

**State Project No.**

**92070-3510**



1/11/95  
CES0152CESPJ15-2  
PAGE 01 OF 02

SUMMARY OF ROADWAY PAY ITEMS									
ITEM		ITEM		UNIT		QUANTITY			
L P		T C		IT		IT		TOTAL	
NUMBER									
1	101	1	1	1	1.000	1	1.000	1	1.000
2	102	1	1	1	1.000	1	1.000	1	1.000
3	102	10	1	1	128.000	1	128.000	1	128.000
4	102	74	1	1	146025.000	1	146025.000	1	146025.000
5	102	75	1	1	17575.000	1	17575.000	1	17575.000
6	102	77	1	1	5400.000	1	5400.000	1	5400.000
7	102	96	1	1	5400.000	1	5400.000	1	5400.000
8	102	99	1	1	900.000	1	900.000	1	900.000
9	102	921	1	1	32.200	1	32.200	1	32.200
10	102	921	2	1	448.000	1	448.000	1	448.000
11	102	921	3	1	35.744	1	35.744	1	35.744
12	102	922	2	1	2350.000	1	2350.000	1	2350.000
13	104	13	1	1	1.000	1	1.000	1	1.000
14	110	1	1	1	36825.000	1	36825.000	1	36825.000
15	120	4	1	1	81500.000	1	81500.000	1	81500.000
16	160	4	1	1	24017.000	1	24017.000	1	24017.000
17	285	703	1	1	26276.000	1	26276.000	1	26276.000
18	285	710	1	1	8694.000	1	8694.000	1	8694.000
19	285	712	1	1	638.000	1	638.000	1	638.000
20	286	1	1	1	10048.000	1	10048.000	1	10048.000
21	300	1	1	1	10411.000	1	10411.000	1	10411.000
22	300	1	19	1	21504.000	1	21504.000	1	21504.000
23	327	70	2	1	35840.000	1	35840.000	1	35840.000
24	327	70	4	1	10225.000	1	10225.000	1	10225.000
25	327	70	5	1	17920.000	1	17920.000	1	17920.000
26	331	2	1	1	27149.200	1	27149.200	1	27149.200
27	337	5	2	1	105520.000	1	105520.000	1	105520.000
28	341	70	1	1	35840.000	1	35840.000	1	35840.000
29	400	1	2	1	18.220	1	18.220	1	18.220
30	400	1	15	1	104.000	1	104.000	1	104.000
31	430	12-233	1	1	60.000	1	60.000	1	60.000
32	430	14-229	1	1	220.000	1	220.000	1	220.000
33	430	14-229	1	1	176.000	1	176.000	1	176.000
34	430	942-33	1	1	506.000	1	506.000	1	506.000
35	430	941-211	1	1	675.000	1	675.000	1	675.000
36	430	984-225	1	1	12.000	1	12.000	1	12.000
37	430	984-229	1	1	10.000	1	10.000	1	10.000
38	440	1	10	1	17920.000	1	17920.000	1	17920.000
39	440	73	2	1	525.000	1	525.000	1	525.000
40	440	77	2	1	88.000	1	88.000	1	88.000
41	514	71	1	1	12951.000	1	12951.000	1	12951.000
42	524	1	1	1	171.000	1	171.000	1	171.000
43	546	72	51	1	10.400	1	10.400	1	10.400
44	570	3	1	1	125074.000	1	125074.000	1	125074.000
45	570	3	1	1	2605.000	1	2605.000	1	2605.000
46	570	4	1	1	104.200	1	104.200	1	104.200
47	570	5	1	1	14.700	1	14.700	1	14.700
48	570	9	1	1	183.000	1	183.000	1	183.000
49	570	10	1	1	521.000	1	521.000	1	521.000



CEBPJ16-2  
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SUMMARY OF ROADWAY PAY ITEMS				CONTRACT ITEMS CONTINUED	
ITEM	UNIT	QUANTITY	UNIT PRICE	TOTAL	REMARKS
1. 575 4. 160000	1.00	31793.000			
<p>NOTE: R IDENTIFIES ITEMS NORMALLY REQUIRING SHOP DRAWINGS - CONTRACTOR SHALL DETERMINE OTHER ITEMS REQUIRING SHOP DRAWINGS.</p>					



CESPJ15-2  
PAGE 01 OF 01

SUMMARY		OF	SIGNING	PAY ITEMS	UNIT	QUANTITY
ITEM	ITEM					
NUMBER						TOTAL
1- 700- 40- 1	SIGN SINGLE POST	(LESS THAN 12)	IAS	49.000		49.000
1- 700- 46- 21	SIGN EXISTING (RELOCATE)	(SINGLE POST)	IAS	3.000		3.000
1- 706- 1- 12	MARKER PAVEMENT REFLECTIVE (FAT)	(CLASS B)	IEA	2062.000		2062.000
1- 711- 3-	PAVT MESSAGES	THERMOPLASTIC	IEA	8.000		8.000
1- 711- 4-	DIRECTIONAL ARROWS	THERMOPLASTIC	IEA	8.000		8.000
2- 711- 31-	TRAFFIC STRIPE SKIP (THERMOPLASTIC) (WHITE)	(WHITE)	ILF	3.622		3.622
2- 711- 33-	TRAFFIC STRIPE SKIP (THERMOPLASTIC)	(WHITE)	ILF	216.000		216.000
2- 711- 36-181	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (YELLOW) (18")	(18")	ILF	1292.000		1292.000
2- 711- 37- 64	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (WHITE) ( 6")	( 6")	ILM	10.278		10.278
2- 711- 38- 64	TRAFFIC STRIPE SOLID (THERMOPLASTIC) (YELLOW) ( 6")	( 6")	ILM	13.234		13.234

NOTE: N IDENTIFIES ITEMS NORMALLY REQUIRING SHOP DRAWINGS - CONTRACTOR SHALL DETERMINE OTHER ITEMS REQUIRING SHOP DRAWINGS.



**THIS CONTRACT PLAN SET INCLUDES**  
 SUMMARY OF PAY ITEMS (3 SHEETS)  
 ROADWAY PLANS  
 SIGNING AND PAVEMENT MARKING PLANS

# STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

## PLANS OF PROPOSED STATE HIGHWAY

STATE PROJECT NO. 92070-3510  
 OSCEOLA COUNTY  
 STATE ROAD NO. 60

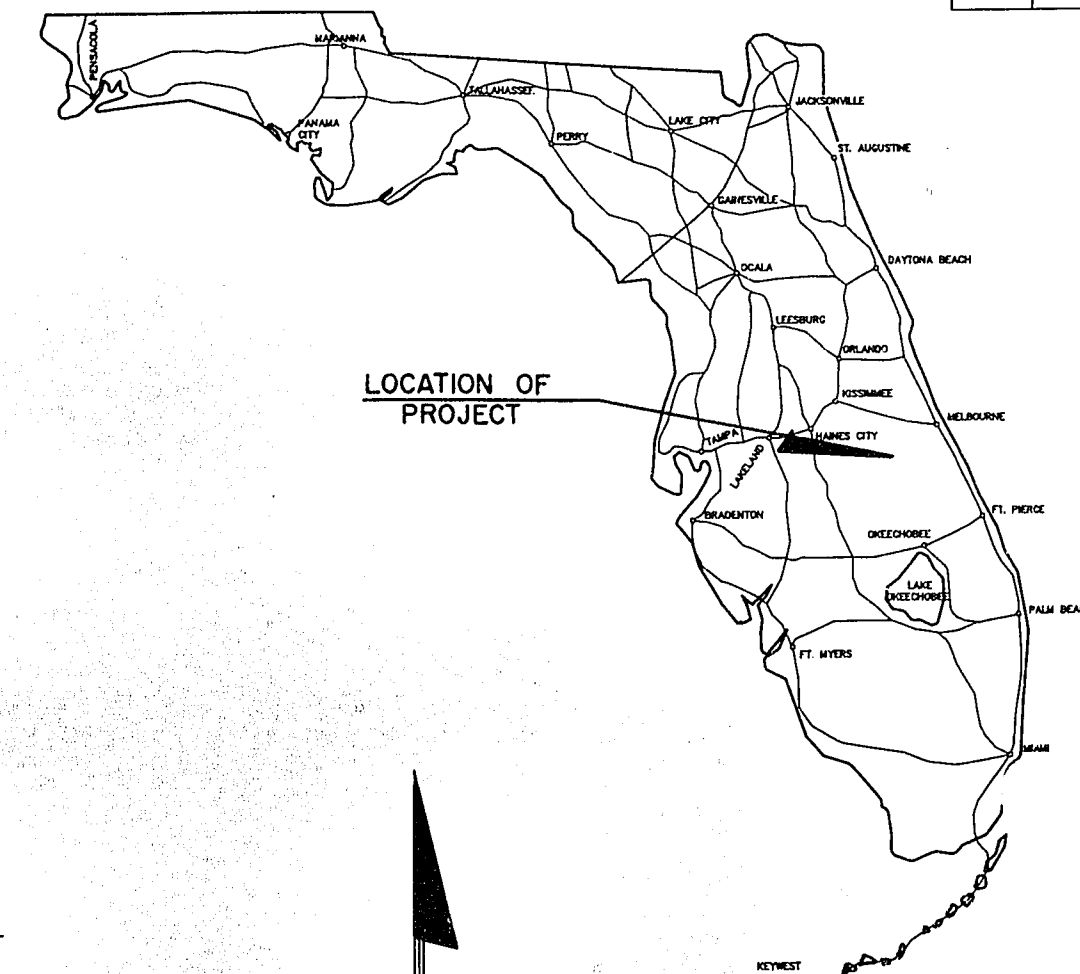
A DETAILED INDEX APPEARS ON THE KEY SHEET  
 OF EACH COMPONENT SET OF PLANS

### INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-5	BLANK
6-7	TYPICAL SECTION AND DETAILS
8	SUMMARY OF QUANTITIES
9-35	ROADWAY PLAN AND PROFILES
36	DRAINAGE STRUCTURE
37	SPECIAL DETAILS
38	ROADWAY SOIL SURVEY
39-99	CROSS SECTIONS
100-114	TRAFFIC CONTROL PLANS

WPI NO. 5115748

PHYSICAL YEAR	SHEET NO.
95	1



2 MILES

ROADWAY PLANS ENGINEER OF RECORD

HUGH M. LOKEY, P.E.  
 FL. REG. NO. 16583

PLANS PREPARED BY:



**THE CIVIL DESIGN GROUP, INC.**

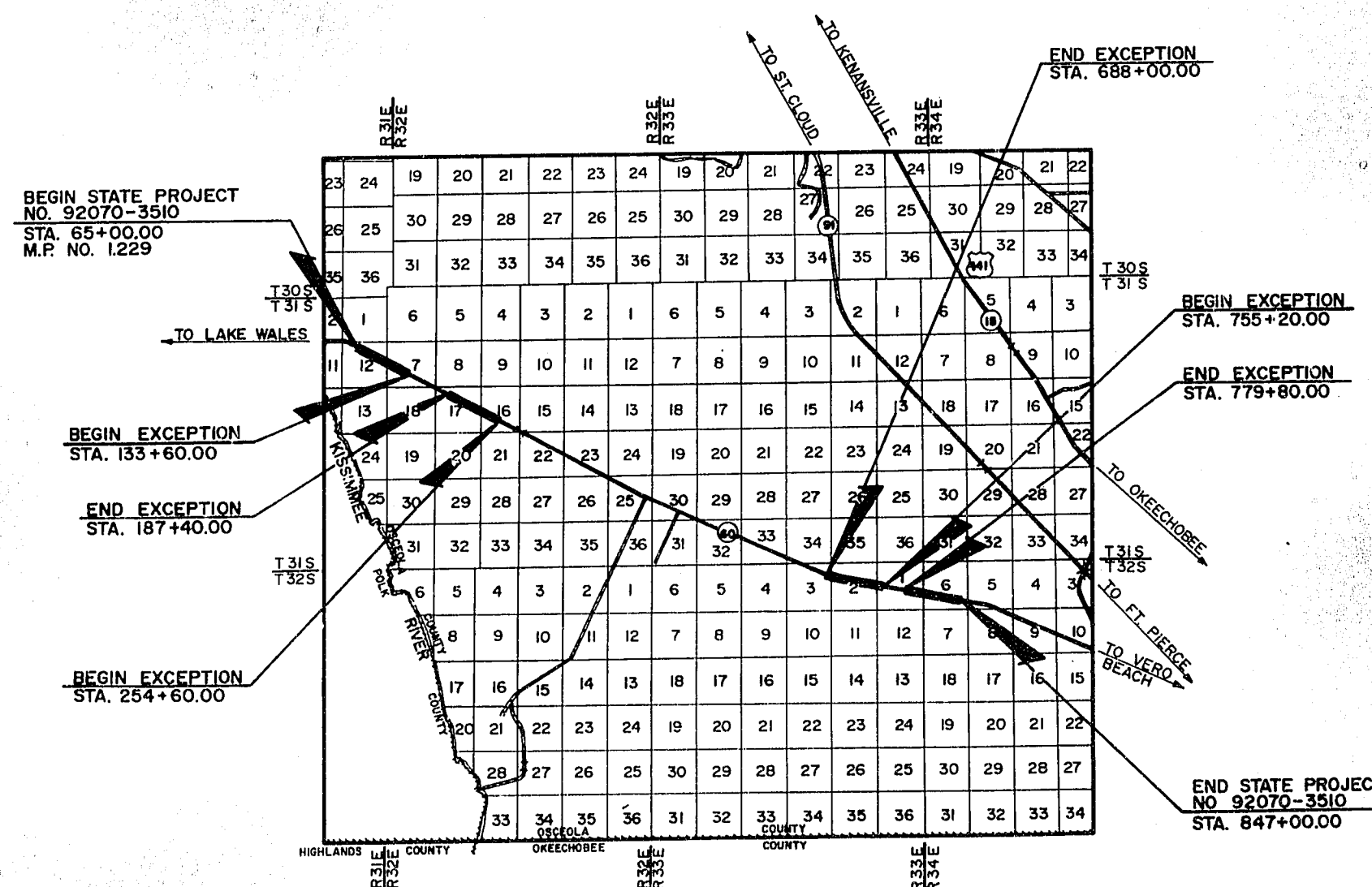
ENGINEERS • SURVEYORS • PLANNERS  
 401 SOUTH ROSALIND AVENUE, SUITE 200  
 ORLANDO, FLORIDA 32801

NOTE: THIS PROJECT WAS DESIGNED TO MEET  
 F.D.O.T. R-R-R CRITERIA.

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 1991 AND SUPPLEMENTS  
 THERETO IF NOTED IN THE SPECIAL PROVISIONS  
 FOR THIS PROJECT.

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.)



### LENGTH OF PROJECT

	LINEAR FT.	MILES
ROADWAY	27020.00	5.117
BRIDGES	0.00	0.000
NET LENGTH OF PROJ.	27020.00	5.117
EXCEPTIONS	51180.00	9.693
GROSS LENGTH OF PROJ.	78200.00	14.810

REVISIONS		
DATE	BY	DESCRIPTION

ROADWAY PLANS  
 APPROVED BY:

DATE: 1-11-95

P.E. NO. 16583

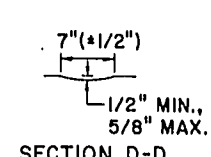
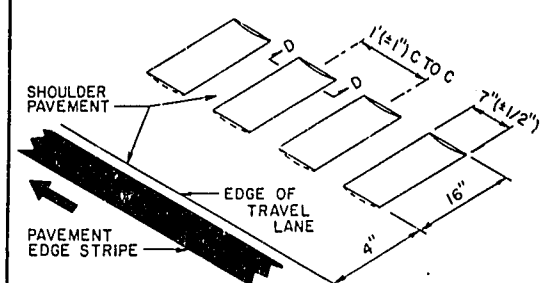
F.D.O.T. PROJECT MANAGER: GARY W. BASS

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CURRENT YEAR  
ESTIMATED OPENING YEAR  
DESIGN YEAR

1991 ADT 6200  
1995 ADT 7100 EST.  
2015 ADT 11400 EST.  
K = 9.5% D = 58.0%  
T = 28.1%  
DESIGN SPEED 60 MPH



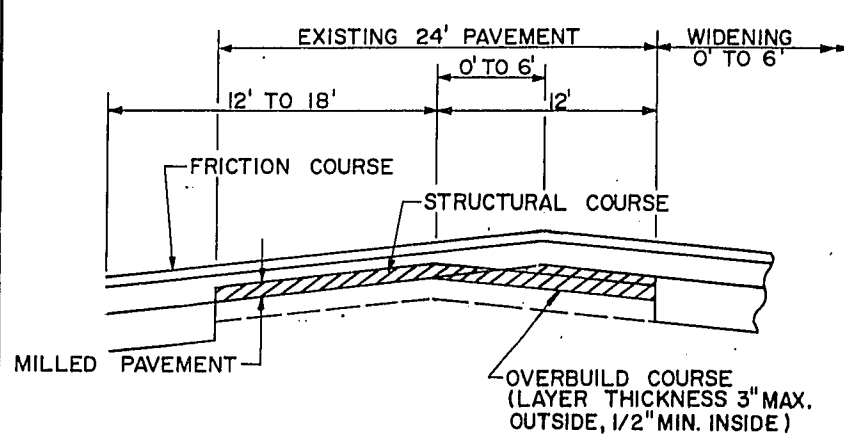
NOTE: FOR ADDITIONAL DETAILS  
SEE INDEX 518 (SHT. 2 OF 2)

CONTINUOUS GROUND-IN RUMBLE  
STRIP DETAIL

NOTE: ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO  
ACTUAL EXISTING PAVEMENT WIDTH. CONTRACTOR MAY  
ELECT TO PLACE UNIFORM WIDTH BASE WIDENING  
STRIP AT NO ADDITIONAL COST.

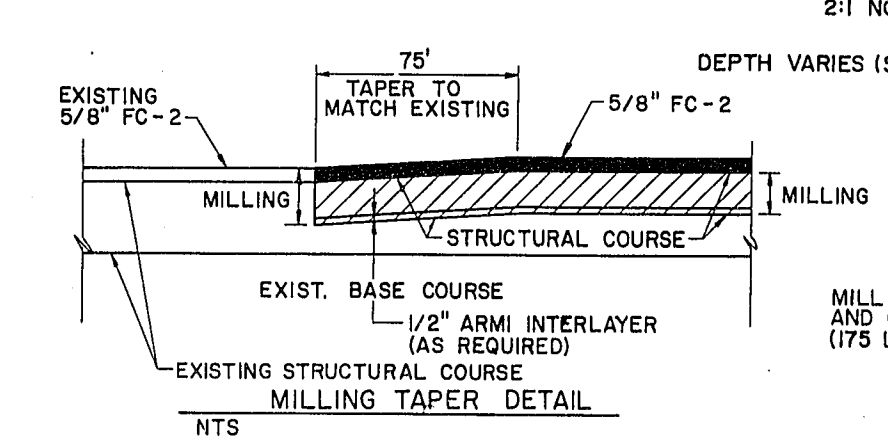
PAVED SHOULDER TO HAVE CONTINUOUS GROUND-IN RUMBLE  
STRIPS. SEE DETAIL THIS SHEET.

TRANSVERSE PAVEMENT JOINTS MUST BE SAW CUT  
UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

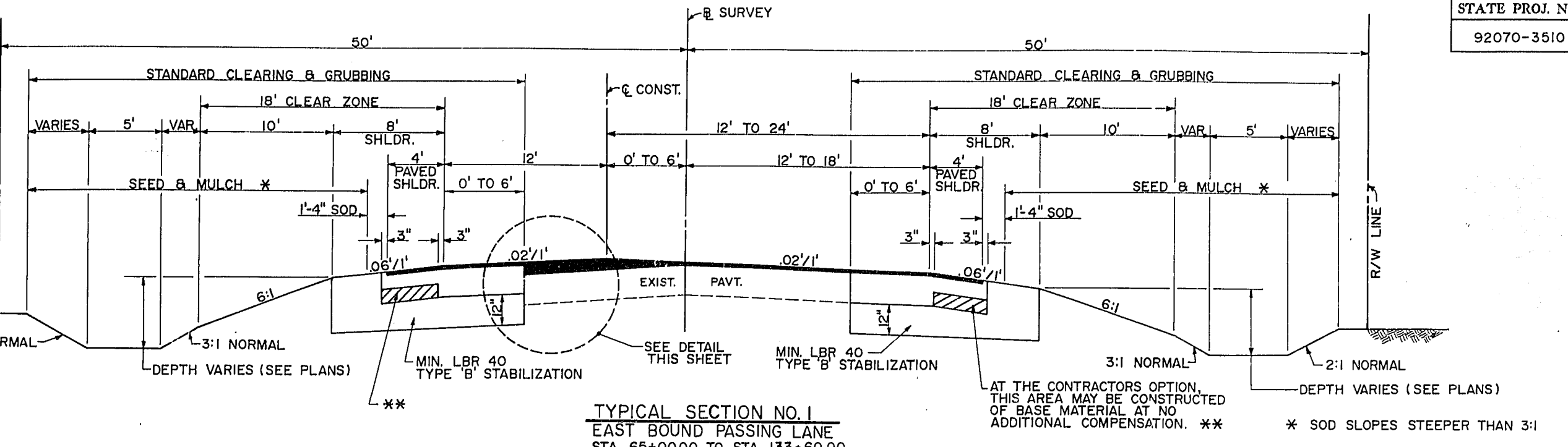


MILLING & WIDENING DETAIL

NOTE: FOR UNDERDRAIN DETAIL, SEE SHEET NO. 7



MILLING TAPER DETAIL



TYPICAL SECTION NO. 1  
EAST BOUND PASSING LANE  
STA. 65+00.00 TO STA. 133+60.00

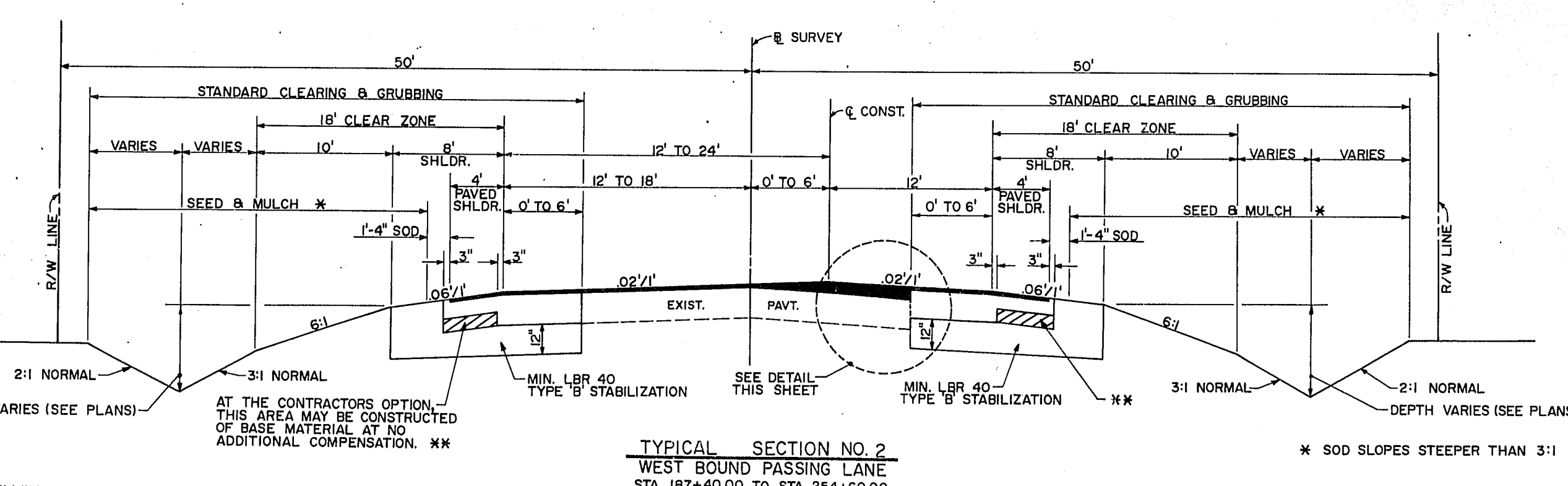
**MILLING AND OVERBUILD**  
MILL EXISTING ASPHALT CONCRETE PAVEMENT (3\"/>

**RESURFACING**  
TYPE 'S' STRUCTURAL COURSE (350 LBS./S.Y. AVG.) & FRICTION  
COURSE FC-2 (5/8\"/>

**PAVEMENT WIDENING**  
OPTIONAL BASE GROUP 10, (FOR THICKNESS SEE BELOW) WITH  
TYPE 'S' STRUCTURAL COURSE (350 LBS./S.Y. AVG.) AND  
FRICTION COURSE FC-2 (5/8\"/>

**ROADWAY SHOULDERS**  
OPTIONAL BASE GROUP 03, (FOR THICKNESS SEE BELOW)  
WITH TYPE 'S' STRUCTURAL COURSE (150 LBS./S.Y. AVG.)

OPTIONAL BASE COURSE	OPTION CODE
6 1/2\"/>	
4\"/>	



TYPICAL SECTION NO. 2  
WEST BOUND PASSING LANE  
STA. 187+40.00 TO STA. 254+60.00


**MILLING AND OVERBUILD**  
MILL EXISTING ASPHALT CONCRETE PAVEMENT (2\"/>

**RESURFACING**  
TYPE 'S' STRUCTURAL COURSE (250 LBS./S.Y. AVG.) AND  
FRICTION COURSE FC-2 (5/8\"/>

**PAVEMENT WIDENING**  
OPTIONAL BASE GROUP 12, (FOR THICKNESS SEE BELOW) WITH  
TYPE 'S' STRUCTURAL COURSE (350 LBS./S.Y. AVG.) AND  
FRICTION COURSE FC-2 (5/8\"/>

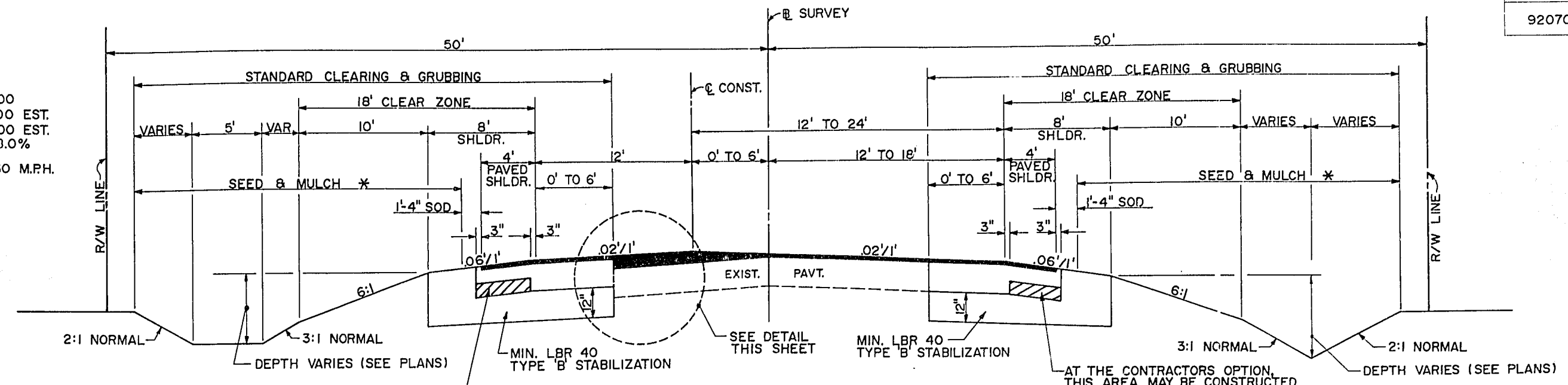
**ROADWAY SHOULDERS**  
OPTIONAL BASE GROUP 03, (FOR THICKNESS SEE BELOW)  
WITH TYPE 'S' STRUCTURAL COURSE (150 LBS./S.Y. AVG.)

OPTIONAL BASE COURSE	OPTION CODE
7 1/2\"/>	
4\"/>	

REVISIONS												NAME		DATE		NAME		DATE		FLORIDA DEPARTMENT OF  TRANSPORTATION	 THE CIVIL DESIGN GROUP INC. ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA	TYPICAL    SECTIONS
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	FLB	11/93	DRAWN BY	DHB	11/93					
												CHECKED BY	HML	11/93		FLB	11/93					
												SUPERVISED BY	HUGH M. LOKEY, P.E.									

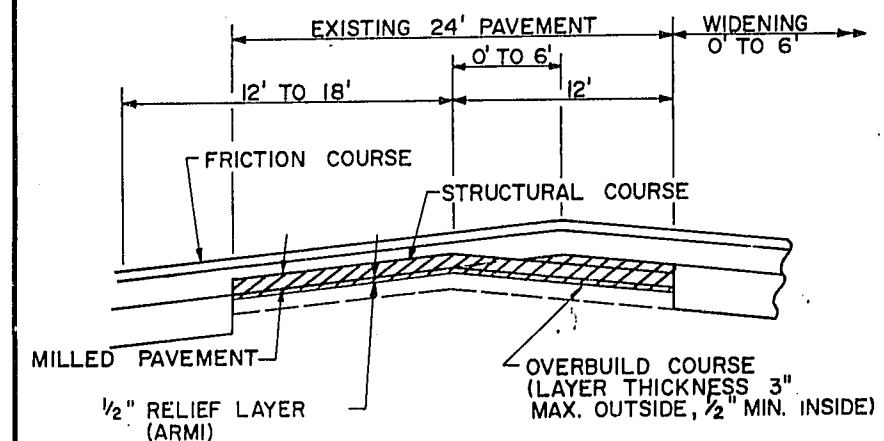


CURRENT YEAR 1991 ADT 6200  
 ESTIMATED OPENING YEAR 1995 ADT 7100 EST.  
 DESIGN YEAR 2015 ADT 11400 EST.  
 K=9.5% D=50.0%  
 T=28.1%  
 DESIGN SPEED 60 M.P.H.



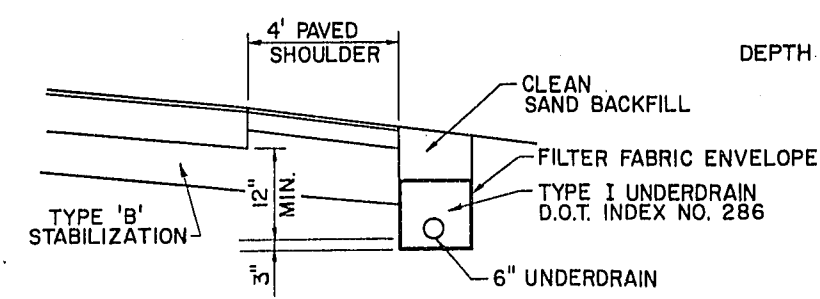
**TYPICAL SECTION NO. 3**  
 EAST BOUND PASSING LANE  
 STA. 688+00.00 TO STA. 755+20.00

NOTE: ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL EXISTING PAVEMENT WIDTH. CONTRACTOR MAY ELECT TO PLACE UNIFORM WIDTH BASE WIDENING STRIP AT NO ADDITIONAL COST.  
 PAVED SHOULDER TO HAVE CONTINUOUS GROUND-IN RUMBLE STRIPS, SEE DETAIL SHEET NO. 6.  
 TRANSVERSE PAVEMENT JOINTS MUST BE SAW CUT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



**MILLING & WIDENING DETAIL**  
 NTS

NOTE: FOR MILLING TAPER DETAIL SEE SHEET NO. 6



NOTE: FILTER FABRIC TO BE IN ACCORDANCE WITH INDEX 199 AND HAVE AN A.O.S. OF 40-70.

**ROADWAY UNDERDRAIN DETAIL**  
 NTS

FOR UNDERDRAIN LOCATION (SEE SUMMARY OF UNDERDRAIN SHT. NO. 8)

**MILLING AND OVERBUILD**  
 MILL EXISTING ASPHALT CONCRETE PAVEMENT (3.5" AVG. DEPTH) AND OVERBUILD WITH TYPE 'S' ASPHALTIC CONCRETE (175 LBS./S.Y. AVG. AND 300 LBS./S.Y. AVG.)

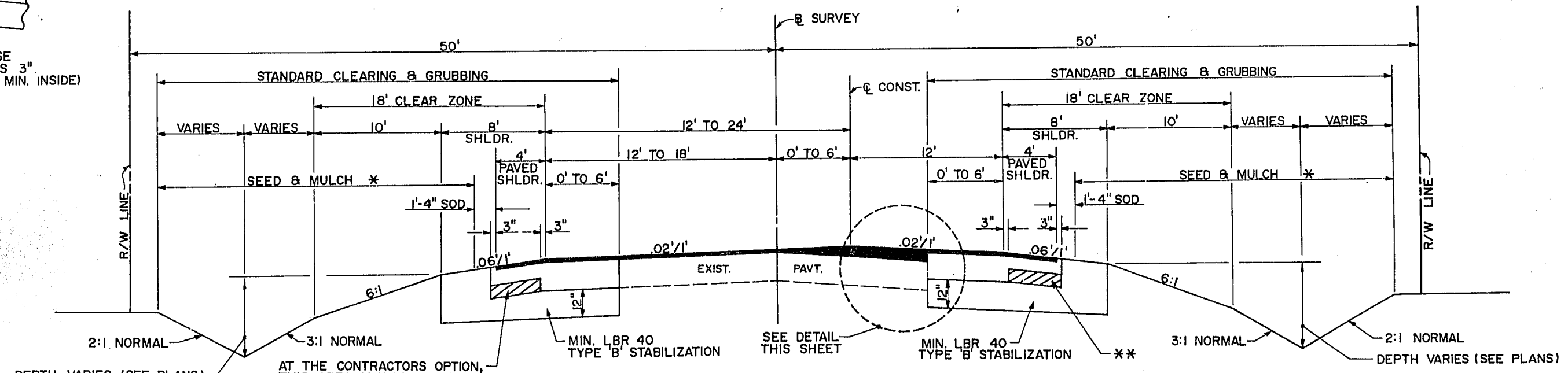
**RESURFACING**  
 1/2" ASPHALTIC RUBBER MEMBRANE INTERLAYER (RELIEF LAYER) AND TYPE 'S' STRUCTURAL COURSE (550 LBS./S.Y. AVG.) AND FRICTION COURSE FC-2 (5/8") (RUBBER)

**PAVEMENT WIDENING**  
 OPTIONAL BASE GROUP 10 (FOR THICKNESS SEE BELOW) WITH TYPE 'S' STRUCTURAL COURSE (350 LBS./S.Y. AVG.) AND FRICTION COURSE FC-2 (5/8") (RUBBER)

**OPTIONAL BASE COURSE** **OPTION CODE**  
 6 1/2" ASPHALTIC BASE COURSE (TYPE 3) 367

**ROADWAY SHOULDERS**  
 OPTIONAL BASE GROUP 03 (FOR THICKNESS SEE BELOW) WITH TYPE 'S' STRUCTURAL COURSE (150 LBS./S.Y. AVG.)

**OPTIONAL BASE COURSE** **OPTION CODE**  
 4" ASPHALTIC BASE COURSE (TYPE 3) 087



**TYPICAL SECTION NO. 4**  
 WEST BOUND PASSING LANE  
 STA. 779+80.00 TO STA. 847+00.00

**MILLING AND OVERBUILD**  
 MILL EXISTING ASPHALT CONCRETE PAVEMENT (3.5" AVG. DEPTH) AND OVERBUILD WITH TYPE 'S' ASPHALTIC CONCRETE (175 LBS./S.Y. AVG. AND 300 LBS./S.Y. AVG.)

**RESURFACING**  
 1/2" ASPHALTIC RUBBER MEMBRANE INTERLAYER (RELIEF LAYER) AND TYPE 'S' STRUCTURAL COURSE (450 LBS./S.Y. AVG.) AND FRICTION COURSE FC-2 (5/8") (RUBBER)

**PAVEMENT WIDENING**  
 OPTIONAL BASE GROUP 10 (FOR THICKNESS SEE BELOW) WITH TYPE 'S' STRUCTURAL COURSE (350 LBS./S.Y. AVG.) AND FRICTION COURSE FC-2 (5/8") (RUBBER)

**OPTIONAL BASE COURSE** **OPTION CODE**  
 6 1/2" ASPHALTIC BASE COURSE (TYPE 3) 367

**ROADWAY SHOULDERS**  
 OPTIONAL BASE GROUP 03 (FOR THICKNESS SEE BELOW) WITH TYPE 'S' STRUCTURAL COURSE (150 LBS./S.Y. AVG.)

**OPTIONAL BASE COURSE** **OPTION CODE**  
 4" ASPHALTIC BASE COURSE (TYPE 3) 087

FOR UNDERDRAIN LOCATION (SEE SUMMARY OF UNDERDRAIN DATA)												REVISIONS				DESIGNED BY				DRAWN BY				CHECKED BY				APPROVED BY				DATE				TYPICAL SECTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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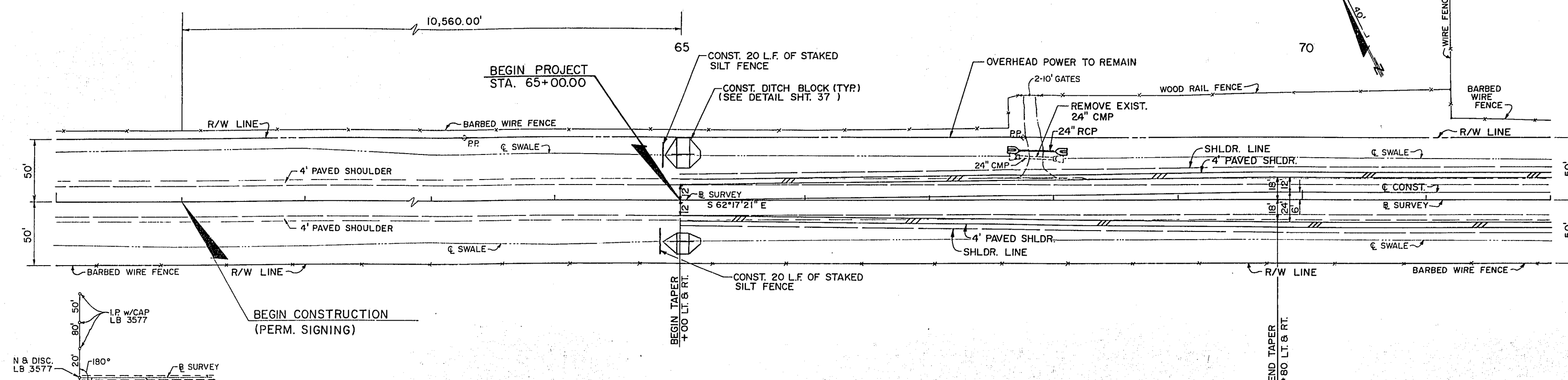
DESIGNED BY FLB 11/93 CHECKED BY HML 11/93 SUPERVISED BY HUGH M. LOKEY, P.E.	NAME FLB DATE 11/93 DRAWN BY DHB 11/93 CHECKED BY FLB 11/93	FLORIDA DEPARTMENT OF TRANSPORTATION APPROVED BY [Signature] DATE 1-11-95	CIVIL DESIGN GROUP ENGINEERS - ARCHITECTS - PLANNERS ORLANDO, FLORIDA	<b>TYPICAL SECTIONS</b>
---------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------	-------------------------





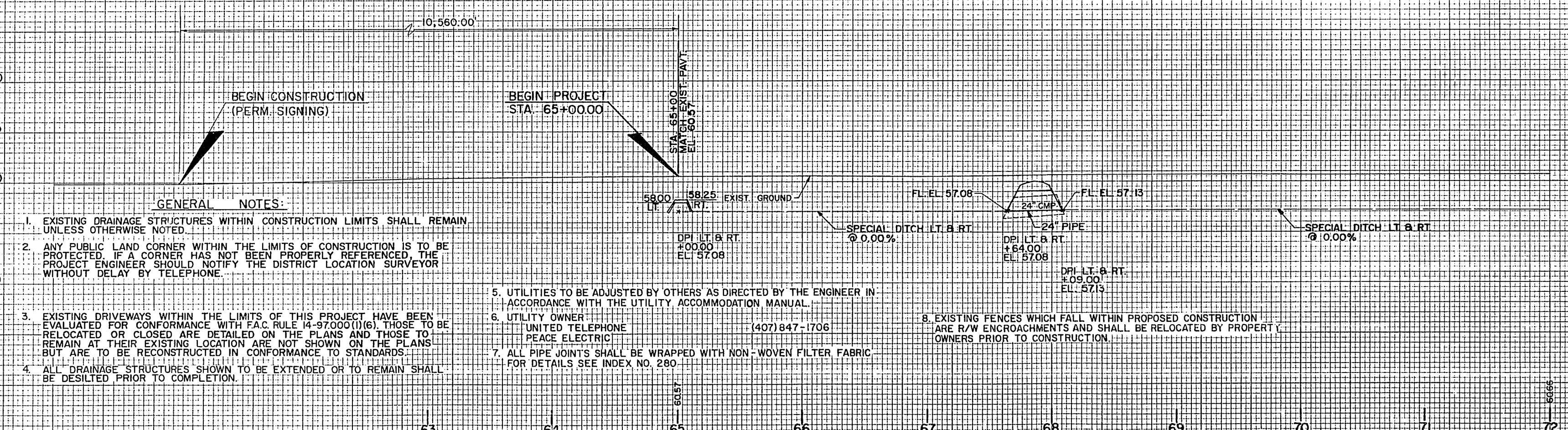


SECTION 12



BM NO. 60  
F.D.O.T. 4'x4' CM  
57.5' LT. STA. 60+00  
EL. 56.829

BM NO. 70  
F.D.O.T. 4'x4' CM  
58' LT. STA. 70+00  
EL. 58.577



- GENERAL NOTES:**
- EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
  - ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER HAS NOT BEEN PROPERLY REFERENCED, THE PROJECT ENGINEER SHOULD NOTIFY THE DISTRICT LOCATION SURVEYOR WITHOUT DELAY BY TELEPHONE.
  - EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT HAVE BEEN EVALUATED FOR CONFORMANCE WITH F.A.C. RULE 14-97.000(1)(6). THOSE TO BE RELOCATED OR CLOSED ARE DETAILED ON THE PLANS AND THOSE TO REMAIN AT THEIR EXISTING LOCATION ARE NOT SHOWN ON THE PLANS BUT ARE TO BE RECONSTRUCTED IN CONFORMANCE TO STANDARDS.
  - ALL DRAINAGE STRUCTURES SHOWN TO BE EXTENDED OR TO REMAIN SHALL BE DESILTED PRIOR TO COMPLETION.
  - UTILITIES TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH THE UTILITY ACCOMMODATION MANUAL.
  - UTILITY OWNER: UNITED TELEPHONE (407) 847-1706  
PEACE ELECTRIC
  - ALL PIPE JOINTS SHALL BE WRAPPED WITH NON-WOVEN FILTER FABRIC FOR DETAILS SEE INDEX NO. 280
  - EXISTING FENCES WHICH FALL WITHIN PROPOSED CONSTRUCTION ARE R/W ENCROACHMENTS AND SHALL BE RELOCATED BY PROPERTY OWNERS PRIOR TO CONSTRUCTION.

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

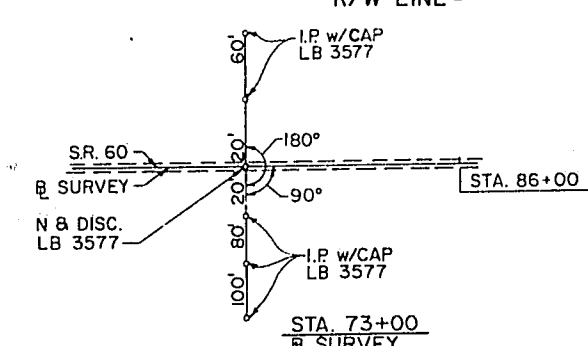
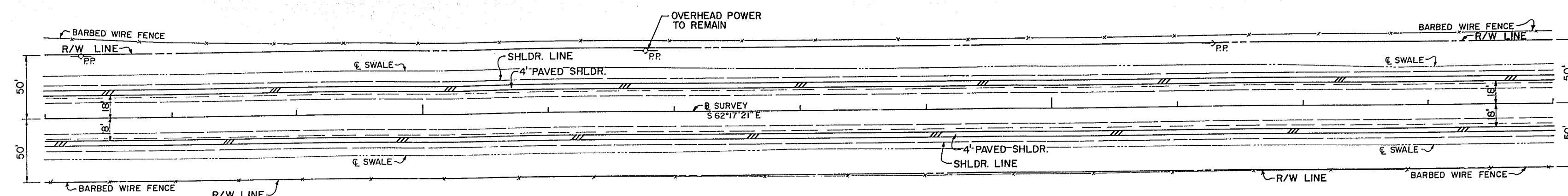
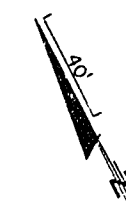
DESIGNED BY GEF	DATE 1/93	DRAWN BY DHB	DATE 1/93	APPROVED BY <i>[Signature]</i>	DATE 1-11-95	FLORIDA DEPARTMENT OF TRANSPORTATION	CIVIL DESIGN GROUP ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA	PLAN / PROFILE
CHECKED BY FLB	DATE 1/93	CHECKED BY GEF	DATE 1/93					
SUPERVISED BY HUGH M. LOKEY, RE.								



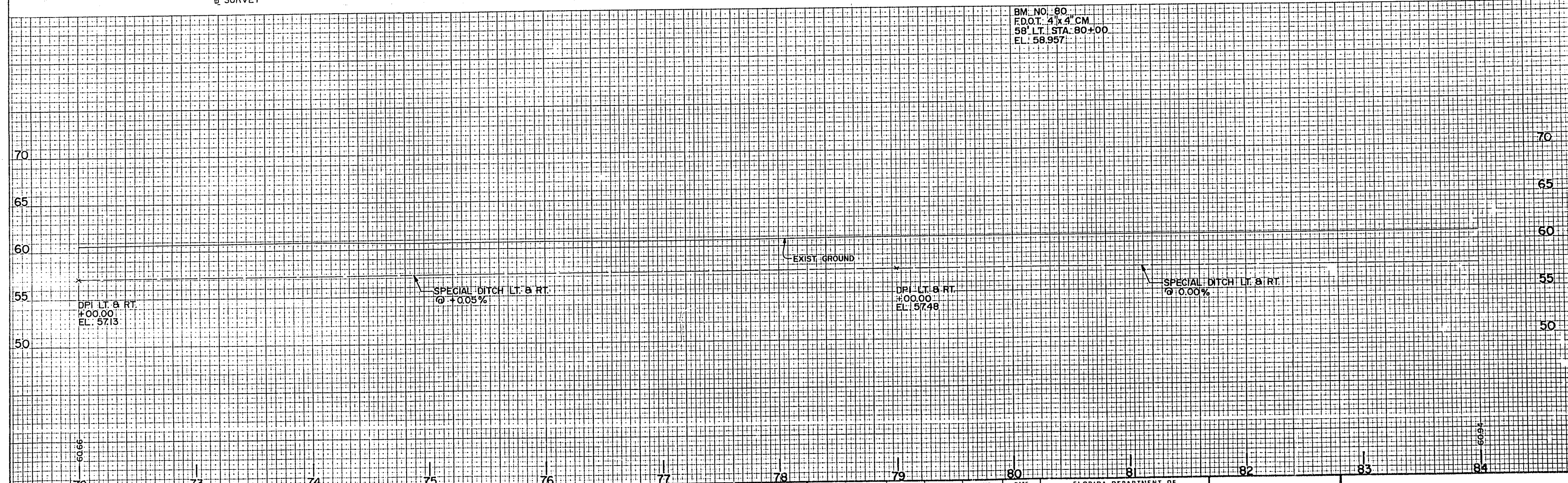
SECTION 12



75

80



BM. NO. 80  
F.D.O.T. 4'x4' CM  
58' LT. STA. 80+00  
EL. 58.957



REVISIONS												NAME				DATE				NAME				DATE				FLORIDA DEPARTMENT OF TRANSPORTATION						CIVIL DESIGN GROUP				ENGINEERS • SURVEYORS • PLANNERS				ORLANDO, FLORIDA				PLAN / PROFILE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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CHECKED BY: FLB 1/93  
DRAWN BY: DHB 1/93  
SUPERVISED BY: HUGH M. LOKEY, P.E.

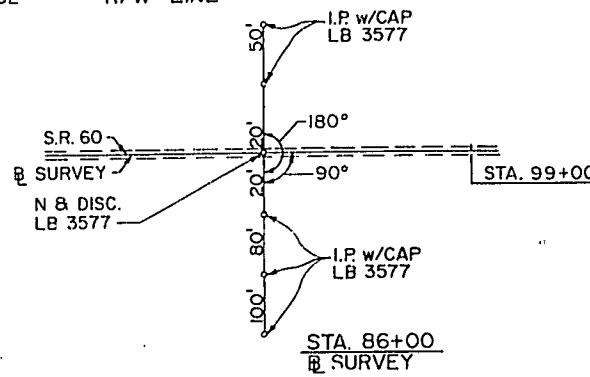
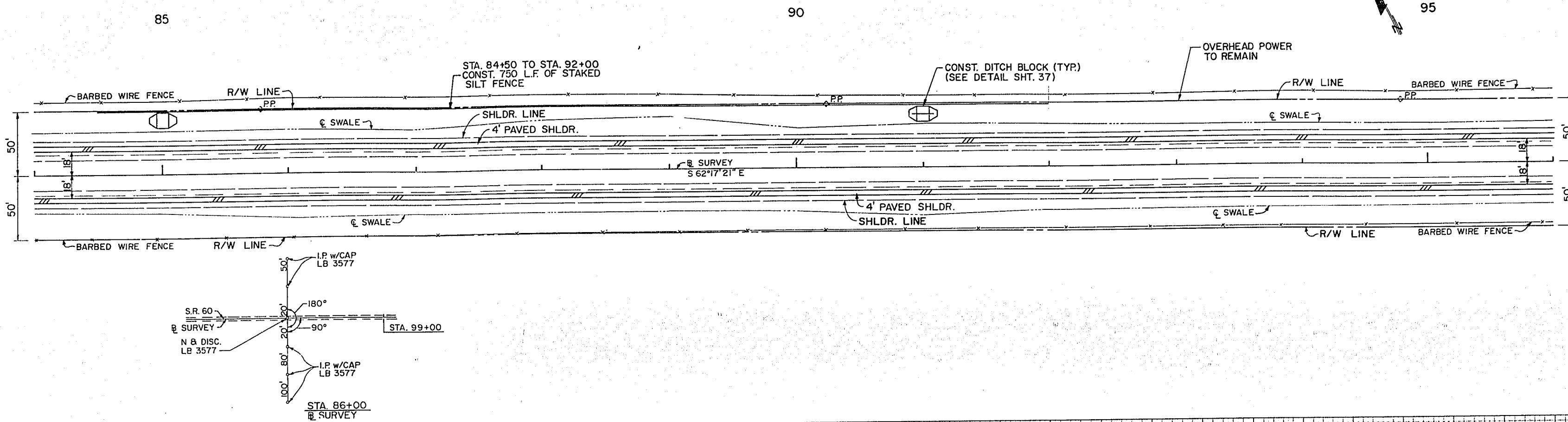
APPROVED BY: [Signature]  
DATE: 1-11-95

CIVIL DESIGN GROUP  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

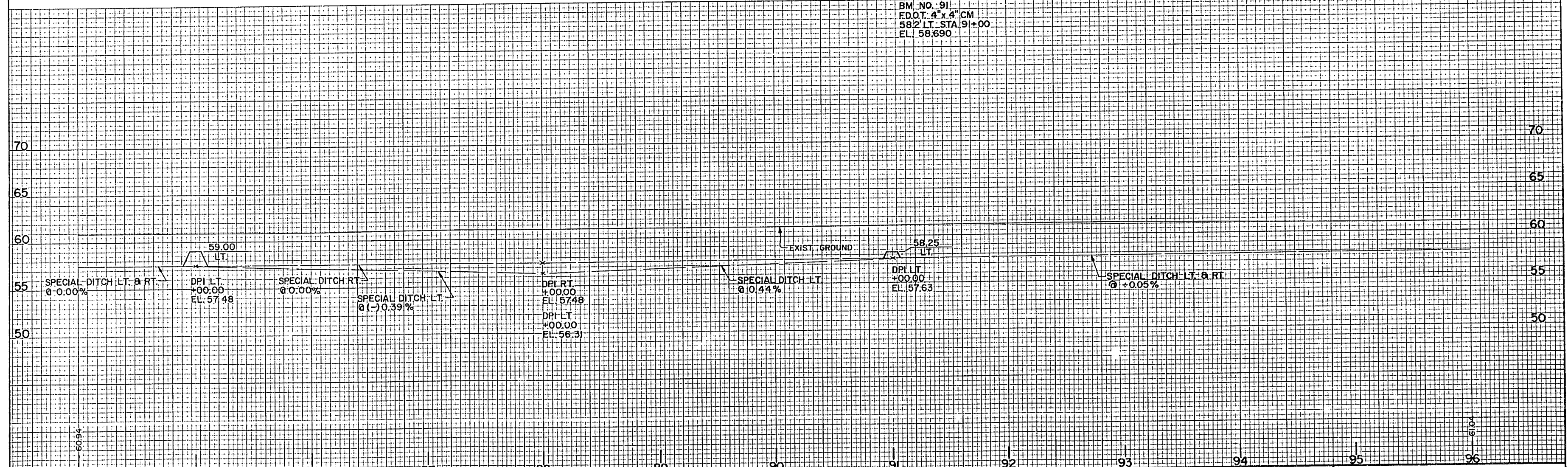
PLAN / PROFILE




SECTION 12

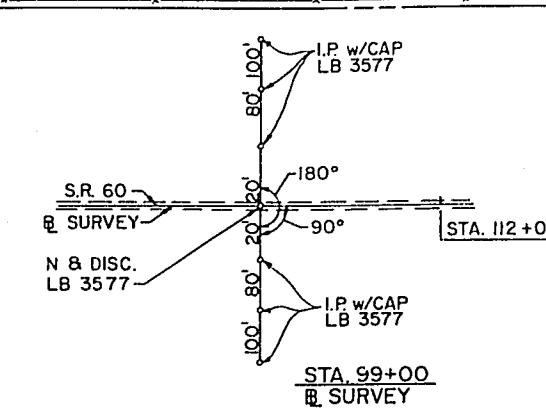
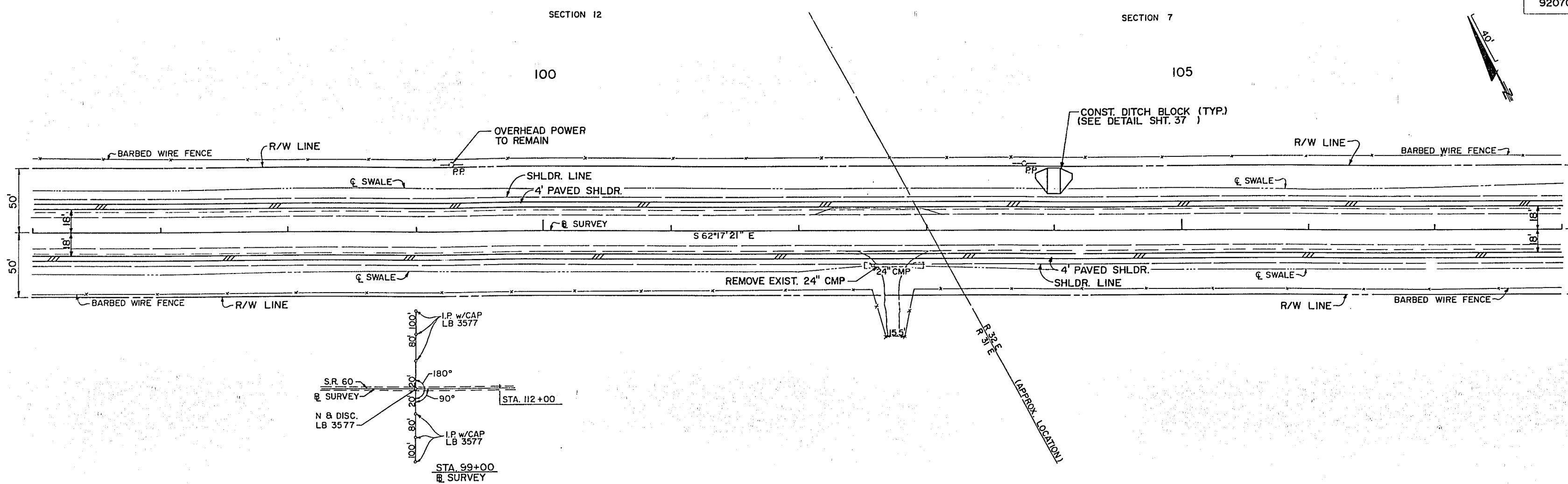


BM. NO. 91  
F.D.D.T. 4'x4' CM  
58.2' LT. STA. 91+00  
EL. 58.690

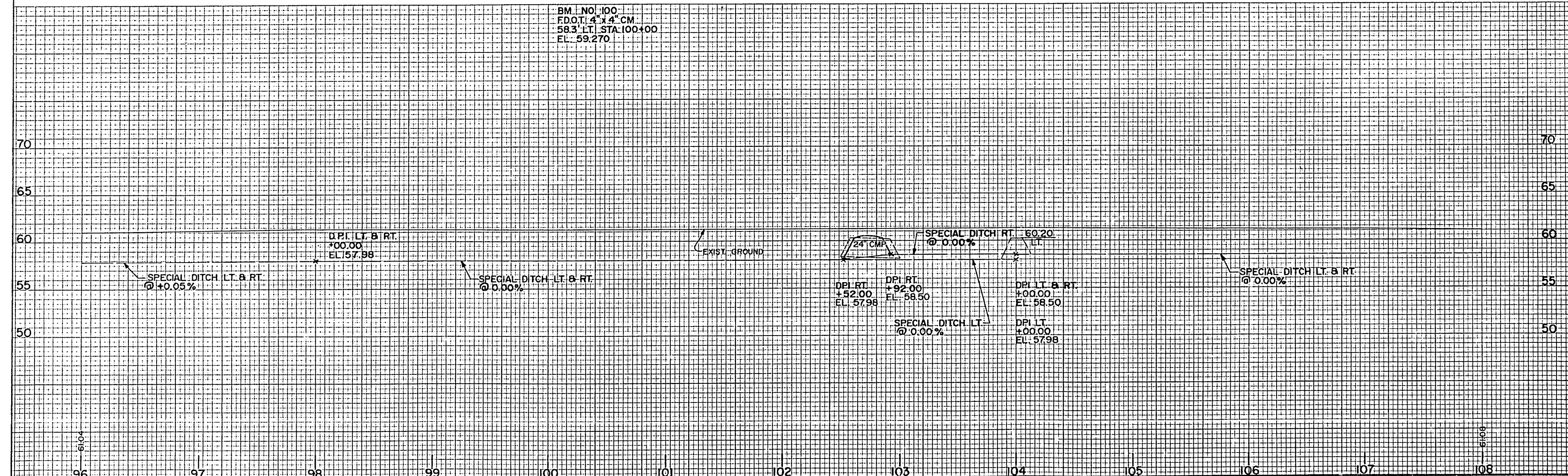



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BM. NO. 100  
F.D.O.T. 4' x 4' CM  
58.3' LT. STA. 100+00  
EL. 59.270

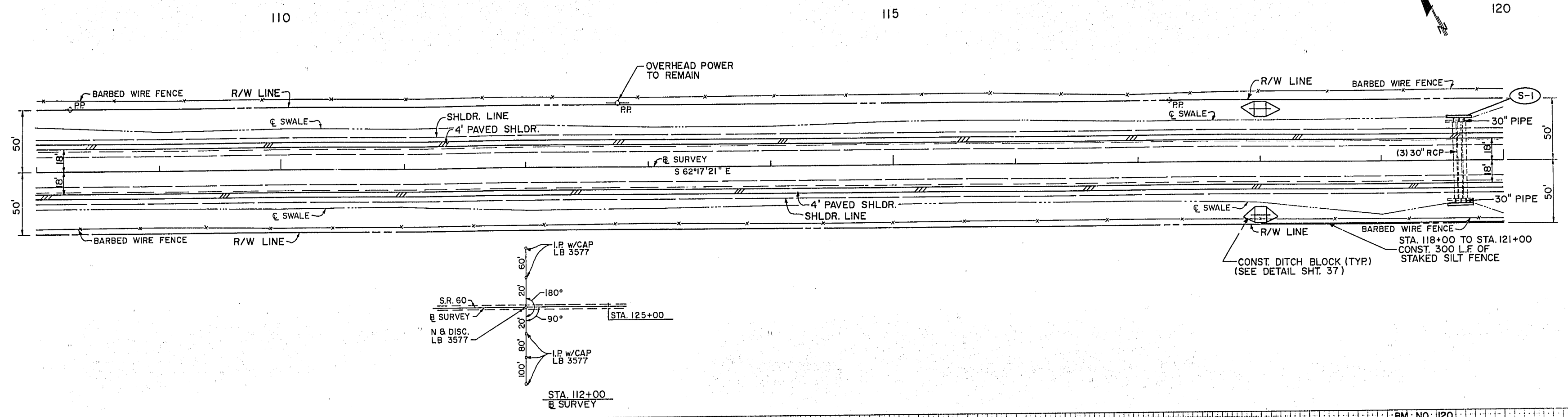


REVISIONS												NAME		DATE		NAME		DATE		FLORIDA DEPARTMENT OF TRANSPORTATION			THE CIVIL DESIGN GROUP ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA	PLAN / PROFILE
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE	APPROVED BY	DATE					
												GEF	1/93		DHB	1/93								
												CHECKED BY	FLB	1/93	CHECKED BY	GEF	1/93							
												SUPERVISED BY		HUGH M. LOKEY, PE.								DATE 1-14-93		

PLAN / PROFILE

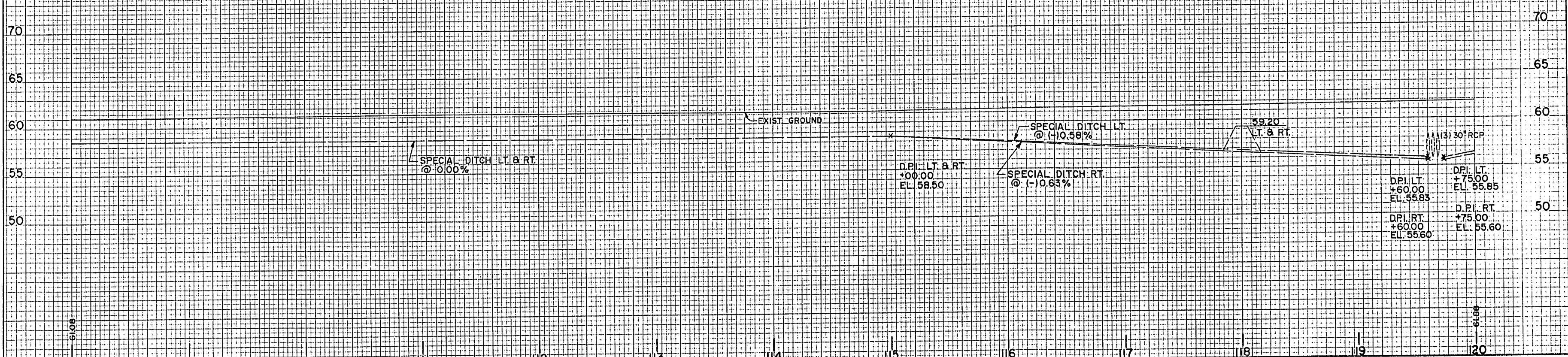


SECTION 7



BM. NO. 110  
F.D.O.T. 4" x 4" CM  
59.1 LT. STA. 110+00  
EL. 60.814

BM. NO. 120  
F.D.O.T. 4" x 4" CM  
59.5 LT. STA. 120+00  
EL. 57.829



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SUPERVISED BY: HUGH M. LOKEY, P.E.

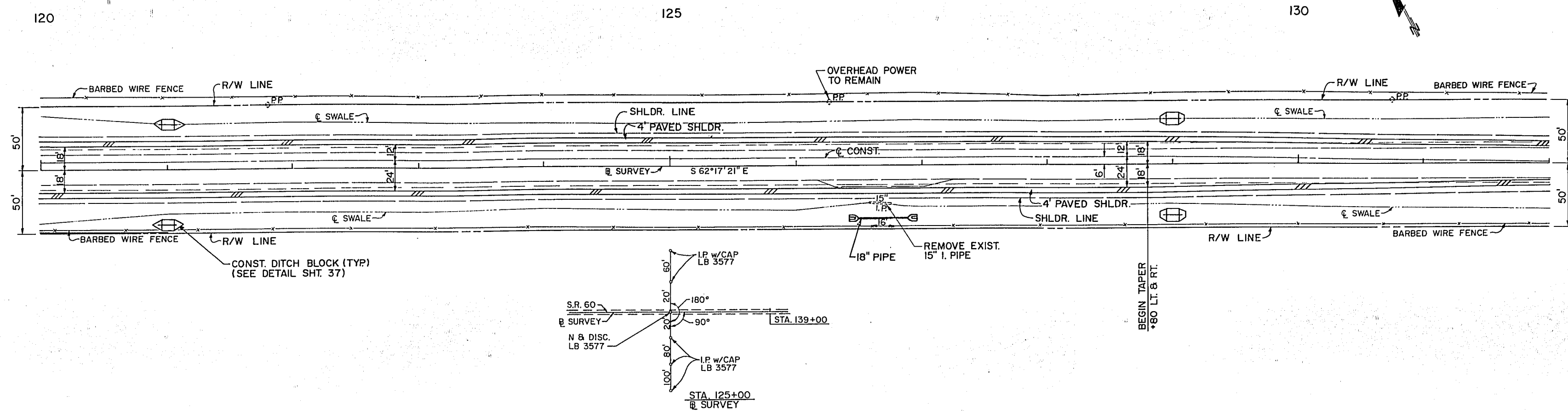
FLORIDA DEPARTMENT OF TRANSPORTATION  
DATE 1-11-93

CIVIL DESIGN GROUP  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

PLAN / PROFILE

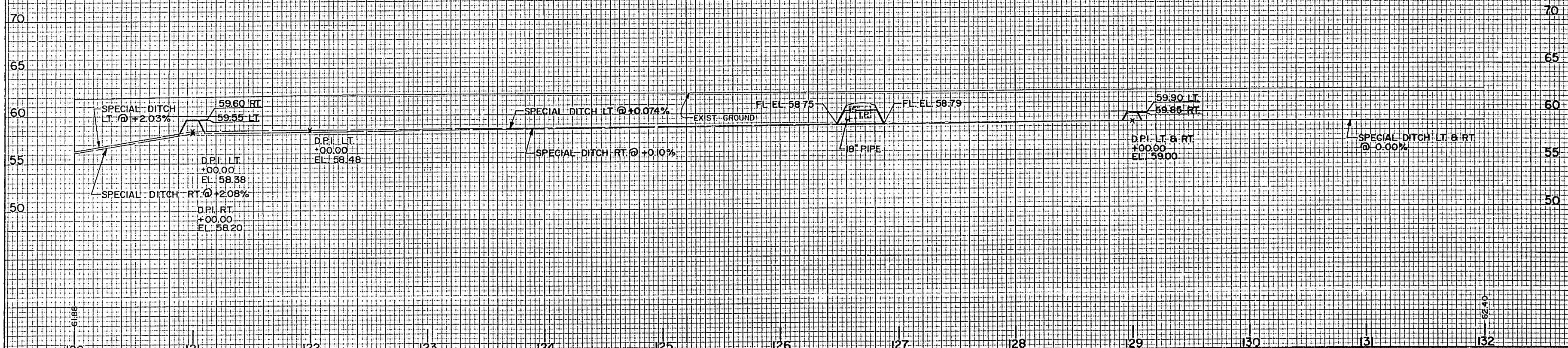


SECTION 7



BM. NO. 120  
F.D.O.T. 4'x4' CM  
59.5' LT. STA. 120+00  
EL. 57.829

BM. NO. 130  
F.D.O.T. 4'x4' CM  
59' LT. STA. 130+00  
EL. 61.037



REVISIONS				DESIGNED BY				DRAWN BY				APPROVED BY				DATE			
DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION	

DESIGNED BY: GEF  
CHECKED BY: FLB  
DATE: 1/93  
DRAWN BY: DHB  
CHECKED BY: GEF  
DATE: 1/93  
SUPERVISED BY: HUGH M. LOKEY, P.E.

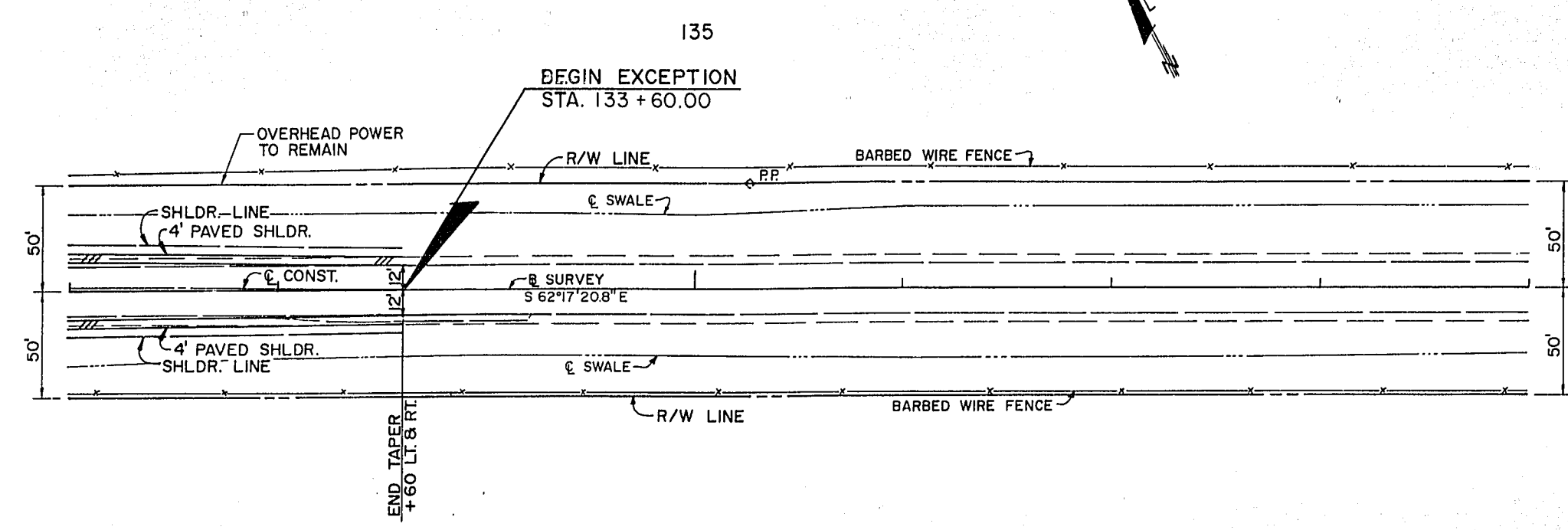
FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED BY: [Signature]  
DATE: 1-11-95

CIVIL DESIGN GROUP  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

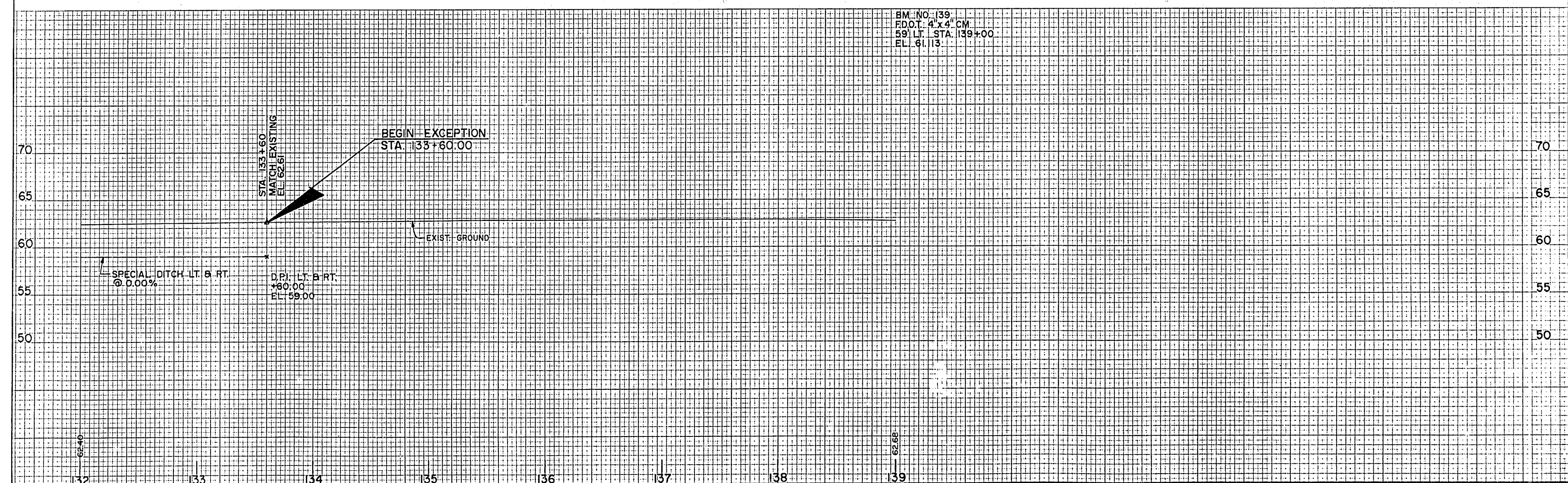
PLAN / PROFILE




SECTION 7



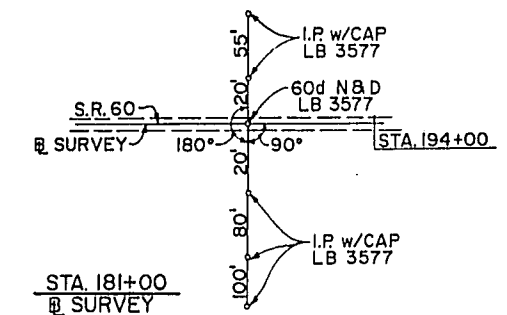
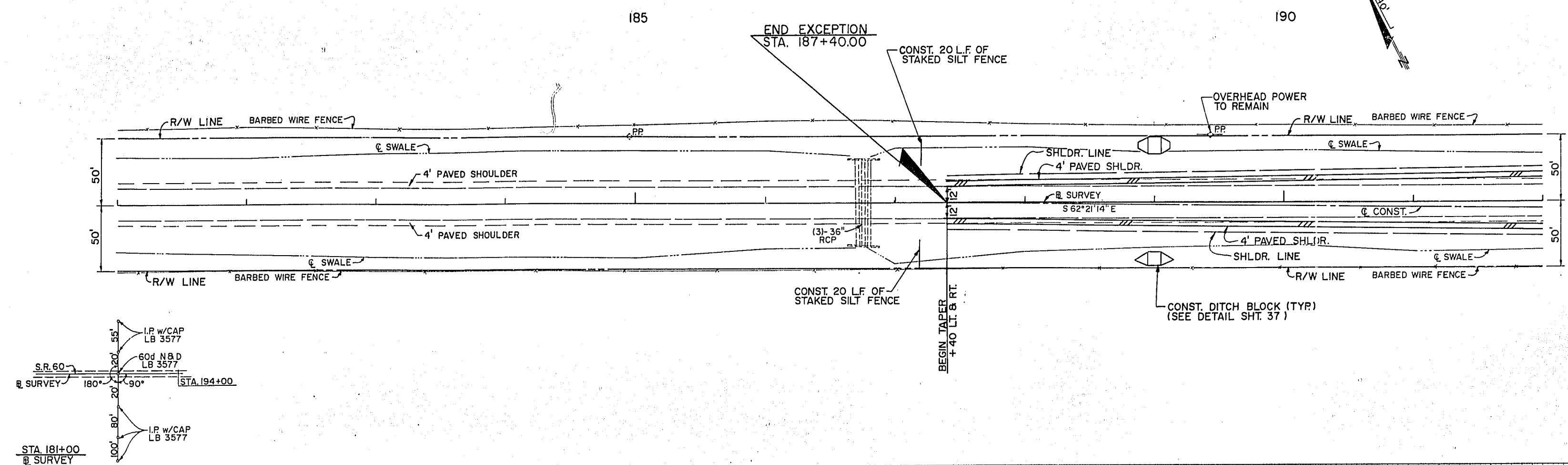
BM NO. 139  
 FDOT 4"x4" CM  
 59' LT. STA. 139+00  
 EL. 61.113



REVISIONS												DESIGNED BY				CHECKED BY				SUPERVISED BY				FLORIDA DEPARTMENT OF TRANSPORTATION				CIVIL DESIGN GROUP		PLAN / PROFILE
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	NAME	DATE	NAME	DATE	NAME	DATE	APPROVED BY	DATE	ENGINEERS • SURVEYORS • PLANNERS	ORLANDO, FLORIDA									
												GEF	1/93	DHB	1/93	FLB	1/93		1-11-95											
												SUPERVISED BY: HUGH M. LOKEY, P.E.																		

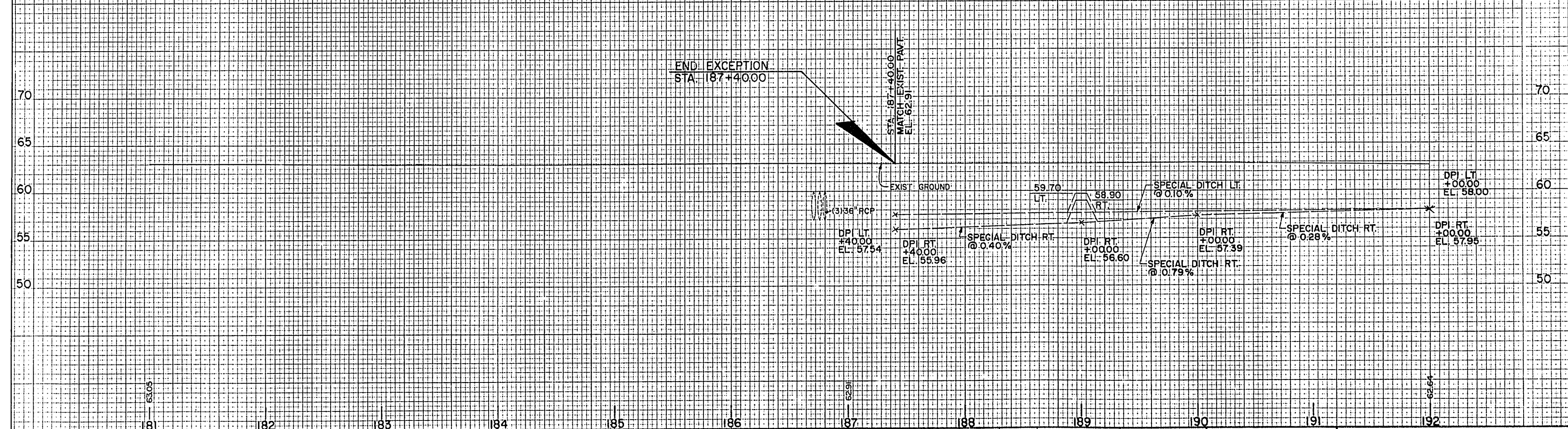


SECTION 17



BM NO. 181  
F.D.O.T. 4' x 4' CM  
53 RT. STA 181+00  
EL. 58.769

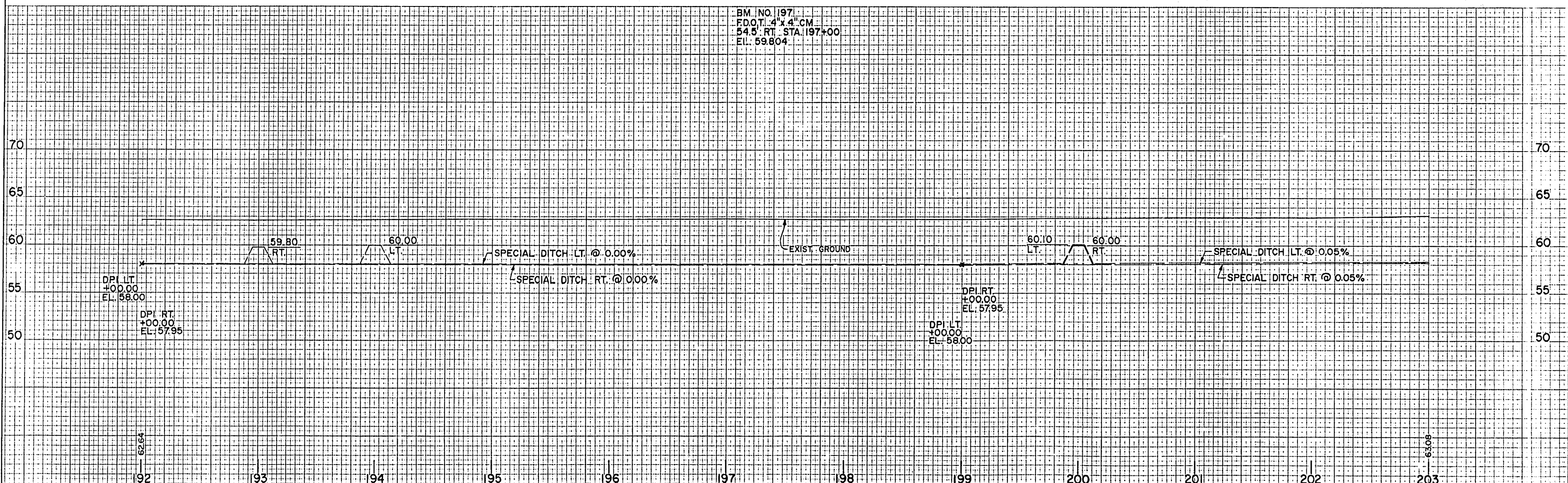
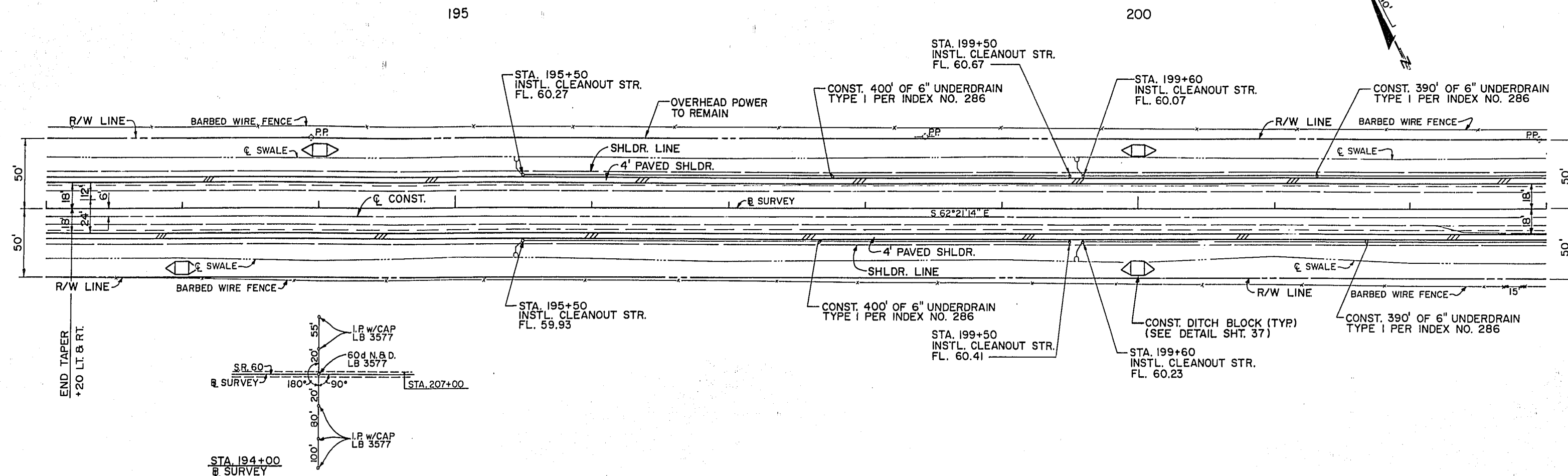
BM NO. 189  
F.D.O.T. 4' x 4' CM  
51.7 RT. STA 189+00  
EL. 58.889



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	NAME	DATE	NAME	DATE	FLORIDA DEPARTMENT OF TRANSPORTATION	CIVIL DESIGN GROUP	PLAN / PROFILE
												DESIGNED BY GEF	1/93	DRAWN BY DHB	1/93	APPROVED BY	DATE 1-11-95	
												CHECKED BY FLB	1/93	CHECKED BY GEF	1/93			
												SUPERVISED BY HUGH M. LOKEY, P.E.						



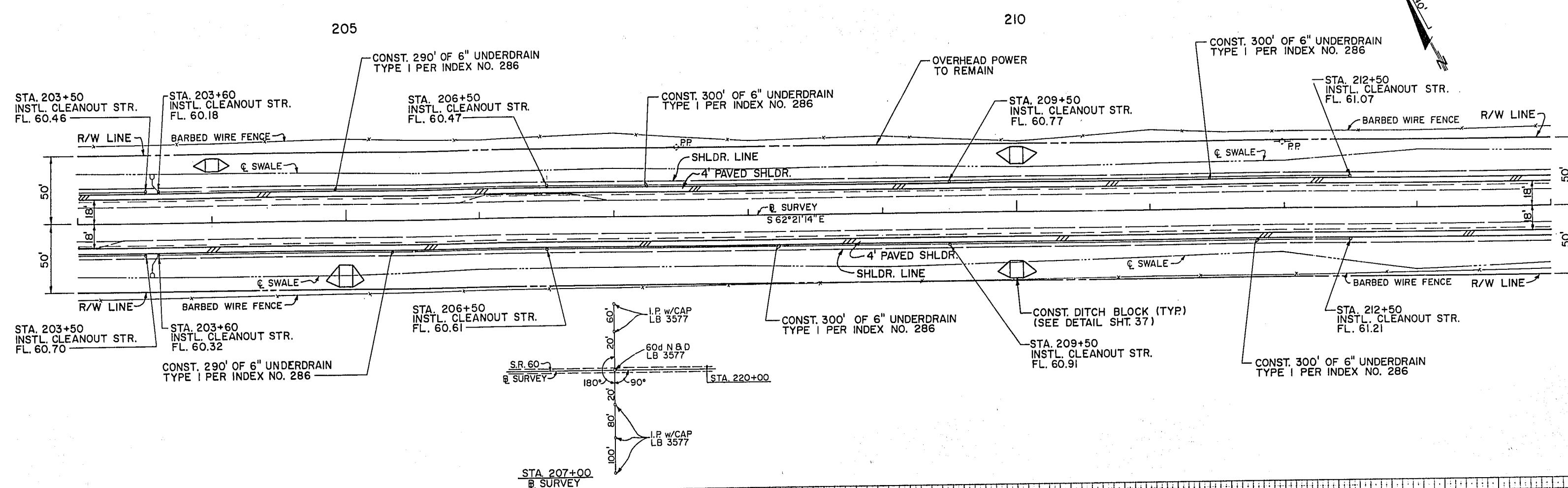
SECTION 17



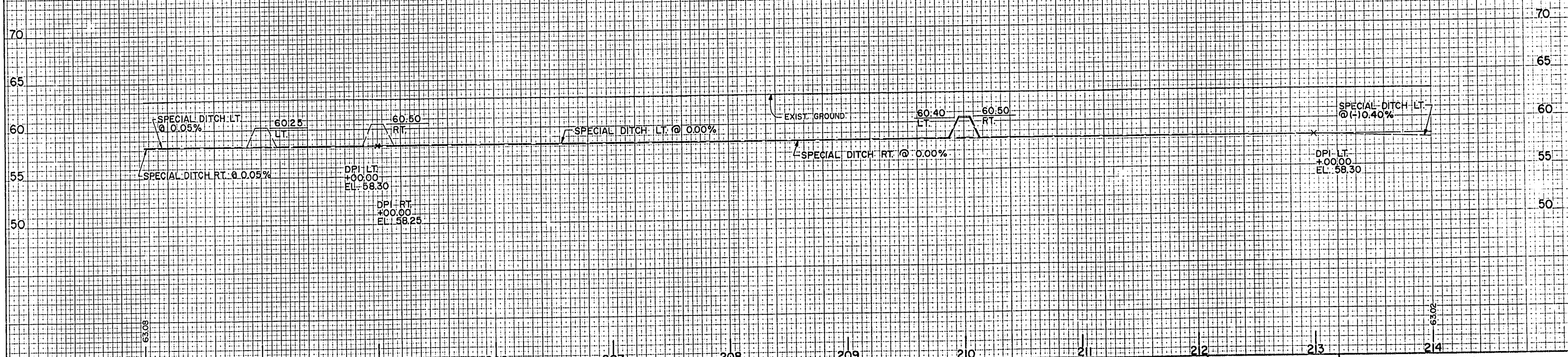
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE	CHECKED BY	NAME	DATE	APPROVED BY	DATE	FLORIDA DEPARTMENT OF TRANSPORTATION	CIVIL DESIGN GROUP	PLAN / PROFILE
												GEF	1/93	FLB	1/93	DHB	1/93	GEF	1/93		1-11-95				



SECTION 17



BM. NO. 207  
F.D.O.T. 4' x 4' CM  
53.5 RT. STA. 207+00  
EL. 60.602

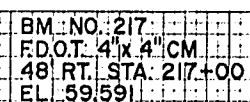


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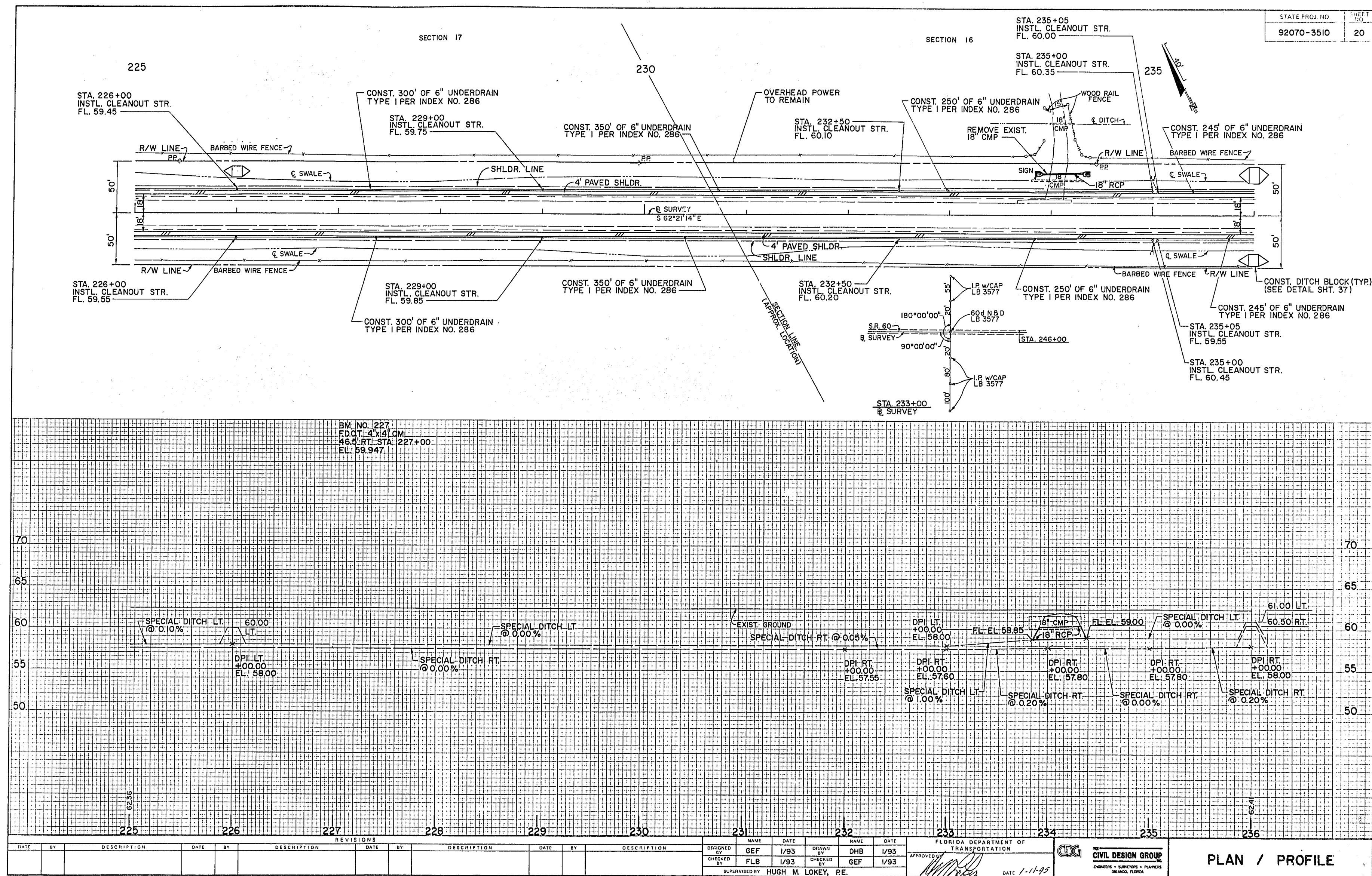
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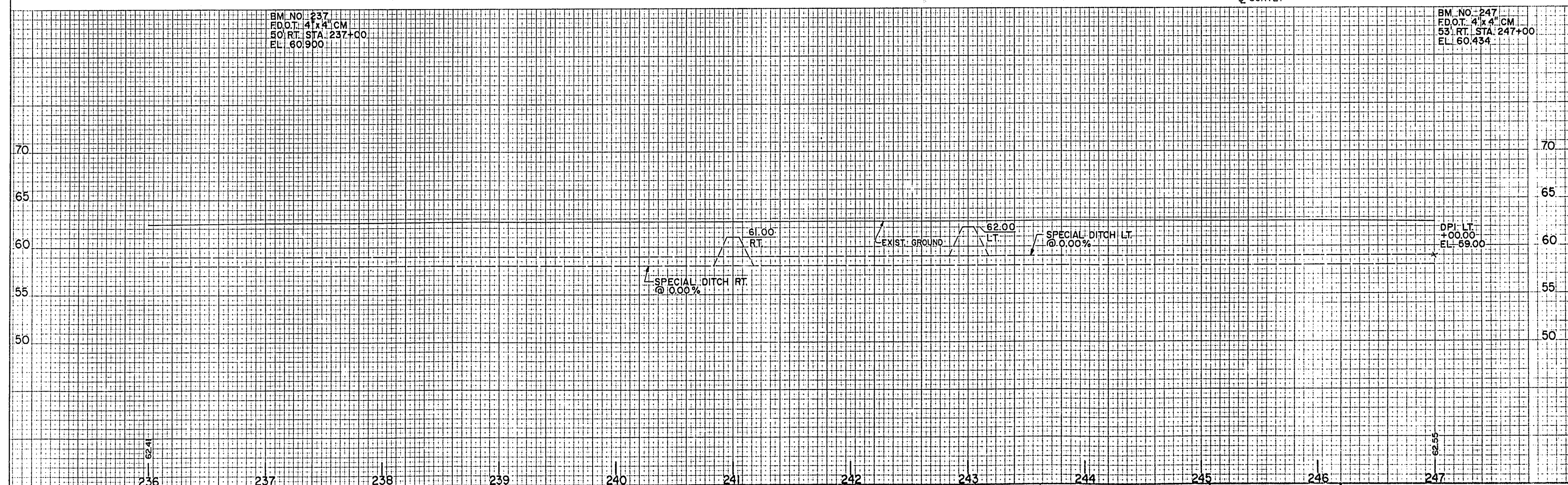
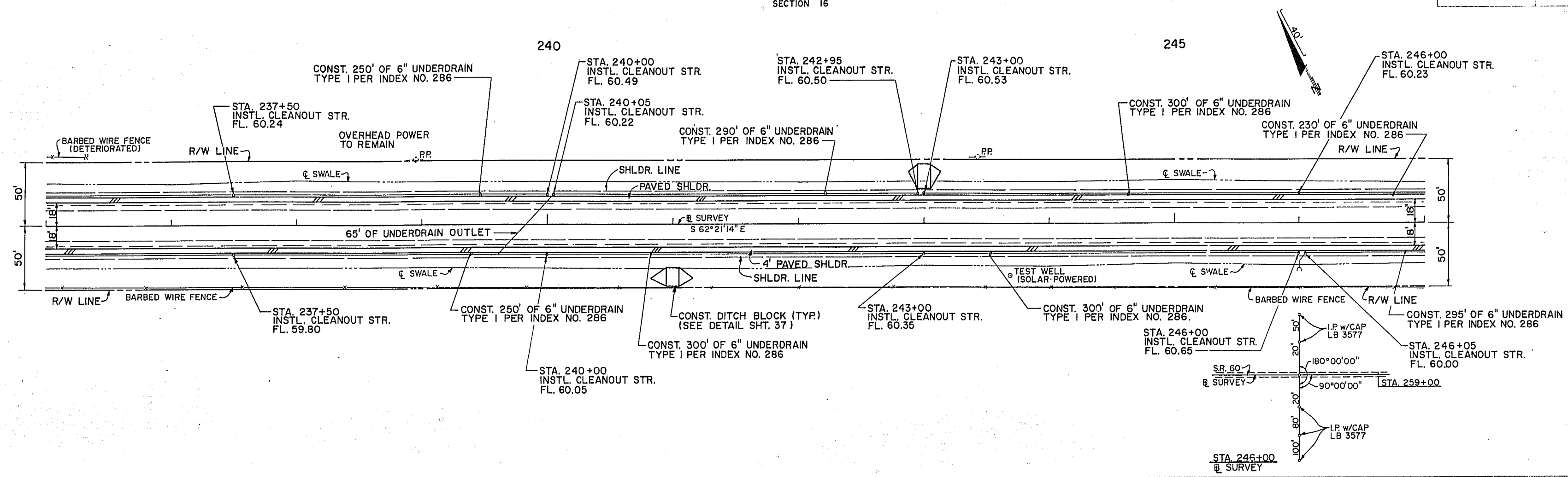
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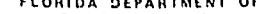








SECTION 16



REVISIONS												DESIGNED				DRAWN				CHECKED				SUPERVISED				APPROVED			
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												GEF	1/93	DHB	1/93	FLB	1/93	GEF	1/93												
												SUPERVISED BY HUGH M. LOKEY, P.E.								APPROVED BY 				DATE 1-11-93							

FLORIDA DEPARTMENT OF TRANSPORTATION						THE CIVIL DESIGN GROUP ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA
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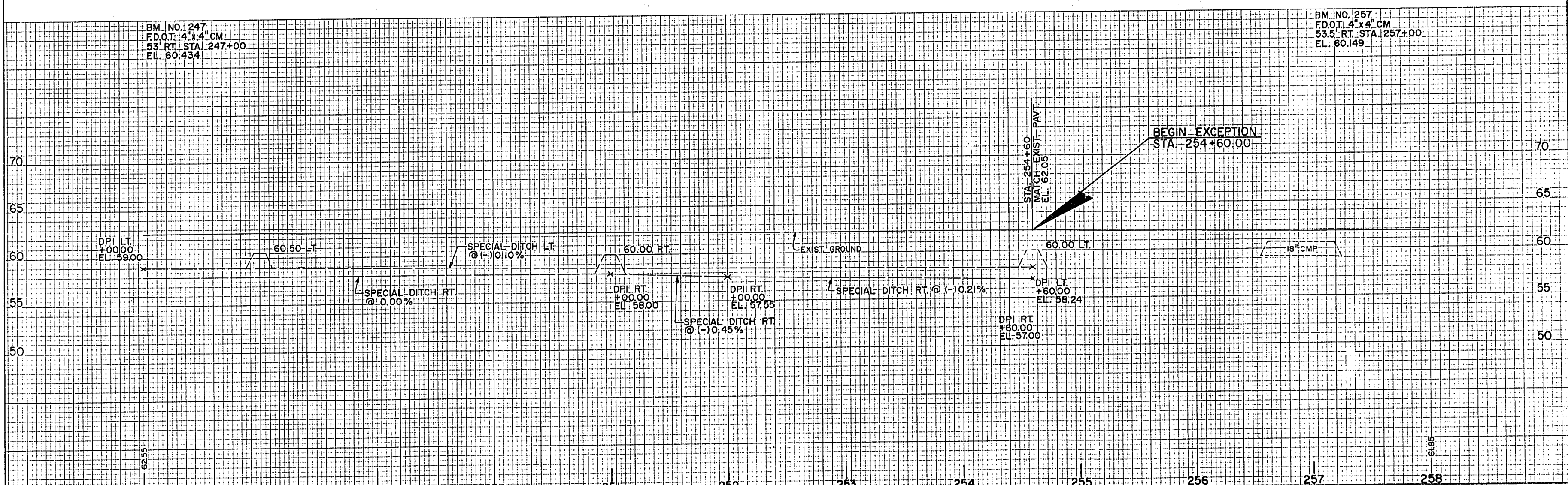
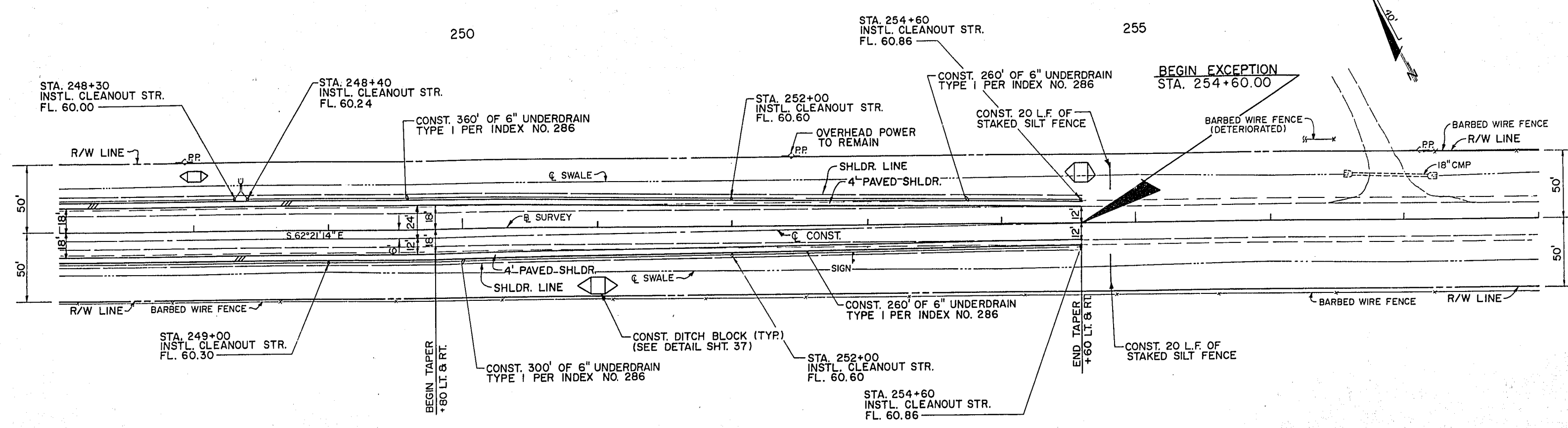
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SECTION 16



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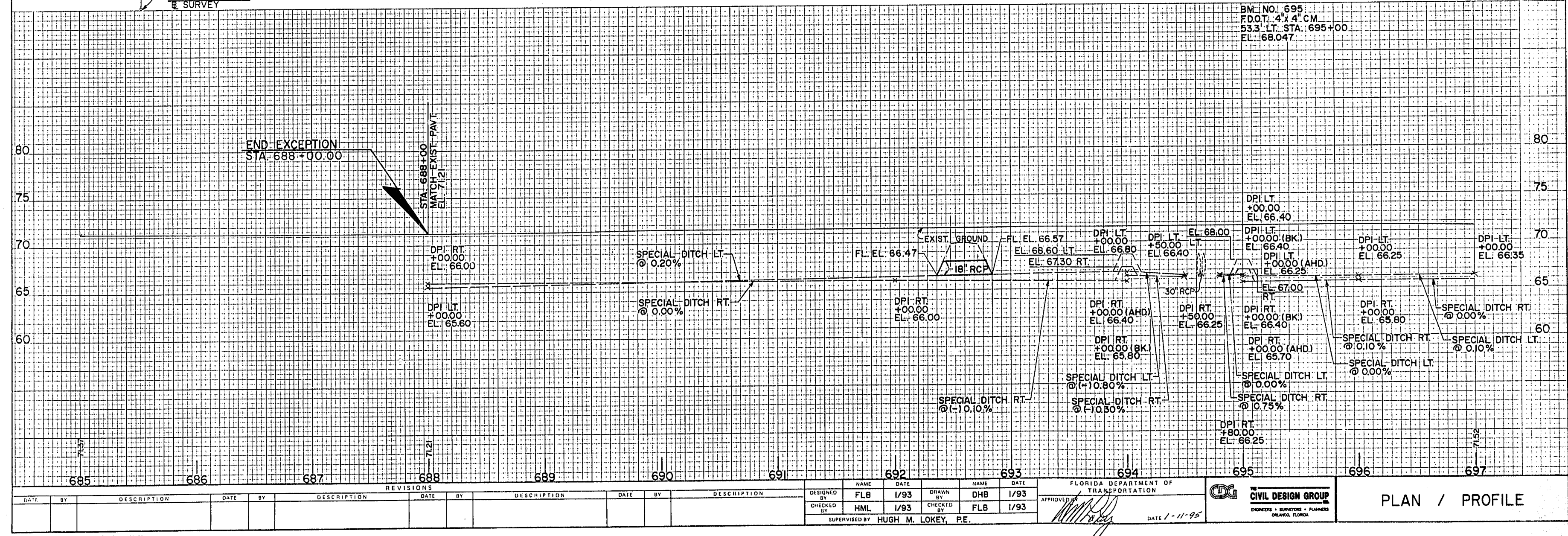
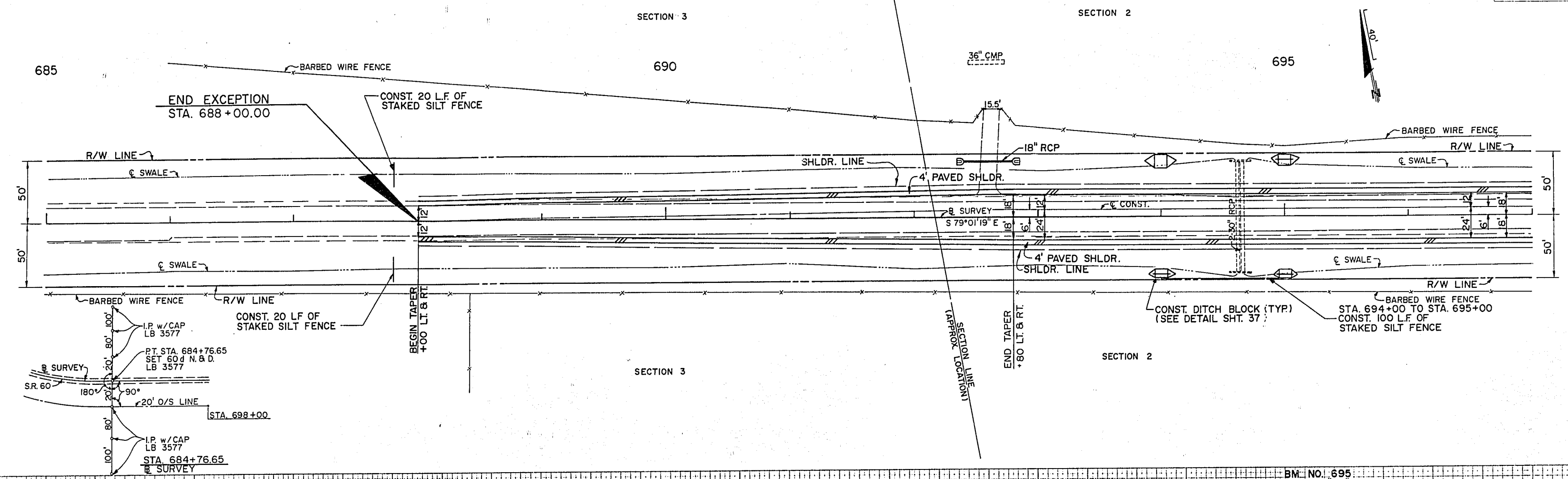
  




DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
GEF	1/93	DHB	1/93	FLB	1/93		

FLORIDA DEPARTMENT OF TRANSPORTATION	CIVIL DESIGN GROUP	PLAN / PROFILE
SUPERVISED BY HUGH M. LOKEY, P.E.		DATE 1-11-95





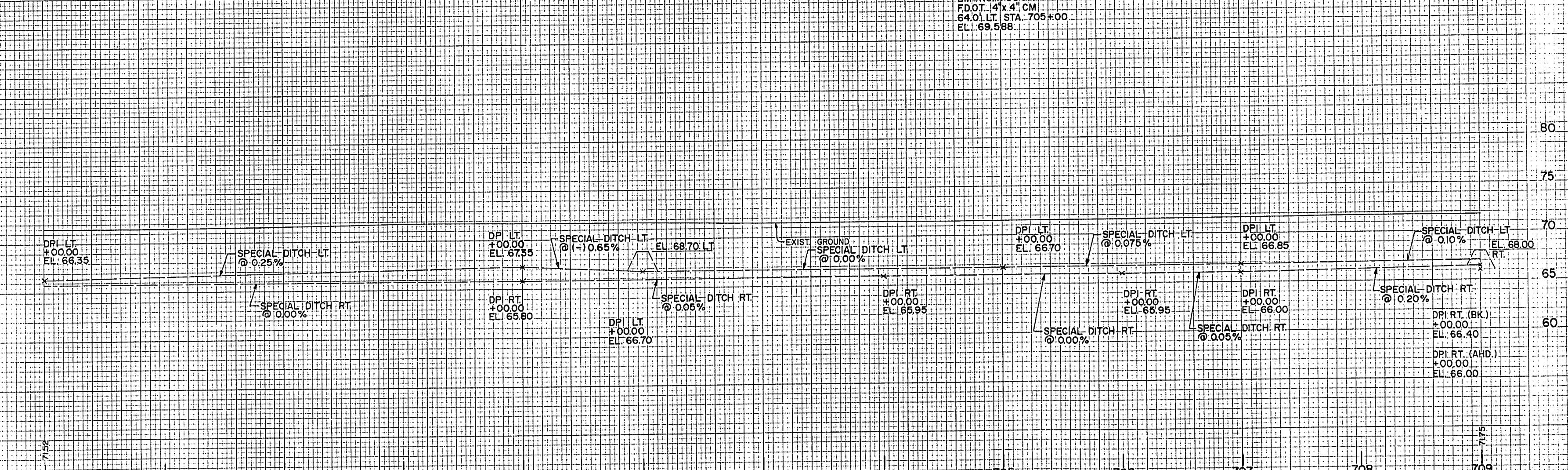
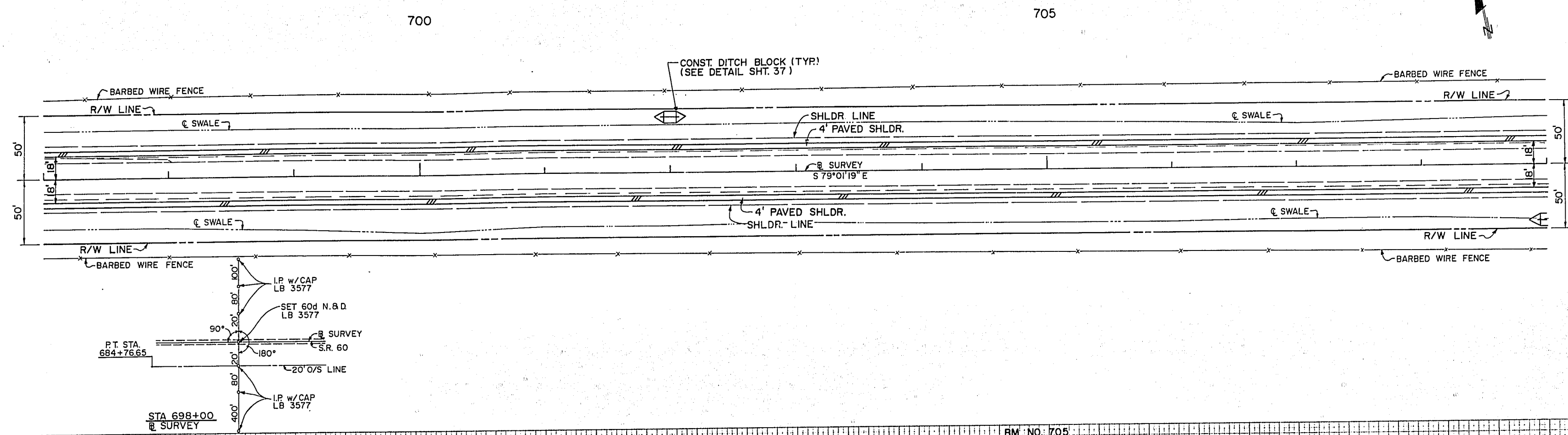
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SUPERVISED BY HUGH M. LOKEY, P.E.												APPROVED BY 		DATE 1-11-95					



FLORIDA DEPARTMENT OF TRANSPORTATION  
**CIVIL DESIGN GROUP**  
 DIRECTOR - SURVEYORS - PLANNERS  
 ORLANDO, FLORIDA

PLAN / PROFILE



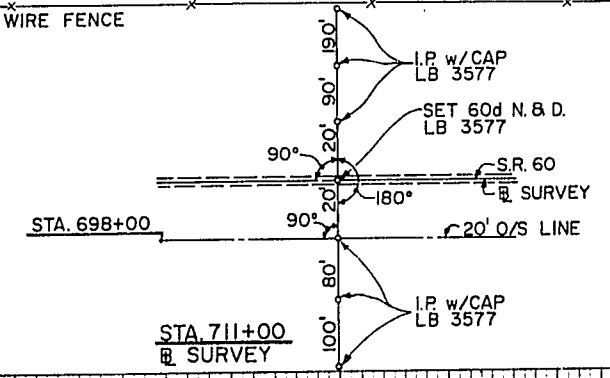
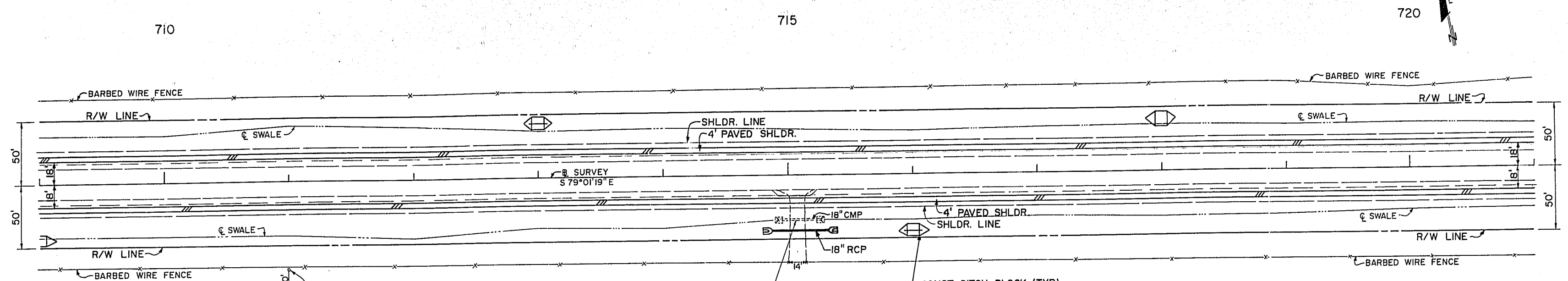
SECTION 2



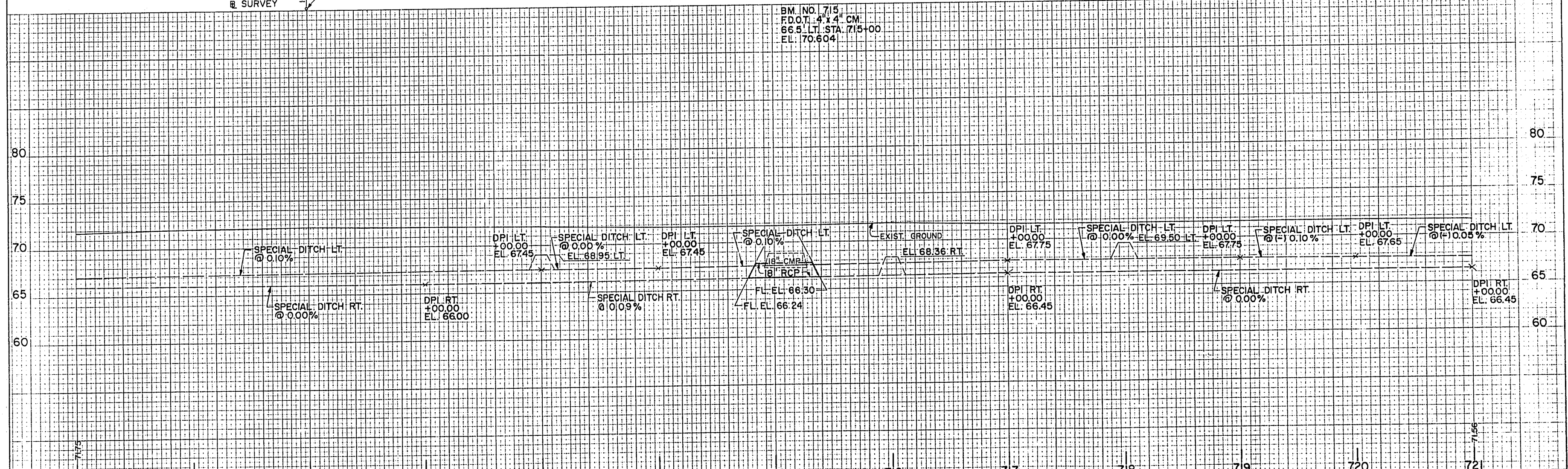
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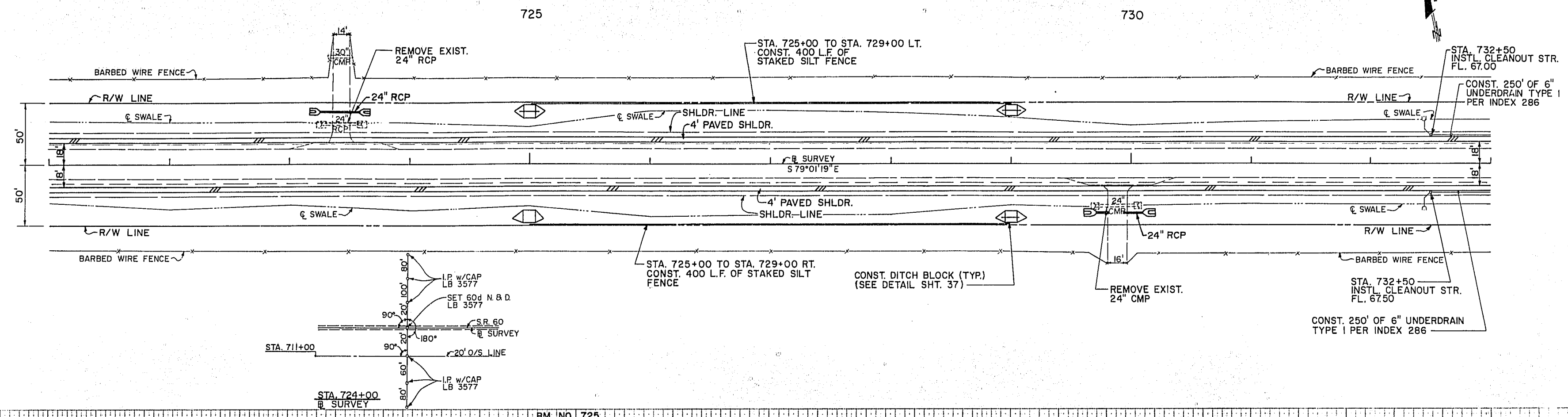
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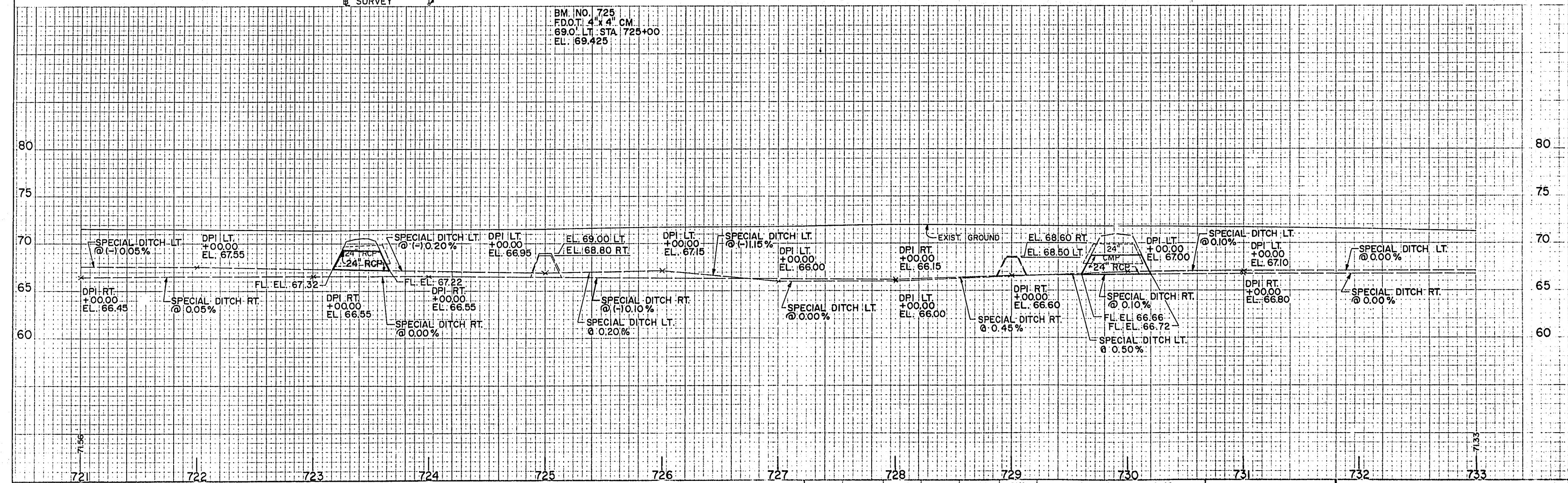
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SECTION 2



BM. NO. 725  
F.D.O.T. 4' x 4' CM.  
69.0' LT. STA. 725+00  
EL. 69.425



REVISIONS				DESIGNER'S CHECK				DRAWN BY				CHECKED BY				APPROVED BY			
NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY
1	1/93	DESIGNED BY	FLB	1	1/93	DRAWN BY	DHB	1	1/93	CHECKED BY	FLB	1	1/93	APPROVED BY		1	1/93		
2	1/93	CHECKED BY	HML	2	1/93	CHECKED BY	FLB	2	1/93	APPROVED BY		2	1/93			2	1/93		

SUPERVISED BY HUGH M. LOKEY, P.E.

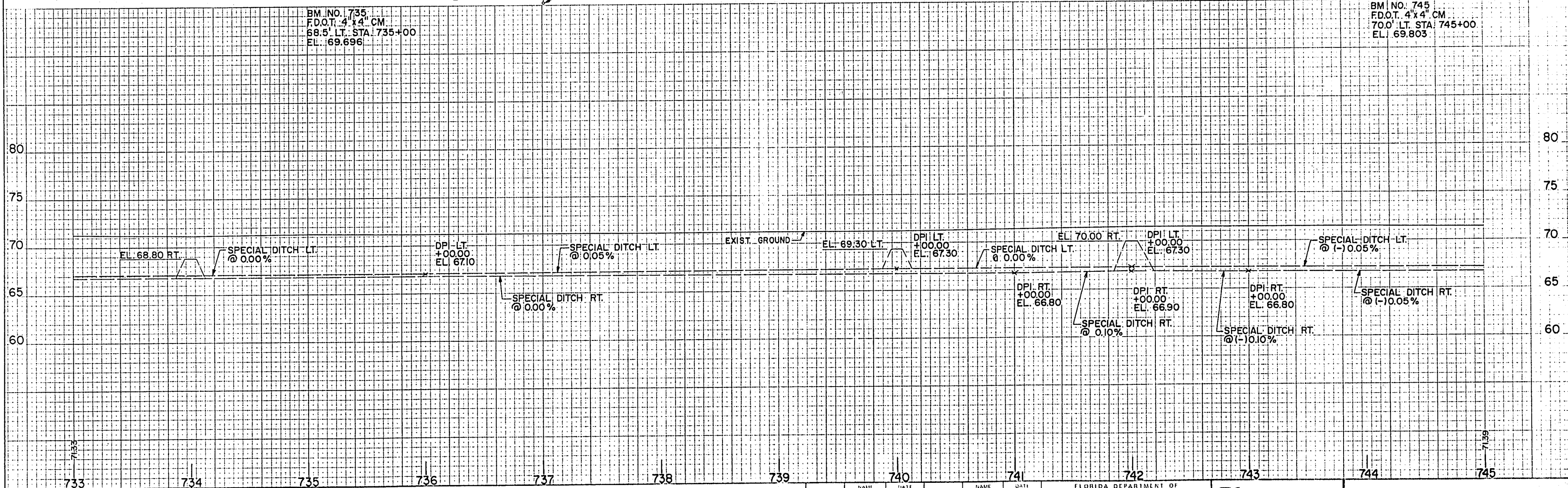
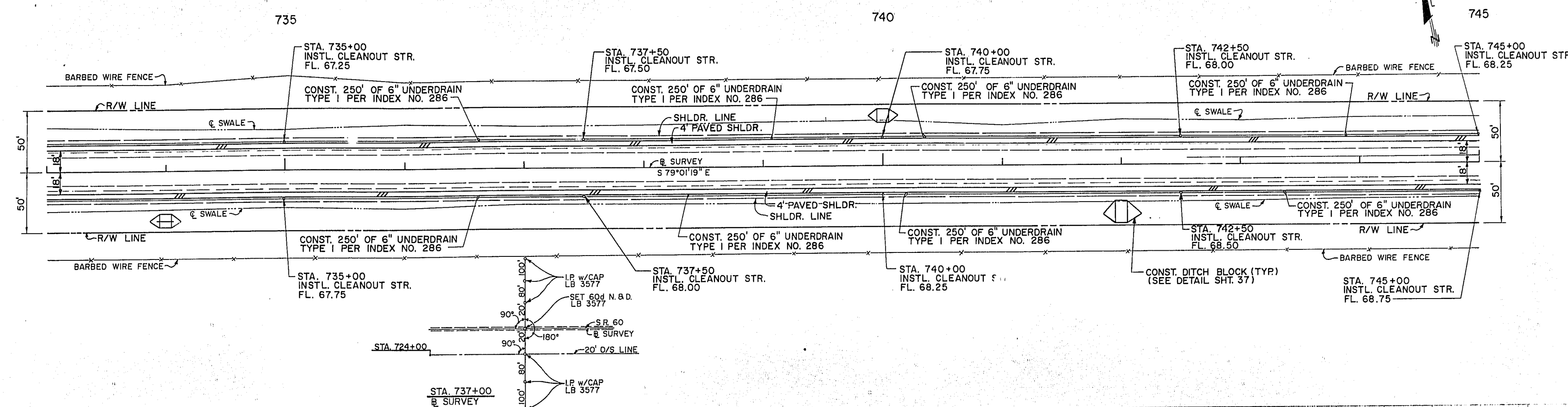
FLORIDA DEPARTMENT OF TRANSPORTATION  
DATE 1-11-95


CIVIL DESIGN GROUP  
ENGINEERS - SURVEYORS - PLANNERS  
ORLANDO, FLORIDA

PLAN / PROFILE



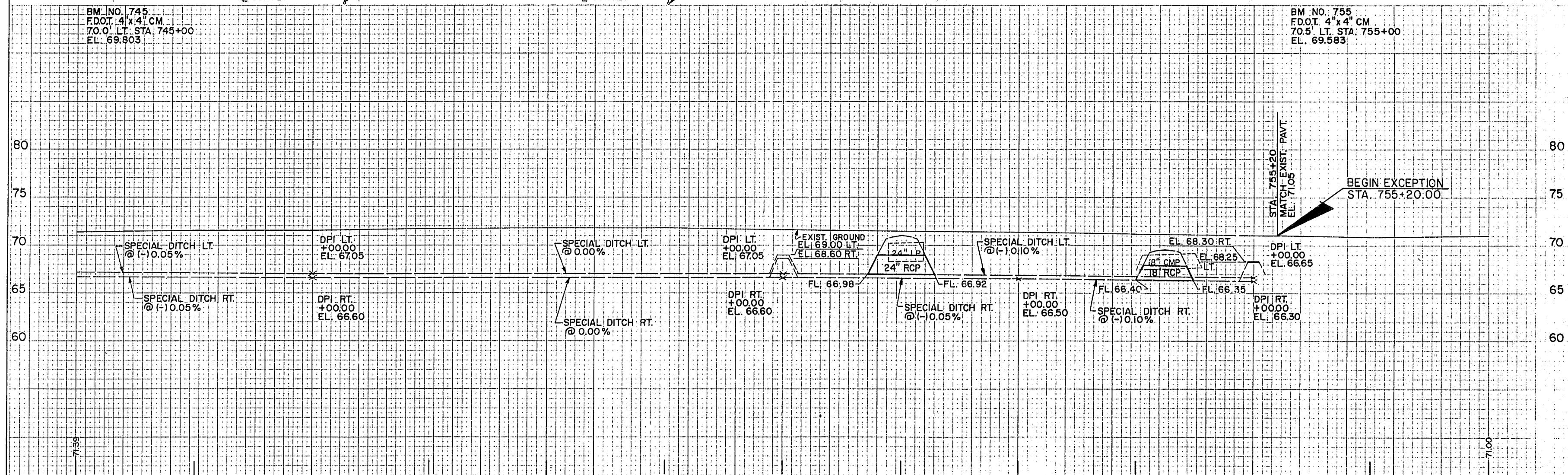
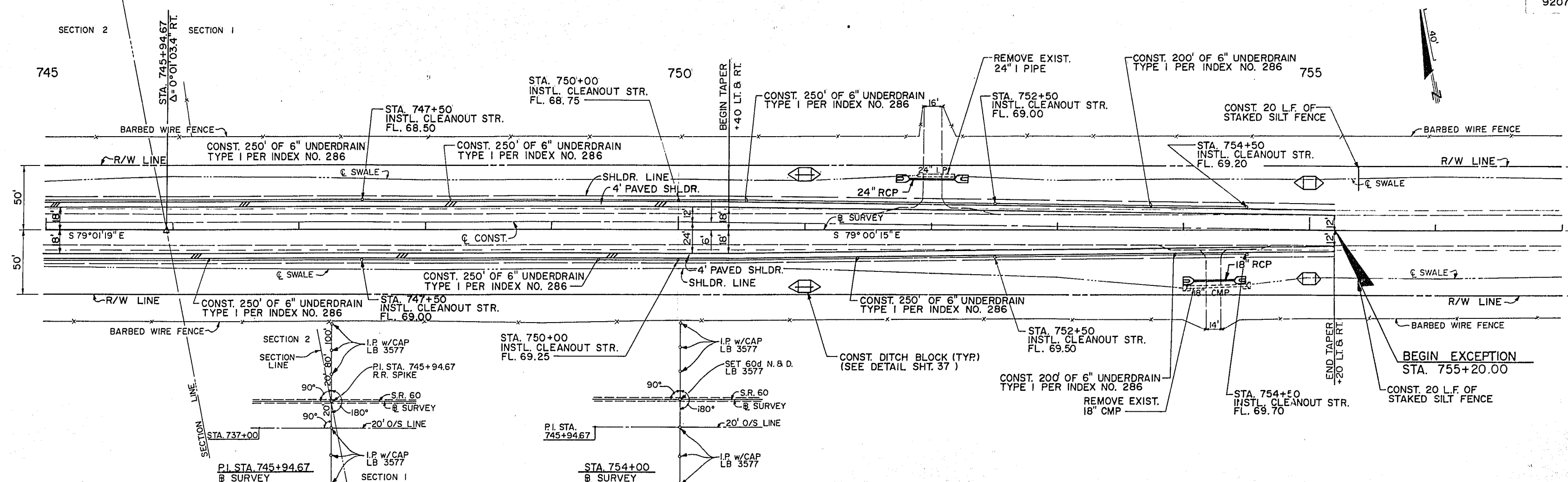
SECTION 2



REVISIONS												TRANSPORTATION						 THE <b>CIVIL DESIGN GROUP</b> ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA		PLAN / PROFILE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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PLAN / PROFILE



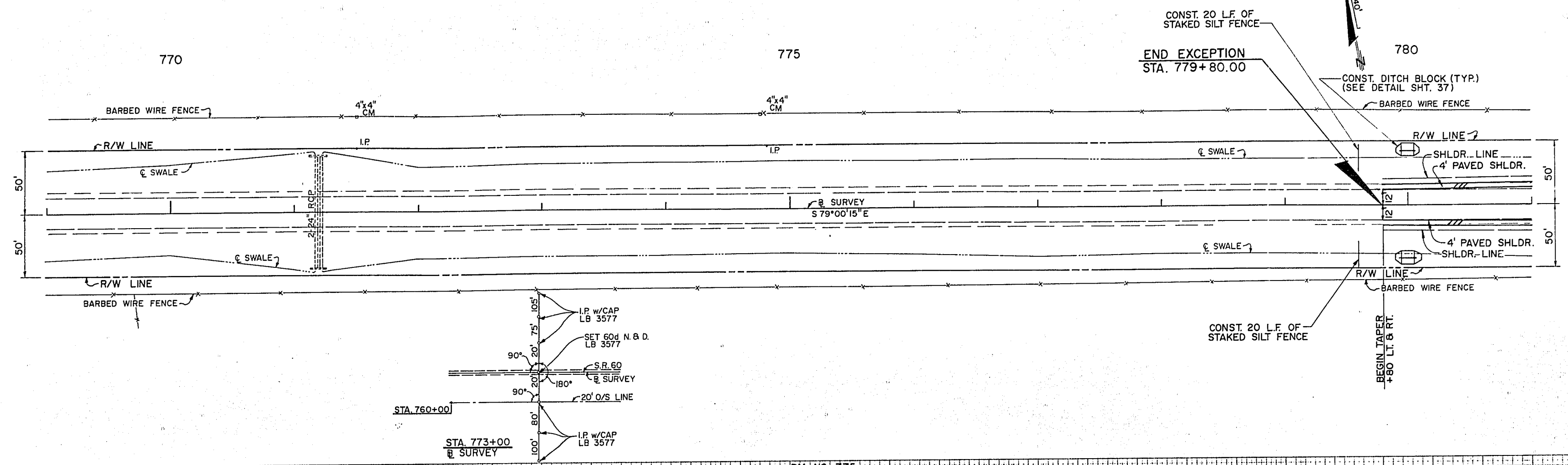


DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	CHECKED BY	DATE	APPROVED BY	FLORIDA DEPARTMENT OF TRANSPORTATION	CIVIL DESIGN GROUP	PLAN / PROFILE
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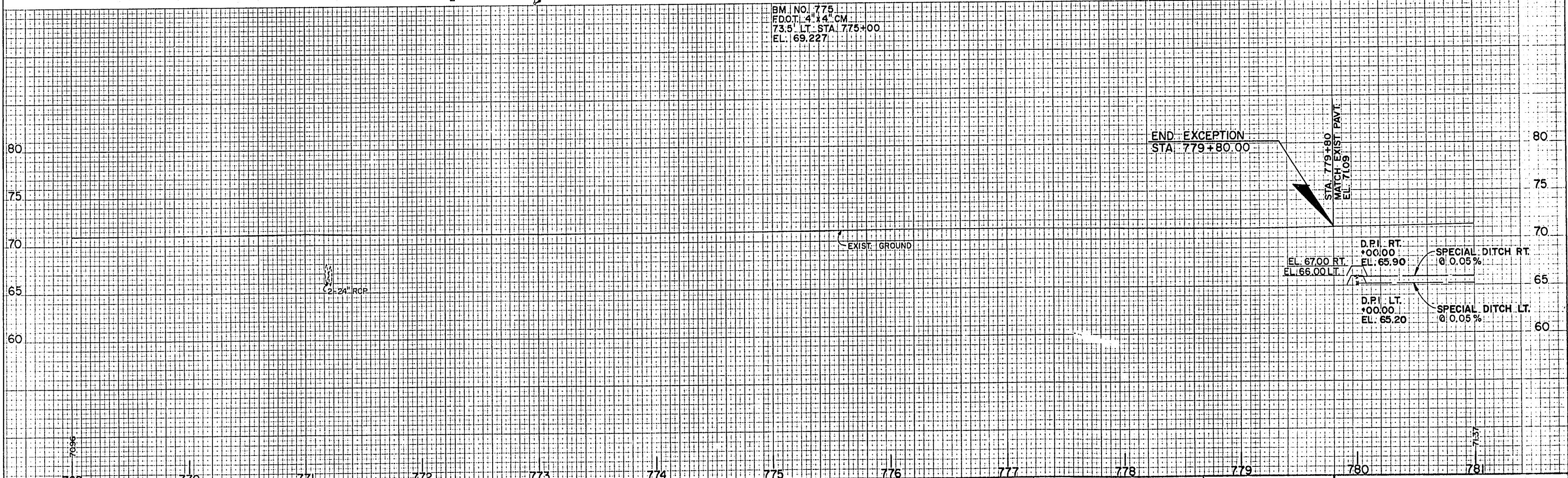
FLORIDA DEPARTMENT OF TRANSPORTATION  
 CIVIL DESIGN GROUP  
 ENGINEERS & SURVEYORS - PLANNERS  
 ORLANDO, FLORIDA  
 DATE 1-11-93  
 SUPERVISED BY HUGH M. LOKEY, P.E.



SECTION 1



BM NO. 775  
F.D.O.T. 4"x4" CM  
73.5' LT. STA. 775+00  
EL. 69.227



REVISIONS				DESIGNED BY				DRAWN BY				APPROVED				DATE 1-11-93			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY

DESIGNED BY: FLB 1/93  
CHECKED BY: HML 1/93  
SUPERVISED BY: HUGH M. LOKEY, P.E.

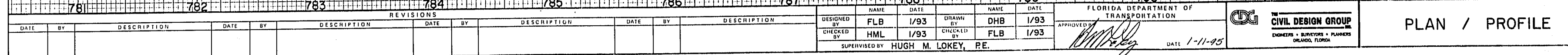
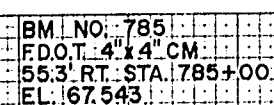
NAME: DHB 1/93  
CHECKED BY: FLB 1/93

FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED: [Signature]  
DATE 1-11-93

CIVIL DESIGN GROUP  
DIAGRAMS • SURVEYS • PLANNING  
ORLANDO, FLORIDA

PLAN / PROFILE



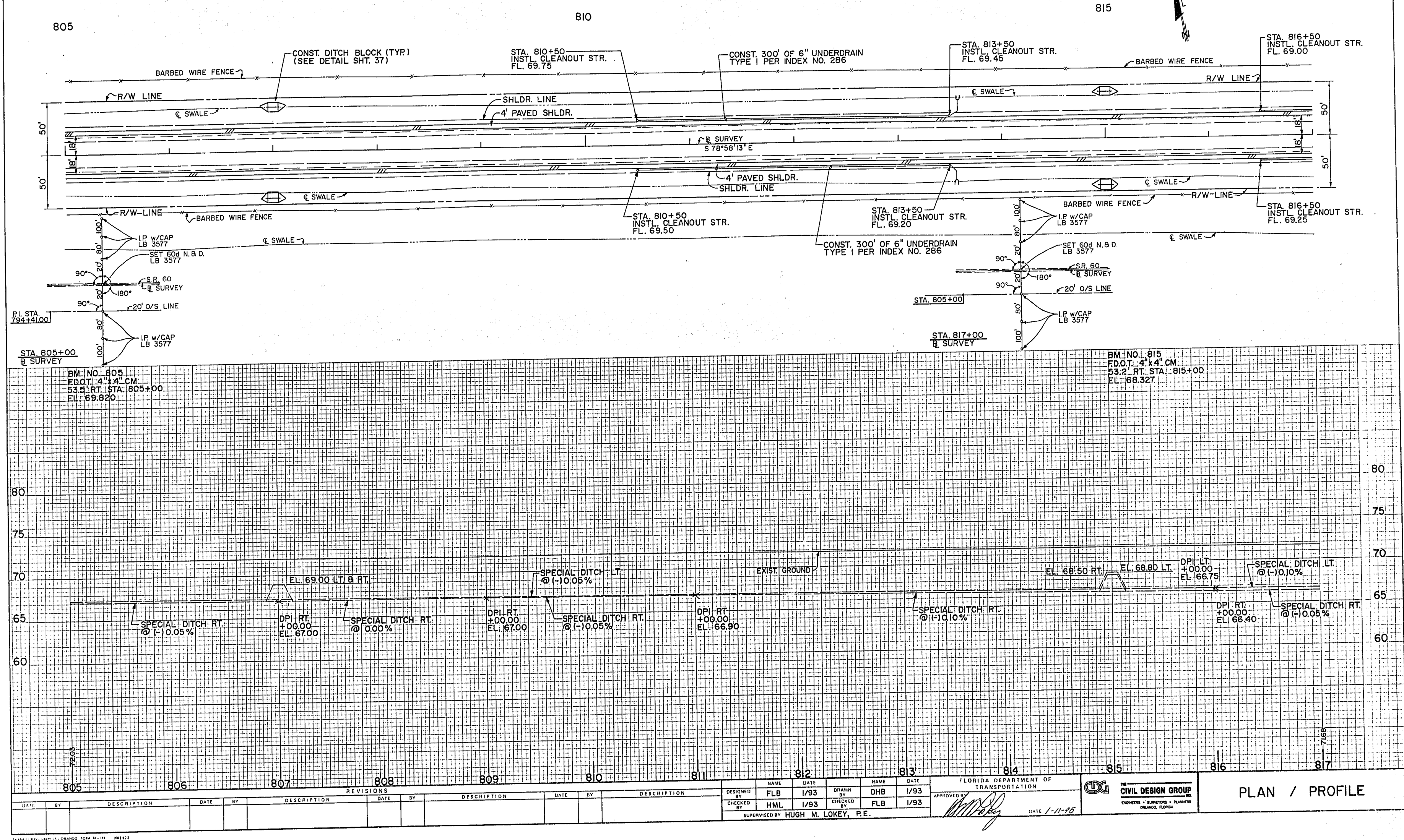






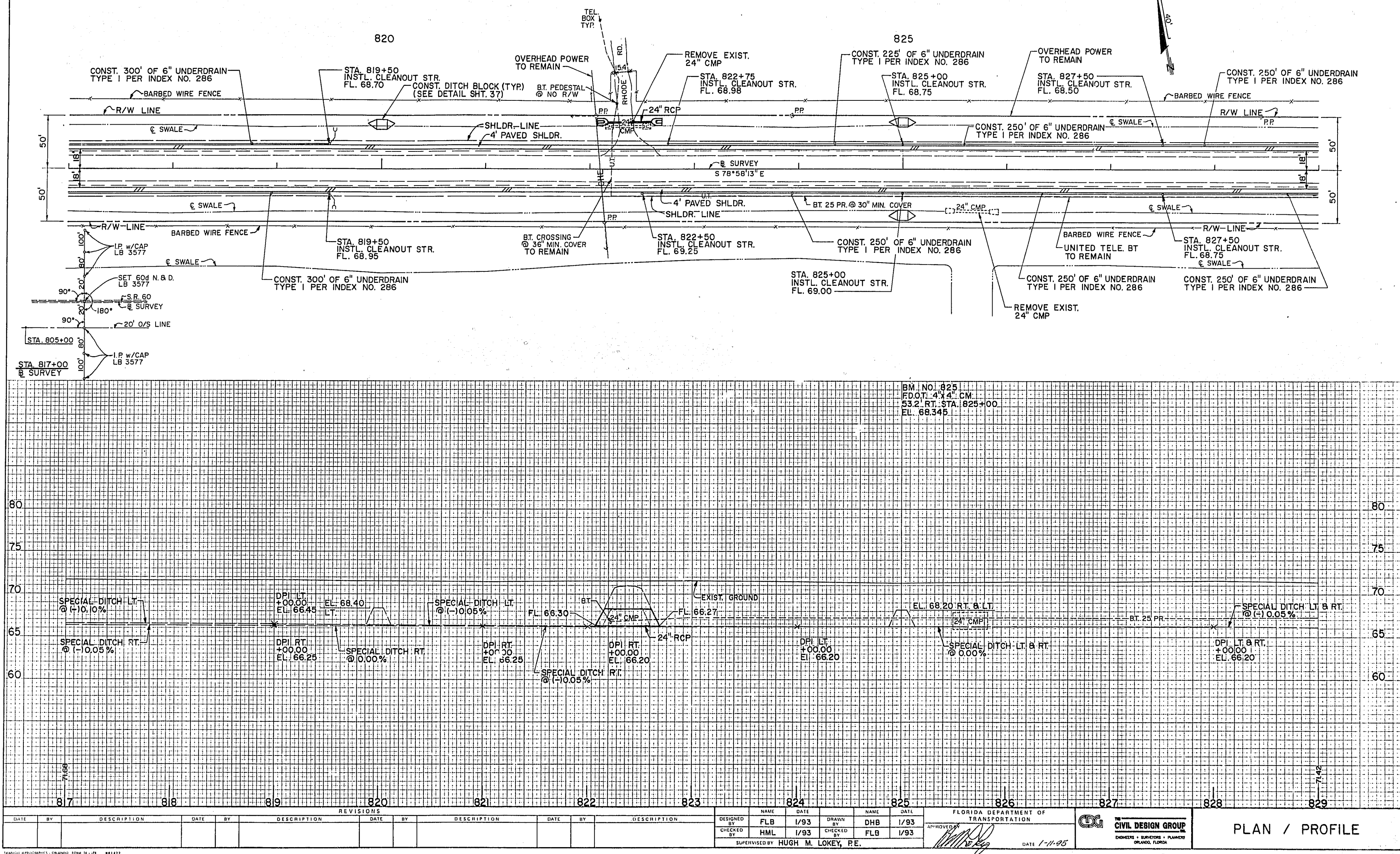


SECTION 6





SECTION 6



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DESIGNED BY	FLB	DATE	1/93	DRAWN BY	DHB	DATE	1/93
CHECKED BY	HML	DATE	1/93	CHECKED BY	FLB	DATE	1/93

SUPERVISED BY		HUGH M. LOKEY, P.E.	
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FLORIDA DEPARTMENT OF TRANSPORTATION		DATE 1-11-95	
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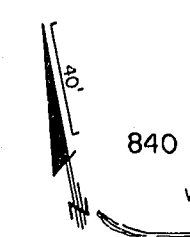
CIVIL DESIGN GROUP		ENGINEERS • SURVEYORS • PLANNERS	
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PLAN / PROFILE

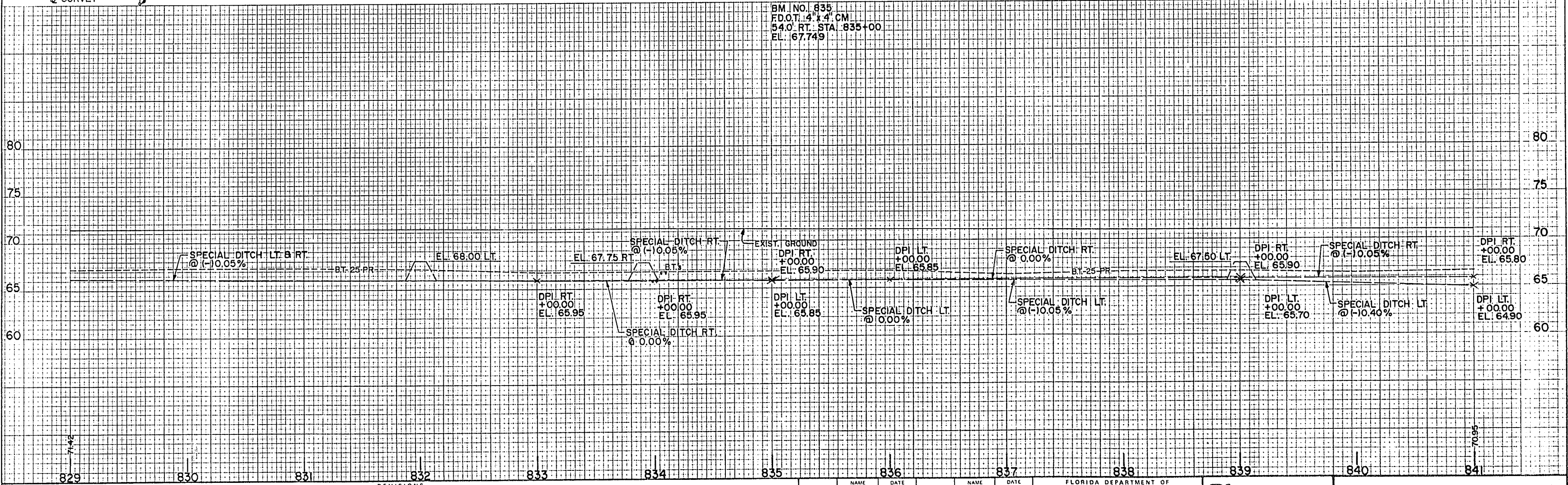
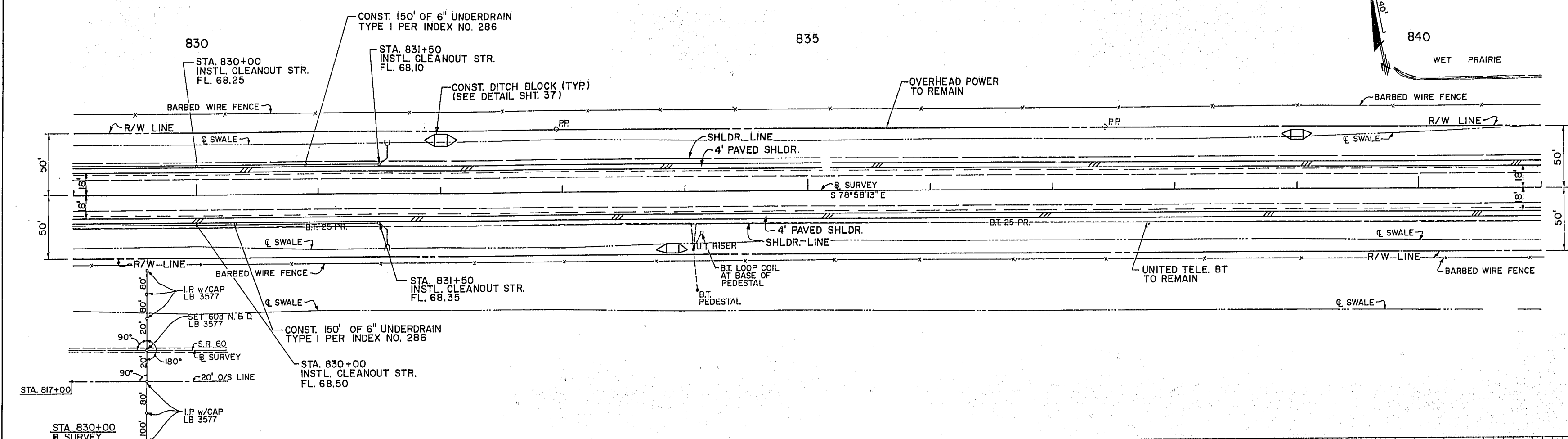




SECTION 6



840

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DATE		BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED		FLB	1/93	DRAWN		DHB	1/93	APPROVED BY		TRANSPORTATION				PLAN / PROFILE
DATE		BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	CHECKED		HML	1/93	BY		FLB	1/93	DATE		1-11-95				
												SUPERVISED BY										HUGH M. LOKEY, P.E.					

SUPERVISED BY HUGH M. LOKEY, P.E.

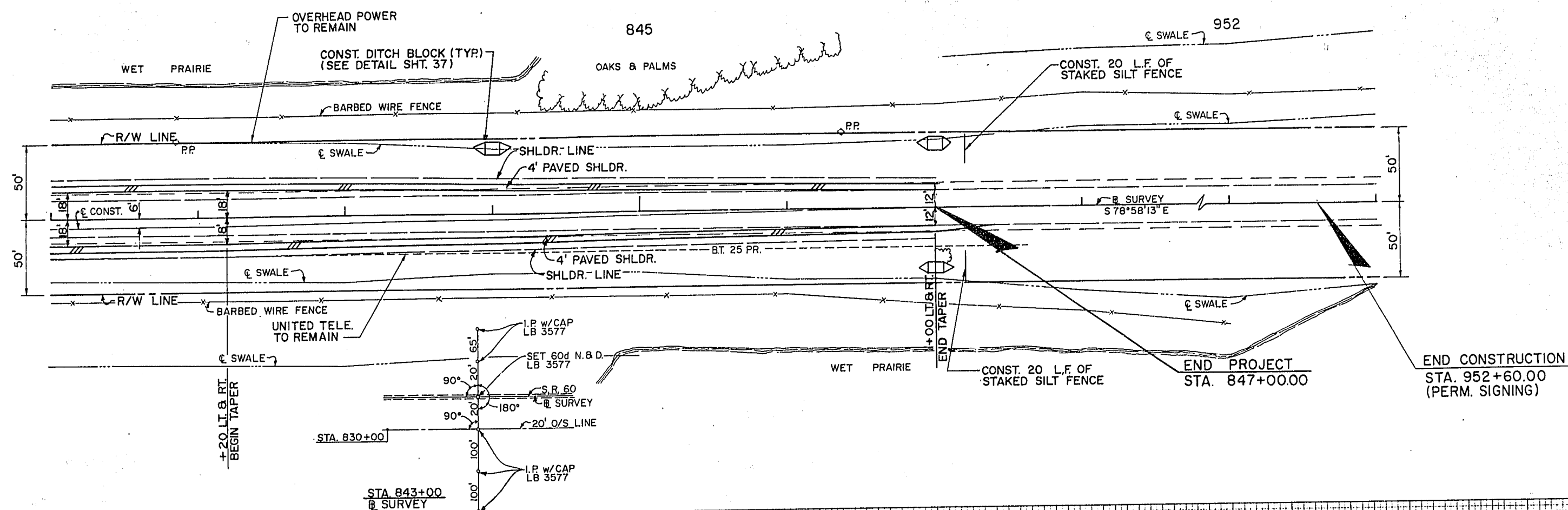
DATE 1-11-95

CIVIL DESIGN GROUP  
ENGINEERS & SURVEYORS & PLANNERS  
ORLANDO, FLORIDA

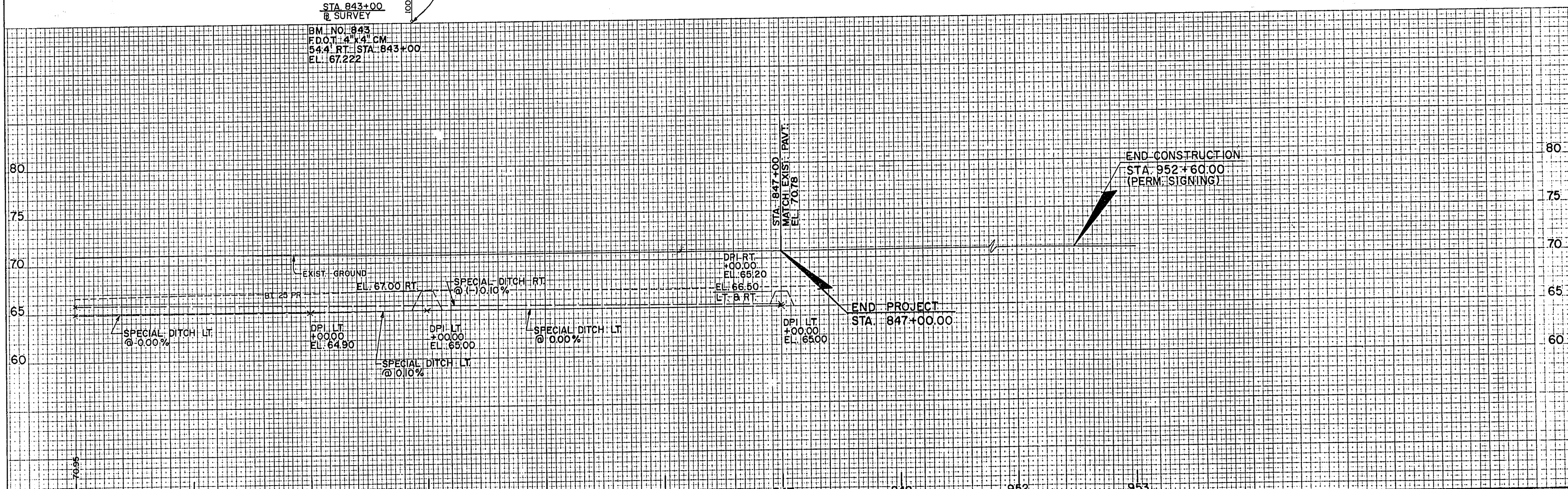
PLAN / PROFILE



SECTION 6



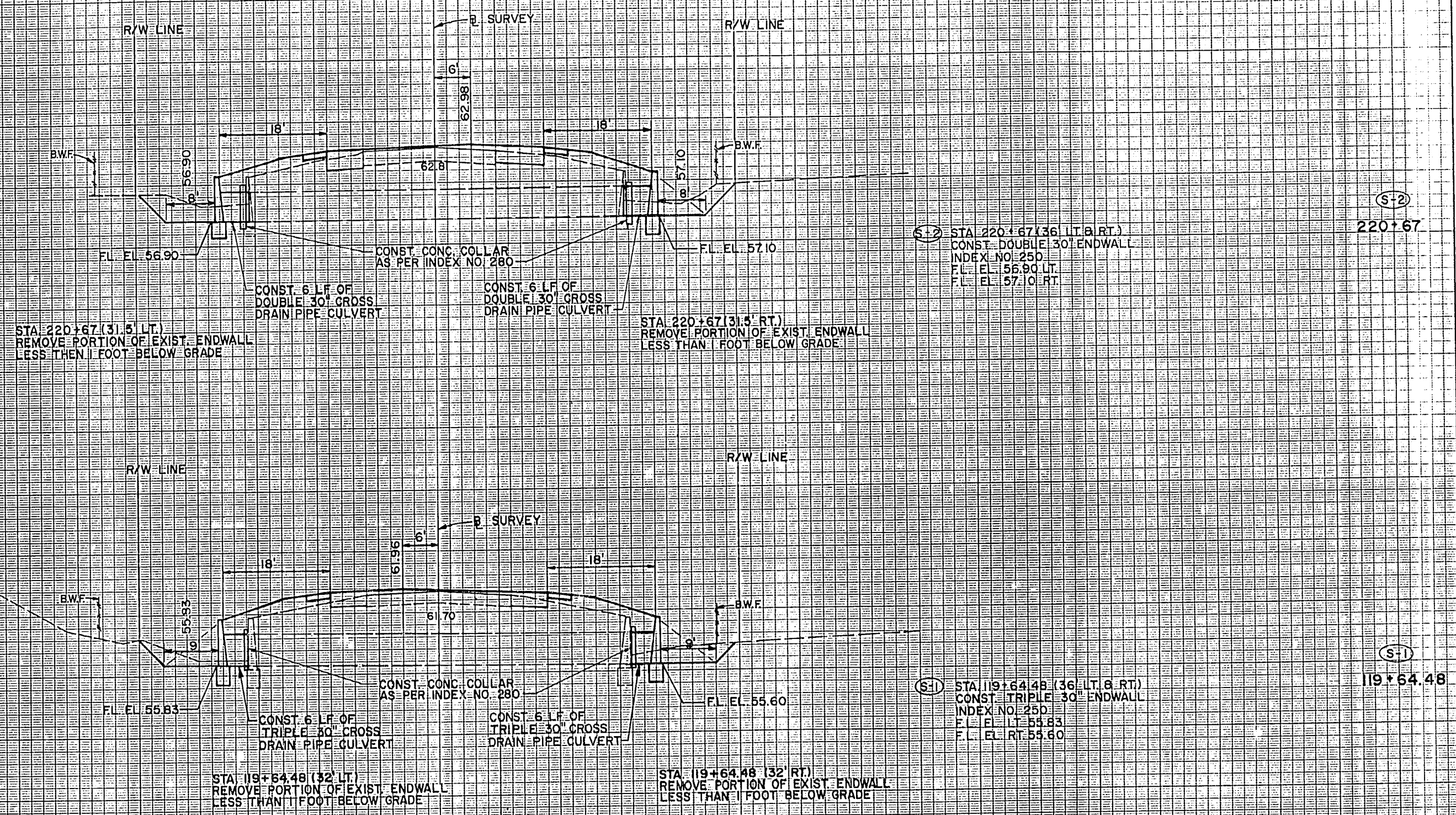
BM NO. 843  
F.D.O.T. 4" x 4" CM.  
54.4' RT. STA. 843+00  
EL. 67.222



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REVISIONS: SUPERVISED BY HUGH M. LOKEY, P.E. DATE 1-11-95





Scale: 1 inch = 5 Feet Vert.  
1 inch = 10 Feet Horiz.

REVISIONS										DESIGNED				DRAWN				CHECKED				APPROVED			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		
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SUPERVISED BY: HUGH M. LOKEY, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED BY: *[Signature]* DATE 1-11-95

**CIVIL DESIGN GROUP**  
ENGINEERS & SURVEYORS & PLANNERS  
ORLANDO, FLORIDA

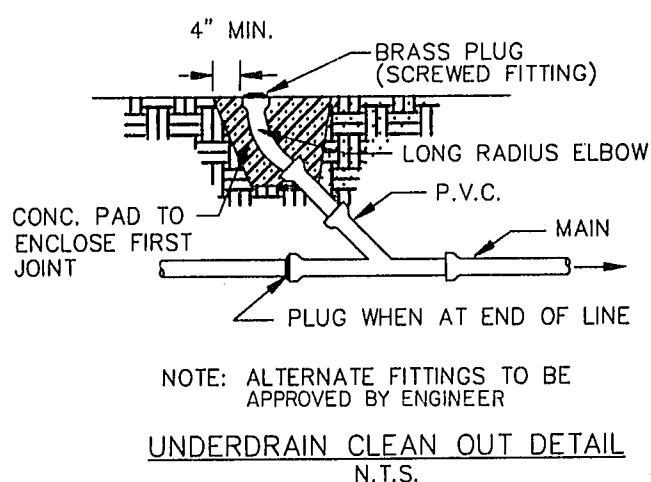
**DRAINAGE STRUCTURES**



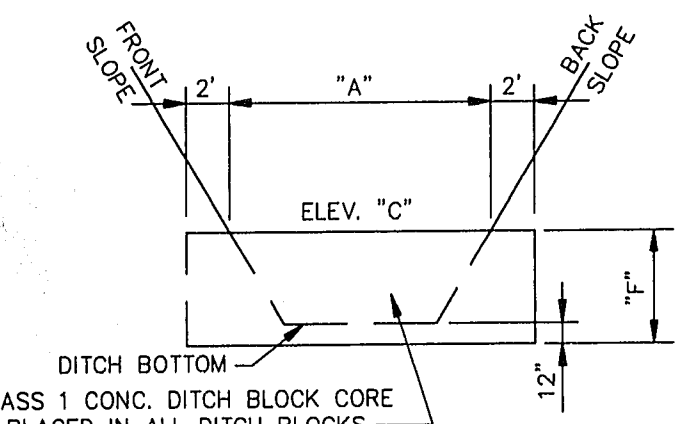
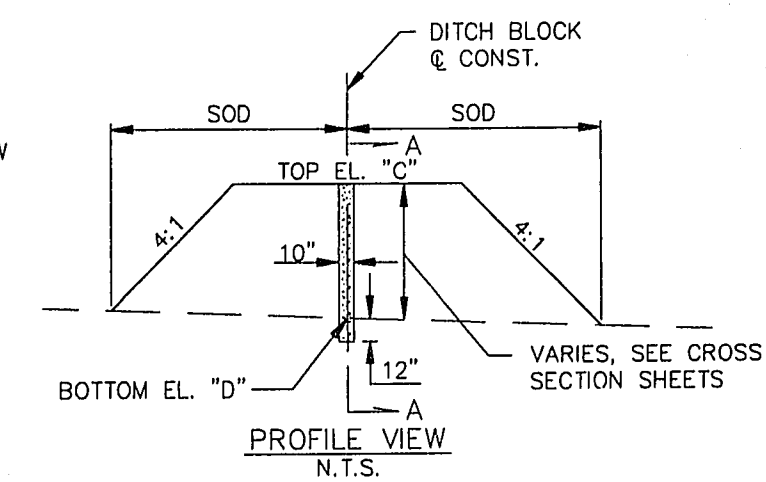
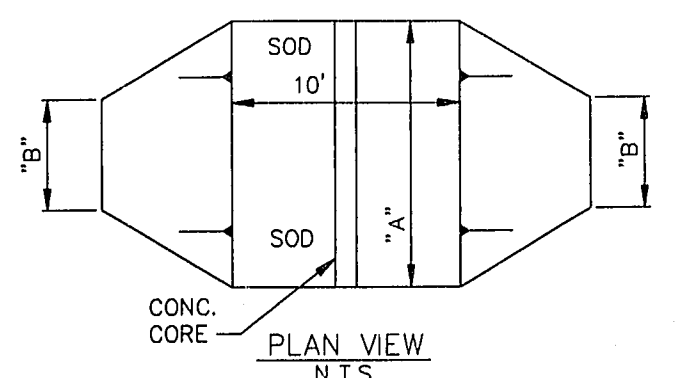
SUMMARY OF DITCH BLOCKS CASE A									
STATION	SIDE	A (FT.)	B (FT.)	C	D	F	SOD (SY)	CL I CONC. (CY)	
85+00	LT.	13.0	5	59.00	57.48	2.52	21	1.3	
104+00	LT.	18.0	5	60.20	57.98	3.22	33	2.2	
189+00	LT.	13.5	5	59.70	57.70	3.00	25	1.6	
189+00	RT.	11.0	0	58.90	56.60	3.30	19	1.5	
193+00	RT.	9.0	0	59.80	57.95	2.85	14	1.1	
194+00	LT.	9.0	0	60.00	58.00	3.00	14	1.2	
200+00	LT.	10.0	0	60.10	58.05	3.05	18	1.3	
200+00	RT.	9.5	0	60.00	58.00	3.00	16	1.2	
204+00	LT.	10.0	0	60.25	58.25	3.00	17	1.3	
205+00	RT.	11.0	0	60.50	58.25	3.25	19	1.5	
210+00	LT.	9.5	0	60.40	58.30	3.10	16	1.3	
210+00	RT.	10.5	0	60.50	58.25	3.25	19	1.4	
217+00	LT.	9.0	0	59.30	57.50	2.80	14	1.1	
217+00	RT.	9.0	0	60.00	58.20	2.80	14	1.1	
220+00	LT.	9.0	0	59.00	57.02	2.87	14	1.1	
220+00	RT.	5.5	2	58.50	57.28	2.04	8	0.6	
221+00	LT.	10.0	0	59.00	57.02	2.98	16	1.3	
221+00	RT.	10.0	2	59.00	57.18	2.82	17	1.2	
223+00	RT.	9.0	0	59.50	57.60	2.90	14	1.2	
226+00	LT.	10.0	0	60.00	58.00	3.00	17	1.3	
236+00	LT.	12.0	0	61.00	59.00	3.00	20	1.5	
236+00	RT.	12.0	0	60.50	58.00	3.00	21	1.5	
241+00	RT.	14.5	0	61.00	58.00	3.00	27	1.7	
243+00	LT.	21.0	0	62.00	59.00	3.00	39	2.3	
248+00	LT.	9.0	0	60.50	58.90	2.60	14	1.0	
251+00	RT.	10.0	0	60.00	58.00	3.00	17	1.3	
254+60	LT.	12.0	0	60.00	58.24	2.76	19	1.4	
694+00	LT.	8.5	0	68.60	66.80	4.20	16	1.6	
718+00	LT.	11.0	0	69.50	67.75	2.75	17	1.3	
725+00	RT.	12.0	0	68.80	66.45	3.35	21	1.6	
740+00	LT.	14.0	0	69.30	67.30	3.00	23	1.7	
742+00	RT.	18.0	0	70.00	66.90	4.10	34	2.8	
755+00	LT.	9.0	0	68.25	66.65	2.60	14	1.0	
755+00	RT.	10.0	0	68.30	66.30	3.00	17	1.3	
800+00	RT.	13.5	0	70.00	67.30	3.70	25	2.0	
802+00	LT.	13.0	0	70.00	67.45	3.55	23	1.9	
SUB-TOTAL							692.0	51.70	

#### GENERAL NOTES

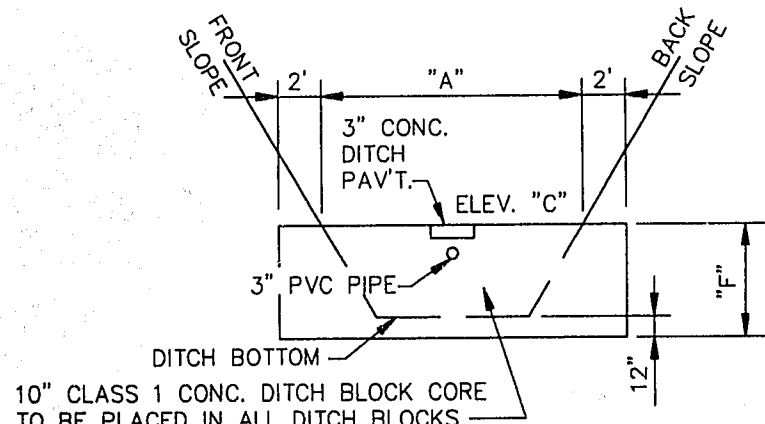
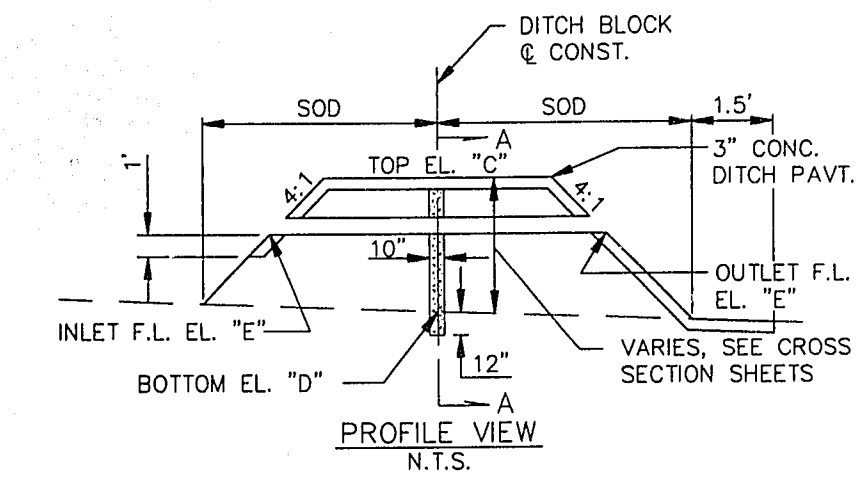
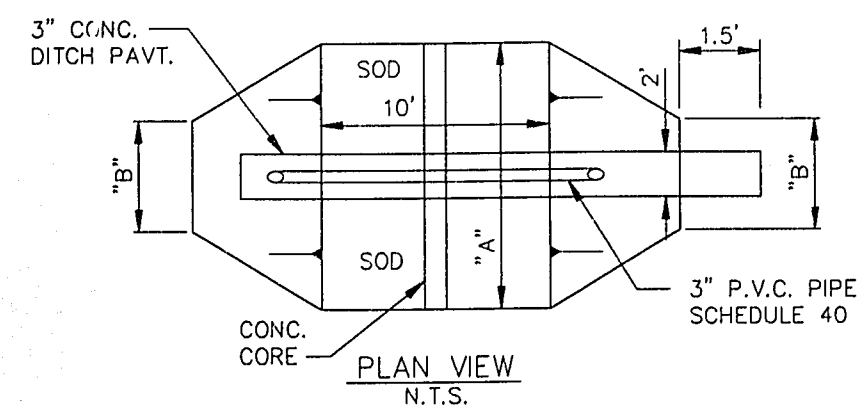
1. THE COST OF SODDING SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR SODDING, S.Y.
2. THE COST OF 3" CONCRETE SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR 3" CONCRETE DITCH PAVEMENT, S.Y.
3. THE COST OF 3" P.V.C. PIPE SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR POLYVINYL-CHLORIDE PIPE CULVERT, L.F.
4. THE COST OF CONC. DITCH BLOCK CORE SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR CLASS I CONCRETE (MISC.), C.Y.



#### DITCH BLOCK DETAIL - CASE A



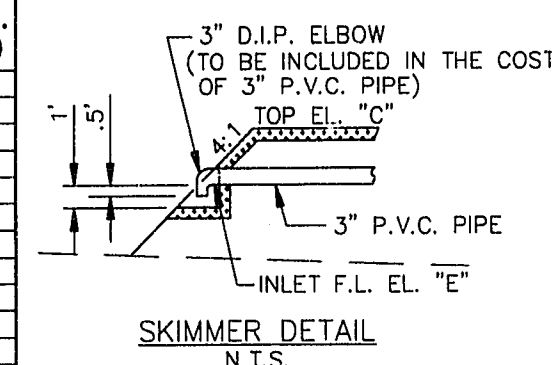
#### DITCH BLOCK DETAIL - CASE B



SUMMARY OF DITCH BLOCKS CASE B									
STATION	SIDE	A (FT.)	B (FT.)	C	D	E	F	SOD (SY)	3\"/>

#### SUMMARY OF DITCH BLOCKS CASE B (CONT.)

STATION	SIDE	A (FT.)	B (FT.)	C	D	E	F	SOD (SY)	3\"/>
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9245080

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	WCF	12/93	CHECKED BY	DLB	12/93
SUPERVISED BY: HUGH M. LOKEY, P.E.					

FLORIDA DEPARTMENT OF TRANSPORTATION			<b>SPECIAL DETAILS</b>
APPROVED BY:			



CROSS SECTION OF SOIL SURVEY  
REPORT OF TESTS  
STATE ROAD 60 PASSING LANES PROJECT  
OSCEOLA COUNTY

STATE PROJECT NO.: 92070-3510  
W.P.I. NO.: 5115748  
DISTRICT NO.: 5  
SUBMITTED BY: MARK C. CANTY, P.E.

COUNTY: OSCEOLA

TOWNSHIP: 31 SOUTH  
RANGE: 31 EAST  
SECTION: 12

TOWNSHIP: 32 SOUTH  
RANGE: 33 EAST  
SECTIONS: 1, 2 & 3

TOWNSHIP: 31 SOUTH  
RANGE: 32 EAST  
SECTIONS: 7, 16 & 17

TOWNSHIP: 32 SOUTH  
RANGE: 34 EAST  
SECTION: 6

DATE OF SURVEY: 3-31-93 & 5-3-93  
SURVEYED BY: J. SMITH & K. DENTON  
SURVEY BEGINS STA. NO.: 65+00 (SECTION 1)  
EXCEPTION BEGINS STA. NO.: 133+60  
EXCEPTION ENDS STA. NO.: 187+40 (SECTION 2)  
EXCEPTION BEGINS STA. NO.: 254+60  
EXCEPTION ENDS STA. NO.: 688+00 (SECTION 3)  
EXCEPTION BEGINS STA. NO.: 755+20  
EXCEPTION ENDS STA. NO.: 779+80 (SECTION 4)  
SURVEY ENDS STA. NO.: 847+00  
DATE REPORTED: 10-17-94

STRATUM NO.	LBR VALUE	% PASS 10 MESH	% PASS 40 MESH	% PASS 60 MESH	% PASS 100 MESH	% PASS 200 MESH	% ORGANIC CONTENT	CONSTANTS MATERIAL PASS NO. 40 MESH	LIQUID LIMIT	PLASTICITY INDEX	NO. LBR TESTS	NO. GRAD. TESTS	NO. % FINES TESTS	NO. ORGANIC CONTENT TESTS	NO. LL-PI TESTS	NO. CORROSION TESTS	AASHTO CLASSIFICATION	MATERIAL DESCRIPTION	pH	RESISTIVITY (ohm-cm)	CHLORIDES (ppm)	SULFATES (ppm)
1	13-59	100	94-100	78-97	29-68	3-10	-	NP	NP	NP	18	29	0	0	0	0	A-3	BROWN AND GRAY FINE SAND, TRACE SILT	-	-	-	-
2	5-68	100	93-100	80-98	32-69	4-18	3	NP	NP	NP	14	24	0	1	0	0	A-3, A-2-4	BROWNISH GRAY FINE SAND, TRACE TO SOME SILT AND TRACE ORGANICS	-	-	-	-
3	-	100	99-100	96-99	55-83	23-35	-	NP	NP	NP	0	6	0	0	4	0	A-2-4	DARK BROWN SILTY FINE SAND	-	-	-	-
4	-	100	100	99	89	48	-	47	26	26	0	1	0	0	1	0	A-7-6	ORANGE TAN SANDY CLAY	-	-	-	-

NOTES:

1. SOIL BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY.
2. WATER TABLE SHOWN AS  $\nabla$  WHERE ENCOUNTERED AT TIME OF SURVEY. SEASONAL HIGH GROUNDWATER ESTIMATES SHOWN AS  $\nabla$ .  
 $\nabla+$  INDICATES THAT PONDED WATER IS LIKELY DURING THE WET SEASON.
3. REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH INDEX NO. 500. MATERIAL USED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH INDEX NO. 505 OF FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
4. THE A-2-4 SOILS MAY RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT.
5. SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AND SWALES.
6. SOIL PARAMETER NOT TESTED DENOTED AS "-" ABOVE.
7. "NP" DENOTES NON-PLASTIC MATERIAL.
8. STRATUM NO. 4 SHOULD BE TREATED AS PLASTIC (P).

Geotechnical and  
Environmental Consultants, Inc.

APPROVED BY:

*Mark C. Canty*  
MARK C. CANTY, P.E.

FILE NO.: 24475

P.E. NO.: 44841

DATE: 1-12-95

24475

REVISIONS							
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY

Geotechnical and  
Environmental Consultants, Inc.  
100 West Washington Street, Orlando, Florida 32801-2315  
407/420-1010, FAX 407/420-1050

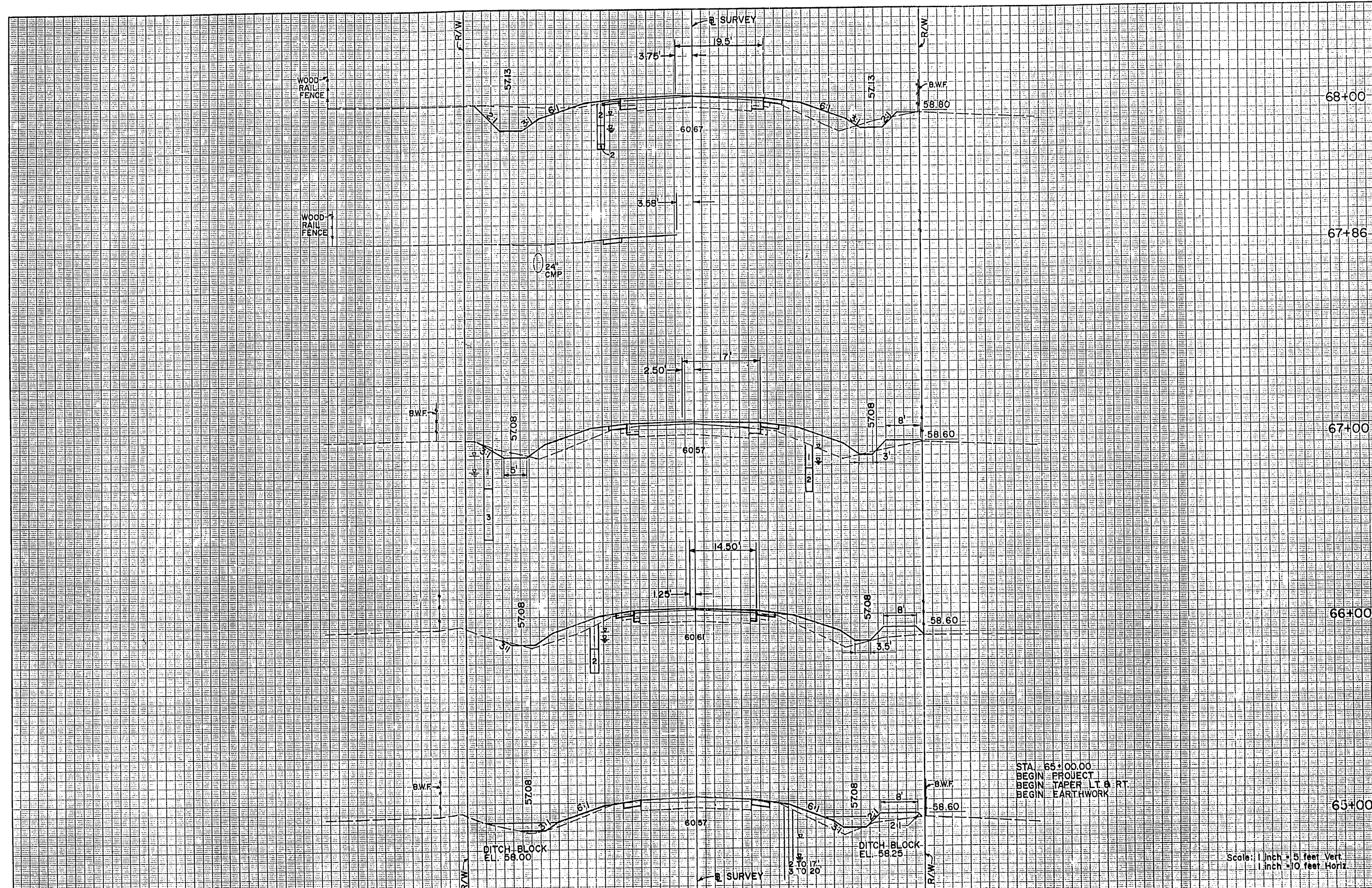
DESIGNED BY	NAME	DATE	CHECKED BY	NAME	DATE
	M.W.B.	7-1-93		S.K.R.	7-9-93
	M.C.C.	7-1-93		M.W.B.	7-9-93

SUPERVISED BY: MARK C. CANTY, P.E.

REPORT OF TESTS

STATE ROAD 60 PASSING LANES PROJECT




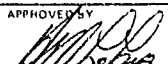


A-2, A-3 MATERIAL			
Rdwy. Exc.	Full		
A	V	A	V
	120		135
68+00	47	24	
67+86		98	146
67+00	6	55	
	15		194
66+00	2	50	
	11		139
65+00	4	25	

STA. 65+00.00  
 BEGIN PROJECT  
 BEGIN TAPER LT & RT  
 BEGIN EARTHWORK

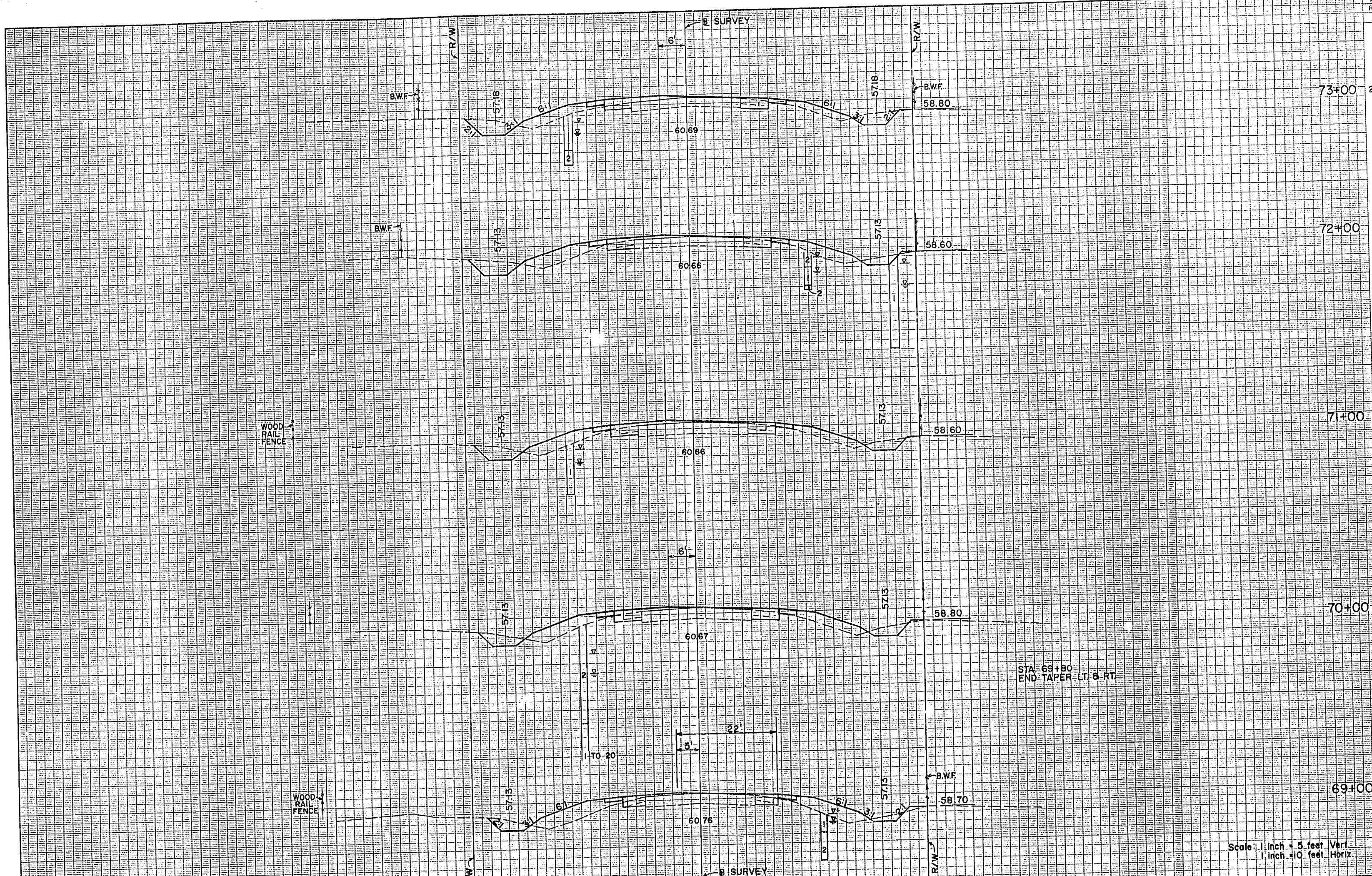
Scale: 1 inch = 5 feet Vert.  
 1 inch = 10 feet Horiz.

REVISIONS				DESIGNED BY				DRAWN BY				FLORIDA DEPARTMENT OF TRANSPORTATION				 <b>THE CIVIL DESIGN GROUP, INC.</b> ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA		CROSS SECTIONS
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	NAME	DATE	NAME	DATE	NAME	DATE							

DESIGNED BY: GEF, DATE: 1/93  
 CHECKED BY: FLB, DATE: 1/93  
 SUPERVISED BY: HUGH M. LOKEY, JR.  
 APPROVED BY:  DATE: 1-16-95



A-2, A-3 MATERIAL	
Rdwy. Exc.	Fill
A	V
104	120



Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS				DISCUSSION				DESIGN				FLORIDA DEPARTMENT OF TRANSPORTATION				CIVIL DESIGN GROUP		CROSS SECTIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
GEF	GEF	1/93	DHB	DHB	1/93
CHECKED BY	NAME	DATE	CHECKED BY	NAME	DATE
FLB	FLB	1/93	GEF	GEF	1/93
SUPERVISED BY: HUGH M. LOKEY, P.E.					

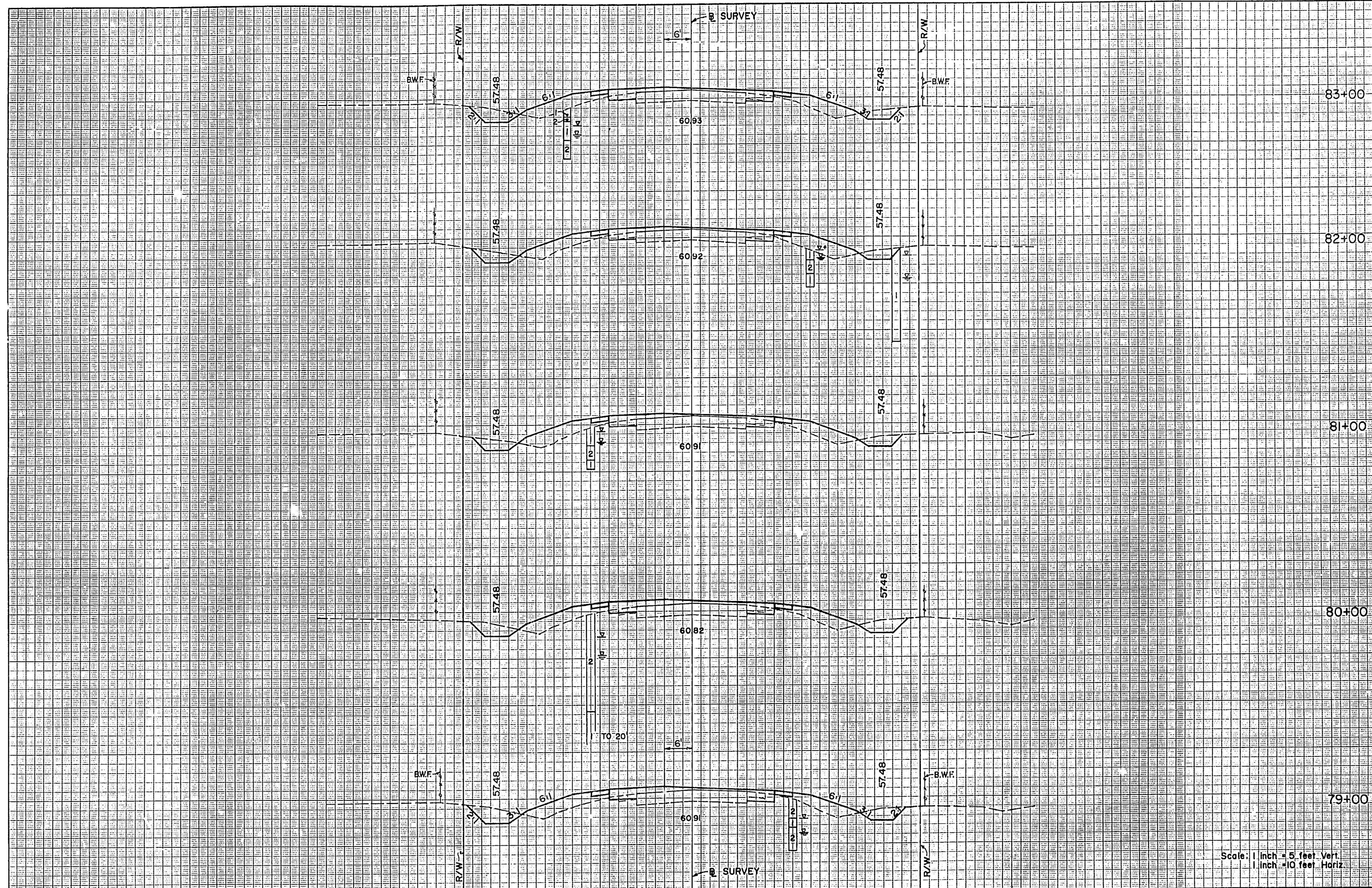
APPROVED BY: *[Signature]* DATE: 1-11-95

CIVIL DESIGN GROUP  
ENGINEERS - SURVEYORS - PLANNERS  
ORLANDO, FLORIDA









A-2, A-3 MATERIAL		Rdwy. Exc.		MATERIAL	
A	V	A	V	A	V
94				189	
24				53	
		85		198	
22				54	
		85		200	
24				54	
		96		204	
28				56	
		102		204	
27				54	

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS				DESIGNED BY				CHECKED BY				APPROVED BY			
DATE	BY	DESCRIPTION		NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE		
				GEF	1/93	FLB	1/93	DHB	1/93	GEF	1/93				
				SUPERVISED BY HUGH M. LOKEY, P.E.				DATE 1-11-95							

FLORIDA DEPARTMENT OF  
TRANSPORTATION  
**CIVIL DESIGN GROUP**  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

**CROSS SECTIONS**



STATE PROJ. NO.	FILE #
92070-3510	43

A-2, A-3 MATERIAL		
Rdwy. Exc.	A	V

72	191
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88+00	15	57
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	59	213
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87+00	17	58
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	74	207
--	----	-----

86+00	23	54
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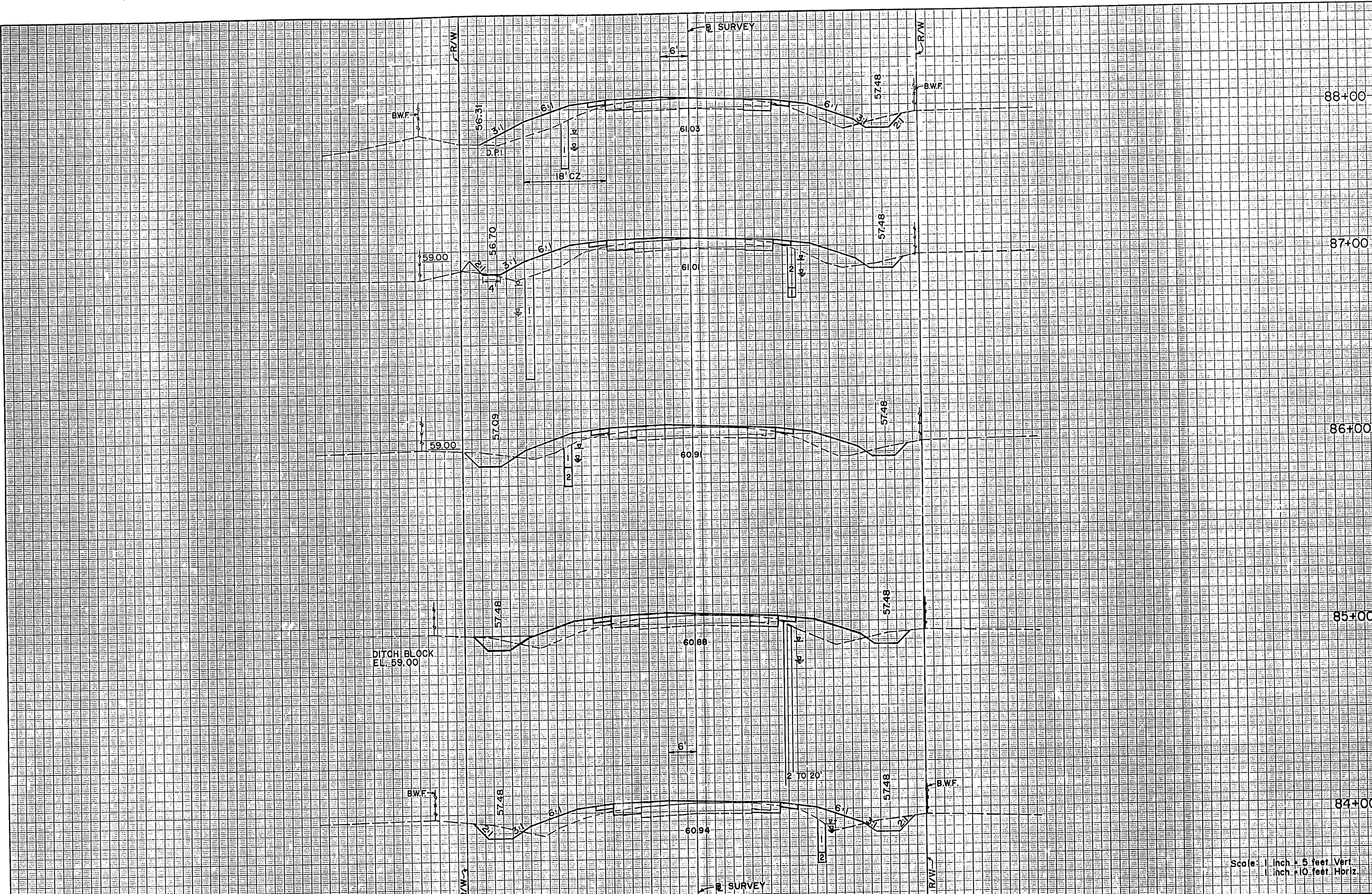
	85	207
--	----	-----

85+00	23	58
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	93	198
--	----	-----

84+00	27	49
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Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.



REVISIONS			
DATE	BY	DESCRIPTION	

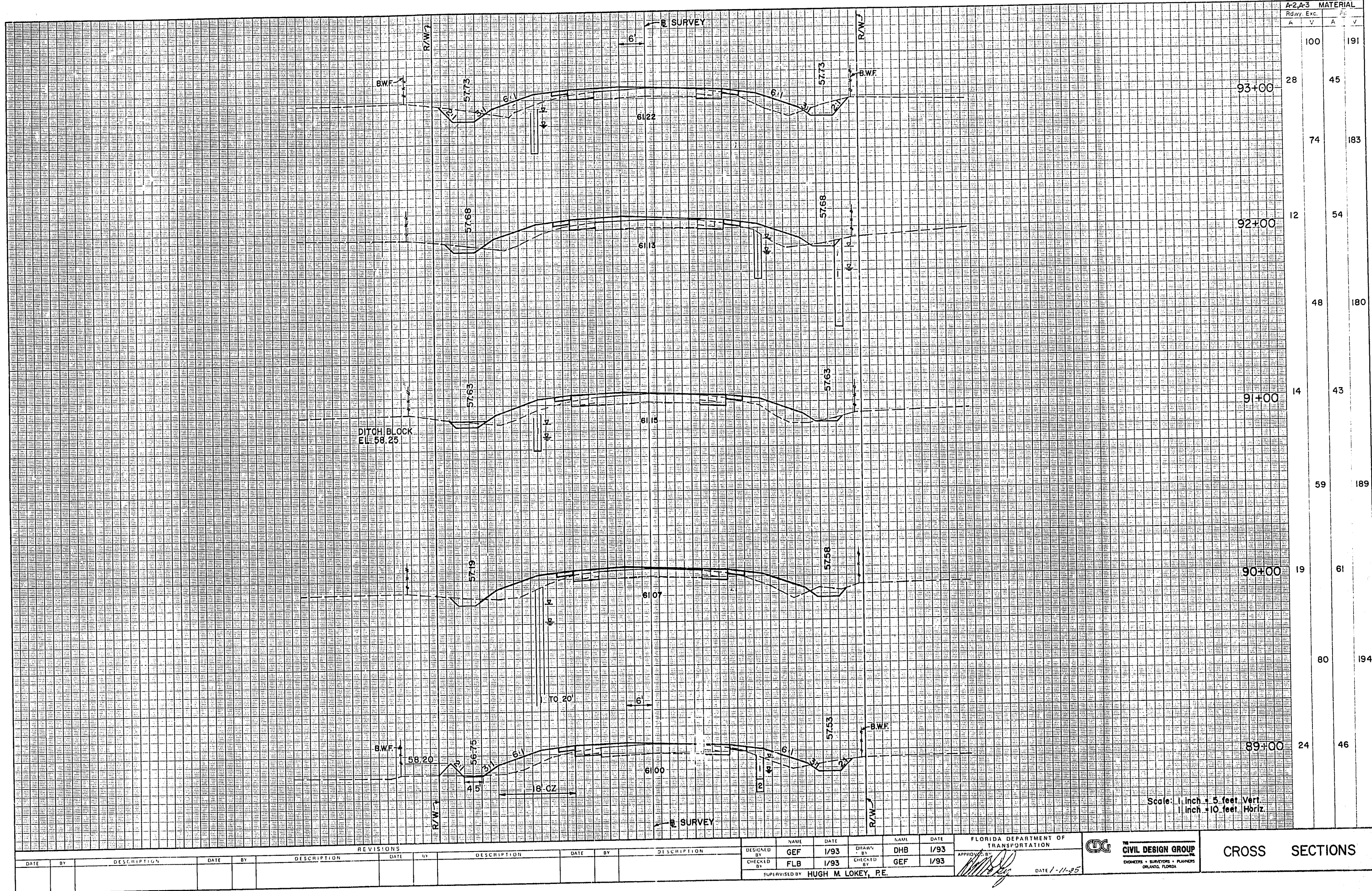
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	GEF	1/93		DHB	1/93
CHECKED BY	FLB	1/93	CHECKED BY	GEF	1/93
SUPERVISED BY: HUGH M. LOKEY, P.E.					

FLORIDA DEPARTMENT OF TRANSPORTATION		<b>CIVIL DESIGN GROUP</b> ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA
APPROVED BY	DATE 1-11-93	

CROSS SECTIONS	
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STATE PROJ. NO.	92070-3510	SHEET NO.	44
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A-2-A-3 MATERIAL		Row, Exc.	
A	V	A	V
100	191		
28	45		
74	183		
12	54		
48	180		
14	43		
59	189		
19	61		
80	194		
24	46		

REVISIONS		DESCRIPTION		DATE		BY	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	FLB	1/93	CHECKED BY	GEF	1/93
SUPERVISED BY HUGH M. LOKEY, P.E.					

APPROVED BY	DATE
	1-11-93

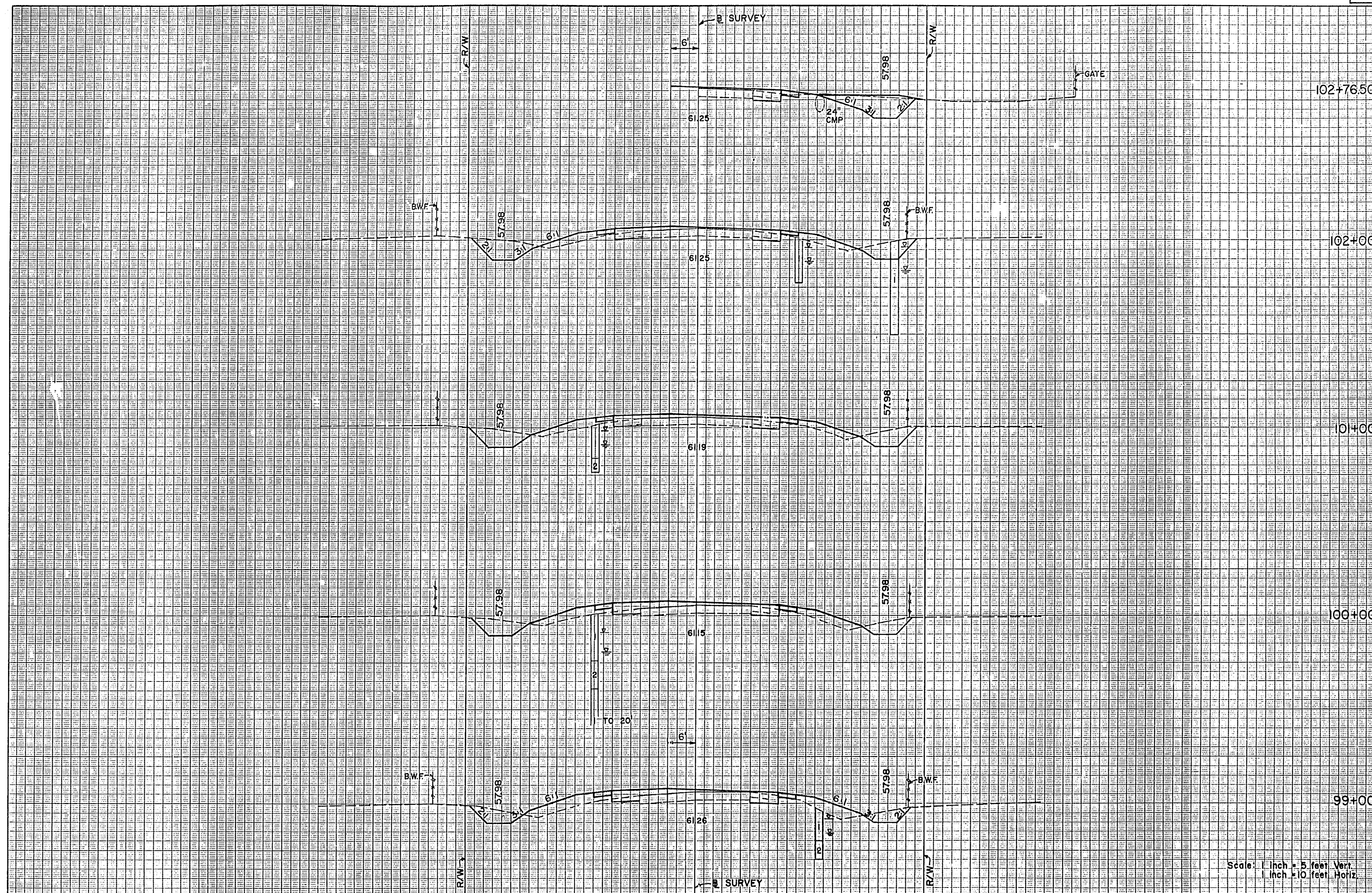


CROSS SECTIONS









A-2, A-3 MATERIAL		FILL	
Row	Exc.	A	V
141		98	
40	31		
144		120	
38	34		
126		139	
30	41		
107		161	
28	46		

REVISIONS			
DATE	BY	DESCRIPTION	

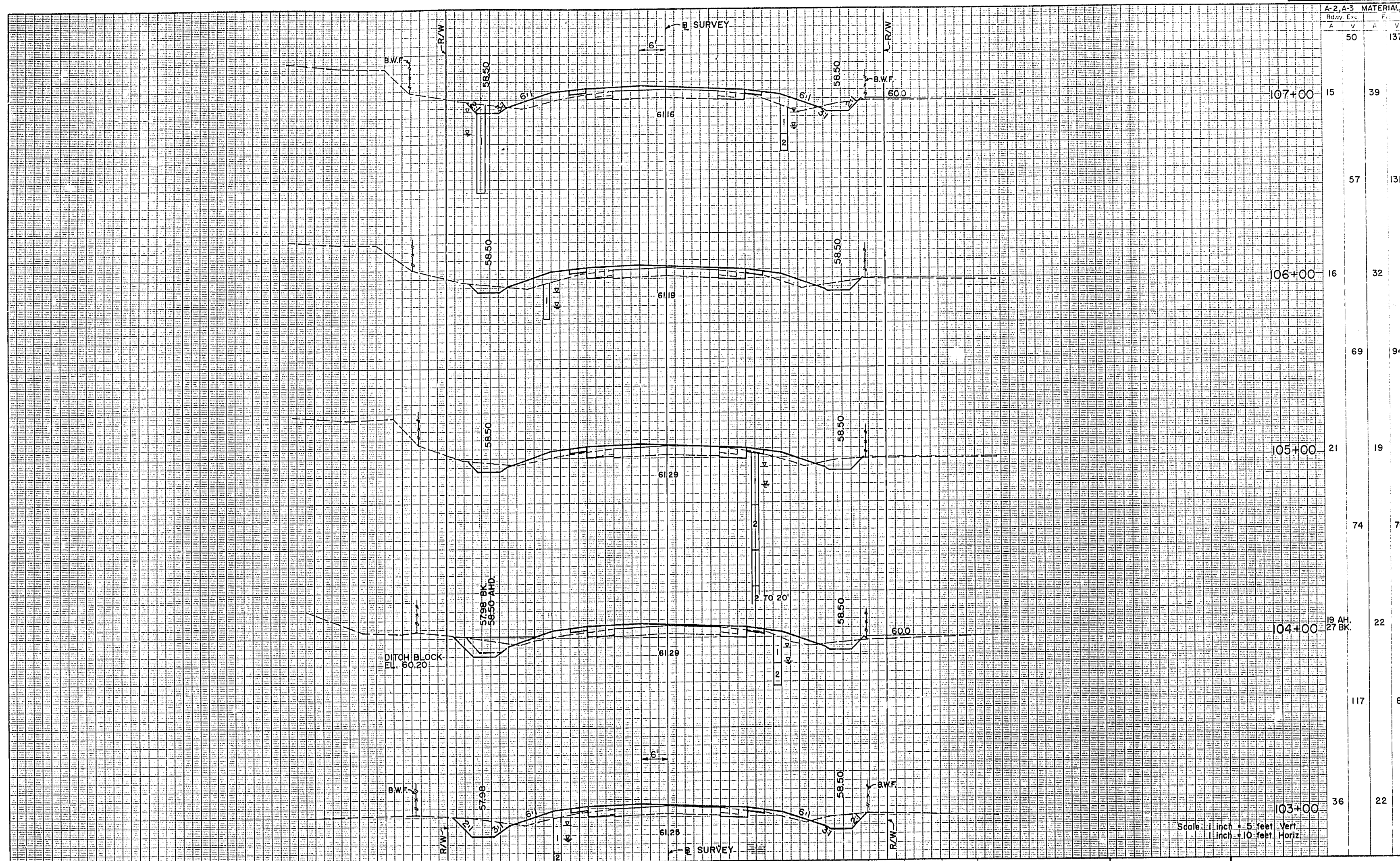
DESIGNED BY	GEF	DATE	1/93	DRAWN BY	DHB	DATE	1/93
CHECKED BY	FLB	DATE	1/93	CHECKED BY	GEF	DATE	1/93
SUPERVISED BY HUGH M. LOKEY, P.E.							

FLORIDA DEPARTMENT OF TRANSPORTATION  
 APPROVED BY *[Signature]*  
 DATE 1-11-93

**CIVIL DESIGN GROUP**  
 ENGINEERS • SURVEYORS • PLANNERS  
 ORLANDO, FLORIDA

**CROSS SECTIONS**



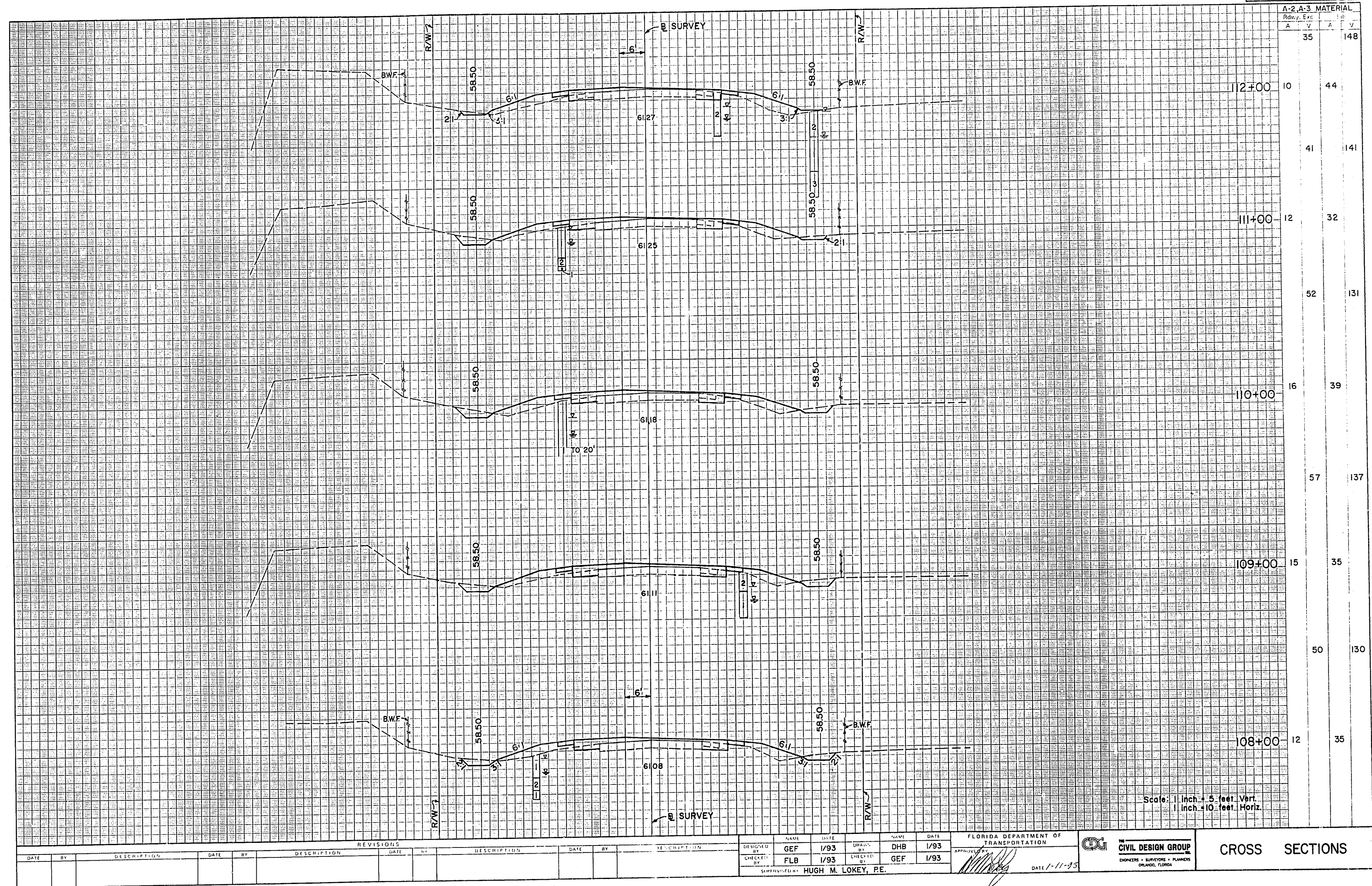


A-2, A-3		MATERIAL	
Qty	Exc.	Qty	Exc.
50		137	

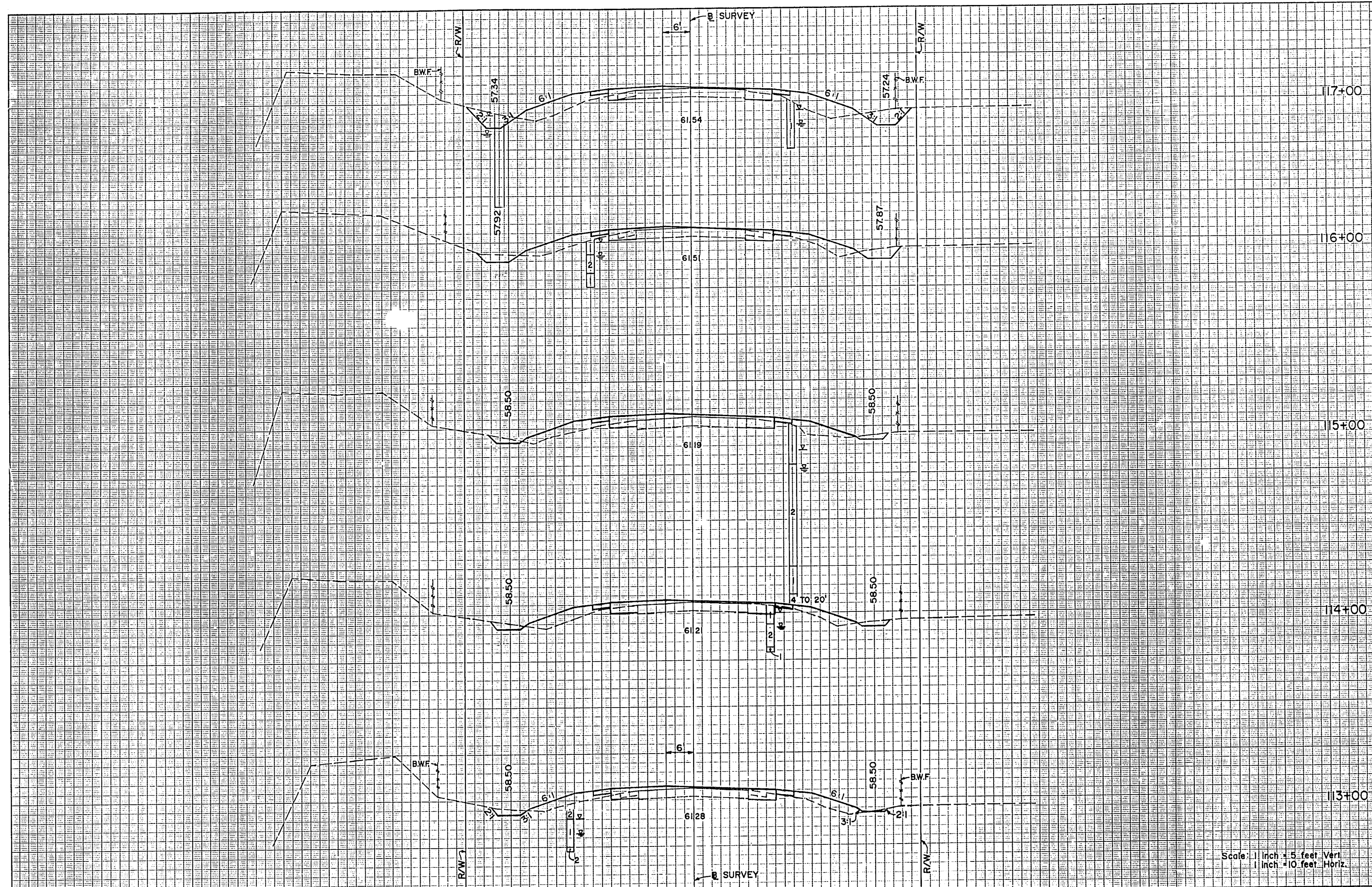
107+00	15	39
106+00	16	32
105+00	21	19
104+00	19 AH, 27 BK	22
103+00	36	22

DESIGNED BY: GEF 1/93 CHECKED BY: FLB 1/93 SUPERVISED BY: HUGH M. LOKEY, PE.				DRAWN BY: DHB 1/93 CHECKED BY: GEF 1/93				APPROVED BY: <i>[Signature]</i> DATE: 1-11-95			
REVISIONS DATE BY DESCRIPTION _____ _____ _____				FLORIDA DEPARTMENT OF TRANSPORTATION CIVIL DESIGN GROUP ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA				CROSS SECTIONS			









A-2, A-3 MATERIAL			
Rdwy. Exc.		Fill	
A	V	A	V

107	198
31	58
93	169
19	33
54	139
10	42
39	143
11	35
37	131
9	36

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

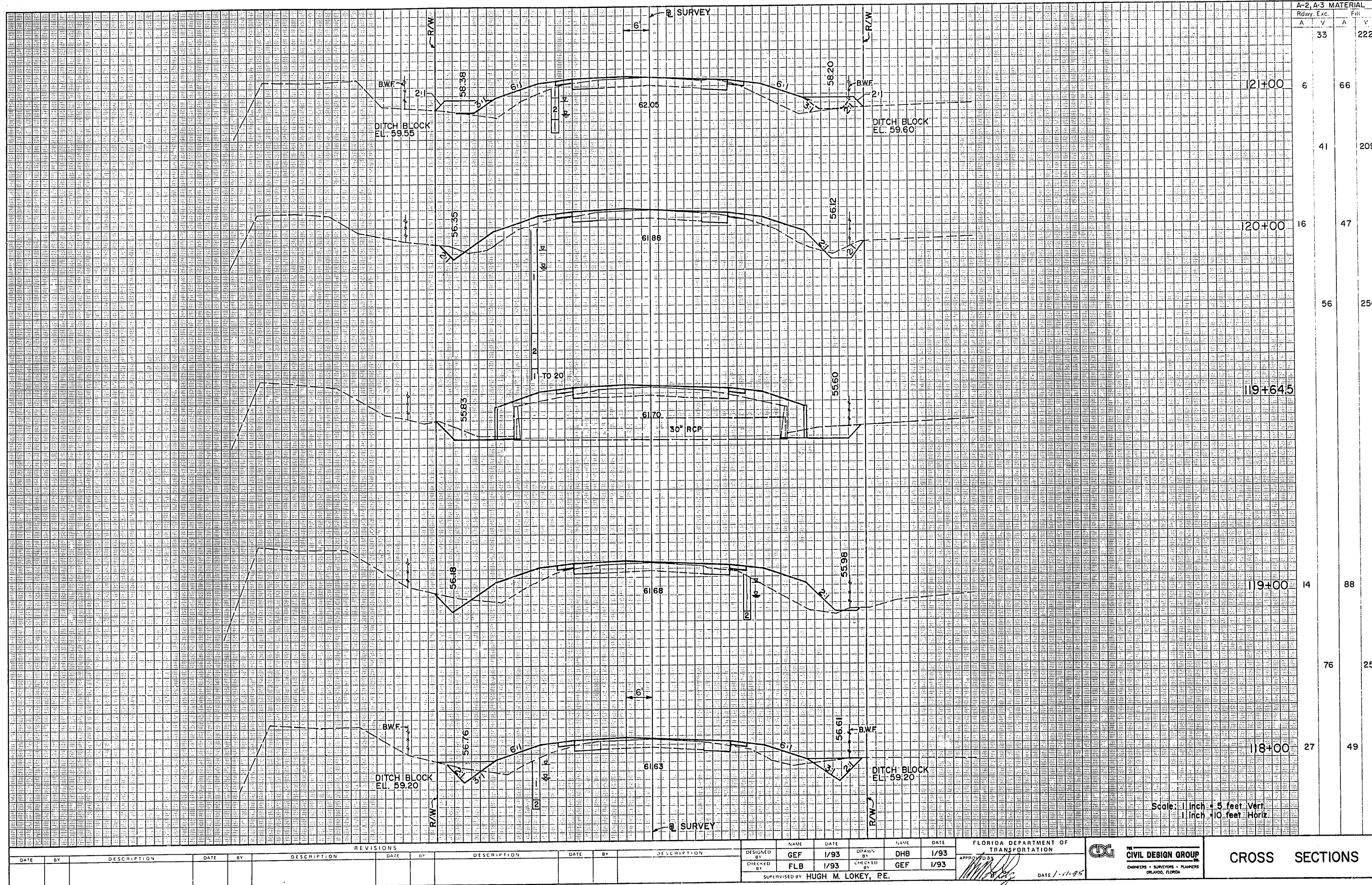
REVISIONS			
DATE	BY	DESCRIPTION	DATE

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	FLB	1/93	CHECKED BY	GEF	1/93
SUPERVISOR BY HUGH M. LOKEY, P.E.					

FLORIDA DEPARTMENT OF TRANSPORTATION		<b>CIVIL DESIGN GROUP</b> ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA
APPROVED: DATE 1-11-93		

CROSS SECTIONS

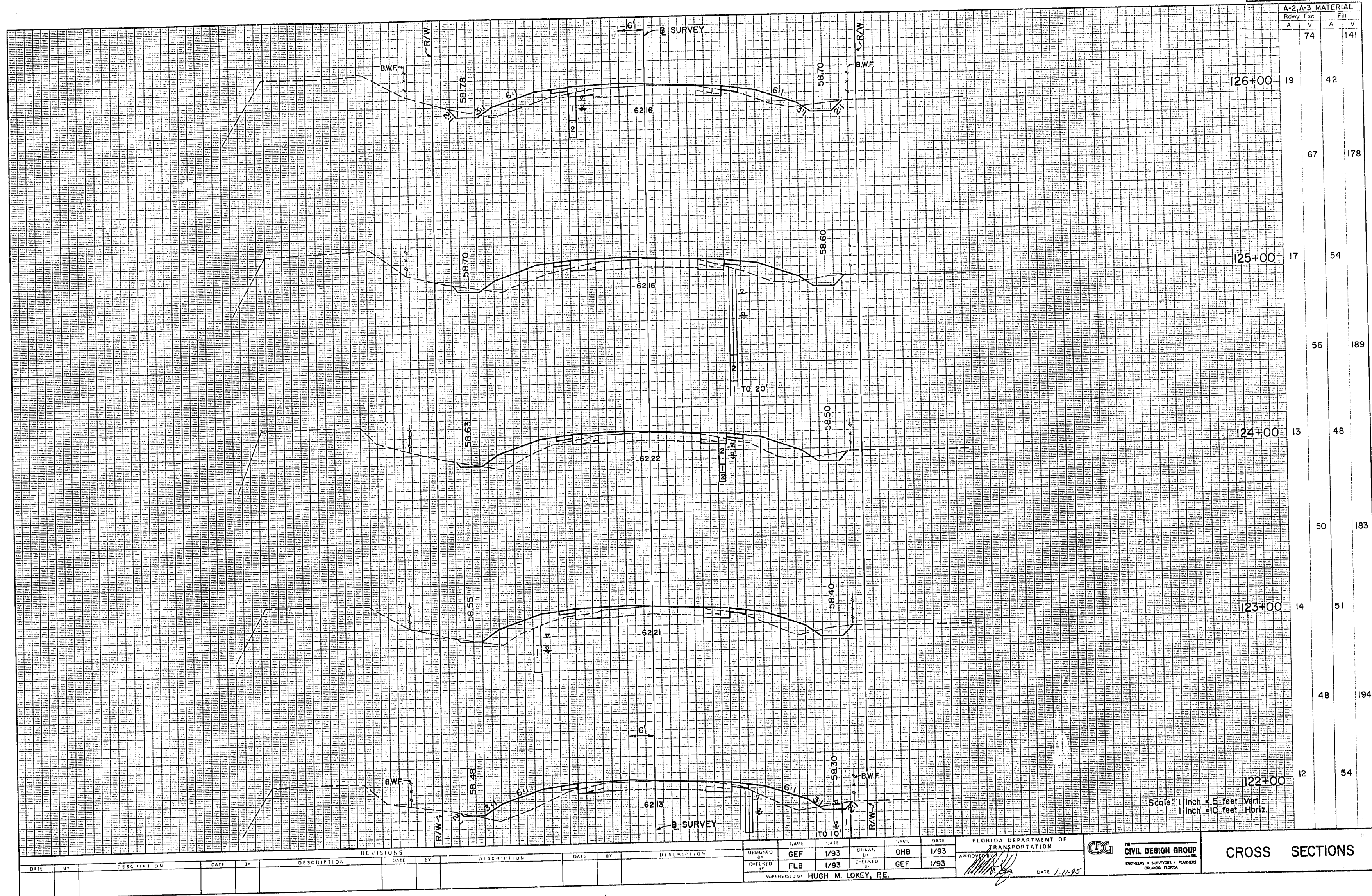






STATE PROJ. NO.  
92070-3510

SHEET NO.  
51



REVISIONS			
DATE	BY	DESCRIPTION	DATE

DESIGNED BY: GEF 1/93  
CHECKED BY: FLB 1/93  
SUPERVISOR: HUGH M. LOKEY, P.E.

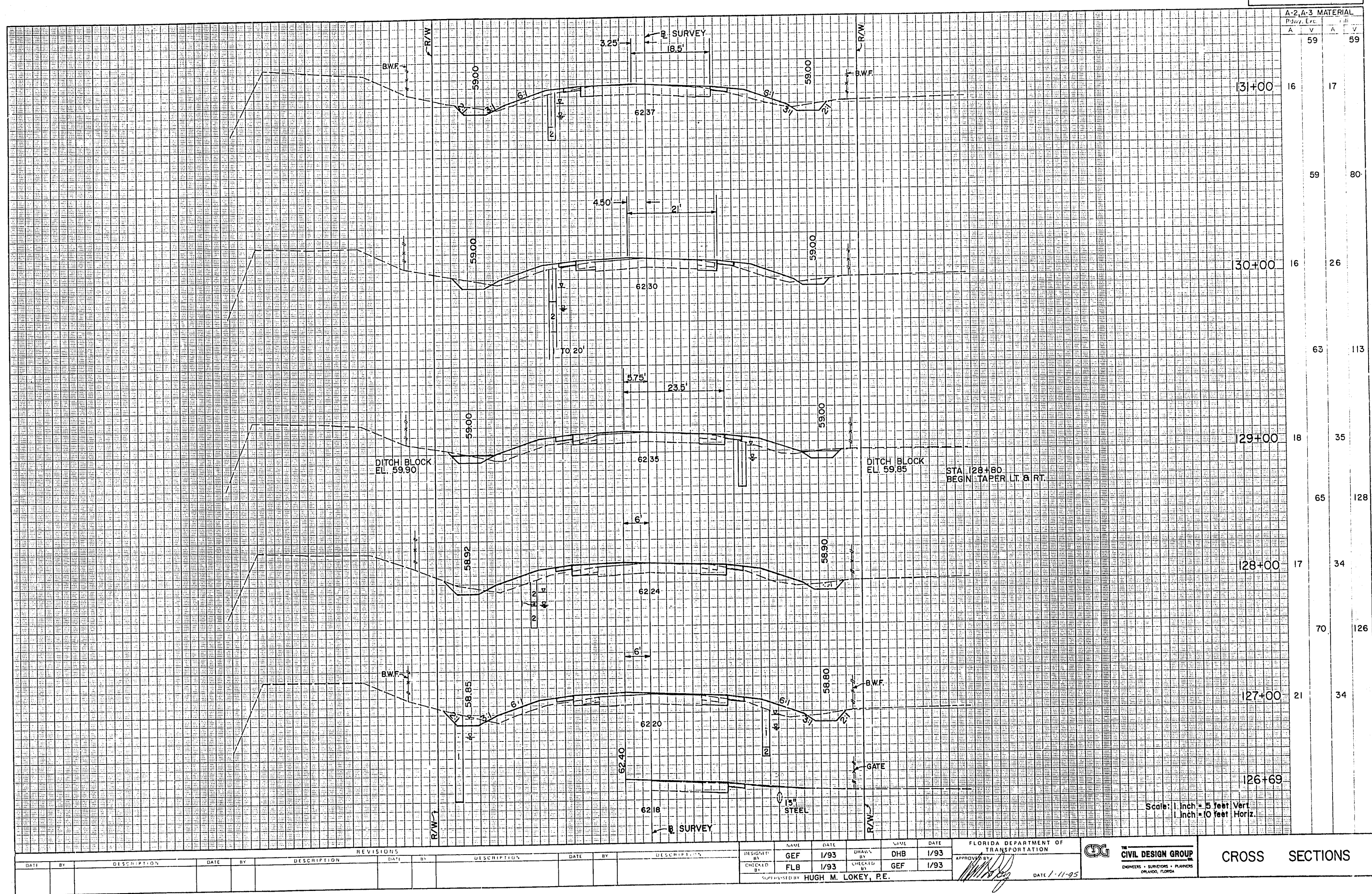
DRAWN BY: DHB 1/93  
CHECKED BY: GEF 1/93

FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED BY: [Signature] DATE: 1/11/95

**CIVIL DESIGN GROUP**  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

**CROSS SECTIONS**





REVISIONS				REVISIONS			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY

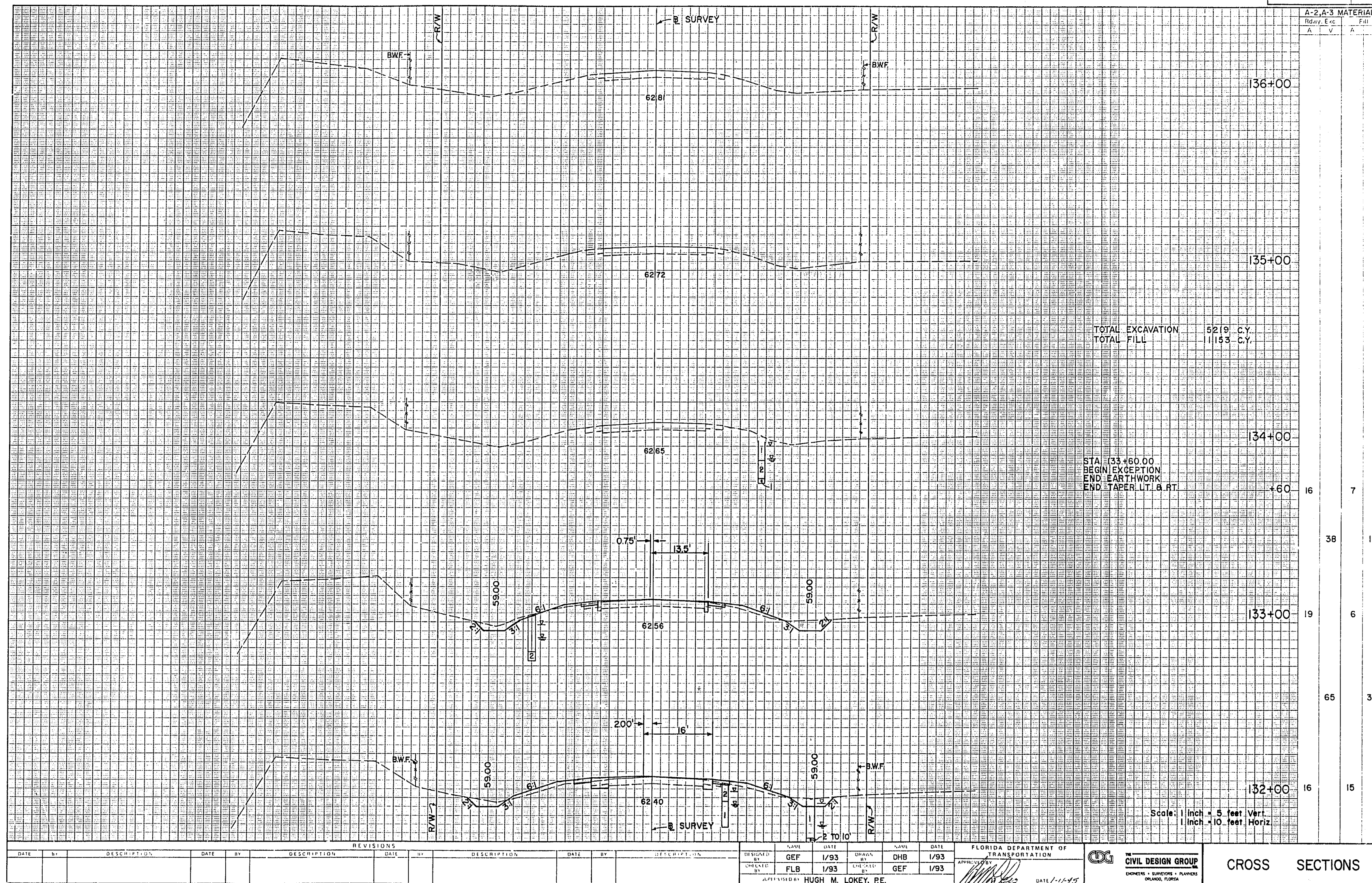
DESIGNED BY	GEF	DATE	1/93	DRAWN BY	DHB	DATE	1/93
CHECKED BY	FLB	DATE	1/93	CHECKED BY	GEF	DATE	1/93
SUPERVISOR BY HUGH M. LOKEY, P.E.							

FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED BY  
DATE 1-11-95

CIVIL DESIGN GROUP  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

CROSS SECTIONS



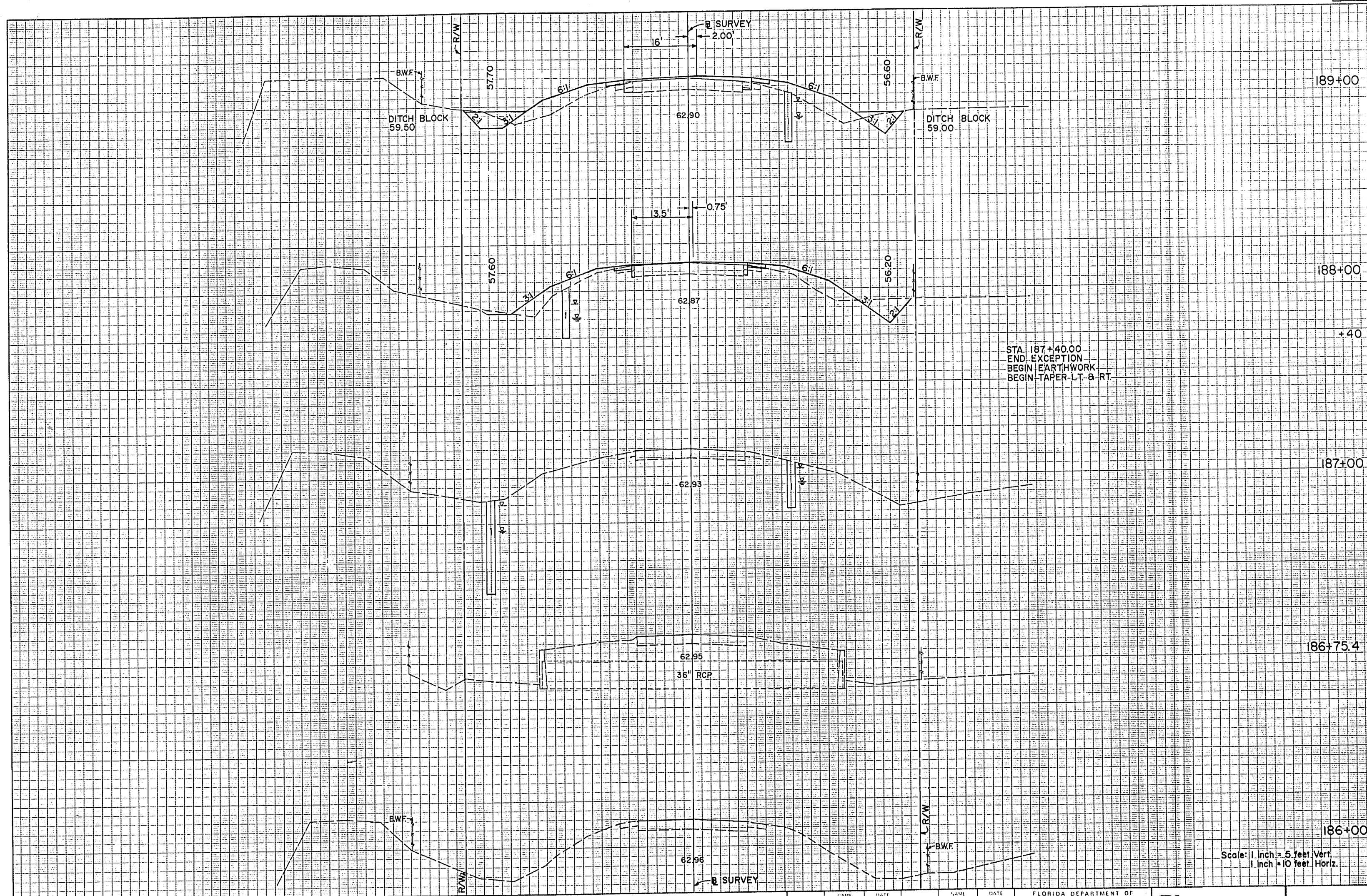


REVISIONS				DESIGNED BY				DRAWN BY				CHECKED BY				APPROVED BY			
DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION	

DESIGNED BY	GEF	DATE	1/93	DRAWN BY	DHB	DATE	1/93
CHECKED BY	FLB	DATE	1/93	CHECKED BY	GEF	DATE	1/93
APPROVED BY HUGH M. LOKEY, P.E.							

FLORIDA DEPARTMENT OF TRANSPORTATION	CIVIL DESIGN GROUP	CROSS SECTIONS
ENGINEERS • SURVEYORS • PLANNERS	ORLANDO, FLORIDA	





A-2, A-3	MATERIAL
Exc	Exc
87	180
22	49
69	176
15	46
23	127
6	68

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

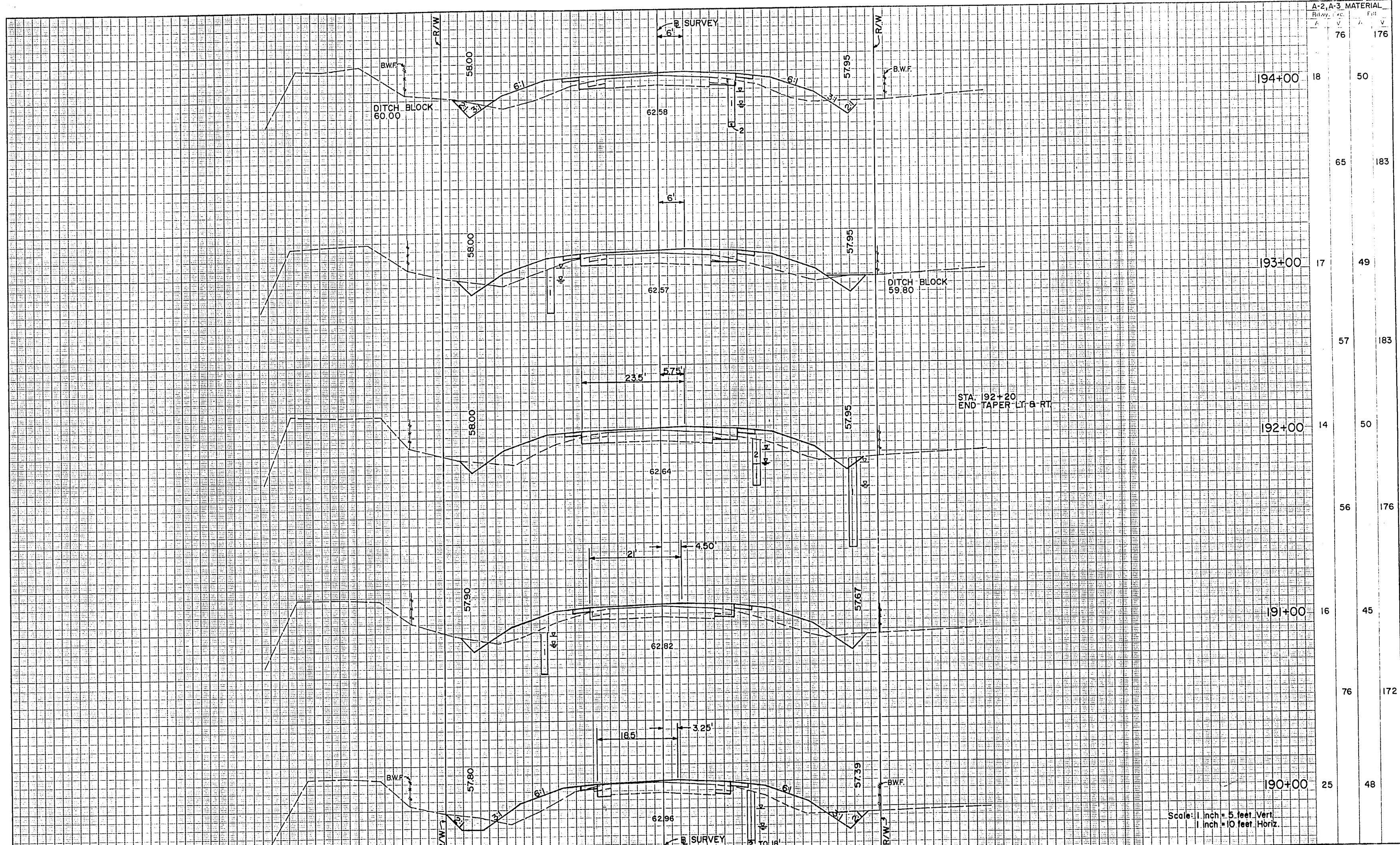
DESIGNED BY	FLB	DATE	1/93	DRAWN BY	DHB	DATE	1/93
CHECKED BY	GEF	DATE	1/93	CHECKED BY	FLB	DATE	1/93
SUPERVISED BY HUGH M. LOKEY, P.E.							

FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED BY  
DATE 1-11-95

CIVIL DESIGN GROUP  
ENGINEERS - SURVEYORS - PLANNERS  
ORLANDO, FLORIDA

CROSS SECTIONS



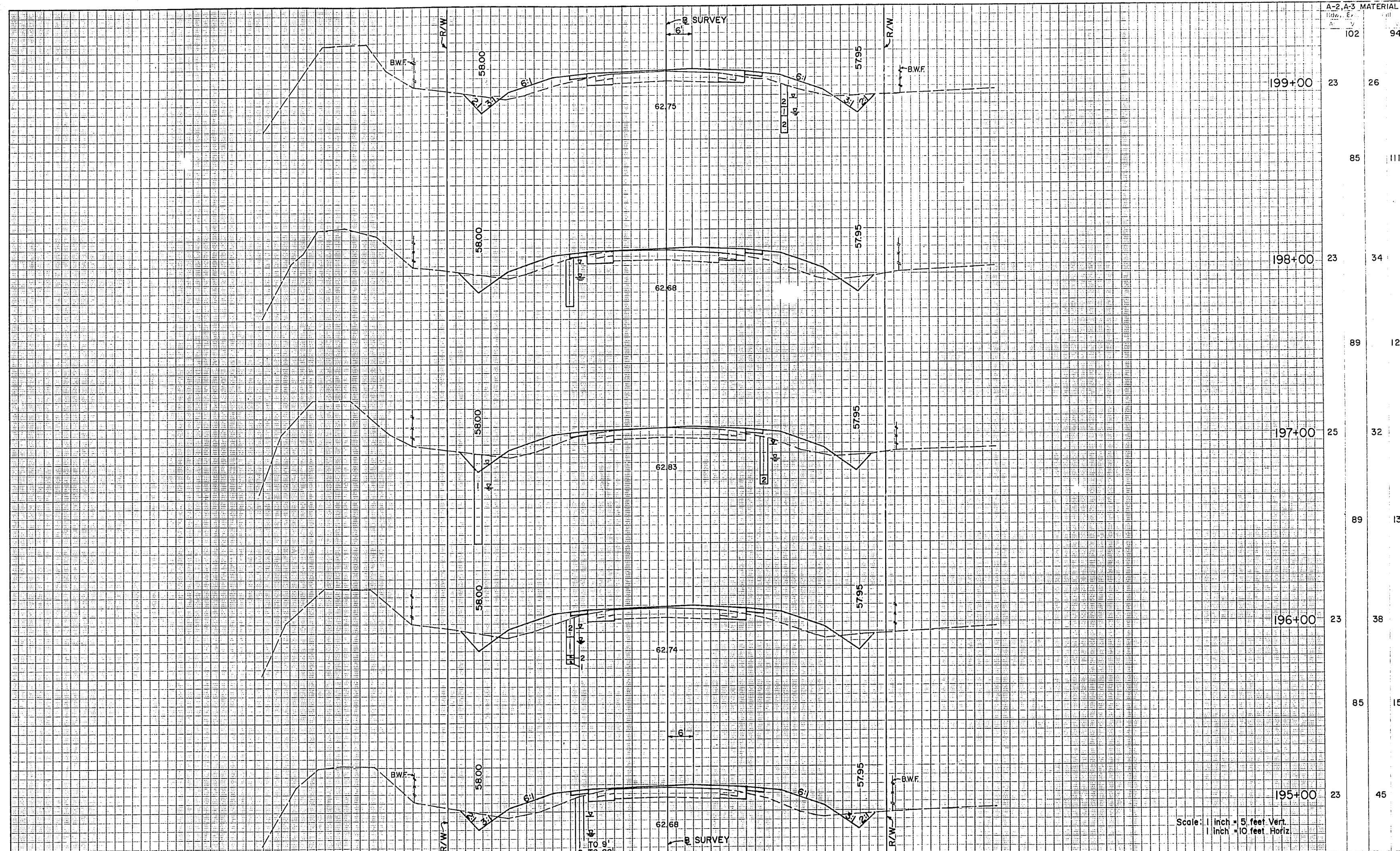


A-2, A-3 MATERIAL		FILL	
Subgrade	Base	Subgrade	Base
76	176	76	176
18	50	18	50
65	183	65	183
17	49	17	49
57	183	57	183
14	50	14	50
56	176	56	176
16	45	16	45
76	172	76	172
25	48	25	48

REVISIONS DATE BY DESCRIPTION  				FLORIDA DEPARTMENT OF TRANSPORTATION CIVIL DESIGN GROUP ENGINEERS - SURVEYORS - PLANNERS ORLANDO, FLORIDA			
DESIGNED BY	FLB	DATE	1/93	DRAWN BY	DHB	DATE	1/93
CHECKED BY	GEF	DATE	1/93	CHECKED BY	FLB	DATE	1/93
SUPERVISED BY: HUGH M. LOKEY, P.E.							

CROSS SECTIONS





Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS				DESIGNED BY				DRAWN BY				CHECKED BY				APPROVED BY			
DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION	

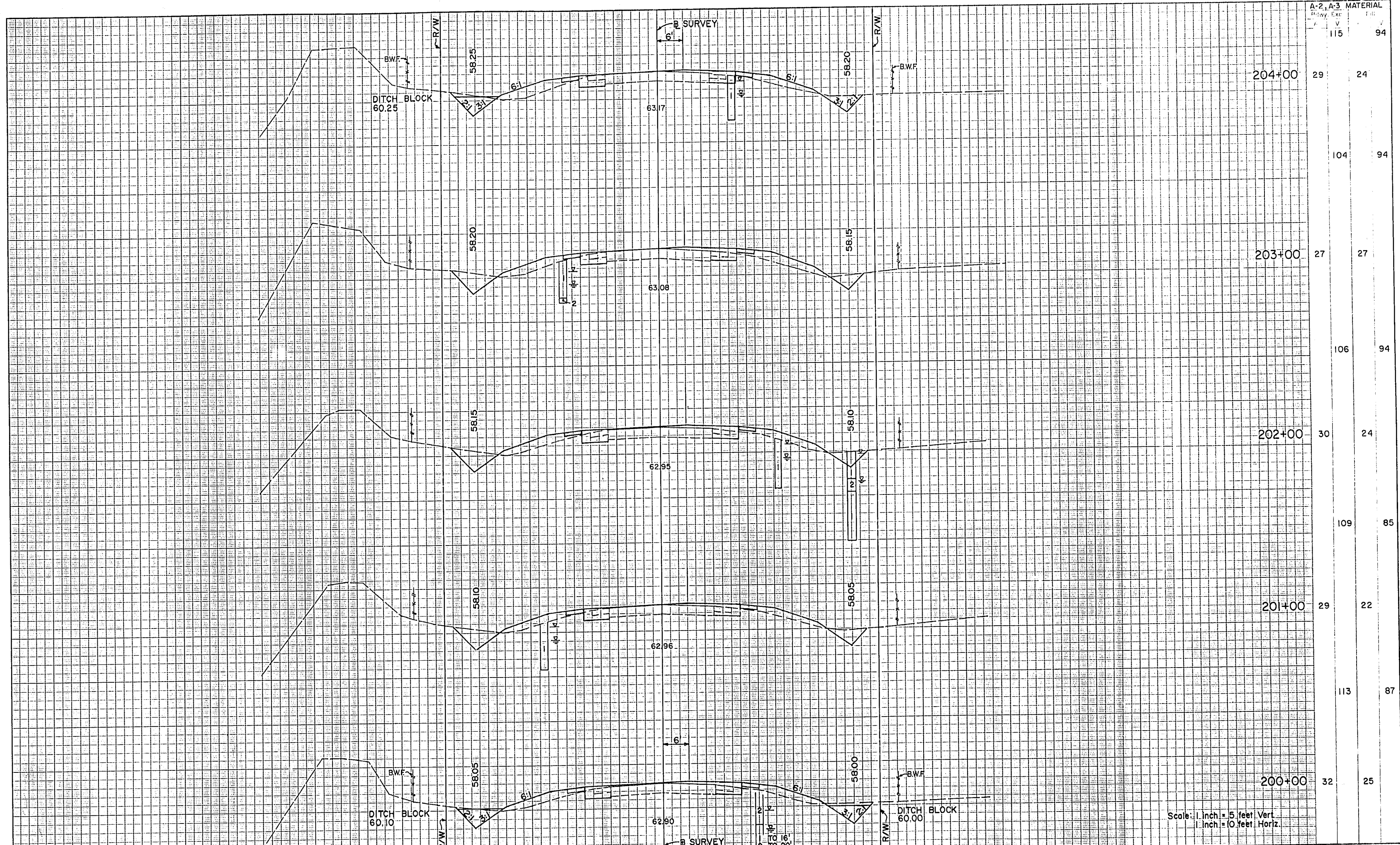
DESIGNED BY: FLB 1/93  
CHECKED BY: GEF 1/93  
SUPERVISED BY: HUGH M. LOKEY, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED: [Signature] DATE: 1-11-95

**CIVIL DESIGN GROUP**  
ENGINEERS - SURVEYORS - PLANNERS  
ORLANDO, FLORIDA

**CROSS SECTIONS**





A-2, A-3	MATERIAL	
115	94	
29	24	
104	94	
27	27	
106	94	
30	24	
109	85	
29	22	
113	87	
32	25	

DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION	

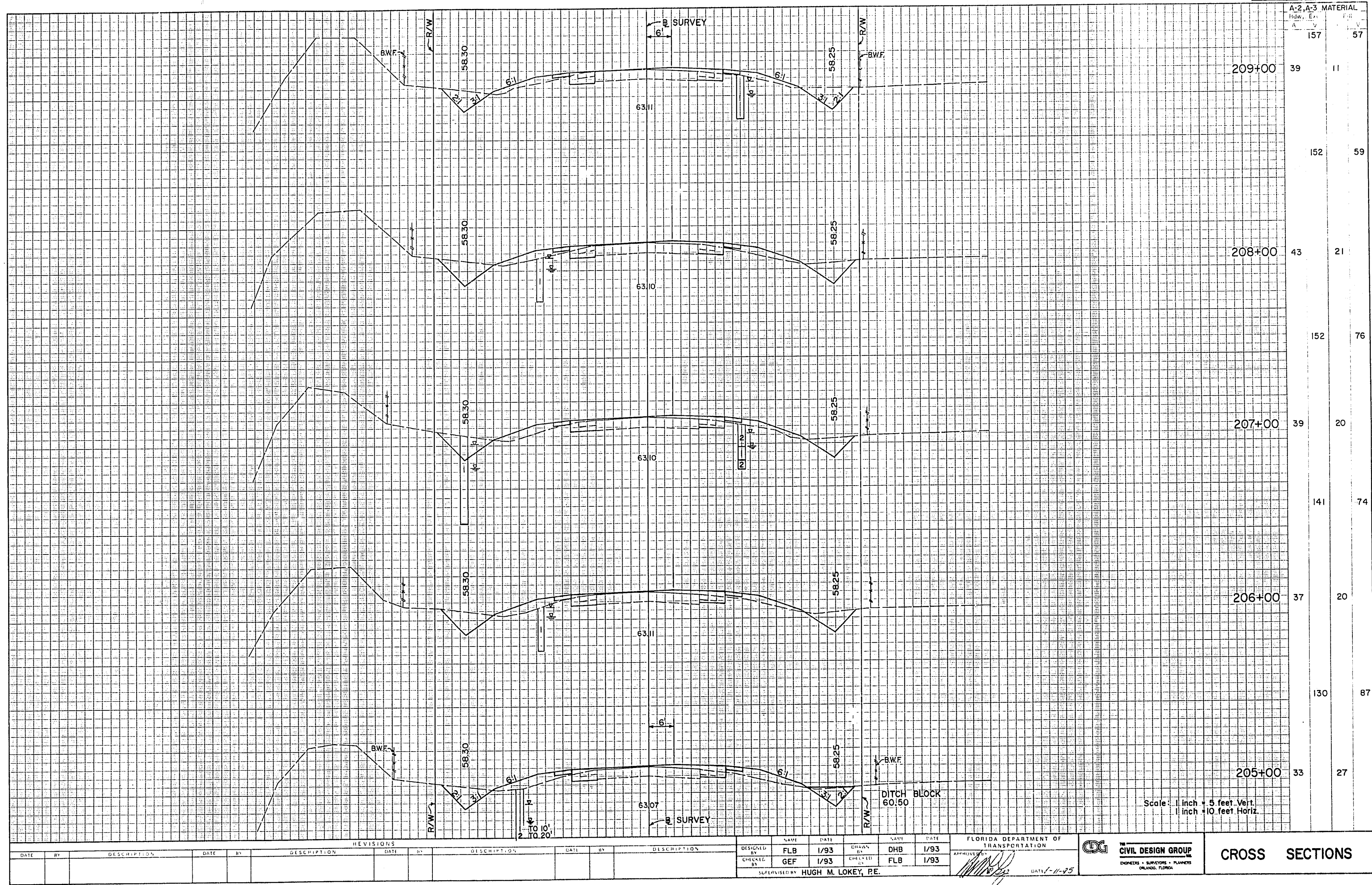
DESIGNED BY	FLB	DATE	1/93	DRAWN BY	DHB	DATE	1/93
CHECKED BY	GEF	DATE	1/93	CHECKED BY	FLB	DATE	1/93

FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED: *[Signature]* DATE 1-17-95  
SUPERVISOR: HUGH M. LOKEY, P.E.

**CIVIL DESIGN GROUP**  
ENGINEERS - SURVEYORS - PLANNERS  
ORLANDO, FLORIDA

**CROSS SECTIONS**





A-2, A-3	MATERIAL
157	57
39	11
152	59
43	21
152	76
39	20
141	74
37	20
130	87
33	27

REVISIONS			
DATE	BY	DESCRIPTION	

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
FLB	FLB	1/93	DHB	DHB	1/93
GEF	GEF	1/93	FLB	FLB	1/93

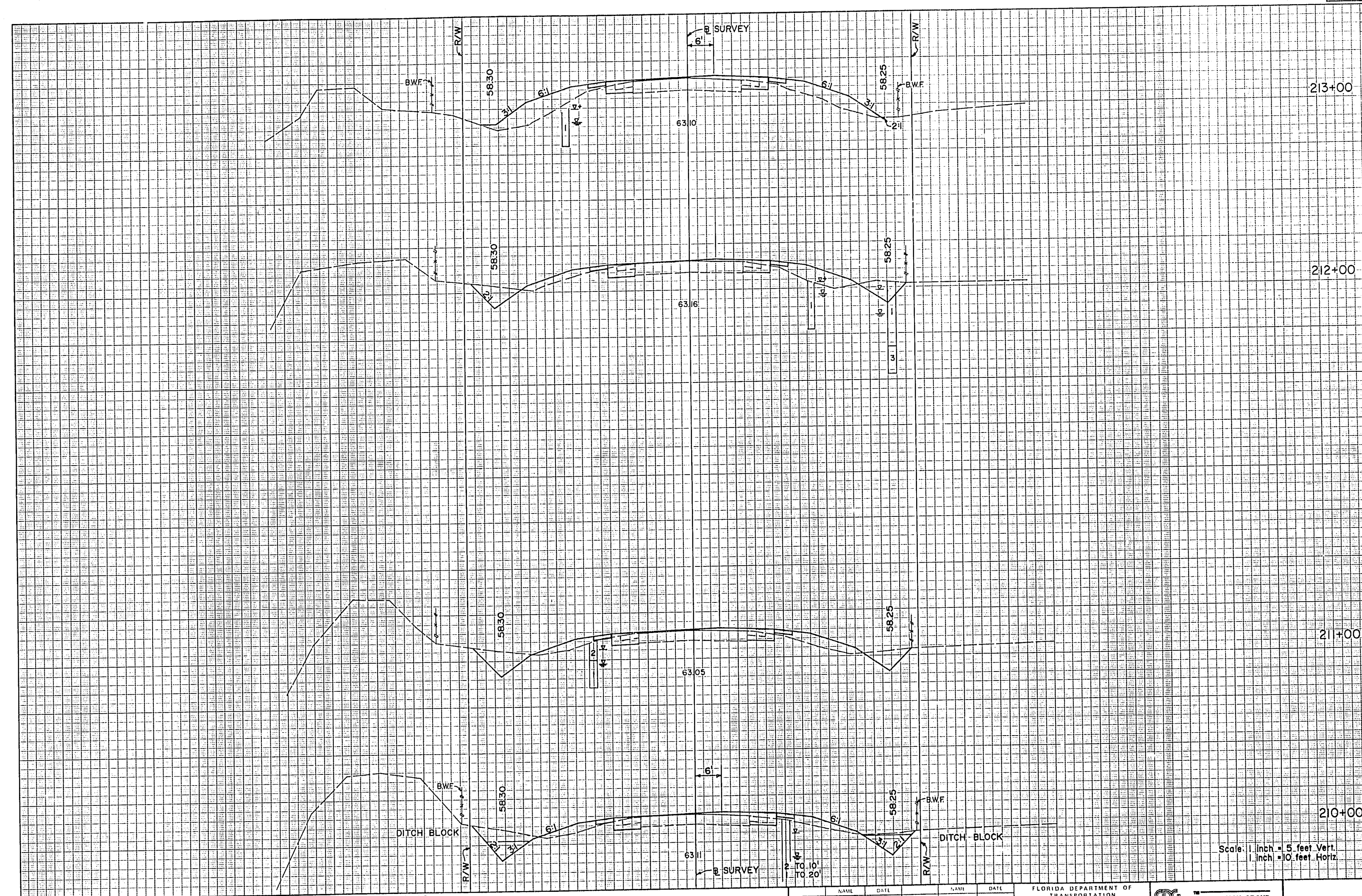
SUPERVISED BY: HUGH M. LOKEY, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION

CIVIL DESIGN GROUP  
DIANESE • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

CROSS SECTIONS

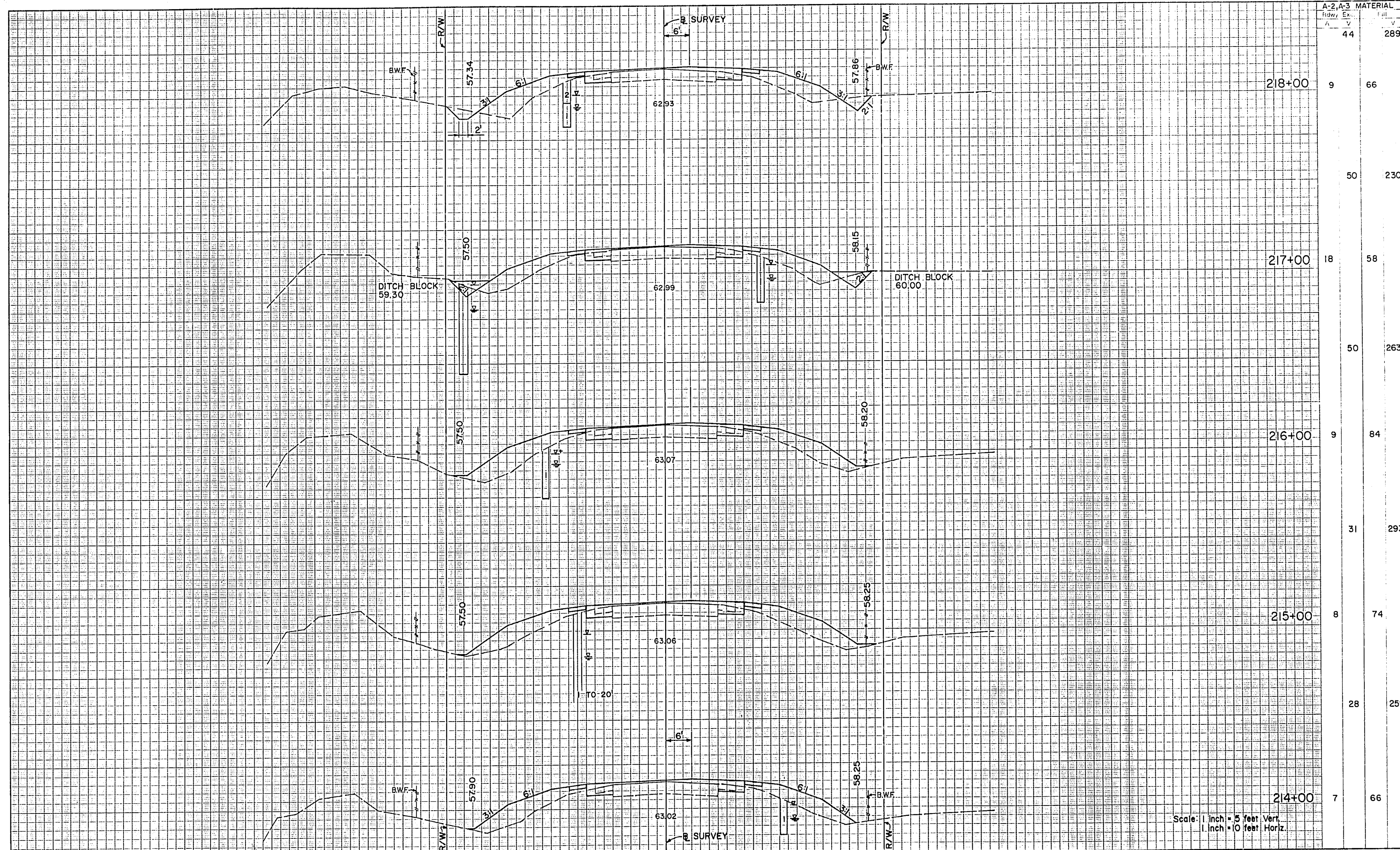




A-2, A-3 MATERIAL		MATERIAL	
Rwy.	Exc.	Fill	Sub
28		243	
8		65	
	81	185	
36		35	
	137	109	
38		24	
	156	81	
46		20	

REVISIONS DATE BY DESCRIPTION  				DESIGNED BY: FLB 1/93 CHECKED BY: GEF 1/93 SUPERVISED BY: HUGH M. LOKEY, P.E.				DRAWN BY: DHB 1/93 CHECKED BY: FLB 1/93 APPROVED BY: <i>[Signature]</i> DATE: 1-11-95				FLORIDA DEPARTMENT OF TRANSPORTATION CIVIL DESIGN GROUP ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA		<b>CROSS SECTIONS</b>	
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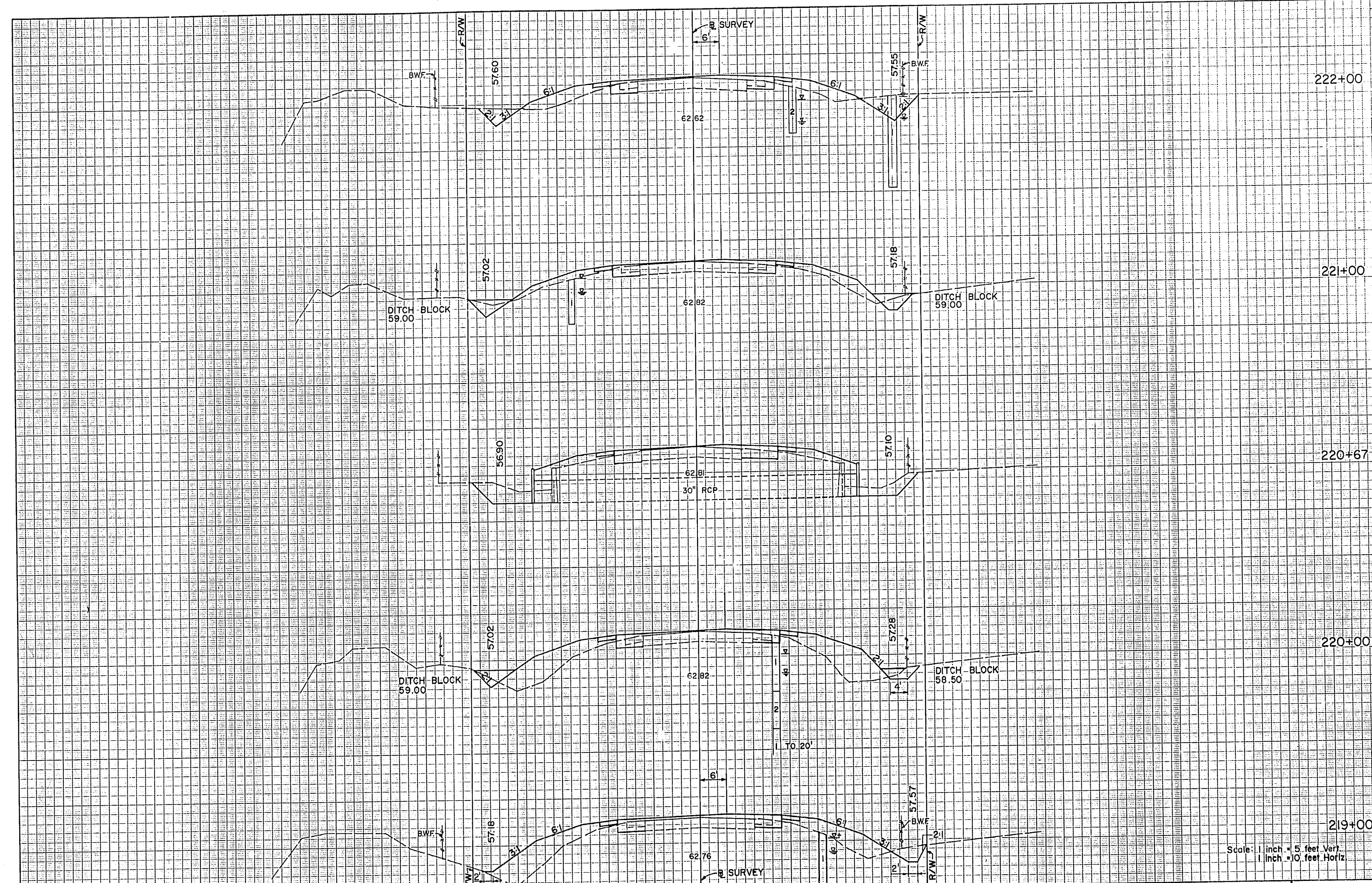
A-2, A-3	MATERIAL	
	Ex.	Fill
44	44	289
9	66	
50	230	
18	58	
50	263	
9	84	
31	293	
8	74	
28	259	
7	66	

DESIGNED BY: FLB 1/93 CHECKED BY: GEF 1/93 SUPERVISED BY: HUGH M. LOKEY, RE.				DRAWN BY: DHB 1/93 CHECKED BY: FLB 1/93				APPROVED BY: <i>[Signature]</i> DATE: 1-14-95 FLORIDA DEPARTMENT OF TRANSPORTATION				CIVIL DESIGN GROUP ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA				<b>CROSS SECTIONS</b>			
------------------------------------------------------------------------------------	--	--	--	--------------------------------------------	--	--	--	---------------------------------------------------------------------------------------	--	--	--	----------------------------------------------------------------------------	--	--	--	-----------------------	--	--	--



STATION NO. 92070-3510 61

A-2, A-3	MATERIAL
Exc.	Exc.
146	122



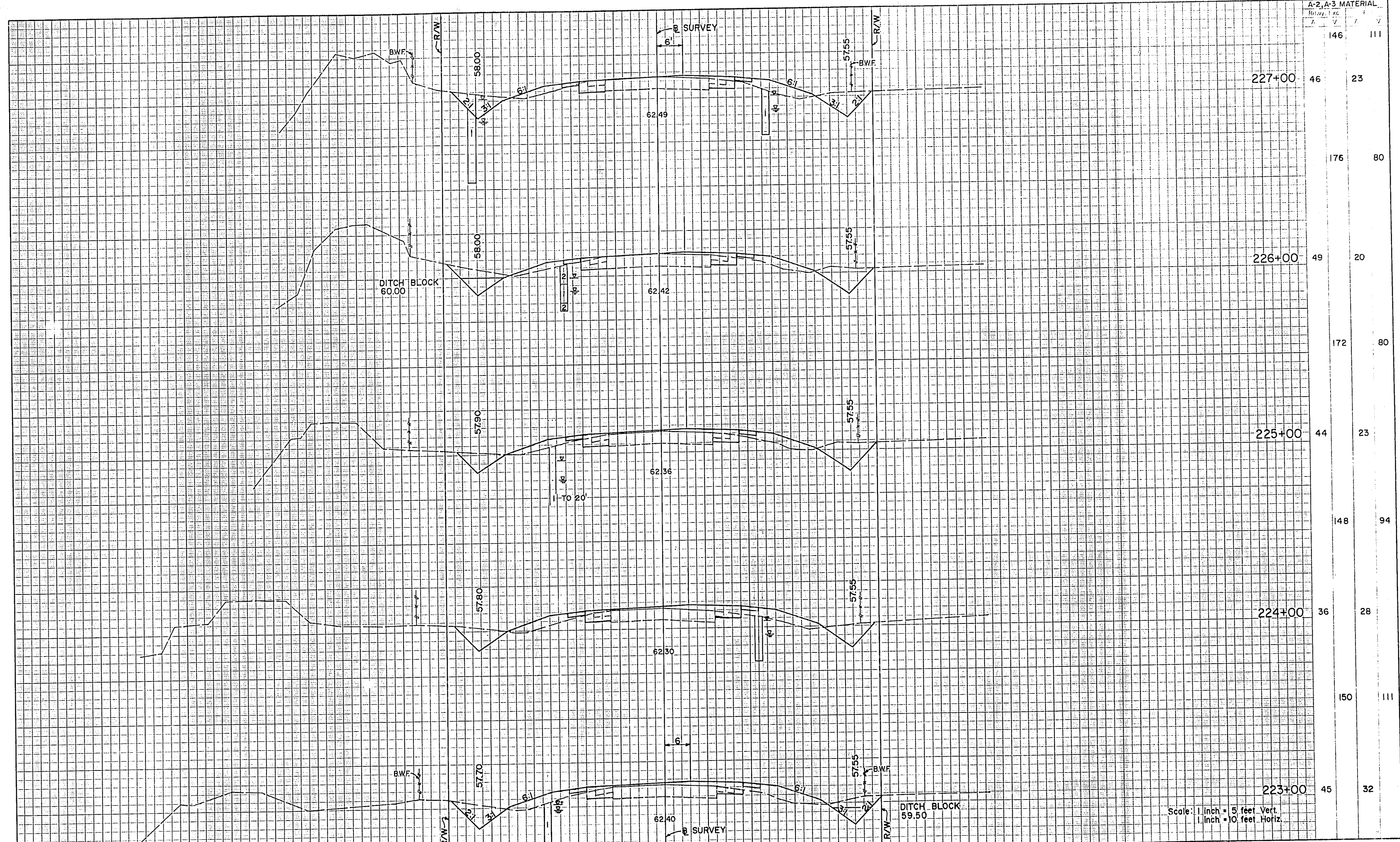
222+00	34	34
	100	115
221+00	20	28
220+67	69	228
220+00	17	95
	59	343
219+00	15	90

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS DATE BY DESCRIPTION  				DESIGNED BY: FLB 1/93 CHECKED BY: GEF 1/93 SUPERVISOR: HUGH M. LOKEY, P.E.				DRAWN BY: DHB 1/93 APPROVED BY: <i>[Signature]</i> 1/95 DATE: 1-11-95				FLORIDA DEPARTMENT OF TRANSPORTATION CIVIL DESIGN GROUP ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA		<b>CROSS SECTIONS</b>	
------------------------------------------	--	--	--	----------------------------------------------------------------------------------	--	--	--	-----------------------------------------------------------------------------	--	--	--	--------------------------------------------------------------------------------------------------------------------	--	-----------------------	--



A-2, A-3 MATERIAL			
Relay	1	2	3
A	✓	✓	✓
B	✓	✓	✓
C	✓	✓	✓
D	✓	✓	✓
E	✓	✓	✓
F	✓	✓	✓
G	✓	✓	✓
H	✓	✓	✓
I	✓	✓	✓
J	✓	✓	✓
K	✓	✓	✓
L	✓	✓	✓
M	✓	✓	✓
N	✓	✓	✓
O	✓	✓	✓
P	✓	✓	✓
Q	✓	✓	✓
R	✓	✓	✓
S	✓	✓	✓
T	✓	✓	✓
U	✓	✓	✓
V	✓	✓	✓
W	✓	✓	✓
X	✓	✓	✓
Y	✓	✓	✓
Z	✓	✓	✓



REVISIONS				DESIGNED BY				CHECKED BY				DATE				BY				DATE			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

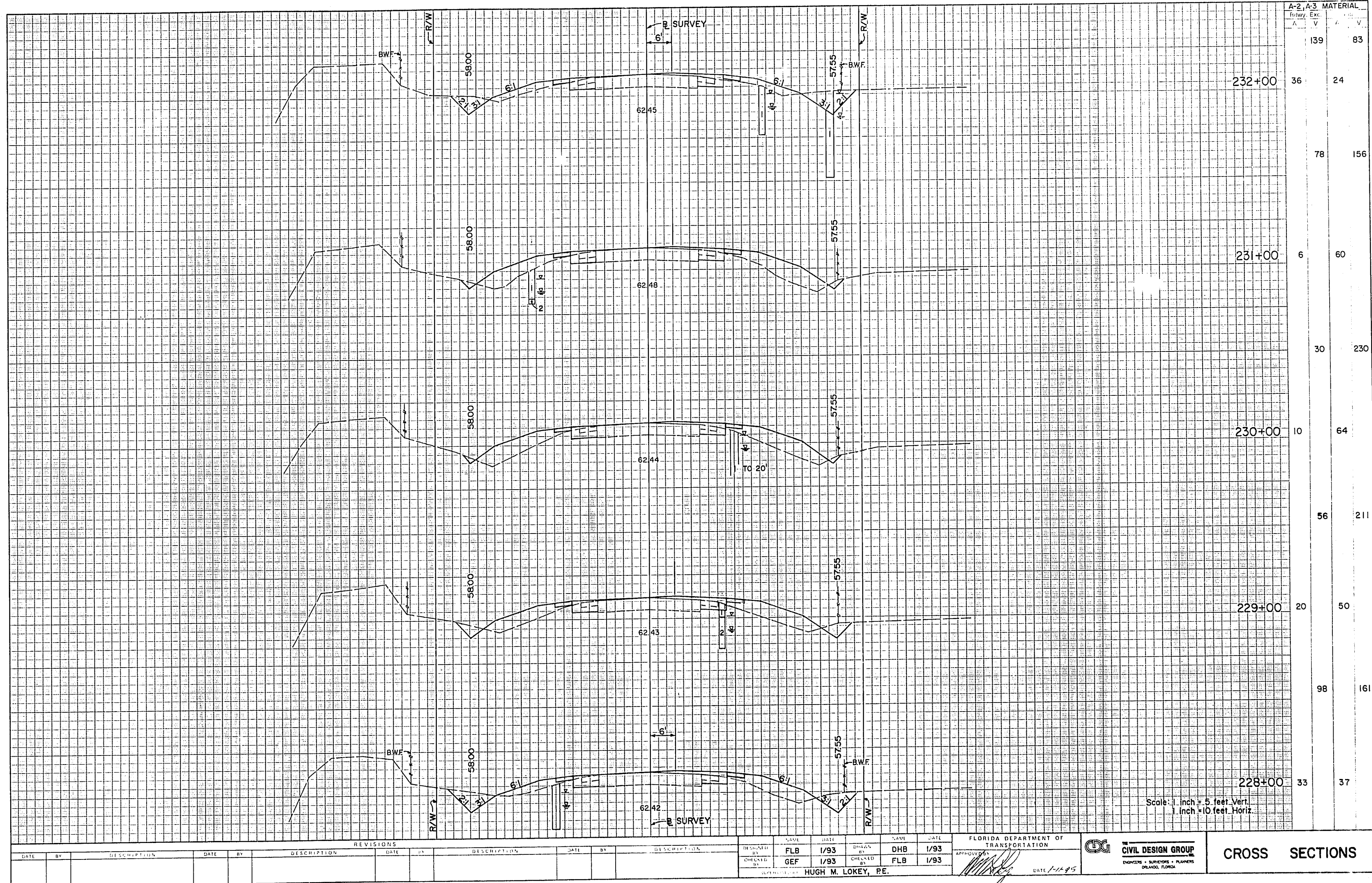
DESIGNED BY  
FLB 1/93  
CHECKED BY  
GEF 1/93  
SUPERVISOR BY  
HUGH M. LOKEY, P.E.

FLORIDA DEPARTMENT OF  
TRANSPORTATION  
APPROVED  
DATE 1-11-95

**CIVIL DESIGN GROUP**  
ENGINEERS - SURVEYORS - PLANNERS  
ORLANDO, FLORIDA

**CROSS SECTIONS**

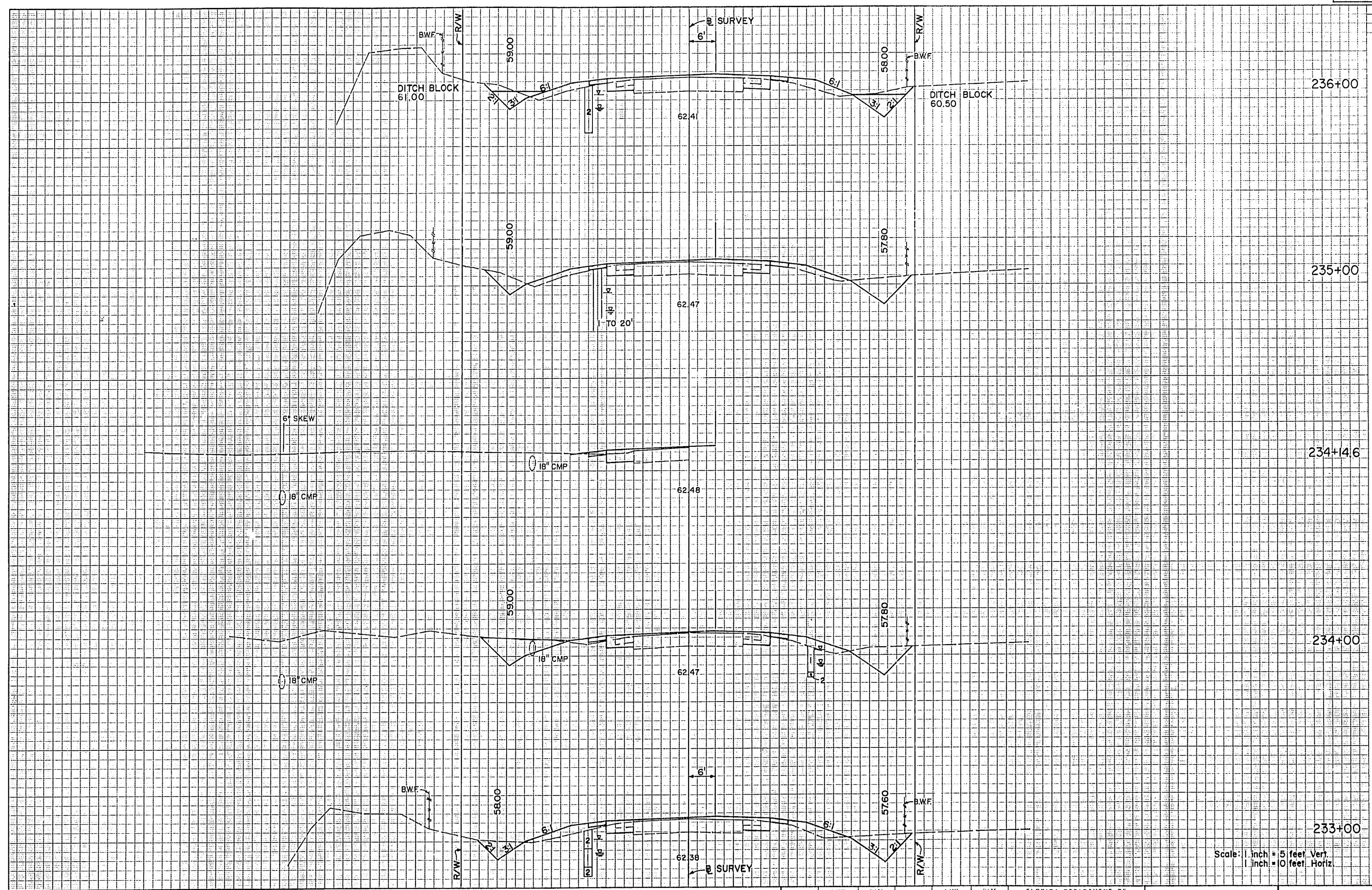




REVISIONS				DESIGNED BY				DRAWN BY				CHECKED BY				APPROVED BY			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY

FLB	1/93	DHB	1/93	FLORIDA DEPARTMENT OF TRANSPORTATION				CIVIL DESIGN GROUP				CROSS SECTIONS			
GEF	1/93	FLB	1/93	HUGH M. LOKEY, P.E.				ENGINEERS & SURVEYORS - PLANNERS							

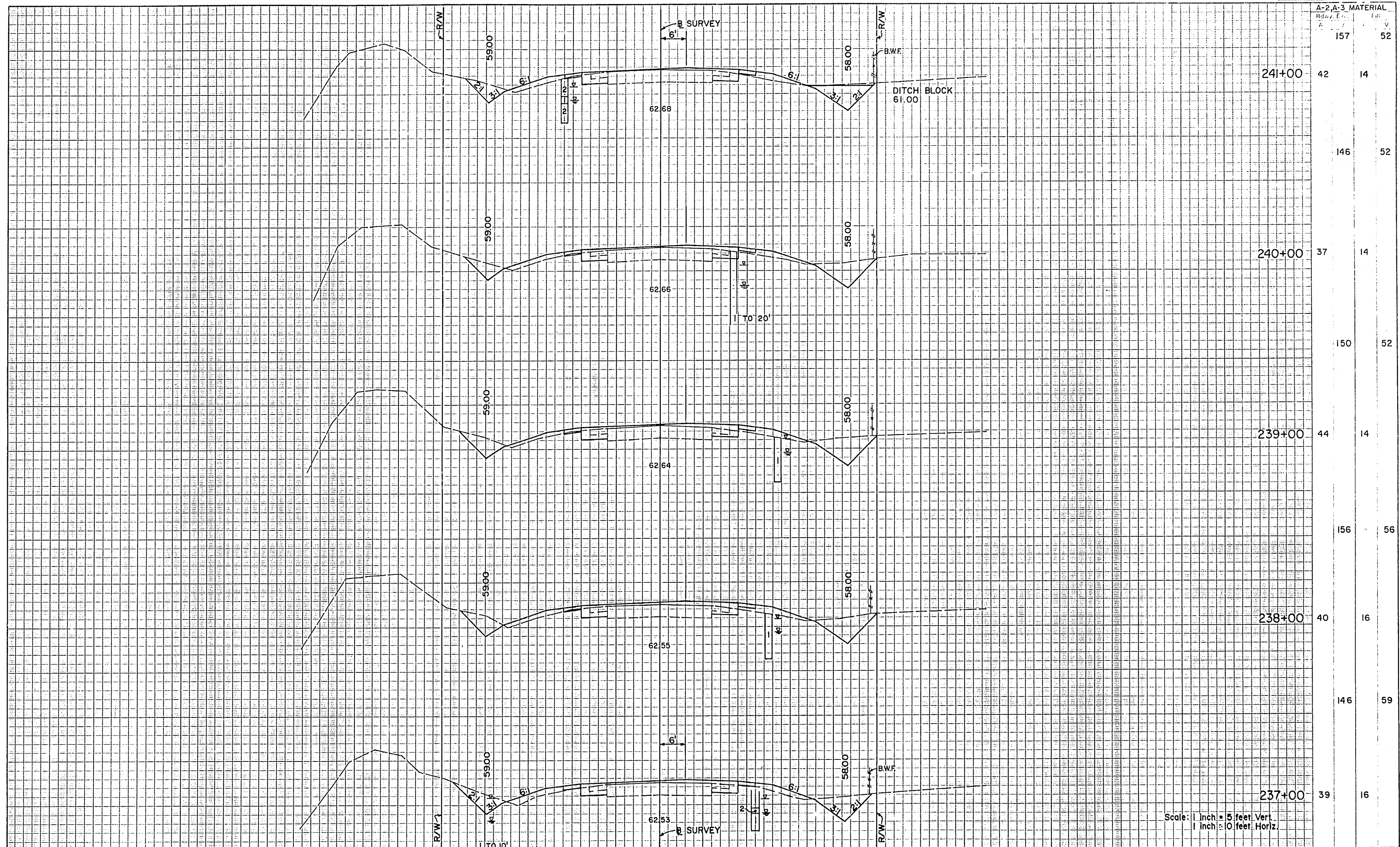




A-2 A-3 MATERIAL			
Row	Exc.	Vol.	Vol.
141		67	
37	20		
137	65		
37	15		
174	52		
57	13		
178	63		
39	21		

REVISIONS DATE BY DESCRIPTION _____ _____ _____				DESIGNED BY GEF 1/93 CHECKED BY FLB 1/93 SUPERVISED BY HUGH M. LOKEY, P.E.				DRAWN BY DHB 1/93 CHECKED BY GEF 1/93 DATE 1-11-93				FLORIDA DEPARTMENT OF TRANSPORTATION CIVIL DESIGN GROUP ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA				CROSS SECTIONS			
-------------------------------------------------------------	--	--	--	----------------------------------------------------------------------------------	--	--	--	----------------------------------------------------------	--	--	--	--------------------------------------------------------------------------------------------------------------------	--	--	--	----------------	--	--	--





REVISIONS				DESIGNED BY				CHECKED BY				APPROVED BY			
DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION		DATE	BY	DESCRIPTION	

DESIGNED BY: FLB 1/93  
 CHECKED BY: GEF 1/93  
 SUPERVISED BY: HUGH M. LOKEY, P.E.

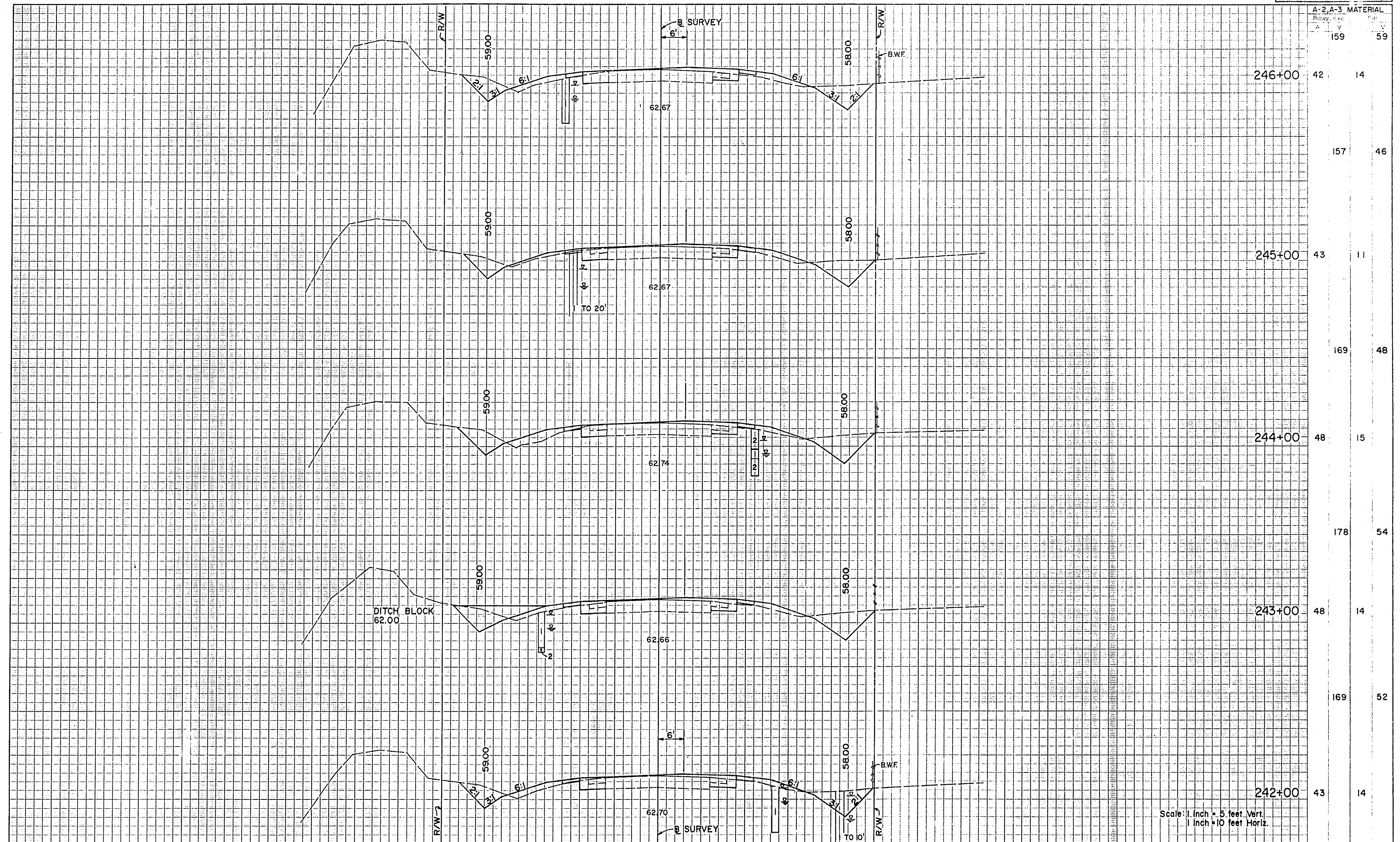
FLORIDA DEPARTMENT OF TRANSPORTATION  
 APPROVED BY: [Signature] DATE: 1-11-93

CIVIL DESIGN GROUP  
 ENGINEERS • SURVEYORS • PLANNERS  
 ORLANDO, FLORIDA

CROSS SECTIONS

A-2, A-3 MATERIAL	PER	FEET
157	52	
42	14	
146	52	
37	14	
150	52	
44	14	
156	56	
40	16	
146	59	
39	16	





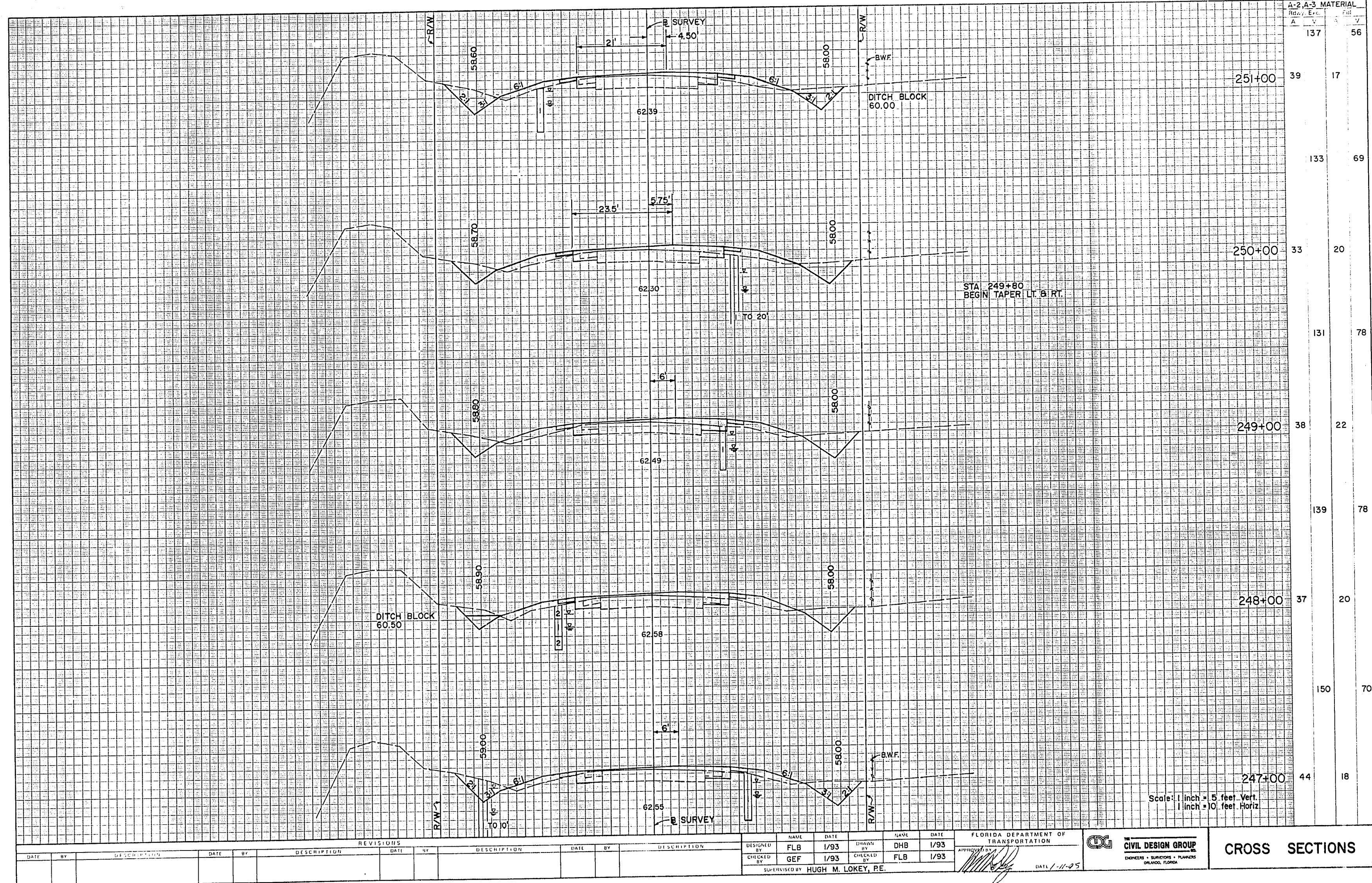
A-2, A-3 MATERIAL

Subgrade	159	59
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DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION	
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CROSS SECTIONS





REVISIONS				DESIGN				CHECKS				APPROVALS			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE

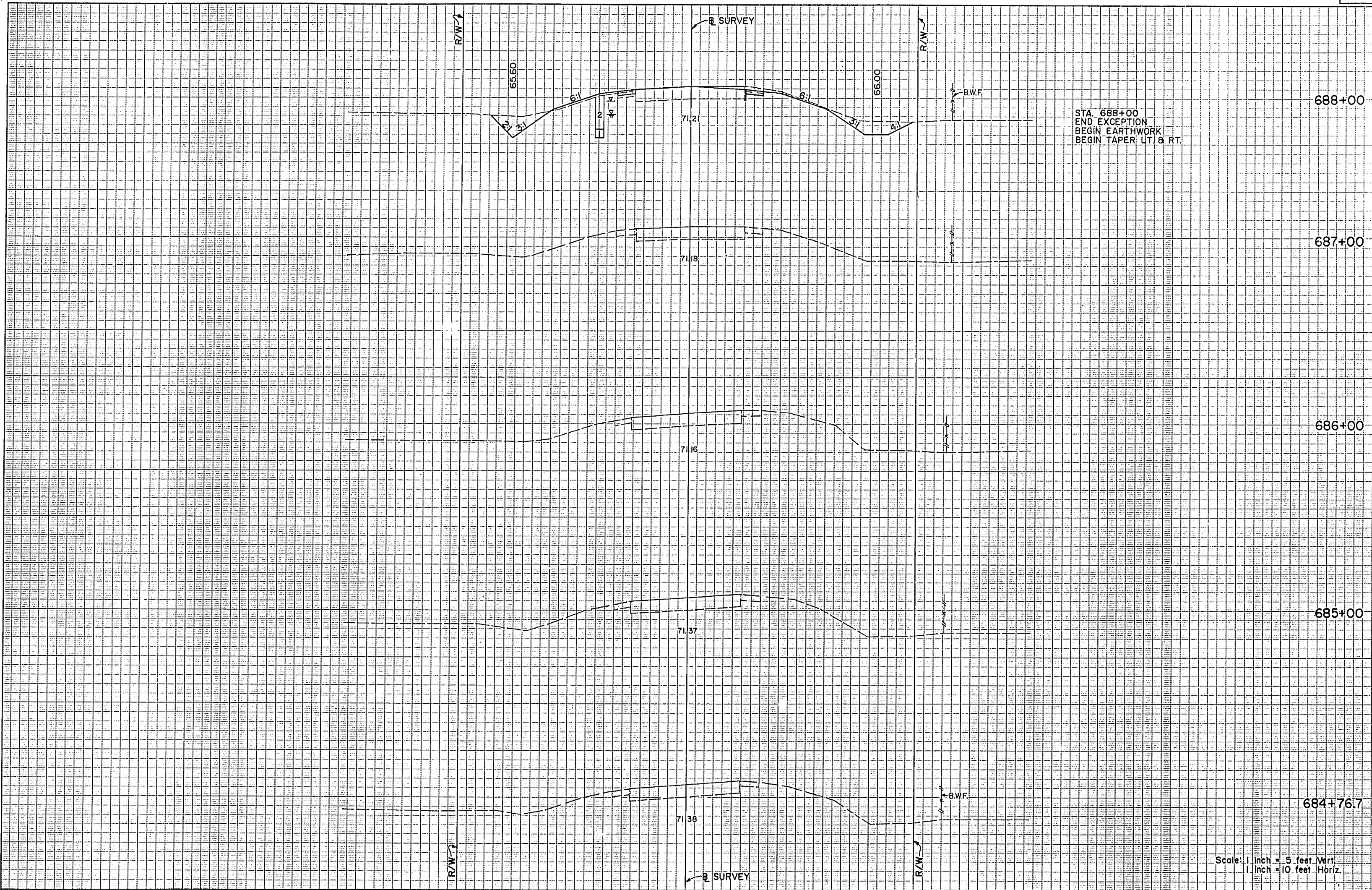
DESIGNED BY	FLB	DATE	1/93	DRAWN BY	DHB	DATE	1/93
CHECKED BY	GEF	DATE	1/93	CHECKED BY	FLB	DATE	1/93
SUPERVISOR BY HUGH M. LOKEY, P.E.							

FLORIDA DEPARTMENT OF TRANSPORTATION	CIVIL DESIGN GROUP	CROSS SECTIONS
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A-2, A-3 MATERIAL	
Suby. Exc.	Fill
A	V
117	22

39 2

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS			
DATE	BY	DESCRIPTION	DATE

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	GEF	1/93	CHECKED BY	DHB	1/93
	FLB	1/93		GEF	1/93

SUPERVISED BY: HUGH M. LOKEY, P.E.

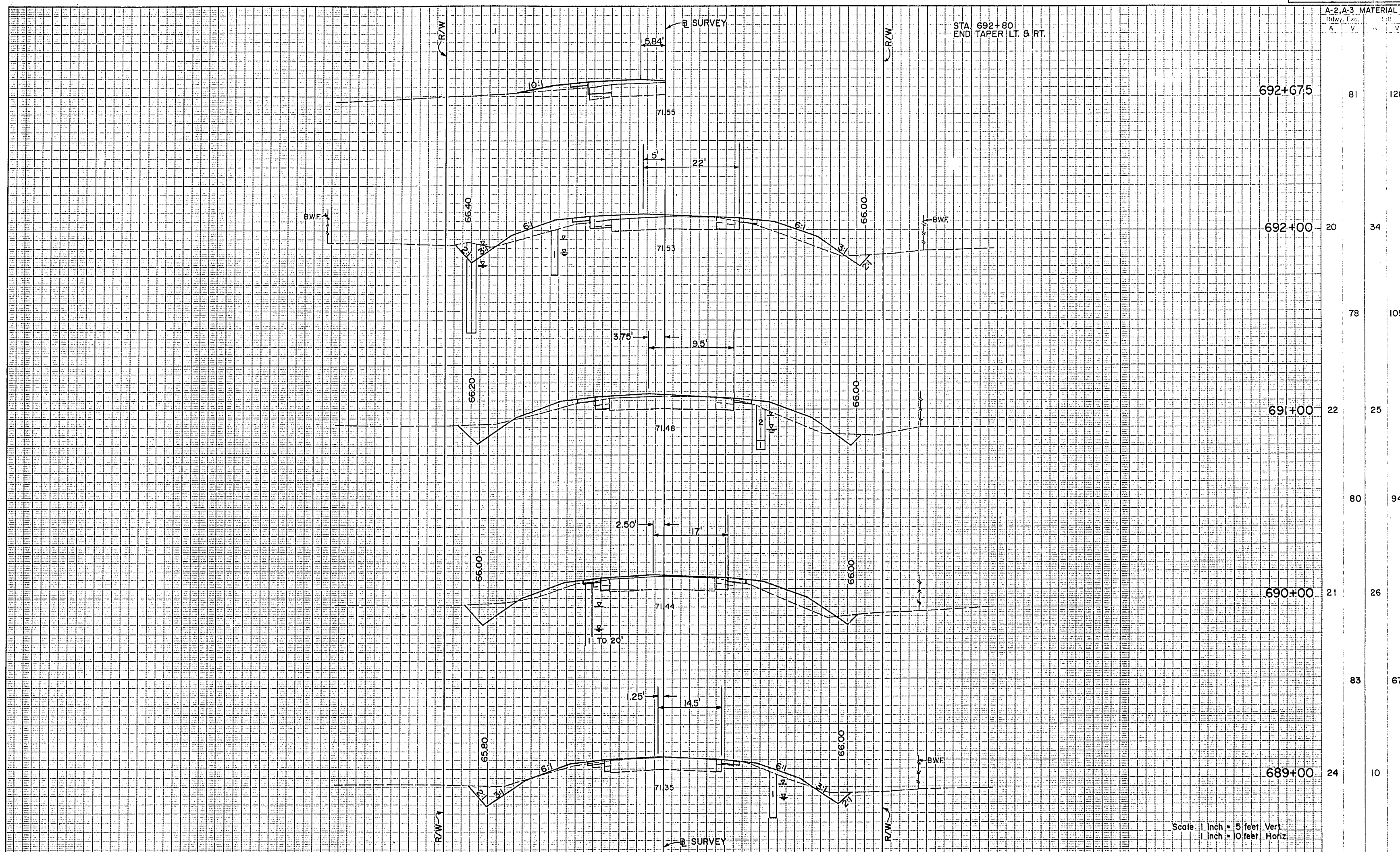
FLORIDA DEPARTMENT OF TRANSPORTATION

DATE 1-11-93

CIVIL DESIGN GROUP  
ENGINEERS - SURVEYORS - PLANNERS  
ORLANDO, FLORIDA

CROSS SECTIONS





A-2, A-3 MATERIAL		
Row	Exc.	ft.
A	V	V

692+67.5	81	128
692+00	20	34
	78	109
691+00	22	25
	80	94
690+00	21	26
	83	67
689+00	24	10

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS							
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY

DESIGNED BY	GEF	DATE	1/93	DRAWN BY	DHB	DATE	1/93
CHECKED BY	FLB	DATE	1/93	CHECKED BY	GEF	DATE	1/93

SUPERVISED BY HUGH M. LOKEY, P.E.

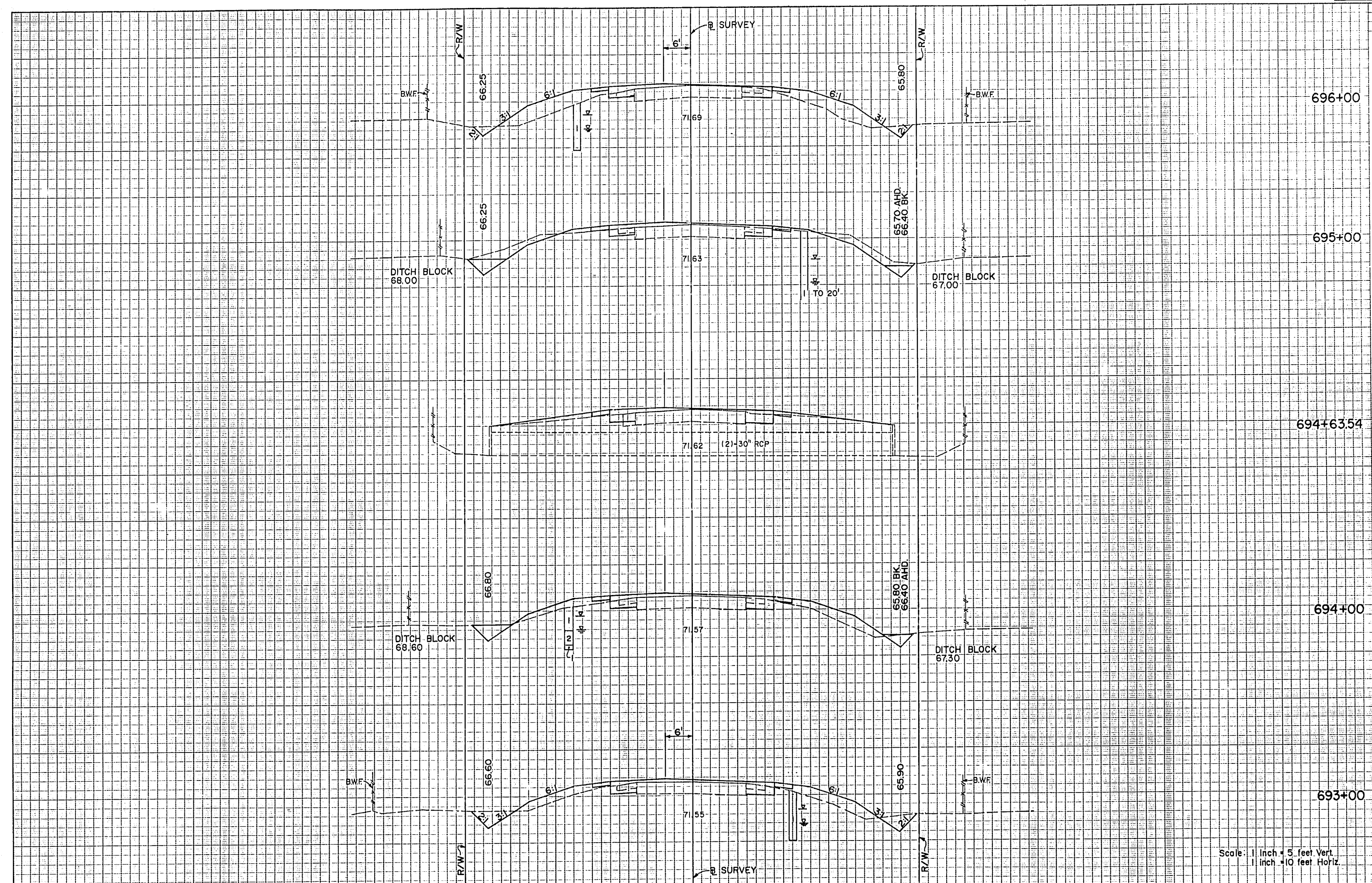
FLORIDA DEPARTMENT OF TRANSPORTATION

CIVIL DESIGN GROUP  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

DATE 1-11-95

CROSS SECTIONS





A-2, A-3 MATERIAL	ft. H.	ft. V.
50	209	
15	60	
107	119	
43	4	
115	63	
19	30	
80	120	
24	35	

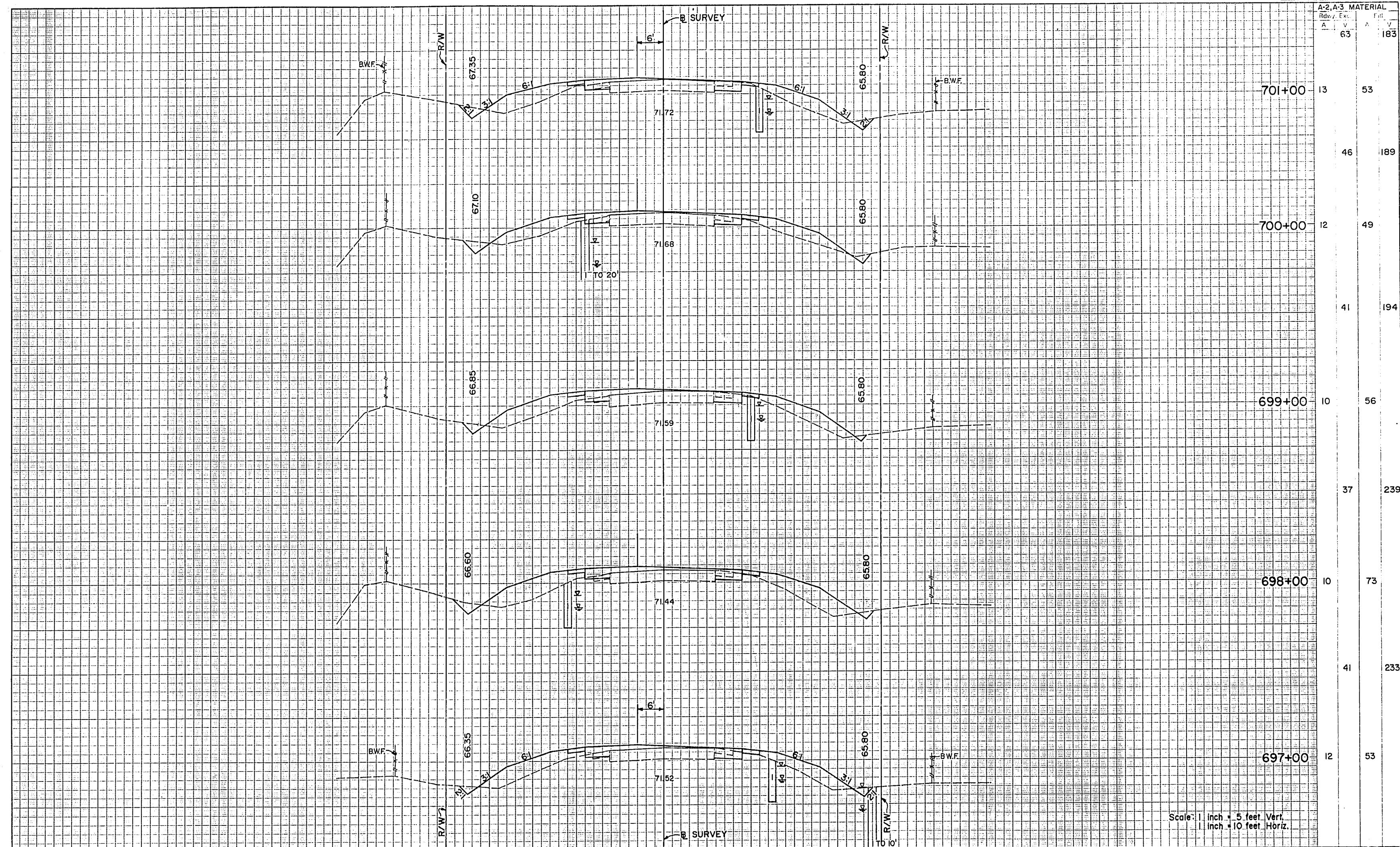
Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS				DESIGNED BY				CHECKED BY				DRAWN BY				DATE			
DATE	BY	DESCRIPTION		NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE		
				GEF	1/93	FLB	1/93	DHB	1/93	GEF	1/93								
				SUPERVISOR BY HUGH M. LOKEY, P.E.															

FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED: *[Signature]* DATE 1-11-95  
CIVIL DESIGN GROUP  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

CROSS SECTIONS





Sta.	A-2, A-3	MATERIAL	
		Exc.	Fill
701+00	13	63	183
	46		189
700+00	12		49
	41		194
699+00	10		56
	37		239
698+00	10		73
	41		233
697+00	12		53

REVISIONS			
DATE	BY	DESCRIPTION	

DESIGNED BY GEF	DATE 1/93	CHECKED BY FLB	DATE 1/93
SUPERVISED BY HUGH M. LOKEY, RE.		APPROVED BY <i>[Signature]</i> DATE 1-11-95	

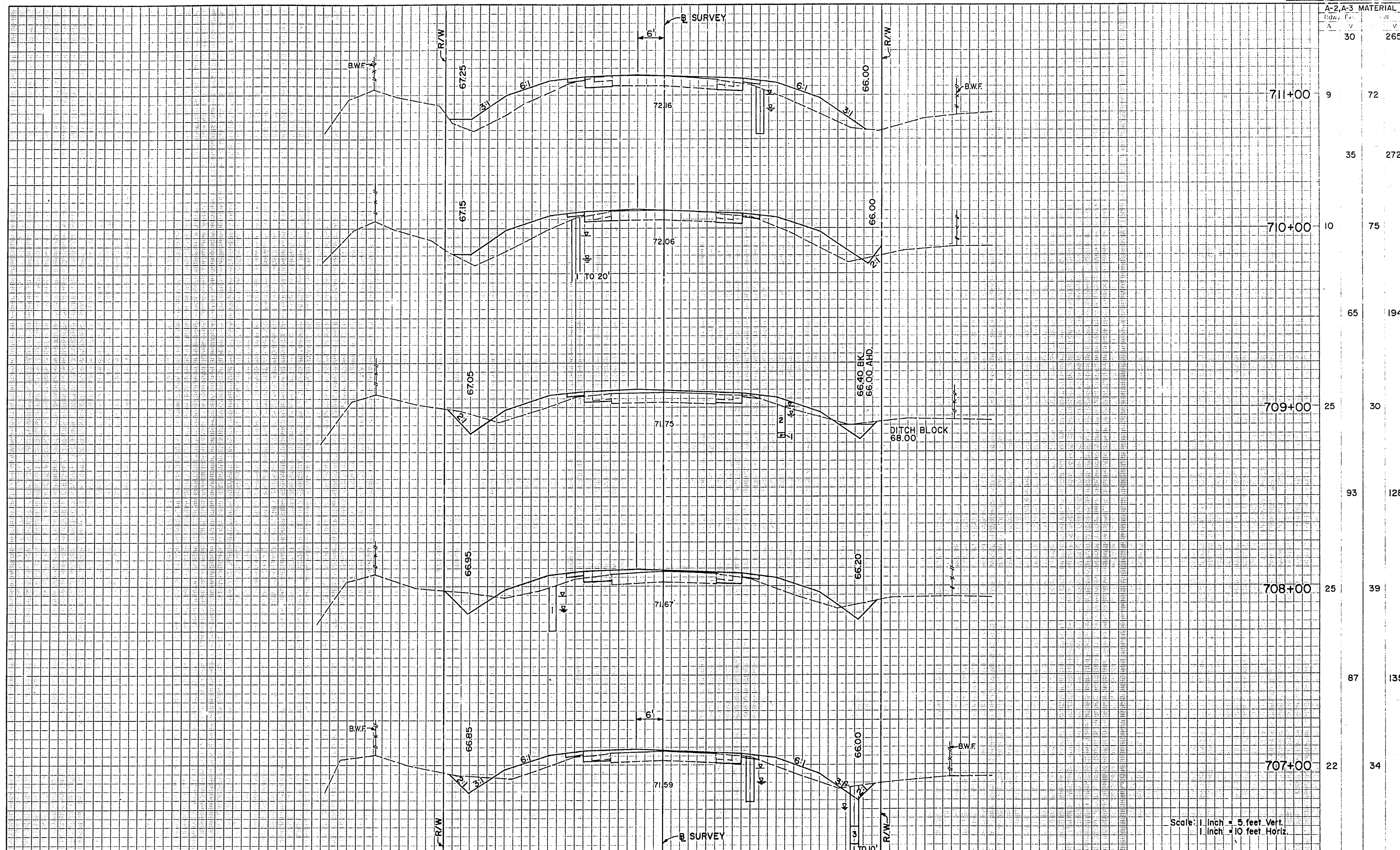
FLORIDA DEPARTMENT OF TRANSPORTATION	<b>CIVIL DESIGN GROUP</b> ENGINEERS - SURVEYORS - PLANNERS ORLANDO, FLORIDA
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CROSS SECTIONS









A-2, A-3	MATERIAL	
30	265	
9	72	
35	272	
10	75	
65	194	
25	30	
93	128	
25	39	
87	135	
22	34	

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

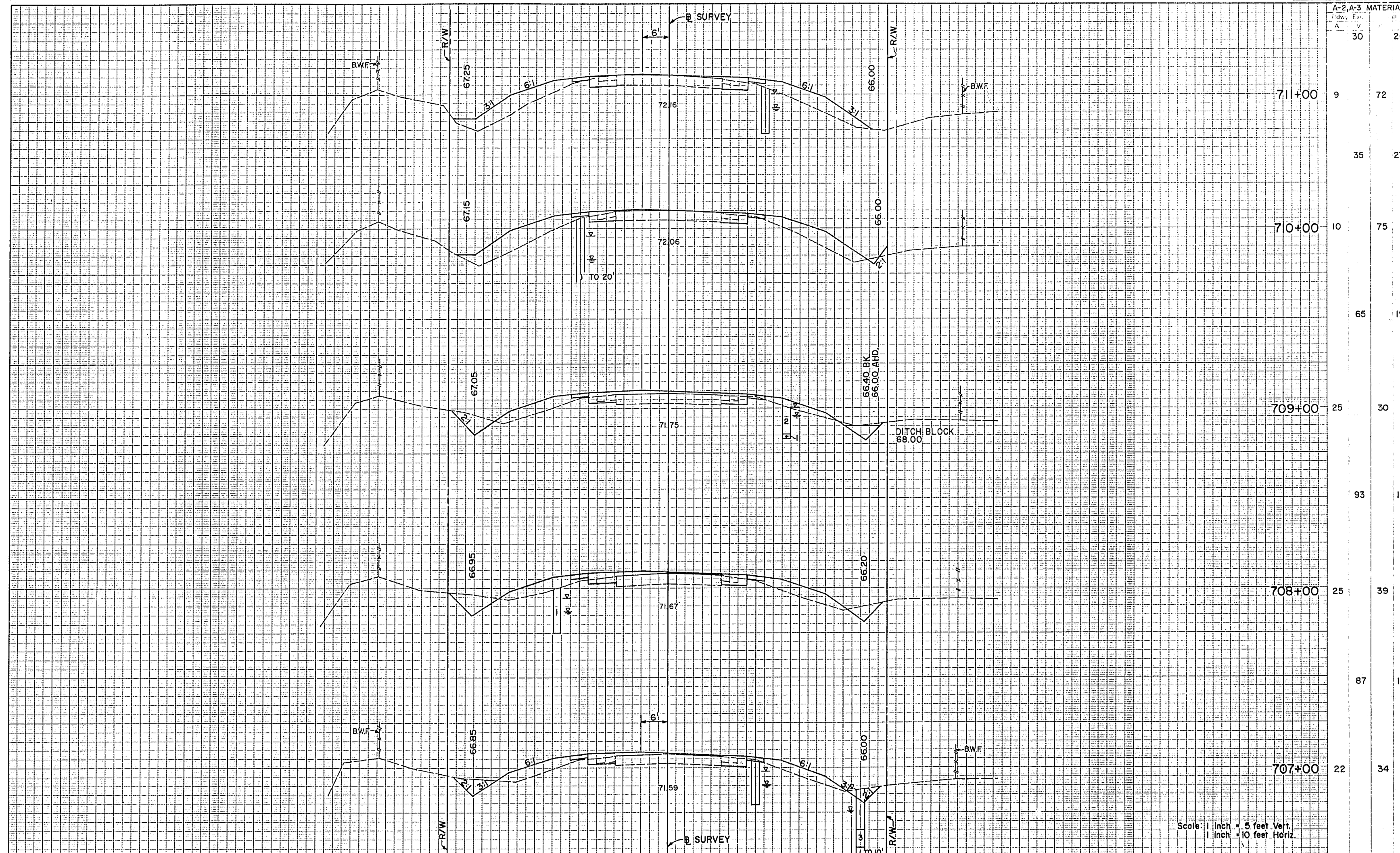
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DATE	BY	DESCRIPTION	

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CHECKED BY	FLB	DATE	1/93	CHECKED BY	GEF	DATE	1/93
SUPERVISED BY HUGH M. LOKEY, P.E.							

FLORIDA DEPARTMENT OF TRANSPORTATION		<b>CIVIL DESIGN GROUP</b> ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA
APPROVED: DATE 1-11-95		

CROSS SECTIONS





A-2, A-3	MATERIAL
30	265

711+00	9	72
	35	272
710+00	10	75
	65	194
709+00	25	30
	93	128
708+00	25	39
	87	135
707+00	22	34

Scale: 1 inch = 5 feet Vert  
1 inch = 10 feet Horiz

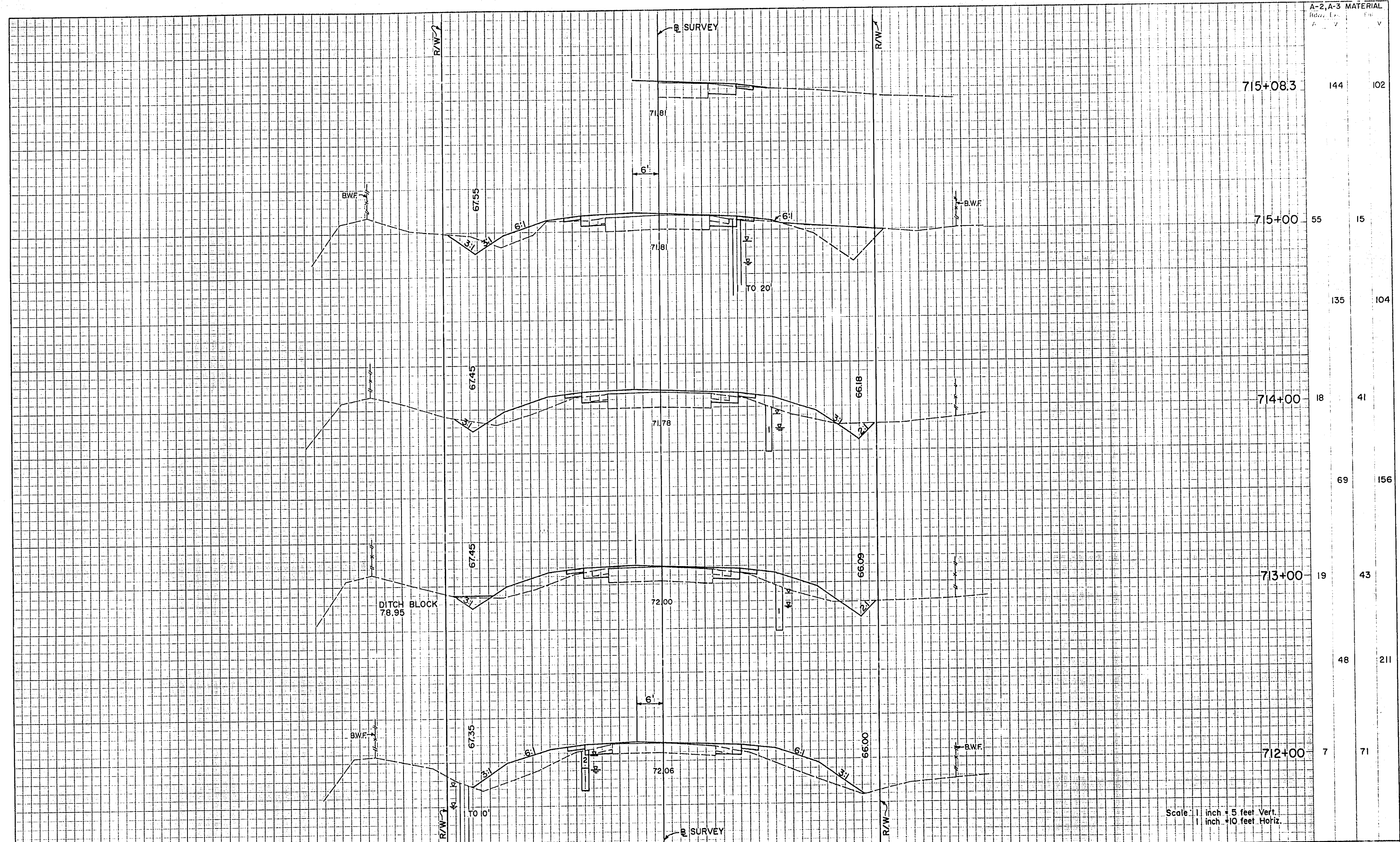
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DATE	BY	DESCRIPTION	

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CHECKED BY	FLB	DATE	1/93	CHECKED BY	GEF	DATE	1/93
SUPERVISED BY HUGH M. LOKEY, P.E.							

FLORIDA DEPARTMENT OF TRANSPORTATION	CIVIL DESIGN GROUP
DATE 1-11-95	ENGINEERS • SURVEYORS • PLANNERS
	ORLANDO, FLORIDA

CROSS SECTIONS





A-2, A-3 MATERIAL	
Station	Material
715+08.3	144 102
715+00	55 15
	135 104
714+00	18 41
	69 156
713+00	19 43
	48 211
712+00	7 71

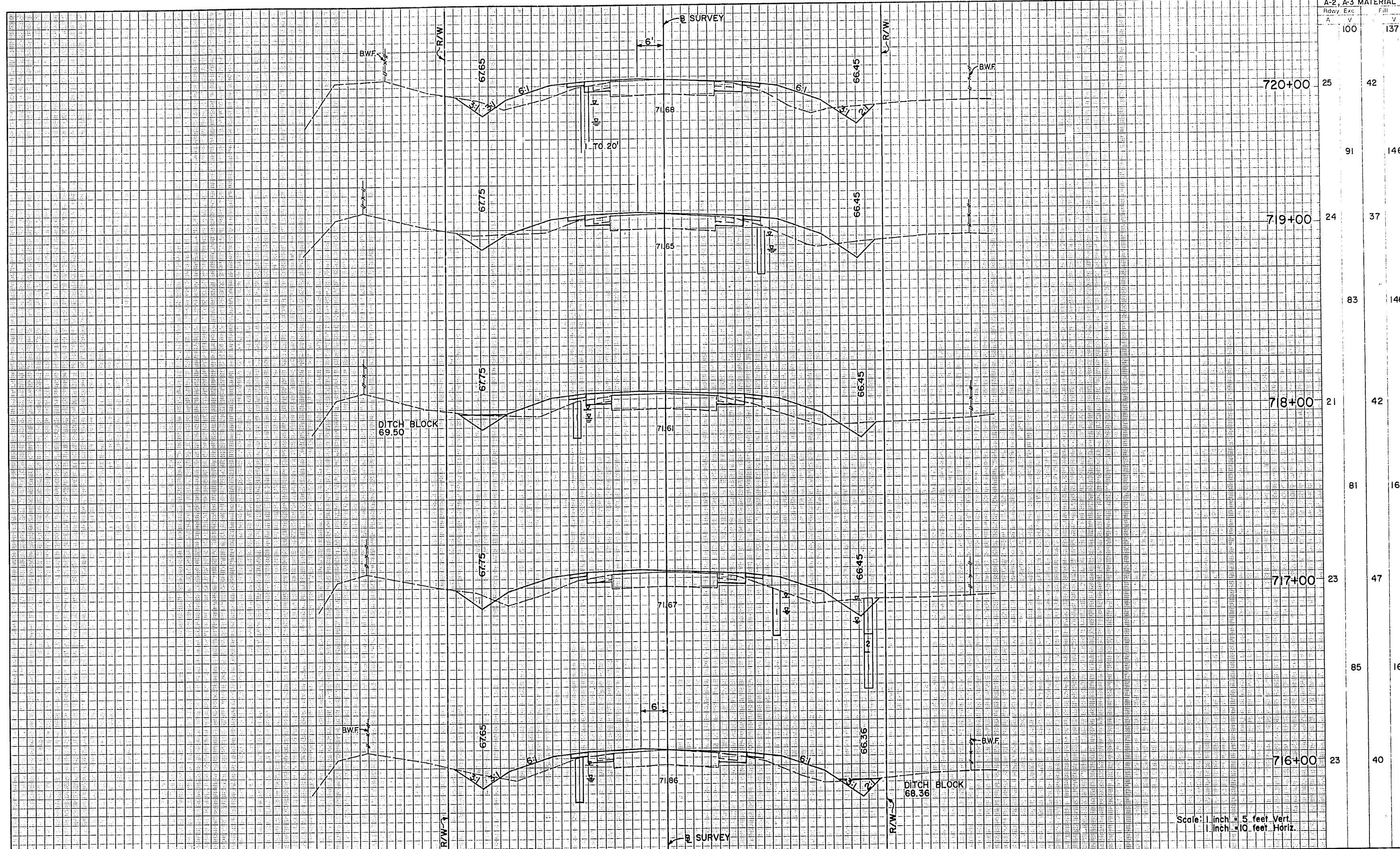
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DATE BY DESCRIPTION _____ _____ _____				DATE BY DESCRIPTION _____ _____ _____				DATE BY DESCRIPTION _____ _____ _____				DATE BY DESCRIPTION _____ _____ _____			

DATE	BY	DATE	BY	DATE	BY	DATE	BY
GEF	1/93	DHB	1/93	FLB	1/93	GEF	1/93
CHECKED BY _____				CHECKED BY _____			
DESIGNED BY HUGH M. LOKEY, P.E.							

FLORIDA DEPARTMENT OF TRANSPORTATION DATE 1-1-95		CIVIL DESIGN GROUP ENGINEERS - SURVEYORS - PLANNERS ORLANDO, FLORIDA
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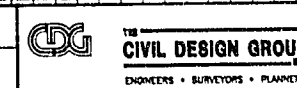
CROSS SECTIONS





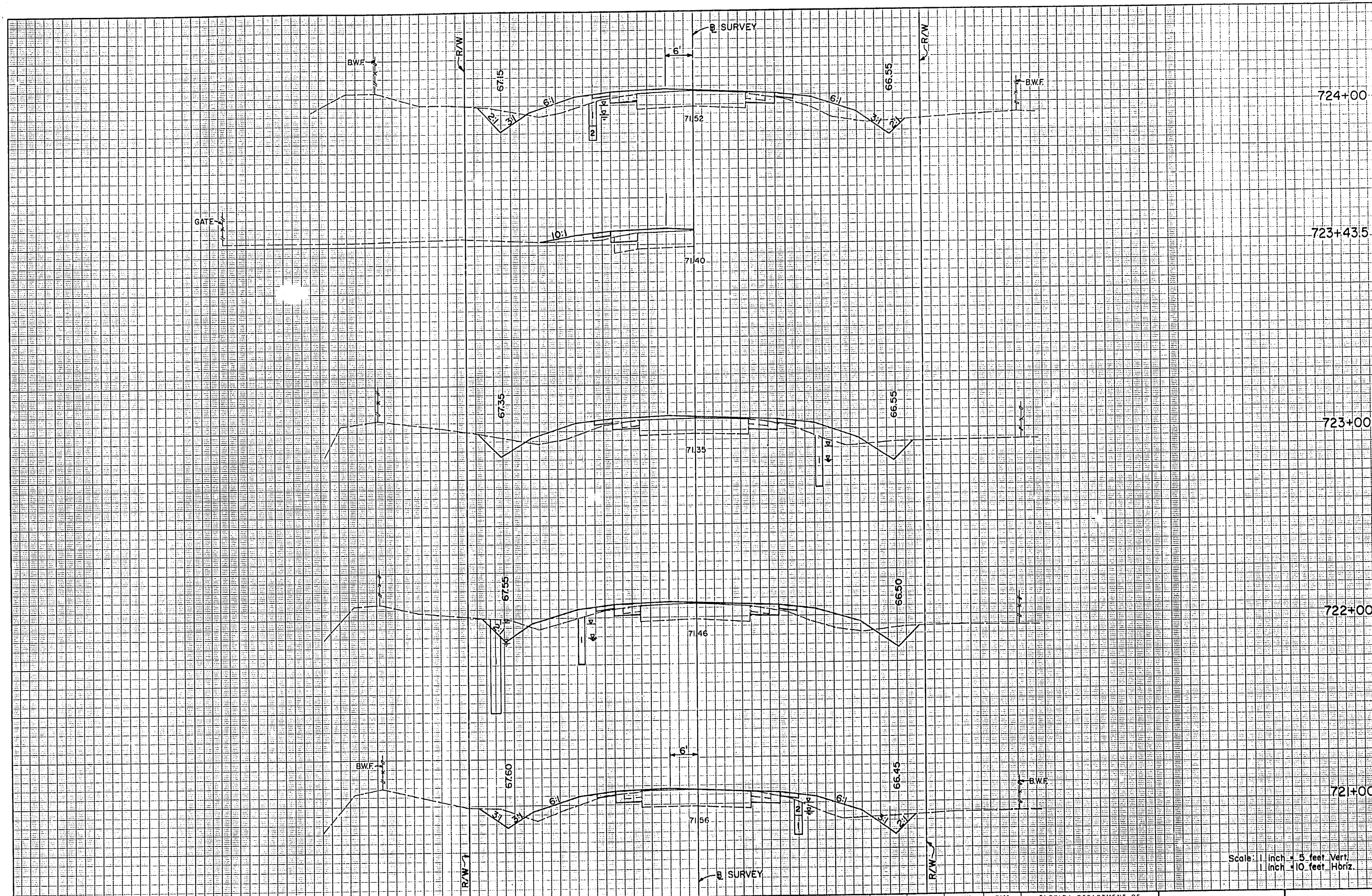
A-2, A-3 MATERIAL	
Subgrade	Fill
100	137

REVISIONS				DESIGNED BY				DRAWN BY				CHECKED BY				APPROVED BY			
DATE	BY	DESCRIPTION	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE
				GEF	1/93	FLB	1/93	DHB	1/93	GEF	1/93								
				SUPERVISED BY				HUGH M. LOKEY, P.E.											



CROSS SECTIONS





A-2, A-3 MATERIAL	
Subgrade	Fill
120	106
24	34
94	126
27	34
104	126
29	34
107	122
29	32

REVISIONS			
DATE	BY	DESCRIPTION	

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	GEF	1/93	CHECKED BY	DHB	1/93
	FLB	1/93		GEF	1/93

SUPERVISED BY HUGH M. LOKEY, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION

DATE 1-11-95

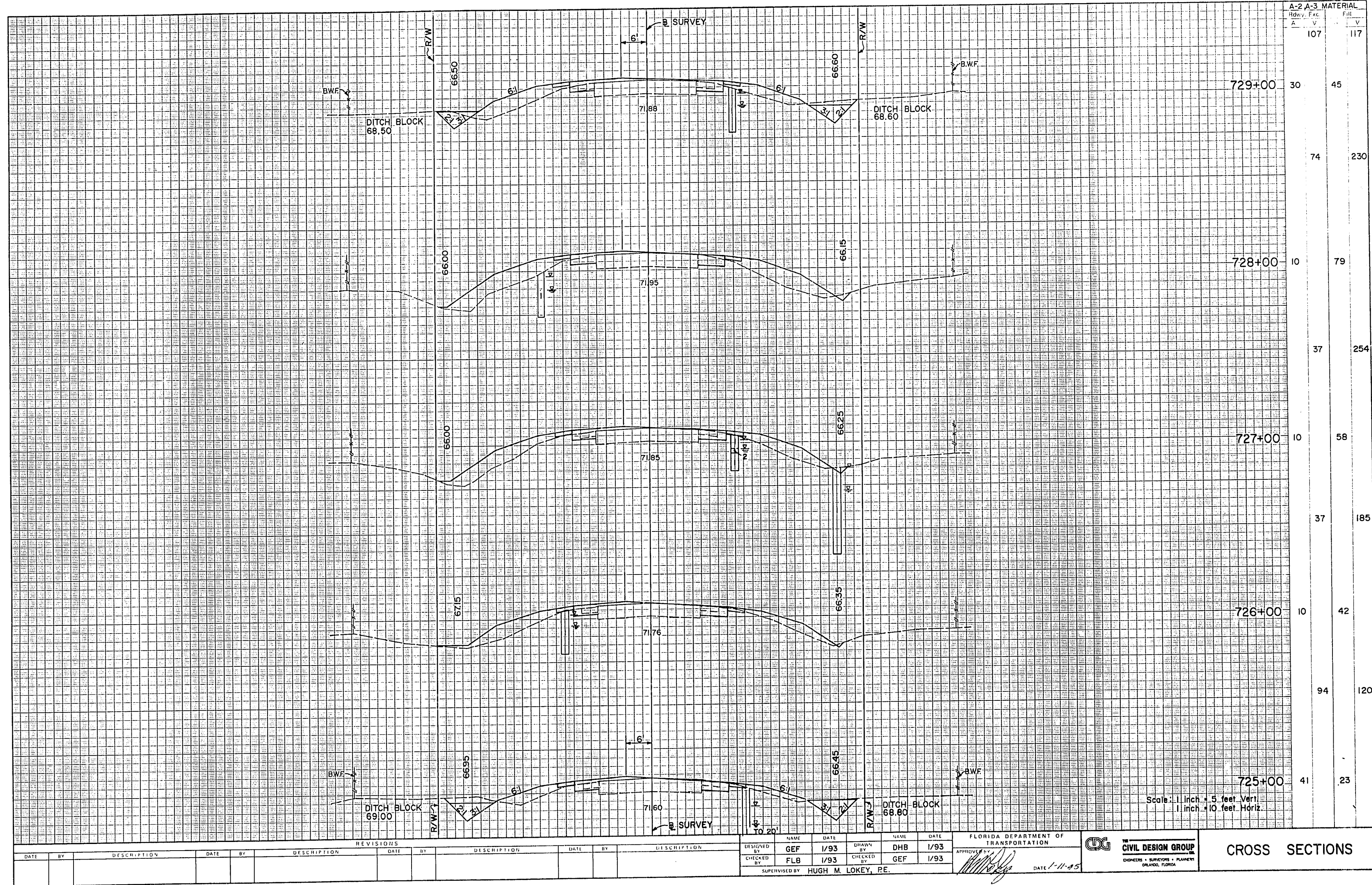
CIVIL DESIGN GROUP  
DESIGNERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

CROSS SECTIONS



STATE PROJECT NO.  
92070-3510

A-2 A-3 MATERIAL  
Rdwy. Exc. Fill  
A V A V  
107 117





STATE PROJ NO  
92070-3510

79



A-2, A-3 MATERIAL		Full	
Sub	Exc.	Sub	Exc.
106	122		
24	45		
93	154		
26	38		
104	152		
30	44		
107	115		
28	18		

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS			
DATE	BY	DESCRIPTION	

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	GEF	1/93		DHB	1/93
CHECKED BY	NAME	DATE	CHECKED BY	NAME	DATE
	FLB	1/93		GEF	1/93

SUPERVISED BY HUGH M. LOKEY, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION

CIVIL DESIGN GROUP

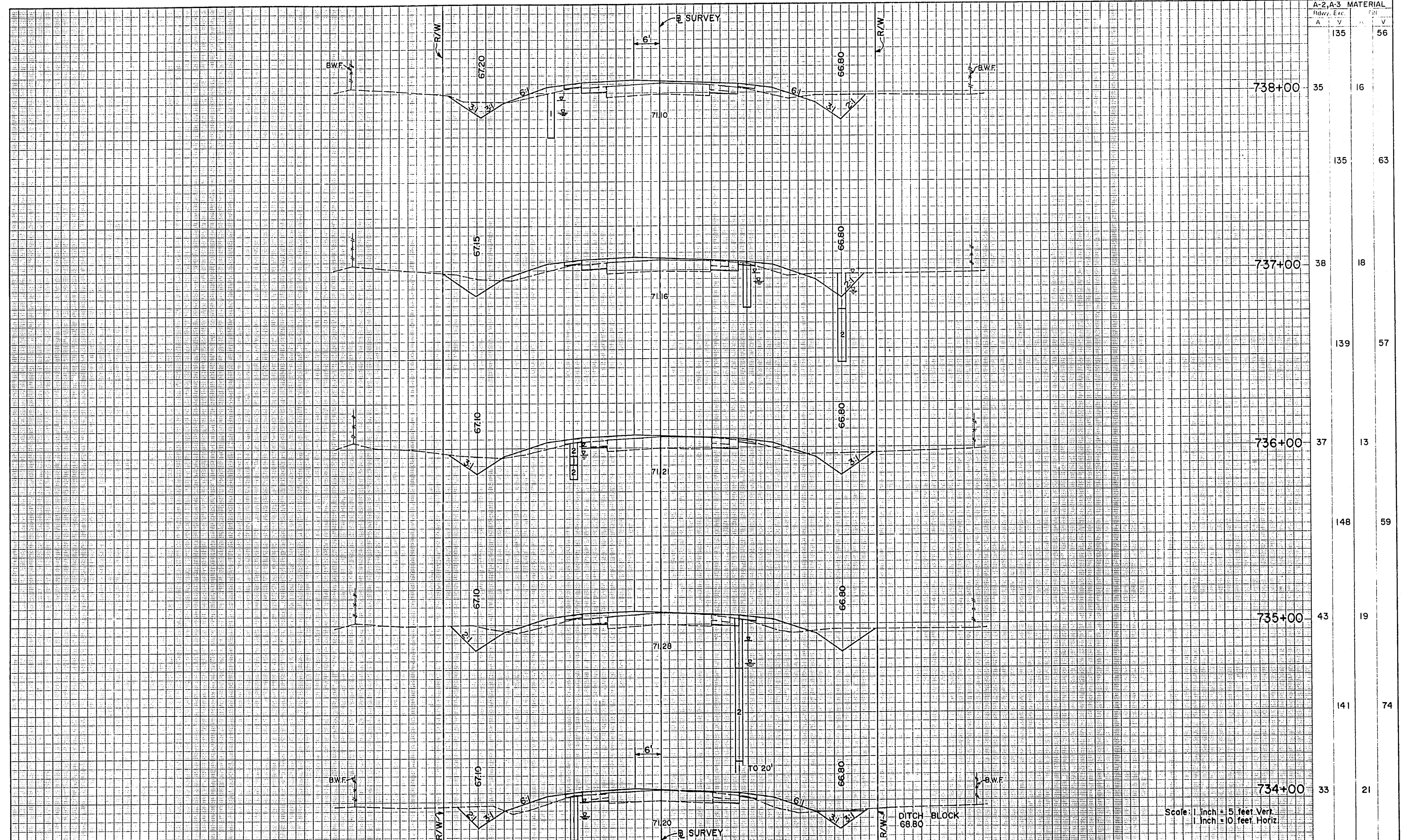
ENGINEERS • SURVEYORS • PLANNERS

ORLANDO, FLORIDA

DATE 1-11-95

CROSS SECTIONS





REVISIONS				DESIGNED				DRAWN				CHECKED				APPROVED			
DATE	BY	DESCRIPTION	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE
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				SUPERVISED BY HUGH M. LOKEY, P.E.				DATE 1-11-95											

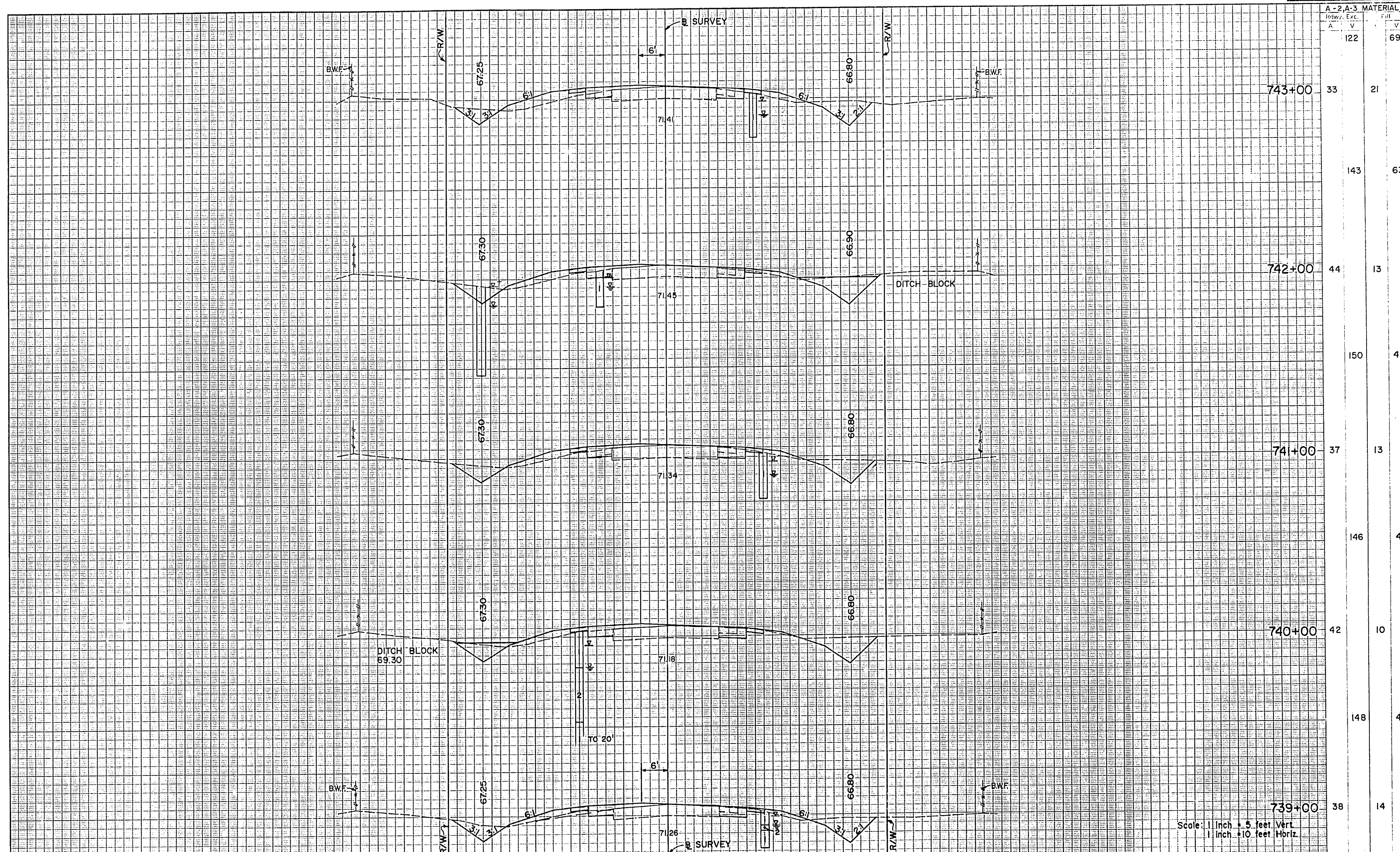
Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

CROSS SECTIONS

CIVIL DESIGN GROUP  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

FLORIDA DEPARTMENT OF  
TRANSPORTATION

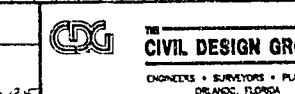




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1/4" = 10 feet Horiz.

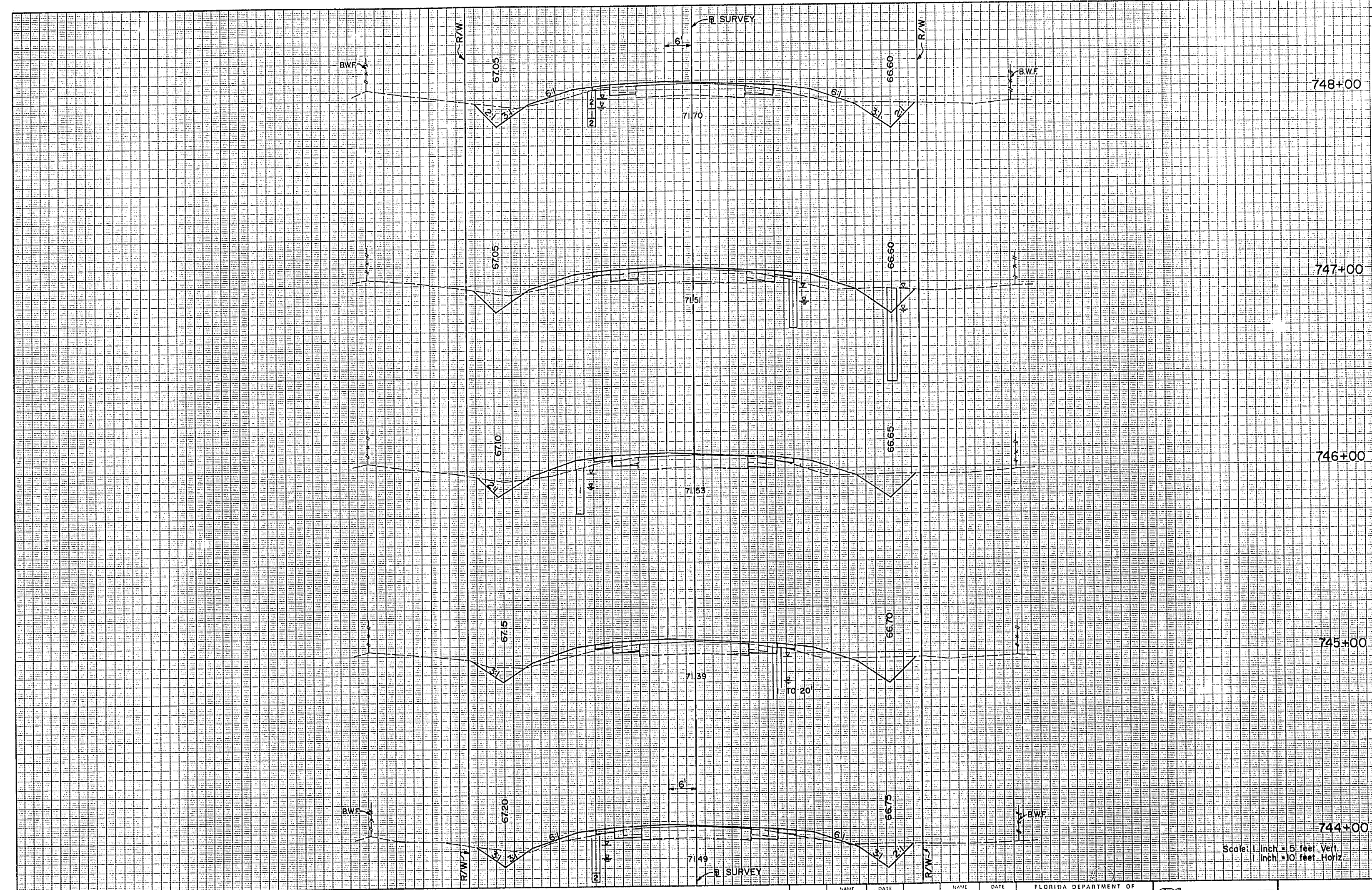
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DATE	BY	DESCRIPTION		NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE
				GEF	1/93	DHB	1/93	FLB	1/93	GEF	1/93								
				SUPERVISED BY				HUGH M. LOKEY, P.E.											

FLORIDA DEPARTMENT OF TRANSPORTATION



CROSS SECTIONS





A-2, A-3 MATERIAL		
Rdwy. Exc.	Fill	
A	V	A
137	65	
37	16	
131	65	
34	19	
120	76	
31	22	
119	70	
33	16	
122	59	
33	16	

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

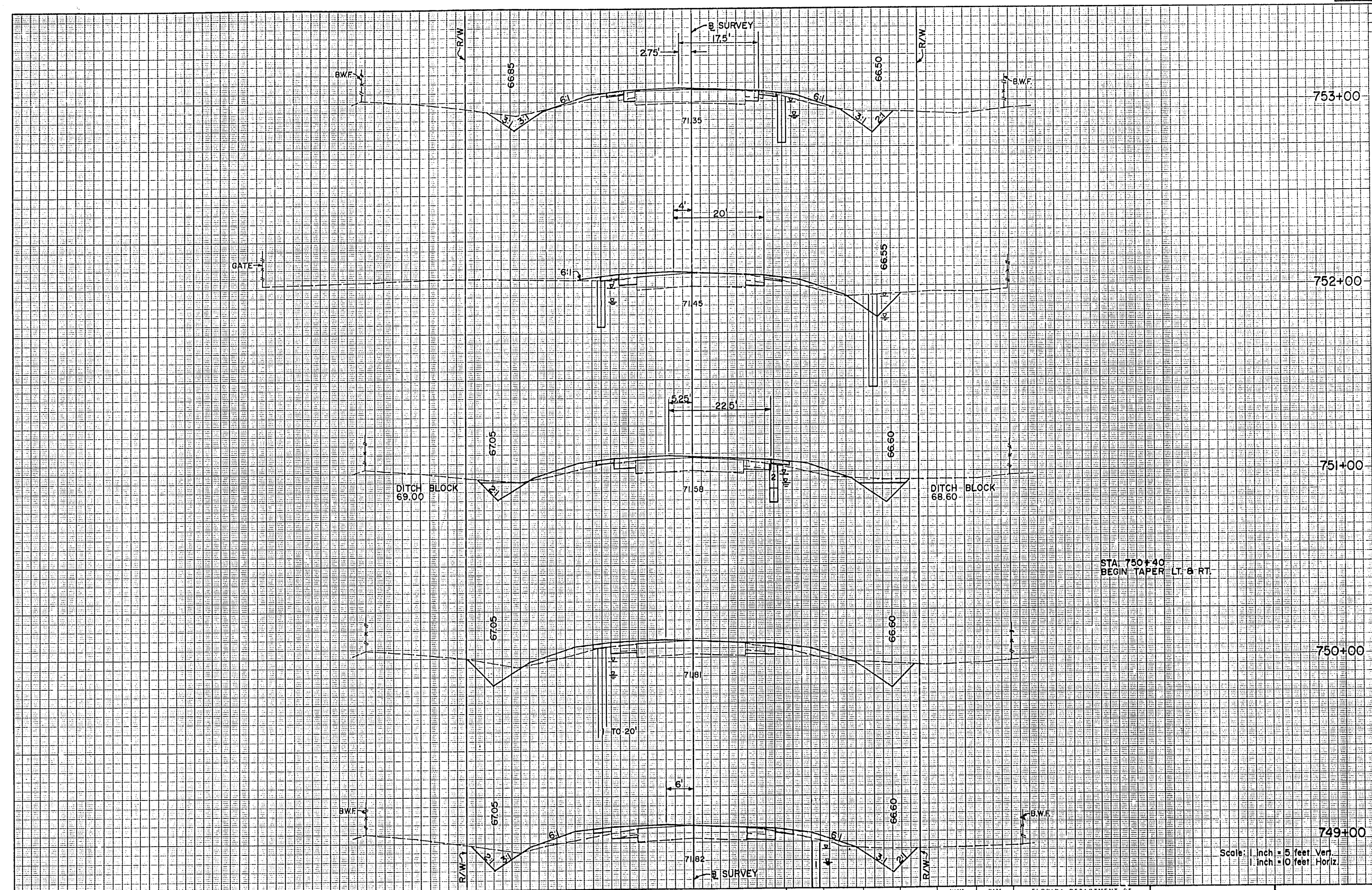
REVISIONS			
DATE	BY	DESCRIPTION	

DESIGNED BY GEF	NAME FLB	DATE 1/93	DRAWN BY DHB	NAME GEF	DATE 1/93
SUPERVISED BY HUGH M. LOKEY, P.E.					

FLORIDA DEPARTMENT OF TRANSPORTATION	
APPROVED BY <i>[Signature]</i>	DATE 1-11-93

<b>CIVIL DESIGN GROUP</b> <small>ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA</small>	<b>CROSS SECTIONS</b>
---------------------------------------------------------------------------------------------------	-----------------------





A-2 A-3 MATERIAL		FOI	
Exc.	Exc.	V	V
117		24	
28		8	
89		30	
20		8	
94		46	
31		17	
128		61	
38		16	
139		65	
37		19	

STA. 750+40  
BEGIN TAPER LT. & RT.

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS			
DATE	BY	DESCRIPTION	

NAME	DATE	NAME	DATE
DESIGNED BY GEF	1/93	DRAWN BY DHB	1/93
CHECKED BY FLB	1/93	CHECKED BY GEF	1/93
SUPERVISED BY HUGH M. LOKEY, P.E.			

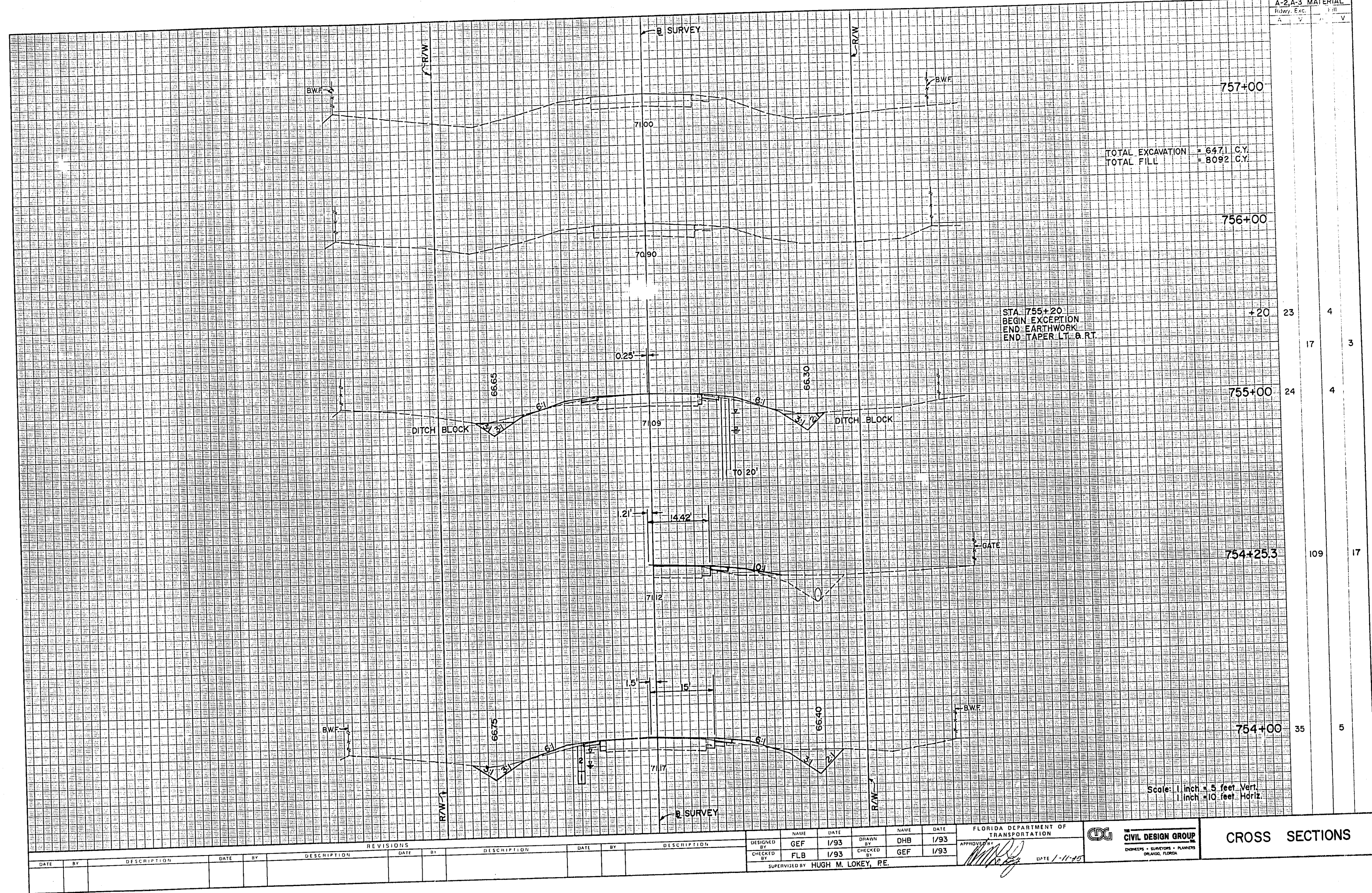
FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED BY: *[Signature]* DATE: 1-11-95

**CIVIL DESIGN GROUP**  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

**CROSS SECTIONS**



A-2, A-3 MATERIAL	
Exc.	Fill
A	V



REVISIONS			
DATE	BY	DESCRIPTION	DATE

DESIGNED BY	NAME	DATE	CHECKED BY	NAME	DATE
GEF	1/93	DHB	1/93		
FLB	1/93	GEF	1/93		

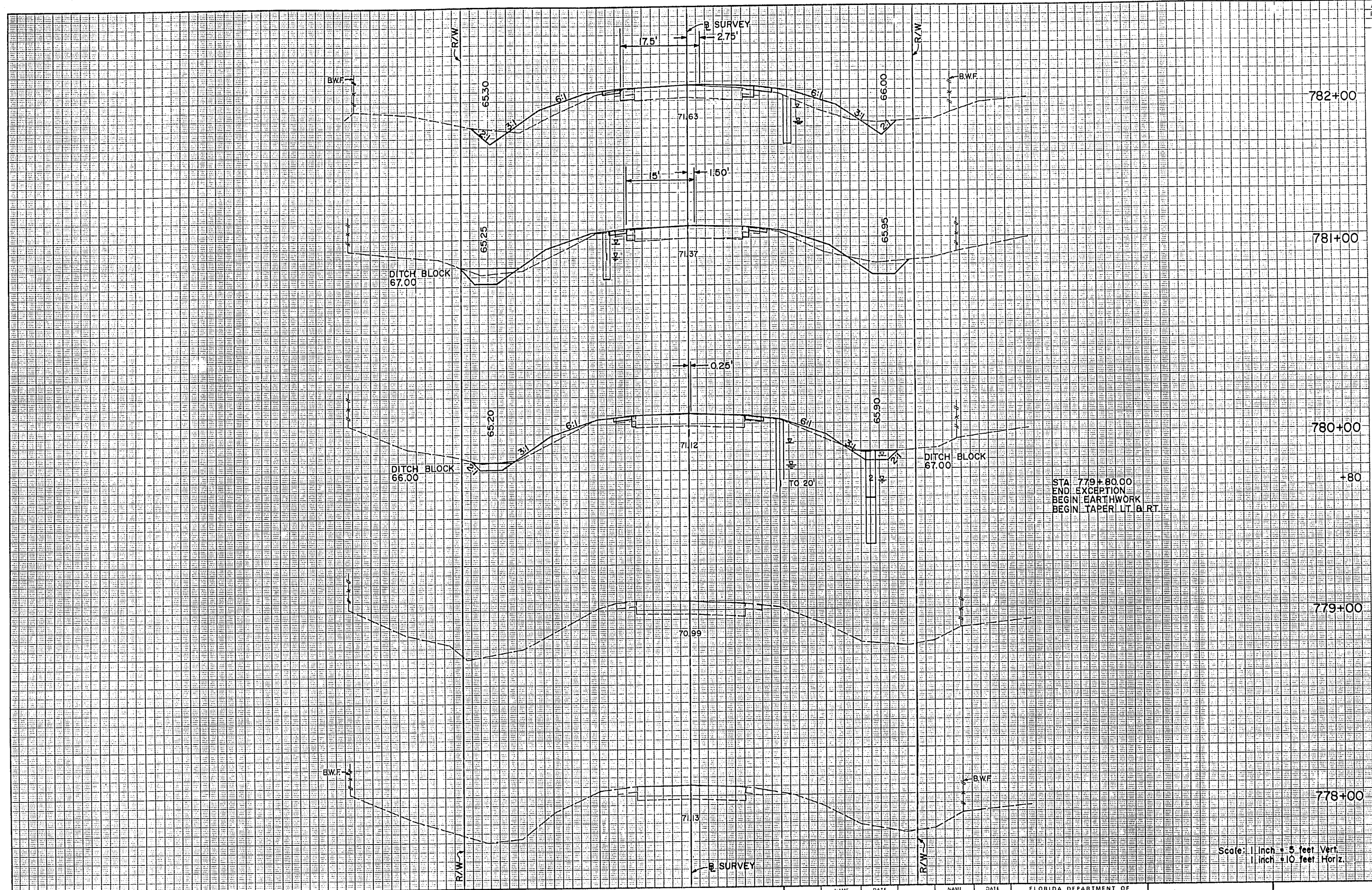
FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED BY: *[Signature]* DATE 1-11-95

**CIVIL DESIGN GROUP**  
ENGINEERS - SURVEYORS - PLANNERS  
ORLANDO, FLORIDA

**CROSS SECTIONS**



A-2, A-3 MATERIAL		MATERIAL	
Subwy. Ext.	ft.	Subwy. Ext.	ft.
A	V	A	V
57	135		
16	36		
80	107		
27	22		
81	61		
17	11		
13	8		
17	11		



Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS				DESIGNED BY				CHECKED BY				SUPERVISED BY				APPROVED BY				DATE			
DATE	BY	DESCRIPTION		NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE	NAME	DATE				
				GEF	1/93	DHB	1/93	FLB	1/93	GEF	1/93												

FLORIDA DEPARTMENT OF TRANSPORTATION

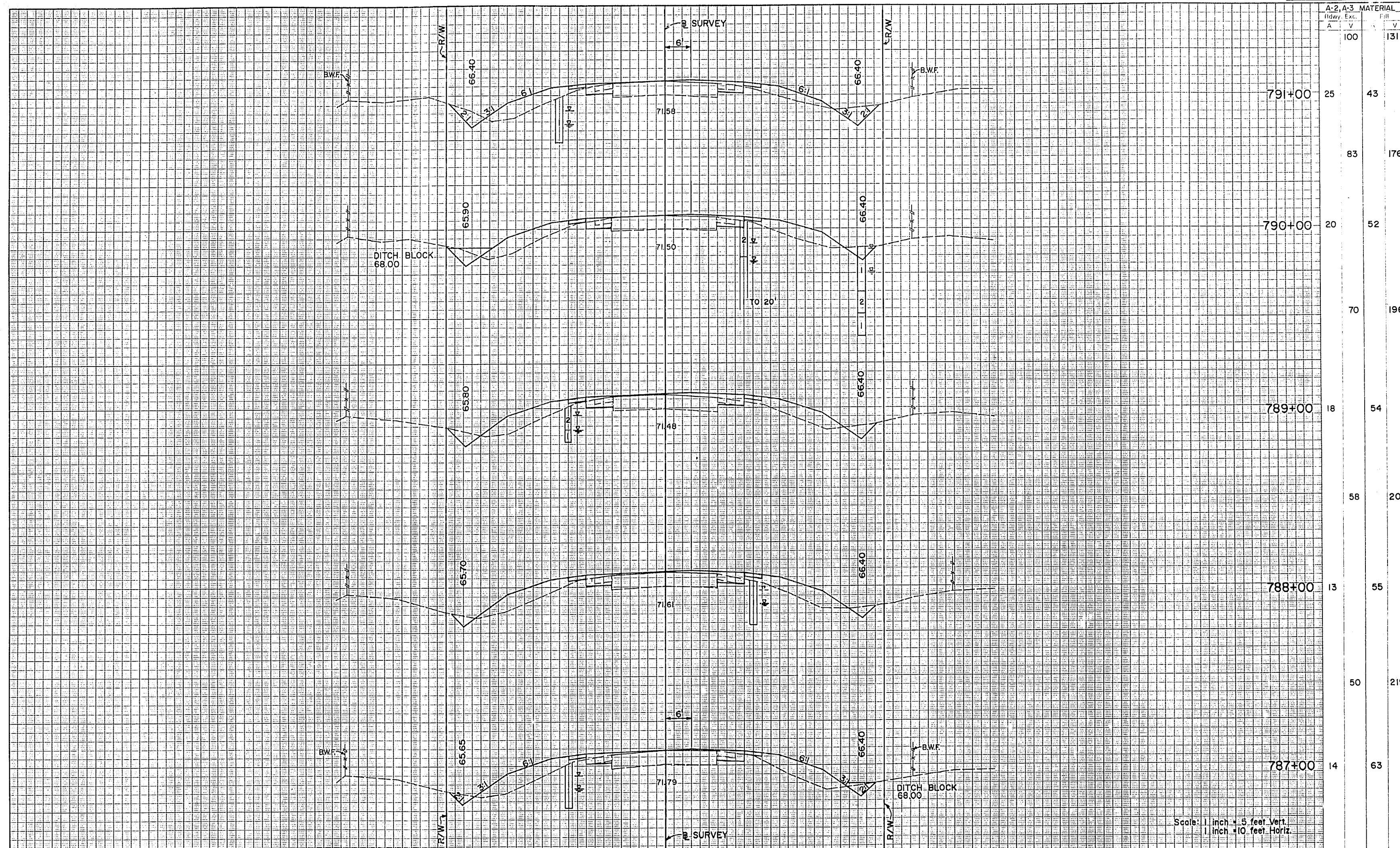
CIVIL DESIGN GROUP

CROSS SECTIONS







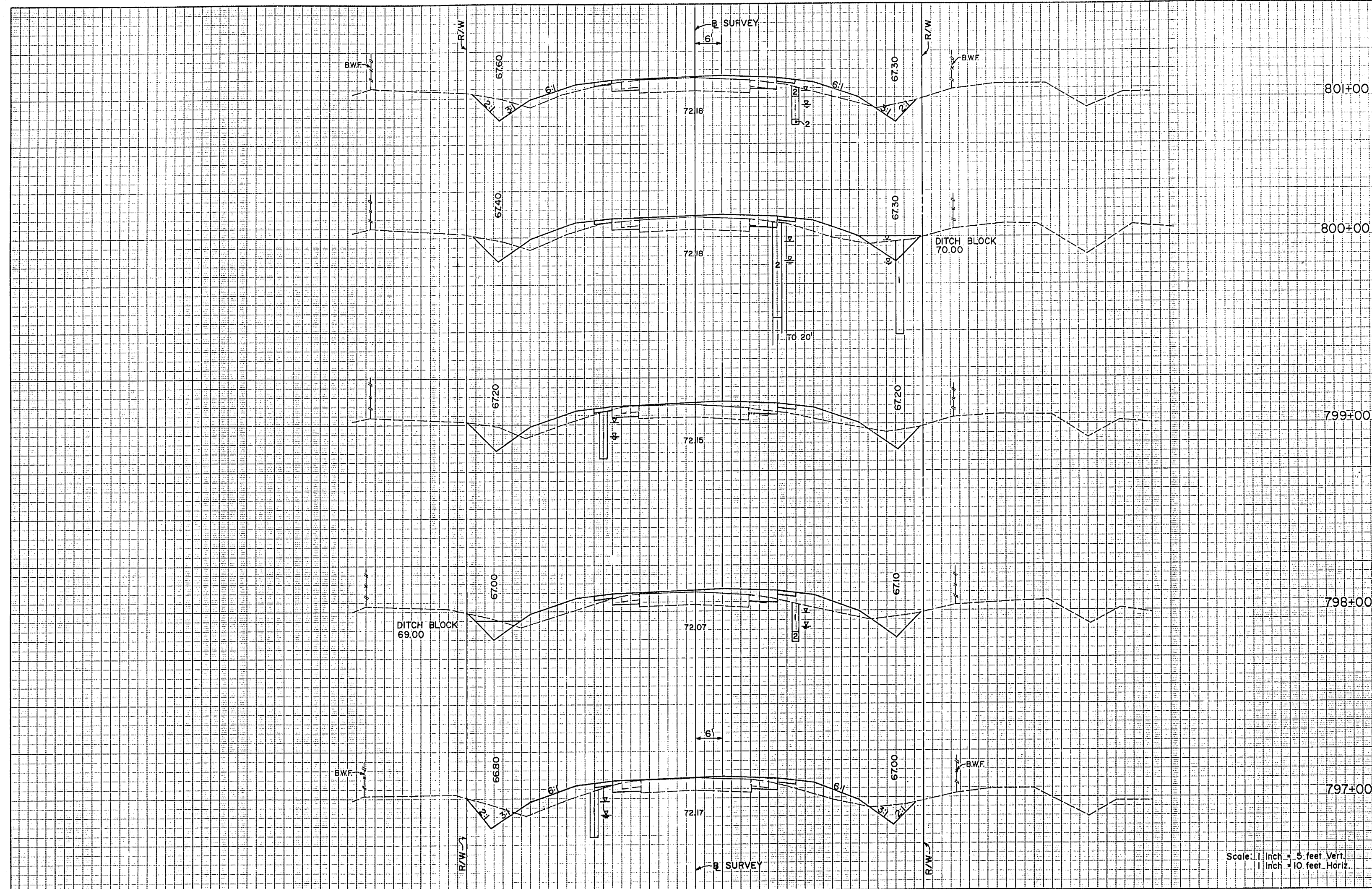


REVISIONS				DESIGNED BY				DRAWN BY				FLORIDA DEPARTMENT OF TRANSPORTATION				CROSS SECTIONS			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY









A-2A-3	MATERIAL
113	80
27	24
106	102
30	31
111	115
30	31
109	124
29	36
113	131
32	35

DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION	

DESIGNED BY	FLB	DATE	1/93	CHECKED BY	HML	DATE	1/93
SUPERVISED BY HUGH M. LOKEY, P.E.							

NAME	DATE	NAME	DATE
FLB	1/93	DHB	1/93
HML	1/93	FLB	1/93

FLORIDA DEPARTMENT OF TRANSPORTATION

CIVIL DESIGN GROUP

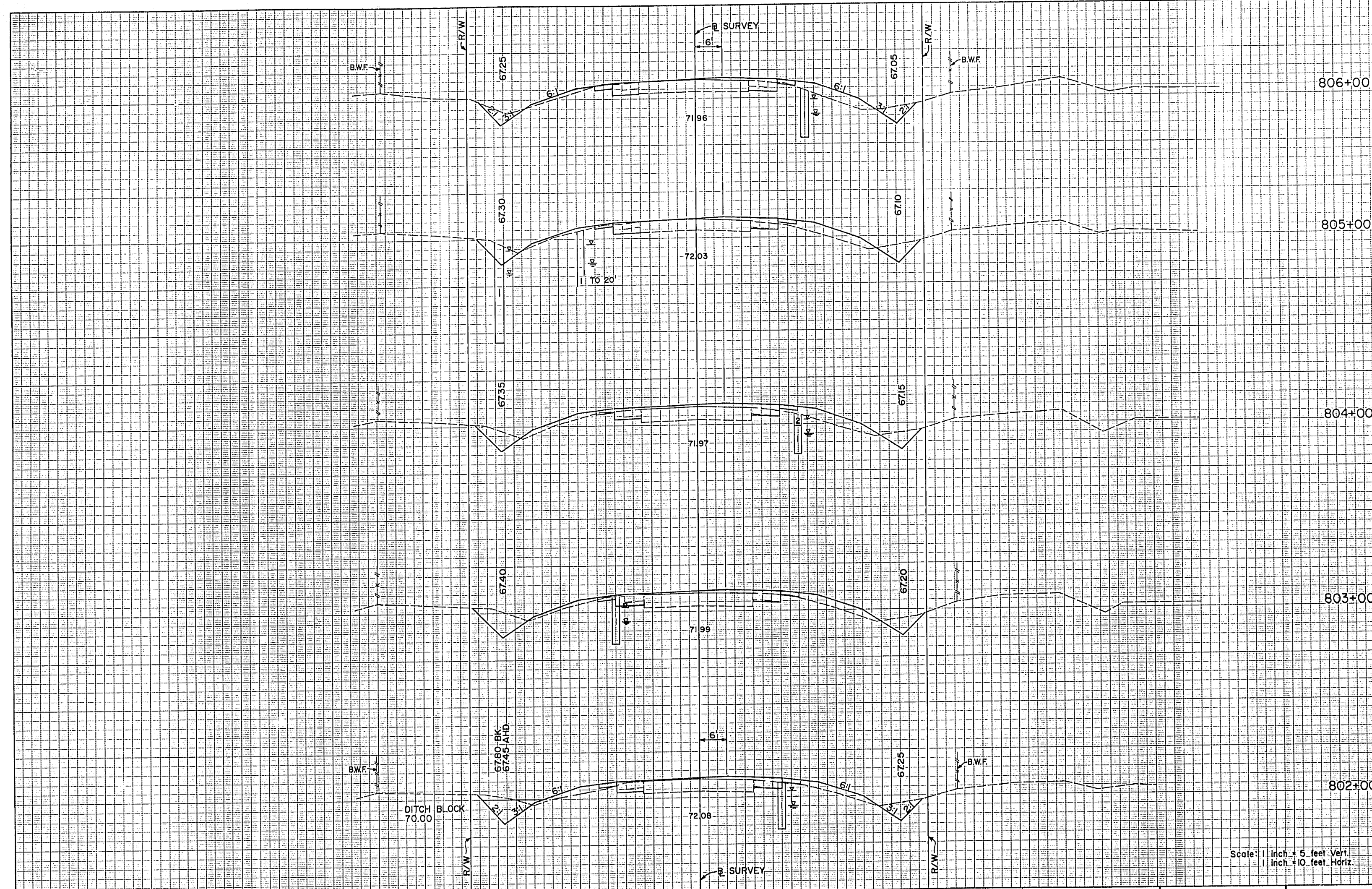
ENGINEERS • SURVEYORS • PLANNERS

ORLANDO, FLORIDA

CROSS SECTIONS

DATE 1-1-95





A-2, A-3 MATERIAL		A-2, A-3 MATERIAL	
Subgrade	Excavation	Subgrade	Excavation
81	81	81	81
26	20	26	20
98	76	98	76
27	21	27	21
98	87	98	87
26	26	26	26
109	81	109	81
33	18	33	18
124	69	124	69
34	19	34	19

REVISIONS			
DATE	BY	DESCRIPTION	DATE

DESIGNED BY	NAME	DATE	CHECKED BY	NAME	DATE
FLB	FLB	1/93	DHB	DHB	1/93
HML	HML	1/93	FLB	FLB	1/93
SUPERVISOR BY HUGH M. LOKEY, P.E.					

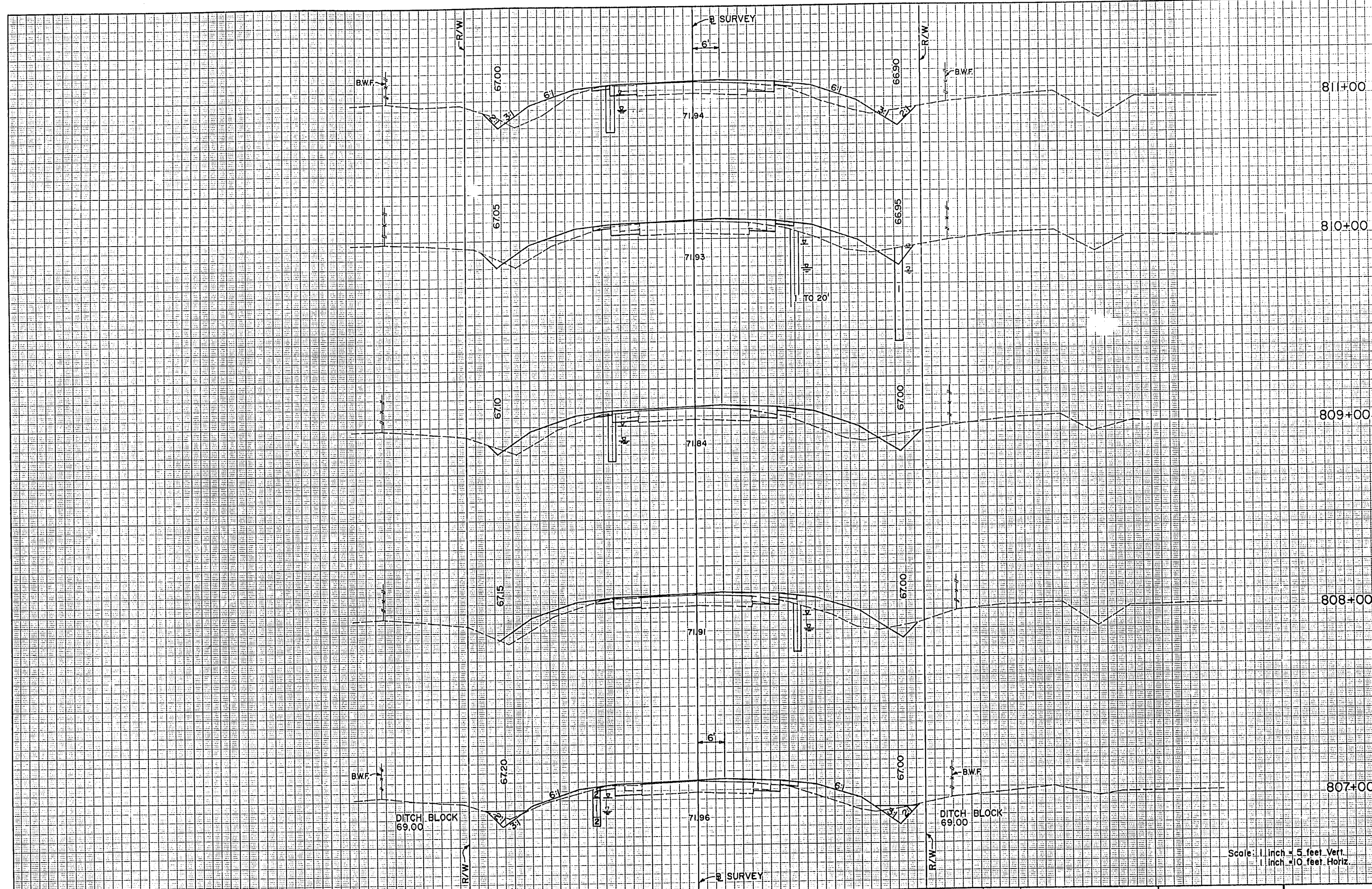
FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED: *[Signature]* DATE 1-11-93



CROSS SECTIONS



A-2, A-3 MATERIAL	
Subgrade	Fill
65	139



Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS			
DATE	BY	DESCRIPTION	DATE

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
FLB	FLB	1/93	DHB	DHB	1/93
CHECKED BY	HML	1/93	CHECKED BY	FLB	1/93
SUPERVISED BY HUGH M. LOKEY, P.E.					

FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED BY *[Signature]* DATE 1-11-95

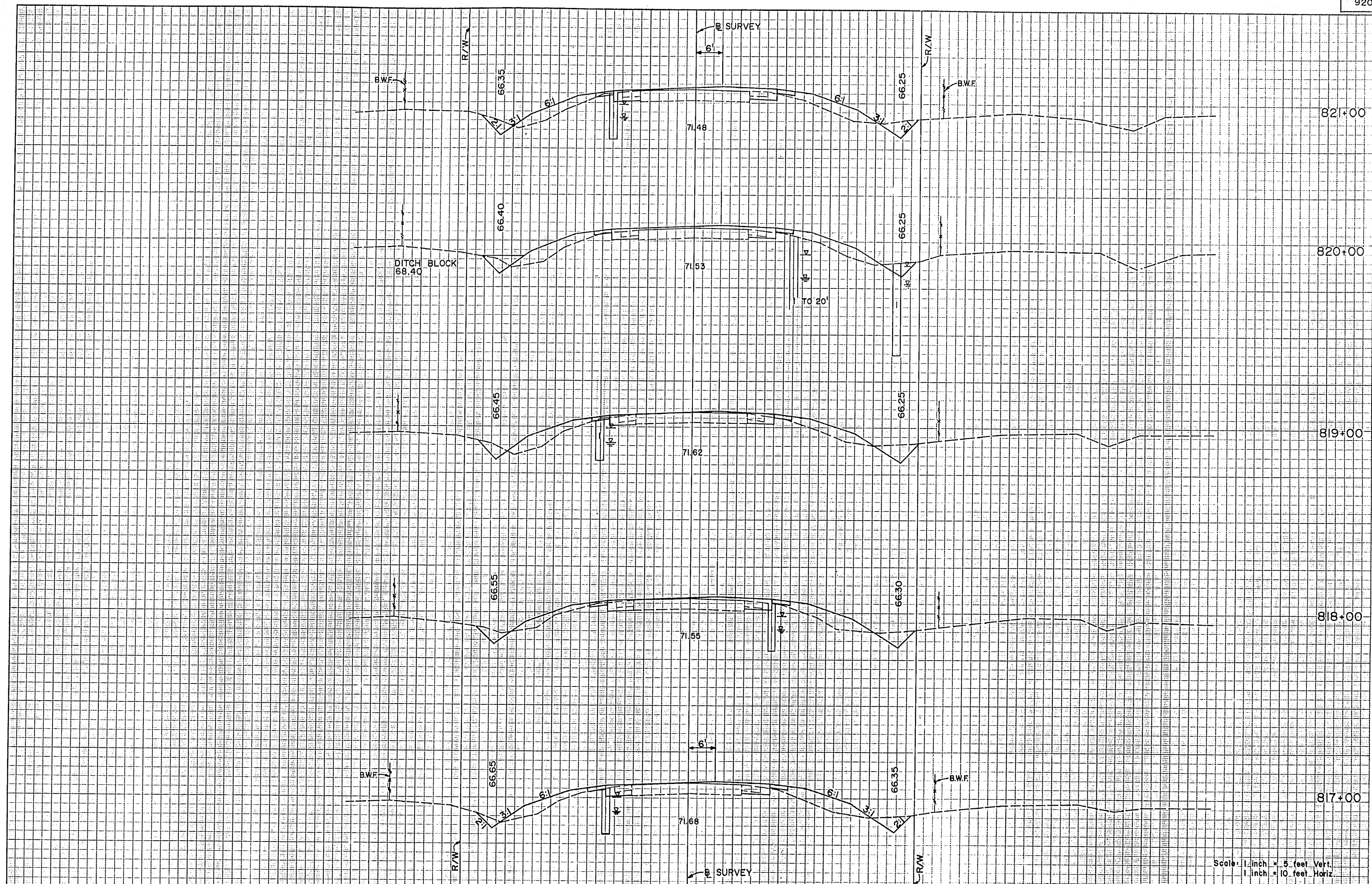


CROSS SECTIONS









A-2, A-3	MATERIAL
Exc.	Exc.
78	139
21	37
70	137
17	37
74	133
23	35
80	122
20	31
70	126
18	37

DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION		DATE		BY		DESCRIPTION	

DESIGNED BY	FLB	DATE	1/93	CHECKED BY	DHB	DATE	1/93
CHECKED BY	HML	DATE	1/93	CHECKED BY	FLB	DATE	1/93

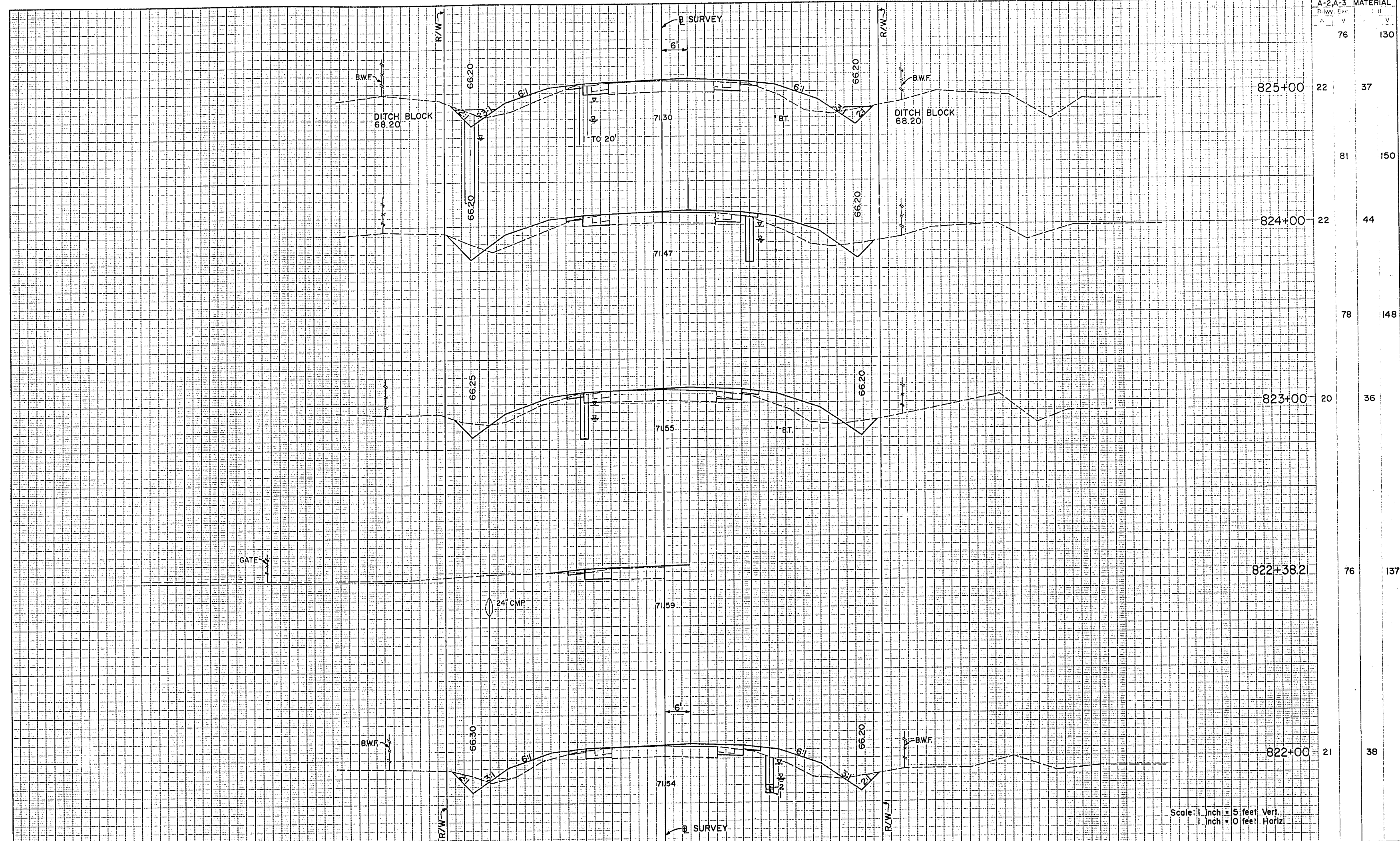
SUPERVISED BY: HUGH M. LOKEY, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION

CIVIL DESIGN GROUP  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

CROSS SECTIONS



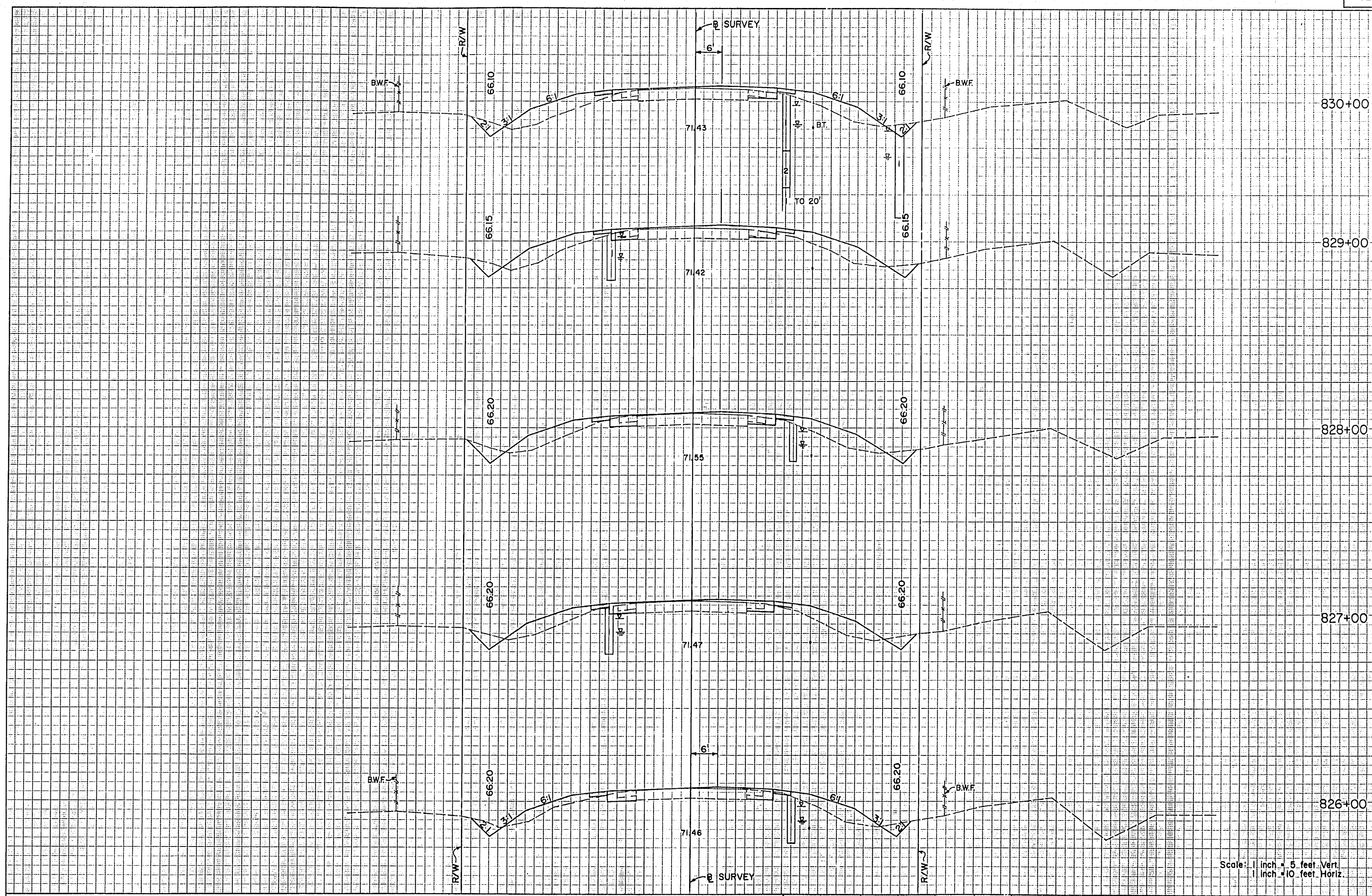


A-2-A-3	MATERIAL
76	130
81	150
78	148
20	36
76	137
21	38

REVISIONS DATE BY DESCRIPTION _____ _____ _____				DESIGNED BY: FLB 2/93 CHECKED BY: HML 2/93 SUPERVISED BY: HUGH M. LOKEY, P.E.				DRAWN BY: DHB 2/93 CHECKED BY: FLB 2/93 DATE: 1-11-95				FLORIDA DEPARTMENT OF TRANSPORTATION CIVIL DESIGN GROUP ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA				<b>CROSS SECTIONS</b>			
-------------------------------------------------------------	--	--	--	-------------------------------------------------------------------------------------	--	--	--	-------------------------------------------------------------	--	--	--	--------------------------------------------------------------------------------------------------------------------	--	--	--	-----------------------	--	--	--



A-2, A-3	MATERIAL
Exc.	Fill
61	170

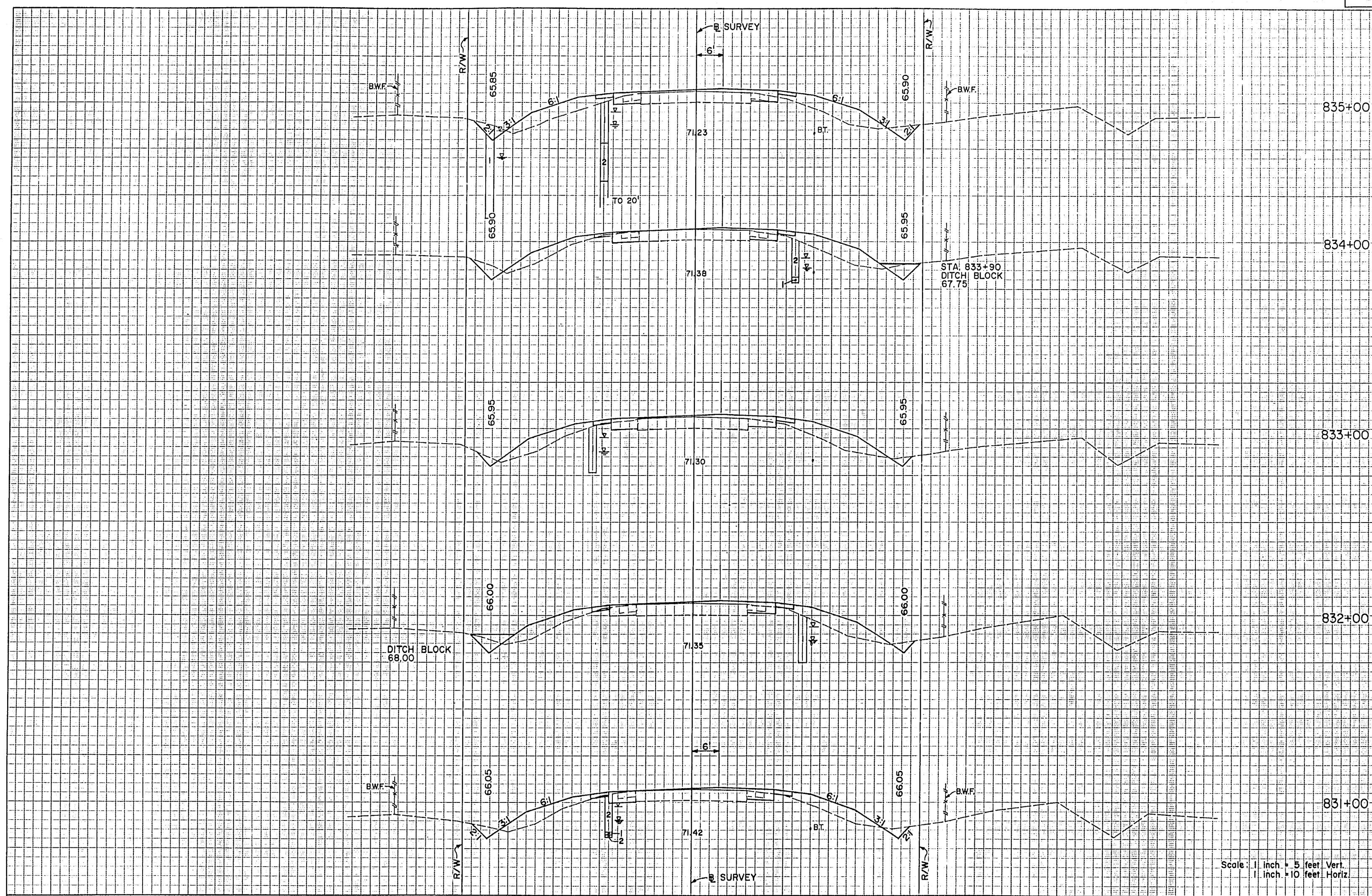


Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS				DESIGNED BY				FLORIDA DEPARTMENT OF TRANSPORTATION				CROSS SECTIONS	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESIGNED BY	NAME	DATE	APPROVED BY	DATE	
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								HML	2/93	2/93	FLB	2/93	
								SUPERVISOR BY HUGH M. LOKEY, P.E.				DATE 1-11-95	







A-2, A-3 MATERIAL	
1. H	2. V
69	176
18	54
70	181
20	44
56	176
10	51
46	180
15	46
56	161
15	41

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS			
DATE	BY	DESCRIPTION	DATE

DATE	BY	DESCRIPTION
2/93	FLB	DESIGNED BY
2/93	HML	CHECKED BY

DATE	BY	DESCRIPTION
2/93	DHB	DESIGNED BY
2/93	FLB	CHECKED BY

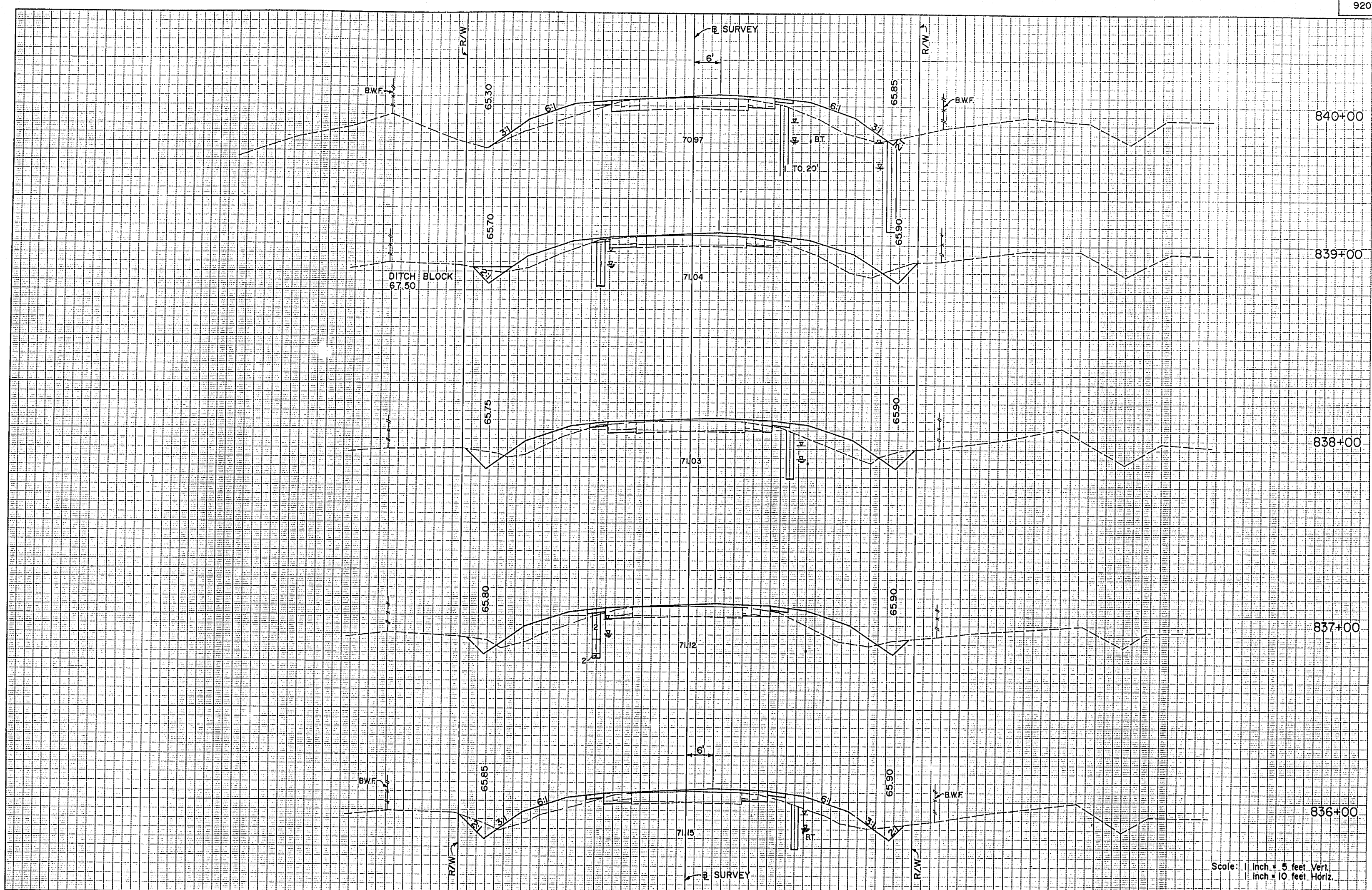
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FLORIDA DEPARTMENT OF TRANSPORTATION  
CIVIL DESIGN GROUP  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

CROSS SECTIONS

SUPERVISED BY: HUGH M. LOKEY, P.E.





A-2-A-3	MATERIAL
33	189
9	51
54	181
20	47
80	172
23	46
76	189
18	56
69	180
19	41

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DESIGNED BY	FLB	DATE	2/93	DRAWN BY	DHB	DATE	2/93
CHECKED BY	HML	DATE	2/93	CHECKED BY	FLB	DATE	2/93

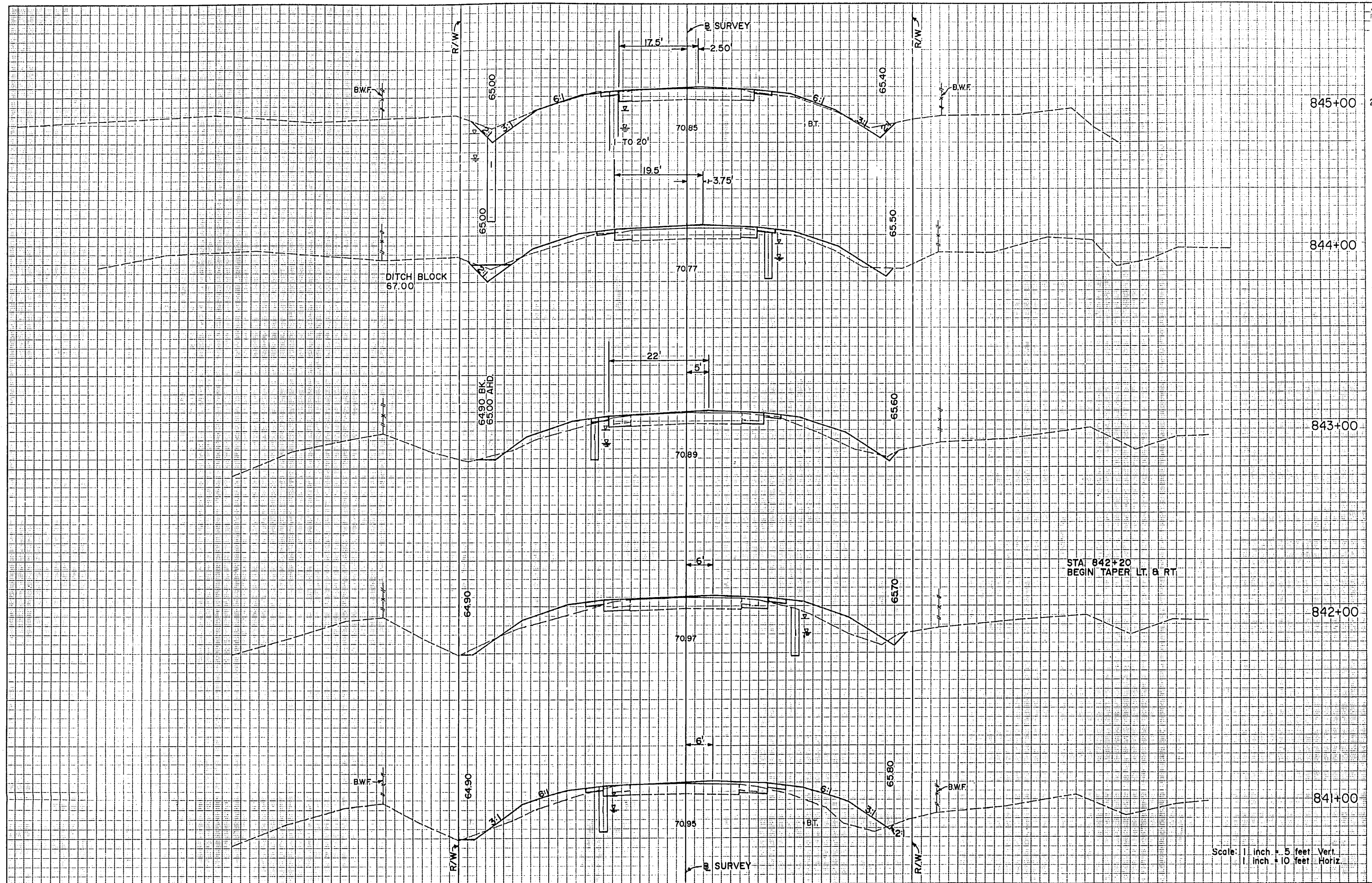
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FLORIDA DEPARTMENT OF TRANSPORTATION

CIVIL DESIGN GROUP  
ENGINEERS • SURVEYORS • PLANNERS  
ORLANDO, FLORIDA

CROSS SECTIONS



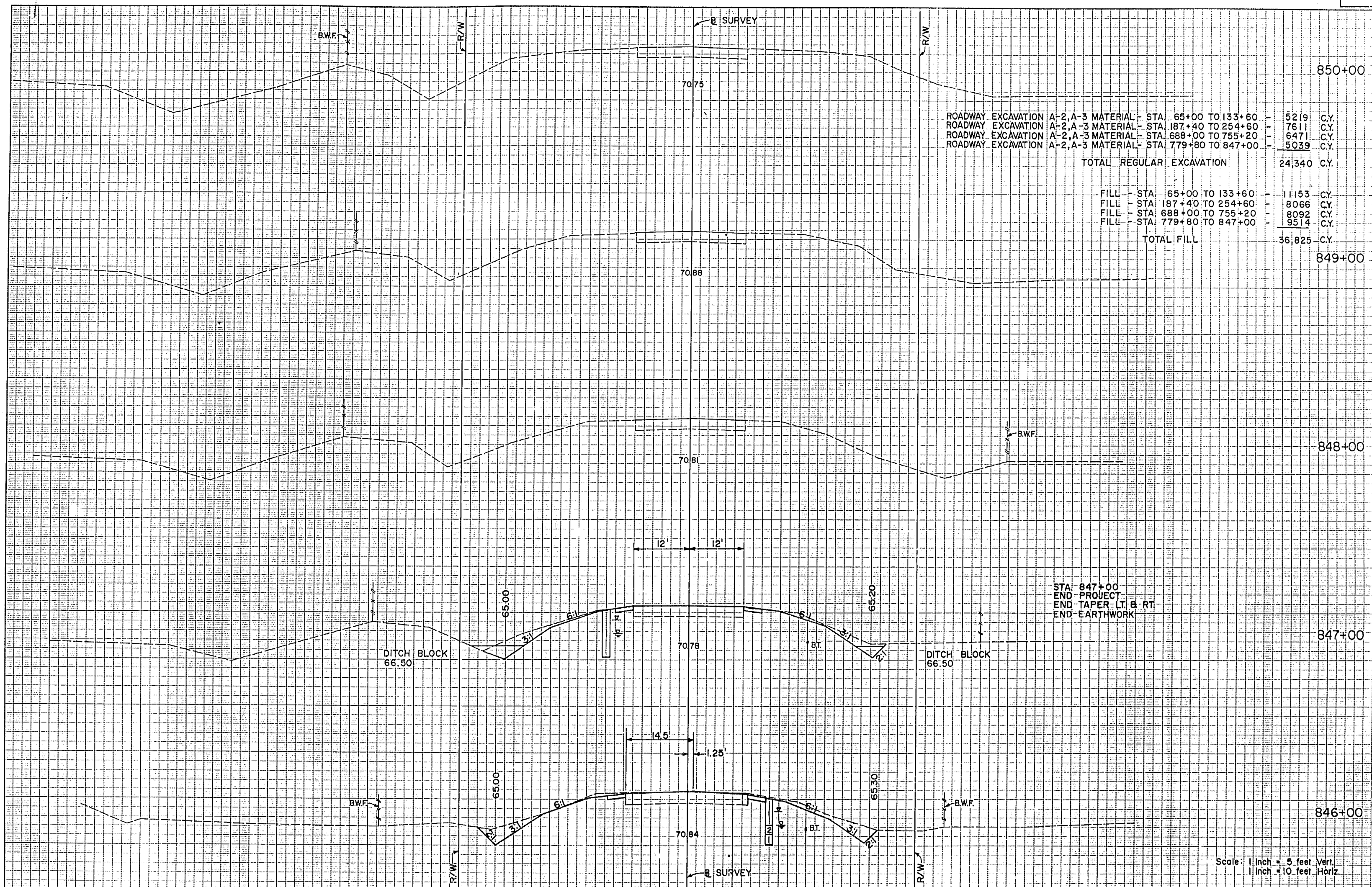


A-2, A-3	MATERIAL	THICKNESS	PERCENT
106	7		
22	4		
67	41		
14	18		
46	91		
11	31		
46	131		
14	40		
43	169		
9	51		

Scale: 1 inch = 5 feet Vert  
1 inch = 10 feet Horiz

REVISIONS DATE BY DESCRIPTION _____ _____ _____				DESIGNED BY: FLB 2/93 CHECKED BY: HML 2/93 SUPERVISED BY: HUGH M. LOKEY, P.E.				DRAWN BY: DHB 2/93 CHECKED BY: FLB 2/93 DATE: 1-11-95				FLORIDA DEPARTMENT OF TRANSPORTATION CIVIL DESIGN GROUP ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA				<b>CROSS SECTIONS</b>			
-------------------------------------------------------------	--	--	--	-------------------------------------------------------------------------------------	--	--	--	-------------------------------------------------------------	--	--	--	--------------------------------------------------------------------------------------------------------------------	--	--	--	-----------------------	--	--	--






STA. 847+00  
END PROJECT  
END TAPER LT. & RT.  
END EARTHWORK

Scale: 1 inch = 5 feet Vert.  
1 inch = 10 feet Horiz.

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DESIGNED BY	FLB	2/93	CHECKED BY	HML	2/93	APPROVED BY	DHB	2/93	FLORIDA DEPARTMENT OF TRANSPORTATION	DATE	1-1-95
SUPERVISED BY	HUGH M. LOKEY, P.E.										

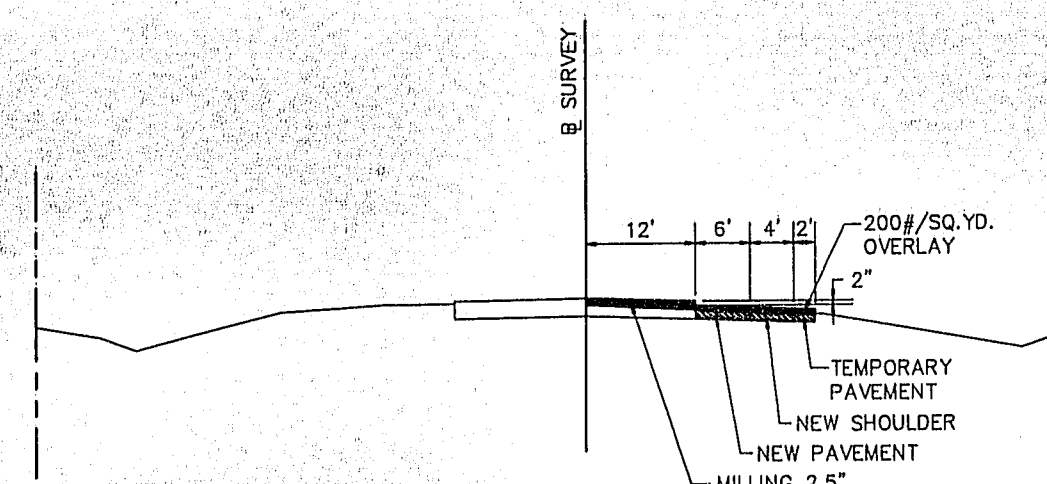
	<b>CIVIL DESIGN GROUP</b> ENGINEERS • SURVEYORS • PLANNERS ORLANDO, FLORIDA	<b>CROSS SECTIONS</b>
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TABULATION OF QUANTITIES						
BID ITEM	DESCRIPTION	UNIT	PHASE I		PHASE II	
			ORIG.	FINAL	ORIG.	FINAL
102-1	MAINTENANCE OF TRAFFIC	LS	1	1	1	
102-10	OFF-DUTY LAW ENFORCEMENT OFFICER	MH	64	64	128	
102-74-1	BARRICADE (TEMPORARY)(TYPE II)	ED	71,775	74,250	146,025	
102-75	TEMPORARY CONSTRUCTION SIGN	ED	9,675	9,900	19,575	
102-77	HIGH INTENSITY FLASHING LIGHTS (TEMPORARY--TYPE B)	ED	2,700	2,700	5,400	
102-921-1	TEMPORARY PAVEMENT MARKING (SKIP)	GM	-	3,657	3,657	
102-921-2	TEMPORARY PAVEMENT MARKING (SOLID)	NM	10,961	21,239	32,200	
102-921-3	TEMPORARY PAVEMENT MARKING (OTHER)	SF	-	448	448	
102-922-2	TEMPORARY PAVEMENT MARKING (SOLID)	NM	11,265	24,499	35,764	
102-96	TEMPORARY REGULATORY SIGN	ED	2,700	2,700	5,400	
102-99	VARIABLE MESSAGE SIGN (TEMPORARY)	ED	450	450	900	

# GENERAL NOTES

- Traffic shall be maintained in accordance with F.D.O.T. Roadway & Traffic Design Standards, Current Edition, Index 600 Series
- There are no restrictions to lane closures, however a lane may be closed only during active work periods.
- Arrows denote direction of traffic only and do not reflect pavement markings.
- Regulatory speed of 55 M.P.H. shall be posted within the limits of the work zone for Phases I and II.
- Variable message signs bid item No.102-99. Two variable message signs are to be used to advise travelers through out the project. Placement may vary as needed to be determined by contractor with F.D.O.T. project engineer approval.



PHASE I  
DETAIL  
NOT TO SCALE

DATE				DESCRIPTION				DATE				DESCRIPTION			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE

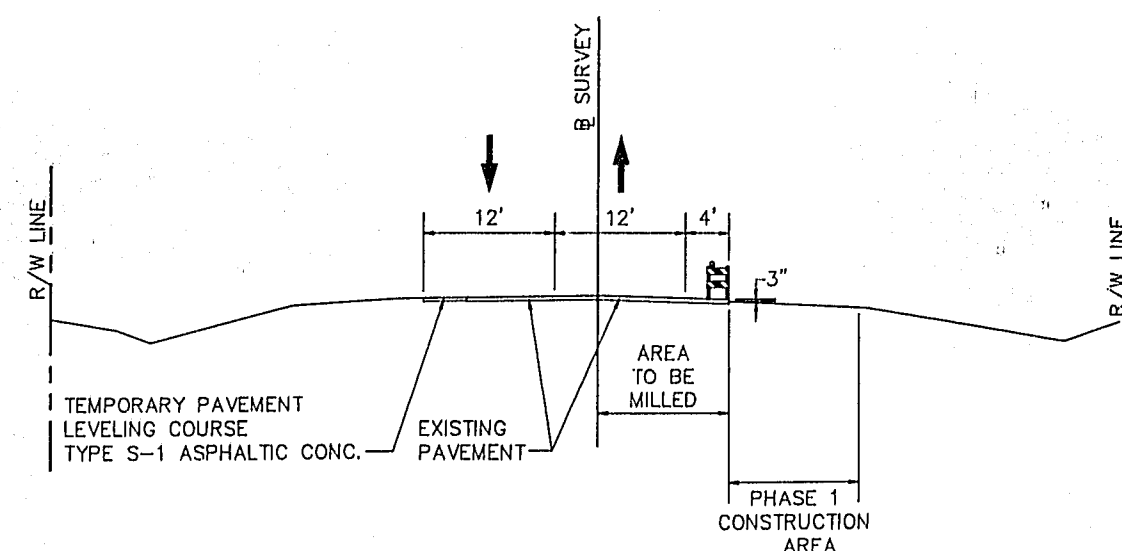
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	NAME	DATE	CHECKED BY	NAME	DATE
SUPERVISED BY	NAME	DATE	SUPERVISED BY	NAME	DATE

FLORIDA DEPARTMENT OF TRANSPORTATION	APPROVED BY	DATE

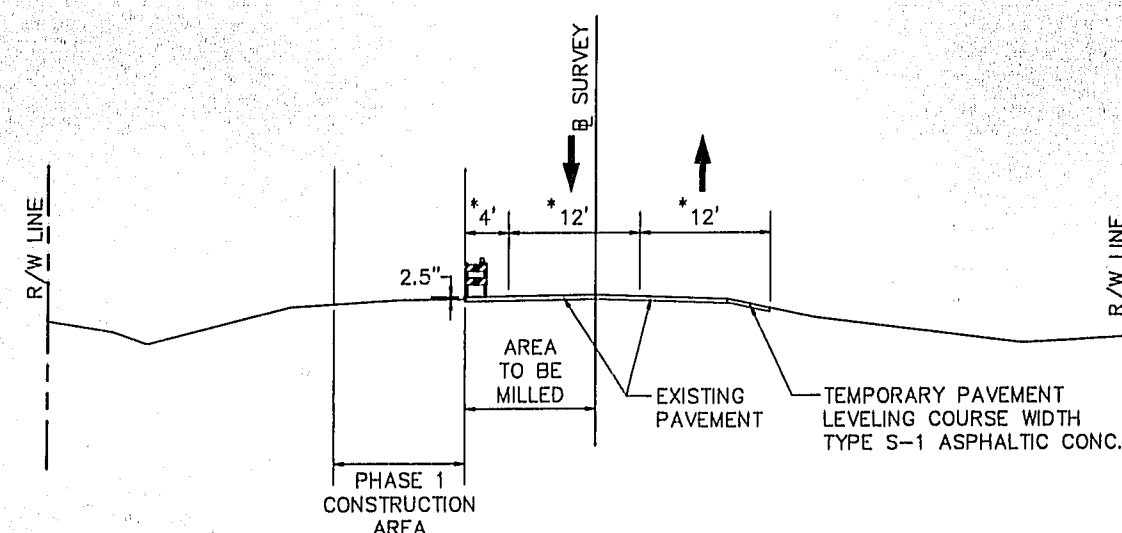
B R W	PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN
100 SOUTH ORANGE AVENUE, ORLANDO, FL 32801	

TABULATION OF QUANTITIES & GENERAL NOTES
STATE ROAD No. 60



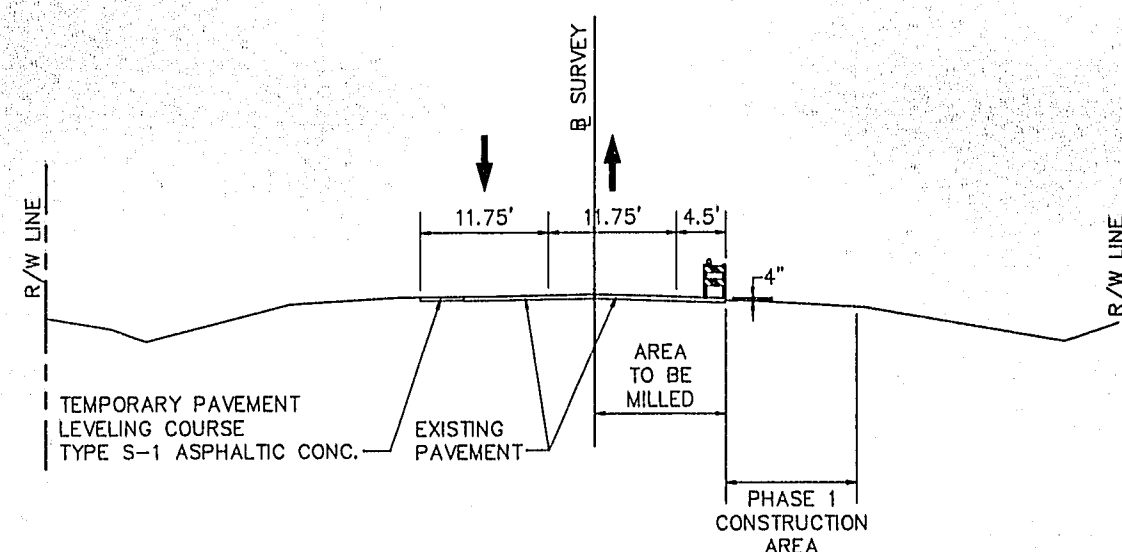


**TYPICAL SECTION**  
FROM STATION 62+60 TO STATION 136+00



**TYPICAL SECTION**  
FROM STATION 185+00 TO STATION 257+00 AND  
\* FROM STATION 777+40 TO STATION 849+40

\* NOTE: STA. 777+40 TO STA. 849+40  
LANE WIDTH TO BE 11.75'  
SAFETY AREA TO BE 4.5'



**TYPICAL SECTION**  
FROM STATION 685+60 TO STATION 757+60

### PHASE 1 (SHEET 103 TO 108)

1. Maintain two-lane, two-way traffic on existing lanes from station 62+60 to station 257+00 and from station 685+60 to station 849+40, during leveling course and new pavement construction as shown in 2 & 3 below.
2. Construct leveling course over existing shoulder to fill in existing ground-in rumble strip from station 62+60 to station 136+00, from station 185+00 to station 257+00, from station 685+60 to station 757+60 and from station 777+40 to station 849+40 to provide two-lane, two-way traffic over existing pavement and leveling course shoulder during phase 1 roadway construction. Construct signs as shown.
3. Construct right new pavement 0' to 6' from station 65+00 to station 133+60. New pavement should be brought up to 3" of existing pavement elevation.  
  
Construct left new pavement 0' to 6' from station 187+40 to station 254+60. New pavement should be brought up to 2.5" of existing pavement elevation.  
  
Construct right new pavement 0' to 6' from station 688+00 to station 755+20. New pavement should be brought up to 4" of existing pavement elevation.  
  
Construct left new pavement 0' to 6' from station 779+80 to station 847+00. New pavement should be brought up to 2.5" of existing pavement elevation.
4. Mill existing right lane 2.5" at centerline varying to 3.5" at shoulder. Pave first lift at 200 lb. per square yard over milled surface plus the new pavement from station 65+00 to station 133+60.  
  
Mill existing left lane 1.5" at centerline varying to 2.5" at shoulder. Pave first lift at 100 lb. per square yard over milled surface plus the new pavement from station 187+40 to station 254+60.  
  
Mill existing right lane 3" at centerline varying to 4" at shoulder. Place 1/2" armi layer on milled surface and across new pavement. Pave with 200 lb. per square yard of structure from station 688+00 to station 755+20.  
  
Mill existing left lane 1.5" at centerline varying to 2.5" at shoulder. Pave first lift at 100 lb. per square yard over milled surface plus the new pavement from station 779+80 to station 847+00.
5. Construct shoulder and temporary pavement width varying from 4' to 12' from station 62+60 to station 136+00 to elevation of existing right lane surface. (4" thickness)  
  
Construct shoulder and temporary pavement width varying from 4' to 12' from station 185+00 to station 257+00 to elevation of existing left lane surface. (4" thickness)  
  
Place 2nd lift of 200 lb per square yard over previously placed lift. Construct shoulder and temporary pavement width varying from 4' to 12' from station 685+60 to station 757+60 to elevation of existing right lane surface.  
  
Construct shoulder and temporary pavement width varying from 4' to 12' from station 777+40 to station 849+40 to elevation of existing left lane surface.

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE	FLORIDA DEPARTMENT OF TRANSPORTATION	BRW	PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN
									B.L.F.	7-12-93		B.L.F.	12-28-94		APPROVED BY		
									L.E.D.	7-12-93		D.J.D.	12-28-94		DATE 1-9-95		

**TYPICAL SECTION - PHASE 1**  
STATE ROAD No. 60

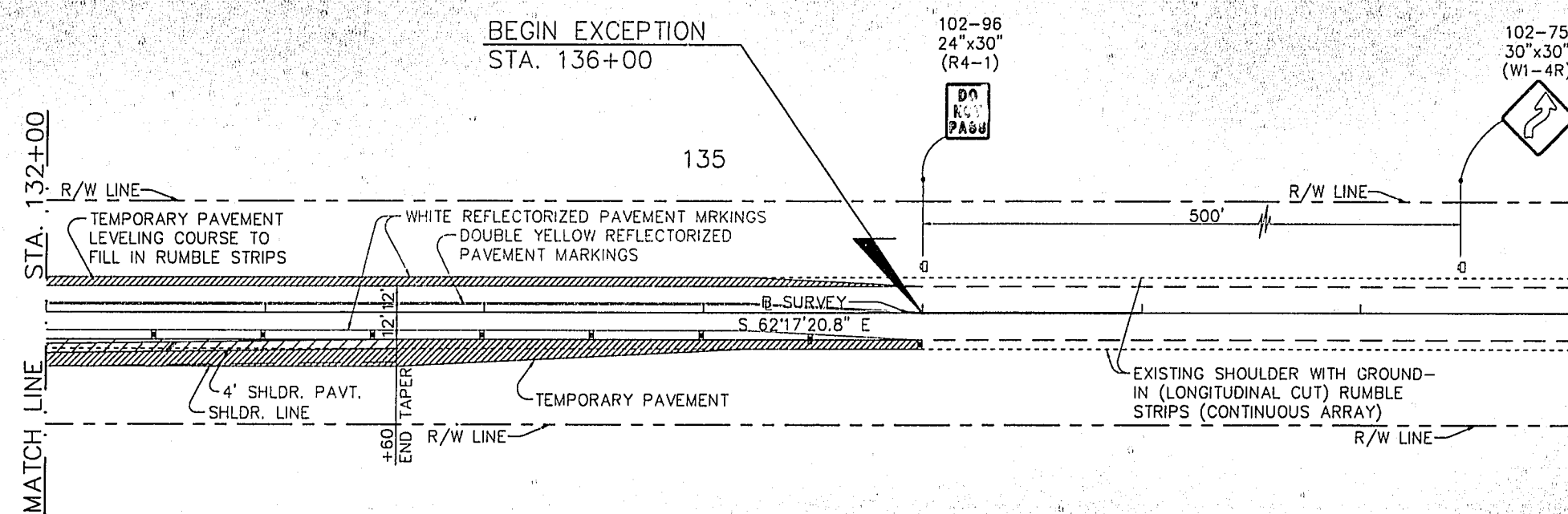
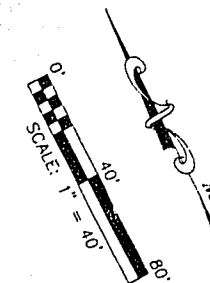












NOTE: TYPE II BARRICADES AT 50' CENTERS FOR TRANSITION AND FOR THE FIRST 250', THEREAFTER TYPE II BARRICADES AT 100' CENTERS

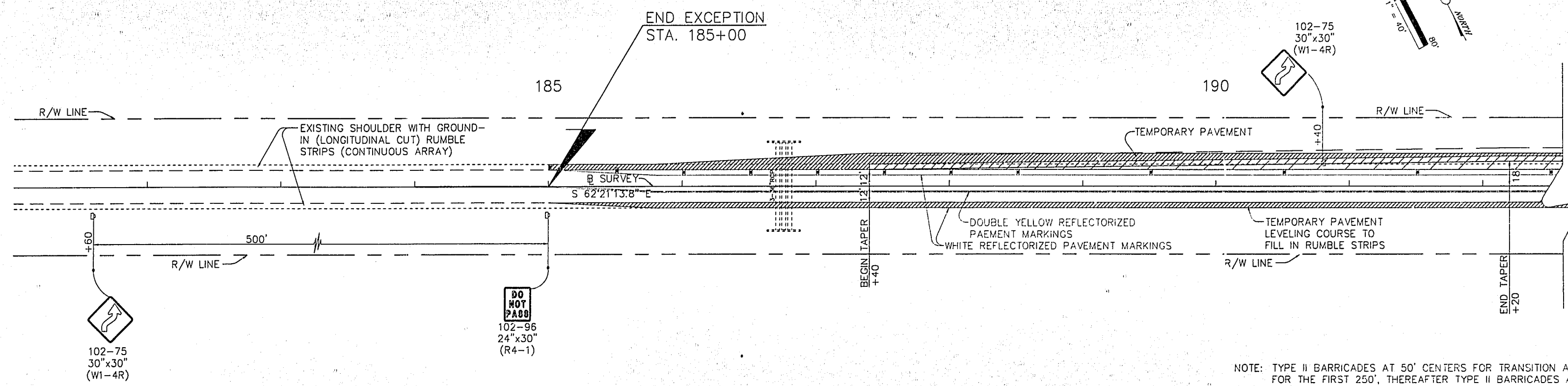
# LEGEND

- ◻ WORK ZONE SIGN
- ◻ EXISTING SIGN
- TYPE II BARRICADE (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- ◻ SIGNAL WITH 18"x18" (MIN.) ORANGE FLAG AND TYPE B LIGHT

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE	FLORIDA DEPARTMENT OF TRANSPORTATION	BRW	PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN
									B.L.F.	7-6-93		B.L.F.	12-27-94		APPROVED BY		
									L.E.D.	7-6-93		D.J.D.	12-27-94		DATE 1-9-95		
									SUPERVISED BY DAVID J. DUNLAP								

TRAFFIC CONTROL PLANS - PHASE 1  
STATE ROAD No. 60

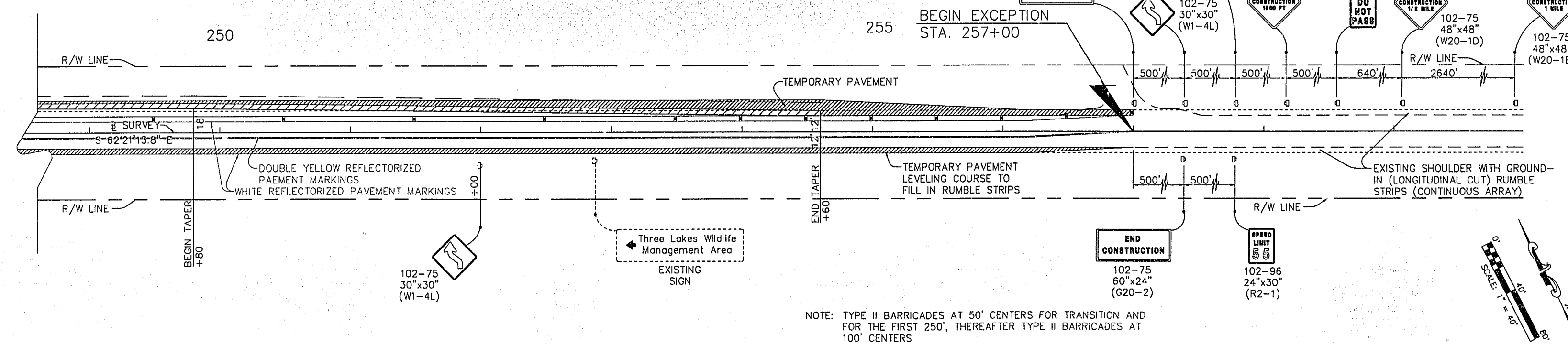




NOTE: TYPE II BARRICADES AT 50' CENTERS FOR TRANSITION AND FOR THE FIRST 250', THEREAFTER TYPE II BARRICADES AT 100' CENTERS

### LEGEND

- ◻ WORK ZONE SIGN
- ◻ EXISTING SIGN
- TYPE II BARRICADE (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- ◻ SIGNAL WITH 18"x18" (MIN.) ORANGE FLAG AND TYPE B LIGHT



NOTE: TYPE II BARRICADES AT 50' CENTERS FOR TRANSITION AND FOR THE FIRST 250', THEREAFTER TYPE II BARRICADES AT 100' CENTERS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DESIGNED BY: B.L.F. 7-6-93  
 CHECKED BY: L.E.D. 7-6-93  
 SUPERVISED BY: DAVID J. DUNLAP

FLORIDA DEPARTMENT OF TRANSPORTATION  
 DRAWN BY: B.L.F. 12-27-94  
 CHECKED BY: D.J.D. 12-27-94  
 APPROVED BY: *[Signature]* DATE 1-9-95

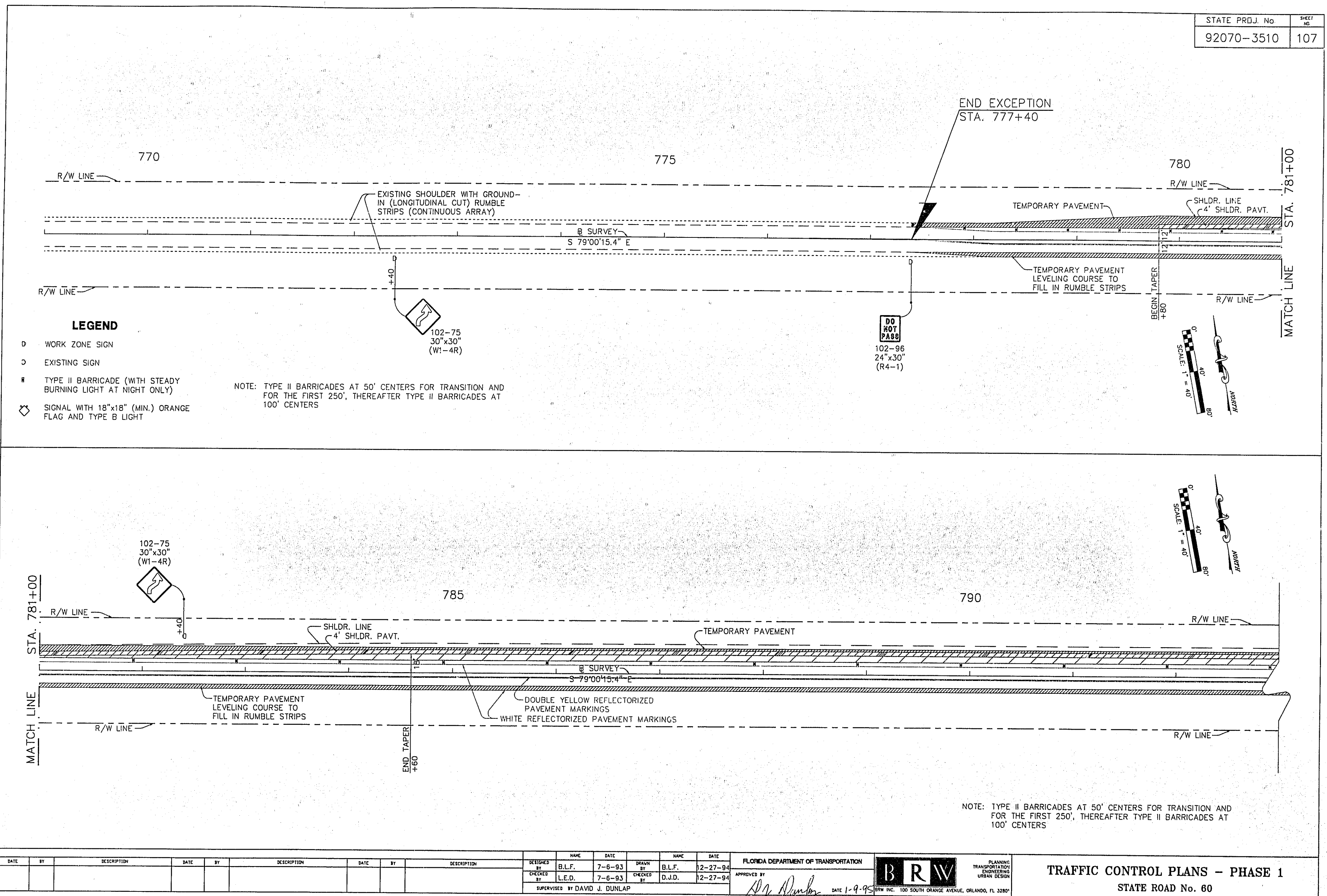
**BRW**  
 PLANNING  
 TRANSPORTATION  
 ENGINEERING  
 URBAN DESIGN  
 100 SOUTH ORANGE AVENUE, ORLANDO, FL 32801

**TRAFFIC CONTROL PLANS - PHASE 1**  
 STATE ROAD No. 60









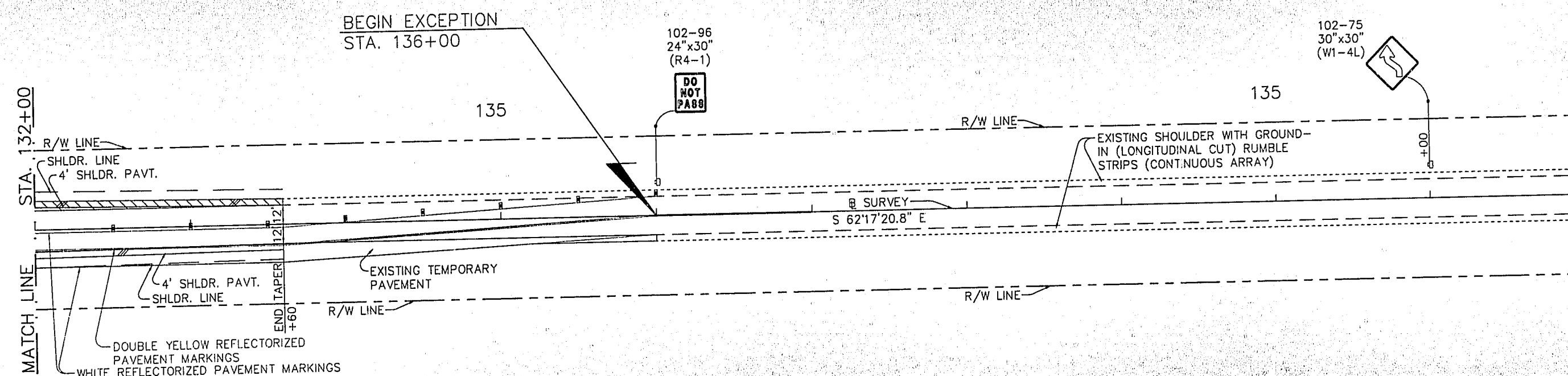
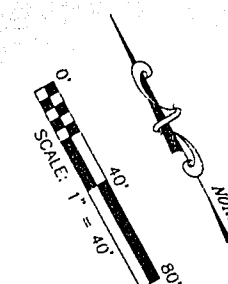














# LEGEND

- D WORK ZONE SIGN
- D EXISTING SIGN
- TYPE II BARRICADE (WITH STEADY BURNING LIGHT AT NIGHT ONLY)
- ◊ SIGNAL WITH 18"x18" (MIN.) ORANGE FLAG AND TYPE B LIGHT

NOTE: TYPE II BARRICADES AT 50' CENTERS FOR TRANSITION AND FOR THE FIRST 250', THEREAFTER TYPE II BARRICADES AT 100' CENTERS

										NAME		DATE		NAME		DATE		FLORIDA DEPARTMENT OF TRANSPORTATION			PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN	TRAFFIC CONTROL PLANS - PHASE 2  STATE ROAD No. 60							
										DESIGNED BY	B.L.F.	7-6-93	DRAWN BY	B.L.F.	12-27-94	APPROVED BY								DATE 1-9-95		BRW INC. 100 SOUTH ORANGE AVENUE, ORLANDO, FL 32801			
										CHECKED BY	L.E.D.	7-6-93	CHECKED BY	D.J.D.	12-27-94														
										SUPERVISED BY DAVID J. DUNLAP																			
DATE		BY		DESCRIPTION				DATE		BY		DESCRIPTION				DATE		BY		DESCRIPTION									

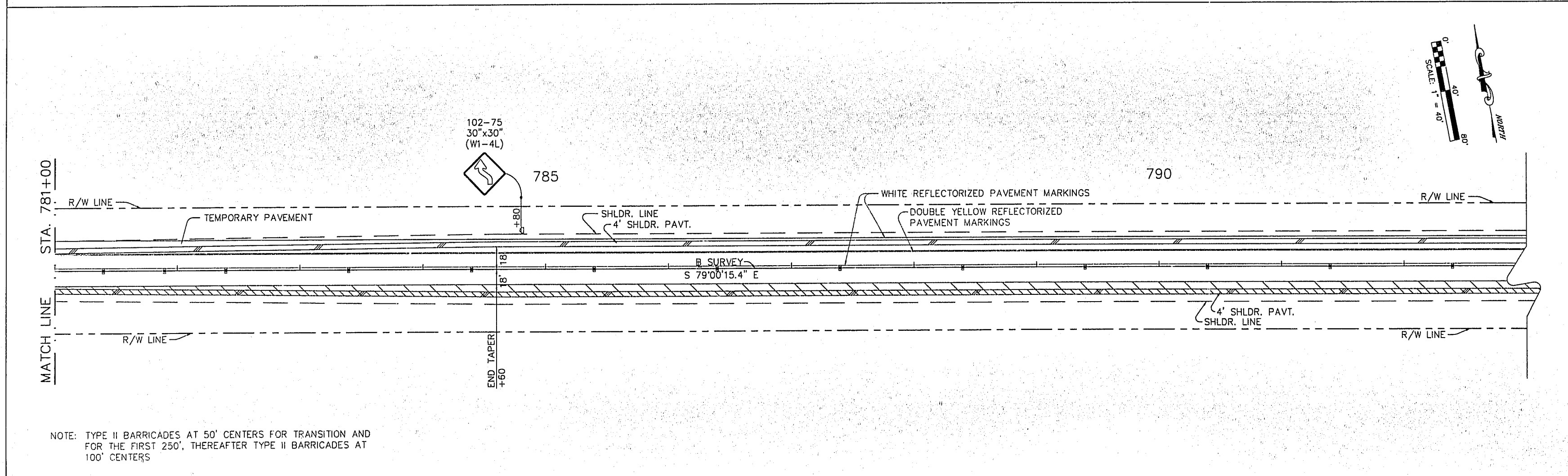
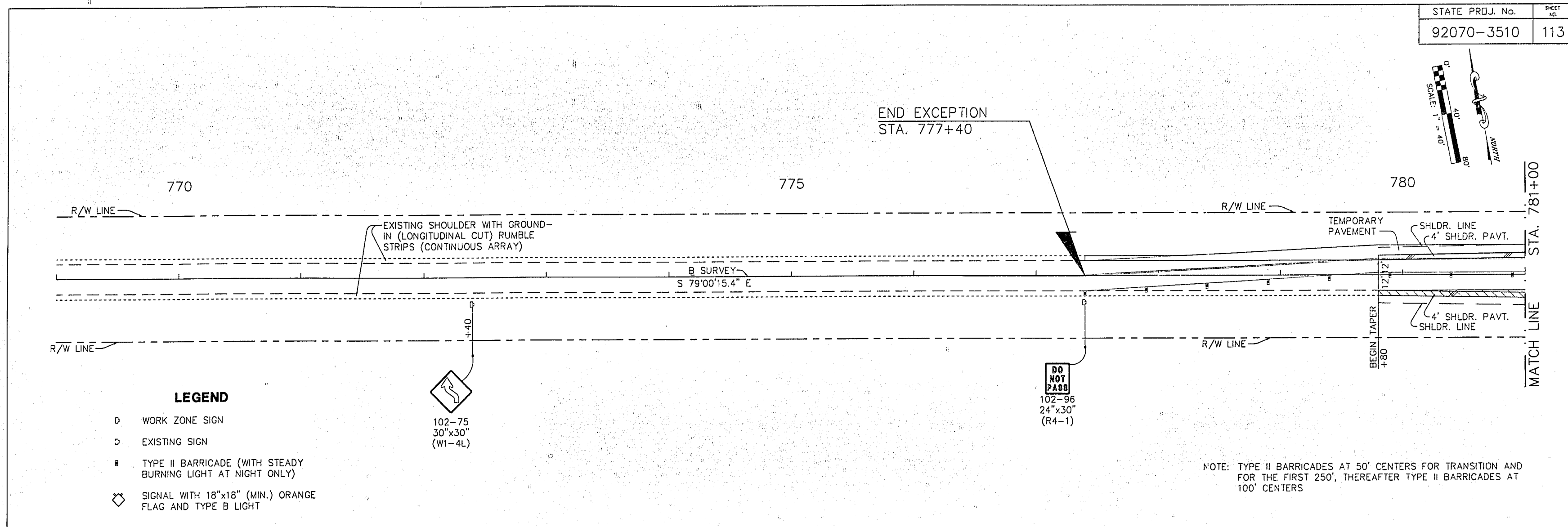










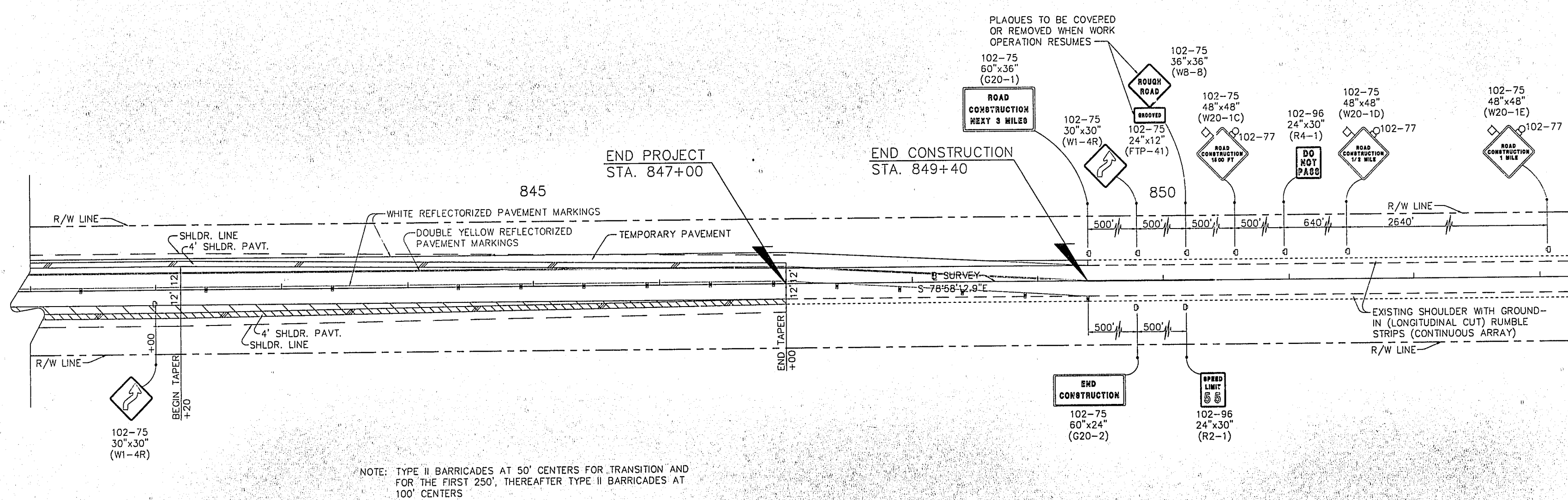
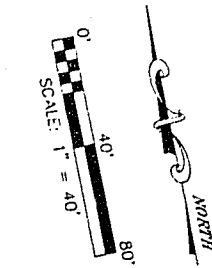






									NAME		DATE		NAME		DATE		FLORIDA DEPARTMENT OF TRANSPORTATION			PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN	TRAFFIC CONTROL PLANS - PHASE 2	STATE ROAD No. 60					
DATE	BY	DESCRIPTION			DATE	BY	DESCRIPTION			DATE	BY	DESCRIPTION			DESIGNED BY	B.L.F.	7-6-93	DRAWN BY					B.L.F.	12-28-94	APPROVED BY	DATE	
															CHECKED BY <th>L.E.D.</th> <th>7-6-93</th> <td></td> <td>CHECKED BY<th>D.J.D.</th><th>12-28-94</th><td rowspan="2"></td><td rowspan="2">1-9-95</td></td>	L.E.D.	7-6-93						CHECKED BY <th>D.J.D.</th> <th>12-28-94</th> <td rowspan="2"></td> <td rowspan="2">1-9-95</td>	D.J.D.	12-28-94		1-9-95
															SUPERVISED BY DAVID J. DUNLAP												
																			BRW INC. 100 SOUTH ORANGE AVENUE, ORLANDO, FL 32801								







STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED  
STATE HIGHWAY

STATE PROJ. No. 92070-3510  
OSCEOLA COUNTY  
STATE ROAD No. 60

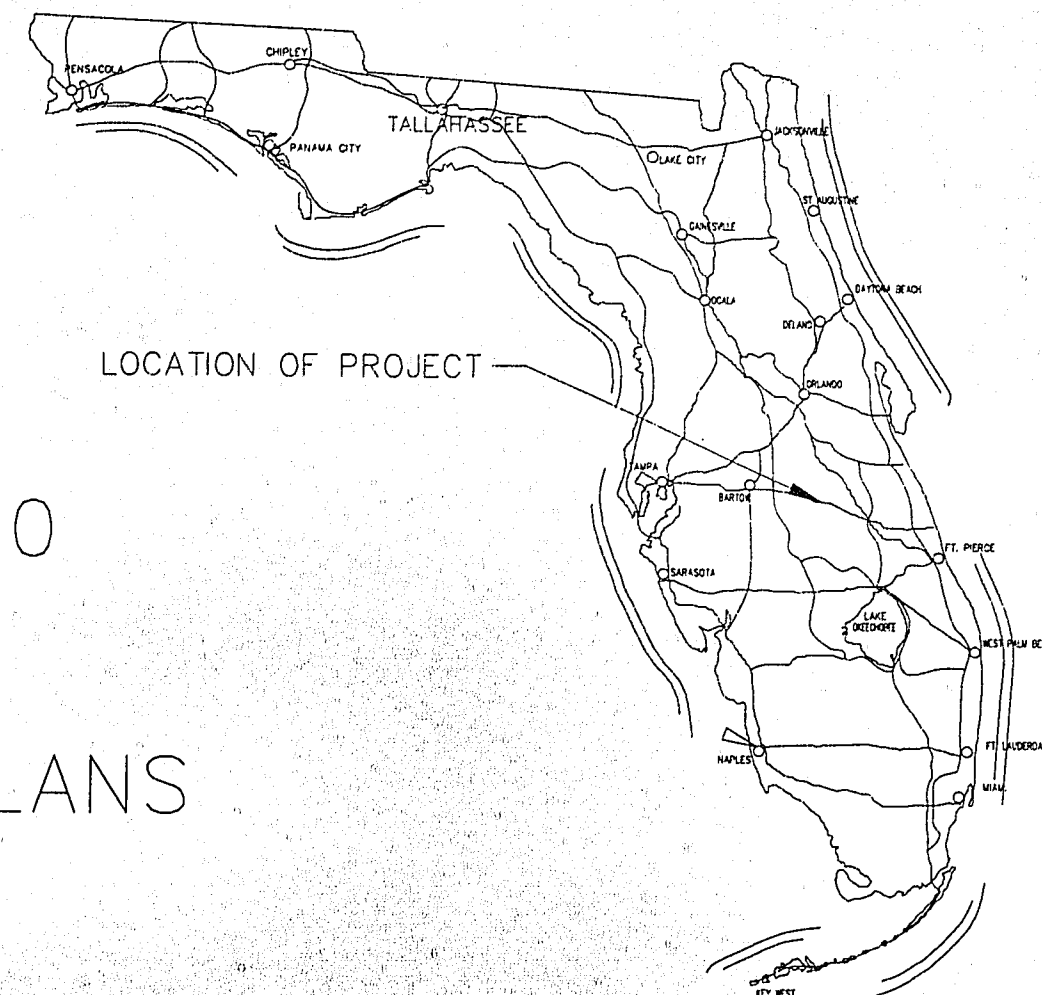
SIGNING & PAVEMENT MARKING PLANS

INDEX OF SIGNING &  
PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
S-1	KEY SHEET
S-2	TABULATION OF QUANTITIES AND GENERAL NOTES
S-3 thru S-17	SIGNING & PAVEMENT MARKING PLANS
S-18	GUIDE SIGN DETAIL

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)

F.D.O.T. PROJECT MANAGER: GARY W. BASS



SIGNING & PAVEMENT MARKING PLANS  
ENGINEER OF RECORD:  
DAVID J. DUNLAP, P.E.



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: STATE OF FLORIDA,  
DEPARTMENT OF TRANSPORTATION, STANDARD  
SPECIFICATIONS, DATED 1991 AND SUPPLEMENTS  
THEREO IF NOTED IN THE SPECIAL PROVISIONS  
FOR THIS PROJECT.

SIGNING & PAVEMENT MARKING PLANS

APPROVED BY: *[Signature]*

DATE: 1-9-95

FLORIDA P.E. No.: 34734



## TABULATION OF QUANTITIES

TABULATION OF QUANTITIES																																							
BID ITEM	DESCRIPTION	UNIT	SHEET S-3		SHEET S-4		SHEET S-5		SHEET S-6		SHEET S-7		SHEET S-8		SHEET S-9		SHEET S-10		SHEET S-11		SHEET S-12		SHEET S-13		SHEET S-14		SHEET S-15		SHEET S-16		SHEET S-17		TOTAL THIS SHEET		GRAND TOTAL		REF. SHEET		
			ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL			
700-40-1	SIGN SINGLE POST (R2-1)(24"x30")	AS	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-			
700-40-1	SIGN SINGLE POST (R4-3)(24"x30")	AS	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	8				
700-40-1	SIGN SINGLE POST (W4-2L)(36"x36")	AS	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-				
700-40-1	SIGN SINGLE POST (W9-1L)(36"x36")	AS	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-				
700-40-1	SIGN SINGLE POST (W9-2R)(36"x36")	AS	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-				
700-40-1	SIGN SINGLE POST (W14-3)(36"x48"x48")	AS	1	-	-	2	-	1	-	1	-	2	-	1	-	1	-	1	-	2	-	2	-	1	-	1	-	2	-	1	-	1	-	20	-				
700-40-1	SIGN SINGLE POST (VARIABLE MESSAGE)(#1)	AS	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4	-				
700-40-1	SIGN SINGLE POST (VARIABLE MESSAGE)(#2)	AS	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4	-	49			
700-46-21	RELOCATE SIGN SINGLE POST MOUNTED	AS	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-				
706-1-12	REFLECTIVE PAVEMENT MARKERS (F&J)(CLASSB)(COLORLESS)/MONO	EA	31	-	60	-	28	-	-	3	-	55	-	55	-	2	-	36	-	60	-	20	-	-	-	-	-	39	-	60	-	29	-	478	-				
706-1-12	REFLECTIVE PAVEMENT MARKERS (F&J)(CLASS B)(AMBER)/AMBER	EA	116	-	120	-	168	-	8	-	120	-	110	-	110	-	56	-	128	-	120	-	150	-	6	-	146	-	120	-	106	-	1584	-	2062	-			
711-31	SKIP TRAFFIC STRIPE, 10' OF 6" WHITE THERMOPLASTIC - 30' SKIP	GM	0.236	-	0.455	-	0.212	-	-	0.023	-	0.417	-	0.417	-	0.017	-	0.274	-	0.455	-	0.152	-	-	-	0.295	-	0.455	-	0.214	-	3.622	-	-	-				
711-33	SKIP TRAFFIC STRIPE, 6' OF 6" WHITE THERMOPLASTIC - 10' SKIP	LF	-	-	24	-	24	-	-	-	-	-	-	-	-	-	-	24	-	72	-	24	-	-	-	24	-	-	-	24	-	-	-	216	-				
711-3	PAVEMENT MESSAGES THERMOPLASTIC, MERGE	EA	-	-	-	-	2	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	-	-	-	-	8	-				
711-4	DIRECTIONAL ARROW THERMOPLASTIC	EA	-	-	-	-	2	-	-	1	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	-	-	-	-	-	8	-					
711-36-181	SOLID TRAFFIC STRIPE, 18" YELLOW LINE	LF	121	-	-	-	243	-	6	-	222	-	833	-	822	-	105	-	105	-	-	-	242	-	-	-	142	-	-	-	-	106	-	1292	-				
711-37-61	SOLID TRAFFIC STRIPE, 6" WHITE EDGE LINE	NM	0.720	-	0.898	-	0.898	-	0.061	-	0.591	-	0.833	-	0.822	-	0.303	-	0.811	-	0.909	-	0.856	-	0.061	-	0.909	-	0.909	-	0.697	-	10.278	-					
711-38-61	SOLID TRAFFIC STRIPE, 6" YELLOW LINE	NM	0.967	-	0.909	-	1.369	-	0.121	-	1.118	-	0.933	-	0.833	-	0.567	-	1.068	-	0.909	-	1.378	-	0.091	-	1.205	-	0.909	-	0.953	-	13.234	-	23.512	-			

## GENERAL NOTES:

- ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED ON THE PLANS.
- SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH UTILITIES, LIGHTING, ETC. MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER. EXTREME LOCATION CHANGES MUST BE APPROVED BY THE ENGINEER.
- ALL GROUND MOUNT SIGNS SHALL BE DESIGNED WITH BREAKAWAY SUPPORT.
- B SERIES 8" WERE USED TO DESIGN GUIDE SIGNS.
- LOCATION OF EXISTING SIGNS SHOWN IS APPROXIMATE. SIGNS TO BE RELOCATED TO FINAL LOCATION AS SHOWN ON PLAN SHEETS.
- WHEN GROUND SIGN SUPPORTS (SINGLE) AND STANDARD SIGN PANELS ARE FABRICATED IN ACCORDANCE WITH THESE PLANS, NO SHOP DRAWINGS ARE REQUIRED.

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE	FLORIDA DEPARTMENT OF TRANSPORTATION	APPROVED BY	DATE	PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN
									B.L.F.		7-12-93	B.L.F.		1-3-95		<i>[Signature]</i>	1-9-95	
									CHECKED BY	L.E.D.	7-12-93	CHECKED BY	D.J.D.	1-3-95				
									SUPERVISED BY DAVID J. DUNLAP									

**B R W**  
BRW INC. 100 SOUTH ORANGE AVENUE, ORLANDO, FL 32801

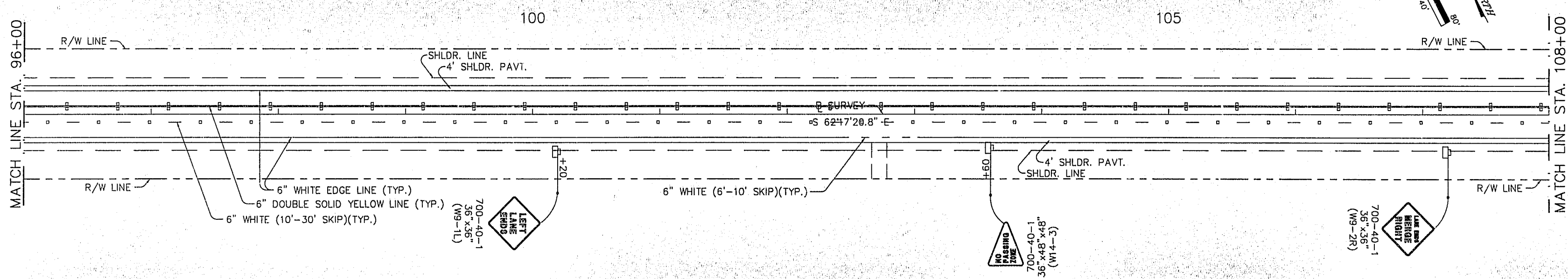
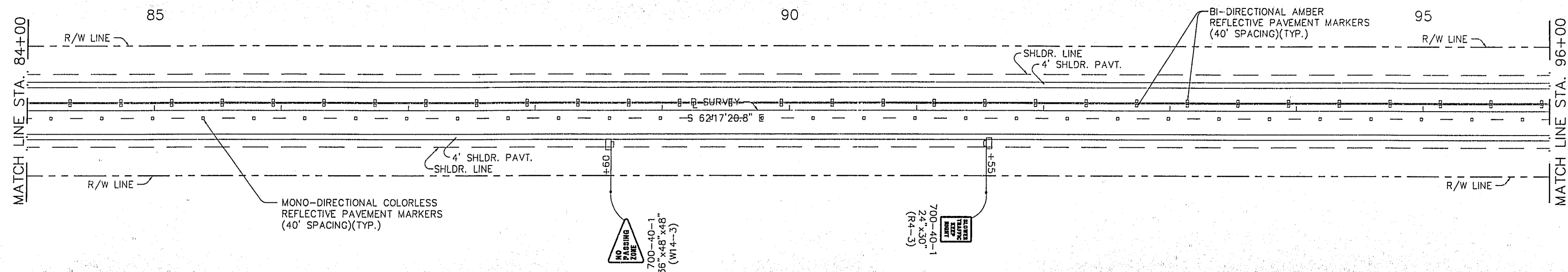
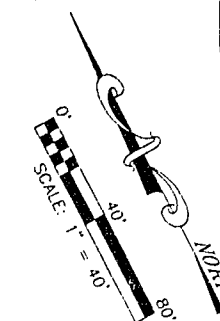
**TABULATION OF QUANTITIES & GENERAL NOTES**  
STATE ROAD No. 60







STATE PROJ. No.	SHEET No.
92070-3510	S-4



DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

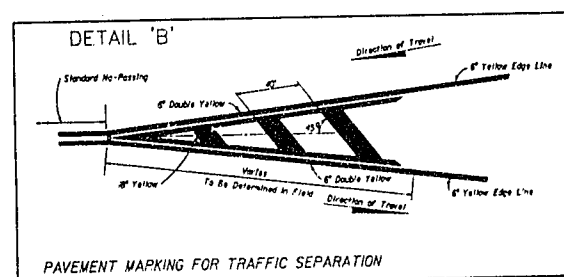
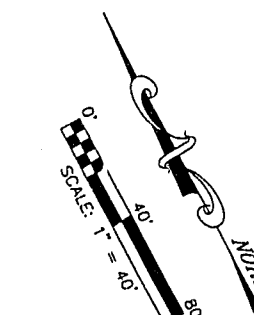
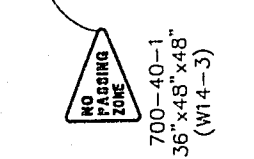
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
BY	B.L.F.	7-9-93	BY	B.L.F.	10-28-94
CHECKED BY	L.E.O.	7-9-93	CHECKED BY	L.E.O.	10-28-94
SUPERVISED BY	DAVID J. DUNLAP				

FLORIDA DEPARTMENT OF TRANSPORTATION  
APPROVED BY  
*D. J. Amuly*  
DATE 1-9-95



**SIGNING & PAVEMENT MARKINGS**  
STATE ROAD No. 80



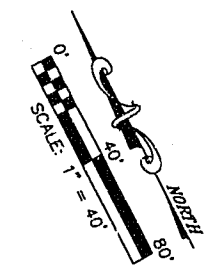
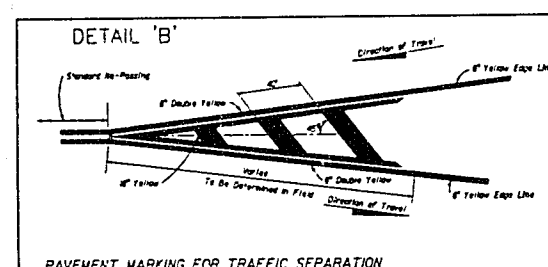




SIGNING & PAVEMENT MARKINGS  
STATE ROAD No. 60



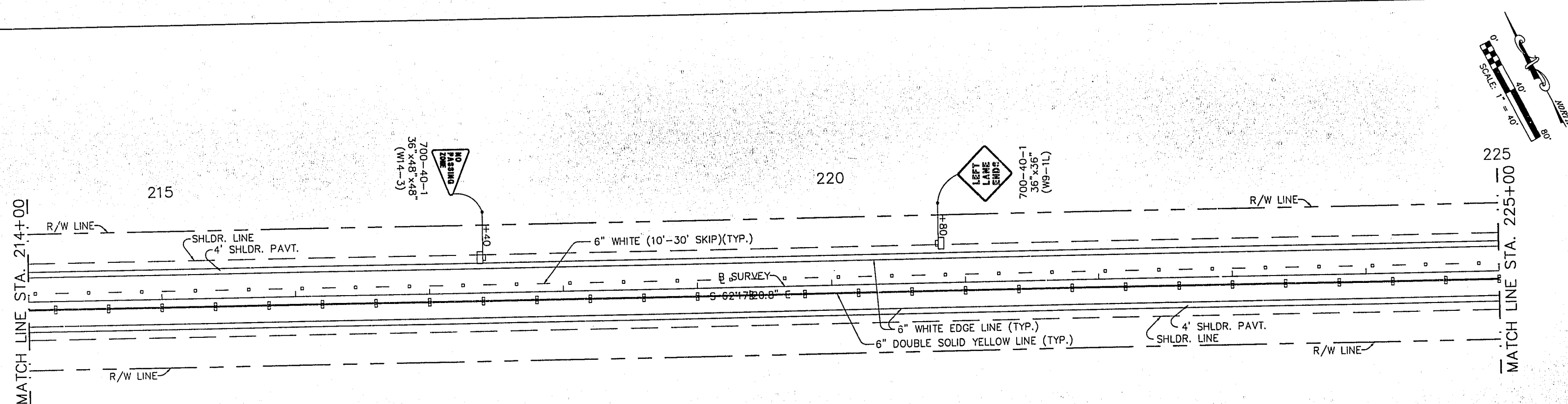
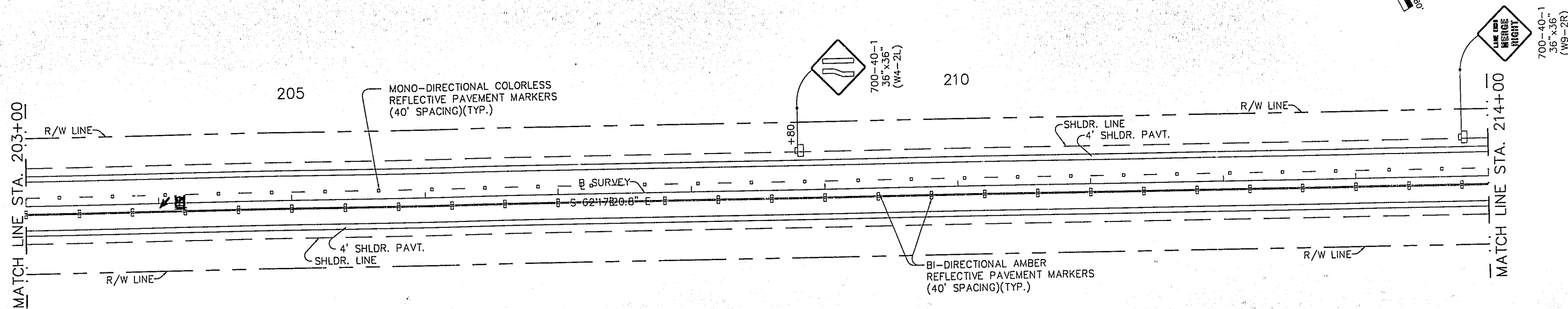
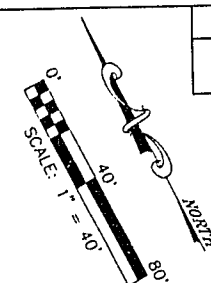






										NAME		DATE		NAME		DATE		FLORIDA DEPARTMENT OF TRANSPORTATION			PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN	SIGNING & PAVEMENT MARKINGS STATE ROAD No. 60					
DATE	BY	DESCRIPTION			DATE	BY	DESCRIPTION			DATE	BY	DESCRIPTION			DESIGNED BY	B.L.F.	7-9-93	DRAWN BY	B.L.F.					10-28-94	APPROVED BY		DATE 1-9-95
															CHECKED BY	L.E.D.	7-9-93	CHECKED BY	L.E.D.					10-28-94			
															SUPERVISED BY DAVID J. DUNLAP									BRW INC. 100 SOUTH ORANGE AVENUE, ORLANDO, FL 32801			





DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DESIGNED BY	B.L.F.	DATE	7-9-93	DRAWN BY	B.L.F.	DATE	11-24-93
CHECKED BY	L.E.D.	DATE	7-9-93	CHECKED BY	L.E.D.	DATE	11-24-93

SUPERVISED BY DAVID J. DUNLAP

FLORIDA DEPARTMENT OF TRANSPORTATION

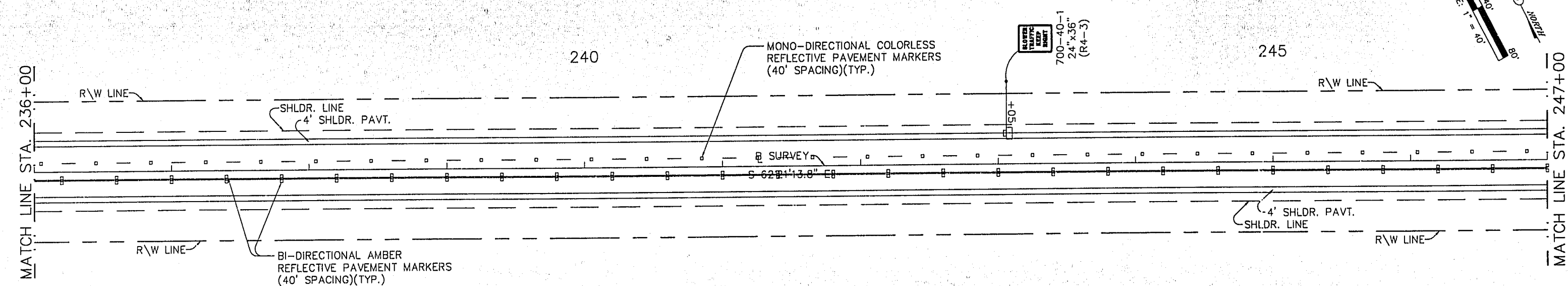
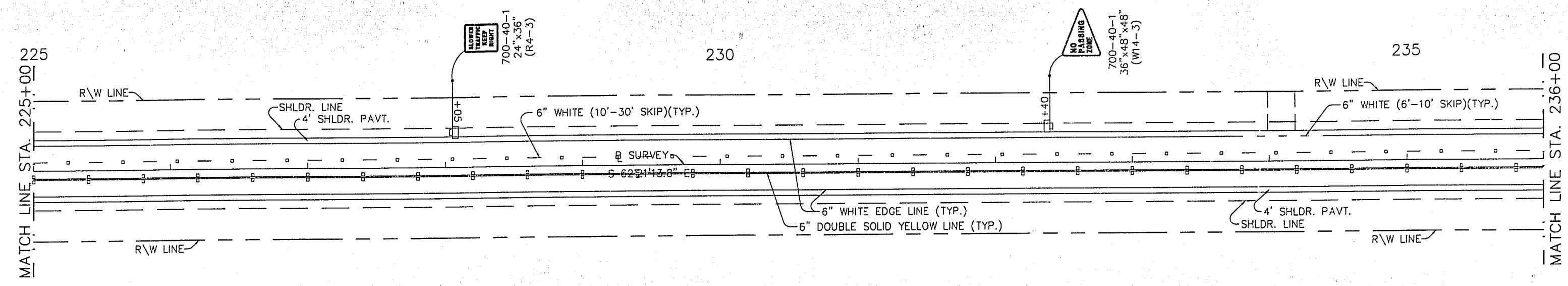
APPROVED BY *[Signature]* DATE 1-9-95

**BRW** INC. 100 SOUTH ORANGE AVENUE, ORLANDO, FL 32801

PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN

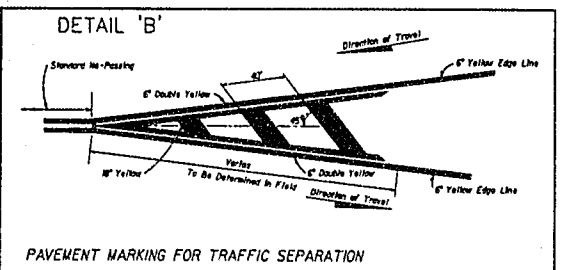
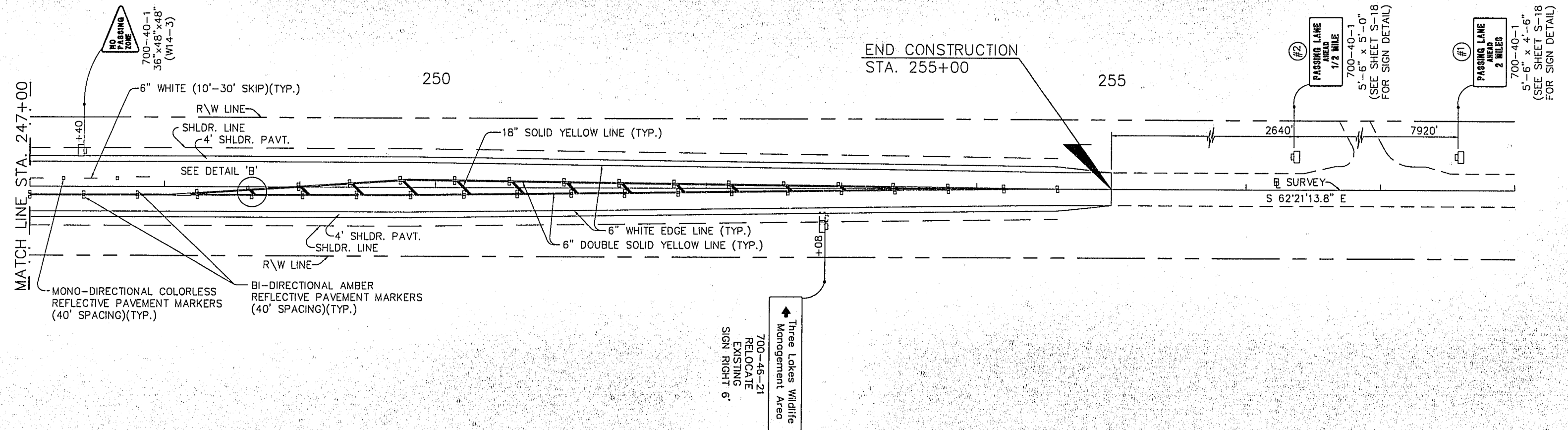
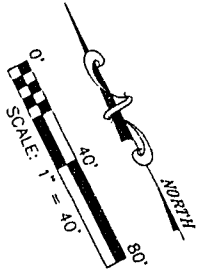
**SIGNING & PAVEMENT MARKINGS**  
STATE ROAD No. 60





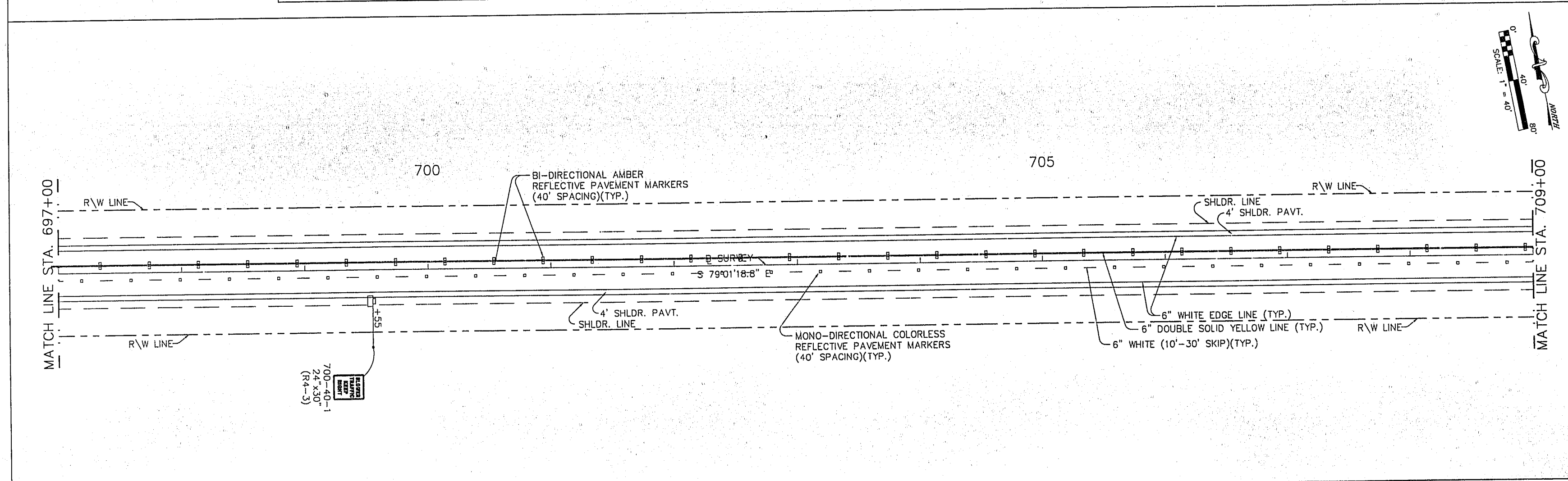
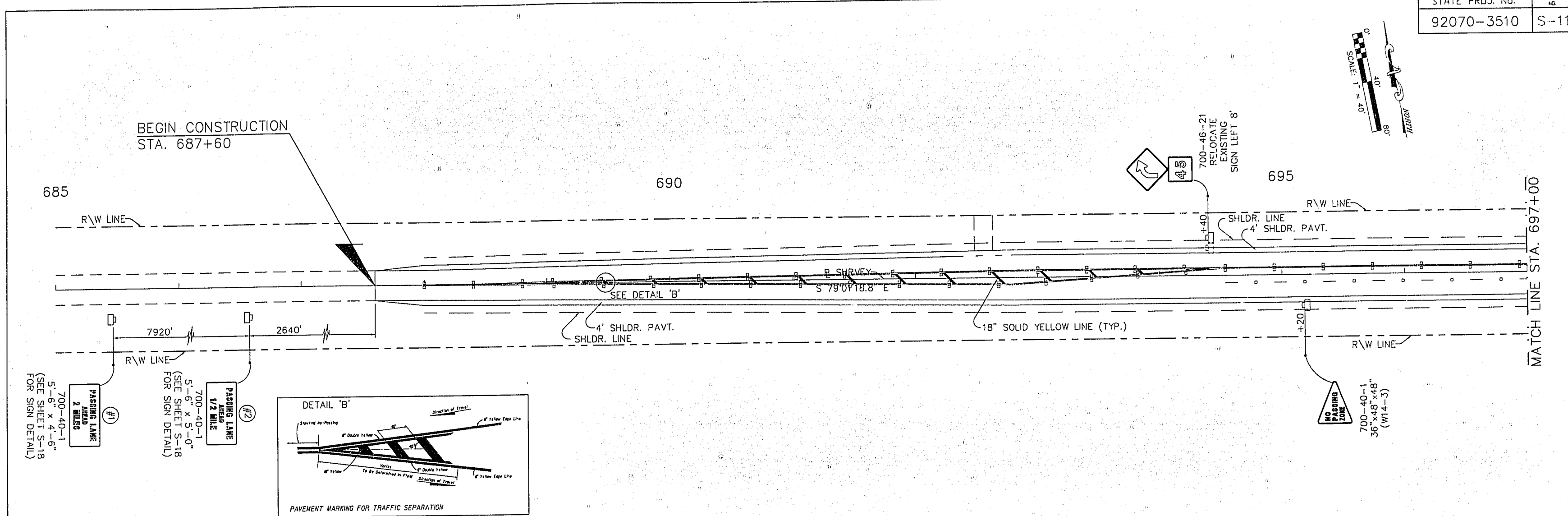
DATE				BY				DESCRIPTION				DATE				BY				DESCRIPTION				DESIGNED BY B.L.F.		DATE 7-9-93		DRAWN BY B.L.F.		DATE 10-28-94		CHECKED BY L.E.D.		DATE 7-9-93		CHECKED BY L.E.D.		DATE 10-28-94		SUPERVISED BY DAVID J. DUNLAP		APPROVED BY <i>[Signature]</i>		DATE 1-9-95		BRW INC. 100 SOUTH ORANGE AVENUE, ORLANDO, FL 32801		PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN		SIGNING & PAVEMENT MARKINGS STATE ROAD No. 60	
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE	FLORIDA DEPARTMENT OF TRANSPORTATION	BRW	PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN	SIGNING & PAVEMENT MARKINGS
									B.L.F.		7-9-93	B.L.F.		10-28-94	APPROVED BY			STATE ROAD No. 60
									L.E.D.		7-9-93	L.E.D.		10-28-94				
									SUPERVISED BY DAVID J. DUNLAP									





DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DESIGNED BY	B.L.F.	DATE	7-9-93	DRAWN BY	B.L.F.	DATE	10-28-94
CHECKED BY	L.E.D.	DATE	7-9-93	CHECKED BY	L.E.D.	DATE	10-28-94
SUPERVISED BY DAVID J. DUNLAP							

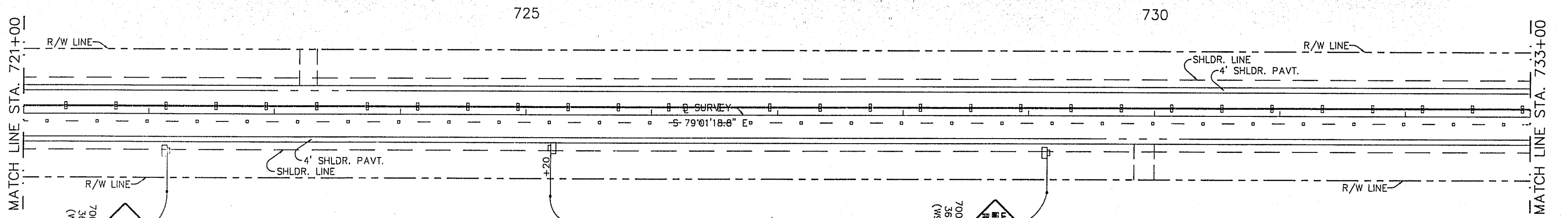
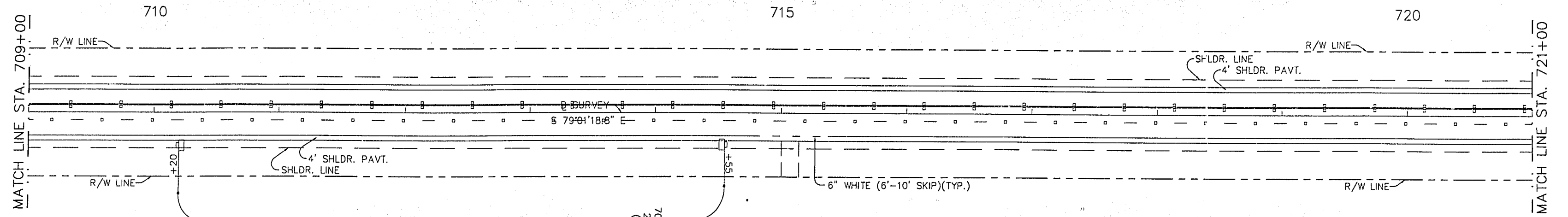
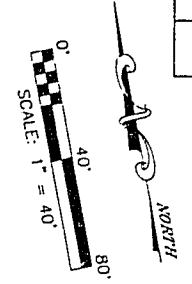
  

FLORIDA DEPARTMENT OF TRANSPORTATION			PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN
APPROVED BY  DATE 1-9-95			

SIGNING & PAVEMENT MARKINGS	
STATE ROAD No. 80	





DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	NAME	DATE	CHECKED BY	NAME	DATE
	B.L.F.	7-6-93		B.L.F.	10-28-94
	L.E.D.	7-6-93		L.E.D.	10-28-94

SUPERVISED BY DAVID J. DUNLAP

APPROVED BY *[Signature]* DATE 1-9-95

FLORIDA DEPARTMENT OF TRANSPORTATION

**B R W**

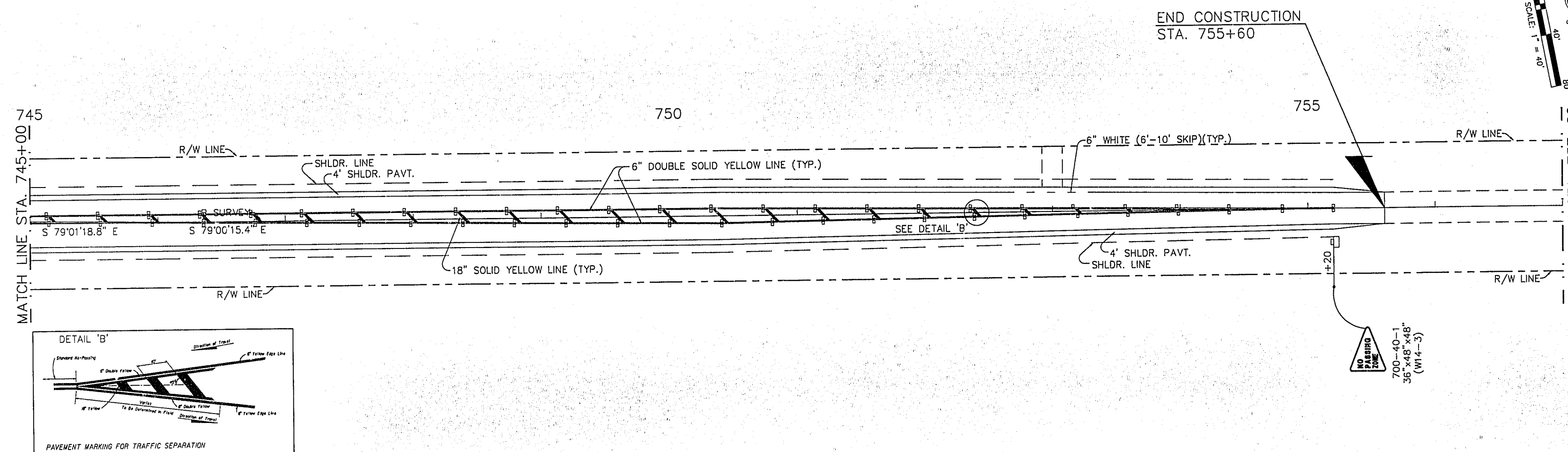
PLANNING  
TRANSPORTATION  
ENGINEERING  
URBAN DESIGN

BRW INC. 100 SOUTH ORANGE AVENUE, ORLANDO, FL 32801

**SIGNING & PAVEMENT MARKINGS**

STATE ROAD No. 60





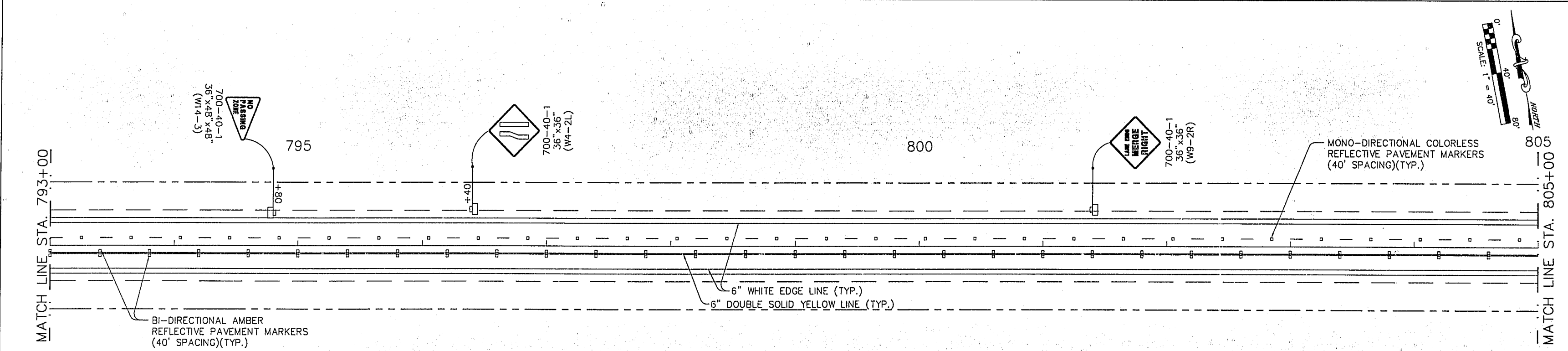
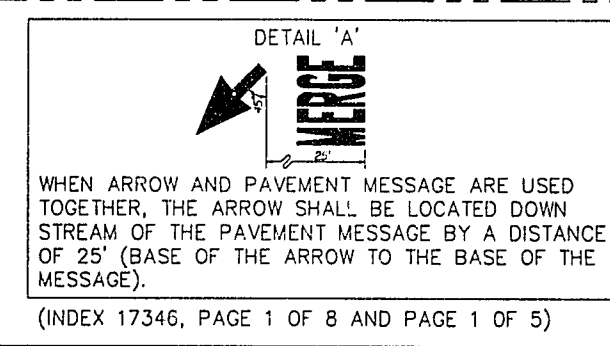
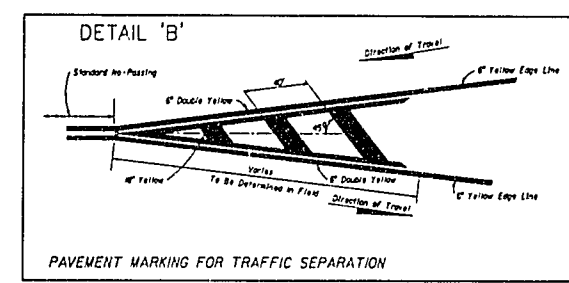
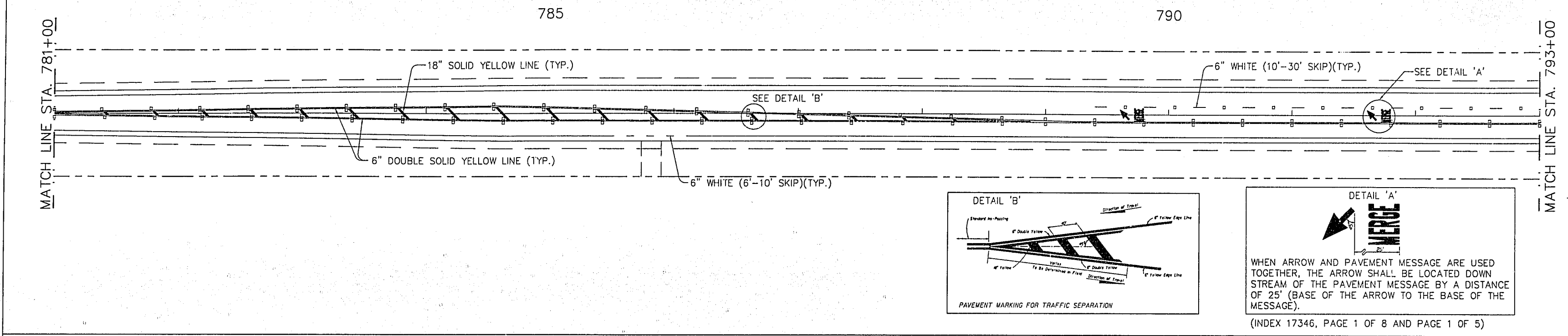
## SIGNING & PAVEMENT MARKINGS







### STATE ROAD No. 60









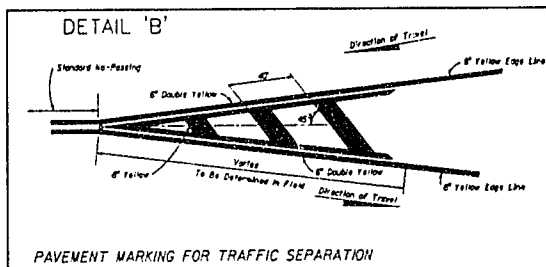
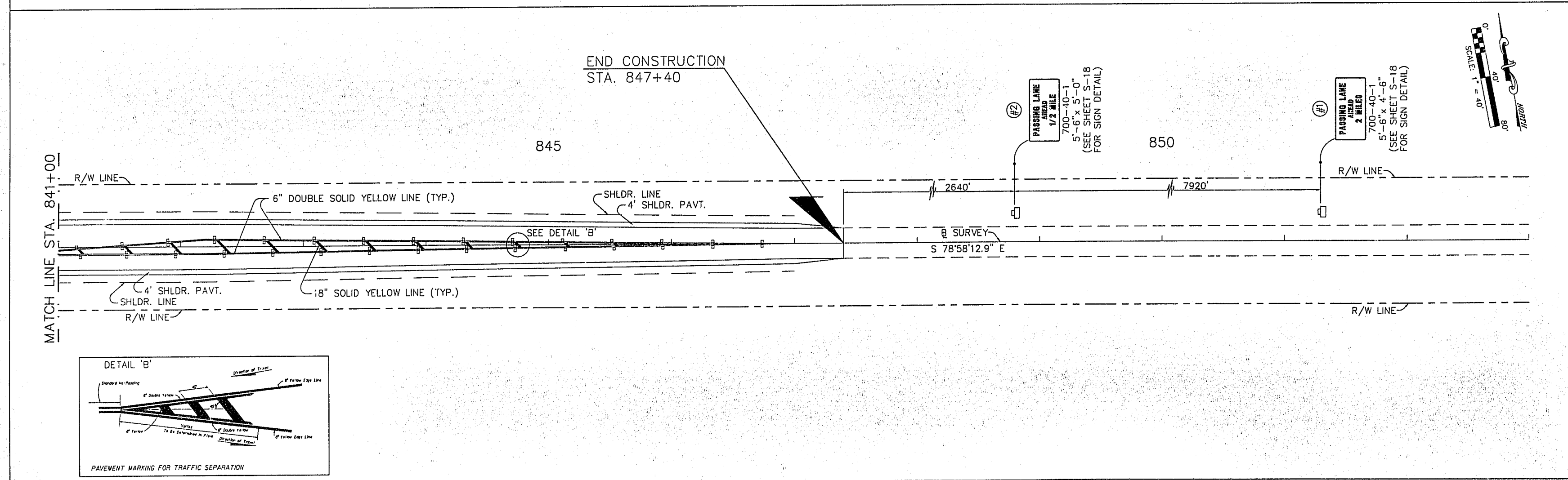
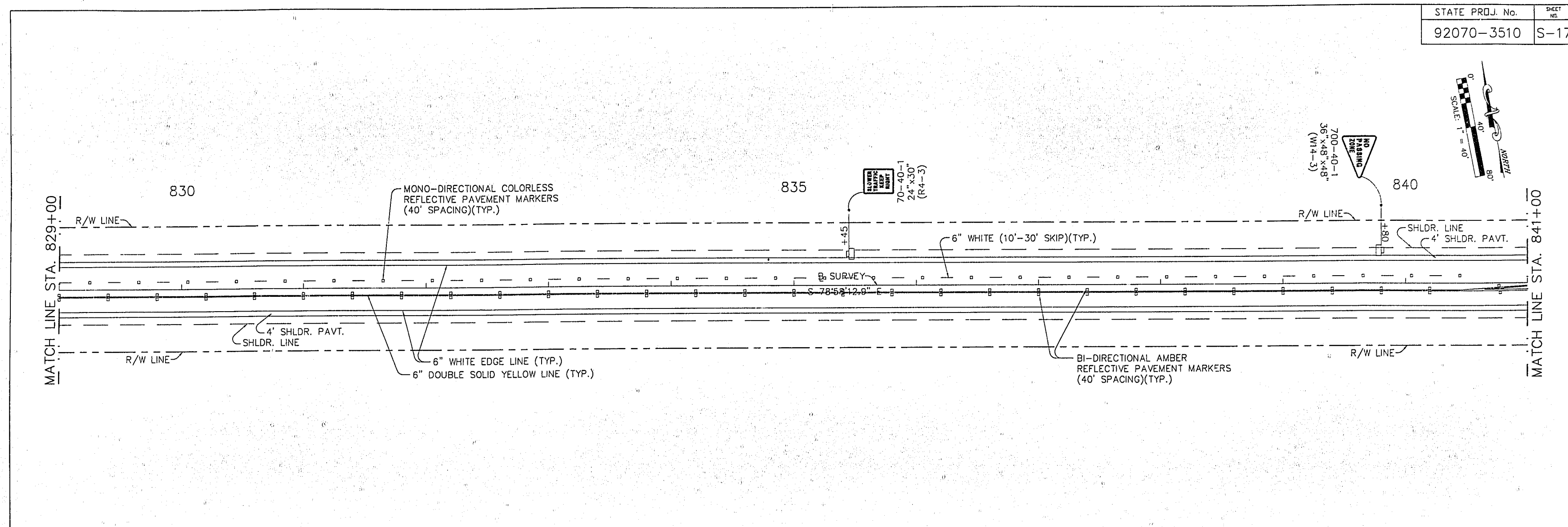
..									NAME		DATE		NAME		DATE		FLORIDA DEPARTMENT OF TRANSPORTATION			PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN	SIGNING & PAVEMENT MARKINGS
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY	B.L.F.	7-9-93	DRAWN BY	B.L.F.	10-28-94	APPROVED BY	DATE	1-9-95				
									CHECKED BY <td>L.E.D.<td>7-9-93</td><td>CHECKED BY<td>L.E.D.<td>10-28-94</td><td></td><td></td><td></td></td></td></td>	L.E.D. <td>7-9-93</td> <td>CHECKED BY<td>L.E.D.<td>10-28-94</td><td></td><td></td><td></td></td></td>	7-9-93	CHECKED BY <td>L.E.D.<td>10-28-94</td><td></td><td></td><td></td></td>	L.E.D. <td>10-28-94</td> <td></td> <td></td> <td></td>	10-28-94							
									SUPERVISED BY DAVID J. DUNLAP												

STATE ROAD No. 60																	
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
B.L.F.		7-9-93	B.L.F.		10-28-94
CHECKED BY	L.E.D.	7-9-93	CHECKED BY	L.E.D.	10-28-94

SUPERVISED BY DAVID J. DUNLAP

FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED BY *[Signature]* DATE 1-9-95

**BRW** PLANNING TRANSPORTATION ENGINEERING URBAN DESIGN

100 SOUTH ORANGE AVENUE, ORLANDO, FL 32801

**SIGNING & PAVEMENT MARKINGS**

STATE ROAD No. 60



