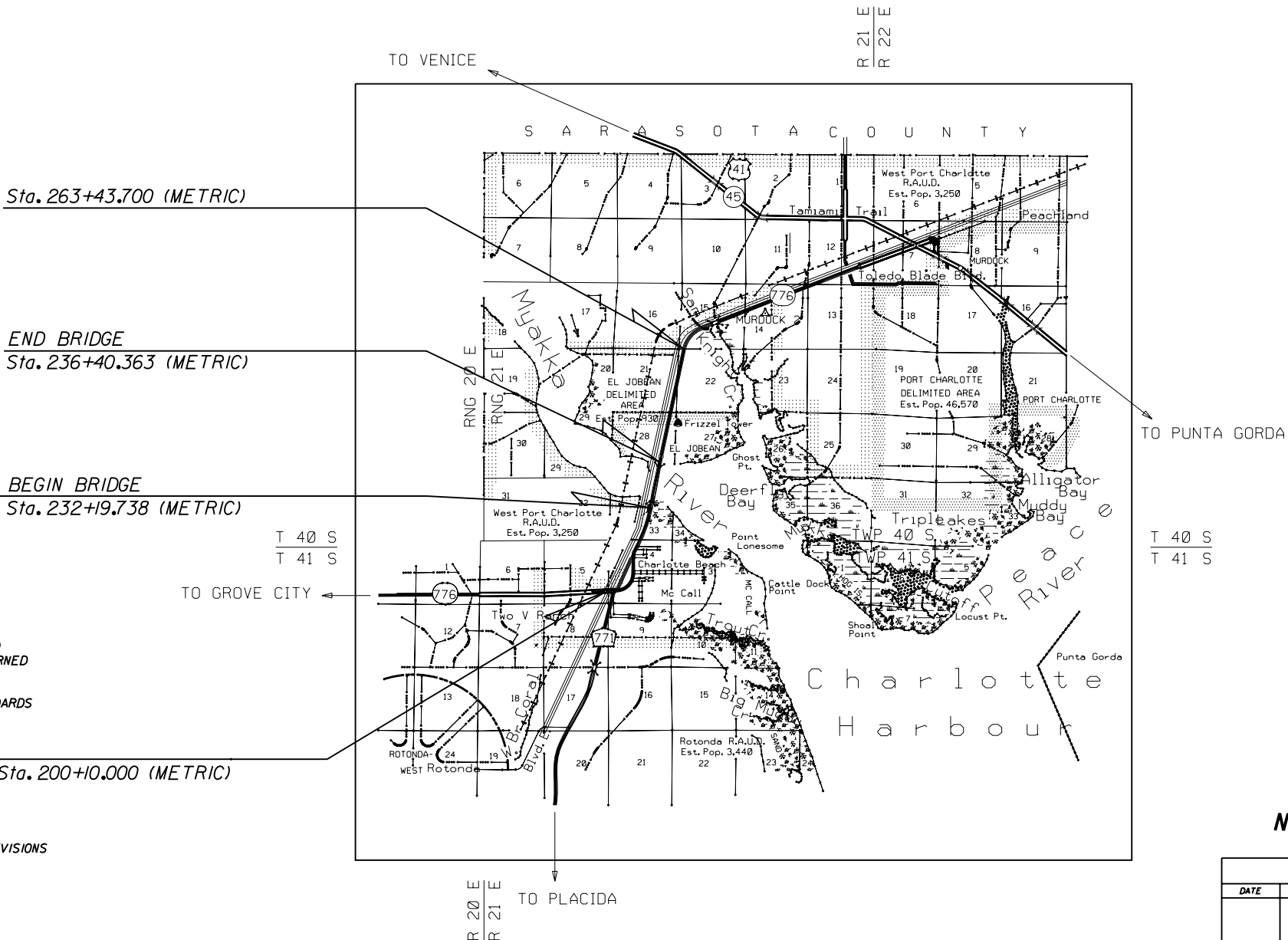
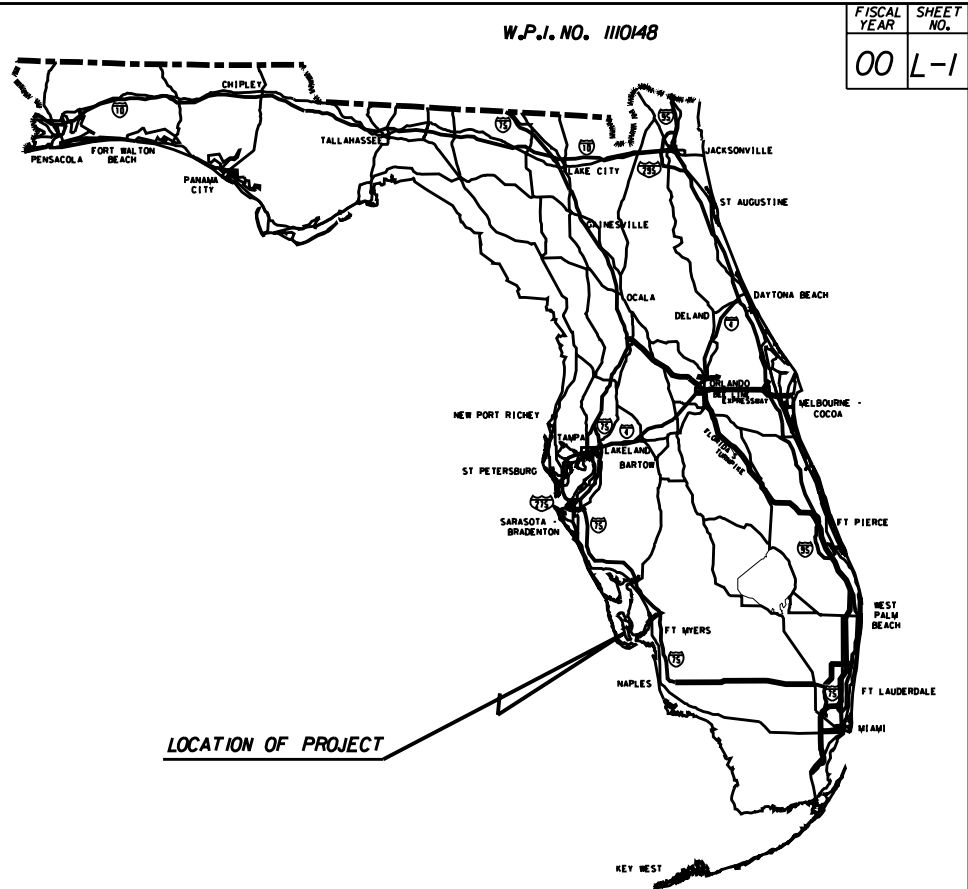


STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
PLANS OF PROPOSED
STATE HIGHWAY
FINANCIAL PROJECT ID 193794-52-01
STATE PROJECT NO. 01050-3521
CHARLOTTE COUNTY
STATE ROAD NO. 776



THESE PLANS HAVE BEEN PREPARED
IN ACCORDANCE WITH AND ARE GOVERNED
BY THE STATE OF FLORIDA,
DEPARTMENT OF TRANSPORTATION,
ROADWAY AND TRAFFIC DESIGN STANDARDS
(BOOKLET DATED JANUARY , 1998).

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

GOVERNING SPECIFICATIONS: STATE OF FLORIDA,
DEPARTMENT OF TRANSPORTATION, STANDARD
SPECIFICATIONS, DATED 1999, SUPPLEMENTS AND
SPECIAL PROVISIONS THERETO IF NOTED IN THE
CONTRACT SPECIFICATIONS FOR THIS PROJECT.

NOTE: THIS IS A METRIC UNIT PROJECT

REVISIONS		
DATE	BY	DESCRIPTION

01050-3521

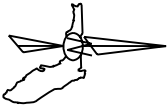
FINANCIAL PROJECT ID.	FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
193794-1-52-01	3	FLA.	01050-3521		B-10A

LOCATION

Township - 40S
Range - 21E
Section 33

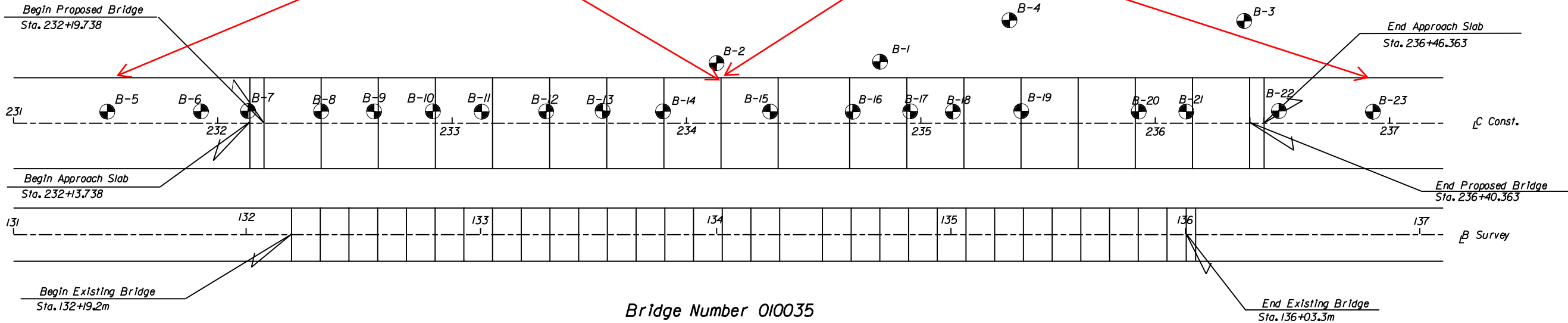
LOCATION

Township - 40S
Range - 21E
Section 28



Latitude: 26.95472 North
Longitude: -82.21398 West

Latitude: 26.96196 North
Longitude: -82.21204 West



Bridge Number 010035

WATER :

Resistivity : 37 ohms-cm, Chlorides : 14000 ppm, Sulfates : 700 ppm,
pH : 7.8.

ENVIRONMENTAL CLASSIFICATION

Substructure : Concrete, Extremely Aggressive
Steel, Extremely Aggressive

Superstructure : Extremely Aggressive

Relation of RQD and Insitu Rock Quality

RQD (%)	Rock Quality
90-100	Excellent
75-90	Good
50-75	Fair
25-50	Poor
0-25	Very Poor

Granular Materials-
Relative Density

Very Loose
Loose
Medium or Compact
Dense
Very Dense

SPT
(+Blows/300 mm)

Less than 4
4 - 10
10 - 30
30 - 50
Greater than 50

Silts and Clays-
Consistency

Very Soft
Soft
Firm
Stiff
Very Stiff
Hard

SPT
(Blows/300 mm)

Less than 2
2 - 4
4 - 8
8 - 15
15 - 30
Greater than 30

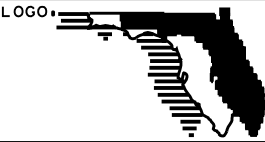


REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NAMES	DATES
DRAWN BY DML	4/97
CHECKED BY BWJ	4/97
DESIGNED BY	
CHECKED BY	
APPROVED BY T.N. Puckett	

ENGINEER OF RECORD
MATERIALS OFFICE
DISTRICT 1
801 N. Broadway
Bartow, Florida 33830-1249



SEAL



FLORIDA DEPARTMENT OF TRANSPORTATION
MATERIALS OFFICE

ROAD NO.	COUNTY	PROJECT NO.
776	Charlotte	01050-3521

SHEET TITLE BRIDGE BORING PLAN	DRAWING NO. 1
PROJECT NAME SR 776, Myakka River Bridge	INDEX NO.

BORING NO. B-5
Sta. 131+40
26.2 m LT
Elev. -1.52 m
05/08/96

BORING NO. B-6
Sta. 131+80
26.2 m LT
Elev. -1.50 m
05/08/96

BORING NO. B-7
Sta. 132+08
26.2 m LT
Elev. -1.98 m
05/08/96

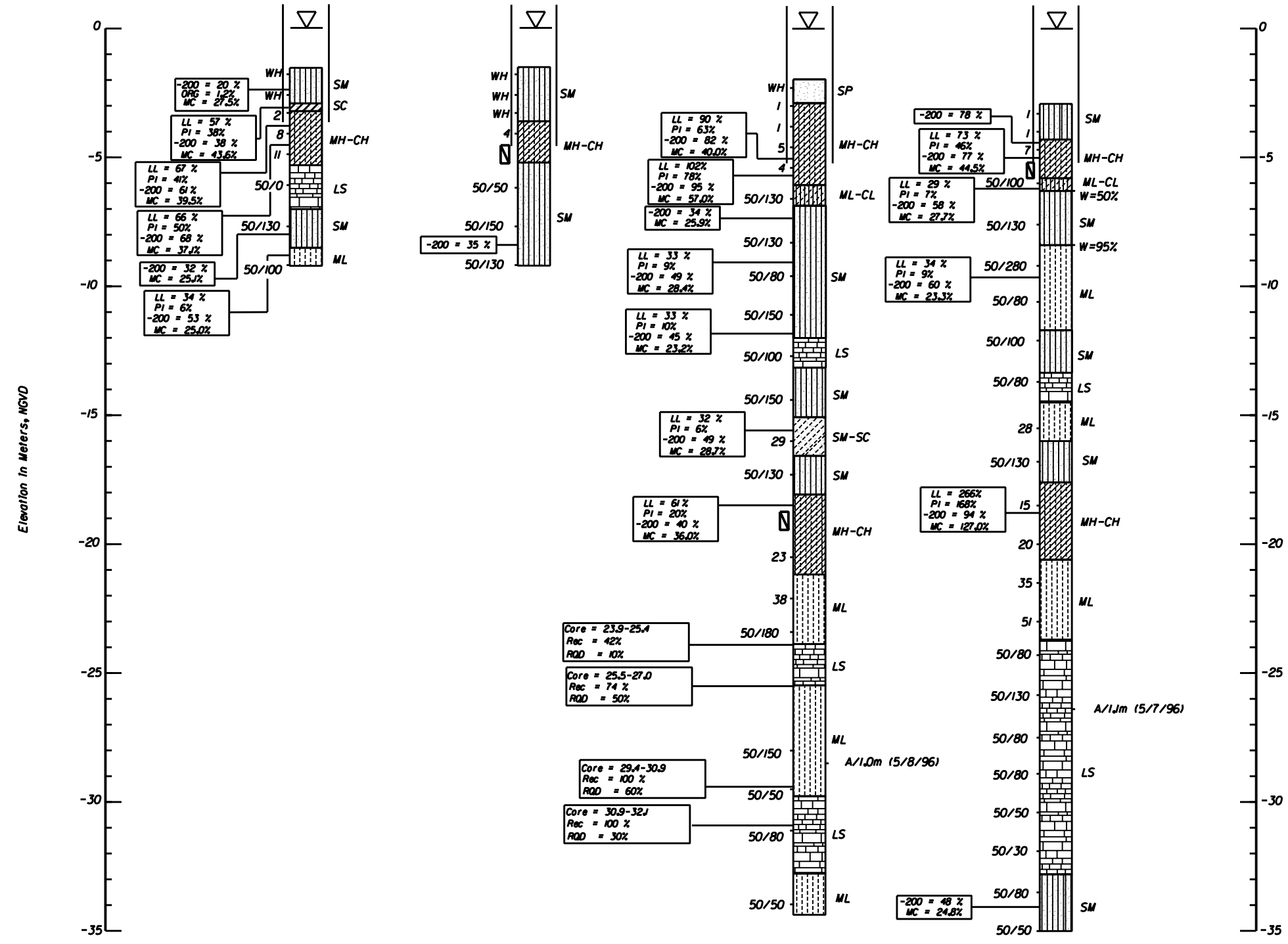
BORING NO. B-8
Sta. 132+32
26.2 m LT
Elev. -2.92 m
05/07/96

LEGEND :

- SP, Poorly graded sands and gravelly sands, little or no fines.
- SM, Silty sands, sand-silt mixtures.
- SP-SM, Poorly graded sands and gravelly sands, to silty sands, sand-silt mixtures.
- SC, Clayey sands, sand-clay mixtures.
- CL, Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- SM-SC, Silty sands, sand-silt mixtures to clayey sands, sand-clay mixtures.
- ML, Inorganic silts, very fine sands, rock flour silty or clayey, fine sands.
- ML-CL, Inorganic silts, very fine sands, rock flour to inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- MH-CH, Inorganic silts micaceous or diatomaceous fine sands or silts, elastic silts.
- LS, Limestone

NOTES :

Numbers to the left of borings indicate SPT values for 300 mm penetration. (Unless otherwise noted.)
50/90 = Number of blows for 90 mm of penetration.
Wood pilings may be encountered in the vicinity of proposed structure other than that noted in Boring Number 2.
W = 100% loss of circulating water (unless otherwise noted)
WH = Weight of hammer
A/--m = Artesian water flow encountered, measured head, meters NGVD.
* = B-9, unable to establish Artesian flow due to circulation at -6.8 m, NGVD.
▽ = Water Table
N = Shelby Tube
□ = Casing used.
Type Rig = Diedrich 50, DR-6
Hammer Type = Diedrich Automatic, 63.5 kg Manual
B- = F.D.O.T. Boring Location (B-1-B-4), Williams Earth Sciences (B-5-B-23)

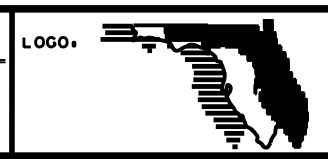


REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NAMES	DATES
DML	4/97
BNJ	4/97
T.N. Puckett	

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DISTRICT 1
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Bartow, Florida 33830-1249



SEAL

FLORIDA DEPARTMENT OF TRANSPORTATION MATERIALS OFFICE		
ROAD NO.	COUNTY	PROJECT NO.
776	Charlotte	01050-3521

SHEET TITLE: REPORT OF CORE BORINGS		DRAWING NO. 2
PROJECT NAME: SR 776, Myakka River Bridge		INDEX NO.

• BORING NO. B-9
Sta. 132+55
26.2 m LT
Elev. -2.84 m

BORING NO. B-10
Sta. 132+80
26.2 m LT
Elev. -2.74 m

BORING NO. B-11
Sta. 133+05
26.2 m LT
Elev. -3.10 m

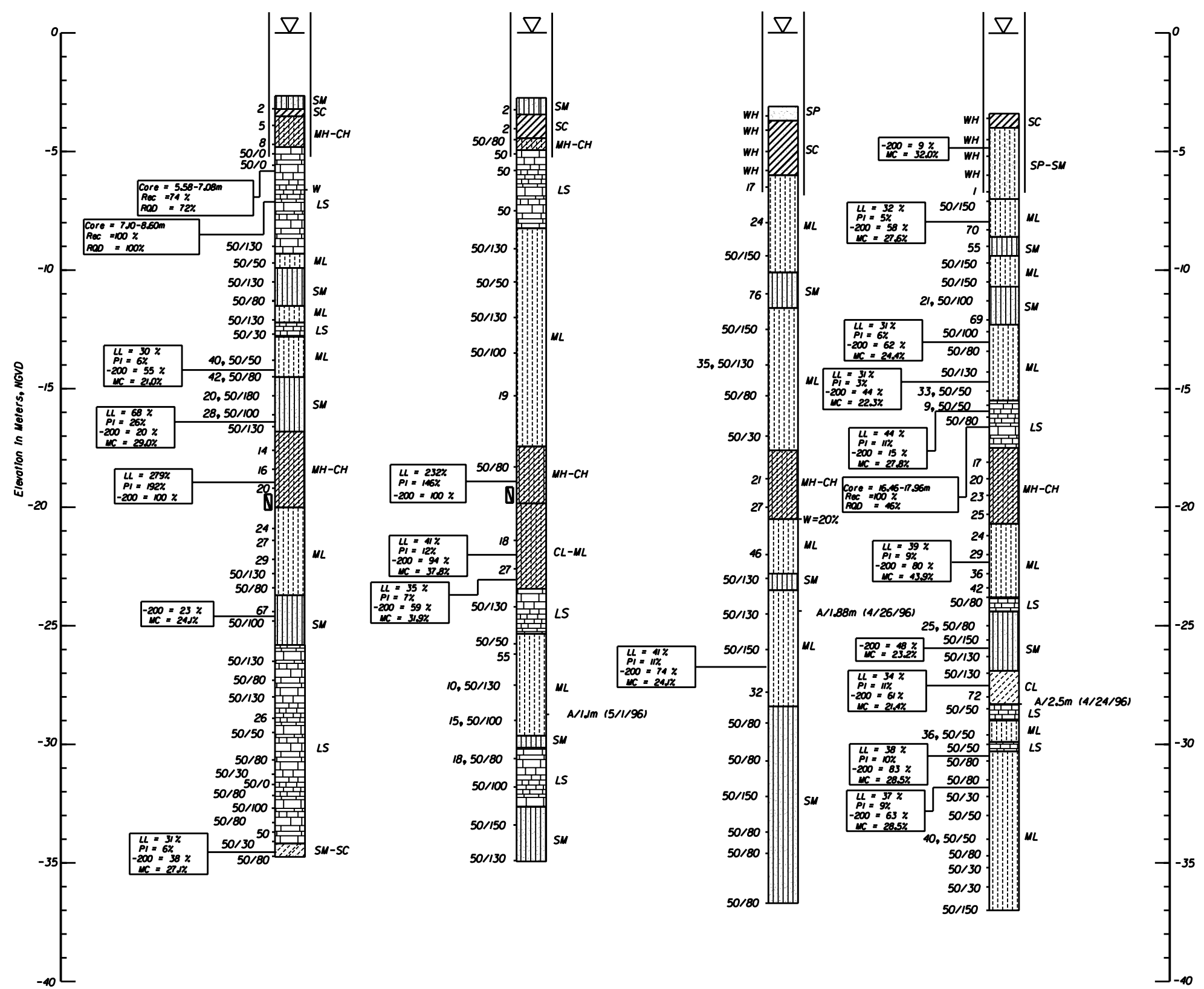
BORING NO. B-12
Sta. 133+28
26.2 m LT
Elev. -3.40 m

05/02/96

05/01/96

04/26/96

04/24/96



LEGEND :

- [Pattern] = SP, Poorly graded sands and gravelly sands, little or no fines.
- [Pattern] = SM, Silty sands, sand-silt mixtures.
- [Pattern] = SP-SM, Poorly graded sands and gravelly sands, to silty sands, sand-silt mixtures.
- [Pattern] = SC, Clayey sands, sand-clay mixtures.
- [Pattern] = CL, Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- [Pattern] = SM-SC, Silty sands, sand-silt mixtures to clayey sands, sand-clay mixtures.
- [Pattern] = ML, Inorganic silts, very fine sands, rock flour silty or clayey, fine sands.
- [Pattern] = ML-CL, Inorganic silts, very fine sands, rock flour to inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- [Pattern] = MH-CH, Inorganic silts micaceous or diatomaceous fine sands or silts, elastic silts.
- [Pattern] = LS, Limestone

NOTES :

Numbers to the left of borings indicate SPT values for 300 mm penetration. (Unless otherwise noted.)
50/90 = Number of blows for 90 mm of penetration.
Wood pilings may be encountered in the vicinity of proposed structure other than that noted in Boring Number 2.
W = 100% loss of circulating water (unless otherwise noted)
WH = Weight of hammer
A/-m = Artesian water flow encountered, measured head, meters NGVD.
* = B-9, unable to establish Artesian flow due to circulation at -6.8 m, NGVD.
▽ = Water Table
[Symbol] = Shelby Tube
[Symbol] = Casing used.
Type Rig = Diedrich 50, DR-6
Hammer Type = Diedrich Automatic, 63.5 kg Manual
B- = F.D.O.T. Boring Location (B-1-B-4), Williams Earth Sciences (B-5-B-23)

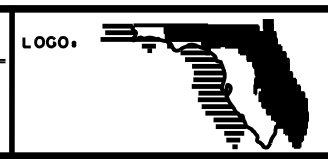
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REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NAMES	DATES
DRAWN BY DML	4/97
CHECKED BY EMJ	4/97
DESIGNED BY	
CHECKED BY	
APPROVED BY T.N. Puckett	

ENGINEER OF RECORD.
MATERIALS OFFICE
DISTRICT 1
801 N. Broadway
Bartow, Florida 33830-1249



SEAL

FLORIDA DEPARTMENT OF TRANSPORTATION MATERIALS OFFICE		
ROAD NO.	COUNTY	PROJECT NO.
776	Charlotte	01050-3521

SHEET TITLE: REPORT OF CORE BORINGS	DRAWING NO. 3
PROJECT NAME: SR 776, Myakka River Bridge	INDEX NO.

BORING NO. B-13
Sta. 133+52
26.2 m LT
Elev. -3.40 m
04/23/96

BORING NO. B-14
Sta. 133+78
26.2 m LT
Elev. -3.10 m
04/22/96

BORING NO. B-2
Sta. 134+00
36.6 m LT
Elev. -2.90 m
05/04/95

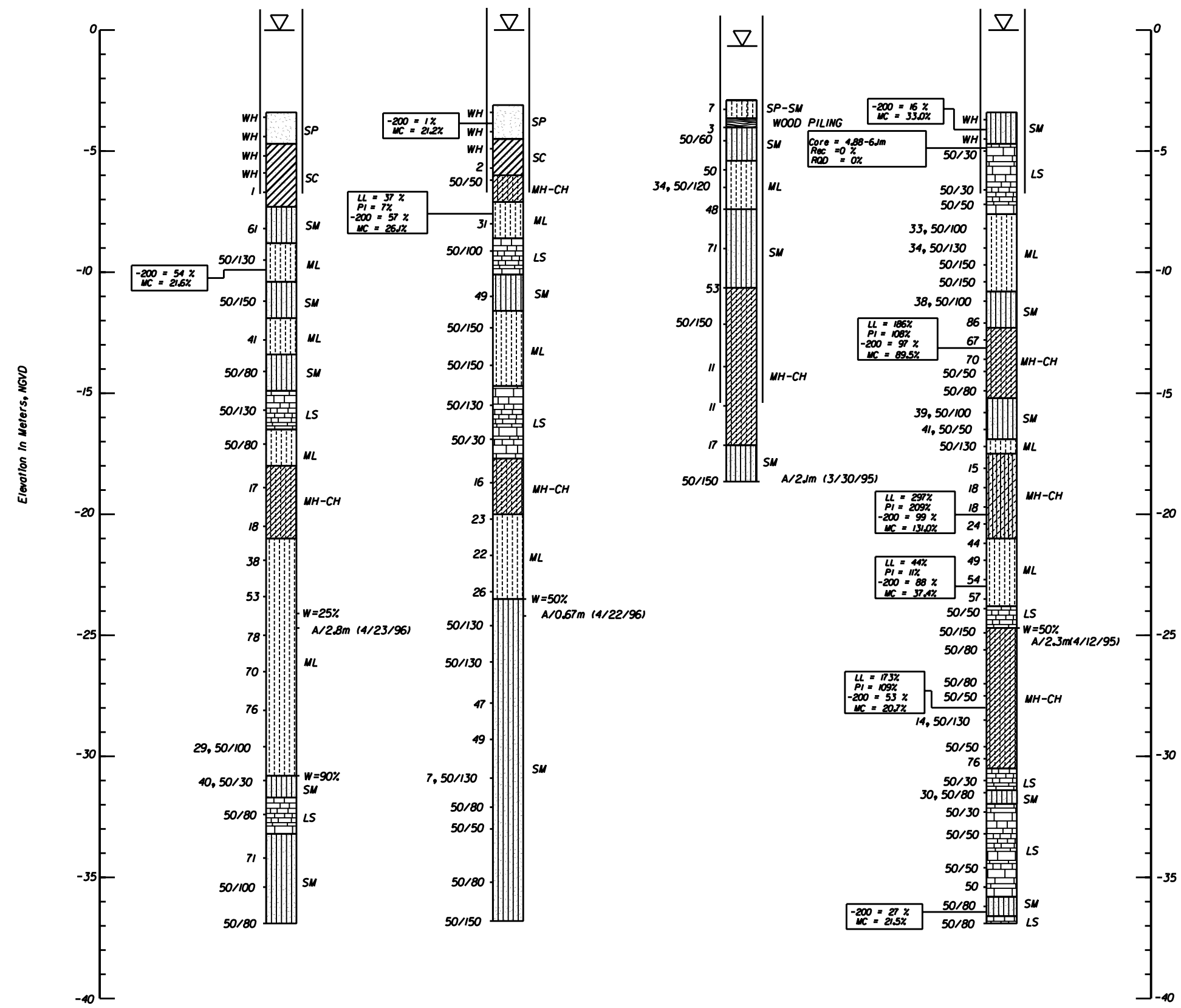
BORING NO. B-15
Sta. 134+23
26.2 m LT
Elev. -3.40 m
04/12/96

LEGEND :

- [Symbol] = SP, Poorly graded sands and gravelly sands, little or no fines.
- [Symbol] = SM, Silty sands, sand-silt mixtures.
- [Symbol] = SP-SM, Poorly graded sands and gravelly sands, to silty sands, sand-silt mixtures.
- [Symbol] = SC, Clayey sands, sand-clay mixtures.
- [Symbol] = CL, Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- [Symbol] = SM-SC, Silty sands, sand-silt mixtures to clayey sands, sand-clay mixtures.
- [Symbol] = ML, Inorganic silts, very fine sands, rock flour silty or clayey, fine sands.
- [Symbol] = ML-CL, Inorganic silts, very fine sands, rock flour to inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- [Symbol] = MH-CH, Inorganic silts micaceous or diatomaceous fine sands or silts, elastic silts.
- [Symbol] = LS, Limestone

NOTES :

Numbers to the left of borings indicate SPT values for 300 mm penetration. (Unless otherwise noted.)
50/90 = Number of blows for 90 mm of penetration.
Wood pilings may be encountered in the vicinity of proposed structure other than that noted in Boring Number 2.
W = 100% loss of circulating water (unless otherwise noted)
WH = Weight of hammer
A/-m = Artesian water flow encountered, measured head, meters NGVD.
* = B-9, unable to establish Artesian flow due to circulation at -6.8 m, NGVD.
▽ = Water Table
[Symbol] = Shelby Tube
[Symbol] = Casing used.
Type Rig = Dietrich 50, DR-6
Hammer Type = Dietrich Automatic, 63.5 kg Manual
B- = F.D.O.T. Boring Location (B-1-B-4), Williams Earth Sciences (B-5-B-23)

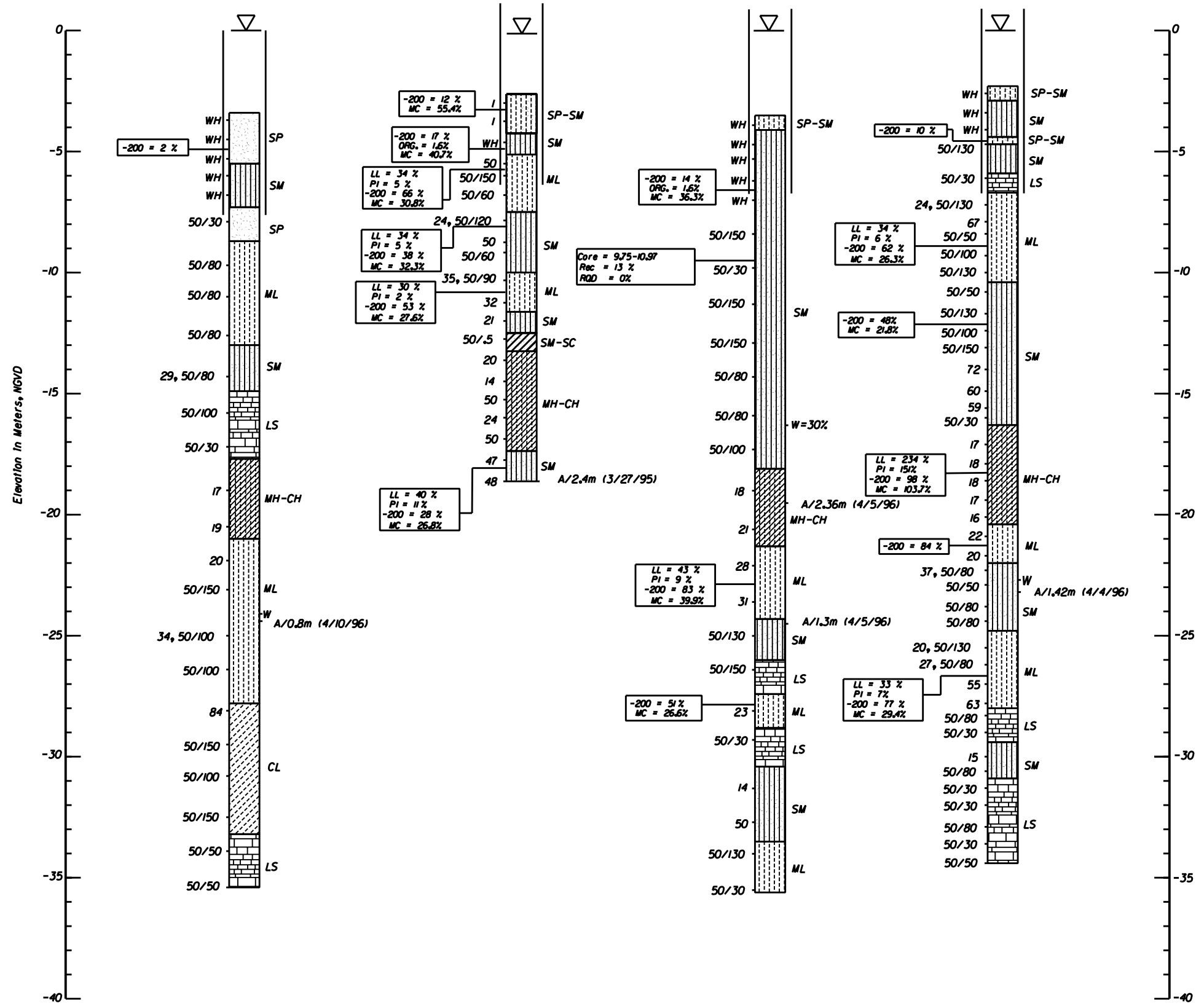


BORING NO. B-16
Sta. 134+58
26.2 m LT
Elev. -3.4 m
04/10/95

BORING NO. B-1
Sta. 134+70
36.6 m LT
Elev. -2.6 m
03/30/95

BORING NO. B-17
Sta. 134+82
26.2 m LT
Elev. -3.5 m
04/05/96

BORING NO. B-18
Sta. 135+08
26.2 m LT
Elev. -2.3 m
04/04/96



LEGEND :

- [Pattern] = SP, Poorly graded sands and gravelly sands, little or no fines.
- [Pattern] = SM, Silty sands, sand-silt mixtures.
- [Pattern] = SP-SM, Poorly graded sands and gravelly sands, to silty sands, sand-silt mixtures.
- [Pattern] = SC, Clayey sands, sand-clay mixtures.
- [Pattern] = CL, Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- [Pattern] = SM-SC, Silty sands, sand-silt mixtures to clayey sands, sand-clay mixtures.
- [Pattern] = ML, Inorganic silts, very fine sands, rock flour silty or clayey, fine sands.
- [Pattern] = ML-CL, Inorganic silts, very fine sands, rock flour to inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- [Pattern] = MH-CH, Inorganic silts micaceous or diatomaceous fine sands or silts, elastic silts.
- [Pattern] = LS, Limestone

NOTES :

Numbers to the left of borings indicate SPT values for 300 mm penetration. (Unless otherwise noted.)

50/90 = Number of blows for 90 mm of penetration.

Wood pilings may be encountered in the vicinity of proposed structure other than that noted in Boring Number 2.

W = 100% loss of circulating water (unless otherwise noted)

WH = Weight of hammer

A/-m = Artesian water flow encountered, measured head, meters NGVD.

* = B-9, unable to establish Artesian flow due to circulation at -6.8 m, NGVD.

▽ = Water Table

[Symbol] = Shelby Tube

[Symbol] = Casing used.

Type Rig = Diedrich 50, DR-6

Hammer Type = Diedrich Automatic, 63.5 kg Manual

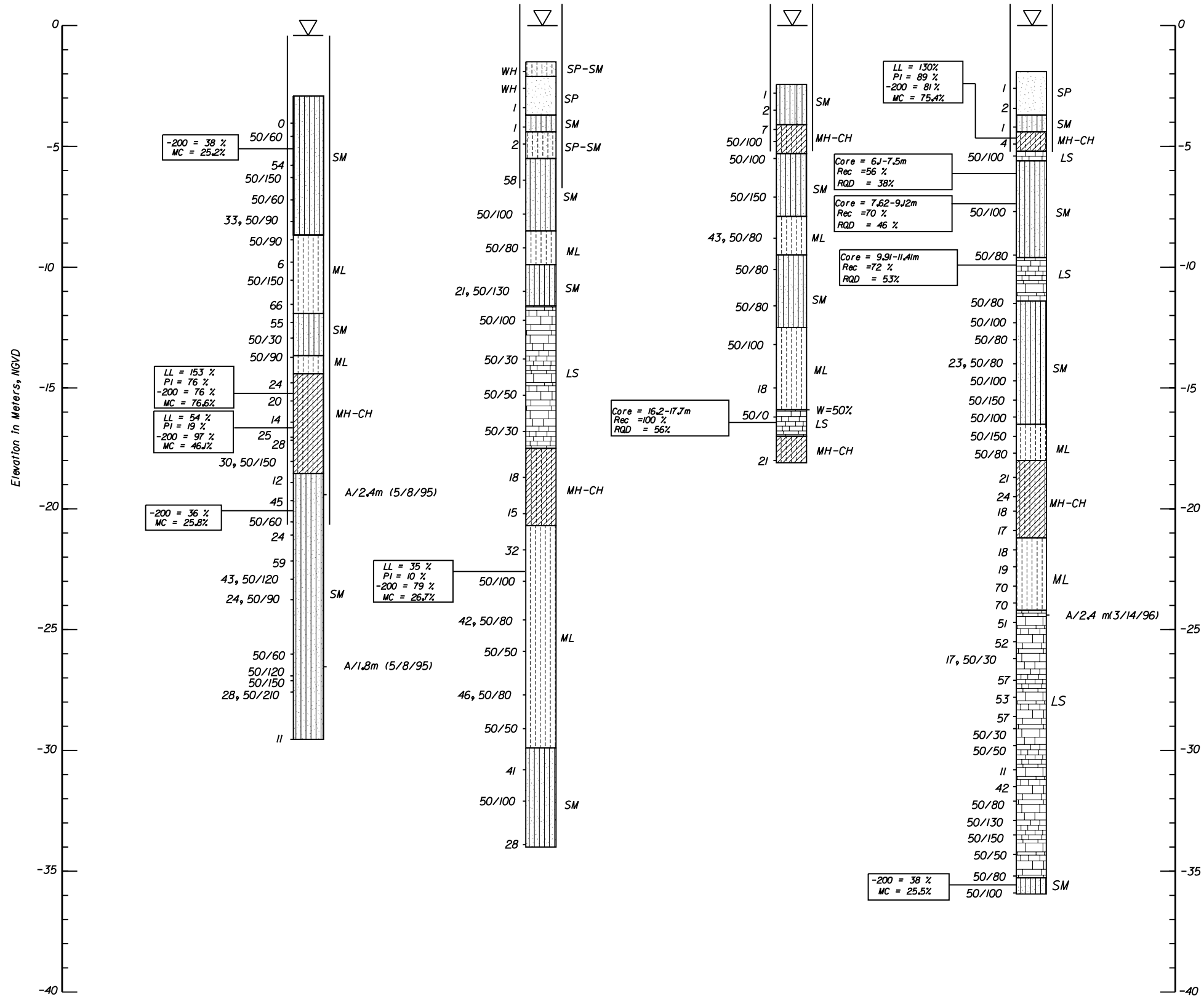
B- = F.D.O.T. Boring Location (B-1-B-4), Williams Earth Sciences (B-5-B-23)

BORING NO. B-4
Sta. 135+25
45.7 m LT
Elev. -2.90 m
06/01/95

BORING NO. B-19
Sta. 135+30
26.2 m LT
Elev. -1.50 m
04/03/96

BORING NO. B-20
Sta. 135+80
26.2 m LT
Elev. -2.44 m
03/26/96

BORING NO. B-21
Sta. 136+05
26.2 m LT
Elev. -1.90 m
03/14/96



LEGEND :

- SP, Poorly graded sands and gravelly sands, little or no fines.
- SM, Silty sands, sand-silt mixtures.
- SP-SM, Poorly graded sands and gravelly sands, to silty sands, sand-silt mixtures.
- SC, Clayey sands, sand-clay mixtures.
- CL, Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- SM-SC, Silty sands, sand-silt mixtures to clayey sands, sand-clay mixtures.
- ML, Inorganic silts, very fine sands, rock flour silty or clayey, fine sands.
- ML-CL, Inorganic silts, very fine sands, rock flour to inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- MH-CH, Inorganic silts micaceous or diatomaceous fine sands or silts, elastic silts.
- LS, Limestone

NOTES :

- Numbers to the left of borings indicate SPT values for 300 mm penetration. (Unless otherwise noted.)
- 50/90 = Number of blows for 90 mm of penetration.
- Wood pilings may be encountered in the vicinity of proposed structure other than that noted in Boring Number 2.
- W = 100% loss of circulating water (unless otherwise noted)
- WH = Weight of hammer
- A/--m = Artesian water flow encountered, measured head, meters NGVD.
- * = B-9, unable to establish Artesian flow due to circulation at -6.8 m, NGVD.
- ▽ = Water Table
- = Shelby Tube
- = Casing used.
- Type Rig = Diedrich 50, DR-6
- Hammer Type = Diedrich Automatic, 63.5 kg Manual
- B- = F.D.O.T. Boring Location (B-1-B-4), Williams Earth Sciences (B-5-B-23)

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NAMES	DATES
DRAWN BY DML	4/97
CHECKED BY BWJ	4/97
DESIGNED BY	
CHECKED BY	
APPROVED BY T.N. Puckett	

ENGINEER OF RECORD.
MATERIALS OFFICE
DISTRICT 1
801 N. Broadway
Bartow, Florida 33830-1249

LOGO.



SEAL.



FLORIDA DEPARTMENT OF TRANSPORTATION
MATERIALS OFFICE

ROAD NO.	COUNTY	PROJECT NO.
776	Charlotte	01050-3521

SHEET TITLE:

REPORT OF CORE BORINGS

PROJECT NAME:

SR 776, Myakka River Bridge

DRAWING NO.

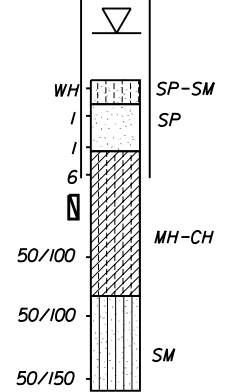
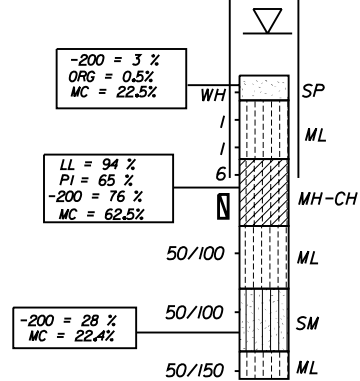
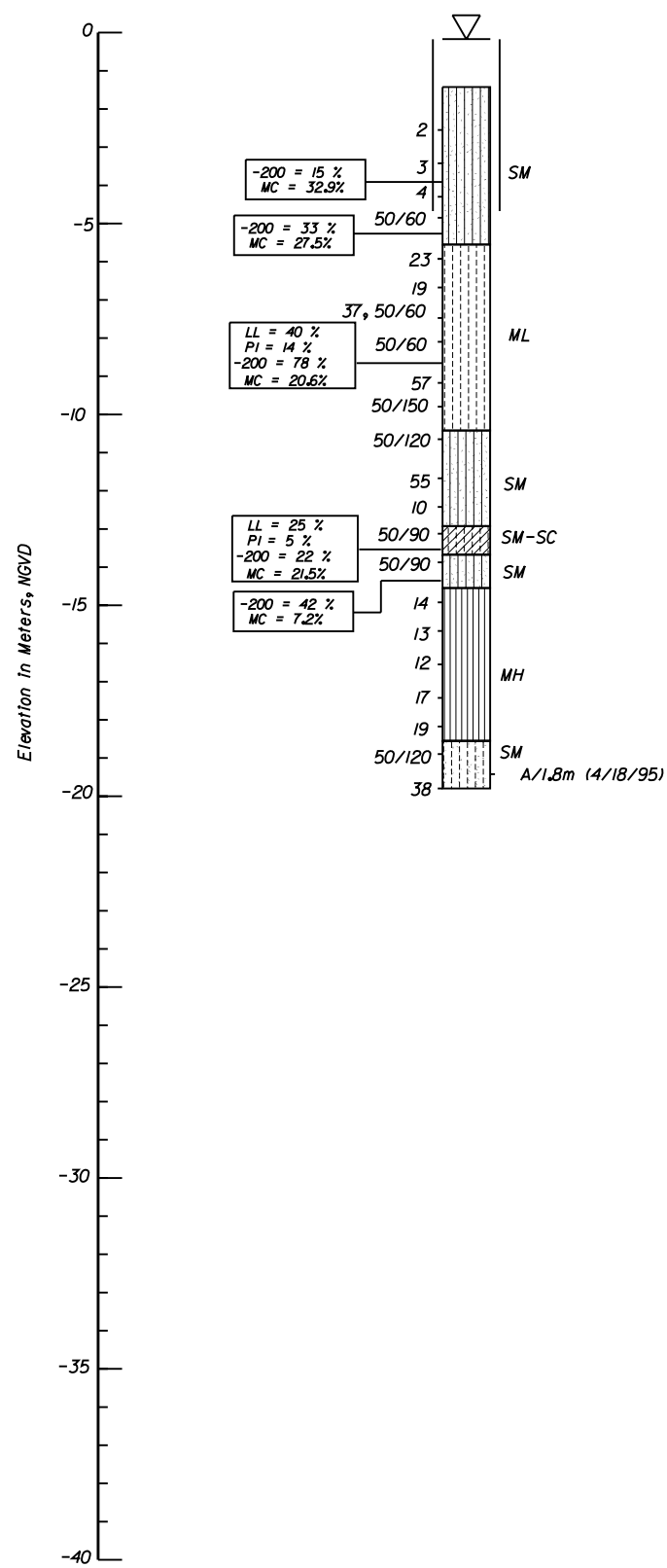
6

INDEX NO.

BORING NO. B-3
Sta. 136+25
45.7 m LT
Elev. -1.40 m
04/24/95

BORING NO. B-22
Sta. 136+40
26.2 m LT
Elev. -1.07 m
05/09/96

BORING NO. B-23
Sta. 136+80
26.2 m LT
Elev. -1.19 m
05/09/96



- LEGEND :**
- SP, Poorly graded sands and gravelly sands, little or no fines.
 - SM, Silty sands, sand-silt mixtures.
 - SP-SM, Poorly graded sands and gravelly sands, to silty sands, sand-silt mixtures.
 - SC, Clayey sands, sand-clay mixtures.
 - CL, Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
 - SM-SC, Silty sands, sand-silt mixtures to clayey sands, sand-clay mixtures.
 - ML, Inorganic silts, very fine sands, rock flour silty or clayey, fine sands.
 - ML-CL, Inorganic silts, very fine sands, rock flour to inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
 - MH-CH, Inorganic silts micaceous or diatomaceous fine sands or silts, elastic silts.
 - LS, Limestone

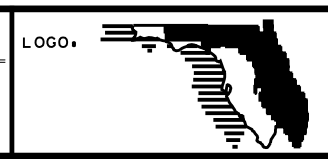
- NOTES :**
- Numbers to the left of borings indicate SPT values for 300 mm penetration. (Unless otherwise noted.)
 - 50/90 = Number of blows for 90 mm of penetration.
 - Wood pilings may be encountered in the vicinity of proposed structure other than that noted in Boring Number 2.
 - W = 100% loss of circulating water (unless otherwise noted)
 - WH = Weight of hammer
 - A/--m = Artesian water flow encountered, measured head, meters NGVD.
 - * = B-9, unable to establish Artesian flow due to circulation at -6.8 m, NVGD.
 - ▽ = Water Table
 - = Shelby Tube
 - = Casing used.
 - Type Rig = Diedrich 50, DR-6
 - Hammer Type = Diedrich Automatic, 63.5 kg Manual
 - Hammer Type = Diedrich Automatic, 140lb. Manual
 - B- = F.D.O.T. Boring Location (B-1-B-4), Williams Earth Sciences (B-5-B-23)

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NAMES	DATES
DML	4/97
MAE	4/97
T.N. Puckett	

ENGINEER OF RECORD.
MATERIALS OFFICE
DISTRICT 1
801 N. Broadway
Bartow, Florida 33830-1249



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FLORIDA DEPARTMENT OF TRANSPORTATION MATERIALS OFFICE		
ROAD NO.	COUNTY	PROJECT NO.
776	Charlotte	01050-3521

SHEET TITLE: REPORT OF CORE BORINGS	DRAWING NO. 7
PROJECT NAME: SR 776, Myakka River Bridge	INDEX NO.