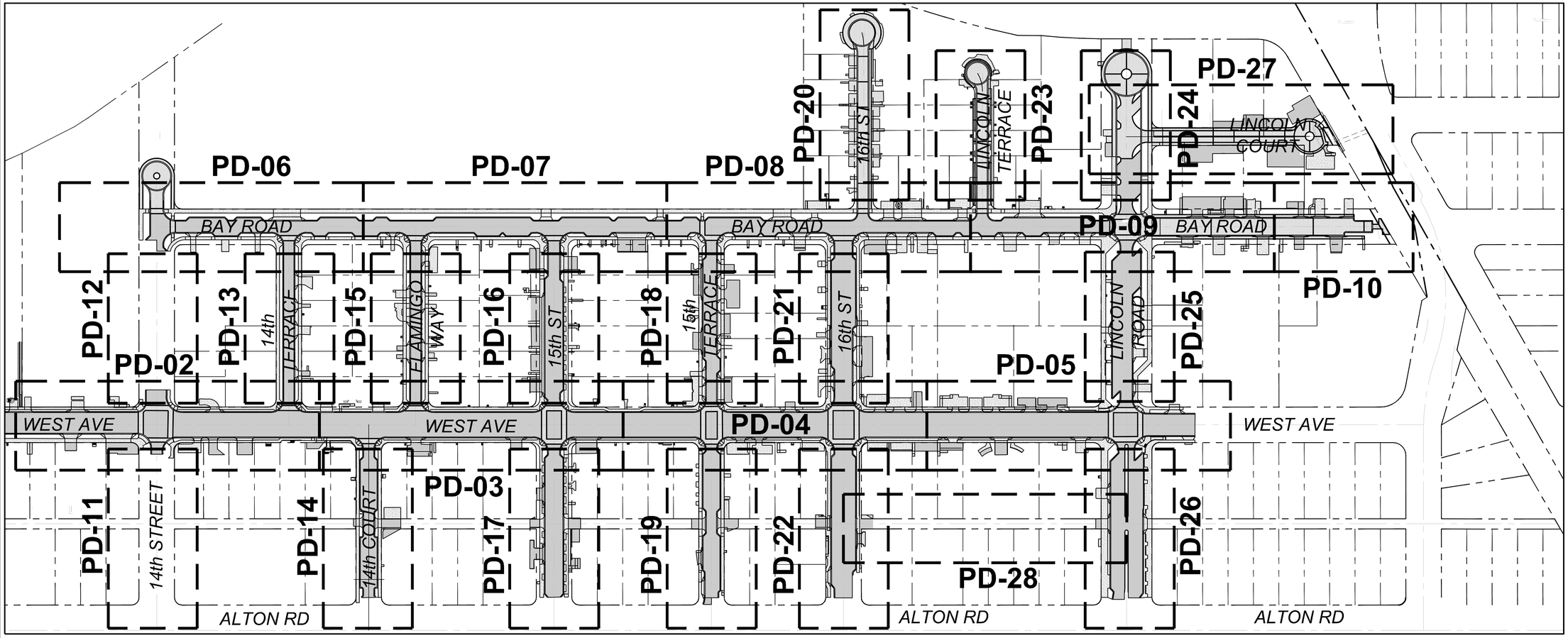

NOTES:

1) ALL HARDSCAPE ENCROACHMENTS IN CONFLICT WITH THE PROPOSED ROADWAY AND INFRASTRUCTURE IMPROVEMENTS SHALL BE REMOVED BY CITY OR ADJACENT PROPERTY OWNER'S FORCES.

DENOTES AREAS OF PROPOSED ASPHALT PAVEMENT CONSTRUCTION, REFER TO PROPOSED CROSS SECTIONS

DENOTES AREAS OF PROPOSED CONCRETE PAVEMENT CONSTRUCTION, REFER TO APPLICABLE DETAILS

DENOTES AREAS OF PROPOSED INTERLOCKIING PAVER CONSTRUCTION, REFER TO RS-27

DENOTES AREAS OF PROPOSED MILLING AND RESURFACING ASPHALT, MIN. 1" THICKNESS

DENOTES AREAS OF PROPOSED STAMPED ASPHALT, MIN. 2" THICKNESS. REFER TO LANDSCAPE ARCHITECT PLANS FOR PATTERN AND COLORS

LUIS FERNANDO LEON, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 58670.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY LUIS FERNANDO LEON ON THE DATE INDICATED HERE, 11/04/2021.

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

Luis F Leon

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY PLAN AND PROFILE KEY SHEET

SSA SCHWEBKE SHISKIN & ASSOCIATES

FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD:
LUIS F. LEON, P.E.
VICE PRESIDENT

NO.	DATE	REVISION	APP'D. BY
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File Name: PD West Avenue North.dwg
Survey Reference:
Field Book: ____ Page: ____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-01 OF PD-34 Drawing: **PD-01**

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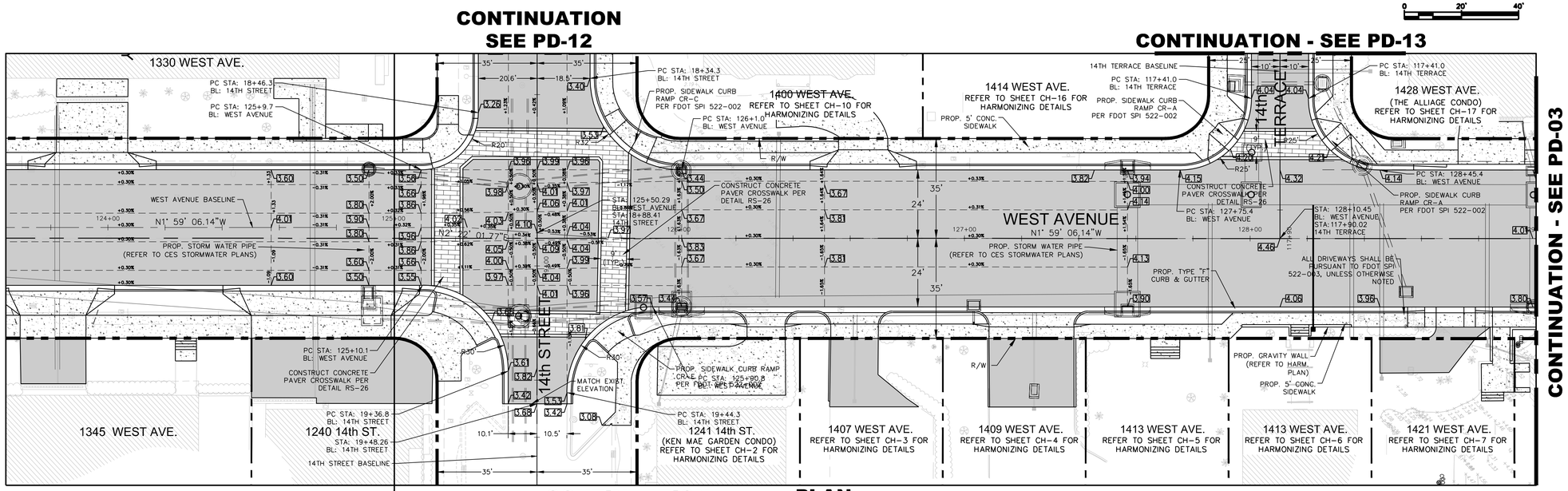
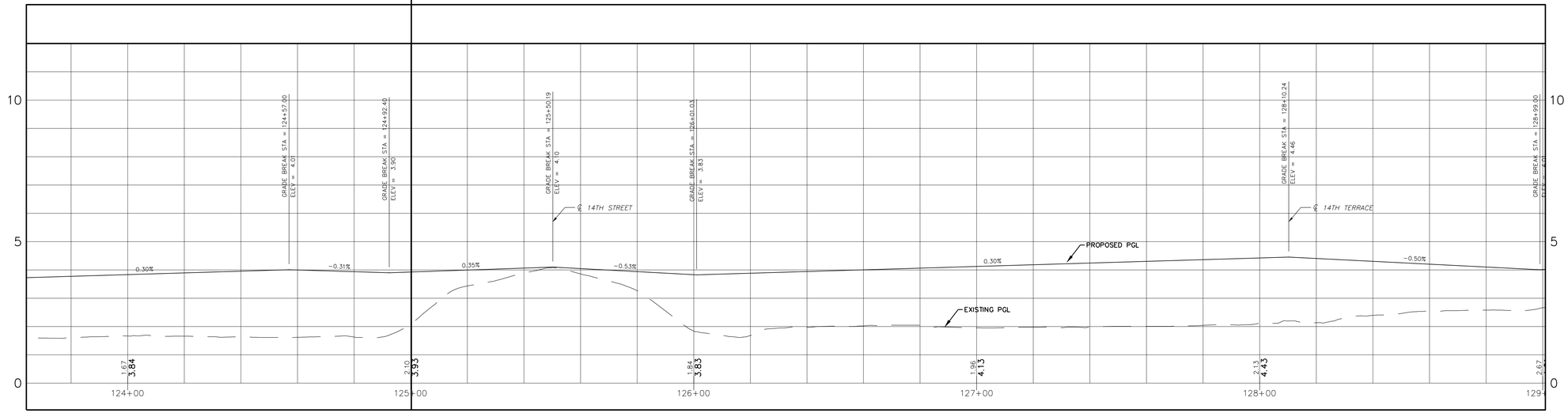


PLAN

SCALE: 1"=20'

REFER TO NORTH PROJECT PLANS
CITY OF MIAMI BEACH WORK ORDER NO. 2016-090-KB



PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY PLAN AND PROFILE

SSA SCHWEBKE SHISKIN & ASSOCIATES
FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

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LUIS F. LEON, P.E.
VICE PRESIDENT

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Date: 11/4/2021 Sheet: PD-02 OF PD-34 Drawing: **PD-02**

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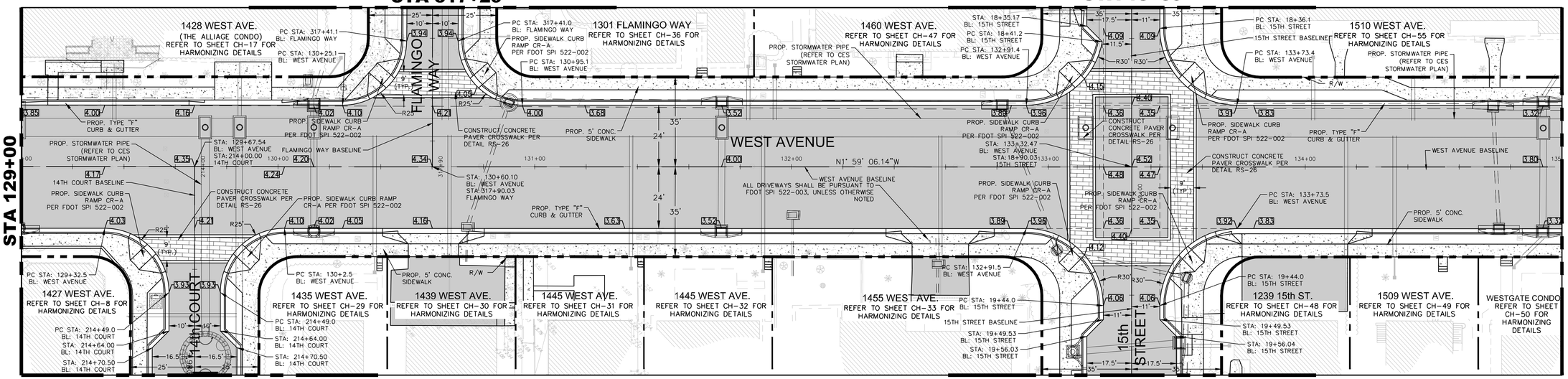
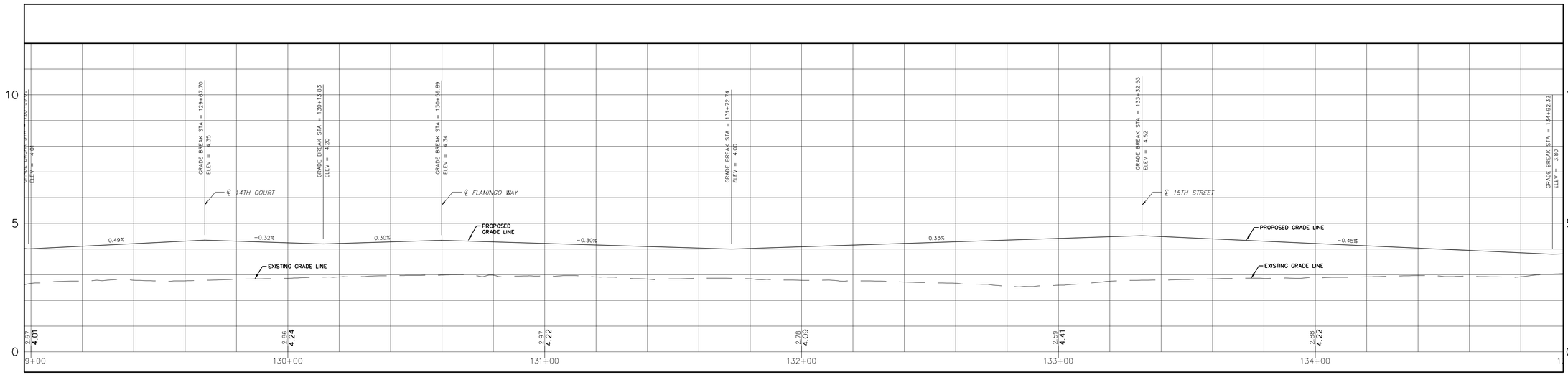


PLAN

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY PLAN AND PROFILE

SSA SCHWEBKE SHISKIN & ASSOCIATES

FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

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Date: 11/4/2021 Sheet: PD-03 OF PD-34 Drawing: **PD-03**

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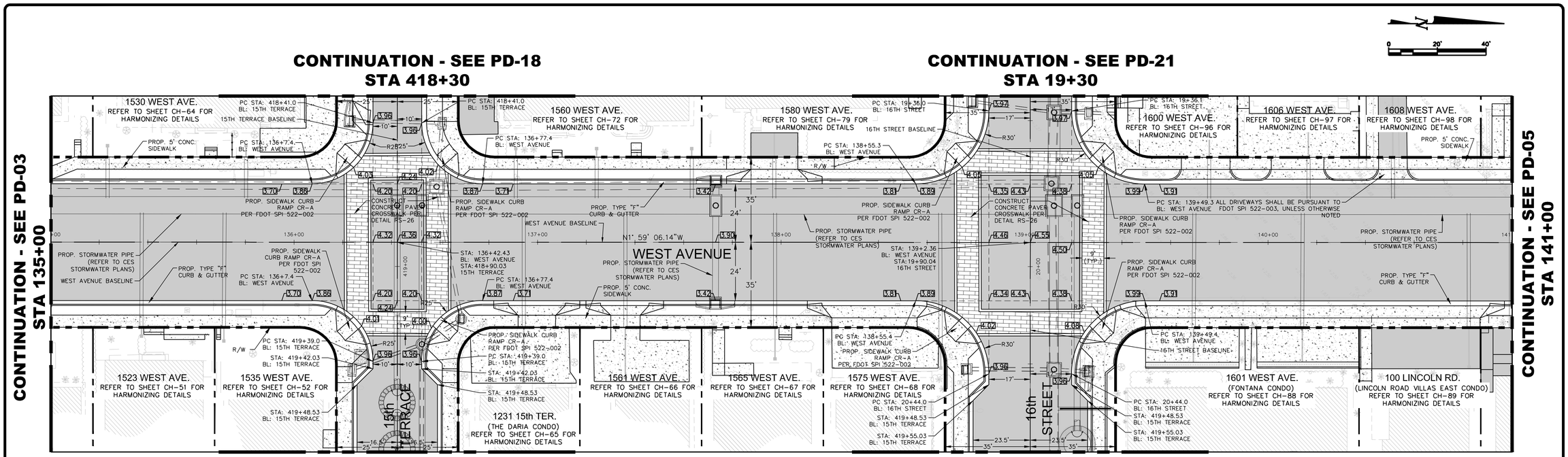

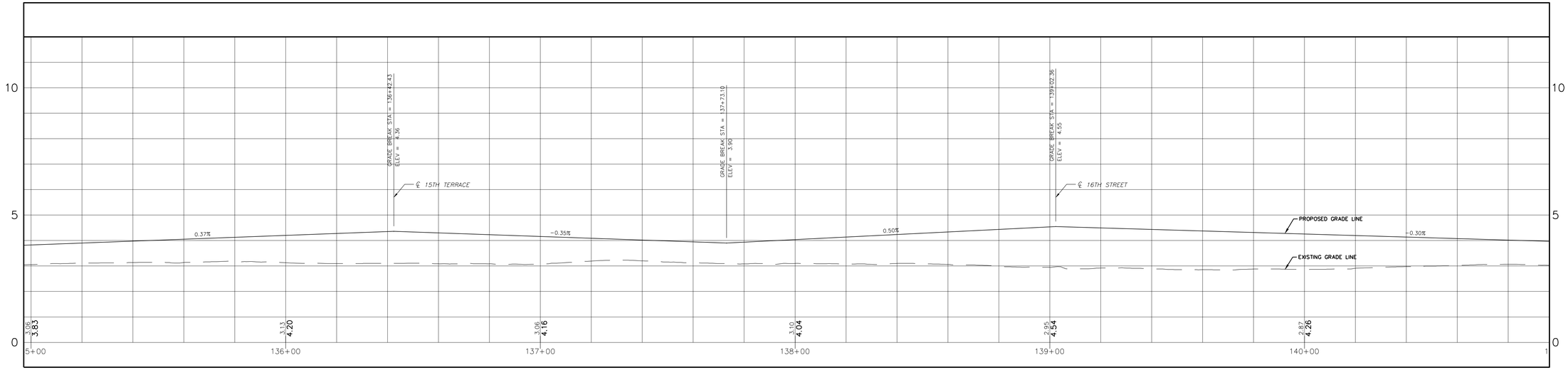

PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY PLAN AN PROFILE

SSA SCHWEBKE SHISKIN & ASSOCIATES

FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD:
LUIS F. LEON, P.E.
VICE PRESIDENT

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Date: 11/4/2021 Sheet: PD-04 OF PD-34 Drawing: **PD-04**

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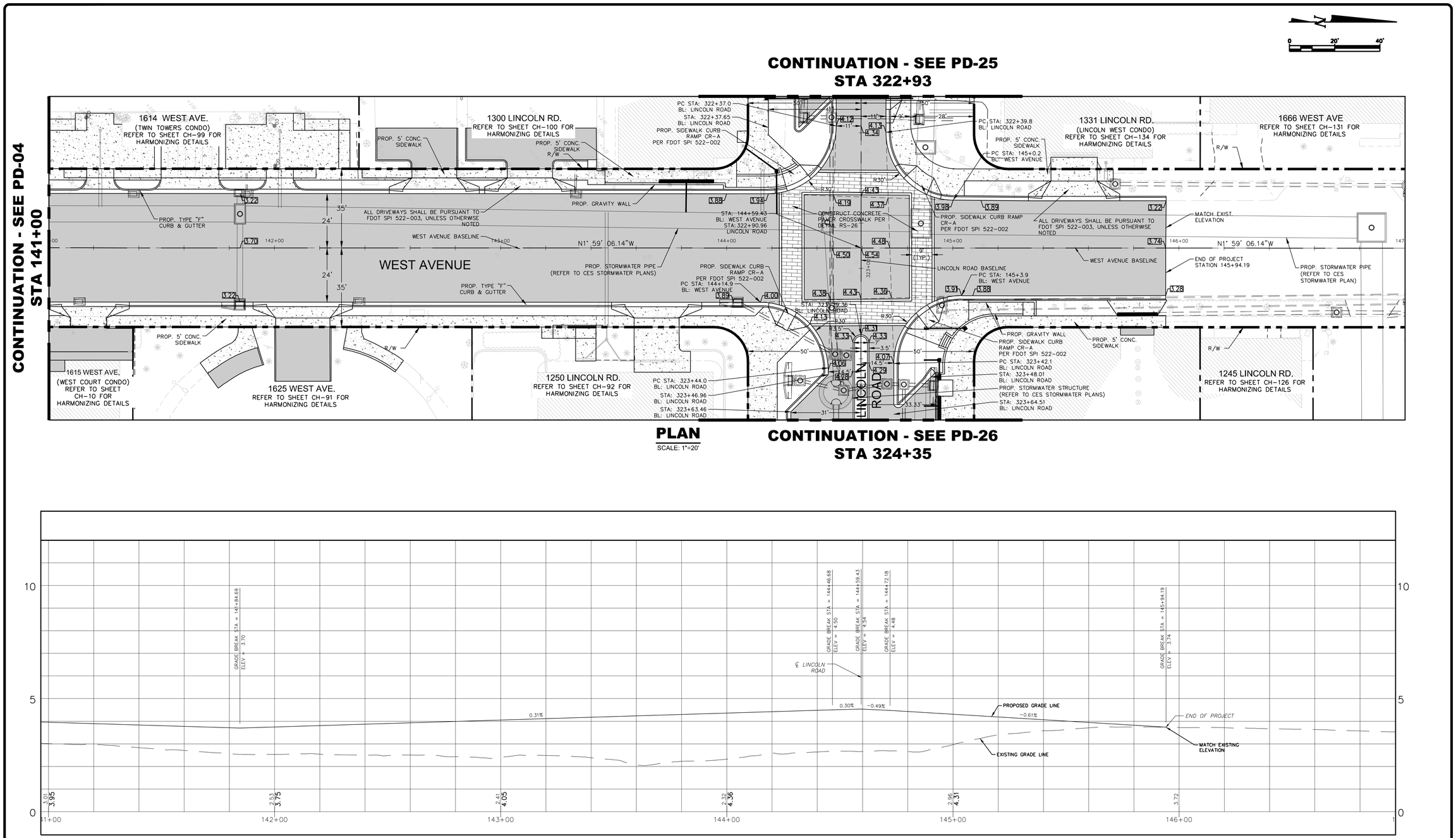

PLAN

SCALE: 1"=20'

PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY PLAN AND PROFILE

SSA SCHWEBKE SHISKIN & ASSOCIATES

FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
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CITY ENGINEER: NELSON PEREZ-JACOME

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DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

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VICE PRESIDENT

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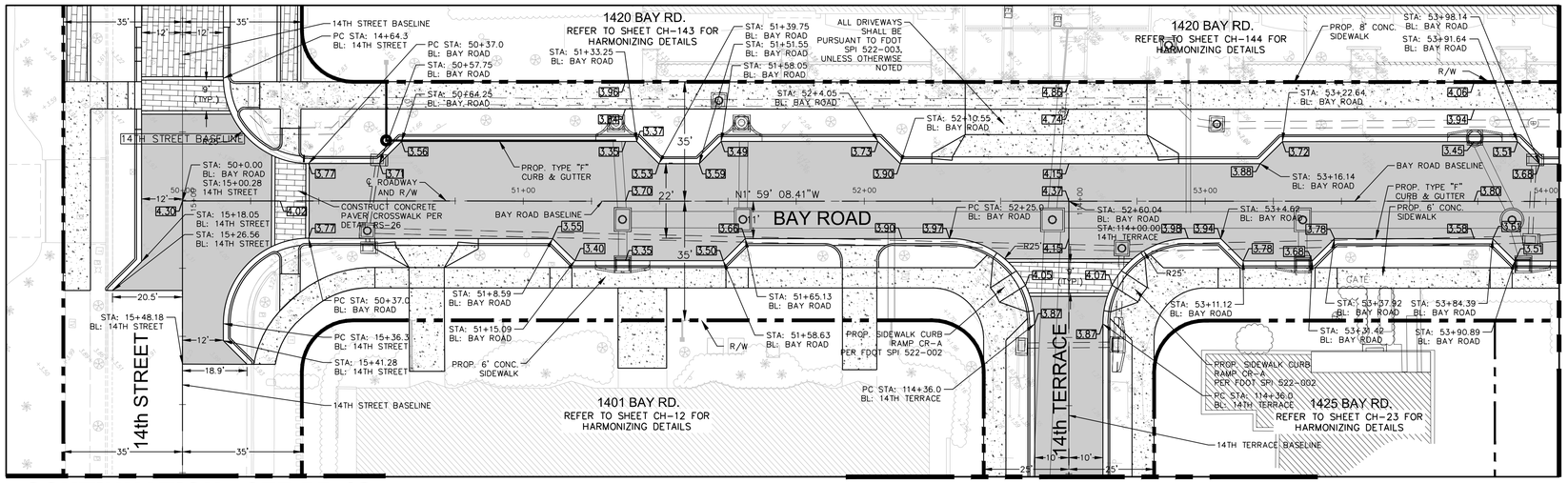


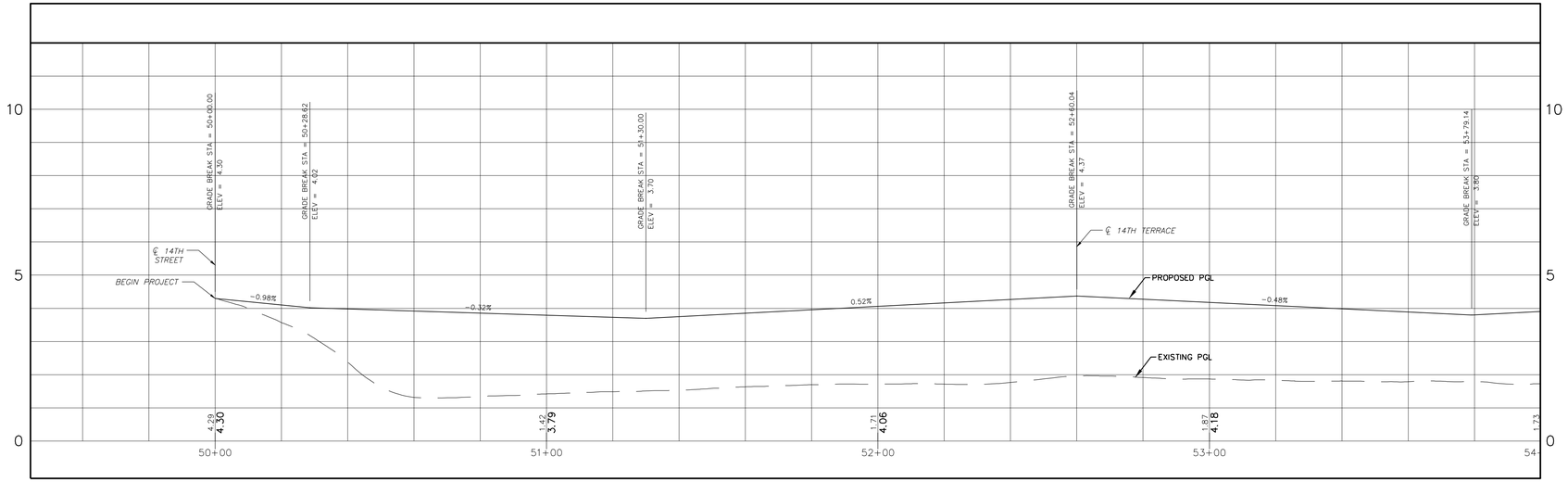
CONTINUATION - SEE PD-12

PLAN

SCALE: 1"=20'

CONTINUATION - SEE PD-13
STA 114+80

CONTINUATION - SEE PD-07
STA 54+00



PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

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Date: 11/4/2021 Sheet: PD-06 OF PD-34 Drawing: **PD-06**

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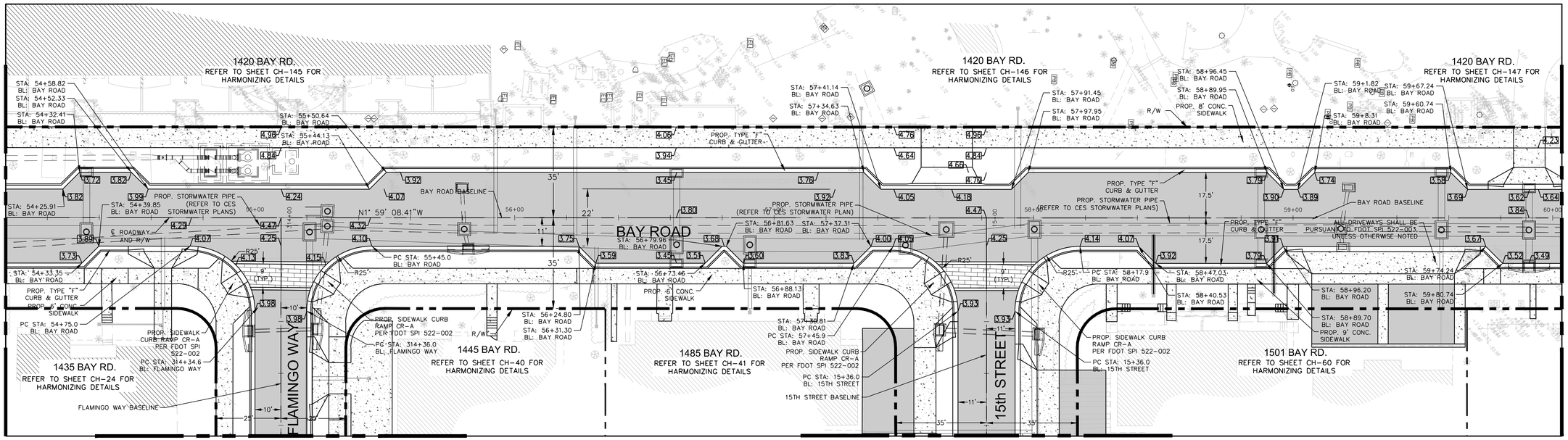
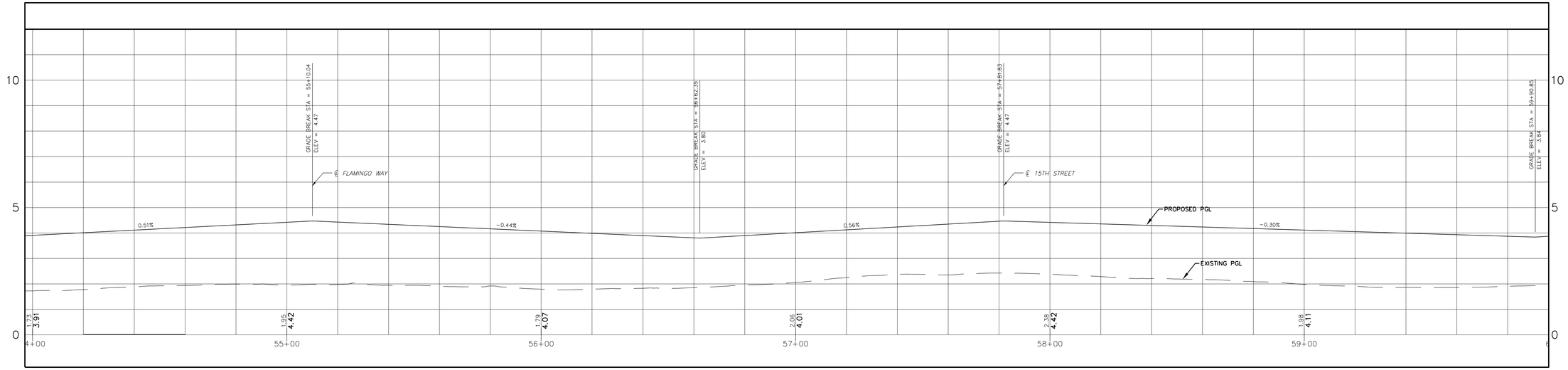


CONTINUATION - SEE PD-15
STA 55+94

PLAN
SCALE: 1"=20'

CONTINUATION - SEE PD-16
STA 58+64



PROFILE
SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

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SSA SCHWEBKE SHISKIN & ASSOCIATES
FILE NO.: AJ-5717

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DRAWN BY: N.R.C.
CHECKER: H.J.N.
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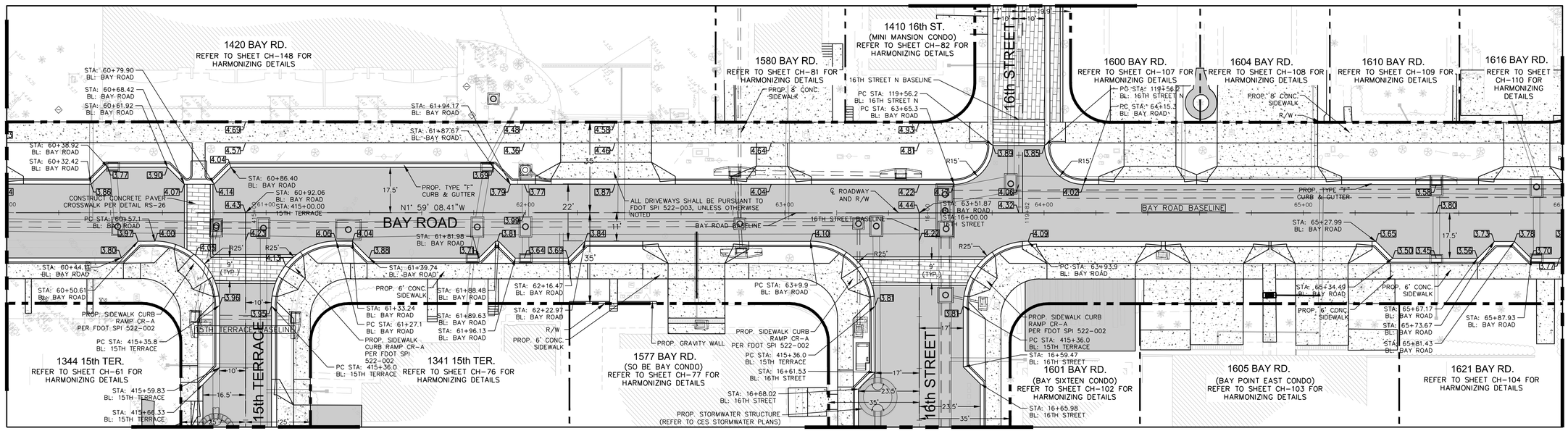
CONTINUATION - SEE PD-20
STA 119+04

CONTINUATION - SEE PD-07
STA 60+00

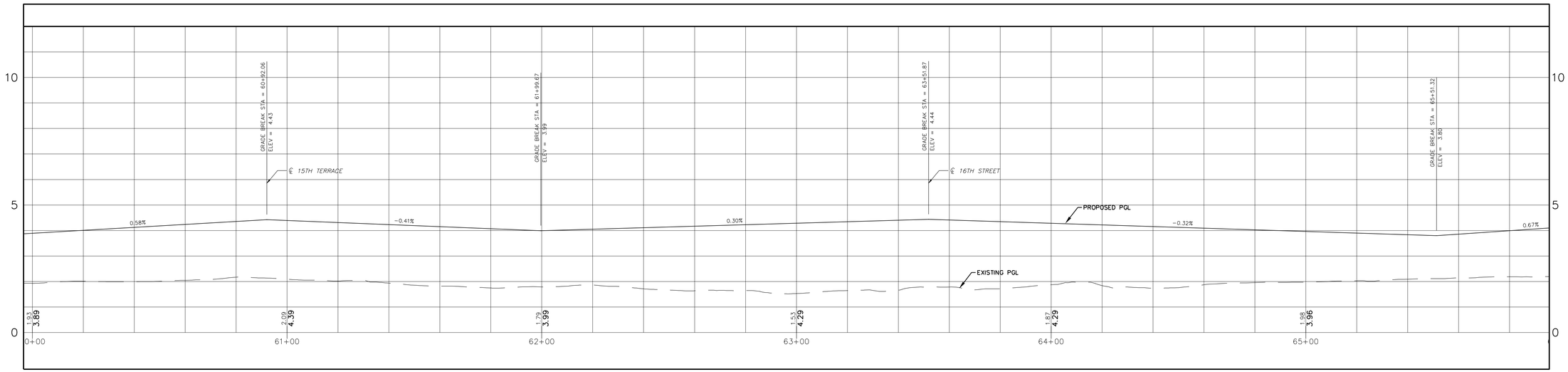


CONTINUATION - SEE PD-09
STA 66+00

CONTINUATION - SEE PD-18
STA 415+82

PLAN
SCALE: 1"=20'

CONTINUATION - SEE PD-21
STA 20+66



PROFILE
SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY PLAN AND PROFILE

SSA SCHWEBKE SHISKIN & ASSOCIATES
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CITY MANAGER: ALINA T. HUDAK
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CHECKER: H.J.N.
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Date: 11/4/2021 Sheet: PD-08 OF PD-34 Drawing: **PD-08**

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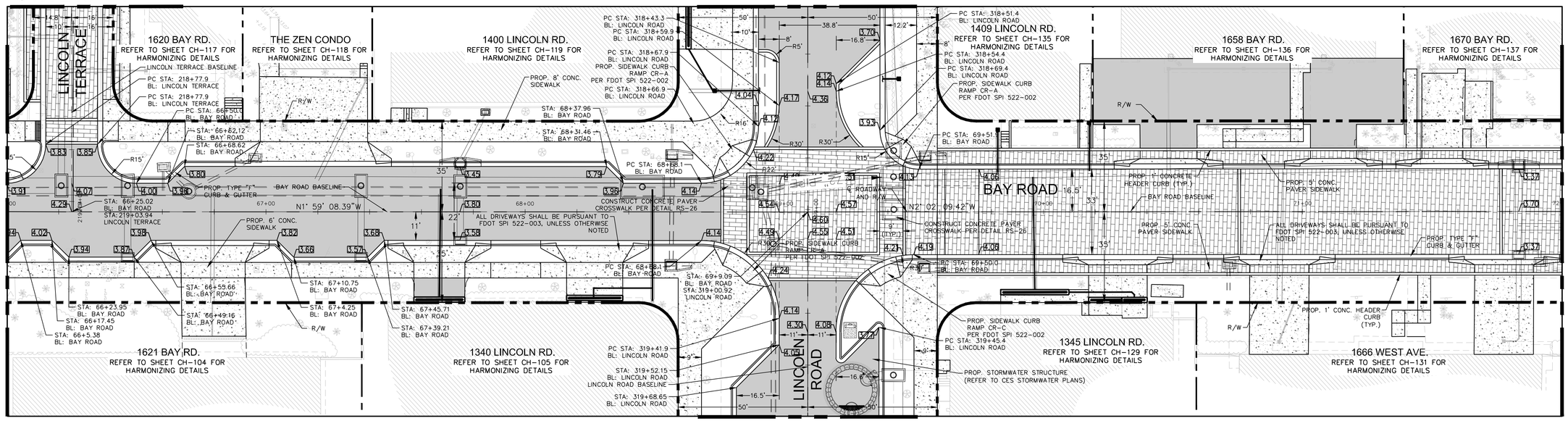
CONTINUATION - SEE PD-23
STA 218+34

CONTINUATION - SEE PD-24
STA 318+93

*NOTE:
ALL PAVERS WITHIN THE INTERSECTIONS OF LINCOLN ROAD WITH BAY ROAD AND LINCOLN COURT ARE PART OF A PENDING CHANGE ORDER.

CONTINUATION - SEE PD-08
STA 66+00

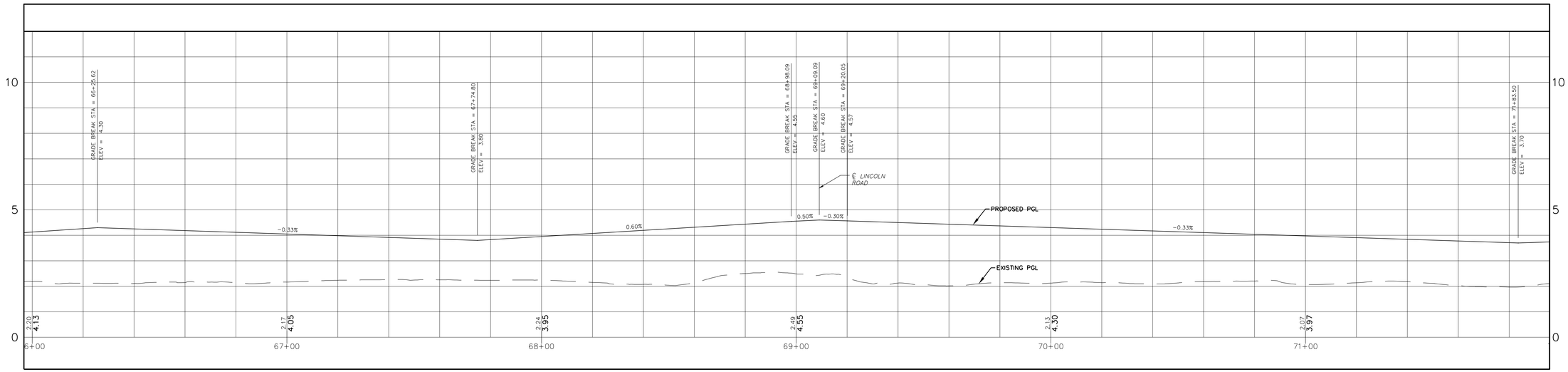


CONTINUATION - SEE PD-10
STA 72+00

CONTINUATION - SEE PD-25
STA 320+49

PLAN

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

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Date: 11/4/2021 Sheet: PD-09 OF PD-34 Drawing: **PD-09**

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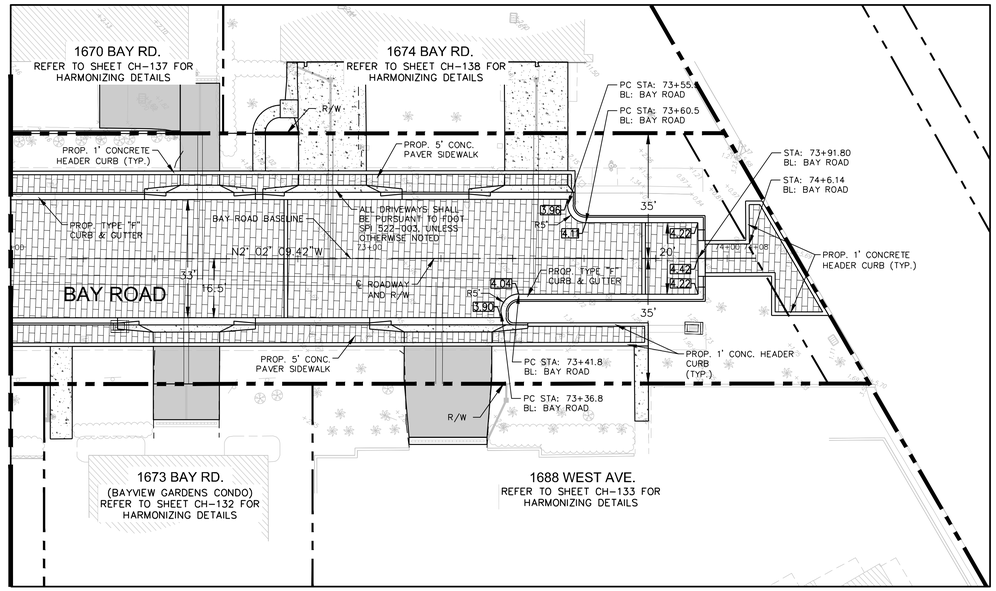
CONTINUATION - SEE PD-09
STA 72+00



PLAN
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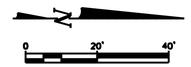

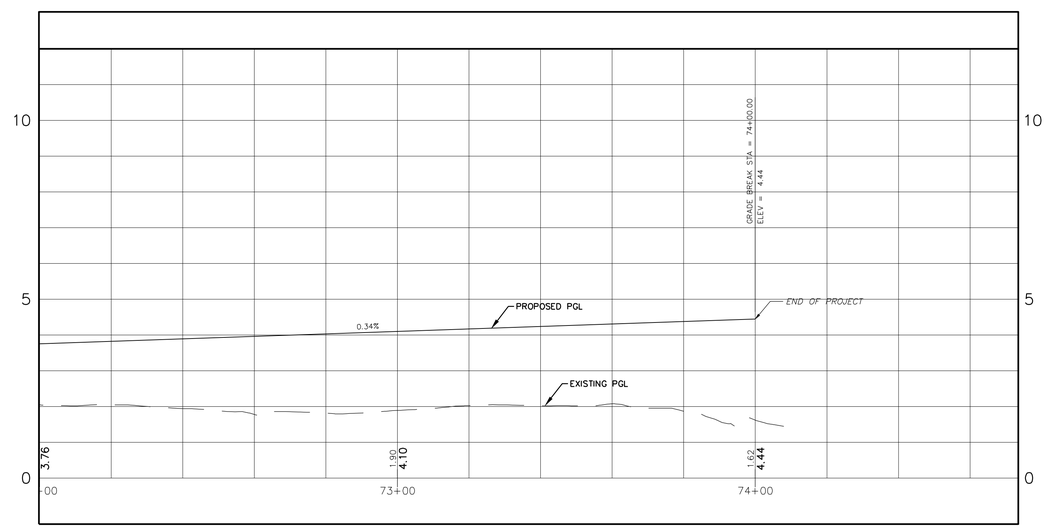

PROFILE
SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

NEIGHBORHOOD:
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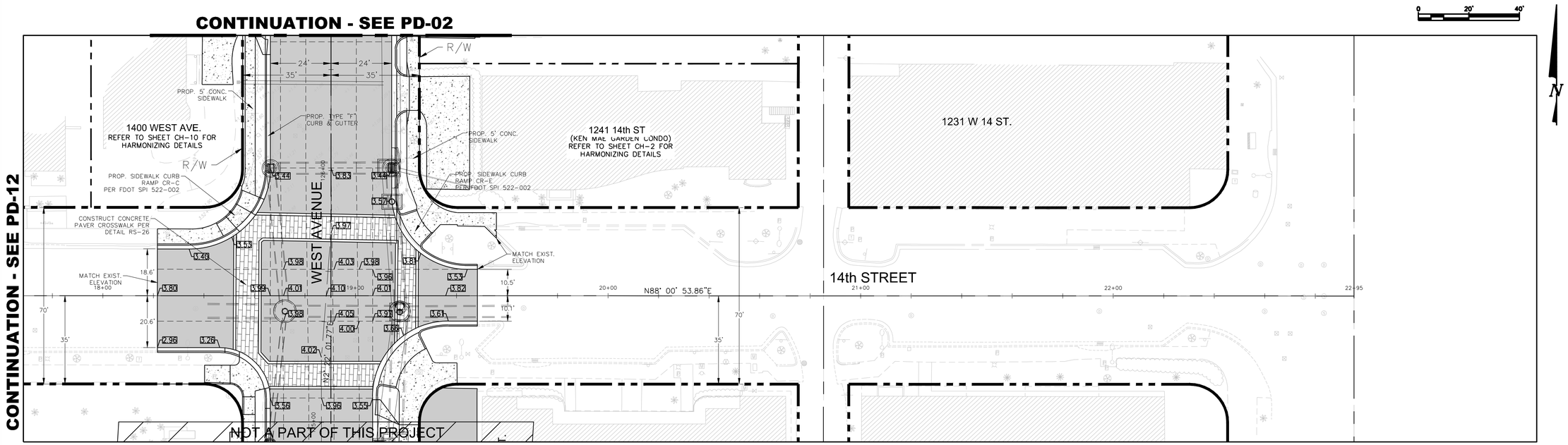
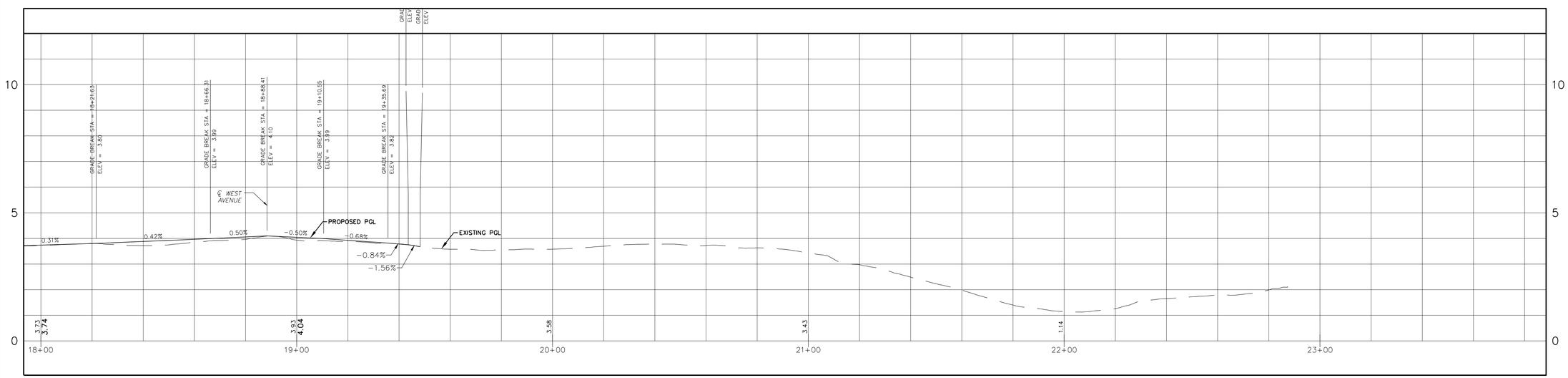


REFER TO WORK ORDER NO. 2016-090-KB

PLAN

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

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SSA SCHWEBKE SHISKIN & ASSOCIATES

FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD:
LUIS F. LEON, P.E.
VICE PRESIDENT

NO.	DATE	REVISION	APP'D. BY
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File Name: PD West Avenue North.dwg
Survey Reference:
Field Book: _____ Page: _____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-11 OF PD-34 Drawing: **PD-11**

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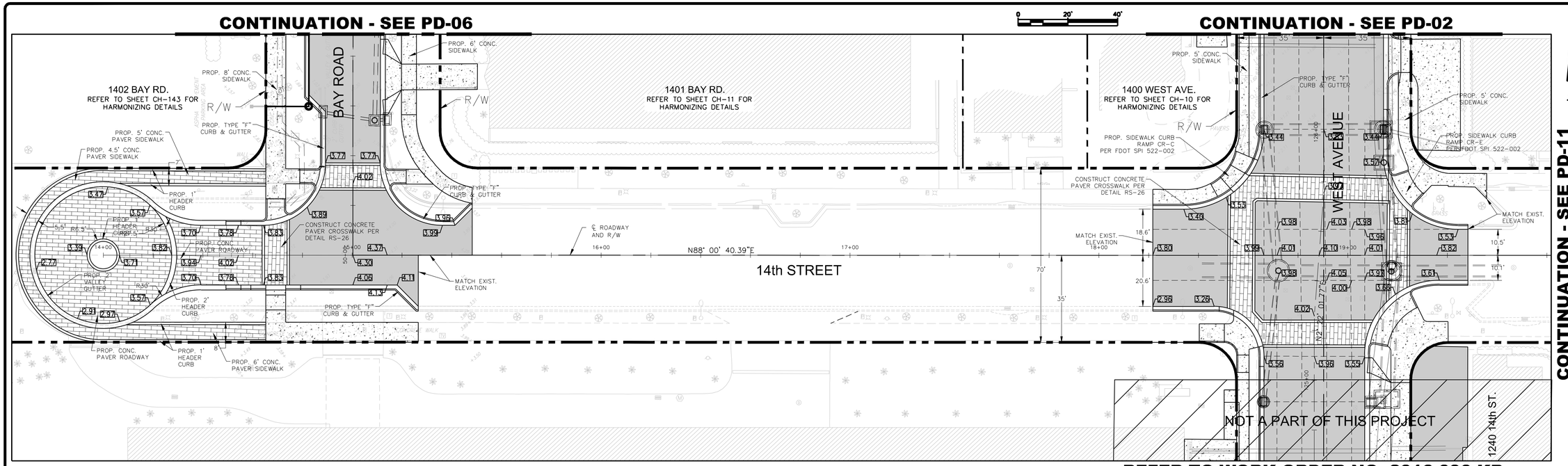
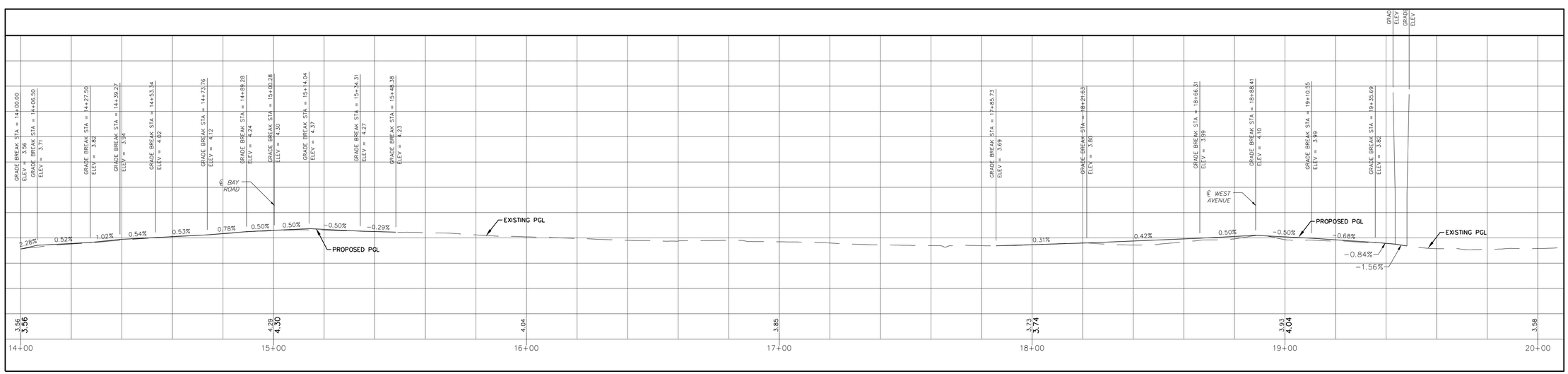


PLAN

SCALE: 1"=20'

REFER TO WORK ORDER NO. 2016-090-KB



PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:

WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:

ROADWAY PLAN AND PROFILE

SSA SCHWEBKE SHISKIN & ASSOCIATES

FILE NO.: AJ-5717

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CHECKER: H.J.N.

SCALE: AS SHOWN

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Date: 11/4/2021 Sheet: PD-12 OF PD-34 Drawing: **PD-12**

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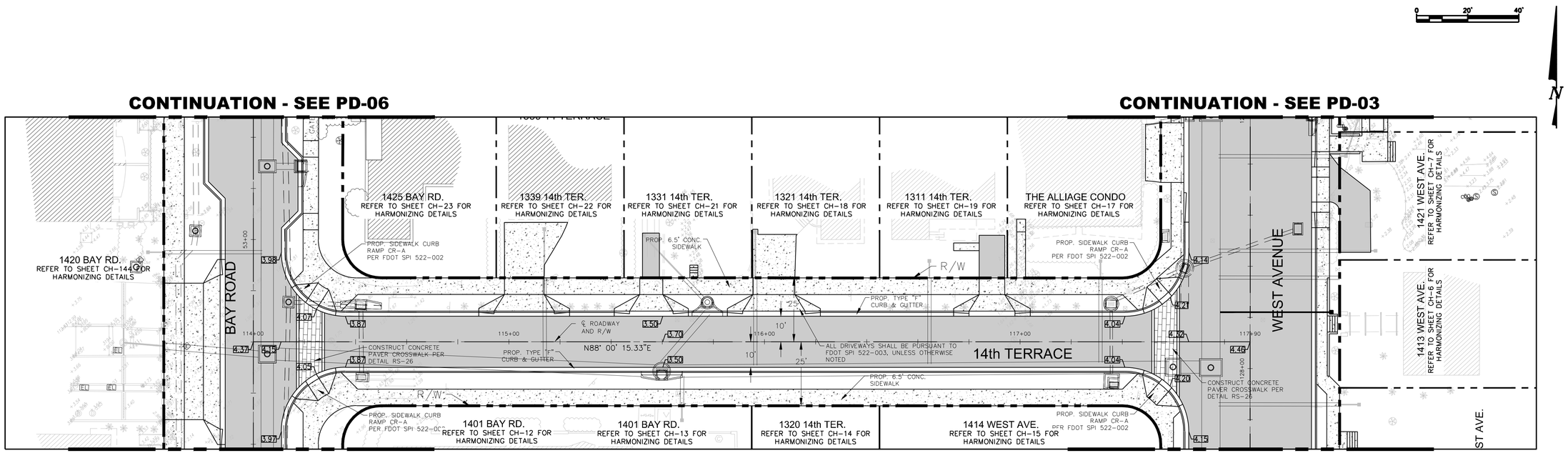

PLAN

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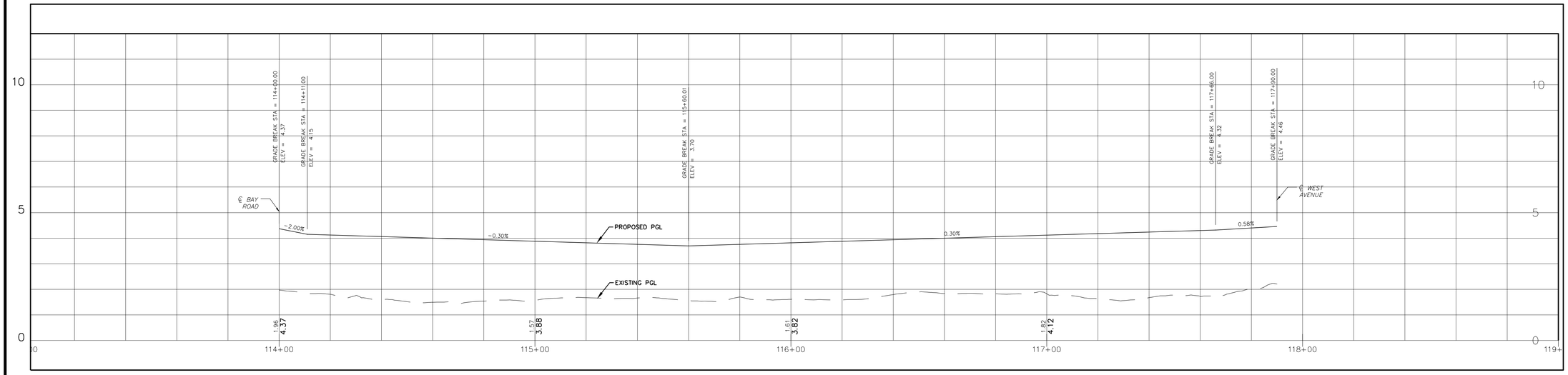

PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

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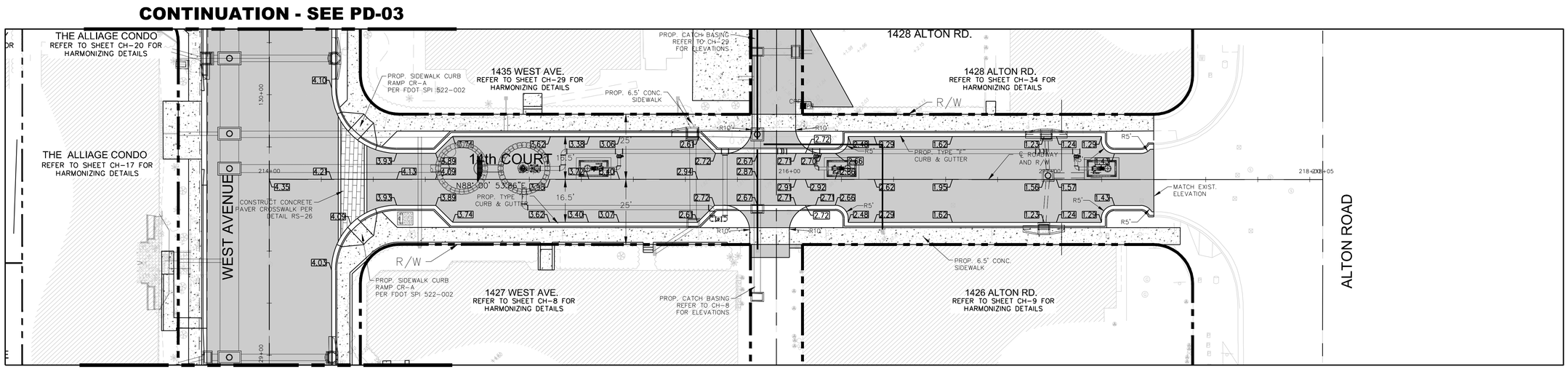

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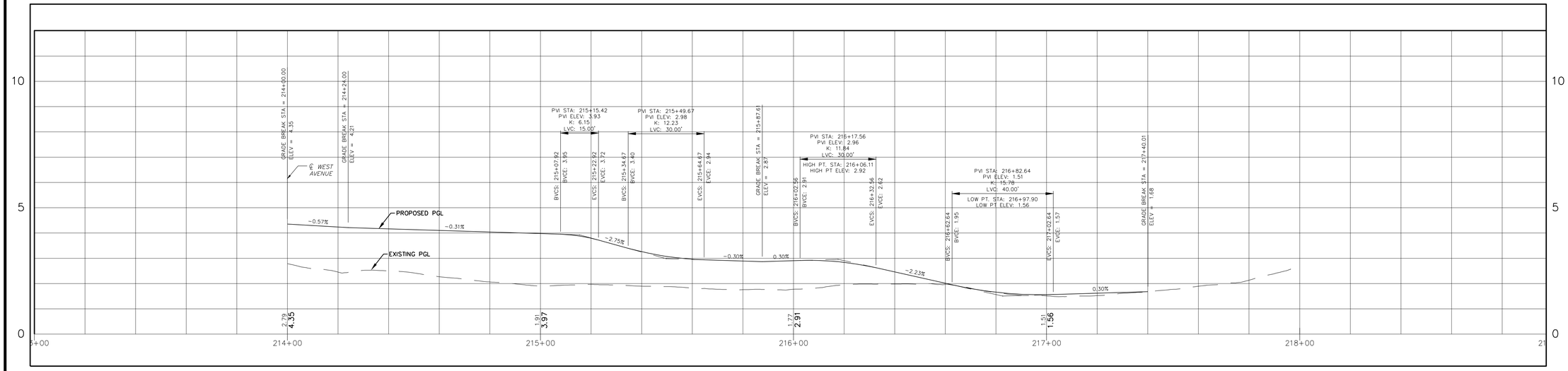

PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

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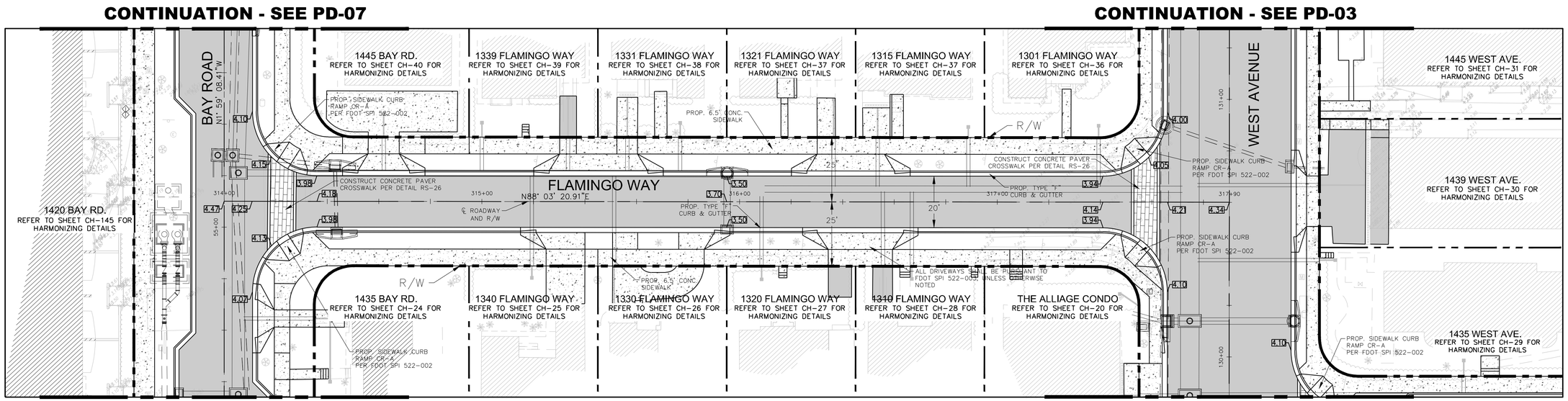

CONTINUATION - SEE PD-07 CONTINUATION - SEE PD-03

PLAN

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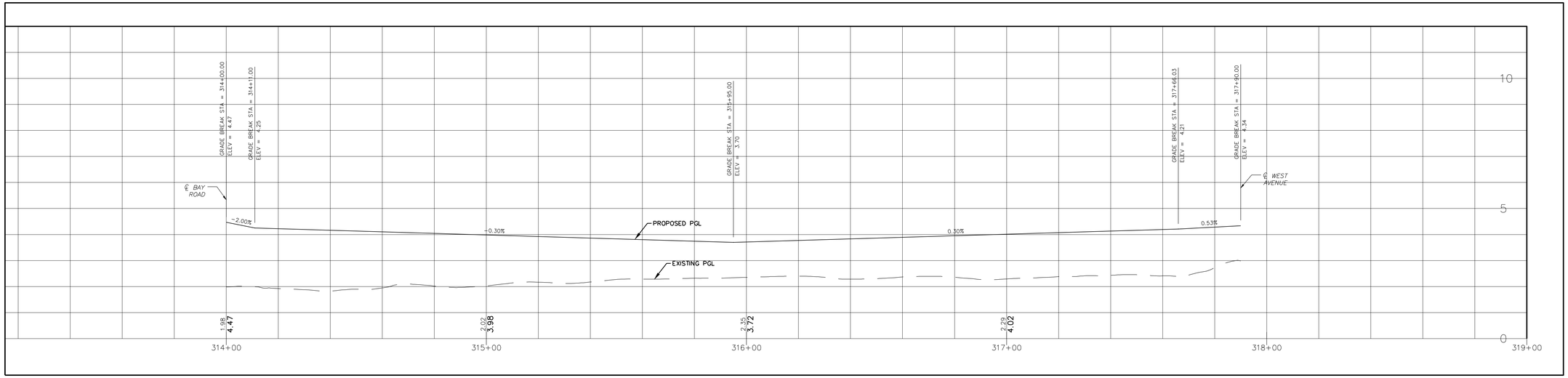

PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

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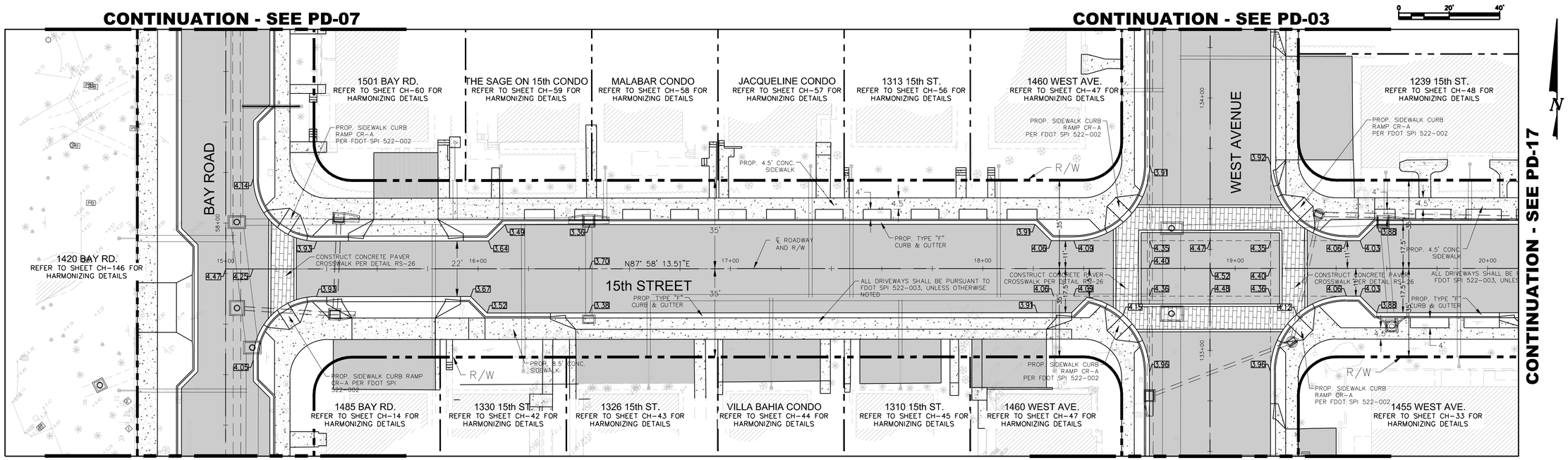

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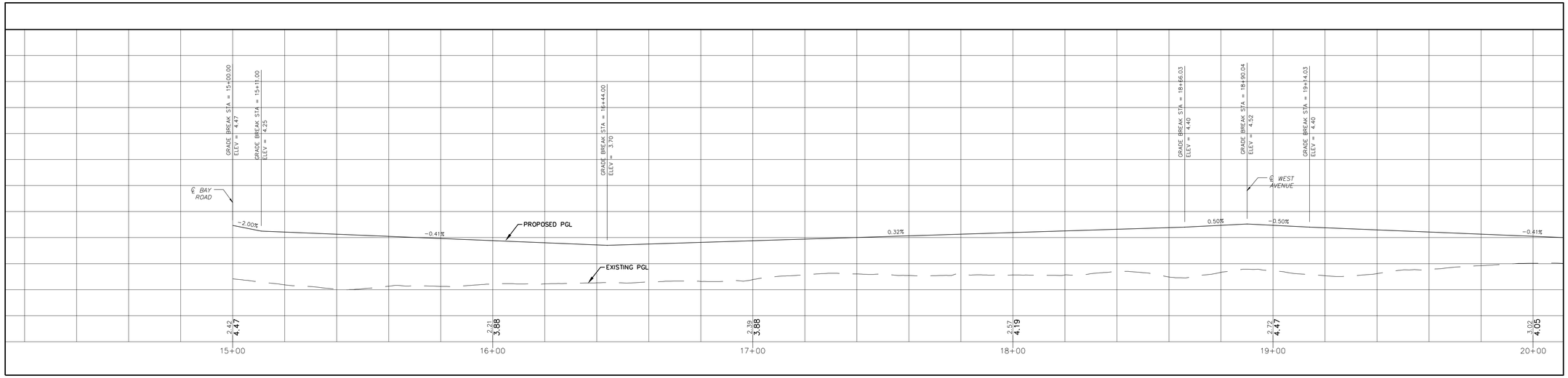

PROFILE

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100% SET

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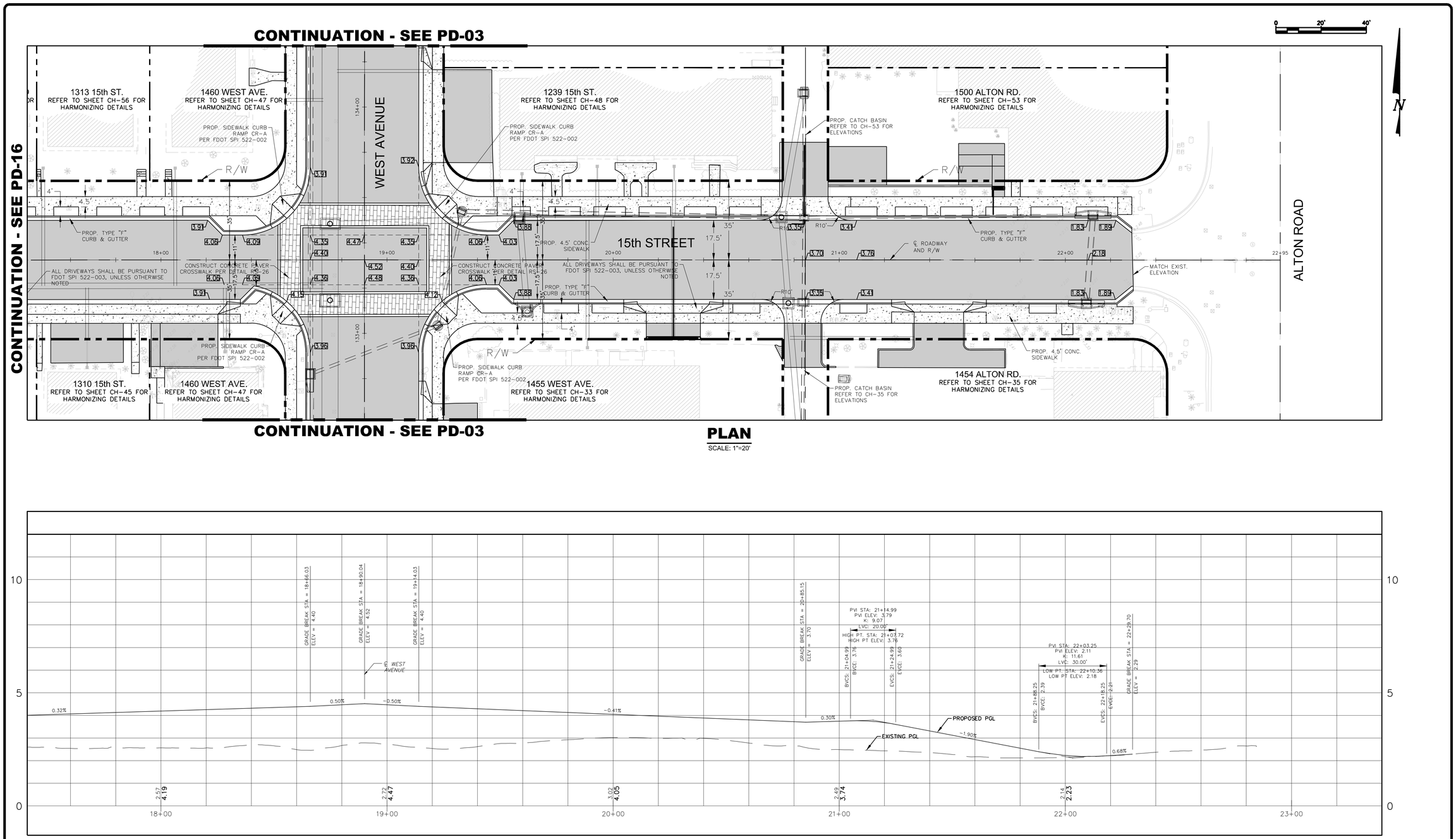

PLAN

SCALE: 1"=20'

PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

NEIGHBORHOOD:
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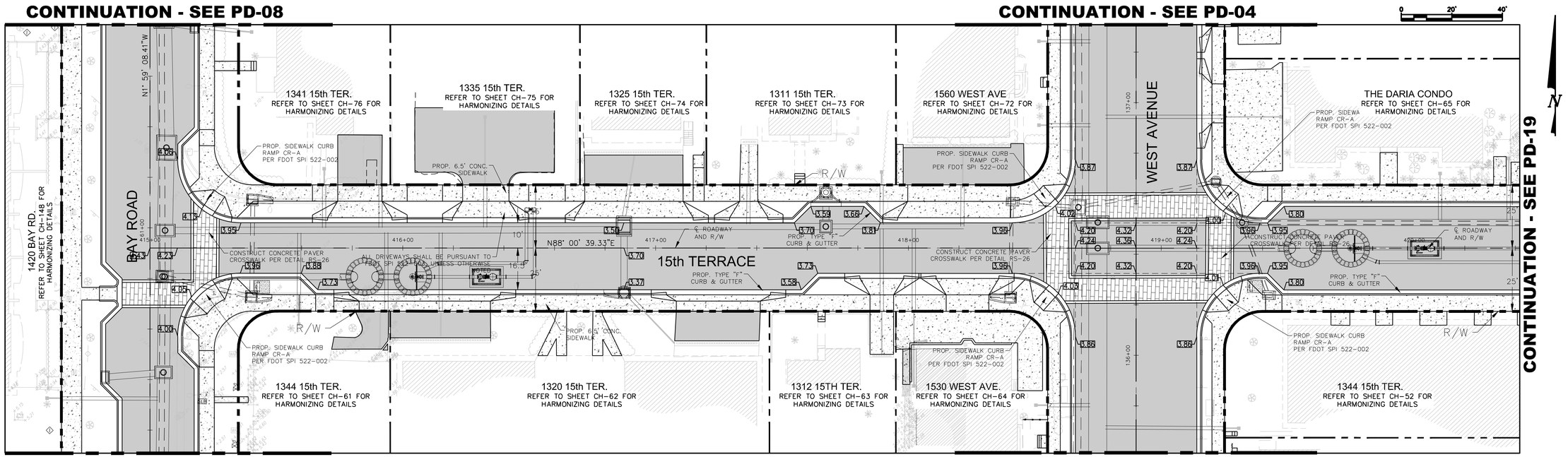

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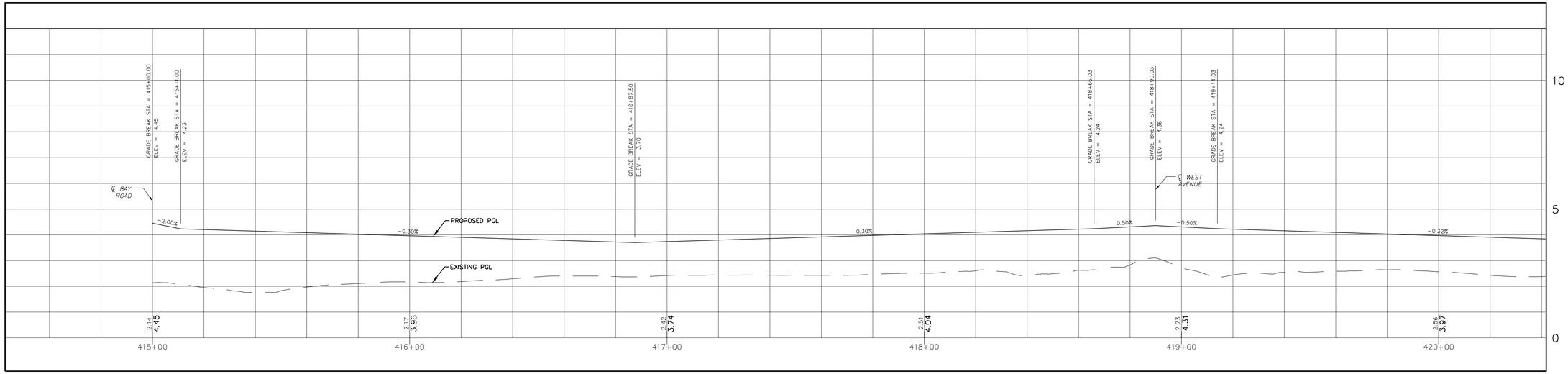

PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

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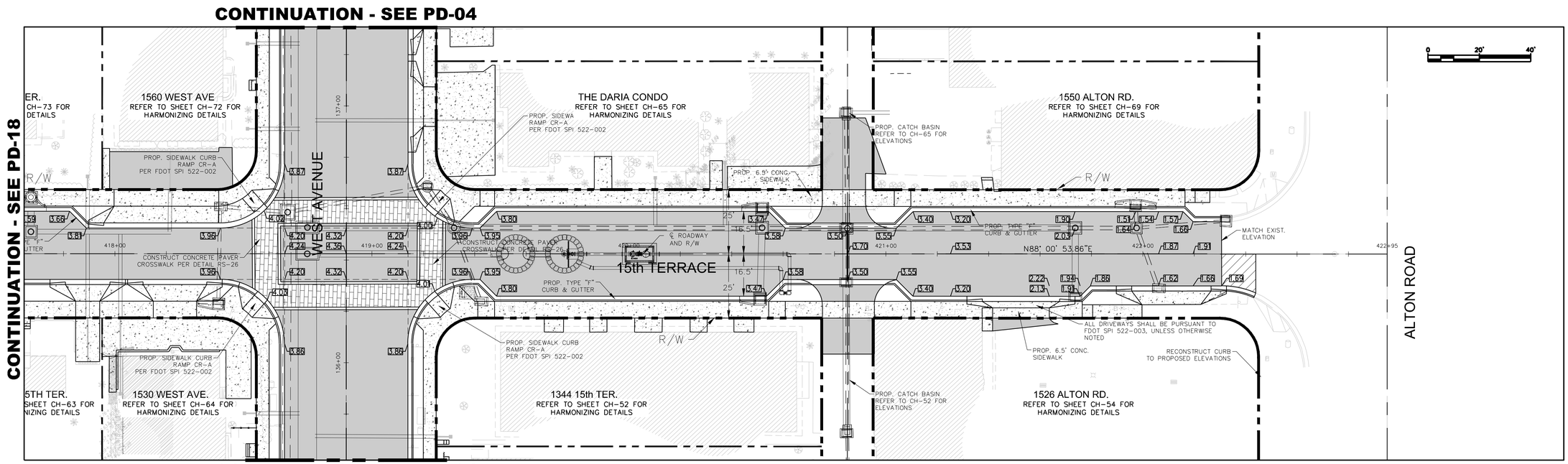

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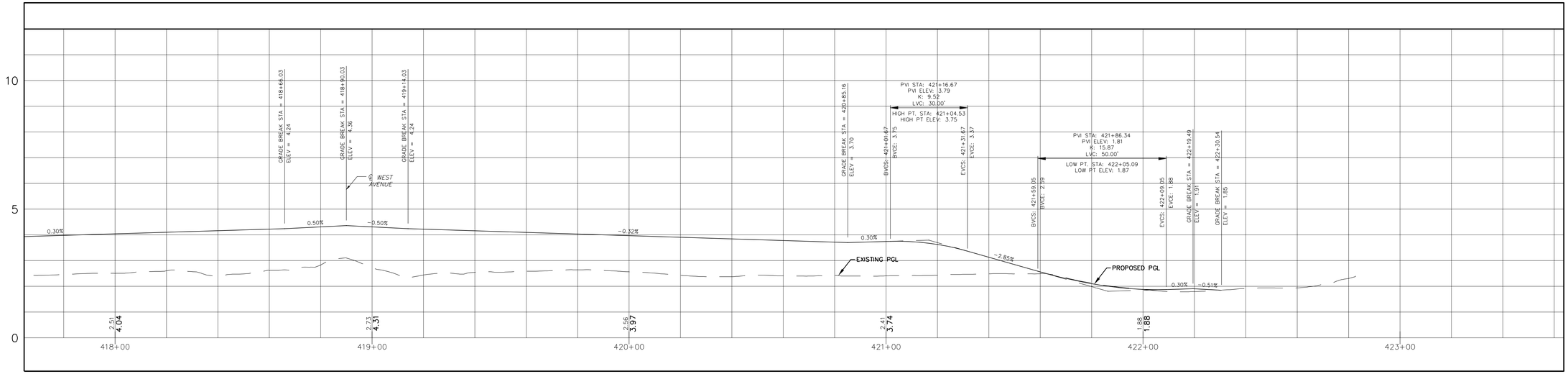

PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

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File Name: PD West Avenue North.dwg
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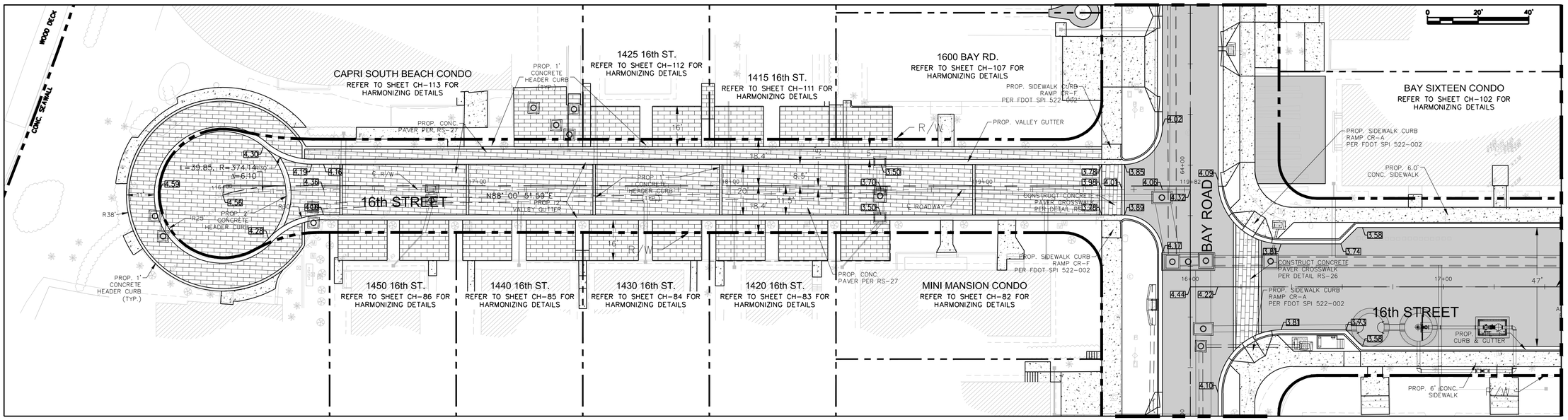

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CONTINUATION - SEE PD-08

PLAN

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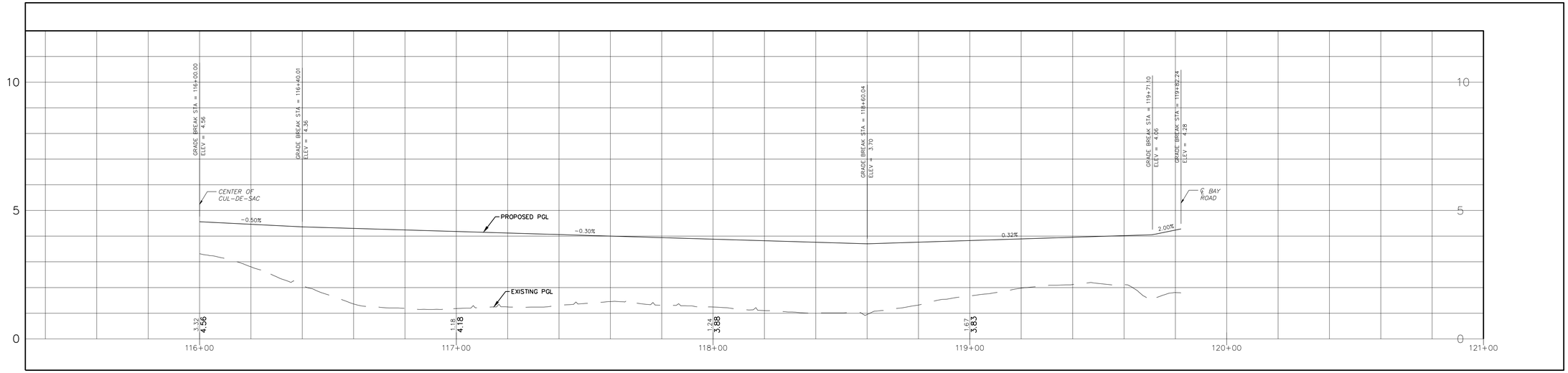

PROFILE

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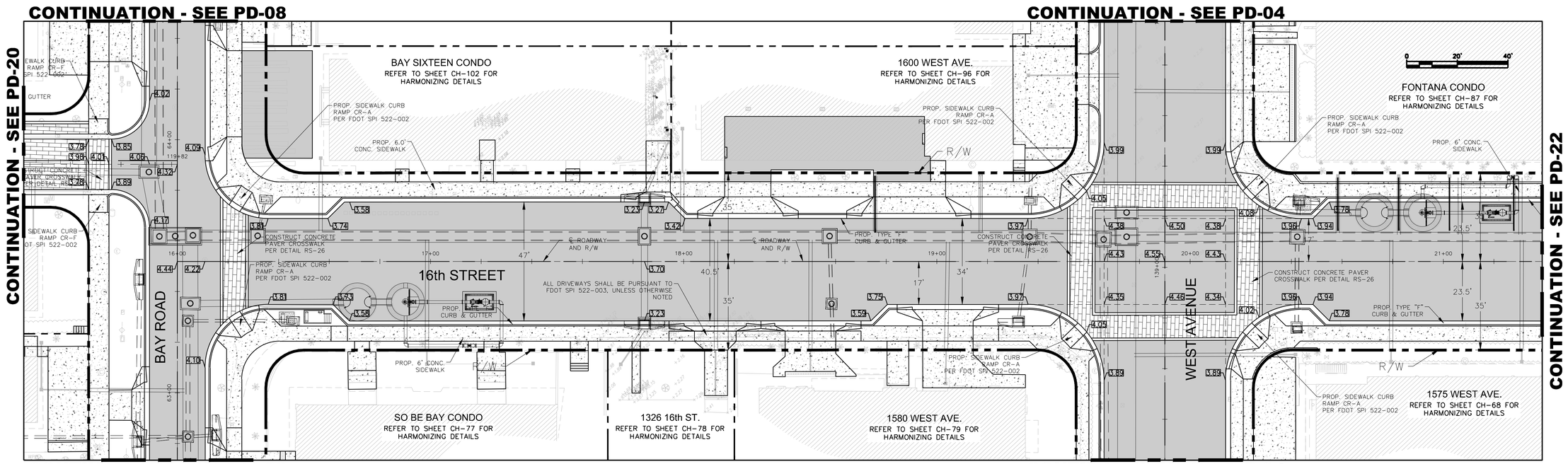

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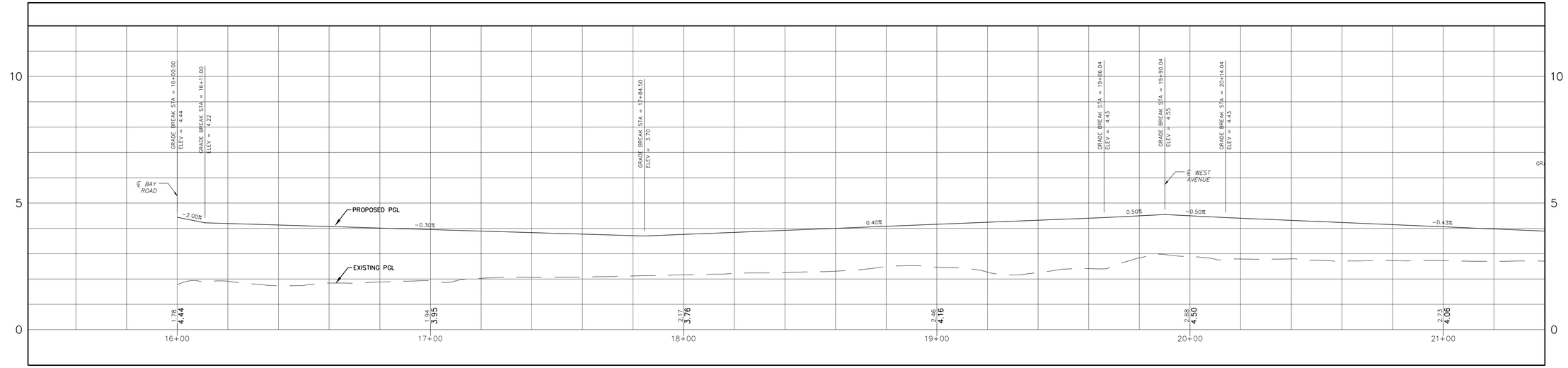

PROFILE

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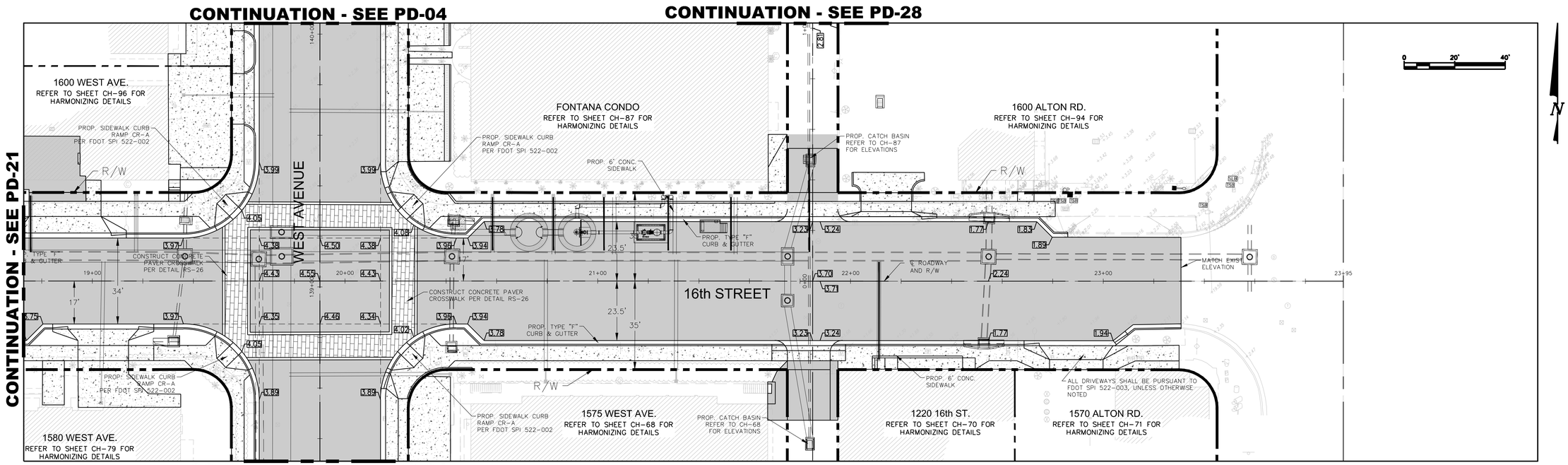

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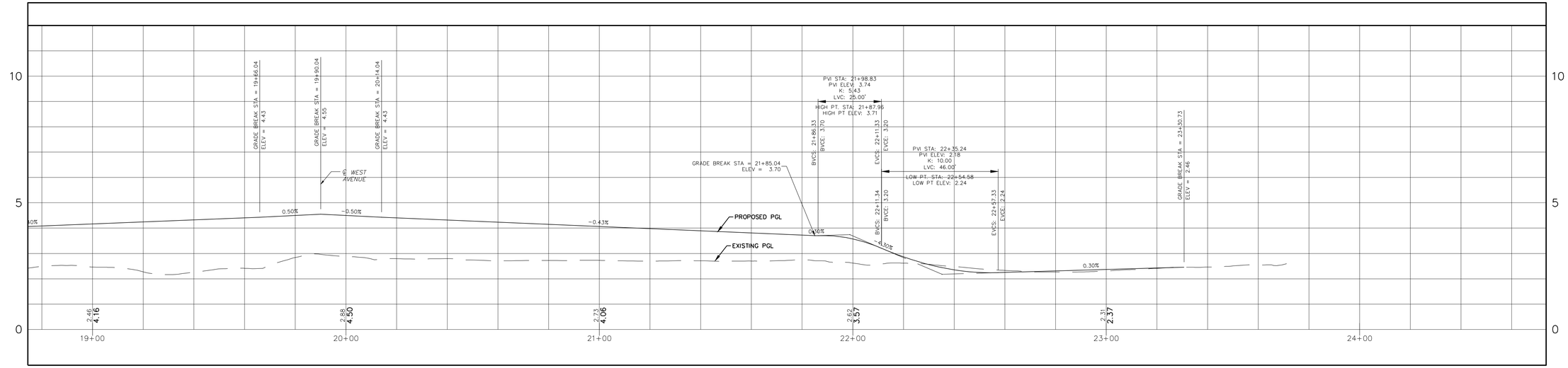

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Field Book: _____ Page: _____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-22 OF PD-34 Drawing: PD-22

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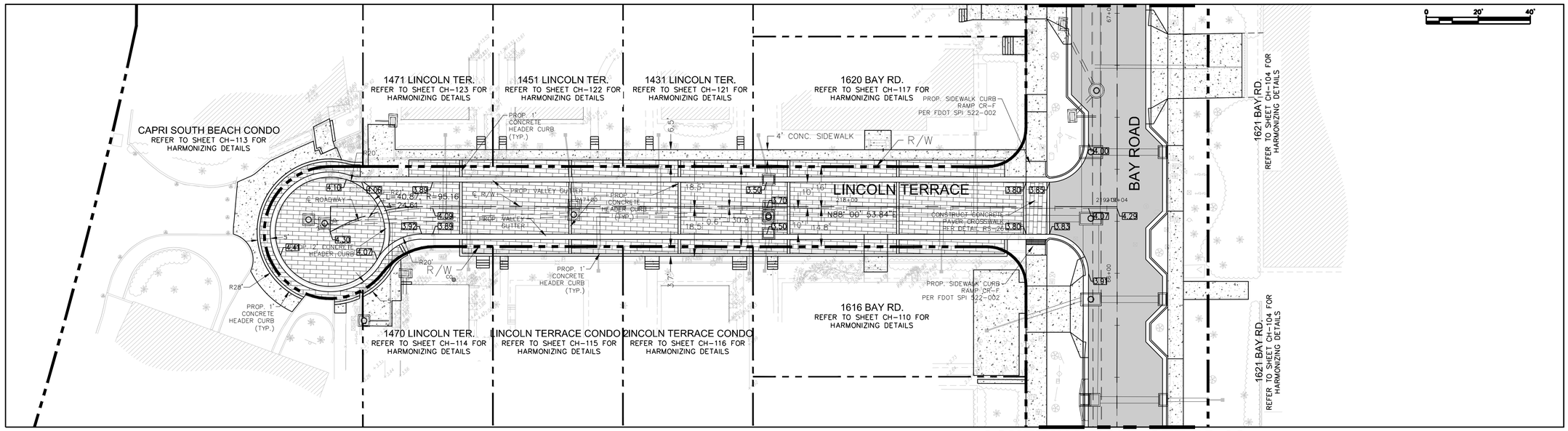
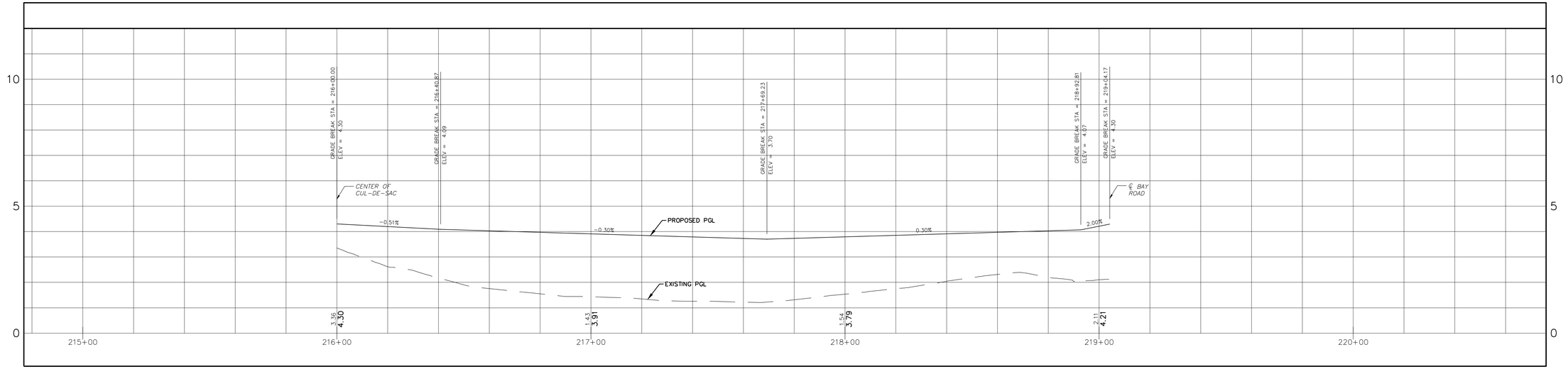
CONTINUATION - SEE PD-09



CONTINUATION - SEE PD-08

PLAN

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY PLAN AND PROFILE

SSA SCHWEBKE SHISKIN & ASSOCIATES

FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD:
LUIS F. LEON, P.E.
VICE PRESIDENT

NO.	DATE	REVISION	APP'D. BY
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File Name: PD West Avenue North.dwg
Survey Reference:
Field Book: _____ Page: _____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-23 OF PD-34 Drawing: **PD-23**

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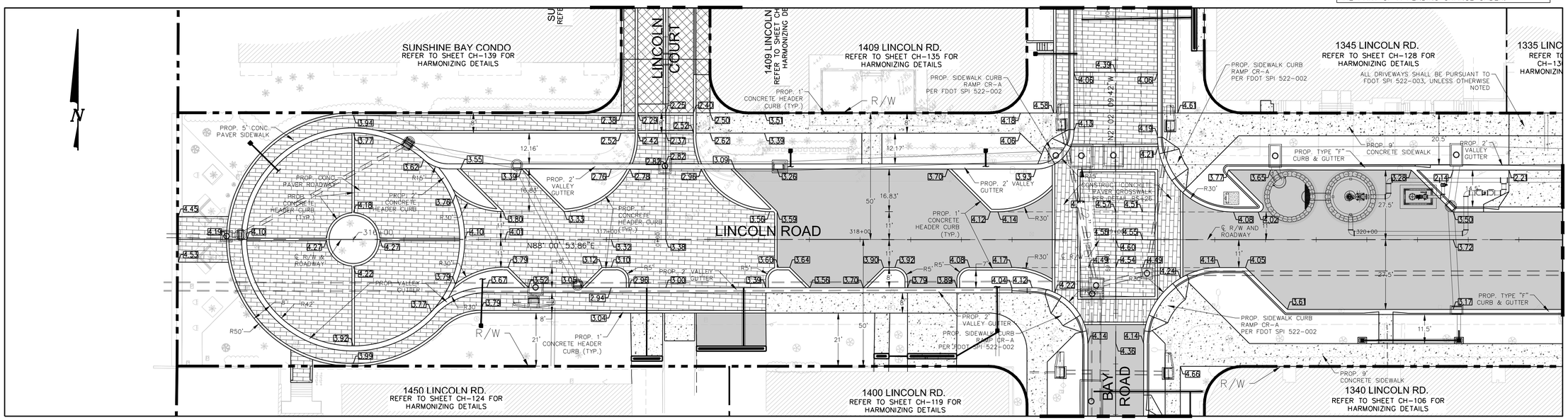
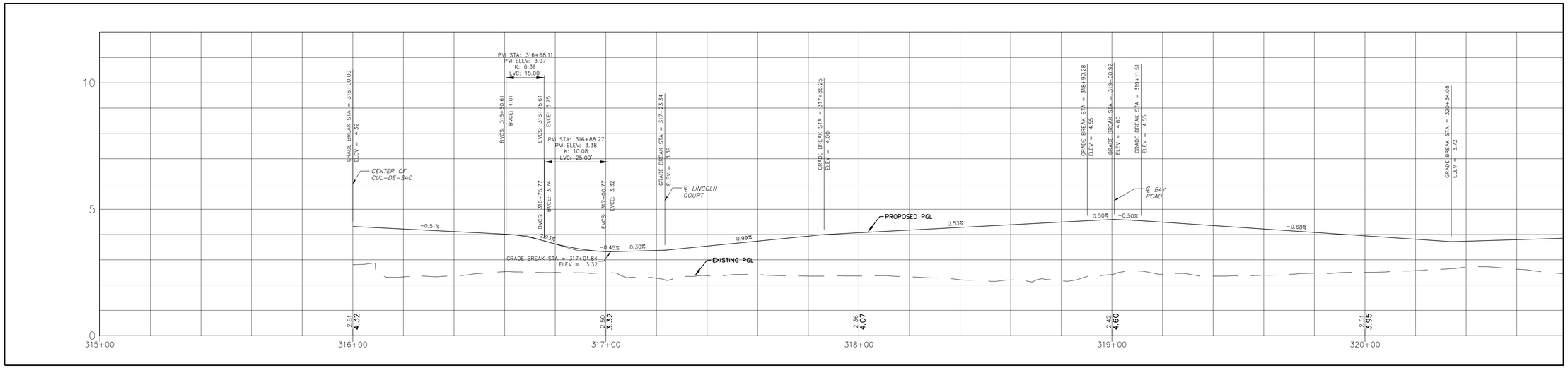
*NOTE:
ALL PAVERS WITHIN THE INTERSECTIONS OF LINCOLN ROAD WITH BAY ROAD AND LINCOLN COURT ARE PART OF A PENDING CHANGE ORDER.



PLAN

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY PLAN AND PROFILE

SSA SCHWEBKE SHISKIN & ASSOCIATES
FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD:
LUIS F. LEON, P.E.
VICE PRESIDENT

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Survey Reference:
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Date: 11/4/2021 Sheet: PD-24 OF PD-34 Drawing: PD-24

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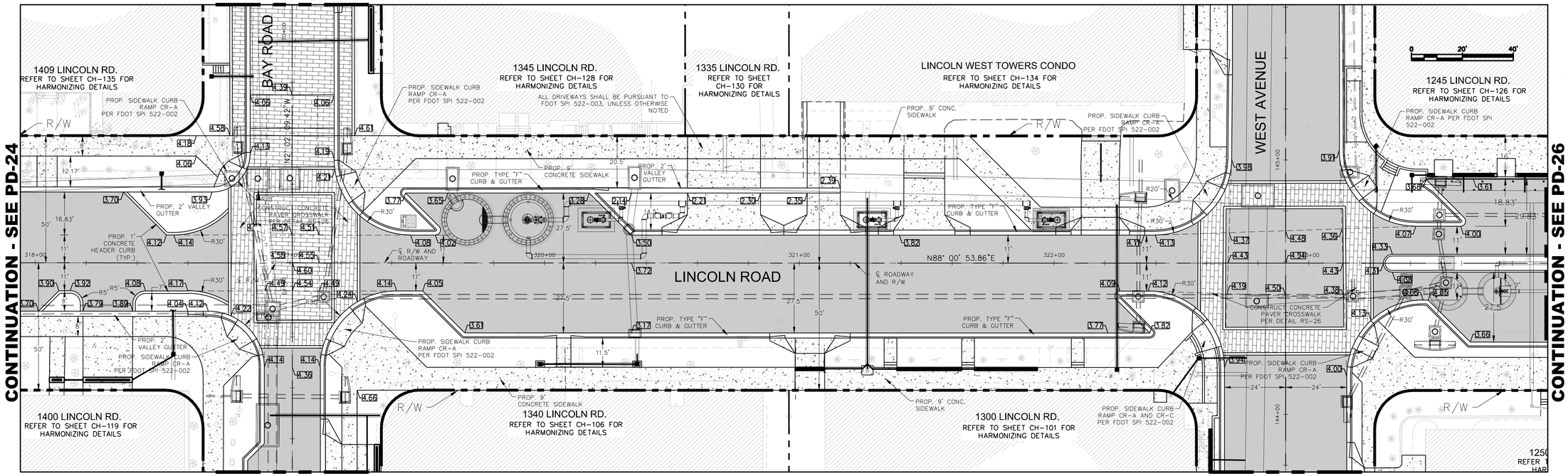

PLAN

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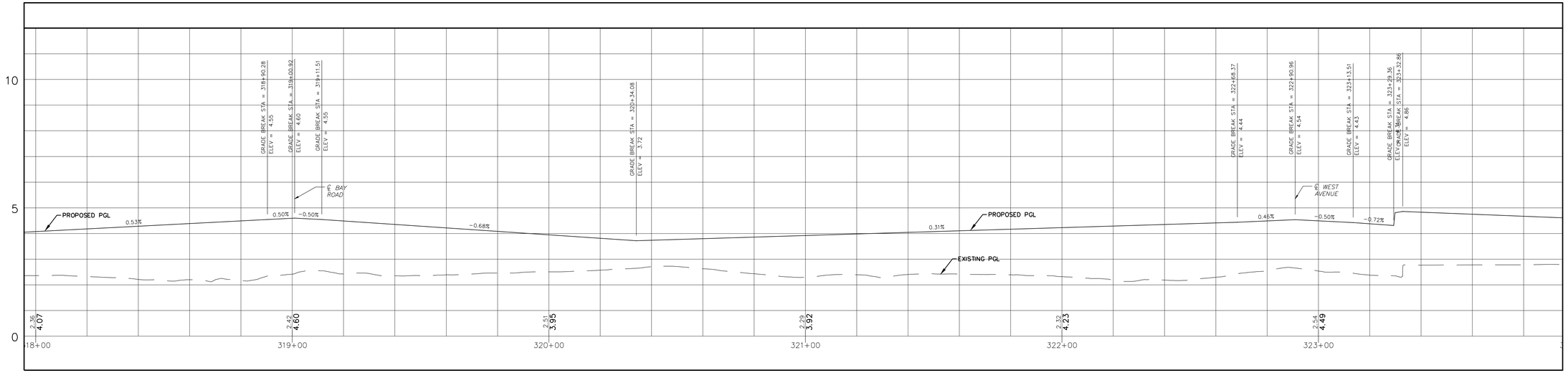

PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY PLAN AND PROFILE

SSA SCHWEBKE SHISKIN & ASSOCIATES

FILE NO.: AJ-5717

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LUIS F. LEON, P.E.
VICE PRESIDENT

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File Name: PD West Avenue North.dwg
Survey Reference:
Field Book: _____ Page: _____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-25 OF PD-34 Drawing: PD-25

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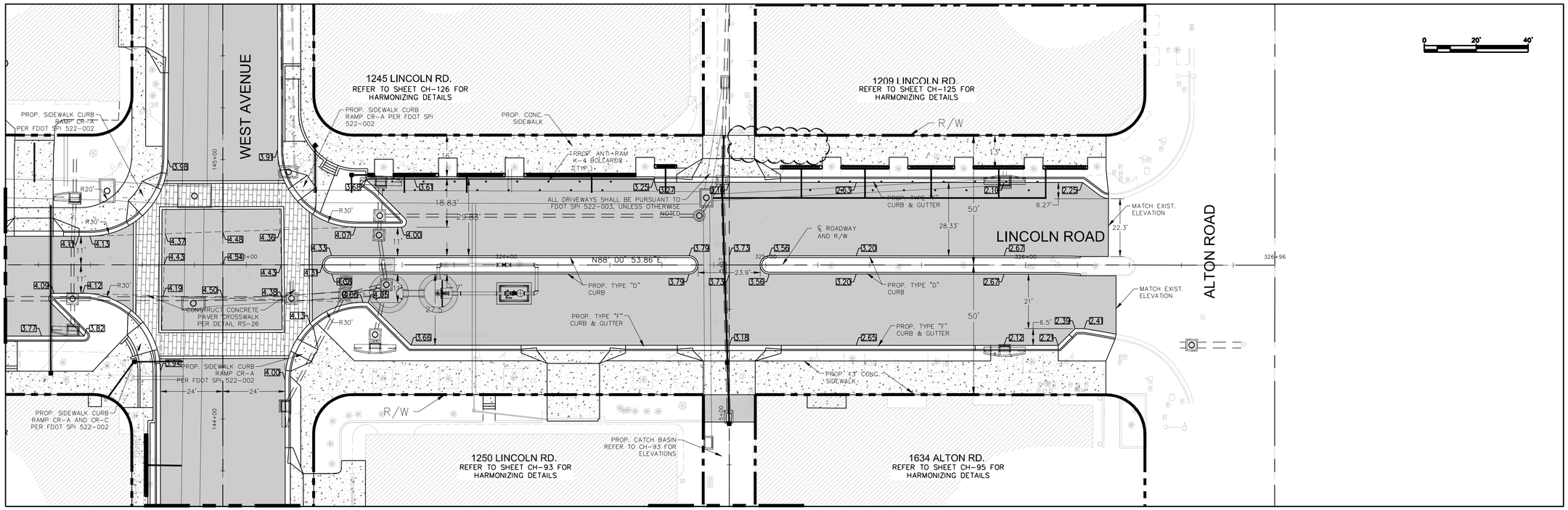
CONTINUATION - SEE PD-05

CONTINUATION - SEE PD-25

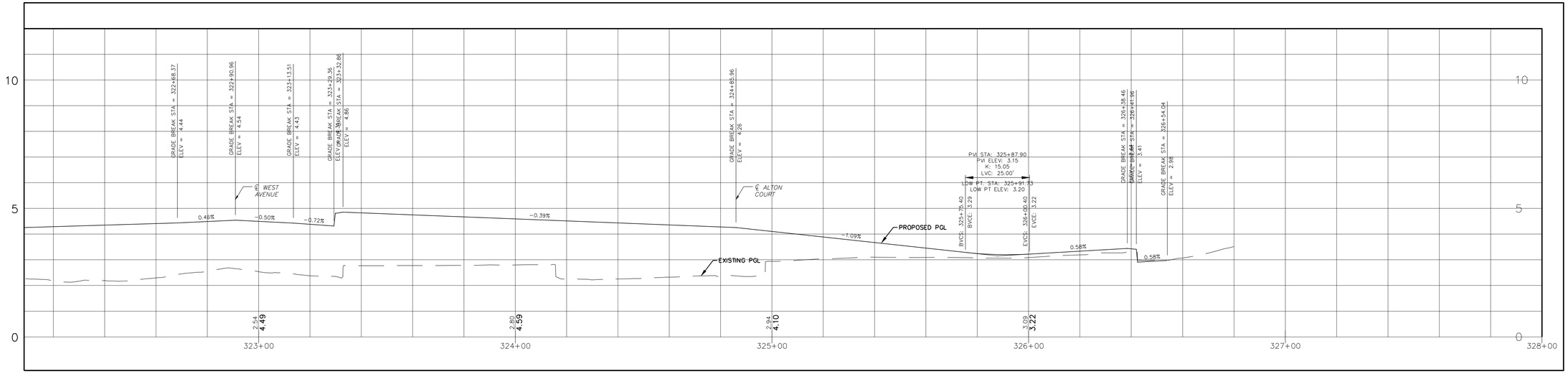


CONTINUATION - SEE PD-05

CONTINUATION - SEE PD-28

PLAN

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

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CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD:
LUIS F. LEON, P.E.
VICE PRESIDENT

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File Name: PD West Avenue North.dwg
Survey Reference:
Field Book: _____ Page: _____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-26 OF PD-34 Drawing: PD-26

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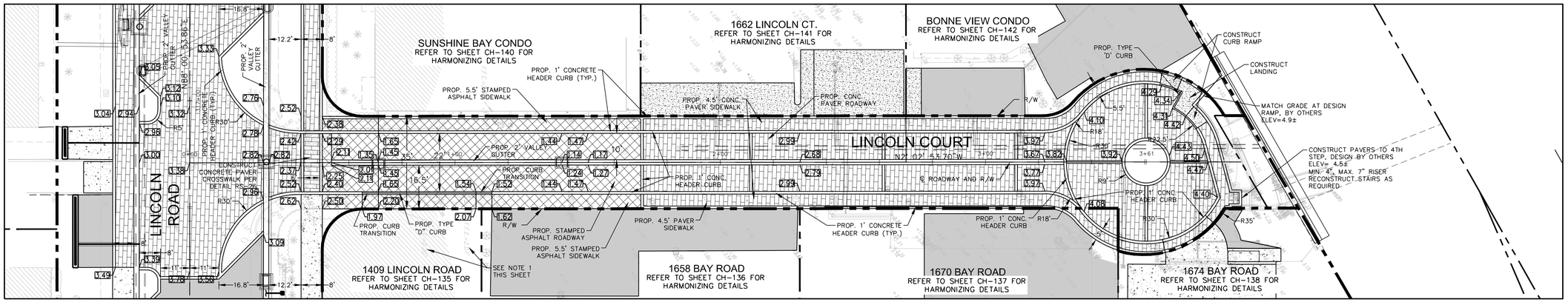
*NOTE:

1) CONTRACTOR SHALL VERIFY BUILDING FINISH FLOOR ELEVATIONS AT 1409 LINCOLN ROAD AND NOTIFY THE ENGINEER OF RECORD PRIOR TO COMMENCING WORK. CURB HEIGHT MAY BE ADJUSTED TO 4" MNIIMUM. OR 8" MAXIMUM AS NEEDED TO MAINTAIN A MINIMUM SIDEWALK CROSS SLOPE OF 1% OR MAXIMUM OF 2%.

0 20' 40'

N

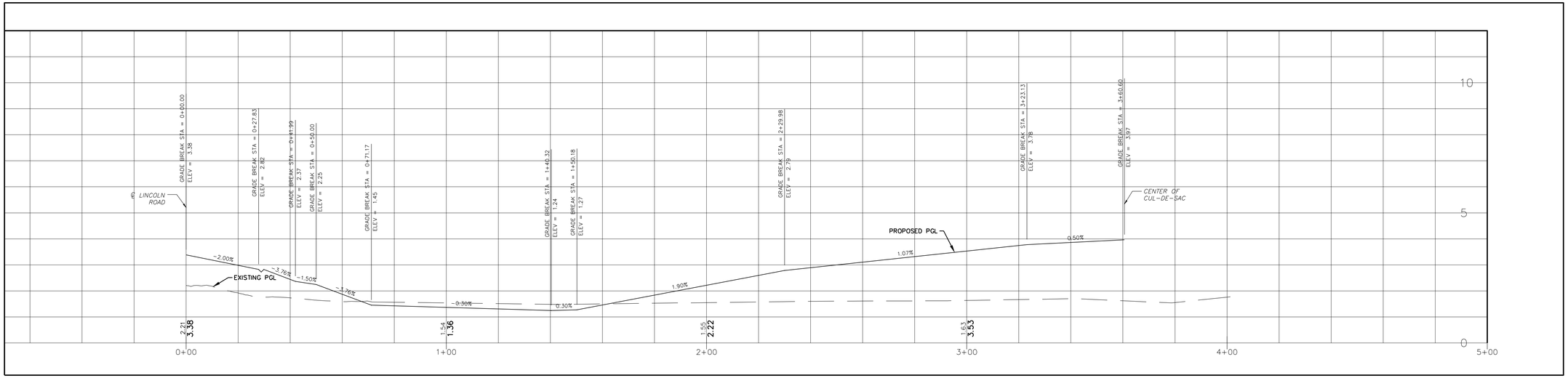
CONTINUATION - SEE PD-24



CONTINUATION - SEE PD-24

PLAN

SCALE: 1"=20'



PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY PLAN AND PROFILE

SSA SCHWEBKE SHISKIN & ASSOCIATES

FILE NO.: AJ-5717

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ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD:
LUIS F. LEON, P.E.
VICE PRESIDENT

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File Name: PD West Avenue North.dwg
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Field Book: _____ Page: _____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-27 OF PD-34 Drawing: PD-27

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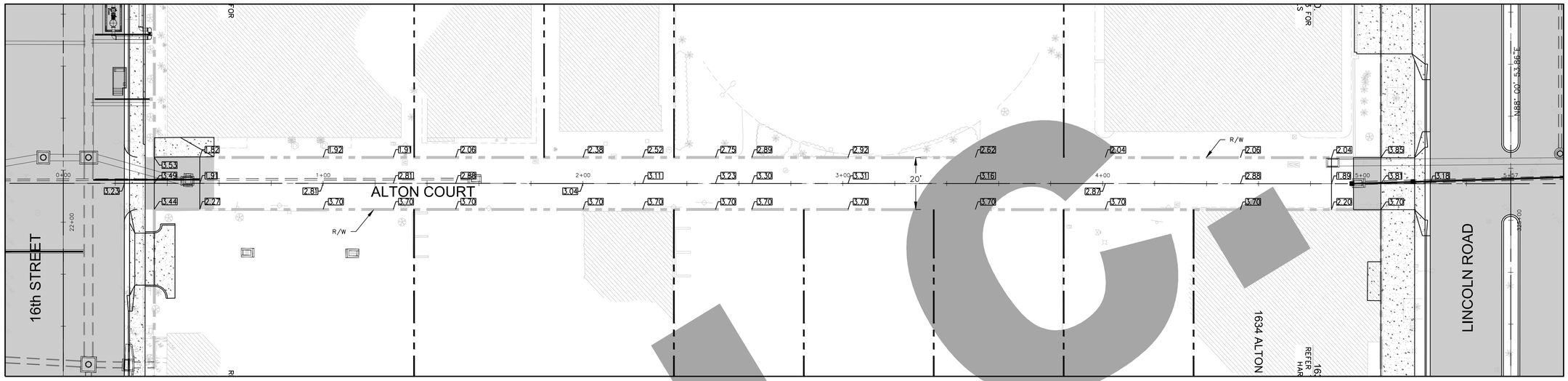
CONTINUATION - SEE PD-22 **CONTINUATION - SEE PD-26**

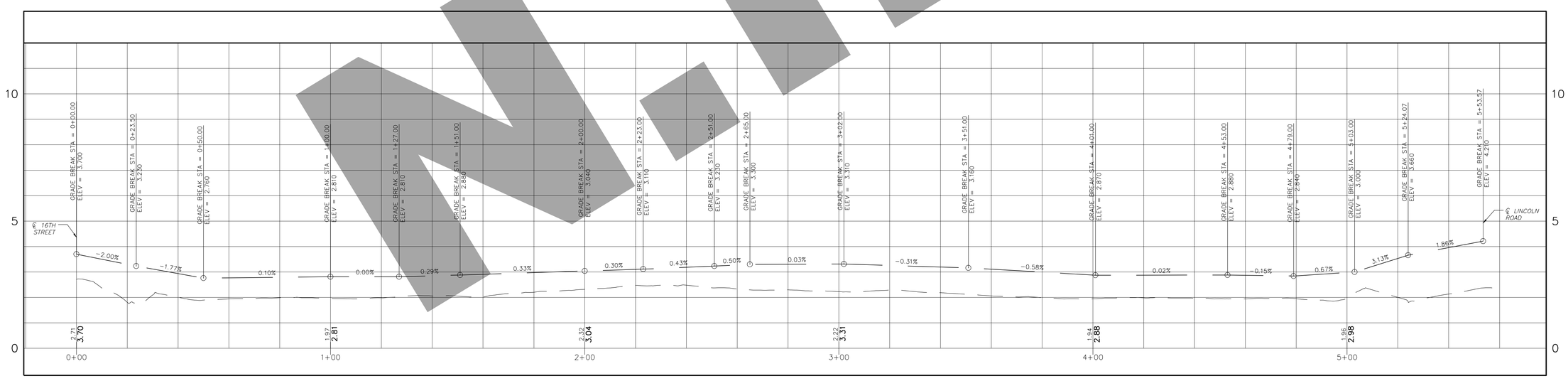


CONTINUATION - SEE PD-22 **CONTINUATION - SEE PD-26**

PLAN

SCALE: 1"=20'

NOTE:
ALTON COURT FINAL DESIGN PENDING RFI RESPONSE FROM THE CITY OF MIAMI BEACH



PROFILE

SCALE: 1"=20' (H), 1"=2' (V)

100% SET

MIAMIBEACH
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

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SSA SCHWEBKE SHISKIN & ASSOCIATES
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LUIS F. LEON, P.E.
VICE PRESIDENT

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File Name: PD West Avenue North.dwg
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Field Book: ____ Page: ____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-28 OF PD-34 Drawing: **PD-28**

N.T.S.

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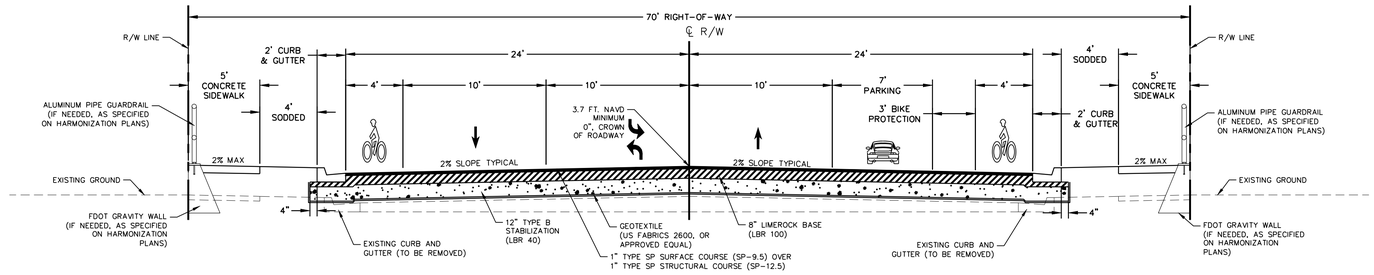
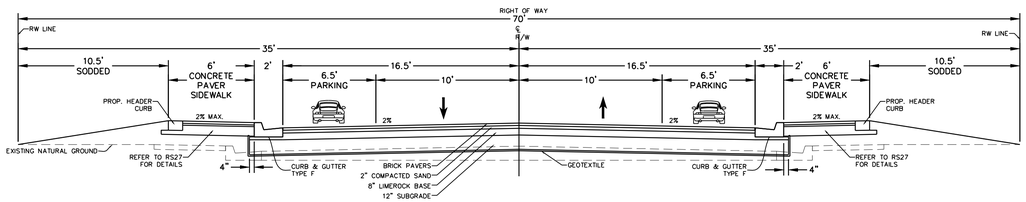
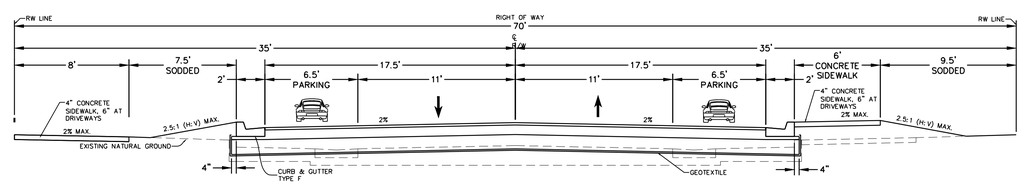


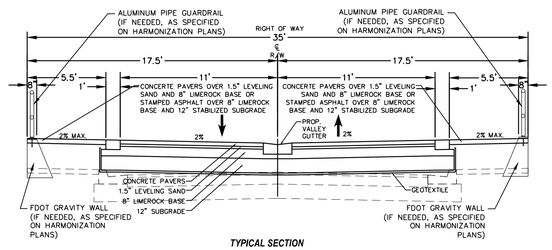
WEST AVENUE
TYPICAL SECTION
N.T.S.



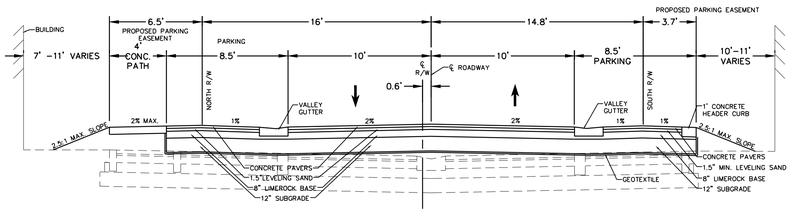
TYPICAL SECTION
BAY RD
NORTH OF LINCOLN RD
N.T.S.



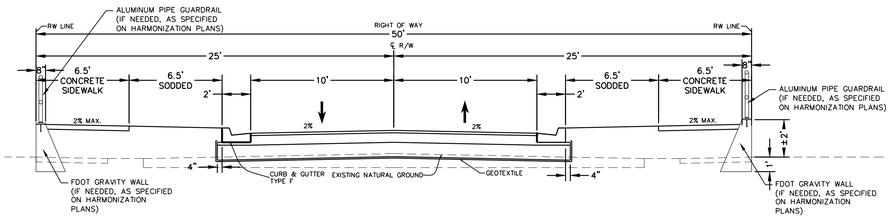
TYPICAL SECTION
BAY RD
14th to LINCOLN RD
N.T.S.



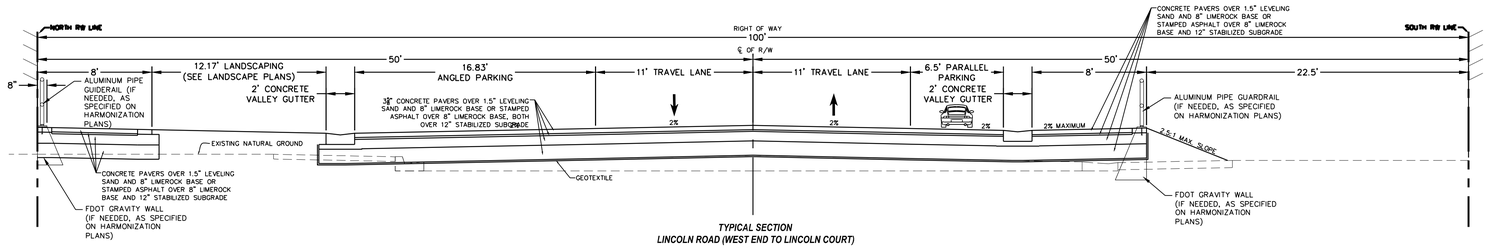
TYPICAL SECTION
LINCOLN COURT
N.T.S.



TYPICAL SECTION
LINCOLN TERRACE
N.T.S.



TYPICAL SECTION
14TH TERRACE AND FLAMINGO WAY
N.T.S.



TYPICAL SECTION
LINCOLN ROAD (WEST END TO LINCOLN COURT)
N.T.S.

NEW CONSTRUCTION

- *GEOTEXTILE (US FABRICS 2600, OR APPROVED EQUAL)*
- *12" TYPE B STABILIZATION (LBR40)*
- *OPTIONAL BASE GROUP 6 (8" LIMEROCK LBR100)*
- *1" TYPE SP STRUCTURAL COURSE SP-12.5*
- *1" TYPE SP SURFACE COURSE SP-9.5*

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE: ***TYPICAL ROADWAY CROSS SECTIONS***

SSA SCHWEBKE SHISKIN

FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD:
LUIS F. LEON, P.E.
VICE PRESIDENT

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File Name: **PD West Avenue North - Sections.dwg**
Survey Reference:
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Date: 11/4/2021 Sheet: PD-29 OF PD-34 Drawing: ***PD-29***

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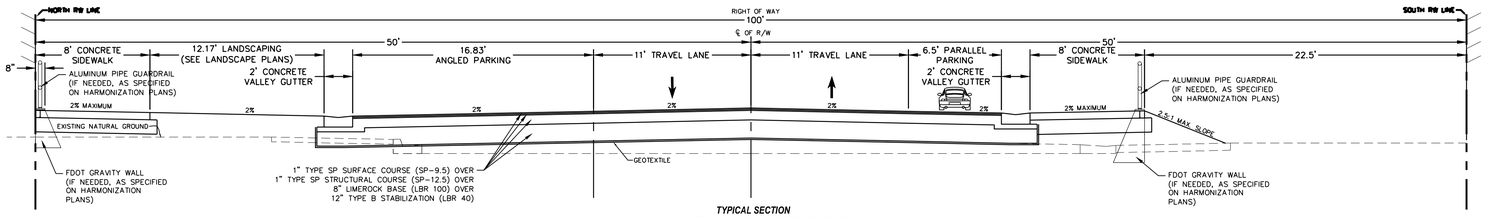
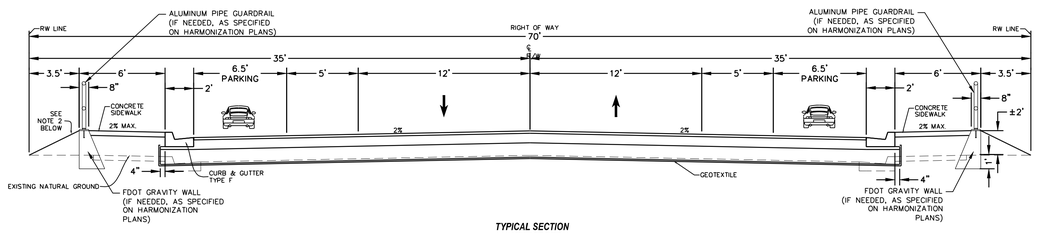


TYPICAL SECTION
LINCOLN ROAD (LINCOLN COURT TO BAY ROAD)
N.T.S.

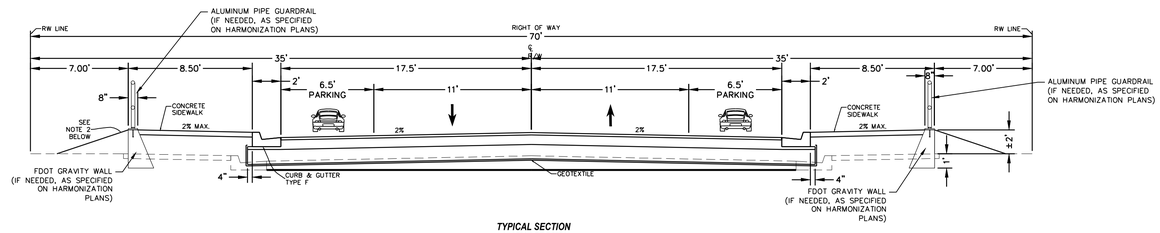


TYPICAL SECTION
16TH STREET

BAY RD TO ALTON RD
N.T.S.

ENCROACHMENTS

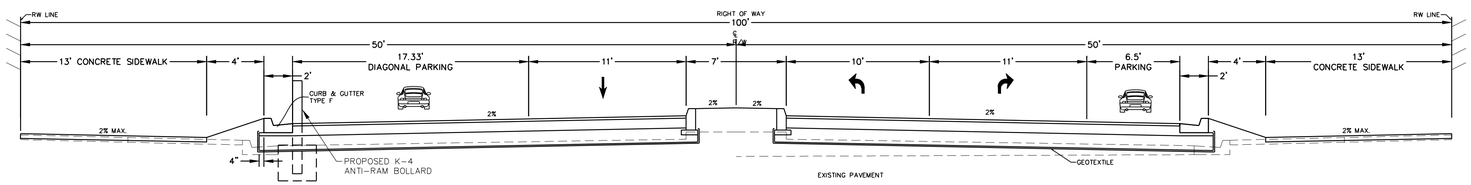
1. *If no encroachments are removed, then use gravity wall.*
2. *If encroachment is removed, then use 3:1 slope to transition with no gravity wall*



TYPICAL SECTION
15TH STREET
N.T.S.

ENCROACHMENTS

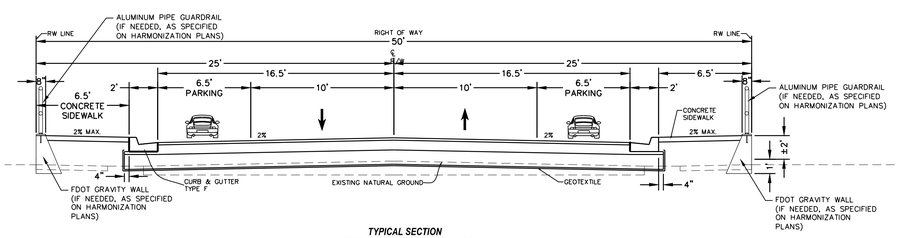
1. *If no encroachments are removed, then use gravity wall.*
2. *If encroachment is removed, then use 3:1 slope to transition with no gravity wall*



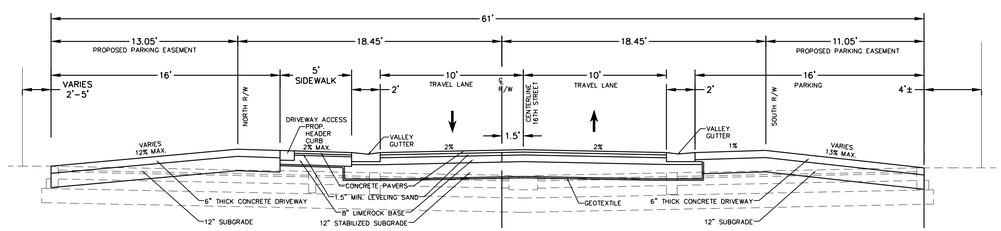
TYPICAL SECTION
LINCOLN ROAD (ALTON COURT TO ALTON ROAD)
N.T.S.

NEW CONSTRUCTION

- *GEOTEXTILE (US FABRICS 2600)*
- *12" TYPE B STABILIZATION (LBR40)*
- *OPTIONAL BASE GROUP 6 (8" LIMEROCK LBR100)*
- *TYPE SP STRUCTURAL COURSE SP-12.5 1"*
- *TYPE SP SURFACE COURSE SP-9.5 1"*



TYPICAL SECTION
14TH COURT AND 15TH TERRACE
N.T.S.



TYPICAL SECTION
16TH STREET

WEST OF BAY RD
N.T.S.

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE: ***TYPICAL ROADWAY CROSS SECTIONS***

SSA SCHWEBKE SHISKIN & ASSOCIATES
FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD:
LUIS F. LEON, P.E.
VICE PRESIDENT

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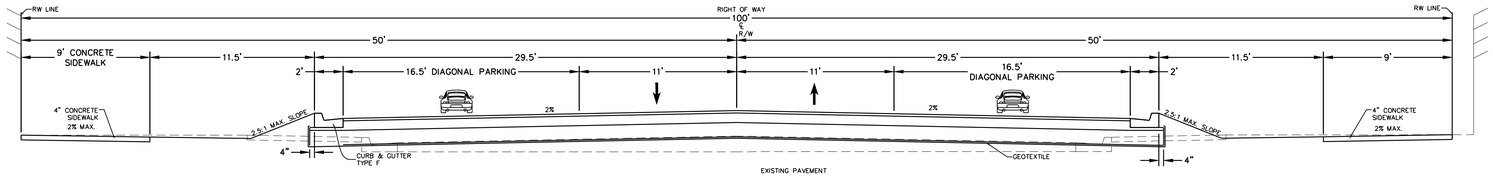
File Name: **PD West Avenue North - Sections.dwg**
Survey Reference:
Field Book: _____ Page: _____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-30 OF PD-34 Drawing: **PD-30**

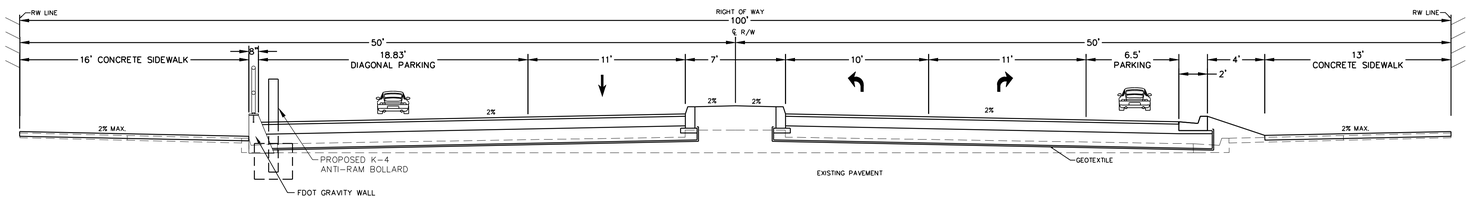
\\sso-fs01\MAIN POWERVAULT-Drafting\34553\2\West Avenue\PMD\DWG\WEST AVENUE (NORTH)\PD West Avenue North - Sections.dwg, 11/4/2021 10:23:15 PM



TYPICAL SECTION
LINCOLN ROAD (BETWEEN BAY RD AND WEST AVE)
N.T.S.

NEW CONSTRUCTION

- *GEOTEXTILE (US FABRICS 2600)*
- *12" TYPE B STABILIZATION (LBR40)*
- *OPTIONAL BASE GROUP 6 (8" LIMEROCK LBR100)*
- *TYPE SP STRUCTURAL COURSE SP-12.5 1"*
- *TYPE SP SURFACE COURSE SP-9.5 1"*



TYPICAL SECTION
LINCOLN ROAD (WEST AVENUE TO ALTON COURT)
N.T.S.

100% SET

MIAMIBEACH

1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE: ***TYPICAL ROADWAY CROSS SECTIONS***

SSA SCHWEBKE SHISKIN & ASSOCIATES

FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD:
LUIS F. LEON, P.E.
VICE PRESIDENT

NO.	DATE	REVISION	APP'D. BY
5			
4			
3			
2			
1			

File Name: PD West Avenue North - Sections.dwg
Survey Reference:
Field Book: _____ Page: _____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-31 OF PD-34 Drawing: ***PD-31***

\\Saa-fs01\miamiPOWER\AULT-DRAFTING\3453\2\West Avenue\PAD\DWG\WEST AVENUE (NORTH)\PD West Avenue North - Sections.dwg, 11/4/2021 10:23:23 PM

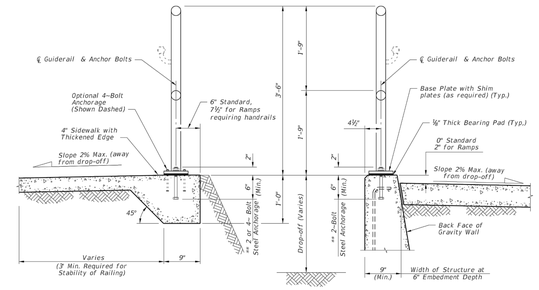
NOTES:

1. Shop Drawings are required.
2. Work with Specification 515.
3. Materials:
   - A. Pan Head Set Screws: Aluminum Alloy 2024-T4 or 7075-T73 or Stainless Steel (SS) Type 316 or 18-8 Alloy.
   - B. Base Plates and Cap Plates: ASTM B209, Alloy 6061-T6
   - C. Structural Pipe Tube and Bars: ASTM B221 or ASTM B429, Alloy 6061-T6
   - D. End Rails 90° bends and corner bends with a maximum 4 foot spacing: Alloy 6063-T5 is permitted.

RAILING MEMBER DIMENSIONS TABLE			
MEMBER	DESIGNATION	OUTSIDE DIMENSION	WALL THICKNESS
Posts	2" NPS (Sch. 40)	2.375"	0.154"
Rails	2" NPS (Sch. 40)	2.375"	0.154"
Rail Joint/Splice Sleeves	1½" NPS (Sch. 40)	1.900"	0.145"
Handrails Joint/Splice Sleeves	1" NPS (Sch. 40) 1.50 ODx0.125 Wall	1.315" 1.500"	0.133" 0.125"
Handrails	1½" NPS (Sch. 40)	1.900"	0.145"
Handrail Support Bar	1" Ø Round Bar	1.000"	N/A

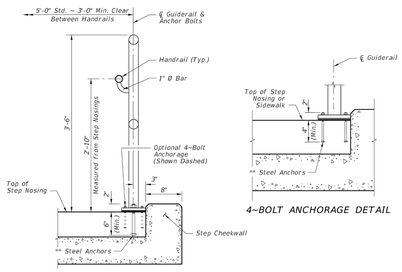
   - E. Galvanized Steel Fasteners:
     - a. Hex Head Bolts: ASTM A 307 Type 1 or ASTM F1554 Grade 36
     - b. Adhesive Anchors: ASTM F1554 Grade 36 fully threaded rods
     - c. Hex Nuts: ASTM A563
     - d. Flat Washers: ASTM F436
   - F. Aluminum Shims: ASTM B209, Alloy 6061
   - G. Bearing Pads: Plain, Fabric Reinforced, or Fabric Laminated meeting requirements of Specifications 515 & 932.
4. Fabrication:
   - A. Place expansion joints at a maximum of 30'-0" spacing
   - B. Field splices are similar to the expansion joint detail and may be approved by the Engineer to facilitate handling; but top rail must be continuous across a minimum of two posts.
   - C. Continuity Field splice (Detail "E"); only use to make the railing continuous for unforeseen field adjustments
   - D. Corners and changes in tangential longitudinal alignment may be made continuous with a 9" bend radius or terminated at adjoining sections with a standard end hoop when handrails are not required.
   - E. For curved longitudinal alignments, shop bend top and bottom rails and handrails to match the alignment radius.
   - F. For changes in tangential longitudinal alignment greater than 45°, position posts a maximum of 2'-0" each side of the corner, not at the corner apex.
5. Handrails are required and must be continuous at landings for:
   - A. Grades Steeper than 5%
   - B. Three or more steps
6. Cutting of reinforcing steel is permitted for post installed anchor bolts.

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2019-20 STANDARD PLANS	PIPE GUIDERAIL (ALUMINUM)	INDEX	SHEET
11/01/18						515-070	1 of 5



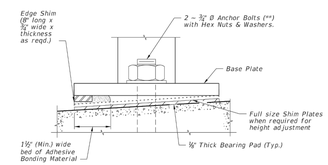
TYPICAL SECTION ON CONCRETE SIDEWALK

TYPICAL SECTION ON GRAVITY WALL (Other Retaining Walls Similar)

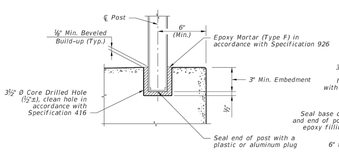


4-BOLT ANCHORAGE DETAIL

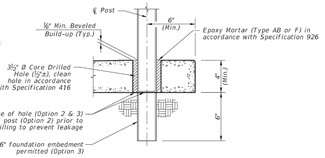
TYPICAL SECTION ON STEPS & STAIRS



DETAIL "F" (OPTIONAL SHIMMING DETAIL FOR CROSS SLOPE CORRECTION) (Used in lieu of Beveled Shim Plates)



SIDEWALK ANCHORAGE DETAIL OPTION 1

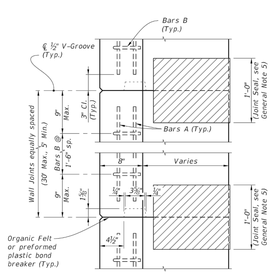


SIDEWALK ANCHORAGE DETAIL OPTION 2 & 3

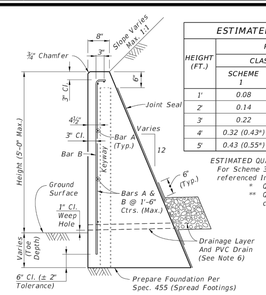
NOTES:
** 2 – ¾" Ø x 8" or 4 – 5/8" Ø x 6" Steel Anchors: Galvanized Steel Bolts (As Shown) (C-I-P); Galvanized U-Bolts Permitted (C-I-P); Galvanized Adhesive Anchors Permitted

*** The minimum embedment for Adhesive Anchors is 6" for 2-Bolt Anchorage or 4" for 4-Bolt Anchorage.

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2019-20 STANDARD PLANS	PIPE GUIDERAIL (ALUMINUM)	INDEX	SHEET
11/01/17						515-070	5 of 5



KEYWAY & WALL JOINT DETAIL (TOP VIEW)



TYPICAL SECTION C-I-P CONCRETE GRAVITY WALL

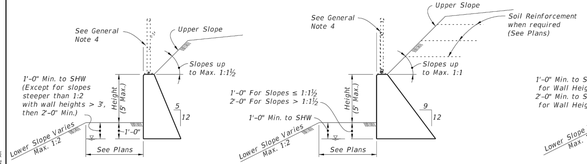
ESTIMATED QUANTITIES FOR C-I-P WALL

HEIGHT (FT.)	PER LINEAR FOOT OF WALL — CLASS NS CONCRETE (CY) SCHEME 1	SCHEME 2	SCHEME 3**	REINF. STEEL (LB.)	WEEP HOLES & DRAIN REQD.
1'	0.08	0.11 (0.20*)	0.03	3 (4*)	No
2'	0.14	0.20 (0.32*)	0.09	4 (5*)	No
3'	0.22	0.32 (0.47*)	0.29	5 (6*)	Yes
4'	0.32 (0.43*)	0.47 (0.65*)	0.43	6 (7*)	Yes
5'	0.43 (0.55*)	0.65 (0.85*)	0.60	7 (8*)	Yes

ESTIMATED QUANTITIES NOTES:
For Scheme 3 Junction Slab and Traffic Railing see the referenced Index for estimated quantities.
* Quantity for 2'-0" Toe Depth.
** Quantity for Scheme 3 assumes 1'-3" thick coping above Gravity Wall.

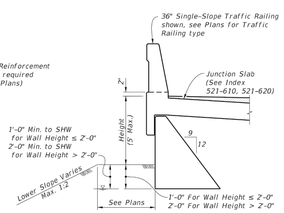
GENERAL NOTES

1. C-I-P Gravity Walls constructed as extensions of reinforced concrete retaining walls, except walls of proprietary designs, shall have the same face texture and finish as the reinforced concrete retaining wall.
2. Concrete for Gravity Wall shall be Class NS per Section 347. Concrete for Scheme 3 Junction Slab and Traffic Railing shall be Class II per Section 346, unless otherwise specified in the plans.
3. Reinforcing steel shall meet the requirements of Specification Section 931 (Grade 40 or 60). Smooth or Deformed Welded Wire Reinforcement (WWR) may be substituted on an equal area basis. Do not increase bar/wire spacing for Grade 60 reinforcing steel or WWR.
4. When required, for adjunct guiderail, see Index 515-070 or 515-080 as appropriate. For adjunct Type B fence see Index 550-002.
5. Joint Seal: Organic Felt bond breaker in accordance with Specification Section 400 or Type D-5 geotextile fabric in accordance with Specification Section 985. Map all contact surfaces of concrete and Organic Felt or geotextile fabric with cut-back asphalt. Stop Organic Felt or geotextile fabric 6" below top of wall.
6. Provide a continuous 1'x1' clean gravel or crushed rock drain for wall heights 3 ft. and higher. Wrap drainage layer as shown, with Type D-3 geotextile fabric in accordance with Specification Section 985. Provide 8"x8" galvanized mesh with ¼" openings, at the inside end of the PVC Drain Pipe. Provide 2" Ø PVC Drain Pipe (Sch. 40) at 10 ft. max. spacing (when Drainage Layer is required). Locate outermost edge of Drain Pipe a minimum of 2'-0" from wall joints.
7. Cost of reinforcing steel, face texture, finish, joint seal, drain pipes, drainage layer, galvanized mesh and geotextile fabric to be included in the Contract Unit Price for Concrete Class NS, Gravity Wall. Cost of concrete for Junction Slab in Scheme 3, to be included in Contract Unit Price for Concrete Traffic Railing Barrier With Junction Slab. Adjunct railings or fences to be paid for separately.



SCHEME 1 (No Traffic Loading Effects & Upper Slopes ≤ 1:1½)

SCHEME 2 (With Traffic Loading or Upper Slopes > 1:1½)

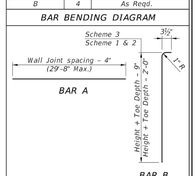


SCHEME 3 (With Traffic Railing)

BILL OF REINFORCING STEEL

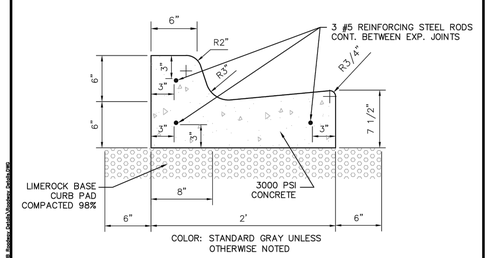
MARK	SIZE	LENGTH
A	4	As Reqd.
B	4	As Reqd.

BAR BENDING DIAGRAM



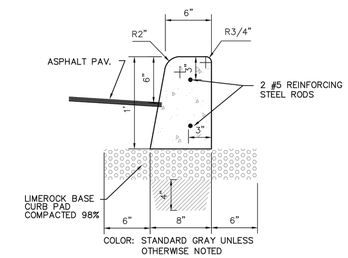
NOTES:
1. All bar dimensions are out to out.
2. Lap splices for Bars A must be a minimum of 1'-10".

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2019-20 STANDARD PLANS	GRAVITY WALL	INDEX	SHEET
11/01/17						400-011	1 of 1



CONCRETE CURB & GUTTER DETAIL TYPE "F"
N.T.S.

MIAMIBEACH PUBLIC WORKS DEPARTMENT 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139	APPROVED 01/05/2005	REVISED 10/2008 05/31/2017 03/15/2019 07/15/2019 08/16/2019	TITLE: ROADWAY DETAILS NO.1 CONCRETE CURB & GUTTER DETAIL TYPE 'F'	RS1



CONCRETE CURB DETAIL
N.T.S.

MIAMIBEACH PUBLIC WORKS DEPARTMENT 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139	APPROVED 01/05/2005	REVISED 10/2008 05/31/2017 03/15/2019 07/15/2019 08/16/2019	TITLE: ROADWAY DETAILS NO.1 CONCRETE CURB DETAIL	RS2

100% SET

MIAMIBEACH
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

NEIGHBORHOOD: **WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET**

TITLE: **ROADWAY DETAILS** ----

SSA SCHWEBKE SHISKIN — FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD: LUIS F. LEON, P.E. VICE PRESIDENT

NO.	DATE	REVISION	APP'D. BY
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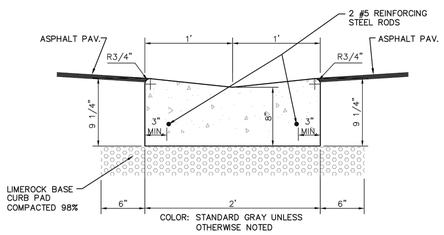
1			

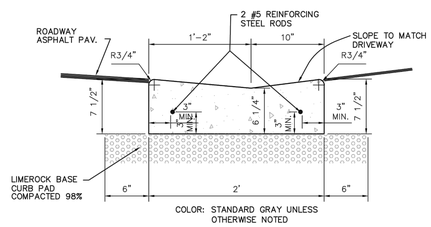
File Name: PD West Avenue North.dwg
Survey Reference:
Field Book: ____ Page: ____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-32 OF PD-34 Drawing: PD-32



24" CONCRETE VALLEY GUTTER
N.T.S.

MIAMIBEACH
PUBLIC WORKS DEPARTMENT
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

APPROVED	REVISED	TITLE:	
12/2006	06/07/2004 12/2006 06/14/2013	ROADWAY DETAILS NO.1 24" CONCRETE VALLEY GUTTER	RS3



24" CONCRETE DROP CURB, (DRIVEWAY)
N.T.S.

MIAMIBEACH
PUBLIC WORKS DEPARTMENT
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

APPROVED	REVISED	TITLE:	
12/2006	06/07/2004 12/2006 06/14/2013	ROADWAY DETAILS NO.1 24" CONCRETE DROP CURB, (DRIVEWAY)	RS4

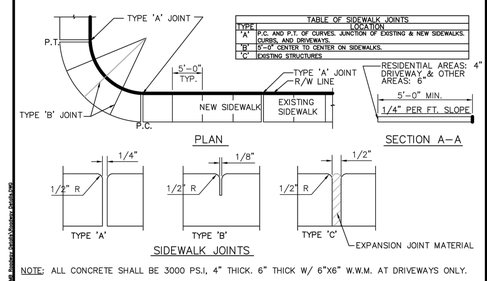


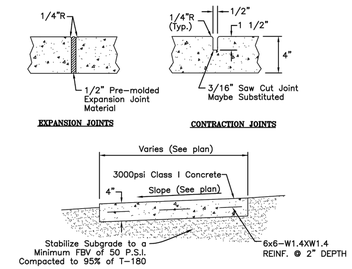
TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING & NEW SIDEWALKS, CURBS, AND DRIVEWAYS.
"B"	5'-0" CENTER TO CENTER ON SIDEWALKS.
"C"	EXISTING STRUCTURES

NOTE: ALL CONCRETE SHALL BE 3000 P.S.I, 4" THICK. 6" THICK W/ 6"X6" W.W.M. AT DRIVEWAYS ONLY.

SIDEWALK CONSTRUCTION DETAIL 1
N.T.S.

MIAMIBEACH
PUBLIC WORKS DEPARTMENT
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

APPROVED	REVISED	TITLE:	
09/05/2003	06/13/05 12/2006 09/2010	ROADWAY DETAILS NO.1 SIDEWALK CONSTRUCTION DETAIL 1	RS8



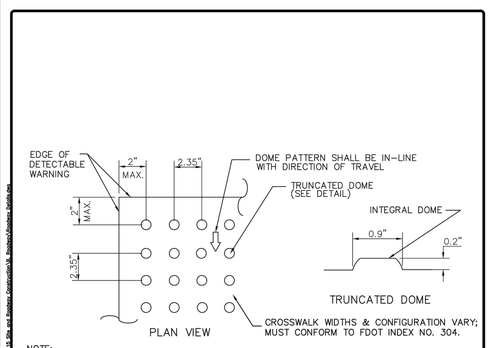
NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS SECTIONS 346 & 350.
2. ALL TESTING SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS SECTION 346-5/346-8 FOR 28 DAY COMPRESSIVE STRENGTH 3000 PSI CONCRETE.
3. PROVIDE EXPANSION JOINTS 20' CENTER TO CENTER, AT PC & PT OF CURVES, JUNCTIONS OF EXISTING & NEW SIDEWALKS, AND WHERE SIDEWALK ABUTS CURBS, DRIVEWAYS & SIMILAR STRUCTURES. PROVIDE CONTRACTION JOINTS 5' CENTER TO CENTER.
4. SOD SHALL BE PLACED BELOW EDGE OF SIDEWALK TO ALLOW DRAINAGE.

SIDEWALK CONSTRUCTION DETAIL 2
N.T.S.

MIAMIBEACH
PUBLIC WORKS DEPARTMENT
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

APPROVED	REVISED	TITLE:	
09/05/2003	06/13/05 12/2006 09/2010	ROADWAY DETAILS NO.1 SIDEWALK CONSTRUCTION DETAIL 2	RS8A

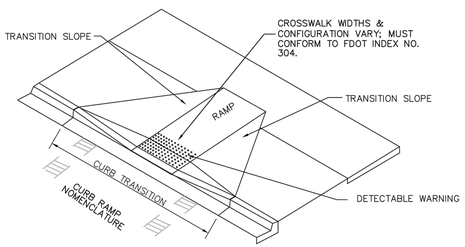


NOTE:
ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP & IN THE DIRECTION OF TRAVEL, 24" (610 MM) FROM THE BACK OF CURB AND SHOULD BE CAST IN PLACE ONLY.

PUBLIC SIDEWALK CURB RAMPS
(CURB RAMP DETECTABLE WARNING)
N.T.S.

MIAMIBEACH
PUBLIC WORKS DEPARTMENT
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

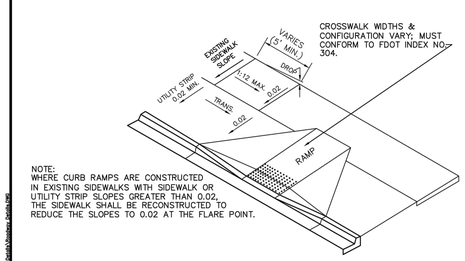
APPROVED	REVISED	TITLE:	
10/1994	06/07/2004 12/2006 07/25/2019	ROADWAY DETAILS NO.1 PUBLIC SIDEWALK CURB RAMPS (CURB RAMP DETECTABLE WARNING)	RS9



TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS
N.T.S.

MIAMIBEACH
PUBLIC WORKS DEPARTMENT
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

APPROVED	REVISED	TITLE:	
10/1994	06/07/2004 12/2006	ROADWAY DETAILS NO.1 PUBLIC SIDEWALK CURB RAMPS TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS	RS10

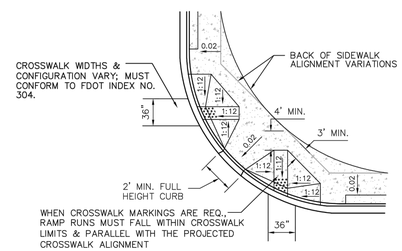


NOTE:
WHERE CURB RAMPS ARE CONSTRUCTED IN EXISTING SIDEWALKS WITH SIDEWALK OR UTILITY STRIP SLOPES GREATER THAN 0.02, THE SIDEWALK SHALL BE RECONSTRUCTED TO REDUCE THE SLOPES TO 0.02 AT THE FLARE POINT.

TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS
N.T.S.

MIAMIBEACH
PUBLIC WORKS DEPARTMENT
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

APPROVED	REVISED	TITLE:	
10/1994	06/07/2004 12/2006	ROADWAY DETAILS NO.1 PUBLIC SIDEWALK CURB RAMPS TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS	RS11



PUBLIC SIDEWALK CURB RAMPS
TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS
N.T.S.

MIAMIBEACH
PUBLIC WORKS DEPARTMENT
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139

APPROVED	REVISED	TITLE:	
10/1994	06/07/2004 12/2006	ROADWAY DETAILS NO.1 PUBLIC SIDEWALK CURB RAMPS TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS	RS12

100% SET

MIAMIBEACH
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY DETAILS

SSA SCHWEBKE SHISKIN & ASSOCIATES
FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
P.W. DIRECTOR: JOSE "JOE" GOMEZ
CITY ENGINEER: NELSON PEREZ-JACOME

ENG. OF RECORD: 58670
DESIGN ENGINEER: L.F.L.
DRAWN BY: N.R.C.
CHECKER: H.J.N.
SCALE: AS SHOWN

ENGINEER OF RECORD:
LUIS F. LEON, P.E.
VICE PRESIDENT

NO.	DATE	REVISION	APP'D. BY
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File Name: PD West Avenue North.dwg
Survey Reference:
Field Book: ____ Page: ____ Work Order: 2016-091-KB
Date: 11/4/2021 Sheet: PD-33 OF PD-34 Drawing: **PD-33**

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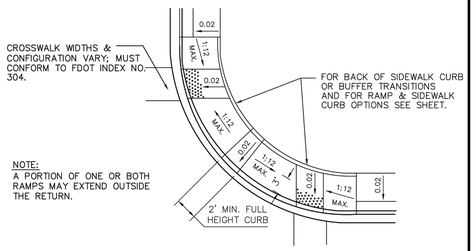
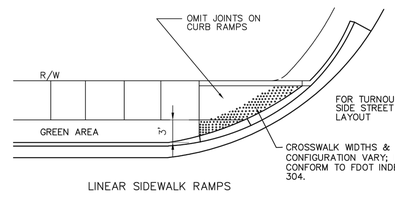


PUBLIC SIDEWALK CURB RAMPS
TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS
N.T.S.

MIAMIBEACH PUBLIC WORKS DEPARTMENT 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139 | APPROVED 10/1/2004 | REVISED 05/27/2004, 12/2006 | TITLE: ROADWAY DETAILS NO.1 PUBLIC SIDEWALK CURB RAMPS TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS | RS13



LINEAR SIDEWALK RAMPS

PUBLIC SIDEWALK CURB RAMPS
TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS
N.T.S.

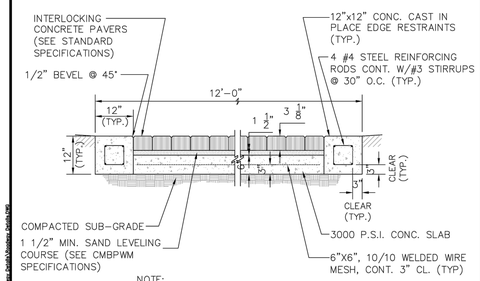
MIAMIBEACH PUBLIC WORKS DEPARTMENT 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139 | APPROVED 10/1/2004 | REVISED 05/27/2004, 12/2006 | TITLE: ROADWAY DETAILS NO.1 PUBLIC SIDEWALK CURB RAMPS TYPICAL PLACEMENT OF PUBLIC SIDEWALK CURB RAMPS AT CURBED RETURNS | RS14

GENERAL NOTES

1. PUBLIC SIDEWALK CURB RAMPS SHALL BE CONSTRUCTED IN THE PUBLIC RIGHT OF WAY AT LOCATIONS THAT WILL PROVIDE CONTINUOUS UNOBSTRUCTED PEDESTRIAN CIRCULATION PATHS TO PEDESTRIAN AREAS, ELEMENTS AND FACILITIES IN THE PUBLIC RIGHT OF WAY AND TO ACCESSIBLE PEDESTRIANS ROUTES ON ADJACENT SITES. CURBED FACILITIES WITH SIDEWALKS AND THOSE WITHOUT SIDEWALKS ARE TO HAVE CURB RAMPS CONSTRUCTED AT ALL STREET INTERSECTIONS AND AT TURNOUTS THAT HAVE CURBED RETURNS. PARTIAL CURB RETURNS SHALL EXTEND TO THE LIMIT PRESCRIBED BY INDEX NO. 515 TO ACCOMMODATE CURB RAMPS. RAMPS CONSTRUCTED AT LOCATIONS WITHOUT SIDEWALKS SHALL HAVE A LANDING CONSTRUCTED AT THE TOP OF EACH RAMP.
2. CURB RAMP RUNNING SLOPES AT UNRESTRAINED SITES SHALL NOT BE STEEPER THAN 1:12 AND CROSS SLOPE SHALL BE 0.02 OR FLATTER. TRANSITION SLOPES SHALL NOT BE STEEPER THAN 1:12. WHEN ALTERING EXISTING PEDESTRIAN FACILITIES WHERE EXISTING SITE DEVELOPMENT PRECLUDES THE ACCOMMODATION OF A RAMP SLOPE OF 1:12, A RUNNING SLOPE BETWEEN 1:12 AND 1:10 IS PERMITTED FOR A RISE OF 6" MAXIMUM AND A RUNNING SLOPE OF BETWEEN 1:10 AND 1:8 IS PERMITTED FOR A RISE OF 3" MAXIMUM. WHERE COMPLIANCE WITH THE REQUIREMENTS FOR CROSS SLOPE CANNOT BE FULLY MET, THE MINIMUM FEASIBLE CROSS SLOPE SHALL BE PROVIDED. RAMP RUNNING SLOPE IS NOT REQUIRED TO EXCEED 8' IN LENGTH, EXCEPT AT SITES WHERE THE PLANS SPECIFY A GREATER LENGTH.
3. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, THEN THE WALK SHALL HAVE TRANSITION SLOPES TO THE RAMP; THE MAXIMUM SLOPE OF THE TRANSITIONS SHALL BE 1:12. RAMPS WITH CURB RETURNS MAY BE USED AT LOCATIONS WHERE OTHER IMPROVEMENTS PROVIDE GUIDANCE AWAY FROM THAT PORTION OF THE CURB PERPENDICULAR TO THE SIDEWALK; IMPROVEMENTS FOR GUIDANCE ARE NOT REQUIRED AT CURB RAMPS FOR LINEAR PEDESTRIAN TRAFFIC.
4. CURB RAMP DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24" FROM THE BACK OF CURB. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING A TRUNCATED DOME PATTERN IN CONFORMANCE WITH U.S. DEPARTMENT OF JUSTICE A.D.A. STANDARDS FOR ACCESSIBLE DESIGN, A.D.A. ACCESSIBILITY GUIDELINES, SECTION 4.29.2, (DETAIL SHOWN TO THE LEFT). TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.
5. WHERE A CURB RAMP IS CONSTRUCTED WITHIN EXISTING CURB, CURB AND GUTTER AND / OR SIDEWALK THE EXISTING CURB OR CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE CURB TRANSITIONS OR TO THE EXTENT THAT NO REMAINING SECTION OF THE CURB OR CURB AND GUTTER IS LESS THAN 5' LONG. THE EXISTING SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE TRANSITION SLOPE OR WALK AROUND OR TO THE EXTENT THAT NO REMAINING SECTION OF SIDEWALK IS LESS THAN 5' LONG.
6. THE RAMP DETECTABLE WARNING SURFACE COLOR REQUIREMENT SHALL BE TO PROVIDE A DARK-ON-LIGHT VISUAL CONTRAST BETWEEN THE DETECTABLE WARNING SURFACE AND THE ADJACENT WALKING SURFACE. WHERE ADJACENT WALKING SURFACES ARE COLORED OR ARE CONSTRUCTED WITH MATERIALS OTHER THAN STANDARD CLASS I PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH SECTION 522 OF THE STANDARD SPECIFICATIONS, THE PLANS MUST PROVIDE FOR DETECTABLE WARNING SURFACE COLORS OR MATERIALS THAT PROVIDE THE NECESSARY CONTRAST, EITHER DARK-ON-LIGHT OR LIGHT-ON-DARK.

PUBLIC SIDEWALK CURB RAMPS
(GENERAL AND DESIGN NOTES)

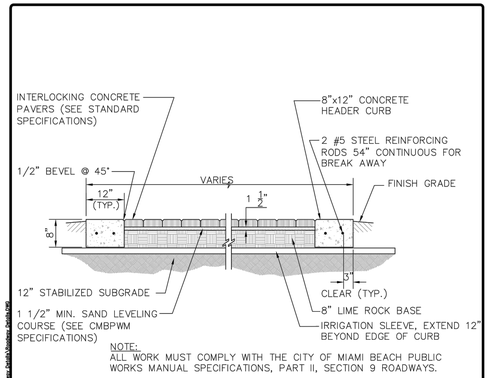
MIAMIBEACH PUBLIC WORKS DEPARTMENT 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139 | APPROVED 10/1/2004 | REVISED 05/27/2004, 12/2006 | TITLE: ROADWAY DETAILS NO.2 PUBLIC SIDEWALK CURB RAMPS (GENERAL AND DESIGN NOTES) | RS15



NOTE:
ALL WORK MUST COMPLY WITH THE CITY OF MIAMI BEACH PUBLIC WORKS MANUAL SPECIFICATIONS, PART II, SECTION 9 ROADWAYS.

SPECIAL CONCRETE PAVER CROSSWALK SECTION
N.T.S.

MIAMIBEACH PUBLIC WORKS DEPARTMENT 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139 | APPROVED 12/18/2002 | REVISED 05/12/2003, 12/2006, 06/26/2012 | TITLE: ROADWAY DETAILS NO.3 SPECIAL CONCRETE PAVER CROSSWALK SECTION | RS26



NOTE:
ALL WORK MUST COMPLY WITH THE CITY OF MIAMI BEACH PUBLIC WORKS MANUAL SPECIFICATIONS, PART II, SECTION 9 ROADWAYS.

TYPICAL PAVER WALKWAY IN AREAS OUT OF ROADWAY
N.T.S.

MIAMIBEACH PUBLIC WORKS DEPARTMENT 1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL 33139 | APPROVED 06/26/2008 | REVISED | TITLE: ROADWAY DETAILS NO.3 TYPICAL PAVER WALKWAY IN AREAS OUT OF ROADWAY | RS27

100% SET

MIAMIBEACH
1700 CONVENTION CENTER DRIVE, MIAMI BEACH, FL.33139

NEIGHBORHOOD:
WEST AVENUE IMPROVEMENTS PHASE II NORTH OF 14 STREET

TITLE:
ROADWAY DETAILS

SSA SCHWEBKE SHISKIN & ASSOCIATES
FILE NO.: AJ-5717

CITY MANAGER: ALINA T. HUDAK
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