

Bridge Only: 193856-1-52-01

193898-2 -32-01

THIS CONTRACT PLAN SET INCLUDES

ROADWAY PLANS
SIGNING AND MARKING PLANS
SIGNALIZATION PLANS
LIGHTING PLANS
STRUCTURE PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET
OF EACH GROUP OF PLANS

INDEX OF ROADWAY PLANS

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2-5	BOX CULVERT DATA SHEETS
6-10	DRAINAGE MAP
11-12	TYPICAL SECTION
13-14	SUMMARY OF QUANTITIES
15-28	SUMMARY OF DRAINAGE STRUCTURES
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32-31	PLAN AND PROFILE SHEETS
32	INTERSECTION DETAIL
33-94	BACK-OF-SIDEWALK PROFILES
95-104	SIDE STREET PROFILES
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107-108	DRAINAGE DETAILS
109-110	POND DETAILS
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113-114	SOIL SURVEY
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119-120	UTILITY ADJUSTMENT SHEETS
121-122	POTENTIAL CONTAMINATION SITES
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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, 1994).

REVISIONS

THE PROJECT LENGTH IS BASED ON THE 8 SURVEY

LENGTH OF PROJECT		
	LINEAR FT.	MILES
ROADWAY	25,238.00	4.780
BRIDGES	182.00	0.034
NET LENGTH OF PROJ.	25,420.00	4.814
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJ.	25,420.00	4.814

G.E.C. PROJECT MANAGER: SUSAN A. GRATCH, P.E.

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION**

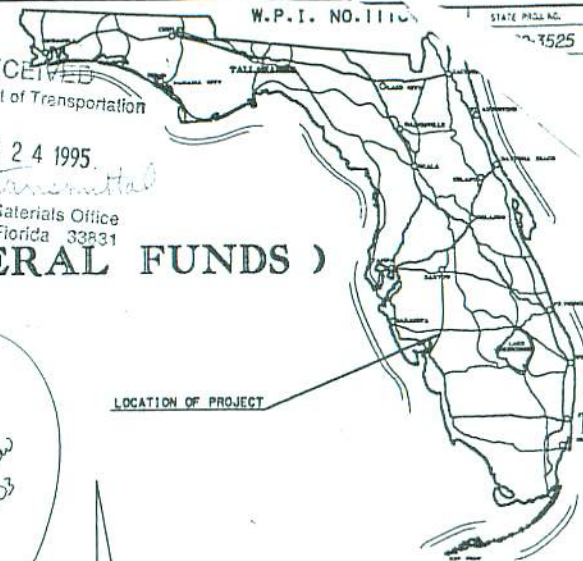
**PLANS OF PROPOSED
STATE HIGHWAY**

**STATE PROJECT No. 04020-3525 (FEDERAL FUNDS)
DESOTO COUNTY
STATE ROAD NO. 35**

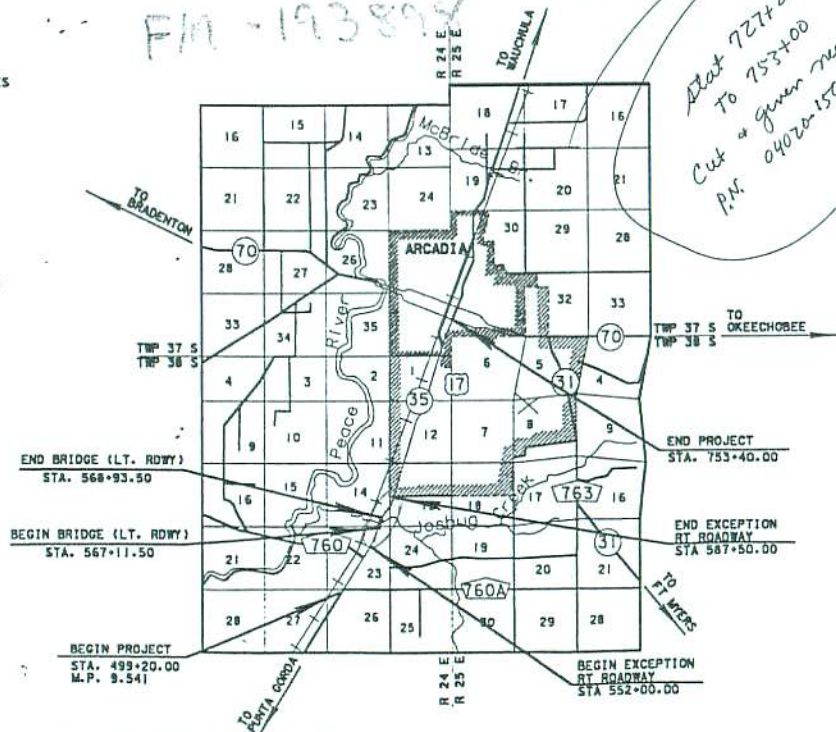
RECEIVED
Department of Transportation

MAY 24 1995

District Materials Office
Bartow, Florida 33831



LOCATION OF PROJECT



1 MILE

PLANS PREPARED BY:
BOWYER SINGLETON & ASSOCIATES
520 S. MAGNOLIA AVENUE
ORLANDO, FLORIDA 32802-2769
(407) 843-5120

ROADWAY PLANS ENGINEER OF RECORD
NORMAN L. FINLEY, P.E.

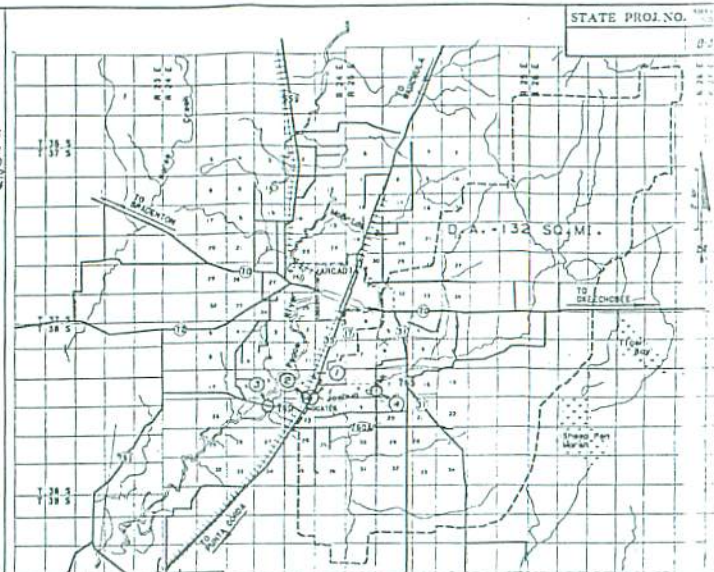
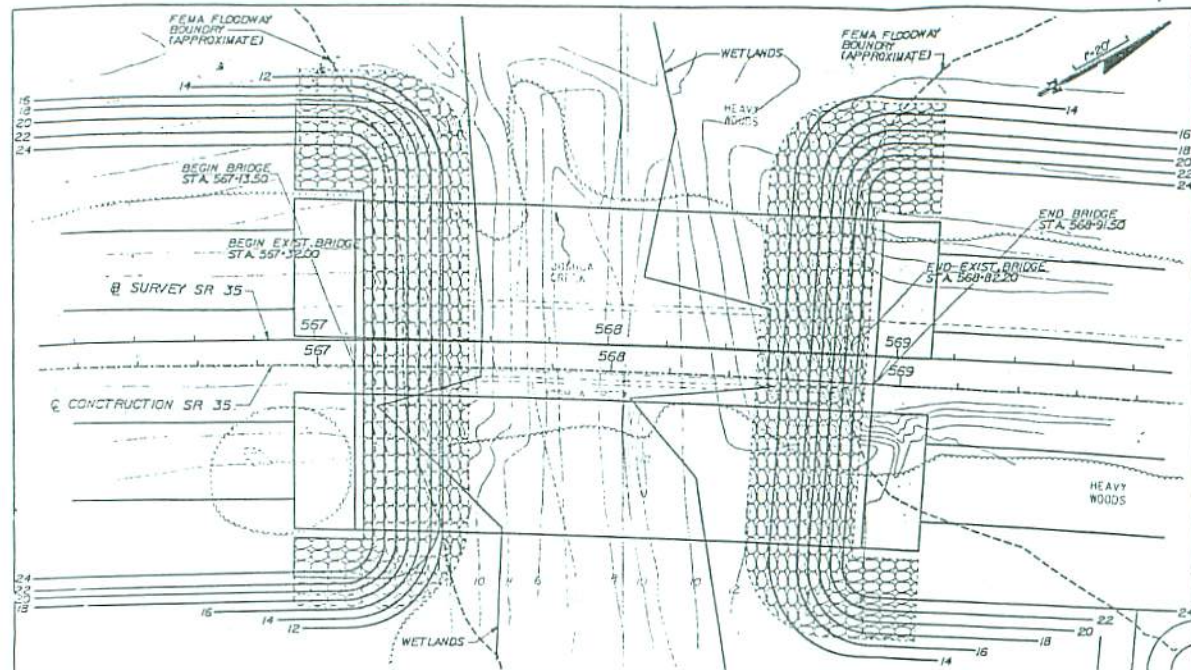
90%
SUBMITTAL
5/22/95

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

GOVERNING SPECIFICATIONS, STATE OF FLORIDA,
DEPARTMENT OF TRANSPORTATION, STANDARD
SPECIFICATIONS, DATED 1994 AND SUPPLEMENTS
THEREOF IF NOTED IN THE SPECIAL PROVISIONS
FOR THIS PROJECT.

REVISIONS		
DATE	BY	DESCRIPTION

ROADWAY PLANS
APPROVED BY: _____
DATE: _____
P.E. NO. 24110
NORMAN L. FINLEY, P.E.



REFERENCE	EXISTING STRUCTURES	ASSUMED CONFIGURATION
FOUNDATION	1.1 TIE-ROD	1.1 TIE-ROD
OVERALL LENGTH	1.2 269' AVERAGE	1.2 269' AVERAGE
SPAN LENGTH	1.3 11.0' AVERAGE	1.3 11.0' AVERAGE
TYPE CONSTRUCTION	1.4 CONC. GIRDER	1.4 CONC. GIRDER
AREA OF OPENING # H.W.	1.5 1525 SQ. FT.	1.5 1525 SQ. FT.
ROADWAY WIDTH	1.6 24.0'	1.6 24.0'
ELEV. LOW MEMBER	1.7 21.2'	1.7 21.2'

HYDRAULIC DESIGN DATA

NOTE: The hydraulic data is shown for information and purposes only. It is not to be used for design or construction purposes. The data was generated using highly variable factors determined by a study of the watershed. Many judgments and assumptions are required to establish these factors. The resulting hydraulic data is sensitive to changes, particularly antecedent conditions, urbanization, channelization and land use. Users of this data are cautioned against the assumption of precision which cannot be obtained.

DEFINITIONS:

Design Flood: The flood utilized to assure a desired level of hydraulic performance.

Base Flood: The flood having a 1% chance of being exceeded in any year (100 year frequency).

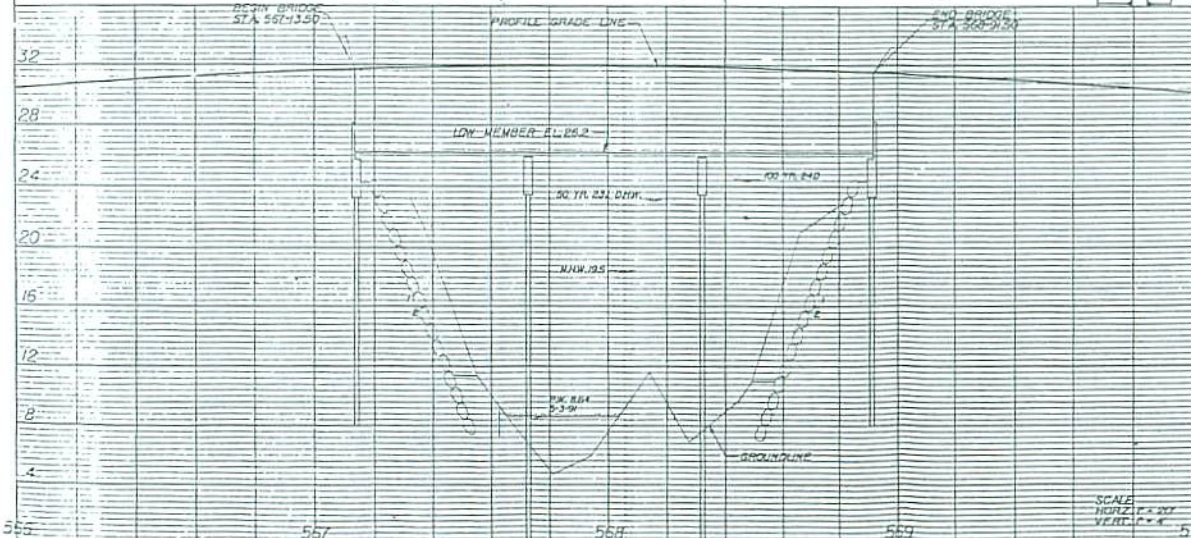
Overlapping Flood: The flood which causes flow over the highway, over a watershed divide or thru emergency relief structures.

Greatest Flood: The most severe flood which can be predicted where overlapping is not practicable.

WATER SURFACE ELEVATIONS: N.W. 1/4, Section 1	21.5'	21.5'	21.5'	21.5'
FLOOD DATA:	MAX. EVENT OF RECORD	DESIGN FLOOD	BASE FLOOD	GREATEST FLOOD
STAGE ELEV. (FT.)	22.93	22.0	21.5	21.5
DISCHARGE (CFS)	8000	8000	7000	7000
AVERAGE VELOCITY (FPS)	4.9	4.9	4.9	4.9
EXCEEDANCE PROB. (%)	2.00	2.00	2.00	2.00
FREQUENCY (YRS.)	50	50	50	50

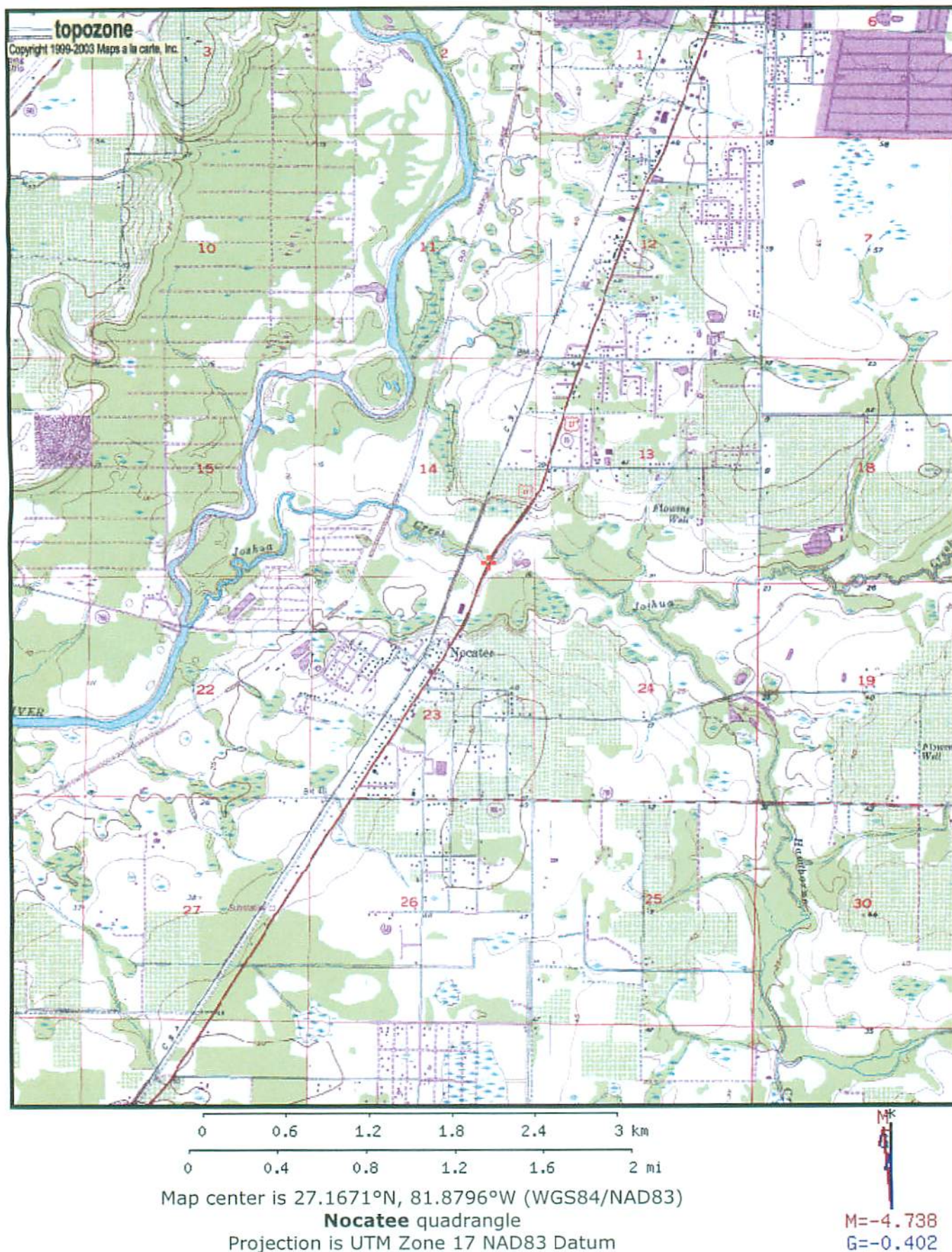
- HYDRAULIC RECOMMENDATIONS**
- BEGIN BRIDGE STATION: 567+13.50
 - END BRIDGE STATION: 568+91.50
 - CHANNEL SECTION: 568+00
 - LIMITS OF CHANNEL EXCAVATION: RT. 568+00 TO LT. 568+00
 - CL. CLEARANCE: NAVIGATION: 10.0' VERT. ABOVE EL. 21.5' ST. VERT. 2.0' ABOVE EL. 21.5'
 - SLOPE PROTECTION: STANDARD BANK AND SHOULDER DRAINAGE
 - DECK DRAINAGE: SLOPE BACK & AHEAD TO DRAIN TO MAIN CHANNEL
 - OTHER: ...

REMARKS: TOTAL DESIGN FLOOD: 22.93' STAGE ELEV. (FT.)



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
3/24	WLS	DESIGNED	3/24	WLS	DESIGNED	3/24	WLS	DESIGNED	3/24	WLS	DESIGNED
3/24	WLS	CHECKED	3/24	WLS	CHECKED	3/24	WLS	CHECKED	3/24	WLS	CHECKED

Scour elev -7.0 Worst case



FINANCIAL PROJECT ID	FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
193856-1-52-01	3	FLA.	04020-3518		811



LOCATION
TOWNSHIP - 38S
RANGE - 24E
SECTION 14

Latitude: 27.16664275 North
Longitude: -81.7934699 West

LEGEND :

- = SP, Poorly graded sands and gravelly sands, little or no fines.
- = SP-SM, Poorly graded sands and gravelly sands, to silty sands, sand-silt mixtures.
- = SM-SC, Silty sands, sand-silt mixtures to clayey sands, sand-clay mixtures.
- = SC, Clayey sand, sand-clay mixtures.
- = CH, Inorganic clays of medium to high plasticity.

NOTES :

Numbers to the left of borings indicate SPT values for 12" penetration.
(Unless otherwise noted.)

- A = Artesian water flow encountered.
- W = 100% loss of circulating water. (Unless otherwise noted.)

= Water Table

= Casing Used.

= Boring Location

Type Rig = CME 45, 55

Environmental Classification

Substructure : Moderately aggressive
Superstructure : Slightly aggressive

Water :

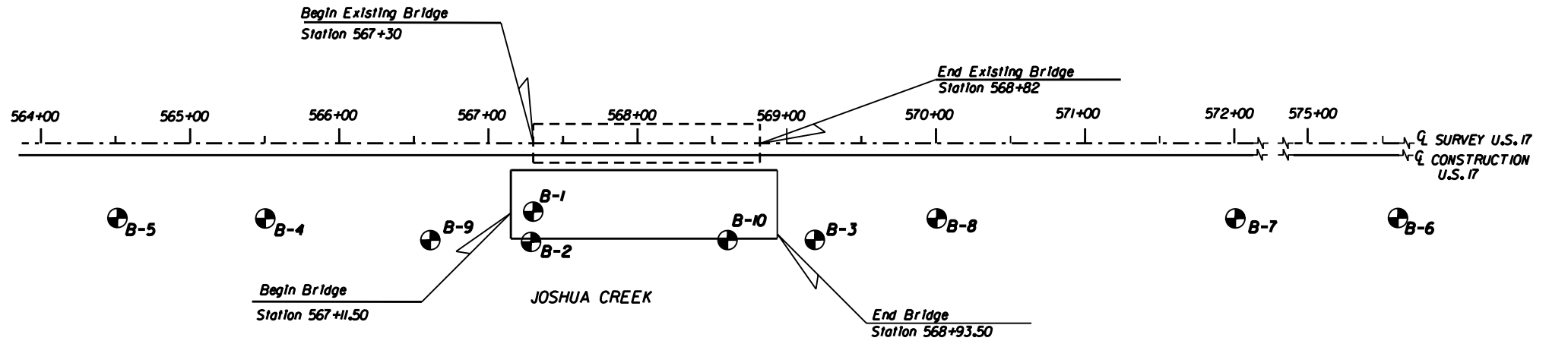
Resistivity : 1500 ohms-cm, Chlorides : 120 ppm,
Sulfates : 148 ppm, pH : 7.9

**Granular Materials-
Relative Density**

	SPT (Blows/Ft)
Very Loose	Less than 4
Loose	4 - 10
Medium or Compact	10 - 30
Dense	30 - 50
Very Dense	Greater than 50

**Silts and Clays-
Consistency**

	SPT (Blows/Ft)
Very Soft	Less than 2
Soft	2 - 4
Firm	4 - 8
Stiff	8 - 15
Very Stiff	15 - 30
Hard	Greater than 30



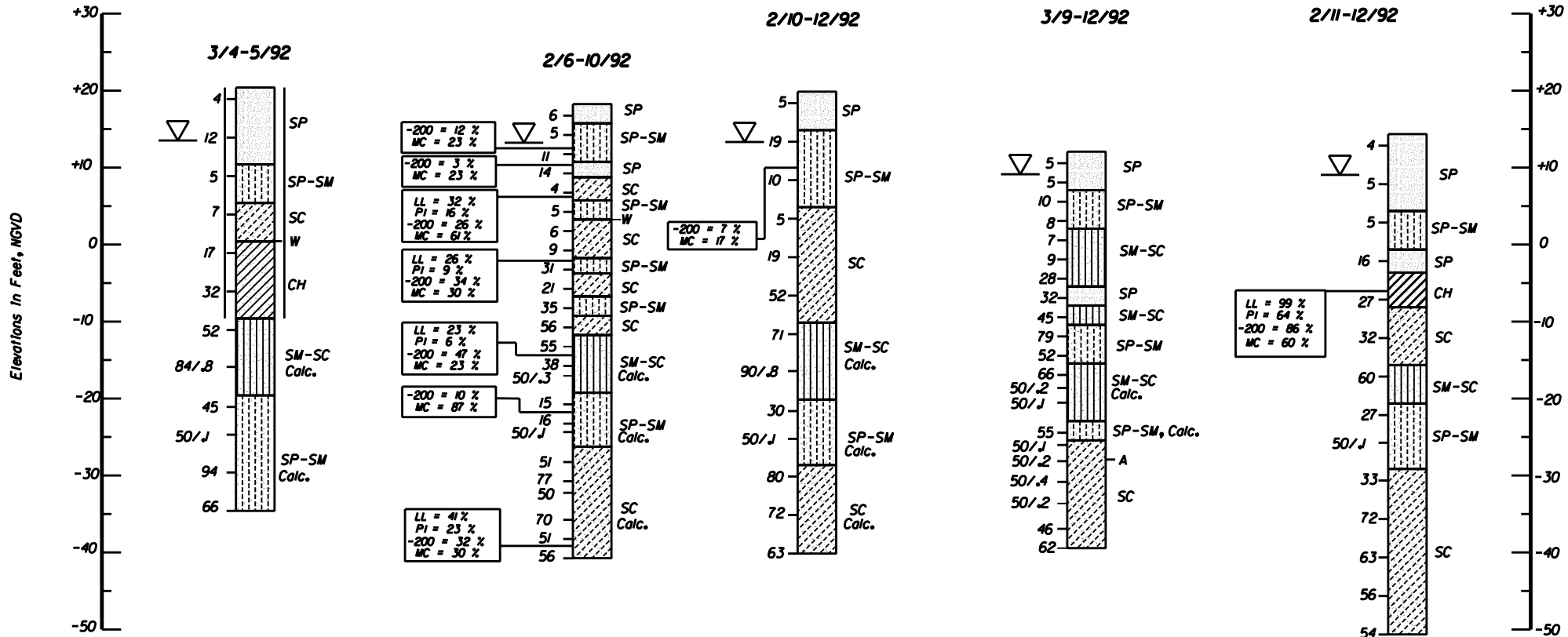
BORING NO. B-9
Sta. 566+61
65' Right
Elev. 20.4'

BORING NO. B-1
Sta. 567+30
46' Right
Elev. 18.25'

BORING NO. B-2
Sta. 567+30
66' Right
Elev. 19.90'

BORING NO. B-10
Sta. 568+60
65' Right
Elev. 12.05'

BORING NO. B-3
Sta. 569+19
65' Right
Elev. 14.35'

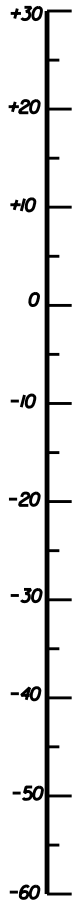


REVISIONS						NAMES		DATES		SEAL		ENGINEER OF RECORD		LOGO		FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET TITLE		DRAWING NO.			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DRAWN BY	CHECKED BY	DESIGNED BY	CHECKED BY	APPROVED BY													
						DML	MEH			T.J. Puckett, P.E.									REPORT OF CORE BORINGS	1			
												DISTRICT 1 801 N. Broadway Bartow, Florida 33830-1249		ROAD NO. 17		COUNTY DESOTO		PROJECT NO. 04020-3518		PROJECT NAME: U.S. 17 over Joshua Creek		INDEX NO.	

FINANCIAL PROJECT ID	FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
193856-1-52-01	3	FLA.	04020-3518		B12

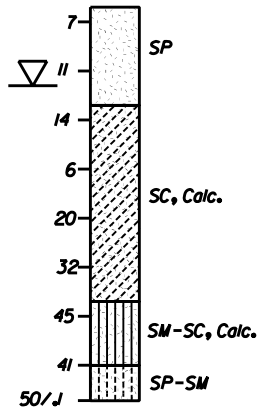
04020-3518

Elevations in Feet, NGVD



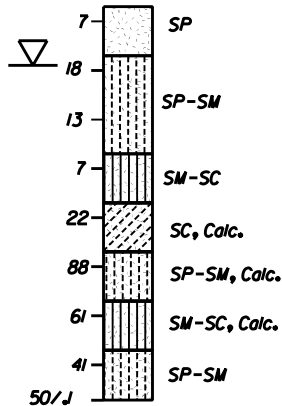
BORING NO. B-5
Sta. 564+50
50' Right
Elev. 21.05'

2/27/92



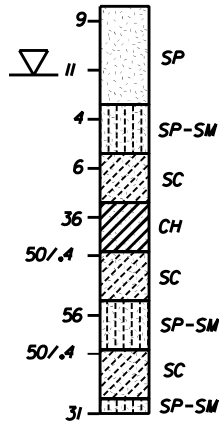
BORING NO. B-4
Sta. 565+50
50' Right
Elev. 19.05'

2/27/92



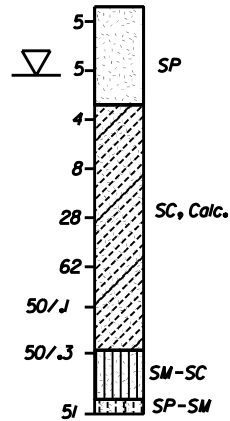
BORING NO. B-8
Sta. 570+00
50' Right
Elev. 16.10'

2/11-12/92



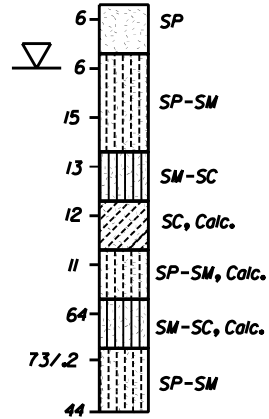
BORING NO. B-7
Sta. 572+00
50' Right
Elev. 15.65'

3/4-5/92



BORING NO. B-6
Sta. 575+50
50' Right
Elev. 15.45'

3/2-/92



Elevations in Feet, NGVD



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NAMES	DATES
DRAWN BY DML	8/99
CHECKED BY MEH	8/99
DESIGNED BY	
CHECKED BY	
APPROVED BY T.J. Puckett, P.E.	

SEAL

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

LOGO



FLORIDA DEPARTMENT OF TRANSPORTATION
MATERIALS OFFICE

ROAD NO.	COUNTY	PROJECT NO.
17	DESOTO	04020-3518

SHEET TITLE:
REPORT OF CORE BORINGS

PROJECT NAME:
U.S. 17 over Joshua Creek

DRAWING NO.

2

INDEX NO.