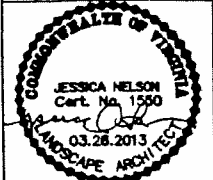




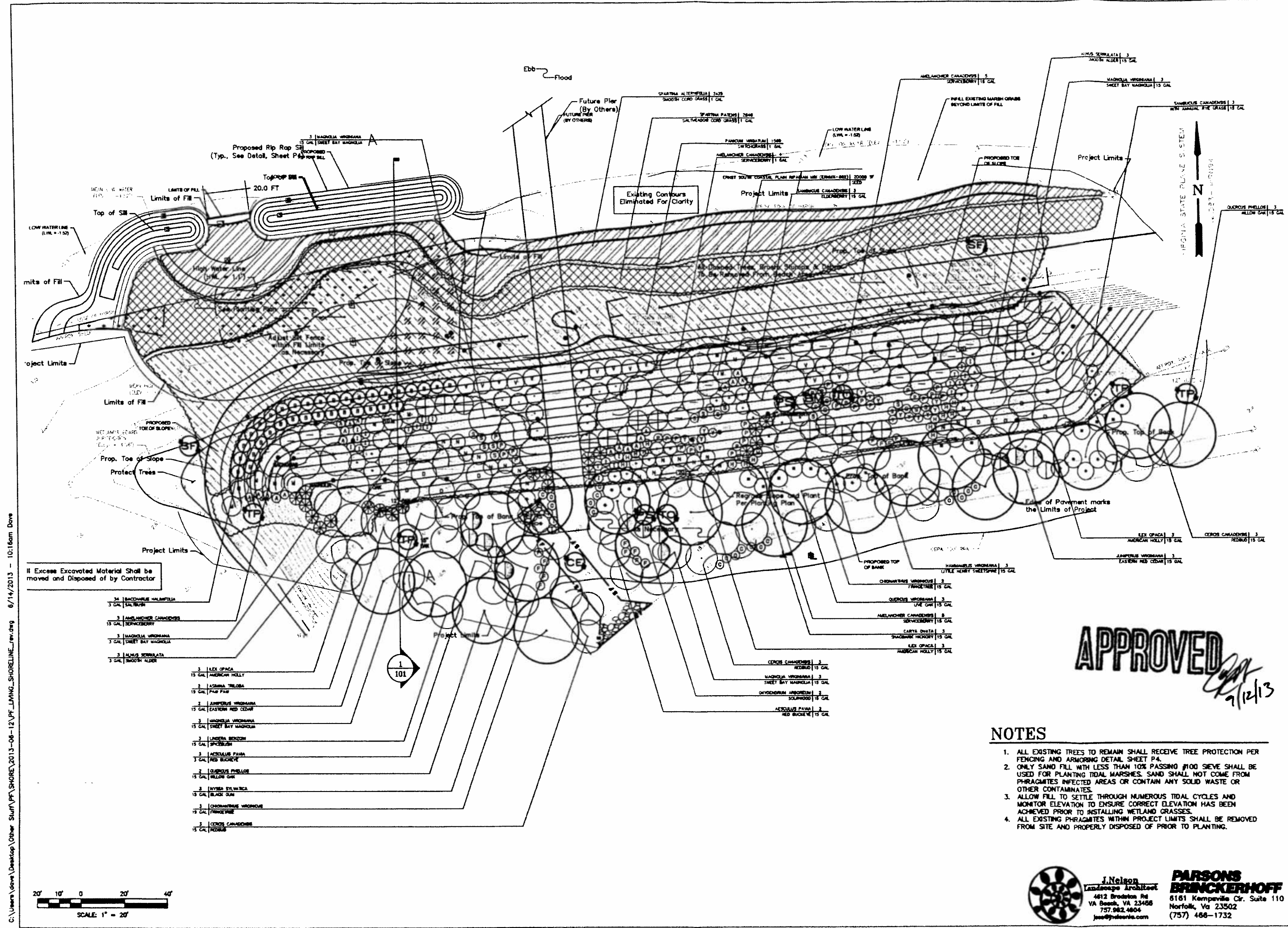
Initials	Description



CITY OF SUFFOLK - PARKS & RECREATION - 184 S. 6TH STREET - SUFFOLK, VA 23489- (757) 514-7250

**SLEEPY HOLE PARK
LIVING SHORELINE
BUFFER RESTORATION
PLAN AND SECTION**

Designed by:	JN
Drawn by:	JN
Checked by:	-
Date:	MARCH 26, 2013
Scale:	AS NOTED
Drawing Number	L1
Sheet Number	1 of 2



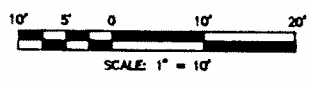
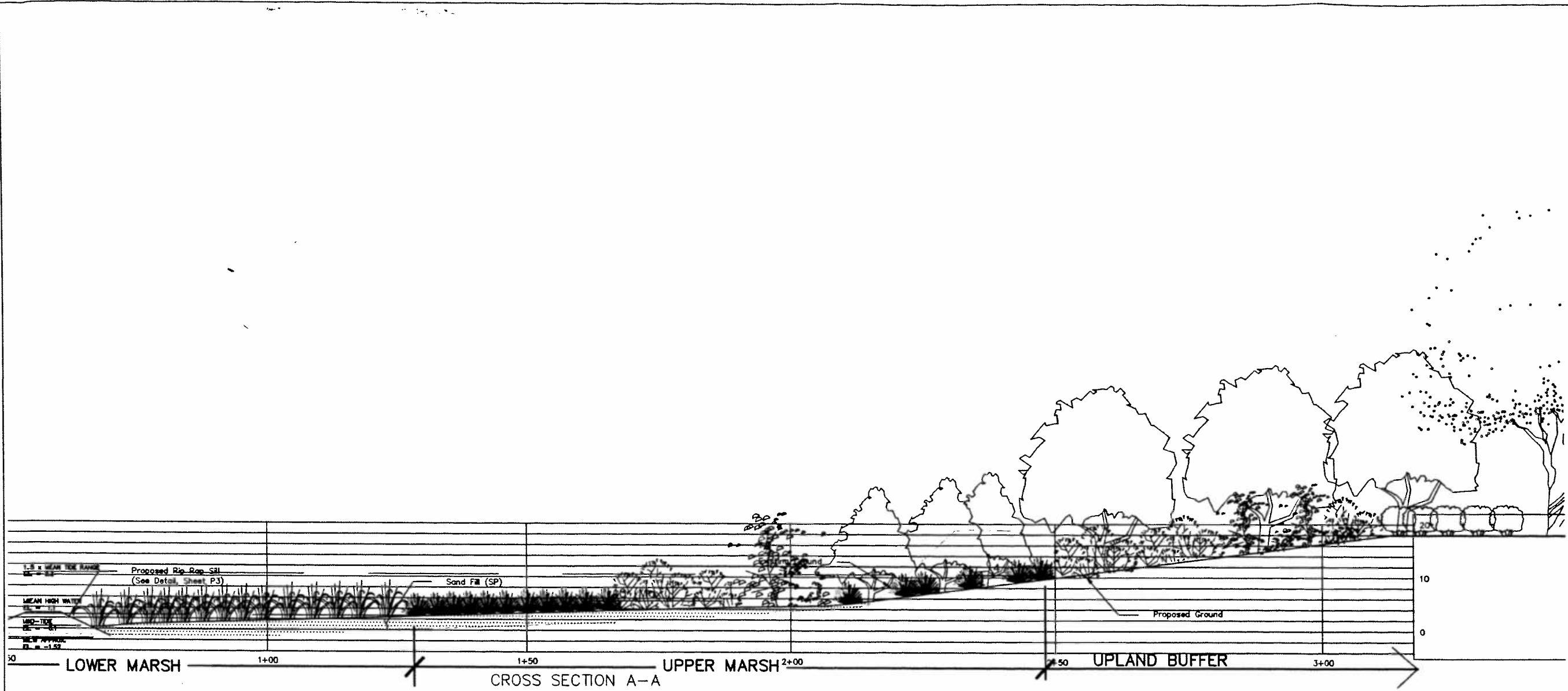
APPROVED
JN
3/26/13

J. Nelson
Landscape Architect
4612 Bradenton Rd
VA Beach, VA 23466
757.982.4804
jnelson@jnelson.com

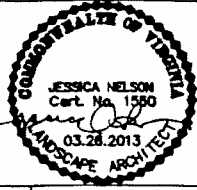
**PARSONS
BRINCKERHOFF**
6161 Kempsville Cr. Suite 110
Norfolk, VA 23502
(757) 466-1732

C:\Users\jnelson\Desktop\Other Stuff\RF\SHORE\2013-06-12\RF_LIVING_SHORELINE_rvr.dwg 6/14/2013 10:16am Dove

C:\Users\jones\Desktop\Other Stuff\PP\SHORE\2013-06-12\PP_LIVING_SHORELINE_rev.dwg 6/14/2013 - 10:16am Dave



REVISIONS	Initials
Date	
Description	
Description	



CITY OF SUFFOLK - PARKS & RECREATION - 134 S. 6TH STREET - SUFFOLK, VA 23410 - (757) 614-7250

**SLEEPY HOLE PARK
LIVING SHORELINE
BUFFER RESTORATION
PLAN AND SECTION**

APPROVED
JN
9/12/13

Designed by:	JN
Drawn by:	JN
Checked by:	-
Date:	MARCH 26, 2013
Scale:	AS NOTED
Drawing Number	

L2

Sheet Number 1 of 2

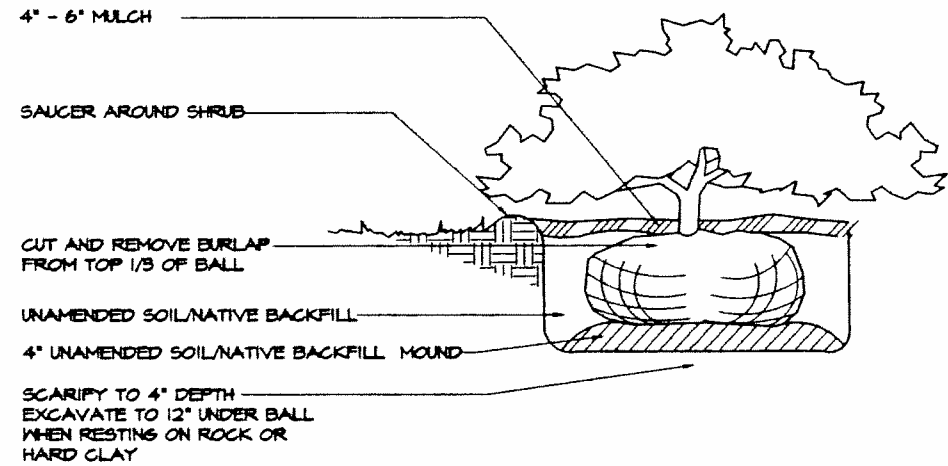


PARSONS BRINCKERHOFF
6181 Kempsville Cir. Suite 110
Norfolk, Va 23502
(757) 466-1732

PLANT LEGEND

TREES		
CARYA OVATA	SHAGBARK HICKORY	15 GAL 3
JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	15 GAL 5
NYSSA SYLVATICA	BLACK GUM	15 GAL 3
OXYSPHORUM ARBOREUM	SOURWOOD	15 GAL 2
QUERCUS PELLON	WILLOW OAK	15 GAL 5
QUERCUS VIRGINIANA	LIVE OAK	15 GAL 3
UNDERSTORY TREES		
AEOLLIUS PAVIA	RED BUCKEYE	15 GAL 5
ALNUS SERULATA	SMOOTH ALDER	15 GAL 5
AMELANCHIER CANADENSIS	SERVICEBERRY	15 GAL 17
ARJUNIA TRILOBA	PANFAY	15 GAL 2
CERIS CANADENSIS	REDBUD	15 GAL 8
CHIONANTHUS VIRGINICUS	FRIMETREE	15 GAL 5
HAMMAMELIS VIRGINIANA	WITCH HAZEL	15 GAL 3
ILEX OPACA	AMERICAN HOLLY	15 GAL 9
LINDERA BENZDIN	SPICEBUSH	15 GAL 3
MAGNOLIA VIRGINIANA	SWEET BAY MAGNOLIA	15 GAL 15
SAMBUCUS CANADENSIS	ELDERBERRY	15 GAL 5
LARGE SHRUBS		
CALLICARPA AMERICANA	BEAUTYBERRY	3 GAL 15
CALYCANTHUS FLORIDUS	SWEETSHRUB	5 GAL 15
CEPHALANTHUS OCCIDENTALIS	BUTTOBUSH	5 GAL 15
CORNUS RACEMOSA	GRAY DOGWOOD	5 GAL 15
ILEX GLABRA	INKBERRY HOLLY	5 GAL 15
ILEX VONITORIA	YALPON HOLLY	5 GAL 10
ILLIOTIUM PARYIFLORUM	ANISE	5 GAL 14
MYRTICA GERIFERA	WAX MYRTLE	5 GAL 13
PHYSCOCARPUS OPULIFOLIUS	COMMON NINEBARK	3 GAL 18
VAUCHERUM CORYMBOSUM	HIGHBUSH BLUEBERRY	5 GAL 25
VIBURNUM PRUNIFOLIUM	BLACKHAW VIBURNUM	5 GAL 14
SMALL SHRUBS		
ARONIA ARBUTIFOLIA	CHOKEBERRY	3 GAL 21
BACCHARIS HALMITFOLIA	SALTBUSH	3 GAL 34
CLETHRA ALNIFOLIA	SWEET PEPPERBUSH	3 GAL 25
FOTHERGILLA GARDENII	FOTHERGILLA	3 GAL 15
HYDRANBIA ARBORESCENS	WILD HYDRANBIA	3 GAL 17
HYDRANBIA QUEROIFOLIA	OAKLEAF HYDRANBIA	3 GAL 17
ITEA VIRGINICA	SWEETSPIRE	3 GAL 27
POTENTILLA FRUTICOSA	BUSH CINQUEFOIL	3 GAL 25
SPIRAEA ALBA	WHITE MEADOWSWERT	3 GAL 21
YUCCA FILAMENTOSA	ADAM'S NEEDLE	3 GAL 15
SEEDED GRASSES AND WILDFLOWERS		
PERENNIAL MIX OF THE FOLLOWING:	9 SF	PLUGS
ASCLEPIAS TUBEROSA	BUTTERFLY WEED	18" 00
EUPATORIUM HYSSOPIFOLIUM	HYSSOPLAF THOROUGHWORT	12" 00
LIATRIS SPICATA	BLAZING STAR	24" 00
LUPINUS PERENIS	SUNBELT LUPINE	9" 00
RUDBECKIA HIRTA	BLACK-EYED SUSAN	18" 00
SCHIZANTHUS SCOPARIUM	LITTLE BLUESTEM GRASS	24" 00
SOLIDAGO SEMPERVIRENS	SEASIDE GOLDENROD	9" 00

NOTE:
SHRUB SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO PREVIOUSLY EXISTING GRADE.



SHRUB PLANTING DETAIL

N.T.S.

NOTES

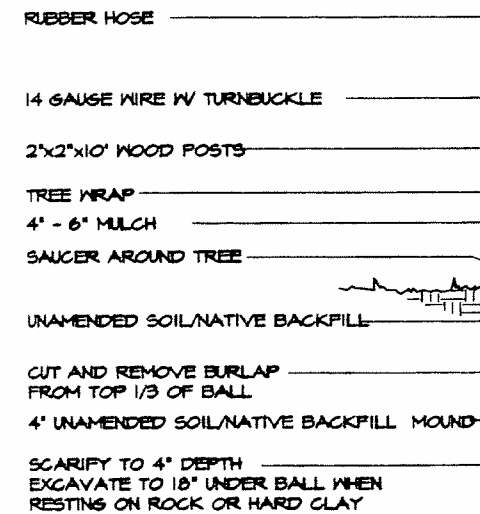
- ALL NEW PLANTING AREAS, EXCLUDING WETLAND AREAS BENEATH EXISTING TREE CANOPIES, SHALL RECEIVE A 2" LAYER OF ORGANIC AMENDMENTS INCORPORATED INTO THE TOP 6" OF SOIL. AREA BENEATH (E) TREES SHALL RECEIVE TOP DRESSING OF MULCH. NO TILLING SHALL OCCUR BENEATH (E) TREES.
- ALL GROUND COVER AND SHRUB PLANTING AREAS AT TOP OF SLOPE SHALL RECEIVE A 4" - 6" DEEP MULCH LAYER OF ORGANIC MATERIAL.
- ALL LARGE SHRUBS SHALL BE A MINIMUM OF 36" AT TIME OF INSTALLATION.
- ALL PLANTS USED SHALL CONFORM TO THE STANDARDS OF THE MOST RECENT EDITION OF THE AMERICAN STANDARD OF NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSEYMEN AND SHALL BE INSTALLED ACCORDING TO STANDARD PLANTING PRACTICES AND PROCEDURES.
- ALL SUPPLEMENTARY OR REPLACEMENT PLANT MATERIALS SHALL BE IN A HEALTHY CONDITION. PLANT MATERIALS SHALL CONFORM TO THE STANDARDS OF THE MOST RECENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, AND SHALL BE INSTALLED ACCORDING TO STANDARD PLANTING PRACTICES AND PROCEDURES.
- EXISTING TREES ADJACENT TO TIDAL WATERS SHALL RECEIVE SELECTIVE PRUNING OF LOWER LIMBS TO ALLOW LIGHT PENETRATION TO SUPPORT THE GROWTH AND HEALTH OF TIDAL FRINGE MARSH.
- ALL TIDAL ELEVATIONS AND WETLAND DELINEATIONS ARE BASED ON SURVEY PROVIDED.
- ALL LOWER WETLAND GRASSES SHALL BE PLANTED FROM MID-TIDE LINE (EL. 1.1) AND LANDWARD TO MEAN HIGH WATER LINE (0.91).
- ALL EXISTING DOWNED TREES SNAGS AND DEBRIS SHALL BE REMOVED FROM WETLANDS AND SLOPE PRIOR TO PLANTING.

BUFFER REQUIREMENTS

TREES TO BE REMOVED:	45
BUFFER RESTORATION REQUIRED:	2,4086 SQ FT DISTURBANCE
BUFFER RESTORATION PROVIDED:	2,4086 SQ FT OR 61 UNITS
CANOPY TREES REQUIRED:	61
CANOPY TREES PROVIDED:	21 TREES AND 80 LARGE SHRUBS
UNDERSTORY TREES REQUIRED:	122
UNDERSTORY TREES PROVIDED:	80 TREES AND 84 LARGE SHRUBS
SHRUBS REQUIRED:	183
SHRUBS PROVIDED:	219

NOTE:
TREE SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO PREVIOUSLY EXISTING GRADE.

SELECTIVELY PRUNE CROWN
DO NOT CUT CENTRAL LEADER



TREE PLANTING DETAIL

N.T.S.



Initials	Date	Description



CITY OF SUFFOLK - PARKS & RECREATION - 194 S. 6TH STREET - SUFFOLK, VA 23439 - (767) 514-7250

SLEEPY HOLE PARK
LIVING SHORELINE
BUFFER RESTORATION
PLANT SCHEDULE AND DETAILS

APPROVED

9/12/13

Designed by:	JN
Drawn by:	JN
Checked by:	-
Date:	MARCH 26, 2013
Scale:	AS NOTED
Drawing Number	L3

L3

Sheet Number 1 of 2



J. Nelson
Landscape Architect
4512 Breddon Rd
VA Beach, VA 23468
757.982.4604
jnel@jnelson.com

PARSONS
BRINCKERHOFF
6181 Kempsville Cir. Suite 110
Norfolk, VA 23502
(757) 466-1732