW YORK  
OFFICE OF GENERAL SERVICES  
DESIGN AND CONSTRUCTION GROUP  
THE GOVERNOR NELSON A. ROCKEFELLER  
EMPIRE STATE PLAZA  
ALBANY, NY 12242



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**ADDENDUM NO. 2 TO PROJECT NO. 44546**

**CONSTRUCTION WORK  
REMEDiate FIRING RANGE  
ARTHUR KILL CORRECTIONAL FACILITY  
2911 ARTHUR KILL ROAD  
STATEN ISLAND, NEW YORK 10309**

February 26, 2014

**NOTE:** This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

**SPECIFICATIONS**

1. Specification Section 329301 – PLANTINGS; noted “ADDENDUM SPECIFICATION 02/26/2014” accompanies this Addendum and forms part of the Contract Documents.
2. PLANT LIST – Appendix to Specification Section 329301; noted “ADDENDUM 02/26/2014” accompanies this Addendum and forms part of the Contract Documents.

**DRAWINGS**

3. Addendum Drawings:
  - a. Drawing C-107 – PLANTING PLAN, noted “ADDENDUM DRAWING 02/26/2014” accompanies this Addendum and forms part of the Contract Documents; indicates areas for plantings and associated extension of Contract Limit Lines and Silt Fence/Hay Bales
  - b. Drawing C-108 – SHRUB PLANTING DETAIL, noted “ADDENDUM DRAWING 02/26/2014” accompanies this Addendum and forms part of the Contract Documents
  - c. Drawing C-109 – SILT FENCE WITH HAY BALE DETAIL; to be used in conjunction with SILT FENCE DETAIL from Drawing C-105; noted “ADDENDUM DRAWING 02/26/2014” accompanies this Addendum and forms part of the Contract Documents

**END OF ADDENDUM**

Margaret F. Larkin  
Acting Executive Director

**SECTION 329301**

**PLANTINGS**

**PART 1 GENERAL**

**1.01 RELATED WORK SPECIFIED ELSEWHERE**

- A. Topsoil: Section 310101.

**1.02 REFERENCES**

- A. Plant Nomenclature: Conform to the latest edition of "Standardized Plant Names" as adopted by the American Joint Committee of Horticultural Nomenclature.
- B. Size and Grading Standards: Conform to the current edition of "American Standard for Nursery Stock" - Sponsor - the American Association of Nurserymen Inc., unless otherwise specified.

**1.03 SUBMITTALS**

- A. List of Plants: Before plant material is shipped to the project site, submit a complete itemized list of all plants including the source of supply.
- B. Product Data: Furnish the following with each planting material delivery.
  - 1. Invoice indicating sizes and variety of plant material.
  - 2. Certificates of inspection required by State and Federal agencies.
  - 3. Labels for each plant or bundles of plants indicating name and size.
- C. Quality Control Submittals:
  - 1. Worker's Qualifications Data: Names and addresses of 5 similar projects that each person has worked on during the past 2 years.

**1.04 QUALITY ASSURANCE**

- A. Worker's Qualifications: The persons performing the planting and their supervisor shall be personally experienced in the planting and caring of plant material and shall have been regularly employed by a company engaged in the planting and caring of plant material for a minimum of 2 years.
- B. Caliper trees up to 4 inches in caliber at a point 6 inches above ground and trees over 4 inches in caliber 12 inches above ground.
- C. Do not use woody plant material from regions south of latitude 39 degrees unless such material has been lined out in nurseries located north of latitude 39 degrees for at least 2 growing seasons. Latitude 39 degrees is approximately a line from Annapolis, MD to Cincinnati, OH.

**1.05 DELIVERY, STORAGE AND HANDLING**

- A. Notify the Director's Representative 48 hours in advance of delivery of plant material.
- B. Protect plants against climatic and mechanical injuries.
- C. Deliver fertilizer in manufacturer's standard sized bags showing weight, analysis, and manufacturer's name. Store under a waterproof cover or in a dry place as designated by the Director's Representative.

**1.06 PROJECT CONDITIONS**

- A. Water is not available from existing State facilities. Provide all water, hoses and materials required to adequately water plants.

**1.07 SCHEDULING**

- A. Plant deciduous, woody plants between October 1 and May 15 whenever temperature is above 32 degrees F and soil is in workable condition, unless otherwise approved in writing.
- B. Plant evergreens between August 15 and September 15 or during April or May before start of new growth.

**1.08 PLANTING GUARANTEE**

- A. The guarantee shall extend for a period of one year from the date of physical completion. Physical completion for the Work of this Section is the date or dates when all the planting operations, or seasonal portions of the planting operations, or replacement planting operations have been completed and are accepted by the Director's Representative.

**PART 2 PRODUCTS**

**2.01 PLANTS**

- A. Shrubs:
  - 1. Nursery grown stock unless otherwise indicated in the itemized plant list.
  - 2. Acclimated plants true to genus and species.
  - 3. Well developed root and branch systems. Do not prune branches before delivery.
  - 4. Free of disease, insect eggs, bark abrasions, and disfiguring knots.
  - 5. Buds intact and reasonably closed at time of planting.
  - 6. Balled and burlapped from soil which will hold a natural ball. Manufactured balls are unacceptable.
  - 7. Conform to size indicated or larger, or within the minimum maximum size when so indicated. Larger plants cut back to specified dimensions will not be accepted.

**2.02 PLANTING SOIL**

- A. Topsoil for Planting Soil: Obtain from outside sources.
- B. Soil Amendments (For every 4 cu yd of topsoil):
  - 1. Peat Moss: 7-1/2 cu ft bale or 15 bushels (loose measure).
  - 2. Fertilizer: 5 lb.
  - 3. Bonemeal: 80 lb.
- C. In the presence of the Director's Representative, place the soil amendments over the topsoil piles and turn over the combined elements a minimum of 3 times until thoroughly mixed.

**2.03 FERTILIZER**

- A. Bonemeal: Commercial, steamed finely ground material containing not less than 1.0 percent nitrogen and 11 percent phosphoric acid.
- B. Commercial Fertilizer (10-6-4): Containing not less than 10 percent nitrogen, 6 percent available phosphoric acid and 4 percent water soluble potash.

**2.04 MULCH**

- A. Wood Chips: Hardwood or softwood chips produced by a standard wood chipping machine, free of leaves, young green growth, wood shavings, sawdust, or any foreign material. Chips shall not exceed 3 inches in greatest dimension.
- B. Shredded Wood: Wood fiber produced from either hardwood or softwood trees, free of tannic acid, leaves, young green growth, wood shavings, sawdust or other objectionable foreign material.

**2.05 MISCELLANEOUS MATERIALS**

- A. Anti-desiccants: Wilt-Pruf by Wilt-Pruf Products, Inc., P.O. Box 469, Essex, CT 06426, (203) 767-7033.

**PART 3 EXECUTION**

**3.01 INSPECTION**

- A. Do not plant any plant material until after inspection and approval in writing of plant shipments. Secure written approval of any substitutions before planting. Remove rejected material from planting areas.

**3.02 PREPARATION**

- A. Planting Layout:
  - 1. Stake out shrub locations and planting areas.
  - 2. Obtain layout approval from the Director's Representative prior to excavations of plant pits and beds.
  
- B. Plant Pit Dimensions:
  - 1. Balled and Burlapped Plants:
    - a. Pit Depth: Not to exceed the ball depth.
    - b. Pit Width: Measured at the ground surface, 3 times the width of the ball or as indicated.
  - 2. Container Grown Plants: 3 times the diameter of the container measured at the ground surface.
  - 3. Bare Root Plants: Diameter equal to width of roots spread to natural position plus 24 inches, measured at the ground surface.
  
- C. Excavation: Excavate pits to the dimensions specified. Dispose of excavated material off the site unless otherwise directed.

### 3.03 PLANTING

- A. Setting Plants:
  - 1. Backfill pits with planting soil and firm to the level upon which plants were previously growing. Set plants plumb. Plant budded or grafted plants 2 inches below bud or graft line. Complete backfilling with planting soil and settle continually with water.
  - 2. Balled Plants: Set plants in position and backfill 1/3 depth of ball. Remove burlap from top and adjust to eliminate air pockets. Complete backfill and settle with water.
  - 3. Bare-root Plants: Set plant in position and place planting soil around roots settling with water. Use care to avoid bruising or breaking roots when firming soil. Prune bruised or broken roots.
  
- B. Anti-Desiccant: Apply anti-desiccant spray to broadleaved ericaceous plants planted in the Fall season, as directed.
  
- C. Surface Finish: Form saucer as indicated on Drawings or as directed. Grade soil to form a basin on lower side of slope plantings, which will catch and retain water. Top dress basins with fertilizer spread evenly at the rate of 1-1/2 pounds per square yard of plant pit surface. Break saucers and basins before ground freezes.
  
- D. Mulching:
  - 1. Spread mulch over finished surface of each plant, plant bed and hedge trench in the following amounts:
    - a. Wood Chips: 3 inches.
    - b. Shredded Wood: 2 inches.

2. Water plants thoroughly after mulching.
- E. Pruning: Prune immediately after planting using sharp tools approved by the Director's Representative. Remove approximately 1/3 of the wood of deciduous plants, maintaining the natural habit of the plant. Cut no leaders.
- F. Establishment of Planting: Maintain plantings immediately following planting operations and continue throughout the guarantee period. Establishment of plantings shall consist of keeping plants in healthy, growing conditions by watering, weeding, cultivating, pruning, spraying, tightening of guys, remulching and by any other necessary operations of establishment. Water all plants at least once a week between April 1 and October 31 with approximately 5 gallons per square yard (1 inch layer of water) per watering unless otherwise directed. Provide additional watering during periods of dry weather when required or when directed. Treat plants with good horticultural preventative or remedial measures to control insects, diseases or rodents.

### **3.04 INSPECTIONS AND REPLACEMENTS**

- A. The following inspections apply only to this Section and supersede inspections specified in Section 017716.
  1. Physical Completion Inspection and Replacements: Notify the Director in writing at least ten days prior to requested date of physical completion inspection. Remove and replace dead, unhealthy or badly impaired plants according to the original specification, if so directed. Replace plants during the next planting season if this inspection is not within a planting season.
  2. End of Guarantee Inspection and Replacements: Remove stakes, guy wires and tree wrapping at the end of the one year guarantee period unless otherwise directed. Remove and replace dead, unhealthy or impaired plants according to original specification, as directed. Replace plantings during the next planting season if end of guarantee period is not within a planting season.

#### **END OF SECTION**

PLANT LIST provided as Appendix to this Section

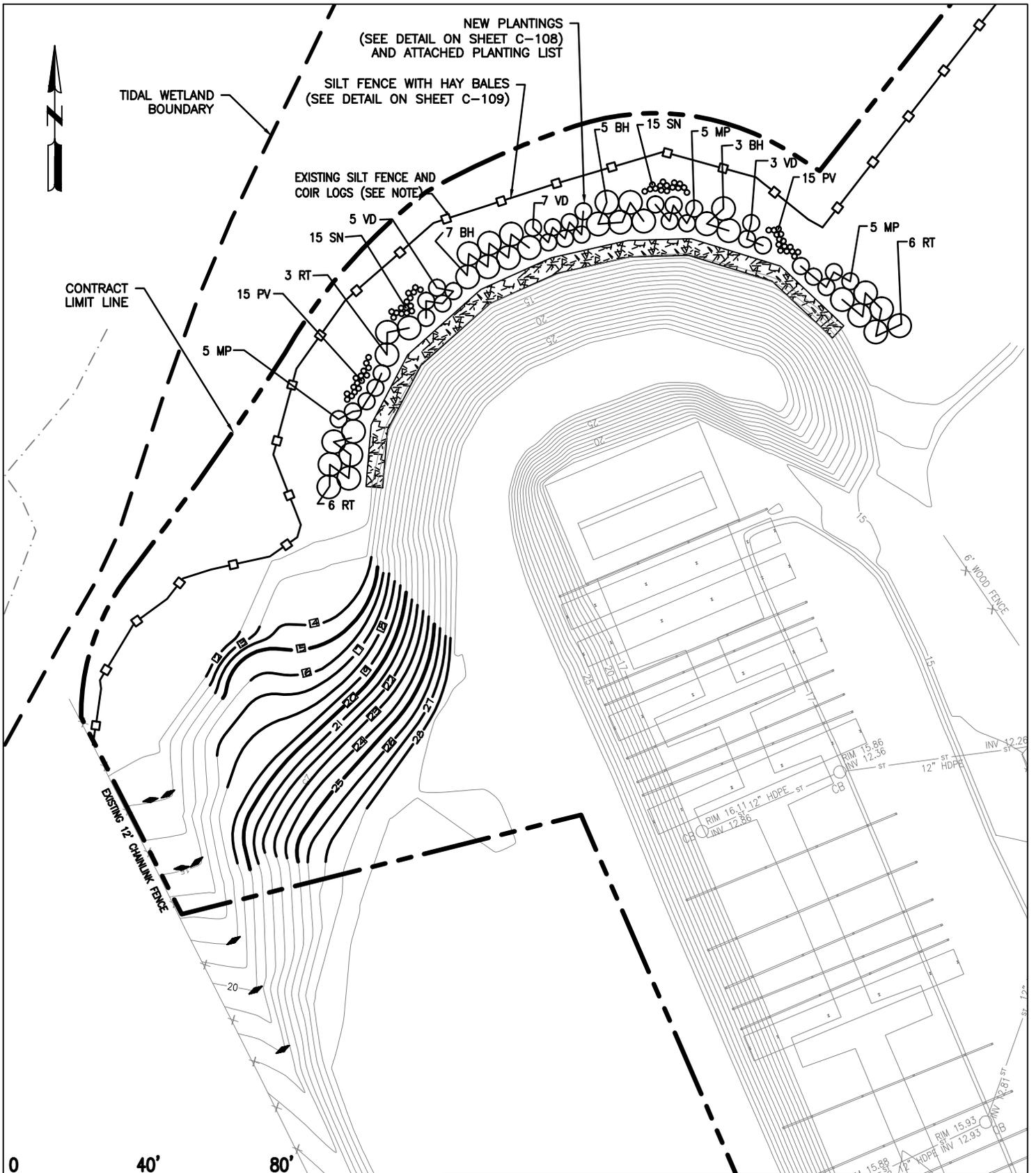
<b>PLANT LIST (Appendix to Specification 329301)</b>
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Quantity	Symbol	Trade Name	Common Name	Type	Root Structure	Size	Plant Spacing	Remarks
15	BH	Baccharis halimifolia	Groundsel Bush	Shrub	Container	2 Gal.	7' o.c. / As Directed	Min. 2.5' Ht.
15	MP	Myrica pennsylvanica	Bayberry	Shrub	Container	5 Gal.	5' o.c. / As Directed	Min. 2.5' Ht. Heavy Apply anti-desiccant
15	RT	Rhus typhina	Staghorn Sumac	Shrub	Container	3 Gal.	7' o.c. / As Directed	Min. 2.5' Ht.
15	VD	Viburnum dentatum	Arrowwood	Shrub	Container	3 Gal.	5' o.c. / As Directed	Min. 2.5' Ht.
30	PV	Panicum virgatum	Switchgrass	Culm	Container	1 Gal.	18" o.c. / As Directed	Min. 2.5' Ht.
30	SN	Sorghastrum nutans	Indian Grass	Culm	Container	1 Gal.	18" o.c. / As Directed	Min. 2.5' Ht.

## Notes:

- Plant material is as required by NYSDEC permit. Substitutions not accepted without prior written approval from NYSDEC.

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ADDENDUM DRAWING 02/26/2014

SHEET TITLE: PLANTING PLAN

PROJECT: REMEDIATE FIRING RANGE ARTHUR KILL CORRECTIONAL FACILITY 2911 ARTHUR KILL ROAD STATEN ISLAND, NEW YORK 10309-1101

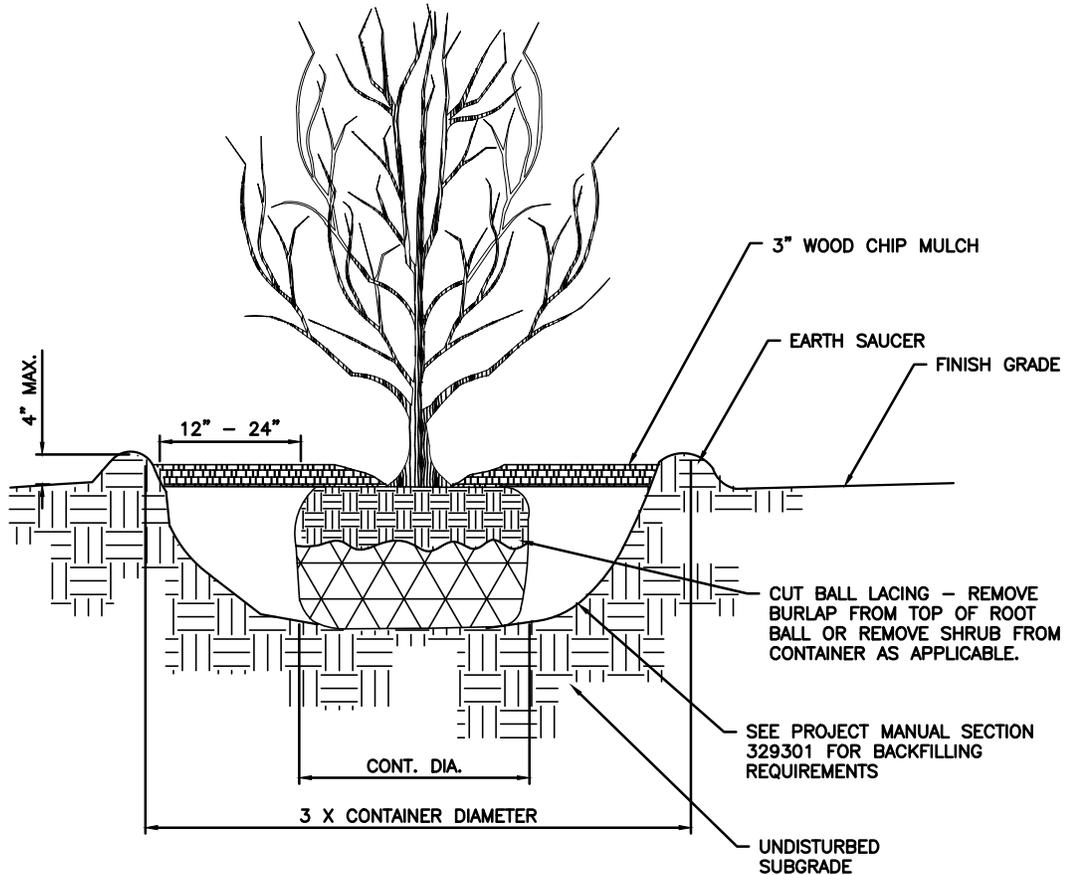
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DWG NO. C-107

CONTRACT: CONSTRUCTION  
 PROJ. NO.: 44546-C  
 DATE: FEBRUARY 26, 2014  
 DRAWN: B. BUCKINGHAM  
 APPROVED: R. WOODMANSEE

C&S Engineers, Inc.  
 499 Col. Eileen Collins Blvd.  
 Syracuse, New York 13212  
 Phone: 315-455-2000  
 Fax: 315-455-9667  
 www.cscos.com

Feb 26, 2014 - 11:48am  
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DECIDUOUS SHRUB  
 NOT TO SCALE

ADDENDUM DRAWING 02/26/2014

SHEET TITLE: SHRUB PLANTING DETAIL

PROJECT: REMEDIATE FIRING  
 RANGE ARTHUR KILL CORRECTIONAL FACILITY  
 2911 ARTHUR KILL ROAD  
 STATEN ISLAND, NEW YORK 10309-1101

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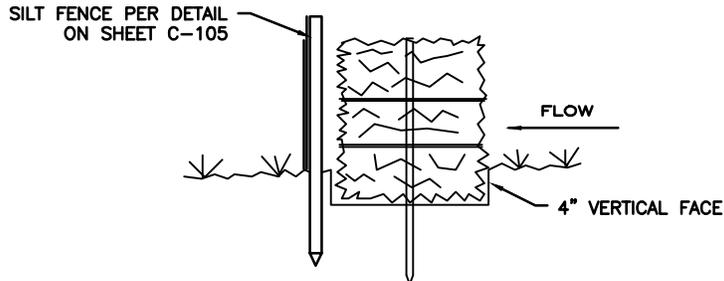
DWG NO.

C-108



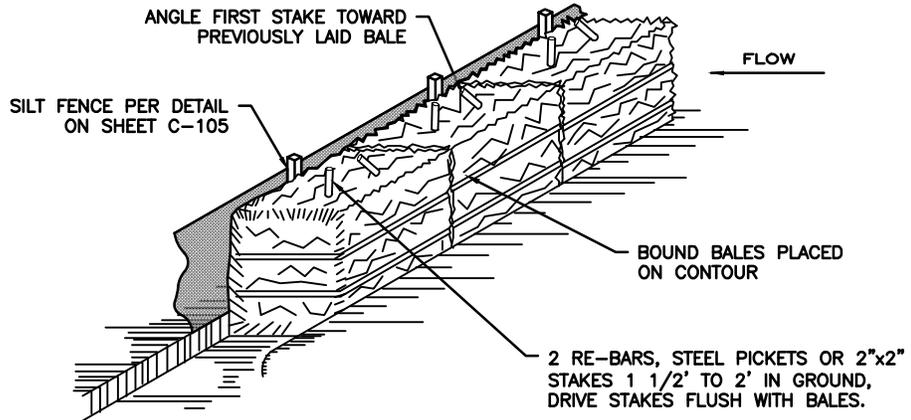
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**HAY BALE DETAIL**  
NOT TO SCALE

DRAINAGE AREA NO MORE THAN 1/4 AC. PER 100 FEET OF STRAW BALE DIKE FOR SLOPES LESS THAN 25%



**ANCHORING DETAIL**  
NOT TO SCALE

**CONSTRUCTION SPECIFICATIONS**

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

ADDENDUM DRAWING 02/26/2014

SHEET TITLE: SILT FENCE WITH HAY BALES DETAIL

PROJECT: REMEDIATE FIRING RANGE ARTHUR KILL CORRECTIONAL FACILITY 2911 ARTHUR KILL ROAD STATEN ISLAND, NEW YORK 10309-1101

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