

CONTRACT PLANS COMPONENTS
ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROADWAY PLANS

FINANCIAL PROJECT ID 442874-1-52-01

VOLUSIA COUNTY (79080)

STATE ROAD NO. A1A (OCEAN SHORE BLVD.)
MILLING, RESURFACING, WIDENING, DRAINAGE AND SAFETY IMPROVEMENTS
FROM SR 40 (GRANADA BLVD.) TO ROBERTA RD

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GR-2 - GR-5* AUGER BORING RESULTS
GR-6* REPORT OF CORE BORINGS
DEVELOPMENTAL STANDARD PLANS:
D520-030 RAISED CROSSWALKS
* These sheets are included in the Index of Roadway Plans only to indicate that they are part of the Roadway Plans. These sheets are contained in a separate digitally signed and sealed document.

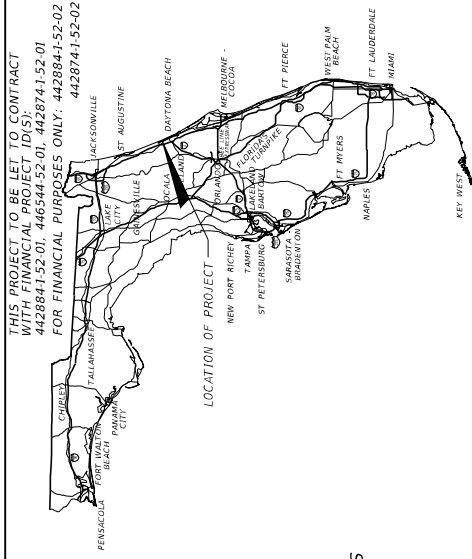
GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2023-24 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).
Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY 2023-24 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/implemented/SpecBooks>

PROJECT LOCATION URL:	https://tmyurl.com/3ssm3w3u
PROJECT LIMITS:	BEGIN MP 6.713 - END MP 9.824
EXCEPTIONS:	NONE
BRIDGE LIMITS:	NONE
RAILROAD CROSSING:	NONE



ROADWAY PLANS
ENGINEER OF RECORD:

CECILIA VILLORIA, P.E.
P.E. LICENSE NUMBER 62866
KEITH AND ASSOCIATES, INC.
301 E ATLANTIC BLVD
POMPANO BEACH, FL 33060
CONTRACT NO.: CAC23
VENDOR NO.: F650806421003

FDOT PROJECT MANAGER:
MARCUS LISICKI, P.E.

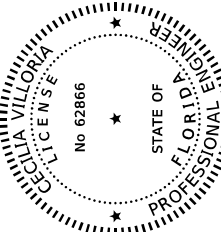
CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
E54B2	24	1

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Patricia C Villoria
Date: 2024.03.13
23:48:12-04'00'

ON THE DATE ADJACENT TO THE SEAL
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

KEITH AND ASSOCIATES, INC.
301 E ATLANTIC BOULEVARD
POMPANO BEACH, FL 33060
CECILIA VILLORIA, P.E. NO. 62866



THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET No. SHEET DESCRIPTION

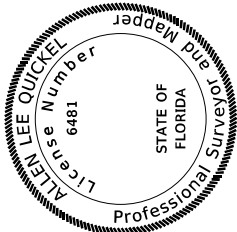
- 1 KEY SHEET
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- 13 - 17 TYPICAL SECTION DETAILS
- 18 MODEL MANAGEMENT
- 19 - 21 PROJECT CONTROL
- 22 GENERAL NOTES
- 23 - 52 ROADWAY PLAN-PROFILE
- 54 - 55 SPECIAL DETAIL
- 56 - 68 BACK OF SIDEWALK PROFILE
- 81 - 162 CROSS SECTIONS
- 334 - 363 UTILITY ADJUSTMENTS

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Allen Quickel
Date: 2024.03.14
07:17:45-04'00'

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WGI, INC.
2035 VISTA PARKWAY, SUITE 100
WEST PALM BEACH, FL 33411
ALLEN LEE QUICKEL, P.S.M.
NO. 6481



THE ABOVE NAMED PROFESSIONAL SURVEYOR AND MAPPER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 54-17.062, F.A.C.

SHEET No. SHEET DESCRIPTION

- 2 SIGNATURE SHEET
- 195 - 198 VERIFIED UTILITY LOCATE

REVISIONS

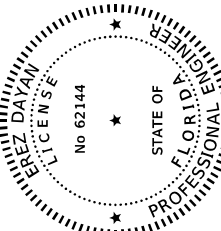
DATE	DESCRIPTION

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Erez Dayan
Date: 2024.03.13 22:42:33
-04'00'

ON THE DATE ADJACENT TO THE SEAL
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AVANT ENGINEERING GROUP, LLC
2699 LEE ROAD, SUITE 401
WINTER PARK, FL 32789
EREZ DAYAN, P.E. NO. 62144



THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET No. SHEET DESCRIPTION

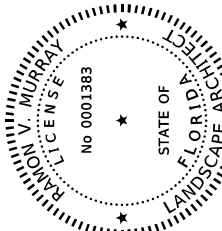
- 2 SIGNATURE SHEET
- 53 TRAFFIC MONITORING SITE

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Ramon Murray
Date: 2024.03.14 04:08:28 -04'00'

ON THE DATE ADJACENT TO THE SEAL
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MURRAY DESIGN GROUP, INC.
246 NORTH WESTMONTG DRIVE
ALAMONTE SPRINGS, FL 32714
RAMON V. MURRAY, L.A. NO. 0001383



THE ABOVE NAMED LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15.010, F.A.C.

SHEET No. SHEET DESCRIPTION

- 2 SIGNATURE SHEET
- 364 - 391 SELECTIVE CLEARING AND GRUBBING PLAN
- 392 - 395 SELECTIVE CLEARING AND GRUBBING TABLE
- 396 - 423 IRRIGATION PLANS

ENGINEER OF RECORD

CECILIA VILLORIA, P.E. #66
KEITH AND ASSOCIATES, INC
301 E ATLANTIC BLVD
POMPANO BEACH, FL 33060

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

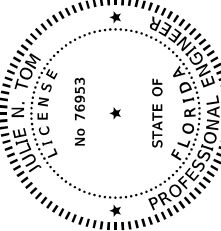
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR A1A	VOLUSTA	442874-152-01

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Julie N Tom
Date: 2024.03.14
06:57:33-04'00'

ON THE DATE ADJACENT TO THE SEAL
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AVANT ENGINEERING GROUP, LLC
2699 LEE ROAD, SUITE 401
WINTER PARK, FL 32789
JULIE N. TOM, P.E. NO. 76953



THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET No. SHEET DESCRIPTION

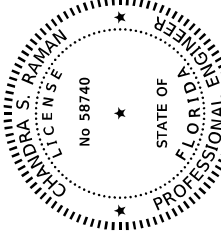
- 2 SIGNATURE SHEET
- 199 - 333 TEMPORARY TRAFFIC CONTROL PLANS

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Chandra S Raman
Date: 2024.03.14
09:21:02-04'00'

ON THE DATE ADJACENT TO THE SEAL
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APEX ENGINEERS, INC.
9250 CYPRESS GREEN DRIVE, SUITE 201
JACKSONVILLE, FL 32256
CHANDRA S. RAMAN, P.E. NO. 58740



THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

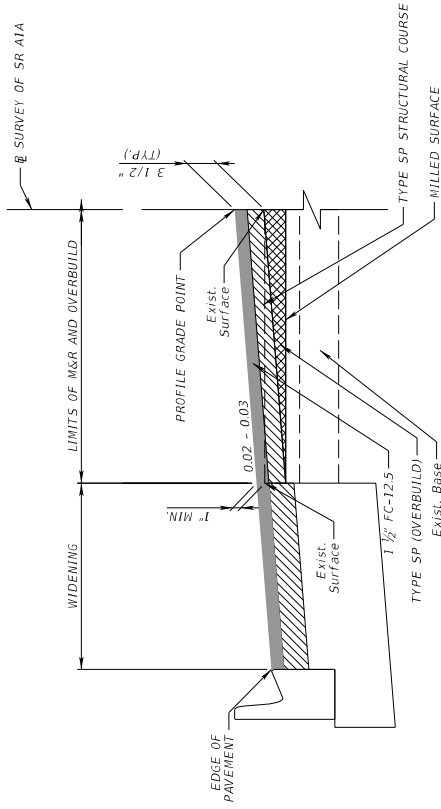
SHEET No. SHEET DESCRIPTION

- 2 SIGNATURE SHEET
- 3 - 8 DRAINAGE MAP
- 69 - 70 FLUME CONNECTION DETAIL
- 71 - 72 EXISTING INLET MODIFICATION DETAIL
- 73 FRENCH DRAIN DETAIL
- 74 - 76 SPECIAL DRAINAGE DETAIL
- 77 DRAINAGE STRUCTURES
- 78 OPTIONAL MATERIALS TABULATION
- 79 - 80 DITCH BOTTOM INFORMATION
- 163 - 164 STORMWATER POLLUTION PREVENTION PLAN
- 165 - 194 EROSION CONTROL PLANS

SIGNATURE SHEET

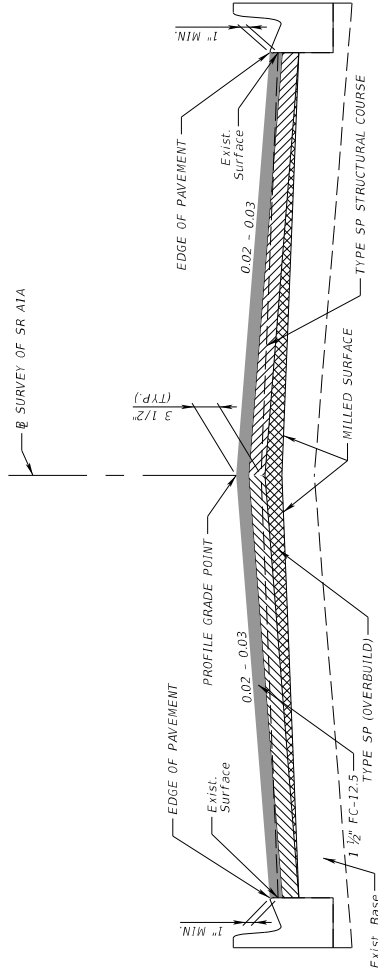
SHEET NO.

2



OVERBUILD AND RESURFACING DETAIL
(NTS)

STA. 39+00.00 TO STA. 117+53.34



OVERBUILD AND RESURFACING DETAIL
(NTS)

STA. 117+53.34 TO STA. 177+00.00

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD CECILIA VILLORIA, P.E. 1400 S. GULF BLVD. KEITH AND ASSOCIATES, INC. 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. _____ COUNTY _____ FINANCIAL PROJECT ID _____ SR AIA _____ VOLUSTIA _____ 442874-1-52-01	
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TYPICAL SECTION DETAILS	
SHEET NO.	13

STATION		LOCATION LANE	EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	OFFSET OF MAX. DEPTH OF OVERBUILD (FT.)	WIDTH OF OVERBUILD (FT.)	AREA OF OVERBUILD (SQ. FT.)
STATION	LANE							
40+00.00	00	SOUTHBOUND TRAVEL LANE	1.5	2.0	2.7	0.0	9.0	1.8
40+00.00	00	NORTHBOUND TRAVEL LANE	-1.4	-2.0	2.7	0.0	11.0	2.1
41+00.00	00	SOUTHBOUND TRAVEL LANE	2.0	2.0	2.7	0.0	9.0	1.9
41+00.00	00	NORTHBOUND TRAVEL LANE	-1.2	-2.0	2.7	0.0	9.0	1.7
42+00.00	00	SOUTHBOUND TRAVEL LANE	2.8	2.0	2.7	0.0	9.0	1.8
42+00.00	00	NORTHBOUND TRAVEL LANE	-0.1	-2.0	2.7	0.0	9.0	1.2
43+00.00	00	SOUTHBOUND TRAVEL LANE	2.9	2.0	2.7	0.0	10.3	2.0
43+00.00	00	NORTHBOUND TRAVEL LANE	-1.5	-2.0	2.7	0.0	9.0	1.9
44+00.00	00	SOUTHBOUND TRAVEL LANE	2.9	2.0	2.7	0.0	10.9	2.2
44+00.00	00	NORTHBOUND TRAVEL LANE	-1.0	-2.0	2.7	0.0	9.0	1.6
45+00.00	00	SOUTHBOUND TRAVEL LANE	3.1	2.0	2.7	0.0	11.0	2.4
45+00.00	00	NORTHBOUND TRAVEL LANE	-0.7	-2.0	2.7	0.0	10.7	1.6
46+00.00	00	SOUTHBOUND TRAVEL LANE	2.1	2.0	2.7	0.0	10.8	1.7
46+00.00	00	NORTHBOUND TRAVEL LANE	-1.3	-2.0	2.7	0.0	11.0	2.1
47+00.00	00	SOUTHBOUND TRAVEL LANE	1.6	2.0	2.7	0.0	16.9	2.4
47+00.00	00	NORTHBOUND TRAVEL LANE	-1.4	-2.0	2.7	0.0	16.1	3.3
48+00.00	00	SOUTHBOUND TRAVEL LANE	2.0	2.0	2.7	0.0	10.2	2.3
48+00.00	00	NORTHBOUND TRAVEL LANE	-1.6	-2.0	2.7	0.0	11.3	2.2
49+00.00	00	SOUTHBOUND TRAVEL LANE	4.1	2.0	4.1	10.7	10.7	3.0
49+00.00	00	NORTHBOUND TRAVEL LANE	-1.1	-2.0	2.7	0.0	11.1	1.9
50+00.00	00	SOUTHBOUND TRAVEL LANE	3.8	2.0	3.7	10.8	10.8	2.8
50+00.00	00	NORTHBOUND TRAVEL LANE	0.0	-2.0	2.7	0.0	10.8	1.2
51+00.00	00	SOUTHBOUND TRAVEL LANE	2.9	2.0	2.7	0.0	10.6	2.3
51+00.00	00	NORTHBOUND TRAVEL LANE	-1.0	-2.0	2.7	0.0	10.9	1.8
52+00.00	00	SOUTHBOUND TRAVEL LANE	3.4	2.0	3.2	10.6	10.6	2.7
52+00.00	00	NORTHBOUND TRAVEL LANE	-1.0	-2.0	2.7	0.0	11.0	1.7
53+00.00	00	SOUTHBOUND TRAVEL LANE	2.2	2.0	2.7	0.0	10.5	1.9
53+00.00	00	NORTHBOUND TRAVEL LANE	-1.3	-2.0	2.7	0.0	11.1	2.0
54+00.00	00	SOUTHBOUND TRAVEL LANE	2.4	2.0	2.7	0.0	10.6	2.2
54+00.00	00	NORTHBOUND TRAVEL LANE	-0.4	-2.0	2.7	0.0	11.1	1.4
55+00.00	00	SOUTHBOUND TRAVEL LANE	2.6	2.0	2.7	0.0	10.0	2.1
55+00.00	00	NORTHBOUND TRAVEL LANE	-0.6	-2.0	2.7	0.0	10.0	1.5
56+00.00	00	SOUTHBOUND TRAVEL LANE	4.2	2.0	3.1	3.0	9.0	2.3
56+00.00	00	NORTHBOUND TRAVEL LANE	-0.9	-2.0	2.7	0.0	9.0	1.5
57+00.00	00	SOUTHBOUND TRAVEL LANE	3.1	2.0	2.8	9.3	9.3	2.1
57+00.00	00	NORTHBOUND TRAVEL LANE	-1.8	-2.0	2.7	0.0	9.2	1.9
58+00.00	00	SOUTHBOUND TRAVEL LANE	2.7	2.0	3.3	10.6	10.6	2.6
58+00.00	00	NORTHBOUND TRAVEL LANE	-1.3	-2.0	2.7	0.0	11.0	1.7
59+00.00	00	SOUTHBOUND TRAVEL LANE	2.9	2.0	2.7	0.0	10.4	2.3
59+00.00	00	NORTHBOUND TRAVEL LANE	-0.1	-2.0	2.7	0.0	11.1	1.8
60+00.00	00	SOUTHBOUND TRAVEL LANE	2.5	2.0	2.7	0.0	10.4	2.1
60+00.00	00	NORTHBOUND TRAVEL LANE	-2.7	-2.0	2.7	0.0	11.2	1.9
61+00.00	00	SOUTHBOUND TRAVEL LANE	-1.3	2.0	2.7	0.0	10.3	1.8
61+00.00	00	NORTHBOUND TRAVEL LANE	2.0	-2.0	2.7	0.0	11.1	1.3
62+00.00	00	SOUTHBOUND TRAVEL LANE	-0.1	2.0	2.7	0.0	10.1	1.5
62+00.00	00	NORTHBOUND TRAVEL LANE	1.6	-2.0	2.7	0.0	10.0	1.7
63+00.00	00	SOUTHBOUND TRAVEL LANE	-1.3	2.0	2.7	0.0	9.0	1.6
63+00.00	00	NORTHBOUND TRAVEL LANE	-2.0	-2.0	2.7	0.0	11.0	1.6
64+00.00	00	SOUTHBOUND TRAVEL LANE	2.5	2.0	2.7	0.0	9.2	1.8
64+00.00	00	NORTHBOUND TRAVEL LANE	-2.4	-2.0	3.0	0.0	11.2	2.6
65+00.00	00	SOUTHBOUND TRAVEL LANE	3.2	3.0	2.7	0.0	10.4	2.4
65+00.00	00	NORTHBOUND TRAVEL LANE	-2.0	-2.0	2.7	0.0	11.1	2.4
66+00.00	00	SOUTHBOUND TRAVEL LANE	3.0	3.0	2.7	0.0	10.5	2.3

STATION		LOCATION LANE	EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	OFFSET OF MAX. DEPTH OF OVERBUILD (FT.)	WIDTH OF OVERBUILD (FT.)	AREA OF OVERBUILD (SQ. FT.)
STATION	LANE							
66+00.00	00	NORTHBOUND TRAVEL LANE	-1.3	-2.0	2.7	0.0	11.2	2.1
67+00.00	00	SOUTHBOUND TRAVEL LANE	3.2	3.0	2.9	10.6	3.1	0.8
67+00.00	00	NORTHBOUND TRAVEL LANE	-1.0	-2.0	1.8	7.5	3.4	0.4
68+00.00	00	SOUTHBOUND TRAVEL LANE	3.6	3.0	3.4	10.7	10.7	2.7
68+00.00	00	NORTHBOUND TRAVEL LANE	-0.8	-2.0	2.7	0.0	11.0	1.6
69+00.00	00	SOUTHBOUND TRAVEL LANE	3.6	3.0	3.4	10.7	3.2	1.6
69+00.00	00	NORTHBOUND TRAVEL LANE	-1.8	-2.0	2.3	7.5	3.5	0.7
70+00.00	00	SOUTHBOUND TRAVEL LANE	2.8	3.0	3.7	7.3	3.4	1.0
70+00.00	00	NORTHBOUND TRAVEL LANE	-2.1	-2.0	3.7	7.1	4.0	1.2
71+00.00	00	SOUTHBOUND TRAVEL LANE	1.8	2.0	2.7	0.0	10.6	1.7
71+00.00	00	NORTHBOUND TRAVEL LANE	-2.0	-2.0	2.7	0.0	11.2	2.3
72+00.00	00	SOUTHBOUND TRAVEL LANE	2.6	2.0	3.5	13.6	7.8	1.6
72+00.00	00	NORTHBOUND TRAVEL LANE	-1.1	-2.0	2.9	13.3	7.8	1.5
73+00.00	00	SOUTHBOUND TRAVEL LANE	2.4	2.0	2.2	7.3	3.3	0.6
73+00.00	00	NORTHBOUND TRAVEL LANE	-2.7	-2.0	3.5	11.3	3.8	1.1
74+00.00	00	SOUTHBOUND TRAVEL LANE	2.8	2.0	2.7	0.0	10.7	2.3
74+00.00	00	NORTHBOUND TRAVEL LANE	-0.7	-2.0	2.7	0.0	11.0	1.6
75+00.00	00	SOUTHBOUND TRAVEL LANE	2.9	2.0	2.7	0.0	10.8	2.4
75+00.00	00	NORTHBOUND TRAVEL LANE	-0.9	-2.0	2.7	0.0	11.1	1.8
76+00.00	00	SOUTHBOUND TRAVEL LANE	4.1	2.0	3.7	9.2	9.2	2.4
76+00.00	00	NORTHBOUND TRAVEL LANE	-1.3	-2.0	2.7	0.0	9.1	1.7
77+00.00	00	SOUTHBOUND TRAVEL LANE	3.3	2.0	3.2	11.0	11.0	2.7
77+00.00	00	NORTHBOUND TRAVEL LANE	-1.2	-2.0	2.7	0.0	11.0	1.9
78+00.00	00	SOUTHBOUND TRAVEL LANE	4.7	2.0	4.4	9.0	9.0	2.7
78+00.00	00	NORTHBOUND TRAVEL LANE	-0.1	-2.0	2.7	0.0	11.0	1.3
79+00.00	00	SOUTHBOUND TRAVEL LANE	2.3	2.0	3.7	9.0	2.7	3.3
79+00.00	00	NORTHBOUND TRAVEL LANE	-2.0	-2.0	3.7	0.0	11.0	3.3
80+00.00	00	SOUTHBOUND TRAVEL LANE	1.9	2.0	3.7	0.0	11.0	3.3
80+00.00	00	NORTHBOUND TRAVEL LANE	-2.5	-2.0	3.7	0.0	11.0	3.3
81+00.00	00	SOUTHBOUND TRAVEL LANE	1.8	2.0	3.7	0.0	9.0	2.7
81+00.00	00	NORTHBOUND TRAVEL LANE	-2.5	-2.0	3.7	0.0	11.0	3.3
82+00.00	00	SOUTHBOUND TRAVEL LANE	1.1	2.0	3.7	0.0	9.0	2.7
82+00.00	00	NORTHBOUND TRAVEL LANE	-4.2	-3.0	3.9	11.0	11.0	3.4
83+00.00	00	SOUTHBOUND TRAVEL LANE	1.3	2.0	8.0	0.0	9.0	6.9
83+00.00	00	NORTHBOUND TRAVEL LANE	-4.7	-3.0	9.8	11.0	11.0	8.0
84+00.00	00	SOUTHBOUND TRAVEL LANE	1.5	2.0	3.7	0.0	9.0	2.7
84+00.00	00	NORTHBOUND TRAVEL LANE	-3.6	-3.0	3.7	0.0	11.0	3.1
85+00.00	00	SOUTHBOUND TRAVEL LANE	1.1	2.0	3.7	0.0	11.0	3.3
85+00.00	00	NORTHBOUND TRAVEL LANE	-4.2	-3.0	3.7	0.0	11.0	3.4
86+00.00	00	SOUTHBOUND TRAVEL LANE	1.4	2.0	3.7	0.0	9.0	2.7
86+00.00	00	NORTHBOUND TRAVEL LANE	-4.7	-3.0	4.4	11.0	3.6	2.0
87+00.00	00	SOUTHBOUND TRAVEL LANE	1.5	2.0	2.7	0.0	10.6	2.0
87+00.00	00	NORTHBOUND TRAVEL LANE	-4.4	-3.0	4.6	11.2	11.2	3.4
88+00.00	00	SOUTHBOUND TRAVEL LANE	1.0	2.0	2.7	0.0	10.6	1.8
88+00.00	00	NORTHBOUND TRAVEL LANE	-5.2	-3.0	5.4	11.2	11.2	3.7
89+00.00	00	SOUTHBOUND TRAVEL LANE	1.9	2.0	7.9	18.6	18.6	6.5
89+00.00	00	NORTHBOUND TRAVEL LANE	-3.8	-3.0	7.1	18.6	18.6	6.8
90+00.00	00	SOUTHBOUND TRAVEL LANE	1.6	2.0	2.5	7.5	3.5	0.7
90+00.00	00	NORTHBOUND TRAVEL LANE	-1.8	-3.0	1.3	7.5	3.4	0.3
91+00.00	00	SOUTHBOUND TRAVEL LANE	1.3	2.0	2.7	0.0	10.8	2.0
91+00.00	00	NORTHBOUND TRAVEL LANE	-2.8	-3.0	2.7	0.0	11.1	2.4
92+00.00	00	SOUTHBOUND TRAVEL LANE	2.2	2.0	2.8	10.7	10.7	2.4
92+00.00	00	NORTHBOUND TRAVEL LANE	-3.3	-3.0	3.1	11.1	11.1	2.7

OVERBUILD DETAILS

OVERBUILD DETAILS

DATE	DESCRIPTION	REVISIONS		ENGINEER OF RECORD CECILIA VILLORIA, P.E. REGISTERED PROFESSIONAL ENGINEER KEITH AND ASSOCIATES, INC. 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060	
		DATE	DESCRIPTION		
		SR A/A	COUNTY VOLUSTIA	FINANCIAL PROJECT ID 442874-152-01	SHEET NO. 14
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION					TYPICAL SECTION DETAILS

OVERBUILD DETAILS

OVERBUILD DETAILS

STATION	LOCATION	EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	OFFSET OF MAX. DEPTH (FT.)	WIDTH OF OVERBUILD (FT.)	AREA OF OVERBUILD (SQ. FT.)
93+00.00	SOUTHBOUND TRAVEL LANE	2.1	2.0	2.8	10.7	10.7	2.5
93+00.00	NORTHBOUND TRAVEL LANE	-3.6	-3.0	3.2	11.2	11.2	2.7
94+00.00	SOUTHBOUND TRAVEL LANE	2.1	2.0	2.7	7.5	3.0	0.7
94+00.00	NORTHBOUND TRAVEL LANE	-4.1	-3.0	4.1	11.2	3.7	1.2
95+00.00	SOUTHBOUND TRAVEL LANE	1.7	2.0	2.7	0.0	10.5	2.2
95+00.00	NORTHBOUND TRAVEL LANE	-4.5	-3.0	4.7	11.2	11.2	3.4
96+00.00	SOUTHBOUND TRAVEL LANE	1.2	2.0	2.5	10.5	3.0	0.7
96+00.00	NORTHBOUND TRAVEL LANE	-4.7	-3.0	4.7	11.1	3.6	1.3
97+00.00	SOUTHBOUND TRAVEL LANE	0.7	2.0	1.5	7.5	3.0	0.3
97+00.00	NORTHBOUND TRAVEL LANE	-3.8	-3.0	4.0	11.0	3.5	1.1
98+00.00	SOUTHBOUND TRAVEL LANE	0.9	2.0	2.7	0.0	6.0	1.6
98+00.00	NORTHBOUND TRAVEL LANE	-4.2	-3.0	5.0	13.9	13.9	1.1
99+00.00	SOUTHBOUND TRAVEL LANE	0.6	2.0	2.7	0.0	6.0	1.1
99+00.00	NORTHBOUND TRAVEL LANE	-4.2	-3.0	4.4	11.0	11.0	3.2
100+00.00	SOUTHBOUND TRAVEL LANE	0.0	2.0	2.7	0.0	11.0	1.5
100+00.00	NORTHBOUND TRAVEL LANE	-3.6	-3.0	3.2	11.0	11.0	2.6
101+00.00	SOUTHBOUND TRAVEL LANE	0.4	2.0	2.7	0.0	9.0	1.4
101+00.00	NORTHBOUND TRAVEL LANE	-3.0	-3.0	2.7	0.0	11.0	2.4
102+00.00	SOUTHBOUND TRAVEL LANE	0.5	2.0	2.7	0.0	9.0	1.4
102+00.00	NORTHBOUND TRAVEL LANE	-3.1	-3.0	2.8	11.0	11.0	2.6
103+00.00	SOUTHBOUND TRAVEL LANE	0.1	2.0	2.6	0.0	9.0	1.4
103+00.00	NORTHBOUND TRAVEL LANE	-4.0	-3.0	3.8	11.0	11.0	2.9
104+00.00	SOUTHBOUND TRAVEL LANE	1.6	2.0	2.7	0.0	11.0	2.4
104+00.00	NORTHBOUND TRAVEL LANE	-4.1	-3.0	4.0	11.0	11.1	3.2
105+00.00	SOUTHBOUND TRAVEL LANE	1.3	2.0	2.7	0.0	11.0	2.0
105+00.00	NORTHBOUND TRAVEL LANE	-3.3	-3.0	3.0	11.0	11.0	2.5
106+00.00	SOUTHBOUND TRAVEL LANE	1.7	2.0	2.7	0.0	11.0	2.3
106+00.00	NORTHBOUND TRAVEL LANE	-4.1	-3.0	4.0	11.0	11.0	3.1
107+00.00	SOUTHBOUND TRAVEL LANE	0.1	2.0	2.7	0.0	11.0	1.3
107+00.00	NORTHBOUND TRAVEL LANE	-4.0	-3.0	4.0	11.0	11.0	3.1
108+00.00	SOUTHBOUND TRAVEL LANE	1.4	2.0	2.7	0.0	11.0	2.0
108+00.00	NORTHBOUND TRAVEL LANE	-3.8	-3.0	3.7	11.0	11.0	3.0
109+00.00	SOUTHBOUND TRAVEL LANE	1.9	2.0	2.7	0.0	11.0	2.4
109+00.00	NORTHBOUND TRAVEL LANE	-3.1	-2.0	4.1	11.0	11.0	3.1
110+00.00	SOUTHBOUND TRAVEL LANE	0.1	2.0	2.8	0.0	11.0	1.6
110+00.00	NORTHBOUND TRAVEL LANE	-2.5	-2.0	3.2	9.0	9.0	2.2
111+00.00	SOUTHBOUND TRAVEL LANE	0.5	2.0	2.7	0.0	11.0	1.5
111+00.00	NORTHBOUND TRAVEL LANE	-2.1	-2.0	2.8	9.0	9.0	2.1
112+00.00	SOUTHBOUND TRAVEL LANE	0.9	2.0	2.7	0.0	11.0	1.6
112+00.00	NORTHBOUND TRAVEL LANE	-2.9	-2.0	3.7	9.0	9.0	2.4
113+00.00	SOUTHBOUND TRAVEL LANE	0.8	2.0	12.4	0.0	11.0	12.2
113+00.00	NORTHBOUND TRAVEL LANE	-2.6	-2.0	12.3	0.0	11.0	12.1
114+00.00	SOUTHBOUND TRAVEL LANE	-0.1	2.0	3.8	11.0	11.0	3.4
114+00.00	NORTHBOUND TRAVEL LANE	-1.9	-2.0	3.7	0.0	9.0	2.7
115+00.00	SOUTHBOUND TRAVEL LANE	1.0	2.0	3.7	0.0	11.0	3.3
115+00.00	NORTHBOUND TRAVEL LANE	-2.1	-2.0	3.7	0.0	9.0	2.7
116+00.00	SOUTHBOUND TRAVEL LANE	1.0	2.0	3.7	0.0	11.0	3.3
116+00.00	NORTHBOUND TRAVEL LANE	-2.3	-2.0	3.7	0.0	9.0	2.7
117+00.00	SOUTHBOUND TRAVEL LANE	1.0	2.0	2.6	0.0	11.0	1.7
117+00.00	NORTHBOUND TRAVEL LANE	-2.0	-2.0	2.6	0.0	9.0	2.0
118+00.00	SOUTHBOUND TRAVEL LANE	1.7	2.0	2.7	0.0	11.0	1.7
118+00.00	NORTHBOUND TRAVEL LANE	-3.0	-3.0	2.7	0.0	10.0	2.2
119+00.00	SOUTHBOUND TRAVEL LANE	2.3	2.0	1.6	0.0	8.0	2.1

STATION	LOCATION	EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	OFFSET OF MAX. DEPTH (FT.)	WIDTH OF OVERBUILD (FT.)	AREA OF OVERBUILD (SQ. FT.)
119+00.00	BIDIRECTIONAL TURN LANE (RT)	-3.71	-2.0	3.4	8.6	3.0	2.2
119+00.00	NORTHBOUND TRAVEL LANE	-2.7	-3.0	3.4	8.6	7.5	2.0
120+00.00	SOUTHBOUND TRAVEL LANE	2.4	2.0	2.7	0.0	11.0	2.0
120+00.00	BIDIRECTIONAL TURN LANE (RT)	-4.4	-2.0	4.4	12.0	12.0	3.6
120+00.00	NORTHBOUND TRAVEL LANE	-3.7	-3.0	5.2	16.9	4.9	1.9
121+00.00	SOUTHBOUND TRAVEL LANE	3.4	2.0	2.7	0.0	11.0	2.2
121+00.00	BIDIRECTIONAL TURN LANE (RT)	-3.4	-2.0	3.2	12.0	12.0	3.0
122+00.00	NORTHBOUND TRAVEL LANE	-3.3	-3.0	3.4	17.0	9.0	1.4
122+00.00	SOUTHBOUND TRAVEL LANE	2.1	2.0	2.7	0.0	11.0	1.6
122+00.00	BIDIRECTIONAL TURN LANE (RT)	-3.2	-2.0	2.9	12.0	12.0	2.9
123+00.00	NORTHBOUND TRAVEL LANE	-3.1	-3.0	3.1	16.3	4.2	1.1
123+00.00	SOUTHBOUND TRAVEL LANE	2.2	2.0	2.7	0.0	11.0	2.6
123+00.00	BIDIRECTIONAL TURN LANE (RT)	-4.6	-3.0	4.9	11.5	11.5	3.6
123+00.00	NORTHBOUND TRAVEL LANE	-4.6	-3.0	5.2	13.4	1.8	0.8
124+00.00	SOUTHBOUND TRAVEL LANE	1.2	2.0	2.7	0.0	11.0	1.2
124+00.00	BIDIRECTIONAL TURN LANE (RT)	-4.4	-3.0	3.9	4.5	4.5	1.2
124+00.00	NORTHBOUND TRAVEL LANE	-4.9	-3.0	5.2	11.5	7.0	2.5
125+00.00	SOUTHBOUND TRAVEL LANE	2.1	2.0	2.9	0.0	11.0	2.5
125+00.00	NORTHBOUND TRAVEL LANE	-3.8	-3.0	3.7	11.1	11.1	2.9
126+00.00	SOUTHBOUND TRAVEL LANE	1.1	2.0	2.7	11.0	0.0	1.8
126+00.00	NORTHBOUND TRAVEL LANE	-3.7	-3.0	3.5	11.1	11.1	2.9
127+00.00	SOUTHBOUND TRAVEL LANE	4.4	2.0	3.1	13.9	2.5	0.6
127+00.00	BIDIRECTIONAL TURN LANE (LT)	2.1	2.0	2.8	11.4	11.4	2.6
128+00.00	NORTHBOUND TRAVEL LANE	-3.0	-3.0	2.7	0.0	11.0	2.3
128+00.00	SOUTHBOUND TRAVEL LANE	3.6	2.0	2.9	16.8	4.8	1.3
128+00.00	BIDIRECTIONAL TURN LANE (LT)	2.2	2.0	3.7	12.0	12.0	2.8
129+00.00	NORTHBOUND TRAVEL LANE	-4.3	-3.0	3.5	11.0	11.0	2.8
129+00.00	SOUTHBOUND TRAVEL LANE	3.6	2.0	4.0	6.0	18.0	1.9
129+00.00	BIDIRECTIONAL TURN LANE (LT)	2.1	2.0	2.8	12.0	12.0	2.5
130+00.00	NORTHBOUND TRAVEL LANE	-3.9	-3.0	2.8	11.0	11.0	2.5
130+00.00	SOUTHBOUND TRAVEL LANE	3.4	2.0	4.3	18.0	6.0	1.9
130+00.00	BIDIRECTIONAL TURN LANE (LT)	2.4	2.0	3.3	12.0	12.0	3.0
130+00.00	NORTHBOUND TRAVEL LANE	-3.3	-2.0	2.9	11.0	11.0	2.5
131+00.00	SOUTHBOUND TRAVEL LANE	3.8	2.0	6.1	21.1	10.7	3.9
131+00.00	BIDIRECTIONAL TURN LANE (LT)	2.0	2.0	2.7	0.0	12.2	2.3
131+00.00	NORTHBOUND TRAVEL LANE	-3.0	-2.0	3.2	12.7	11.0	3.0
132+00.00	SOUTHBOUND TRAVEL LANE	3.7	2.0	4.7	15.5	11.0	3.3
132+00.00	BIDIRECTIONAL TURN LANE (RT)	1.8	2.0	2.7	0.0	4.4	1.0
132+00.00	BIDIRECTIONAL TURN LANE (RT)	-1.5	-2.0	2.7	0.0	7.6	1.6
132+00.00	NORTHBOUND TRAVEL LANE	-3.5	-2.0	4.2	18.3	10.8	2.9
133+00.00	SOUTHBOUND TRAVEL LANE	4.1	2.0	4.4	13.0	9.0	2.4
133+00.00	BIDIRECTIONAL TURN LANE (LT)	-0.7	-2.0	2.7	0.0	4.0	0.8
133+00.00	BIDIRECTIONAL TURN LANE (RT)	-3.1	-2.0	2.7	0.0	8.0	1.8
133+00.00	NORTHBOUND TRAVEL LANE	-4.8	-2.0	5.8	19.0	11.0	3.8
134+00.00	SOUTHBOUND TRAVEL LANE	2.6	2.0	2.9	13.0	9.0	1.9
134+00.00	BIDIRECTIONAL TURN LANE (LT)	0.2	2.0	2.7	0.0	4.0	0.8
134+00.00	BIDIRECTIONAL TURN LANE (RT)	-2.3	-2.0	2.7	0.0	11.0	1.8
134+00.00	NORTHBOUND TRAVEL LANE	-4.1	-2.0	6.0	19.0	8.0	4.0
135+00.00	SOUTHBOUND TRAVEL LANE	2.8	2.0	4.9	22.7	19.7	5.6
135+00.00	BIDIRECTIONAL TURN LANE (LT)	3.2	-2.0	2.7	0.0	3.0	0.6
135+00.00	BIDIRECTIONAL TURN LANE (RT)	-1.3	-2.0	4.1	9.7	9.7	2.7
135+00.00	NORTHBOUND TRAVEL LANE	-4.5	-2.0	8.2	20.8	11.0	5.7
136+00.00	SOUTHBOUND TRAVEL LANE	3.1	2.0	3.7	22.0	19.0	4.5

DATE	DESCRIPTION	REVISIONS	ENGINEER OF RECORD
			CECILIA VILLORIA, P.E. 1666 KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060
			DEPARTMENT OF TRANSPORTATION
			ROAD NO. COUNTY FINANCIAL PROJECT ID
			SR A1A VOLUSTIA 442874-152-01
			TYPICAL SECTION DETAILS
			SHEET NO. 15

OVERBUILD DETAILS

STATION	LOCATION		EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	OFFSET OF MAX. DEPTH (FT.)	WIDTH OF OVERBUILD (FT.)	AREA OF OVERBUILD (SQ. FT.)
	STATION	LANE						
136+00.00	BIDIRECTIONAL TURN LANE (LT)		2.4	2.0	2.6	0.0	3.0	0.6
136+00.00	BIDIRECTIONAL TURN LANE (RT)		-1.3	-2.0	2.9	10.0	10.0	2.3
136+00.00	NORTHBOUND TRAVEL LANE		-2.1	-2.0	5.8	21.0	11.0	4.0
137+00.00	SOUTHBOUND TRAVEL LANE		4.1	2.0	5.8	12.2	18.0	0.0
137+00.00	BIDIRECTIONAL TURN LANE (LT)		3.0	2.0	2.6	0.0	3.0	0.0
137+00.00	BIDIRECTIONAL TURN LANE (RT)		-0.5	-2.0	2.6	0.0	10.0	0.0
137+00.00	NORTHBOUND TRAVEL LANE		-1.4	-2.0	3.3	19.0	9.0	0.0
138+00.00	SOUTHBOUND TRAVEL LANE		5.4	2.0	4.9	16.6	12.0	3.4
138+00.00	NORTHBOUND TRAVEL LANE		-4.4	-2.0	5.0	16.7	9.0	3.0
139+00.00	SOUTHBOUND TRAVEL LANE		5.7	2.0	5.6	15.0	11.0	3.8
139+00.00	BIDIRECTIONAL TURN LANE (LT)		1.8	2.0	2.7	0.0	4.0	0.9
139+00.00	BIDIRECTIONAL TURN LANE (RT)		-1.2	-2.0	2.7	0.0	8.0	1.6
139+00.00	NORTHBOUND TRAVEL LANE		-4.3	-2.0	4.6	17.0	9.0	2.4
140+00.00	SOUTHBOUND TRAVEL LANE		3.5	2.0	3.4	15.0	11.0	2.7
140+00.00	BIDIRECTIONAL TURN LANE (LT)		2.9	2.0	2.7	0.0	4.0	2.7
140+00.00	BIDIRECTIONAL TURN LANE (RT)		1.4	-2.0	2.7	0.0	8.0	0.9
140+00.00	SOUTHBOUND TRAVEL LANE		-1.0	-2.0	3.4	17.0	9.0	1.5
141+00.00	SOUTHBOUND TRAVEL LANE		-3.4	2.0	2.2	4.0	11.0	1.8
141+00.00	BIDIRECTIONAL TURN LANE (LT)		2.0	2.0	2.7	0.0	4.0	0.8
141+00.00	BIDIRECTIONAL TURN LANE (RT)		1.0	-2.0	2.7	0.0	8.0	1.7
141+00.00	NORTHBOUND TRAVEL LANE		-1.3	-2.0	4.0	17.0	9.0	2.4
142+00.00	SOUTHBOUND TRAVEL LANE		-3.5	2.0	2.3	15.0	11.0	2.0
142+00.00	BIDIRECTIONAL TURN LANE (LT)		2.7	2.0	2.7	0.0	4.0	0.8
142+00.00	BIDIRECTIONAL TURN LANE (RT)		1.2	-2.0	2.7	0.0	8.0	1.6
142+00.00	NORTHBOUND TRAVEL LANE		-1.2	-2.0	2.6	16.9	8.9	1.8
143+00.00	SOUTHBOUND TRAVEL LANE		-2.5	2.0	2.4	15.0	11.0	2.1
143+00.00	BIDIRECTIONAL TURN LANE (LT)		2.6	2.0	2.7	0.0	4.0	0.8
143+00.00	BIDIRECTIONAL TURN LANE (RT)		1.5	-2.0	2.7	0.0	8.0	1.4
143+00.00	NORTHBOUND TRAVEL LANE		-0.7	-2.0	1.7	8.0	8.5	1.2
144+00.00	SOUTHBOUND TRAVEL LANE		2.3	2.0	2.2	4.0	11.0	1.9
144+00.00	BIDIRECTIONAL TURN LANE (LT)		1.3	2.0	2.7	0.0	4.0	0.8
144+00.00	BIDIRECTIONAL TURN LANE (RT)		-0.5	-2.0	2.7	0.0	8.0	1.4
144+00.00	NORTHBOUND TRAVEL LANE		-1.9	-2.0	1.6	8.0	8.4	1.1
145+00.00	SOUTHBOUND TRAVEL LANE		1.9	2.0	1.9	4.0	11.0	1.4
145+00.00	BIDIRECTIONAL TURN LANE (LT)		0.8	2.0	2.7	0.0	4.0	0.8
145+00.00	BIDIRECTIONAL TURN LANE (RT)		-1.0	-2.0	2.7	0.0	8.0	1.5
145+00.00	NORTHBOUND TRAVEL LANE		-2.5	-2.0	2.5	8.0	8.4	1.6
146+00.00	SOUTHBOUND TRAVEL LANE		2.7	2.0	2.9	15.0	4.0	2.4
146+00.00	BIDIRECTIONAL TURN LANE (LT)		2.1	2.0	2.7	0.0	11.0	0.8
146+00.00	BIDIRECTIONAL TURN LANE (RT)		-0.2	-2.0	2.7	0.0	8.0	1.4
146+00.00	NORTHBOUND TRAVEL LANE		-2.7	-2.0	3.5	19.0	11.0	2.4
147+00.00	SOUTHBOUND TRAVEL LANE		2.2	2.0	2.5	4.0	11.0	2.3
147+00.00	BIDIRECTIONAL TURN LANE (LT)		1.8	2.0	2.7	0.0	4.0	0.9
147+00.00	BIDIRECTIONAL TURN LANE (RT)		-0.4	-2.0	2.7	0.0	7.4	1.3
147+00.00	NORTHBOUND TRAVEL LANE		-3.1	-2.0	2.9	16.4	9.0	1.7
148+00.00	SOUTHBOUND TRAVEL LANE		4.0	2.0	3.7	15.0	11.0	2.7
148+00.00	BIDIRECTIONAL TURN LANE (LT)		1.7	2.0	2.7	0.0	3.9	1.6
148+00.00	BIDIRECTIONAL TURN LANE (RT)		-0.4	-2.0	2.7	0.0	3.9	0.8
148+00.00	NORTHBOUND TRAVEL LANE		-3.7	-2.0	3.6	15.0	12.4	2.5
149+00.00	SOUTHBOUND TRAVEL LANE		2.6	2.0	2.7	0.0	12.1	2.0
149+00.00	NORTHBOUND TRAVEL LANE		-3.6	-2.0	3.5	11.5	11.5	2.8
150+00.00	SOUTHBOUND TRAVEL LANE		4.2	2.0	3.7	11.0	11.0	2.7
150+00.00	NORTHBOUND TRAVEL LANE		-2.9	-2.0	3.7	11.0	11.0	2.9

OVERBUILD DETAILS

STATION	LOCATION		EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	OFFSET OF MAX. DEPTH (FT.)	WIDTH OF OVERBUILD (FT.)	AREA OF OVERBUILD (SQ. FT.)
	STATION	LANE						
151+00.00	SOUTHBOUND TRAVEL LANE		-2.1	2.0	2.8	11.0	11.0	2.4
151+00.00	NORTHBOUND TRAVEL LANE		-1.5	-2.0	2.7	0.0	11.0	2.0
152+00.00	SOUTHBOUND TRAVEL LANE		2.2	2.0	3.0	9.0	9.0	2.1
152+00.00	NORTHBOUND TRAVEL LANE		-2.6	-2.0	3.2	11.0	11.0	2.6
153+00.00	SOUTHBOUND TRAVEL LANE		2.5	2.0	3.2	8.4	8.4	2.1
153+00.00	NORTHBOUND TRAVEL LANE		-3.4	-2.0	3.2	6.0	6.0	1.4
154+00.00	SOUTHBOUND TRAVEL LANE		1.8	2.0	2.5	4.0	11.0	0.7
154+00.00	NORTHBOUND TRAVEL LANE		-3.2	-2.0	3.7	11.5	7.4	1.9
155+00.00	SOUTHBOUND TRAVEL LANE		1.8	2.0	7.2	4.9	12.3	0.9
155+00.00	NORTHBOUND TRAVEL LANE		-3.0	-2.0	2.6	17.0	12.2	0.0
156+00.00	SOUTHBOUND TRAVEL LANE		2.5	2.0	2.9	10.6	11.0	1.3
156+00.00	BIDIRECTIONAL TURN LANE (LT)		2.5	2.0	2.5	4.8	4.8	1.0
156+00.00	BIDIRECTIONAL TURN LANE (RT)		-3.3	-2.0	3.4	6.0	6.0	1.5
156+00.00	NORTHBOUND TRAVEL LANE		-3.4	-2.0	4.4	11.7	5.7	1.9
157+00.00	SOUTHBOUND TRAVEL LANE		2.9	2.0	3.8	10.6	1.6	0.5
157+00.00	NORTHBOUND TRAVEL LANE		-2.8	-2.0	3.3	11.6	5.6	1.4
158+00.00	SOUTHBOUND TRAVEL LANE		1.0	2.0	0.4	8.1	2.1	0.3
158+00.00	BIDIRECTIONAL TURN LANE (LT)		1.1	2.0	2.6	0.0	8.1	1.5
158+00.00	BIDIRECTIONAL TURN LANE (RT)		-3.3	-2.0	3.6	6.0	6.0	1.5
158+00.00	NORTHBOUND TRAVEL LANE		-5.7	-2.0	11.8	17.0	17.4	5.7
159+00.00	SOUTHBOUND TRAVEL LANE		0.3	2.0	2.1	6.3	3.8	0.6
159+00.00	BIDIRECTIONAL TURN LANE (LT)		0.2	2.0	2.6	0.0	6.3	1.2
159+00.00	BIDIRECTIONAL TURN LANE (RT)		-5.0	-2.0	4.8	6.0	6.0	1.8
159+00.00	NORTHBOUND TRAVEL LANE		-3.8	-2.0	8.8	17.0	17.4	7.6
160+00.00	SOUTHBOUND TRAVEL LANE		1.0	2.0	3.8	10.0	3.9	1.2
160+00.00	BIDIRECTIONAL TURN LANE (LT)		1.2	2.0	3.2	6.0	6.0	1.5
160+00.00	BIDIRECTIONAL TURN LANE (RT)		-4.4	-2.0	4.4	6.0	6.0	1.8
161+00.00	SOUTHBOUND TRAVEL LANE		-5.1	-2.0	6.7	12.3	6.3	2.9
161+00.00	BIDIRECTIONAL TURN LANE (LT)		1.8	2.0	2.9	10.3	4.3	1.0
161+00.00	BIDIRECTIONAL TURN LANE (RT)		1.8	2.0	2.6	0.0	6.0	1.4
161+00.00	NORTHBOUND TRAVEL LANE		5.3	-2.0	5.0	6.0	6.0	1.9
161+00.00	SOUTHBOUND TRAVEL LANE		-5.5	-2.0	12.1	17.0	11.1	7.8
162+00.00	NORTHBOUND TRAVEL LANE		2.6	2.0	2.1	6.0	5.0	0.8
162+00.00	BIDIRECTIONAL TURN LANE (LT)		2.7	2.0	2.6	0.0	6.0	1.2
162+00.00	BIDIRECTIONAL TURN LANE (RT)		-4.1	-2.0	4.1	6.0	6.0	1.7
162+00.00	NORTHBOUND TRAVEL LANE		-4.2	-2.0	5.5	10.9	4.9	2.0
163+00.00	SOUTHBOUND TRAVEL LANE		3.6	2.0	1.4	6.0	4.8	0.4
163+00.00	BIDIRECTIONAL TURN LANE (LT)		3.6	2.0	2.6	0.0	6.0	1.0
163+00.00	BIDIRECTIONAL TURN LANE (RT)		-4.4	-2.0	4.4	6.0	6.0	1.8
163+00.00	NORTHBOUND TRAVEL LANE		-4.7	-2.0	6.1	11.0	5.0	2.2
164+00.00	SOUTHBOUND TRAVEL LANE		3.3	2.0	1.7	4.9	4.9	0.5
164+00.00	BIDIRECTIONAL TURN LANE (LT)		3.3	2.0	2.6	6.0	6.0	1.1
164+00.00	BIDIRECTIONAL TURN LANE (RT)		-5.7	-2.0	5.3	6.0	6.0	1.9
164+00.00	NORTHBOUND TRAVEL LANE		-5.7	-2.0	7.4	11.0	5.0	2.6
165+00.00	SOUTHBOUND TRAVEL LANE		3.6	2.0	1.6	16.6	4.7	2.8
165+00.00	BIDIRECTIONAL TURN LANE (LT)		3.4	2.0	1.6	0.0	5.9	1.1
165+00.00	BIDIRECTIONAL TURN LANE (RT)		-4.0	-2.0	2.6	6.0	6.0	1.7
165+00.00	NORTHBOUND TRAVEL LANE		-3.9	-2.0	5.0	10.6	4.6	1.7
166+00.00	SOUTHBOUND TRAVEL LANE		3.5	2.0	1.4	6.0	4.9	0.4
166+00.00	BIDIRECTIONAL TURN LANE (LT)		3.7	2.0	2.6	0.0	6.0	1.0
166+00.00	BIDIRECTIONAL TURN LANE (RT)		-3.8	-2.0	3.8	6.0	6.0	1.6
166+00.00	NORTHBOUND TRAVEL LANE		-3.9	-2.0	5.0	10.8	4.8	1.8
167+00.00	SOUTHBOUND TRAVEL LANE		3.4	2.0	1.0	11.2	5.2	0.3

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. SR A1A COUNTY VOLUSTA FINANCIAL PROJECT ID 442874-152-01

ENGINEER OF RECORD
CECILIA VILLORIA, P.E.
KEITH AND ASSOCIATES, INC.
301 E ATLANTIC BLVD.
POMPANO BEACH, FL 33060

REVISIONS

DATE	DESCRIPTION

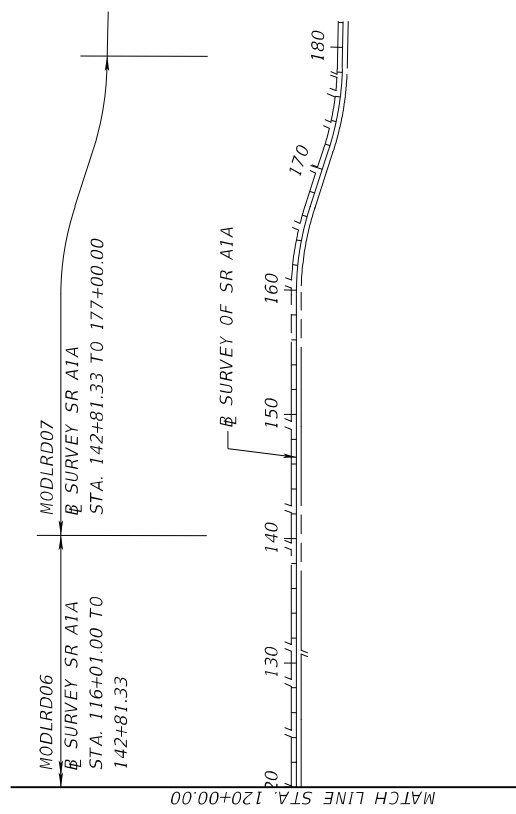
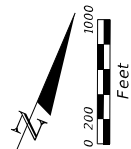
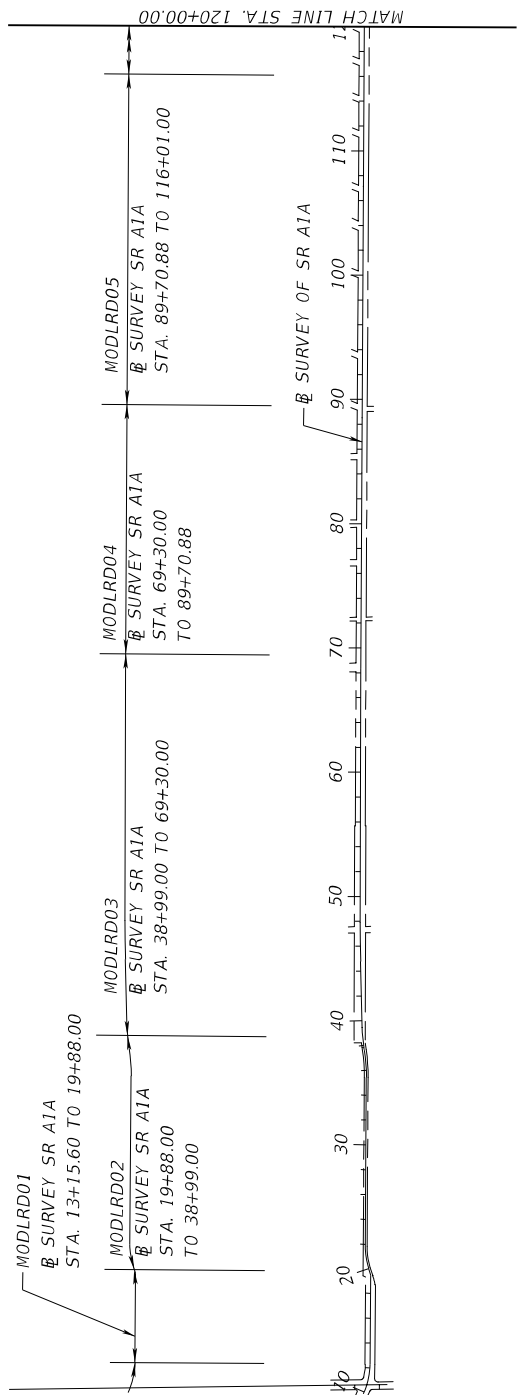
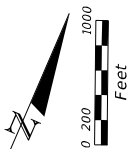
TYPICAL SECTION DETAILS

SHEET NO. 16

OVERBUILD DETAILS

STATION	LOCATION	EXIST. SLOPE (%)	PROPOSED SLOPE (%)	MAX. DEPTH OF OVERBUILD (IN.)	OFFSET OF MAX. DEPTH (FT.)	WIDTH OF OVERBUILD (FT.)	AREA OF OVERBUILD (SQ. FT.)
167+00.00	NORTHBOUND TRAVEL LANE	-4.8	-2.0	6.2	10.5	4.5	2.0
168+00.00	SOUTHBOUND TRAVEL LANE	0.8	2.0	0.4	11.6	5.6	0.4
168+00.00	BIDIRECTIONAL TURN LANE (LT)	1.0	2.0	2.6	0.0	6.0	0.8
168+00.00	BIDIRECTIONAL TURN LANE (RT)	-3.2	-2.0	3.4	6.0	6.0	1.5
168+00.00	NORTHBOUND TRAVEL LANE	-3.5	-2.0	4.4	10.2	4.1	1.4
169+00.00	SOUTHBOUND TRAVEL LANE	1.4	2.0	1.7	5.8	6.0	0.8
169+00.00	NORTHBOUND TRAVEL LANE	-1.7	-2.0	2.2	6.0	3.9	0.7
170+00.00	SOUTHBOUND TRAVEL LANE	2.0	2.0	4.9	17.0	11.0	3.3
170+00.00	BIDIRECTIONAL TURN LANE (LT)	1.6	2.0	2.7	0.0	6.0	1.3
170+00.00	BIDIRECTIONAL TURN LANE (RT)	-0.7	-2.0	2.7	0.0	6.0	0.9
170+00.00	NORTHBOUND TRAVEL LANE	-0.8	-2.0	0.7	6.0	3.8	0.2
171+00.00	SOUTHBOUND TRAVEL LANE	3.4	2.0	3.4	5.2	7.0	1.9
171+00.00	NORTHBOUND TRAVEL LANE	-2.1	-2.0	1.6	4.1	5.5	0.4
172+00.00	SOUTHBOUND TRAVEL LANE	3.9	2.0	4.9	12.3	6.4	2.2
172+00.00	NORTHBOUND TRAVEL LANE	-1.3	-2.0	3.4	9.4	3.4	0.9
173+00.00	SOUTHBOUND TRAVEL LANE	4.2	2.0	5.5	11.9	5.9	2.3
173+00.00	BIDIRECTIONAL TURN LANE (LT)	3.7	2.0	3.8	6.0	6.0	1.6
173+00.00	BIDIRECTIONAL TURN LANE (RT)	-2.3	-2.0	2.6	0.0	6.0	1.3
173+00.00	NORTHBOUND TRAVEL LANE	-2.3	-2.0	2.5	9.9	3.9	0.8
174+00.00	SOUTHBOUND TRAVEL LANE	5	2.0	6.5	12.7	7.4	3.2
174+00.00	NORTHBOUND TRAVEL LANE	-1.8	-2.0	2.9	9.6	5.4	1.2
175+00.00	SOUTHBOUND TRAVEL LANE	5.3	2.0	7.0	12.2	6.2	3.0
175+00.00	NORTHBOUND TRAVEL LANE	-2.8	-2.0	2.0	6.0	3.6	0.6
176+00.00	SOUTHBOUND TRAVEL LANE	4.1	2.0	7.1	17.2	11.2	5.3
176+00.00	BIDIRECTIONAL TURN LANE (LT)	4.1	2.0	4.1	6.0	6.0	1.7
176+00.00	BIDIRECTIONAL TURN LANE (RT)	-3.8	-2.0	2.6	0.0	6.0	1.0
176+00.00	NORTHBOUND TRAVEL LANE	-3.8	-2.0	1.3	6.0	3.9	0.3
177+00.00	SOUTHBOUND TRAVEL LANE	4.8	2.0	6.5	11.5	5.5	2.5
177+00.00	BIDIRECTIONAL TURN LANE (LT)	4.6	2.0	4.5	6.0	6.0	1.8
177+00.00	BIDIRECTIONAL TURN LANE (RT)	-2.7	-2.0	2.6	0.0	6.0	1.2
177+00.00	NORTHBOUND TRAVEL LANE	2.9	-2.0	2.2	6.0	4.7	0.7

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	ENGINEER OF RECORD
					CECILIA VILORIA, P.E. CECILIA VILORIA & ASSOCIATES, INC. 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			COUNTY VOLUSTA		
ROAD NO. SR A1A			FINANCIAL PROJECT ID 442874-152-01		
TYPICAL SECTION DETAILS					
SHEET NO. 17					

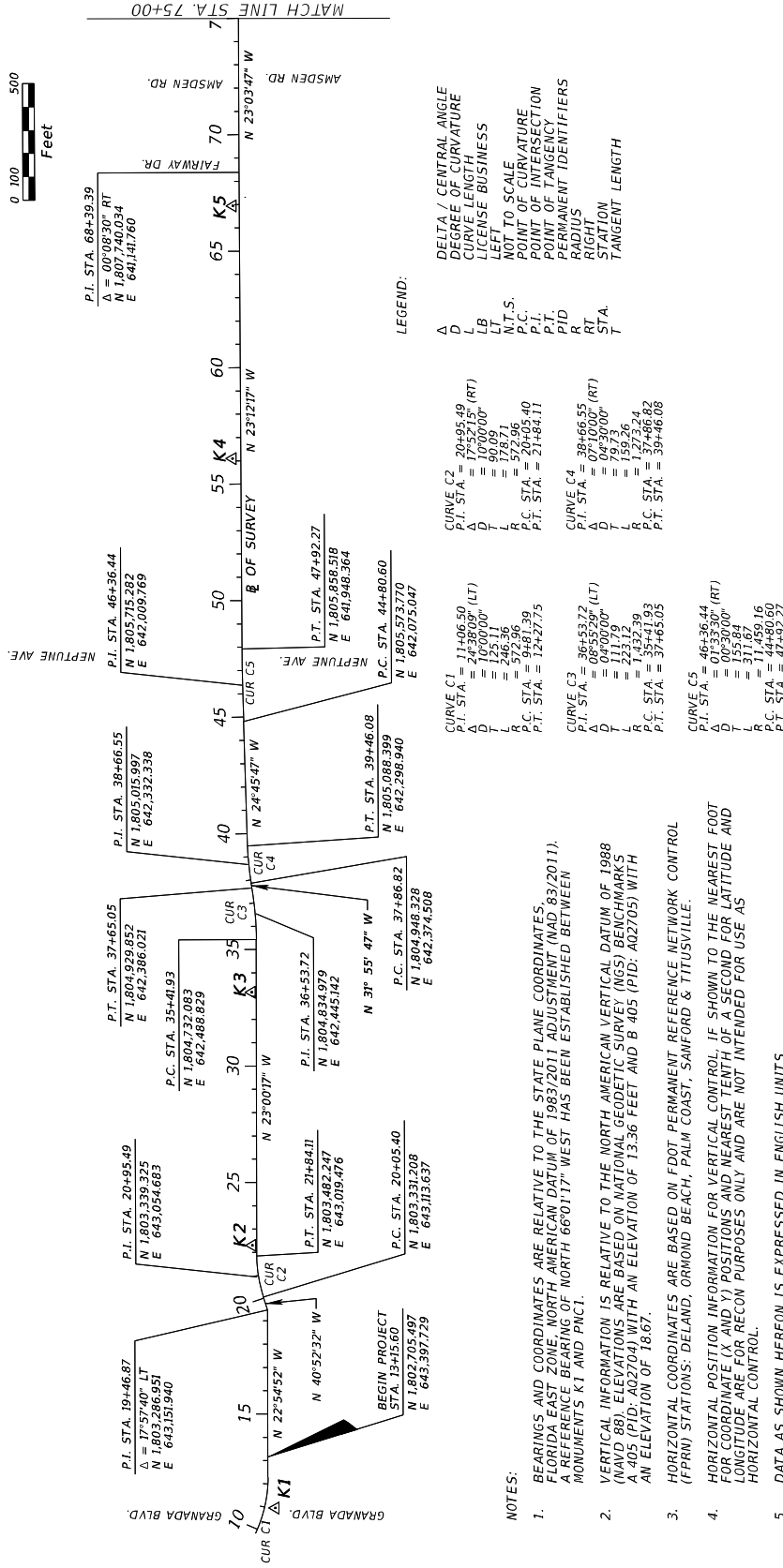
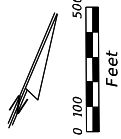


Note: MODLRD08 and MODLRD09 are the 3D model files for the intersections.

DATE	DESCRIPTION	REVISIONS	DESCRIPTION	ENGINEER OF RECORD	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
				CECILIA VILLORIA, P.E. CECILIA VILLORIA & KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060	SR A1A	VOLUSTA	442874-1-52-01	18
MODEL MANAGEMENT								

HORIZONTAL AND VERTICAL CONTROL

PNCI
(N.T.S.)



NOTES:

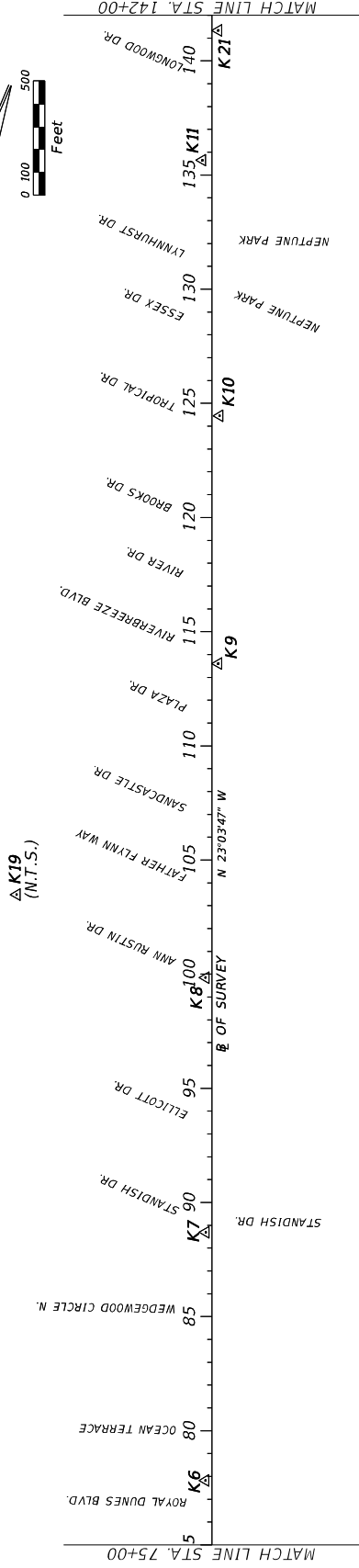
- BEARINGS AND COORDINATES ARE RELATIVE TO THE STATE PLANE COORDINATES, FLORIDA EAST ZONE, NORTH AMERICAN DATUM OF 1983/2011 ADJUSTMENT (NAD 83/2011). A REFERENCE BEARING OF NORTH 66°01'17" WEST HAS BEEN ESTABLISHED BETWEEN MONUMENTS K1 AND PNCI.
- VERTICAL INFORMATION IS RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAD 88). ELEVATIONS ARE BASED ON NATIONAL GEODETIC SURVEY (NGS) BENCHMARKS A 405 (PID: A02704) WITH AN ELEVATION OF 13.36 FEET AND B 405 (PID: A02705) WITH AN ELEVATION OF 18.67.
- HORIZONTAL COORDINATES ARE BASED ON FDOT PERMANENT REFERENCE NETWORK CONTROL (FPRN) STATIONS: DELAND, ORMOND BEACH, PALM COAST, SANFORD & TITUSVILLE.
- HORIZONTAL POSITION INFORMATION FOR VERTICAL CONTROL, IF SHOWN TO THE NEAREST FOOT (LONGITUDINAL) POSITIONS AND NEAREST TENTH OF SECOND FOR LATITUDE AND LONGITUDE ARE FOR RECON PURPOSES ONLY AND ARE NOT INTENDED FOR USE AS HORIZONTAL CONTROL.
- DATA AS SHOWN HEREON IS EXPRESSED IN ENGLISH UNITS.

LEGEND:

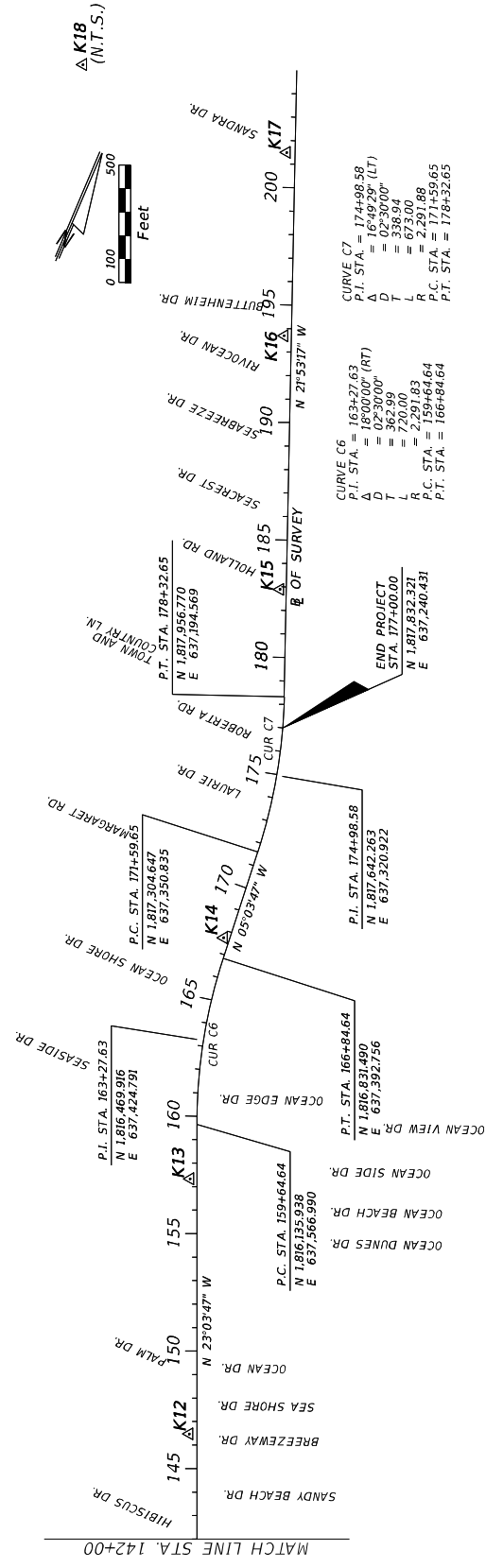
- Δ DELTA / CENTRAL ANGLE
- L CURVE LENGTH
- LB LICENSE BUSINESS
- LT LEFT
- N.T.S. NOT TO SCALE
- P.C. POINT OF CURVATURE
- P.I. POINT OF INTERSECTION
- P.T. POINT OF TANGENCY
- PID PERMANENT IDENTIFIERS
- RT RIGHT
- STA. STATION
- T TANGENT LENGTH

DESCRIPTION		REVISIONS		ENGINEER OF RECORD		DEPARTMENT OF TRANSPORTATION		STATE OF FLORIDA		PROJECT CONTROL	
DATE		DATE		CECILIA VILLORIA, P.E. 15666	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR A/A	COUNTY	VOLUSTA	SHEET NO.
				KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060		VOLUSTA	442874-152-01				19

HORIZONTAL AND VERTICAL CONTROL



HORIZONTAL AND VERTICAL CONTROL



REVISIONS		DESCRIPTION	
DATE	REVISIONS	DATE	DESCRIPTION

ENGINEER OF RECORD CECILIA VILLORIA, P.E. KELLY B. KEITH AND ASSOCIATES, INC. 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060		DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY SR A/A VOLUSTIA FINANCIAL PROJECT ID 442874-1-52-01	
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT CONTROL	
SHEET NO.	20

HORIZONTAL AND VERTICAL CONTROL

POINT ID	B/L STATION	OFFSET	ELEV. (Z)	DESCRIPTION	NORTHING (Y)	EASTING (X)	LATITUDE	LONGITUDE	SCALE FACTOR
K1	11+05.96	46.76' RT	16.68	SET MAG NAIL& DISK LB 6860 KEITH	1802516.932	643513.061	29 17 31.67807	81 02 22.90725	0.99994136
K4	56+10.13	34.74' LT	14.86	SET MAG NAIL& DISK LB 6860 KEITH	1806596.533	641594.182	29 18 12.06006	81 02 44.59666	0.99994142
K8	99+85.04	27.98' LT	18.69	SET MAG NAIL& DISK LB 6860 KEITH	1810623.301	639883.721	29 18 51.91884	81 03 03.93622	0.99994148
K17	201+49.40	35.85' LT	12.53	SET MAG NAIL& DISK LB 6860 KEITH	1820093.150	636297.628	29 20 25.65471	81 03 44.50263	0.99994163
K18	N/A	N/A	7.99	SET MAG NAIL& DISK LB 6860 KEITH	1820101.764	634527.653	29 20 25.73023	81 04 04.50184	0.99994171
K19	107+19.31	1700.23' LT	10.33	SET MAG NAIL& DISK LB 6860 KEITH	1810643.794	638057.480	29 18 52.11340	81 03 24.56600	0.99994155
K21	141+33.65	27.72' RT	N/A	SET MAG NAIL& DISK LB 6860 KEITH	1814462.155	638309.771	29 19 29.91705	81 03 21.73671	0.99994154
PNC1	N/A	N/A	14.31	FOUND BRASS DISK IN CONCRETE STAMPED D5 PNC 91-8-02 011	1801888.596	642100.371	29 17 25.45240	81 02 38.85920	0.99994140
K2	22+30	19' LT	16.02	SET MAG NAIL& DISK LB 6860 KEITH	1803517	642984	29 17 41.6	81 02 28.9	N/A
K3	33+17	19' LT	16.51	SET MAG NAIL& DISK LB 6860 KEITH	1804518	642559	29 17 51.5	81 02 33.7	N/A
K5	66+95	27' LT	16.34	SET MAG NAIL& DISK LB 6860 KEITH	1807597	641173	29 18 22.0	81 02 49.4	N/A
K6	77+83	28' LT	16.34	SET MAG NAIL& DISK LB 6860 KEITH	1808597	640746	29 18 31.9	81 02 54.2	N/A
K7	88+70	27' LT	19.03	SET MAG NAIL& DISK LB 6860 KEITH	1809597	640321	29 18 41.8	81 02 59.0	N/A
K9	113+61	28' RT	18.75	SET MAG NAIL& DISK LB 6860 KEITH	1811911	639397	29 19 04.7	81 03 09.4	N/A
K10	124+46	33' RT	20.38	SET MAG NAIL& DISK LB 6860 KEITH	1812911	638976	29 19 14.6	81 03 14.2	N/A
K11	135+65	42' LT	18.92	SET MAG NAIL& DISK LB 6860 KEITH	1813912	638468	29 19 24.5	81 03 19.9	N/A
K12	146+48	32' LT	20.18	SET MAG NAIL& DISK LB 6860 KEITH	1814912	638053	29 19 34.4	81 03 24.6	N/A
K13	157+34	29' LT	21.95	SET MAG NAIL& DISK LB 6860 KEITH	1815912	637631	29 19 44.3	81 03 29.4	N/A
K14	167+68	25' LT	17.18	SET MAG NAIL& DISK LB 6860 KEITH	1816913	637360	29 19 54.2	81 03 32.5	N/A
K15	182+89	26' LT	13.72	SET MAG NAIL& DISK LB 6860 KEITH	1818371	637001	29 20 08.6	81 03 36.5	N/A
K16	193+69	30' LT	11.98	SET MAG NAIL& DISK LB 6860 KEITH	1819371	636594	29 20 18.5	81 03 41.1	N/A

DATE		REVISIONS		ENGINEER OF RECORD		DEPARTMENT OF TRANSPORTATION		STATE OF FLORIDA		PROJECT CONTROL		SHEET NO.	
DESCRIPTION		DATE		CECILIA VILLORIA, P.E. 6866 KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060		ROAD NO.		COUNTY		FINANCIAL PROJECT ID		21	
						SR A1A		VOLUSTIA		442874-152-01			

GENERAL NOTES:

1. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:

ERIC WILHELM, P.S.M.
P.S.M. No: 5872
KEITH AND ASSOCIATES, INC.
301 EAST ATLANTIC BOULEVARD
POMPANO BEACH, FL 33060

2. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED BY V_h AND W_h) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

3. UTILITY/AGENCY OWNERS FOR THIS PROJECT INCLUDE:

COMPANY	CONTACT	TELEPHONE NUMBERS	EMAIL
AT&T FLORIDA	KIRBY SPENCER	(386) 366-4588	(K52488@ATT.COM)
BRIGHT HOUSE NETWORKS	PAUL LIAKOS	(407) 215-8838	(PAUL.LIAKOS@CHARTER.COM)
CENTURY LINK	DAVE KENNEDY	(407) 830-3279	(DAVE.C.KENNEDY@CENTURYLINK.COM)
CITY OF ORMOND BEACH	GEORGE LAVATELLI	(386) 676-3584	(GEORGE.LAVATELLI@ORMONDBEACH.ORG)
CROWN CASTLE	CHRIS PERKINS	(813) 947-6009	(CHRISTOPHER.PERKINS@CROWNCASTLE.COM)
FPL DISTRIBUTION	CHRISTOPHER BUONANNI	(407) 328-1911	(CHRISTOPHER.BUONANNI@FPL.COM)
FPL TRANSMISSION	MARTIN MIKHAIL	(561) 701-0462	(MARTIN.MIKHAIL@FPL.COM)
TECO PEOPLE'S GAS	BRUCE STOUT	(407) 420-2678	(BSTOUT@TECOENERGY.COM)
TRANSPORTATION DATA AND ANALYTICS OFFICE	VICTOR JOHNSON	(850) 921-7303	(VICTOR.JOHNSON@DOT.STATE.FL.COM)
UNITI FIBER	TRAVIS GEORGE	(251) 487-7225	(TRAVIS.GEORGE@UNITI.COM)

TRANSIT SERVICE COORDINATION.

START/WORK NOTIFICATION & LANE CLOSURE NOTIFICATION

VOTRAM (ASSISTANT GENERAL MANAGER)	ELIZABETH SUCHSLAND	(386) 756-7496 EXT. 4127	(ESUCHSLAND@VOLUSIA.ORG)
VOTRAM (TRANSIT PLANNER)	JAKE LUNCEFORD	(386) 756-7496 EXT. 4157	(JLUNCEFORD@VOLUSIA.ORG)

4. DISCUSS CONSTRUCTION SCHEDULING AND AGENCY COORDINATION ISSUES, INCLUDING BUS STOP ISSUES AT THE PRECONSTRUCTION CONFERENCE.
5. EXISTING DRIVEWAYS WITH PAVERS ARE TO BE CAREFULLY REMOVED AND RETURNED TO THE PROPERTY OWNER.

DATE	DESCRIPTION	REVISIONS	ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO.
			CECILIA VILLORIA, P.E. 366 KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD POMPANO BEACH, FL 33060	ROAD NO. COUNTY FINANCIAL PROJECT ID SR A1A VOLUSIA 442874-1-52-01	22
				GENERAL NOTES	

GENERAL NOTES:

1. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:

ERIC WILHELM, P.S.M.
P.S.M. No: 5872
KEITH AND ASSOCIATES, INC.
301 EAST ATLANTIC BOULEVARD
POMPANO BEACH, FL 33060

2. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv, Vh AND Wv) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

3. UTILITY/AGENCY OWNERS FOR THIS PROJECT INCLUDE:

COMPANY	CONTACT	TELEPHONE NUMBERS	EMAIL
AT&T FLORIDA	KIRBY SPENCER	(386) 366-4588	(K52488@ATT.COM)
BRIGHT HOUSE NETWORKS	PAUL LIAKOS	(407) 215-8838	(PAUL.LIAKOS@CHARTER.COM)
CENTURY LINK	DAVE KENNEDY	(407) 830-3279	(DAVE.C.KENNEDY@CENTURYLINK.COM)
CITY OF ORMOND BEACH	GEORGE LAVATELLI	(386) 676-3584	(GEORGE.LAVATELLI@ORMONDBEACH.ORG)
CROWN CASTLE	CHRIS PERKINS	(813) 947-6009	(CHRISTOPHER.PERKINS@CROWNCASTLE.COM)
FPL DISTRIBUTION	CHRISTOPHER BUONANNI	(407) 328-1911	(CHRISTOPHER.BUONANNI@FPL.COM)
FPL TRANSMISSION	MARTIN MIKHAIL	(561) 701-0462	(MARTIN.MIKHAIL@FPL.COM)
TECO PEOPLE'S GAS	BRUCE STOUT	(407) 420-2678	(BSTOUT@TECOENERGY.COM)
TRANSPORTATION DATA AND ANALYTICS OFFICE	VICTOR JOHNSON	(850) 921-7303	(VICTOR.JOHNSON@DOT.STATE.FL.COM)
UNITI FIBER	TRAVIS GEORGE	(251) 487-7225	(TRAVIS.GEORGE@UNITI.COM)

TRANSIT SERVICE COORDINATION.

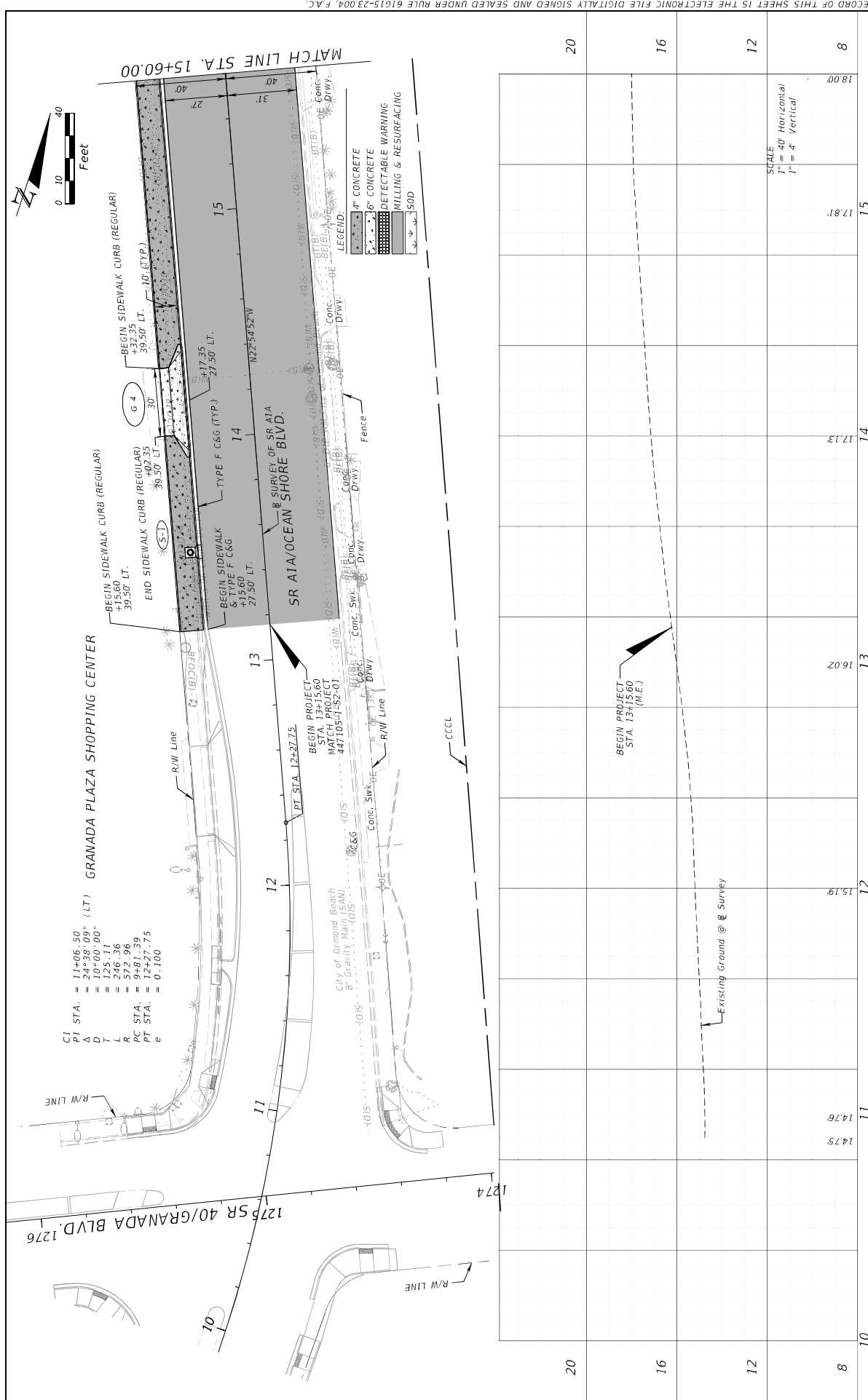
START/WORK NOTIFICATION & LANE CLOSURE NOTIFICATION

VOTRAM (ASSISTANT GENERAL MANAGER)	ELIZABETH SUCHSLAND	(386) 756-7496 EXT. 4127	(ESUCHSLAND@VOLUSIA.ORG)
VOTRAM (TRANSIT PLANNER)	IAKE LUNCEFORD	(386) 756-7496 EXT. 4157	(LUNCEFORD@VOLUSIA.ORG)

4. DISCUSS CONSTRUCTION SCHEDULING AND AGENCY COORDINATION ISSUES, INCLUDING BUS STOP ISSUES AT THE PRECONSTRUCTION CONFERENCE.
5. EXISTING DRIVEWAYS WITH PAVERS ARE TO BE CAREFULLY REMOVED AND RETURNED TO THE PROPERTY OWNER.

DATE	DESCRIPTION	REVISIONS		ENGINEER OF RECORD	STATE OF FLORIDA			SHEET NO.
		DATE	DESCRIPTION		DEPARTMENT OF TRANSPORTATION	COUNTY	FINANCIAL PROJECT ID	
				CECILIA VILLORIA, P.E. 366 KEITH AND ASSOCIATES, INC 301 E ATLANTIC BLVD POMPANO BEACH, FL 33060	SR A1A	VOLUSIA	442874-1-52-01	22

GENERAL NOTES



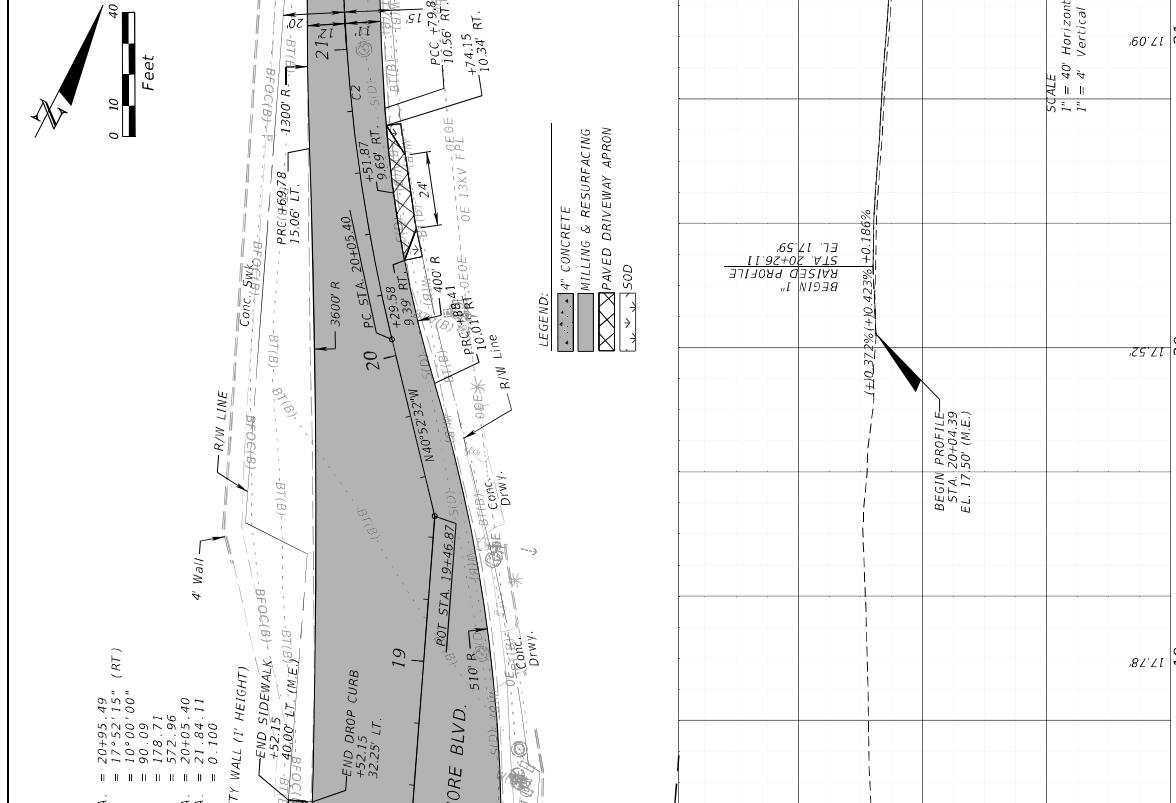
REVISIONS		DESCRIPTION	
NO.	DATE	DESCRIPTION	DATE
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2	14.76		

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. SR A1A		COUNTY VOLUSTA		FINANCIAL PROJECT ID 442874-152-01	
ENGINEER OF RECORD CECILIA VILLORIA, P.E. KELLY S. KEITH AND ASSOCIATES, INC. 301 E. ATLANTIC BLVD., POMPANO BEACH, FL 33060				SHEET NO. 23			

3/7/2024 12:15:10 PM BMT
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



DATE	DESCRIPTION	REVISIONS
18.00		
18.07		
17.55	Existing Ground @ Survey	
17.46		
17.78		
17.52		
17.03		

DATE	DESCRIPTION	REVISIONS
18.00		
18.07		
17.55	Existing Ground @ Survey	
17.46		
17.78		
17.52		
17.03		

DATE	DESCRIPTION	REVISIONS
18.00		
18.07		
17.55	Existing Ground @ Survey	
17.46		
17.78		
17.52		
17.03		

DATE	DESCRIPTION	REVISIONS
18.00		
18.07		
17.55	Existing Ground @ Survey	
17.46		
17.78		
17.52		
17.03		

DATE	DESCRIPTION	REVISIONS
18.00		
18.07		
17.55	Existing Ground @ Survey	
17.46		
17.78		
17.52		
17.03		

ENGINEER OF RECORD
 CECILIA VILLORIA, P.E.
 KEITH AND ASSOCIATES, INC.
 301 E. ATLANTIC BLVD.
 POMPANO BEACH, FL 33060

DEPARTMENT OF TRANSPORTATION
 ROAD NO. SR A1A
 COUNTY VOLUSTIA
 FINANCIAL PROJECT ID 442874-152-01

ROADWAY PLAN-PROFILE

SCALE
 1" = 40' Horizontal
 1" = 4' Vertical

BEGIN PROFILE
 STA. 20+04.39
 EL. 17.50' (M.E.)

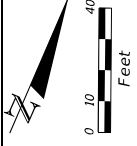
RAISED PROFILE
 STA. 20+26.11
 EL. 17.59

+10.32% (+10.42%)+0.166%

4' CONCRETE
 MILLING & RESURFACING
 PAVED DRIVEWAY APRON
 SOD

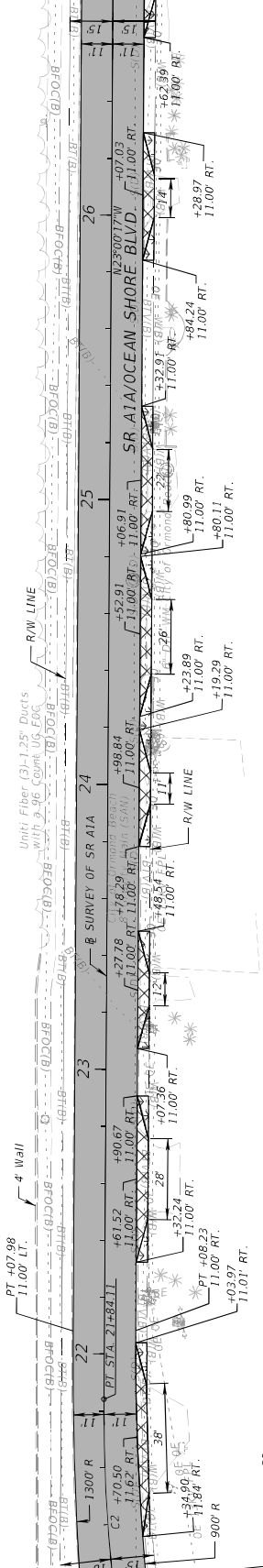
DATE	DESCRIPTION	REVISIONS
18.00		
18.07		
17.55	Existing Ground @ Survey	
17.46		
17.78		
17.52		
17.03		

DATE	DESCRIPTION	REVISIONS
18.00		
18.07		
17.55	Existing Ground @ Survey	
17.46		
17.78		
17.52		
17.03		



MATCH LINE STA. 21+20.00

MATCH LINE STA. 26+80.00



C2 STA. = 20+95.49
 P1 STA. = 17'52'.15" (RT)
 Δ = 10°00'.00"
 D = 90.09
 T = 178.71
 L = 572.96
 R C STA. = 20+05.40
 P1 STA. = 0+1.00
 e

LEGEND:
 MILLING & RESURFACING
 PAVED DRIVEWAY APRON
 SOD

STATION	PROPOSED PROFILE @ 0' OF SURVEY	EXISTING GROUND @ 0' OF SURVEY
20	17.03	15.74
16		
12		
8	16.94	15.66

SCALE
 1" = 40' Horizontal
 1" = 4' Vertical

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
22		16.18		

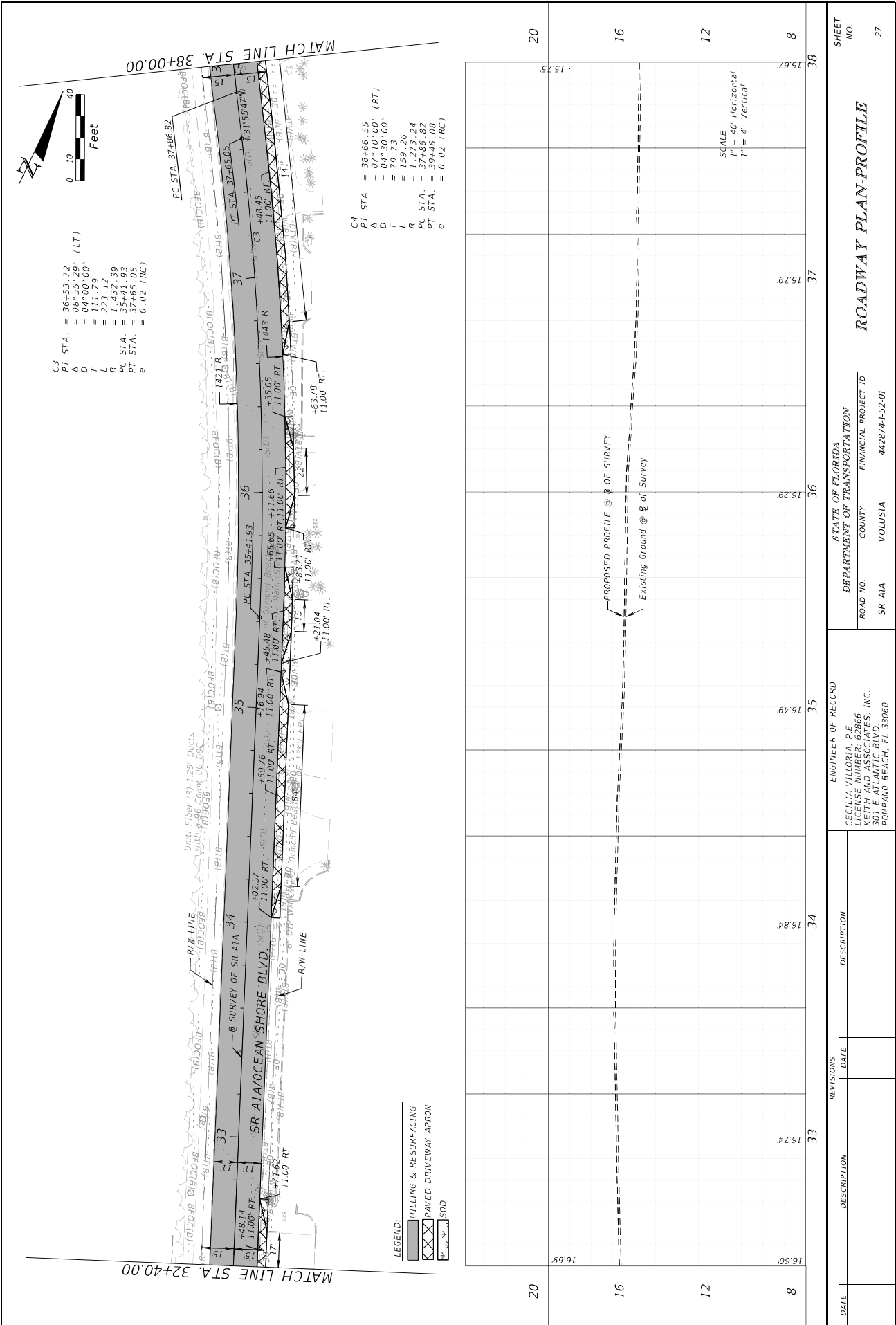
STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
COUNTY		FINANCIAL PROJECT ID	
SR A1A	VOLUSIA	442874-1-52-01	

ENGINEER OF RECORD	
CECILIA VILLORIA, P.E. 11666	
KEITH AND ASSOCIATES, INC.	
301 E. ATLANTIC BLVD.	
POMPANO BEACH, FL 33060	

SHEET NO.	25
ROADWAY PLAN-PROFILE	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

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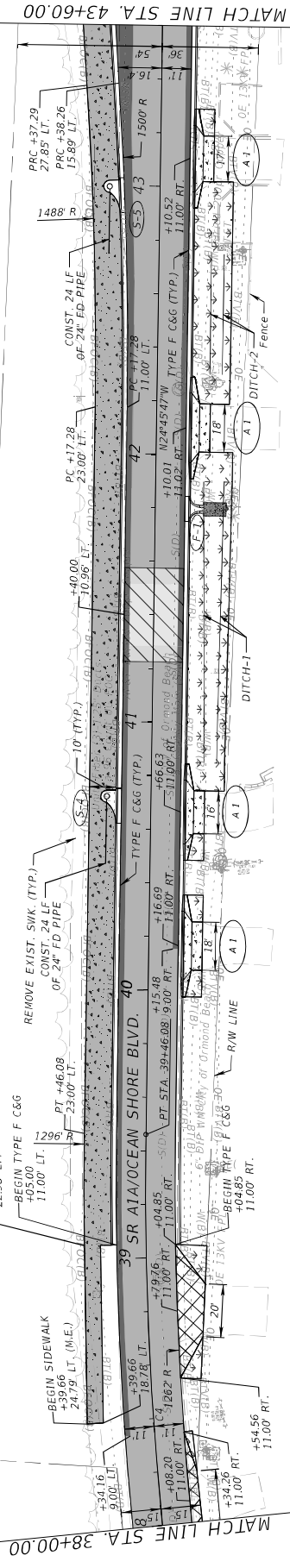
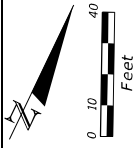


C3
 PI STA. = 36+53.72
 A = 08°55'29" (LT)
 D = 04°00'00"
 L = 221.72
 R = 1,432.39
 PC STA. = 35+41.93
 PT STA. = 37+65.05
 e = 0.02 (RC)

C4
 PI STA. = 38+66.55
 A = 07°10'00" (RT)
 D = 04°30'00"
 L = 159.26
 R = 1,273.24
 PC STA. = 37+86.82
 PT STA. = 39+46.08
 e = 0.02 (RC)

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
20	16.69		20	15.75
16			16	
12			12	
8	16.60		8	15.67
			37	
			36	
			35	
			34	
			33	
			38	

ROADWAY PLAN-PROFILE		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO.
SR A1A	VOLUSTA	ROAD NO.	FINANCIAL PROJECT ID	27
		442874-1-52-01		
ENGINEER OF RECORD		CECILIA VILLORIA, P.E. KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060		

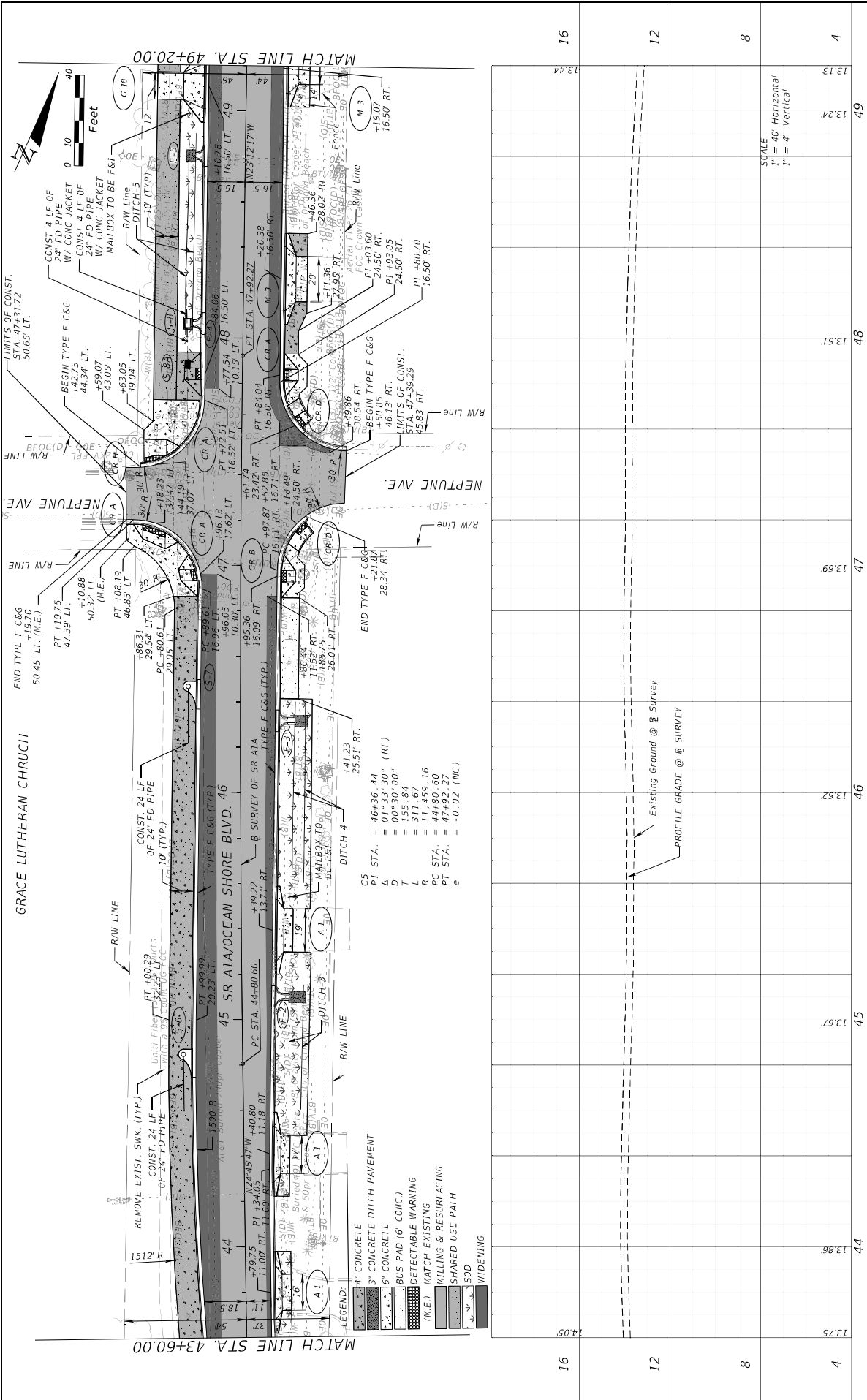


C4
 PI STA. = 38+66.55
 Δ = 07+10.00" (RT)
 P = 07+75.00"
 L = 159.26
 R = 1+273.24
 PC STA. = 37+86.82
 PT STA. = 39+46.08
 e = 0.02 (RC)

- LEGEND:
- 4" CONCRETE
 - 3" CONCRETE DITCH PAVEMENT
 - 3" CONCRETE
 - MILLING & RESURFACING
 - PAVED DRIVEWAY APRON
 - SOD
 - SPEED TABLE
 - WIDENING

DATE	DESCRIPTION	REVISIONS	DESCRIPTION	DATE
15.67	38		15.67	
15.67	39	15.21	14.66	40
15.75	20		14.33	41
16	16		13.93	42
12	12		13.75	43
8	8		13.75	

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. COUNTY		SR A1A VOLUSIA		FINANCIAL PROJECT ID		442874-1-52-01	
ENGINEER OF RECORD		CECILIA VILORIA, P.E.		KEITH AND ASSOCIATES, INC.		301 E ATLANTIC BLVD.		POMPANO BEACH, FL 33060	
ROADWAY PLAN PROFILE		SHEET NO.		28					



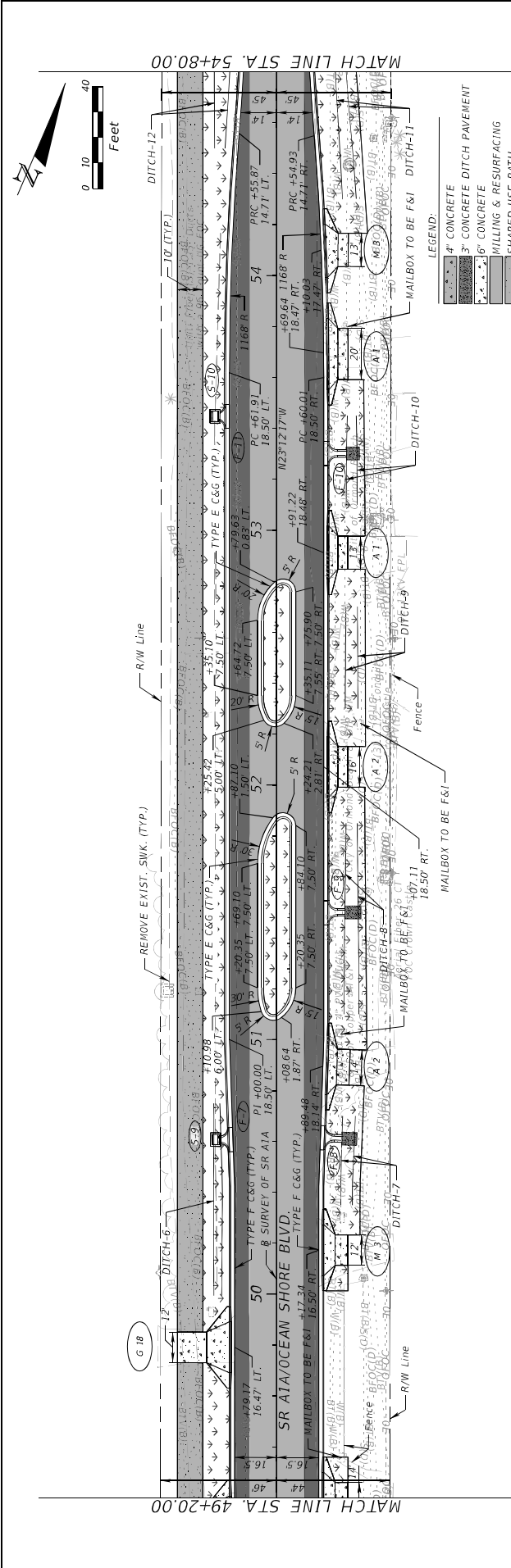
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
16	13.75	44	45	13.67
12	13.86	45	46	13.62
8	13.13	46	47	13.69
4	13.24	47	48	13.61
	13.44	48	49	13.13

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. COUNTY	
SR A1A VOLUSIA		442874-152-01	

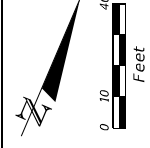
ENGINEER OF RECORD		FINANCIAL PROJECT ID	
CECILIA VILLORIA, P.E. KEITH AND ASSOCIATES, INC. 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060		442874-152-01	

ROADWAY PLAN-PROFILE

SHEET NO. 29

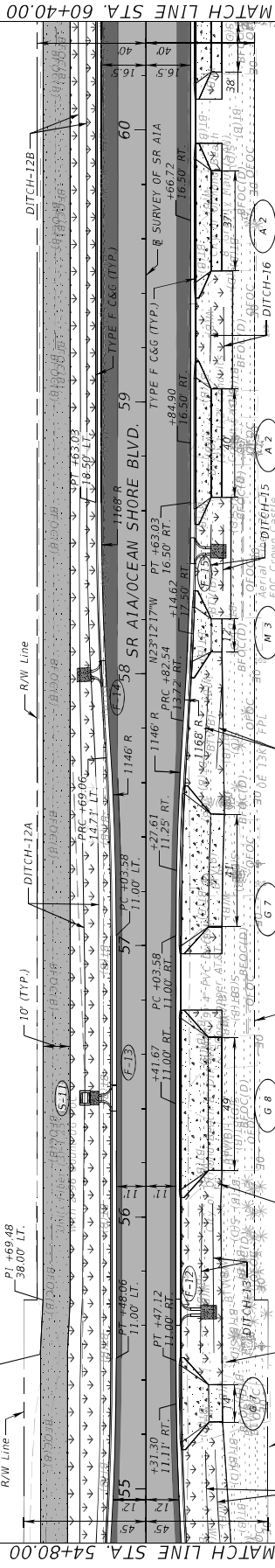
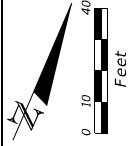


- LEGEND:
- 4" CONCRETE
 - 3" CONCRETE DITCH PAVEMENT
 - CONCRETE
 - MILLING & RESURFACING
 - SHARED USE PATH
 - SOD
 - WIDENING



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
16	13.44		50	12.94
12			51	12.76
8			52	12.98
4	13.64		54	13.47

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. COUNTY		FINANCIAL PROJECT ID	
SR A1A VOLUISIA		442874-152-01			
ENGINEER OF RECORD					
CECILIA VILLORIA, P.E. FLORIDA REG. NO. 15666 KEITH AND ASSOCIATES, INC. 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060					
ROADWAY PLAN-PROFILE					
SHEET NO. 30					



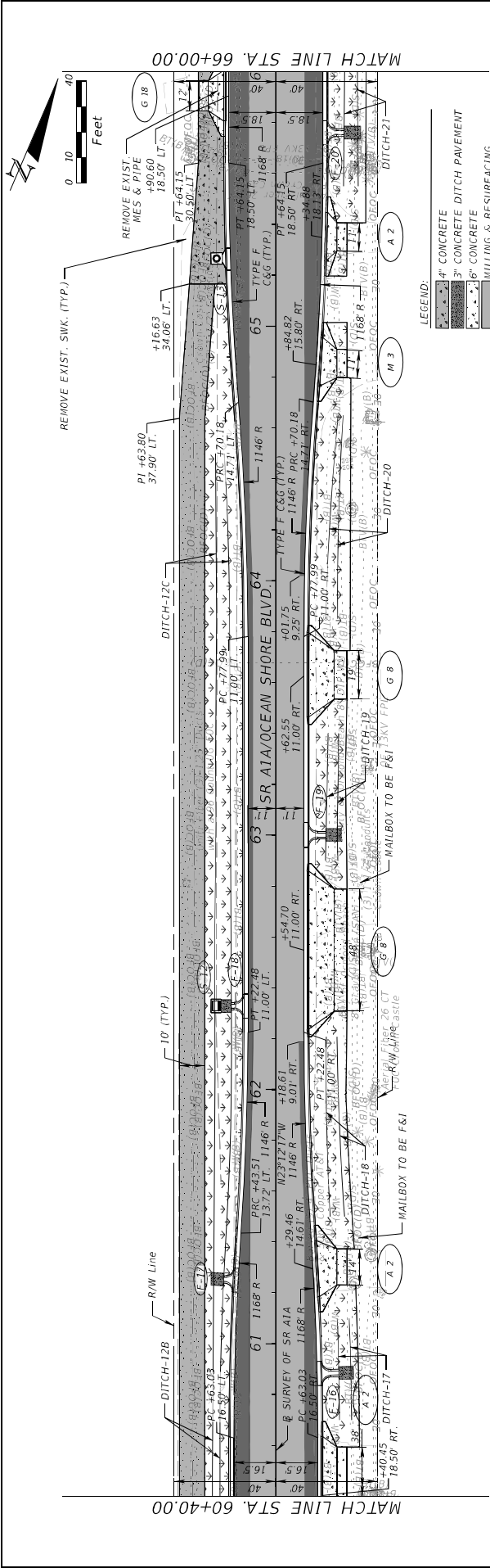
- LEGEND:
- 3" CONCRETE DITCH PAVEMENT
 - 6" CONCRETE
 - MILLING & RESURFACING
 - SHARED USE PATH
 - SOD
 - WIDENING

DATE	DESCRIPTION	REVISIONS	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION
20											
16											
12											
8											
8	13.69			13.94				14.35			
12	13.64							14.44			
16								14.74			
20								15.29			
8	14.99							15.00			
8								60			

SCALE
1" = 40' Horizontal
1" = 4' Vertical

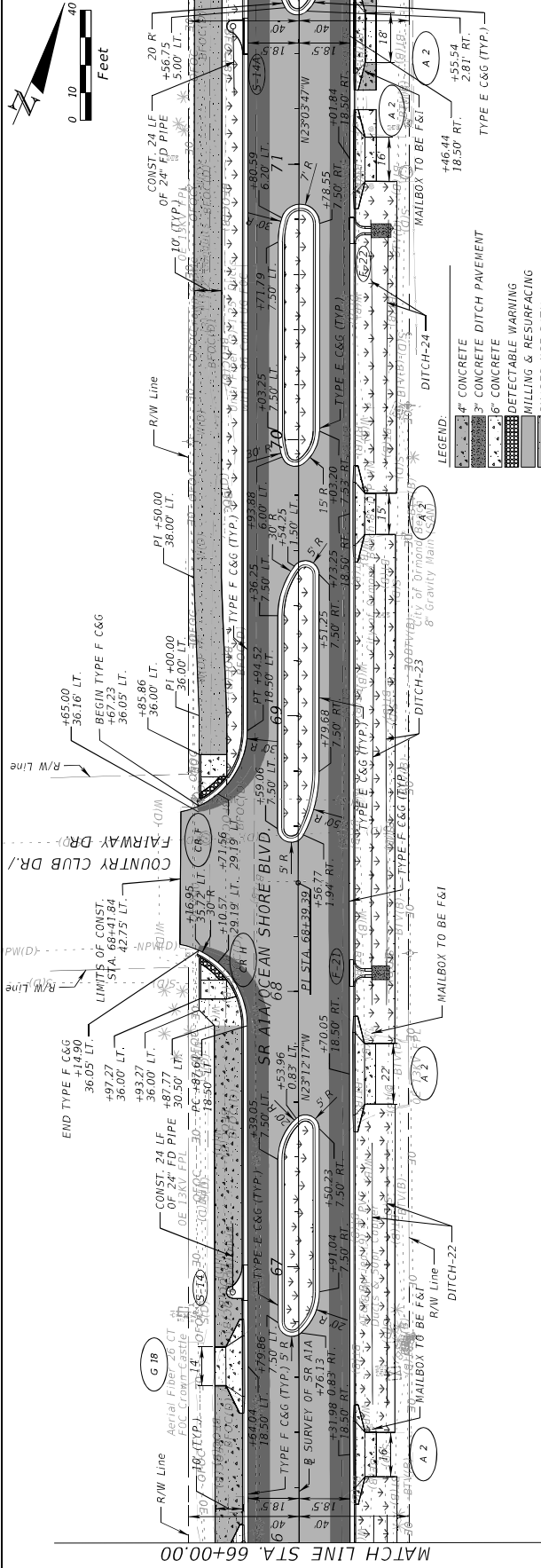
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. SR A1A		COUNTY VOLUSTA	FINANCIAL PROJECT ID 442874-1-52-01
ROADWAY PLAN-PROFILE					
ENGINEER OF RECORD CECILIA VILORIA, P.E. KEITH AND ASSOCIATES, INC. 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060			SR A1A		

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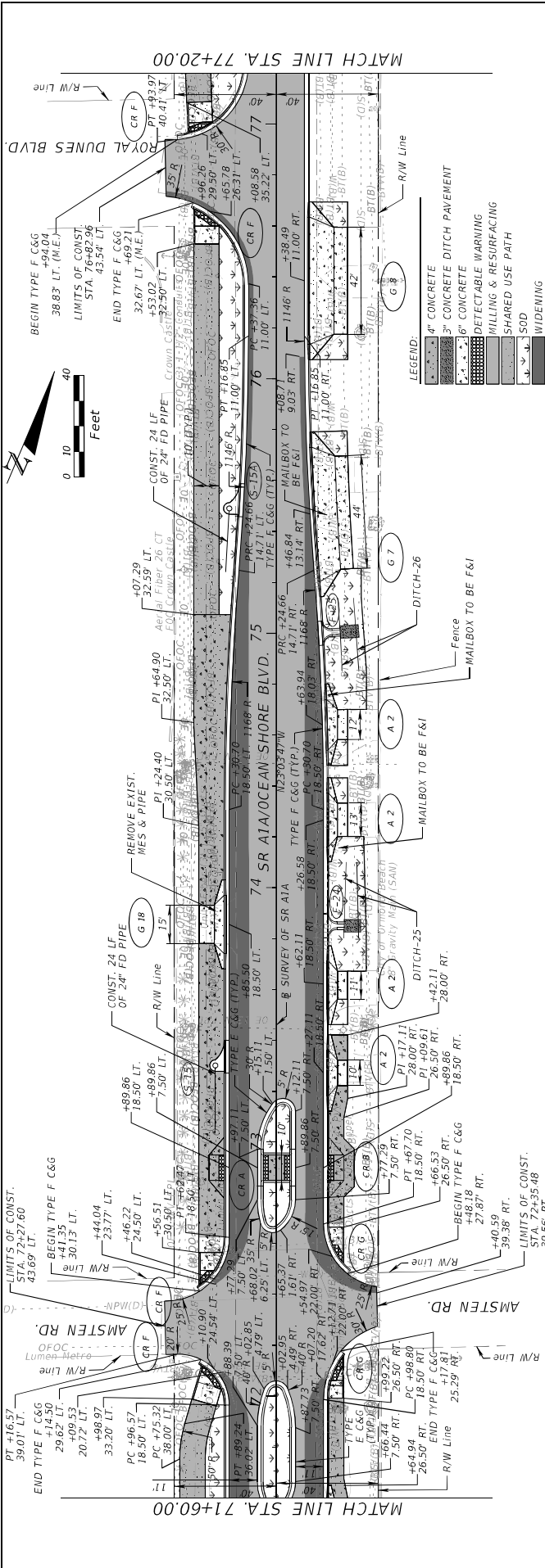
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14.99		14.99	CECILIA VILLORIA, P.E. 15666 KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060	SR A1A	32
15.29		15.09			
16		15.09	COUNTY VOLUSIA	FINANCIAL PROJECT ID	66
12		14.99			8
16		15.09			16
20		14.99			20
8		14.99			8
12		14.99			12
16		15.09			16
20		15.29			20
8		14.99			8
12		14.99			12
16		15.09			16
20		15.29			20

DATE	DESCRIPTION	REVISIONS	ENGINEER OF RECORD	DEPARTMENT OF TRANSPORTATION	SHEET NO.
14.99		14.99	CECILIA VILLORIA, P.E. 15666 KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060	SR A1A	32
15.29		15.09			
16		15.09	COUNTY VOLUSIA	FINANCIAL PROJECT ID	66
12		14.99			8
16		15.09			16
20		14.99			20
8		14.99			8
12		14.99			12
16		15.09			16
20		15.29			20



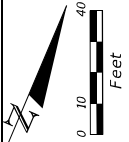
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
20	17.25		16.71	
16		PROFILE GRADE @ SURVEY Existing Ground @ Survey		
12				
8	16.95		16.88	SCALE 1" = 40' Horizontal 1" = 4' Vertical
66	16.94		70	
67			69	
68			71	

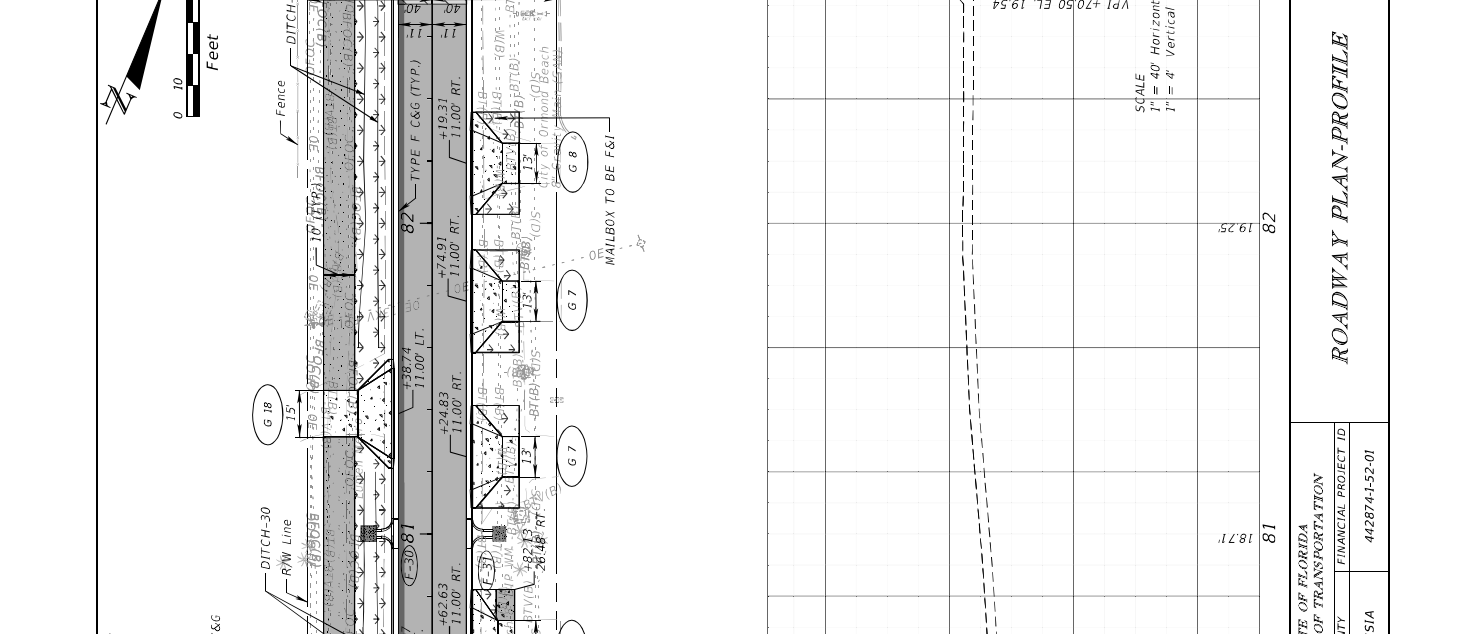
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROADWAY PLAN-PROFILE	
SR AIA	VOLUSTA	ROAD NO.	442874-1-52-01
COUNTY		FINANCIAL PROJECT ID	
ENGINEER OF RECORD		SHEET NO.	
CECILIA VILLORIA, P.E. 1666 KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060		33	



DATE	DESCRIPTION	REVISIONS	ENGINEER OF RECORD	SR A/A	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
16.41	72		CECILIA VILLORIA, P.E. 15666 KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060		VOLUSIA	442874-152-01	34
16.20	72						
17.86	73						
17.91	73						
17.91	74						
17.91	75						
17.91	75						
17.91	76						
17.88	77						
18.16	20						
16	16						
12	12						
8	8						

DATE	DESCRIPTION	REVISIONS	ENGINEER OF RECORD	SR A/A	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
16.41	72		CECILIA VILLORIA, P.E. 15666 KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060		VOLUSIA	442874-152-01	34
16.20	72						
17.86	73						
17.91	73						
17.91	74						
17.91	75						
17.91	75						
17.91	76						
17.88	77						
18.16	20						
16	16						
12	12						
8	8						





DATE	DESCRIPTION	REVISIONS	ENGINEER OF RECORD	STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
17.86		78	CECILIA VILLORIA, P.E. #6666 KEITH AND ASSOCIATES, INC. 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060	FLORIDA	TRANSPORTATION	SR A1A	VOLUSIA	442874-1-52-01	35

DATE	DESCRIPTION	REVISIONS	DESCRIPTION	STATION
17.86		78	Existing Ground @ Survey	79
17.86		78	Profile Grade @ Survey	79
18.15		78	VP1 +13.26 EL. 18.62	79
18.15		78	VP1 +36.30 EL. 18.63	79
18.15		78	VP1 +41.77 EL. 18.17	80
18.15		78	VP1 +70.50 EL. 18.13	80
19.23		82	VP1 +70.50 EL. 19.54	82
19.23		82	VP1 +80.00 EL. 20.04	82

LEGEND:
 4" CONCRETE
 3" CONCRETE DITCH PAVEMENT
 6" CONCRETE
 BUS PAD (6" CONC.)
 DETECTABLE WARNING
 MILLING & RESURFACING
 RAISED CROSSWALK
 SHARED USE PATH
 SOD
 SPEED TABLE

MATCH LINE STA. 77+20.00
 MATCH LINE STA. 82+80.00

SCALE
 1" = 40' Horizontal
 1" = 4' Vertical

12
 16
 20
 24

17.86
 18.15
 18.13
 18.17
 18.62
 18.63
 18.71
 19.23

17.77
 17.82
 17.86

78
 79
 80
 81
 82

SR A1A

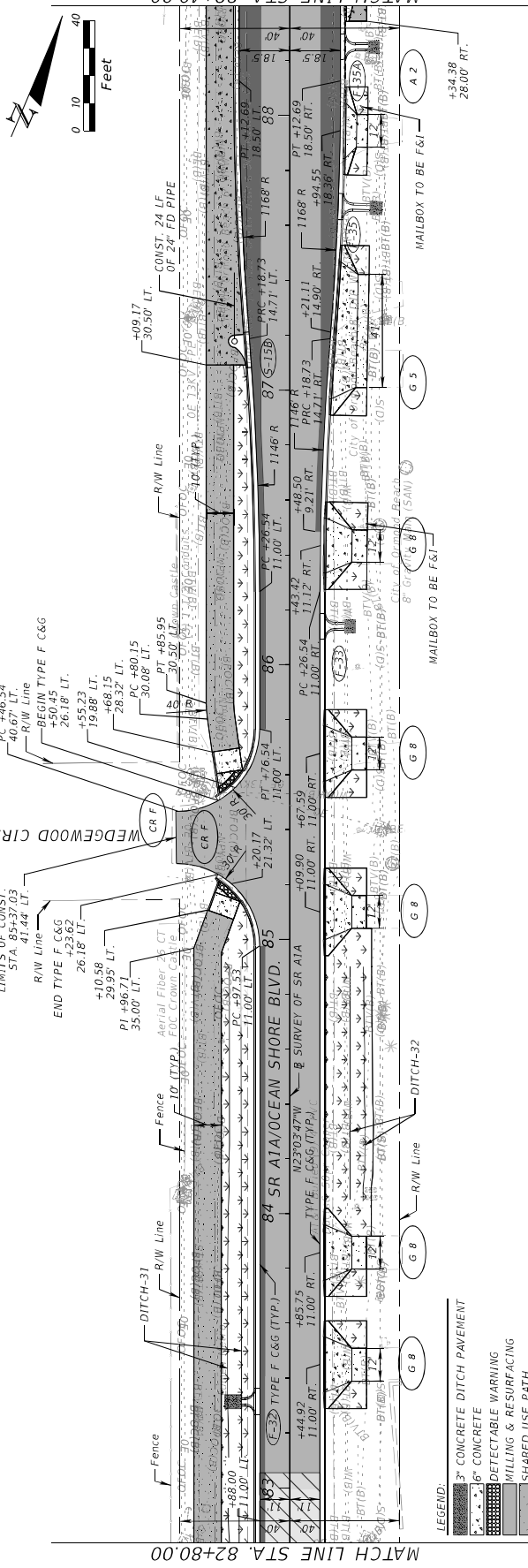
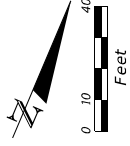
VOLUSIA

442874-1-52-01

ROADWAY PLAN-PROFILE

35

12:15:43 PM 01/17/2024
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- LEGEND:**
- 3" CONCRETE DITCH PAVEMENT
 - 6" CONCRETE
 - DETECTABLE WARNING
 - MILLING & RESURFACING
 - SHARED USE PATH
 - SOD
 - SPEED TABLE
 - WIDENING

DATE	DESCRIPTION	REVISIONS	DESCRIPTION	DATE	REVISIONS	DESCRIPTION
24	2004					
20						
16						
12						
12	19.23	VPI +05.22 EL. 19.56		83	19.37	
12	19.13			85	19.39	
12	19.13			86	19.39	
12	19.13			87	19.28	
12	19.13			88	19.13	
24	19.44					

SCALE
1" = 40' Horizontal
1" = 4' Vertical

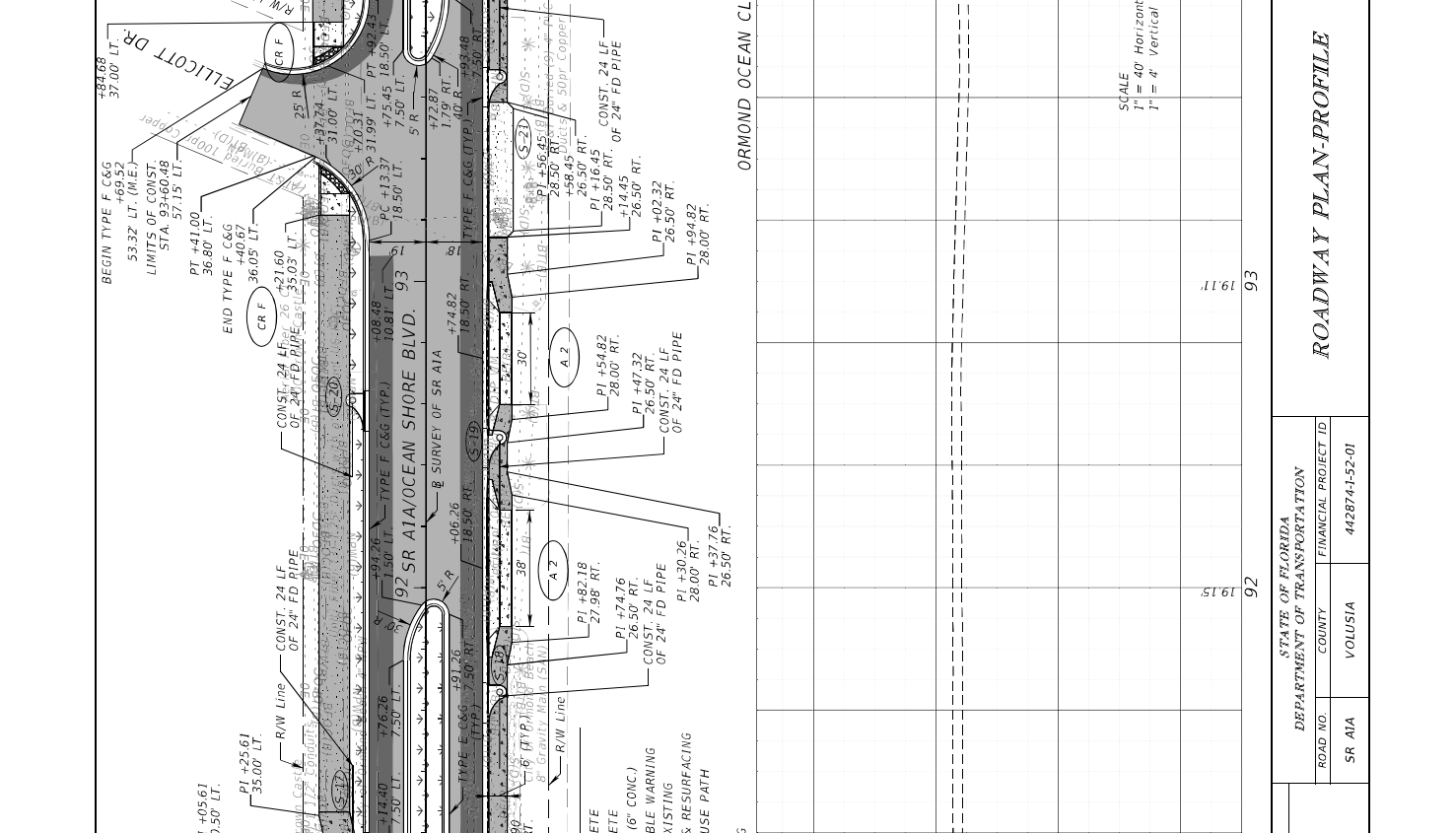
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	SR A1A	VOLUSIA	442874-152-01

ROADWAY PLAN-PROFILE

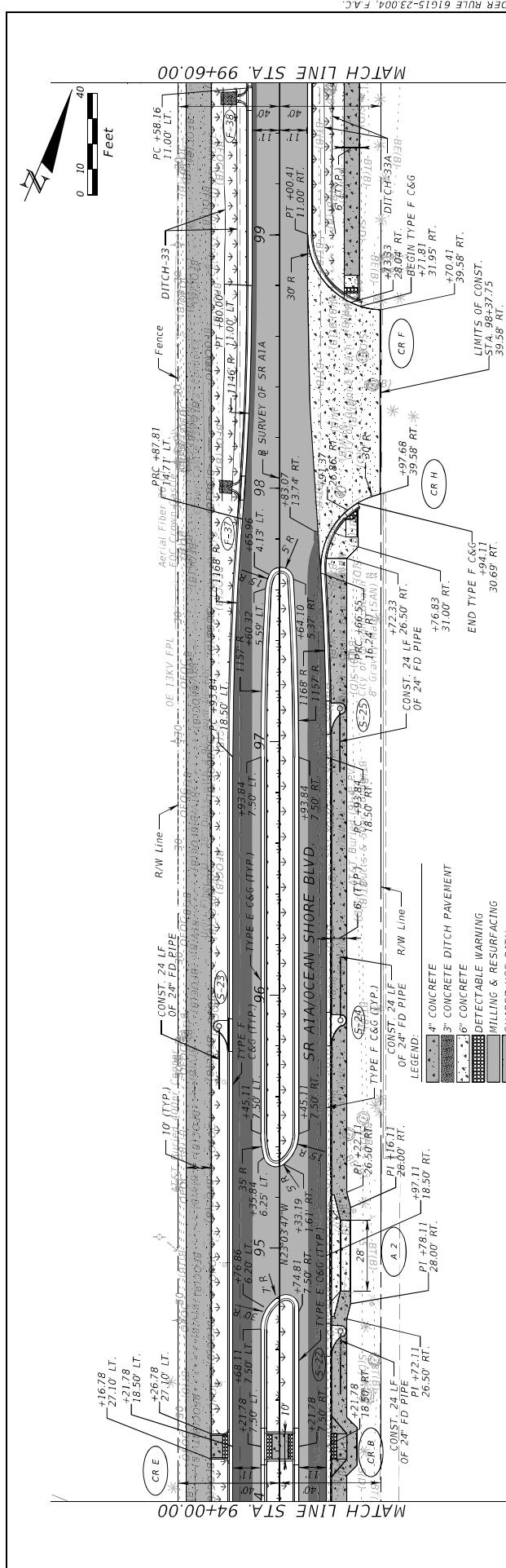
ENGINEER OF RECORD
CECILIA VILLORIA, P.E. 1686
KEITH AND ASSOCIATES, INC.
301 E. ATLANTIC BLVD.
POMPANO BEACH, FL 33060

DATE	DESCRIPTION
19.23	
19.25	

DATE	DESCRIPTION
19.13	
19.13	
19.13	
19.44	



DATE	DESCRIPTION	REVISIONS		ENGINEER OF RECORD	DEPARTMENT OF TRANSPORTATION		SHEET NO.
		DATE			ROAD NO.	FINANCIAL PROJECT ID	
1913				CECILIA VILLORIA, P.E. KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060	SR A1A	442874-152-01	37
1944							
24							24
20							20
16							16
12							12
1913		89	1912				18.96
							19.13
							19.09
							19.15
							19.11
							93
							92
							91
							90
							94



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
12	18.96		18.97	96
16			18.87	97
20			18.74	98
24			18.39	99

DESCRIPTION		REVISIONS		DATE	
18.96				18.97	96
				18.87	97
				18.74	98
				18.39	99

ROADWAY PLAN-PROFILE

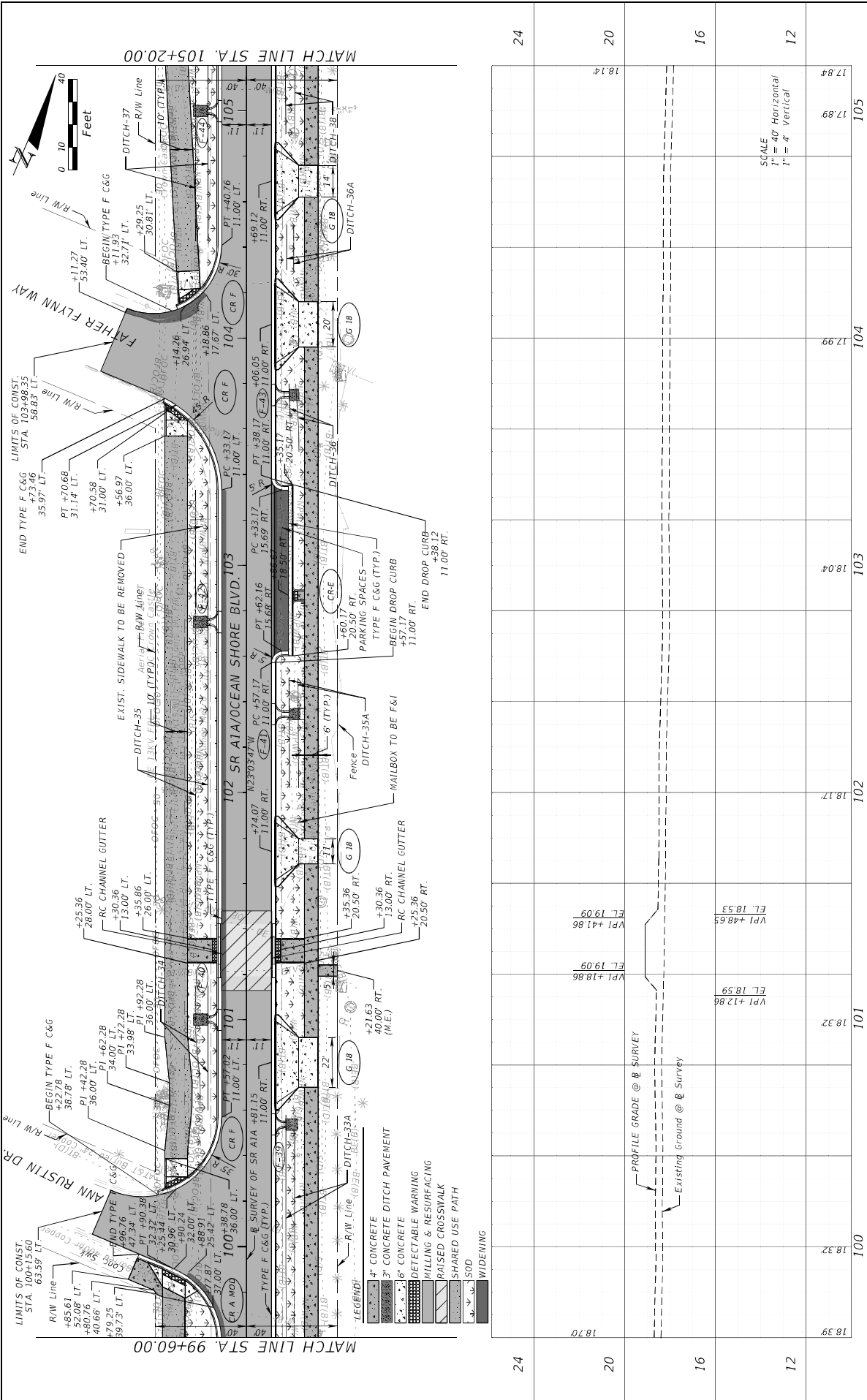
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. SR A1A COUNTY VOLUSTA FINANCIAL PROJECT ID 442874-1-52-01

ENGINEER OF RECORD
CECILIA VILLORIA, P.E. 666
KEITH AND ASSOCIATES, INC.
301 E ATLANTIC BLVD.
POMPANO BEACH, FL 33060

SHEET NO. 38

SCALE
1" = 40' Horizontal
1" = 4' Vertical



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
18.39	100			
18.32	101			
18.17	102			
18.04	103			
17.99	104			
17.89	105			
17.84				

24	20	16	12
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24	20	16	12
----	----	----	----

24	20	16	12
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24	20	16	12
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24	20	16	12
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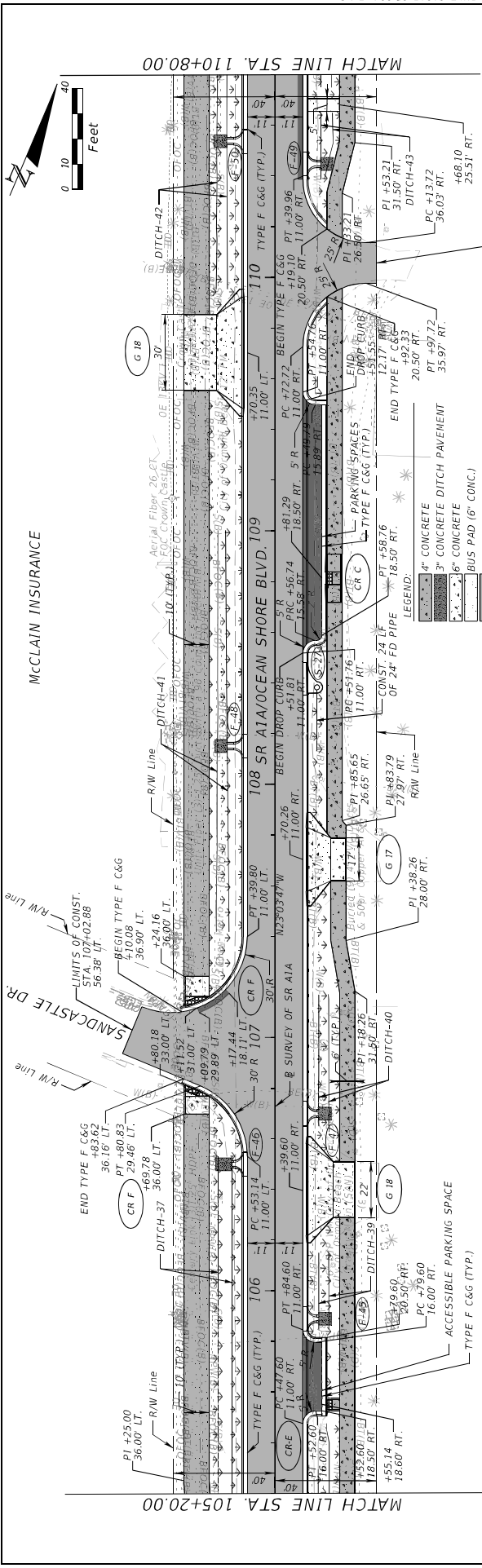
ROADWAY PLAN-PROFILE

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR A1A	VOLUSIA	442874-152-01

ENGINEER OF RECORD
CECILIA VILLORIA, P.E.
KEITH AND ASSOCIATES, INC.
301 E. ATLANTIC BLVD.
POMPANO BEACH, FL 33060

18.39	100		
18.32	101		
18.17	102		
18.04	103		
17.99	104		
17.89	105		
17.84			



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
17.84			17.81	
18.14			17.81	
20			18.14	
24			18.14	
16			18.07	
12			18.07	
20			18.47	
24			18.74	
			18.79	

ROADWAY PLAN-PROFILE

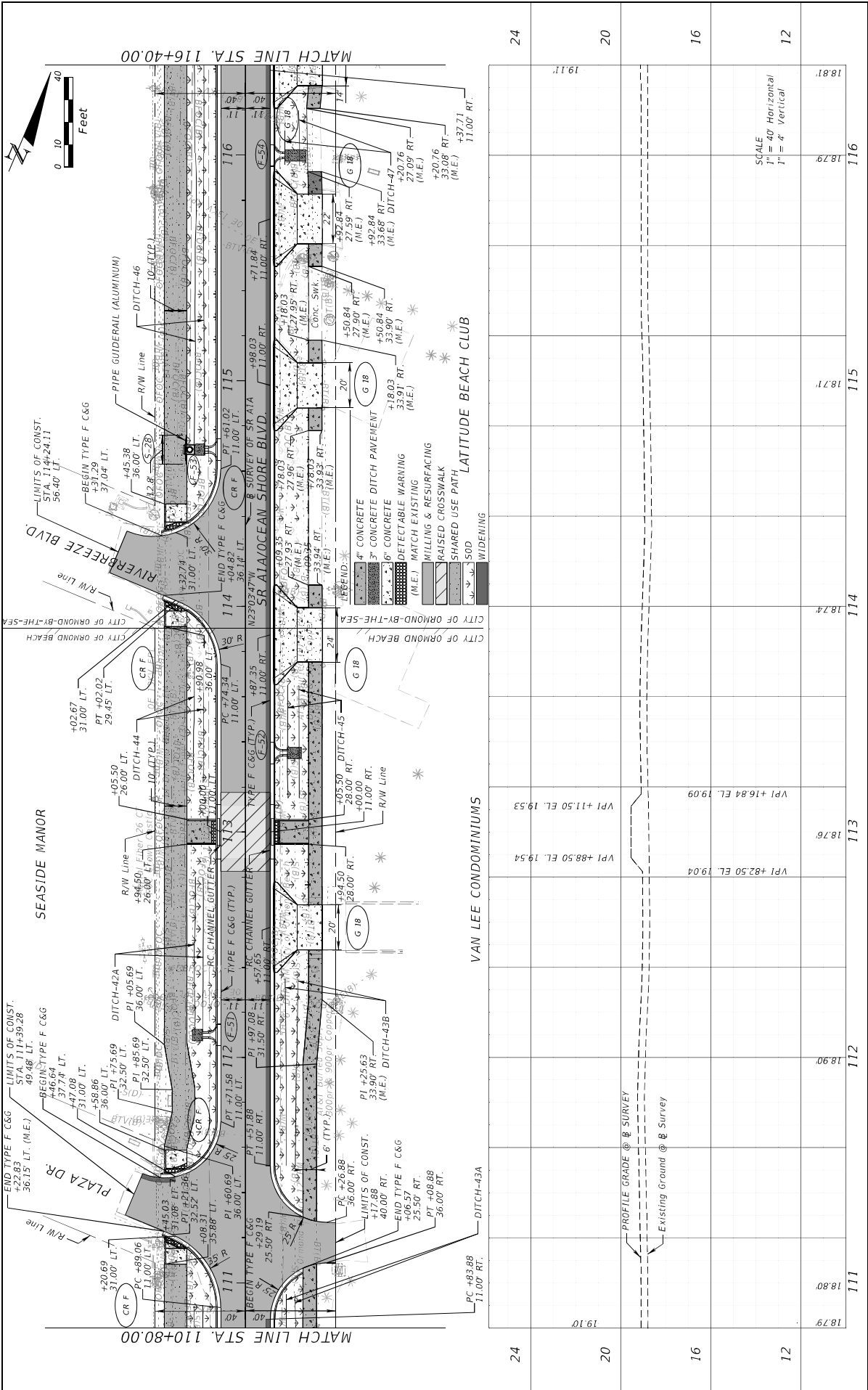
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. SR A1A COUNTY VOLUSTA FINANCIAL PROJECT ID 442874-152-01

ENGINEER OF RECORD
CECILIA VILLORIA, P.E.
KEITH AND ASSOCIATES, INC.
301 E ATLANTIC BLVD.
POMPANO BEACH, FL 33060

SCALE
1" = 40' Horizontal
1" = 4' Vertical

121557 PM 8/11/2024
N:\WORK\SR\17\DOT\442874\33071\ROADWAY\PL\PH021.dgn



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
18.79	111		18.81	116
18.90	112		18.71	115
18.76	113		18.79	116
18.74	114			
19.10	24			
20	20			
16	16			
12	12			

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
ROAD NO.	SR A1A
COUNTY	VOLUSTA
FINANCIAL PROJECT ID	442874-152-01

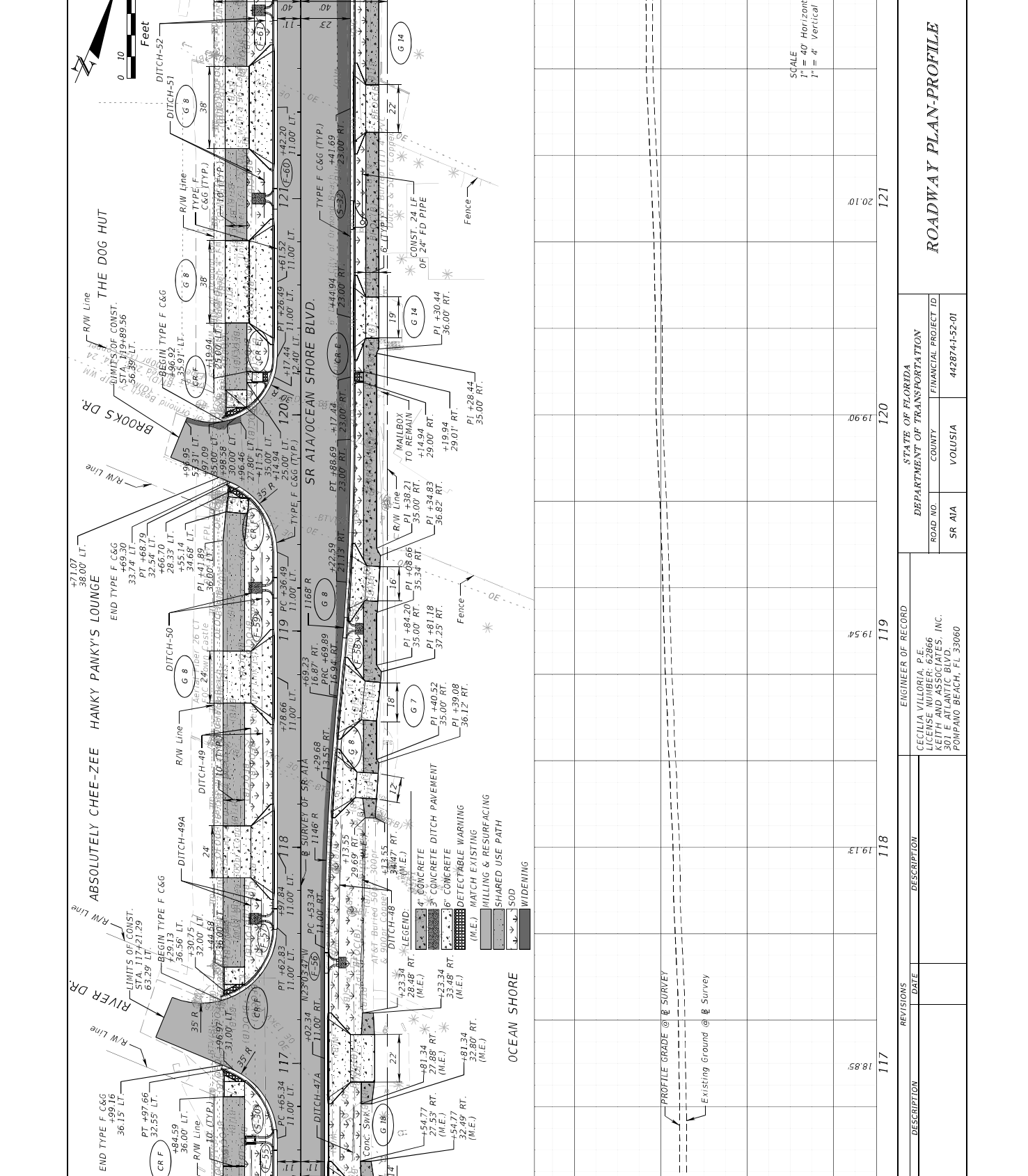
CECILIA VILLORIA, P.E. 1666
 KEITH AND ASSOCIATES, INC.
 301 E ATLANTIC BLVD.
 POMPANO BEACH, FL 33060

ENGINEER OF RECORD

ROADWAY PLAN-PROFILE

SHEET NO. 41

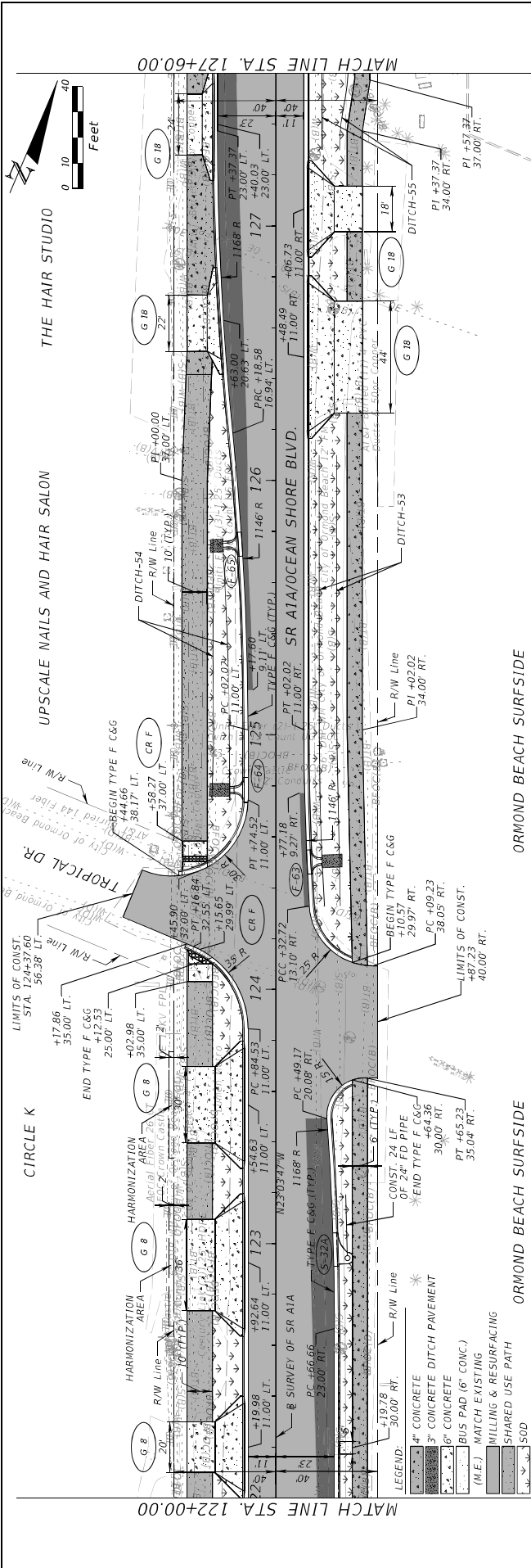
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



DATE	DESCRIPTION	REVISIONS	ENGINEER OF RECORD	DEPARTMENT OF TRANSPORTATION	SHEET NO.
			CECILIA VILLORIA, P.E. KEITH AND ASSOCIATES, INC. 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060	SR A1A	42
				COUNTY VOLUSTA	
				FINANCIAL PROJECT ID 442874-152-01	

DATE	DESCRIPTION	REVISIONS	ENGINEER OF RECORD	DEPARTMENT OF TRANSPORTATION	SHEET NO.
18.81					122
18.85					121
19.13					120
19.54					119
19.17					118
19.11					117
20					20
24					24

SCALE
1" = 40' Horizontal
1" = 4' Vertical



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
24	20.68		122	
20		PROFILE GRADE @ SURVEY	123	
		Existing Ground @ Survey	124	
16			125	
12	20.38		126	
			127	
24	21.48			

DATE		DESCRIPTION	REVISIONS		DATE	DESCRIPTION
12	20.38		122			
16			123			
20			124			
24	20.68		125			
			126			
			127			
12	21.18					

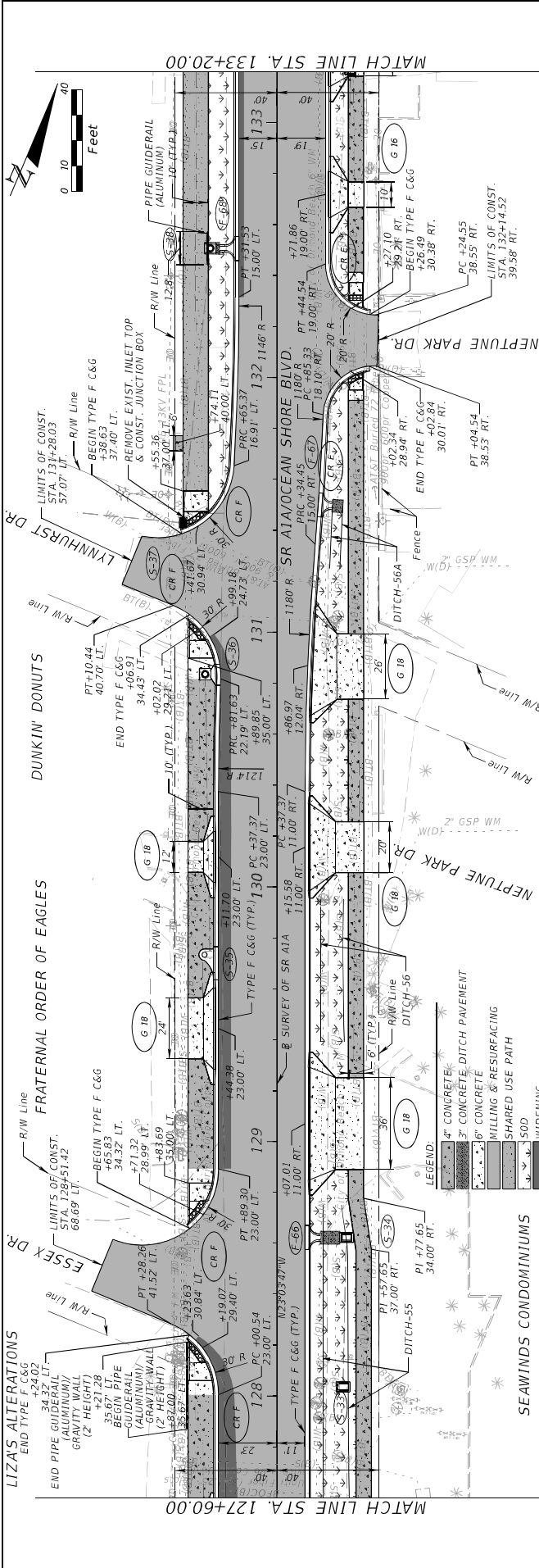
STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR A1A	VOLUSTA	442874-1-52-01	

ENGINEER OF RECORD		CECILIA VILORIA, P.E.	
KETH AND ASSOCIATES, INC.		301 E. ATLANTIC BLVD.	
POMPANO BEACH, FL 33060			

ROADWAY PLAN-PROFILE		SHEET NO.	
		43	

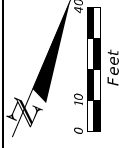
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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

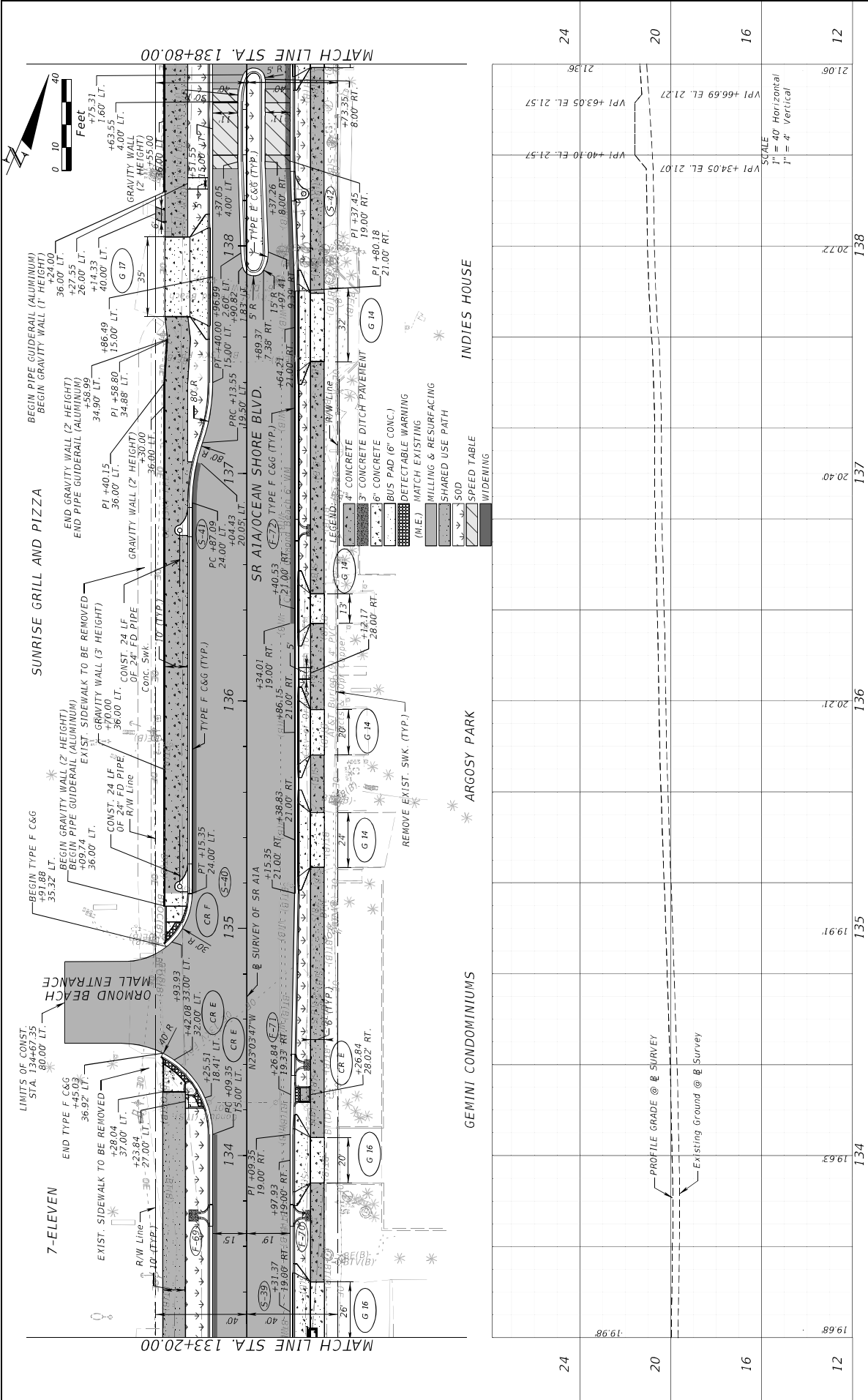


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
24	21.48		24	19.98
20		PROFILE GRADE @ SURVEY Existing Ground @ Survey	20	
16			16	
12	21.18		12	19.70
	21.15			19.68
	128			133
	129			132
	130			131
	131			130.41
	132			20.10
	133			19.70
	133			19.68

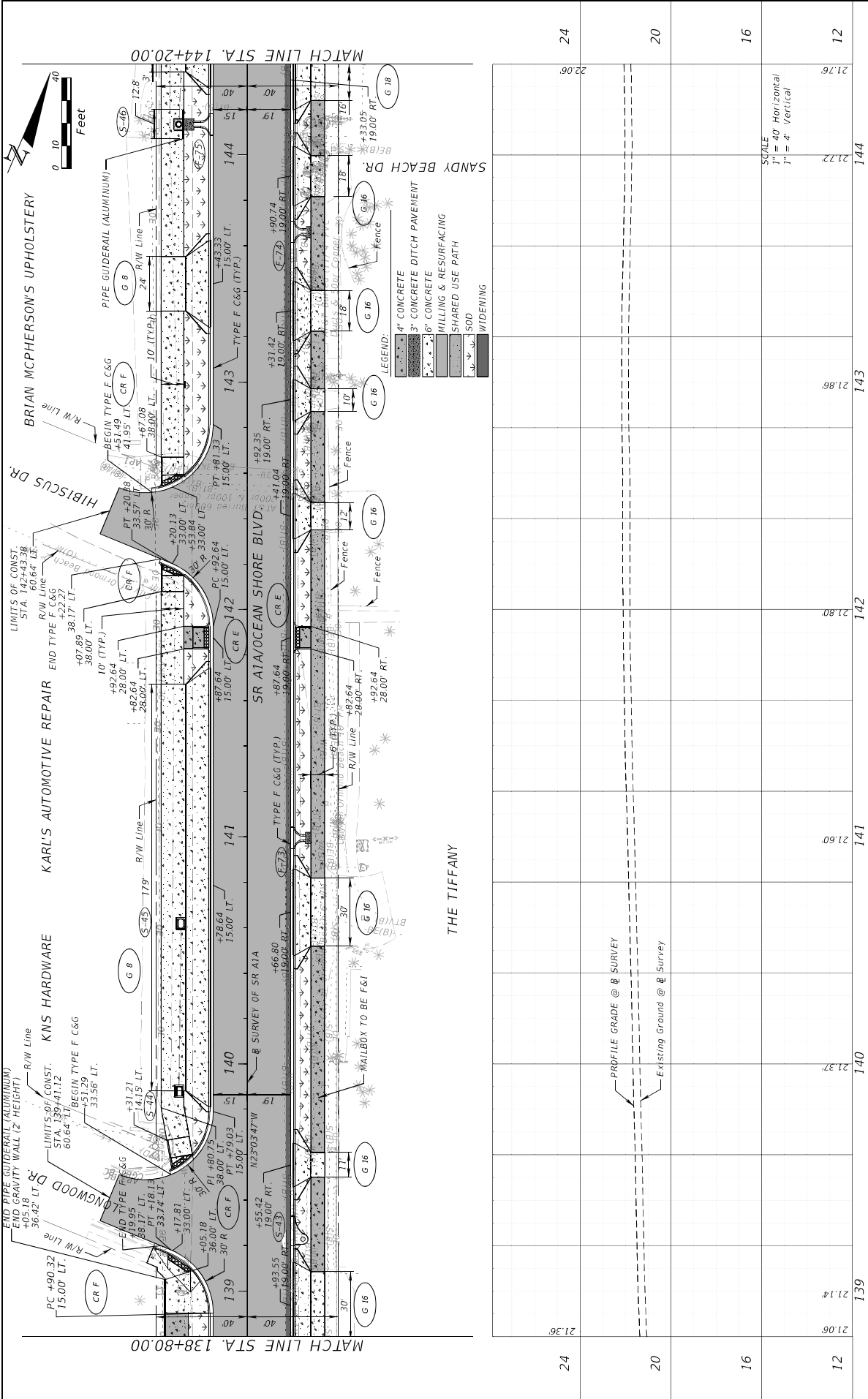
DATE		DESCRIPTION		REVISIONS		DATE		DESCRIPTION	
ENGINEER OF RECORD CECILIA VILLORIA, P.E. CECILIA VILLORIA & KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060				DEPARTMENT OF TRANSPORTATION ROAD NO. SR A1A COUNTY VOLUSTA FINANCIAL PROJECT ID 442874-152-01		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY VOLUSTA FINANCIAL PROJECT ID 442874-152-01			
				ROADWAY PLAN-PROFILE					
SHEET NO.		44		SHEET NO.		44			



SCALE
 1" = 40' Horizontal
 1" = 4' Vertical



SHEET NO. 45		STATE OF FLORIDA	
ROADWAY PLAN-PROFILE		DEPARTMENT OF TRANSPORTATION	
SR A1A	VOLUSTA	ROAD NO.	FINANCIAL PROJECT ID
442874-152-01			
ENGINEER OF RECORD		CECILIA VILLORIA, P.E.	
CECILIA VILLORIA, P.E.		KEITH AND ASSOCIATES, INC.	
301 E ATLANTIC BLVD.		POMPANO BEACH, FL 33060	



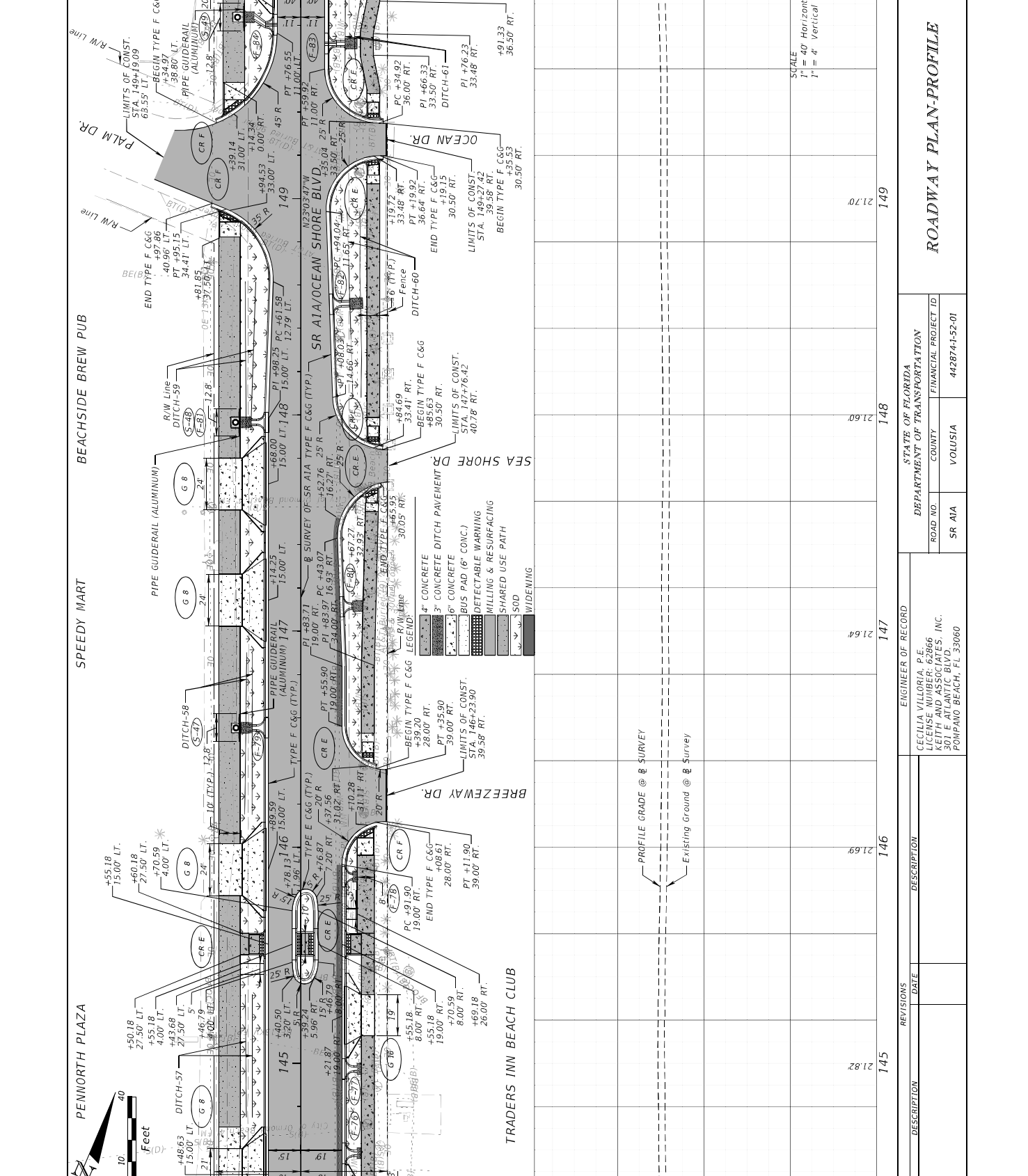
DATE	DESCRIPTION	REVISIONS	DESCRIPTION	DATE
24	21.06	139	21.37	140
16	21.14	141	21.60	141
12	21.76	142	21.80	142
20	21.36	143	21.86	143
24	22.06	144	21.72	144

24	21.36	20	21.37	20
16	21.14	16	21.14	16
12	21.76	12	21.76	12

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
SR A1A	VOLUSTIA	ROAD NO.	FINANCIAL PROJECT ID
442874-152-01			

ENGINEER OF RECORD		CECILIA VILLORIA, P.E.	
KNS ASSOCIATES, INC.		301 E. ATLANTIC BLVD.	
POMPANO BEACH, FL 33060			

ROADWAY PLAN-PROFILE	
SHEET NO.	46



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
24	22.06		145	21.76
20			146	21.69
16			147	21.64
12			148	21.60
12			149	21.70
12			150	21.81

24	22.12	20	20	16	12	12	150
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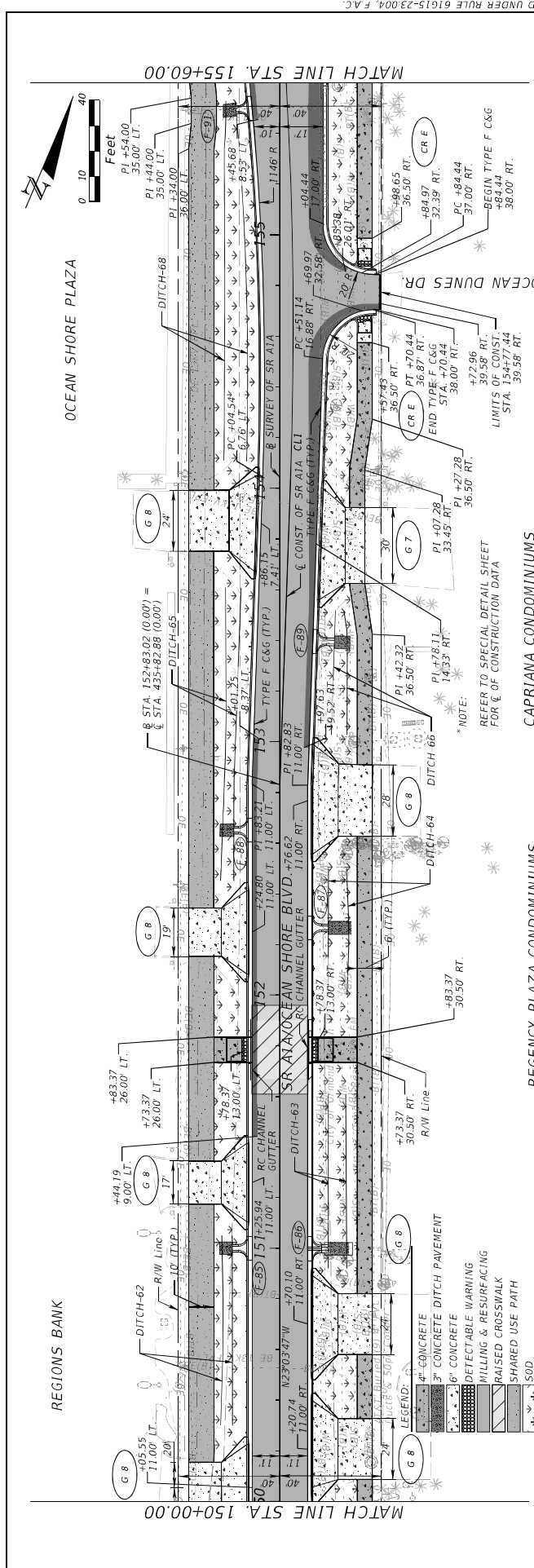
SCALE
1" = 40' Horizontal
1" = 4' Vertical

ROADWAY PLAN-PROFILE

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
COUNTY	FINANCIAL PROJECT ID
VOLUSIA	442874-152-01
SR A1A	

ENGINEER OF RECORD	CECILIA VILLORIA, P.E.
	KEITH AND ASSOCIATES, INC.
	301 E ATLANTIC BLVD.
	POMPANO BEACH, FL 33060

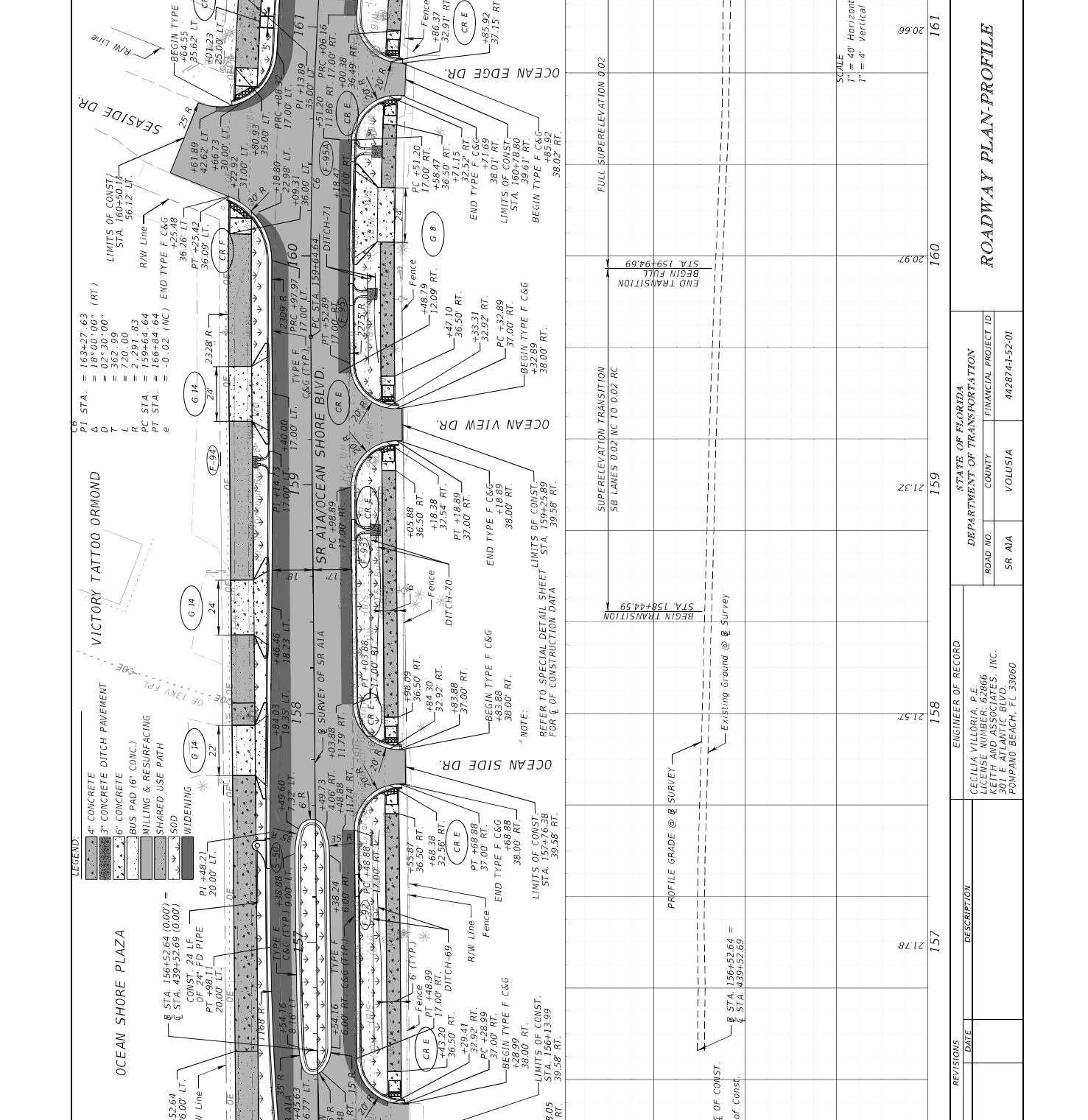
SHEET NO.	47
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DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
24	22.12		24	22.04
20			20	
16			16	
12	21.81		12	21.75

ROADWAY PLAN-PROFILE		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
SR A1A	VOLUSTA	ROAD NO.	FINANCIAL PROJECT ID
442874-152-01			
ENGINEER OF RECORD		CECILIA VILLORIA, P.E. 11666 KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

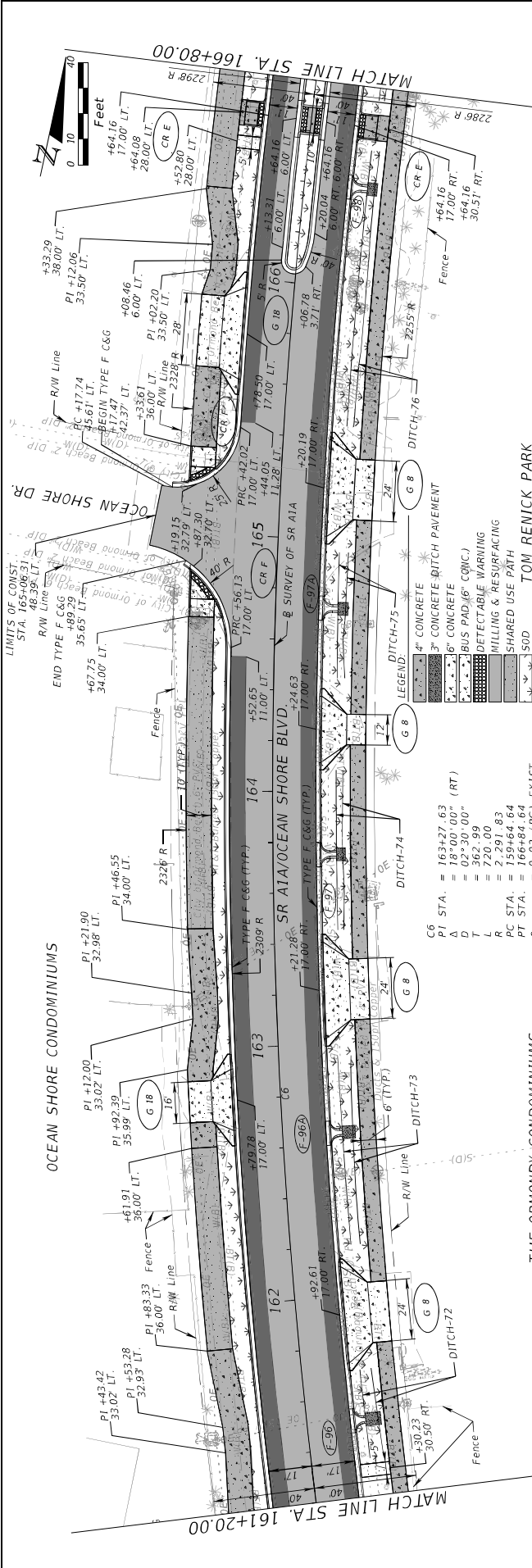


DATE	DESCRIPTION	REVISIONS	ENGINEER OF RECORD	DEPARTMENT OF TRANSPORTATION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
24	21.80	156	CECILIA VILORIA, P.E. #666 KEITH AND ASSOCIATES, INC. 301 E. ATLANTIC BLVD., POMPANO BEACH, FL 33060	SR A1A	VOLUSTIA	442874-152-01	49	
20	21.78	157						
16	21.82	158						
12	20.97	160						
12	20.62	161						

SCALE
1" = 40' Horizontal
1" = 4' Vertical

ROADWAY PLAN-PROFILE

24 20 16 12 12



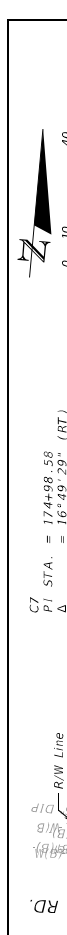
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
24			24	
20			20	
16			16	
12			12	
17.34			17.34	
18.02			18.02	
18.71			18.71	
19.38			19.38	
19.88			19.88	
20.67			20.67	
20.92			20.92	
24			24	
20			20	
16			16	
12			12	

DATE		DESCRIPTION	
17.34			
18.02			
18.71			
19.38			
19.88			
20.67			
20.92			

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
SR A1A	COUNTY	VOLUSIA	FINANCIAL PROJECT ID
			442874-152-01

ENGINEER OF RECORD		CECILIA VILLORIA, P.E.	
		KEITH AND ASSOCIATES, INC.	
		301 E ATLANTIC BLVD.	
		POMPANO BEACH, FL 33060	

SCALE
 1" = 40' Horizontal
 1" = 4' Vertical



- C7 STA. = 174+89.56 (RT)
 A = 164+89.20 (RT)
 D = 02° 30.00"
 T = 338.94
 L = 673.00
 R = 2,291.88
 PC STA. = 171+59.65
 PT STA. = 178+32.65
 e = -0.02 (NC)

- LIMITS OF CONST.
 STA. 166+28.99
 STA. 41.88' LT.
 END TYPE F C&G
 STA. 466.80
 STA. 39.23' LT.
 CR E. #66.51
 PI #64.98
 STA. 38.00' LT.
 PI #42.95
 STA. 35.00' LT.
 PI #39.98
 STA. 35.00' LT.
 PI #22.95
 STA. 38.00' LT.
 PI #49.98
 STA. 35.00' LT.
 PI #39.98
 STA. 35.00' LT.

LEGEND: DITCH-80
 4" CONCRETE
 3" CONCRETE DITCH PAVEMENT
 6" CONCRETE
 BUS PAD (CONC. 6")
 DETECTABLE WARNING
 MILLING & RESURFACING
 SHARED USE PATH
 SOD
 WIDENING

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
17.34	167			
16.43	168			
15.71	169			
14.96	170			
14.56	171			
14.09	172			
13.97	8			

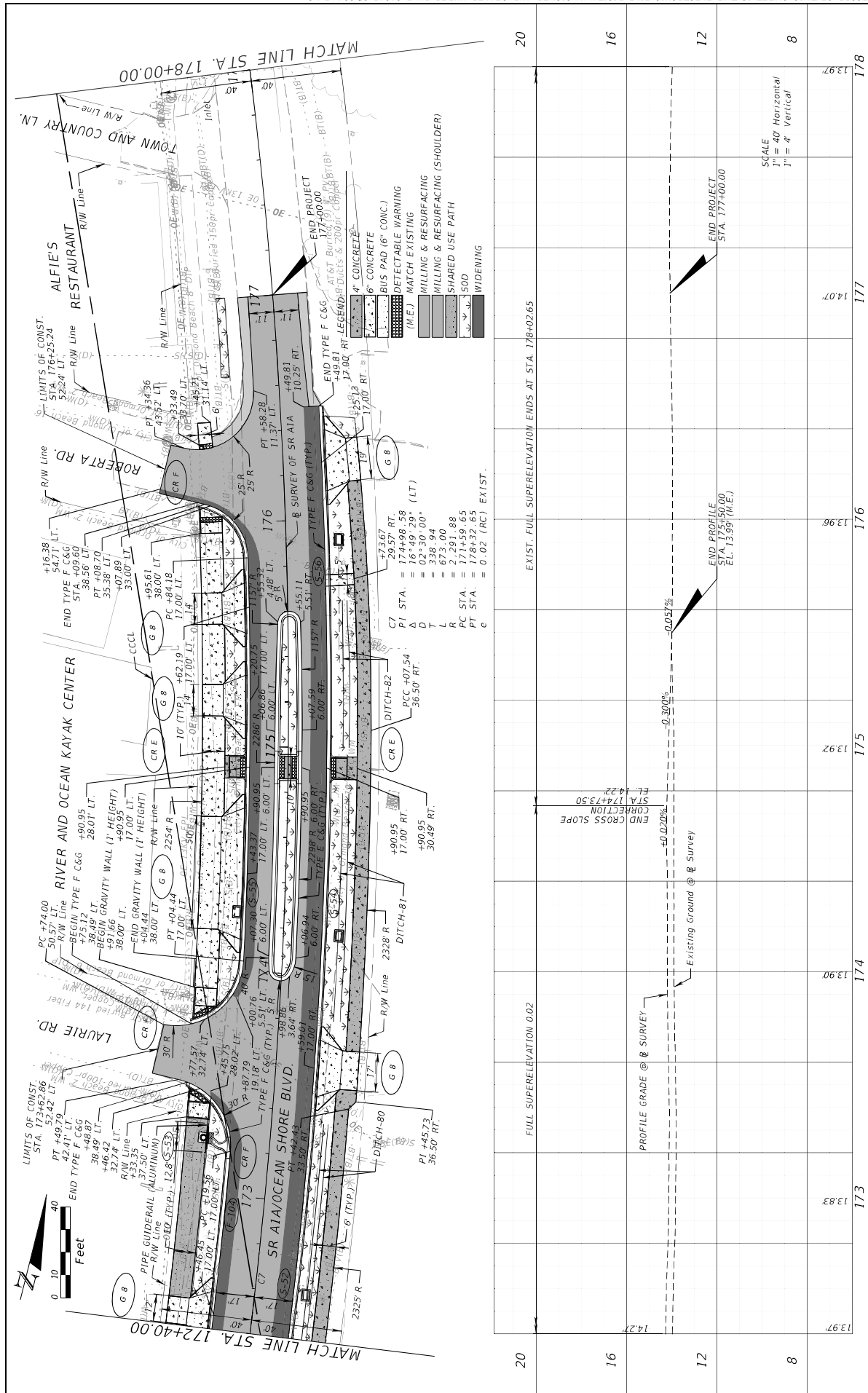
SCALE
 1" = 40' Horizontal
 1" = 4' Vertical

ORMOND BY THE SEA CONDOMINIUMS
 AQUARIUS OCEANFRONT CONDOMINIUMS

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
SR A1A	VOLUSTIA
ROAD NO.	COUNTY
FINANCIAL PROJECT ID	442874-152-01
ENGINEER OF RECORD	CECILIA VILORIA, P.E. KEITH AND ASSOCIATES, INC. 301 E ATLANTIC BLVD. POMPANO BEACH, FL 33060

ROADWAY PLAN-PROFILE
 SHEET NO. 51

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



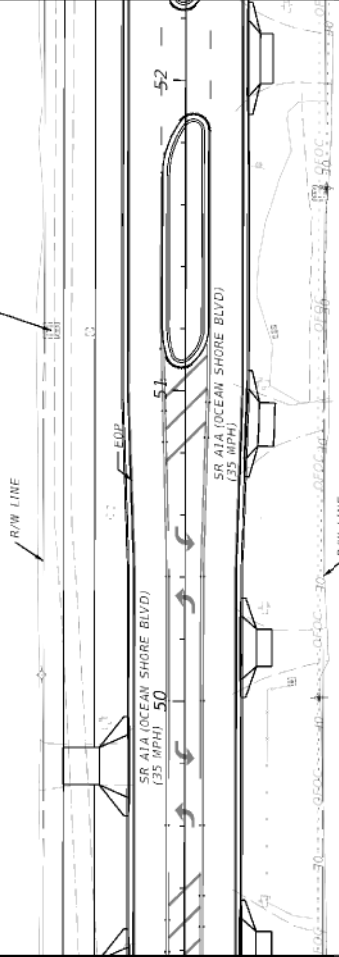
REVISIONS		DESCRIPTION		DATE	REVISIONS	DESCRIPTION		DATE

ENGINEER OF RECORD		STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
CECILIA VILORIA, P.E.		ROAD NO.		FINANCIAL PROJECT ID	
KEITH AND ASSOCIATES, INC.		SR A1A		442874-152-01	
301 E ATLANTIC BLVD.		COUNTY		VOLUSIA	
POMPAHO BEACH, FL 33060		SR A1A		442874-152-01	

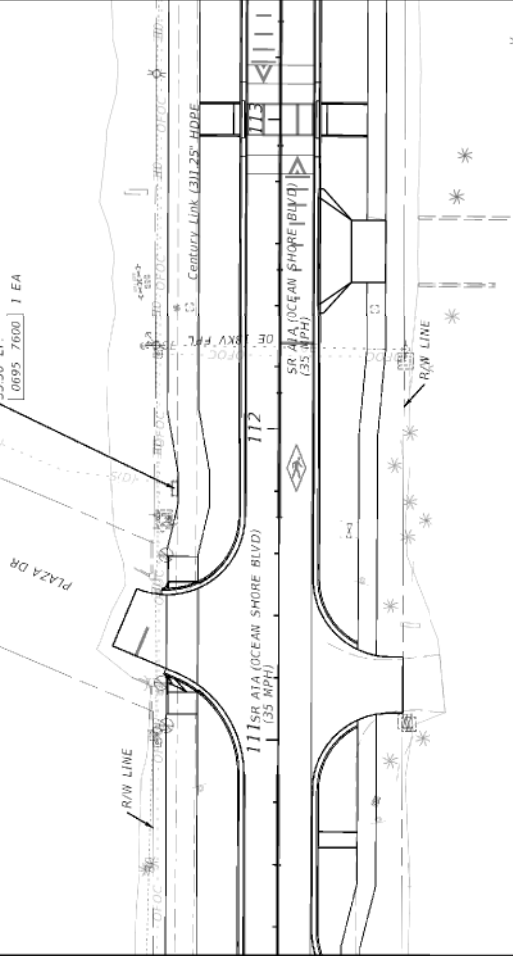
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 THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



EX. TMS CABINET
TO BE REMOVED
THIS SITE 790174
ROADWAY SECTION NUMBER: 790800
MP: 7.0413
STA. 51+19.25
43.01' LT.
[0695 7600] 1 EA

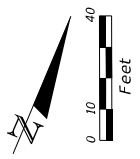


EX. TMS CABINET
TO BE REMOVED
THIS SITE 790174
ROADWAY SECTION NUMBER: 790800
MP: 8.554
STA. 111+80.69
33.56' LT.
[0695 7600] 1 EA

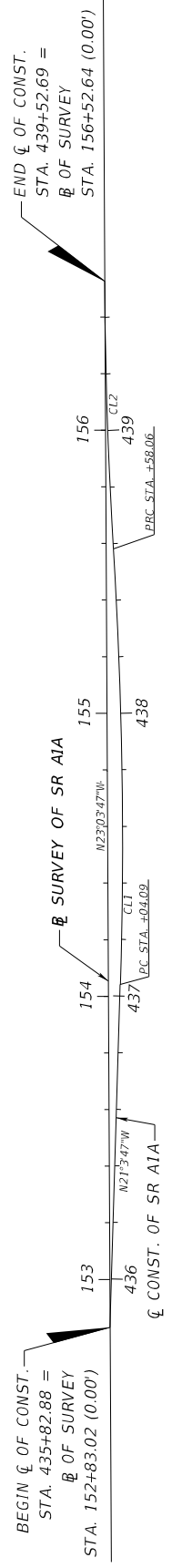


REVISIONS		ENGINEER OF RECORD		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	FINANCIAL PROJECT ID	
			ERNEZ DAVAN, P.E. PROJECT NUMBER: 62144 AVANT ENGINEERING GROUP, LLC 2699 LEE ROAD, SUITE 401 WINTER PARK, FL 32789	SR A1A	442874-1-52-01	53
				COUNTY	VOLUSIA	

TRAFFIC MONITORING SITES

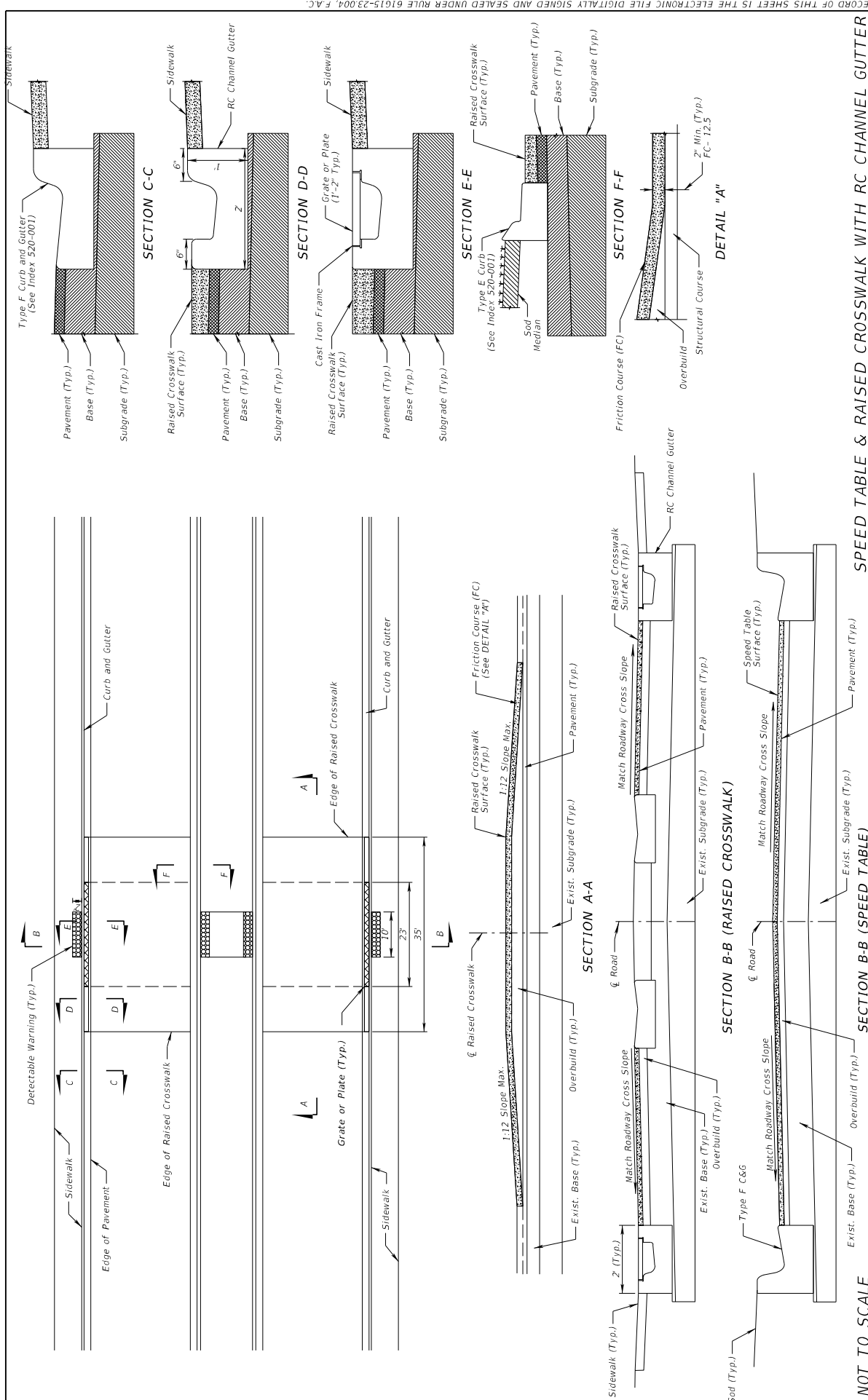


CL1
 PI STA. = 437+81.13
 Δ = 05°11'21" (LT)
 D = 03°22'13"
 L = 175.06
 T = 153.87
 R = 1700.00
 PC STA. = 437+04.09
 PT STA. = 438+58.06
 e = -0.02 (NC)



CL2
 PI STA. = 439+05.39
 Δ = 03°11'21" (RT)
 D = 03°22'13"
 L = 47.33
 T = 94.63
 R = 1700.00
 PC STA. = 438+58.06
 PT STA. = 439+52.69
 e = -0.02 (NC)

REVISIONS		ENGINEER OF RECORD		STATE OF FLORIDA		SHEET NO.
DATE	DESCRIPTION	NAME	ADDRESS	DEPARTMENT OF TRANSPORTATION	FINANCIAL PROJECT ID	
		CECILIA VILORIA, P.E.	301 E ATLANTIC BLVD.	SR A1A	442874-1-52-01	54
		KEITH AND ASSOCIATES, INC.	POMPANO BEACH, FL 33060	COUNTY	VOLUSIA	
SPECIAL DETAIL						



REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD CECILIA VILORIA, P.E. CIVIL ENGINEER KEITH AND ASSOCIATES, INC. 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060		DEPARTMENT OF TRANSPORTATION ROAD NO. SR A1A COUNTY VOLUSTA FINANCIAL PROJECT ID 442874-152-01	
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SPEED TABLE & RAISED CROSSWALK WITH RC CHANNEL GUTTER SPECIAL DETAILS		SHEET NO. 55
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3/7/2024 12:17:10 PM B016
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