

# ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT

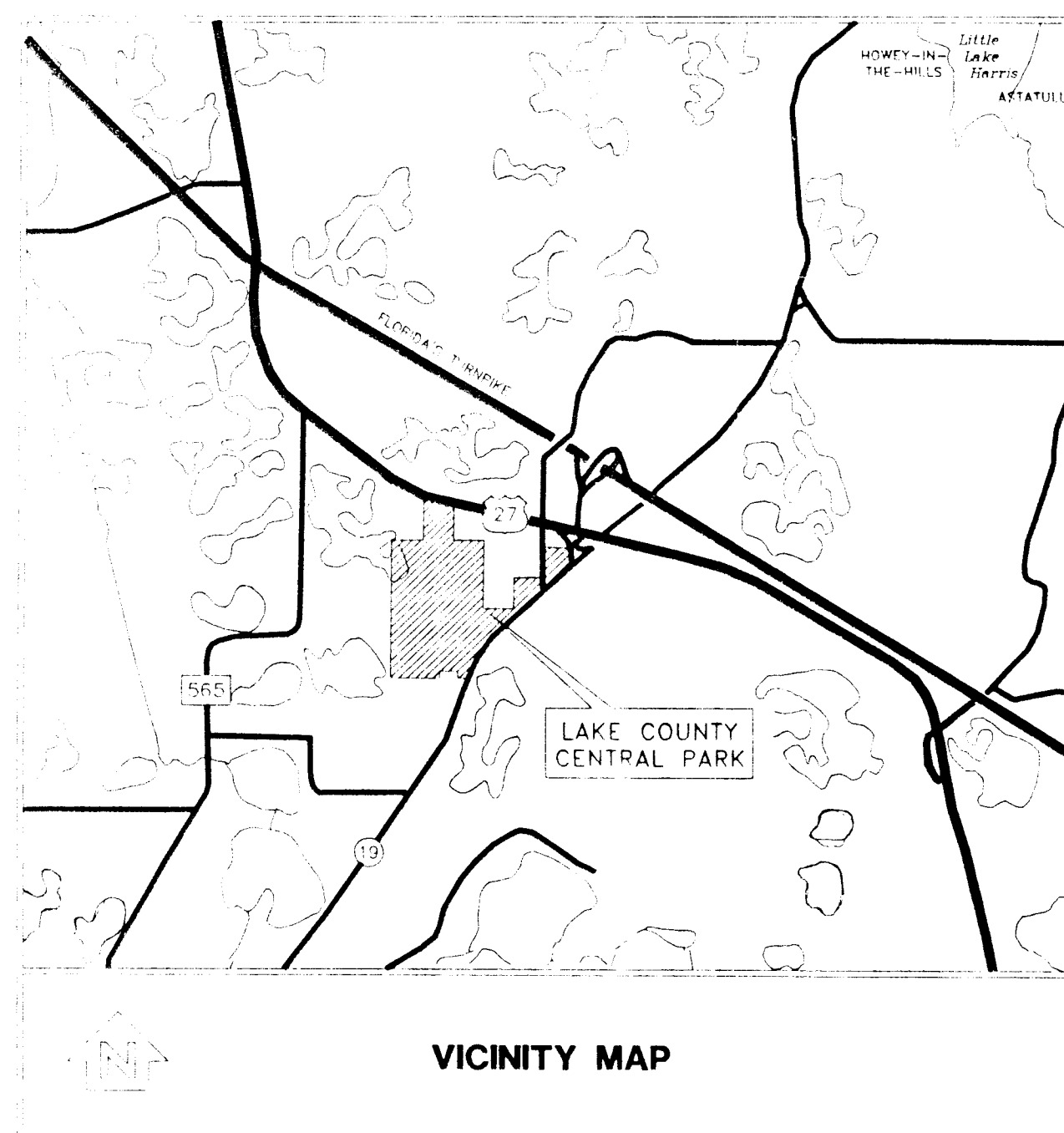
## PERMIT PLANS

### FOR

# LAKE COUNTY CENTRAL PARK

## PHASE 1

# LAKE COUNTY, FLORIDA



### INDEX of SHEETS

1. COVER SHEET
2. PRE-DEVELOPED DRAINAGE MAP & POST-DEVELOPED DRAINAGE MAP
- 3.-5. MASTER PLAN
- 6.-19. PLAN-PROFILE
20. PAVING & DRAINAGE DETAILS

#### PREPARED BY:

**FARNER, BARLEY & ASSOCIATES, INC.**  
**350 N. SINCLAIR AVENUE**  
**TAVARES, FLORIDA 32778**  
**TEL. (904) 343-8481**

#### OWNER/DEVELOPER:

**LAKE COUNTY BOARD**  
**OF COUNTY COMMISSIONERS**  
**123 N. SINCLAIR AVENUE**  
**TAVARES, FLORIDA 32778**  
**(904) 343-9655**

#### LEGAL DESCRIPTION

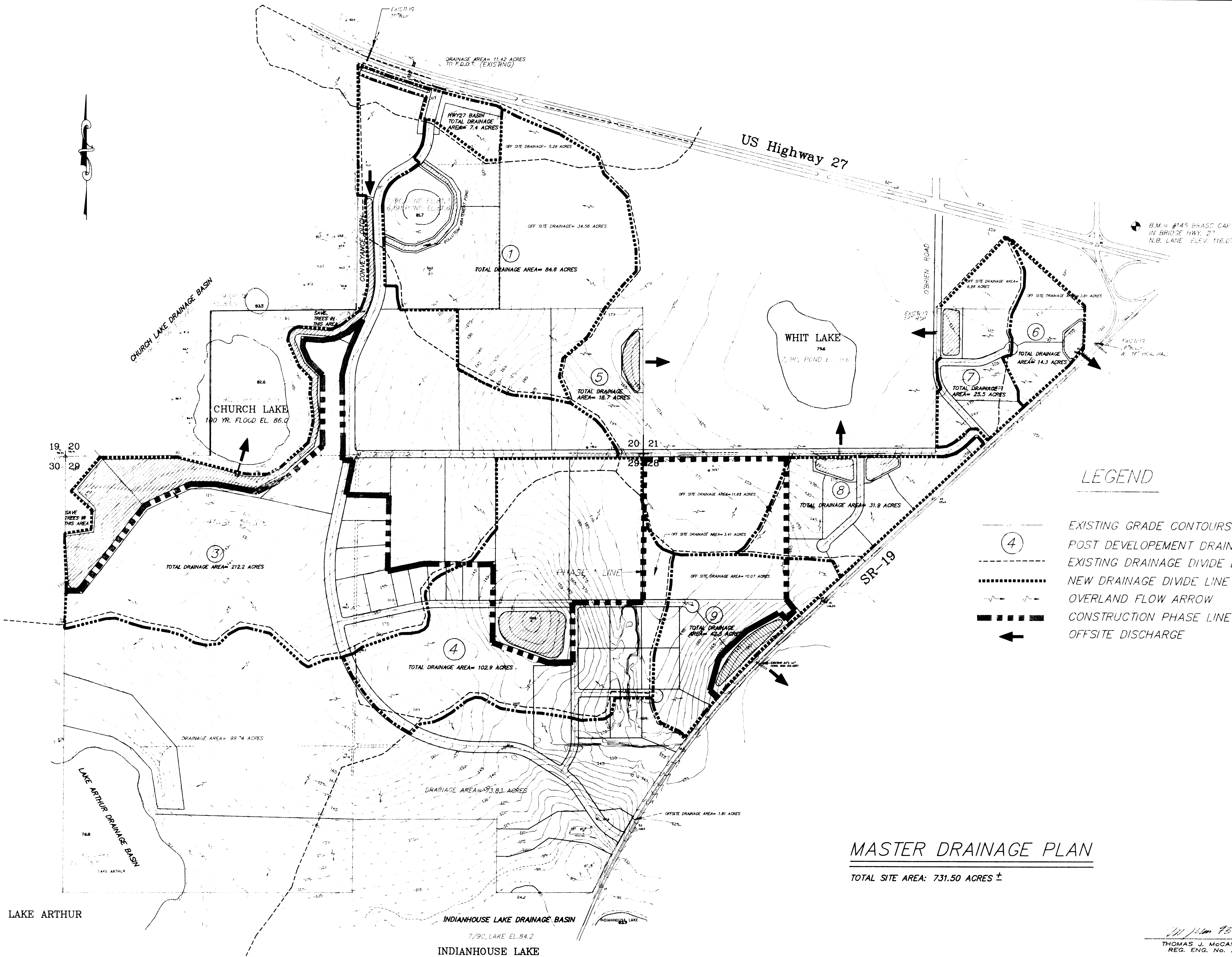
(OR Book 993, Page 594)  
 The SW 1/4 of the NE 1/4 of Section 20, Township 21 South, Range 25 East, lying South of U.S. Highway No. 27, Lake County, Florida.

(OR Book 900, Page 1223)  
 The SW 1/4 of the SE 1/4 lying North of State Road 19 in Section 21, Township 21 South, Range 25 East; and the W 1/2 of the NE 1/4 lying North of State Road 19 in Section 28, Township 21 South, Range 25 East; Also the SE 1/4 of the SW 1/4; the W 1/2 of the SE 1/4; and the SE 1/4 of the SE 1/4 of Section 20, Township 21 South, Range 25 East; Also the N 1/2 of the NW 1/4 of the SE 1/4 of Section 29, Township 21 South, Range 25 East. All in Lake County, Florida.

(OR Book 900, Page 1221)  
 The North 3/4 of the W 1/2 of Section 29, Township 21 South, Range 25 East. Also the NE 1/4 of the NW 1/4 lying North of State Road 19 and the S 1/2 of the NW 1/4 lying North of State Road 19 in Section 28, Township 21 South, Range 25 East. Also the NE 1/4 of Section 29, Township 21 South, Range 25 East. All in Lake County, Florida.

(OR Book 631, Page 603)  
 That part of the North 643 feet of the NW 1/4 of the SW 1/4, Section 28, Township 21 South, Range 25 East, lying West of right-of-way of Highway. Also, that part of the NE 1/4 of the SE 1/4, Section 29, Township 21 South, Range 25 East, lying West of the right-of-way of Highway.

DRAWN	T.W.L.	<p><b>FARNER BARLEY AND ASSOCIATES, INC.</b>          350 North Sinclair Avenue - Tavares, Florida 32778 (904) 343-8481</p>
CHECKED	R.E.T.	
SCALE	4" = 1'	
DATE	AUGUST, 1991	
JOB NO.	901243	



**MASTER DRAINAGE PLAN**

TOTAL SITE AREA: 731.50 ACRES ±

LAKE ARTHUR

INDIANHOUSE LAKE DRAINAGE BASIN  
7/90, LAKE EL. 84.2  
INDIANHOUSE LAKE

THOMAS J. McCANN, P.E.  
REG. ENG. NO. 25348

OWNER/DEVELOPER:  
LAKE COUNTY  
BOARD OF COUNTY COMMISSIONERS  
125 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
(904) 343-9855

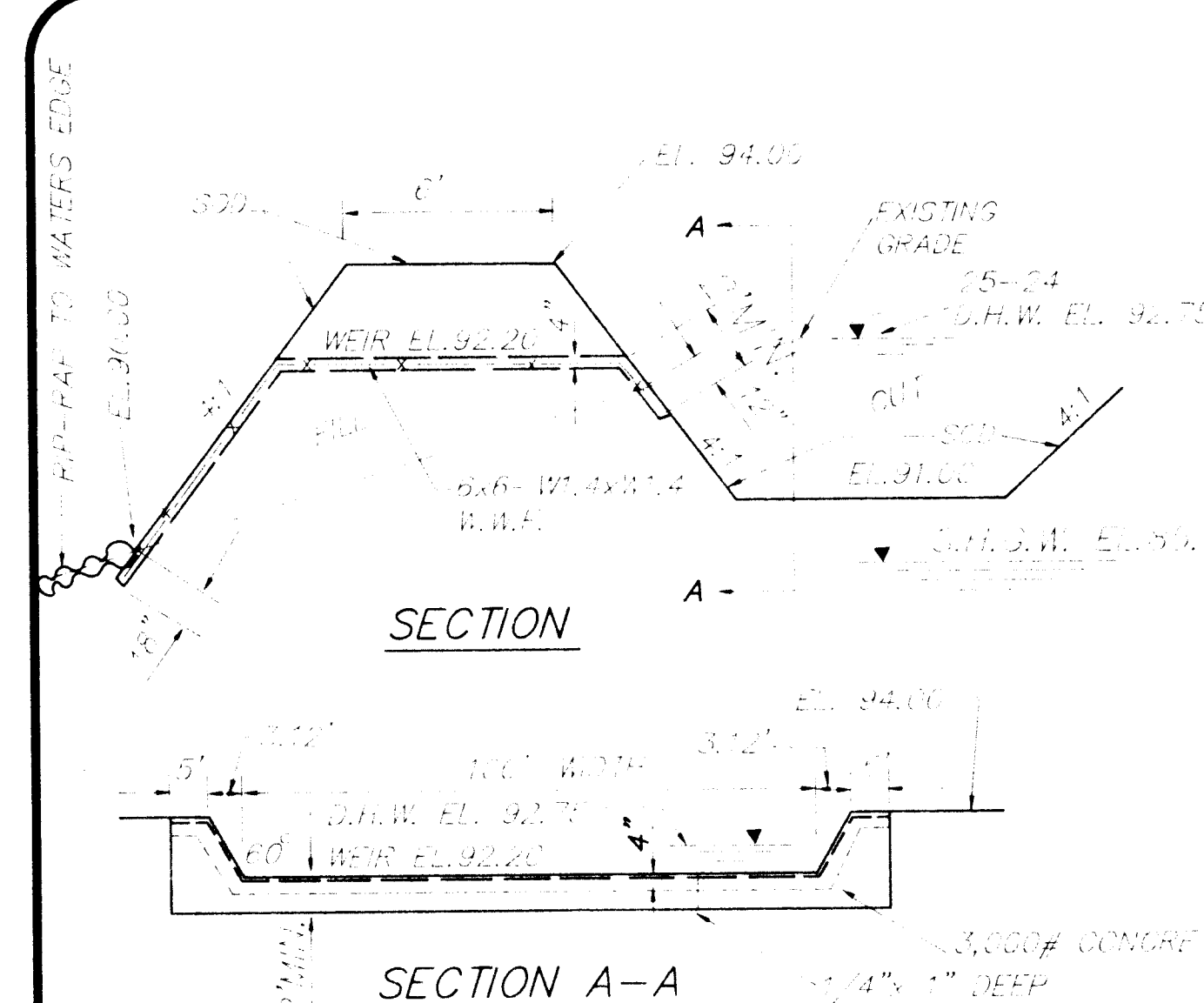
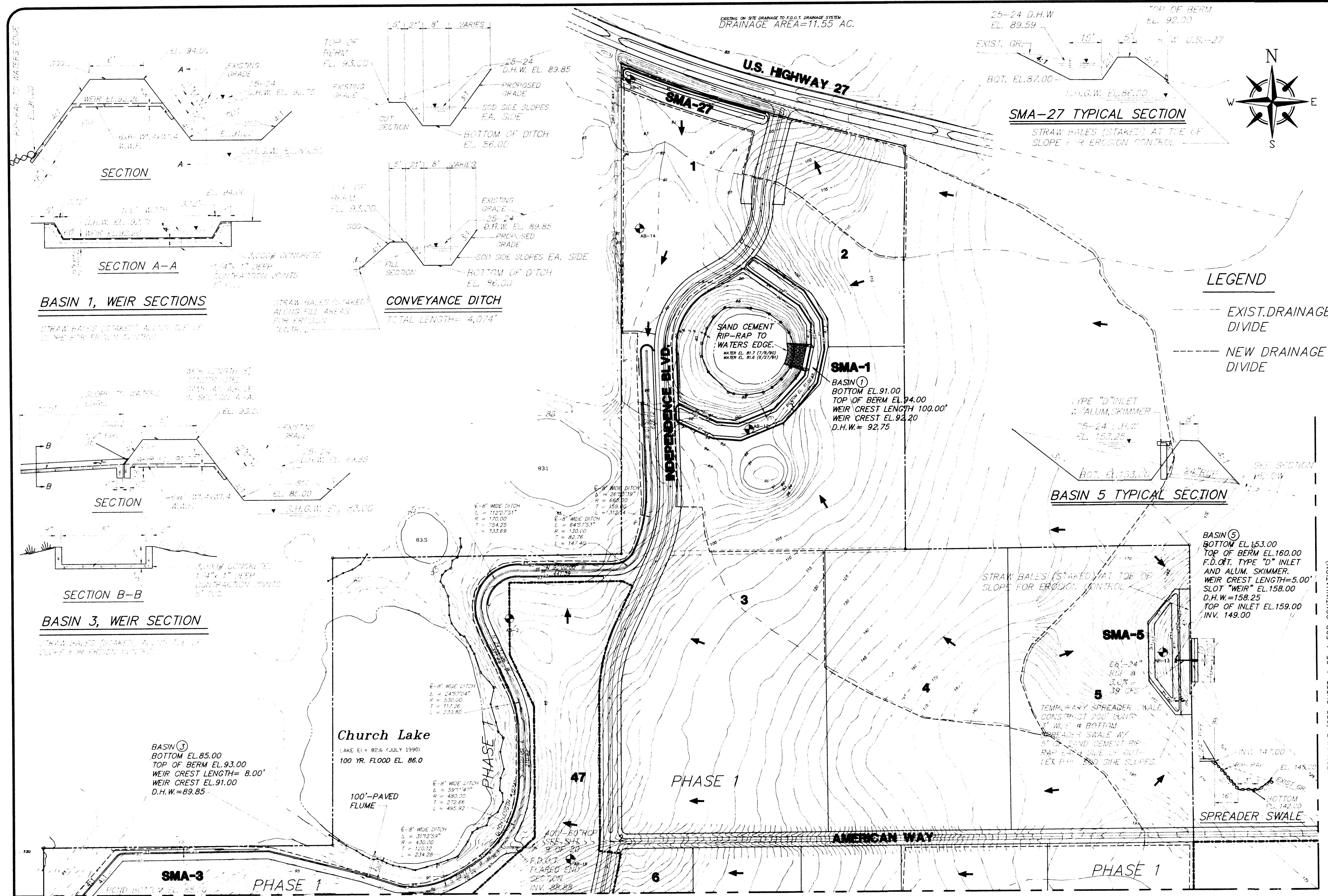
LAKE COUNTY CENTRAL PARK  
STORM WATER MANAGEMENT PLAN  
SECTIONS 20, 21, 28 & 29, TOWNSHIP 21 SOUTH, RANGE 25 EAST,  
LAKE COUNTY, FLORIDA

ENGINEERS  
SURVEYORS  
PLANNERS



BRANK	G.R.P.	5
CHECKED	T.J.M.	4
SCALE	1"=400'	3
DATE	9/12/91	2
PROJ. NO.	901243	1

90124304  
2  
20

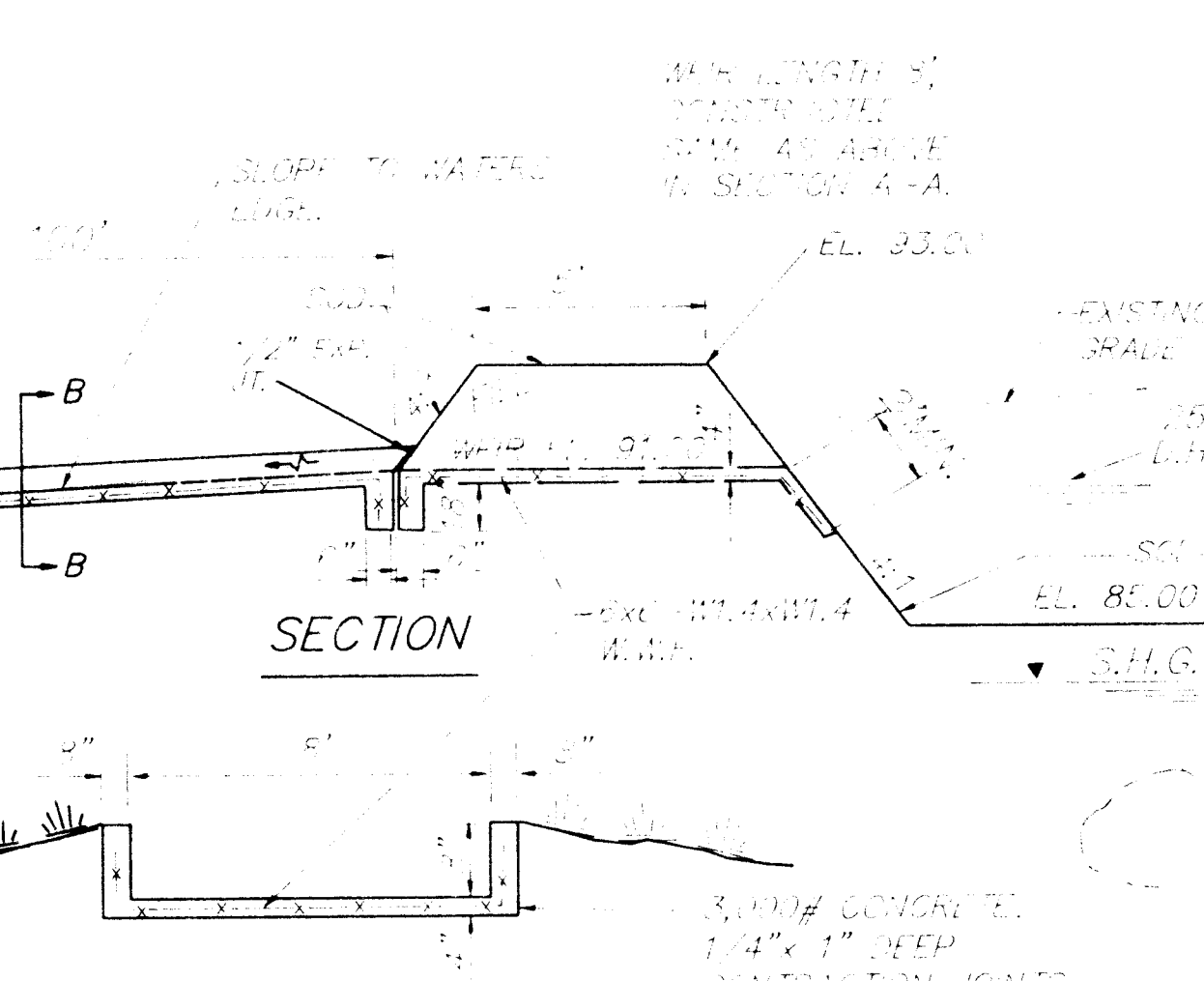


**BASIN 1, WEIR SECTIONS**

STRAW BALES (STAKED) ALONG TOP OF SLOPE FOR EROSION CONTROL

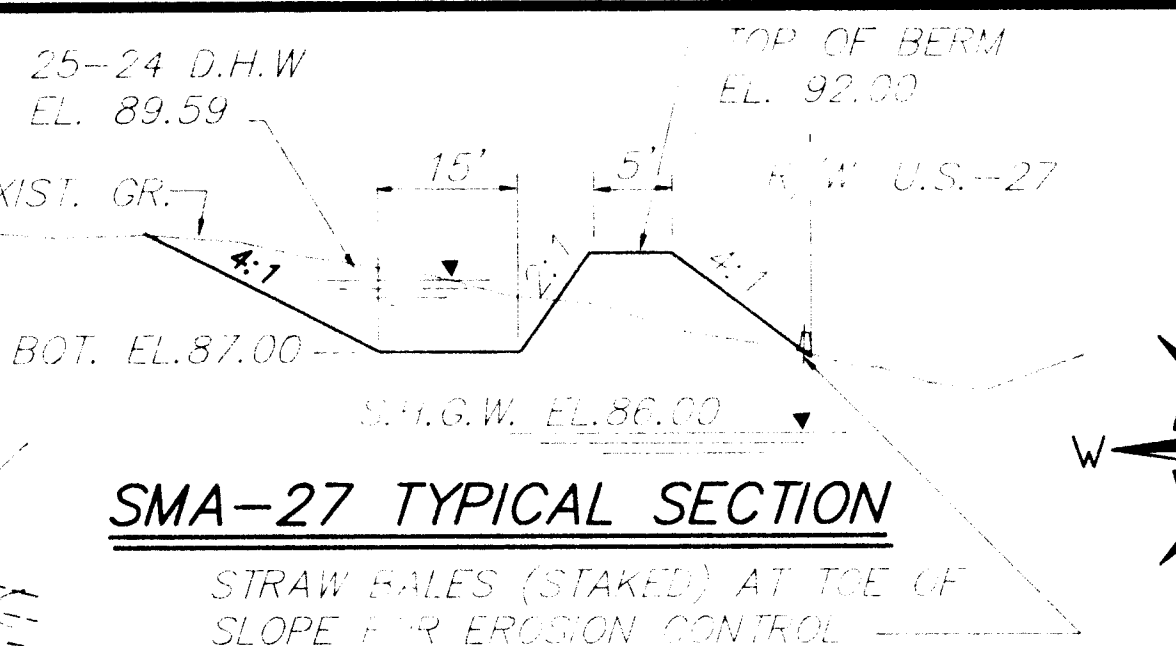
**CONVEYANCE DITCH**

TOTAL LENGTH= 4,074'



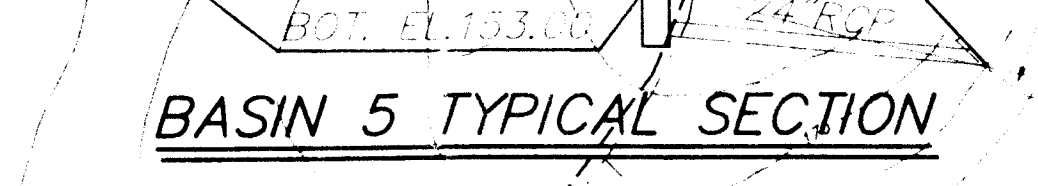
**BASIN 3, WEIR SECTION**

STRAW BALES (STAKED) ALONG TOP OF SLOPE FOR EROSION CONTROL



**SMA-27 TYPICAL SECTION**

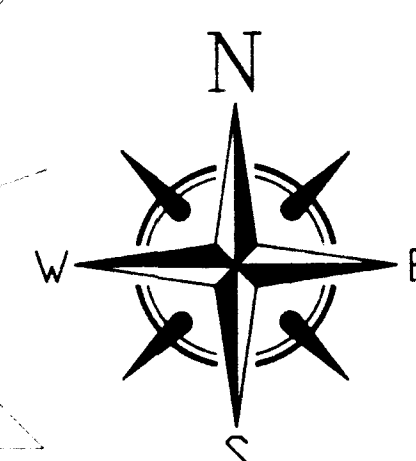
STRAW BALES (STAKED) AT TOP OF SLOPE FOR EROSION CONTROL



**BASIN 5 TYPICAL SECTION**

**LEGEND**

- EXIST. DRAINAGE DIVIDE
- NEW DRAINAGE DIVIDE



**BASIN 3**  
 BOTTOM EL. 85.00  
 TOP OF BERM EL. 93.00  
 WEIR CREST LENGTH= 8.00'  
 WEIR CREST EL. 91.00  
 D.H.W.= 89.85

**Church Lake**  
 LAKE EL.= 82.6 (JULY 1990)  
 100 YR. FLOOD EL. 86.0

**SMA-1**  
 BASIN 1  
 BOTTOM EL. 91.00  
 TOP OF BERM EL. 94.00  
 WEIR CREST LENGTH= 100.00'  
 WEIR CREST EL. 92.20  
 D.H.W.= 92.75

**BASIN 5**  
 BOTTOM EL. 153.00  
 TOP OF BERM EL. 160.00  
 F.D.C.T. TYPE "D" INLET  
 AND ALUM. SKIMMER  
 WEIR CREST LENGTH= 5.00'  
 SLOT "WEIR" EL. 158.00  
 D.H.W.= 158.25  
 TOP OF INLET EL. 159.00  
 INV. 149.00

MATCH LINE (SEE SHEET 3 OF 4 FOR CONTINUATION)

MATCH LINE (SEE SHEET 4 OF 4 FOR CONTINUATION)

PREPARED FOR: LAKE COUNTY COMMISSIONERS  
 BOARD OF COUNTY COMMISSIONERS  
 123 N. SINCLAIR AVENUE  
 TAVARES, FLORIDA 32778  
 (904) 343-9655

LAKE COUNTY CENTRAL PARK  
 STORM WATER MANAGEMENT PLAN  
 SECTIONS 20, 21, 28 & 29, TOWNSHIP 21 SOUTH, RANGE 25 EAST,  
 LAKE COUNTY, FLORIDA

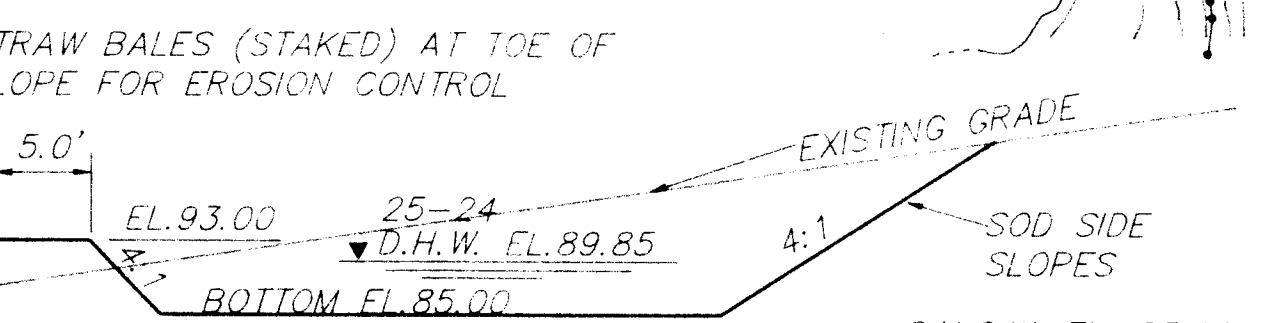
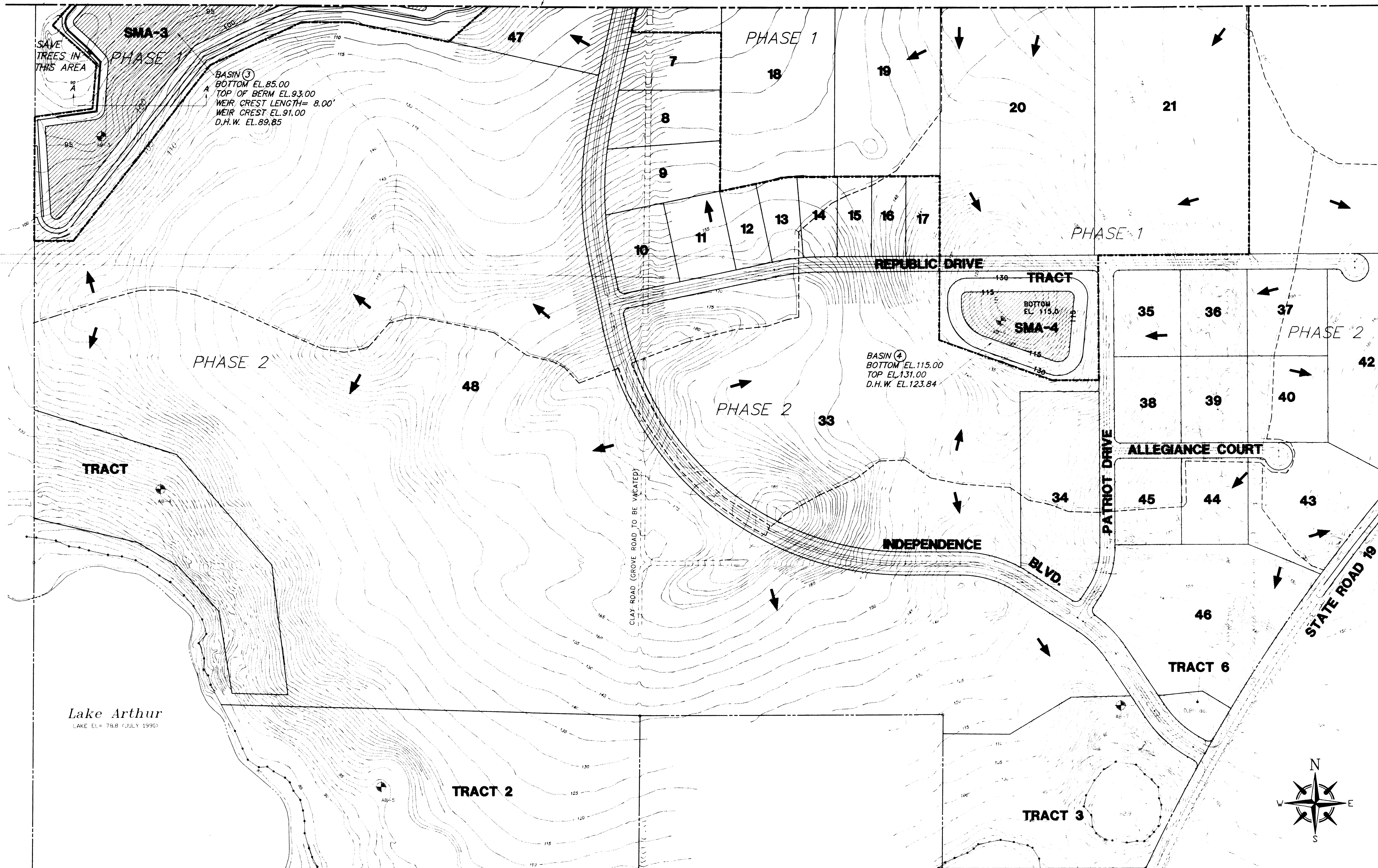
ENGINEERS SURVEYORS PLANNERS  
**FARBER BARLEY AND ASSOCIATES, INC.**  
 350 North Sinclair Avenue • Tavares, Florida 32778 • (904) 343-8481

NO.	DATE	REVISIONS
1		
2		
3		
4		
5		

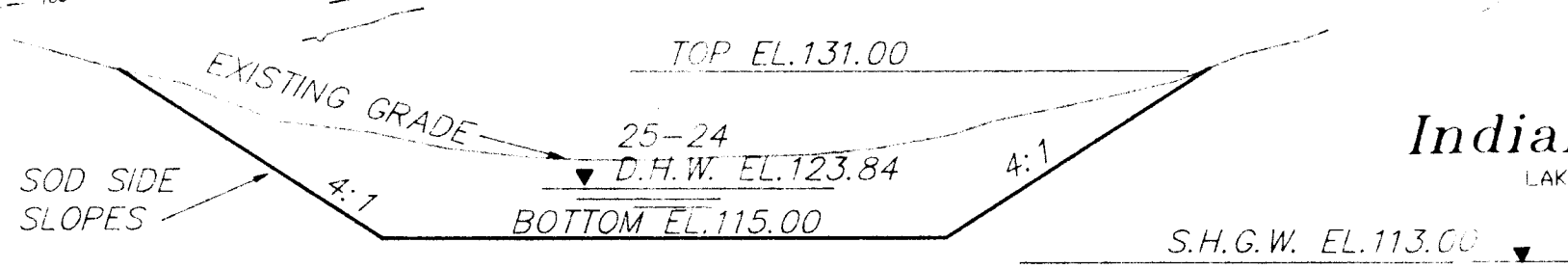
90124310  
 3/20

THOMAS J. McCANN, P.E.  
 REG. ENG. No. 25348

MATCH LINE (SEE SHEET 2 OF 4 FOR CONTINUATION)



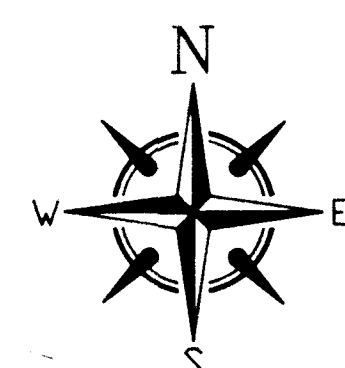
BASIN 3 TYPICAL SECTION A-A



BASIN 4 TYPICAL SECTION

Lake Arthur  
LAKE EL= 79.8 (JULY 1990)

Indianhouse Lake  
LAKE EL= 84.2 (JULY 1990)



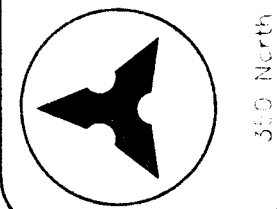
MATCH LINE (SEE SHEET 4 OF 4 FOR CONTINUATION)

WATER RESOURCES  
LAKE COUNTY  
BOARD OF COUNTY COMMISSIONERS  
123 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
(904) 343-9655

LAKE COUNTY CENTRAL PARK  
STORM WATER MANAGEMENT PLAN  
SECTIONS 20, 21, 28 & 29, TOWNSHIP 21 SOUTH, RANGE 25 EAST,  
LAKE COUNTY, FLORIDA

ENGINEERS  
SURVEYORS  
PLANNERS

**FARNEY  
BARBLEY**  
AND ASSOCIATES, INC.



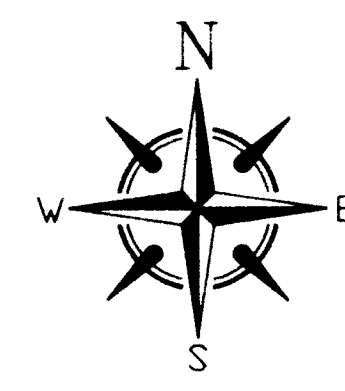
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CHECKED	T.J.M.
DRAWN	G.S.P.
PROJECT	9012431
FILE NO.	9012431-20

9012431  
4  
20

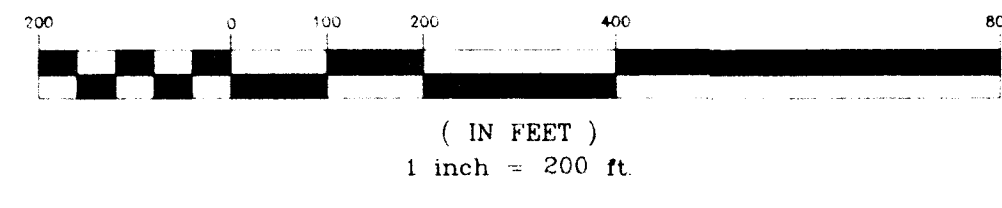
THOMAS J. McOANN, P.E.  
REG. ENG. NO. 25348

MATCH LINE (SEE SHEET 2 OF 4 FOR CONTINUATION)

MATCH LINE (SEE SHEET 3 OF 4 FOR CONTINUATION)



GRAPHIC SCALE

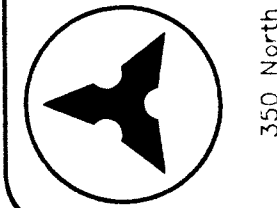


LAKE COUNTY  
BOARD OF COUNTY COMMISSIONERS  
123 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
(904) 343-9655

LAKE COUNTY CENTRAL PARK  
STORM WATER MANAGEMENT PLAN  
SECTIONS 20, 21, 28 & 29, TOWNSHIP 21 SOUTH, RANGE 25 EAST,  
LAKE COUNTY, FLORIDA

ENGINEERS  
SURVEYORS  
PLANNERS

**FARNER  
BARBLEY**  
AND ASSOCIATES, INC.



350 North Sinclair Avenue O Tavares, Florida 32778 O (904) 343-6461

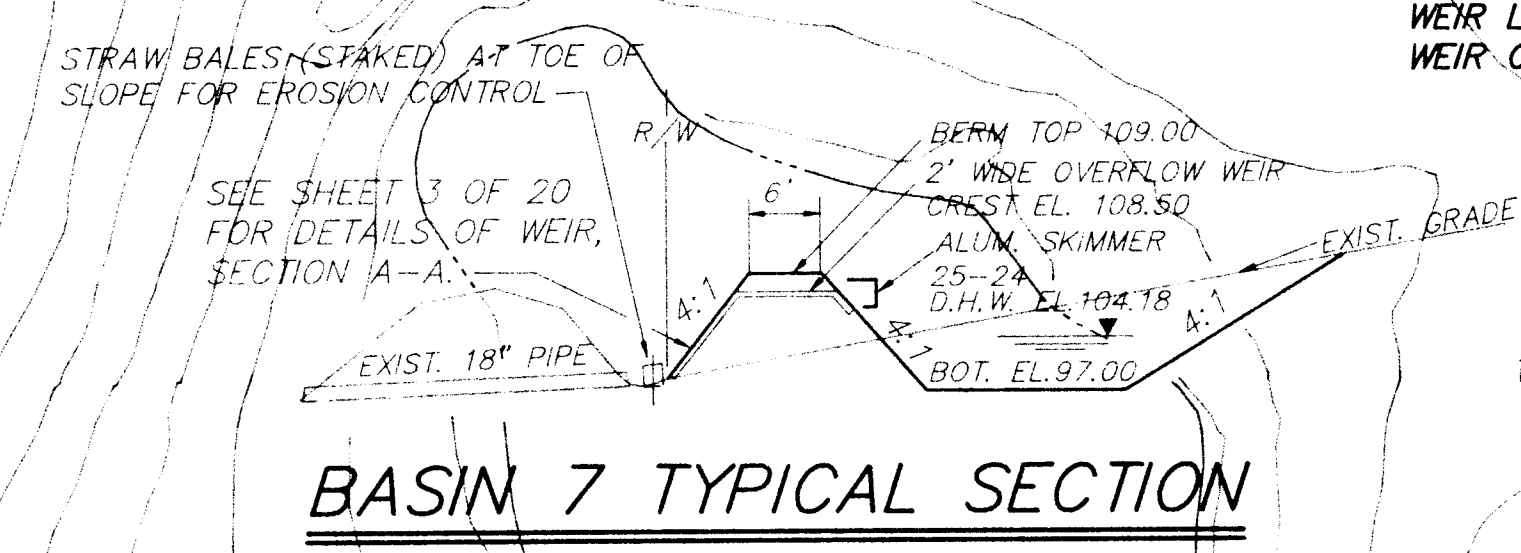
5	4	3	2	1
DRWN	G.R.P.	R.E.F.	SCALE	DATE
CHECKED	1"=200'	10/12/91		
PROJ. NO.	901243	REVISIONS:		

90124312

5  
20

**LEGEND**

- EXIST. DRAINAGE DIVIDE
- NEW DRAINAGE DIVIDE
- ← OVERLAND FLOW ARROW

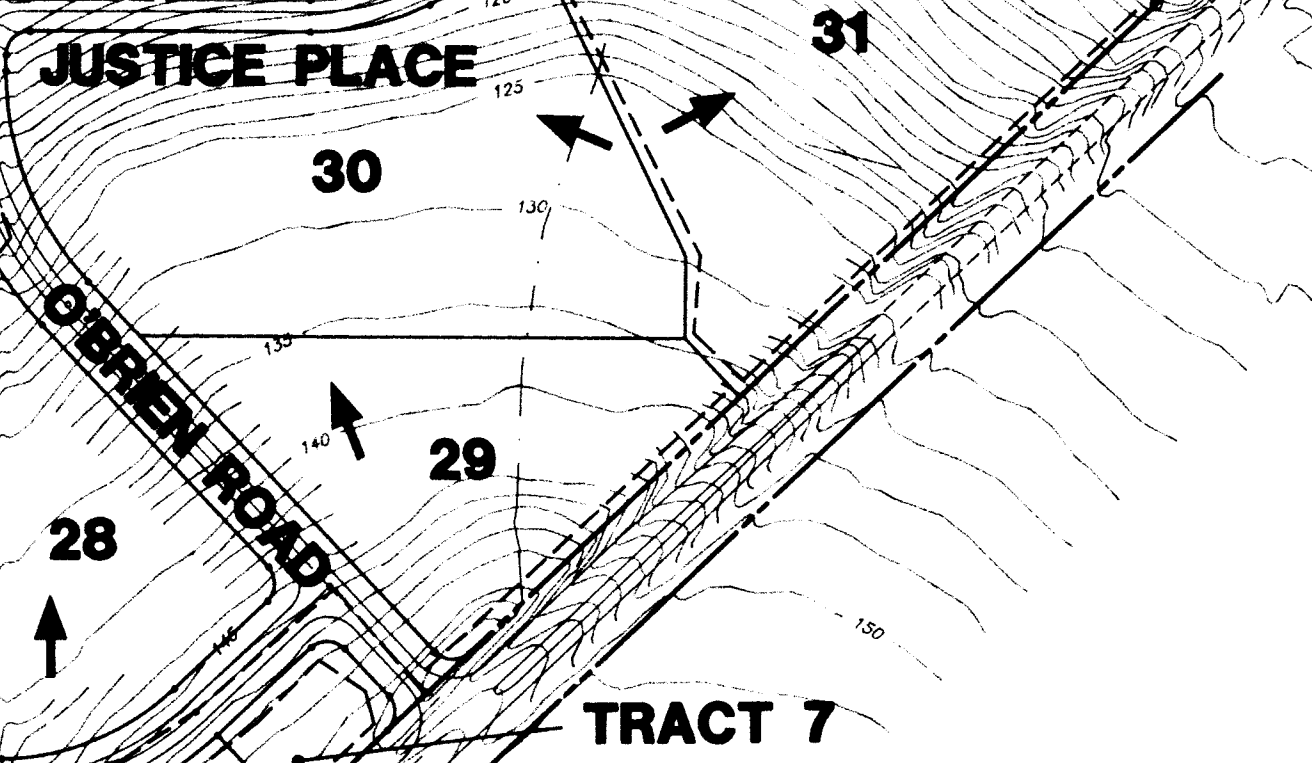


**BASIN 7 TYPICAL SECTION**

BASIN 7  
BOTTOM EL. 97.00  
TOP OF BERM EL. 109.00  
WEIR LENGTH= 2'  
WEIR CREST EL. 108.50

BASIN 8  
BOTTOM EL. 108.00  
TOP OF BERM EL. 115.00  
WEIR LENGTH= 8'  
WEIR CREST EL. 113.50

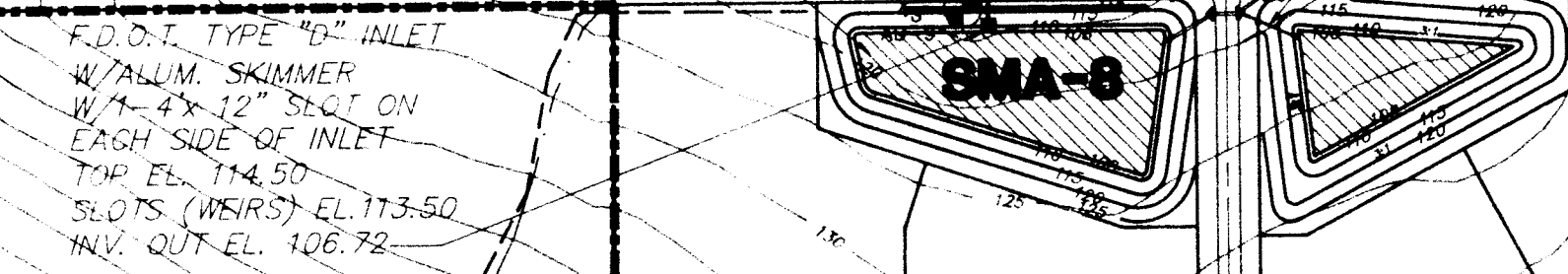
AMERICAN WAY  
42" EQUALIZER PIPE



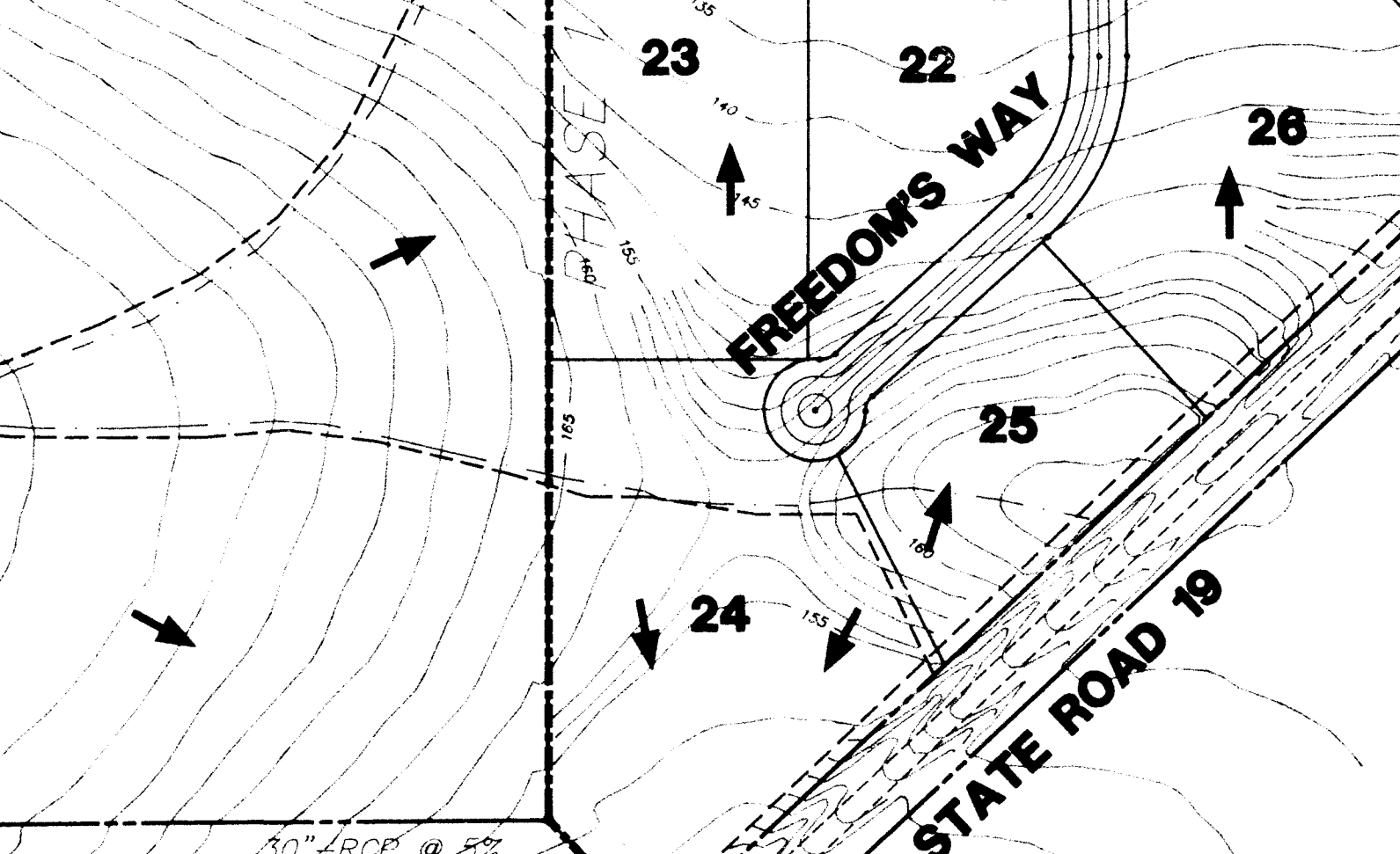
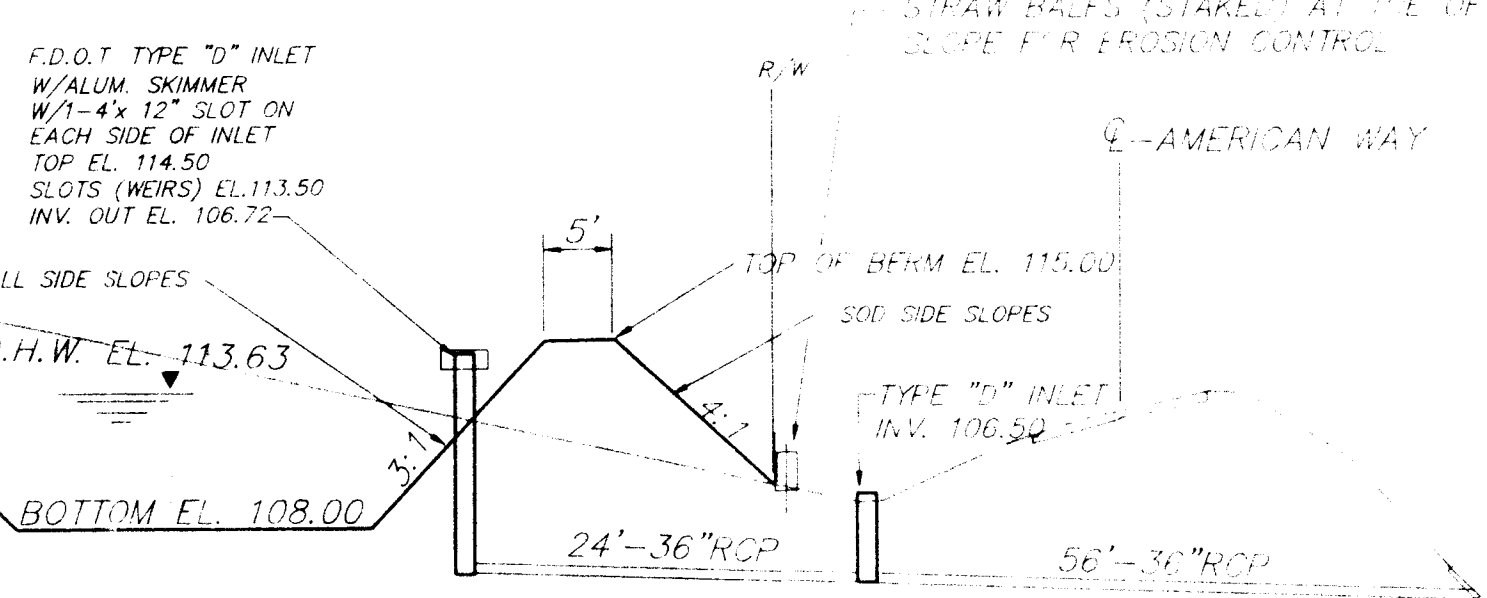
**BASIN 6 TYPICAL SECTION**

BASIN 6  
BOTTOM EL. 91.00  
TOP OF BERM EL. 103.00  
WEIR CREST LENGTH= 6.00'  
WEIR CREST EL. 101.00

SOD SIDE SLOPES AND ALL DISTURBED AREAS IN F.D.O.T. R/W.  
CONCRETE WEIR WITH ALUM. SKIMMER W/ 8" x 5" SAND CEMENT RIP-RAP AT BOTTOM OF WEIR FLUME. MATCH EXISTING DITCH GRADE.



**BASIN 8 TYPICAL SECTION**

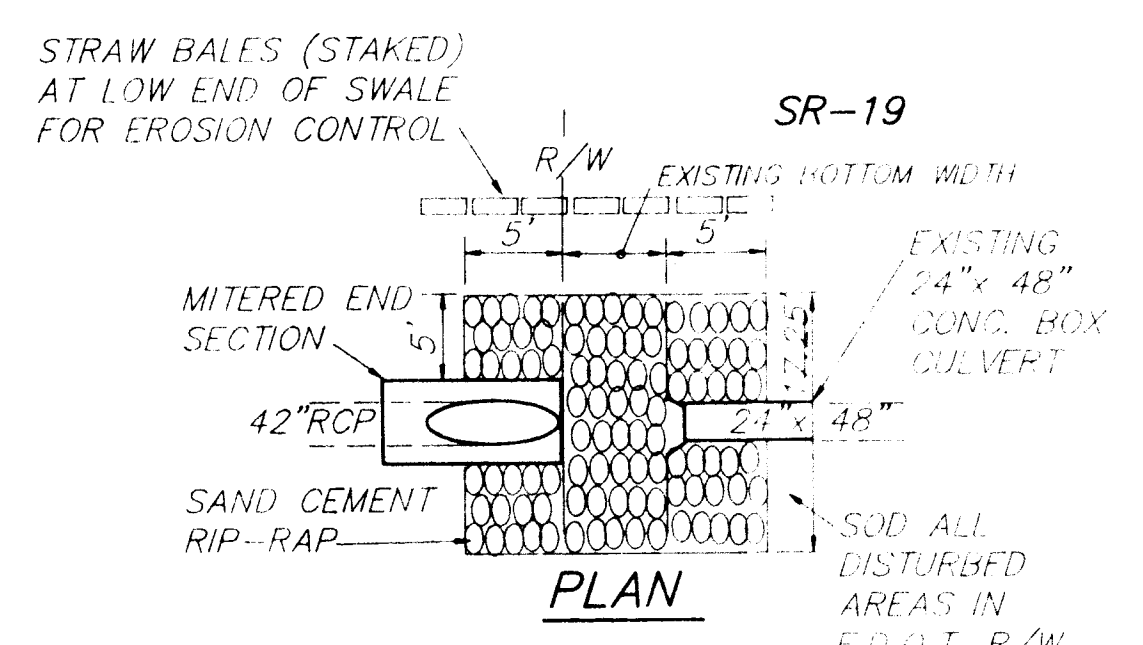
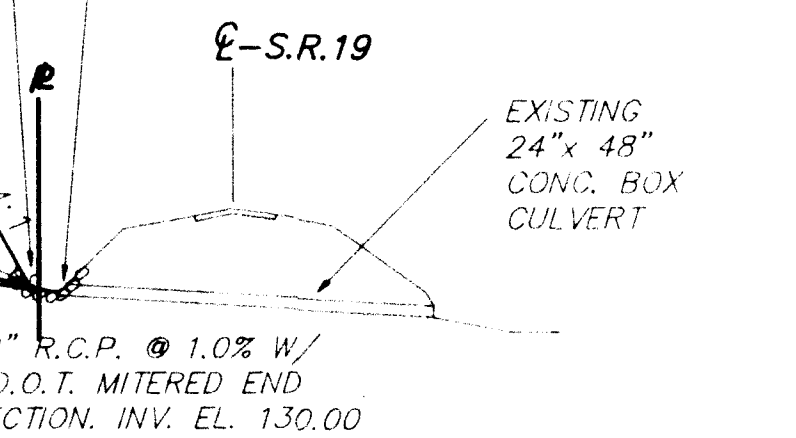


**BASIN 9 TYPICAL SECTION A-A**

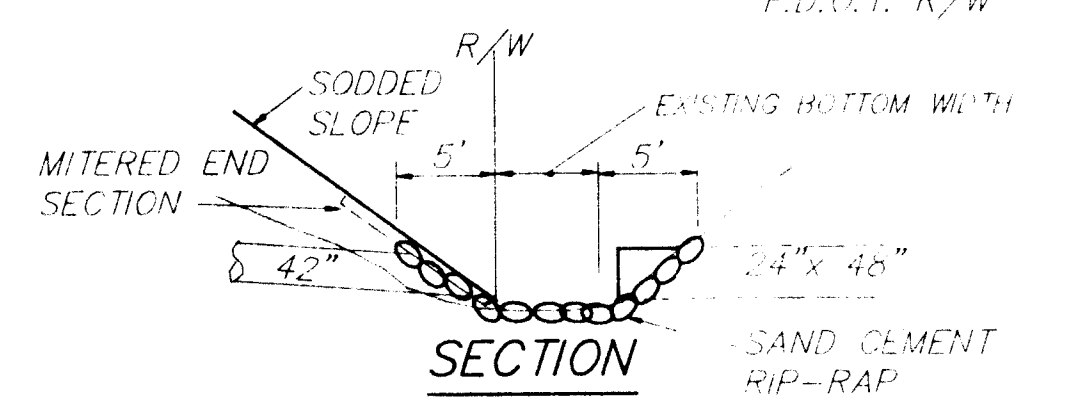
BASIN 9  
BOTTOM EL. 127.00  
TOP OF BERM EL. 140.00  
WEIR LENGTH= 13'  
WEIR CREST EL. 136.85  
25-24, D.H.W. EL. 135.47

SOD SIDE SLOPES AND ALL DISTURBED AREAS IN F.D.O.T. R/W.  
F.D.O.T. TYPE "E" INLET  
TOP EL. 137.85  
SLOTS (WEIRS) EL. 136.85  
INV. OUT EL. 130.64  
EXISTING 24" x 48" CONC. BOX CULVERT  
64' - 42" R.C.P. @ 1.0% W/ F.D.O.T. MITERED END SECTION. INV. EL. 130.00  
SAND-CEMENT RIP-RAP 5' EACH SIDE OF MITERED END SECTION AND BOX CULVERT AND ALONG DITCH BOTTOM, SEE DETAIL.

STRAW BALES (STAKED) AT TOE OF SLOPE FOR EROSION CONTROL  
SAND-CEMENT RIP-RAP 5' EACH SIDE OF MITERED END SECTION AND BOX CULVERT AND ALONG DITCH BOTTOM, SEE DETAIL.



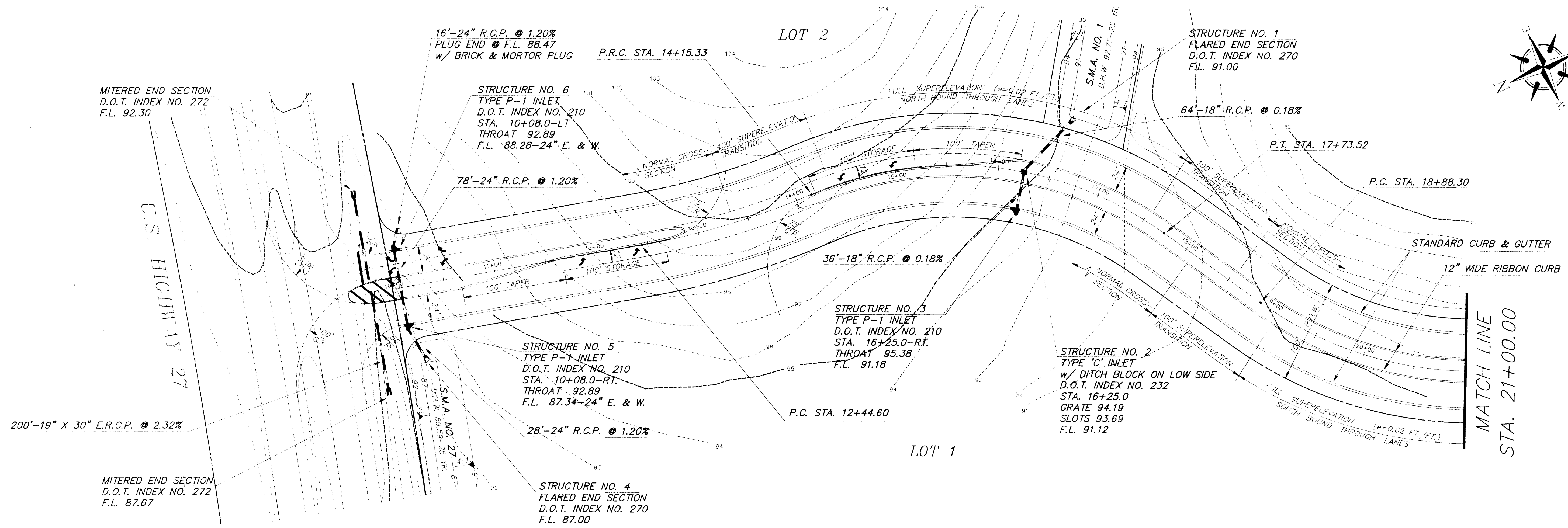
**PLAN**



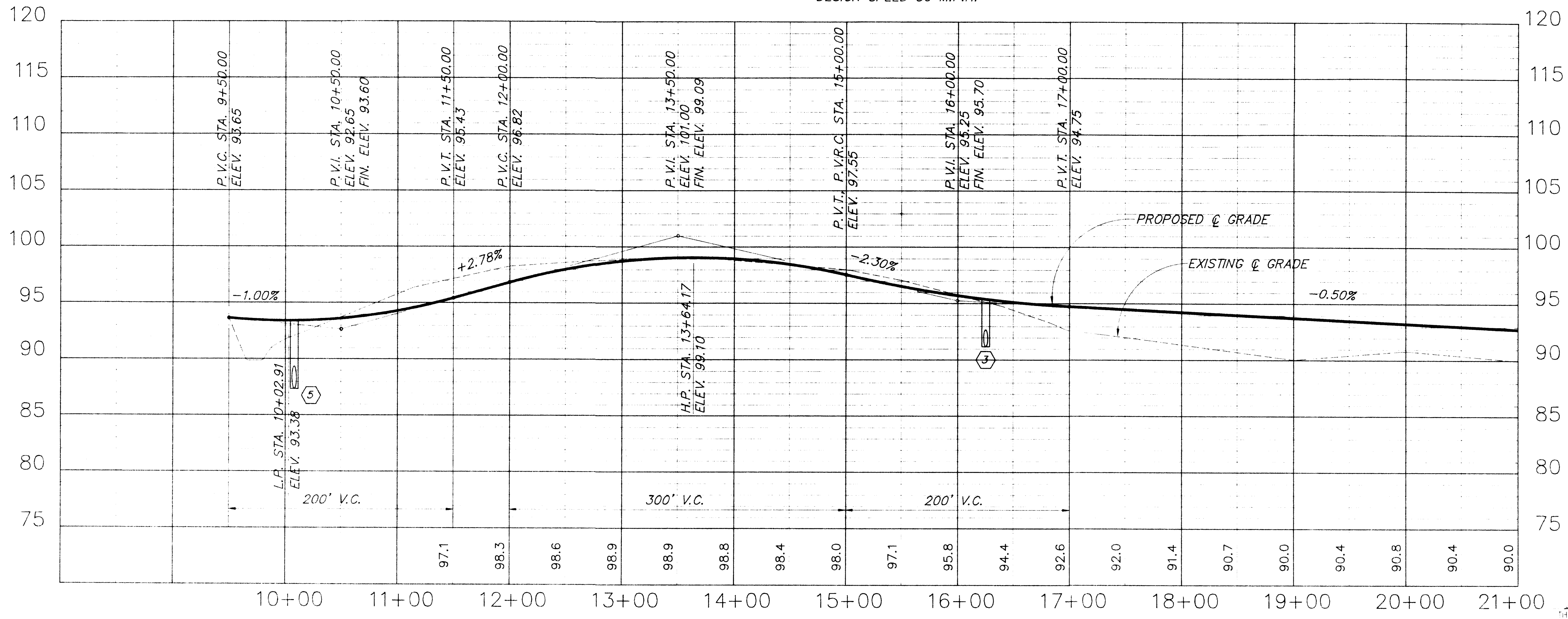
**SECTION**

**BASIN 9 OUTFALL**

THOMAS J. McCANN, P.E.  
REG. ENG. No. 25348



INDEPENDENCE BOULEVARD  
DESIGN SPEED 30 M.P.H.



THOMAS J. MODANI, P.E.  
REG. ENG. No. 25348

LAKE COUNTY BOARD OF COUNTY COMMISSIONERS  
123 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
(904) 343-0655

LAKE COUNTY CENTRAL PARK  
PLAN-PROFILE

ENGINEERS SURVEYORS PLANNERS  
**FARNEY BARLEY**  
AND ASSOCIATES, INC.  
350 North Sinclair Avenue, Tavares, Florida 32778 © (904) 343-9481

NO.	1	2	3	4	5
DATE					
BY					
CHECKED					
SCALE	1"=50'	1"=50'	1"=50'	1"=50'	1"=50'
DATE	AUGUST 1991				
NO.	92-43				
REVISION					

6  
20

STRUCTURE NO. 9  
TYPE P-2 INLET  
D.O.T. INDEX NO. 210  
STA. 22+50.0-RT  
THROAT 91.62  
F.L. 86.90

MATCH LINE  
STA. 21+00.00

STRUCTURE NO. 8  
TYPE E INLET  
D.O.T. INDEX NO. 232  
STA. 22+50.0  
GRATE 90.93  
SLOTS 90.43  
F.L. 86.58-18" E. & W.  
64'-18" R.C.P. @ 0.90%

STRUCTURE NO. 7  
FLARED END SECTION  
D.O.T. INDEX NO. 270  
F.L. 86.00

P.C. STA. 28+93.81

LOT 2

P.T. STA. 32+46.69

STRUCTURE NO. 13  
TYPE P-2 INLET  
D.O.T. INDEX NO. 210  
STA. 29+28.0-LT  
THROAT 91.68  
F.L. 86.64

LOT 3

16'-30" R.C.P. @ 2.80%  
PLUG END @ F.L. 90.53  
W/ BRICK & MORTAR PLUG

STRUCTURE NO. 16  
TYPE P-1 INLET  
D.O.T. INDEX NO. 210  
STA. 33+00.0-RT  
THROAT 95.91  
F.L. 90.08-30" E. & W.

S.M.A. 3  
D.H.W. 89.85-25 YR.

STRUCTURE NO. 12  
TYPE P-2 INLET  
D.O.T. INDEX NO. 210  
STA. 29+28.0-RT  
THROAT 91.68  
F.L. 86.17

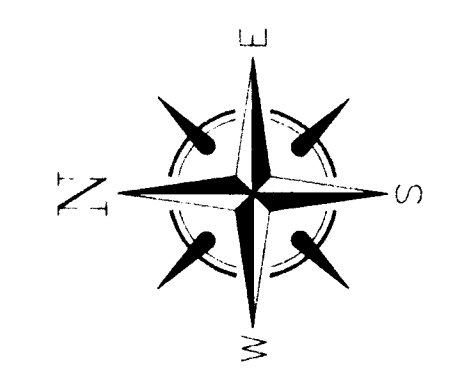
STRUCTURE NO. 11  
FLARED END SECTION  
D.O.T. INDEX NO. 270  
F.L. 86.00

STRUCTURE NO. 15  
TYPE J-1 INLET  
D.O.T. INDEX NO. 210  
STA. 33+00.0-RT  
THROAT 95.91  
F.L. 87.40-36" W.  
F.L. 87.90-30" E.  
F.L. 88.90-18" S.

LOT 47

MATCH LINE  
STA. 34+00.00

INDEPENDENCE BOULEVARD  
DESIGN SPEED 30 M.P.H.



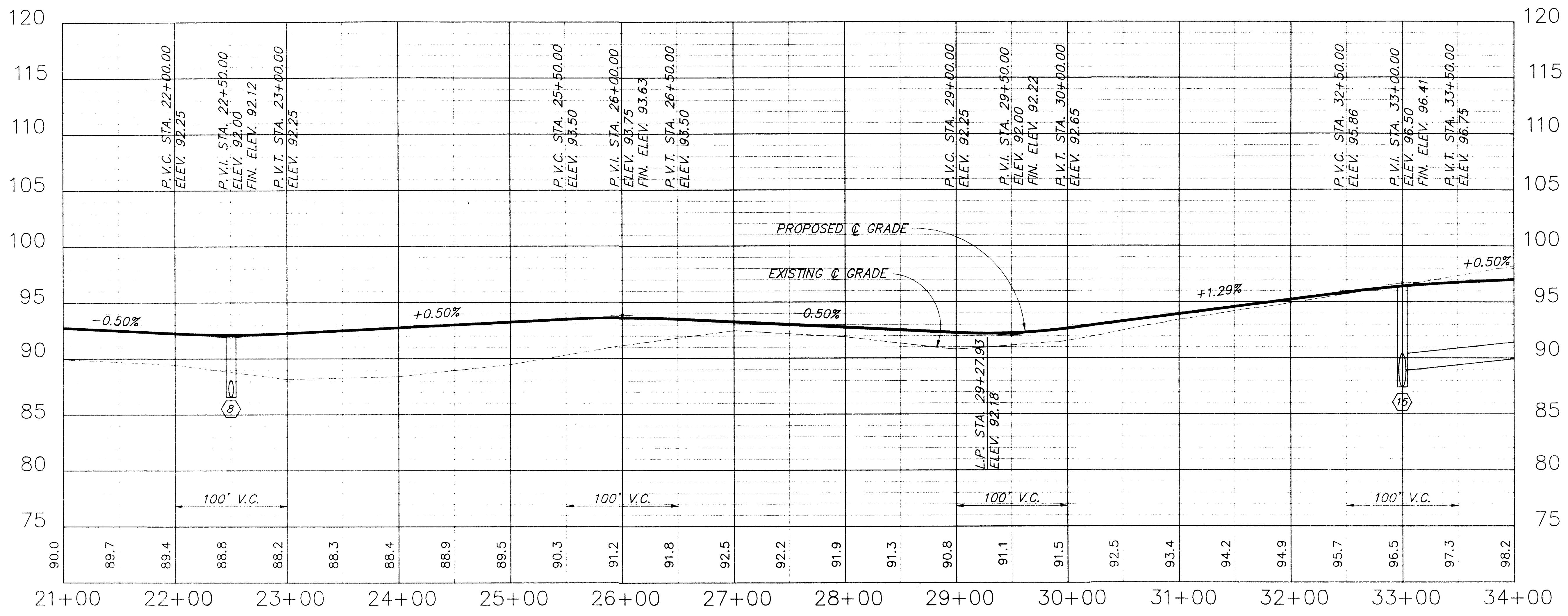
LAKE COUNTY BOARD  
OF COUNTY COMMISSIONERS  
123 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
(904) 343-5666

LAKE COUNTY CENTRAL PARK  
PLAN-PROFILE

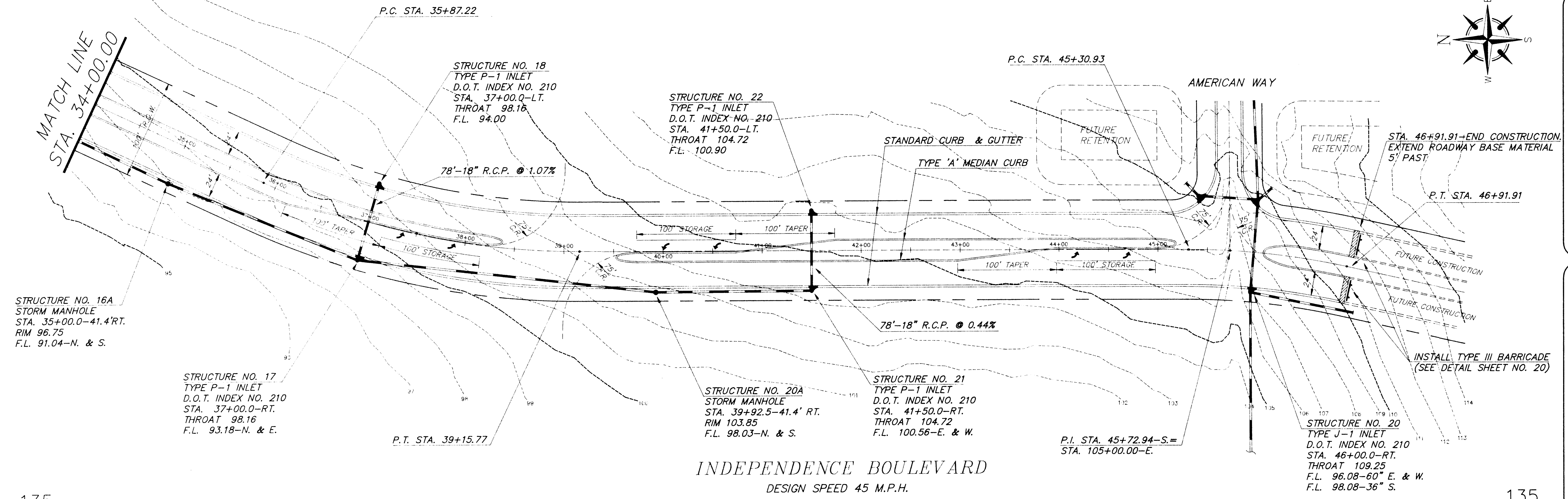
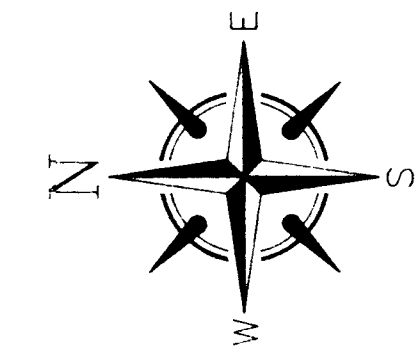
ENGINEERS  
SURVEYORS  
PLANNERS  
**FARNER  
BARBLEY**  
AND ASSOCIATES, INC.  
350 North Sinclair Avenue  
Tavares, Florida 32778  
(904) 343-8481

5	DATE	AUGUST 1991	REVISIONS
4	SCALE	1" = 50' HOR. 1" = 5' VERT.	
3	CHECKED	P.F.F.	
2	DRAWN	T.W.L.	

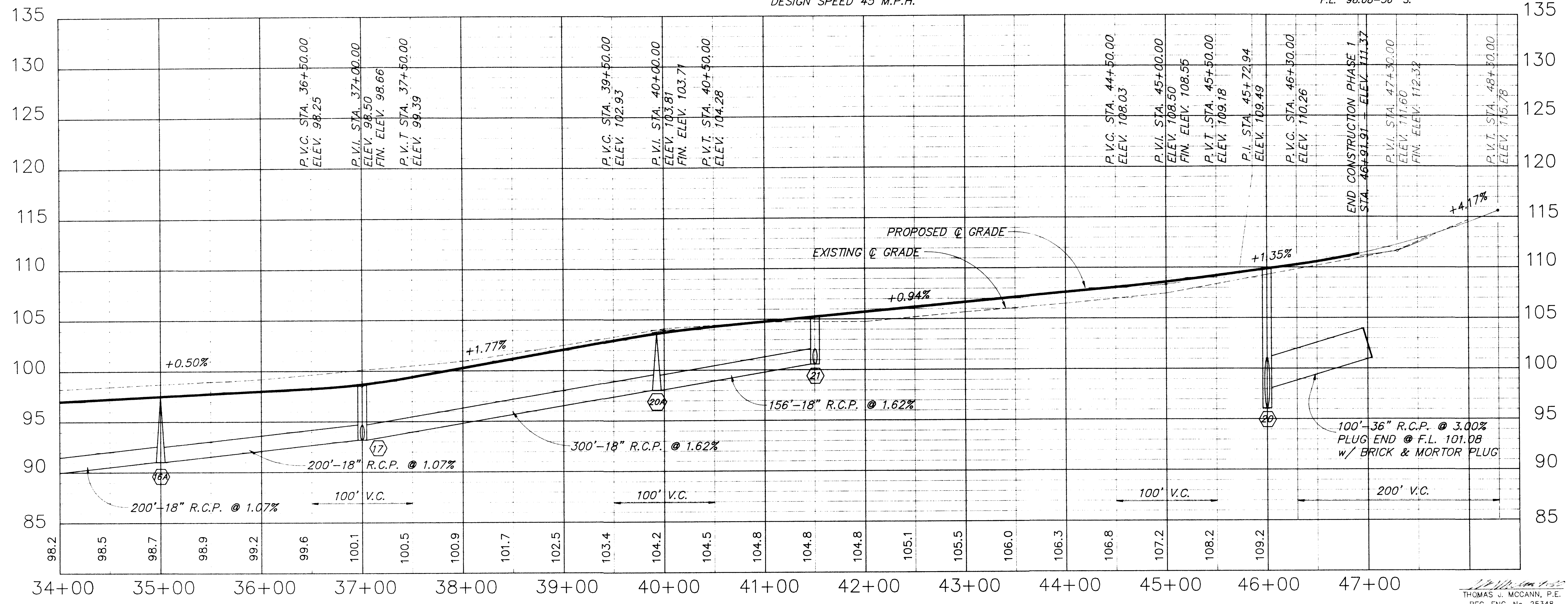
PARKFP2  
7  
20



THOMAS J. MCCANN, P.E.  
REG. ENG. No. 25348



**INDEPENDENCE BOULEVARD**  
DESIGN SPEED 45 M.P.H.



THOMAS J. MCCANN, P.E.  
REG. ENG. No. 25348

PREPARED FOR:  
LAKE COUNTY BOARD OF COUNTY COMMISSIONERS  
123 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
(904) 343-9655

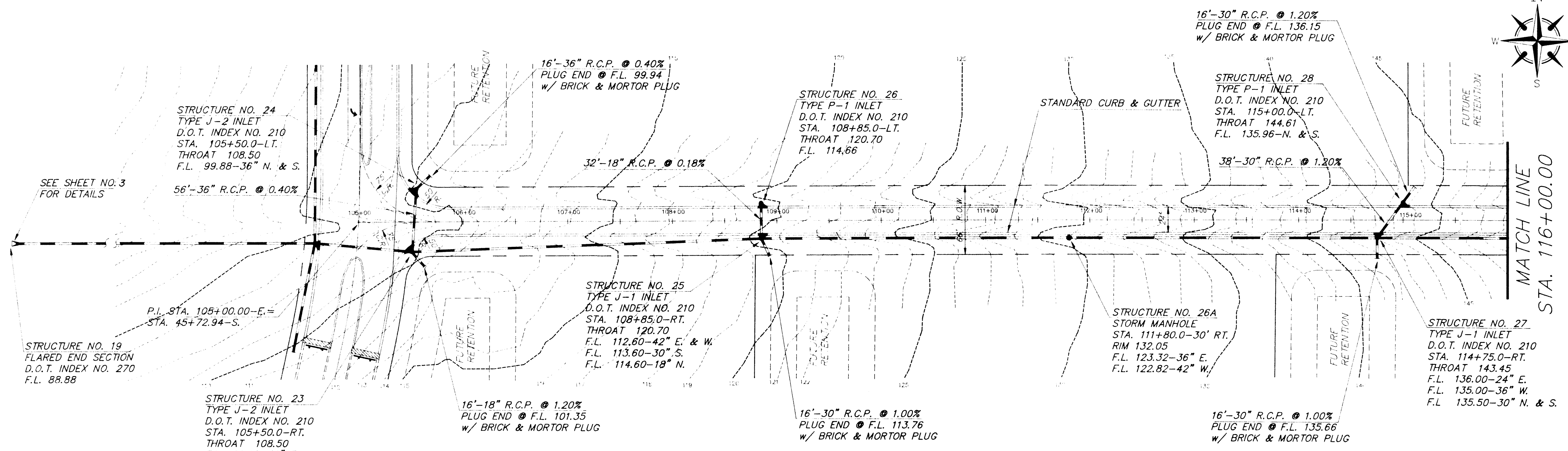
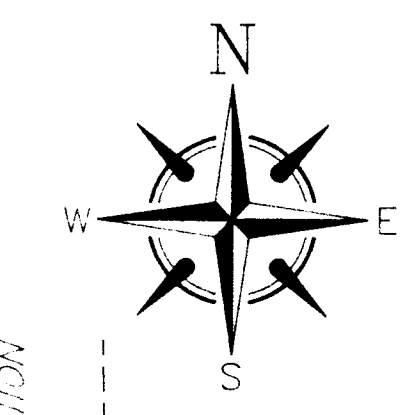
**LAKE COUNTY CENTRAL PARK**  
**PLAN-PROFILE**

**FARNER BARBLEY AND ASSOCIATES, INC.**  
ENGINEERS SURVEYORS PLANNERS  
350 North Sinclair Avenue • Tavares, Florida 32778 • (904) 343-8481

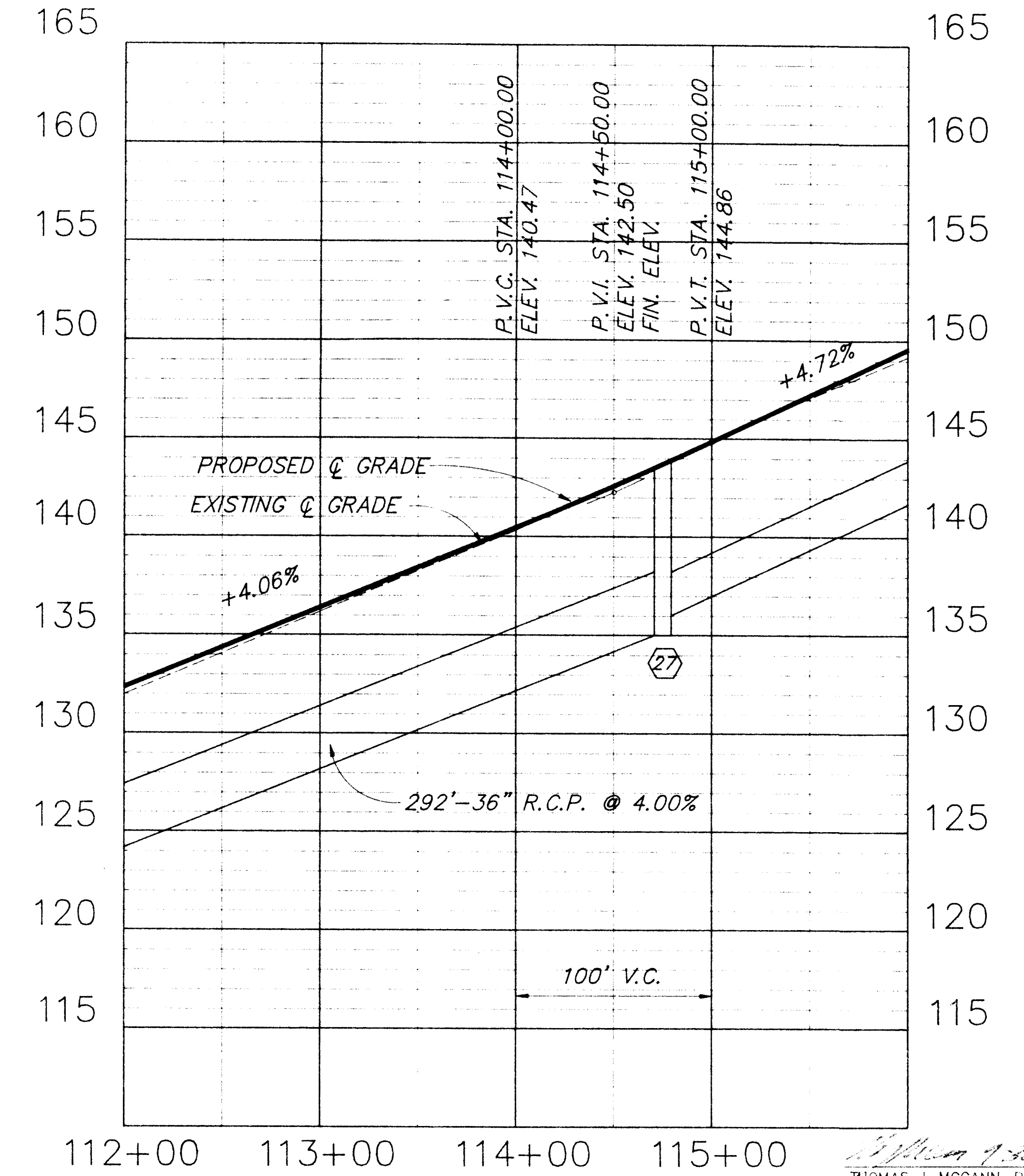
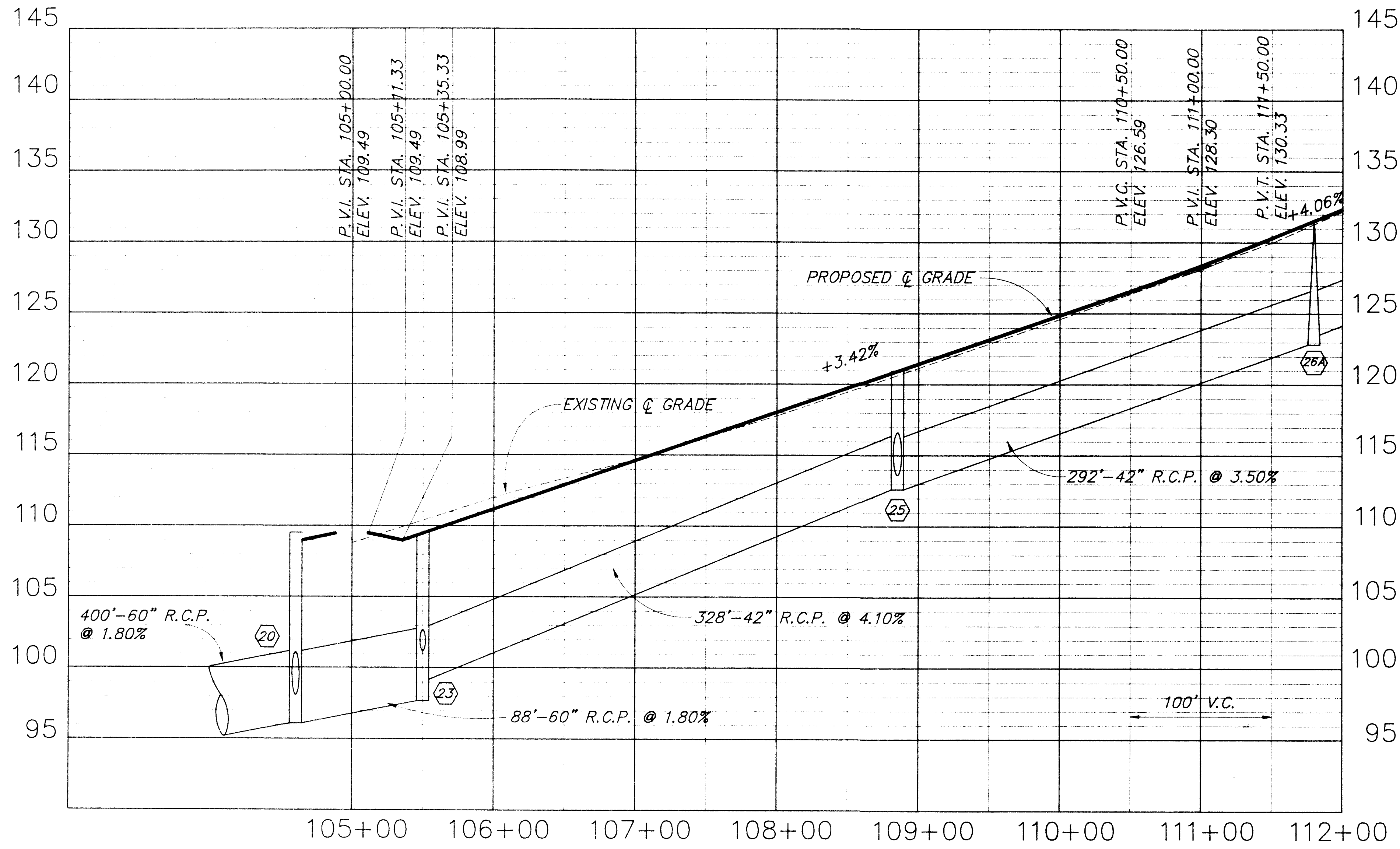
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DATE: AUGUST 1991	SCALE: 1"=20' VERT.	CHECKED: R.E.F.	DRAWN: T.W.L.	REVISIONS:
PROJ. NO. 901243				

PARKPP3  
**8**  
**20**





AMERICAN WAY



THOMAS J. MCCANN, P.E.  
REG. ENG. No. 25348

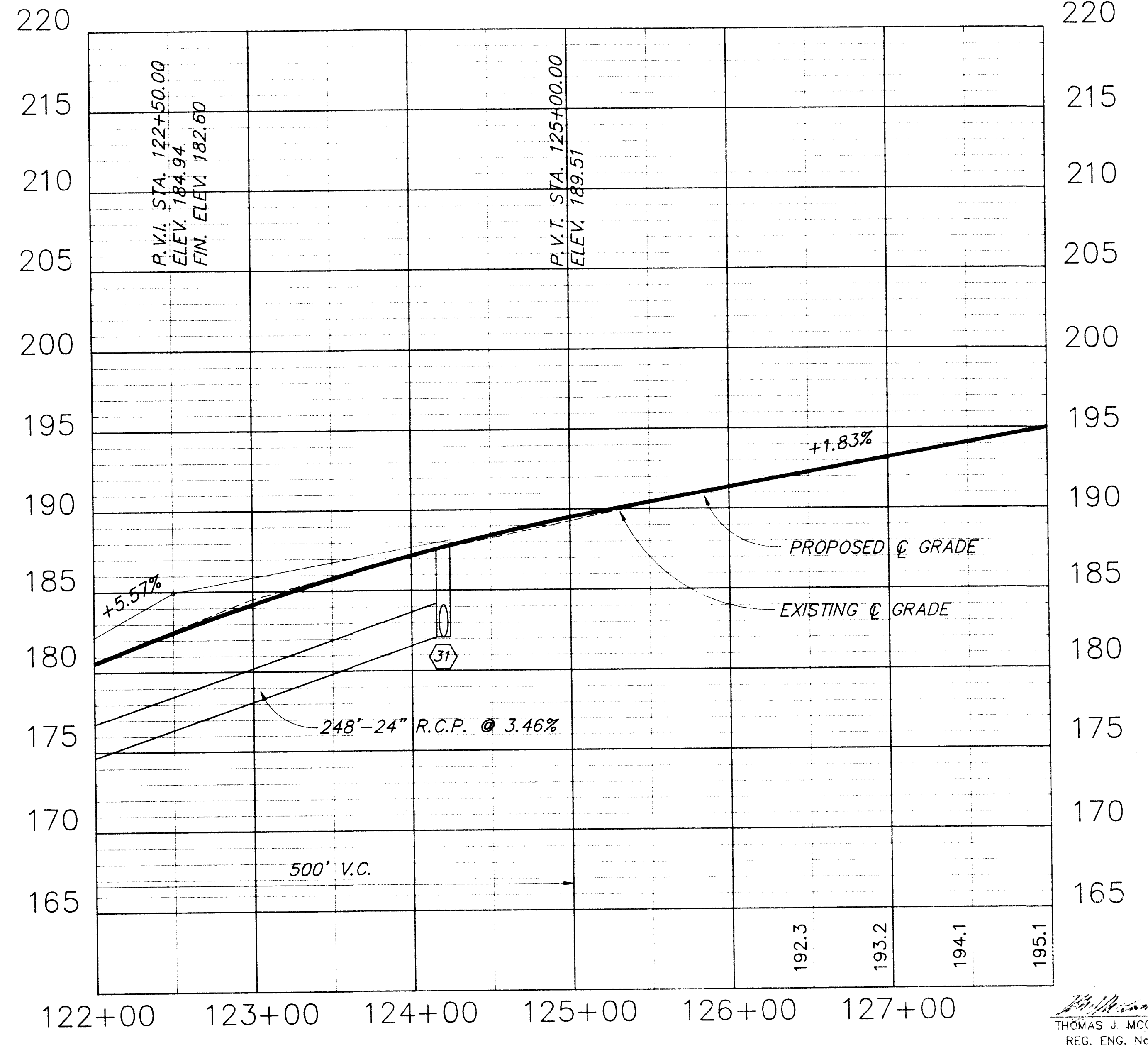
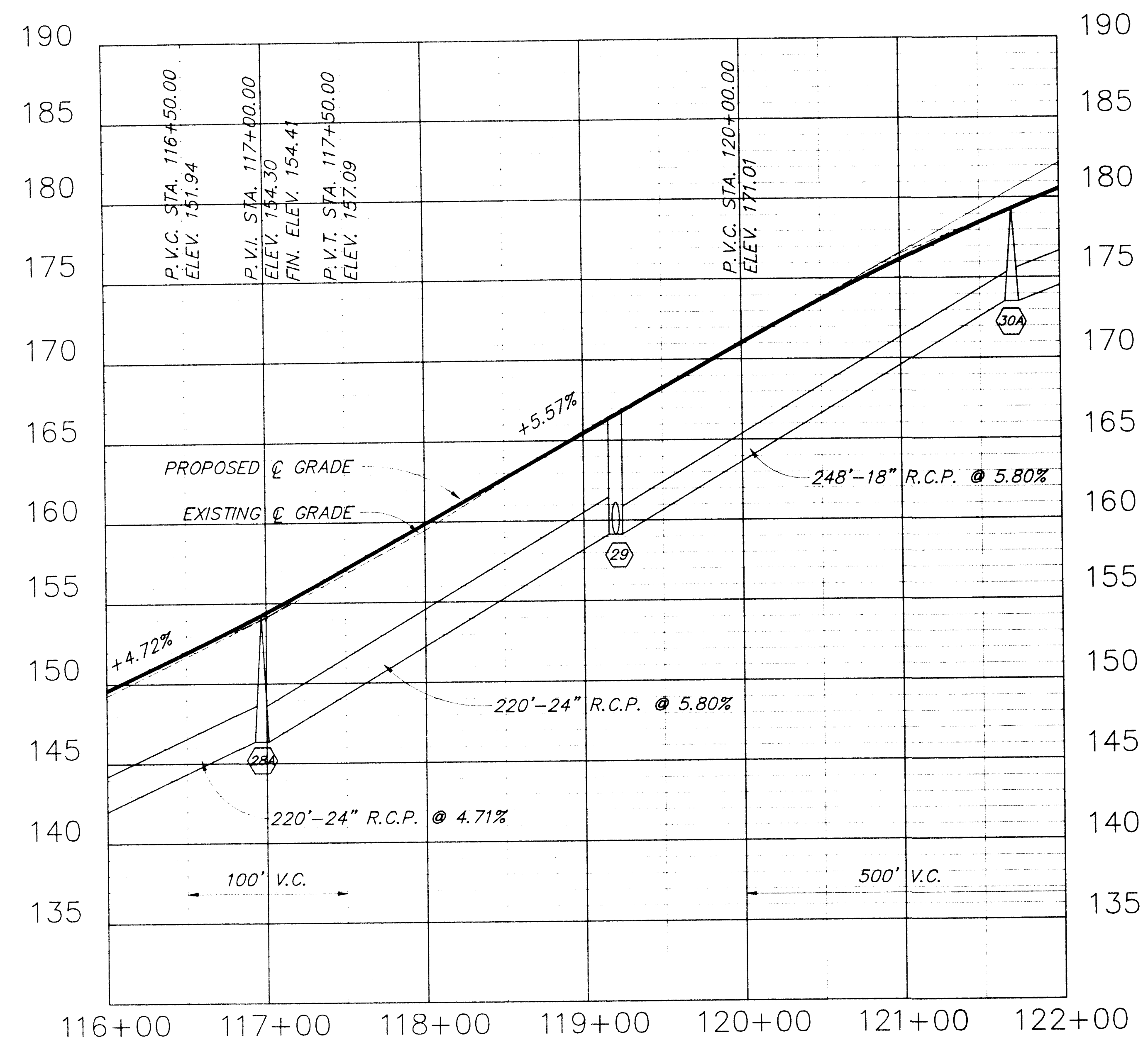
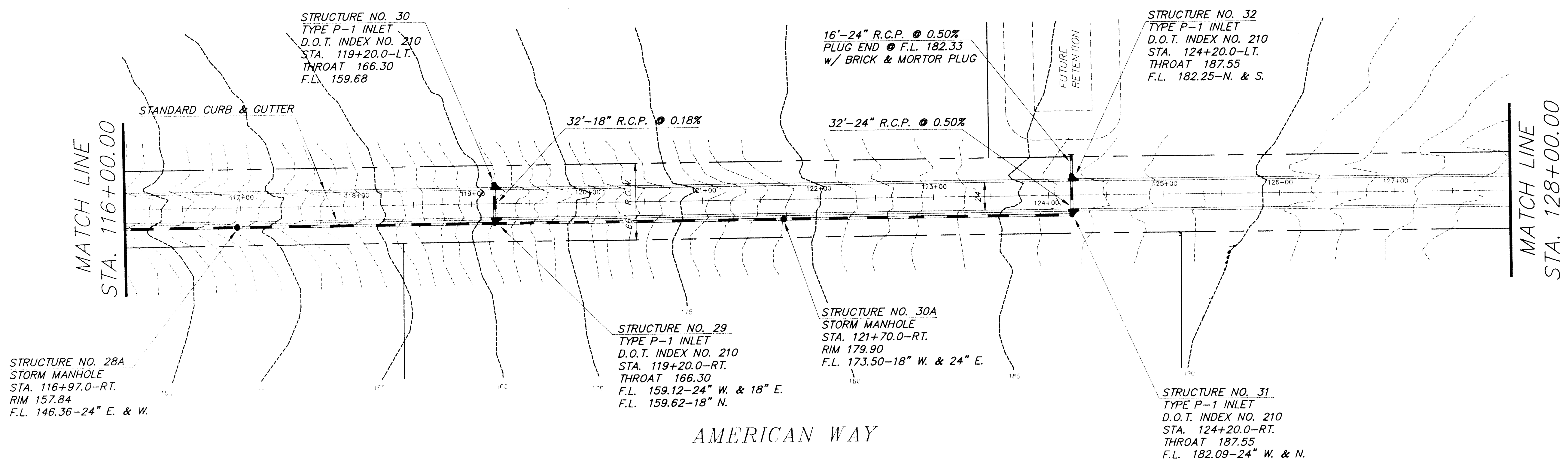
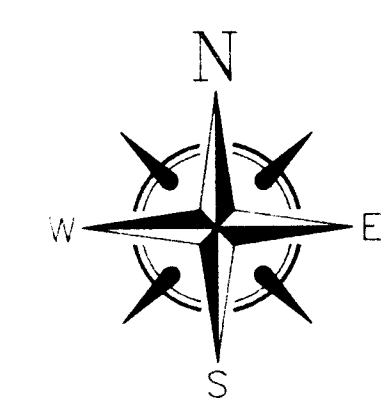
PREPARED FOR : LAKE COUNTY BOARD OF COUNTY COMMISSIONERS  
123 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
(904) 343-9655

LAKE COUNTY CENTRAL PARK  
PLAN-PROFILE

ENGINEERS  
SURVEYORS  
PLANNERS  
**FARNER BARBLEY AND ASSOCIATES, INC.**  
350 North Sinclair Avenue, O Tavares, Florida 32778 O (904) 343-8481

5	4	3	2	1
DATE: AUGUST 1991	SCALE: 1"=50' VERT.	PROJECT NO. 901243	REVISIONS	

PARKPP4  
**9**  
**20**

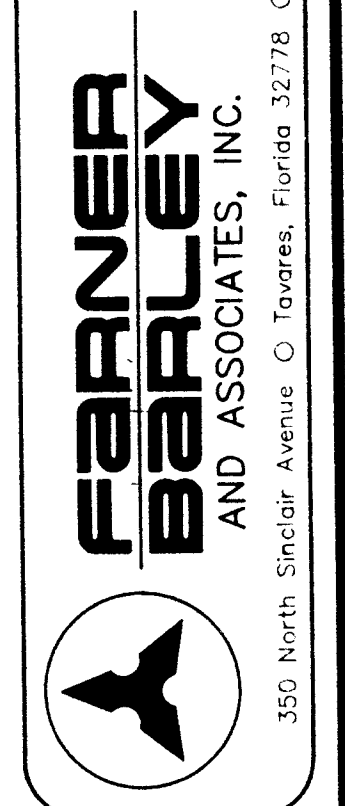


THOMAS J. MCCANN, P.E.  
REG. ENG. No. 25348

PREPARED FOR : LAKE COUNTY BOARD OF COUNTY COMMISSIONERS  
123 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
(904) 343-9655

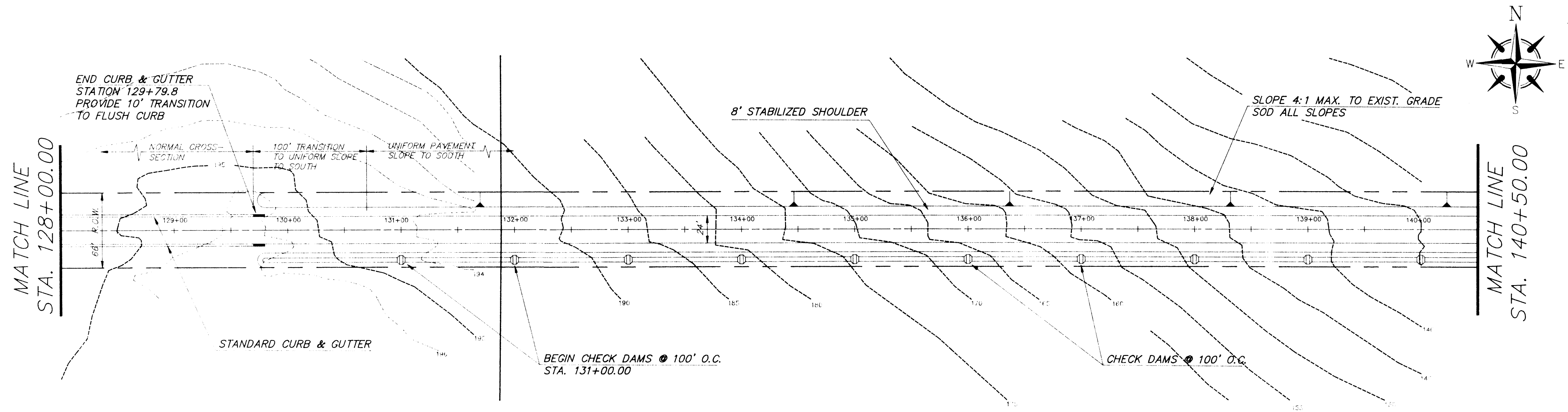
LAKE COUNTY CENTRAL PARK  
PLAN-PROFILE

ENGINEERS  
SURVEYORS  
PLANNERS

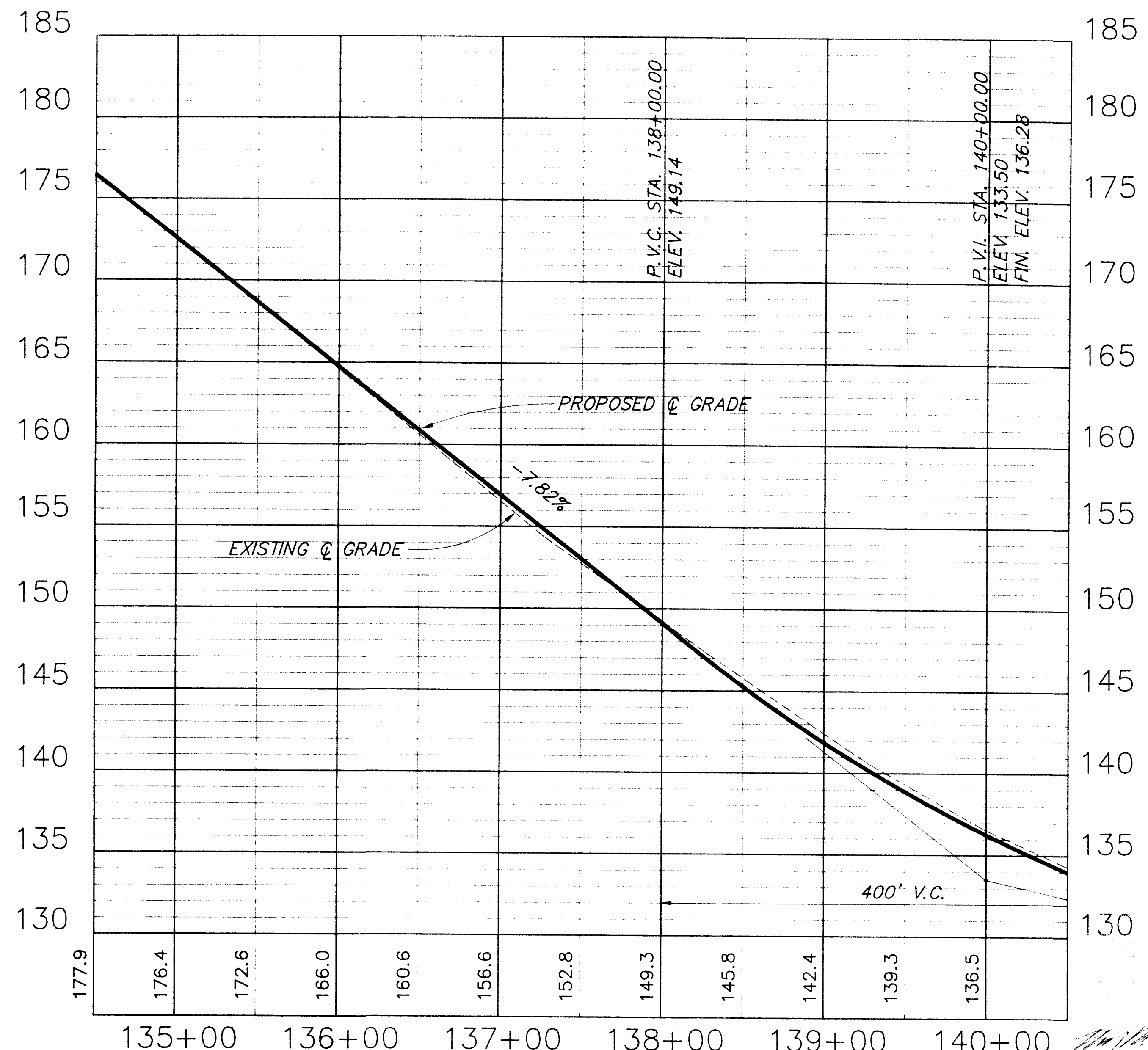
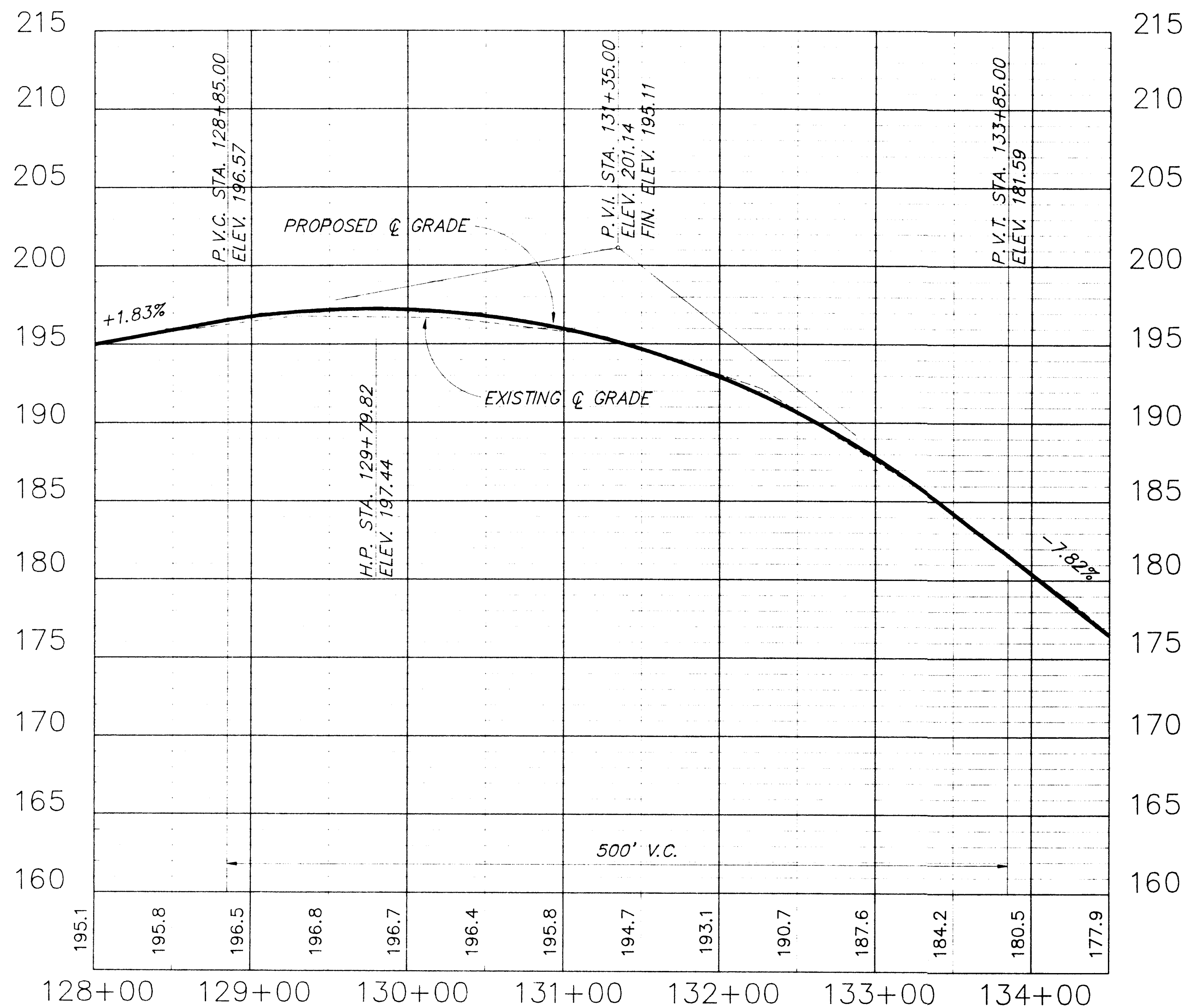


5	DRWN: T.W.L.
4	CHECKED: P.E.F.
3	SCALE: 1"=8' HORIZ.
2	DATE: AUGUST 1991
1	PROJ. NO. 901243

PARKPPS  
10  
20



AMERICAN WAY



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123 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
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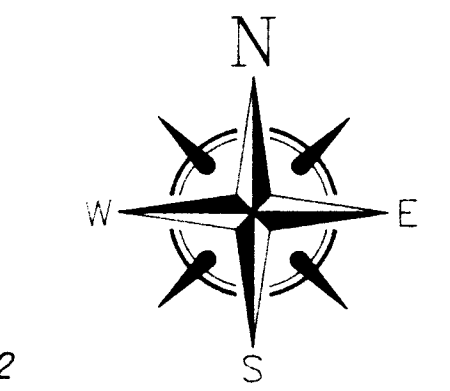
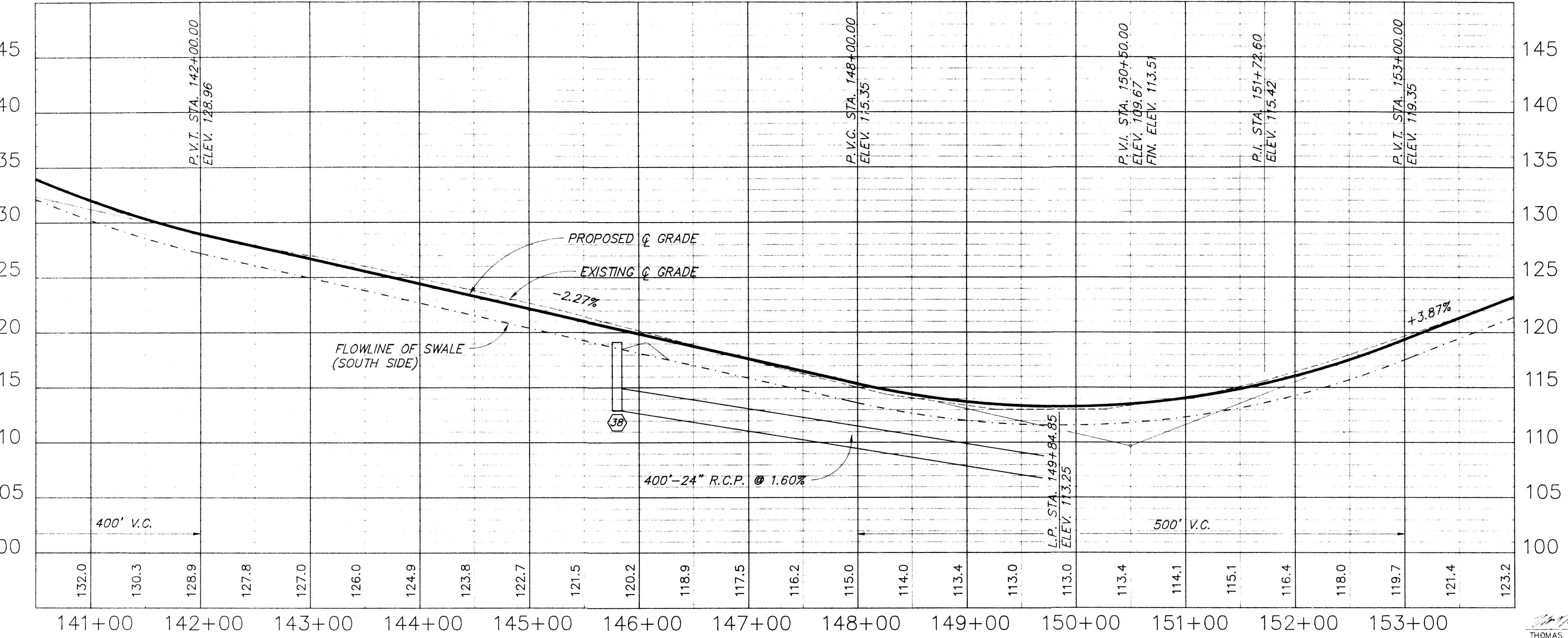
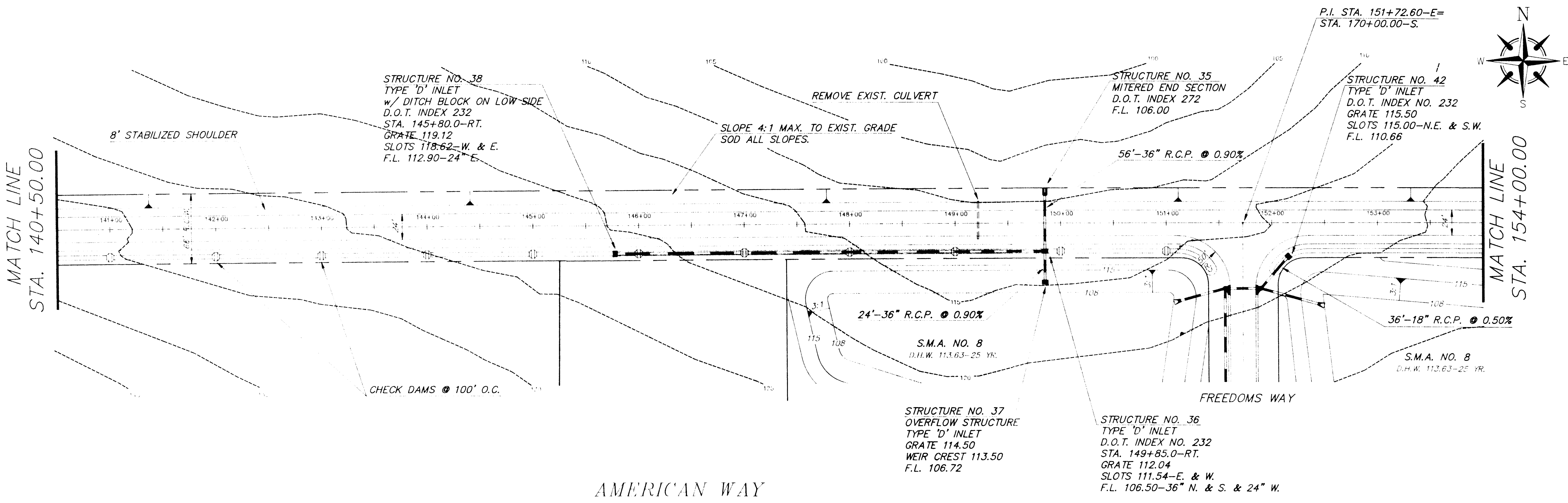
**LAKE COUNTY CENTRAL PARK**  
**PLAN-PROFILE**

ENGINEERS SURVEYORS PLANNERS  
**FARNER BARLEY AND ASSOCIATES, INC.**  
350 North Sinclair Avenue O. Tavares, Florida 32778 O (904) 343-8441

DRWN: T.W.L.	3
CHECKD: R.E.F.	4
SCALE: 1"=50' HOR.	1
1"=5' VERT.	2
DATE: AUGUST 1991	1
PROJ. NO. 901243	REVISIONS

PARKPP6  
**11**  
**20**

THOMAS J. MCCANN, P.E.  
REG. ENG. No. 25348



LAKE COUNTY BOARD  
OF COUNTY COMMISSIONERS  
123 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
(904) 343-9655

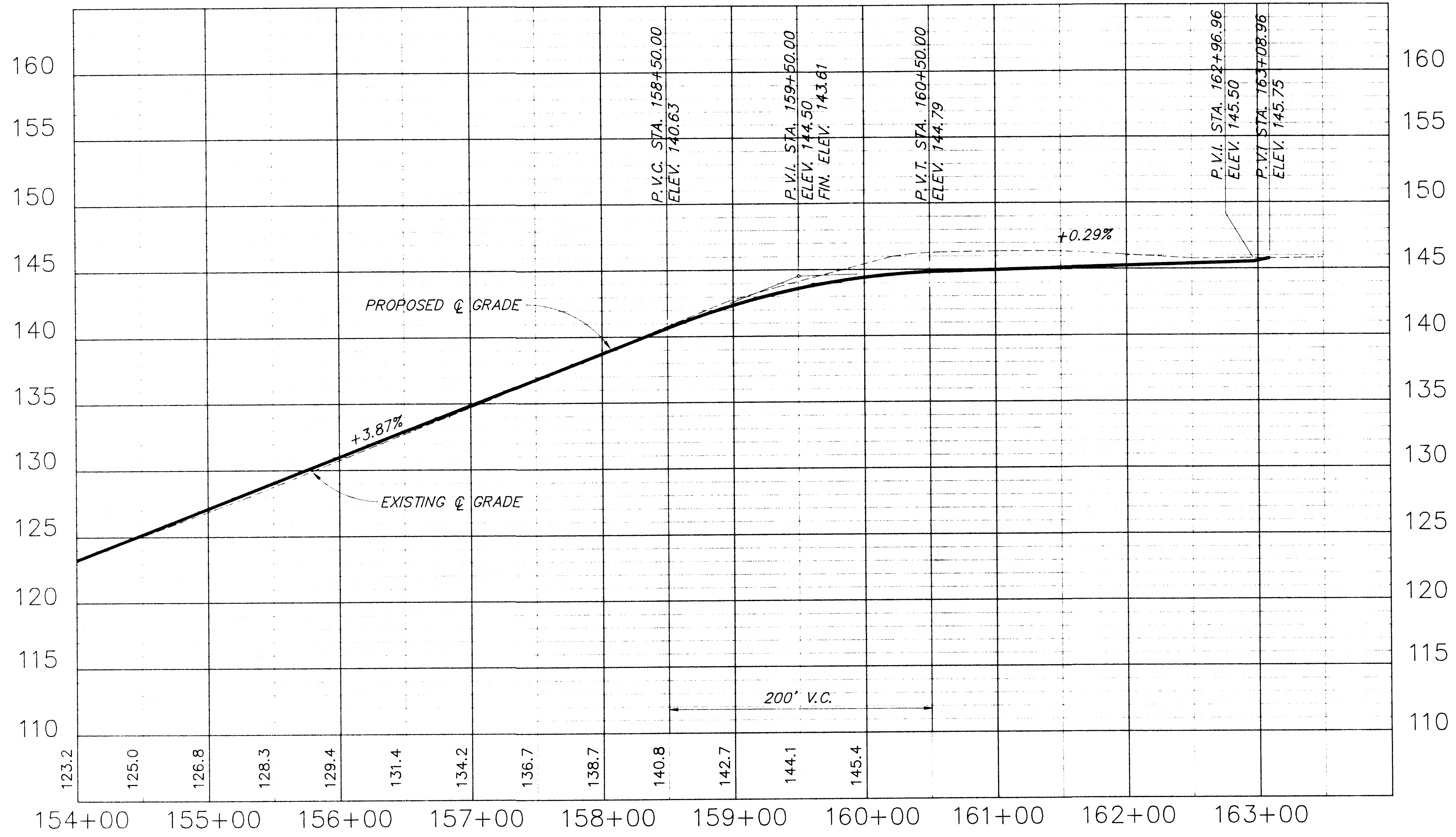
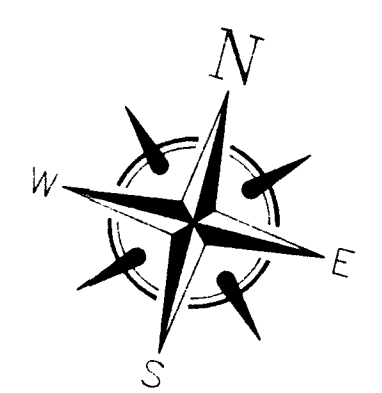
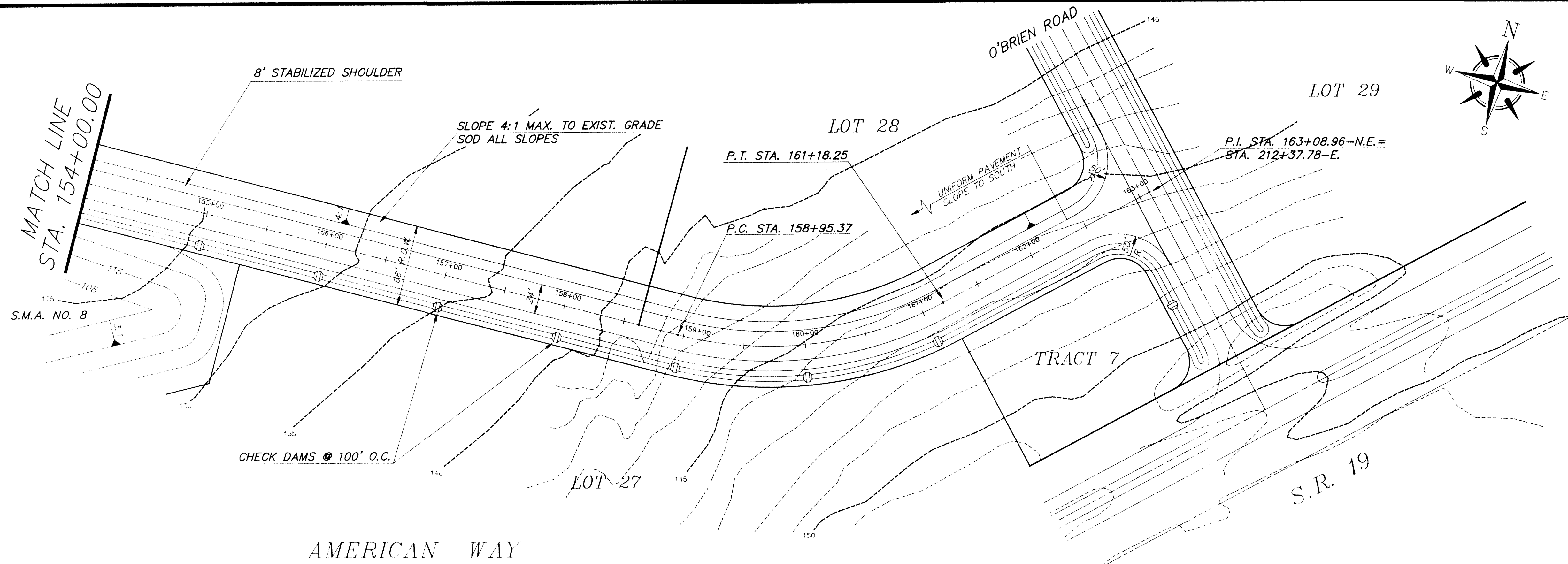
**LAKE COUNTY CENTRAL PARK**  
**PLAN-PROFILE**

**FARNER BARBLEY**  
AND ASSOCIATES, INC.  
ENGINEERS  
SURVEYORS  
PLANNERS  
350 North Sinclair Avenue • Tavares, Florida 32778 • (904) 343-8481

5	4	3	2	1
DRWN: T.W.L.	CHECKED: P.F.F.	SCALE: 1"=50' HORIZ. 1"=5' VERT.	DATE: AUGUST 1991	PROJ. NO. 901243
REVISIONS				

PARK/P7  
**12**  
**20**

THOMAS J. MCCANN, P.E.  
REG. ENG. No. 25348



THOMAS J. MCCANN, P.E.  
REG. ENG. No. 25348

PREPARED FOR : LAKE COUNTY BOARD OF COUNTY COMMISSIONERS  
123 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
(904) 343-9655

LAKE COUNTY CENTRAL PARK  
PLAN-PROFILE

ENGINEERS  
SURVEYORS  
PLANNERS

**FARNER  
BARLEY**  
AND ASSOCIATES, INC.

350 North Sinclair Avenue  
Tavares, Florida 32778  
(904) 343-8481

NO.	DATE	REVISIONS
1	AUGUST 1991	
2		
3		
4		
5		

PARKPPS  
**13**  
**20**

STRUCTURE NO. 43  
FLARED END SECTION  
D.O.T. INDEX NO. 270  
F.L. 108.77

52'-42" R.C.P. @ 0.55%

STRUCTURE NO. 41  
TYPE J-1 INLET  
D.O.T. INDEX NO. 210  
STA. 170+62.0-LT.  
THROAT 117.56  
F.L. 108.48-42" E. & W.  
F.L. 110.48-18" N.E.

P.I. STA. 170+00.00-S=  
STA. 151+72.60-E.

STRUCTURE NO. 40  
TYPE J-1 INLET  
D.O.T. INDEX NO. 210  
STA. 170+62.0-RT.  
THROAT 117.56  
F.L. 108.26-42" E. & 48" W.  
F.L. 110.76-18" S.

40'-48" R.C.P. @ 0.65%

STRUCTURE NO. 39  
FLARED END SECTION  
D.O.T. INDEX NO. 270  
F.L. 108.00

LOT 26

32'-18" R.C.P. @ 0.50%

P.C. STA. 174+35.48

STRUCTURE NO. 45  
TYPE P-1 INLET  
D.O.T. INDEX NO. 210  
STA. 175+00.0-LT.  
THROAT 140.73  
F.L. 134.24

STRUCTURE NO. 45A  
STORM MANHOLE  
STA. 176+77.0-LT.  
RIM 150.75  
F.L. 144.20-18" N.  
(PROVIDE KNOCK-OUT  
FOR FUTURE CONNECTION)

P.T. STA. 176+47.47

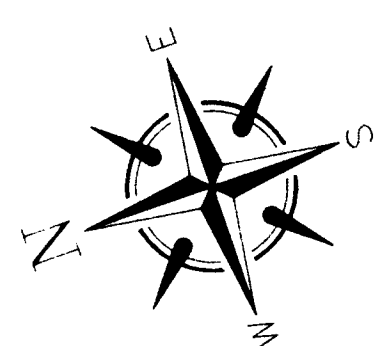
LOT 25

STRUCTURE NO. 44  
TYPE P-1 INLET  
D.O.T. INDEX NO. 210  
STA. 175+00.0-RT.  
THROAT 140.73  
F.L. 134.08-N.S. & E.

STANDARD CURB & GUTTER

STRUCTURE NO. 43A  
STORM MANHOLE  
STA. 173+67.0-RT.  
RIM 134.45  
F.L. 127.26-18" N. & S.

LOT 22

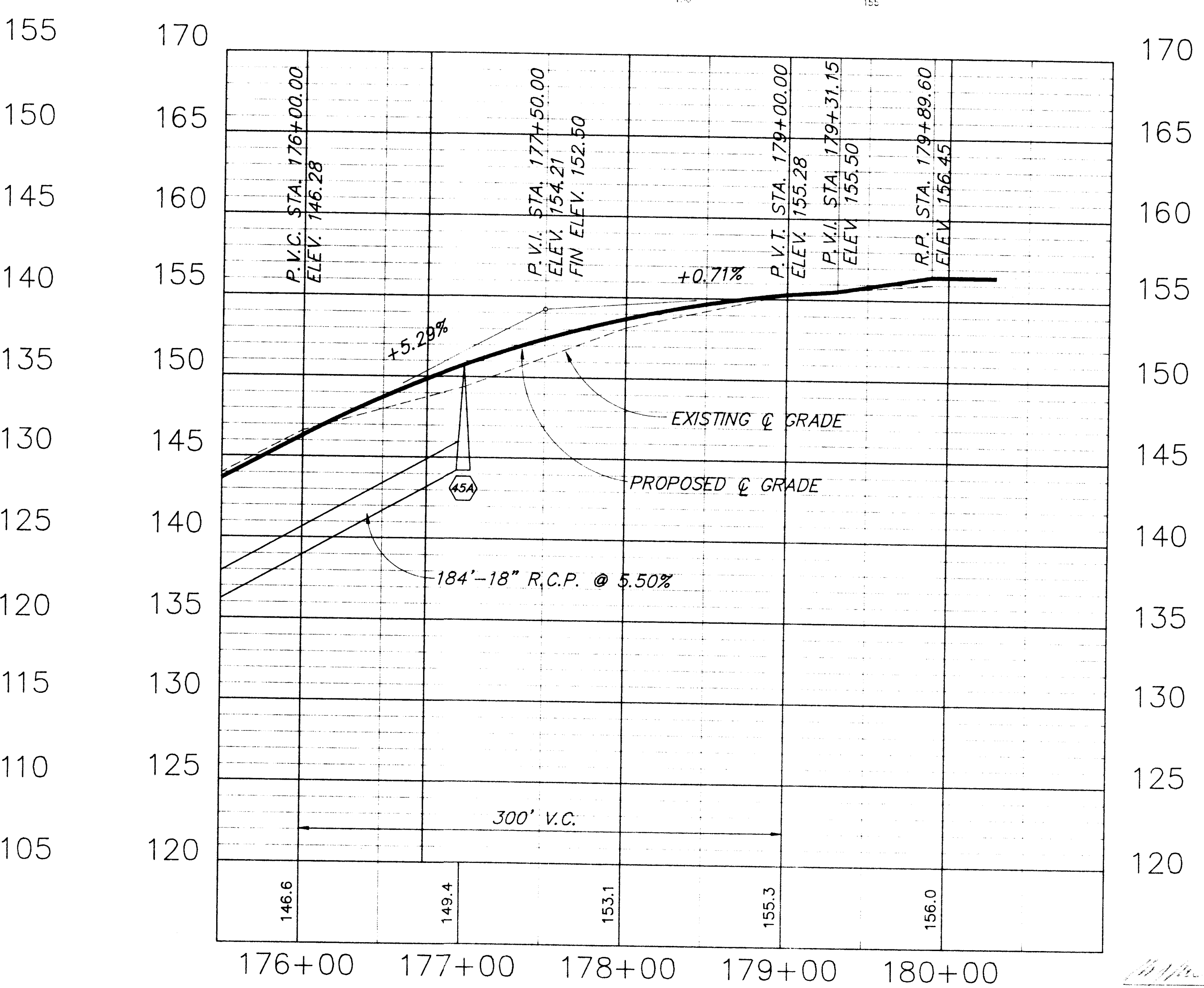
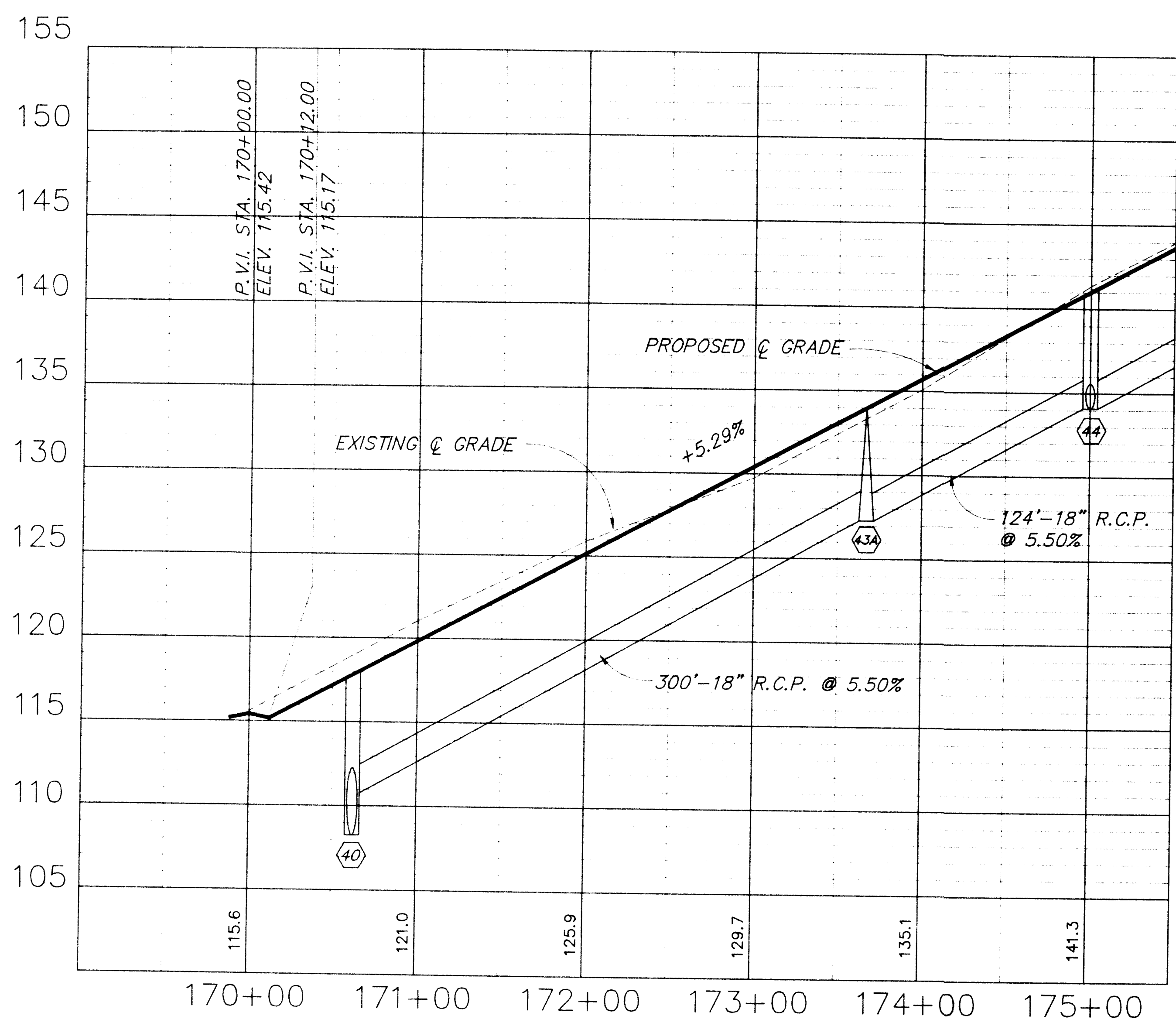


LOT 24

R.P. STA. 179+89.60

LOT 23

FREEDOMS WAY



LAKE COUNTY BOARD  
OF COUNTY COMMISSIONERS  
123 N. SINCLAIR AVENUE  
TAVARES, FLORIDA 32778  
(904) 343-9655

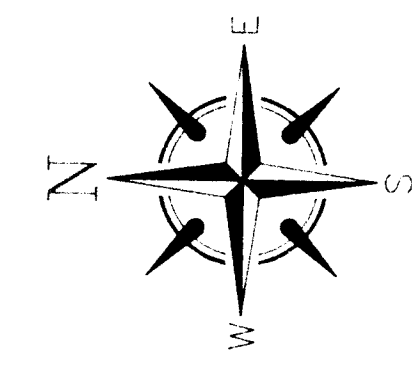
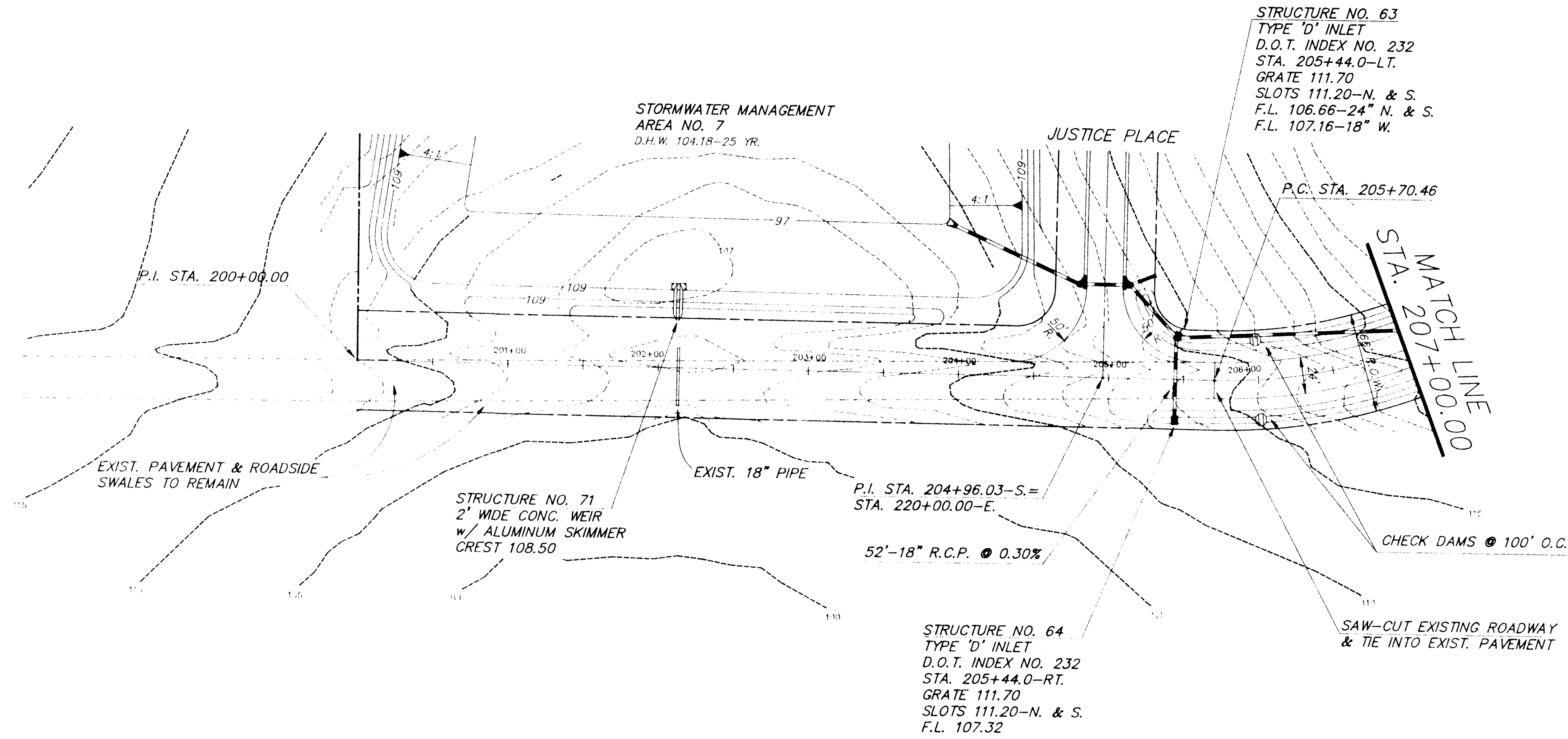
LAKE COUNTY CENTRAL PARK  
PLAN-PROFILE

ENGINEERS  
SURVEYORS  
PLANNERS  
**FARNER BARLEY**  
AND ASSOCIATES, INC.  
350 North Sinclair Avenue  
Tavares, Florida 32778 O (904) 343-8481

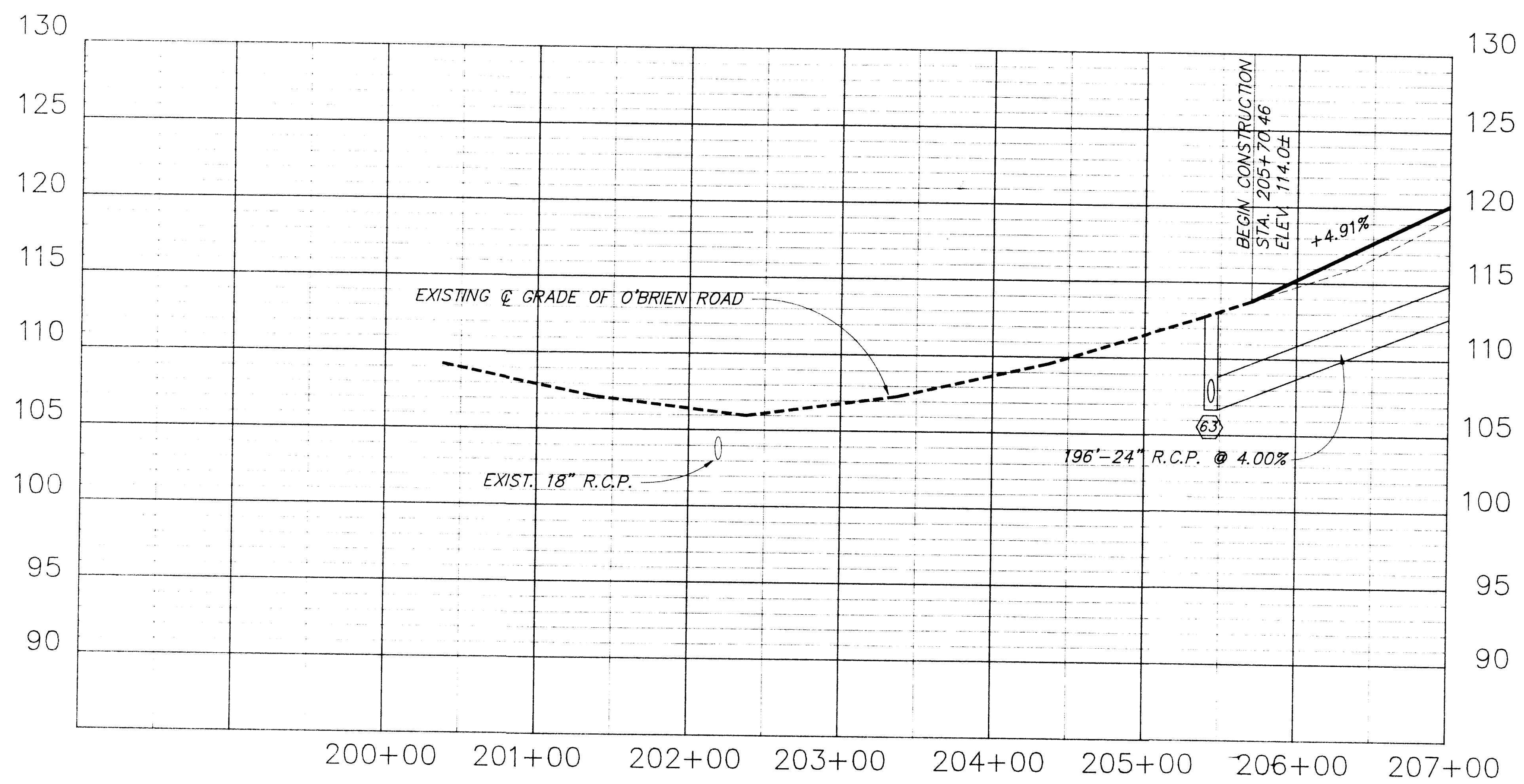
DATE: AUGUST 1991	REVISIONS:
SCALE: 1"=5' HORIZ. 1"=5' VERT.	1
CHECKED: R.F.F.	2
DRAWN: T.W.L.	3

PARKPP9  
**14**  
**20**

THOMAS J. MCCANN, P.E.  
REG. ENG. NO. 25348



O'BRIEN ROAD



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**LAKE COUNTY CENTRAL PARK**  
**PLAN-PROFILE**

ENGINEERS  
SURVEYORS  
PLANNERS

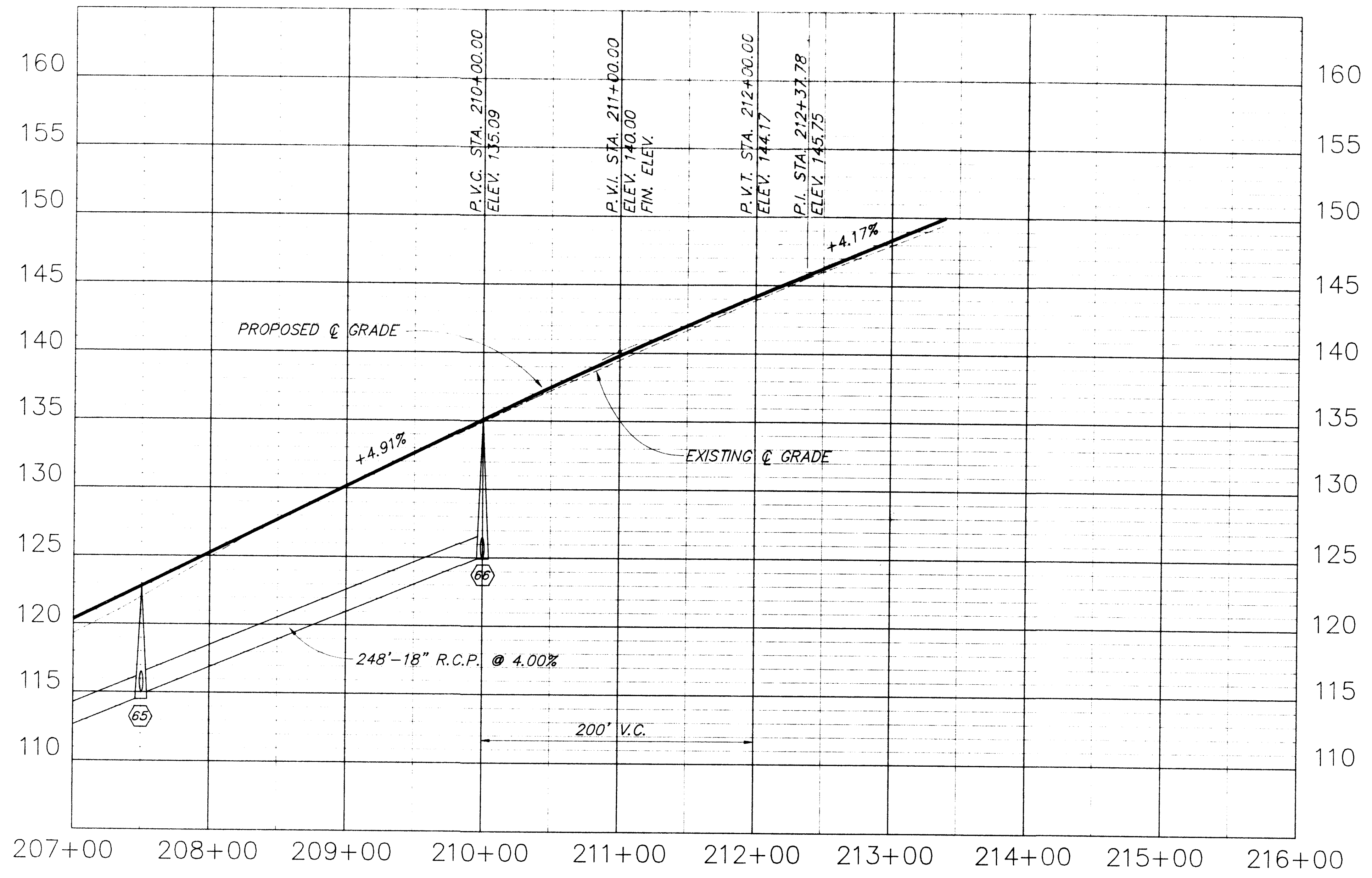
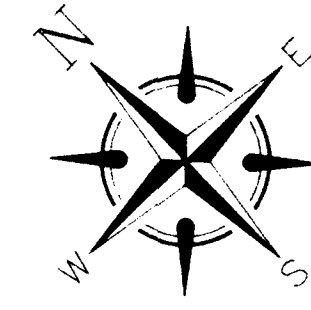
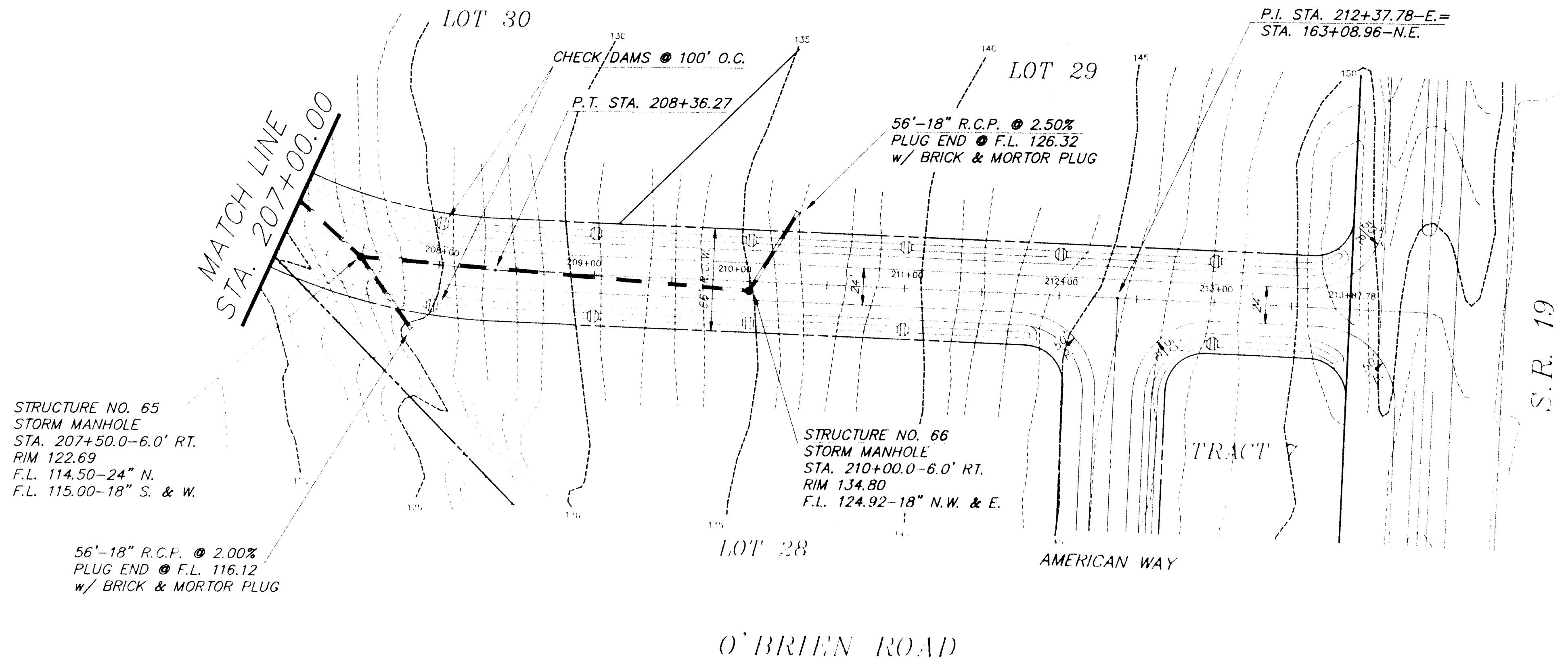
**FARNER BARLEY AND ASSOCIATES, INC.**  
350 North Sinclair Avenue • Tavares, Florida 32778 • (904) 343-8481

NO.	DATE	REVISIONS
5		
4		
3		
2		
1		

PROJ. NO. 901243

PARKPP10  
**15**  
**20**

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REG. ENG. No. 25348



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(904) 343-9655

LAKE COUNTY CENTRAL PARK  
PLAN-PROFILE

ENGINEERS  
SURVEYORS  
PLANNERS

**FARNER  
BARLEY**  
AND ASSOCIATES, INC.

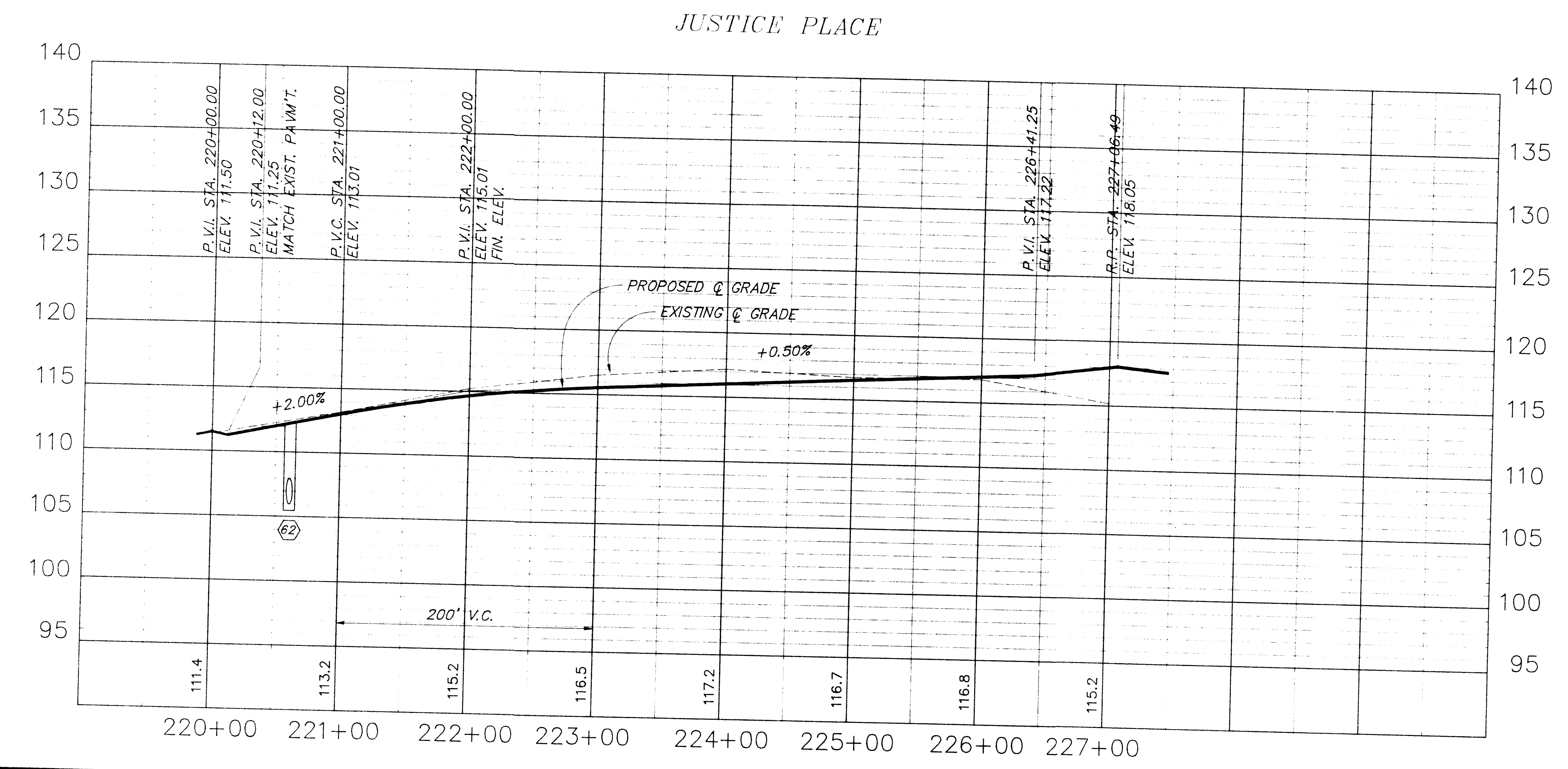
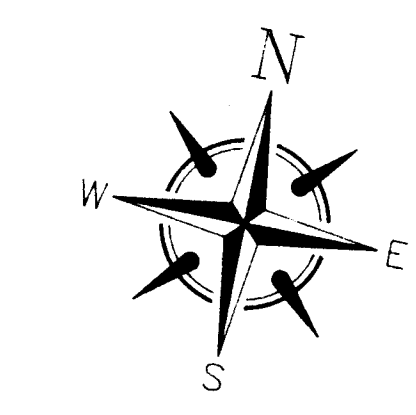
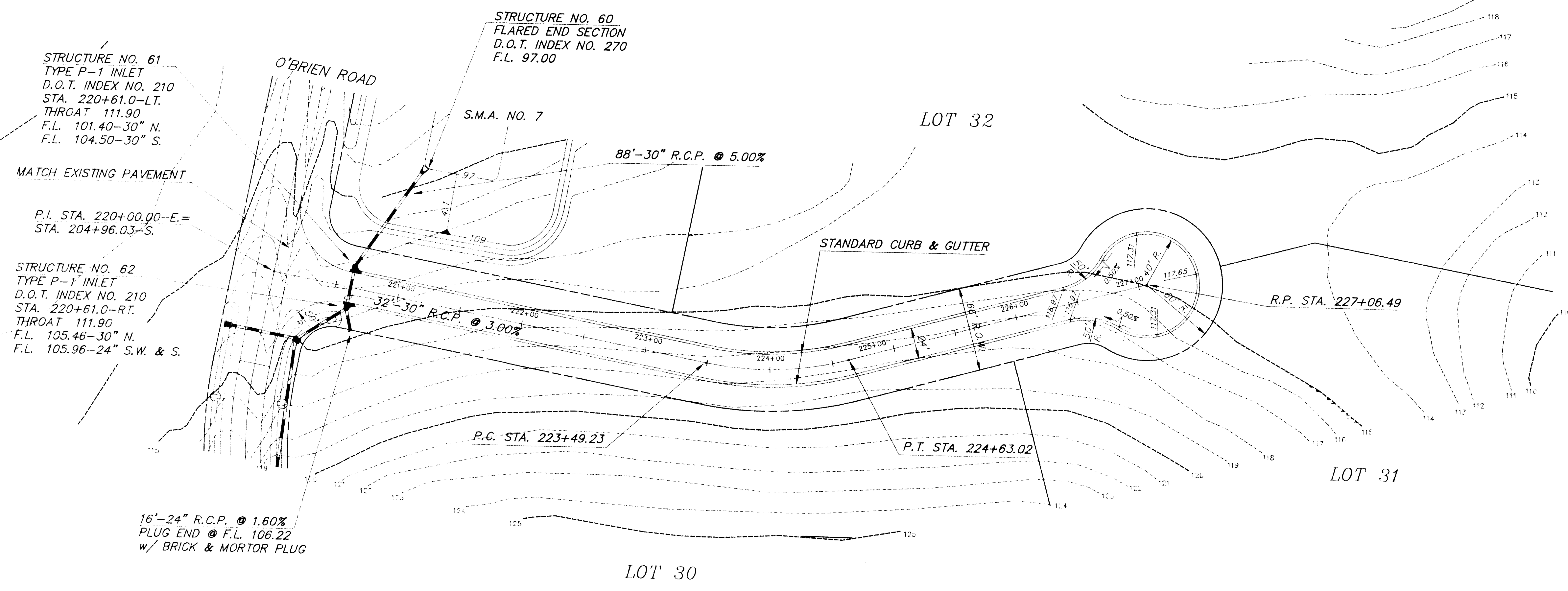
350 North Sinclair Avenue  
Tavares, Florida 32778  
(904) 343-4481

DRAWN: T.W.L.	CHECKED: R.E.F.	SCALE: 1"=50' HORIZ 1"=5' VERT	DATE: AUGUST 1991	PROJ. NO. 9C1243	REVISIONS:
1	2	3	4	5	

PARKPP11  
16  
20

THOMAS J. MCCANN, P.E.  
REG. ENG. No. 25348





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TAVARES, FLORIDA 32778  
(904) 343-9655

**LAKE COUNTY CENTRAL PARK**  
**PLAN-PROFILE**

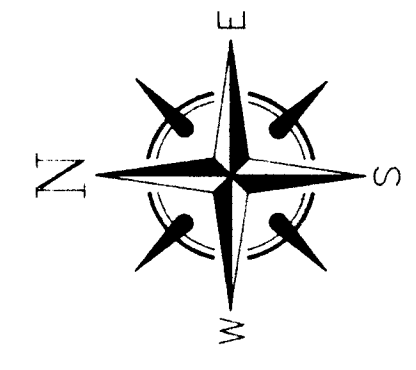
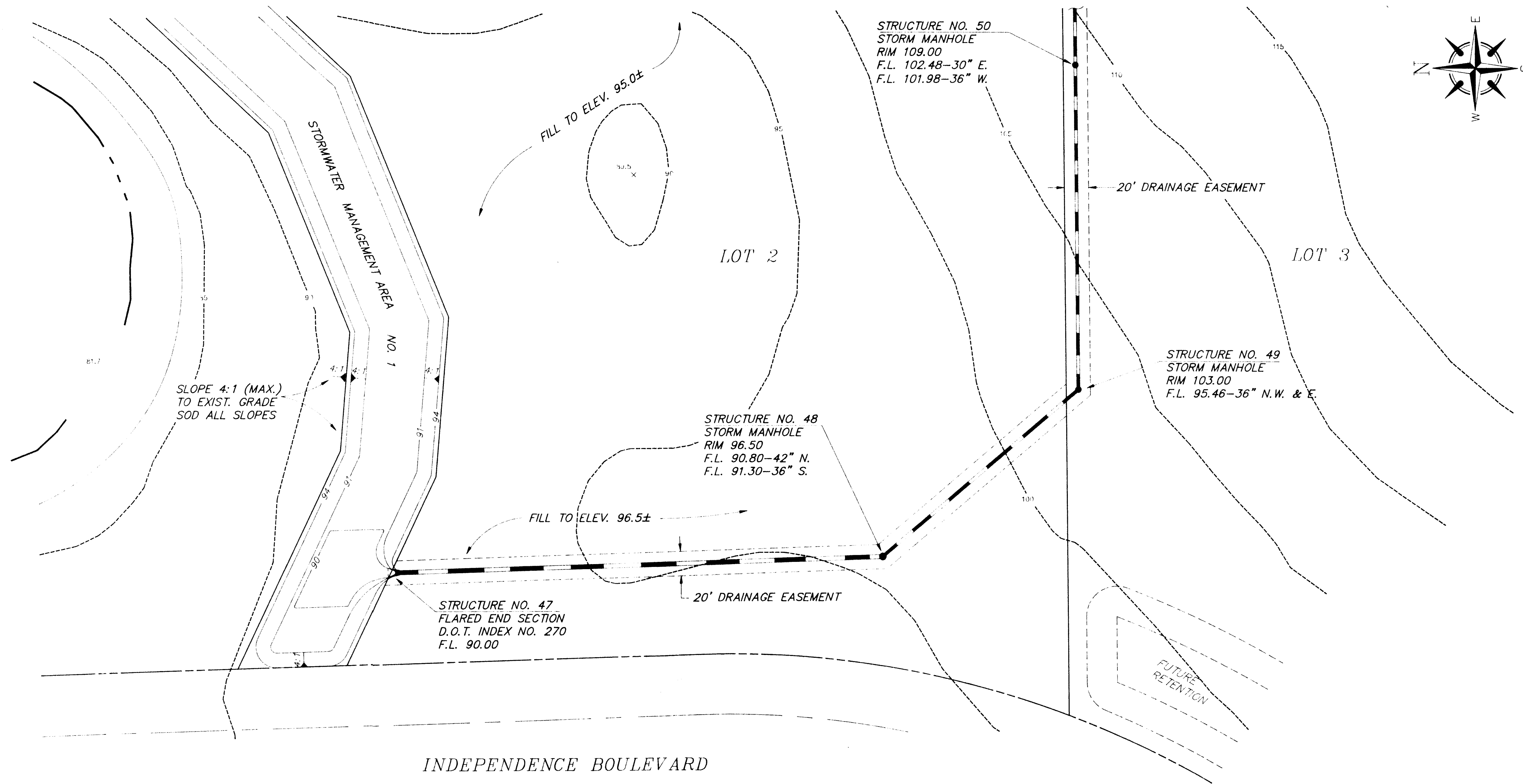
**FARNEY**  
**BARBLEY**  
AND ASSOCIATES, INC.  
350 North Sinclair Avenue • Tavares, Florida 32778 • (904) 343-8481

▲ ENGINEERS  
▲ SURVEYORS  
▲ PLANNERS

NO.	DATE	REVISIONS
1		
2		
3		
4		
5		

PARKPP12  
**17**  
**20**

THOMAS J. MCCANN, P.E.  
REG. ENG. No. 25348

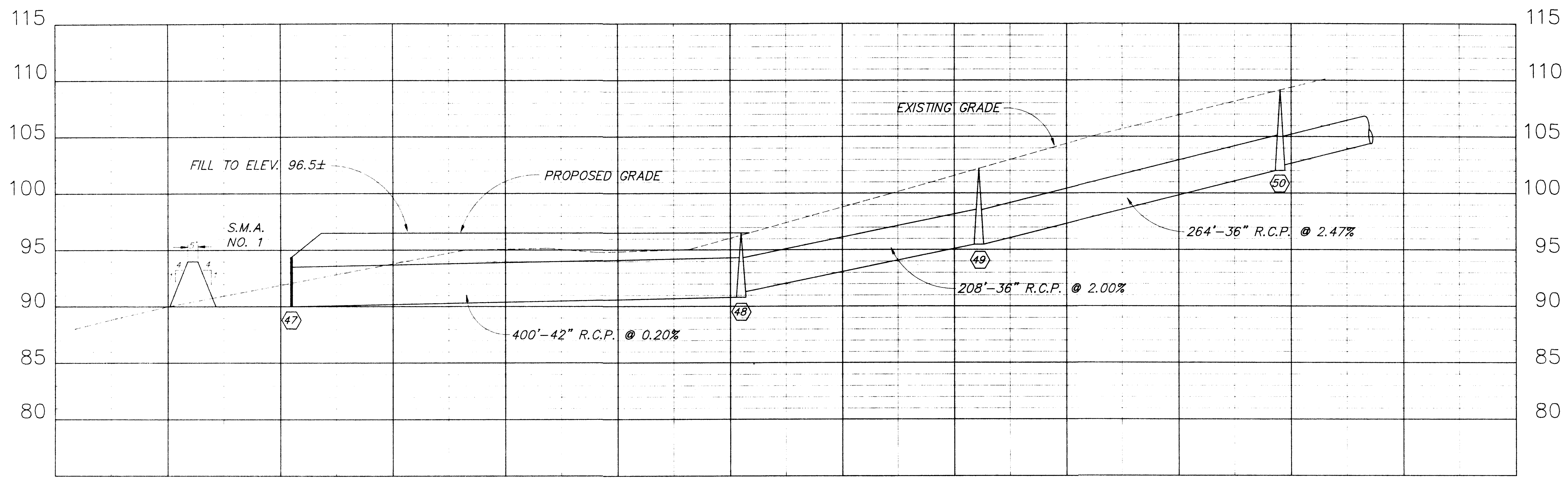


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 OF COUNTY COMMISSIONERS  
 123 N. SINCLAIR AVENUE  
 TAYARES, FLORIDA 32778  
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**LAKE COUNTY CENTRAL PARK**  
**PLAN-PROFILE**

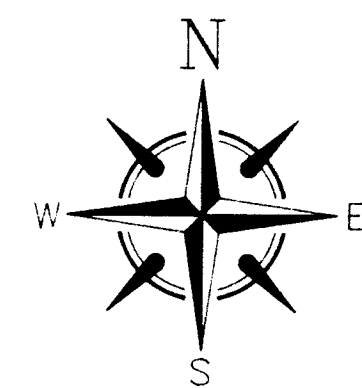
ENGINEERS  
 SURVEYORS  
 PLANNERS  
**FARNER  
 BARLEY  
 AND ASSOCIATES, INC.**  
 350 North Sinclair Avenue • Tayares, Florida 32778 • (904) 343-8481

DRAWN: T.W.L.	CHECKED: R.E.F.	SCALE: 1"=50' HOR., 1"=5' VERT.	DATE: AUGUST 1991	PROJ. NO.: 901243	REVISIONS:
					1
					2
					3
					4



THOMAS J. MCCANN, P.E.  
 REG. ENG. No. 25348

PARKPP13  
**18**  
**20**

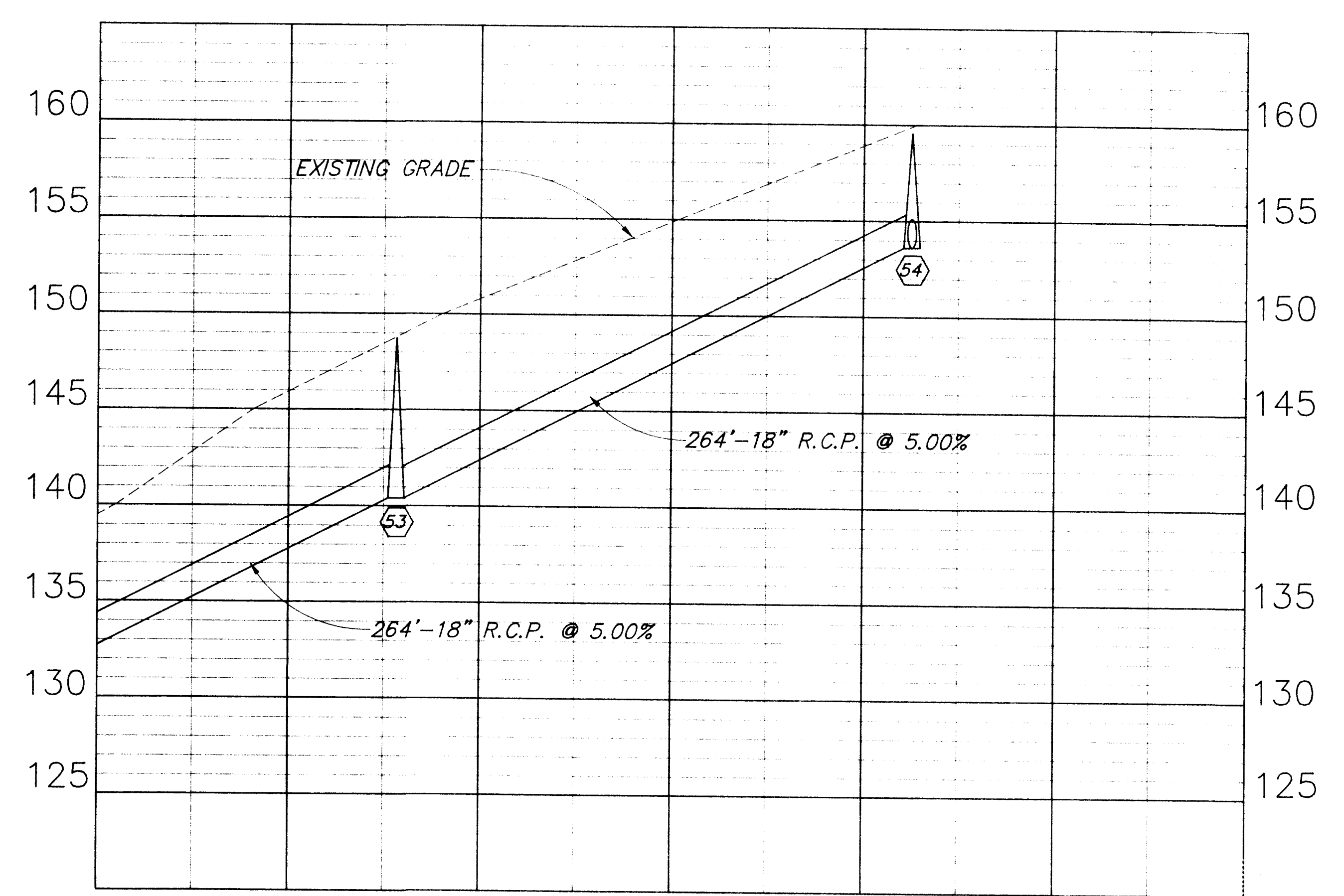
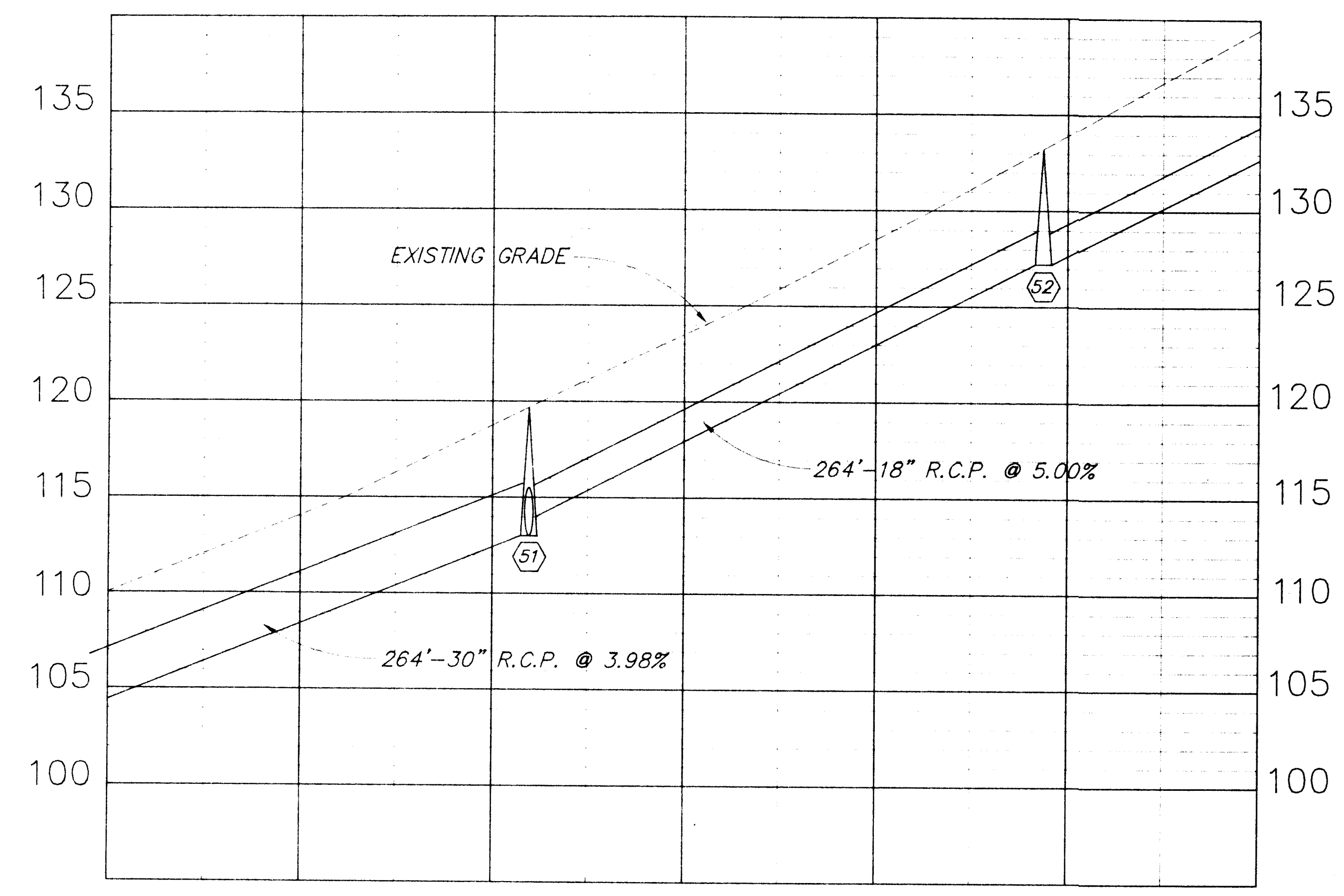
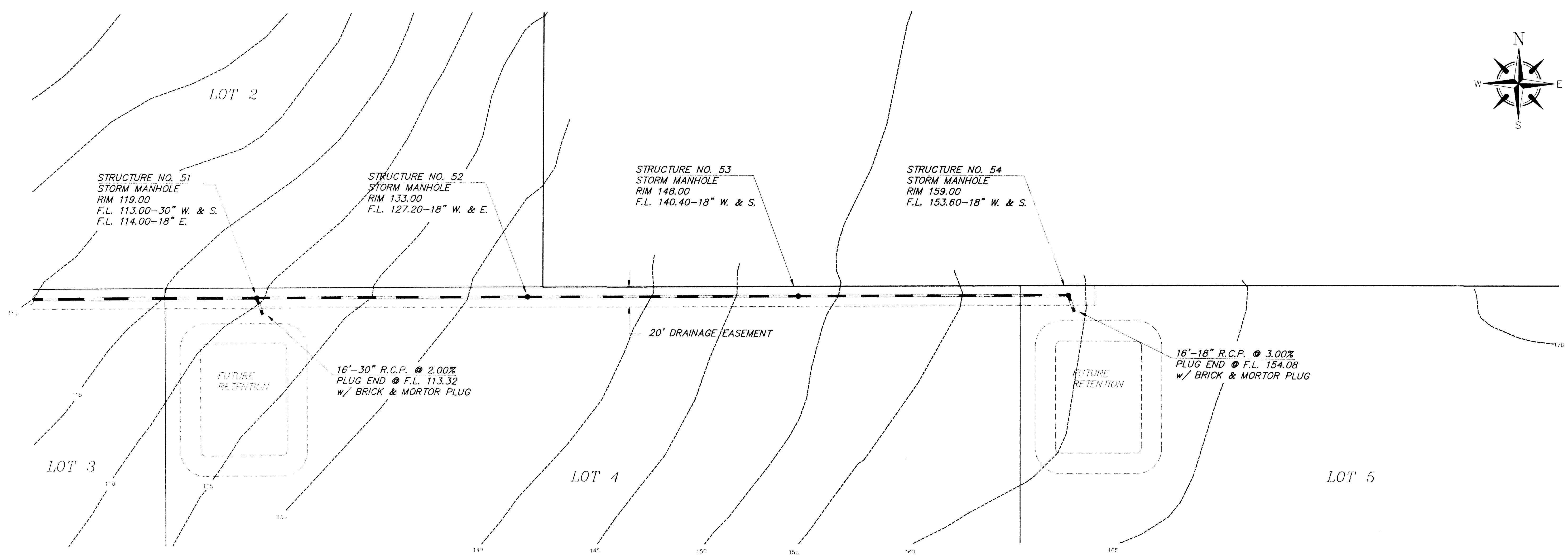


PREPARED FOR : LAKE COUNTY BOARD OF COUNTY COMMISSIONERS  
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 (904) 343-9655

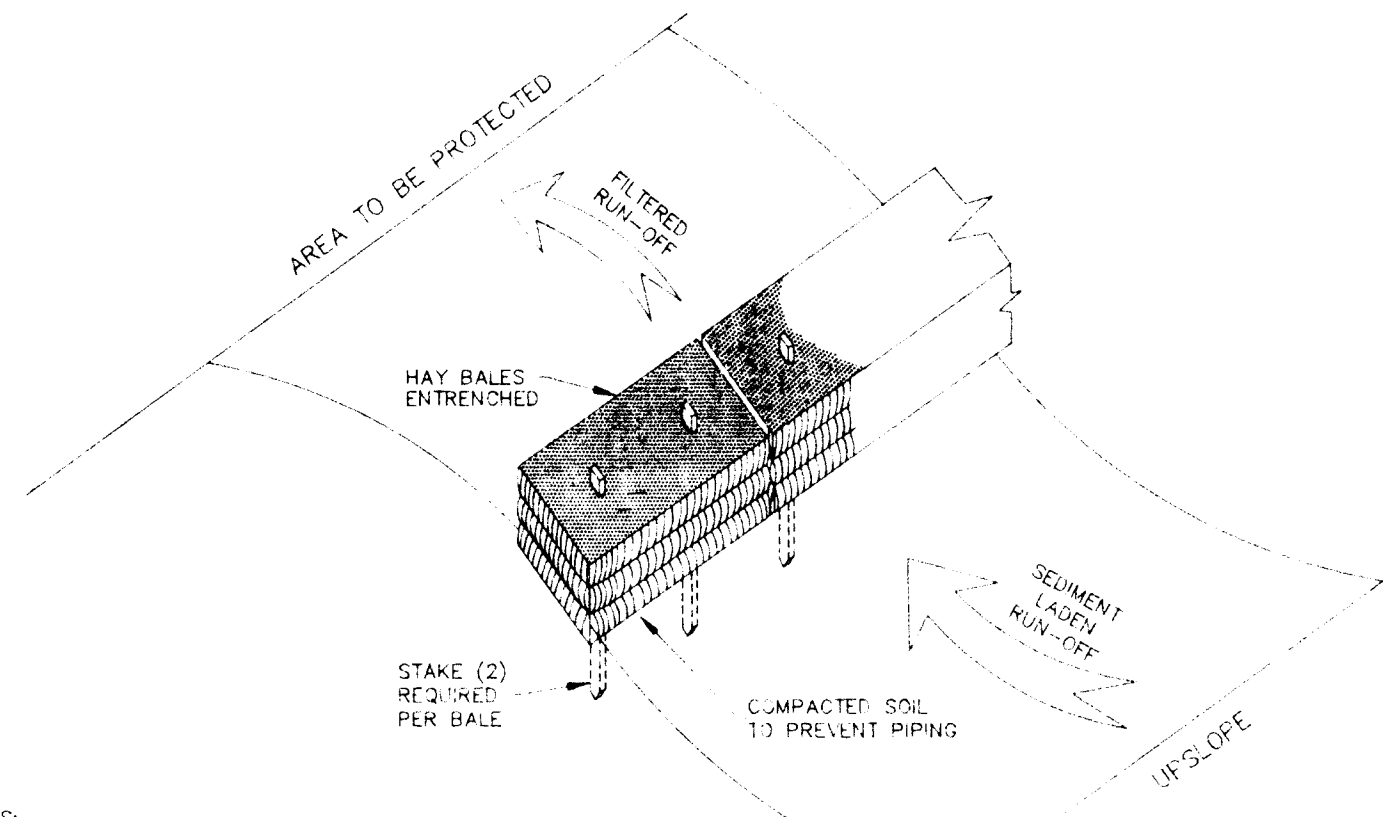
**LAKE COUNTY CENTRAL PARK  
 PLAN-PROFILE**

ENGINEERS  
 SURVEYORS  
 PLANNERS  
**FARNER  
 BARLEY  
 AND ASSOCIATES, INC.**  
 350 North Sinclair Avenue, O. Tavares, Florida 32779  
 (904) 343-6481

DRWN: T.W.L.	1
CHECKD: R.E.F.	4
SCALE: 1"=20' HOR. 1"=5' VERT.	3
DATE: AUGUST 1991	2
PROJ. NO. 901243	1
REVISIONS	



THOMAS J. MCCANN, P.E.  
 REG. ENG. No. 25348



- NOTES:
- TEMPORARY EROSION CONTROL STRUCTURE TO BE UTILIZED DURING CONSTRUCTION AT AHEAD DESIGNATED BY ENGINEER OR AHEAD ON-SITE WHERE UNSTABILIZED GRADES MAY LAUNCE EROSION PROBLEMS. EROSION CONTROL STRUCTURE MAY BE REMOVED AFTER IT SLOPE AREA HAS BEEN STABILIZED BY SOG, OR COMPACTED AS DETERMINED BY CONTRACTOR.
  - ALTERNATE EROSION CONTROL STRUCTURE: WOVEN FILTER FABRIC SILT FENCE IN ACCORDANCE WITH F.O.D.T. INDEX #102. FILTER FABRIC IN ACCORDANCE WITH SECTION 985 OF THE F.O.D.T. STANDARD SPECIFICATIONS.

**EROSION CONTROL STRUCTURE**

THE FOLLOWING LIST REPRESENTS A BASIC EROSION AND SEDIMENT CONTROL PROGRAM WHICH IS TO BE IMPLEMENTED TO HELP PREVENT OFF-SITE SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROJECT.

PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PRACTICABLE TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHOULD BE THE PLACEMENT OF PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT FOR THE INITIAL WORK AREA TO PROTECT THE PROJECT, ADJACENT PROPERTIES AND WATER RESOURCES.

TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED WITH PERMANENT MEASURES TO ASSURE ECONOMICALLY EFFECTIVE AND CONTINUOUS CONTROL THROUGHOUT THE CONSTRUCTION PHASE. TEMPORARY MEASURES SHALL NOT BE CONSTRUCTED FOR EXPEDIENCY IN LIEU OF PERMANENT MEASURES.

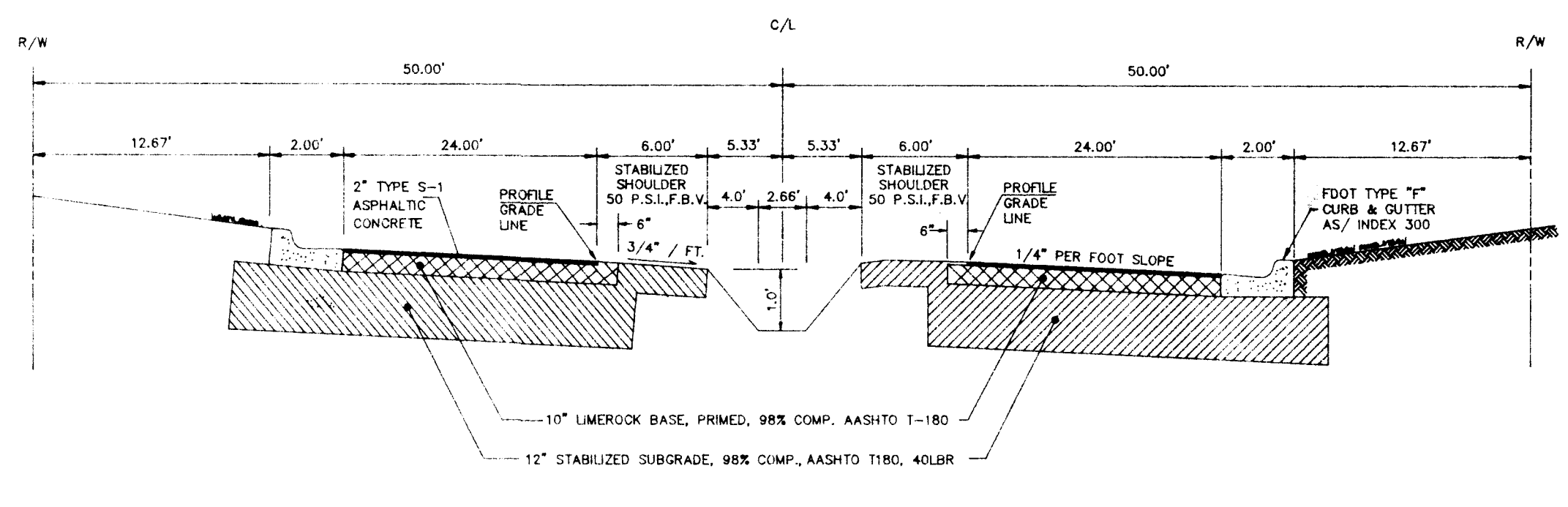
EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THEIR INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT.

NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.

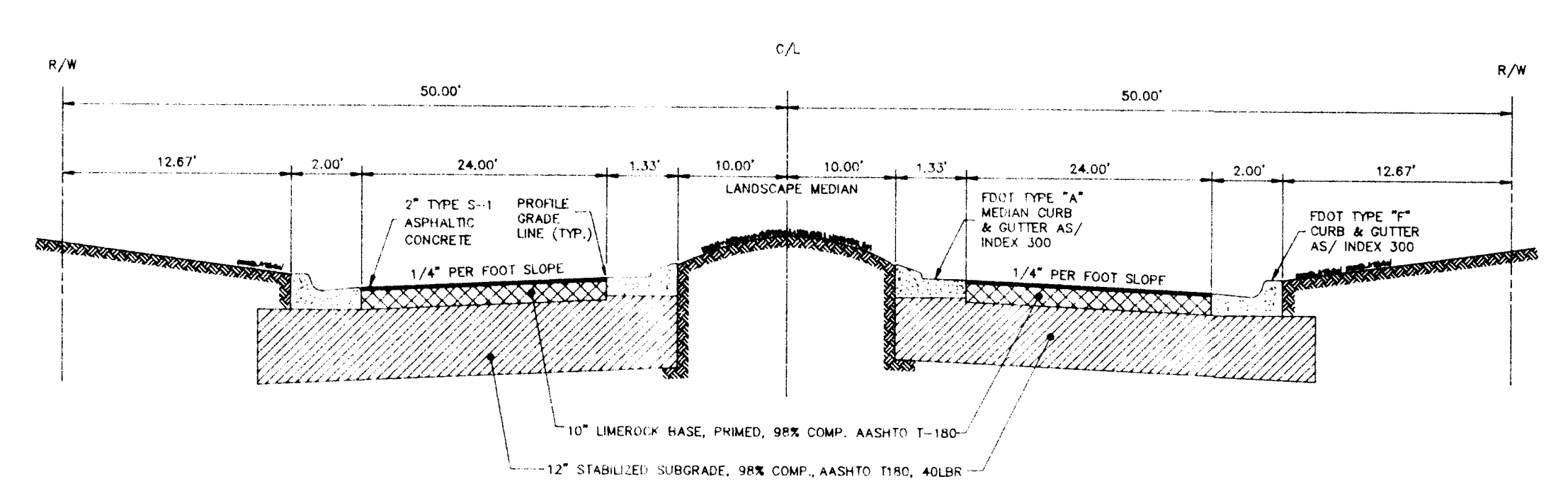
SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHED APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

MATERIAL FROM SEDIMENT TRAPS SHALL NOT BE STOCKPILED OR DISPOSED IN A MANNER WHICH MAKES THEM READILY SUSCEPTIBLE TO BEING WASHED INTO AN ADJACENT WATERCOURSE BY RUNOFF OR HIGH WATER.

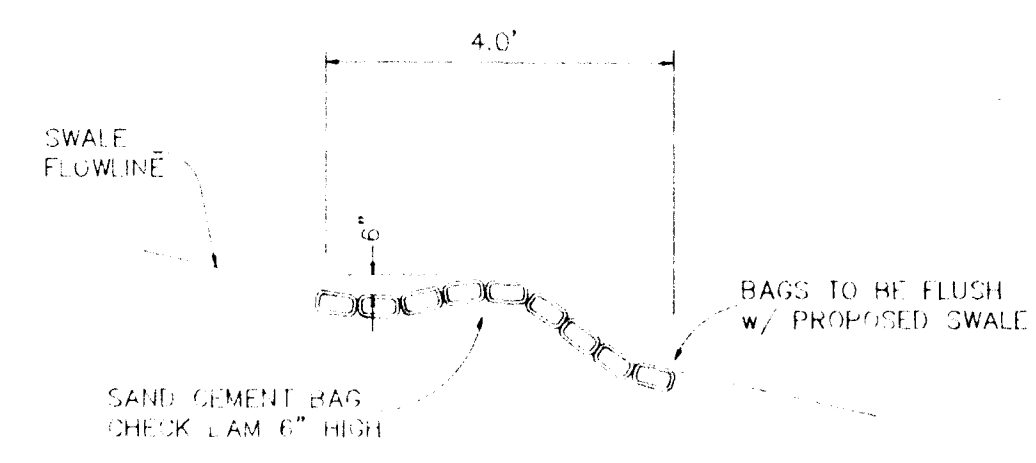
ALL SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIERS ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEED.



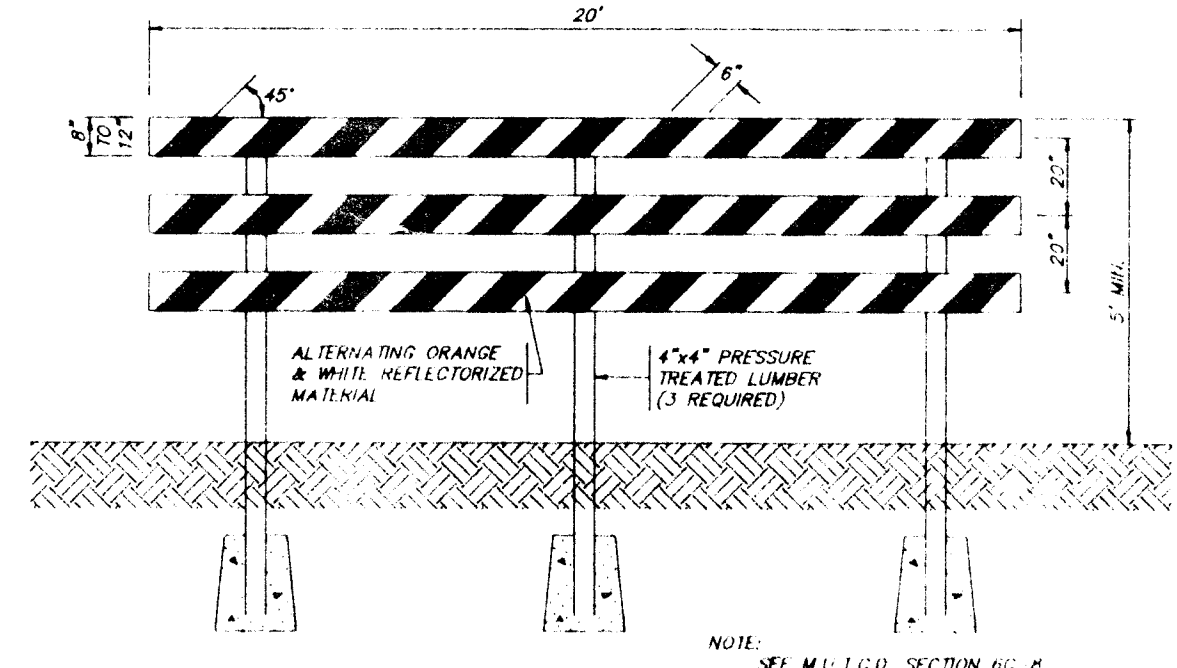
TYPICAL 100' R.O.W. ROADWAY SECTION  
SUPERELEVATED SECTION



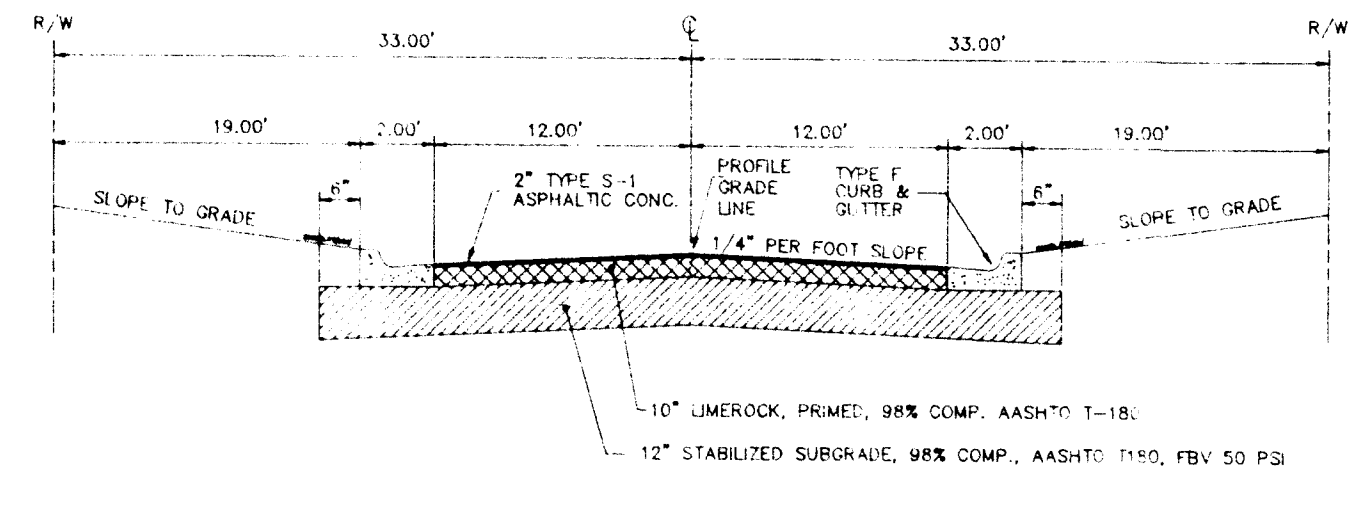
TYPICAL 100' R.O.W. ROADWAY SECTION



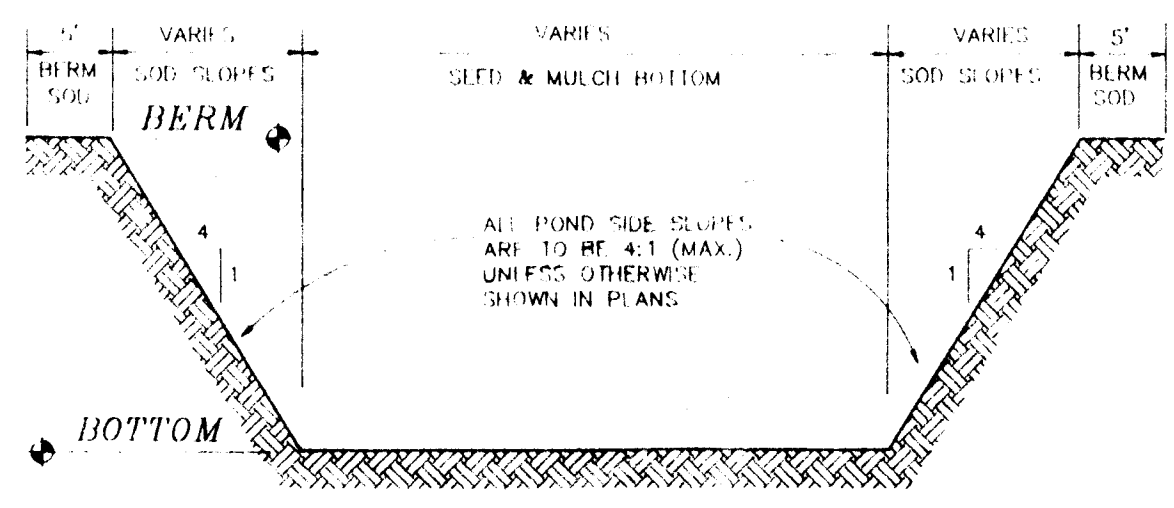
CHECK DAM



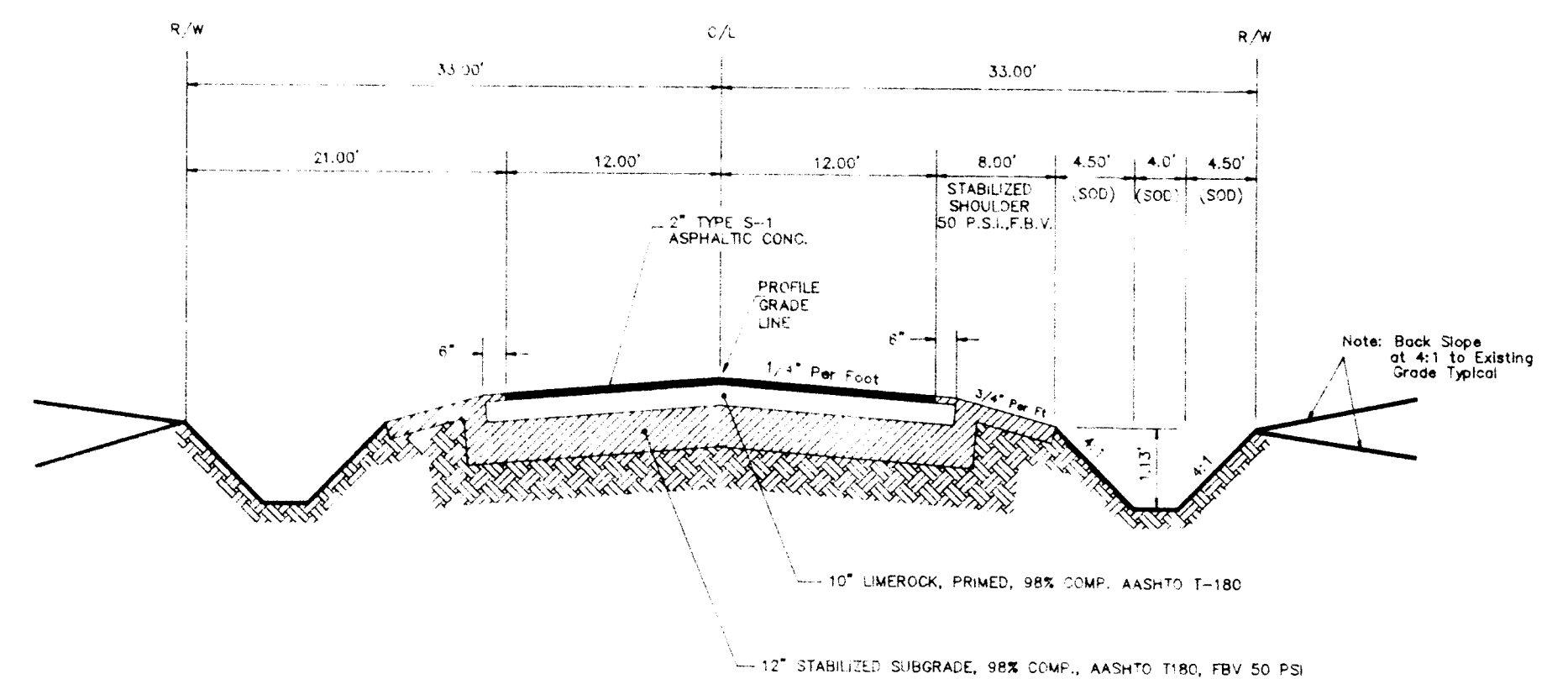
TYPE III TRAFFIC BARRIAGE



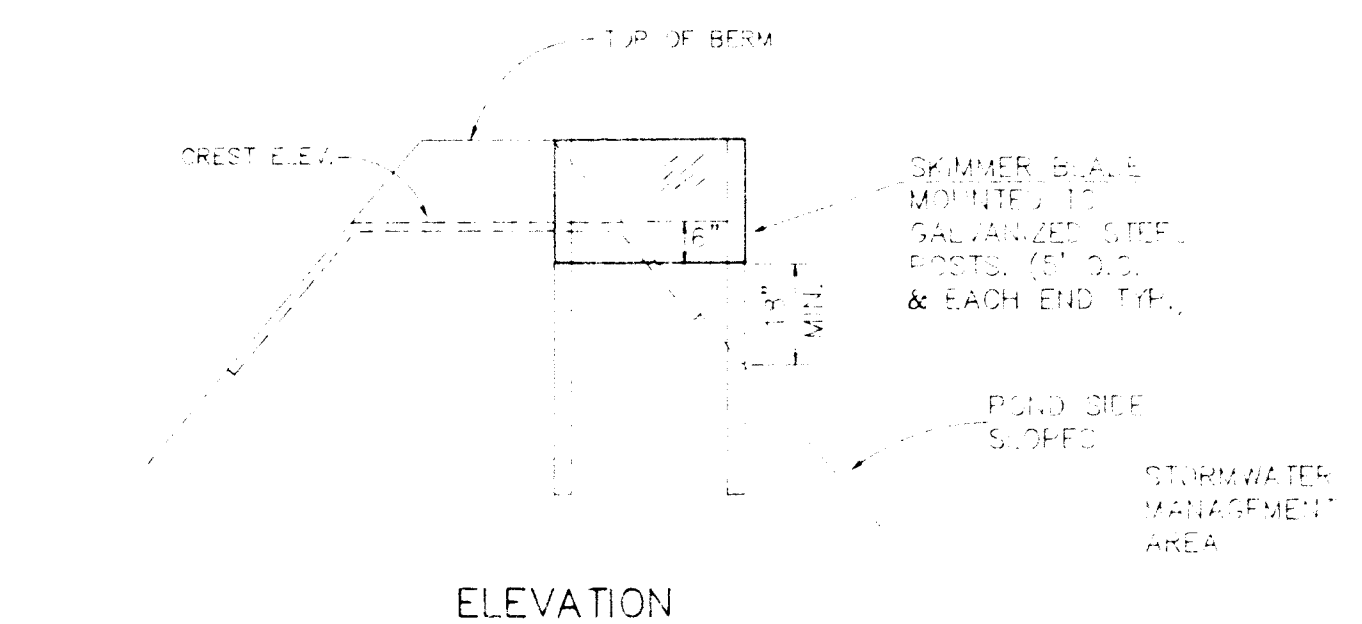
TYPICAL 66' R.O.W. ROADWAY SECTION  
w/ CURB & GUTTER



STORMWATER MANAGEMENT AREA



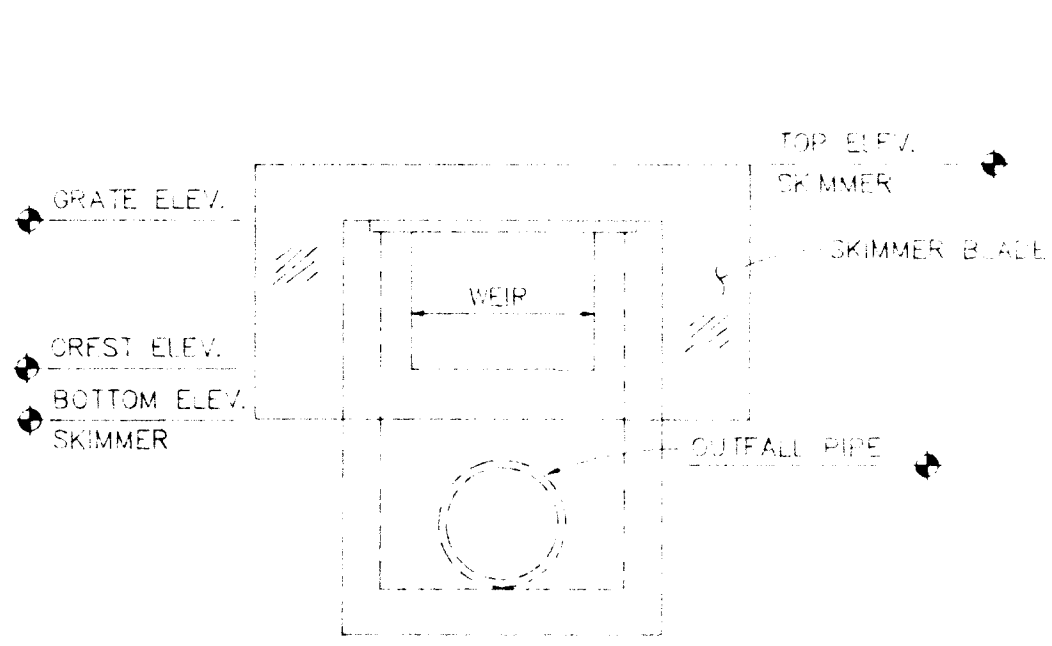
TYPICAL 66' R.O.W. ROADWAY SECTION  
w/ SWALES



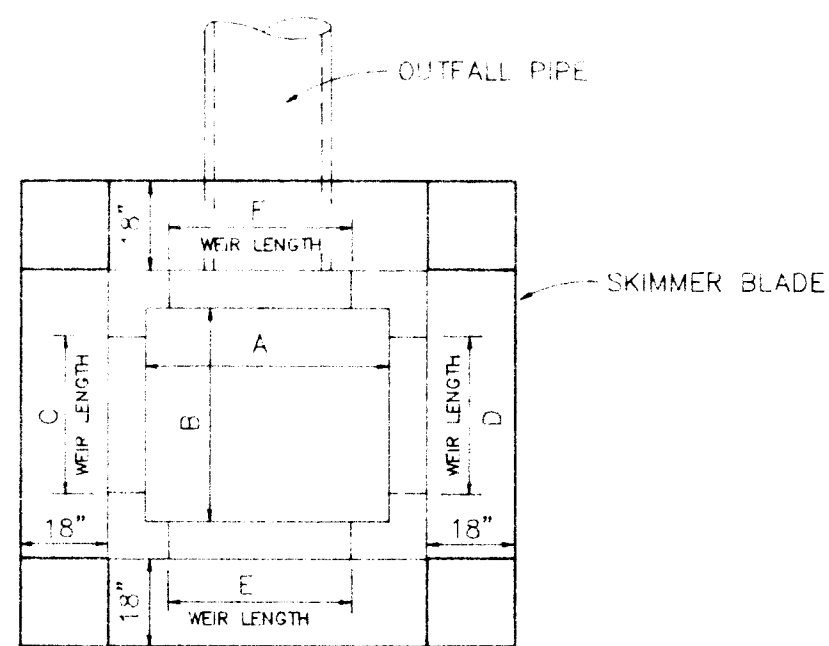
ELEVATION

**STORMWATER MANAGEMENT AREA  
OUTFALL STRUCTURES  
(BROAD CRESTED WEIRS)**

(SEE SHEETS 2.4 & 5 FOR WEIR ELEVATIONS)



ELEVATION



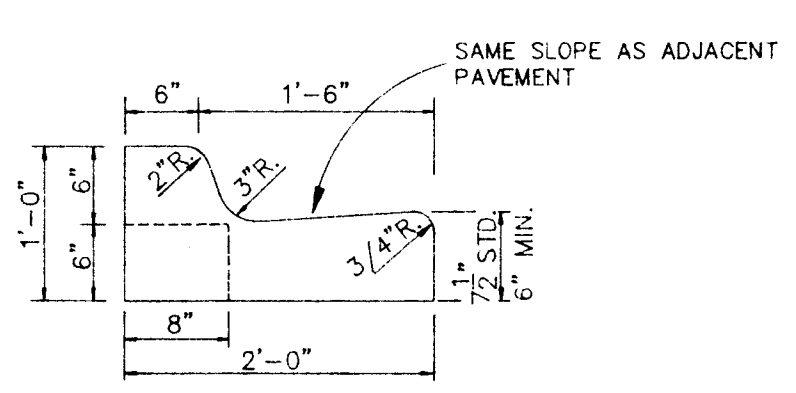
PLAN

S.M.A. NO.	BERM EL.	BOTTOM EL.
S.M.A. NO. 1	94.00	91.00
S.M.A. NO. 27	92.00	87.00
S.M.A. NO. 3	93.00	85.00
S.M.A. NO. 4	130.00	115.00
S.M.A. NO. 5	160.00	153.00
S.M.A. NO. 6	103.00	97.00
S.M.A. NO. 7	109.00	97.00
S.M.A. NO. 8	115.00	108.00
S.M.A. NO. 9	140.00	127.00

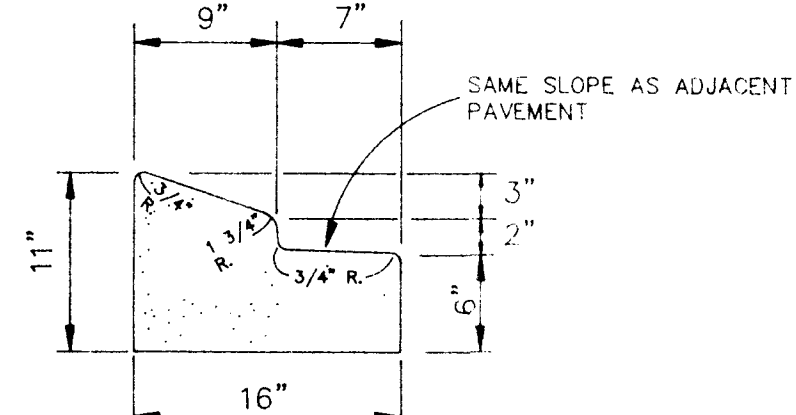
S.M.A. ELEVATIONS

STORMWATER MANAGEMENT AREAS	D.O.T. INDEX NO. 232 (INLET TYPES)	GRATE ELEV.	WEIR DATA						STRUCTURE DIMENSIONS		SKIMMER DATA		OUTFALL PIPE DATA			
			CREST ELEV.	C	D	E	F	TOTAL	A	B	TOP ELEV.	BOT. ELEV.	UPSTREAM FLOWLINE	DOWNSTREAM FLOWLINE	R.C.P. SIZE	LENGTH
NO. 5	TYPE "D"	158.00	N/A	N/A	2.5'	2.5'	5.0'	4'-1"	3'-1"	159.50	157.50	149.00	147.00	24"	68'	
NO. 8	TYPE "D"	113.50	N/A	N/A	4.0'	4.0'	8.0'	4'-1"	3'-1"	115.00	113.00	106.72	106.00	36"	80'	
NO. 9	TYPE "E"	136.85	136.85	3.0'	3.0'	3.5'	3.5'	13.0'	4'-6"	3'-0"	138.35	136.35	130.64	130.00	42"	64'

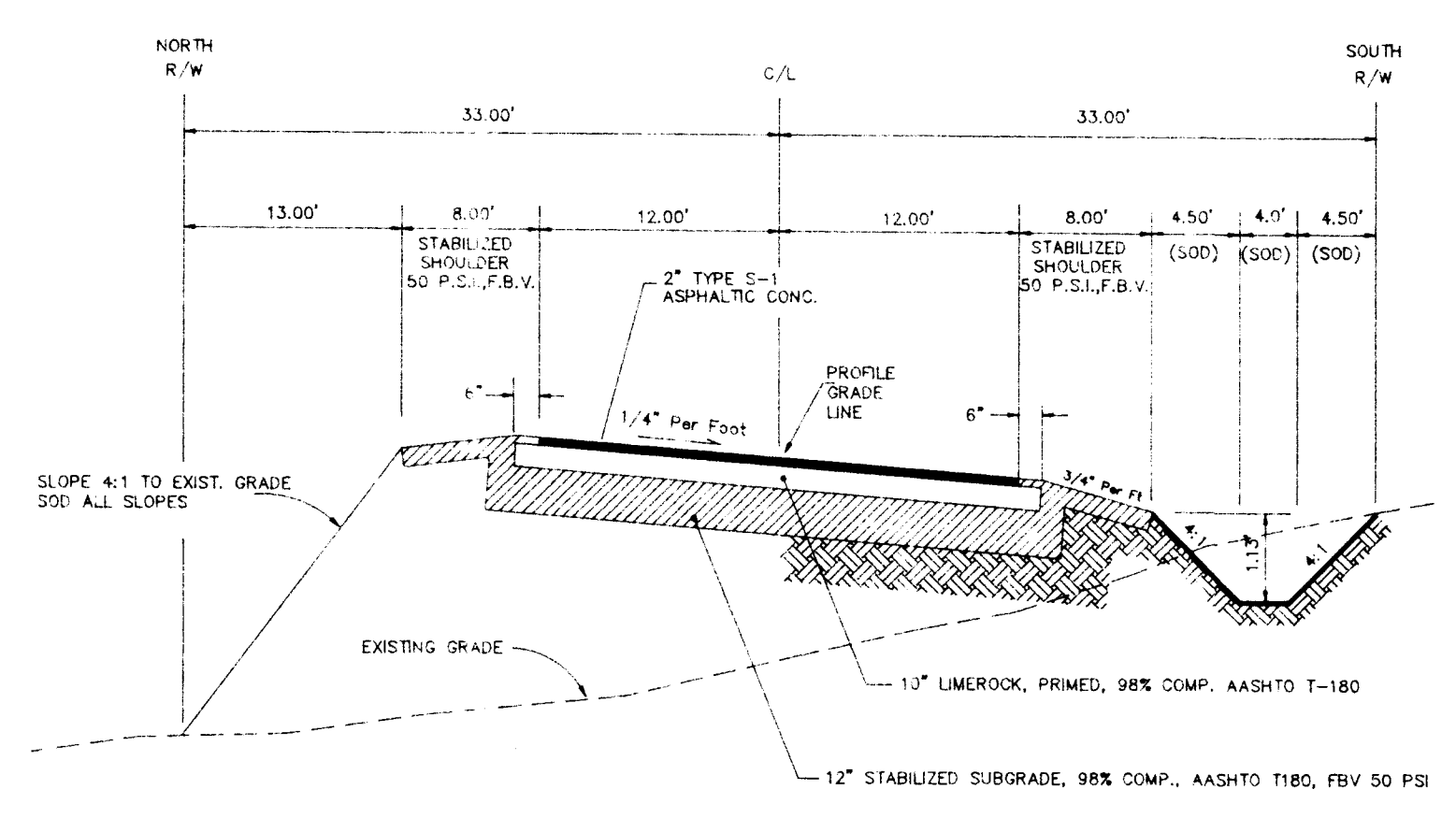
STORMWATER MANAGEMENT AREA  
OUTFALL STRUCTURES  
(INLETS)



STANDARD CURB & GUTTER  
D.O.T. INDEX NO. 300  
TYPE "F"



TYPE "A" MEDIAN CURB  
D.O.T. INDEX NO. 300



66' R.O.W. ROADWAY SECTION  
w/ SWALE ON ONE SIDE  
(AMERICAN WAY STATION 129+50.0  
EAST TO THE INTERSECTION OF O'BRIEN ROAD)

THOMAS J. MCCANN, P.E.  
REG. ENG. No. 25348

LAKE COUNTY BOARD OF COUNTY COMMISSIONERS  
123 N. SINCLAIR AVENUE  
TAVERES, FLORIDA 32778  
(904) 343-9655

PREPARED FOR:

**LAKE COUNTY CENTRAL PARK  
PAVING & DRAINAGE DETAILS**

ENGINEERS SURVEYORS PLANNERS  
**FARNER BARLEY AND ASSOCIATES, INC.**  
350 North Sinclair Avenue O. Taveres, Florida 32778 O. (904) 343-8481

DRAWN: T.W.L.	CHECKED: R.E.F.	SCALE: 1"=20' HORIZ. 1"=4' VERT.	DATE: AUGUST 1981	PROJECT: 901243	REVISIONS:
1	2	3	4	5	6

PARKDET  
**20**  
**20**