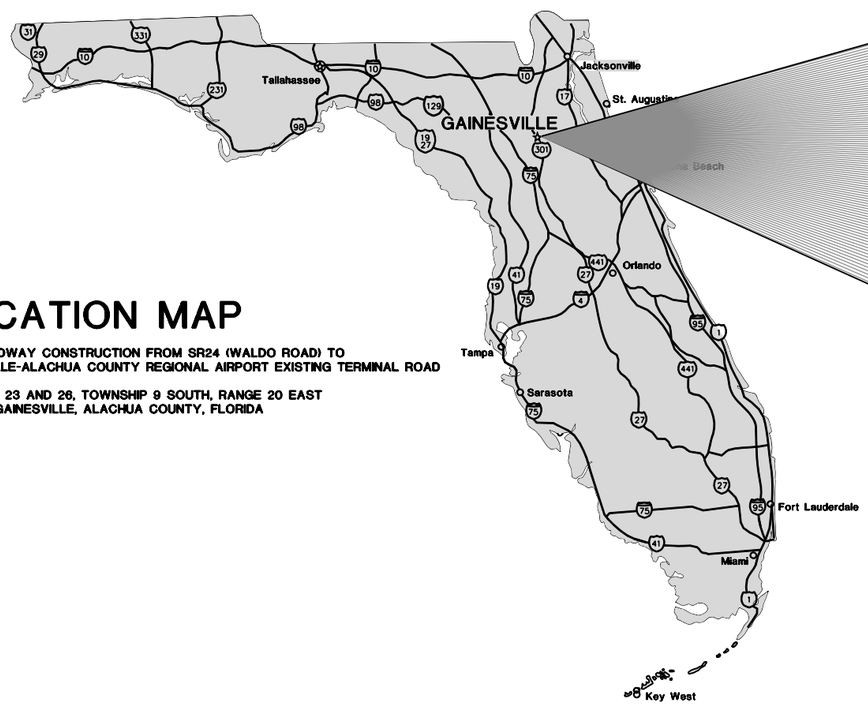
GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FLORIDA

ACCESS ROAD

FPN NO. 207614-4-38-01

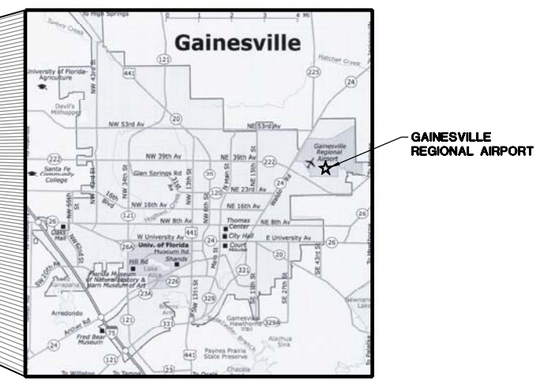
GAINESVILLE REGIONAL AIRPORT



LOCATION MAP

NEW ROADWAY CONSTRUCTION FROM SR24 (WALDO ROAD) TO
GAINESVILLE-ALACHUA COUNTY REGIONAL AIRPORT EXISTING TERMINAL ROAD

SECTIONS 23 AND 26, TOWNSHIP 9 SOUTH, RANGE 20 EAST
CITY OF GAINESVILLE, ALACHUA COUNTY, FLORIDA



VICINITY MAP

60% PLANS

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C008	TYPICAL CROSS SECTIONS
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C032–C037	EROSION CONTROL DETAILS
C038–C043	PAVEMENT MARKING & SIGNING DETAILS
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C045	CULVERT GENERAL PLAN
C046	CULVERT GENERAL PLAN
C047	CULVERT GENERAL PLAN
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T002	STRUCTURE DATA TABLE
T003	EROSION & SEDIMENT CONTROL TABLE
T004	SHEET SIGN TABLE
XS001–XS025	CROSS SECTIONS – LINE C
XS026–XS052	CROSS SECTIONS – LINE D

NO.	DATE	REVISIONS	BY	APPR.
3				
2				
1				

Professional Engineer of Record:

Rachel M. Henry — Engineer — 64455 Florida P.E. No.

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2004 TO BE USED WITH THESE PLANS.

ACCESS ROAD

GAINESVILLE REGIONAL AIRPORT - GAINESVILLE, FL

JOB NO.	20066220	DRAWN	SAJ	CHECKED	TF
DATE	01-18-08	DESIGNED	RMH	APPROVED	RMH

ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6088
Certificate of Authorization #8455

C001

IMAGE FILES : CN-2.jpg, Gainesville Graphic1.jpg
XREFERENCES : XRGA-TBLK;
FILE NAME : U:\Transportation\20044220 North East 42nd Terrace\30 SheetDrawings\20 Singles\TITLE.dwg / TITLE SHEET
MND\MT : 08-FEB-08, 10:30:07 / woodcock

UTILITY PROVIDERS

WATER, WASTEWATER, ELECTRIC, GRUCOM, AND GAS SERVICES

GAINESVILLE REGIONAL UTILITIES (GRU)
PO BOX 147117
301 SE 4TH AVENUE
GAINESVILLE, FLORIDA 32614-7117
(352) 343-1644
CONTACT PERSON: ELLEN UNDERWOOD
UTILITY COORDINATOR

TELEPHONE SERVICES

BELLSOUTH ENGINEERING
(352) 331-9104
CONTACT PERSON: MIKE DINA

CABLE SERVICES

COX COMMUNICATIONS
(352) 337-2122
CONTACT PERSON: LARRY TAYLOR

BENCHMARK DATA

ELEVATION BENCHMARK
USC&GS BENCHMARK "S 146"
BRASS DISK IN CONCRETE POST
STAMPED "S 146 1954"
TOP DISK ELEV=169.19' (PROJECT SURVEY)
USC&GS POSTED ELEV=159.33' (NAVD88)
N=257169.9551
E=2671367.2904

ELEVATION BENCHMARK
USC&GS CONCRETE MARKER WITH BRASS DISK
STAMPED "AP 1964 STA A"
ELEVATION=152.39'
N=257505.2400
E=2672341.5400
(NAD83-1999 DATUM)

ELEVATION BENCHMARK
STORM MANHOLE
TOP OF NORTH RIM ELEV=143.21'
N=255752.6984
E=2673924.8946

GENERAL NOTES

1. ALL EQUIPMENT, MATERIALS, AND DELIVERY METHODS MUST NOT EXCEED THE HEIGHT OF SURROUNDING TREE LINE PER CONTRACT SPECIFICATIONS.

2. TRAVEL LANES SHALL NOT BE RESTRICTED TO A WIDTH OF LESS THAN 10 FEET.

3. NO MORE THAN ONE TRAVEL LANE THROUGHOUT PROJECT SHALL BE RESTRICTED AT ANY ONE TIME.

4. DEMOLITION AND CONSTRUCTION SHALL BE LIMITED TO THE PROJECT AREA.

5. EROSION CONTROL SHALL BE PROVIDED AND MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION.

6. CONTRACTOR SHALL INSTALL ALL PROPOSED UTILITIES AND SHALL COORDINATE WITH LOCAL UTILITY PROVIDERS LISTED IN CONTRACT DOCUMENTS FOR CONNECTION TO THE EXISTING UTILITIES.

7. ALL EARTH SHOULDERS, CUT AND FILL SLOPES AND OTHER DISTRUBED AREAS SHALL BE SEEDED UNLESS OTHERWISE SPECIFIED FOR SODDING.

8. THE TOPOGRAPHIC INFORMATION FOR THIS PROJECT WAS TAKEN FROM A SURVEY PERFORMED IN THE SPRING OF 2007. THE DESIGN CONSULTANT DOES NOT WARRANT THE ACCURACY OF THIS DATA AND ADVISED THE CONTRACTOR TO FIELD VERIFY ALL INFORMATION.

9. TREE BARRICADES SHALL BE PLACED AROUND TREES SPECIFIED FOR PROTECTION PRIOR TO CONSTRUCTION BEGINNING. SPECIAL CARE MUST BE GIVEN WHEN WORKING INT HE AREAS OF THESE BARRICADED TREES.

10. ALL UTILITY LOCATIONS ARE BASED ON ABOVE GROUND FIXTURES, UTILITY MAPS, AND ELECTRONIC DETECTION METHODS. NO WARRANTY IS GIVEN TO THE LOCATION OF ON-SITE UTILITIES. IT IS ADVISED THAT THE CONTRACTOR VERIFY THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

11. CARE SHALL BE TAKEN WHEN REMOVING EXISTING PAVEMENT, CURB & GUTTER, ETC. THE CONTRACTOR SHALL FULL DEPTH SAWCUT THE EXISTING MATERIAL TO CREATE A SMOOTH FACE TO THE PROPOSED PAVEMENT, CURB & GUTTER, ETC. INTO THE EXISTING MATERIAL.

12. UTILITY RELOCATIONS SHALL BE IN COMPLIANCE WITH GAINESVILLE REGIONAL UTILITY AND THE CITY OF GAINESVILLE STANDARDS AND SPECIFICATIONS.

13. IN ACCORDANCE WITH FLORIDA STATUTE CHAPTER 556, PRIOR TO ANY EXCAVATION, THE EXCAVATOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA 1-800-432-4770.

14. ALL DESIGN STANDARDS ARE BASED ON FLORIDA DEPARTMENT OF TRANSPORTATION 2004 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

15. PHASE 1 CONSTRUCTION WILL INCLUDE NEW ROADWAY FROM WALDO ROAD (SR 24) TO STATION 117+12.61 "C" AND STATION 117+29.60 "D". THIS PHASE WILL NOT INCLUDE TRAFFIC SIGNAL OR THE ADDITION OF THE LEFT TURN LANE ON WALDO ROAD (SR 24).

16. PHASE 2 WILL INCLUDE ALL WORK FROM THE END OF PHASE 1 THROUGH TIE-IN AT THE EXISTING TERMINAL LOOP ROAD AS WELL AS THE SIGNAL AND LEFT TURN LANE AT THE INTERSECTION OF WALDO ROAD (SR 24).

EARTHWORK BALANCE

GNV ACCESS ROAD	
TRAFFIC DATA	
AADT (2008)	
_____	
DESIGN DATA	
POSTED SPEED	30mph / 15mph
DESIGN SPEED	30mph / 15mph
FUNCTIONAL CLASSIFICATION	LOCAL STREET
RURAL / URBAN	URBAN
TERRAIN	LEVEL

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG.
4667 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
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ACCESS ROAD
GENERAL NOTES
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

20066220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C002

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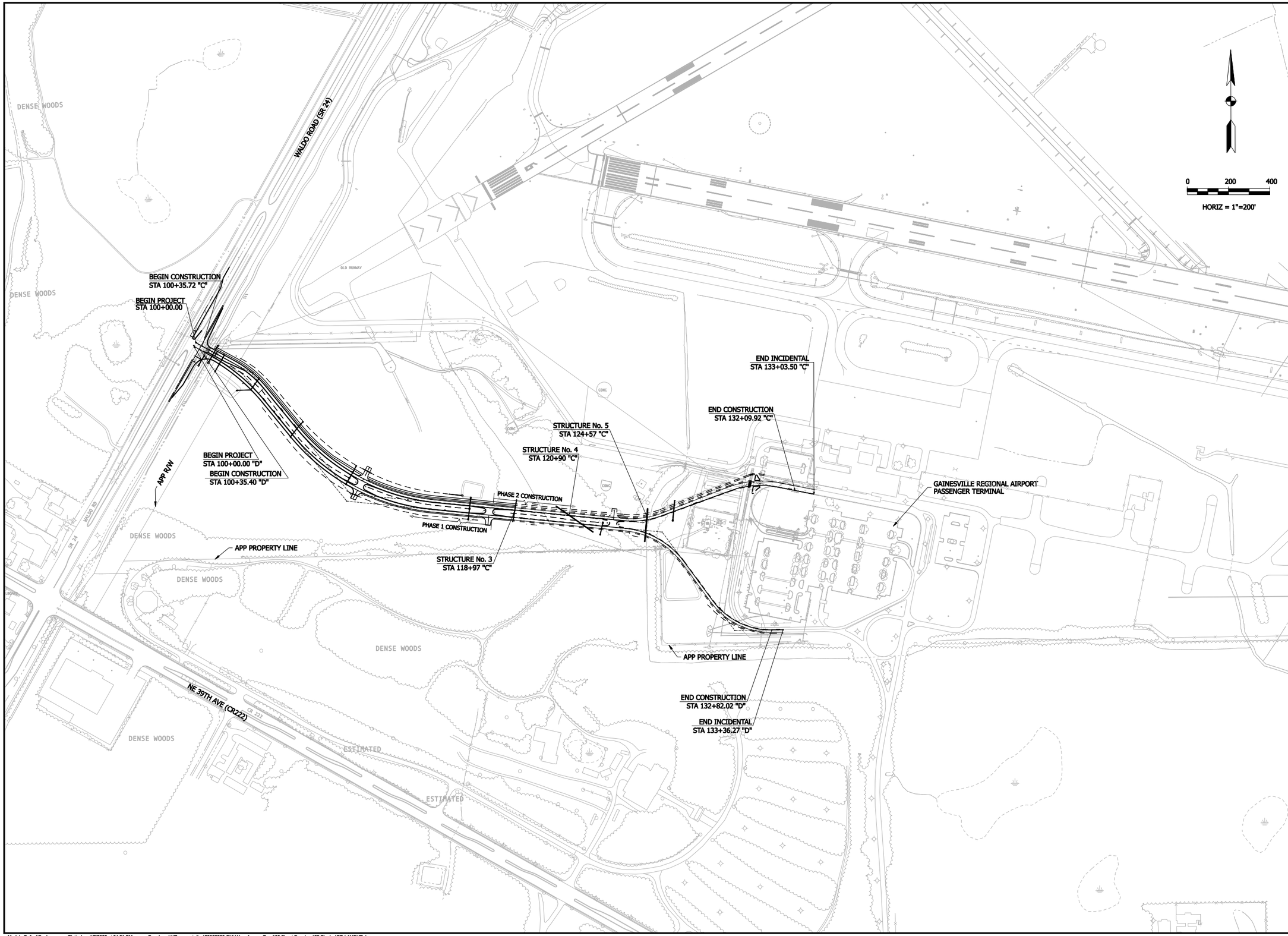

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
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ACCESS ROAD
OVERALL LAYOUT
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

20068220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C003

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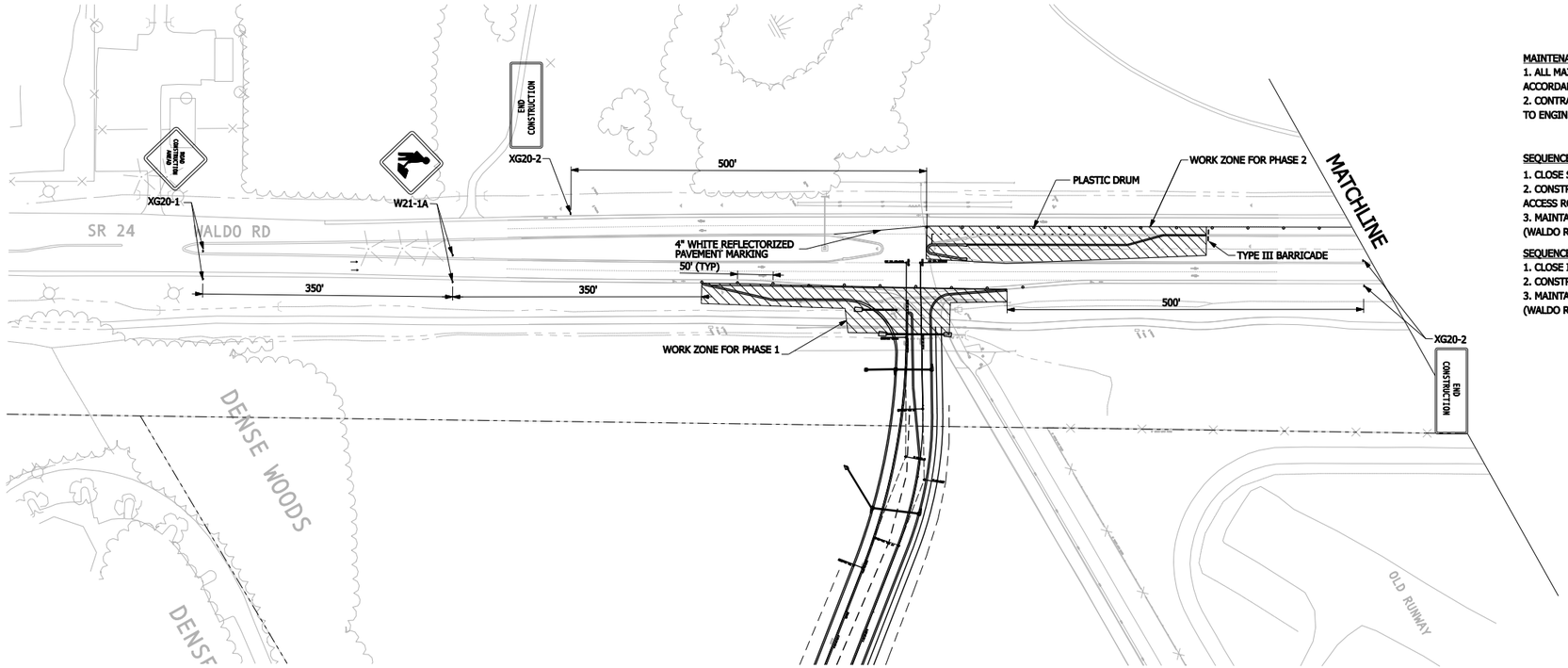


MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL MAINTENANCE OF TRAFFIC PLANS MUST BE PERFORMED IN ACCORDANCE WITH FDOT STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC PLANS TO ENGINEER FOR APPROVAL PRIOR TO PLACING ANY CLOSURES.

SEQUENCE OF OPERATIONS - PHASE 1 CONSTRUCTION

1. CLOSE SHOULDER OF NORTHBOUND SR 24 (WALDO RD)
2. CONSTRUCT PROPOSED RIGHT TURN LANE & TIE-IN ALONG NEW ACCESS ROAD INTERSECTION.
3. MAINTAIN BOTH LANES OF TRAFFIC ON NORTHBOUND SR 24 (WALDO ROAD).

SEQUENCE OF OPERATIONS - PHASE 2 CONSTRUCTION

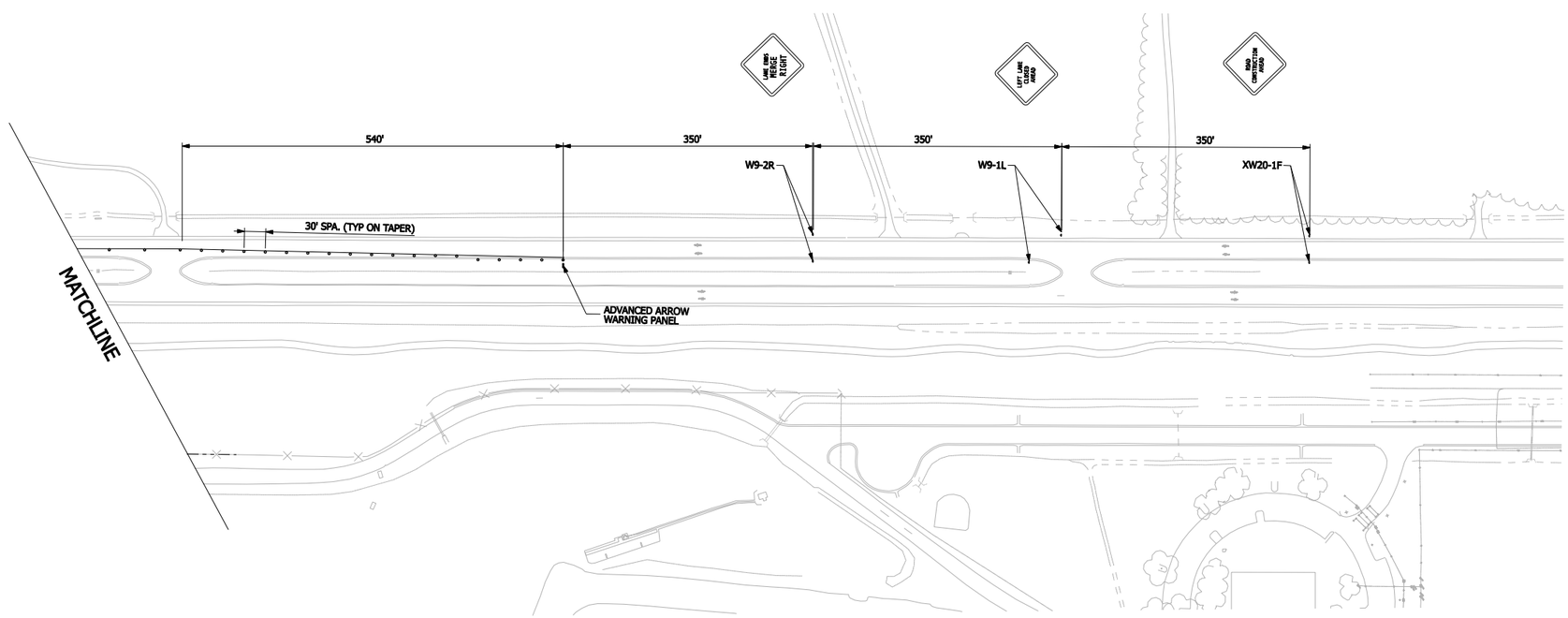
1. CLOSE INSIDE SHOULDER OF SOUTHBOUND SR 24 (WALDO RD)
2. CONSTRUCT PROPOSED LEFT TURN LANE.
3. MAINTAIN BOTH LANES OF TRAFFIC ON SOUTHBOUND SR 24 (WALDO ROAD).

0 100 200

1"=100'

LEGEND

- WORK AREA
- WORK ZONE SIGN
- CHANNELIZING DEVICE
- LANE IDENTIFICATION & DIRECTION OF FLOW
- TYPE I OR III BARRICADE WITH FLASHING LIGHT
- ADVANCE WARNING ARROW SIGN



0 100 200

1"=100'

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

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ACCESS ROAD

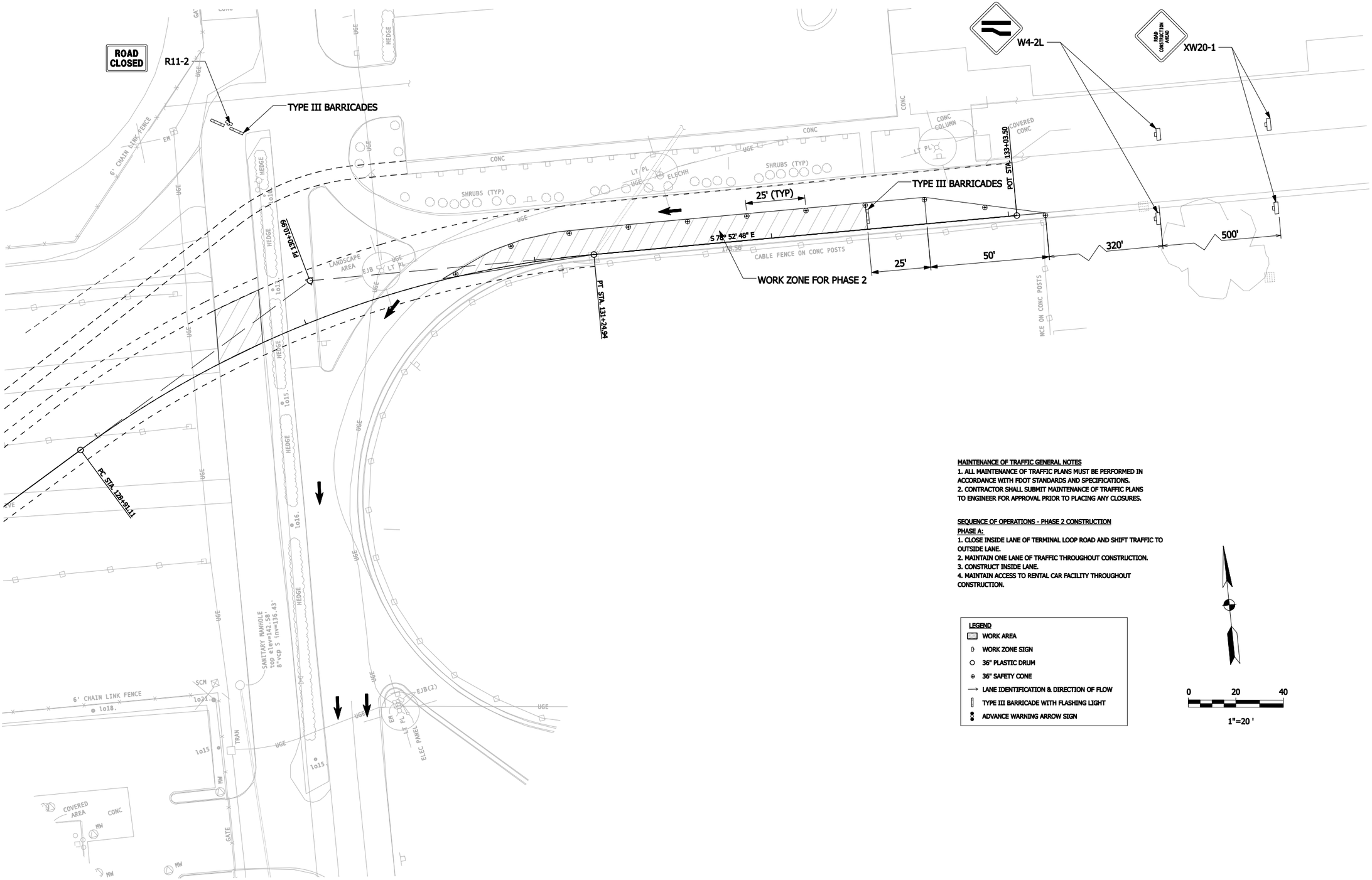
MAINTENANCE OF TRAFFIC WALDO ROAD (SR 24)

GAINESVILLE REGIONAL AIRPORT — GAINESVILLE, FL

DRAWN	DESIGNED	DESIGNED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C004



MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL MAINTENANCE OF TRAFFIC PLANS MUST BE PERFORMED IN ACCORDANCE WITH FDOT STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC PLANS TO ENGINEER FOR APPROVAL PRIOR TO PLACING ANY CLOSURES.

SEQUENCE OF OPERATIONS - PHASE 2 CONSTRUCTION

PHASE A:

1. CLOSE INSIDE LANE OF TERMINAL LOOP ROAD AND SHIFT TRAFFIC TO OUTSIDE LANE.
2. MAINTAIN ONE LANE OF TRAFFIC THROUGHOUT CONSTRUCTION.
3. CONSTRUCT INSIDE LANE.
4. MAINTAIN ACCESS TO RENTAL CAR FACILITY THROUGHOUT CONSTRUCTION.

LEGEND

- WORK AREA
- WORK ZONE SIGN
- 36" PLASTIC DRUM
- 36" SAFETY CONE
- LANE IDENTIFICATION & DIRECTION OF FLOW
- TYPE III BARRICADE WITH FLASHING LIGHT
- ADVANCE WARNING ARROW SIGN

0 20 40

1"=20 '

REV	DESCRIPTION	DATE	BY

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ACCESS ROAD

MAINTENANCE OF TRAFFIC LINE "C" PHASE A

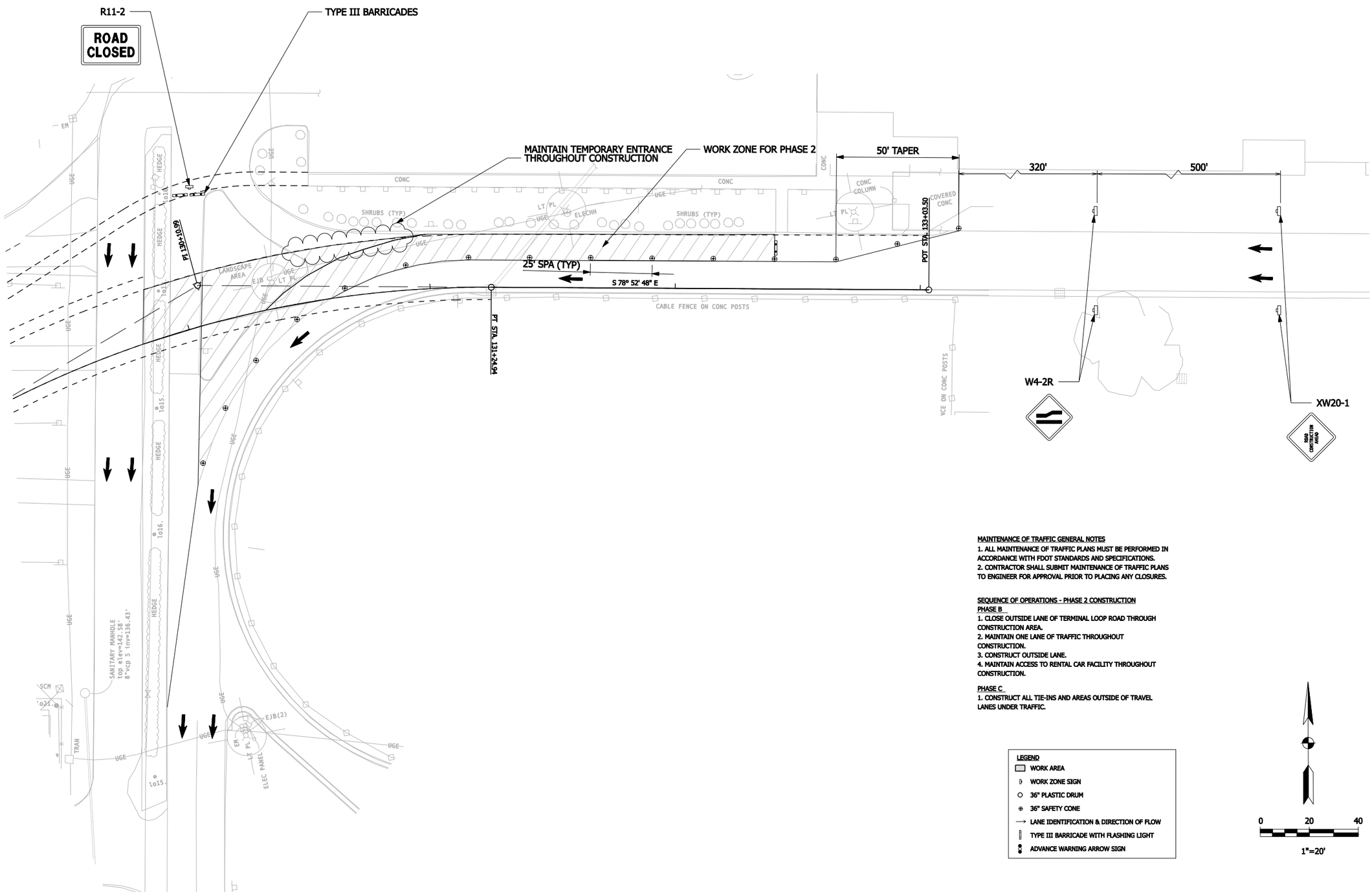
GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C005



MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL MAINTENANCE OF TRAFFIC PLANS MUST BE PERFORMED IN ACCORDANCE WITH FDOT STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC PLANS TO ENGINEER FOR APPROVAL PRIOR TO PLACING ANY CLOSURES.

SEQUENCE OF OPERATIONS - PHASE 2 CONSTRUCTION

PHASE B

1. CLOSE OUTSIDE LANE OF TERMINAL LOOP ROAD THROUGH CONSTRUCTION AREA.
2. MAINTAIN ONE LANE OF TRAFFIC THROUGHOUT CONSTRUCTION.
3. CONSTRUCT OUTSIDE LANE.
4. MAINTAIN ACCESS TO RENTAL CAR FACILITY THROUGHOUT CONSTRUCTION.

PHASE C

1. CONSTRUCT ALL TIE-INS AND AREAS OUTSIDE OF TRAVEL LANES UNDER TRAFFIC.

LEGEND

- WORK AREA
- WORK ZONE SIGN
- 36" PLASTIC DRUM
- 36" SAFETY CONE
- LANE IDENTIFICATION & DIRECTION OF FLOW
- TYPE III BARRICADE WITH FLASHING LIGHT
- ADVANCE WARNING ARROW SIGN

REV	DESCRIPTION	DATE	BY

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ACCESS ROAD

MAINTENANCE OF TRAFFIC LINE " C" PHASE B

GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20068220

C006

MAINTENANCE OF TRAFFIC GENERAL NOTES

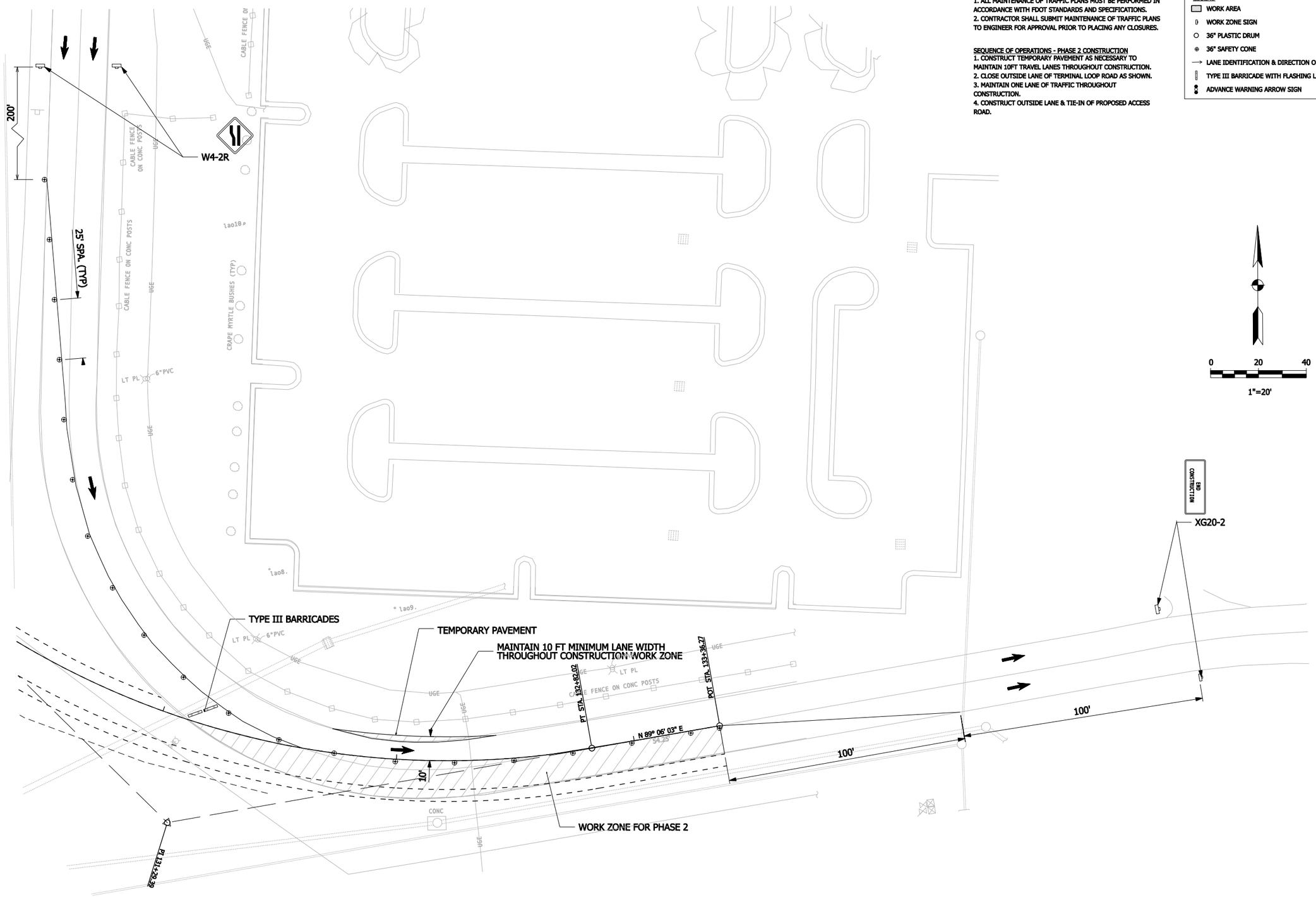
1. ALL MAINTENANCE OF TRAFFIC PLANS MUST BE PERFORMED IN ACCORDANCE WITH FDOT STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC PLANS TO ENGINEER FOR APPROVAL PRIOR TO PLACING ANY CLOSURES.

SEQUENCE OF OPERATIONS - PHASE 2 CONSTRUCTION

1. CONSTRUCT TEMPORARY PAVEMENT AS NECESSARY TO MAINTAIN 10FT TRAVEL LANES THROUGHOUT CONSTRUCTION.
2. CLOSE OUTSIDE LANE OF TERMINAL LOOP ROAD AS SHOWN.
3. MAINTAIN ONE LANE OF TRAFFIC THROUGHOUT CONSTRUCTION.
4. CONSTRUCT OUTSIDE LANE & TIE-IN OF PROPOSED ACCESS ROAD.

LEGEND

- WORK AREA
- WORK ZONE SIGN
- 36" PLASTIC DRUM
- 36" SAFETY CONE
- LANE IDENTIFICATION & DIRECTION OF FLOW
- TYPE III BARRICADE WITH FLASHING LIGHT
- ADVANCE WARNING ARROW SIGN



REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 84455

ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-5066
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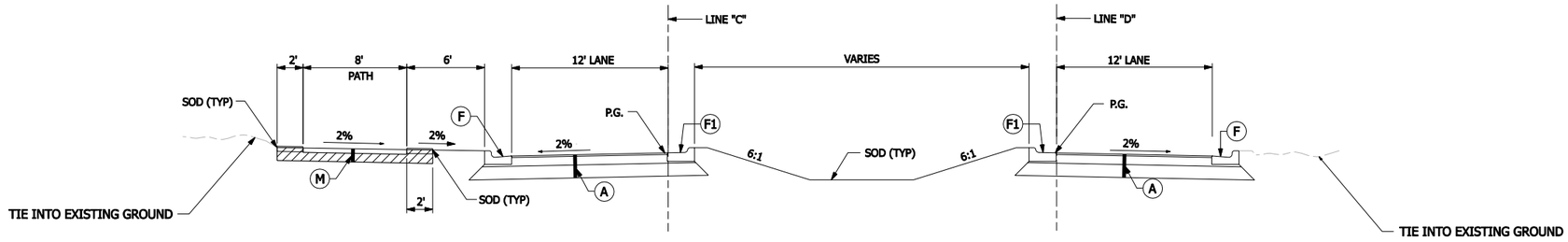
ACCESS ROAD
MAINTENANCE OF TRAFFIC
LINE " D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

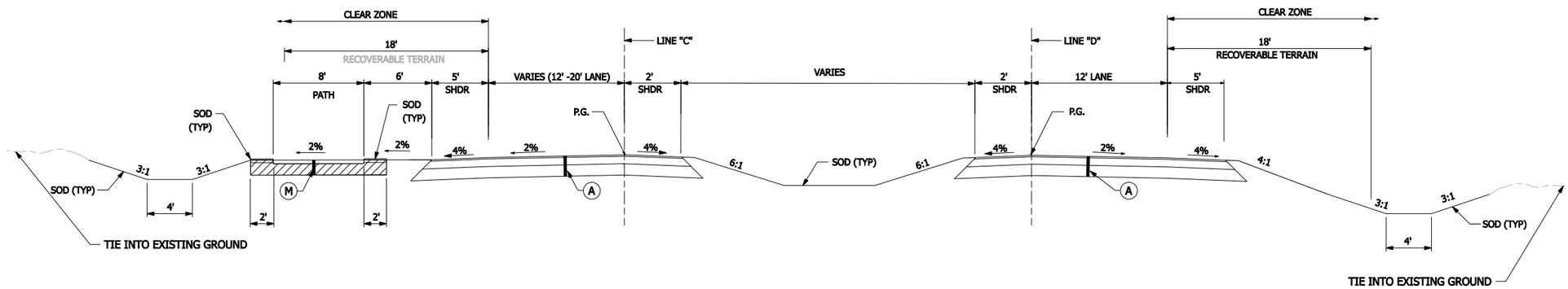
C007



TYPICAL CROSS-SECTION

STA. 102+73.59 "C" to STA. 110+50.00 "C"

STA. 102+73.59 "D" to STA. 110+50.00 "D"



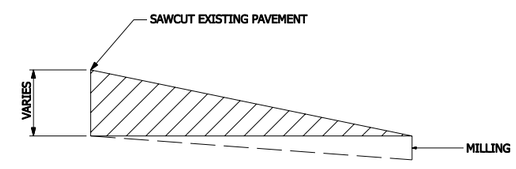
TYPICAL CROSS-SECTION

STA. 110+50.00 "C" to STA. 125+37.79 "C"

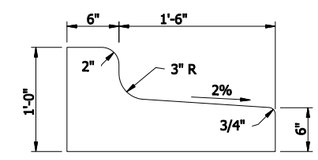
STA. 110+50.00 "D" to STA. 132+82.02 "D"

LEGEND

- (A) PROPOSED PAVEMENT, MAINLINE
  165lb/sy-in STRUCTURAL COURSE, SP-9.5mm ON
  8 in. OPTIONAL BASE GROUP 6
  12 in. TYPE B STABILIZED SUBGRADE (LBR 40)
- (F) CURB, TYPE F
- (F1) CURB, TYPE F, MODIFIED
- (M) SHARED USE PATH, ASPHALT
  110lb/sy-in STRUCTURAL COURSE, SP-9.5mm ON
  OPTIONAL BASE GROUP 1 ON
  12" TYPE B STABILIZATION (LBR 40)

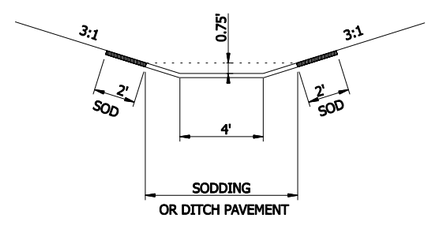


WEDGE & LEVEL DETAIL



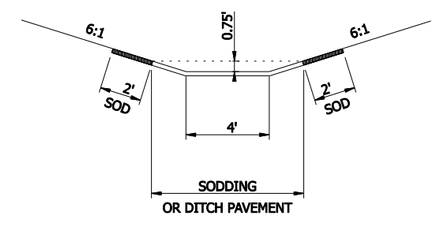
TYPE F, CURB, MODIFIED

NOT TO SCALE



ROADWAY SIDE DITCH DETAIL

NOT TO SCALE



MEDIAN DITCH DETAIL

NOT TO SCALE

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG

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Certificate of Authorization #8455

ACCESS ROAD

TYPICAL CROSS SECTIONS

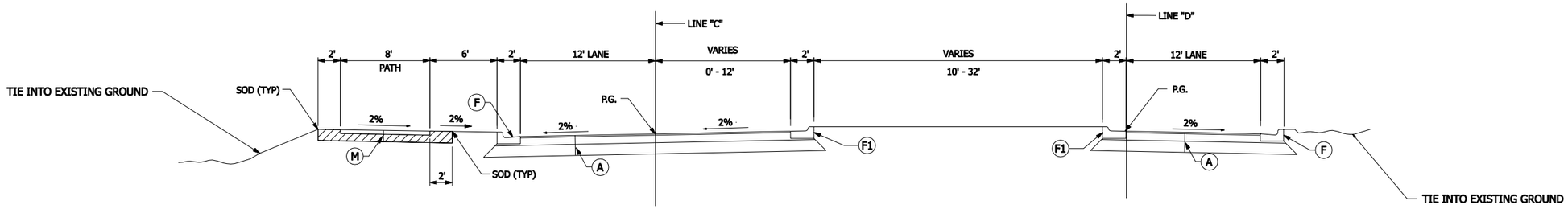
GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

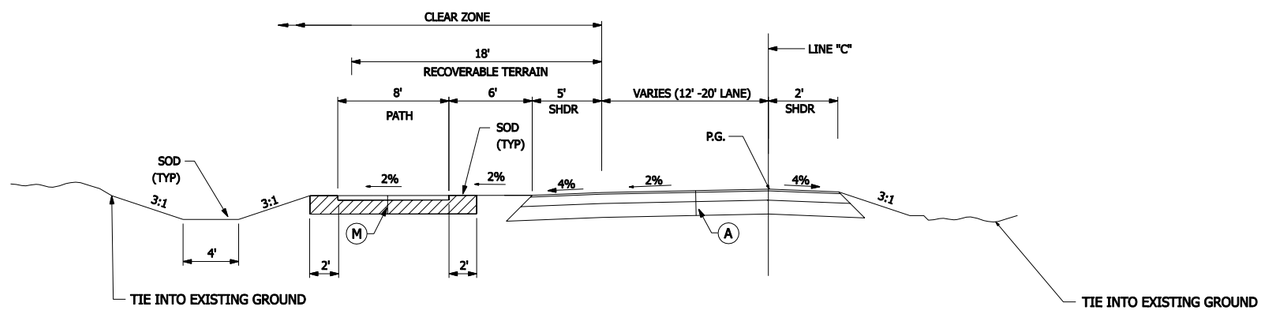
20068220

C008



TYPICAL CROSS-SECTION

STA. 100+35.72 "C" to STA. 102+73.59 "C"



TYPICAL CROSS-SECTION

STA. 125+37.79 "C" to STA. 133+03.50 "C"

LEGEND

(A) PROPOSED PAVEMENT, MAINLINE
165lb/sy-in STRUCTURAL COURSE, SP-9.5mm ON
8 in. OPTIONAL BASE GROUP 6
12 in. TYPE B STABILIZED SUBGRADE (LBR 40)

(F) CURB, TYPE F

(F1) CURB, TYPE F, MODIFIED

(M) SHARED USE PATH, ASPHALT
110lb/sy-in STRUCTURAL COURSE, SP-9.5mm ON
OPTIONAL BASE GROUP 1 ON
12" TYPE B STABILIZATION (LBR 40)

REV	DESCRIPTION	DATE	BY

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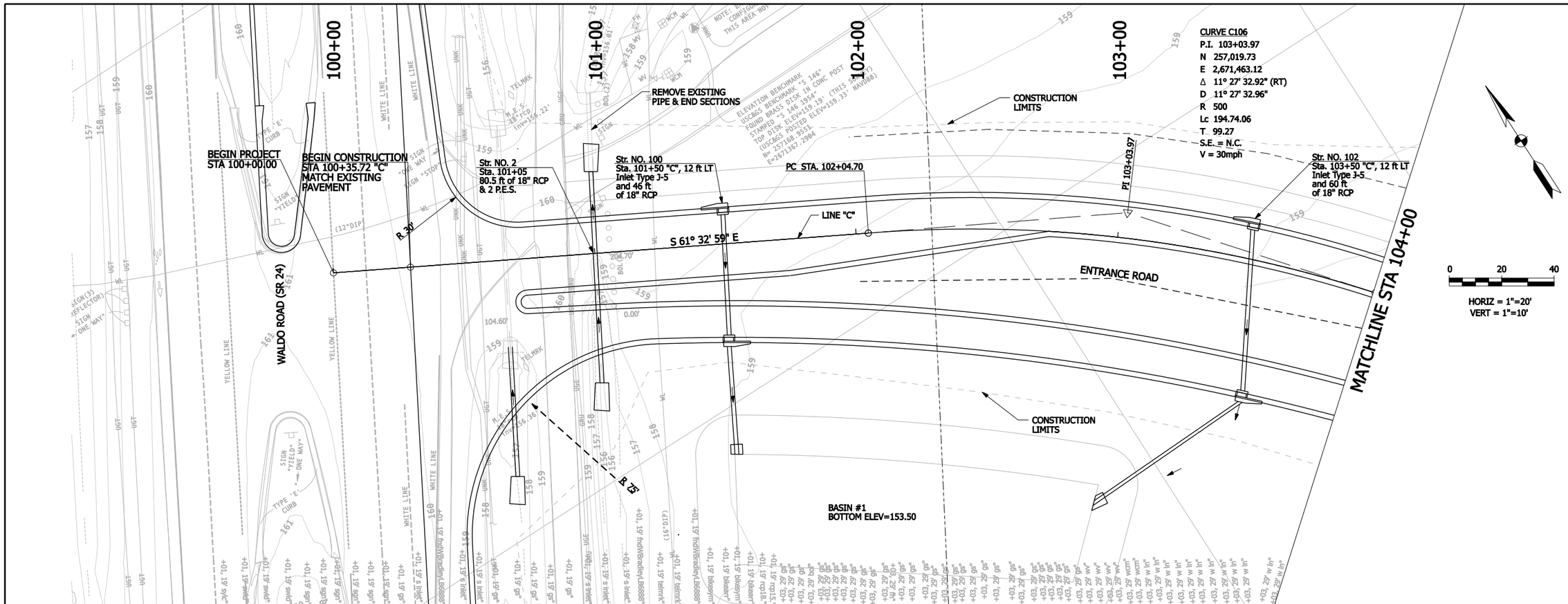
ACCESS ROAD

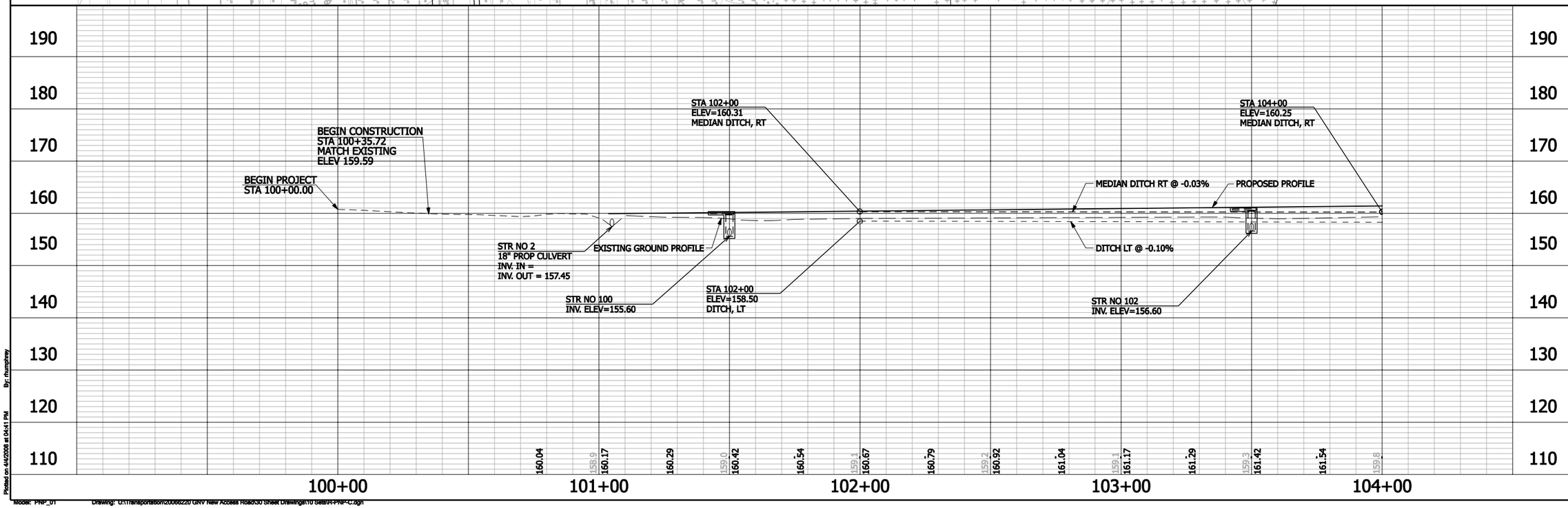
TYPICAL CROSS SECTIONS

GAINESVILLE REGIONAL AIRPORT — GAINESVILLE, FL

20068220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C009





REV	DESCRIPTION	DATE	BY

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Florida P.E. No. 84455

ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
Certificate of Authorization #8455

ACCESS ROAD

PLAN & PROFILE - LINE "C"

GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20068220

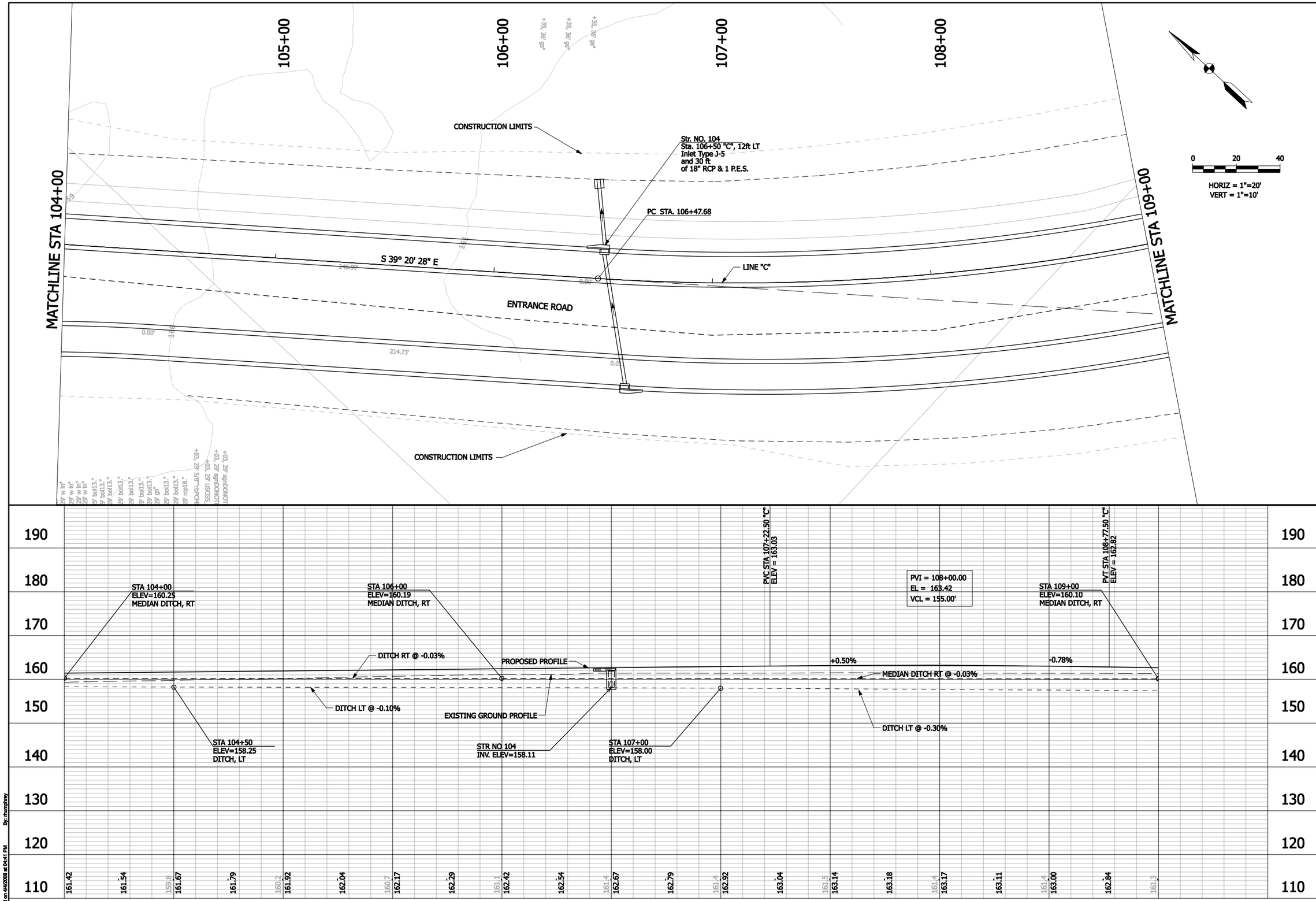
C009

By: rhumphrey

Plotted on 4/4/2008 at 04:41 PM

Model: PNP_01

Drawing: U:\Transportation\20068220 GNV New Access Road\30 Sheet Drawings\10 Sets\01-PNP-C.dgn



REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
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ACCESS ROAD

PLAN & PROFILE - LINE "C"

GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DATE: 01-18-08

APPROVED RMH

REVIEWED TF

DESIGNED RMH

DRAWN MSP

20066220

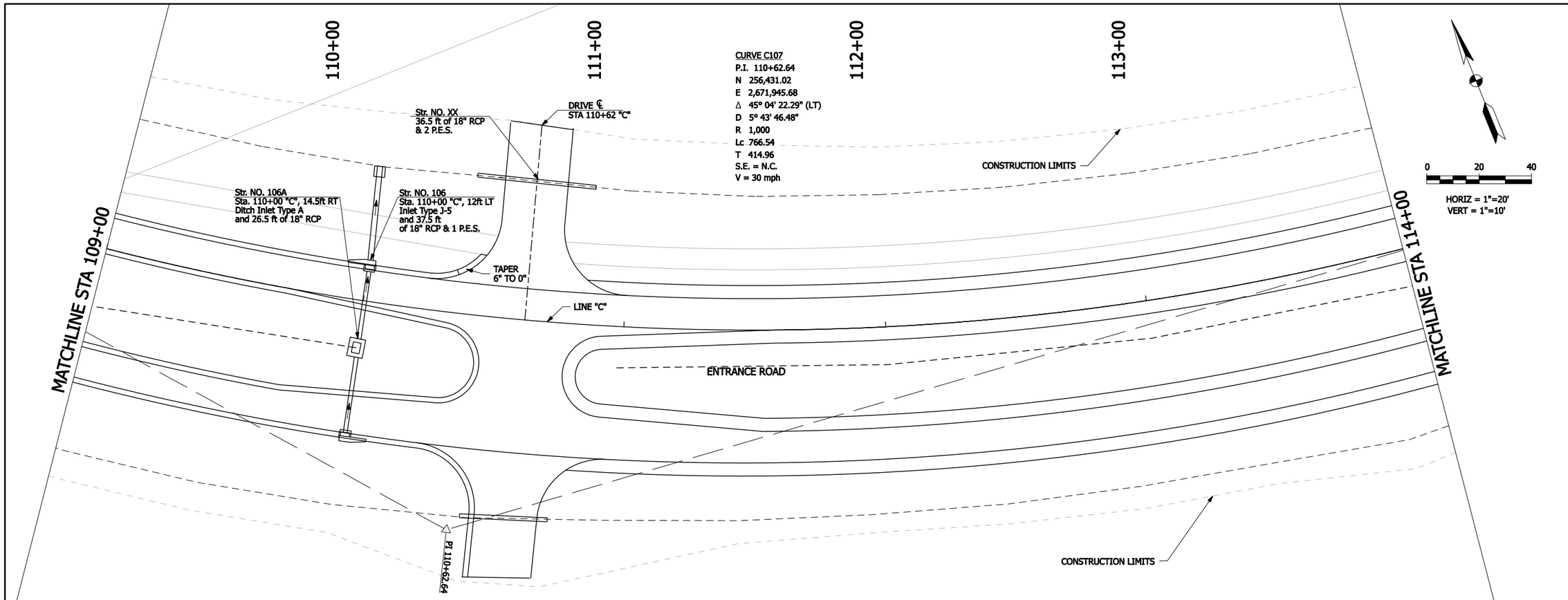
C010

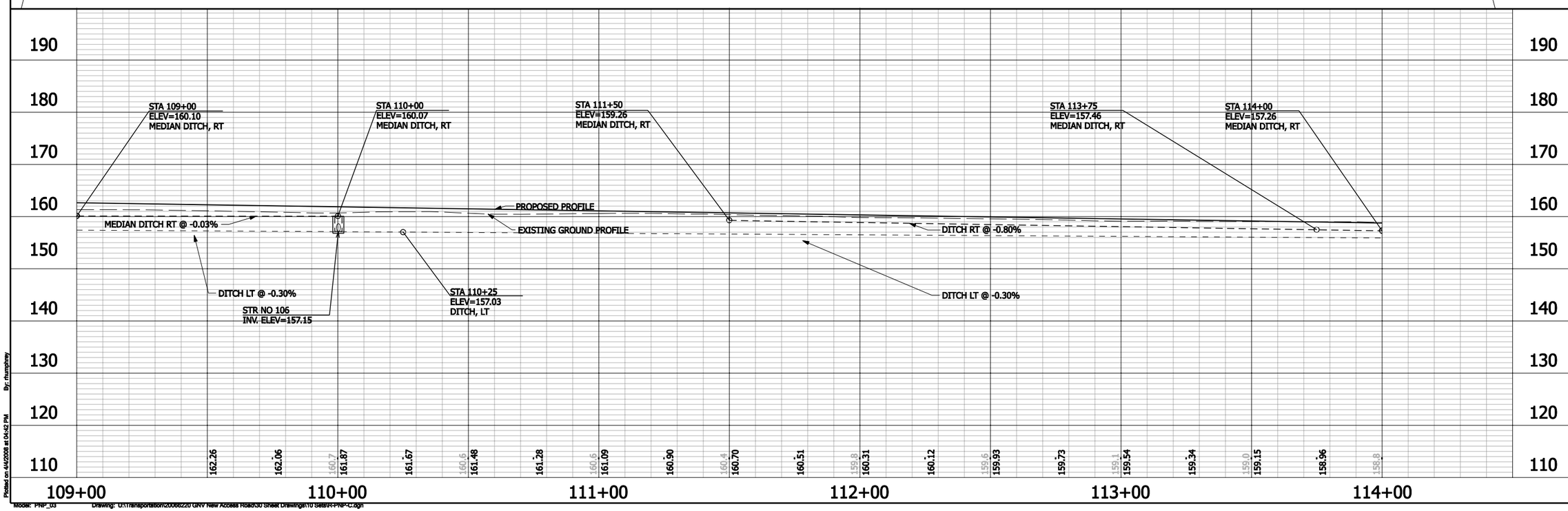
By: rhumphrey

Plotted on 4/4/2008 at 04:41 PM

Model: PNP_02

Drawing: U:\Transportation\20066220 GNV New Access Road\30 Sheet Drawings\10 Sets\R-PNP-C.dgn





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ARMSTRONG

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ACCESS ROAD

PLAN & PROFILE - LINE "C"

GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DATE: 01-18-08

APPROVED RMH

REVIEWED TF

DESIGNED RMH

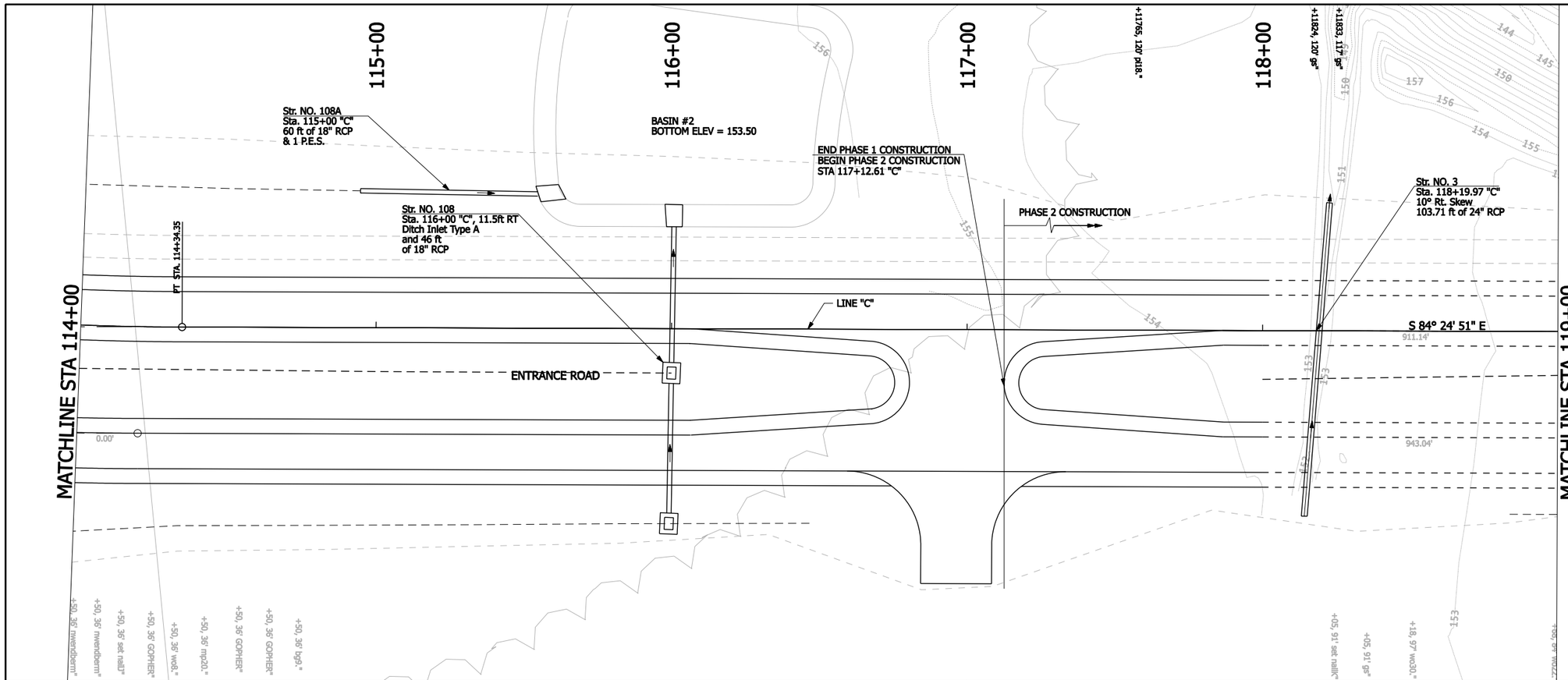
DRAWN MSP

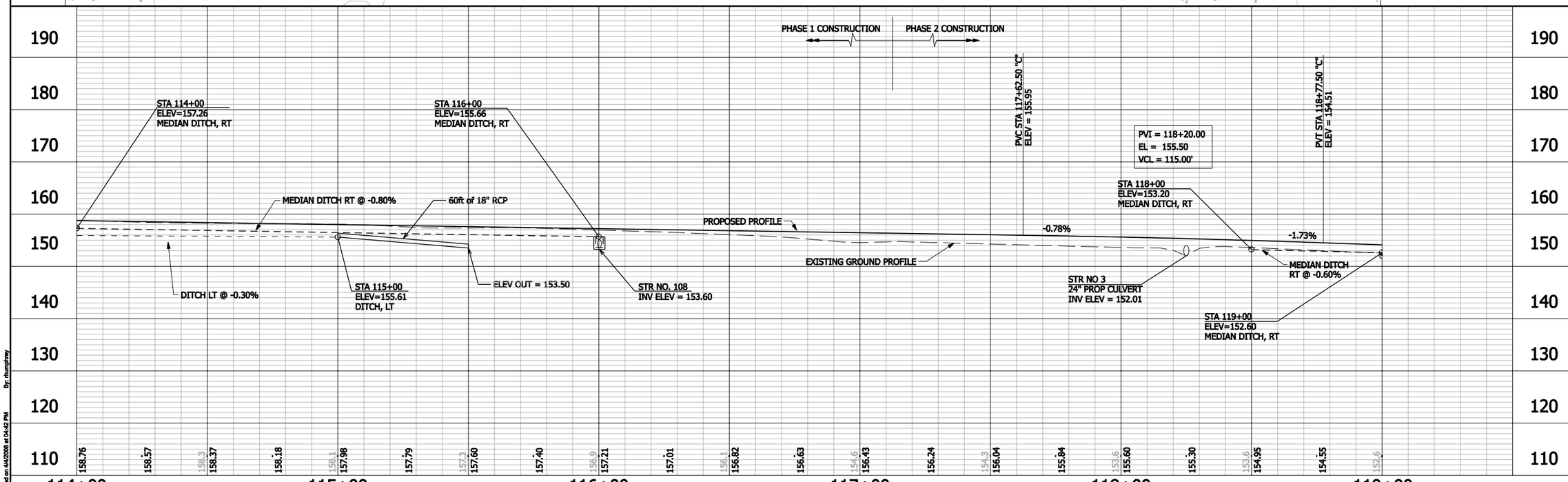
20068220

C011

Plotted on 4/4/2008 at 04:42 PM By: rhumphrey

Model: PNP_03 Drawing: U:\Transportation\20068220 GNV New Access Road\30 Sheet Drawings\10 Sets\01-PNP-C.dgn





REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-5066
Certificate of Authorization #8455

ACCESS ROAD

PLAN & PROFILE - LINE "C"

GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DATE: 01-18-08

APPROVED RMH

REVIEWED TF

DESIGNED RMH

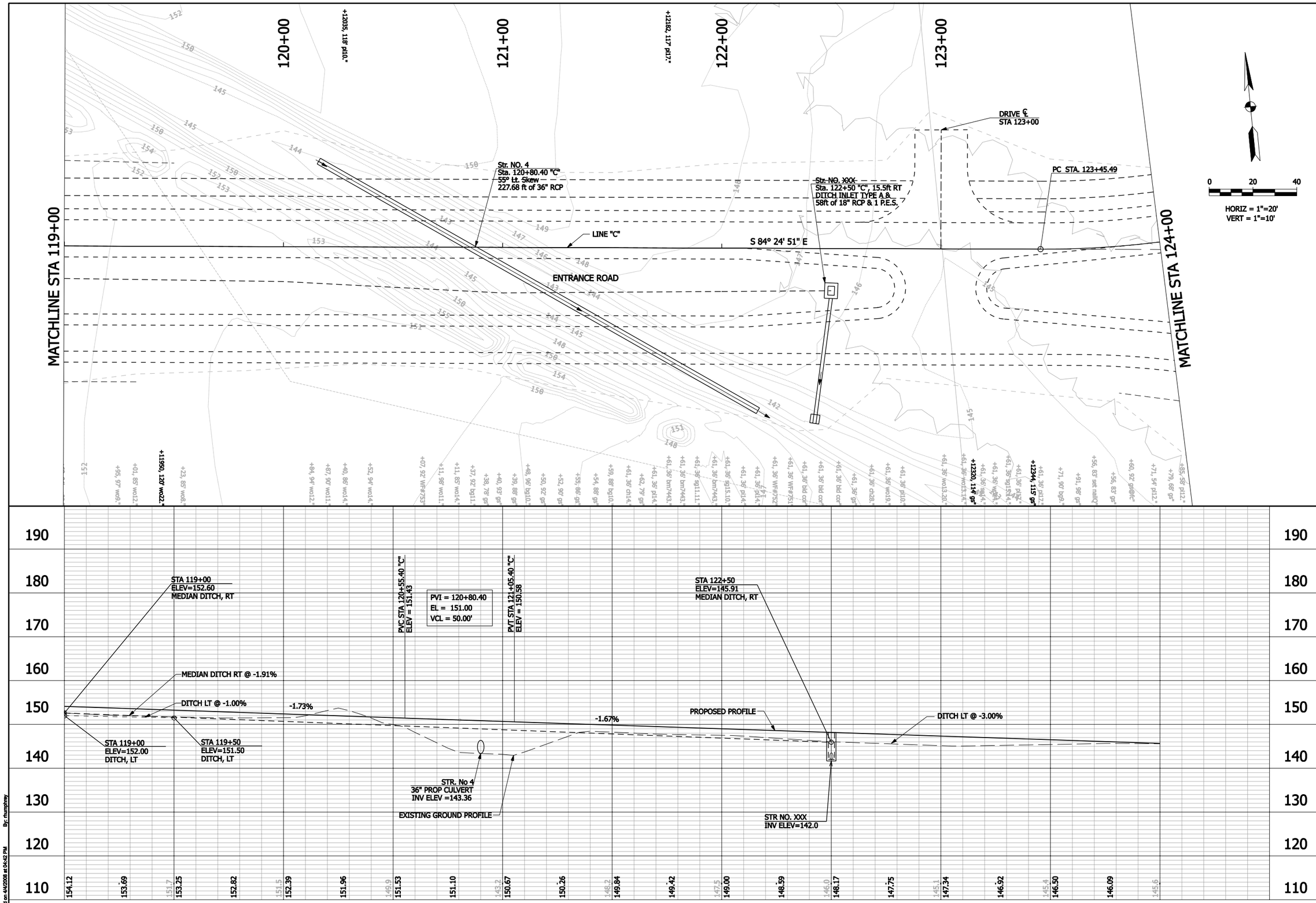
DRAWN MSP

20066220

C012

Plotted on 4/4/2008 at 04:42 PM By: rhumphrey

Model: PNP_04 Drawing: U:\Transportation\20066220 GNV New Access Road\30 Sheet Drawings\10 Sets\H-PNP-C.dgn



REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG.
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ACCESS ROAD

PLAN & PROFILE - LINE "C"

GAINESVILLE REGIONAL AIRPORT

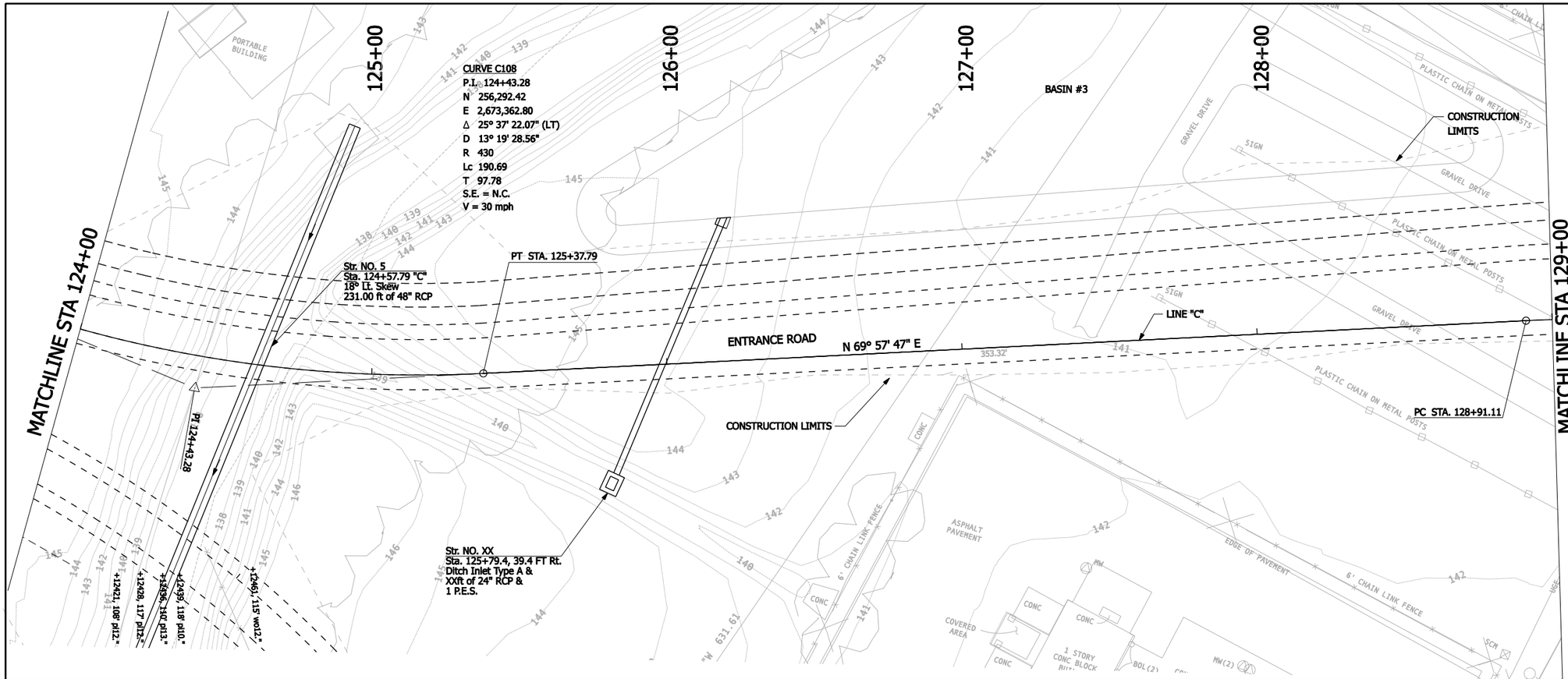
GAINESVILLE, FL

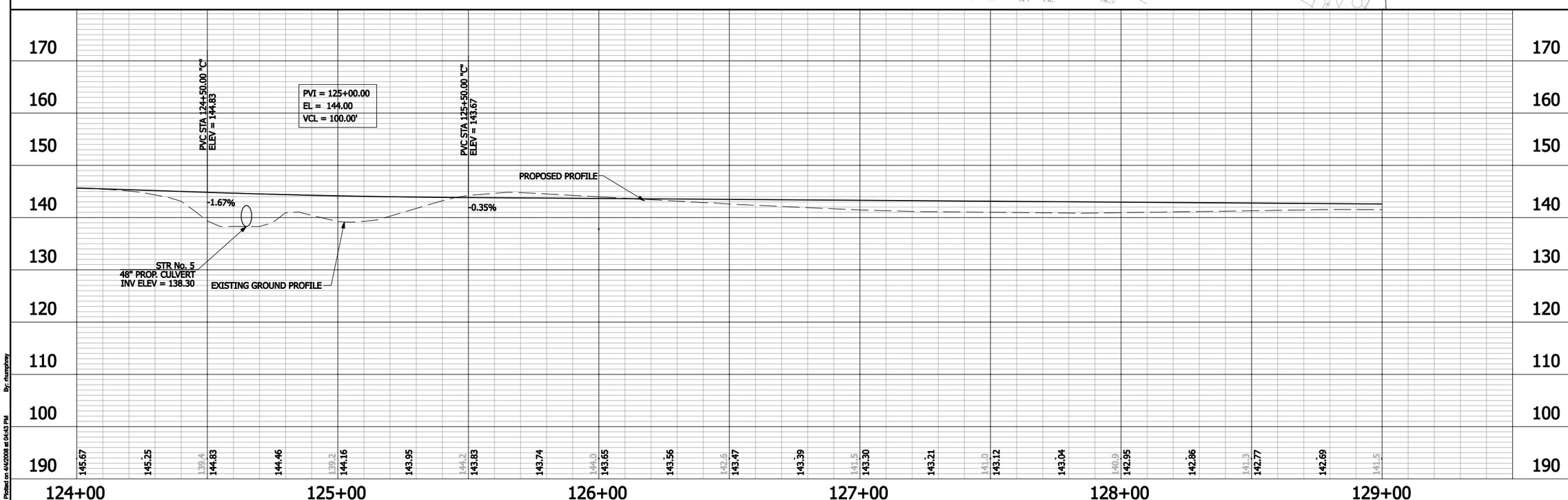
DATE: 01-18-08	APPROVED RMH	REVIEWED TF	DESIGNED RMH	DRAWN MSP	20068220

C013

Posted on 4/4/2008 at 04:42 PM By: rhumphrey

Model: PNP_05 Drawing: U:\Transportation\20068220 GNV New Access Road\30 Sheet Drawings\10 Sets\R-PNP-C.dgn





REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG

4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
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GAINESVILLE, FL

DATE: 01-18-08

APPROVED RMH

REVIEWED TF

DESIGNED RMH

DRAWN MSP

20068220

ACCESS ROAD

PLAN & PROFILE - LINE "C"

GAINESVILLE REGIONAL AIRPORT

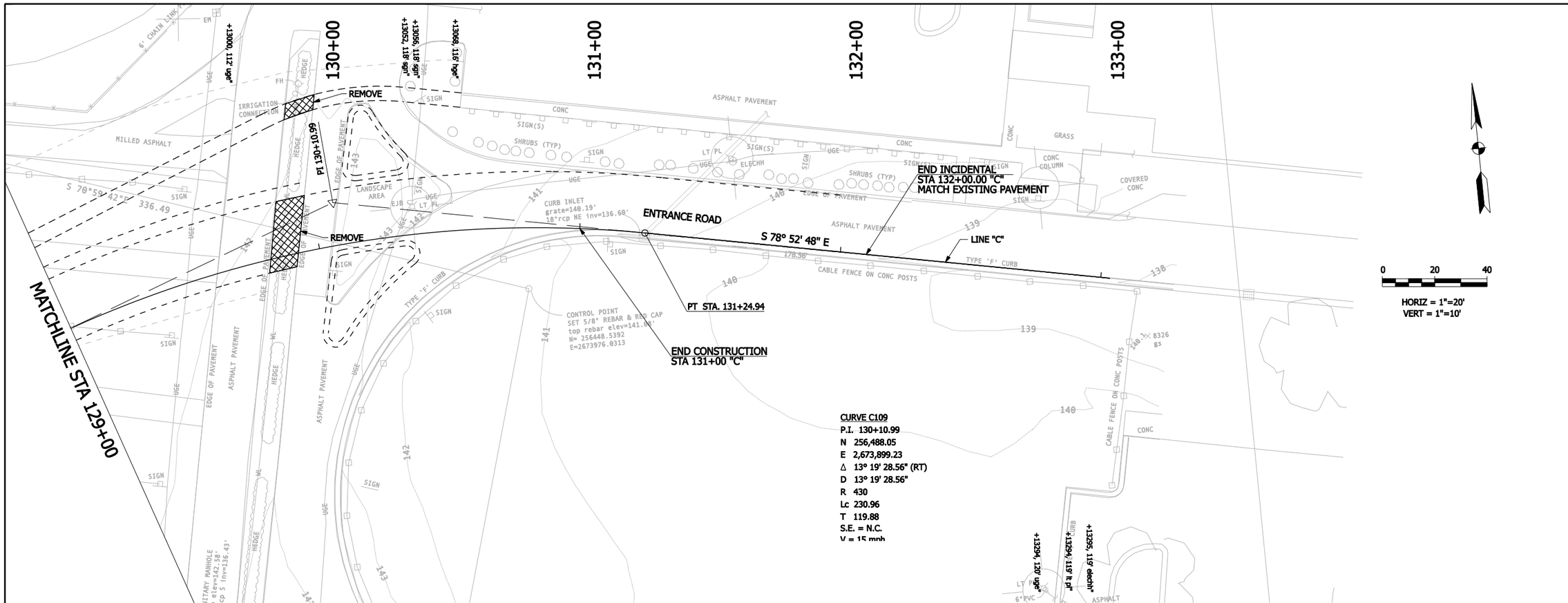
C014

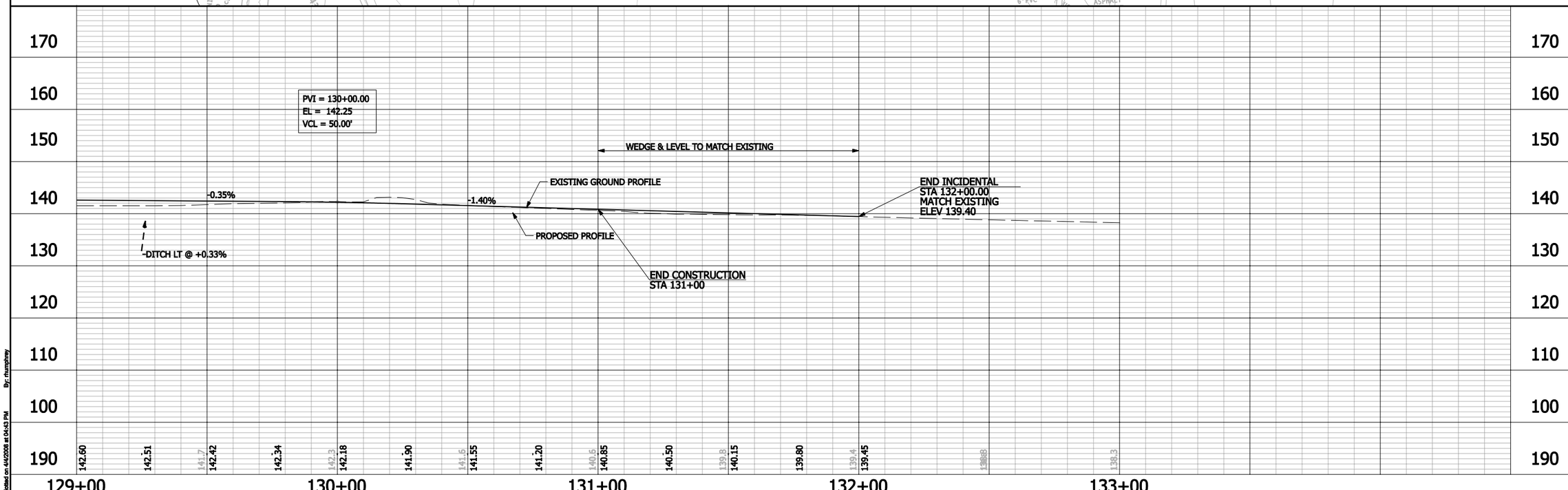
By: rhumphrey

Plotted on 4/4/2008 at 04:43 PM

Model: PNP_06

Drawing: U:\Transportation\20068220 GNV New Access Road\30 Sheet Drawings\10 Sets\01-PNP-C.dgn





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ACCESS ROAD

PLAN & PROFILE - LINE "C"

GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DATE: 01-18-08

APPROVED RMH

REVIEWED TF

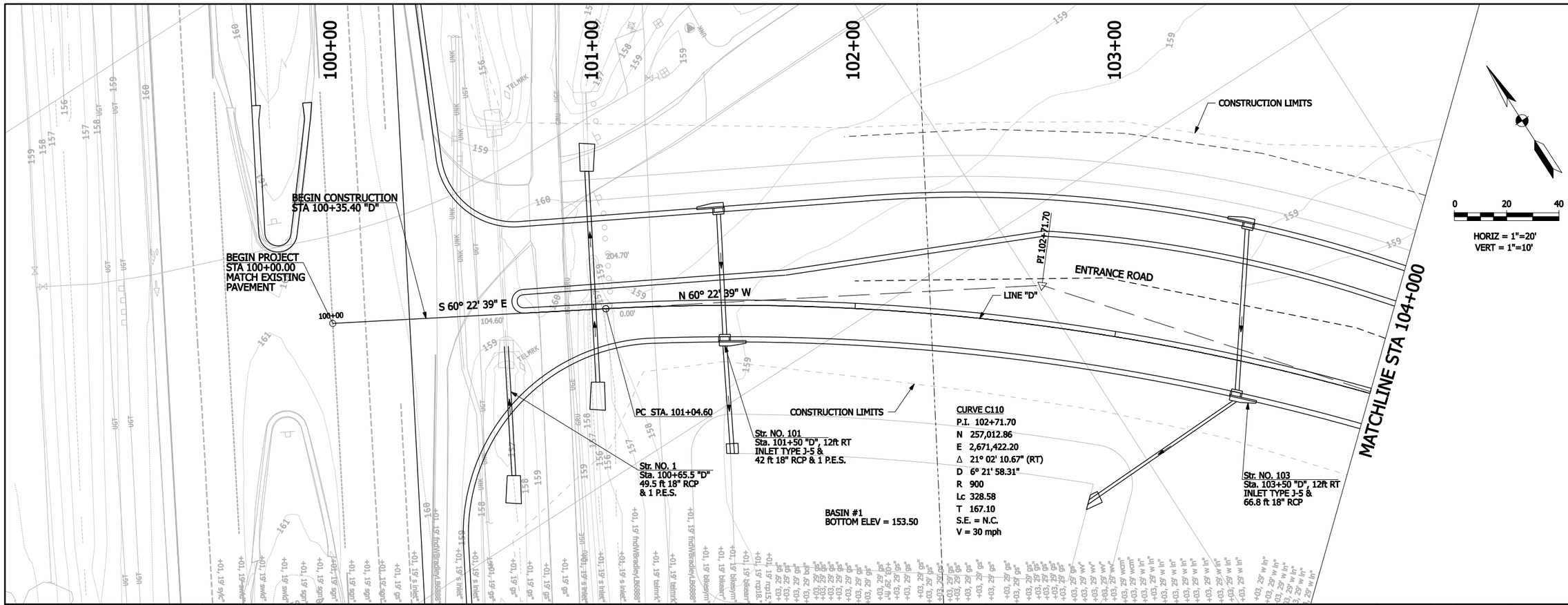
DESIGNED RMH

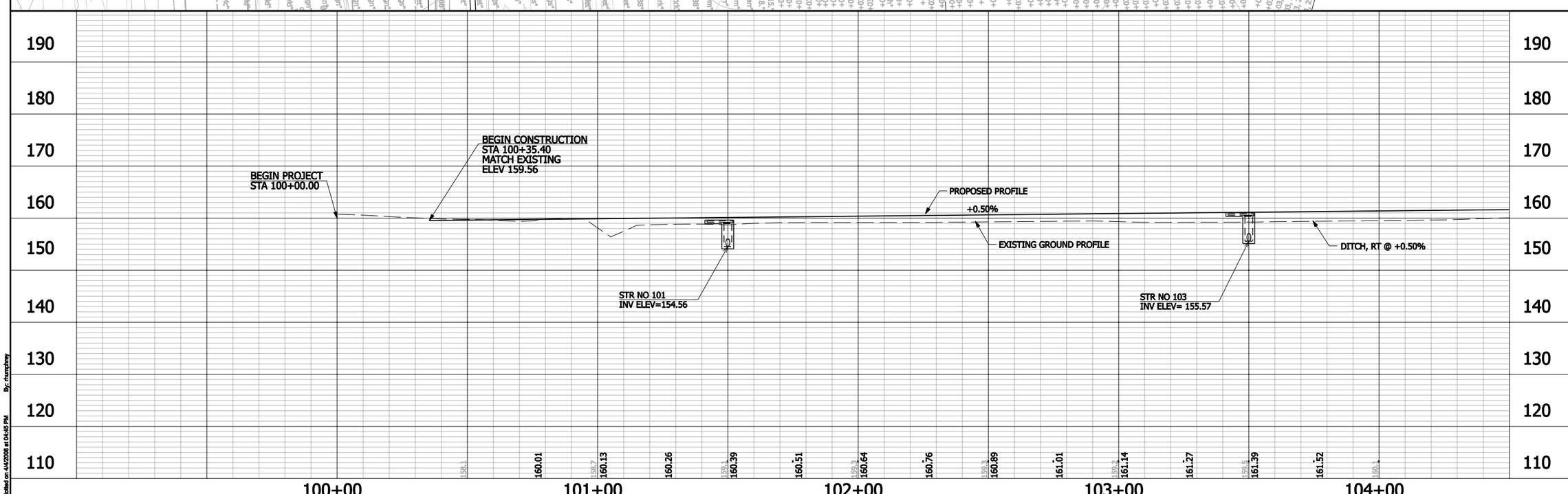
DRAWN MSP

20066220

C015

Plotted on 4/4/2008 at 04:43 PM By: rhumphrey
Model: PNP_07 Drawing: U:\Transportation\20066220 GNV New Access Road\30 Sheet Drawings\10 Sets\H-PNP-C.dgn





REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 84455

ARMSTRONG.
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Gainesville, FL 32609
(352) 377-5066
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ACCESS ROAD

PLAN & PROFILE - LINE "D"

GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

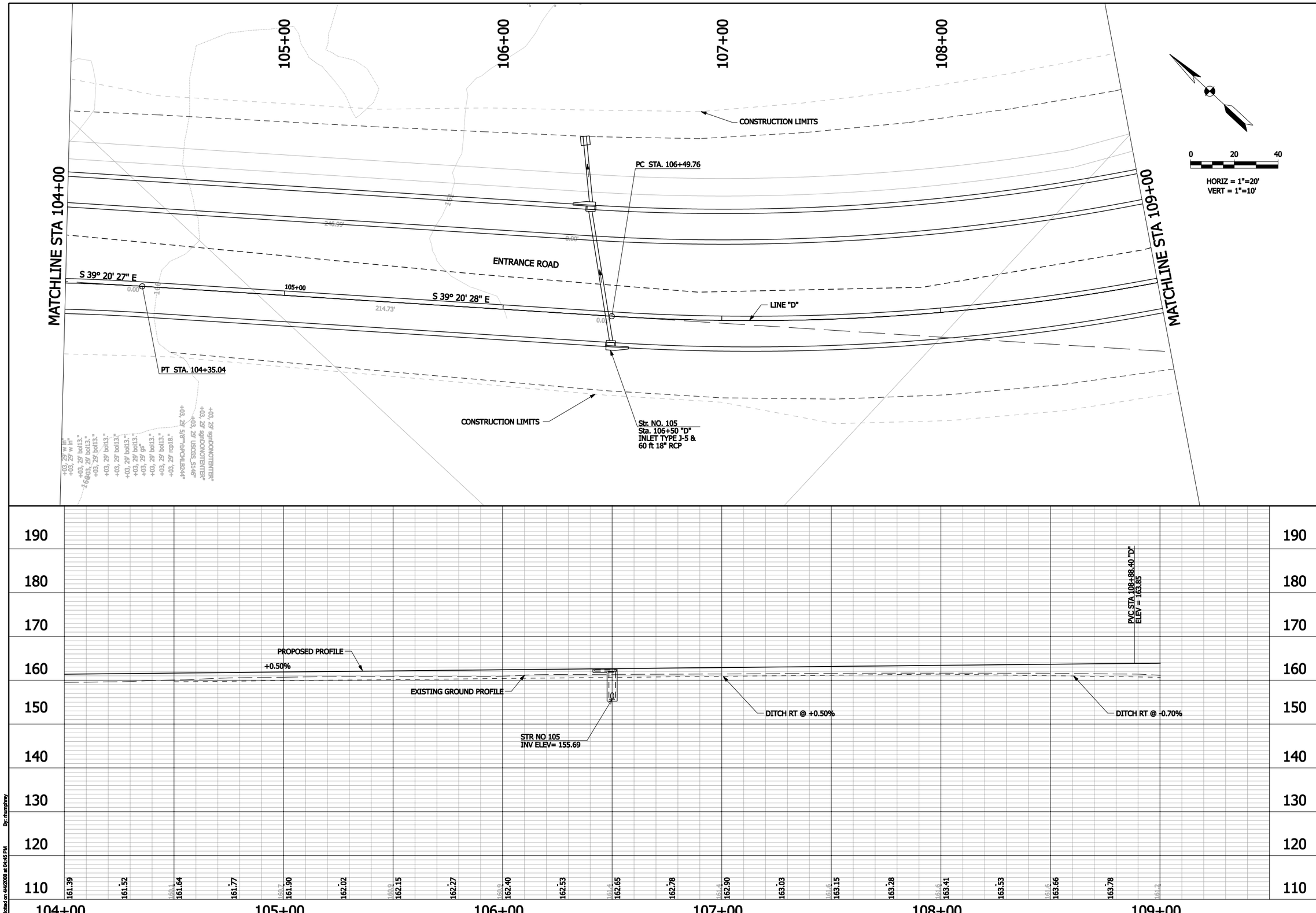
DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C016

Posted on 4/4/2008 at 04:45 PM By: rhumphrey

Model: PNP_01 Drawing: U:\Transportation\20066220 GNV New Access Road\30 Sheet Drawings\10 Sets\01-PNP-D.dgn



REV	DESCRIPTION	DATE	BY

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Florida P.E. No. 64455

ARMSTRONG

4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
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ACCESS ROAD

PLAN & PROFILE - LINE "D"

GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DATE: 01-18-08

APPROVED RMH

REVIEWED TF

DESIGNED RMH

DRAWN MSP

20066220

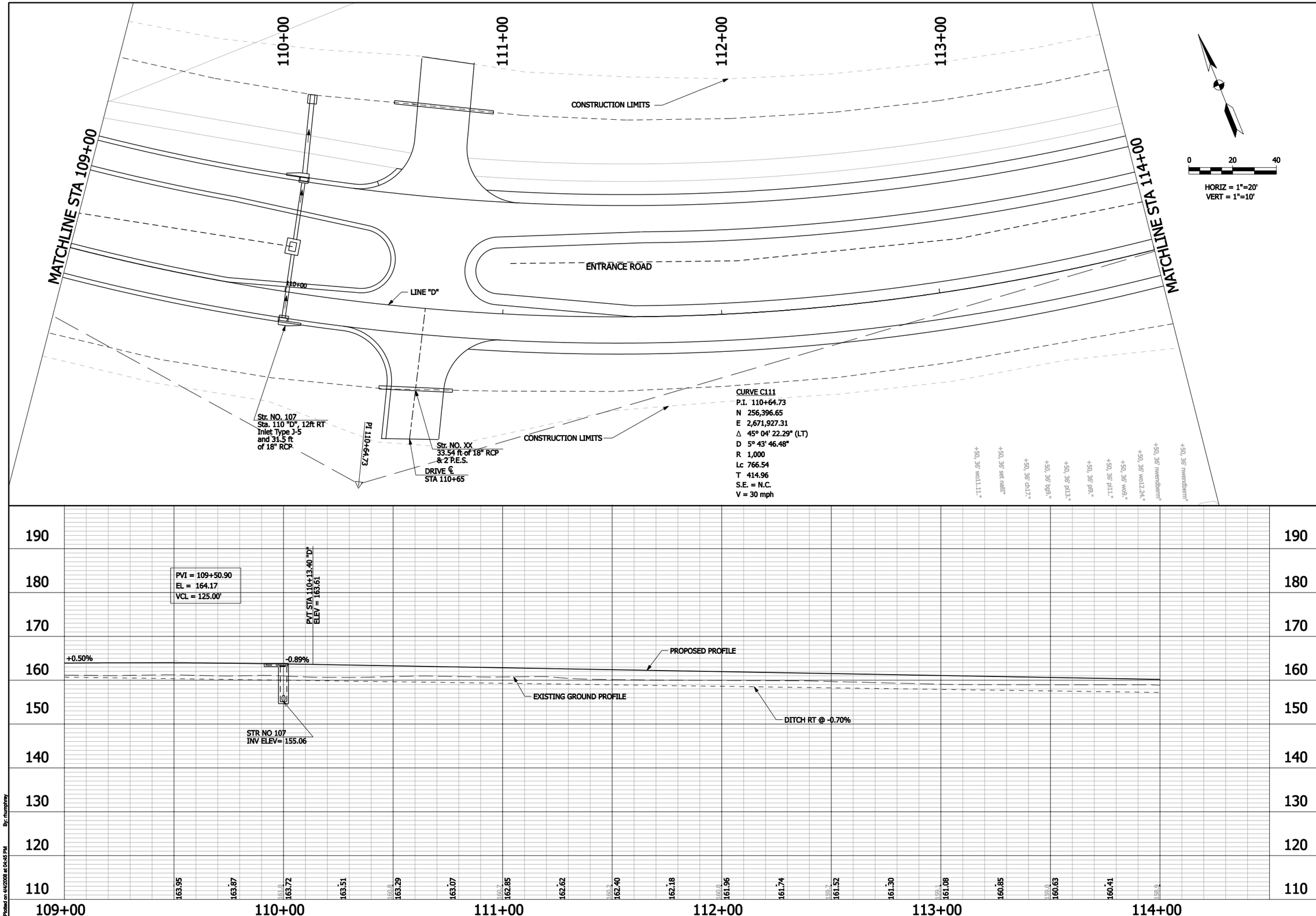
C017

By: rhumphrey

Plotted on 4/4/2008 at 04:45 PM

Model: PNP_02

Drawing: U:\Transportation\20066220 GNV New Access Road\30 Sheet Drawings\10 Sets\01-PNP-D.dgn



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ARMSTRONG

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ACCESS ROAD

PLAN & PROFILE - LINE " D"

GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DATE: 01-18-08

APPROVED RMH

REVIEWED TF

DESIGNED RMH

DRAWN MSP

20068220

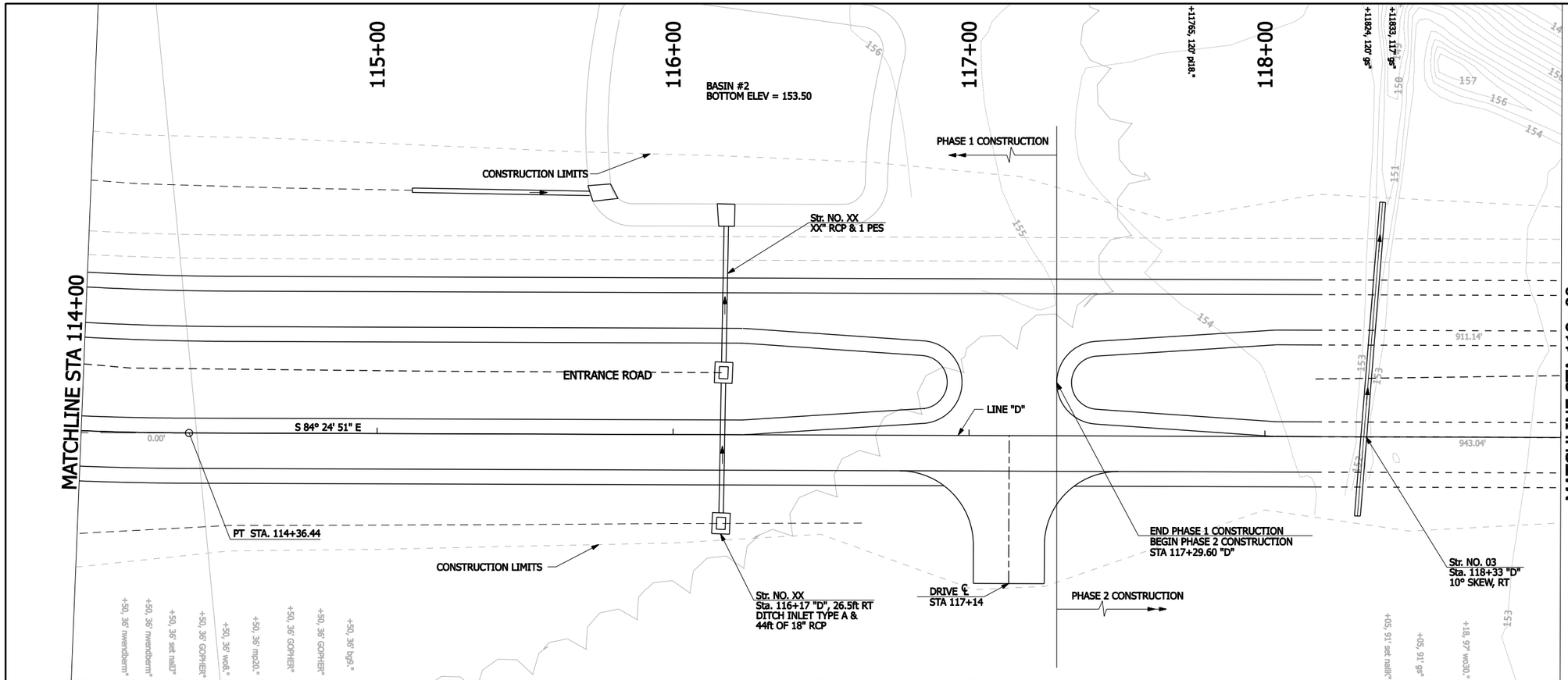
C018

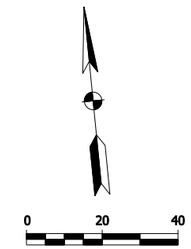
By: rhumphrey

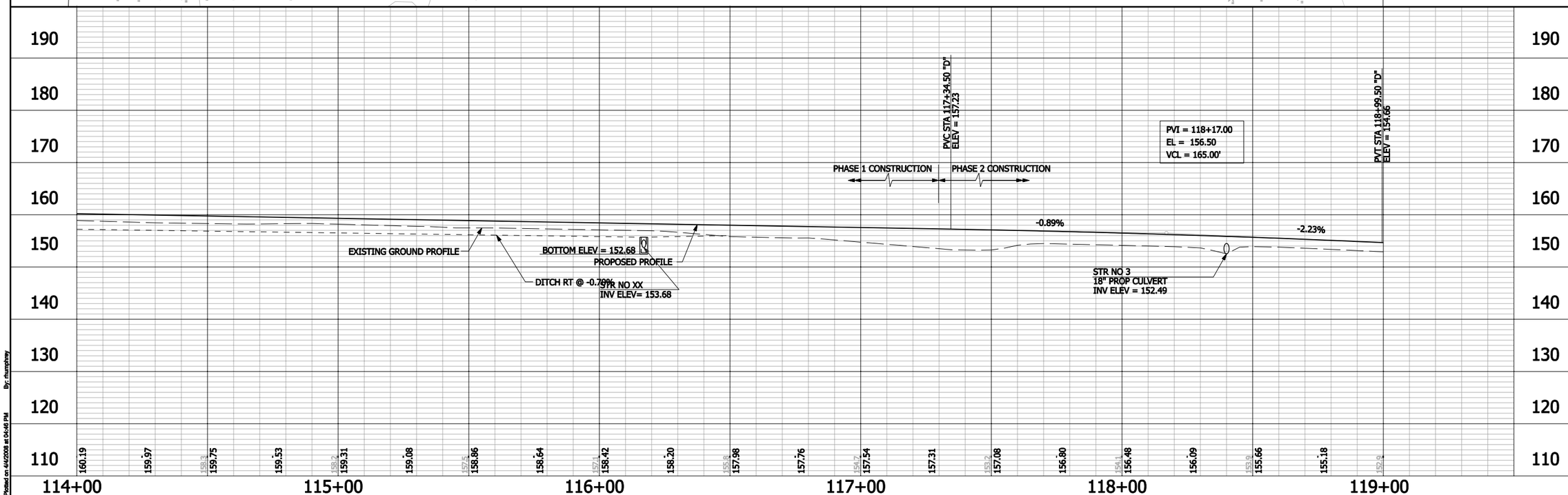
Plotted on 4/4/2008 at 04:45 PM

Model: PNP_03

Drawing: U:\Transportation\20068220 GNV New Access Road\30 Sheet Drawings\10 Sets\R-PNP-D.dgn







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ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
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ACCESS ROAD

PLAN & PROFILE - LINE "D"

GAINESVILLE REGIONAL AIRPORT

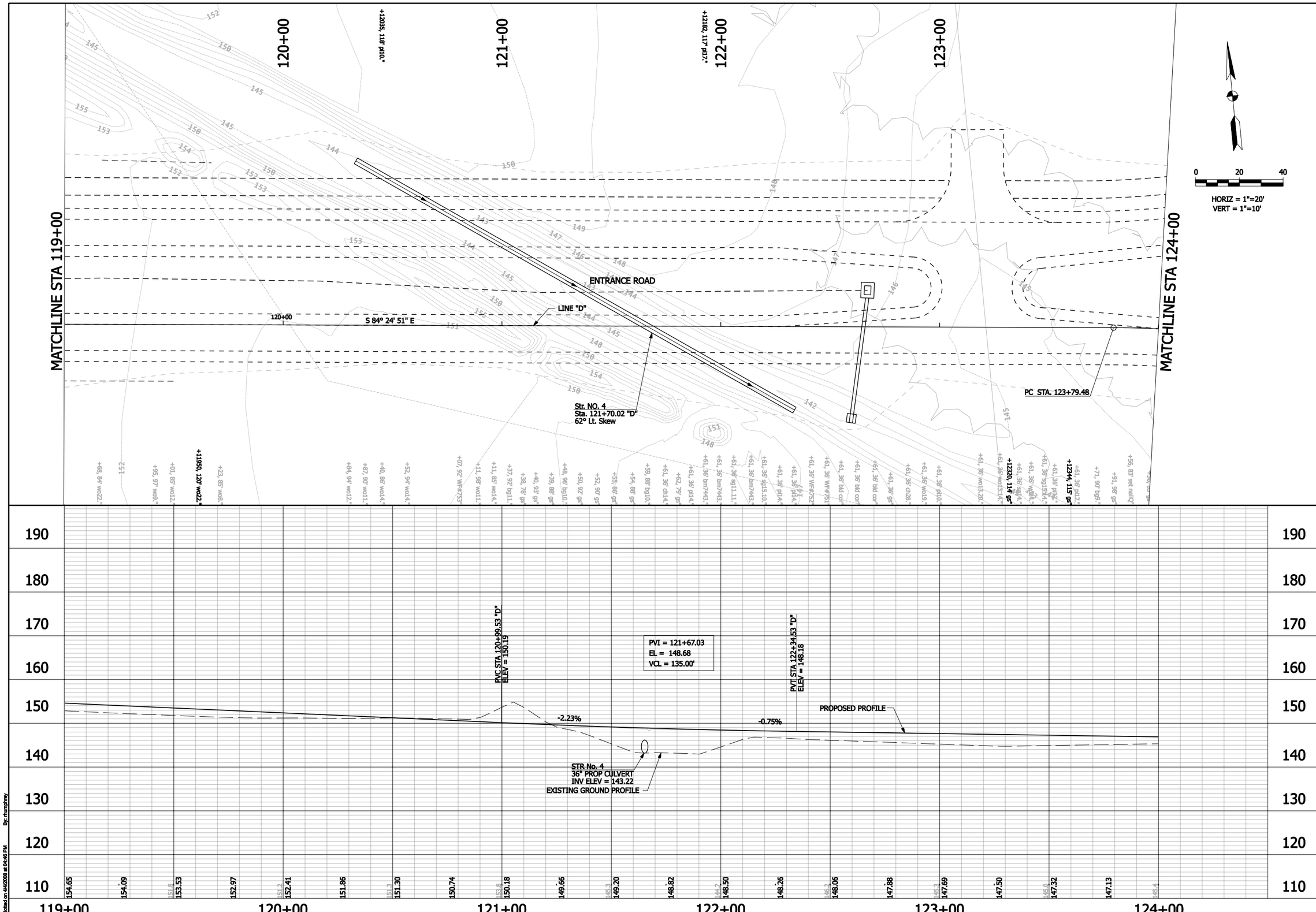
GAINESVILLE, FL

20068220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C019

Plotted on 4/4/2008 at 04:46 PM By: rhumphrey

Model: PNP_04 Drawing: U:\Transportation\20068220 GNV New Access Road\30 Sheet Drawings\10 Sets\01-PNP-D.dgn



REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 84455

ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-5066
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ACCESS ROAD

PLAN & PROFILE - LINE "D"

GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

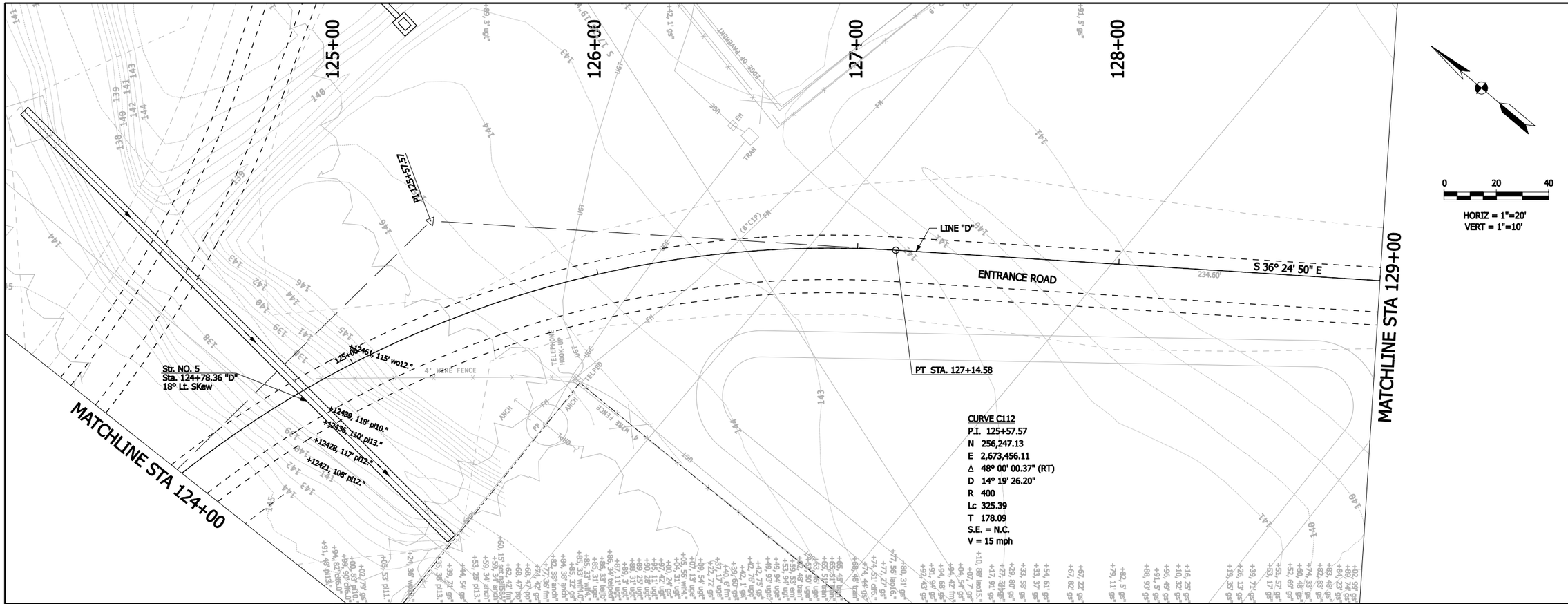
DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

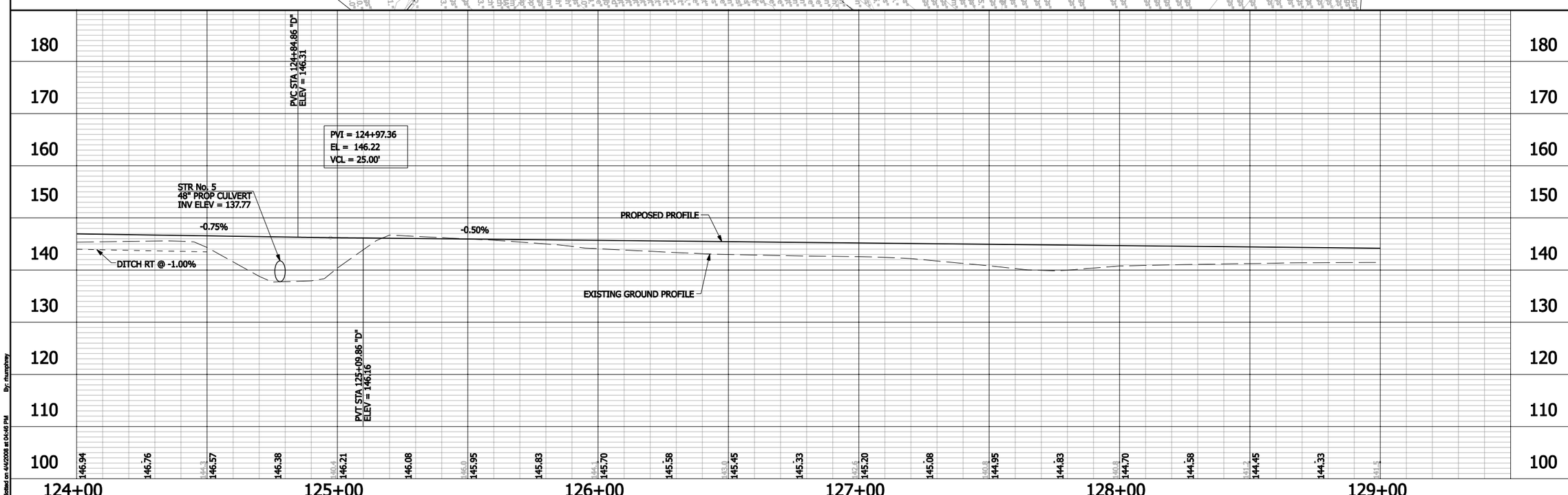
20068220

C020

Posted on 4/4/2008 at 04:46 PM By: rhumphrey

Model: PNP_05 Drawing: U:\Transportation\20068220 GNV New Access Road\30 Sheet Drawings\10 Sets\R-PNP-D.dgn





REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
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ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
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ACCESS ROAD

PLAN & PROFILE - LINE "D"

GAINESVILLE REGIONAL AIRPORT

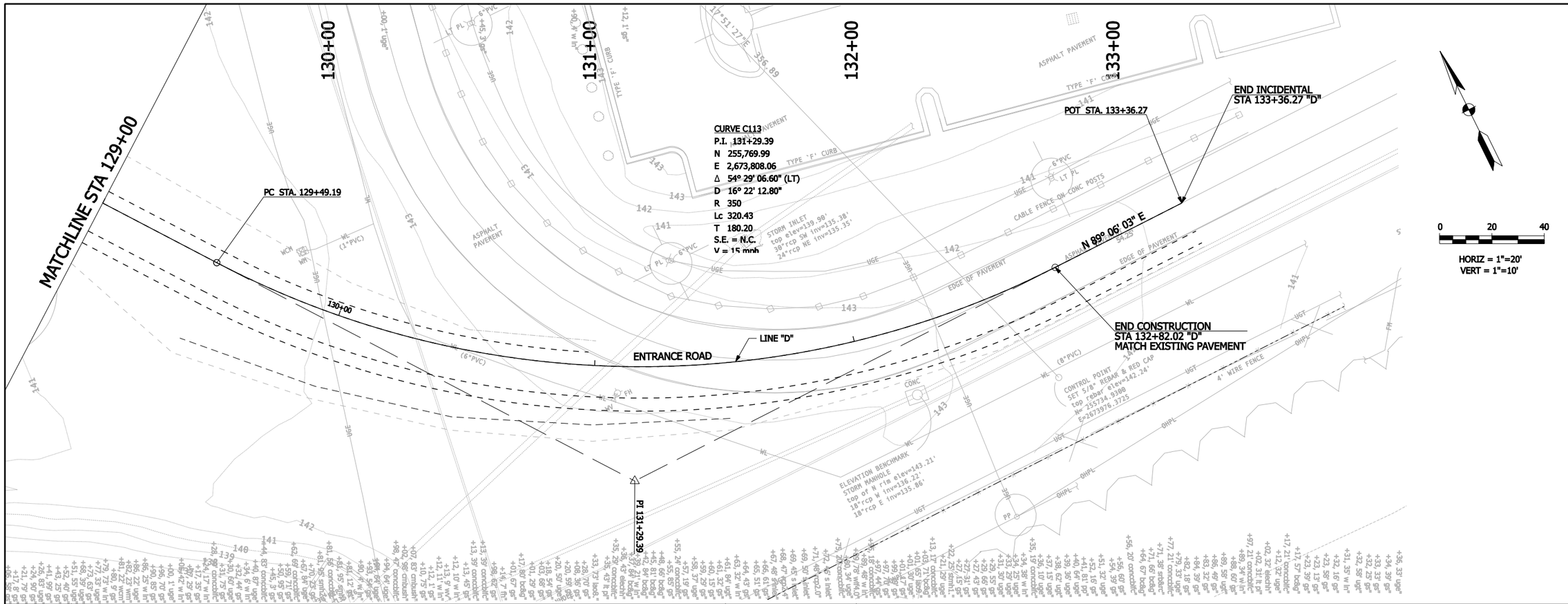
GAINESVILLE, FL

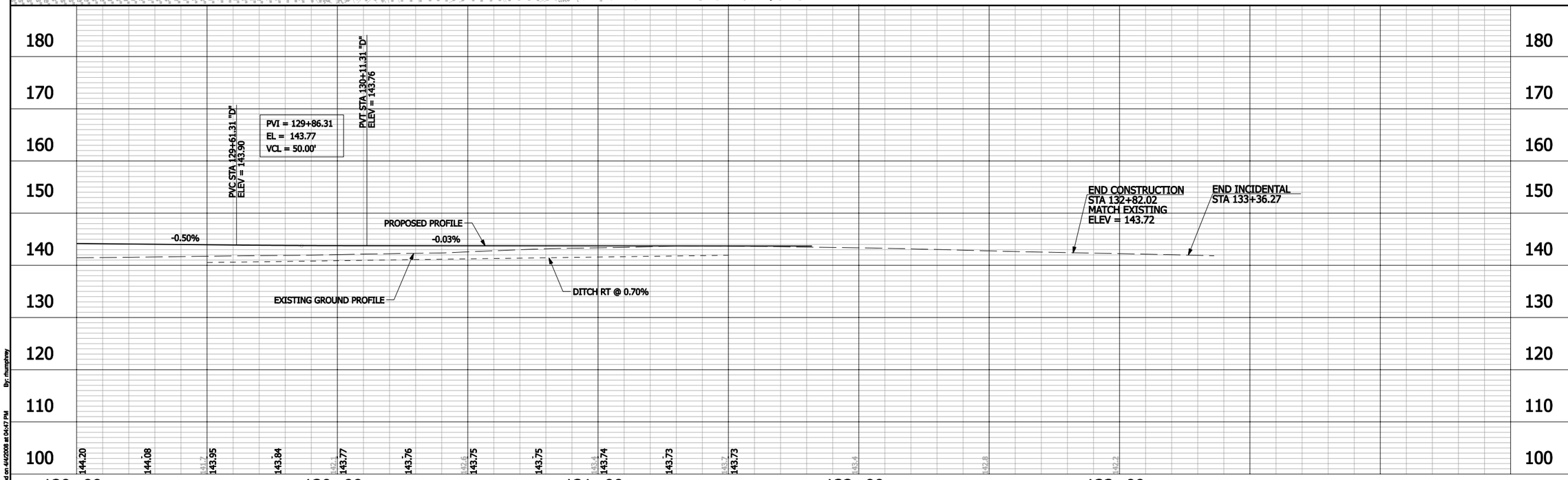
DATE: 01-18-08	APPROVED RMH	REVIEWED TF	DESIGNED RMH	DRAWN MSP	20068220

C021

Plotted on 4/4/2008 at 04:46 PM By: rhumphrey

Model: PNP_06 Drawing: U:\Transportation\20068220 GNV New Access Road\30 Sheet Drawings\10 Sets\R-PNP-D.dgn





REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG

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PLAN & PROFILE - LINE "D"

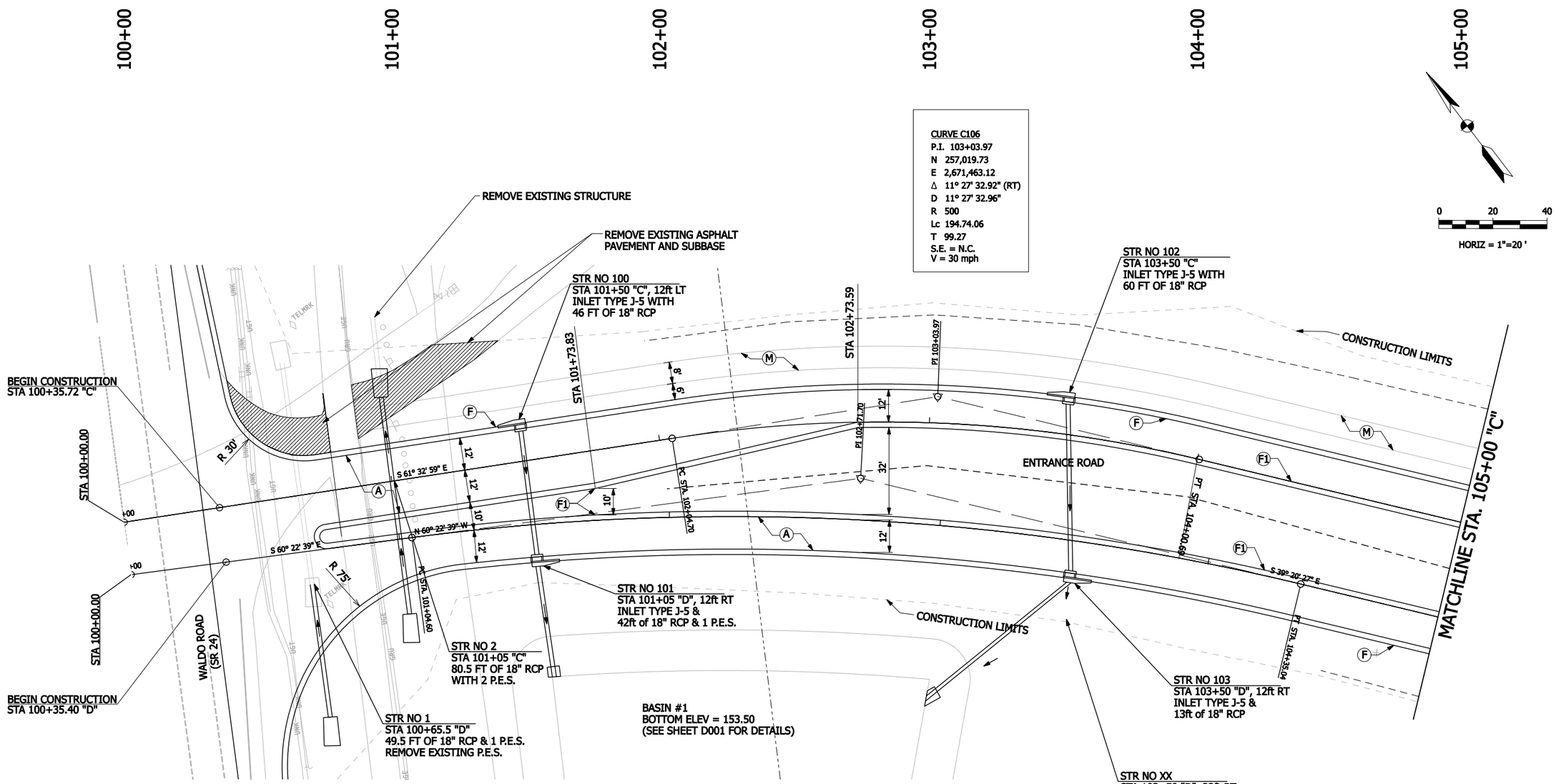
GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DATE: 01-18-08	APPROVED RMH	REVIEWED TF	DESIGNED RMH	DRAWN MSP	20068220

C022

By: rhumphrey
Plotted on 4/4/2008 at 04:47 PM
Model: PNP_07
Drawing: U:\Transportation\20068220 GNV New Access Road\30 Sheet Drawings\10 Sets\1-PNP-D.dgn



LEGEND

- (A) PROPOSED PAVEMENT
- (F) CURB, TYPE F
- (F1) CURB, TYPE F, MODIFIED
- (M) SHARED USE PATH, ASPHALT
- ⊠ TREE REMOVAL

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

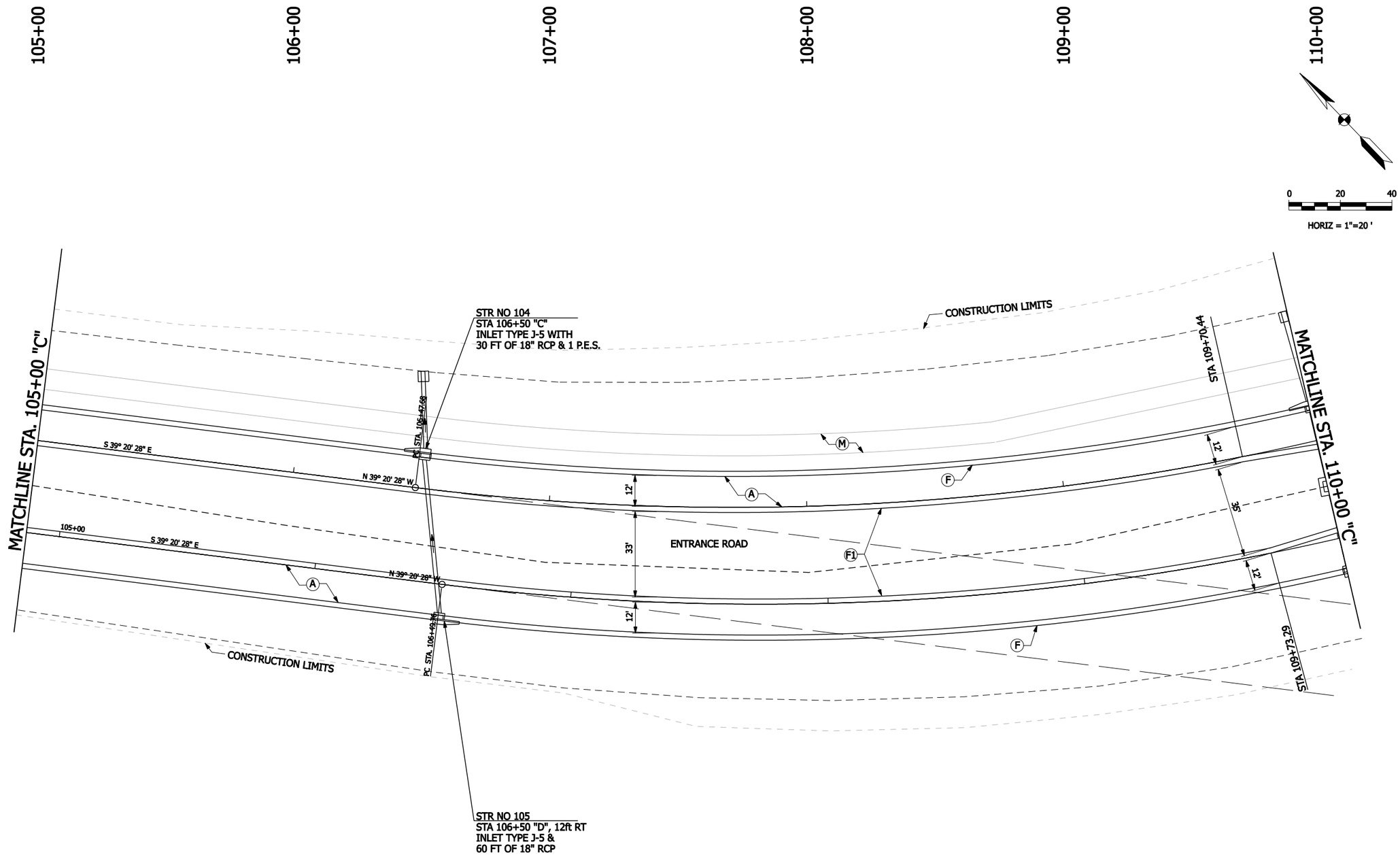
ARMSTRONG
4087 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
Certificate of Authorization #8455

ACCESS ROAD
CONSTRUCTION DETAILS
LINES "C" & "D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20068220

C023



LEGEND

- (A) PROPOSED PAVEMENT
- (F) CURB, TYPE F
- (F1) CURB, TYPE F, MODIFIED
- (M) SHARED USE PATH, ASPHALT
- ⊠ TREE REMOVAL

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
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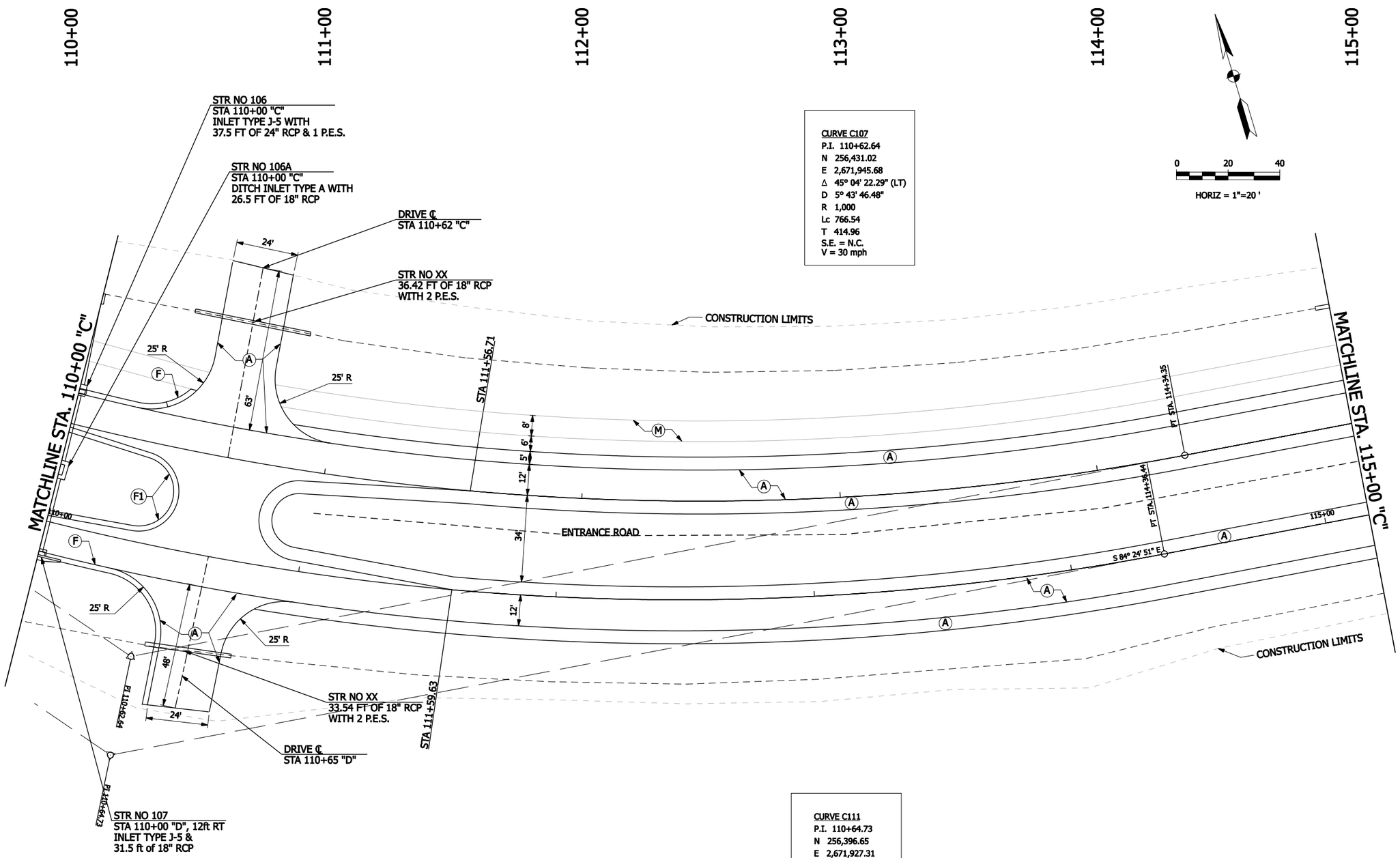
ACCESS ROAD
CONSTRUCTION DETAILS
LINES "C" & "D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20068220

C024



CURVE C107
P.I. 110+62.64
N 256,431.02
E 2,671,945.68
Δ 45° 04' 22.29" (LT)
D 5° 43' 46.48"
R 1,000
Lc 766.54
T 414.96
S.E. = N.C.
V = 30 mph

CURVE C111
P.I. 110+64.73
N 256,396.65
E 2,671,927.31
Δ 45° 04' 22.29" (LT)
D 5° 43' 46.48"
R 1,000
Lc 766.54
T 414.96
S.E. = N.C.
V = 30 mph

LEGEND
- (A) PROPOSED PAVEMENT
- (F) CURB, TYPE F
- (F1) CURB, TYPE F, MODIFIED
- (M) SHARED USE PATH, ASPHALT
- ⊠ TREE REMOVAL

REV	DESCRIPTION	DATE	BY

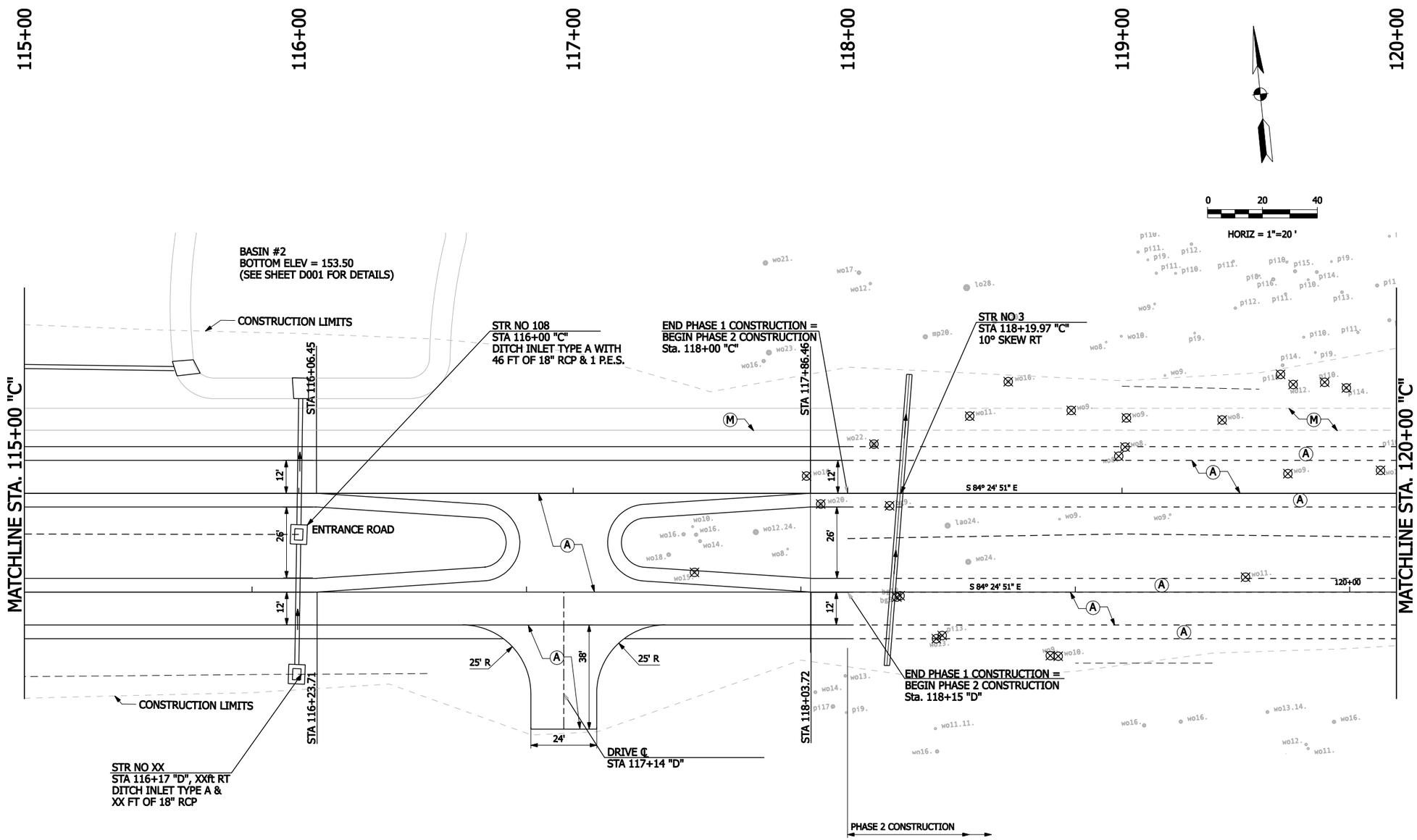
Rachel M. Henry, P.E.
Florida P.E. No. 84455

ARMSTRONG
4987 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
Certificate of Authorization #8455

ACCESS ROAD
CONSTRUCTION DETAILS
LINES "C" & "D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

20068220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C025



LEGEND

- (A) PROPOSED PAVEMENT
- (F) CURB, TYPE F
- (F1) CURB, TYPE F, MODIFIED
- (M) SHARED USE PATH, ASPHALT
- ⊠ TREE REMOVAL

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 84455

ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
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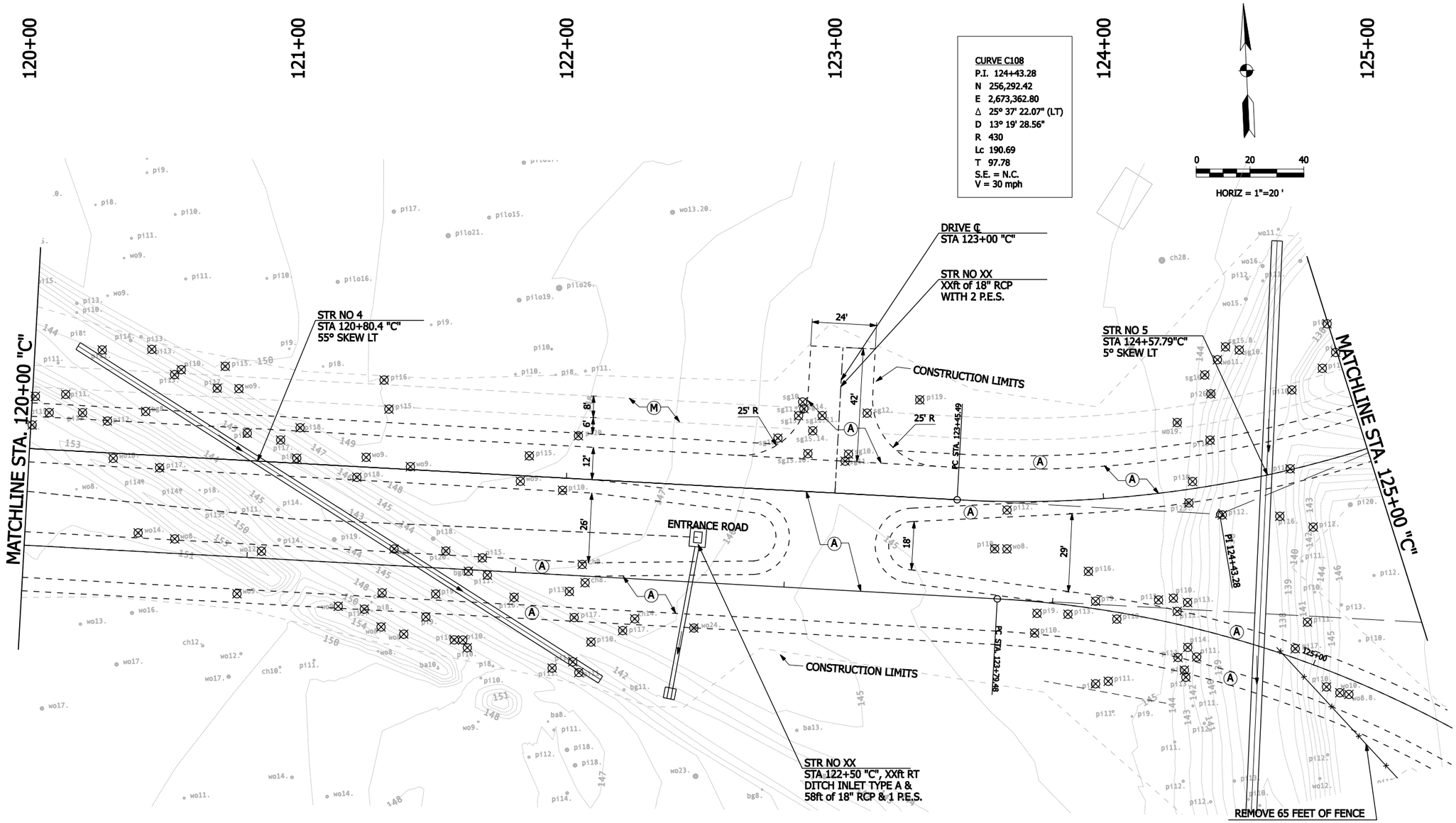
ACCESS ROAD
CONSTRUCTION DETAILS
LINES "C" & "D"

GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C026



LEGEND

- (A) PROPOSED PAVEMENT
- (F) CURB, TYPE F
- (F1) CURB, TYPE F, MODIFIED
- (M) SHARED USE PATH, ASPHALT
- ⊠ TREE REMOVAL

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 84455

ARMSTRONG
4987 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
Certificate of Authorization #8455

ACCESS ROAD
CONSTRUCTION DETAILS
LINES "C" & "D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

20060220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C027

LEGEND

- (A) PROPOSED PAVEMENT
- (F) CURB, TYPE F
- (F1) CURB, TYPE F, MODIFIED
- (M) SHARED USE PATH, ASPHALT
- ⊠ TREE REMOVAL

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 84455

ARMSTRONG.
4887 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
Certificate of Authorization #8455

ACCESS ROAD
CONSTRUCTION DETAILS
LINE "C"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C028

LEGEND

- (A) PROPOSED PAVEMENT
- (F) CURB, TYPE F
- (F1) CURB, TYPE F, MODIFIED
- (M) SHARED USE PATH, ASPHALT
- ⊠ TREE REMOVAL

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG

4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
Certificate of Authorization #8455

ACCESS ROAD

CONSTRUCTION DETAILS
LINE "C"

GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20068220

C029

CURVE C112
P.I. 125+57.57
N 256,247.13
E 2,673,456.11
Δ 48° 00' 00.37" (RT)
D 14° 19' 26.20"
R 400
Lc 325.39
T 178.09
S.E. = N.C.
V = 15 mph

LEGEND
- (A) PROPOSED PAVEMENT
- (F) CURB, TYPE F
- (F1) CURB, TYPE F, MODIFIED
- (M) SHARED USE PATH, ASPHALT
- ⊠ TREE REMOVAL

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

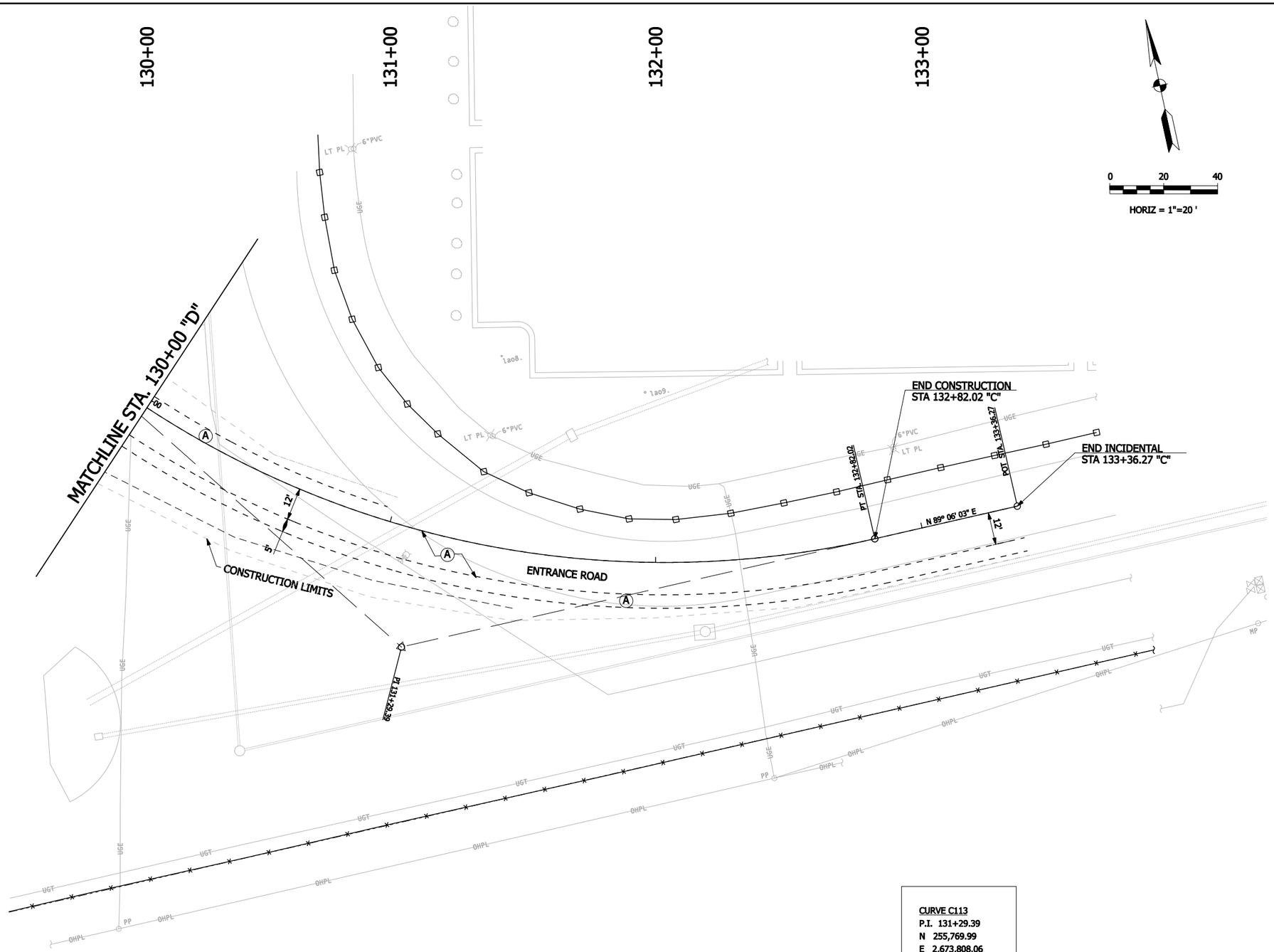
ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
Certificate of Authorization #8455

ACCESS ROAD
CONSTRUCTION DETAILS
LINE "D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C030



CURVE C113
P.I. 131+29.39
N 255,769.99
E 2,673,808.06
Δ 54° 29' 06.60" (LT)
D 16° 22' 12.80"
R 350
Lc 320.43
T 180.20
S.E. = N.C.
V = 15 mph

LEGEND
- (A) PROPOSED PAVEMENT
- (F) CURB, TYPE F
- (F1) CURB, TYPE F, MODIFIED
- (M) SHARED USE PATH, ASPHALT
- ⊠ TREE REMOVAL

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 84455

ARMSTRONG
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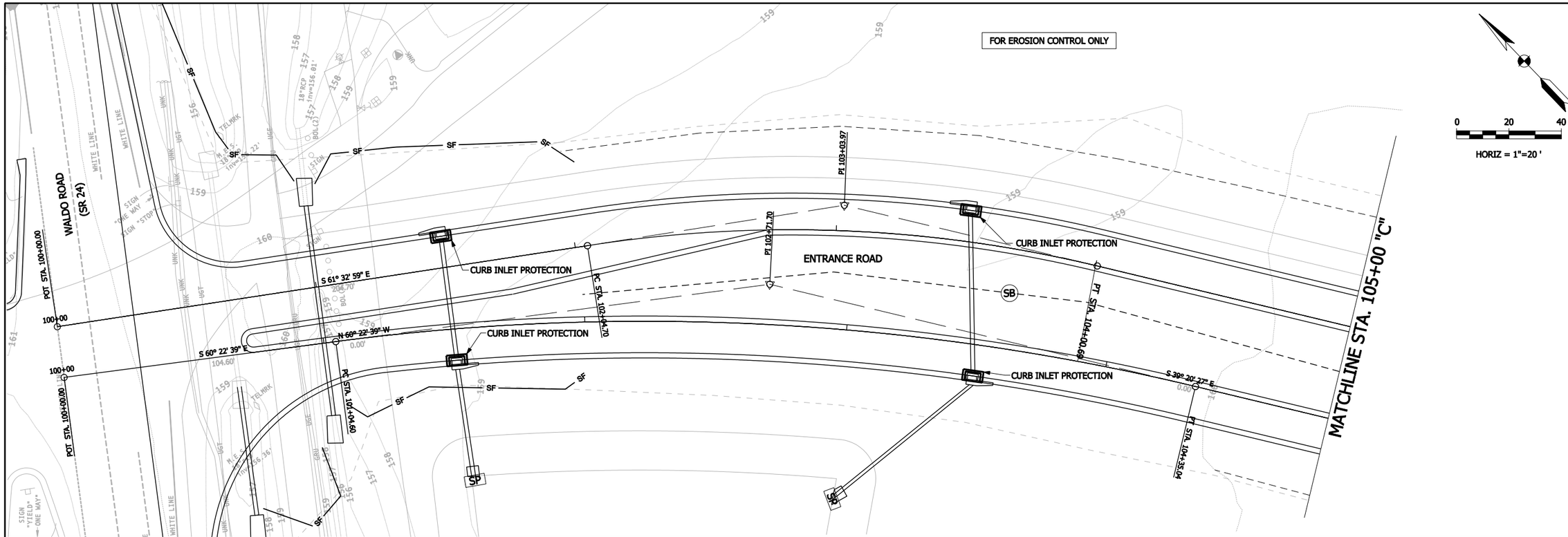
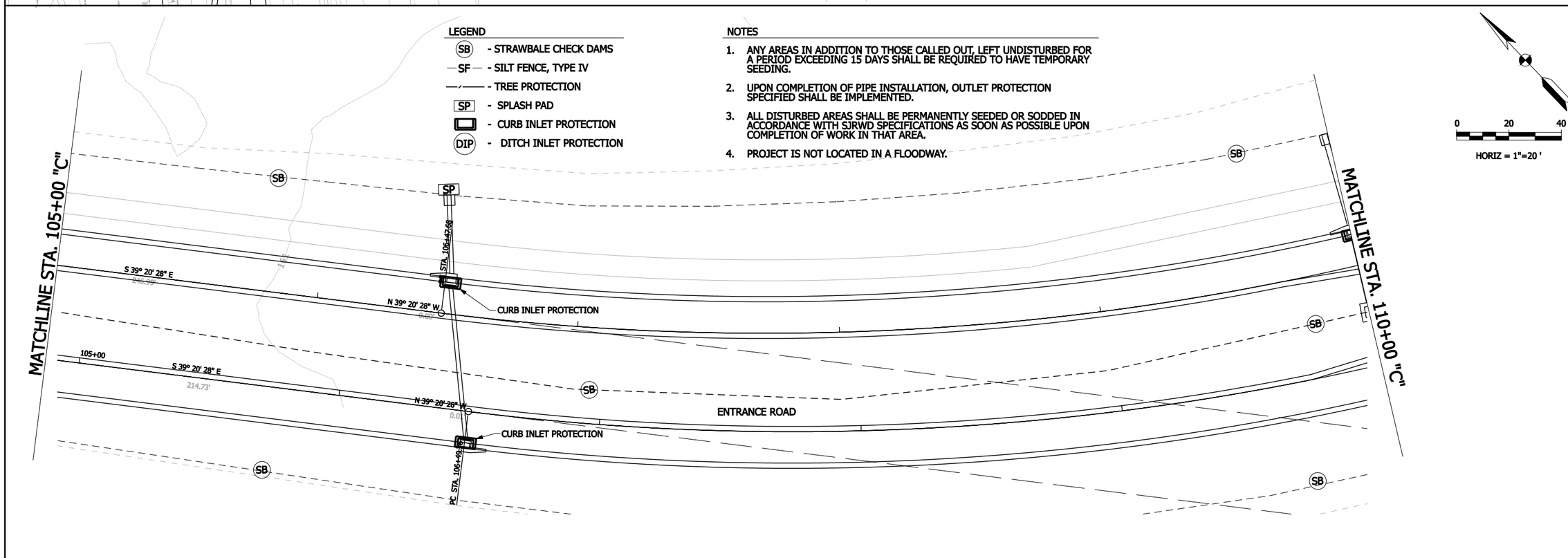
ACCESS ROAD
CONSTRUCTION DETAILS
LINE "D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C031





REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
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ACCESS ROAD
EROSION & SEDIMENT CONTROL PLANS
LINES "C"&"D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DATE: 01-18-08	APPROVED RMH	REVIEWED TF	DESIGNED RMH	DRAWN MSP	20086220

C032

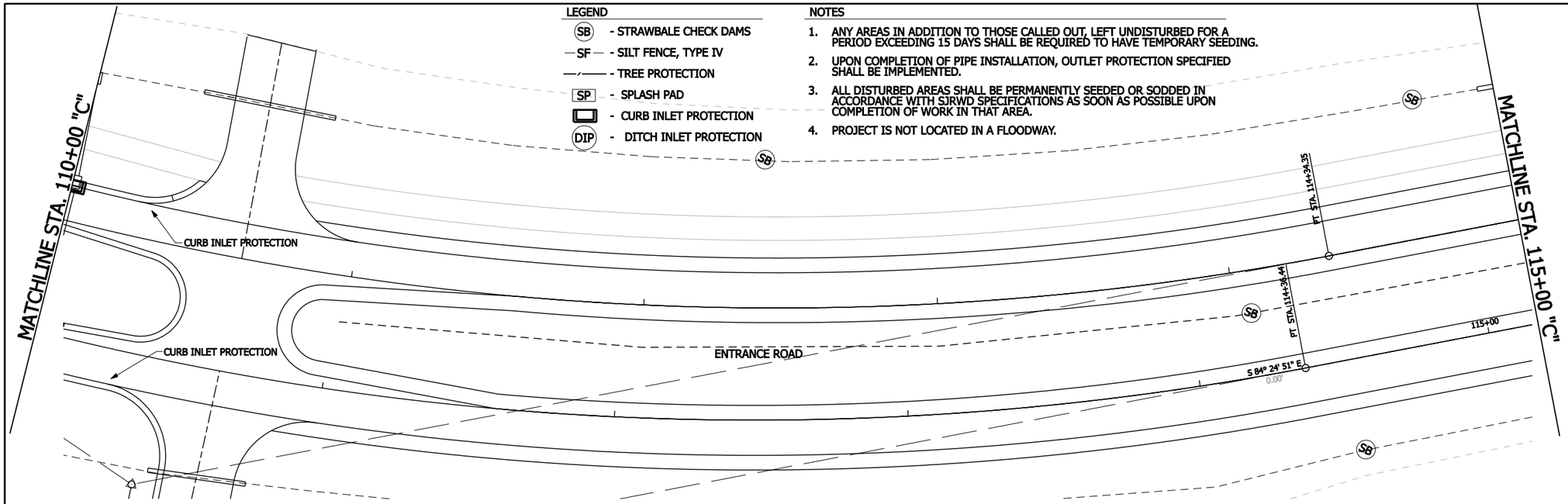
LEGEND

- SB - STRAWBALE CHECK DAMS
- SF - SILT FENCE, TYPE IV
- TREE PROTECTION
- SP - SPLASH PAD
- CURB INLET PROTECTION
- DIP - DITCH INLET PROTECTION

NOTES

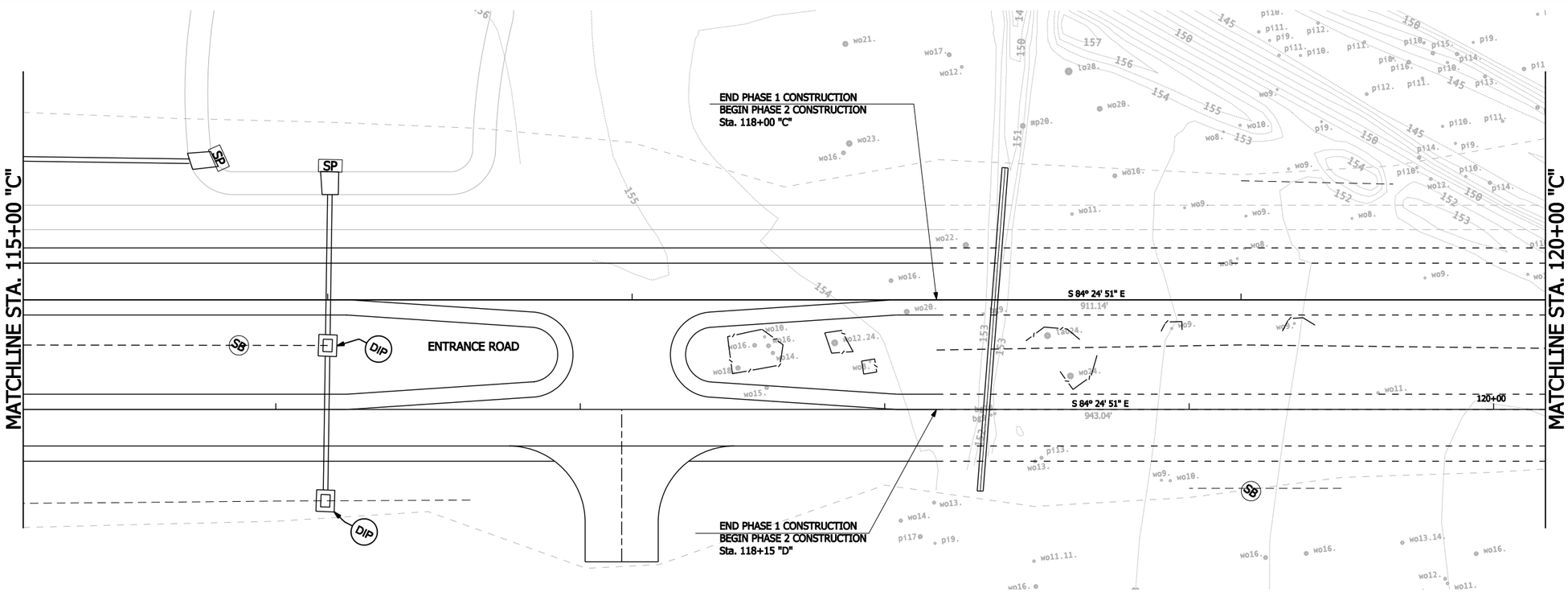
1. ANY AREAS IN ADDITION TO THOSE CALLED OUT, LEFT UNDISTURBED FOR A PERIOD EXCEEDING 15 DAYS SHALL BE REQUIRED TO HAVE TEMPORARY SEEDING.
2. UPON COMPLETION OF PIPE INSTALLATION, OUTLET PROTECTION SPECIFIED SHALL BE IMPLEMENTED.
3. ALL DISTURBED AREAS SHALL BE PERMANENTLY SEEDED OR SODDED IN ACCORDANCE WITH SJRWD SPECIFICATIONS AS SOON AS POSSIBLE UPON COMPLETION OF WORK IN THAT AREA.
4. PROJECT IS NOT LOCATED IN A FLOODWAY.

FOR EROSION CONTROL ONLY



0 20 40

HORIZ = 1"=20 '



0 20 40

HORIZ = 1"=20 '

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 84455

ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-5066
Certificate of Authorization #8455

ACCESS ROAD

EROSION & SEDIMENT CONTROL PLANS LINES "C"&"D"

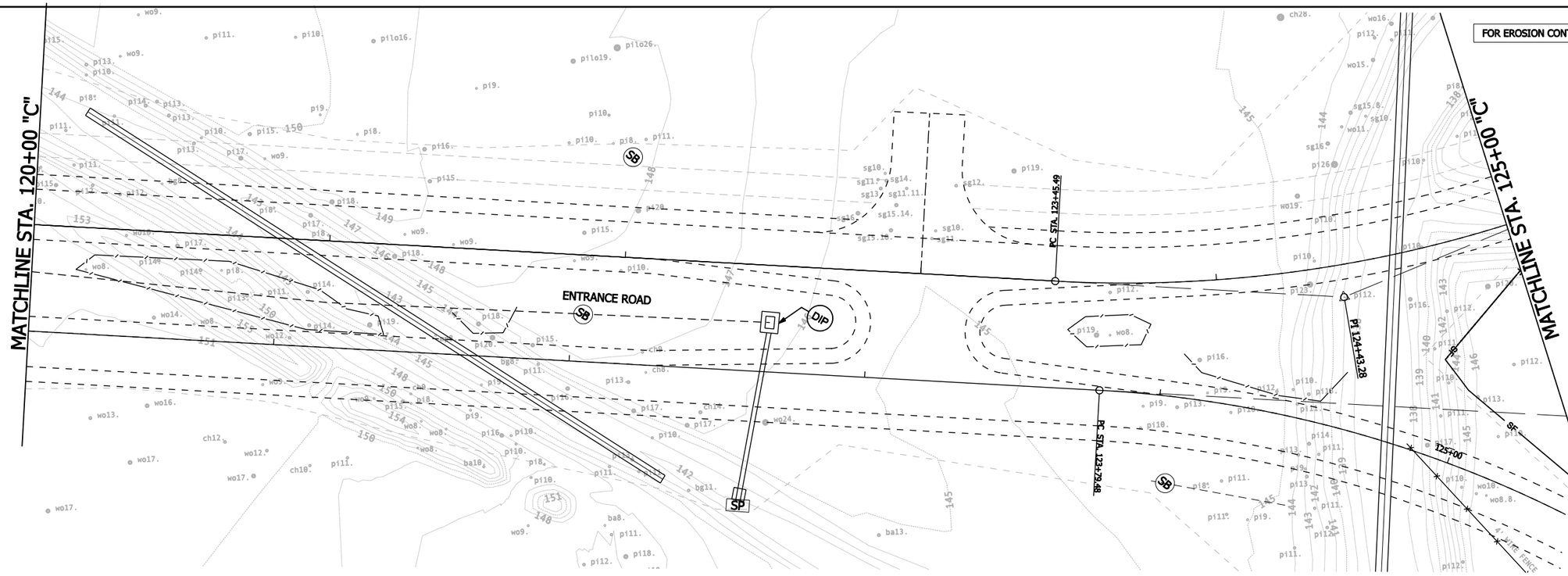
GAINESVILLE REGIONAL AIRPORT

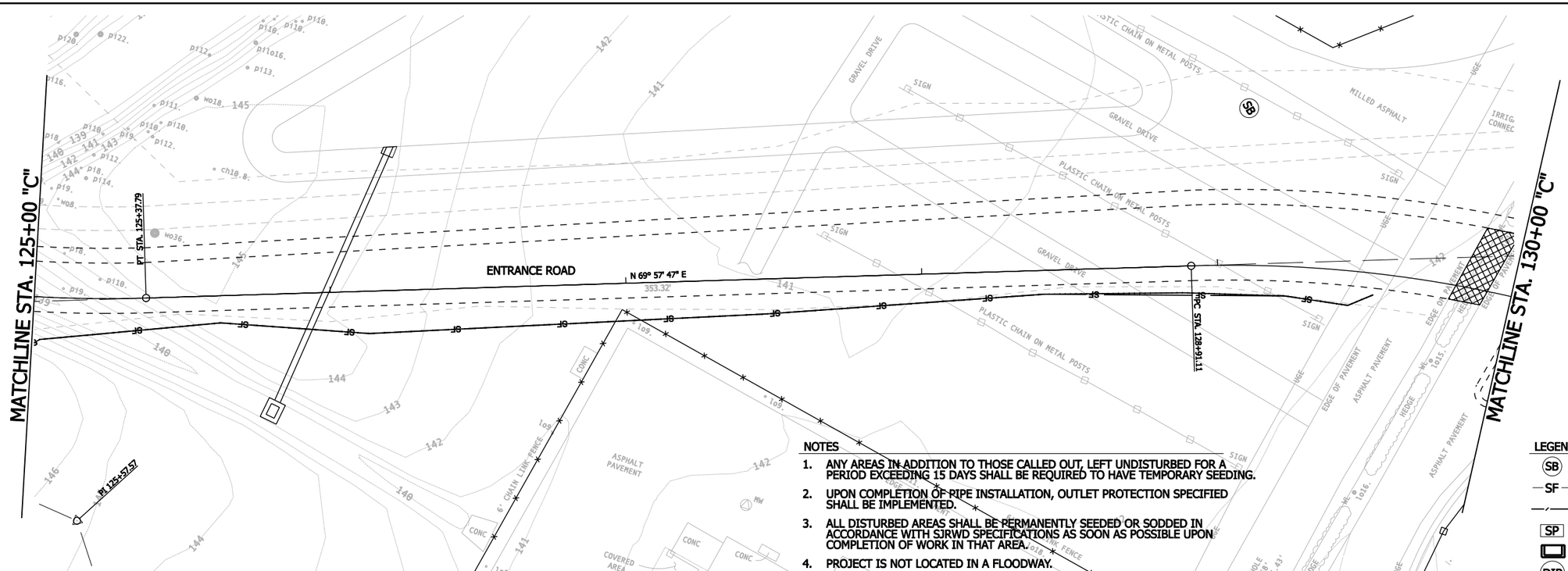
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C033





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4. PROJECT IS NOT LOCATED IN A FLOODWAY.

LEGEND

- (SB) - STRAWBALE CHECK DAMS
- —SF— - SILT FENCE, TYPE IV
- —/—— - TREE PROTECTION
- [SP] - SPLASH PAD
- [ ] - CURB INLET PROTECTION
- (DIP) - DITCH INLET PROTECTION

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 84455

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ACCESS ROAD

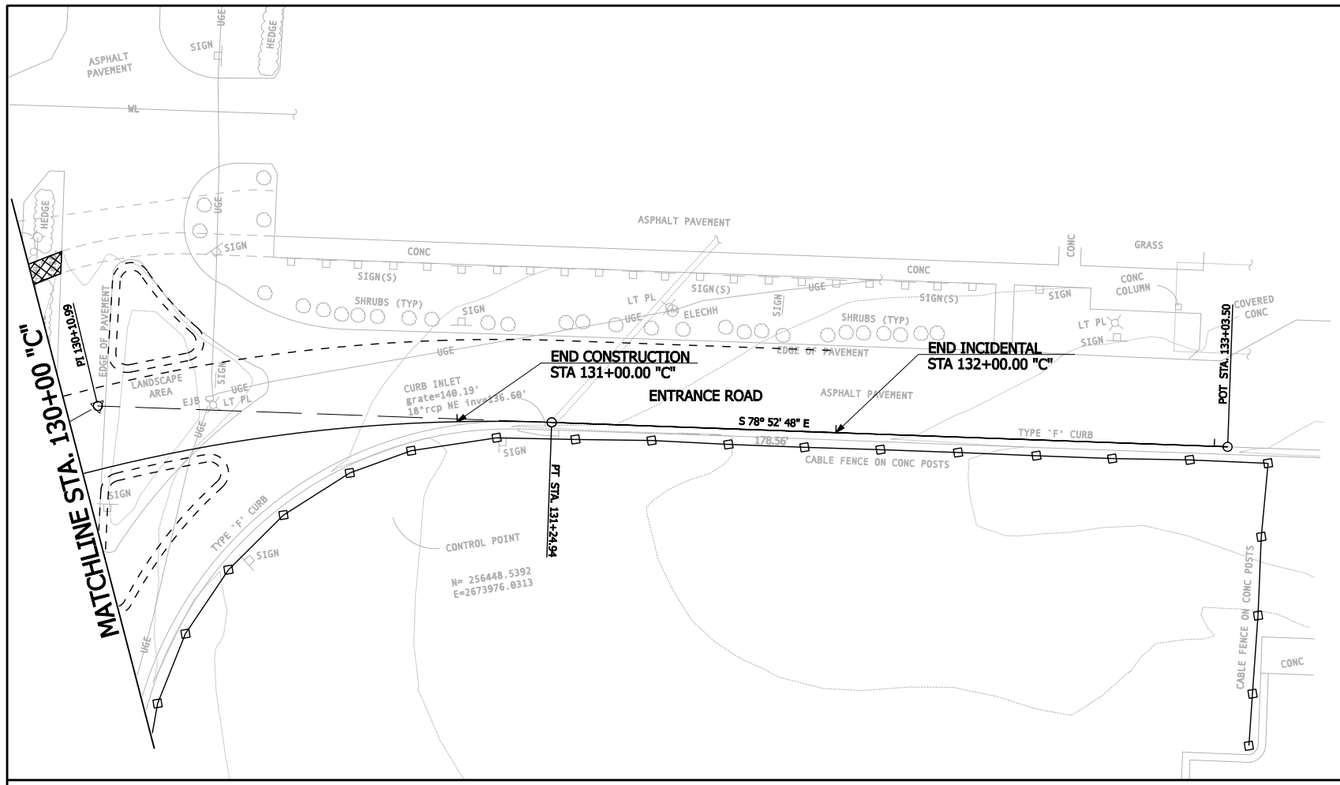
EROSION & SEDIMENT CONTROL PLANS
LINE " C"

GAINESVILLE REGIONAL AIRPORT — GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C034



FOR EROSION CONTROL ONLY

0 20 40

HORIZ = 1"=20 '

LEGEND

- (SB) - STRAWBALE CHECK DAMS
- —SF— - SILT FENCE, TYPE IV
- —/— - TREE PROTECTION
- SP - SPLASH PAD
- - CURB INLET PROTECTION
- (DIP) - DITCH INLET PROTECTION

NOTES

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ACCESS ROAD

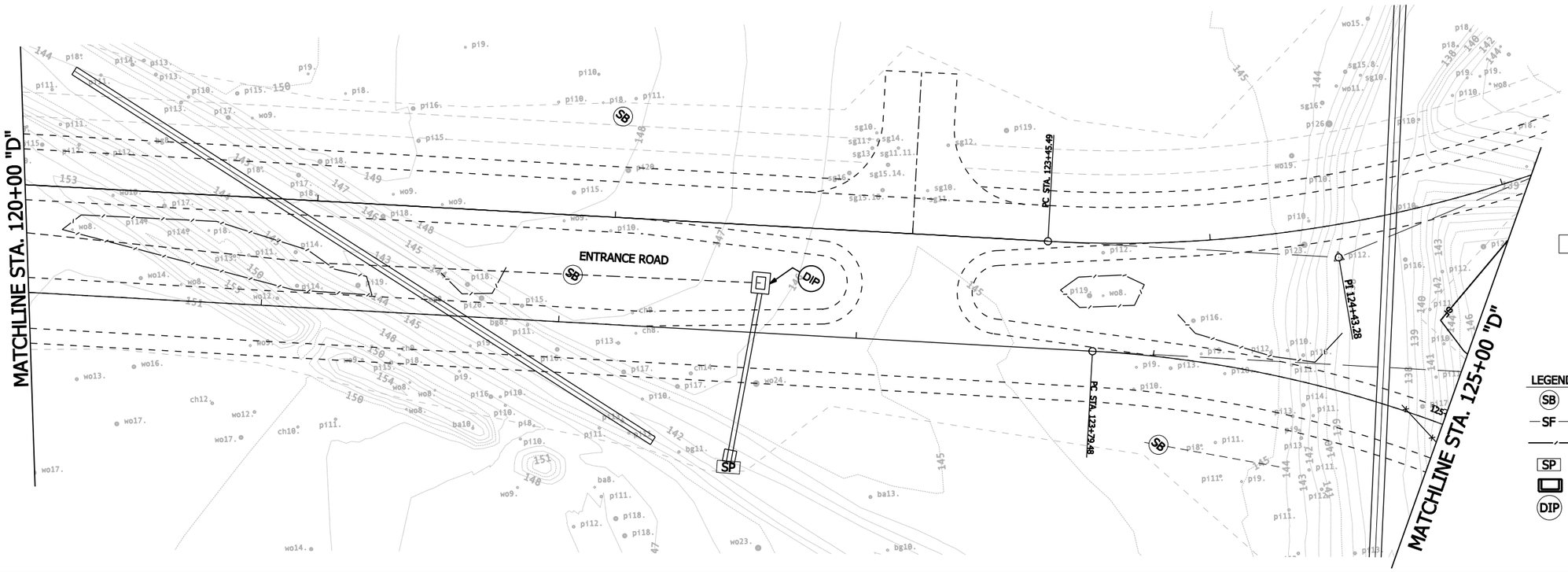
EROSION & SEDIMENT CONTROL PLANS
LINE " C"

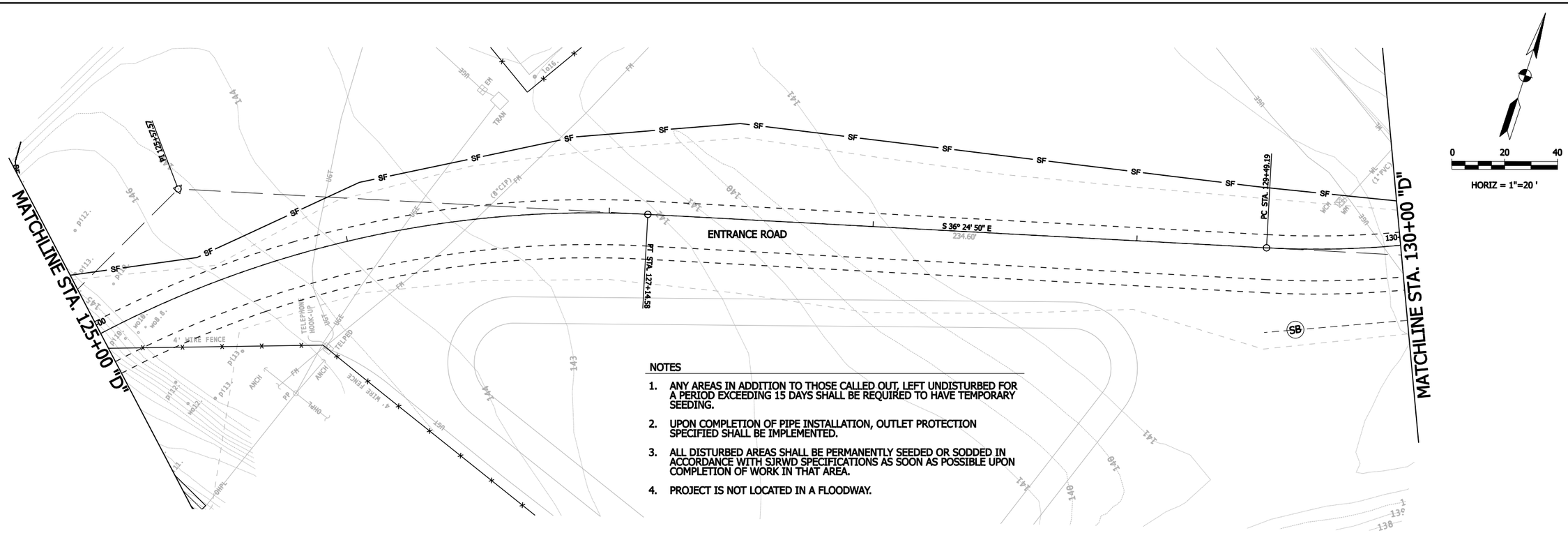
GAINESVILLE REGIONAL AIRPORT

GAINESVILLE, FL

20066220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C035





NOTES

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REV	DESCRIPTION	DATE	BY

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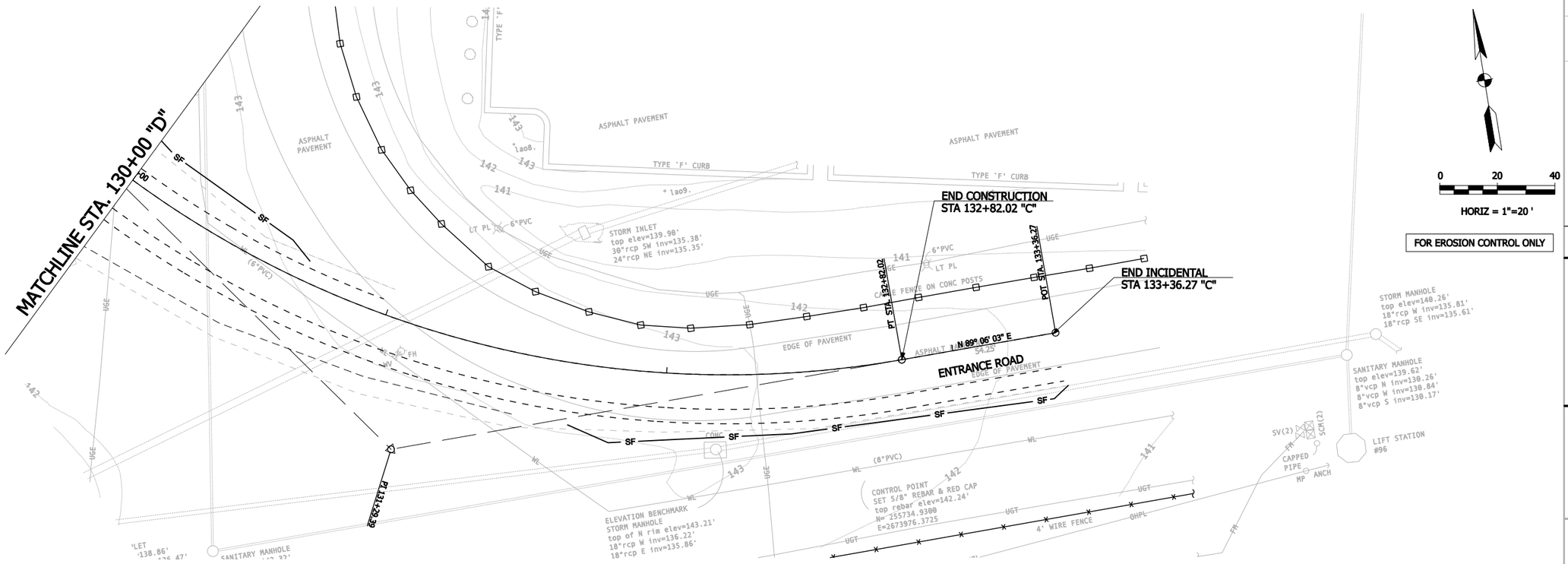
ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
Certificate of Authorization #8455

ACCESS ROAD
EROSION & SEDIMENT CONTROL PLANS
LINE " D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

20086220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C036



FOR EROSION CONTROL ONLY

LEGEND

- SB - STRAWBALE CHECK DAMS
- SF - SILT FENCE, TYPE IV
- TREE PROTECTION
- SP - SPLASH PAD
- CURB INLET PROTECTION
- DIP - DITCH INLET PROTECTION

NOTES

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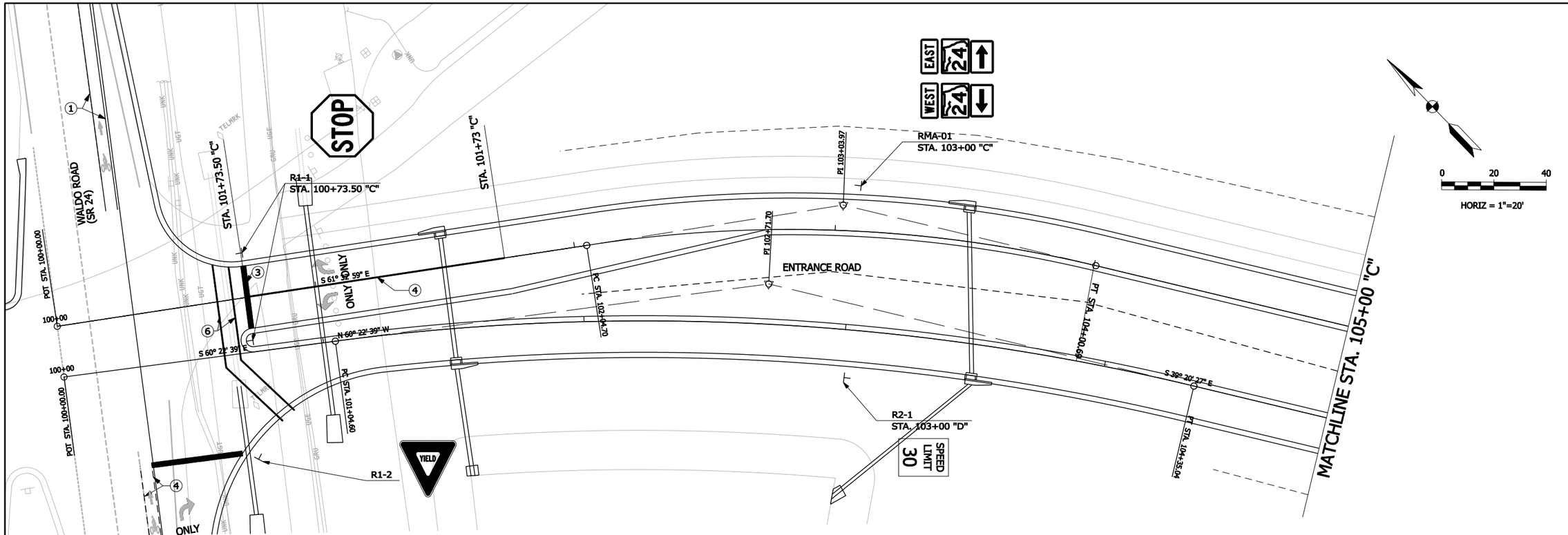
ACCESS ROAD
EROSION CONTROL PLANS
LINE " D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

20086220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C037

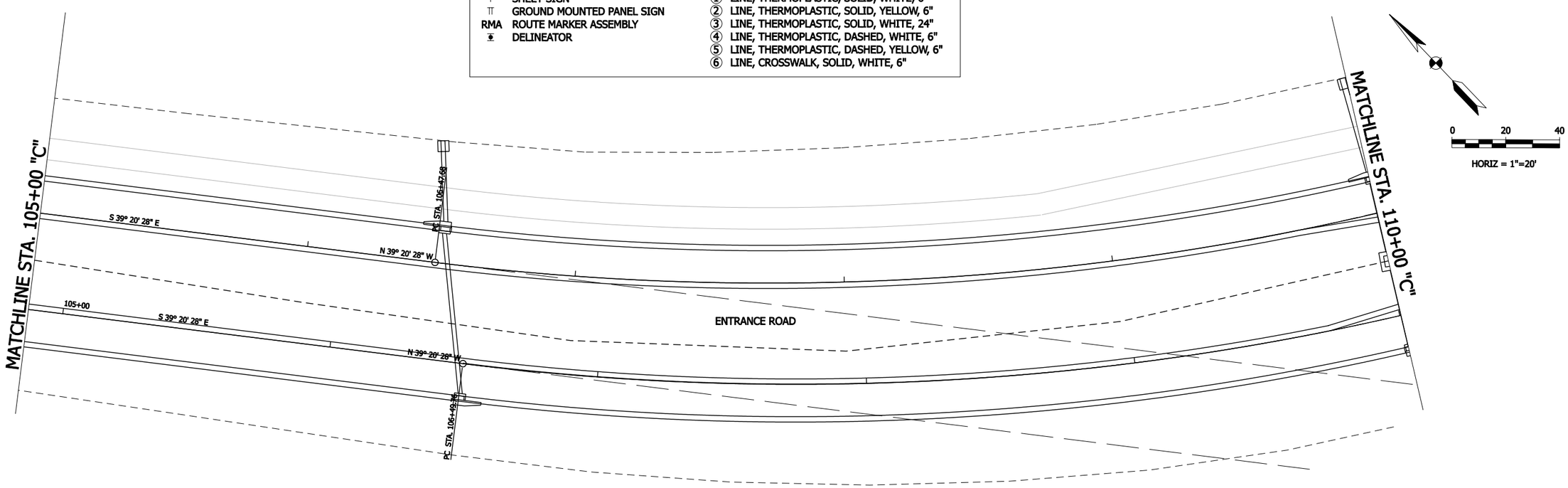


LEGEND - SIGNING

- SHEET SIGN
- GROUND MOUNTED PANEL SIGN
- RMA ROUTE MARKER ASSEMBLY
- DELINEATOR

LEGEND - PAVEMENT MARKINGS

1. LINE, THERMOPLASTIC, SOLID, WHITE, 6"
2. LINE, THERMOPLASTIC, SOLID, YELLOW, 6"
3. LINE, THERMOPLASTIC, SOLID, WHITE, 24"
4. LINE, THERMOPLASTIC, DASHED, WHITE, 6"
5. LINE, THERMOPLASTIC, DASHED, YELLOW, 6"
6. LINE, CROSSWALK, SOLID, WHITE, 6"



REV	DESCRIPTION	DATE	BY

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ARMSTRONG.
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
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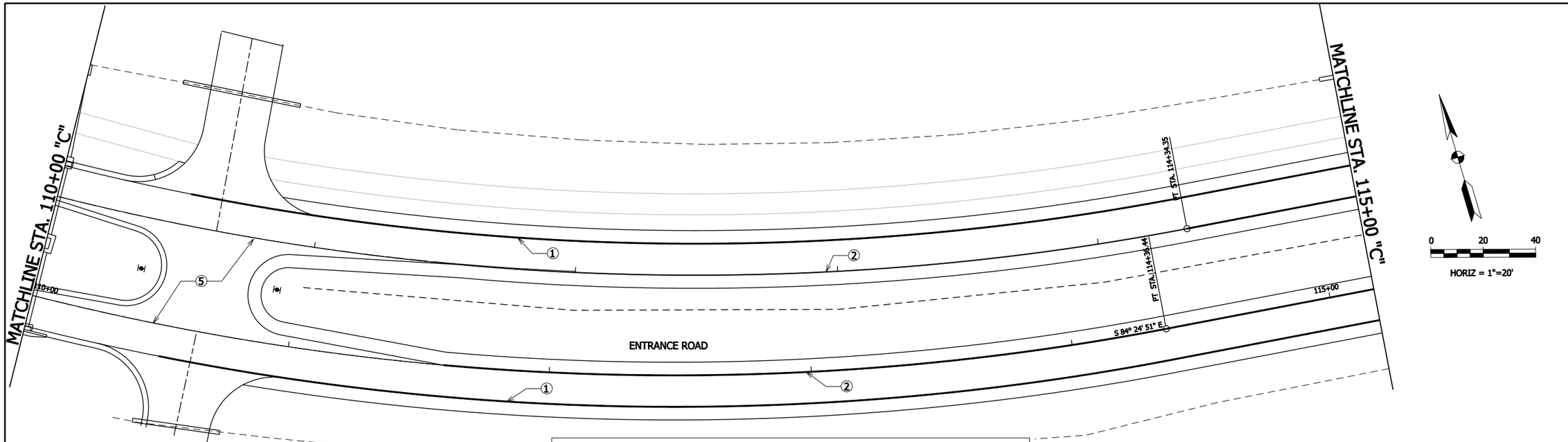
ACCESS ROAD
PAVEMENT MARKINGS
& SIGN DETAILS - LINES "C" & "D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C038



LEGEND - SIGNING

- SHEET SIGN
- GROUND MOUNTED PANEL SIGN
- RMA ROUTE MARKER ASSEMBLY
- DELINEATOR

LEGEND - PAVEMENT MARKINGS

1. LINE, THERMOPLASTIC, SOLID, WHITE, 6"
2. LINE, THERMOPLASTIC, SOLID, YELLOW, 6"
3. LINE, THERMOPLASTIC, SOLID, WHITE, 24"
4. LINE, THERMOPLASTIC, DASHED, WHITE, 6"
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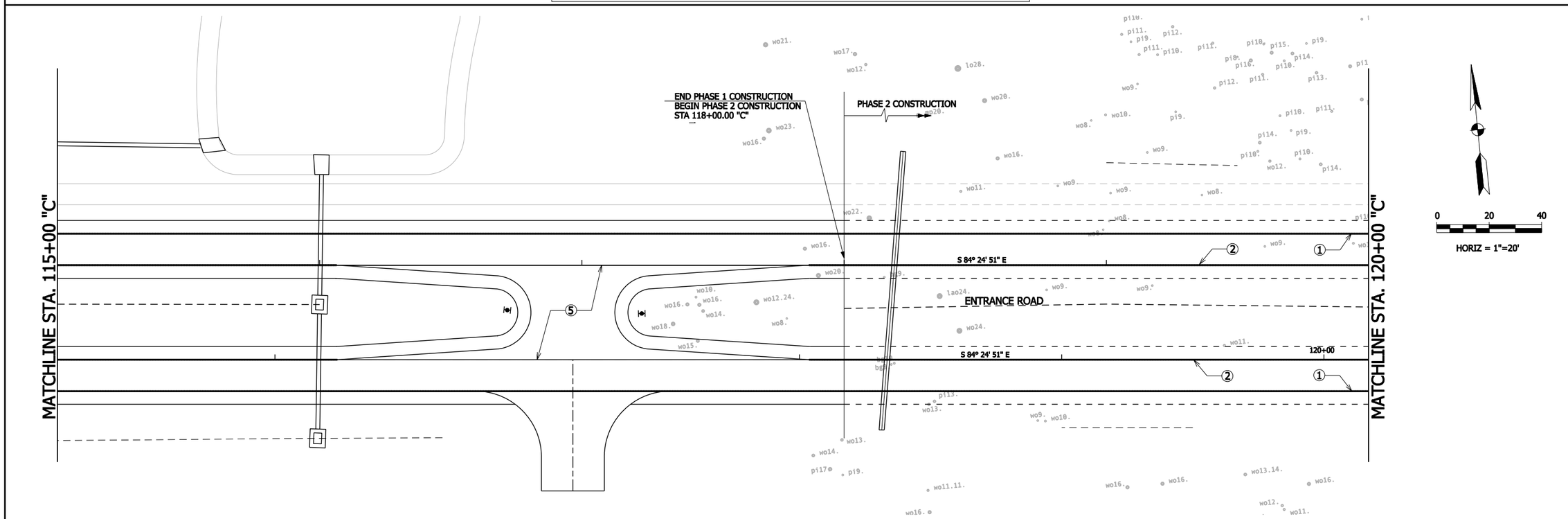
6. LINE, CROSSWALK, SOLID, WHITE, 6"



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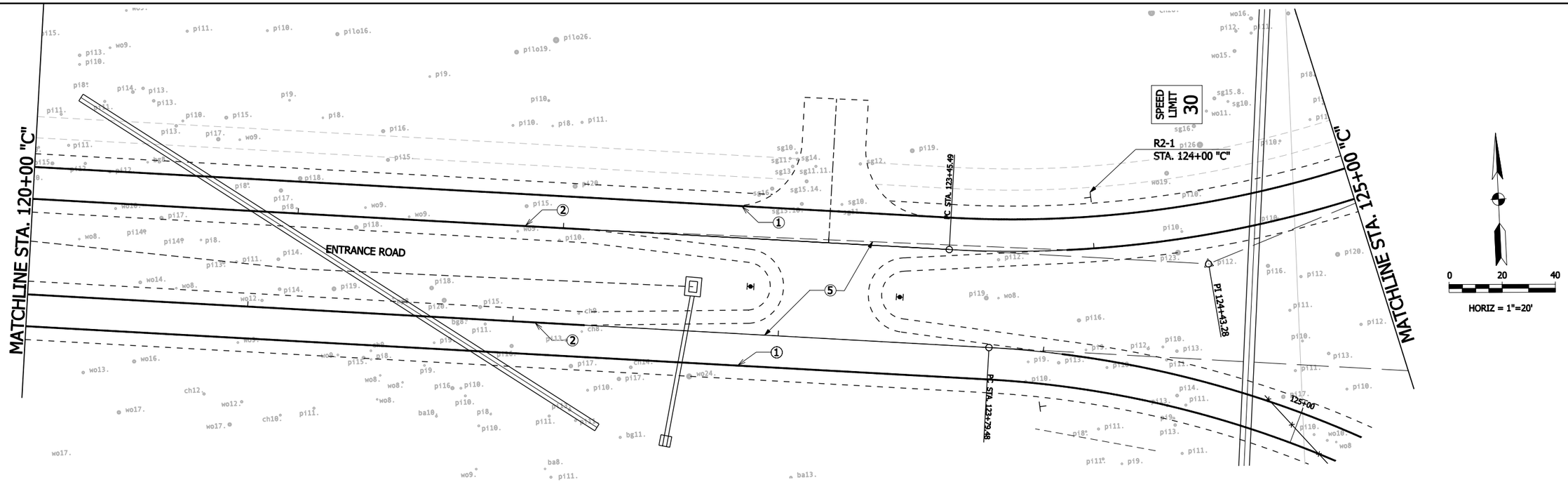
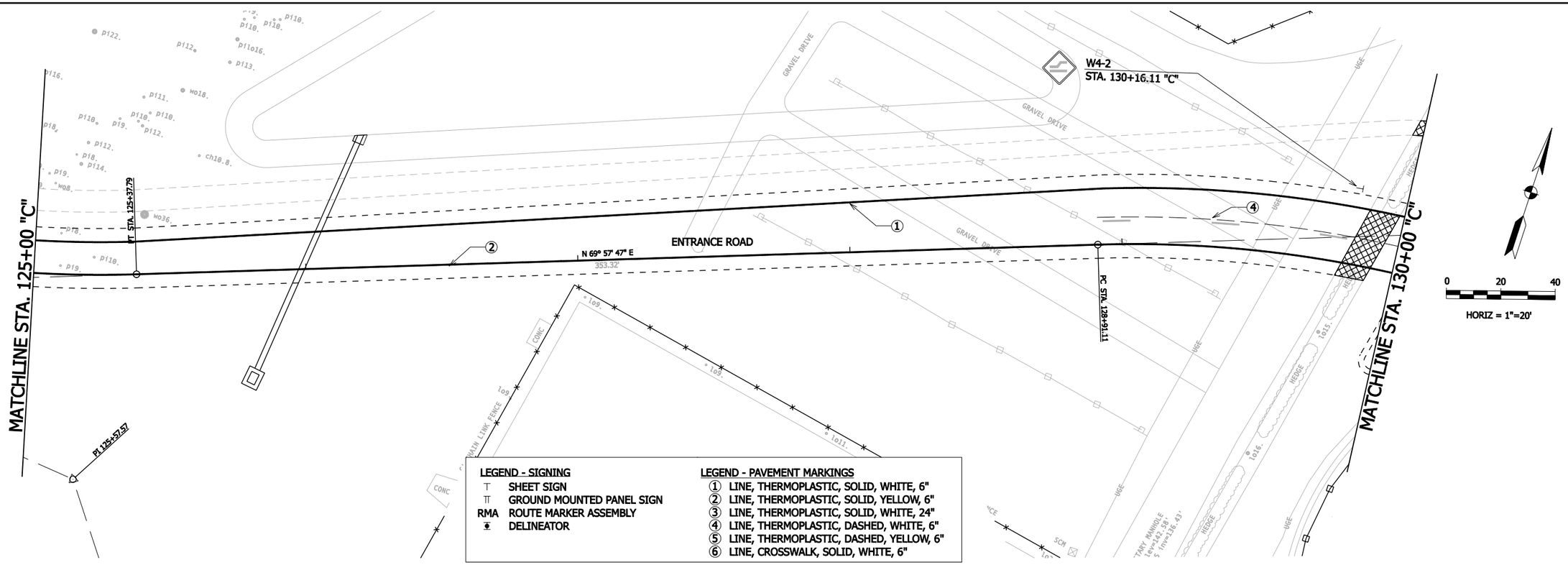
ACCESS ROAD
PAVEMENT MARKINGS
& SIGN DETAILS - LINES "C" & "D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20086220

C039





LEGEND - SIGNING

- ⊤ SHEET SIGN
- ⊤⊤ GROUND MOUNTED PANEL SIGN
- RMA ROUTE MARKER ASSEMBLY
- DELINEATOR

LEGEND - PAVEMENT MARKINGS

1. LINE, THERMOPLASTIC, SOLID, WHITE, 6"
2. LINE, THERMOPLASTIC, SOLID, YELLOW, 6"
3. LINE, THERMOPLASTIC, SOLID, WHITE, 24"
4. LINE, THERMOPLASTIC, DASHED, WHITE, 6"
5. LINE, THERMOPLASTIC, DASHED, YELLOW, 6"
6. LINE, CROSSWALK, SOLID, WHITE, 6"

REV	DESCRIPTION	DATE	BY

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ARMSTRONG.
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ACCESS ROAD

PAVEMENT MARKINGS & SIGN DETAILS - LINE " C"

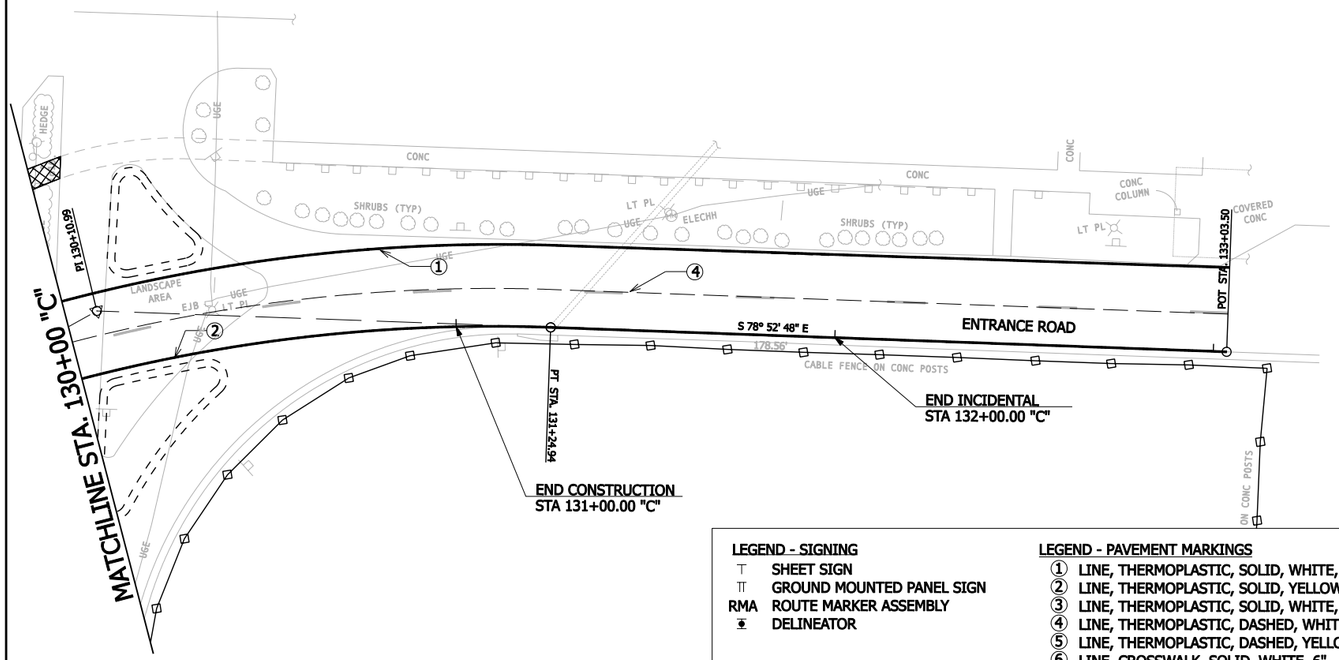
GAINESVILLE REGIONAL AIRPORT

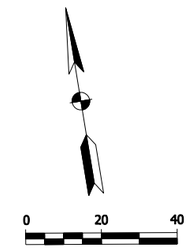
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C040





LEGEND - SIGNING

- SHEET SIGN
- GROUND MOUNTED PANEL SIGN
- RMA ROUTE MARKER ASSEMBLY
- DELINEATOR

LEGEND - PAVEMENT MARKINGS

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REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG
4687 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
Certificate of Authorization #8455

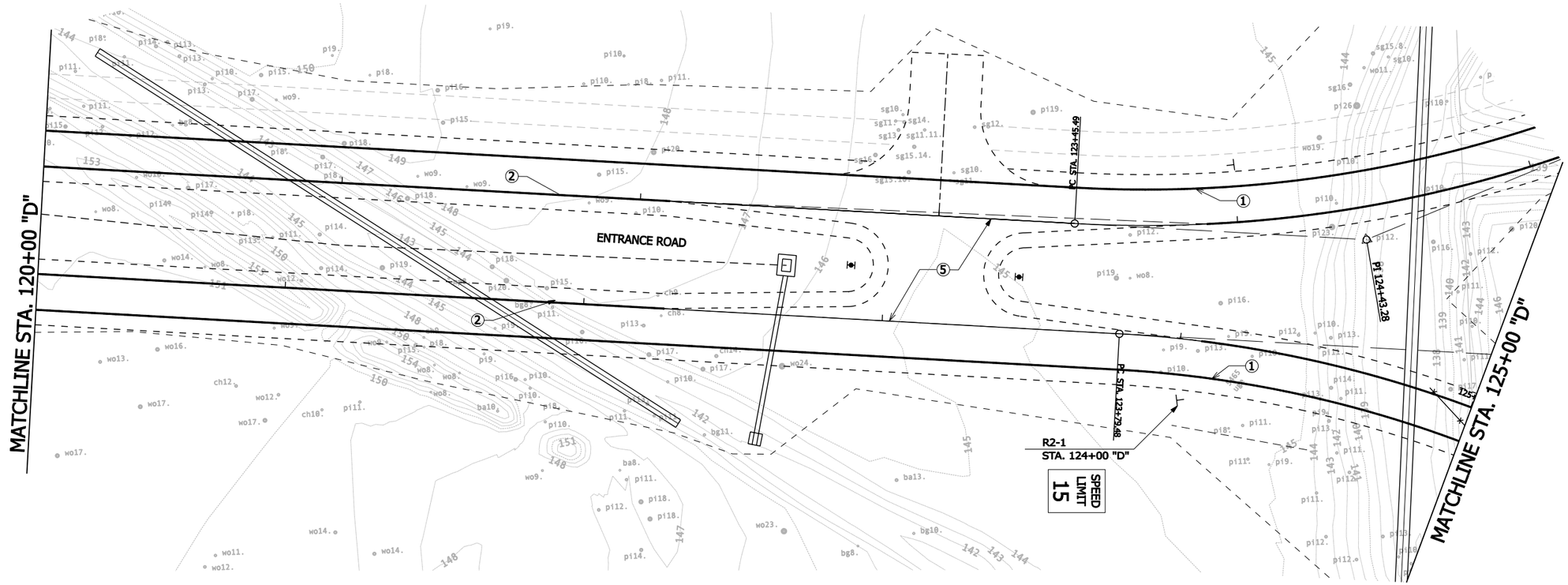
ACCESS ROAD

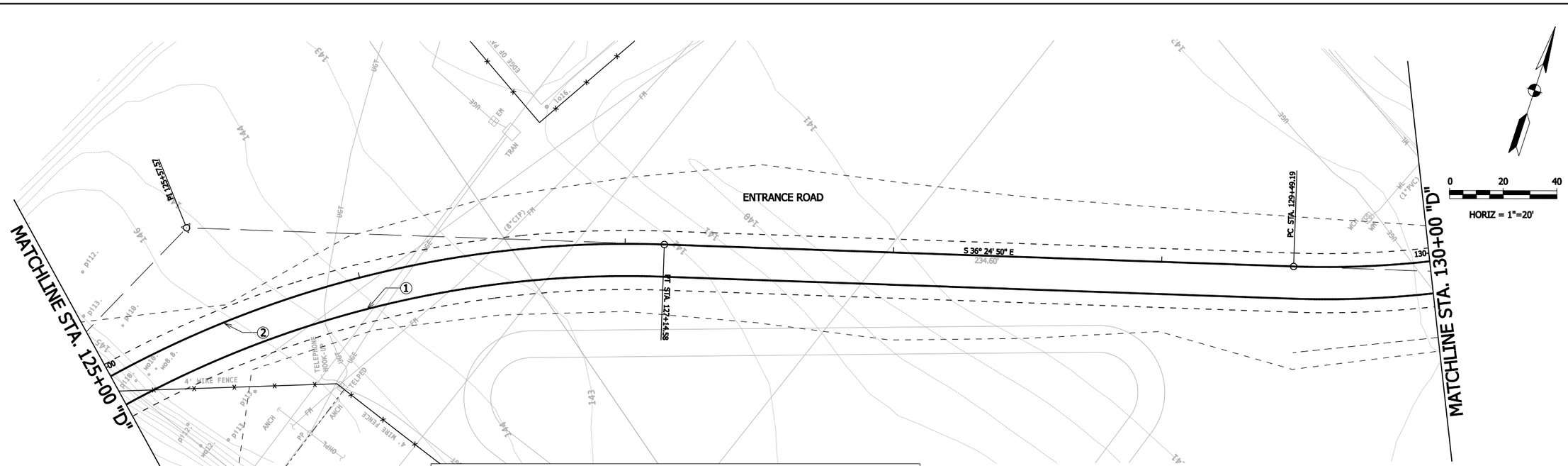
PAVEMENT MARKINGS & SIGN DETAILS - LINE "C"

GAINESVILLE REGIONAL AIRPORT — GAINESVILLE, FL

20086220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C041





LEGEND - SIGNING

- SHEET SIGN
- GROUND MOUNTED PANEL SIGN
- RMA ROUTE MARKER ASSEMBLY
- DELINEATOR

LEGEND - PAVEMENT MARKINGS

1. LINE, THERMOPLASTIC, SOLID, WHITE, 6"
2. LINE, THERMOPLASTIC, SOLID, YELLOW, 6"
3. LINE, THERMOPLASTIC, SOLID, WHITE, 24"
4. LINE, THERMOPLASTIC, DASHED, WHITE, 6"
5. LINE, THERMOPLASTIC, DASHED, YELLOW, 6"
6. LINE, CROSSWALK,, SOLID, WHITE, 6"

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 84455

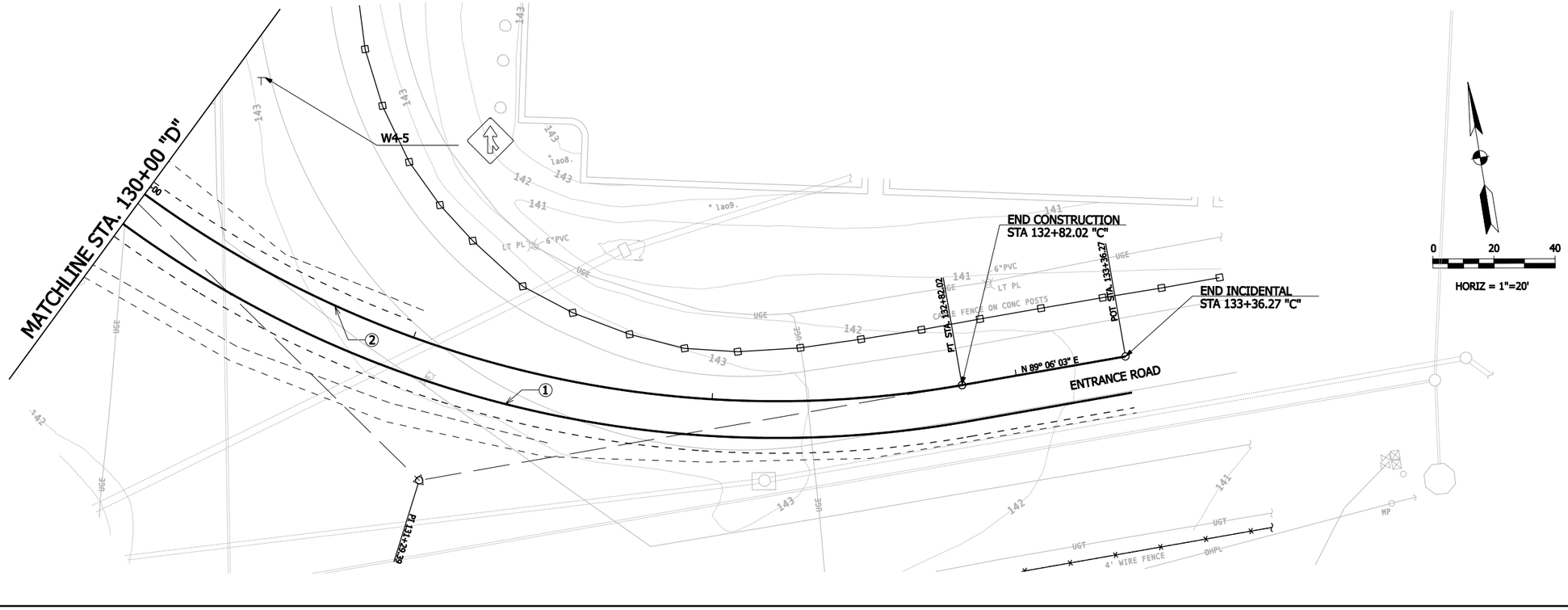
ARMSTRONG.
4887 N.E. 40th. Terrace, Suite B
Gainesville, FL 32609
(352) 377-6066
Certificate of Authorization #8455

ACCESS ROAD
PAVEMENT MARKINGS
& SIGN DETAILS - LINE "D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C042



LEGEND - SIGNING	
⊤	SHEET SIGN
⊤⊤	GROUND MOUNTED PANEL SIGN
RMA	ROUTE MARKER ASSEMBLY
⊕	DELINEATOR

LEGEND - PAVEMENT MARKINGS	
①	LINE, THERMOPLASTIC, SOLID, WHITE, 6"
②	LINE, THERMOPLASTIC, SOLID, YELLOW, 6"
③	LINE, THERMOPLASTIC, SOLID, WHITE, 24"
④	LINE, THERMOPLASTIC, DASHED, WHITE, 6"
⑤	LINE, THERMOPLASTIC, DASHED, YELLOW, 6"
⑥	LINE, CROSSWALK, SOLID, WHITE, 6"

REV	DESCRIPTION	DATE	BY

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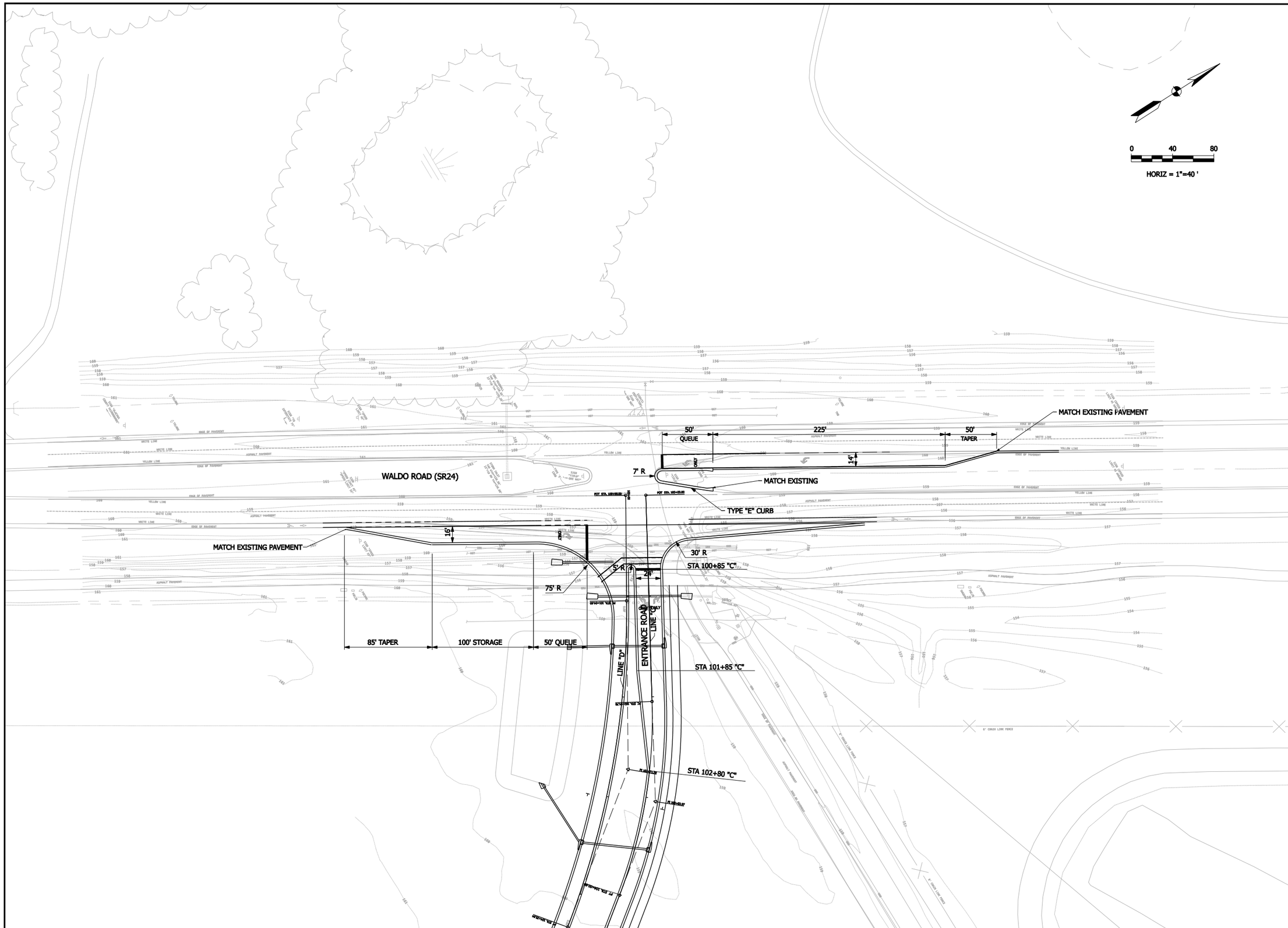
ACCESS ROAD
PAVEMENT MARKINGS
& SIGN DETAILS - LINE "D"
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

20066220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C043



REV	DESCRIPTION	DATE	BY

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Florida P.E. No. 64455

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ACCESS ROAD
INTERSECTION DETAIL

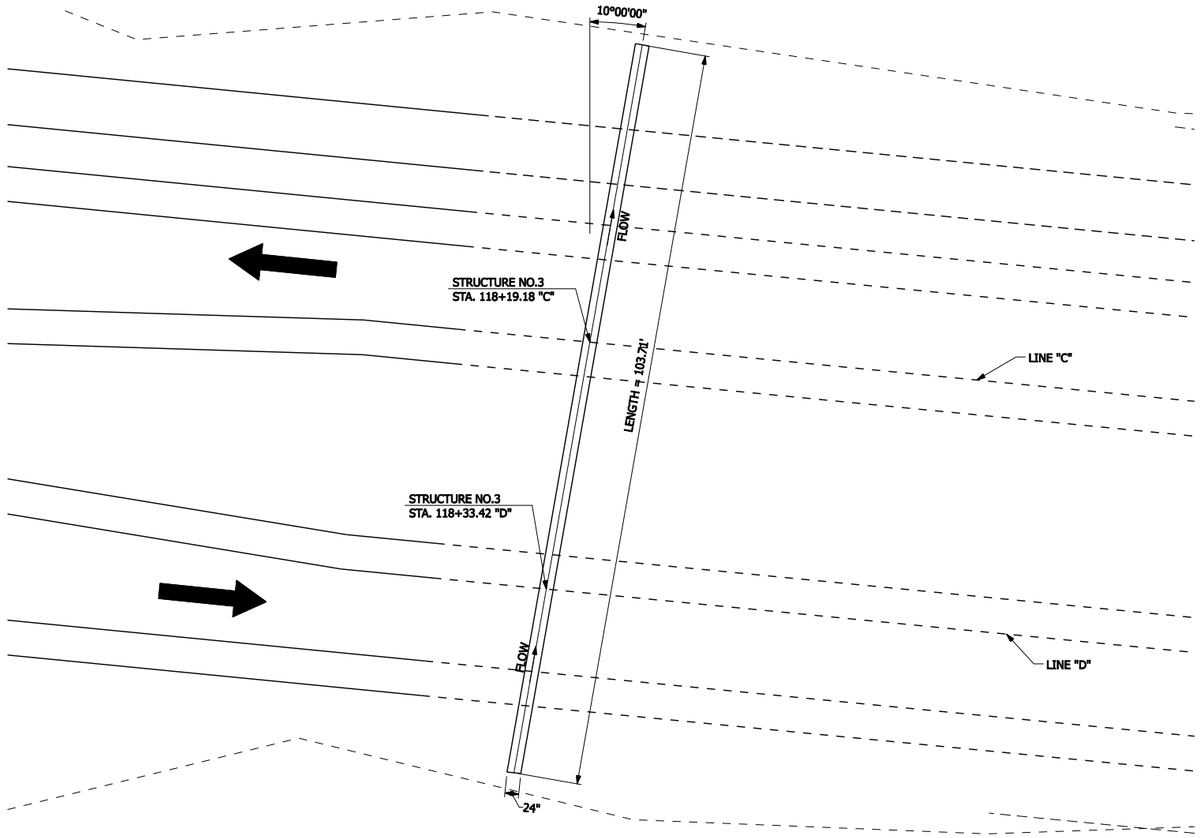
GAINESVILLE REGIONAL AIRPORT — GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20066220

C044

Model: DefaultDesign Plotted on 4/4/2008 at 05:10 PM Drawing: U:\Transportation\20066220 GNV New Access Road\30 Sheet Drawings\20 Singles\PR-INTR-DETAIL.dgn

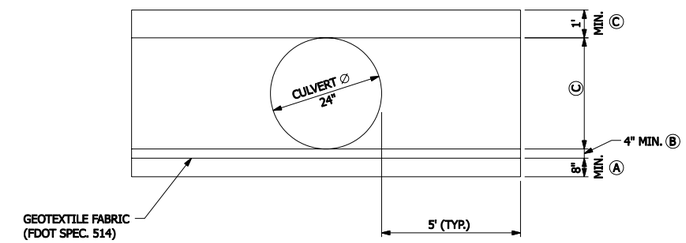


PLAN VIEW

STR. NO.3

HYDRAULIC DATA

DRAINAGE AREA = 16.18 ACRES
Q100 DISCHARGE = 4.13 CFS
Q100 ELEVATION = 153.41
Q100 VELOCITY = 4.15 FT/SEC
WATERWAY OPENING PROVIDED (CULVERT) = 3.14 SQ FT
AVG. LOW STR. ELEV. PROVIDED = 153.75
Q100 BACKWATER =
SKEW = 10° RT



Ⓐ FDOT #57 STONE BASE (FDOT SPEC. 200)

Ⓑ A1, A2, A3 BACKFILL MATERIAL (FDOT SPEC. 125 FOR BEDDING ZONE)

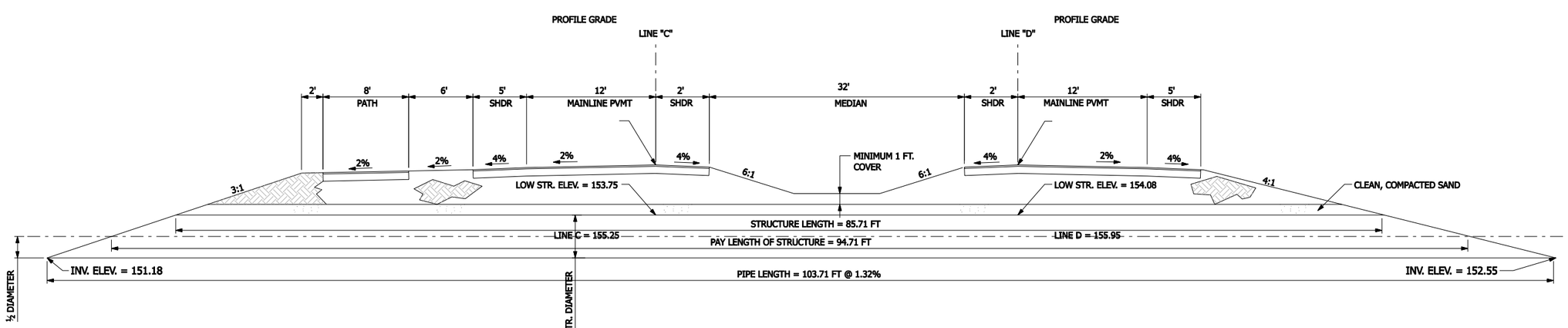
Ⓒ A1, A2, A3 WELL GRADED, WELL DRAINED BACKFIL MATERIAL COMPACTED TO 95% MODIFIED MAXIMUM DENSITY.

BACKFILL DETAILS

NOT TO SCALE

GENERAL NOTES:

1.) FOR SOIL BORING INFORMATION, REFER TO THE PROJECT SPECIFICATIONS.



SECTION AT STRUCTURE

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

ARMSTRONG
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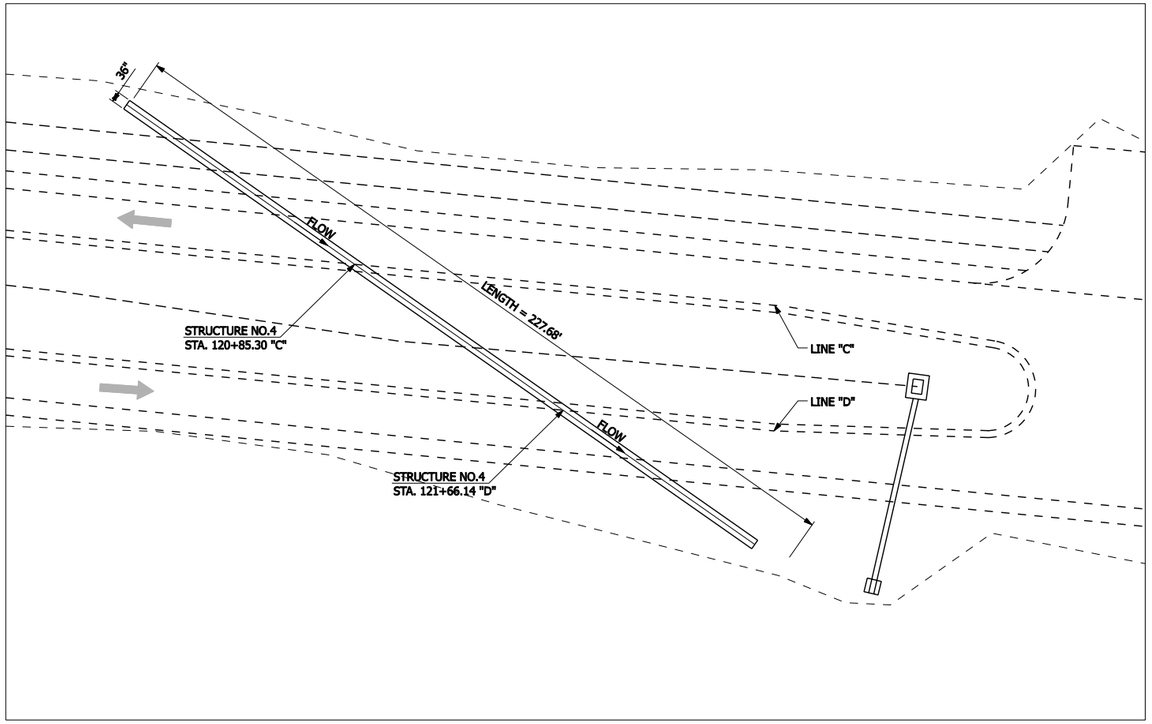
ACCESS ROAD
CULVERT GENERAL PLAN
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20068220

C045



PLAN VIEW

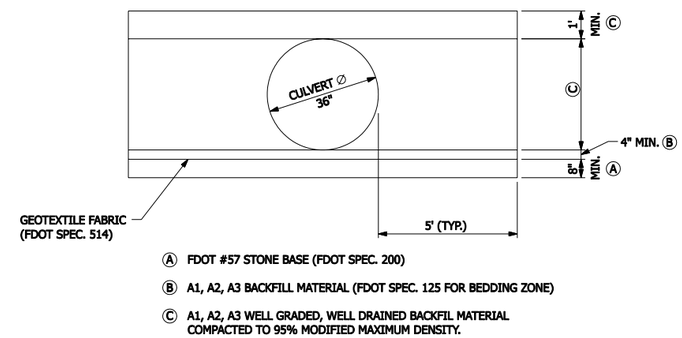
STR. NO.4

HYDRAULIC DATA

DRAINAGE AREA = 43.1 ACRES
Q100 DISCHARGE = 13.44 CFS
Q100 ELEVATION = 146.94
Q100 VELOCITY = 3.21 FT/SEC
WATERWAY OPENING PROVIDED (CULVERT) = 7.07 SQ FT
AVG LOW STR ELEVATION PROVIDED = 145.87
Q100 BACKWATER = 0.26
SKEW = 55° LT

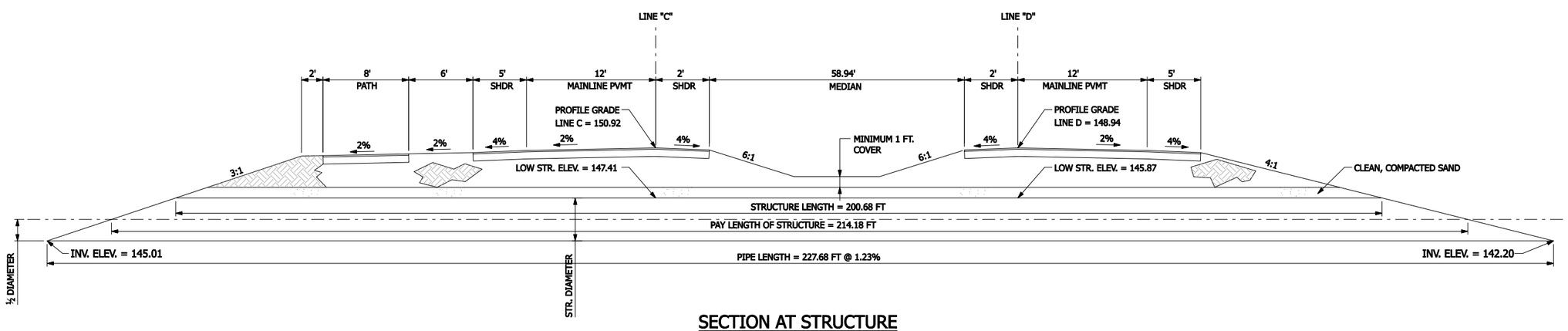
GENERAL NOTES:

1.) FOR SOIL BORING INFORMATION, REFER TO THE PROJECT SPECIFICATIONS.



BACKFILL DETAILS

NOT TO SCALE



SECTION AT STRUCTURE

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

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ACCESS ROAD
CULVERT GENERAL PLAN
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

DRAWN	DESIGNED	REVIEWED	APPROVED	DATE:
MSP	RMH	TF	RMH	01-18-08

20068220

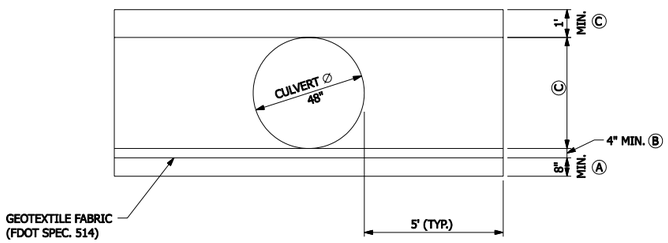
C046

HYDRAULIC DATA

DRAINAGE AREA = 21.74 ACRES
Q100 DISCHARGE = 6.84 CFS
Q100 ELEVATION = 143.53
Q100 VELOCITY = 0.80 FT/SEC
WATERWAY OPENING PROVIDED (CULVERT) = 12.57 SQ FT
AVG LOW STR ELEVATION PROVIDED = 141.91
Q100 BACKWATER = 0 FT
SKEW = 5° RT

GENERAL NOTES:

1.) FOR SOIL BORING INFORMATION, REFER TO PROJECT SPECIFICATIONS.



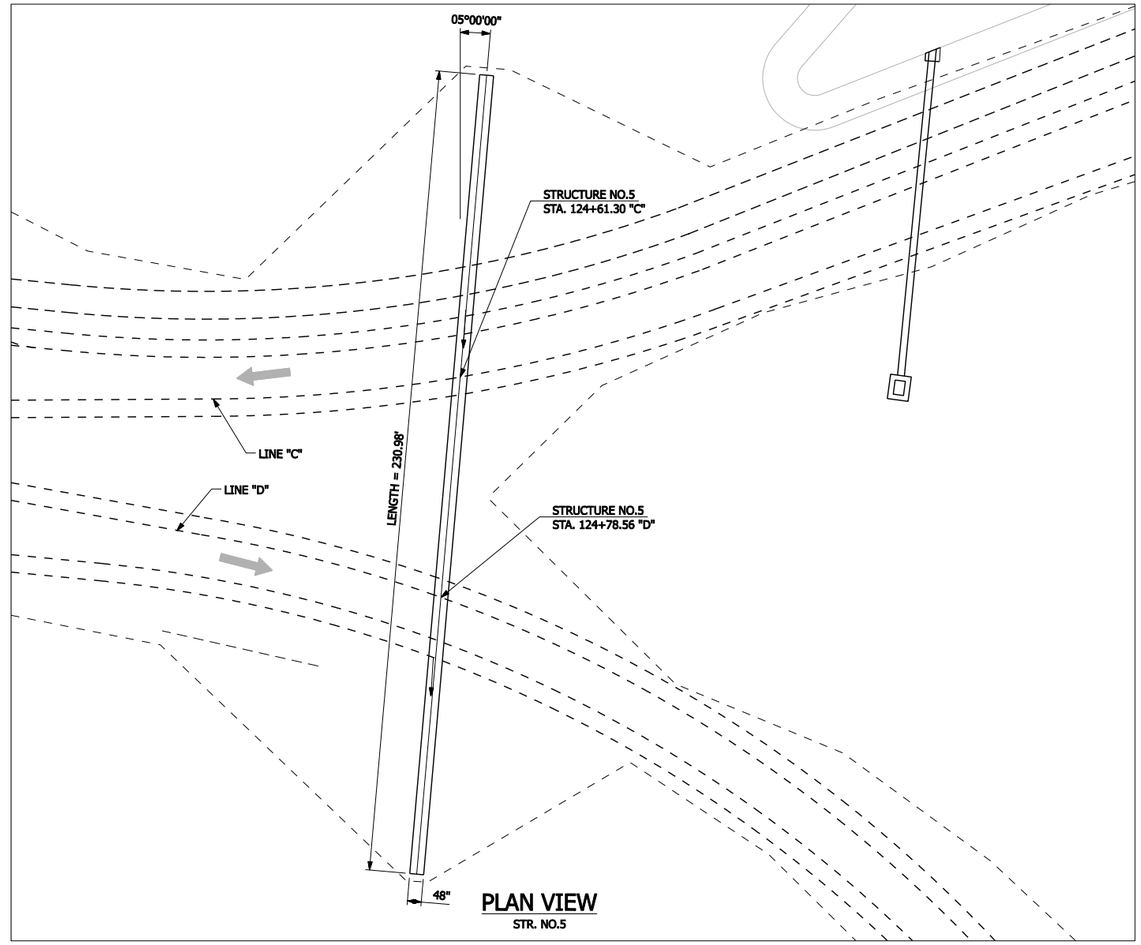
Ⓐ FDOT #57 STONE BASE (FDOT SPEC. 200)

Ⓑ A1, A2, A3 BACKFILL MATERIAL (FDOT SPEC. 125 FOR BEDDING ZONE)

Ⓒ A1, A2, A3 WELL GRADED, WELL DRAINED BACKFIL MATERIAL COMPACTED TO 95% MODIFIED MAXIMUM DENSITY.

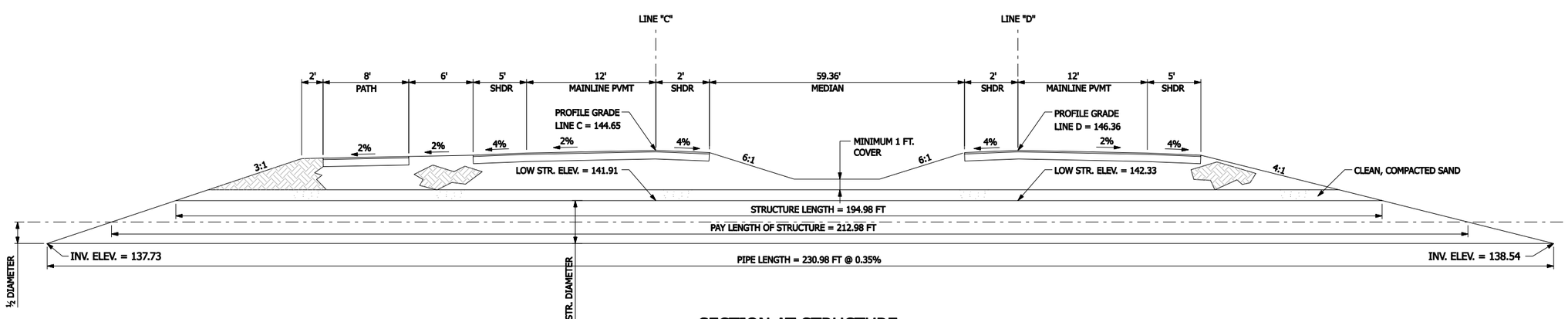
BACKFILL DETAILS

NOT TO SCALE



PLAN VIEW

STR. NO.5



SECTION AT STRUCTURE

REV	DESCRIPTION	DATE	BY

Rachel M. Henry, P.E.
Florida P.E. No. 64455

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ACCESS ROAD
CULVERT GENERAL PLAN
GAINESVILLE REGIONAL AIRPORT
GAINESVILLE, FL

20068220	DRAWN MSP	DESIGNED RMH	REVIEWED TF	APPROVED RMH	DATE: 01-18-08

C047