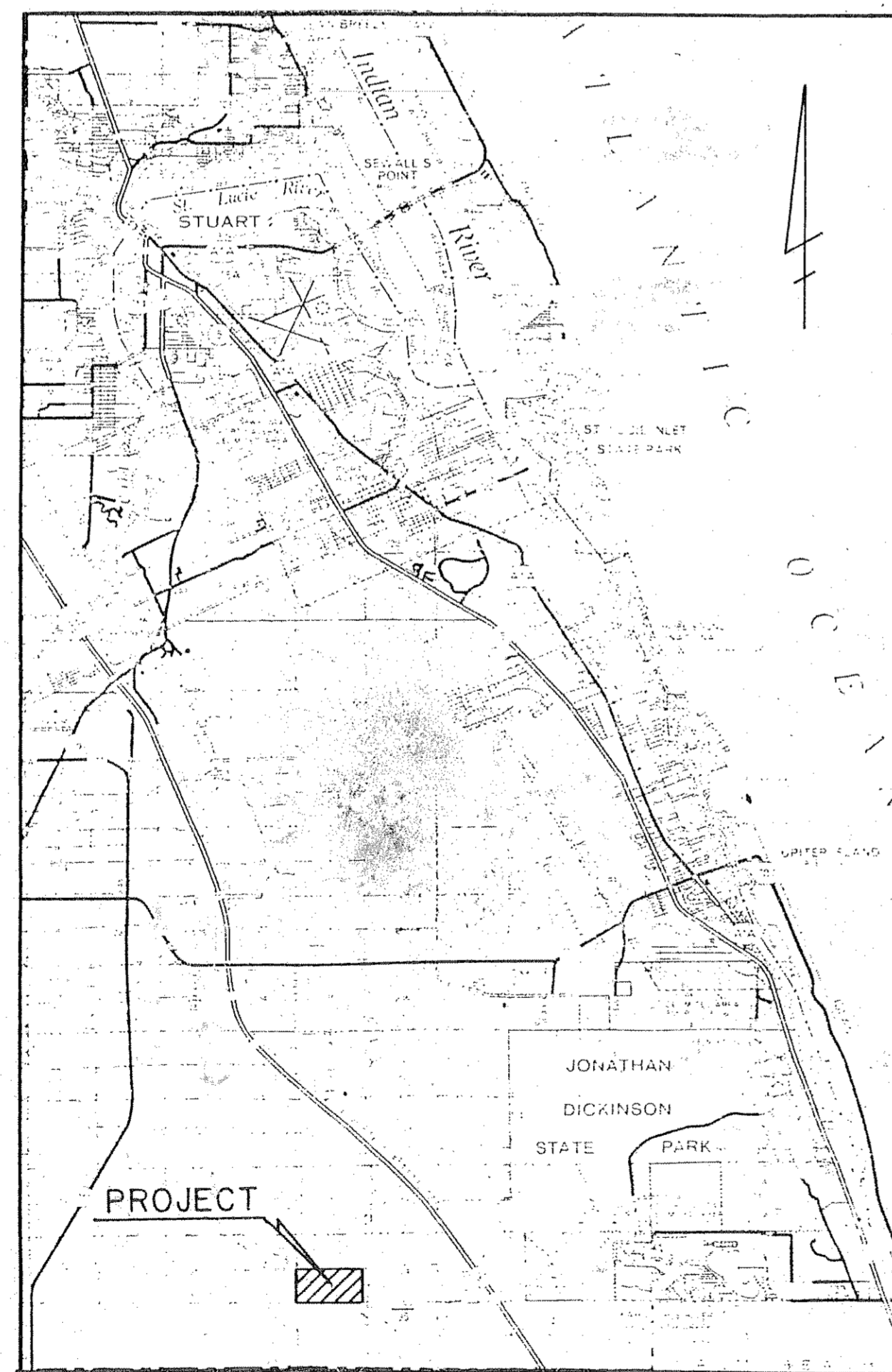


COLONY PARK

PAVING & DRAINAGE

IN PART OF SECTION 23
TWP. 40 S., RGE. 41 E.
MARTIN COUNTY, FLORIDA



LOCATION MAP

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	DEVELOPMENT PLAN
4	ROADWAY DETAILS
5	RUNWAY & TAXIWAY DETAILS
6	CROSS SECTIONS - SOUTHEAST MACK DAIRY ROAD
7-8	ROADWAY PROFILES
9-10	DRAINAGE MAP

NOTES

- 1) Due to environmental constraints and existing topography it is anticipated that the seasonal ponds, roadside swales and culvert inverts will retain water during and after certain rainfall events.
- 2) The contractor shall note that NO construction shall take place within the areas delineated as "seasonal ponds" without prior permission of the engineer. Construction within these areas without written approval from the engineer may subject the contractor to local, state and federal penalties.

65'± Survey Const. 80 L.F. 43'x21' CMPA
(Center on Exist. Road)

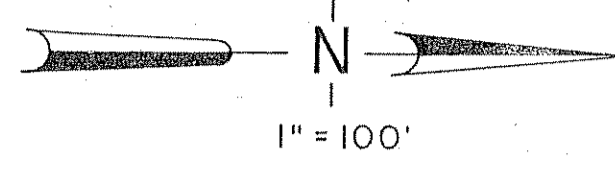
Remove Exist. 72" CMP Culverts
(N.I.C.)

Sta. 4+06.47 Survey (7.5'± R)
Const. 90 L.F. 34"x55" Oval RCP

DAIRY ROAD

ROAD

1/4 SEC. COR.



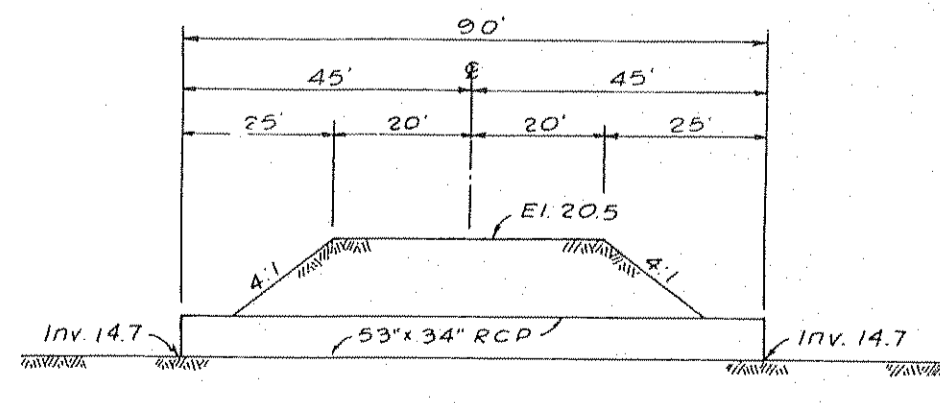
LEGEND

- PROPOSED PAVEMENT (ROADS & RUNWAY)
- PROPOSED GRASS SURFACE (TAXIWAYS)
- SEASONAL PONDS (APPROX. LOCATION)
- PROPOSED INLET & CULVERT PIPE
- PROPOSED CULVERT PIPE W/ ENDWALLS
- DIRECTION OF FLOW
- EXISTING GROUND CONTOUR
- 17.64 EXISTING GROUND SPOT ELEVATION
- 16.5 PROPOSED SPOT ELEVATION
- 187 ROADWAY PROFILE GRADE ELEVATION
- PROJECT BOUNDARY
- STOP SIGN
- YIELD SIGN
- AIRCRAFT SIGN

NOTE: Refer to Plot for Horizontal Control

GENERAL NOTES

1. Where encountered, muck shall be completely removed from the centerline 10 feet beyond the edge of pavement each side of both roadways and runways.
2. Where encountered within swales, hardpan shall be removed for a width of 2 feet at the invert and replaced with granular material.
3. Where encountered within roadways or runways, gumbo or other plastic clays shall be removed within the pavement area 1 foot below the subgrade extending horizontally 6 feet beyond the edge of pavement each side.
4. All fill and backfill within roadway right-of-way and easements and runway easement shall be compacted to a density of not less than 100 percent of the maximum density per AASHTO T-99.
5. All signing and pavement marking shall conform to the "Manual on Uniform Traffic Control Devices".
6. Location of drainage structures shall govern and pipe lengths may have to be adjusted to accomplish construction as shown on these plans.
7. It shall be the contractor's responsibility to establish the existence and location of all underground utilities prior to construction.
8. Based on a 100-year storm, the minimum finished floor elevation is 200 or 18-inches above the crown of road, whichever is higher.
9. All elevations shown hereon refer to NGVD.
10. 96" culvert pipe shall be bituminous coated corrugated steel.
11. All culvert pipe less than 36-inches in diameter shall be helical.
12. Corrugated metal pipe shall be installed in such a manner that will minimize joints under pavement. C.M.P. shall be jointed with a 12-inch side band having a mastic or neoprene gasket providing a watertight joint.
13. All road and drainage construction shall conform to Martin County Regulations and Florida Department of Transportation Standard Specifications for Road and Bridge Construction.
14. These construction plans have been prepared to conform with standards of sound engineering practice. However, no construction should be undertaken until it is assured that all required agency permits have been obtained and that these plans conform to the requirements of such permits.
15. Reinforced concrete pipe and installation thereof shall conform to the requirements of Florida DOT Specifications Sections 941 and 942.
16. Reinforced concrete pipe shall be Class IV Concrete.



SECTION X-X
N.T.S.

1/4 SEC. COR.

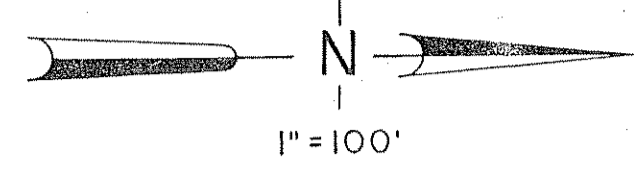
(SEE SHEET 3)

**COLONY PARK - PAVING & DRAINAGE
DEVELOPMENT PLAN
MARTIN COUNTY, FLORIDA**

DESIGNED	TLH
DRAWN	TLH
APPROVED	384
DATE ISSUED	APRIL 1981
JOB NO	80-1671
SHEET	2
OF	10

GEE JENSON
 ENGINEERS ARCHITECTS PLANNERS, INC.

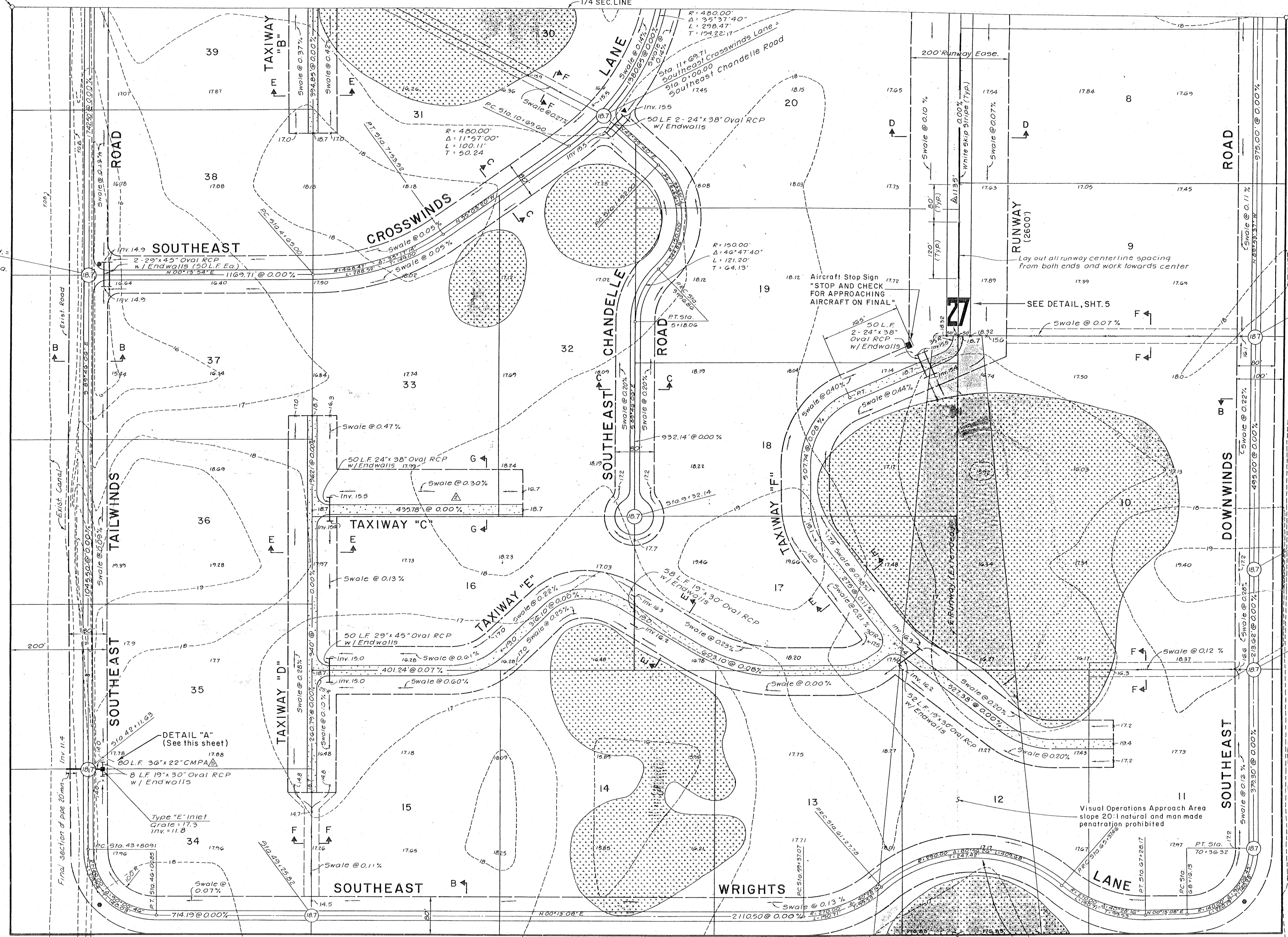
REV	DATE	DESCRIBE
1	4-1-81	Rev. Profile G
2	4-2-81	Rev. Profile G
3	4-20-81	Shaded
4	4-20-81	Shaded



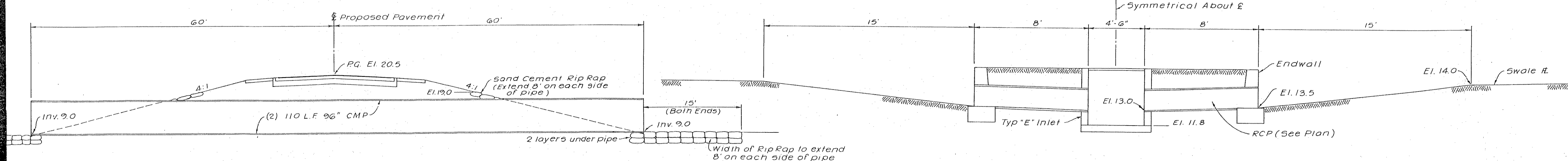
1/4 SEC. COR

(SEE SHEET 2)

1/4 SEC. LINE



Outer Elevation = 82.0'
Maximum Utility elevation within Approach Area of Tailwinds Road = Elev. 82.0'



CULVERT CROSSING - MACK DAIRY ROAD
N.T.S.

DETAIL "A"
N.T.S.

NOTE:
Contractor may use Single Endwalls at all twin pipe locations.
Shop Drawings to be submitted to the Engineer for approval.

REV	DATE	DESCRIPTION
1	9-9-81	Rev. Cond. 1000 on South
2	9-9-81	Rev. Cond. 1000 on South
3	9-9-81	Rev. Per Co. Engr. 10
4	9-9-81	Added Horiz. Control 10
5	4-24-81	To the Runway "C"



COLONY PARK - PAVING & DRAINAGE
DEVELOPMENT PLAN
MARTIN COUNTY, FLORIDA

DESIGNED
TLH
HJW
DRAWN
TLH

APPROVED
CJD

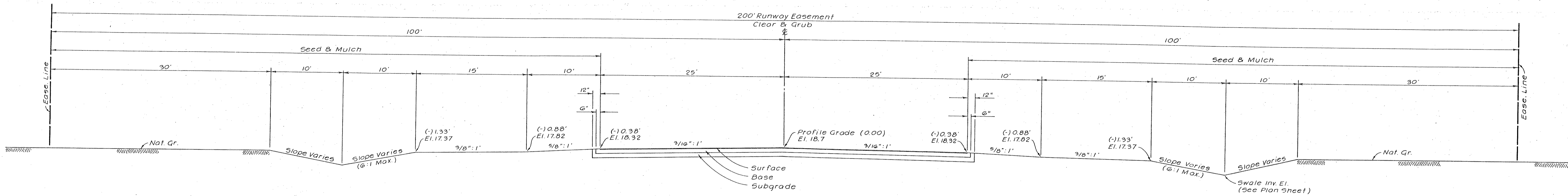
DATE ISSUED
APRIL 1981

JOB NO.
80-1671

SHEET
3

OF
10

BRUNING 44-32-4379-1

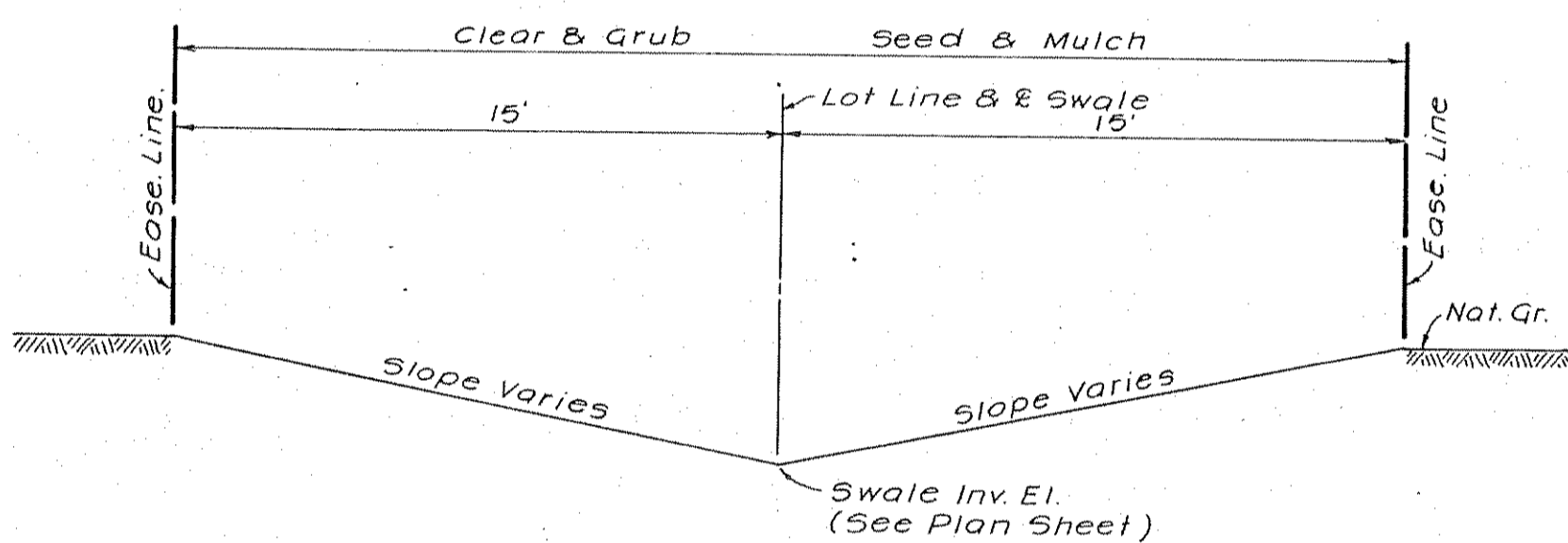


SURFACE: 2" Type "S-I" A.C.S.C.
 BASE: 5" Approved Limerock or Shell compact to 98% per AASHTO T-180
 SUBGRADE: 6" Compacted Granular Material (98% per AASHTO T-180 Test Method C)

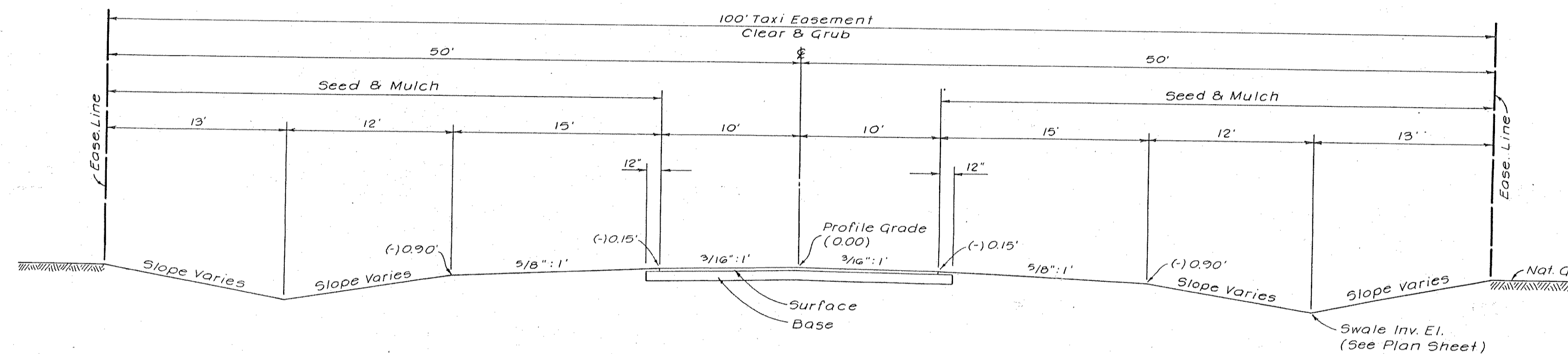
SECTION D-D
 RUNWAY
 1"=6'



RUNWAY MARKING DETAIL
 1"=20'

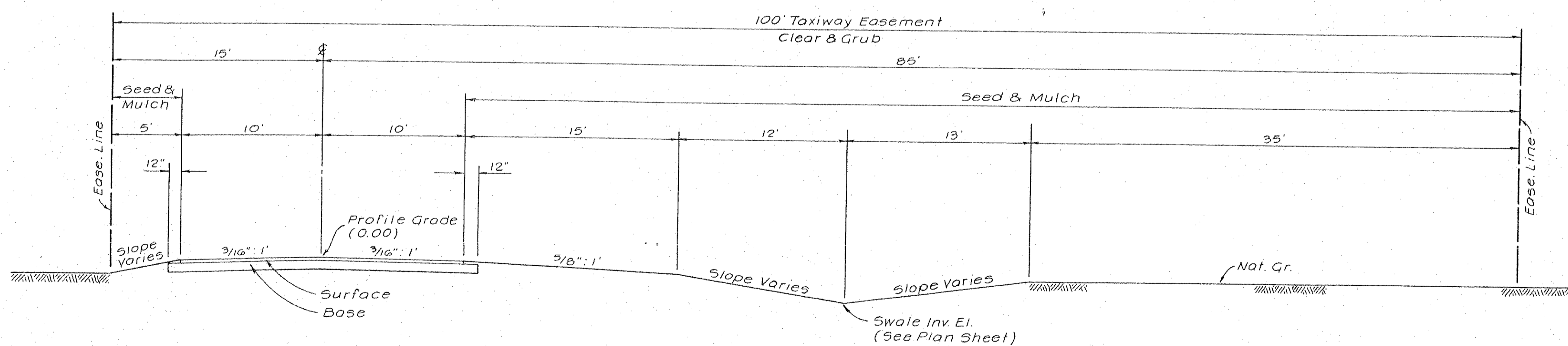


SECTION F-F
 LOT LINE SWALE
 NTS



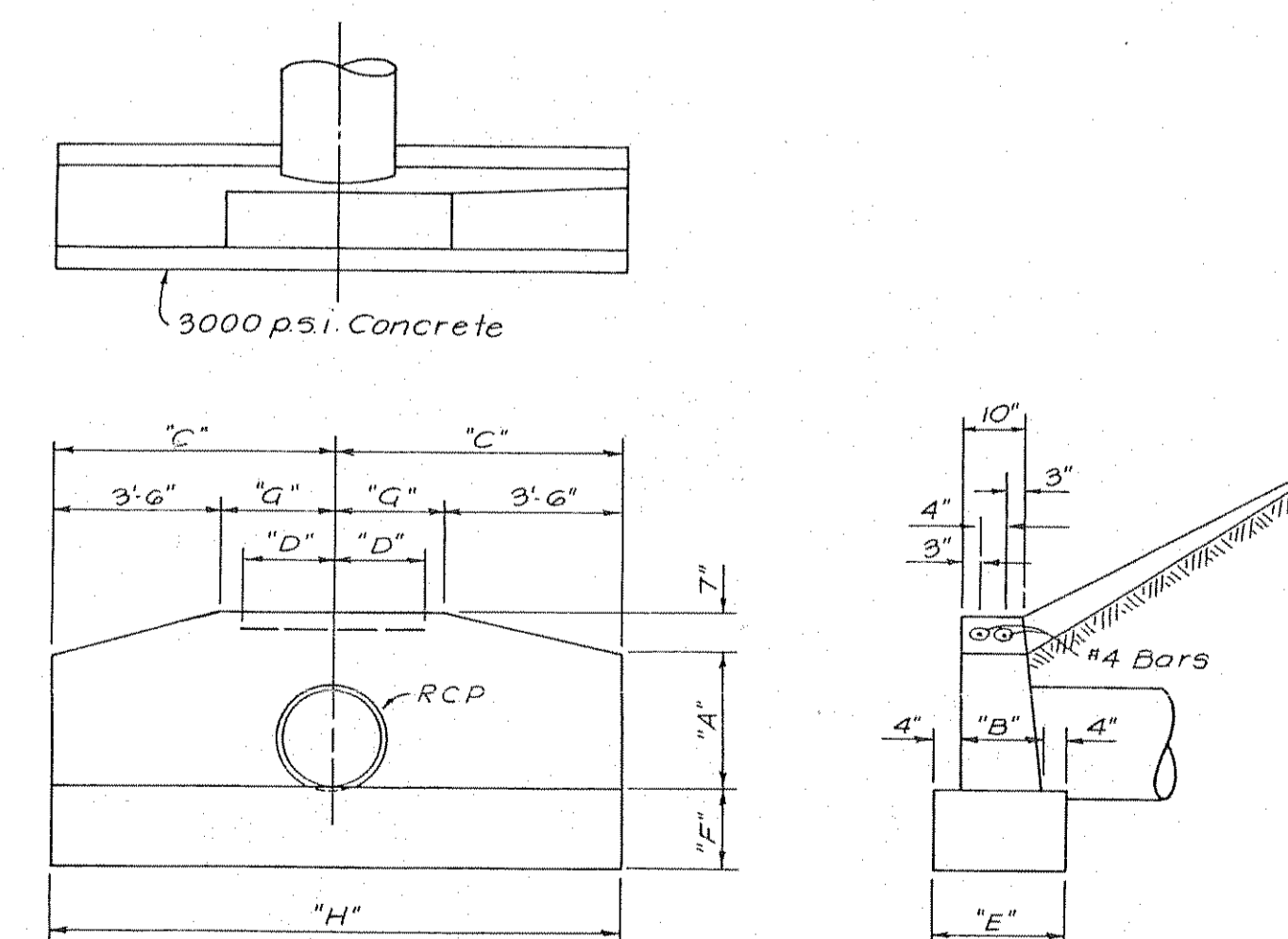
SURFACE: Seed & Mulch or Guaranteed Seed
 BASE: 6" Stabilized Material (Stabilization to be determined by First Sun Castle Corporation)
 NOTE: Portion of Taxiway "A" shall be located as shown on Plan.

SECTION E-E
 TAXIWAY
 1"=6'



SURFACE: Bahia Sod on 2" Topsoil
 BASE: 5" Compacted Shell

SECTION G-G
 TAXIWAY "C"
 1"=6'



PIPE SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
19" x 30"	1'-9"	1'-6"	6'-6"	2'-6"	2'-2"	1'-4"	3'-0"	13'-0"
24" x 38"	2'-2"	1'-8"	7'-0"	3'-2"	2'-4"	1'-6"	4'-4"	15'-8"
29" x 45"	2'-8"	2'-0"	8'-9"	3'-9"	2'-8"	1'-6"	5'-3"	17'-6"

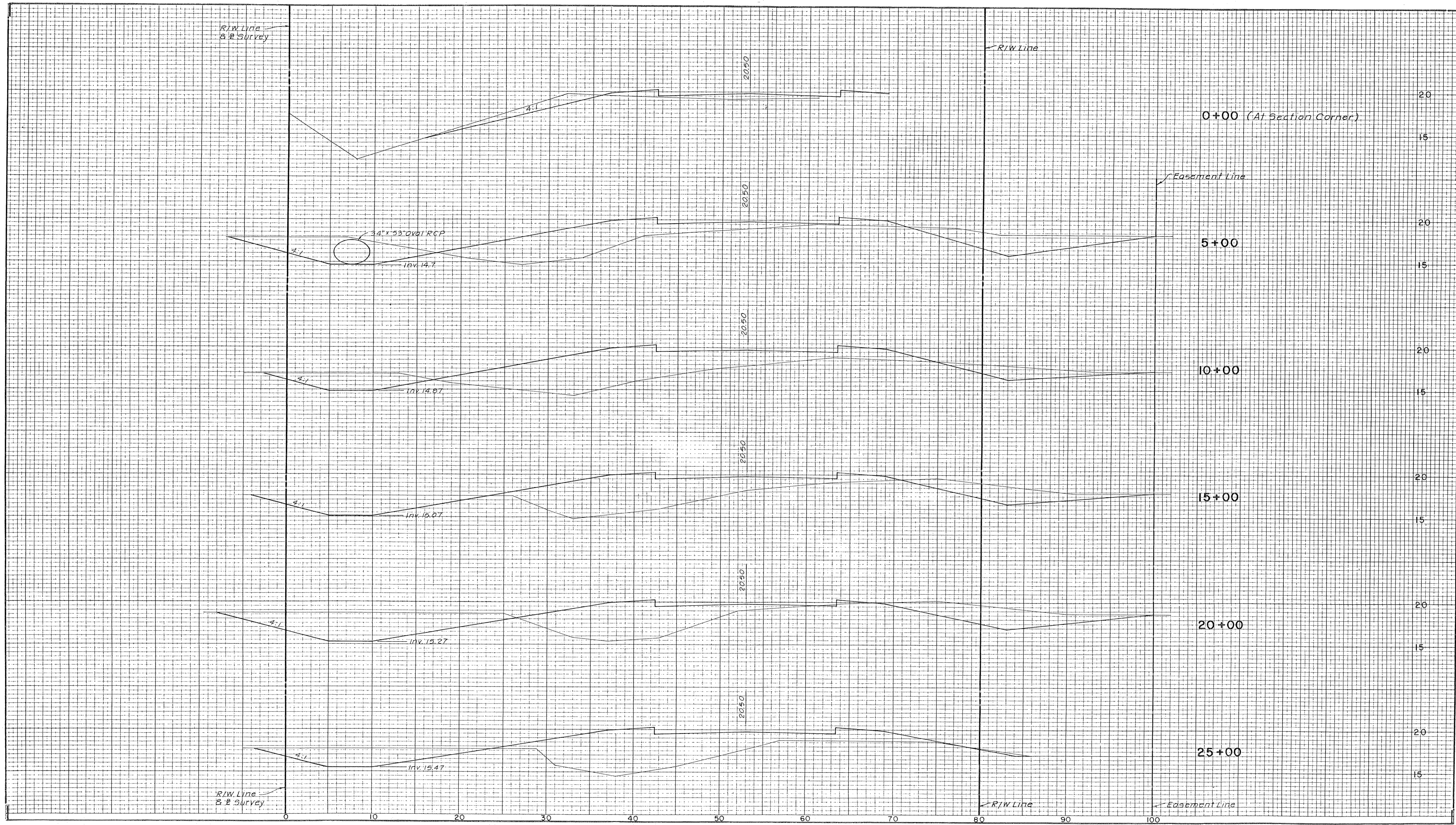
CONCRETE ENDWALL

COLONY PARK - PAVING & DRAINAGE
 RUNWAY & TAXIWAY DETAILS
 MARTIN COUNTY, FLORIDA

GEE JENSON
 ENGINEERS - ARCHITECTS - PLANNERS, INC.

NO.	DATE	REV.	DESCRIPTION
1	10-7-81	Δ	Rev. Base Material from 6" to 5" Thick
2	4-22-81	Δ	Offset Runway "C"

DESIGNED TLH
 DRAWN TLH
 APPROVED C. B. J.
 DATE ISSUED APRIL 1981
 JOB NO. 80-167.1
 SHEET 5 OF 10

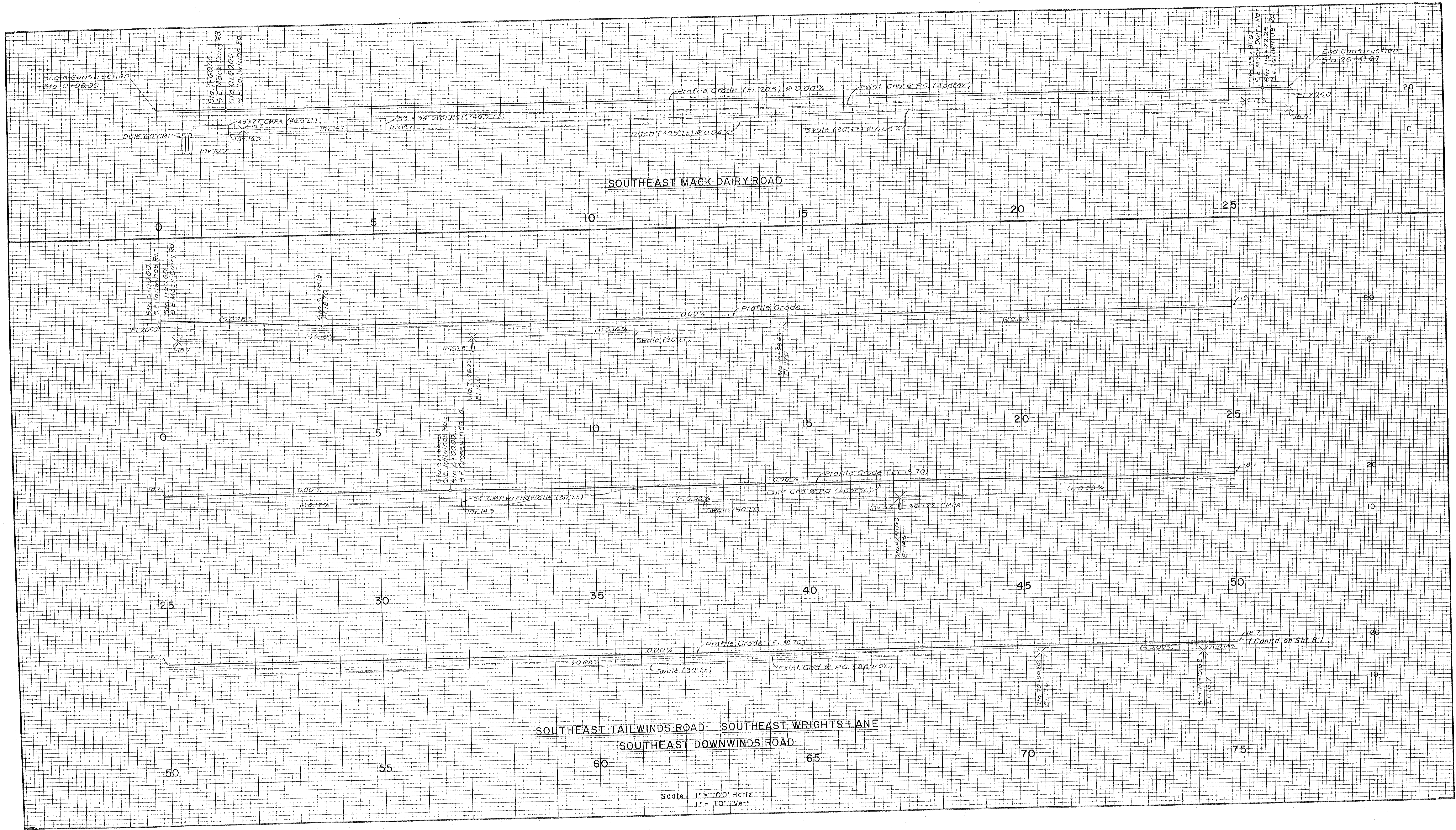


REV	DATE	DESCRIPTION
4-29-81		Rev Profile Grade



COLONY PARK - PAVING & DRAINAGE
 CROSS SECTIONS - S.E. MACK DAIRY ROAD
 MARTIN COUNTY, FLORIDA

DESIGNED	TLH
DRAWN	TLH
APPROVED	<i>[Signature]</i>
DATE ISSUED	APRIL 1981
JOB NO.	80-167.1
SHEET	6
OF	10



COLONY PARK - PAVING & DRAINAGE
 ROADWAY PROFILES
 MARTIN COUNTY, FLORIDA



1000 W. UNIVERSITY BLVD., SUITE 200
 MARTIN COUNTY, FLORIDA 32908

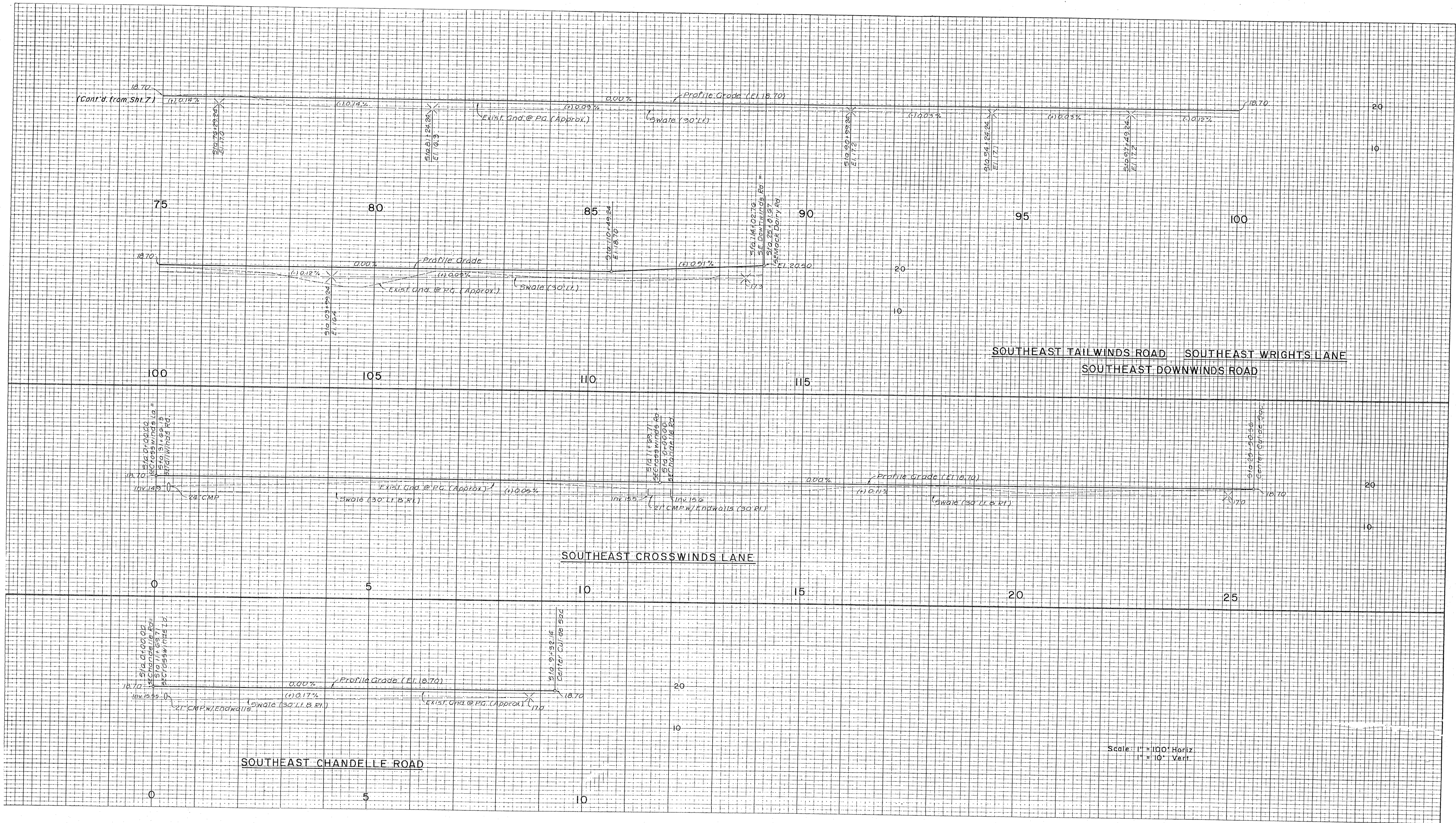
REV	DATE	DESCRIPTION
1	04/18/81	Added Sht. 16 Plans

DESIGNED
 TLH
 DRAWN
 TLH
 APPROVED

DATE ISSUED
 APRIL 1981

JOB NO.
 80-1671

SHEET
 7
 OF
 10

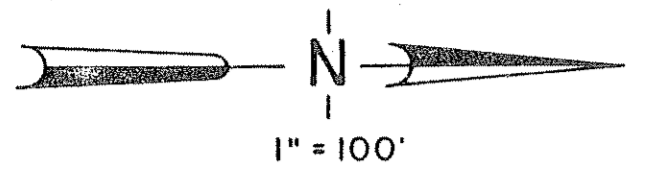


COLONY PARK - PAVING & DRAINAGE
ROADWAY PROFILES
MARTIN COUNTY, FLORIDA

DESIGNED
TLH
DRAWN
TLH
APPROVED
DATE ISSUED
APRIL 1981
JOB NO.
80-1671
SHEET
8
OF
10



REV	DATE	DESCRIPTION
5	5-8-81	Added sh/ to Plans



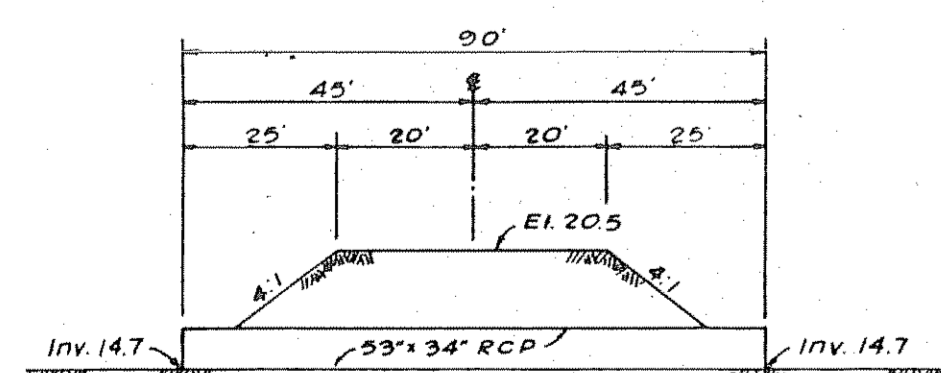
LEGEND

- PROPOSED PAVEMENT (ROADS & RUNWAY)
- PROPOSED GRASS SURFACE (TAXIWAYS)
- SEASONAL PONDS (APPROX LOCATION)
- PROPOSED INLET & CULVERT PIPE
- PROPOSED CULVERT PIPE W/ ENDWALLS
- DIRECTION OF FLOW
- EXISTING GROUND CONTOUR
- EXISTING GROUND SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- ROADWAY PROFILE GRADE ELEVATION
- PROJECT BOUNDARY
- STOP SIGN
- YIELD SIGN
- AIRCRAFT SIGN

NOTE Refer to Plot for Horizontal Control

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SECTION X-X
N.T.S.

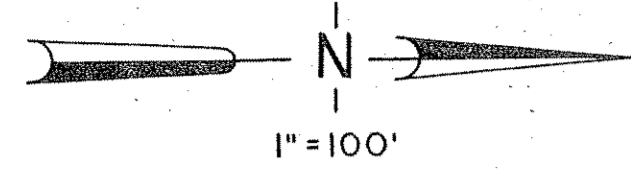
NO.	DATE	DESCRIPTION
1	5-6-81	Added 2nd 1/4 Sec. 24
2	5-4-81	Added 1st 1/4 Sec. 24
3	4-29-81	Rev. Profile Contour
4	4-20-81	Added 2nd 1/4 Sec. 24
5	4-20-81	Added 1st 1/4 Sec. 24

GEE GENSON
ENGINEERS - ARCHITECTS - PLANNERS, INC.

COLONY PARK - DRAINAGE MAP
DEVELOPMENT PLAN
MARTIN COUNTY, FLORIDA

DESIGNED TLH	DATE ISSUED APRIL 1981
H.W. DRAWN TLH	JOB NO. 80-167.1
APPROVED 284	SHEET 9
	OF 10

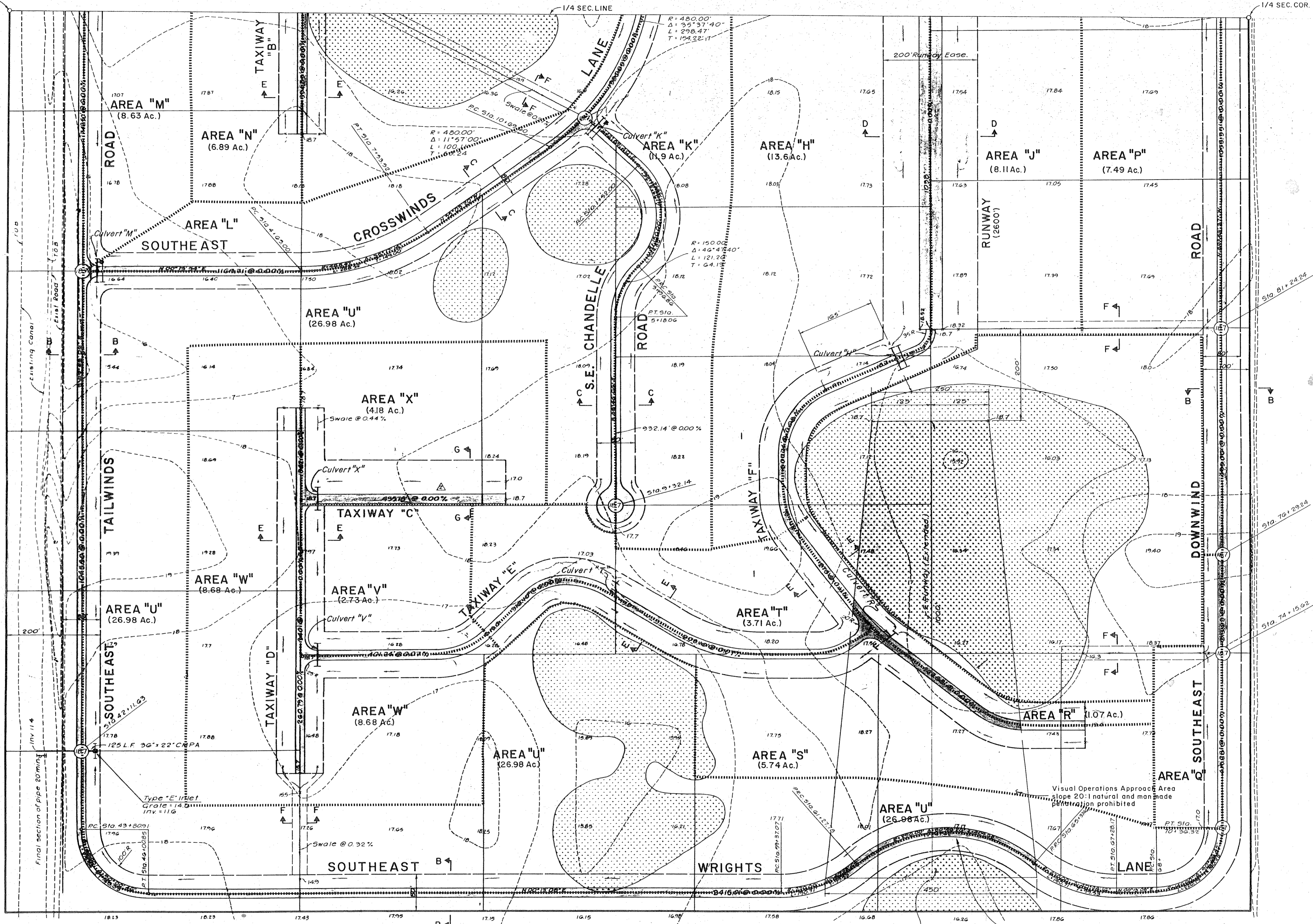
BRUNING 44-132-43749



1/4 SEC. COR

(SEE SHEET 2)

1/4 SEC. COR



Outer Elevation = 68.71
 Maximum Utility elevation within Approach Area of Tailwinds Road = Elev. 62.0'

REV	DATE	DESCRIPTION
1	5-4-81	Added 5th to Plans
2	5-4-81	Added 6th to Plans
3	4-24-81	Added 7th to Plans
4	10-17-81	Added 8th to Plans



COLONY PARK - DRAINAGE MAP
 DEVELOPMENT PLAN
 MARTIN COUNTY, FLORIDA

DESIGNED	TLH
DRAWN	TLH
APPROVED	<i>TLH</i>
DATE ISSUED	APRIL 1981
JOB NO.	80-167.1
SHEET	10
OF	10