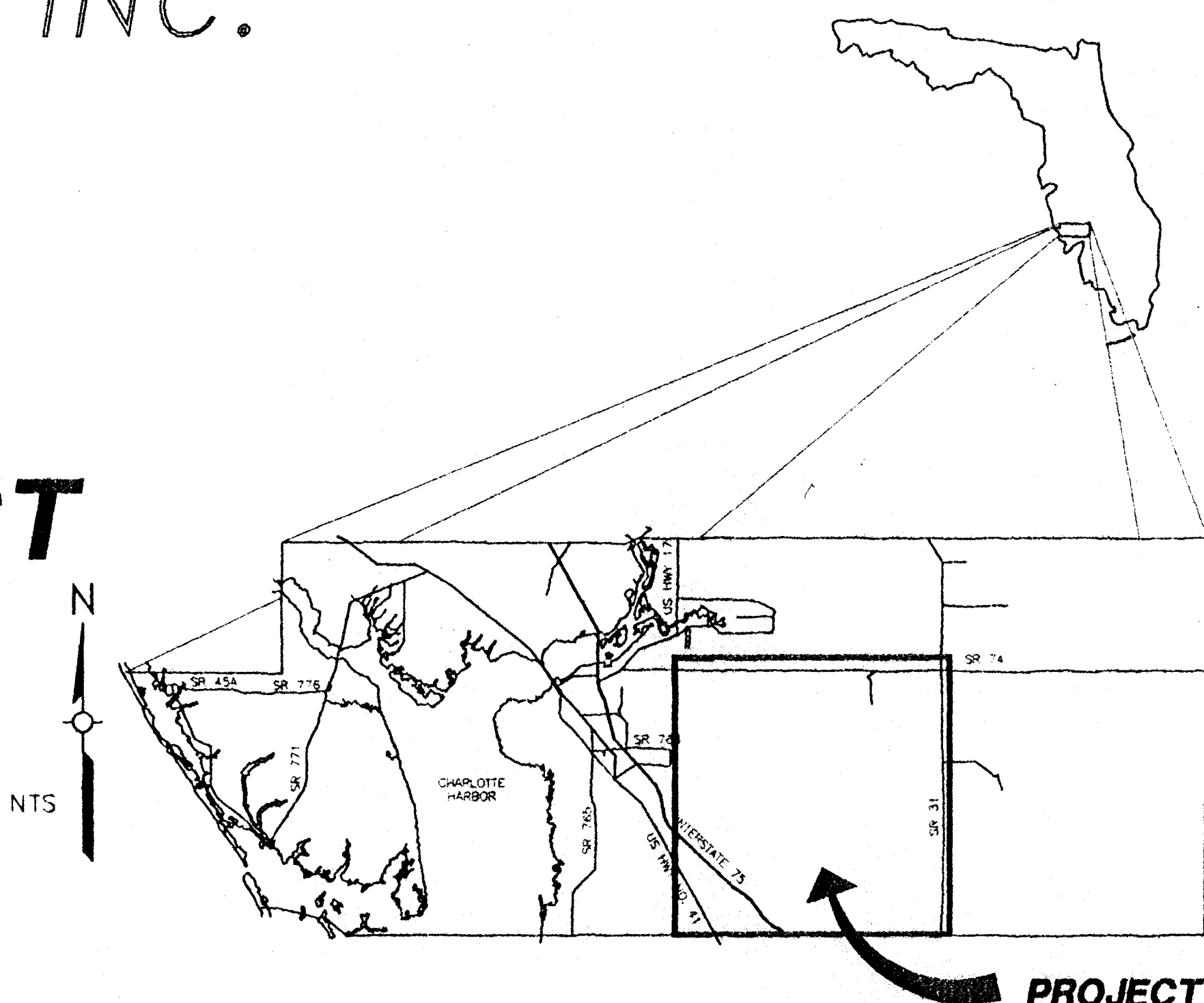


1750 84 ①

SEMINOLE ELECTRIC COOPERATIVE, INC.
16313 NORTH DALE MABRY HIGHWAY
P. O. BOX 27200
TAMPA, FLORIDA 33688-2000

CECIL WEBB MITIGATION PROJECT
CECIL M. WEBB
WILDLIFE MANAGEMENT AREA

CHARLOTTE COUNTY, FLORIDA



CHARLOTTE COUNTY
VICINITY MAP

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>TITLE</u>
1	COVER SHEET
2	POST CONSTRUCTION TOPOGRAPHY
3	POST CONSTRUCTION VEGETATION ZONATION
4	TYPICAL BERM SECTIONS NEAR STRUCTURES
5	WATER CONTROL STRUCTURES

PLANS PREPARED BY
BROMWELL AND CARRIER, INC.
LAKELAND, FLORIDA
(813/646-8591)
BCI PROJ. # 938639

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN
REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN
OBTAINING SCALED DATA.

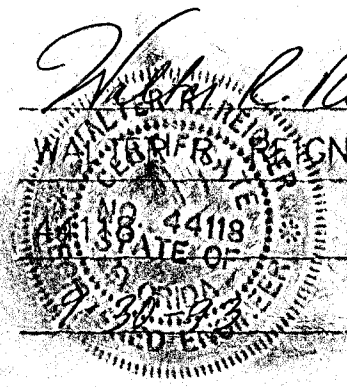
GOVERNING SPECIFICATIONS ARE AS DEFINED ON THE DRAWINGS AND/OR THE
SPECIAL PROVISIONS FOR THIS PROJECT.

ENGINEER CERTIFICATION

I hereby certify that I am a registered professional engineer in
the State of Florida practicing with Bromwell & Carrier, Inc., a
Corporation, authorized to operate as an engineering business, EB
0002851, by the State of Florida Department of Professional
Regulation, Board of Professional Engineers, and that I, or others
under my direct supervision, have prepared or approved the
evaluations, findings, opinions, calculations, conclusions, or
technical advice hereby represented by these drawings.

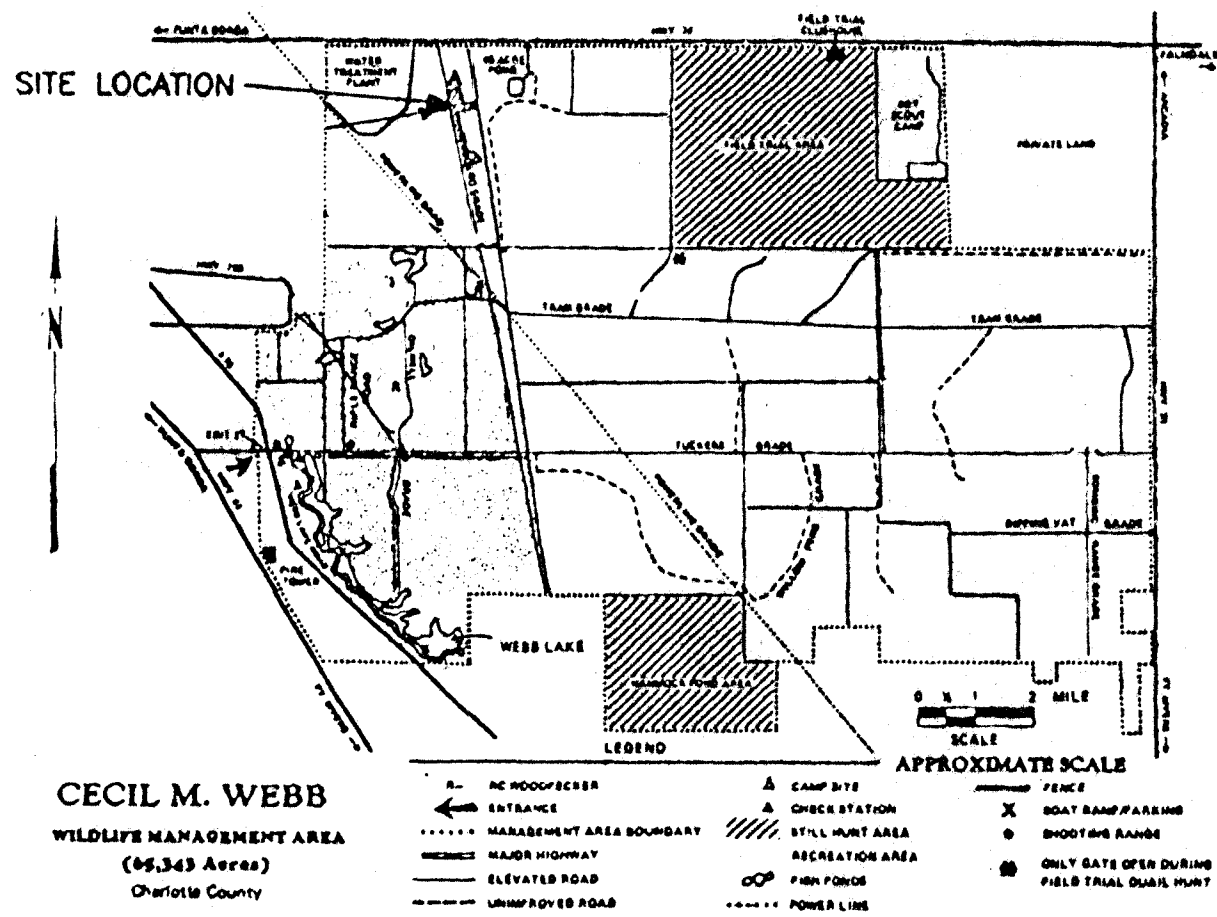
This certification applies only to construction of the system
and does not imply certification of hydraulic/hydrologic
design and related activities.

SIGNATURE: _____
NAME: _____
P.E. NUMBER: _____
DATE: _____



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JAN 24 1994
WET. RES. MGMT.

LOCATION MAP



SITE LOCATION

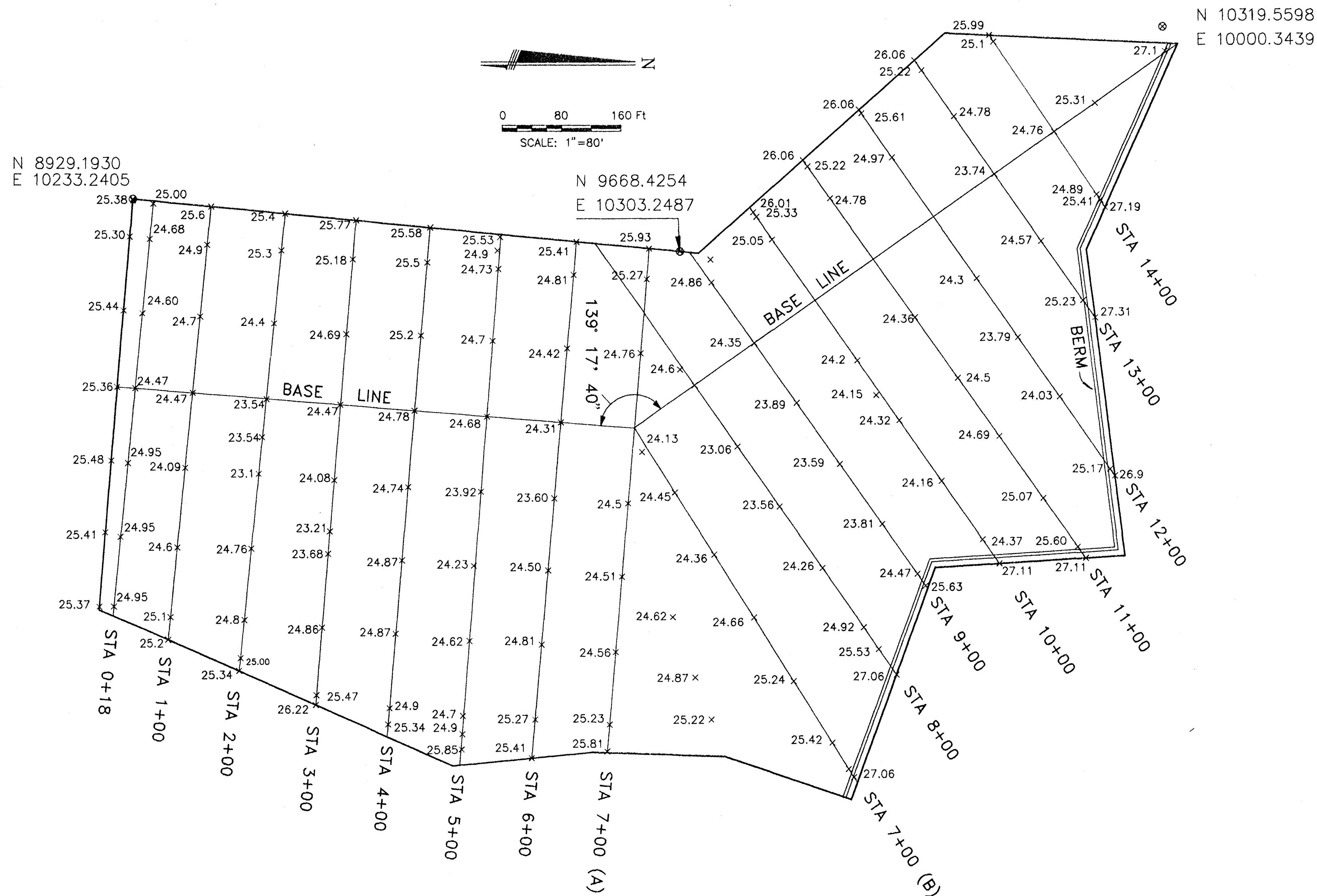
LEGEND:

(X) CONCRETE MONUMENT

MITIGATION BOUNDARY

24.74
x ELEVATION POINT

BERM



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SHEET 2 OF 5:

NOTE:
FENCE LOCATED APPROXIMATELY
10 FEET OFF MITIGATION BOUNDARY.

REVISED	8/16/93
REVISED	9/29/93
REVISED	
REVISED	
REVISED	
REVISED	

BCI
BROMWELL & CARRIER, INC.
6926 IMPERIAL PARKWAY, LAKELAND, FL 33500
PHONE: (813) / 646-8591

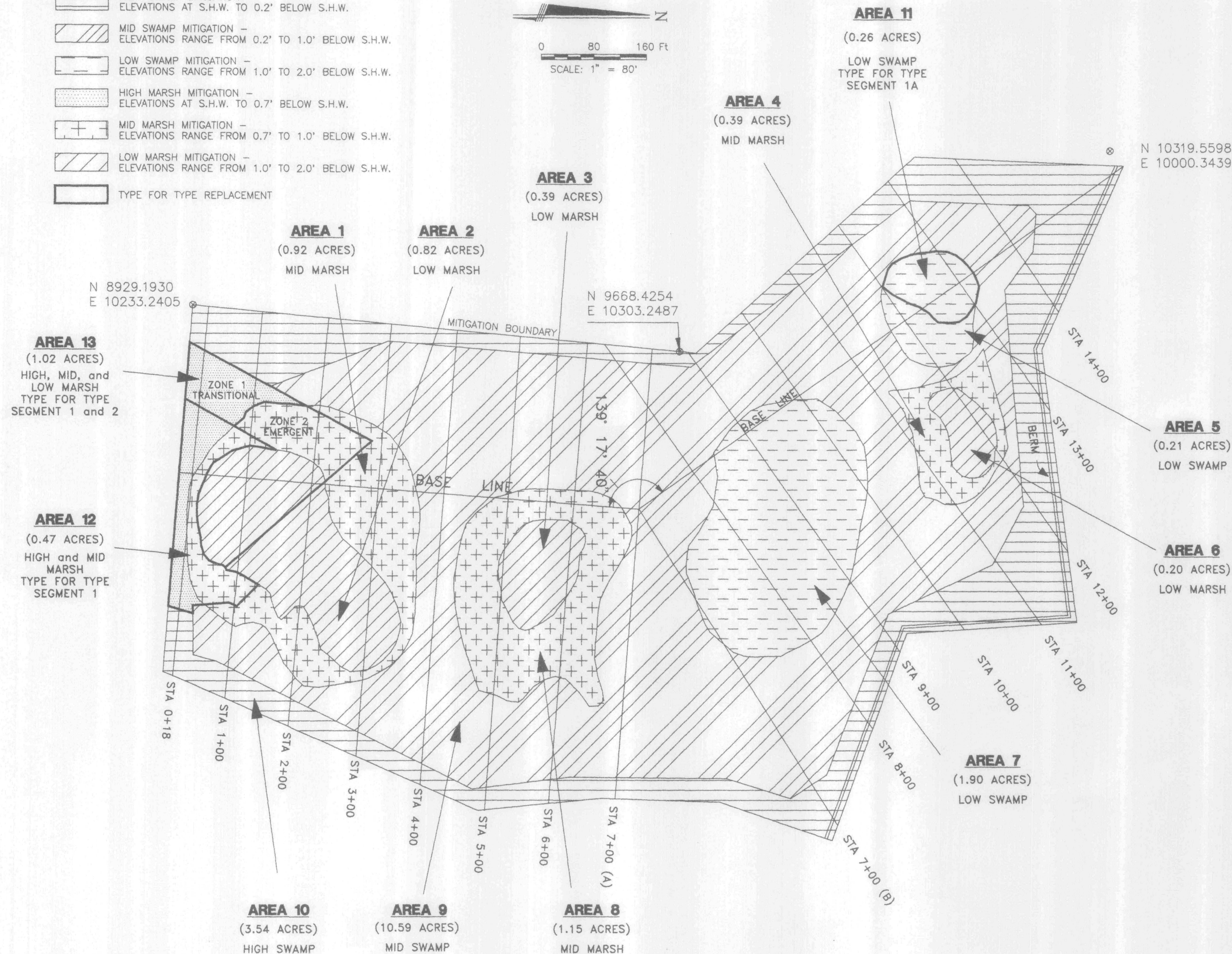
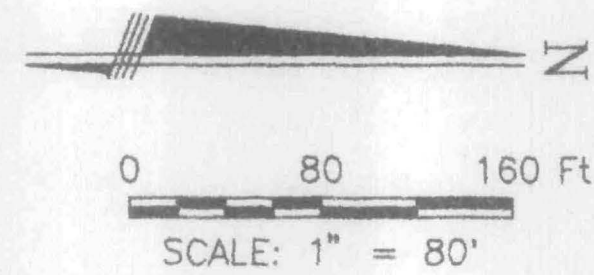
SCALE	1" = 80'
DATE	7/14/93
DRAWN BY	L.B.D.
CHECKED BY	W.R.R.
DESIGNED BY	J.R.E.
PROJECT NO.	938639

PREPARED FOR
**SEMINOLE
ELECTRIC
COOPERATIVE**

POST CONSTRUCTION TOPOGRAPHY

LEGEND:

- HIGH SWAMP MITIGATION - ELEVATIONS AT S.H.W. TO 0.2' BELOW S.H.W.
- MID SWAMP MITIGATION - ELEVATIONS RANGE FROM 0.2' TO 1.0' BELOW S.H.W.
- LOW SWAMP MITIGATION - ELEVATIONS RANGE FROM 1.0' TO 2.0' BELOW S.H.W.
- HIGH MARSH MITIGATION - ELEVATIONS AT S.H.W. TO 0.7' BELOW S.H.W.
- MID MARSH MITIGATION - ELEVATIONS RANGE FROM 0.7' TO 1.0' BELOW S.H.W.
- LOW MARSH MITIGATION - ELEVATIONS RANGE FROM 1.0' TO 2.0' BELOW S.H.W.
- TYPE FOR TYPE REPLACEMENT



VEGETATION AREAS & QUANTITIES

AREA 1 (Mid Marsh)		
800	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
1000	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
389	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
900	Madroenise (<i>Panicum hemispermum</i>)	2.4'
200	Seaweed (<i>Polypodium punctatum</i>)	2.4'
200	Beakrush (<i>Rhynchospora app.</i>)	2.4'
1000	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
429	Swamp Lily (<i>Croton americanus</i>)	2.4'
135	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
AREA 2 (Low Marsh)		
400	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
472	Madroenise (<i>Panicum hemispermum</i>)	2.4'
400	Seaweed (<i>Polypodium punctatum</i>)	2.4'
444	Beakrush (<i>Rhynchospora app.</i>)	2.4'
400	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
1444	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
110	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
444	Fire Plug (<i>Thalia geniculata</i>)	2.4'
210	Spatterdock (<i>Najas laevis</i>)	12.33'
36	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
36	Beakrush (<i>Rhynchospora arifolia</i>)	12.33'
AREA 3 (Mid Marsh)		
240	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
240	Madroenise (<i>Panicum hemispermum</i>)	2.4'
240	Seaweed (<i>Polypodium punctatum</i>)	2.4'
123	Beakrush (<i>Rhynchospora app.</i>)	2.4'
240	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
623	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
123	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
123	Fire Plug (<i>Thalia geniculata</i>)	2.4'
73	Spatterdock (<i>Najas laevis</i>)	12.33'
18	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
18	Beakrush (<i>Rhynchospora arifolia</i>)	12.33'
AREA 4 (Low Marsh)		
194	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Madroenise (<i>Panicum hemispermum</i>)	2.4'
194	Seaweed (<i>Polypodium punctatum</i>)	2.4'
194	Beakrush (<i>Rhynchospora app.</i>)	2.4'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Swamp Lily (<i>Croton americanus</i>)	2.4'
194	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
AREA 5 (Mid Marsh)		
194	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Madroenise (<i>Panicum hemispermum</i>)	2.4'
194	Seaweed (<i>Polypodium punctatum</i>)	2.4'
194	Beakrush (<i>Rhynchospora app.</i>)	2.4'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Swamp Lily (<i>Croton americanus</i>)	2.4'
194	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
AREA 6 (Low Marsh)		
194	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Madroenise (<i>Panicum hemispermum</i>)	2.4'
194	Seaweed (<i>Polypodium punctatum</i>)	2.4'
194	Beakrush (<i>Rhynchospora app.</i>)	2.4'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Swamp Lily (<i>Croton americanus</i>)	2.4'
194	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
AREA 7 (Low Marsh)		
194	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Madroenise (<i>Panicum hemispermum</i>)	2.4'
194	Seaweed (<i>Polypodium punctatum</i>)	2.4'
194	Beakrush (<i>Rhynchospora app.</i>)	2.4'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Swamp Lily (<i>Croton americanus</i>)	2.4'
194	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
AREA 8 (Mid Marsh)		
194	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Madroenise (<i>Panicum hemispermum</i>)	2.4'
194	Seaweed (<i>Polypodium punctatum</i>)	2.4'
194	Beakrush (<i>Rhynchospora app.</i>)	2.4'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Swamp Lily (<i>Croton americanus</i>)	2.4'
194	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
AREA 9 (Mid Marsh)		
194	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Madroenise (<i>Panicum hemispermum</i>)	2.4'
194	Seaweed (<i>Polypodium punctatum</i>)	2.4'
194	Beakrush (<i>Rhynchospora app.</i>)	2.4'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Swamp Lily (<i>Croton americanus</i>)	2.4'
194	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
AREA 10 (High Marsh)		
194	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Madroenise (<i>Panicum hemispermum</i>)	2.4'
194	Seaweed (<i>Polypodium punctatum</i>)	2.4'
194	Beakrush (<i>Rhynchospora app.</i>)	2.4'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Swamp Lily (<i>Croton americanus</i>)	2.4'
194	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
AREA 11 (Low Marsh)		
194	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Madroenise (<i>Panicum hemispermum</i>)	2.4'
194	Seaweed (<i>Polypodium punctatum</i>)	2.4'
194	Beakrush (<i>Rhynchospora app.</i>)	2.4'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Swamp Lily (<i>Croton americanus</i>)	2.4'
194	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
AREA 12 (High Marsh)		
194	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Madroenise (<i>Panicum hemispermum</i>)	2.4'
194	Seaweed (<i>Polypodium punctatum</i>)	2.4'
194	Beakrush (<i>Rhynchospora app.</i>)	2.4'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Swamp Lily (<i>Croton americanus</i>)	2.4'
194	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'
AREA 13 (High Marsh)		
194	Pickersweed (<i>Potamogeton nodosus</i>)	12.18'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Madroenise (<i>Panicum hemispermum</i>)	2.4'
194	Seaweed (<i>Polypodium punctatum</i>)	2.4'
194	Beakrush (<i>Rhynchospora app.</i>)	2.4'
194	Arrowhead (<i>Sagittaria arifolia</i>)	2.4'
194	Arrowhead (<i>Sagittaria graminea</i>)	2.4'
194	Swamp Lily (<i>Croton americanus</i>)	2.4'
194	St. John's Wort (<i>Hipericum fasciculatum</i>)	12.33'

NOTE: Vegetation Zonations were field delineated and are considered approximate.

REVISED	8/17/93
REVISED	9/30/93
REVISED	
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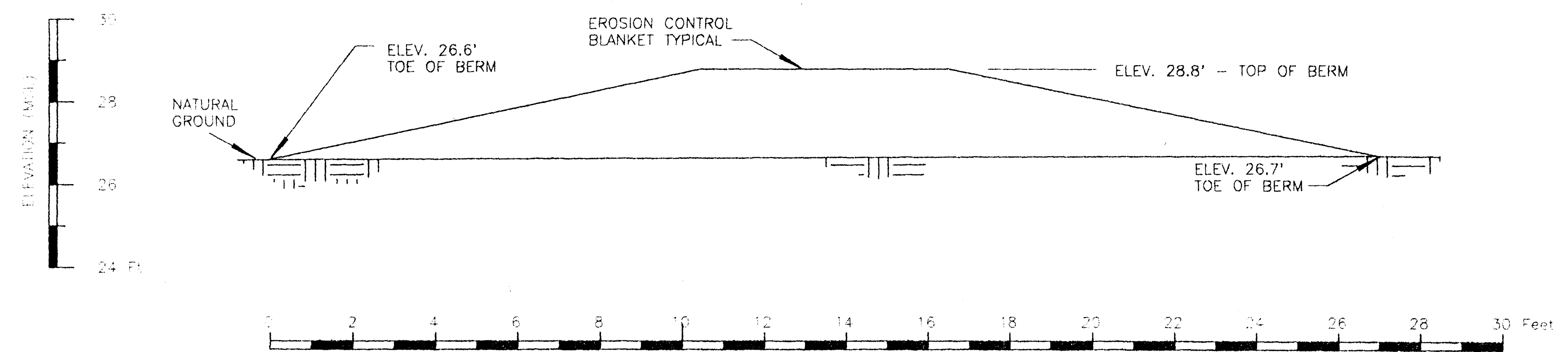
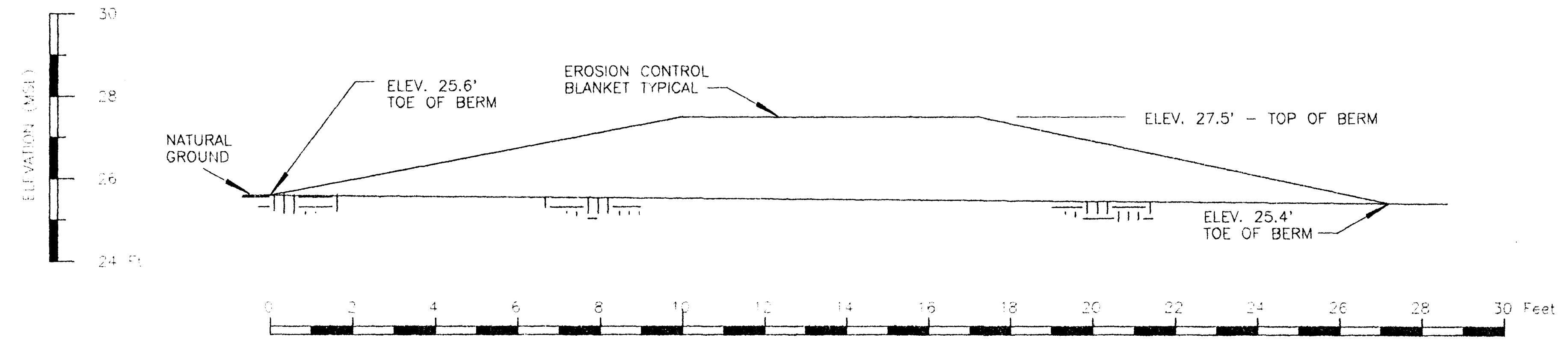
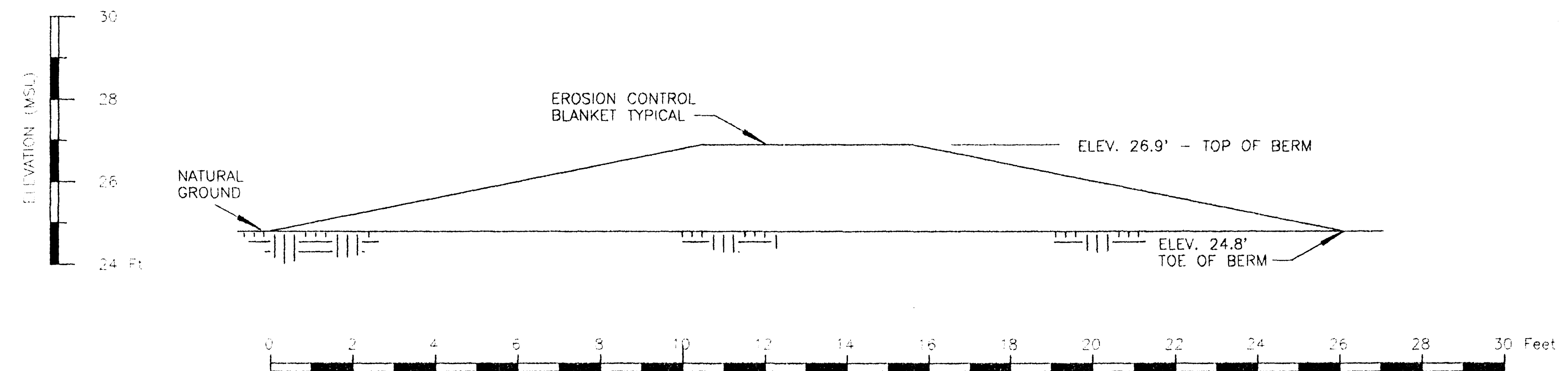
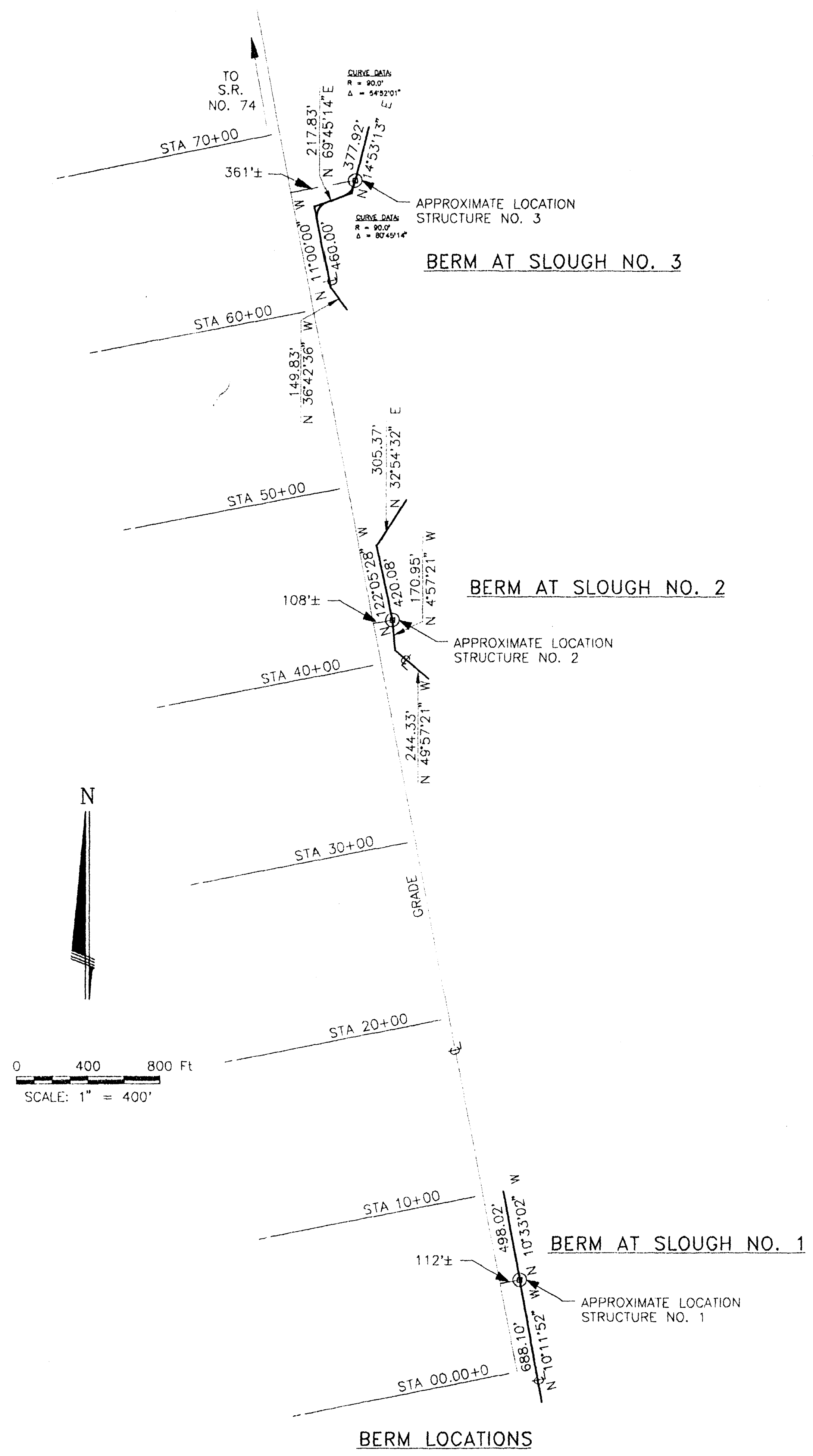
BCI
BROMWELL & CARRIER, INC.
6995 IMPERIAL PARKWAY, LAKELAND, FL 33860
PHONE: (813) / 646-8681

SCALE	1" = 80'
DATE	8/05/93
DRAWN BY	L.B.D.
CHECKED BY	W.R.R.
DESIGNED BY	J.R.E.
PROJECT NO.	938639

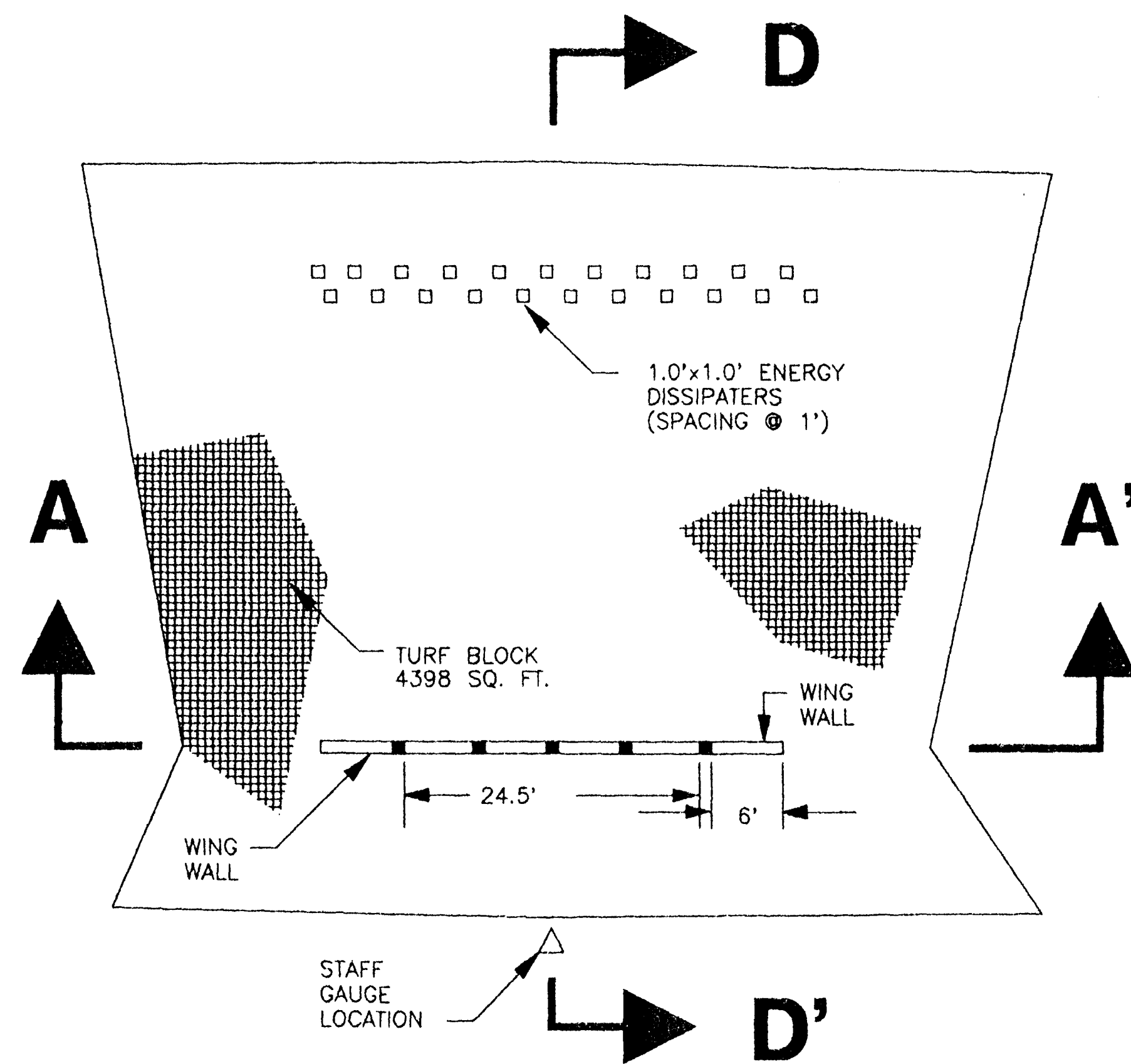
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COOPERATIVE

POST CONSTRUCTION
VEGETATION
ZONATION

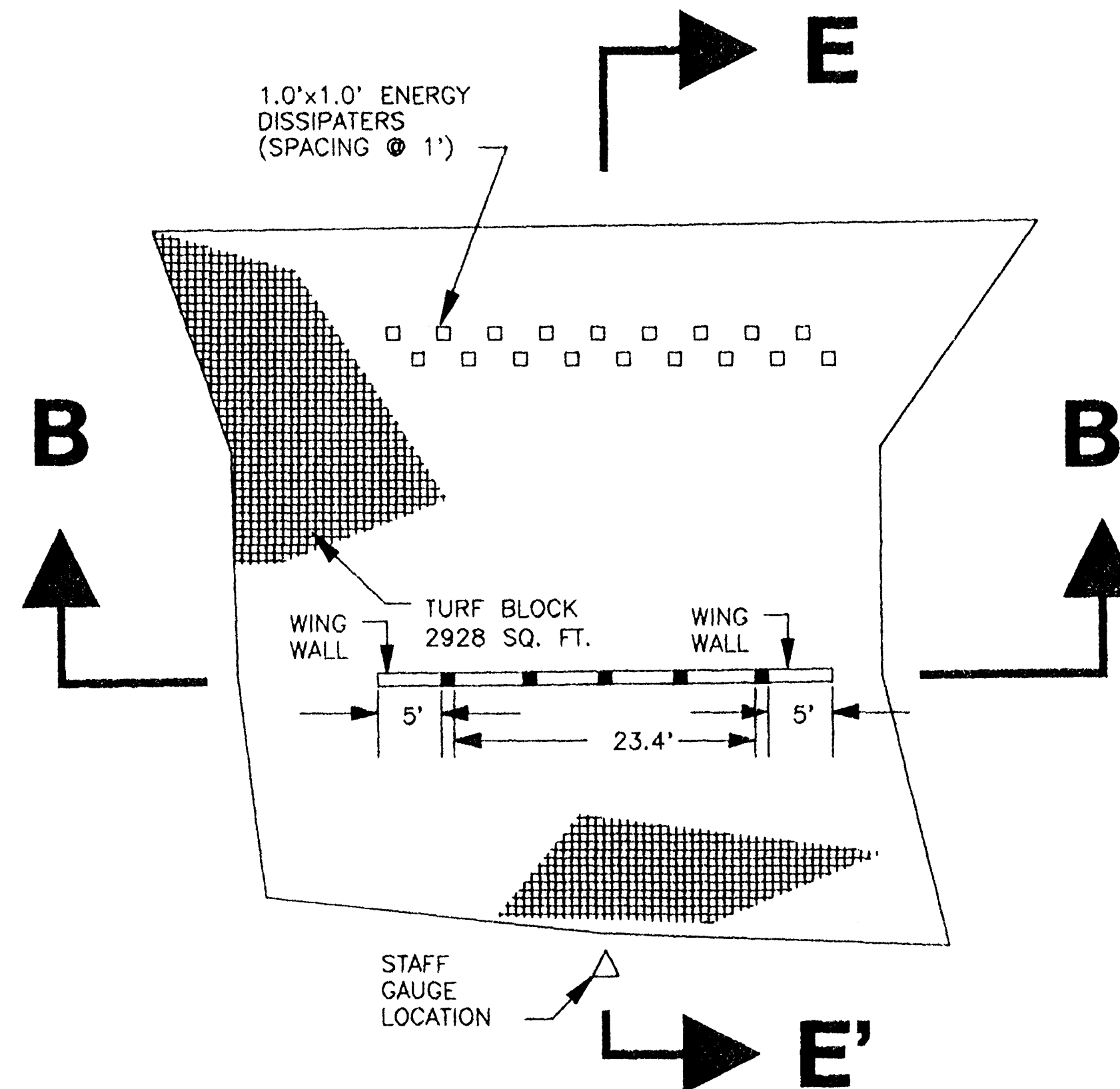
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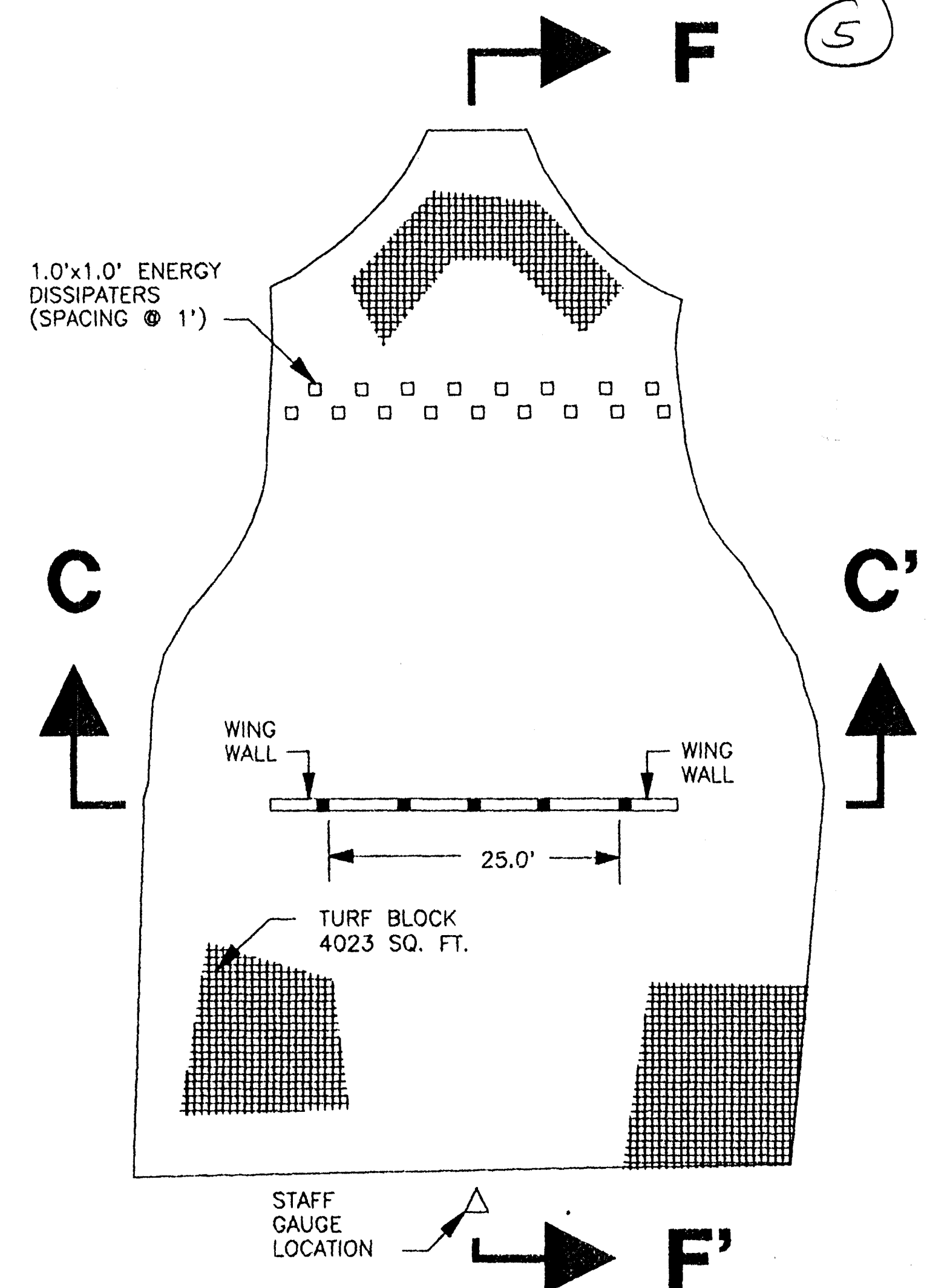
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J.E.S. MURDER



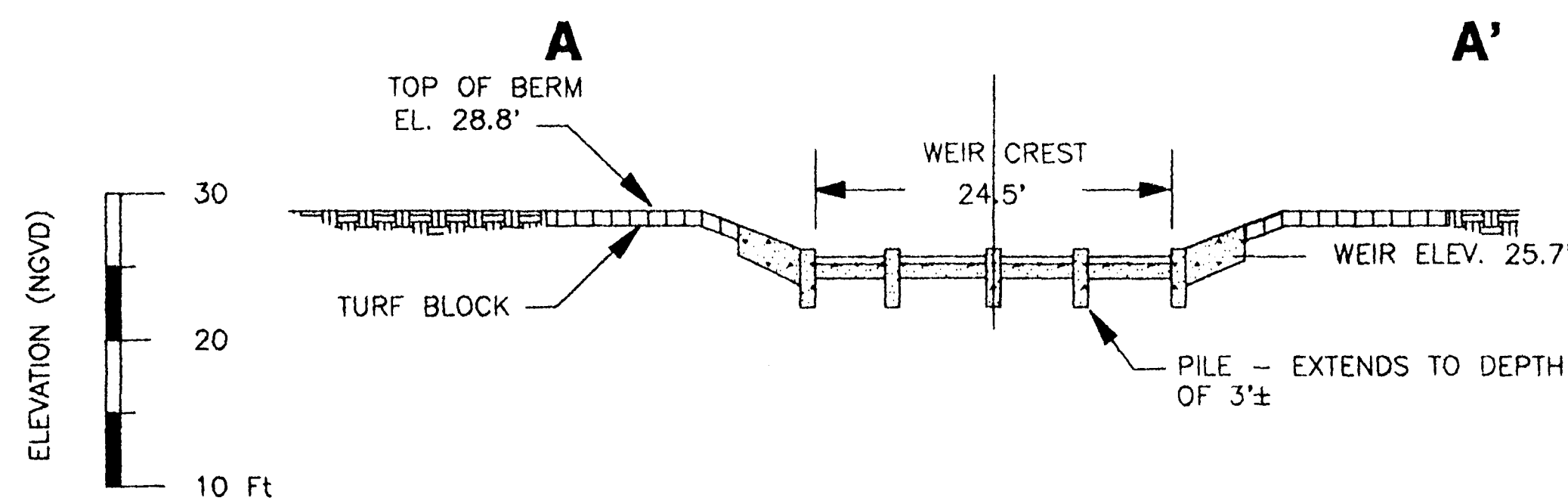
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PLAN VIEW
SCALE: 1" = 10'



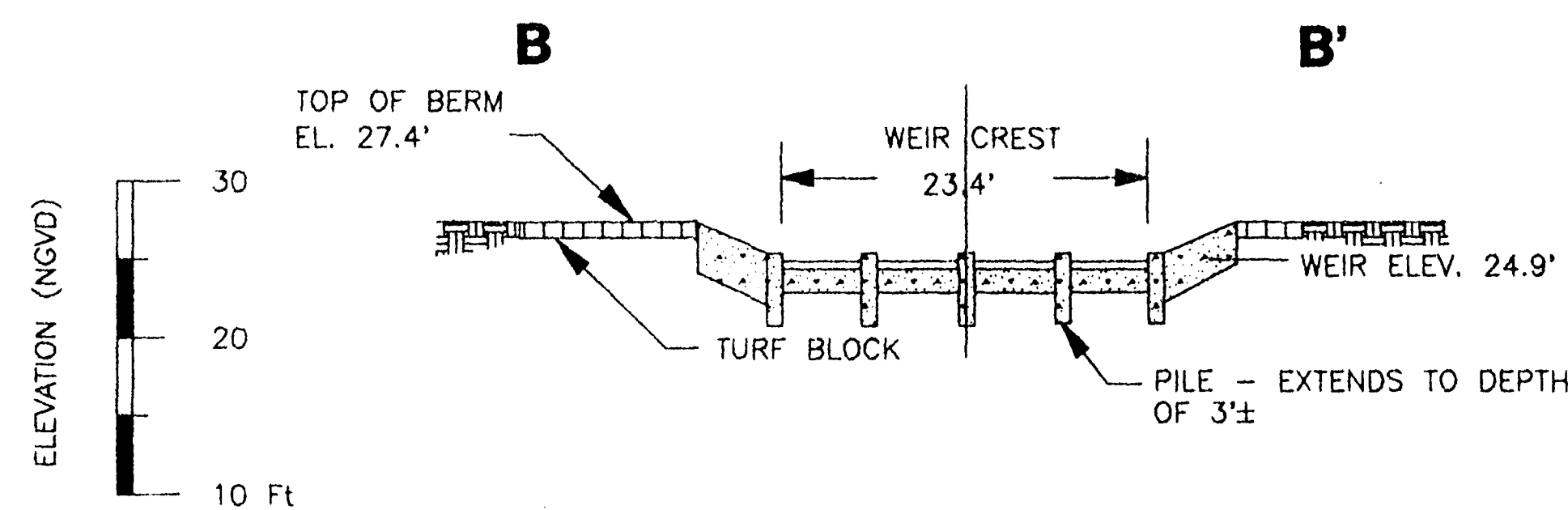
STRUCTURE NO. 2
PLAN VIEW
SCALE: 1" = 10'



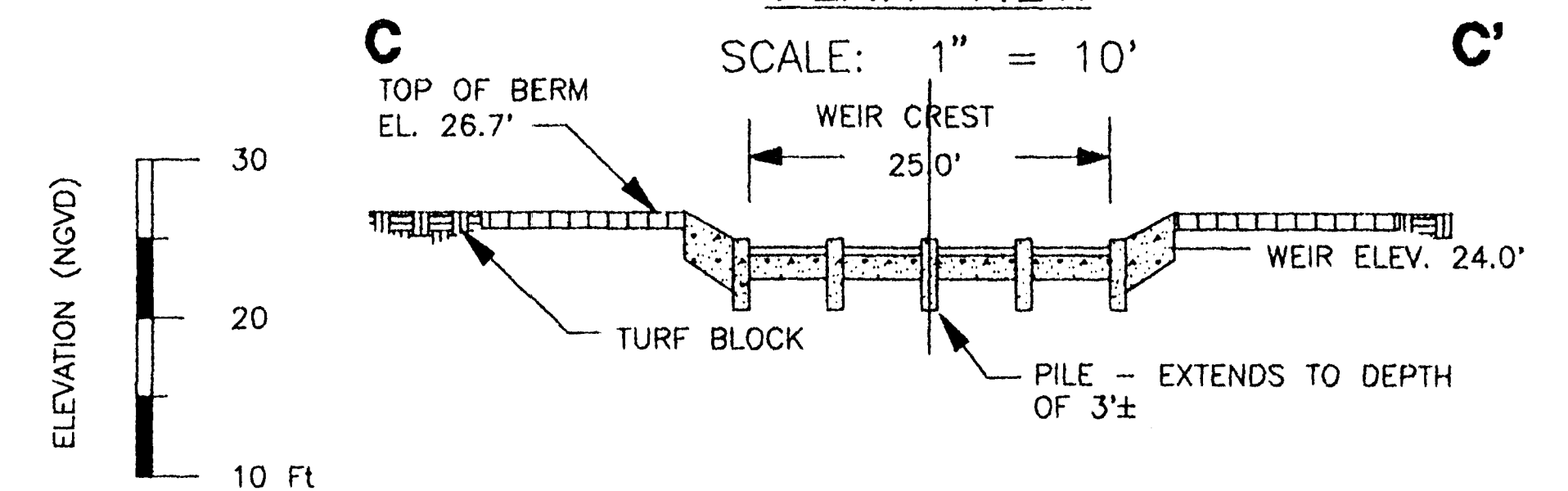
STRUCTURE NO. 3
PLAN VIEW
SCALE: 1" = 10'



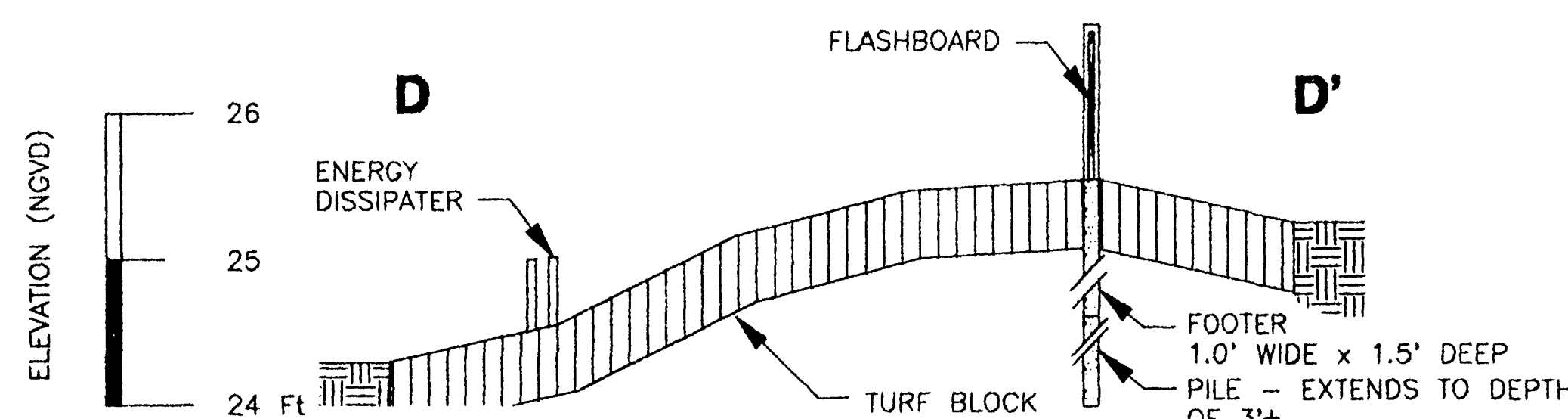
WEIR DETAIL - STRUCTURE NO. 1
SECTION A-A'
SCALE: 1" = 10' H & V



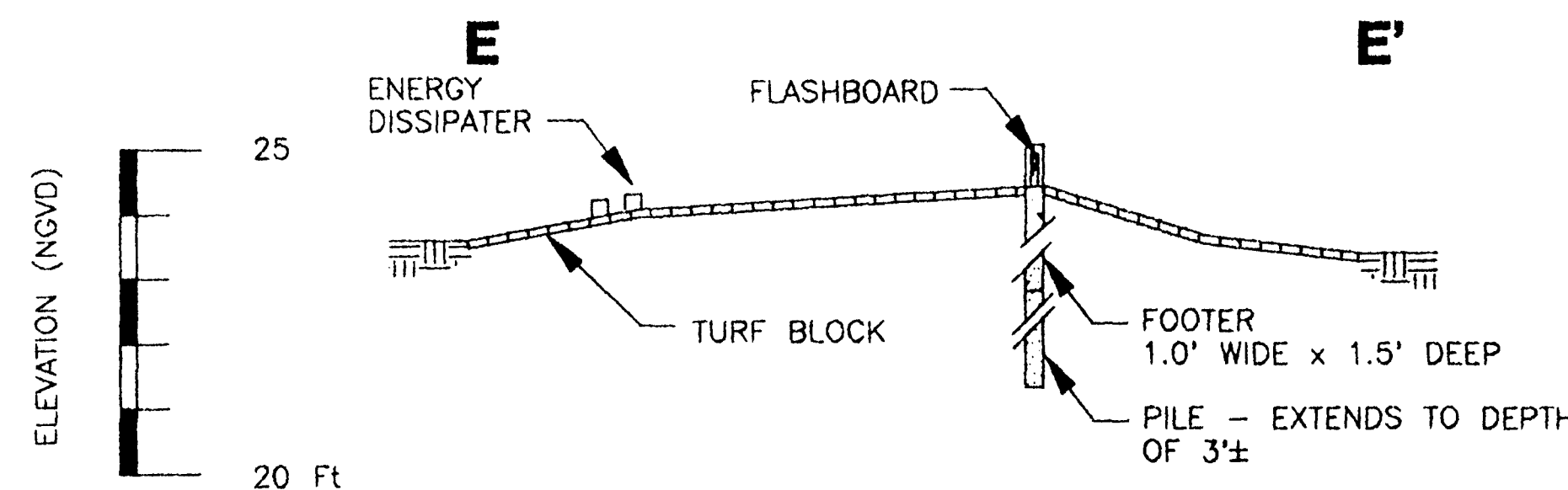
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SECTION B-B'
SCALE: 1" = 10' H & V



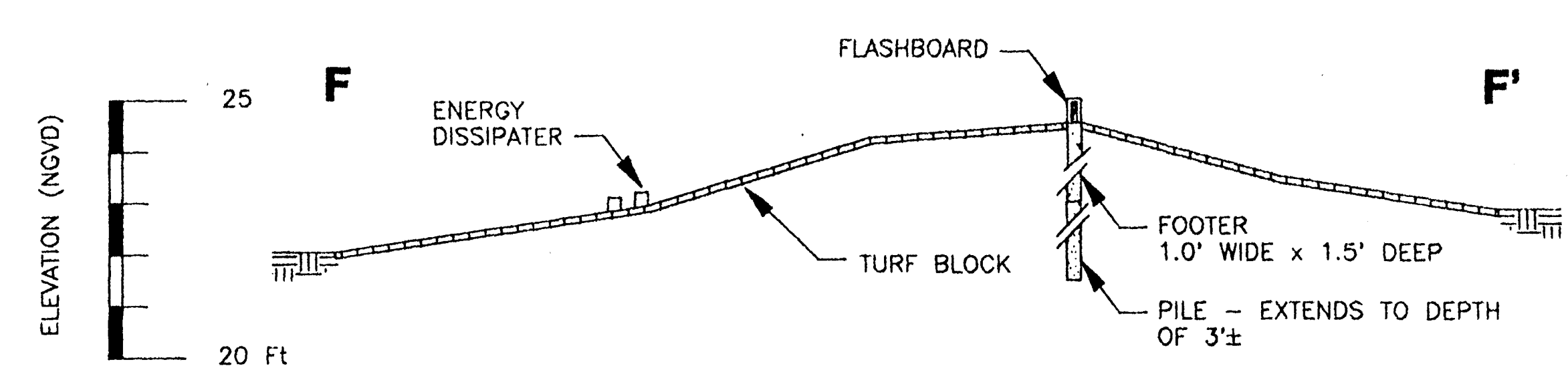
WEIR DETAIL - STRUCTURE NO. 3
SECTION C-C'
SCALE: 1" = 10' H & V



PROFILE - STRUCTURE NO. 1
SECTION D-D'
SCALE: 1" = 10' HORIZONTAL



PROFILE - STRUCTURE NO. 2
SECTION E-E'
SCALE: 1" = 10' HORIZONTAL



PROFILE - STRUCTURE NO. 3
SECTION F-F'
SCALE: 1" = 10' HORIZONTAL

NOTE:
ELEVATIONS BASED ON 1929 NGVD.

REVISED	9/29/93
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REVISED	
REVISED	
REVISED	
REVISED	

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BROMWELL & CARRIER, INC.
6025 IMPERIAL PARKWAY, LAKELAND, FL 33800
PHONE: (813) / 646-9691

SCALE	AS SHOWN
DATE	8/03/93
DRAWN BY	L.B.D.
CHECKED BY	W.R.R.
DESIGNED BY	J.R.E.
PROJECT NO.	938639

PREPARED FOR
**SEMINOLE
ELECTRIC
COOPERATIVE**

**WATER CONTROL
STRUCTURES**

SHEET NO. 5 OF 5:

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