



















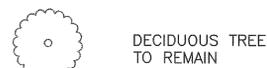




# LEGEND

- PROPERTY LINE
- - - - - LIMIT OF DISTURBANCE
- ▼ SECTION LINE

## EXISTING CONDITIONS



DECIDUOUS TREE TO REMAIN

## PROPOSED CONDITIONS



RIPARIAN BUFFER W/ TYPE 1 SEED MIX



RIPARIAN BUFFER W/ TYPE 2 SEED MIX



CANOPY TREE



FLOWERING OR MULTISTEM TREE



SAPLING WITH TREE SHELTER



SHRUBS



PERENNIALS

## PLANTING NOTES

1. IF DISCREPANCIES EXIST BETWEEN THE NUMBER OF PLANTS DRAWN ON THE PLANTING PLAN AND THE NUMBER OF PLANTS IN THE PLANT SCHEDULE, THE PLANTING PLAN SHALL GOVERN.
2. ALL NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
3. ALL PLANT MATERIAL SHALL BE NURSERY GROWN. NO FIELD-COLLECTED SPECIMENS WILL BE ALLOWED.
4. ALL NEW PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER-GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
5. THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
6. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE ONLY AFTER WRITTEN APPROVAL OF THE PRIME CONTRACTOR.
7. ALL NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE PRIME CONTRACTOR AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
8. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE PRIME CONTRACTOR. NO TREES SHALL BE PLANTED CLOSER THAN TEN FEET (10') TO ANY UNDERGROUND WATER AND DRAINAGE LINES OR STRUCTURES.
9. STAKE LOCATION OF ALL PROPOSED PLANTING FOR APPROVAL BY THE PRIME CONTRACTOR PRIOR TO BEGINNING PLANTING.
10. NO TREES OR SHRUBS SHALL BE PLANTED BEFORE ACCEPTANCE OF FINAL GRADING BY PRIME CONTRACTOR.
11. ALL EXISTING TREES TO REMAIN SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION. PROTECTION TECHNIQUES SHALL BE REVIEWED AND APPROVED BY THE PRIME CONTRACTOR.
12. ALL AREAS TO BE SEEDDED SHALL RECEIVE THREE INCHES (3") OF TOPSOIL, MEASURED AFTER COMPACTION, PRIOR TO SEEDING. PROVIDE EROSION CONTROL FABRIC ON ALL SLOPES GREATER THAN 3H:1V TO PREVENT LOSS OF SEED AND LOAM.
13. PRUNE TREES IN ACCORDANCE WITH THE SPECIFICATIONS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED, STOLEN, DEAD, DECLINING OR LOST MATERIAL UNTIL COMPLETION OF MAINTENANCE AND GUARANTEE PERIODS.

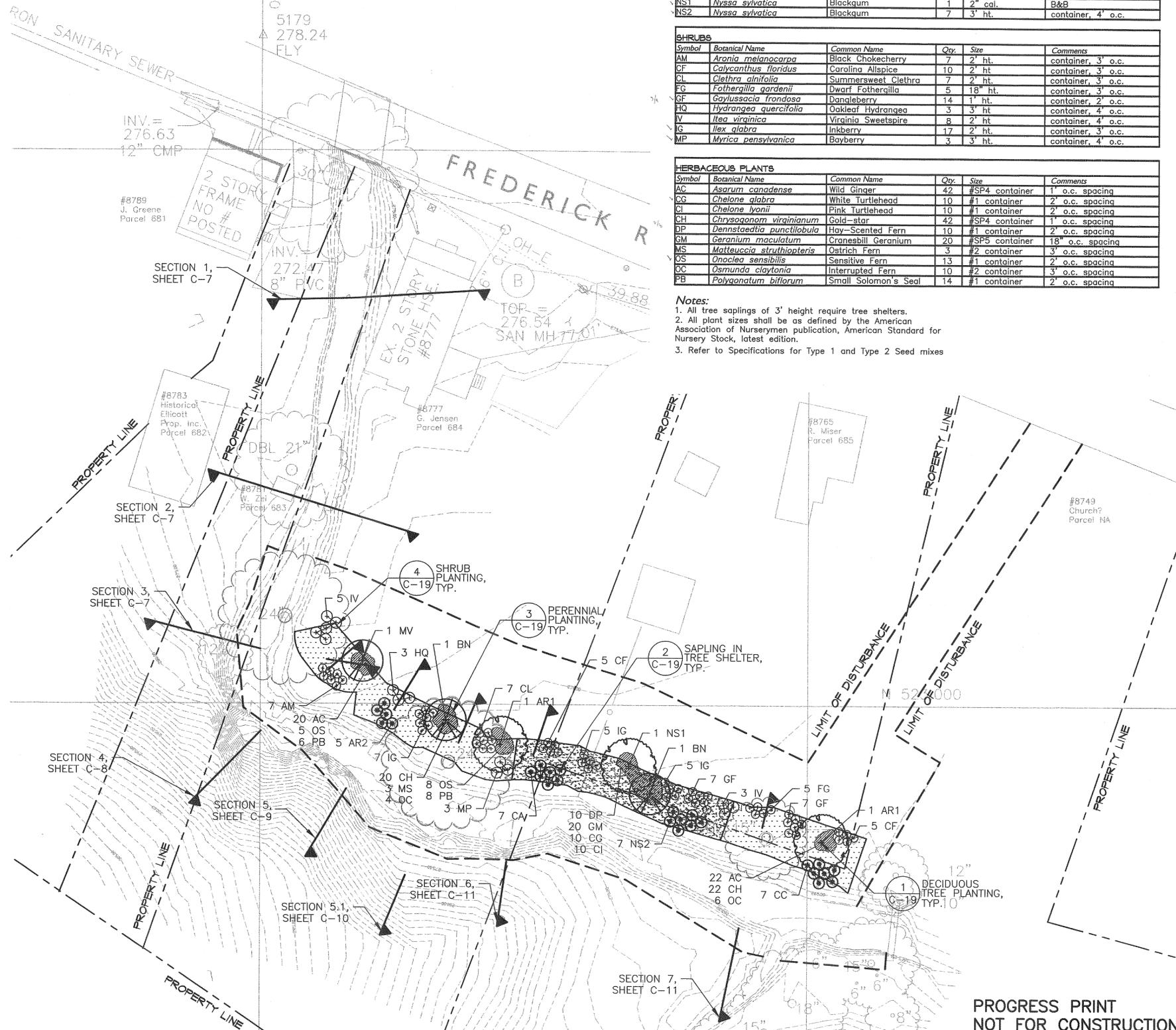
## PLANT SCHEDULE

Symbol	Botanical Name	Common Name	Qty.	Size	Comments
AR1	<i>Acer rubrum</i>	Red Maple	2	8' ht.	B&B, 3-5 stems, clump
AR2	<i>Acer rubrum</i>	Red Maple	5	6' ht.	container, 4' o.c.
BN	<i>Betula nigra</i>	River Birch	2	8' ht.	3-5 stems, clump
CC	<i>Carpinus caroliniana</i>	American Hornbeam	7	3' ht.	container, 4' o.c.
CA	<i>Cornus alternifolia</i>	Alternate-Leaf Dogwood	7	3' ht.	container, 4' o.c.
MV	<i>Magnolia virginiana</i>	Sweetbay Magnolia	1	8' ht.	B&B, 3-5 stems, clump
NS1	<i>Nyssa sylvatica</i>	Blackgum	1	2" cal.	B&B
NS2	<i>Nyssa sylvatica</i>	Blackgum	7	3' ht.	container, 4' o.c.

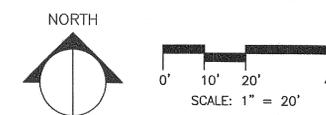
Symbol	Botanical Name	Common Name	Qty.	Size	Comments
AM	<i>Aronia melanocarpa</i>	Black Chokecherry	7	2' ht.	container, 3' o.c.
CF	<i>Calycanthus floridus</i>	Carolina Allspice	10	2' ht.	container, 3' o.c.
CL	<i>Clethra alnifolia</i>	Summersweet Clethra	7	2' ht.	container, 3' o.c.
FG	<i>Fothergilla gardenii</i>	Dwarf Fothergilla	3	18" ht.	container, 3' o.c.
GF	<i>Gaylussacia frondosa</i>	Danaleberry	14	1' ht.	container, 2' o.c.
HQ	<i>Hydrangea quercifolia</i>	Oakleaf Hydrangea	3	3' ht.	container, 4' o.c.
IV	<i>Itea virginica</i>	Virginia Sweetspire	8	2' ht.	container, 4' o.c.
IG	<i>Ilex glabra</i>	Inkberry	17	2' ht.	container, 3' o.c.
MP	<i>Myrica pensylvanica</i>	Bayberry	3	3' ht.	container, 4' o.c.

Symbol	Botanical Name	Common Name	Qty.	Size	Comments
AC	<i>Asarum canadense</i>	Wild Ginger	42	#SP4 container	1' o.c. spacing
CG	<i>Chelone glabra</i>	White Turtlehead	10	#1 container	2' o.c. spacing
CH	<i>Chelone lyonii</i>	Pink Turtlehead	10	#1 container	2' o.c. spacing
CI	<i>Chrysoqanom virginianum</i>	Gold-star	42	#SP4 container	1' o.c. spacing
DP	<i>Dennstaedtia punctilobula</i>	Hay-Scented Fern	10	#1 container	2' o.c. spacing
GM	<i>Geranium maculatum</i>	Cranesbill Geranium	20	#SP5 container	18" o.c. spacing
MS	<i>Matteuccia struthiopteris</i>	Ostrich Fern	3	#2 container	3' o.c. spacing
OS	<i>Osmoclea sensibilis</i>	Sensitive Fern	13	#1 container	2' o.c. spacing
OC	<i>Osmunda claytonia</i>	Interrupted Fern	10	#2 container	3' o.c. spacing
PB	<i>Polygonatum biflorum</i>	Small Solomon's Seal	14	#1 container	2' o.c. spacing

- Notes:**
1. All tree saplings of 3' height require tree shelters.
  2. All plant sizes shall be as defined by the American Association of Nurserymen publication, American Standard for Nursery Stock, latest edition.
  3. Refer to Specifications for Type 1 and Type 2 Seed mixes



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U.S. Army Corps of Engineers  
Baltimore District

Rev.	Date	Description

Designed by: DR, MS	Date: NOV. 2003	Rev.
Dwn by: TC	Design file no.	
Reviewed by: DB	Drawing Number: F-xxx-xx-xx	
Submitted by: DB	File name: C-5	
Chief, Branch	Plot date:	
	Plot scale:	

U.S. ARMY ENGINEER DISTRICT, BALTIMORE  
CORPS OF ENGINEERS  
BALTIMORE, MARYLAND

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18 Commercial St.  
Salem, MA 01970

DEEP RUN AND TIBER-HUDSON WATERSHEDS STREAMBANK RESTORATION 95% DESIGN

PLANTING PLAN  
SITE HB07

Sheet Number:  
**C-5**

Plate: 12 OF 26



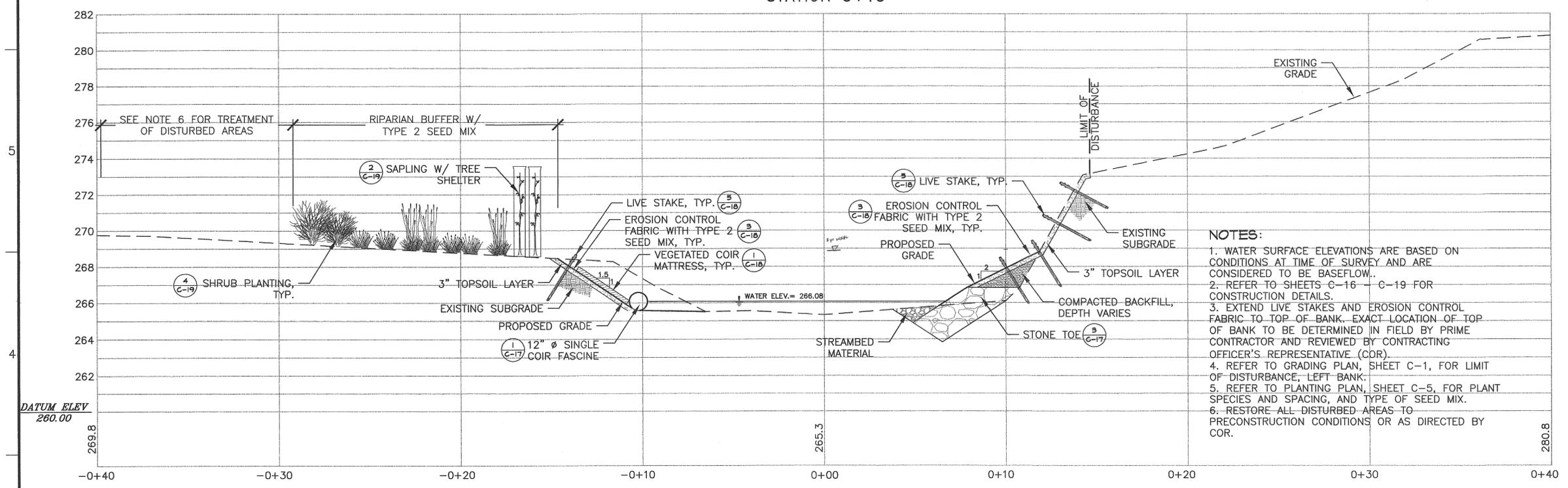






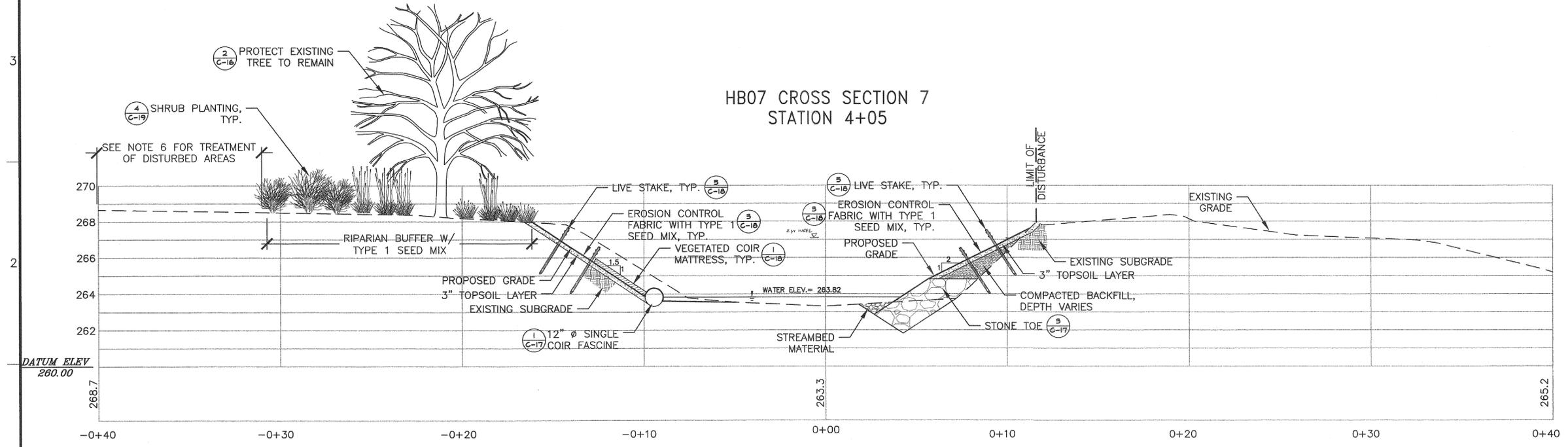


HB07 CROSS SECTION 6  
STATION 3+15

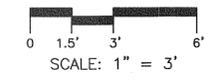


- NOTES:**
1. WATER SURFACE ELEVATIONS ARE BASED ON CONDITIONS AT TIME OF SURVEY AND ARE CONSIDERED TO BE BASEFLOW.
  2. REFER TO SHEETS C-16 - C-19 FOR CONSTRUCTION DETAILS.
  3. EXTEND LIVE STAKES AND EROSION CONTROL FABRIC TO TOP OF BANK. EXACT LOCATION OF TOP OF BANK TO BE DETERMINED IN FIELD BY PRIME CONTRACTOR AND REVIEWED BY CONTRACTING OFFICER'S REPRESENTATIVE (COR).
  4. REFER TO GRADING PLAN, SHEET C-1, FOR LIMIT OF DISTURBANCE, LEFT BANK.
  5. REFER TO PLANTING PLAN, SHEET C-5, FOR PLANT SPECIES AND SPACING, AND TYPE OF SEED MIX.
  6. RESTORE ALL DISTURBED AREAS TO PRECONSTRUCTION CONDITIONS OR AS DIRECTED BY COR.

HB07 CROSS SECTION 7  
STATION 4+05



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Date: NOV. 2003	Design file no.:	Drawing Number: F-xxx-xxx-xx	File name: xxx-xxx-xx
			Plot date: xxx-xx-xx
			Plot scale: xxx-xx-xx

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BALTIMORE, MARYLAND

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18 Commercial St.  
Salisbury, MD 21801

DEEP RUN AND TIBER-HUDSON WATERSHEDS  
STREAMBANK RESTORATION  
95% DESIGN

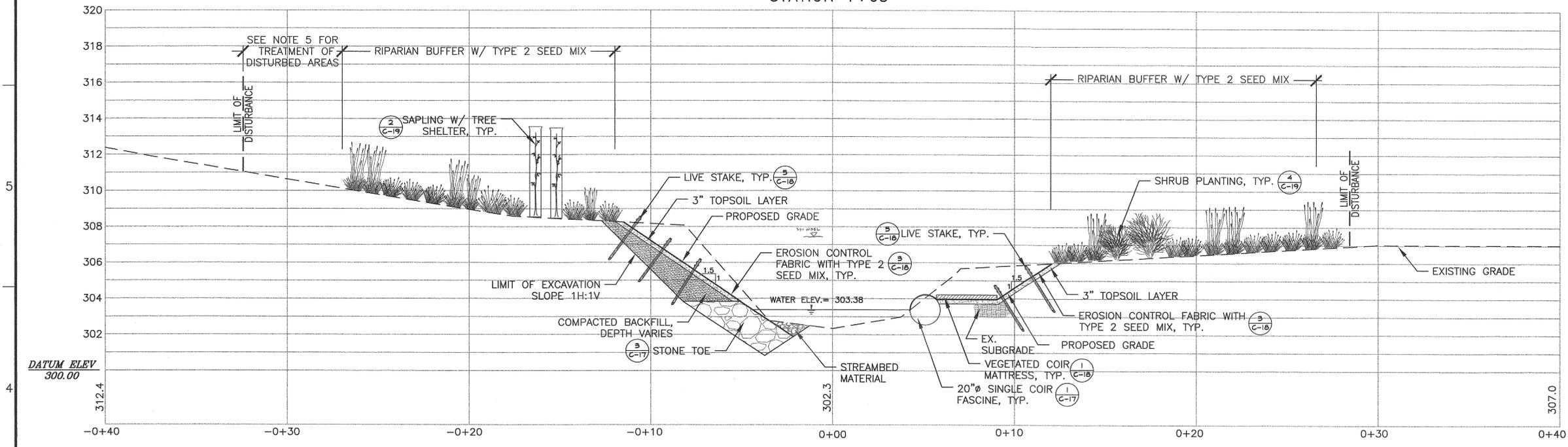
CROSS SECTIONS 6 & 7  
SITE HB07

Sheet Number:  
**C-11**  
Plate: 18 OF 26

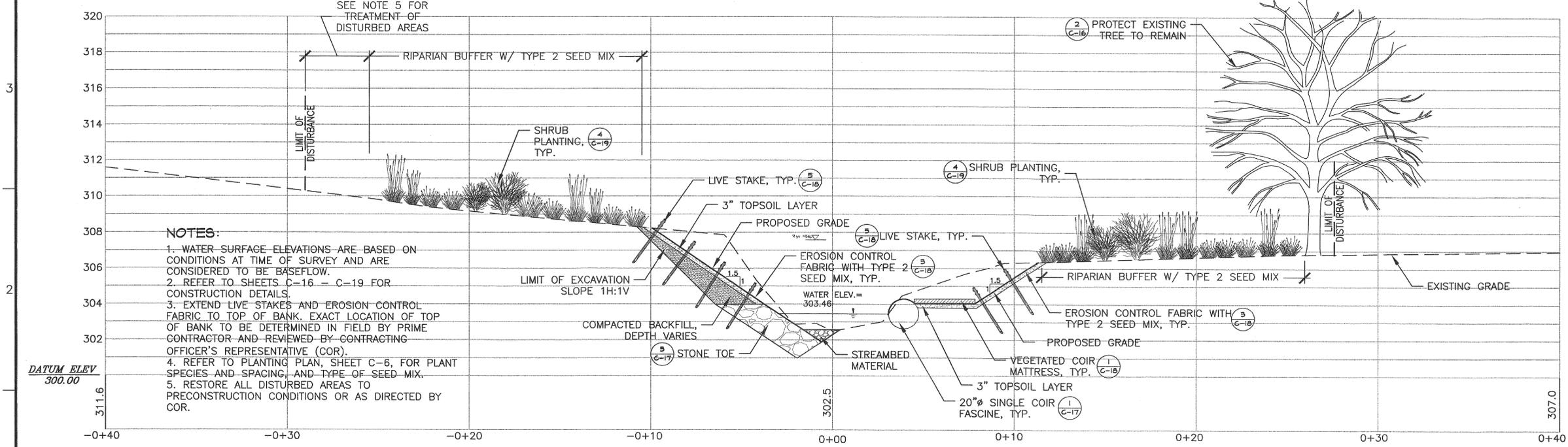




HB13 CROSS SECTION 5  
STATION 1+65



HB13 CROSS SECTION 6  
STATION 1+25



**NOTES:**  
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 2. REFER TO SHEETS C-16 - C-19 FOR CONSTRUCTION DETAILS.  
 3. EXTEND LIVE STAKES AND EROSION CONTROL FABRIC TO TOP OF BANK. EXACT LOCATION OF TOP OF BANK TO BE DETERMINED IN FIELD BY PRIME CONTRACTOR AND REVIEWED BY CONTRACTING OFFICER'S REPRESENTATIVE (COR).  
 4. REFER TO PLANTING PLAN, SHEET C-6, FOR PLANT SPECIES AND SPACING, AND TYPE OF SEED MIX.  
 5. RESTORE ALL DISTURBED AREAS TO PRECONSTRUCTION CONDITIONS OR AS DIRECTED BY COR.

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

Date: NOV. 2003	Design file no.	
Drawn by: JB	Drawing Number: F-1000-00-00	
Reviewed by: [Signature]	File name: [Signature]	
Submitted by: [Signature]	Plot scale: [Signature]	

Designed by: DR, MS  
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 BALTIMORE, MARYLAND

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DEEP RUN AND TIBBER-HUDSON WATERSHEDS STREAMBANK RESTORATION 95% DESIGN  
 CROSS SECTIONS 5 & 6  
 SITE HB13

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