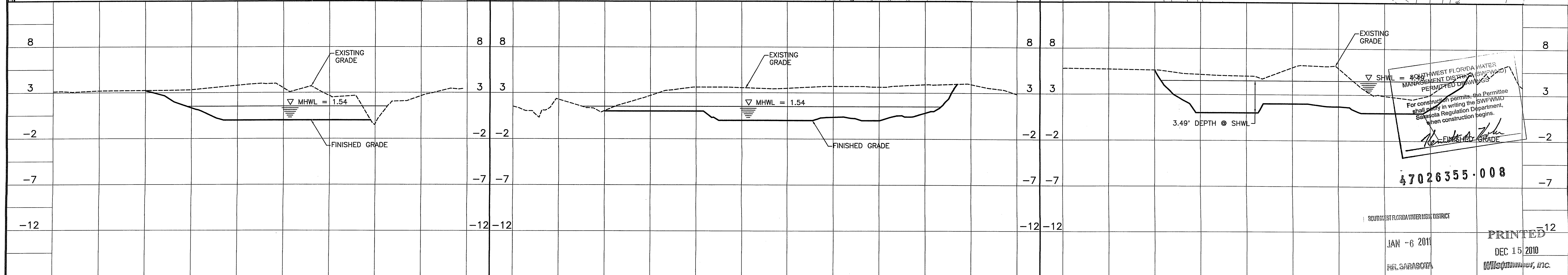
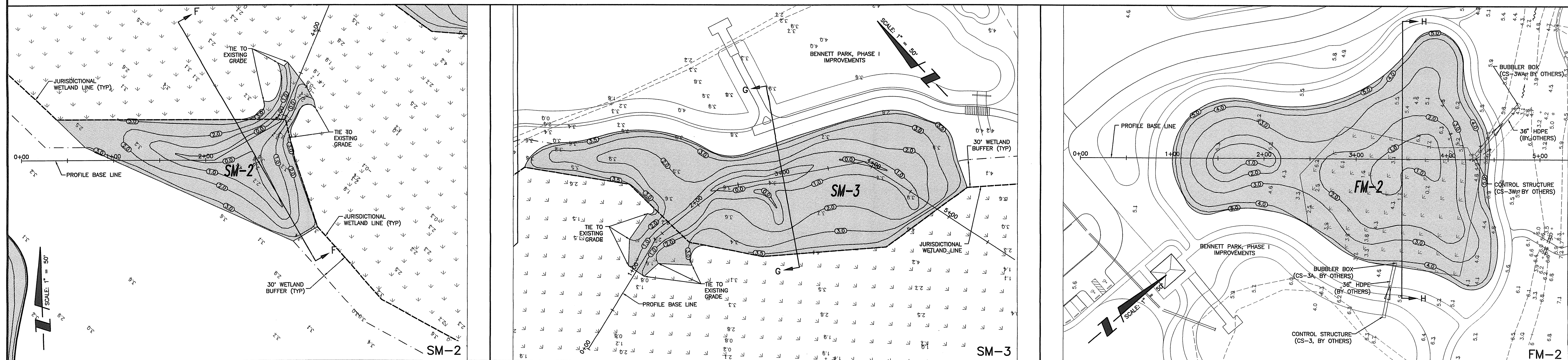


LEGEND

- JURISDICTIONAL WETLAND
- EXCAVATION LIMITS
- FINISHED GRADE CONTOUR
- XX-A CREATION AREA REFERENCE ID

NOTE:
1. ALL EXCAVATED MATERIAL TO BE STOCKPILED AT A LOCATION ON-SITE AS DIRECTED BY OWNER.
2. SEE PROJECT SPECIFICATIONS (SHEET 12A) FOR ADDITIONAL INFORMATION REGARDING WETLAND CREATION AREA PLANTING PREPARATION.



0+00	2+00	4+00	0+00	2+00	4+00	0+00	2+00	4+00
ACTIVITY DESIGNED BY: ATO/2270 09/20/10 CHECKED BY: CONTRACT ADMIN. BY: WM APPROVED BY:			INITIALS/EMP. NO. DATE			DATE: SEPT 2010 HORIZONTAL SCALE: 1" = 50' VERTICAL SCALE: 1" = 5' SEC. TWP. RGE: 27 34S 18E		
CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS PROJECT: TOM BENNETT PARK HABITAT RESTORATION PLAN			TITLE: GRADING PLANS AND SECTIONS CREATION AREAS SM-2, SM-3, & FM-2			PROJECT NUMBER: 06333-001-003 SHEET NUMBER: 7 OF 13		

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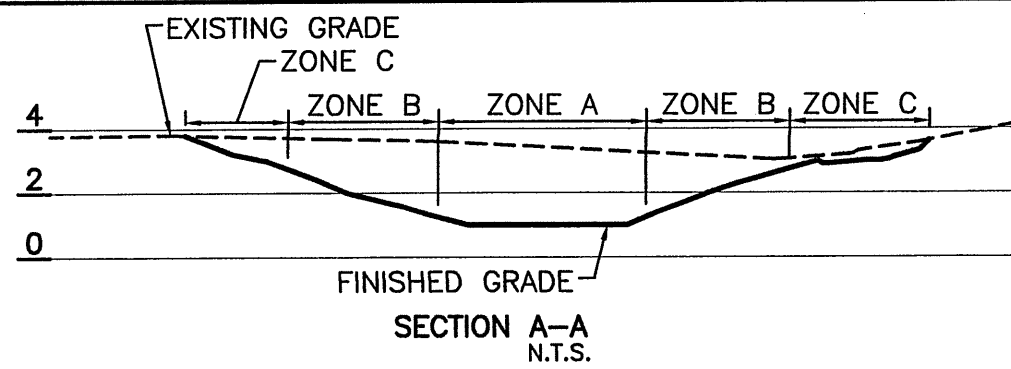
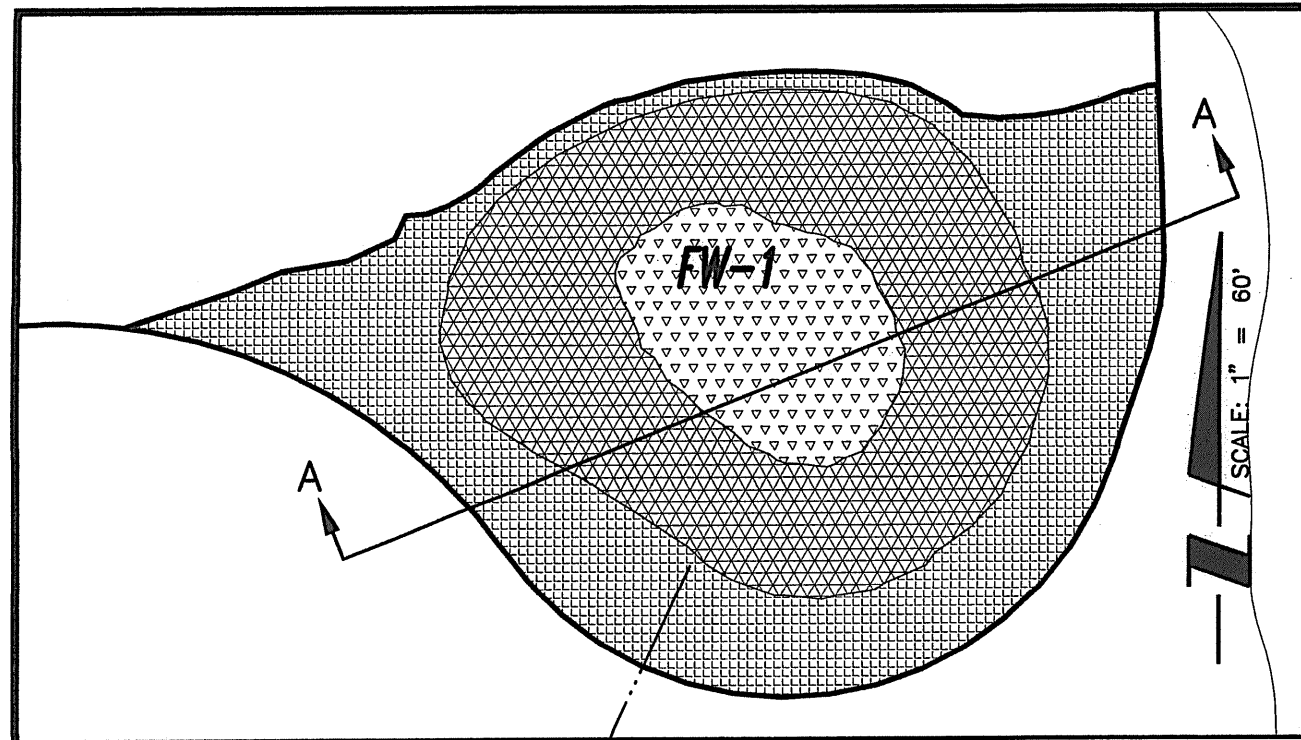
Planners • Engineers • Ecologists • Surveyors • Landscape Architects • Transportation Consultants

6900 Professional Parkway East, Suite 100 • Sarasota, Florida 34240-8444 • Phone 941-907-6900 • Fax 941-907-6910 • Web Site www.wilsonmiller.com

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WilsonMiller, Inc.

DANIEL J. BOND, P.E.
FLORIDA LICENSE NO. 57969
PROJECT NUMBER: D-06333-001-003007
SHEET NUMBER: 7 OF 13



LEGEND

- CREATION ZONE A
- CREATION ZONE B
- CREATION ZONE C

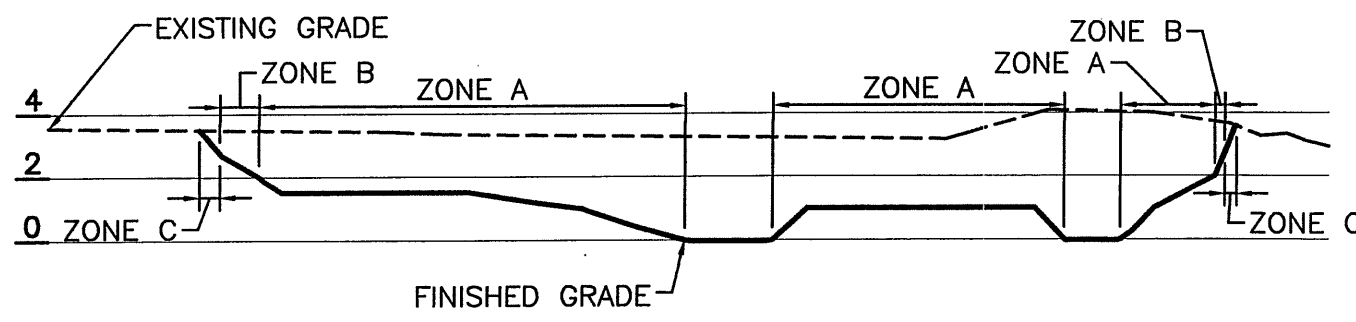
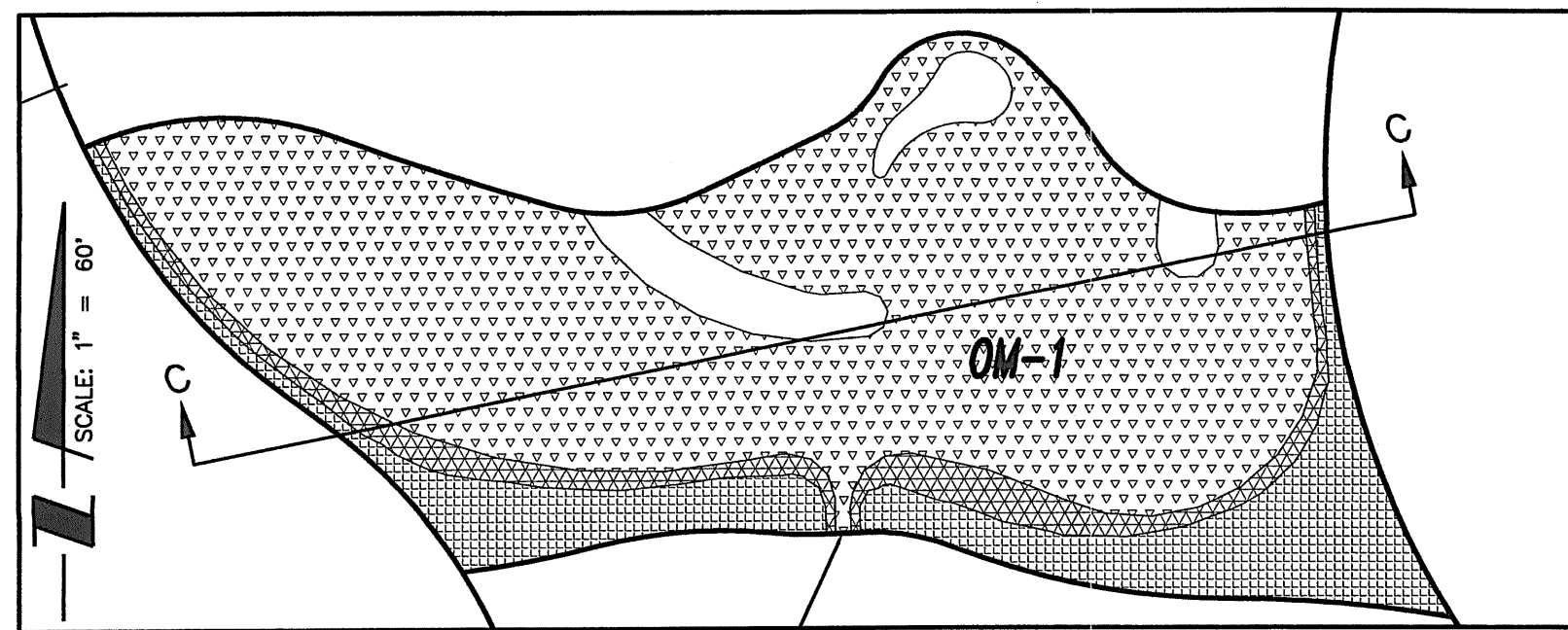
Scientific Name	Common Name	Zone	Elevation Range (NGVD)	Area at Elevation Range (Acres)	Percent Area Planted at Elev. Rng.	Area Planted Per Species (Acres)	Spacing 'O.C.	Quantity	Size
<i>Acer rubrum</i>	RED MAPLE	C	3.0 - 4.0	0.22	100%	0.22	15	44	25 Gal
<i>Juncus effusus</i>	SOFT RUSH	C	2.75 - 3.0	0.13	100%	0.13	3	624	BR
<i>Spartina bakeri</i>	SAND CORDGRASS	C	2.75 - 4.0	0.35	50%	0.18	10	77	1 Gal
<i>Tripsacum dactyloides</i>	EASTERN GAMAGRASS; FAKAHATCHEEGRASS	C	2.75 - 4.0	0.35	50%	0.18	10	77	1 Gal
FLORIDA WET FLATWOODS SEED MIX	HYDROSEEDING	C	3.0 - 4.0	0.22	100%	0.22	NA	NA	SEED
<i>Canna flaccida</i>	BANDANNA-OF-THE-EVERGLADES	B	2.5 - 2.75	0.09	50%	0.04	3	210	BR
<i>Cephalanthus occidentalis</i>	COMMON BUTTONBUSH	B	2.25 - 2.75	0.16	100%	0.16	15	31	3 Gal
<i>Eleocharis cellulosa</i>	SPIKE RUSH	B	1.75 - 2.25	0.30	50%	0.15	3	718	BR
<i>Panicum hemiltonianum</i>	MAIDENCANE	B	2.5 - 2.75	0.09	50%	0.04	3	210	BR
<i>Pontederia cordata</i>	PICKERELWEED	B	1.25 - 1.75	0.13	50%	0.06	3	312	BR
<i>Sagittaria latifolia</i>	BULLTONGUE ARROWHEAD	B	1.75 - 2.25	0.14	50%	0.07	3	342	BR
<i>Toxodum distichum</i>	CYPRESS	B	2.25 - 2.75	0.16	100%	0.16	15	31	25 Gal
<i>Thalia geniculata</i>	ALLIGATORFLAG; FIREFLAG	B	1.25 - 1.75	0.13	50%	0.06	5	113	BR
<i>Nuphar advena</i>	SPATTERDOCK; YELLOW PONDILY	A	1 - 1.25	0.12	50%	0.06	10	26	BR
<i>Nymphaea odorata</i>	AMERICAN WHITE WATERLILY	A	1 - 1.25	0.12	50%	0.06	10	26	BR

AREA FW-1 PLANTING SCHEDULE

NOTE:
1. SEE PROJECT SPECIFICATIONS FOR FLORIDA WET FLATWOODS SEED MIX (SHEET 12A)

LEGEND

- CREATION ZONE A
- CREATION ZONE B
- CREATION ZONE C

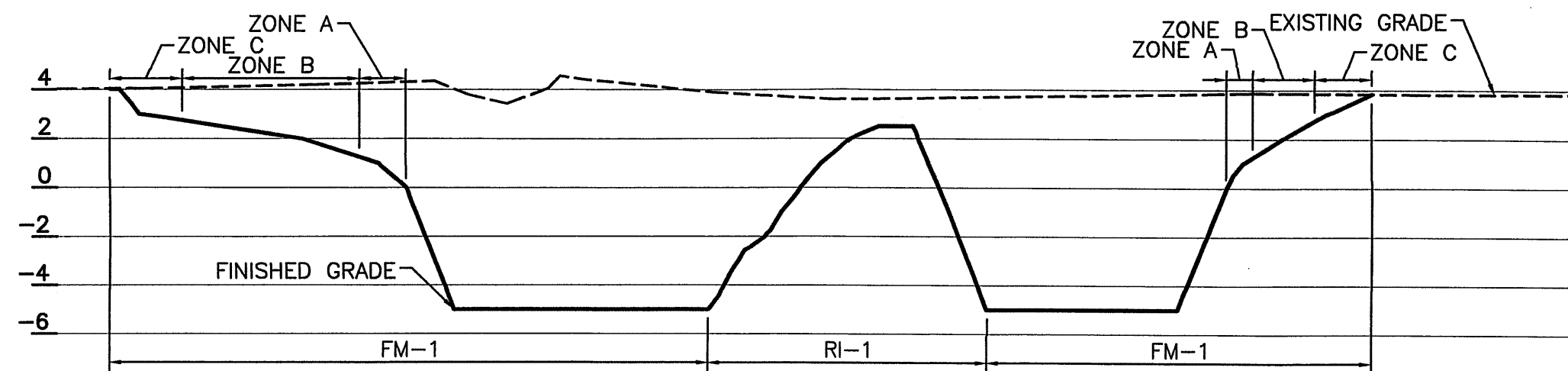
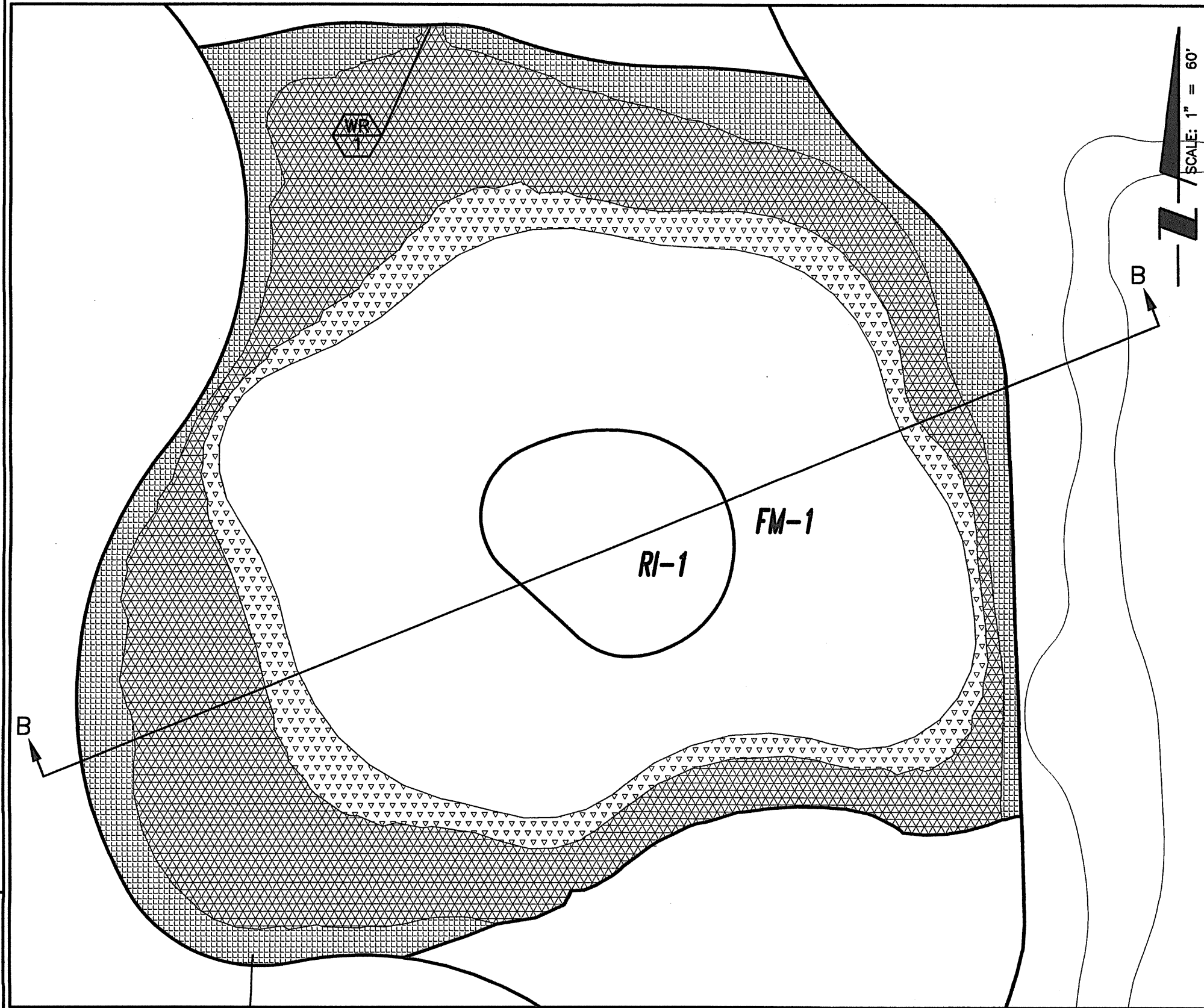


SECTION C-C N.T.S.

Scientific Name	Common Name	Zone	Elevation Range (NGVD)	Area at Elevation Range (Acres)	Percent Area Planted at Elev. Rng.	Area Planted Per Species (Acres)	Spacing 'O.C.	Quantity	Size
FLORIDA WET FLATWOODS SEED MIX	HYDROSEEDING	C	2.75 - 3.0+	0.19	100%	0.19	NA	NA	SEED
<i>Forestiera seagraea</i>	FLORIDA SWAMP PRIVET	C	2.75 - 3.0	0.02	100%	0.02	10	11	3 Gal
<i>Ardisia escallonioides</i>	MARLBERRY	C	2.75 - 3.0	0.02	100%	0.02	10	11	3 Gal
<i>Cladium jamaicense</i>	JAMAICA SWAMP SAWGRASS	B/C	2.0 - 3.0	0.10	90%	0.09	3	425	BR
<i>Crinum americanum</i>	SEVEN-SISTERS; STRING-LILY	B/C	2.0 - 3.0	0.10	10%	0.01	5	17	BR
<i>Acrostichum danaeifolium</i>	GIANT LEATHER FERN	A	1.25 - 2.0	0.42	100%	0.42	10	182	1 Gal
<i>Schoenoplectus tabernaemontani</i>	SOFTSTEM BULMRUSH	A	0 - 1.25	0.34	100%	0.34	3	1627	BR

AREA OM-1 PLANTING SCHEDULE

NOTE:
1. SEE PROJECT SPECIFICATIONS FOR FLORIDA WET FLATWOODS SEED MIX (SHEET 12A)



SECTION B-B N.T.S.

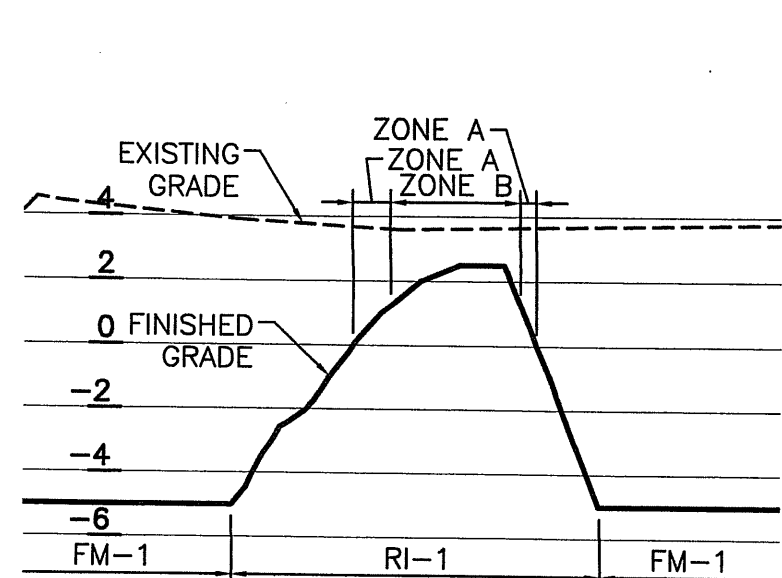
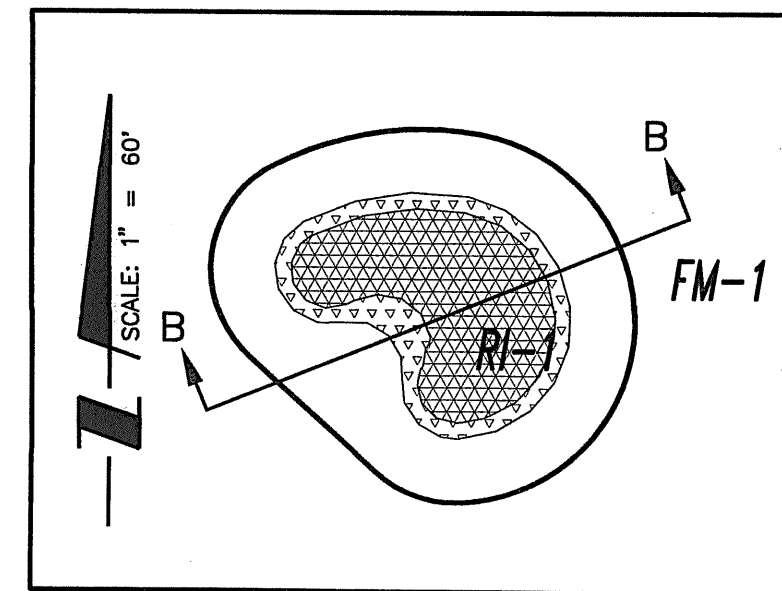
Scientific Name	Common Name	Zone	Elevation Range (NGVD)	Area at Elevation Range (Acres)	Percent Area Planted at Elev. Rng.	Area Planted Per Species (Acres)	Spacing 'O.C.	Quantity	Size
<i>Juncus effusus</i>	SOFT RUSH	C	2.75 - 3.0	2.51	100%	2.51	3	12152	BR
<i>Spartina bakeri</i>	SAND CORDGRASS	C	2.75 - 4.0	2.78	50%	1.39	10	605	1 Gal
<i>Tripsacum dactyloides</i>	EASTERN GAMAGRASS; FAKAHATCHEEGRASS	C	2.75 - 4.0	2.78	50%	1.39	10	605	1 Gal
FLORIDA WET FLATWOODS SEED MIX	HYDROSEEDING	C	3.0 - 4.0	0.27	100%	0.27	NA	NA	SEED
<i>Canna flaccida</i>	BANDANNA-OF-THE-EVERGLADES	B	2.5 - 2.75	2.08	50%	1.04	3	5035	BR
<i>Cephalanthus occidentalis</i>	COMMON BUTTONBUSH	B	2.25 - 2.75	1.87	100%	1.87	20	204	3 Gal
<i>Eleocharis cellulosa</i>	SPIKE RUSH	B	1.75 - 2.25	0.43	50%	0.22	3	1052	BR
<i>Panicum hemiltonianum</i>	MAIDENCANE	B	2.5 - 2.75	2.08	50%	1.04	3	5035	BR
<i>Pontederia cordata</i>	PICKERELWEED	B	1.25 - 1.75	0.42	50%	0.21	3	1008	BR
<i>Sagittaria latifolia</i>	BULLTONGUE ARROWHEAD	B	1.75 - 2.25	0.43	50%	0.22	3	1052	BR
<i>Thalia geniculata</i>	ALLIGATORFLAG; FIREFLAG	B	1.25 - 1.75	0.42	50%	0.21	5	363	BR
<i>Nuphar advena</i>	SPATTERDOCK; YELLOW PONDILY	A	0 - 1.25	2.16	50%	1.08	10	470	BR
<i>Nymphaea odorata</i>	AMERICAN WHITE WATERLILY	A	0 - 1.25	2.16	50%	1.08	10	470	BR

AREA FM-1 PLANTING SCHEDULE

NOTE:
1. SEE PROJECT SPECIFICATIONS FOR FLORIDA WET FLATWOODS SEED MIX (SHEET 12A)

LEGEND

- CREATION ZONE A
- CREATION ZONE B
- CREATION ZONE C



SECTION B-B N.T.S.

LEGEND

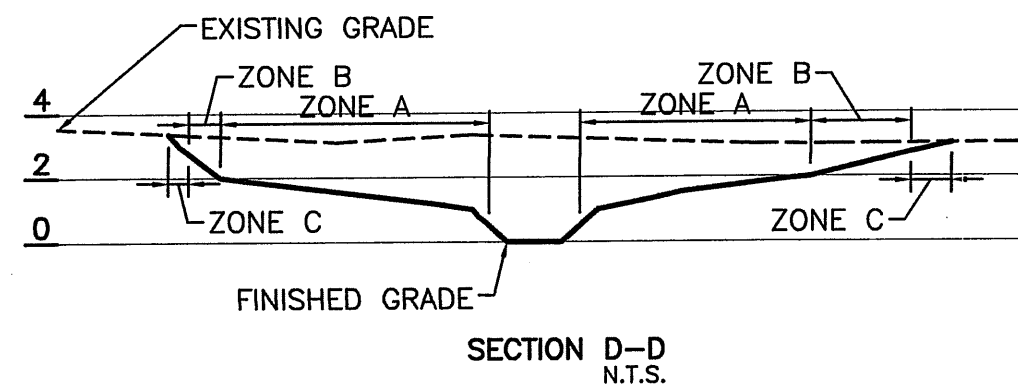
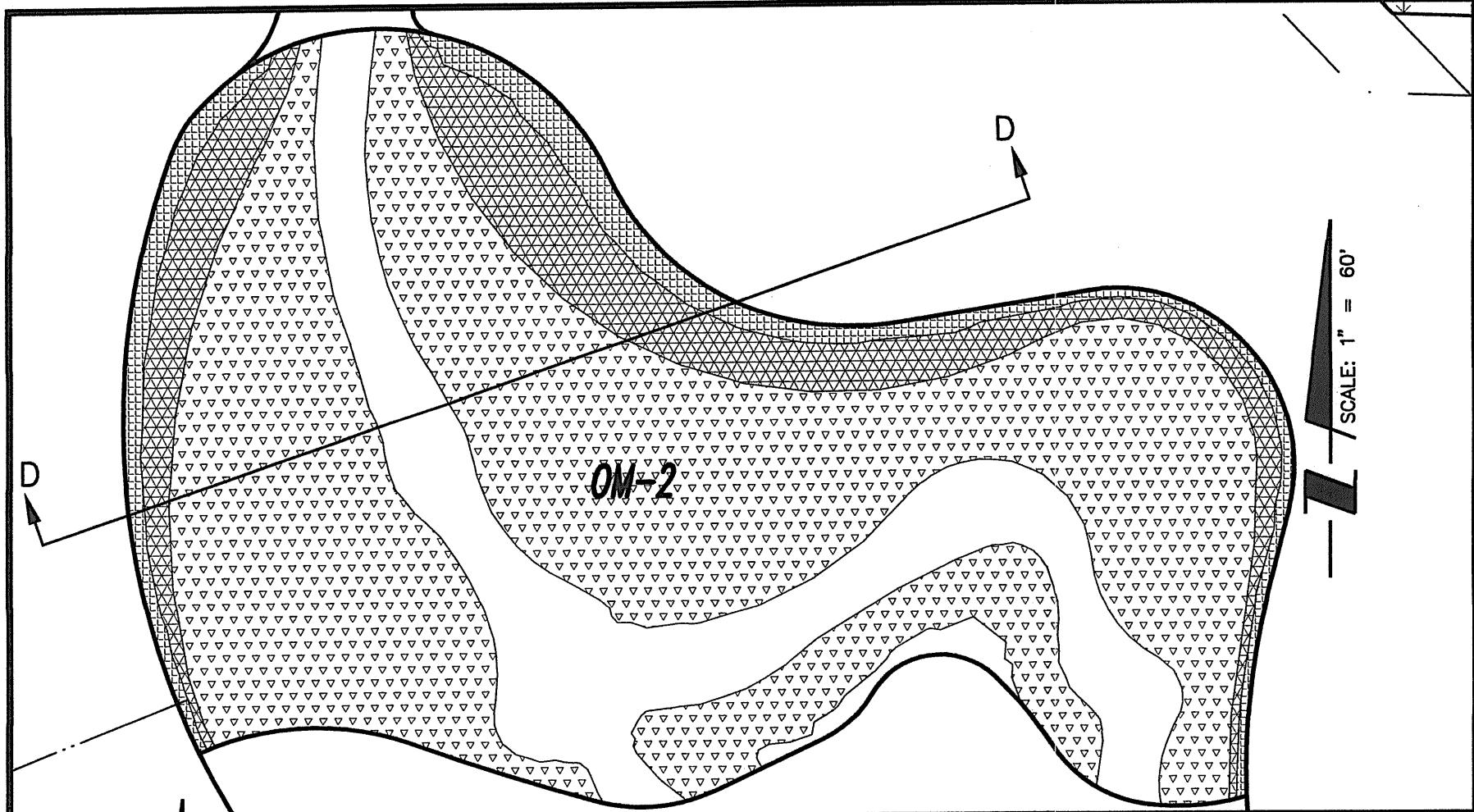
- CREATION ZONE A
- CREATION ZONE B

Scientific Name	Common Name	Zone	Elevation Range (NGVD)	Area at Elevation Range (Acres)	Percent Area Planted at Elev. Rng.	Area Planted Per Species (Acres)	Spacing 'O.C.	Quantity	Size
<i>Toxodum distichum</i>	CYPRESS	B	2.25 - 2.5+	0.05	100%	0.05	15	9	100 Gal
<i>Cephalanthus occidentalis</i>	COMMON BUTTONBUSH	B	2.25 - 2.5+	0.05	100%	0.05	15	9	3 Gal
<i>Eleocharis cellulosa</i>	SPIKE RUSH	B	1.75 - 2.25	0.01	50%	0.01	3	36	BR
<i>Pontederia cordata</i>	PICKERELWEED	B	1.25 - 1.75	0.01	50%	0.01	3	36	BR
<i>Sagittaria latifolia</i>	BULLTONGUE ARROWHEAD	B	1.75 - 2.25	0.01	50%	0.01	3	36	BR
<i>Thalia geniculata</i>	ALLIGATORFLAG; FIREFLAG	B	1.25 - 1.75	0.01	50%	0.01	3	36	BR
<i>Nuphar advena</i>	SPATTERDOCK; YELLOW PONDILY	A	0 - 1.25	0.03	50%	0.03	10	26	BR
<i>Nymphaea odorata</i>	AMERICAN WHITE WATERLILY	A	0 - 1.25	0.03	50%	0.03	10	26	BR

AREA RI-1 PLANTING SCHEDULE

NOTE:
1. NESTING PLATFORMS TO BE INSTALLED PER PROJECT SPECIFICATIONS SEE SHEET 12A.

ACTIVITY: DESIGNED BY: INITIALS/EMP. NO. DATE DRAWN BY: DFH/0953 09/20/10 CHECKED BY: CONTRACT ADMIN. BY: WM APPROVED BY:		WilsonMiller WilsonMiller, Inc. - P.E. 10-000176 WilsonMiller, Inc. - Certificate of Registration #40 Planners • Engineers • Ecologists • Surveyors • Landscape Architects • Transportation Consultants WilsonMiller, Inc. 6900 Professional Parkway East, Suite 100 • Sarasota, Florida 34240-9414 • Phone 941-907-6900 • Fax 941-907-6910 • Web Site www.wilsonmiller.com		CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS PROJECT: TOM BENNETT PARK HABITAT RESTORATION PLAN		DATE: SEPT 2010 HORIZONTAL SCALE: 1" = 60' VERTICAL SCALE: AS SHOWN SHEET: 22 OF 27 CROSS REFERENCE FILE NO.: PROJECT NUMBER: 06333-001-003 SHEET NUMBER: 8 OF 13		TITLE: WETLAND CREATION PLANTING PLAN D-06333-001-003008 SOUTHWEST FLORIDA WATER DISTRICT JAN -6 2011 PRINTED DEC 15 2010 SRS SARASOTA Daniel J. Bond, P.E. 10-15-10 FLORIDA LICENSE NO. 57869 D-06333-001-003008	
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LEGEND

CREATION ZONE A

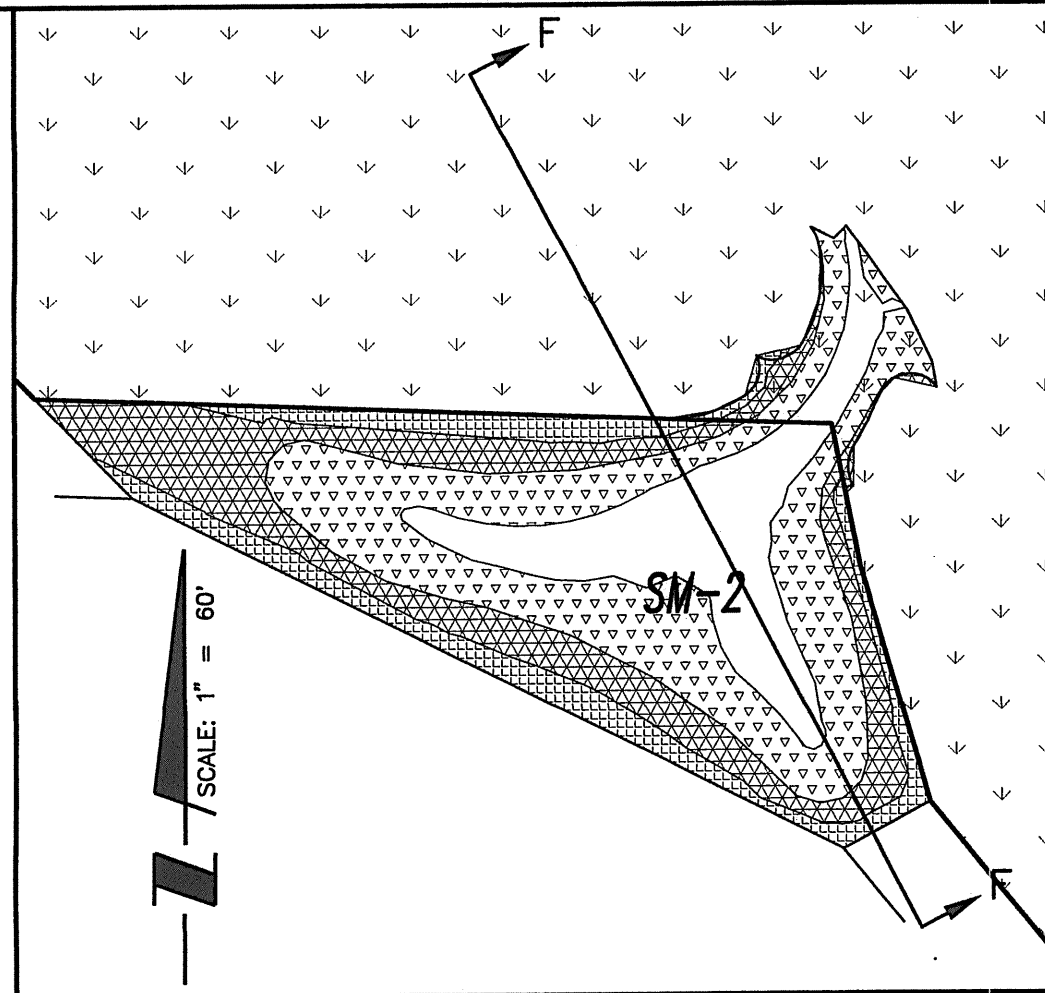
CREATION ZONE B

CREATION ZONE C

Scientific Name	Common Name	Zone	Elevation Range (NGVD)	Area at Elevation Range (Acres)	Percent Area Planted at Elev. Rng.	Area Planted Per Species (Acres)	Spacing 'O.C.	Quantity	Size
COASTAL SEED MIX	HYDROSEEDING	C	2.75 - 3.0+	0.13	100%	0.13	NA	NA	SEED
<i>Forestiera segregata</i>	FLORIDA SWAMP PRIVET	C	2.75 - 3.0	0.09	50%	0.04	10	20	3 Gal
<i>Ardisia escallonioides</i>	MARLBERRY	C	2.75 - 3.0	0.09	50%	0.04	10	20	3 Gal
<i>Acrostichum danaeifolium</i>	GIANT LEATHER FERN	B	2.0 - 2.5	0.18	100%	0.18	30	9	1 Gal
<i>Cladium jamaicense</i>	JAMAICA SWAMP SAWGRASS	B/C	2.0 - 3.0	0.36	100%	0.36	3	1725	BR
<i>Juncus roemerianus</i>	BLACK RUSH	A	1.5 - 2.0	0.51	100%	0.51	2	5513	4" BR
<i>Spartina alterniflora</i>	SALT MARSH CORDGRASS	A	0.5 - 1.5	0.76	100%	0.76	3	3690	BR

AREA OM-2 PLANTING SCHEDULE

NOTE:
1. SEE PROJECT SPECIFICATIONS FOR COASTAL SEED MIX (SHEET 12A)

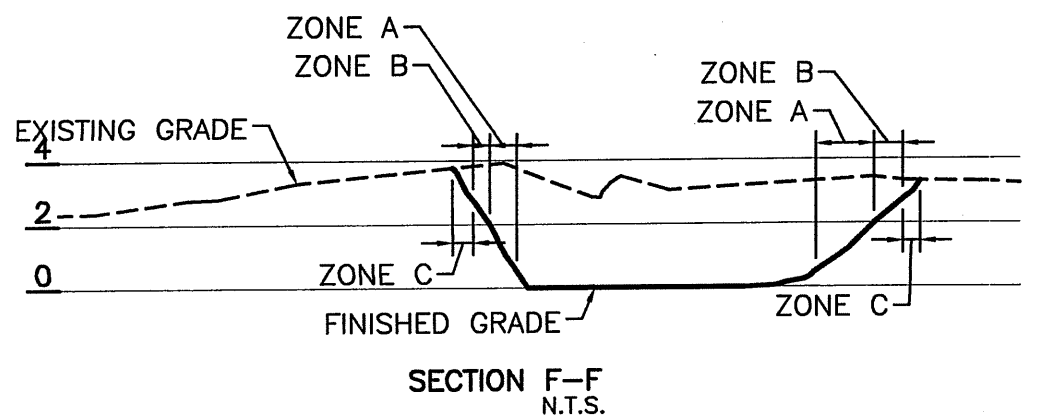


LEGEND

CREATION ZONE A

CREATION ZONE B

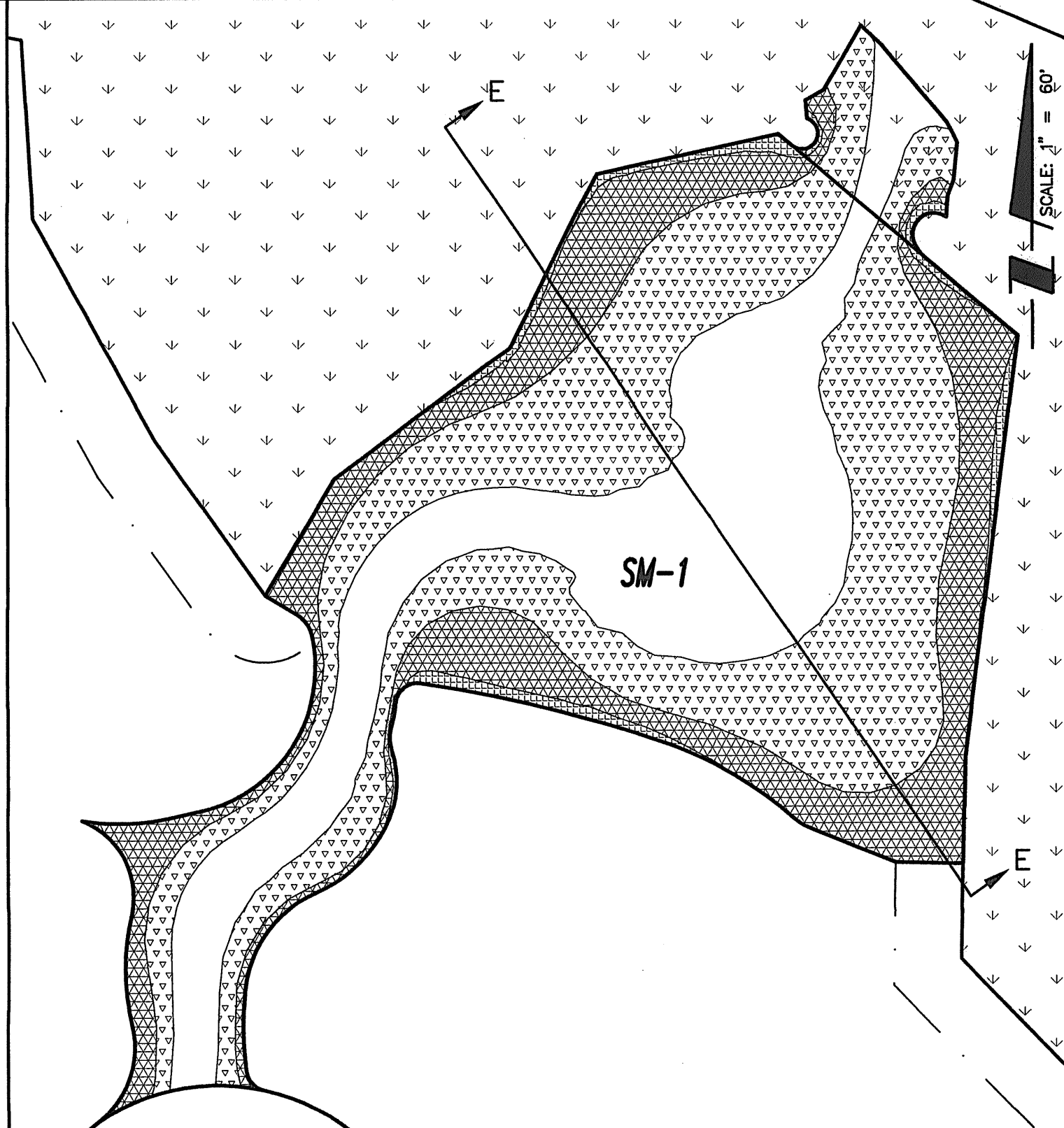
CREATION ZONE C



Scientific Name	Common Name	Zone	Elevation Range (NGVD)	Area at Elevation Range (Acres)	Percent Area Planted at Elev. Rng.	Area Planted Per Species (Acres)	Spacing 'O.C.	Quantity	Size
COASTAL SEED MIX	HYDROSEEDING	C	2.75 - 3.0+	0.07	100%	0.07	NA	NA	SEED
<i>Forestiera segregata</i>	FLORIDA SWAMP PRIVET	C	2.75 - 3.0	0.04	25%	0.01	10	5	3 Gal
<i>Ardisia escallonioides</i>	MARLBERRY	C	2.75 - 3.0	0.04	25%	0.01	10	5	3 Gal
<i>Spartina patens</i>	SALT MEADOW CORDGRASS	B	2.0 - 2.5	0.09	100%	0.09	3	445	BR
<i>Sporobolus virginicus</i>	SEASHORE DROPSEED	B	2.5 - 2.75	0.05	100%	0.05	3	223	BR
<i>Acrostichum danaeifolium</i>	GIANT LEATHER FERN	B	2.0 - 2.5	0.09	100%	0.09	40	3	1 Gal
<i>Juncus roemerianus</i>	BLACK RUSH	A	1.5 - 2.0	0.07	100%	0.07	2	758	4" BR
<i>Spartina alterniflora</i>	SALT MARSH CORDGRASS	A	0.5 - 1.5	0.12	100%	0.12	3	581	BR

AREA SM-2 PLANTING SCHEDULE

NOTE:
1. SEE PROJECT SPECIFICATIONS FOR COASTAL SEED MIX (SHEET 12A)

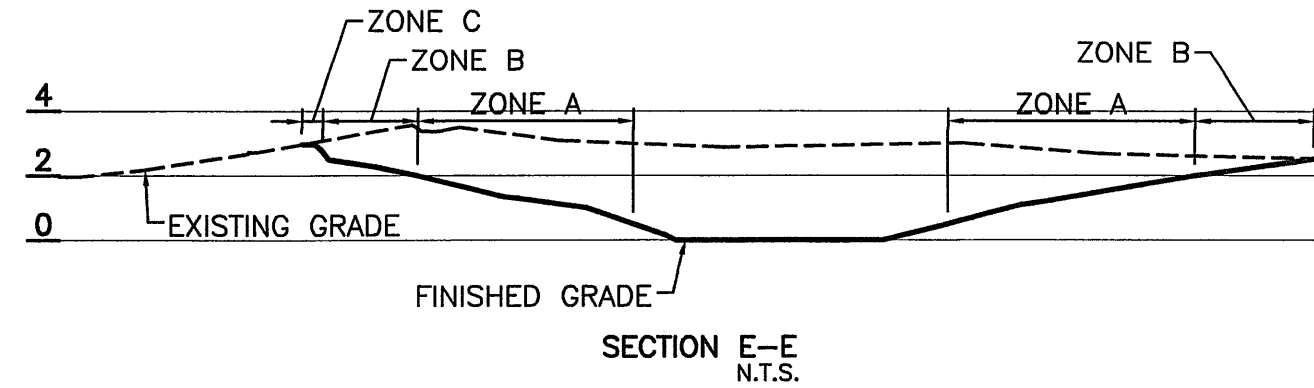


LEGEND

CREATION ZONE A

CREATION ZONE B

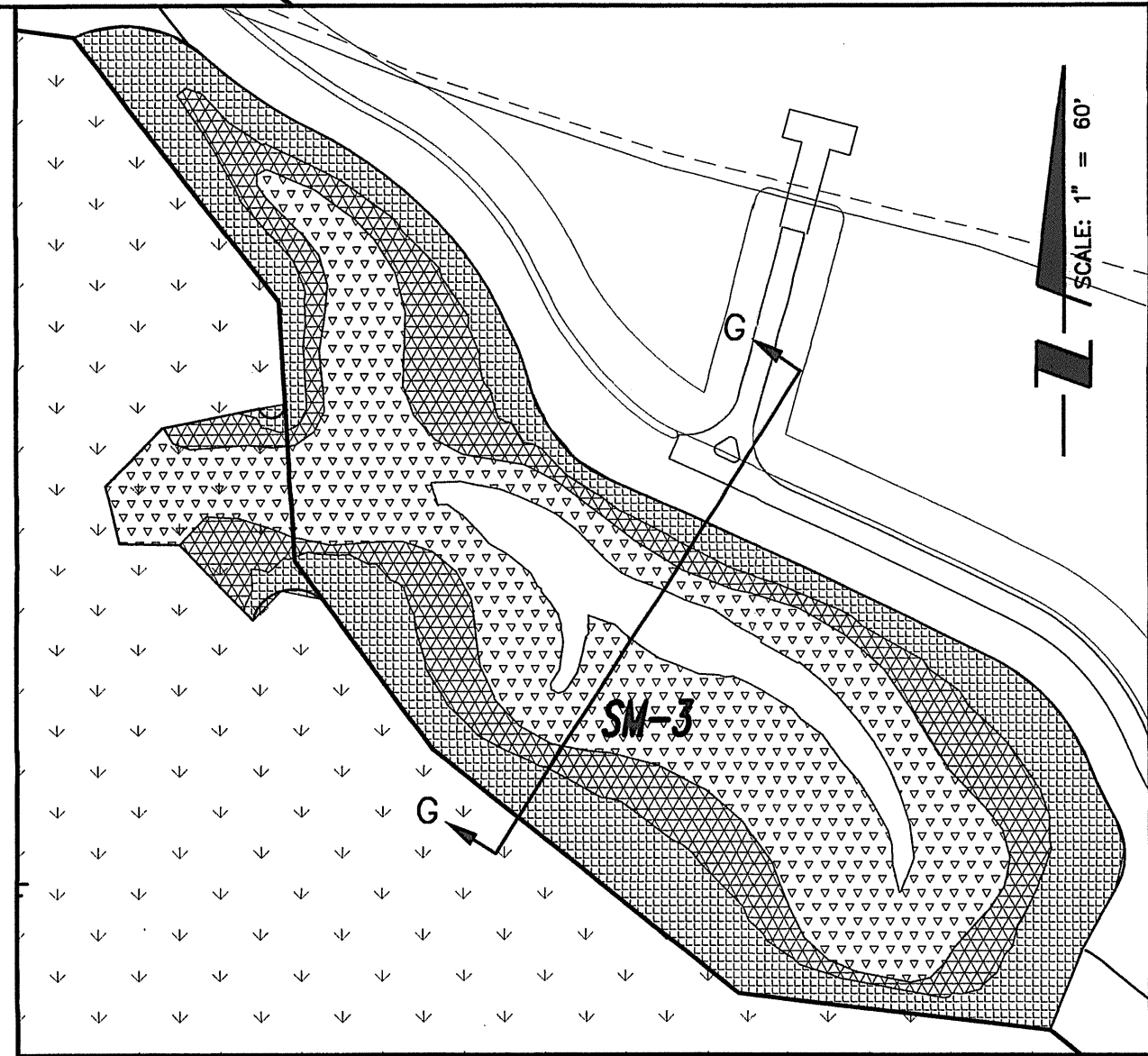
CREATION ZONE C



Scientific Name	Common Name	Zone	Elevation Range (NGVD)	Area at Elevation Range (Acres)	Percent Area Planted at Elev. Rng.	Area Planted Per Species (Acres)	Spacing 'O.C.	Quantity	Size
COASTAL SEED MIX	HYDROSEEDING	C	2.75 - 3.0+	0.05	100%	0.05	NA	NA	SEED
<i>Forestiera segregata</i>	FLORIDA SWAMP PRIVET	C	2.75 - 3.0	0.02	50%	0.01	10	6	3 Gal
<i>Ardisia escallonioides</i>	MARLBERRY	C	2.75 - 3.0	0.02	50%	0.01	10	6	3 Gal
<i>Spartina patens</i>	SALT MEADOW CORDGRASS	B	2.0 - 2.5	0.36	100%	0.36	3	1731	BR
<i>Sporobolus virginicus</i>	SEASHORE DROPSEED	B	2.5 - 2.75	0.09	100%	0.09	3	452	BR
<i>Acrostichum danaeifolium</i>	GIANT LEATHER FERN	B	2.0 - 2.5	0.36	100%	0.36	40	10	1 Gal
<i>Juncus roemerianus</i>	BLACK RUSH	A	1.5 - 2.0	0.30	100%	0.30	2	3230	4" BR
<i>Spartina alterniflora</i>	SALT MARSH CORDGRASS	A	0.5 - 1.5	0.52	100%	0.52	3	2540	BR

AREA SM-1 PLANTING SCHEDULE

NOTE:
1. SEE PROJECT SPECIFICATIONS FOR COASTAL SEED MIX (SHEET 12A)

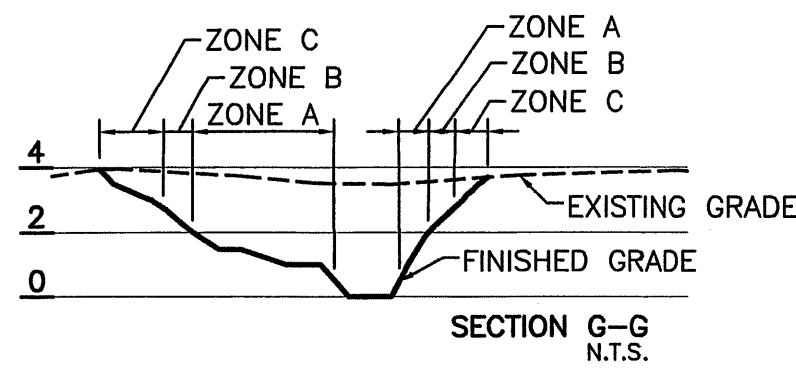


LEGEND

CREATION ZONE A

CREATION ZONE B

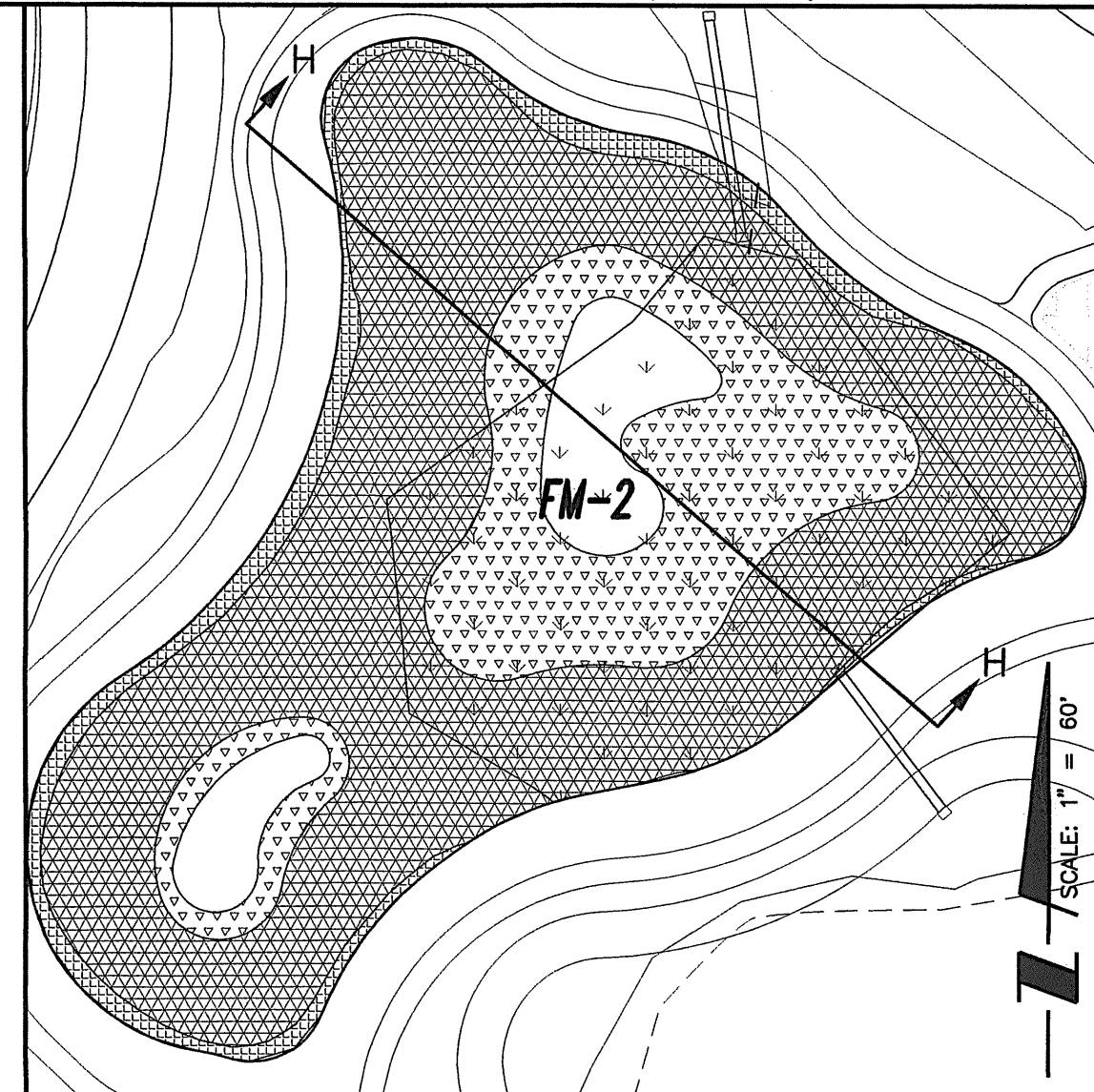
CREATION ZONE C



Scientific Name	Common Name	Zone	Elevation Range (NGVD)	Area at Elevation Range (Acres)	Percent Area Planted at Elev. Rng.	Area Planted Per Species (Acres)	Spacing 'O.C.	Quantity	Size
COASTAL SEED MIX	HYDROSEEDING	C	2.75 - 3.0+	0.34	100%	0.34	NA	NA	SEED
<i>Forestiera segregata</i>	FLORIDA SWAMP PRIVET	C	2.75 - 3.0	0.09	25%	0.02	10	10	3 Gal
<i>Ardisia escallonioides</i>	MARLBERRY	C	2.75 - 3.0	0.09	25%	0.02	10	10	3 Gal
<i>Spartina patens</i>	SALT MEADOW CORDGRASS	B	2.0 - 2.5	0.17	100%	0.17	3	843	BR
<i>Sporobolus virginicus</i>	SEASHORE DROPSEED	B	2.5 - 2.75	0.08	100%	0.08	3	409	BR
<i>Acrostichum danaeifolium</i>	GIANT LEATHER FERN	B	2.0 - 2.5	0.17	100%	0.17	40	5	1 Gal
<i>Juncus roemerianus</i>	BLACK RUSH	A	1.5 - 2.0	0.18	100%	0.18	2	1995	4" BR
<i>Spartina alterniflora</i>	SALT MARSH CORDGRASS	A	0.5 - 1.5	0.24	100%	0.24	3	1172	BR

AREA SM-3 PLANTING SCHEDULE

NOTE:
1. SEE PROJECT SPECIFICATIONS FOR COASTAL SEED MIX (SHEET 12A)

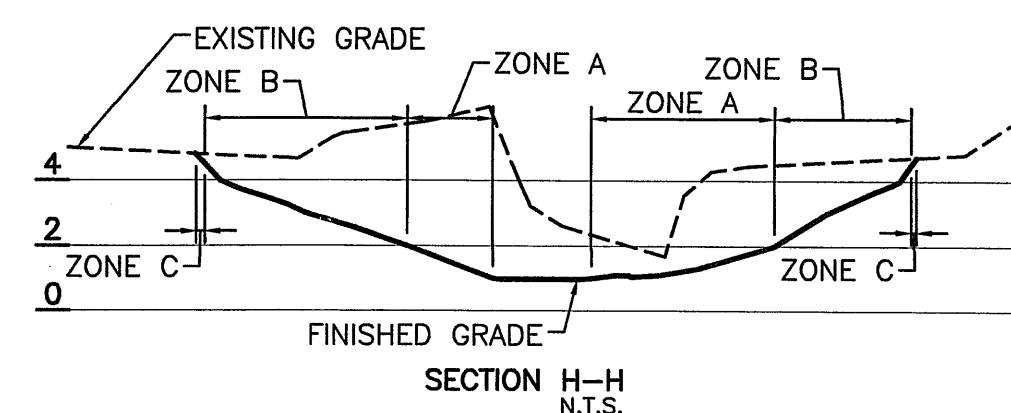


LEGEND

CREATION ZONE A

CREATION ZONE B

CREATION ZONE C

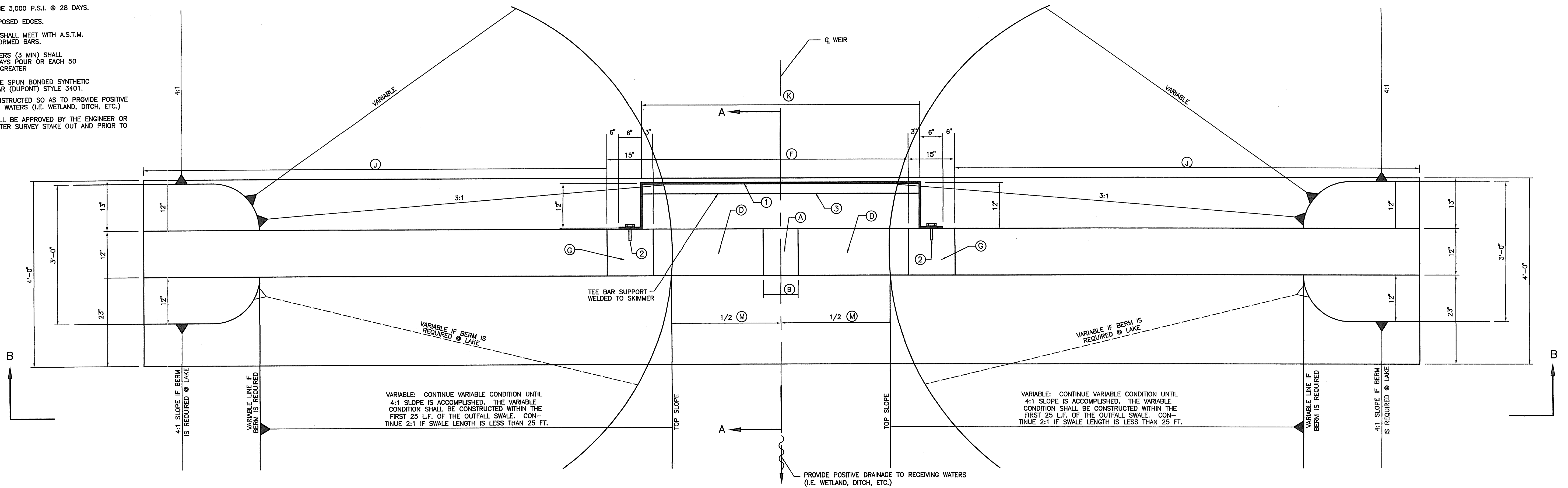


Scientific Name	Common Name	Zone	Elevation Range (NGVD)	Area at Elevation Range (Acres)	Percent Area Planted at Elev. Rng.	Area Planted Per Species (Acres)	Spacing 'O.C.	Quantity	Size
FLORIDA WET FLATWOODS SEED MIX	HYDROSEEDING	C	4.9 - 5+	0.03	100%	0.03	NA	NA	SEED
<i>Spartina bakeri</i>	SAND CORDGRASS	C	4.5 - 5.0	0.06	50%	0.03	10	13	1 Gal
<i>Tripsacum dactyloides</i>	EASTERN GAMAGRASS; FAKAHATCHEEGRASS	C	4.5 - 5.0	0.06	50%	0.03	10	13	1 Gal
<i>Juncus effusus</i>	SOFT RUSH	C	4.5 - 5.0	0.06	100%	0.06	3	282	BR
<i>Eleocharis cellulosa</i>	SPIKE RUSH	B	3.0 - 4.5	0.48	50%	0.24	3	1156	BR
<i>Panicum hemitomon</i>	MAIDENCANE	B	3.0 - 4.5	0.48	50%	0.24	3	1156	BR
<i>Pontederia cordata</i>	PICKERELWEED	B	2.5 - 3.0	0.32	25%	0.08	3	354	BR
<i>Sagittaria lancifolia</i>	BULLTONGUE ARROWHEAD	B	2.5 - 3.0	0.32	50%	0.16	3	783	BR
<i>Thalia geniculata</i>	ALLIGATORFLAG; FIREFLAG	B	2.0 - 2.5	0.19	50%	0.09	5	166	BR
<i>Nuphar advena</i>	SPATTERDOCK; YELLOW PONDILLY	A	1.0 - 2.0	0.32	50%	0.16	10	69	BR
<i>Nymphaea odorata</i>	AMERICAN WHITE WATERLILY	A	1.0 - 2.0	0.32	50%	0.16	10	69	BR

AREA FM-2 PLANTING SCHEDULE

NOTE:
1. SEE PROJECT SPECIFICATIONS FOR FLORIDA WET FLATWOODS SEED MIX (SHEET 12A)

- NOTES:
1. ALL CONCRETE SHALL BE 3,000 P.S.I. @ 28 DAYS.
 2. 3/4" CHAMFER ALL EXPOSED EDGES.
 3. STEEL REINFORCEMENT SHALL MEET WITH A.S.T.M. SPEC. (A-615) 4, DEFORMED BARS.
 4. CONCRETE TEST CYLINDERS (3 MIN) SHALL BE TAKEN FOR EACH DAYS POUR OR EACH 50 YARDS WHICH EVER IS GREATER
 5. FILTER FABRIC SHALL BE SPUN BONDED SYNTHETIC FABRIC, EQUAL TO TYPAR (DUPONT) STYLE 3401.
 6. OUTFALL SHALL BE CONSTRUCTED SO AS TO PROVIDE POSITIVE DRAINAGE TO RECEIVING WATERS (I.E. WETLAND, DITCH, ETC.)
 7. LOCATION OF WEIR SHALL BE APPROVED BY THE ENGINEER OR HIS REPRESENTATIVE AFTER SURVEY STAKE OUT AND PRIOR TO INSTALLATION.

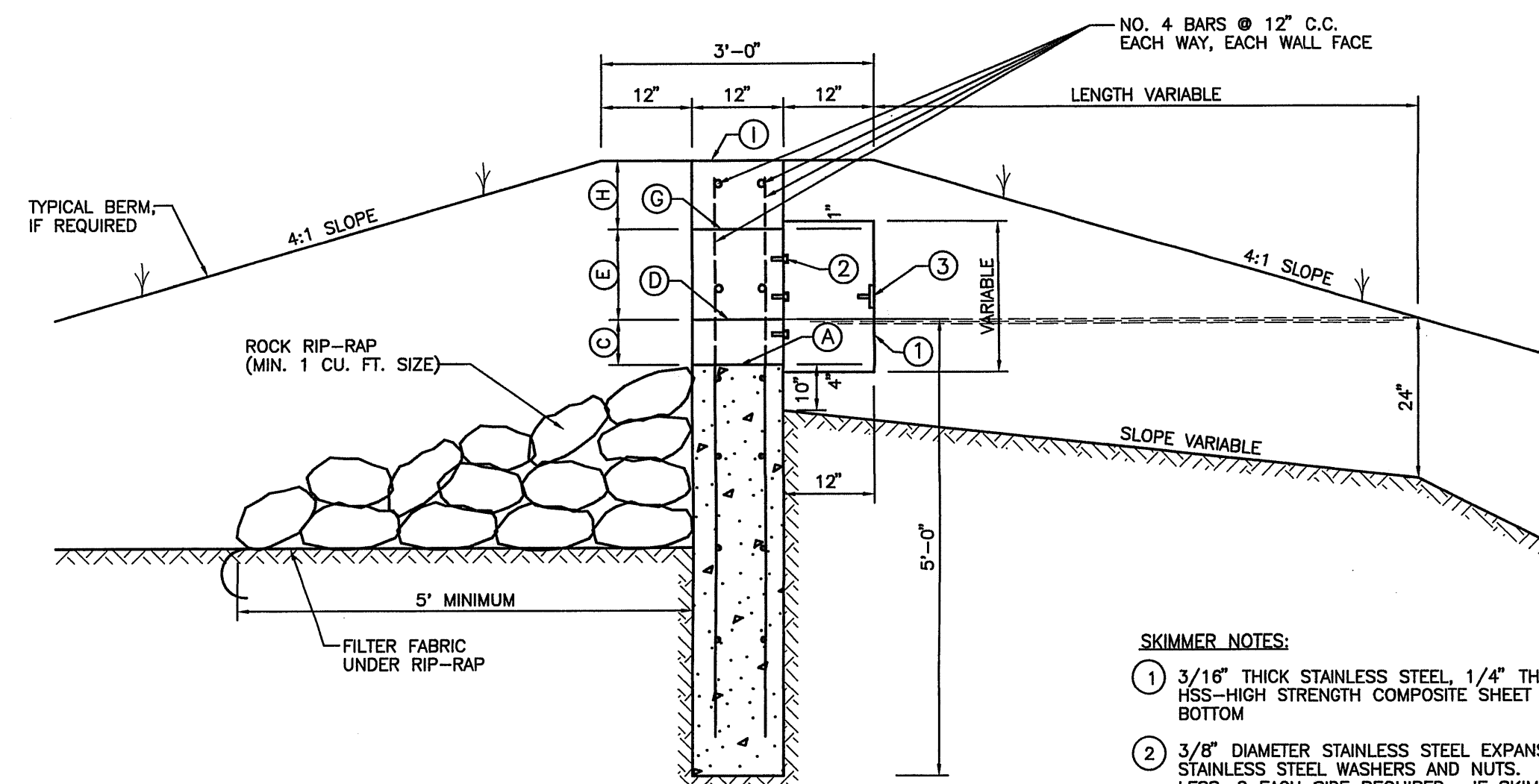


PLAN VIEW
N.T.S.

STRUCTURE NUMBER	A E ELEVATION WEIR NOTCH (FT-NGVD)	B WIDTH OF NOTCH (FT)	C HEIGHT OF NOTCH (FT)	D E ELEVATION WEIR (FT-NGVD)	E HEIGHT OF WEIR (FT)	F WIDTH OF WEIR (FT)	G E ELEVATION WEIR STEP (FT-NGVD)	H HEIGHT OF WEIR STEP (FT)	I E ELEVATION WINGWALL (FT-NGVD)	J LENGTH OF WINGWALL (FT)	SPECIAL REMARKS
WR-1	2.50	5.50	0.50	3.00	0.50	8.00	3.50	N/A	3.50	5.24	NO SKIMMER REQUIRED

DATA TABLE
N.T.S.

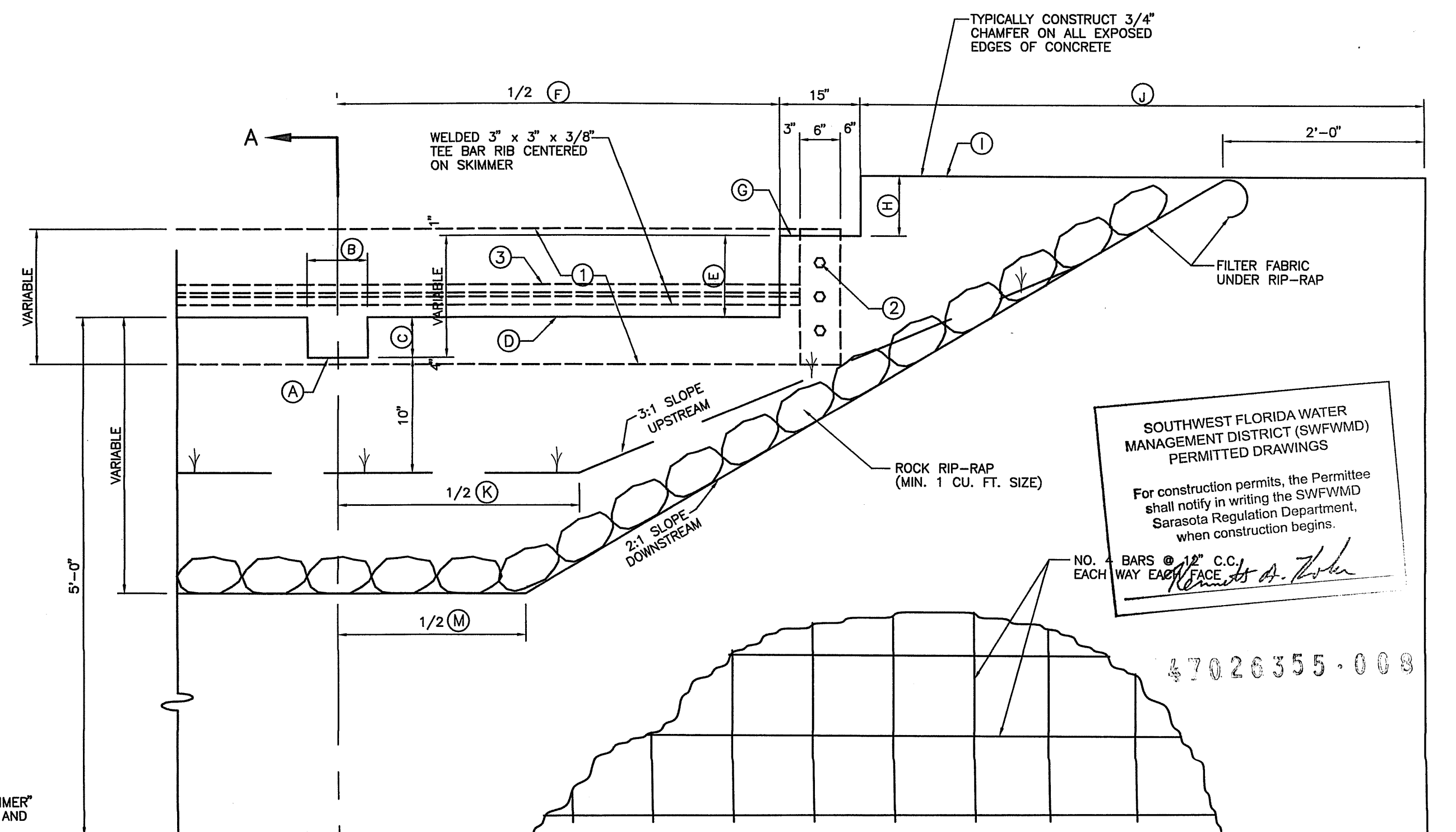
$$J = ((I - A) + 0.33) \times 3 - 0.75 + 2$$



SECTION "A-A"
N.T.S.

SKIMMER NOTES:

1. 3/16" THICK STAINLESS STEEL 1/4" THICK ALUMINUM OR 3/16" "GLASKIMER" HSS-HIGH STRENGTH COMPOSITE SHEET SKIMMER PLATE WITH OPEN TOP AND BOTTOM
2. 3/8" DIAMETER STAINLESS STEEL EXPANSION ANCHORS, 3" LONG MINIMUM WITH STAINLESS STEEL WASHERS AND NUTS. IF HEIGHT OF SKIMMER IS 12" OR LESS, 2 EACH SIDE REQUIRED. IF SKIMMER IS OVER 12" HEIGHT, SPACE BOLTS ONE FOR EACH 6" C.C. MAXIMUM SPACING EACH SIDE OF SKIMMER.
3. WELDED 3" x 3" x 3/8" TEE BAR RIB CENTERED ON SKIMMER.



SECTION "B-B"
(HALF SECTION)
SYMMETRICAL ABOUT C
N.T.S.

SOUTHWEST FLORIDA WATER
MANAGEMENT DISTRICT (SWFWMD)
PERMITTED DRAWINGS
For construction permits, the Permittee
shall notify in writing the SWFWMD
Sarasota Regulation Department,
when construction begins.

NO. 4 BARS @ 12" C.C.
EACH WAY EACH FACE

47026355-009

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

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DEC 15 2010

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DRAINAGE DETAILS

CLIENT: MANATEE BOARD
OF COUNTY COMMISSIONERS
PROJECT: TOM BENNETT PARK
HABITAT RESTORATION PLAN

DATE: SEPT 2010
HORIZONTAL SCALE: AS SHOWN
VERTICAL SCALE: AS SHOWN
SEC: TWP: RGE: 23 34S 18E

TITLE: DRAINAGE DETAILS
CROSS REFERENCE FILE NO.:
PROJECT NUMBER: 06333-001-003

PROJECT NUMBER: 06333-001-003
SHEET NUMBER: 10 OF 13

WilsonMiller
Planners • Engineers • Ecologists • Surveyors • Landscape Architects • Transportation Consultants
WilsonMiller, Inc.

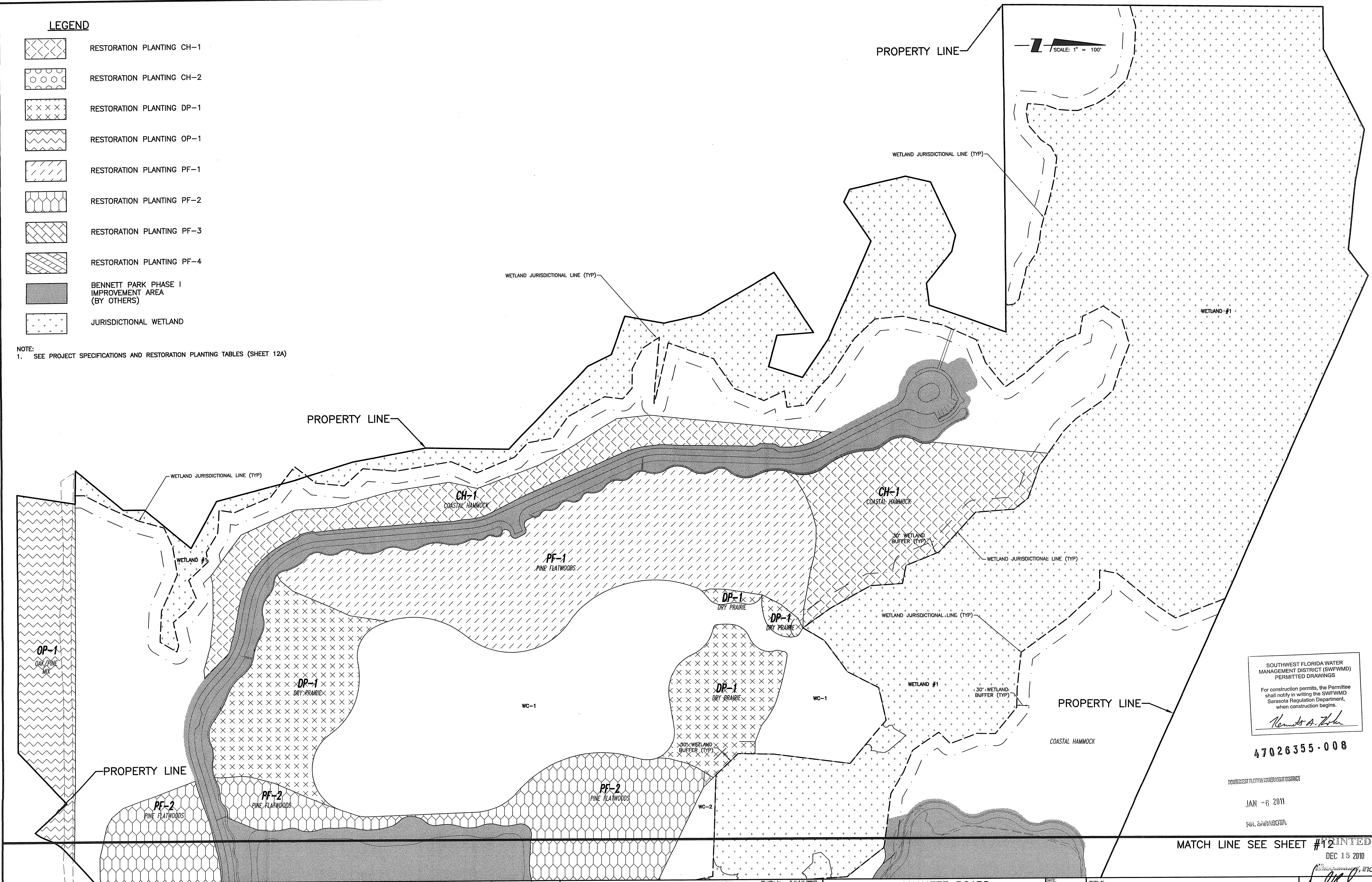
6900 Professional Parkway East, Suite 100 • Sarasota, Florida 34240-9414 • Phone 941-907-6900 • Fax 941-907-6910 • Web Site www.wilsonmiller.com

REV NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WIM APPROVED BY:	ACTIVITY	INITIALS/EMP. NO.	DATE
						DESIGNED BY:		
						DRAWN BY:	ATO/2270	09/20/10
						CHECKED BY:		
						CONTRACT ADMIN. BY:		

LEGEND

- RESTORATION PLANTING CH-1
- RESTORATION PLANTING CH-2
- RESTORATION PLANTING DP-1
- RESTORATION PLANTING OP-1
- RESTORATION PLANTING PF-1
- RESTORATION PLANTING PF-2
- RESTORATION PLANTING PF-3
- RESTORATION PLANTING PF-4
- BENNETT PARK PHASE I IMPROVEMENT AREA (BY OTHERS)
- JURISDICTIONAL WETLAND

NOTE:
1. SEE PROJECT SPECIFICATIONS AND RESTORATION PLANTING TABLES (SHEET 12A)



SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD) PERMITTED DRAWINGS
For construction permits, the Permittee shall notify in writing the SWFWMD Sarasota Regulation Department, when construction begins.
Kenneth A. Zohn

47026355-008

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

JAN -6 2011

WFL SARASOTA

MATCH LINE SEE SHEET #12 PRINTED
DEC 15 2010

				ACTIVITY		INITIALS/EMP. NO.		DATE		WilsonMiller WilsonMiller, Inc. - P.L.L.C. (LC-000179) WilsonMiller, Inc. - Certificate of Authorization #01 Planners • Engineers • Ecologists • Surveyors • Landscape Architects • Transportation Consultants WilsonMiller, Inc. 6800 Professional Parkway East, Suite 100 • Sarasota, Florida 34240-6444 • Phone 941-907-6800 • Fax 941-907-6810 • Web Site www.wilsonmiller.com				CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS		DATE: SEPT 2010		TITLE: RESTORATION PLANTING PLAN WEST		Handwritten signature DANIEL J. BRAD, P.E. 12-15-10 FLORIDA LICENSE NO. 57869	
				DESIGNED BY:																	
				DRAWN BY:		DFH/0953		09/20/10													
				CHECKED BY:																	
				CONTRACT ADMIN. BY:																	
				WIM APPROVED BY:																	
Δ REV. NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.		SHEET NUMBER: 11 OF 13											



PROPERTY LINE

PROPERTY LINE

PROPERTY LINE

PROPERTY LINE

BENNETT PARK
PHASE I
(BY OTHERS)

CYPRESS CREEK BLVD

LEGEND

- RESTORATION PLANTING CH-1
- RESTORATION PLANTING CH-2
- RESTORATION PLANTING DP-1
- RESTORATION PLANTING OP-1
SOUTHWEST FLORIDA WATER
MANAGEMENT DISTRICT (SWFWMD)
PERMITTED DRAWINGS
- RESTORATION PLANTING PF-1
shall notify in writing the SWFWMD
Sarasota Regulation Department
when construction begins.
- RESTORATION PLANTING PF-2
- RESTORATION PLANTING PF-3
47026355-000
- RESTORATION PLANTING PF-4
- BENNETT PARK PHASE I
IMPROVEMENT AREA
(BY OTHERS)
- JURISDICTIONAL WETLAND

PRINTED

DEC 15 2010

WILSONMILLER, INC.

JAN -6 2011

NOTE:
1. SEE PROJECT SPECIFICATIONS AND RESTORATION PLANTING TABLES (SHEET 12A)

REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:	ACTIVITY	INITIALS/EMP. NO.	DATE
					DESIGNED BY:		
					DRAWN BY:	DFH/0953	09/20/10
					CHECKED BY:		
					CONTRACT ADMIN. BY:		

WilsonMiller
Planners • Engineers • Ecologists • Surveyors • Landscape Architects • Transportation Consultants
WilsonMiller, Inc.
6800 Professional Parkway East, Suite 100 • Sarasota, Florida 34240-8444 • Phone 941-907-6900 • Fax 941-907-6910 • Web Site www.wilsonmiller.com

CLIENT: MANATEE BOARD
OF COUNTY COMMISSIONERS
PROJECT: TOM BENNETT PARK
HABITAT RESTORATION PLAN

DATE:
SEPT 2010
HORIZONTAL SCALE:
1" = 100'
VERTICAL SCALE:
NA
SEC: 27
TWP: 34S
RGE: 18E

TITLE: RESTORATION PLANTING PLAN EAST
CROSS REFERENCE FILE NO.:
PROJECT NUMBER:
06333-001-003
SHEET NUMBER:
12 OF 13

PROJECT SPECIFICATIONS

Nesting Platform

Two artificial nesting platforms as described by the USGS Northern Prairie Wildlife Research Center as "Great Blue Heron Nest Platform" shall be constructed and erected approximately 30 feet apart in the central portion of RI-1. Sticks shall be placed in all six nesting areas to encourage nesting by wading birds. Refer to the USGS website <http://www.npwrc.usgs.gov/resource/wildlife/ndblinds/gbheron.htm> for specifications.

Wetland Creation Areas Planting Preparation

The upper 12 inches of topsoil within Wetland Creation Areas shall be stockpiled separately for use to make finished grade. The creation areas will be over excavated by 9 inches to accommodate the stockpiled topsoil which will be added back to obtain finished grade.

Exotic Vegetation Removal

All herbicide applications are to be performed under the supervision of persons licensed by the Florida Department of Agriculture and Consumer Services (FDACS) in the category of Aquatic and Natural Areas Weed Management. Care must be taken to avoid damage to non-target desirable native vegetation.

Treatment Only

In areas designated as Treatment Only, nuisance and exotic vegetation control will be limited to treatment with herbicides by hand-carried equipment only. No wheeled or tracked equipment is to enter these areas. Nuisance and exotic vegetation is to be treated with appropriate systemic herbicides labeled for aquatic use. Biomass in this area may be left in place.

Environmentally Sensitive Mechanical Removal

In areas designated as Environmentally Sensitive Mechanical Removal, a combination of manual and mechanical removal techniques shall be used to control nuisance and exotic vegetation. Nuisance and exotic plants with stems greater than 1.5 inches at the base shall be stump cut no greater than 3 inches from the ground. Nuisance and exotic plants less than 1.5 inches at the base are to be killed in place by foliar application and left to decompose over time. An appropriate systemic herbicide shall be applied to stumps to prevent re-growth. Any re-growth from stumps within the establishment period shall be re-treated. Care must be taken to avoid damage to non-target desirable native vegetation.

In this area, biomass removal may be performed with the use of light weight equipment that will cause only minimal soil disturbance such as a light weight tractor or compact track loader fitted with a grapple. Biomass shall be removed to pre-determined areas for reduction/disposal. (Refer to Nuisance and Exotic Species Biomass Reduction Specifications.) Any areas of soil disturbance or compaction shall be restored to its original condition by the contractor. Extreme caution shall be used by the contractor to minimize damage to native vegetation in these areas.

Full Mechanical Removal

In areas designated as Full Mechanical Removal, heavy equipment may be used to remove nuisance and exotic vegetation. All non-native trees and shrubs shall be removed including the roots and the area returned to original grade. Following tree and shrub removal and re-grading, a broadcast treatment of a nonselective herbicide shall be applied targeting non-native ground cover species in this area including bahiagrass (*Paspalum notatum*) and cogon grass (*Imperata cylindrica*). One month following the initial groundcover herbicide treatment, the entire area shall be tilled with a disc harrow to de-compact and expose mineral soils. Additional applications of non-selective herbicide shall be performed 30 and 60 days following tilling. One month after the third herbicide treatment, the area shall be mowed to a height of 1 inch or less and seeded as specified in the Direct Seeding Specifications. Refer to the following Full Mechanical Removal Area Schedule of Events; adjustments to this schedule shall be made only by the project ecologist and Manatee County.

Full Mechanical Removal Area Schedule of Events

August/September	1st Herbicide Treatment
September/October	Discing of Entire Area
October/November	2nd Herbicide Treatment
November/December	3rd Herbicide Treatment
December/January	Scalp Mowing followed by Direct Seeding

Several large patches (greater than 15' x 15') of desirable ground cover vegetation exist in these areas and are not to be destroyed. These patches of desirable ground cover vegetation consist of saltgrass (*Distichlis spicata*), seashore dropseed (*Sporobolus virginicus*), and seashore paspolum (*Paspalum vaginatum*) and associated species. These areas will be field identified and demarcated by a qualified ecologist prior to commencement of work in this area to minimize damage.

Nuisance and Exotic Species Biomass Reduction

Biomass removed from Environmentally Sensitive Mechanical and Full Mechanical areas is to be stockpiled for curing and burning to be conducted by the Contractor. Prior to commencement of exotic species removal within the Full Mechanical and Environmentally Sensitive Mechanical areas, the contractor shall coordinate with and obtain approved methods of biomass burning from the Florida Division of Forestry and Manatee County. Soil from rootballs removed in Full Mechanical area is to be shaken off before stockpiling. The use of an air curtain incinerator or similar method is preferred.

Direct Seeding

Direct seeding will be performed in all areas designated as Full Mechanical Exotic Removal Areas. Large scale direct seeding shall be completed in the months of December or January. Planting area preparations should be scheduled accordingly to allow for seeding to take place at that time. Seeds shall be planted using a mechanized seed drill to ensure proper contact with mineral soil. Direct seeding areas are to be maintained on a quarterly basis for a period of two years following installation targeting non-target vegetation. Contents of seed mixes are as follows:

Florida Wet Flatwoods Seed Mix

Aristida spp – Wiregrass
Liatris spicata – Blazing Star
Carphephorus canosus – Pineland Chaffhead
Carphephorus paniculatus – Hair Chaffhead
Coreopsis floridana – Florida Tickseed
Eriocaulon spp – Pipewort
Ctenium aromaticum – Toothachegrass
Cyngium yuccifolium – Rattlesnake Master
Lobelia spiliotica – Blue Lobelia
Aristida spiciformis – Bitterbrush Threawn
Panicum rigidulum – Redtop Panic Grass
Andropogon virginicus – Broom Sedge
Andropogon glomeratus – Bushy Bluestem
Hypericum spp – St. John's Wort
Rhexia spp – Meadow Beauty
Ludwigia spp – Seedbox
Rhynchospora spp – Beaksedge
Xyris spp – Yelloweyed Grass

Coastal Seed Mix

Paspalum vaginatum – Seashore Paspolum
Mimosa strigillosa – Powderpuff
Helianthus debilis sub vestitus – Dune Sunflower
Gaillardia pulchella – Blanket Flower
Andropogon glomeratus – Bushy Bluestem
Ctenium aromaticum – Toothachegrass
Cyngium yuccifolium – Rattlesnake Master
Lobelia spiliotica – Blue Lobelia
Aristida spiciformis – Bitterbrush Threawn
Panicum rigidulum – Redtop Panic Grass
Andropogon virginicus – Broom Sedge
Andropogon glomeratus – Bushy Bluestem
Hypericum spp – St. John's Wort
Rhexia spp – Meadow Beauty
Ludwigia spp – Seedbox
Rhynchospora spp – Beaksedge
Xyris spp – Yelloweyed Grass

Dry Prairie Seed Mix

Andropogon glomeratus – Bushy Bluestem
Coreopsis leavenworthii – Tickseed
Eragrostis spectabilis – Purple Love Grass
Liatris spicata – Dense Gayfeather
Muhlenbergia capillaris – Hairawn Muhly
Sisyrinchium angustifolium – Blue-eyed Grass
Solidago canadensis – Canada Goldenrod
Solidago fistulosa – Pine Barren Goldenrod

Hydro-seeding

All upland swales are to be vegetated by hydro-seeding with Florida Wet Flatwoods native seed mixture. Seed mixture is to be applied at 12 pounds of seed per acre. Other areas to receive native hydro-seeding (upper zones of wetland creation area and swales) shall have the seed slurry applied as soon as possible following completion of final grade. Hydro-seeding areas are to be maintained on a quarterly basis for a period of two years following installation targeting non-target vegetation.

Container Plant Material

All container-grown plants shall meet minimum size and quality requirements of Florida No. 2 grade plant or better as specified by the Florida Department of Agriculture and Consumer Services (FDACS) in their publication "Grades and Standards for Nursery Plants". Plants exhibiting poor growth characteristics or stress will not be accepted.

Plants are to be installed no later than twenty-four (24) hours after delivery to the site or provisions shall be made to keep them shaded and watered until installation. Following installation, each container plant shall be watered in with at least 3 gallons of water to minimize air pockets around the plant roots. One quarter cup of 14-14-14 time release fertilizer shall be added to the bottom of each potted plant. Staking and guying is to be performed by the Contractor if needed as determined by the County and project ecologist.

The Contractor shall perform weekly watering events (up to 12 events) as determined by the County. The Contractor shall guarantee the survival of at least ninety (90) percent of all plant materials. Container-grown plants that die in excess of ten (10) percent (per species) allowance shall be replaced by the Contractor at no additional cost to the County.

Archaeological Resources

If archeological artifacts are discovered during the course of construction activities, the Contractor must stop work in the area and promptly notify the Project Manager.

RESTORATION PLANTING TABLES

AREA PF-1 Planting Schedule

Scientific Name	Common Name	Acres	Spacing 'O.C.	Quantity	Size
Florida Wet Flatwoods Seed Mix	MECHANIZED SEED DRILL	7.25	12lb/AC	87lb	SEED
<i>Pinus elliotii</i> var. densa	SOUTH FLORIDA SLASH PINE	2.50	45	54	25 Gal
<i>Pinus elliotii</i> var. densa	SOUTH FLORIDA SLASH PINE	2.50	30	121	7 Gal
<i>Pinus palustris</i>	LONGLEAF PINE	1.00	45	22	25 Gal
<i>Pinus palustris</i>	LONGLEAF PINE	1.25	30	61	7 Gal
<i>Myrica cerifera</i>	WAX MYRTLE	2.50	30	121	7 Gal
<i>Serenoa repens</i>	SAW PALMETTO	1.00	40	28	1 Gal
<i>Ilex glabra</i>	GALBERRY	0.75	40	21	1 Gal
<i>Erythrina herbacea</i>	CORALBEAN	0.75	40	21	1 Gal
<i>Lyonia lucida</i>	FETTERBUSH	1.25	40	35	1 Gal
<i>CalliCARPA americana</i>	BEAUTY BERRY	1.00	40	28	1 Gal

AREA PF-2 Planting Schedule

Scientific Name	Common Name	Acres	Spacing 'O.C.	Quantity	Size
Florida Wet Flatwoods Seed Mix	MECHANIZED SEED DRILL	7.19	12lb/AC	87lb	SEED
<i>Pinus elliotii</i> var. densa	SOUTH FLORIDA SLASH PINE	2.50	45	54	25 Gal
<i>Pinus elliotii</i> var. densa	SOUTH FLORIDA SLASH PINE	2.50	30	121	7 Gal
<i>Pinus palustris</i>	LONGLEAF PINE	1.19	45	26	25 Gal
<i>Pinus palustris</i>	LONGLEAF PINE	1.00	30	49	7 Gal
<i>Myrica cerifera</i>	WAX MYRTLE	2.50	30	121	7 Gal
<i>Serenoa repens</i>	SAW PALMETTO	1.00	40	28	1 Gal
<i>Ilex glabra</i>	GALBERRY	0.75	40	21	1 Gal
<i>Erythrina herbacea</i>	CORALBEAN	0.75	40	21	1 Gal
<i>Lyonia lucida</i>	FETTERBUSH	1.00	40	28	1 Gal
<i>CalliCARPA americana</i>	BEAUTY BERRY	1.19	40	33	1 Gal

AREA PF-3 Planting Schedule

Scientific Name	Common Name	Acres	Spacing 'O.C.	Quantity	Size
Florida Wet Flatwoods Seed Mix	MECHANIZED SEED DRILL	0.91	12lb/AC	87lb	SEED
<i>Pinus elliotii</i> var. densa	SOUTH FLORIDA SLASH PINE	0.31	45	7	25 Gal
<i>Pinus elliotii</i> var. densa	SOUTH FLORIDA SLASH PINE	0.20	30	10	7 Gal
<i>Pinus palustris</i>	LONGLEAF PINE	0.20	45	5	25 Gal
<i>Pinus palustris</i>	LONGLEAF PINE	0.20	30	10	7 Gal
<i>Myrica cerifera</i>	WAX MYRTLE	0.16	30	8	7 Gal
<i>Serenoa repens</i>	SAW PALMETTO	0.15	40	5	1 Gal
<i>Ilex glabra</i>	GALBERRY	0.15	40	5	1 Gal
<i>Erythrina herbacea</i>	CORALBEAN	0.15	40	5	1 Gal
<i>Lyonia lucida</i>	FETTERBUSH	0.15	40	5	1 Gal
<i>CalliCARPA americana</i>	BEAUTY BERRY	0.15	40	5	1 Gal

AREA PF-4 Planting Schedule

Scientific Name	Common Name	Acres	Spacing 'O.C.	Quantity	Size
Florida Wet Flatwoods Seed Mix	MECHANIZED SEED DRILL	2.26	12lb/AC	87lb	SEED
<i>Pinus elliotii</i> var. densa	SOUTH FLORIDA SLASH PINE	0.76	45	17	25 Gal
<i>Pinus elliotii</i> var. densa	SOUTH FLORIDA SLASH PINE	0.50	30	25	7 Gal
<i>Pinus palustris</i>	LONGLEAF PINE	0.50	45	11	25 Gal
<i>Pinus palustris</i>	LONGLEAF PINE	0.50	30	25	7 Gal
<i>Myrica cerifera</i>	WAX MYRTLE	0.50	30	25	7 Gal
<i>Serenoa repens</i>	SAW PALMETTO	1.00	40	28	1 Gal
<i>Ilex glabra</i>	GALBERRY	0.20	40	6	1 Gal
<i>Erythrina herbacea</i>	CORALBEAN	0.16	40	5	1 Gal
<i>Lyonia lucida</i>	FETTERBUSH	0.20	40	6	1 Gal
<i>CalliCARPA americana</i>	BEAUTY BERRY	0.20	40	6	1 Gal

AREA DP-1 Planting Schedule

Scientific Name	Common Name	Acres	Spacing 'O.C.	Quantity	Size
Dry Prairie Seed Mix	MECHANIZED SEED DRILL	4.86	12lb/AC	58lb	SEED
<i>Myrica cerifera</i>	WAX MYRTLE	0.50	30	25	7 Gal
<i>Erythrina herbacea</i>	CORALBEAN	0.16	40	5	1 Gal

AREA CH-1 Planting Schedule

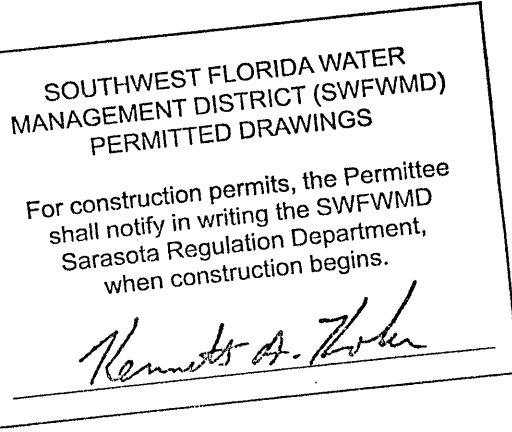
Scientific Name	Common Name	Acres	Spacing 'O.C.	Quantity	Size
Coastal Hammock Seed Mix	MECHANIZED SEED DRILL	6.11	12lb/AC	73lb	SEED
<i>Quercus virginiana</i>	LIVE OAK	0.75	45	17	25 Gal
<i>Quercus virginiana</i>	LIVE OAK	0.75	30	37	7 Gal
<i>Juniperus virginiana</i>	RED CEDAR	1.11	45	24	25 Gal
<i>Celtis laevigata</i>	SUGARBERRY	1.00	30	49	10 Gal
<i>Sabal palmetto</i>	CABBAGE PALM	2.50	45	54	FG 8'-10'
<i>Myrica cerifera</i>	WAX MYRTLE	2.00	30	97	7 Gal
<i>Ardisia escallonioides</i>	MARLBERRY	2.00	30	97	3 Gal
<i>Rapanea punctata</i>	MYRSINE	1.11	40	31	1 Gal
<i>CalliCARPA americana</i>	BEAUTY BERRY	1.00	40	28	1 Gal

AREA CH-2 Planting Schedule

Scientific Name	Common Name	Acres	Spacing 'O.C.	Quantity	Size
Coastal Hammock Seed Mix	MECHANIZED SEED DRILL	1.76	12lb/AC	21lb	SEED
<i>Myrica cerifera</i>	WAX MYRTLE	1400 feet	Linear 10'	140	15 Gal
<i>Pinus elliotii</i> var. densa	SOUTH FLORIDA SLASH PINE	1400 feet	Linear 10'	140	25 Gal

AREA OP-1 Planting Schedule

Scientific Name	Common Name	Acres	Spacing 'O.C.	Quantity	Size
Florida Wet Flatwoods Seed Mix	MECHANIZED SEED DRILL	6.11	12lb/AC	73lb	SEED
<i>Quercus virginiana</i>	LIVE OAK	2.00	45	44	25 Gal
<i>Quercus virginiana</i>	LIVE OAK	1.00	45	22	7 Gal
<i>Pinus elliotii</i> var. densa	SOUTH FLORIDA SLASH PINE	2.11	45	46	25 Gal
<i>Pinus elliotii</i> var. densa	SOUTH FLORIDA SLASH PINE	1.00	45	22	7 Gal
<i>Myrica cerifera</i>	WAX MYRTLE	2.00	30	97	7 Gal
<i>Ardisia escallonioides</i>	MARLBERRY	2.00	30	97	3 Gal
<i>Rapanea punctata</i>	MYRSINE	1.11	40	31	1 Gal
<i>CalliCARPA americana</i>	BEAUTY BERRY	1.00	40	28	1 Gal



47026355-008

SOUTHWEST FLORIDA WATER MGMT DISTRICT

JAN -6 2011

REL. SARASOTA

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DEC 15 2010

WILSONMILLER, LLC

WilsonMiller

Planners • Engineers • Ecologists • Surveyors • Landscape Architects • Transportation Consultants

WilsonMiller, Inc.

6900 Professional Parkway East, Suite 100 • Sarasota, Florida 34240-8444 • Phone 941-907-6900 • Fax 941-907-6910 • Web-Site www.wilsonmiller.com

CLIENT:

MANATEE BOARD
OF COUNTY COMMISSIONERS
TOM BENNETT PARK
HABITAT RESTORATION PLAN

PROJECT:

DATE:

SEPT 2010

HORIZONTAL SCALE:

AS SHOWN

VERTICAL SCALE:

AS SHOWN

SEE: TWP. RGE. SEC. 22 34S 18E

TITLE:

PROJECT SPECIFICATIONS /
RESTORATION PLANTING TABLES

CROSS REFERENCE FILE NO.:

PROJECT NUMBER:

06333-001-003

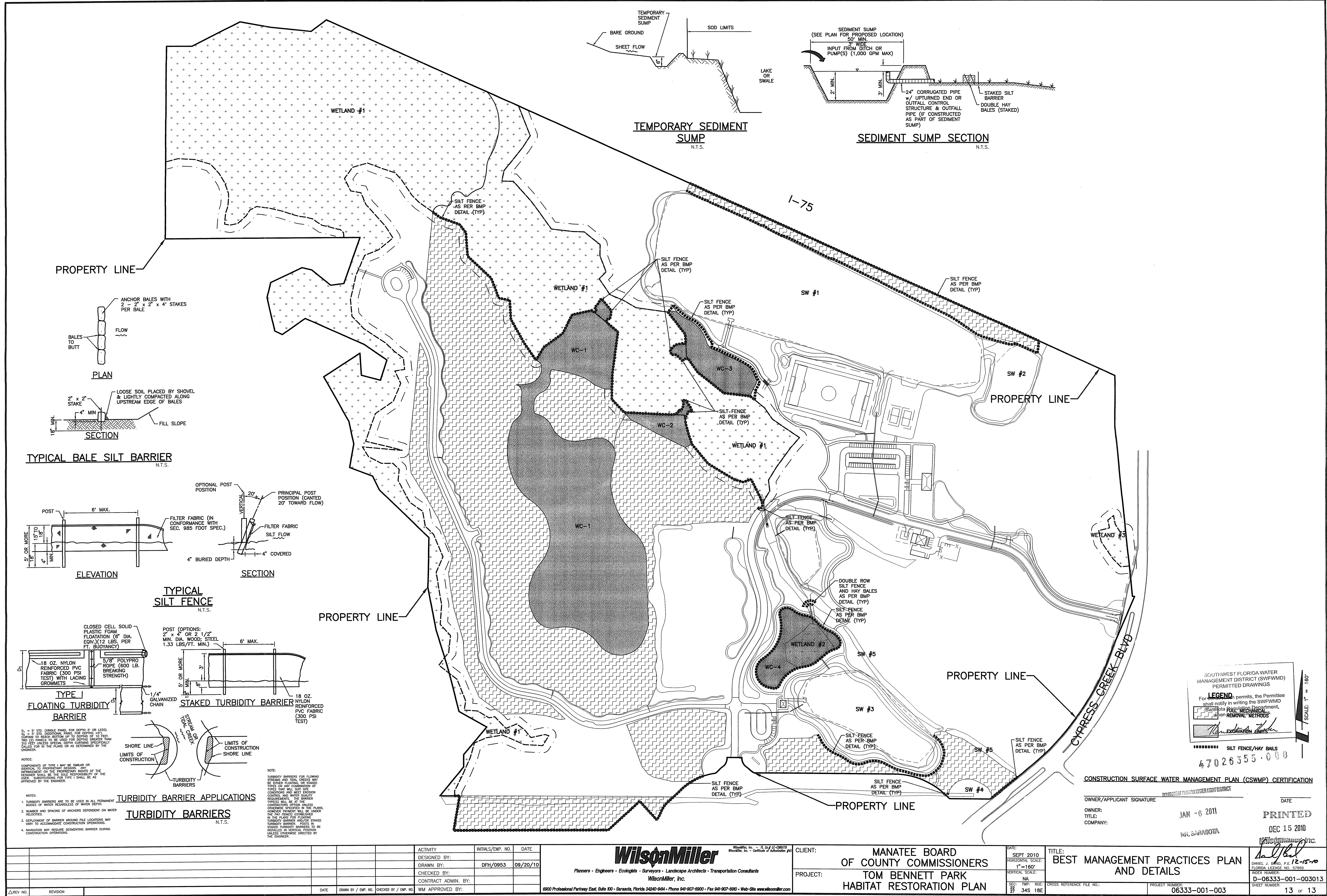
SHEET NUMBER:

12A OF 13

DANIEL J. BOND, P.E. 12-15-10

FLORIDA LICENSE NO. 57989

D-06333-001-003012A



SOUTHWEST FLORIDA WATER
MANAGEMENT DISTRICT (SWFWMD)
PERMITTED DRAWINGS

For this permit, the Permittee
shall notify in writing the SWFWMD
of any change in the location,
scope, or removal methods
of the structures shown on this
drawing.

[Signature]
Excavation Limits

***** SILT FENCE/HAY BALS

47026355-000

CONSTRUCTION SURFACE WATER MANAGEMENT PLAN (CSWMP) CERTIFICATION

OWNER/APPLICANT SIGNATURE _____ DATE _____

OWNER: _____

TITLE: _____

COMPANY: _____

JAN -6 2011

PRINTED

DEC 15 2010

REL SARASOTA

REV NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:	ACTIVITY	INITIALS/EMP. NO.	DATE
						DESIGNED BY:		
						DRAWN BY:	DFH/0953	09/20/10
						CHECKED BY:		
						CONTRACT ADMIN. BY:		

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WilsonMiller, Inc.

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CLIENT: MANATEE BOARD
OF COUNTY COMMISSIONERS

PROJECT: TOM BENNETT PARK
HABITAT RESTORATION PLAN

DATE: SEPT 2010	TITLE: BEST MANAGEMENT PRACTICES PLAN AND DETAILS
HORIZONTAL SCALE: 1" = 160'	
VERTICAL SCALE: NA	
SEC. TWP. RGE: 27 34S 18E	CROSS REFERENCE FILE NO.:
	PROJECT NUMBER: 06333-001-003
	SHEET NUMBER: 13 OF 13