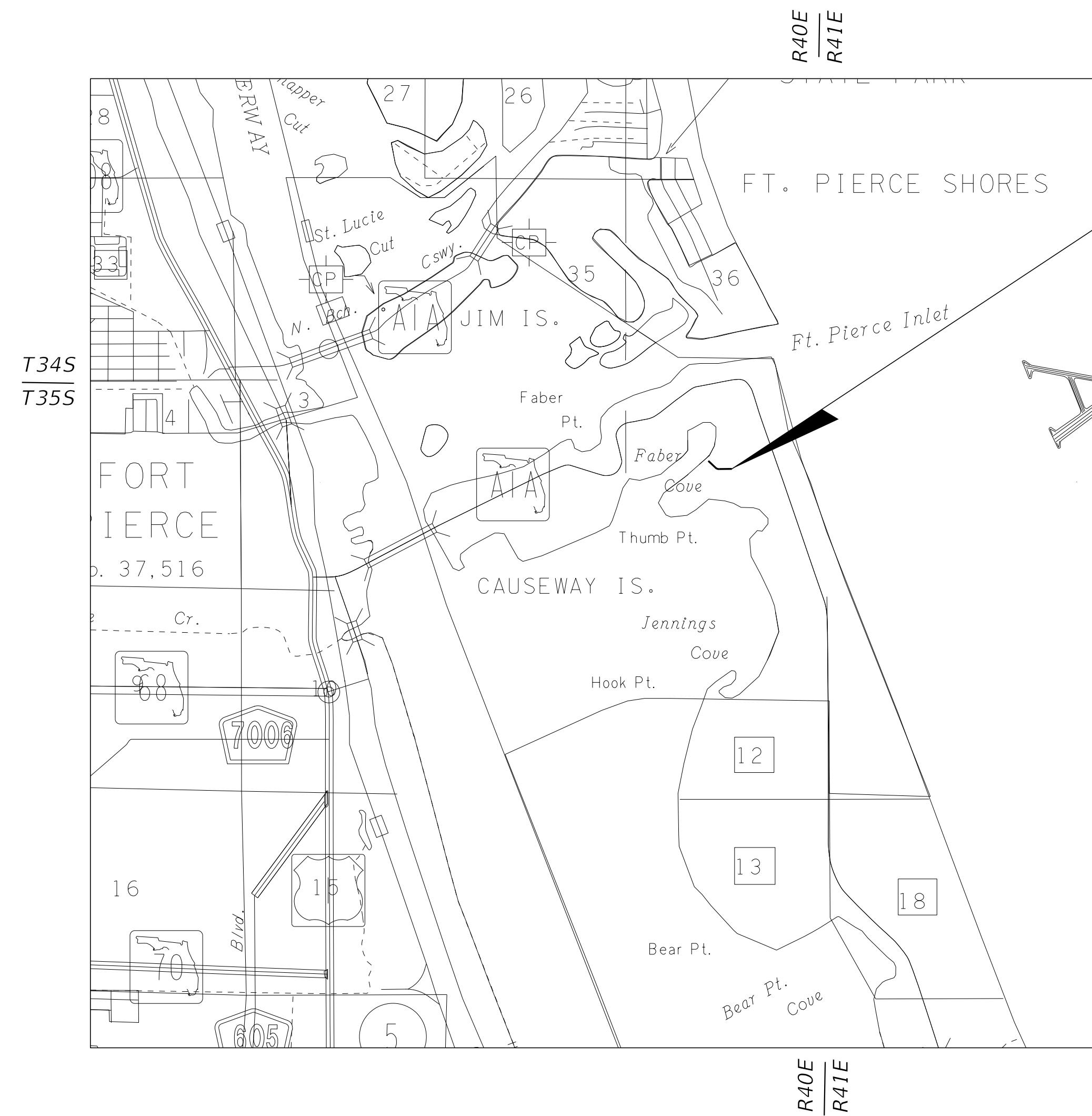
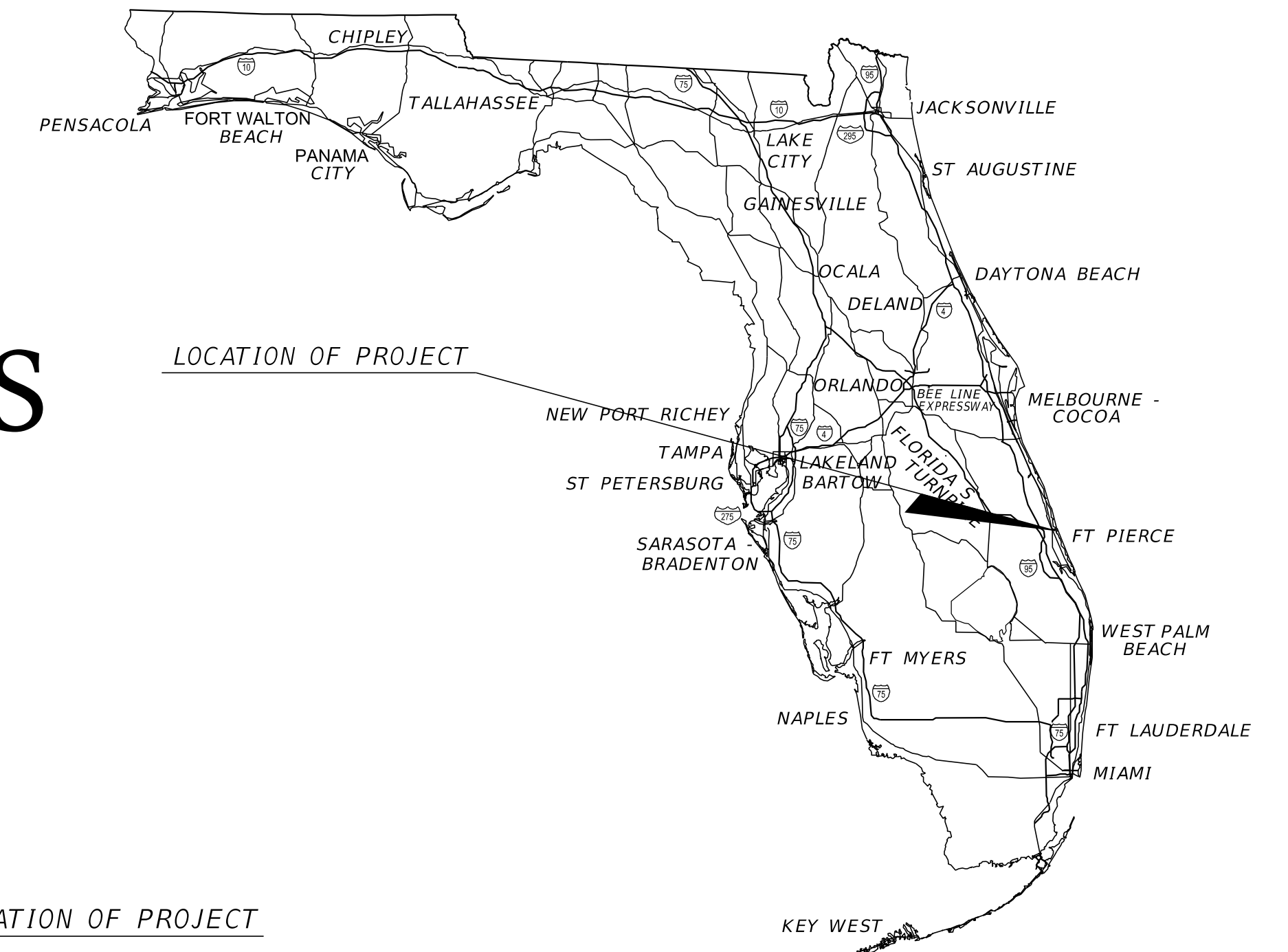


# CONTRACT PLANS

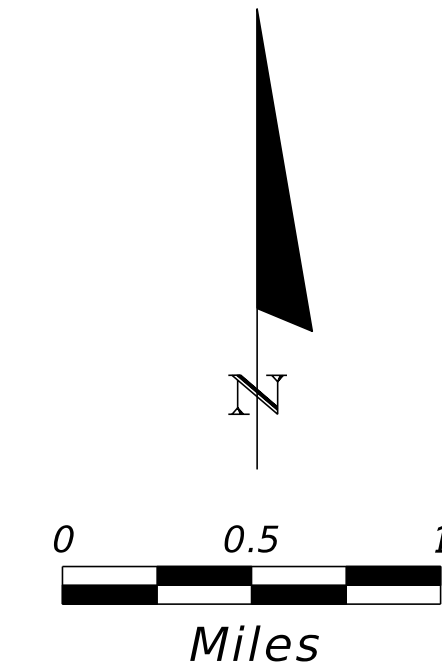
## FRANCES AVENUE ROADWAY IMPROVEMENTS

### INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	TYPICAL SECTION
4	GENERAL NOTES
5	SUMMARY OF PAY ITEMS
6	PLAN LAYOUT
7-8	PLAN & PROFILE
9	SUMMARY OF TURNOUTS
10	MISCELLANEOUS DETAILS
11-22	CROSS SECTIONS
23	SIGNING AND MARKING



LOCATION OF PROJECT



ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:  
KIMLEY-HORN AND ASSOCIATES, INC.  
MICHAEL C. FORMAN, P.E.  
445 24th STREET, SUITE 200  
VERO BEACH, FLORIDA 32960

PLANS PREPARED BY:  
**Kimley»Horn**  
445 24th STREET, SUITE 200  
VERO BEACH, FL 32960  
TEL (772) 794-4100  
PROJECT NUMBER: 047922024  
REGISTRY NO. 696

ROADWAY PLANS  
ENGINEER OF RECORD: MICHAEL C. FORMAN, P.E.

P.E. NO.: 85367

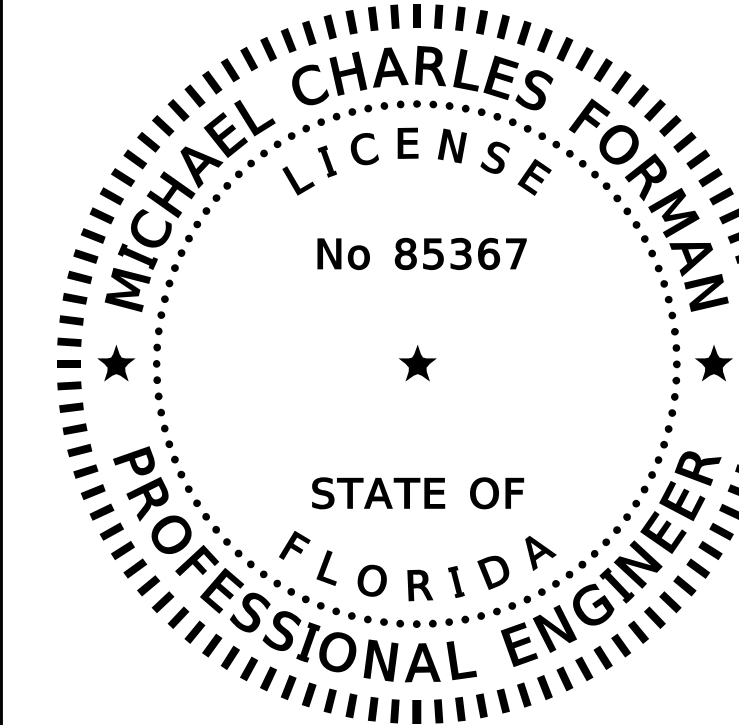
NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

**100% PLANS  
MARCH 2024**

**PREPARED FOR:  
CITY OF FORT PIERCE**

SHEET  
NO.

1



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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

MICHAEL C. FORMAN, P.E.  
P.E. LICENSE NUMBER 85367  
445 24th STREET, SUITE 200  
VERO BEACH, FL 32960  
(772) 794-4100  
REGISTRY No. 35106

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

FRANCES AVENUE ROADWAY IMPROVEMENT PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	TYPICAL SECTION
4	GENERAL NOTES
5	SUMMARY OF PAY ITEMS
6	PLAN LAYOUT
7-8	PLANS AND PROFILE
9	SUMMARY OF TURNOUTS
10	MISCELLANEOUS DETAILS
11-22	CROSS SECTIONS
23	SIGNING AND MARKING

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



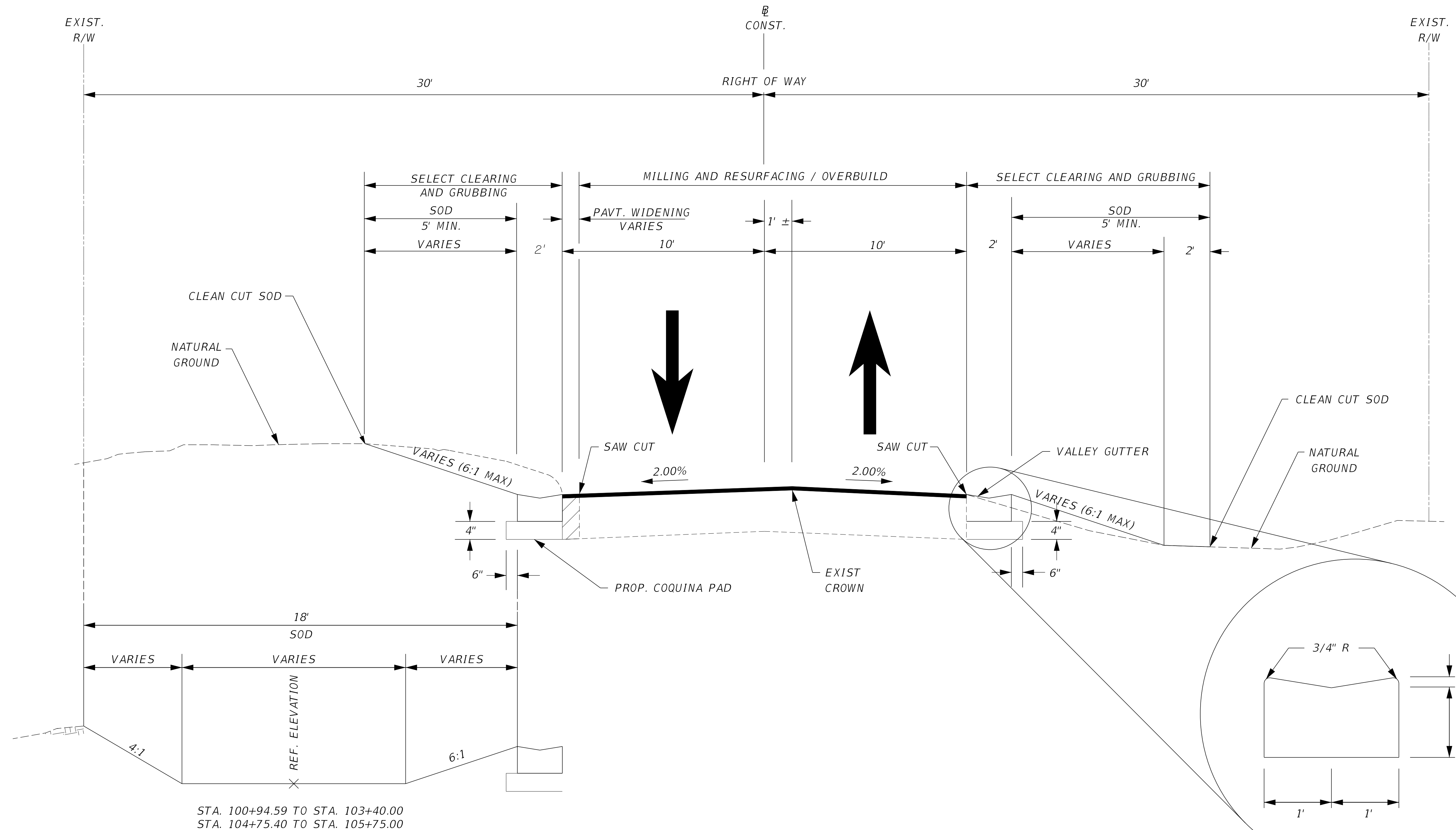
MICHAEL C. FORMAN, P.E.  
P.E. LICENSE NUMBER 85367  
445 24th STREET, SUITE 200  
VERO BEACH, FL 32960  
(772) 794-4100  
REGISTRY No. 35106

CITY OF  
**FORT PIERCE**  
FRANCES AVENUE  
ROADWAY IMPROVEMENTS

*SIGNATURE SHEET*

SHEET NO.

2



**MILLING**  
MILL EXISTING ASPHALT PAVEMENT (1.0" AVG. DEPTH)

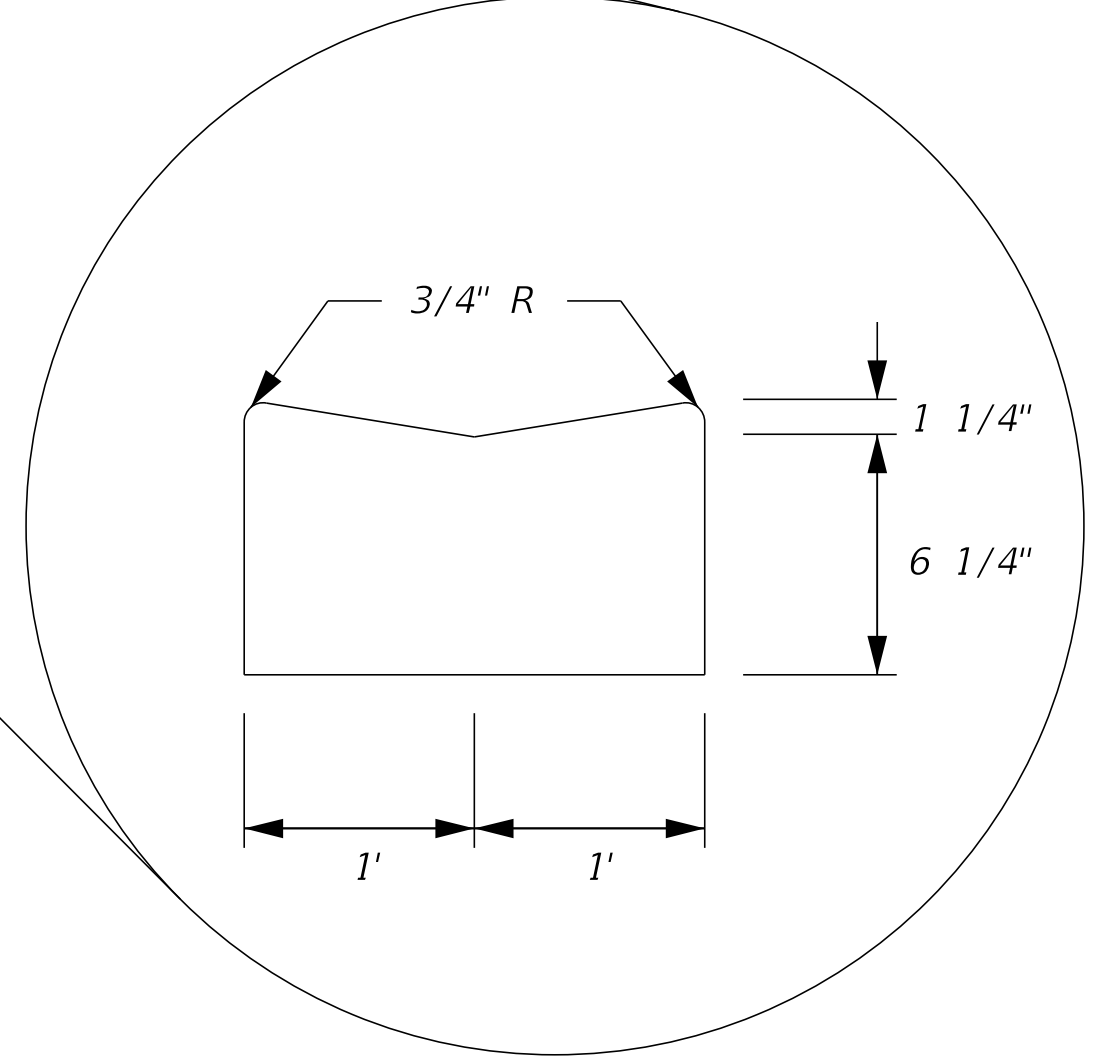
**PAVEMENT OVERBUILD**  
TYPE SP-12.5 STRUCTURAL COURSE (TRAFFIC C) (VAR. 0" - 4.80")

**RESURFACING**  
TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC C) (1.0")

**PAVEMENT WIDENING / RECONSTRUCTION**  
TYPE SP-9.5 STRUCTURAL COURSE (TRAFFIC C) (1.0" MIN)  
TYPE B-12.5 STRUCTURAL COURSE (TRAFFIC C) (10.5")

POSTED SPEED = 30 MPH  
DESIGN SPEED = 35 MPH

**FRANCES AVENUE**  
STA. 101+84.46 TO STA. 106+22.34



VALLEY GUTTER DETAIL

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
4/11/2024	bradley.mof		1:23:07 PM		

**Kimley»Horn**  
MICHAEL C. FORMAN, P.E.  
P.E. LICENSE NUMBER 85367  
445 24th STREET, SUITE 200  
VERO BEACH, FL 32960  
(772) 794-4100  
REGISTRY No. 35106

**CITY OF FORT PIERCE**  
**FRANCES AVENUE**  
**ROADWAY IMPROVEMENTS**

**TYPICAL SECTION**

SHEET NO.  
3

## GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OF FORT PIERCE, FLORIDA STANDARD CONTRACT DOCUMENTS AND SPECIFICATIONS FOR PUBLIC WORK PROJECTS, LATEST ISSUE.

2. CONSTRUCTION DETAILS SHALL BE IN ACCORDANCE WITH STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS, LATEST ISSUE.

3. THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH BIDS WILL BE BASED.

4. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND OTHER FEATURES AFFECTING HIS/HER WORK PRIOR TO CONSTRUCTION, AND NOTIFY THE CITY OF FORT PIERCE, ENGINEERING DEPARTMENT IMMEDIATELY WHEN CONFLICT BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED. THE CONTRACTOR SHALL WORK AS NEEDED TO AVOID CONFLICT WITH EXISTING UTILITIES (NO ADDITIONAL COST SHALL BE PAID FOR THIS WORK). EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE UTILITY OWNER.

PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES, STRUCTURES, CONDUITS AND/OR SUB-GRADE SHALL BE PERFORMED FOURTEEN DAYS IN ADVANCE OF ITS CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE CITY WITH A FOURTEEN DAY ADVANCE NOTICE OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. PAYMENT FOR PRE-TRENCHING, SURVEY, AND BACKFILLING SHALL BE INCLUDED IN THE UNIT COST OF THE RELATED BID ITEM FOR WORK BEING DONE.

5. THE CONTRACTOR SHALL COORDINATE WITH UTILITIES TO ARRANGE RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURES, ETC. AS NECESSARY TO COMPLETE THE WORK.

6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY AND ALL EXISTING UTILITIES ON THIS PROJECT. THE CONTRACTOR WILL RECEIVE NO DIRECT PAYMENT TO SUPPORT AND/OR PROTECT ANY AND ALL UTILITIES. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT COST OF THE RELATED BID ITEM FOR WORK BEING DONE.

7. THE CONTRACTOR SHALL GIVE AT LEAST 48 HOURS NOTICE TO UTILITY COMPANIES TO PROVIDE FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION. CONTACT UTILITIES NOTIFICATION CENTER AT 1-800-432-4770.

8. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL APPLICABLE CONSTRUCTION PERMITS PRIOR TO START OF CONSTRUCTION.

9. THE CONTRACTOR SHALL NOTIFY THE CITY OF FORT PIERCE, ENGINEERING DEPARTMENT AND CITY'S FIELD REPRESENTATIVE, AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

10. THE CONTRACTOR SHALL CONTACT THE CITY OF FORT PIERCE, ENGINEERING DEPARTMENT AND CITY'S FIELD REPRESENTATIVE IMMEDIATELY OF ANY CONFLICT ARISING DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS.

11. B.M. DATA IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

ANY NAVD 88 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF BEING DAMAGED, NOTIFY:  
 GEODETIC INFORMATION CENTER  
 ATTN: MARK MAINTENANCE SECTION N/CG-162  
 6001 EXECUTIVE BLVD.  
 ROCKVILLE MARYLAND 20852

12. EXISTING SECTION CORNERS AND ¼ SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION USING REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA.

13. STORM SEWER PIPE LENGTHS SHOWN ARE APPROXIMATE, AND MAY BE ADJUSTED AS REQUIRED UPON APPROVAL BY THE CITY OF FORT PIERCE, ENGINEERING DEPARTMENT.

14. INSTALLATION OF ALL STORM SEWERS, INLETS, MANHOLES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF FORT PIERCE, ENGINEERING DEPARTMENT AS INDICATED ON THE DRAWINGS. ALL REINFORCED CONCRETE PIPE SHALL BE CLASS III PIPE.

15. ALL CATCH BASINS AND PIPE INVERTS SHALL BE AS INDICATED ON THE DRAWINGS.

16. CONTRACTOR SHALL ADJUST ALL UTILITY LIDS AND COVERS TO FINISHED GRADE AS REQUIRED.

17. ALL COMPLETED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM CONTAMINATION BY SILT AND CONSTRUCTION DEBRIS. THE CONTRACTOR SHALL PLACE PLYWOOD ON, OR FILTER FABRIC BETWEEN FRAME AND INLET GRATE UNTIL CONSTRUCTION OPERATIONS ARE COMPLETED. ALL DRAINAGE STRUCTURES (EXISTING AND PROPOSED) WITHIN PROJECT LIMITS SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT COST OF THE RELATED BID ITEM FOR WORK BEING DONE.

18. ALL ROAD CROSSINGS ARE OPEN CUT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

19. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZING EARTH, DRIVEWAYS, SIDEWALKS, ETC. WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE CITY OF FORT PIERCE FIELD ENGINEER.

20. THE CONTRACTOR SHALL NOT ENCROACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT WITHOUT WRITTEN PERMISSION FROM THE PROPERTY OWNER.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE, REMOVAL OR MODIFICATION, ACCIDENTALLY OR PURPOSELY, CAUSED TO ANY IRRIGATION SYSTEMS, PRIVATE OR PUBLIC. THE CONTRACTOR SHALL REPLACE ANY DAMAGED, REMOVED, OR MODIFIED IRRIGATION PIPES, SPRINKLER HEADS OR OTHER PERTINENT APPURTENANCES AT NO ADDITIONAL COST.

22. REGARDING MAIL BOXES, WALLS, FENCES, SECURITY GATE TRACKING, OR OTHER PRIVATE PROPERTY OR IMPROVEMENTS THAT SHALL BE TEMPORARILY RELOCATED AND REPLACED, THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE OWNER. ANY AND ALL COSTS ASSOCIATED WITH COORDINATING, REMOVING, AND REPLACING ANY PROPERTY ITEMS SHALL BE INCLUDED IN THE UNIT COST OF THE RELATED BID ITEM FOR WORK BEING DONE.

23. CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH FDOT INDEX 600 SERIES, MUTCD AND THESE PLANS. THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES VEHICULAR AND PEDESTRIAN ACCESS TO ALL RESIDENCES AND/OR BUSINESS.

24. NO TREES ARE TO BE REMOVED OR RELOCATED WITHOUT PRIOR APPROVAL FROM THE CITY OF FORT PIERCE FIELD ENGINEER (CITY PERMIT REQUIRED FOR ANY TREE REMOVAL).

25. COMPLETE 'AS-BUILT' INFORMATION RELATIVE TO LOCATION, SIZE AND DEPTH OF NEW PIPES, MANHOLES, INLETS, ETC., SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR AND SUBMITTED (SIGNED AND SEALED BY A FLORIDA CERTIFIED P.L.S.) TO THE CITY OF FORT PIERCE, ENGINEERING DEPARTMENT PRIOR TO FINAL ACCEPTANCE OF THE WORK. ALL RECORD INFORMATION ON EXISTING UTILITY CROSSINGS ENCOUNTERED DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO PIPES, INLETS, MANHOLE, ETC., SHALL BE RECORDED BY A FLORIDA REGISTERED SURVEYOR AND SHOWN ON THE RECORD DRAWINGS. THE COST OF SIGNED AND SEALED AS-BUILTS SHALL BE INCLUDED IN OVERALL BID AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF AND MAKING THE REPAIRS OF EXISTING PAVEMENT, SIDEWALKS, PIPES, CONDUITS, CURBS, CABLES, ETC., WHETHER OR NOT SHOWN ON THE PLANS DAMAGED AS A RESULT OF THE CONTRACTORS OPERATIONS AND/OR THOSE OF HIS SUBCONTRACTORS, AND SHALL RESTORE THEM PROMPTLY AT NO ADDITIONAL EXPENSE TO THE OWNER OR THE CITY OF FORT PIERCE. CONTRACTOR SHALL REPORT ANY DAMAGE TO SIDEWALK, DRIVEWAY, ETC., PRIOR TO BEGINNING WORK IN ANY AREA.

27. ALL DRAINAGE PIPES SHALL BE APPROVED BY CITY OF FORT PIERCE ENGINEERING DEPARTMENT. THE CONTRACTOR SHALL CONSTRUCT A FILTER FABRIC JACKET AT ALL PROPOSED STORM SEWER JOINTS AS PER FDOT INDEX 280. COST OF FILTER FABRIC JACKET SHALL BE INCLUDED IN UNIT PIPE COSTS.

28. EXISTING DRAINAGE STRUCTURES AND CULVERTS ARE TO REMAIN UNLESS OTHERWISE NOTED.

29. NO EXISTING BASE MATERIAL REMOVED IN EXCAVATION SHALL BE REUSED AS PROPOSED BASE MATERIAL.

30. STAGING AND MATERIAL STORAGE SHALL NOT BE CONDUCTED ON ABUTTING PRIVATE PROPERTY WITHOUT WRITTEN APPROVAL FROM THE OWNER. STAGING AND STORAGE SHALL BE CONDUCTED WITHIN PUBLIC R/W AND/OR CONSTRUCTION EASEMENTS (ACCESS LICENSE AGREEMENTS).

31. EXISTING UTILITY CONTACT INFORMATION:

UTILITY COMPANY	CONTACT	PHONE NUMBER	ADDRESS
AT&T	DINO FARRUGGIO	561-683-2729	6628 LAKESLIDE ROAD, WEST PALM BEACH, FL 33411
COMCAST CABLE	MICHAEL CONNELL	954-789-9762	3960 RCA BLVD SUITE 6002, PALM BEACH GARDENS, FL 33410
CITY OF FORT PIERCE	VENETIA BARNES	772-467-3783	100 N US HIGHWAY 1, FORT PIERCE, FL 34950
FORT PIERCE UTILITY AUTHORITY	LUGEY DAWSON	772-577-1375	P.O. BOX 3191, FORT PIERCE, FL 3498-3191

32. EROSION CONTROL MEASURES SHALL BE TAKEN BY CONTRACTOR DURING CONSTRUCTION AS PER FDOT STANDARDS:

- A. SILT FENCE SHALL BE INSTALLED ALONG THE ENTIRE PERIMETER OF THE PROJECT ADJACENT TO ANY SOIL DISTURBING ACTIVITIES.
- B. ALL DRAINAGE STRUCTURES ARE TO BE PROTECTED DURING CONSTRUCTION PER FDOT STANDARDS.
- C. ALL FENCING, GRADING, SIGNING AND SODDING SHALL BE MAINTAINED DURING THE CONTRACT LIFE. ALL DAMAGED WORK SHALL BE RESTORED AT NO COST TO THE CITY.

33. ALL EXISTING MAILBOXES WITHIN LIMITS OF CONSTRUCTION SHALL BE RELOCATED IN ACCORDANCE WITH CITY AND POSTAL CODES.

34. NON-STRUCTURAL CONCRETE UTILIZED IN CURB AND GUTTER, SIDEWALK AND URBAN FLARED TURNOUT CONSTRUCTION SHALL CONSIST OF 3000 PSI FIBER REINFORCED MIX.

### REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**Kimley»Horn**

MICHAEL C. FORMAN, P.E.  
 P.E. LICENSE NUMBER 85367  
 445 24th STREET, SUITE 200  
 VERO BEACH, FL 32960  
 (772) 794-4100  
 REGISTRY No. 35106

**CITY OF  
 FORT PIERCE  
 FRANCES AVENUE  
 ROADWAY IMPROVEMENTS**

**GENERAL NOTES**

SHEET NO.

4

*SUMMARY OF PAY ITEMS*

PAY ITEM NO.	DESCRIPTION	UNIT	PROJECT QUANTITY
<b>WAY IMPROVEMENTS</b>			
101-1	MOBILIZATION / DEMOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-2	PREVENTION, CONTROL, & ABATEMENT OF EROSION & WATER POLLUTION	LS	1
108-1	CONSTRUCTION LAYOUT / RECORD DRAWING	LS	1
110-1-1	STANDARD CLEARING & GRUBBING	LS	1
110-7-2	MAILBOX (REMOVE & RESET)	EA	8
120-1	REGULAR EXCAVATION	CY	216
120-6	REGULAR EMBANKMENT	CY	31
285-701	COQUINA CURB PAD (4" THICK)	SY	321
327-70-1	MILLING EXISTING ASPHALT PAVEMENT (1" AVERAGE DEPTH)	SY	1155
334-1-13A	SUPERPAVE ASPHALTIC CONCRETE (TYPE SP-9.5) (TRAFFIC C) (1")	TN	73
334-1-13B	SUPERPAVE ASPHALTIC CONCRETE (TYPE B-12.5) (TRAFFIC C) (10.5")	TN	111
334-1-13C	SUPERPAVE ASPHALTIC CONCRETE (TYPE SP-12.5 OVERBUILD) (TRAFFIC C)	TN	138
425-1-521	DITCH BOTTOM INLET (TYPE 'C') (<10')	EA	5
425-1-711	VALLEY GUTTER INLET (TYPE V) (P-BOTTOM <10')	EA	2
425-6	VALVE BOXES, ADJUST	EA	2
425-6-1	METER BOXES, ADJUST	EA	5
430-175-115	CONCRETE PIPE CULVERT (15")	LF	105
430-175-118	CONCRETE PIPE CULVERT (18")	LF	210
431-1-115	PIPE LINER (CURED IN PLACE) (15")	LF	134
520-3	VALLEY GUTTER - CONCRETE	LF	1129
522-2A	DRIVEWAY APRON CONCRETE (6" THICK w/ FIBER MESH) (3,000 PSI MIN.)	SY	201
526-1-101	DRIVEWAY APRON BRICK PAVERS	SY	22
570-1-2	PERFORMANCE TURF SOD (FLORATAM)	SY	1404
711-11-125	THERMOPLASTIC TRAFFIC STRIPING (WHITE) (24")	LF	24
711-15-201	THERMOPLASTIC TRAFFIC STRIPING (YELLOW) (6")	LF	200
1050-31-404	PVC WATER MAIN (4") (F&I)	LF	42
1050-15-002	WATER METER / SERVICE (ADJUST.)	LF	10

*PAY ITEM FOOTNOTES*

334-1-13X1 THE COST OF THE TACK COAT SHALL BE INCLUDED IN THE UNIT PRICE OF ASPHALT.  
 334-1-13X2  
 522-2X THE COST SHALL INCLUDE, BUT NOT LIMITED TO, COORDINATION WITH THE PROPERTY OWNER REGARDING DRIVEWAY RESTORATION.  
 1050-15-002 COST TO INCLUDE ALL MATERIAL AND LABOR NECESSARY TO ADJUST WATER SERVICE TO ACCOMMODATE PROPOSED DRAINAGE IMPROVEMENTS.

REVISIONS					 <small>MICHAEL C. FORMAN, P.E.                      P.E. LICENSE NUMBER 85367                      445 24th STREET, SUITE 200                      VERO BEACH, FL 32960                      (772) 794-4100                      REGISTRY No. 35106</small>	CITY OF FORT PIERCE FRANCES AVENUE ROADWAY IMPROVEMENTS	SUMMARY OF PAY ITEMS	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY				DESCRIPTION
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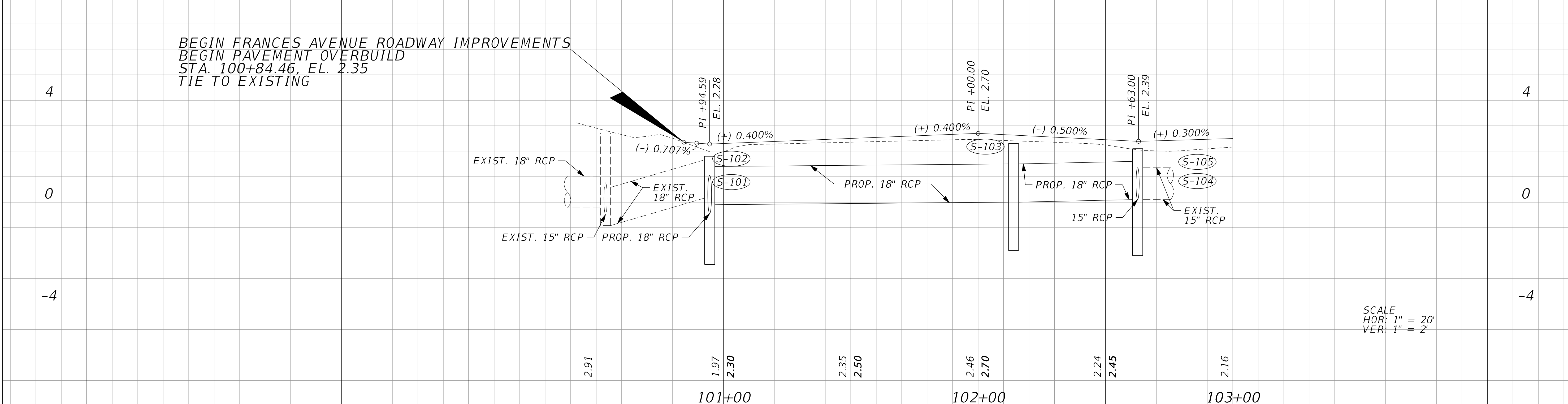
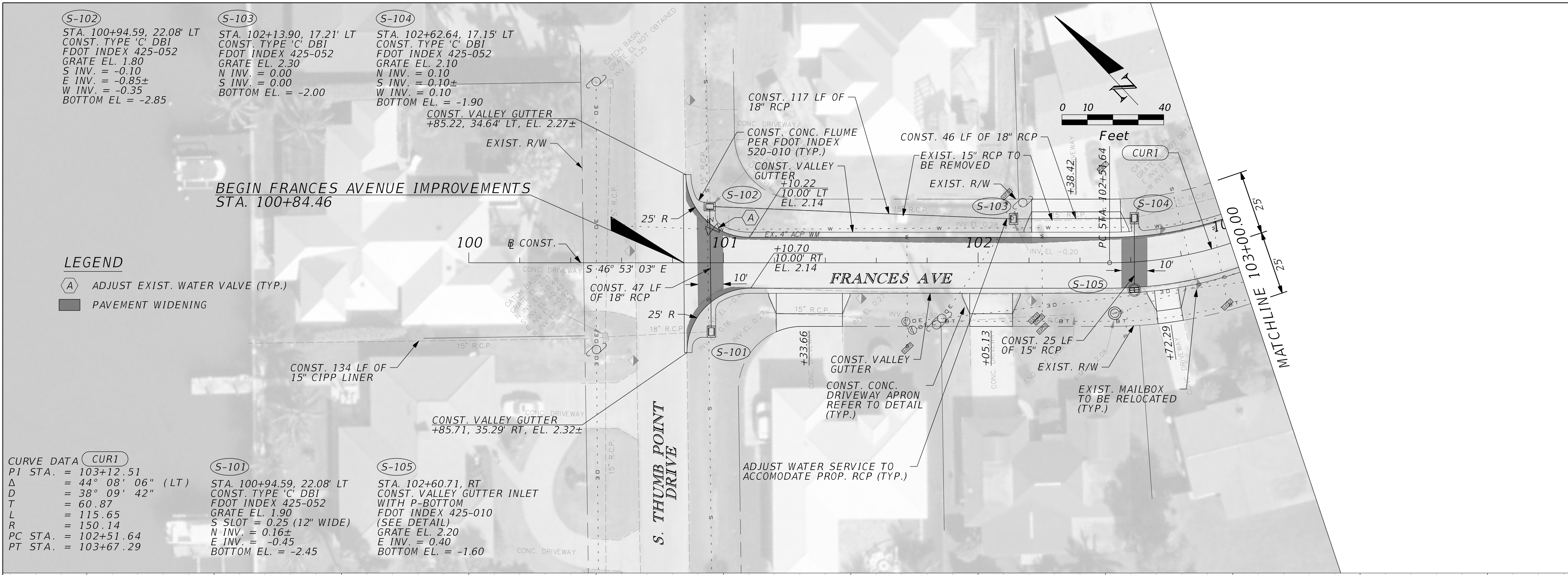
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**Kimley»Horn**  
 MICHAEL C. FORMAN, P.E.  
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**CITY OF  
 FORT PIERCE  
 FRANCES AVENUE  
 ROADWAY IMPROVEMENTS**

**PLAN LAYOUT**

**SHEET  
 NO.  
 6**



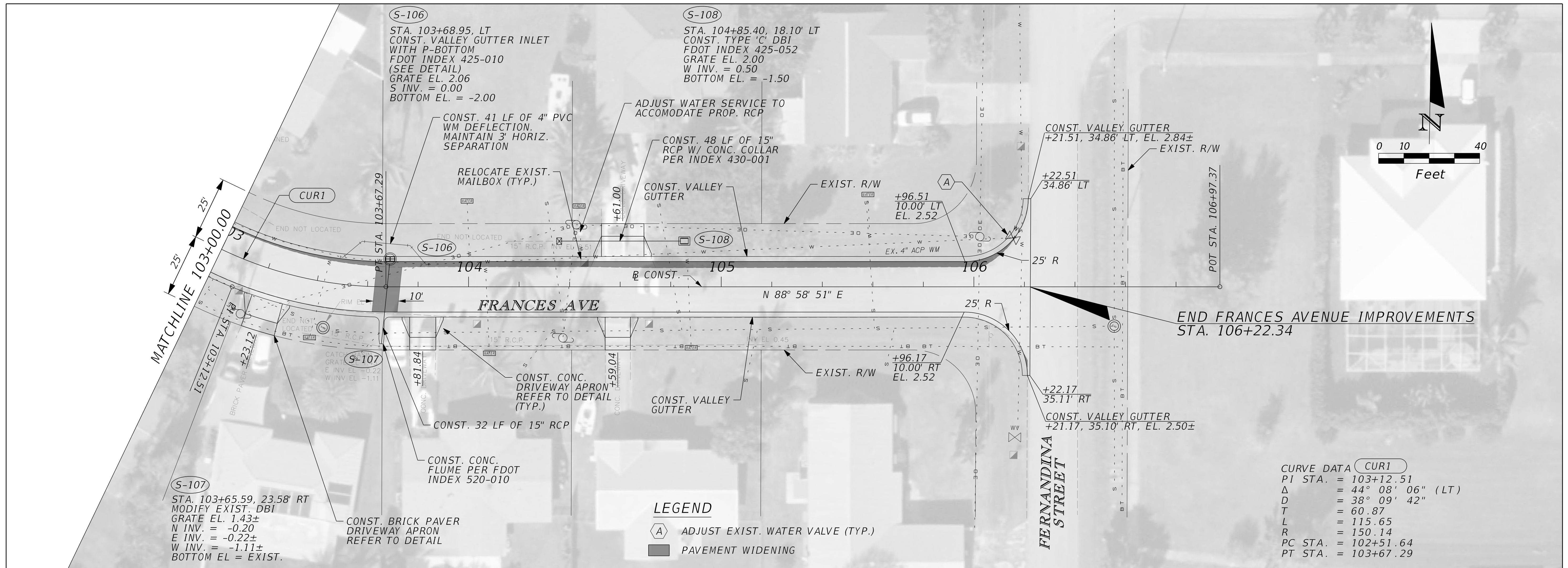
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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CITY OF  
**FORT PIERCE**  
 FRANCES AVENUE  
 ROADWAY IMPROVEMENTS

PLAN & PROFILE

SHEET  
 NO.  
 7



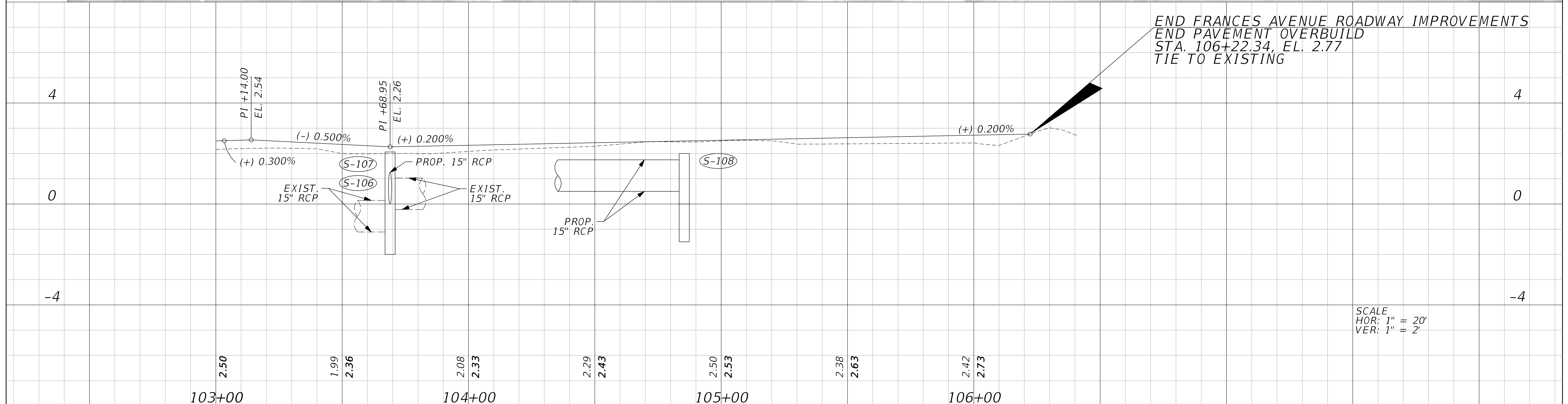
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Δ	= 44° 08' 06" (LT)
D	= 38° 09' 42"
T	= 60.87
L	= 115.65
R	= 150.14
PC STA.	= 102+51.64
PT STA.	= 103+67.29

**LEGEND**

(A) ADJUST EXIST. WATER VALVE (TYP.)

PAVEMENT WIDENING



SCALE  
 HOR: 1" = 20'  
 VER: 1" = 2'

REVISIONS				Kimley»Horn	CITY OF FORT PIERCE FRANCES AVENUE ROADWAY IMPROVEMENTS	PLAN & PROFILE	SHEET NO. 8
DATE	BY	DESCRIPTION	DESCRIPTION				
				MICHAEL C. FORMAN, P.E. P.E. LICENSE NUMBER 85367 445 24th STREET, SUITE 200 VERO BEACH, FL 32960 (772) 794-4100 REGISTRY No. 35106			

<b>SUMMARY OF DRIVEWAYS</b>						
STATION	SIDE	WIDTH (FT)	CONCRETE AREA (SY)		EXISTING DRIVEWAY MATERIAL	COMMENTS
			CONCRETE SIDEWALK (6" THICK)			
			PLAN	FINAL		
<b>FRANCES AVENUE</b>						
101+33.66	RT	26	44.4		CONCRETE	
102+05.13	RT	16.8	30.3		CONCRETE	
102+38.42	LT	35	55.1		CONCRETE	
102.72.29	RT	9.7	20.2		CONCRETE	
103+23.12	RT	12.6	25.6		BRICK PAVER	526-1-101
103+81.84	RT	10.3	20.9		CONCRETE	
104+59.04	RT	10	20.4		CONCRETE	
104+61.00	LT	16.8	30.3		CONCRETE	
<b>SUB-TOTAL</b>			<b>247.2</b>			

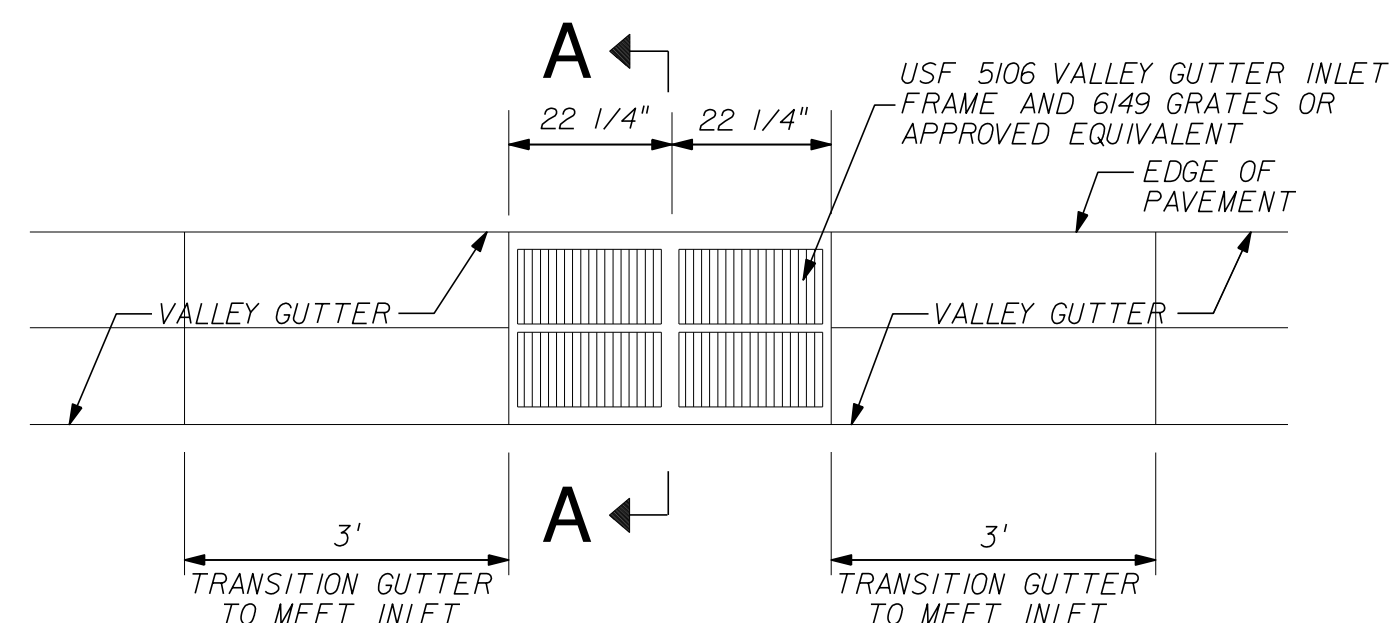
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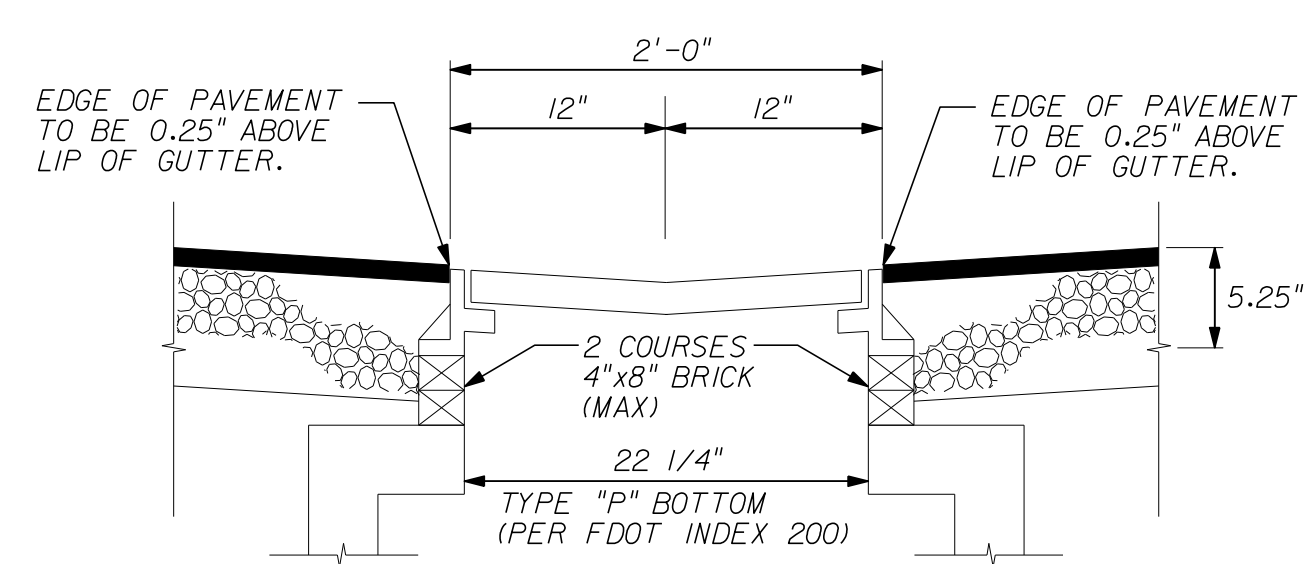
*CITY OF  
FORT PIERCE  
FRANCES AVENUE  
ROADWAY IMPROVEMENTS*

*SUMMARY OF TURNOUTS*

SHEET NO.  
9



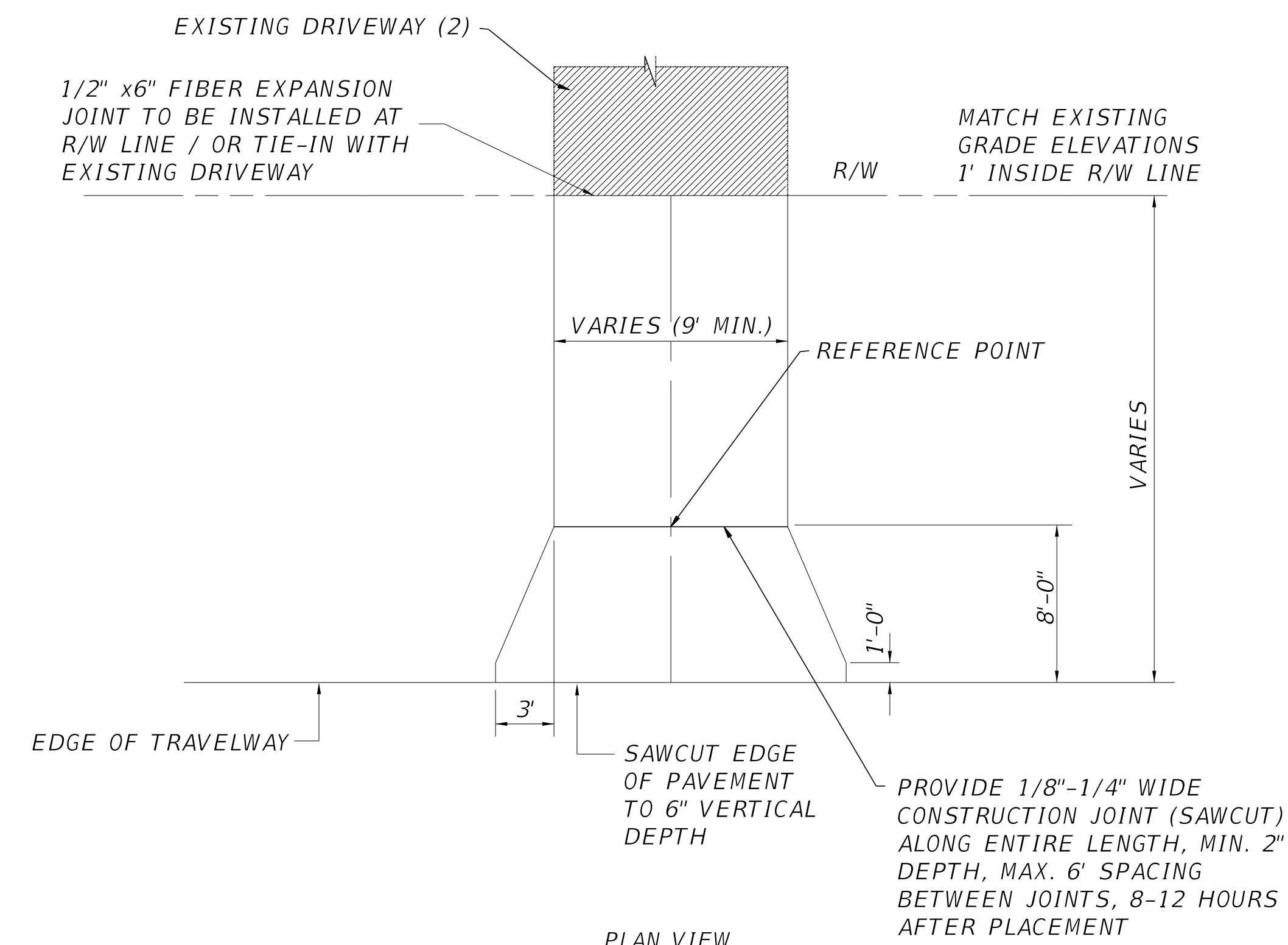
PLAN



SECTION A-A

VALLEY GUTTER INLET DETAIL

N.T.S.



PLAN VIEW

PROPOSED CONCRETE DRIVEWAY DETAIL

(EXISTING ELEVATION AT PROPOSED R/W > ELEVATION OF EDGE OF PROPOSED PAVEMENT)

NOTES:

1. SURFACE SPECIFICATIONS:  
A. CONCRETE DRIVEWAY EXTENDING INTO RIGHT-OF-WAY OR PUBLIC EASEMENT SHALL BE A MINIMUM OF 6" THICK, 3000 P.S.I. CONCRETE INCORPORATING A FLARE AS SHOWN IN THE PLAN VIEW. CONCRETE WITH FIBER MESH @ 1.5LB/CY. SUBGRADE SHALL BE 12" SAND OR OTHER APPROVED MATERIAL COMPACTED TO 98% AASHTO T-180 MAXIMUM DENSITY.
2. EXISTING HARDSCAPE IMPROVED DRIVEWAY;  
THE CITY DESIRES TO MATCH EXISTING HARDSCAPE IMPROVED DRIVEWAYS (IE. PAVERS, STAMPED CONCRETE, EPOXY BONDED AGGREGATE, SPECIAL AGGREGATE MIX, ETC. WHEN RECONSTRUCTING THESE DRIVEWAYS WITHIN THE CITY RIGHT-OF-WAY.
3. RIGHT-OF-WAY RESTORATION;  
A. REQUIREMENT: AS GOOD OR BETTER THAN CONDITION PRIOR TO CONSTRUCTION (INCLUDES ADJACENT AREAS). USE SOD AS NECESSARY. SOD MUST BE PLACED 1" BELOW THE ELEVATION AT EDGE OF PAVEMENT. ANY SOD PLACED ABOVE EDGE OF PAVEMENT ELEVATION WILL NOT BE APPROVED AT FINAL INSPECTION.  
B. DRAINAGE: DRAINAGE DITCHES DISTURBED DURING CONSTRUCTION SHALL BE GRADED IN SUCH A MANNER AS TO PROVIDE FOR RESTORATION OF THE FLOW LINE. THE CITY WILL NOT APPROVE THE FINAL INSPECTION IF THE PLACEMENT OF SOD PARTIALLY BLOCKS THE DRIVEWAY CULVERT. THE TOP OF THE SOD MUST MATCH THE INVERT OF THE CULVERT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			5-21-2019	Z.A.	KHA DESIGN REVISION

**Kimley»Horn**

MICHAEL C. FORMAN, P.E.  
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REGISTRY No. 35106

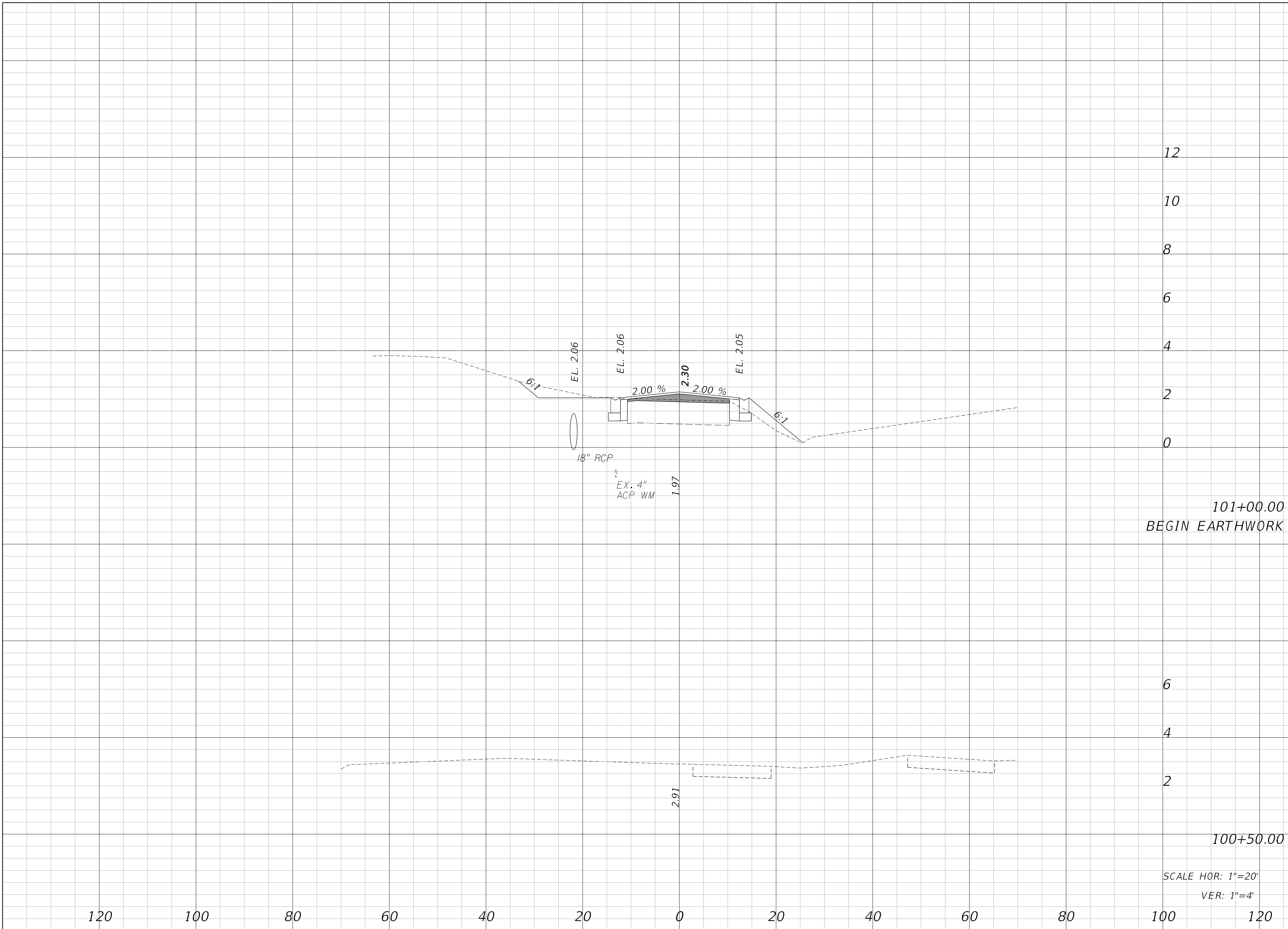
CITY OF  
FORT PIERCE  
FRANCES AVENUE  
ROADWAY IMPROVEMENTS

MISCELLANEOUS DETAILS

SHEET NO.

10

Regular		Exc.		Embankment	
A	V	A	V	A	V



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
4/11/2024	bradley.moff				

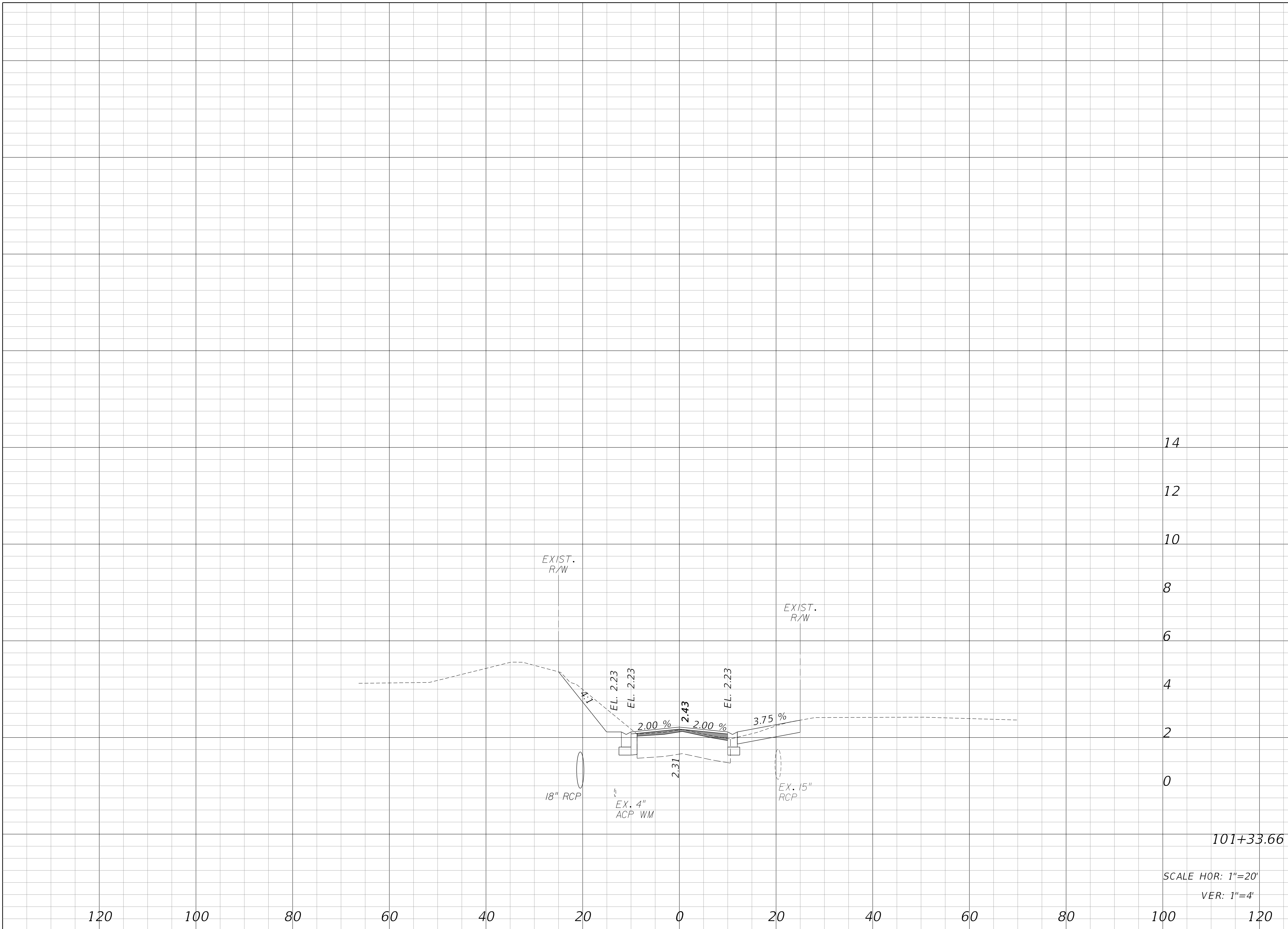
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**CITY OF  
 FORT PIERCE  
 FRANCES AVENUE  
 ROADWAY IMPROVEMENTS**

**FRANCES AVENUE  
 CROSS SECTIONS**

SHEET NO.  
 11

Regular		Exc.		Embankment	
A	V	A	V	A	V



14  
12  
10  
8  
6  
4  
2  
0

101+33.66

SCALE HOR: 1"=20'  
VER: 1"=4'

120      100      80      60      40      20      0      20      40      60      80      100      120

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

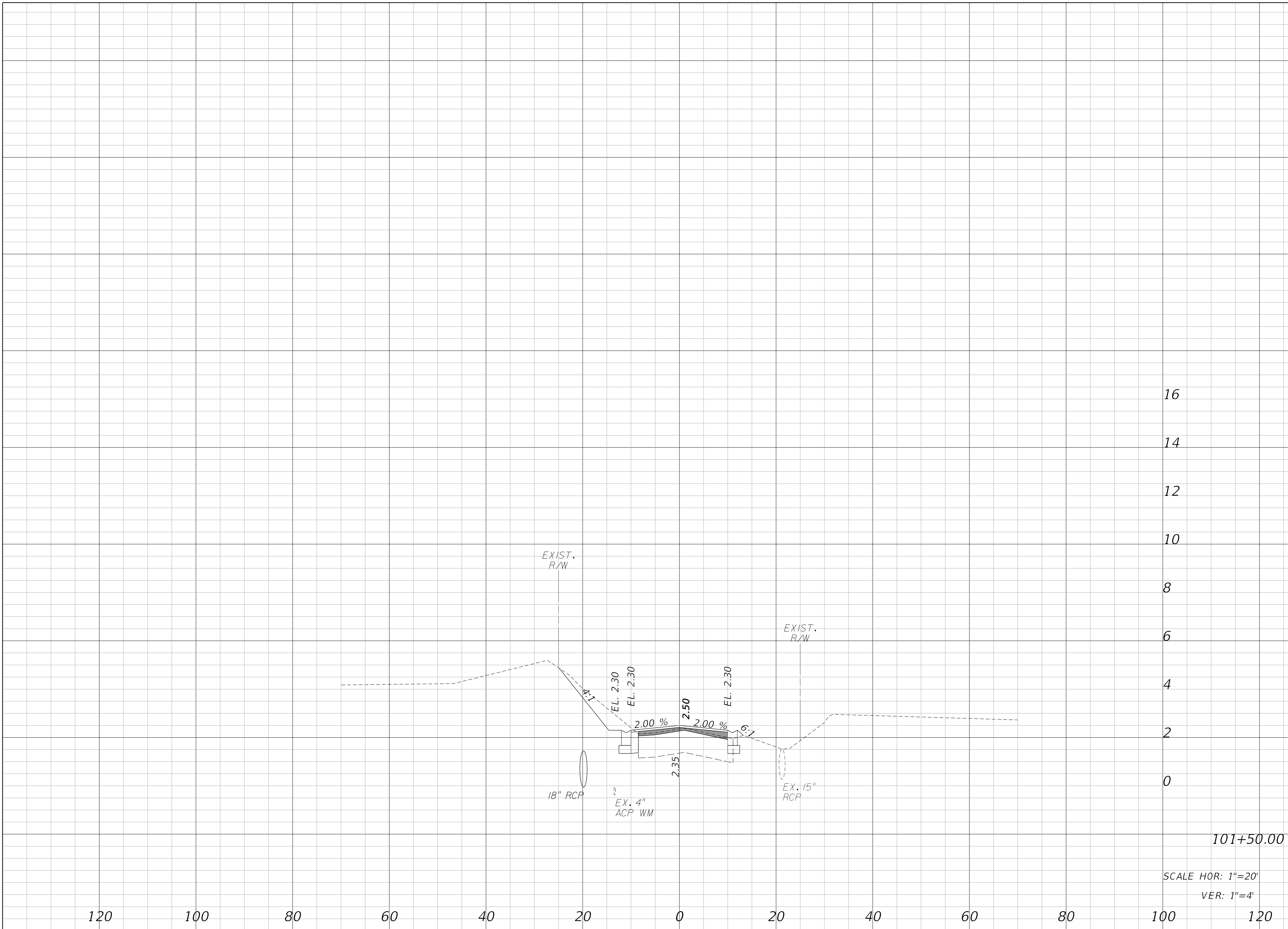
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**CITY OF  
 FORT PIERCE  
 FRANCES AVENUE  
 ROADWAY IMPROVEMENTS**

**FRANCES AVENUE  
 CROSS SECTIONS**

SHEET NO.  
12

Regular		Exc.		Embankment	
A	V	A	V	A	V



16  
14  
12  
10  
8  
6  
4  
2  
0  
101+50.00  
SCALE HOR: 1"=20'  
VER: 1"=4'

120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
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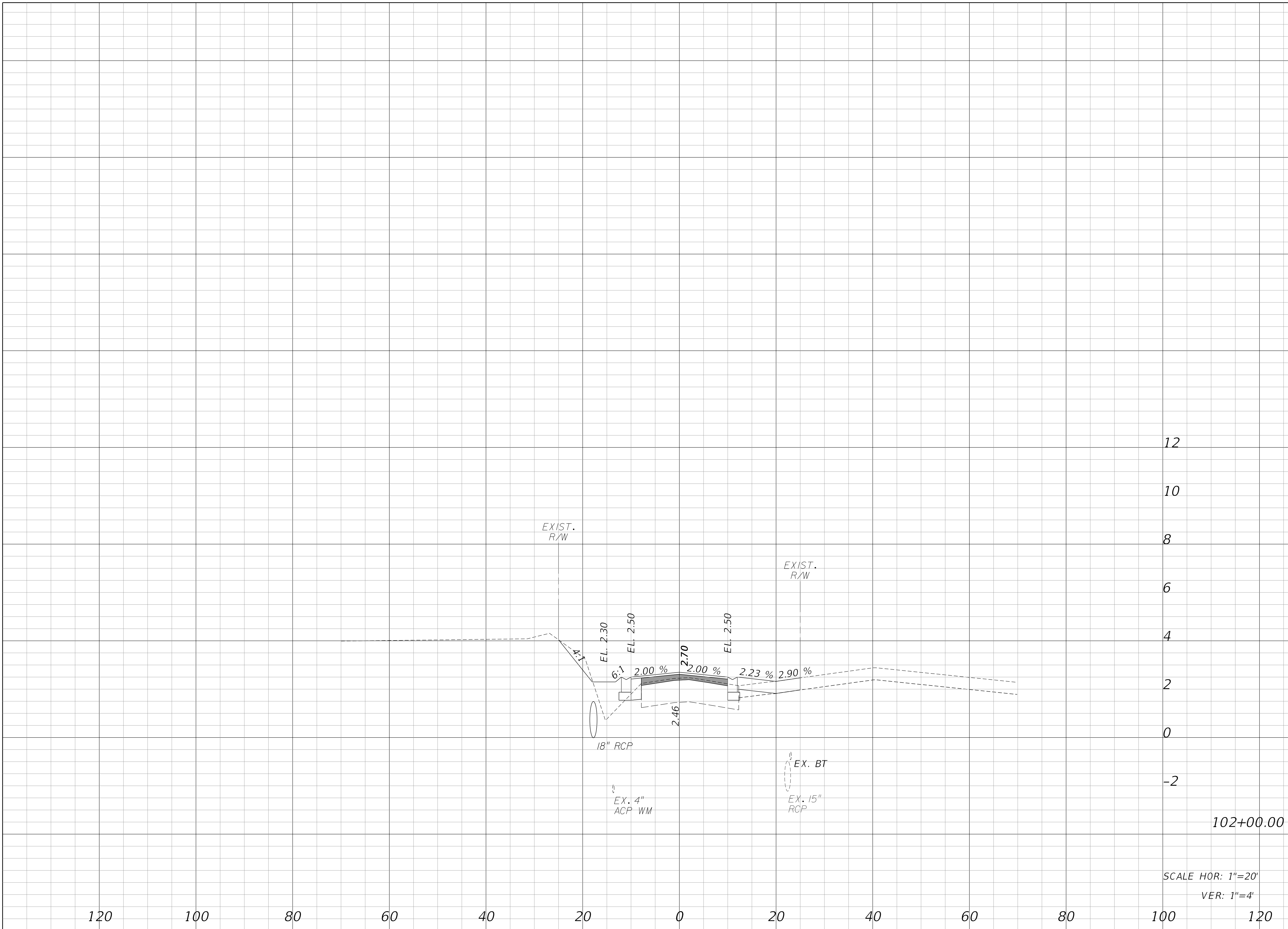
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**CITY OF  
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FRANCES AVENUE  
ROADWAY IMPROVEMENTS**

**FRANCES AVENUE  
CROSS SECTIONS**

SHEET NO.  
13

Regular		Exc.		Embankment	
A	V	A	V	A	V



SCALE HOR: 1"=20'  
VER: 1"=4'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

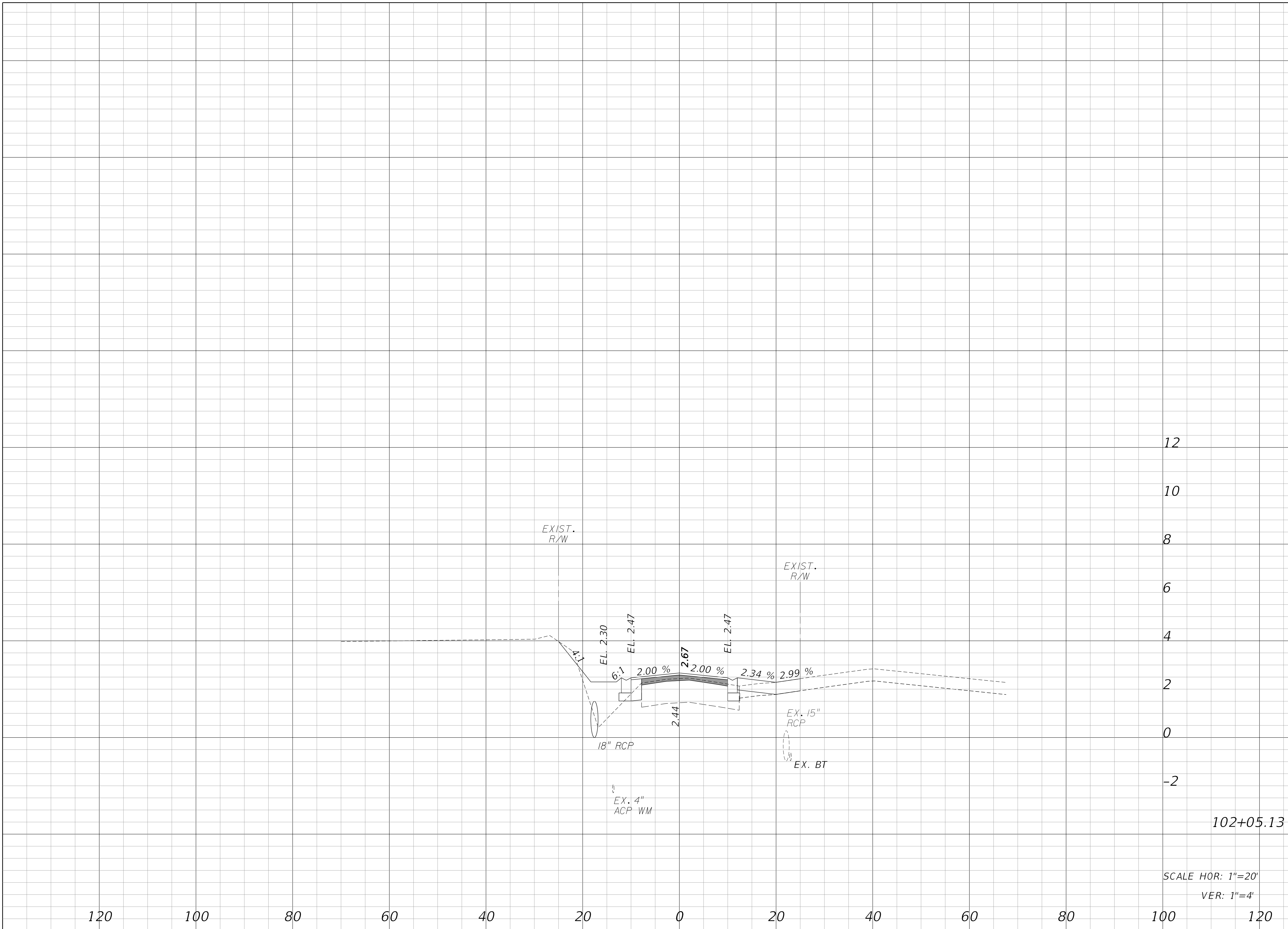
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FRANCES AVENUE  
ROADWAY IMPROVEMENTS**

**FRANCES AVENUE  
CROSS SECTIONS**

SHEET NO.  
14

Regular		Exc.		Embankment	
A	V	A	V	A	V



12  
10  
8  
6  
4  
2  
0  
-2  
102+05.13

SCALE HOR: 1"=20'  
VER: 1"=4'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

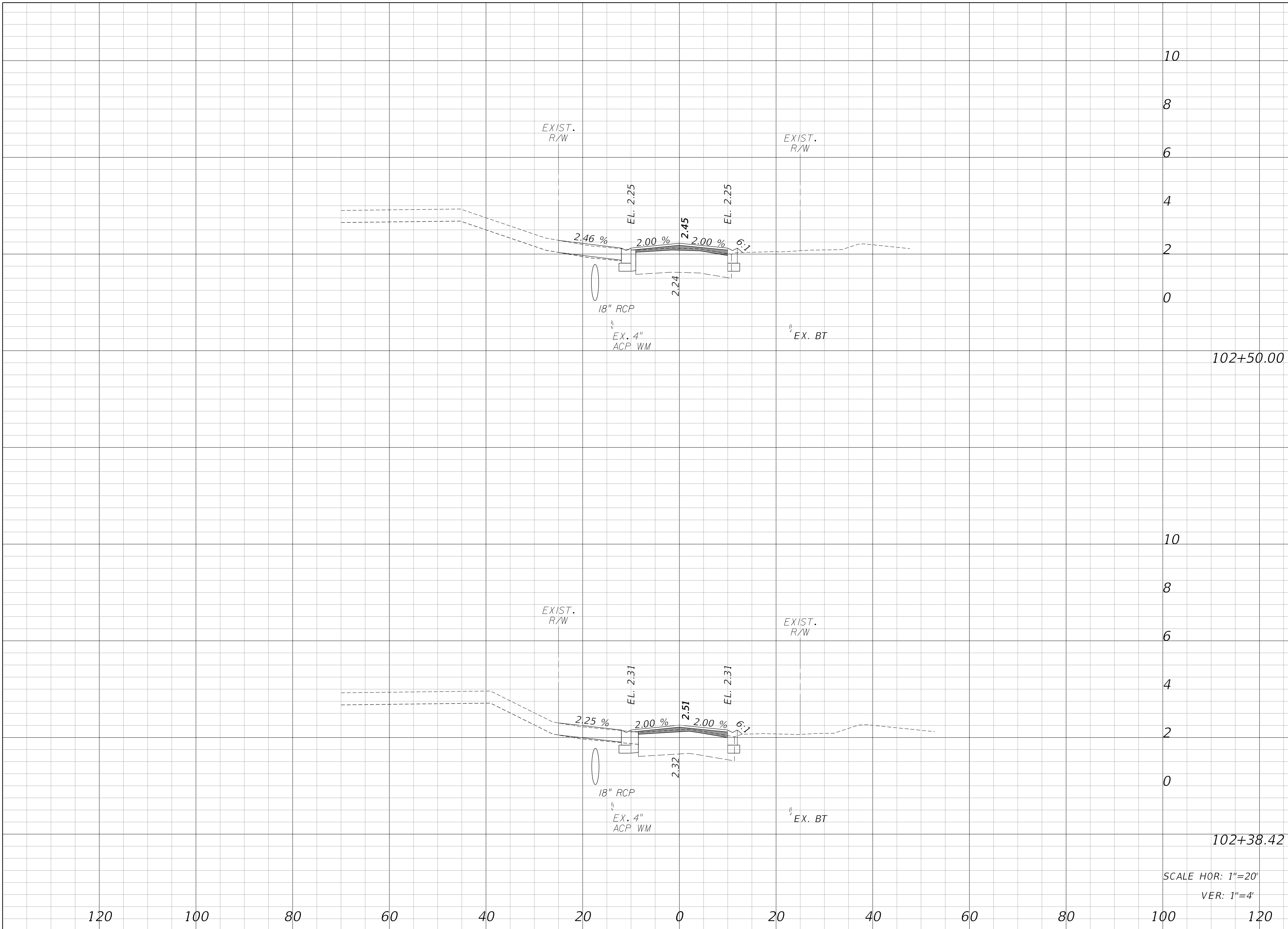
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**CITY OF  
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FRANCES AVENUE  
ROADWAY IMPROVEMENTS**

**FRANCES AVENUE  
CROSS SECTIONS**

SHEET NO.  
15

Regular		Exc.		Embankment	
A	V	A	V	A	V



SCALE HOR: 1"=20'  
VER: 1"=4'

REVISIONS					
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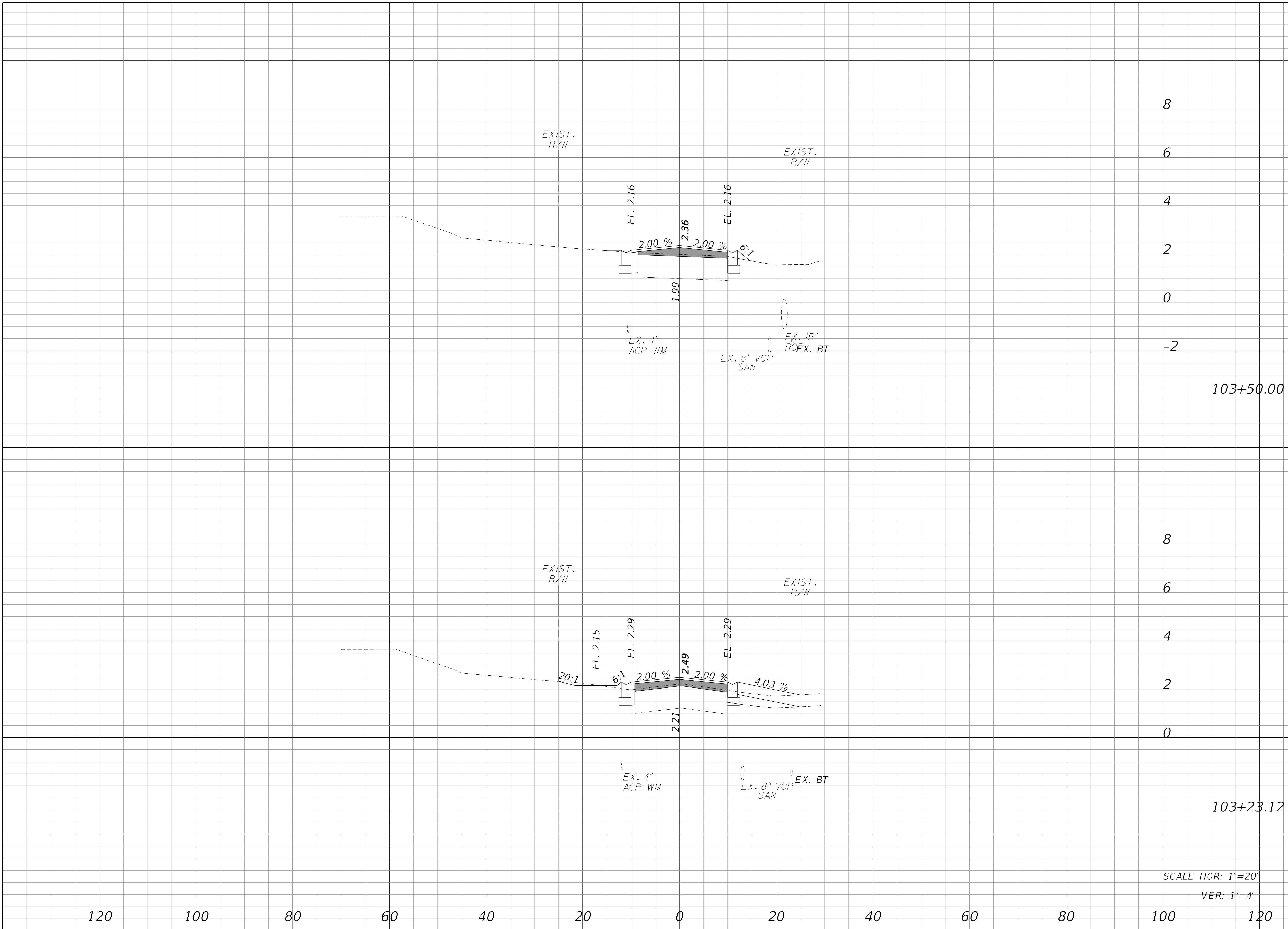
CITY OF  
**FORT PIERCE**  
**FRANCES AVENUE**  
**ROADWAY IMPROVEMENTS**

**FRANCES AVENUE**  
**CROSS SECTIONS**

SHEET  
 NO.  
 16



Regular		Exc.		Embankment	
A	V	A	V	A	V



SCALE HOR: 1"=20'  
VER: 1"=4'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

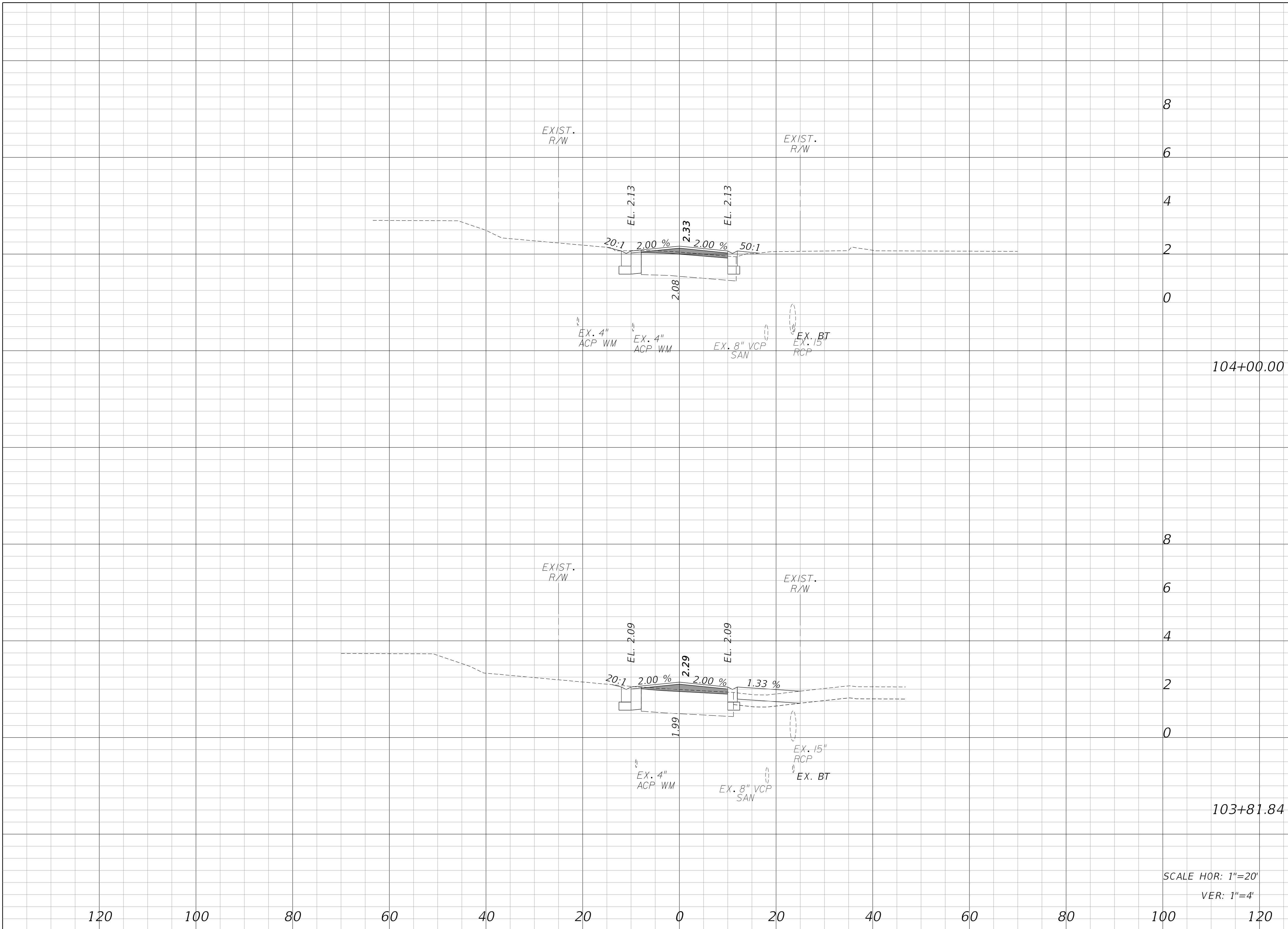
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**CITY OF  
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 FRANCES AVENUE  
 ROADWAY IMPROVEMENTS**

**FRANCES AVENUE  
 CROSS SECTIONS**

SHEET NO.  
18

Regular		Exc.		Embankment	
A	V	A	V	A	V



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

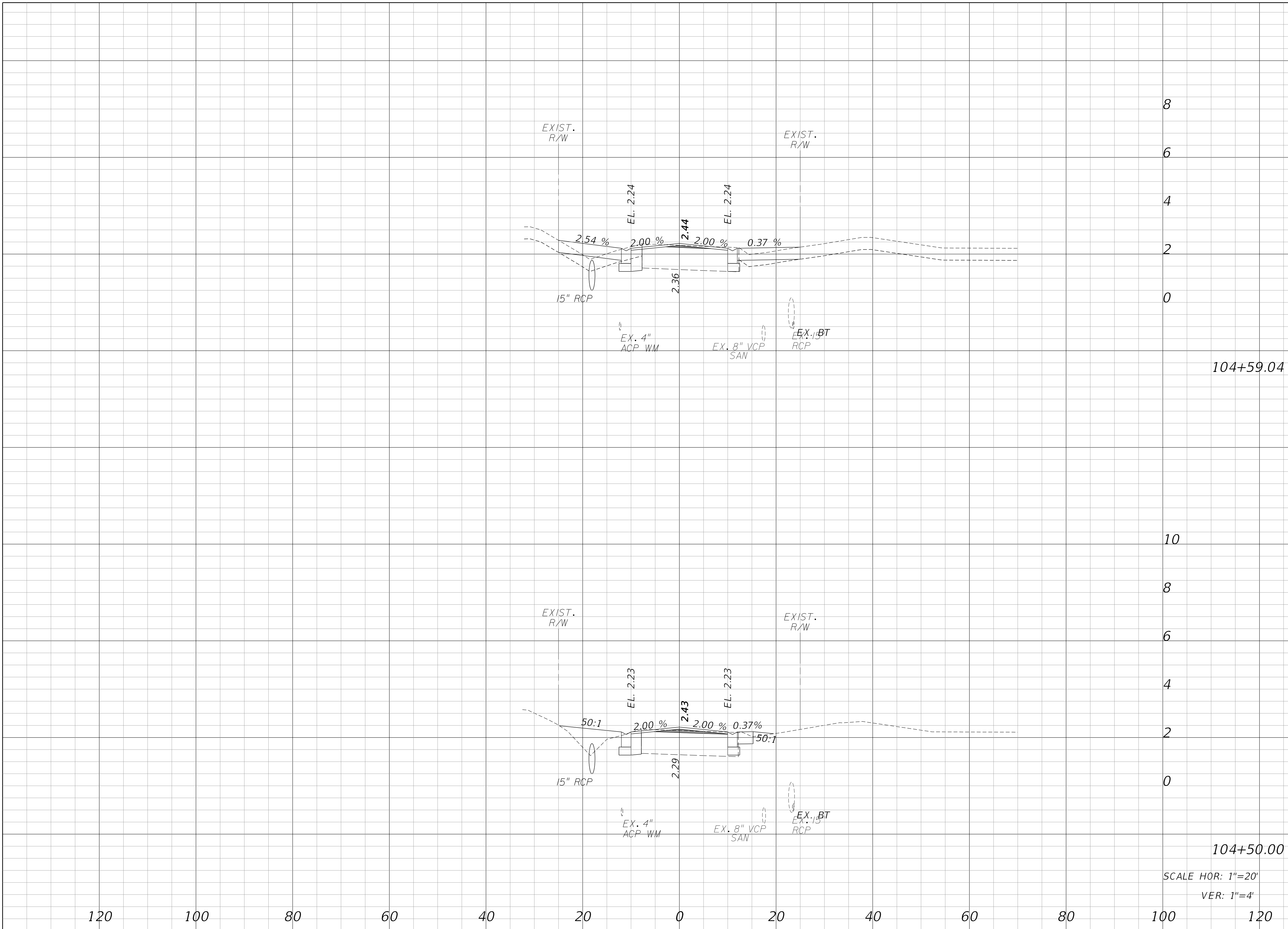
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**CITY OF  
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 FRANCES AVENUE  
 ROADWAY IMPROVEMENTS**

**FRANCES AVENUE  
 CROSS SECTIONS**

SHEET NO.  
 19

Regular		Exc.		Embankment	
A	V	A	V	A	V



SCALE HOR: 1"=20'  
VER: 1"=4'

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

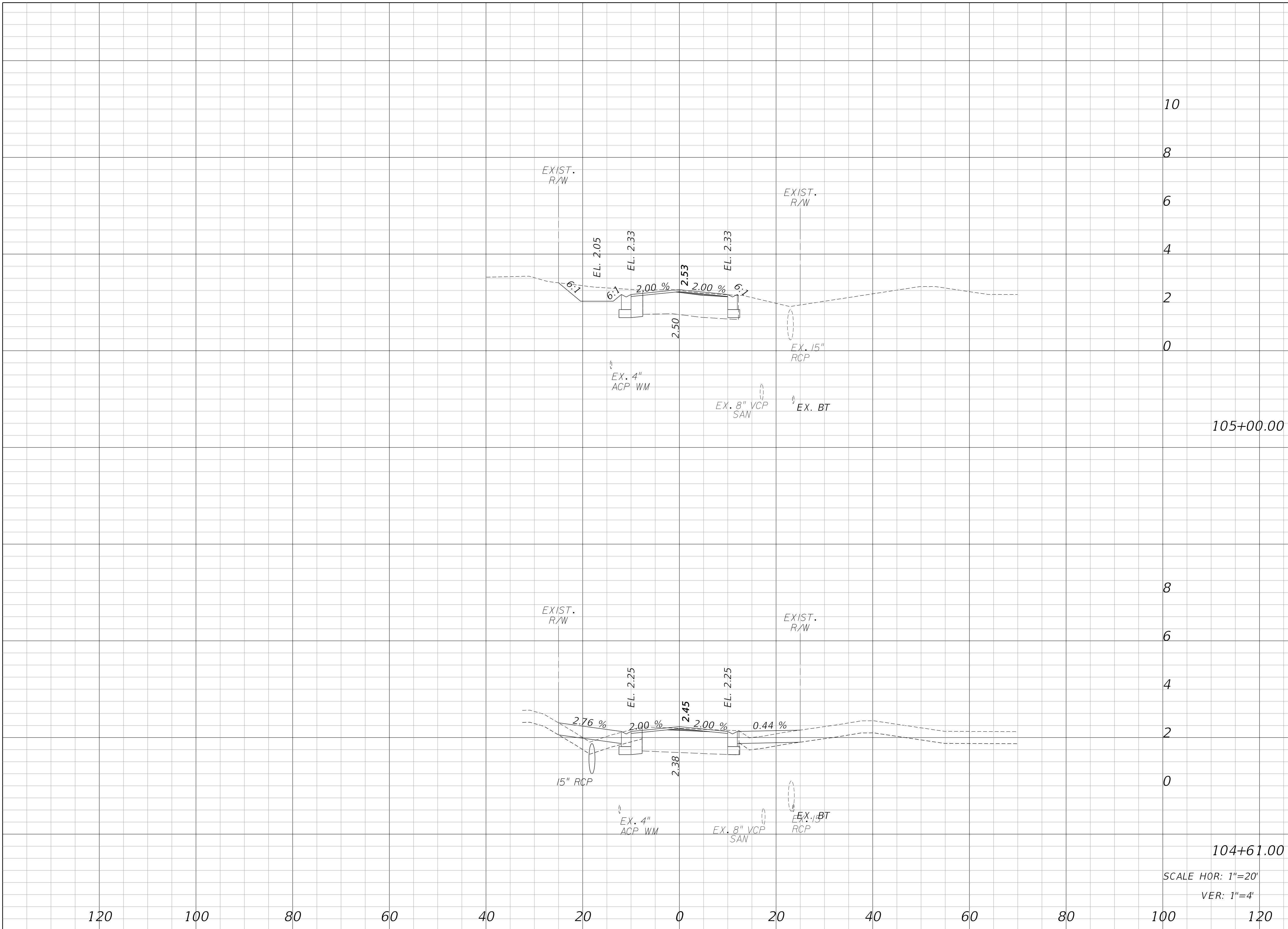
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**CITY OF  
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FRANCES AVENUE  
ROADWAY IMPROVEMENTS**

**FRANCES AVENUE  
CROSS SECTIONS**

SHEET NO.  
20

Regular		Exc.		Embankment	
A	V	A	V	A	V



SCALE HOR: 1"=20'  
VER: 1"=4'

REVISIONS					
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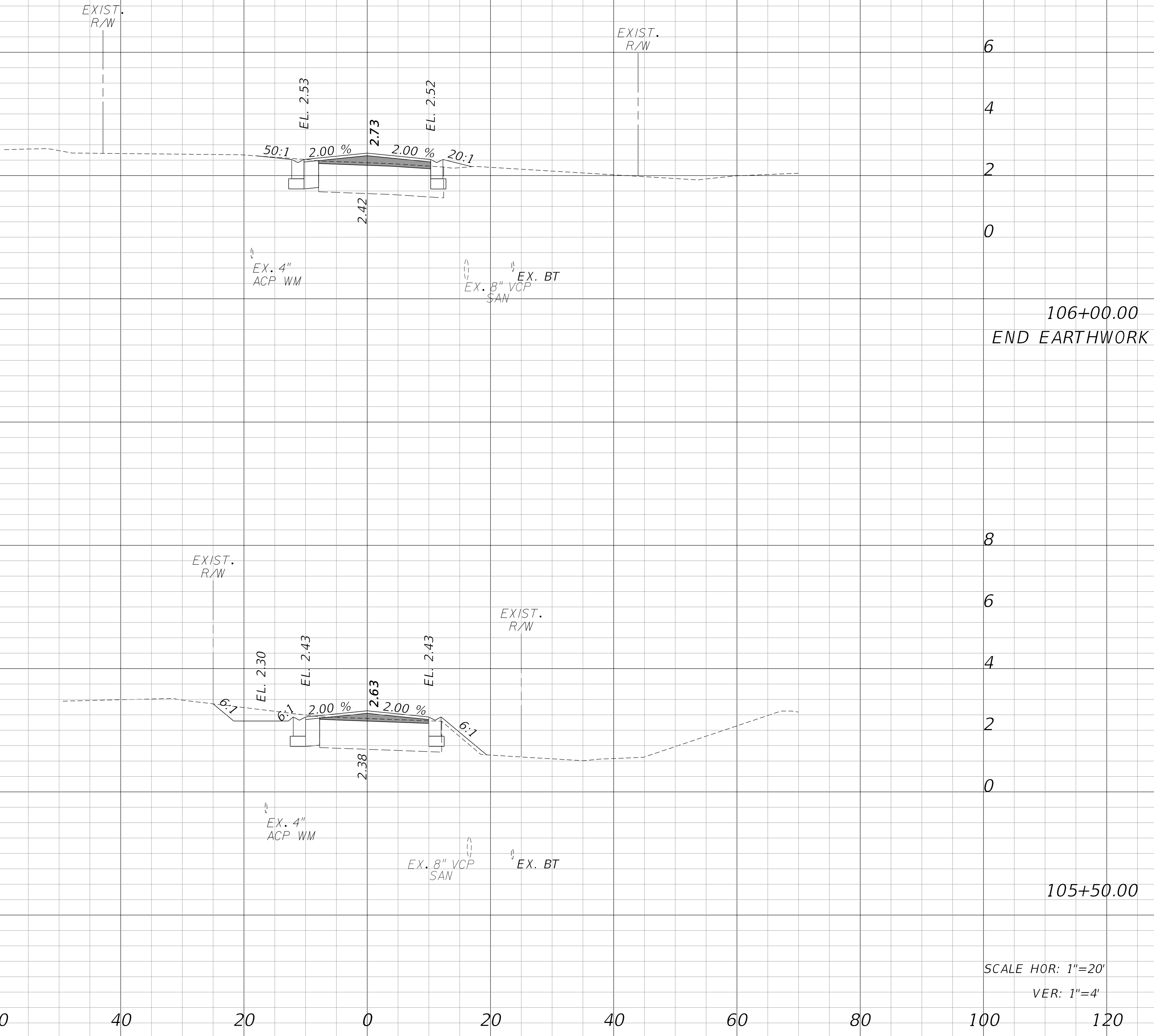
**CITY OF  
FORT PIERCE  
FRANCES AVENUE  
ROADWAY IMPROVEMENTS**

**FRANCES AVENUE  
CROSS SECTIONS**

SHEET NO.  
21

**SUMMARY OF EARTHWORK**  
 EXCAVATION: 216 CY  
 EMBANKMENT: 31 CY

Regular		Exc.		Embankment	
A	V	A	V	A	V



106+00.00  
 END EARTHWORK

105+50.00

SCALE HOR: 1"=20'  
 VER: 1"=4'

120 100 80 60 40 20 0 20 40 60 80 100 120

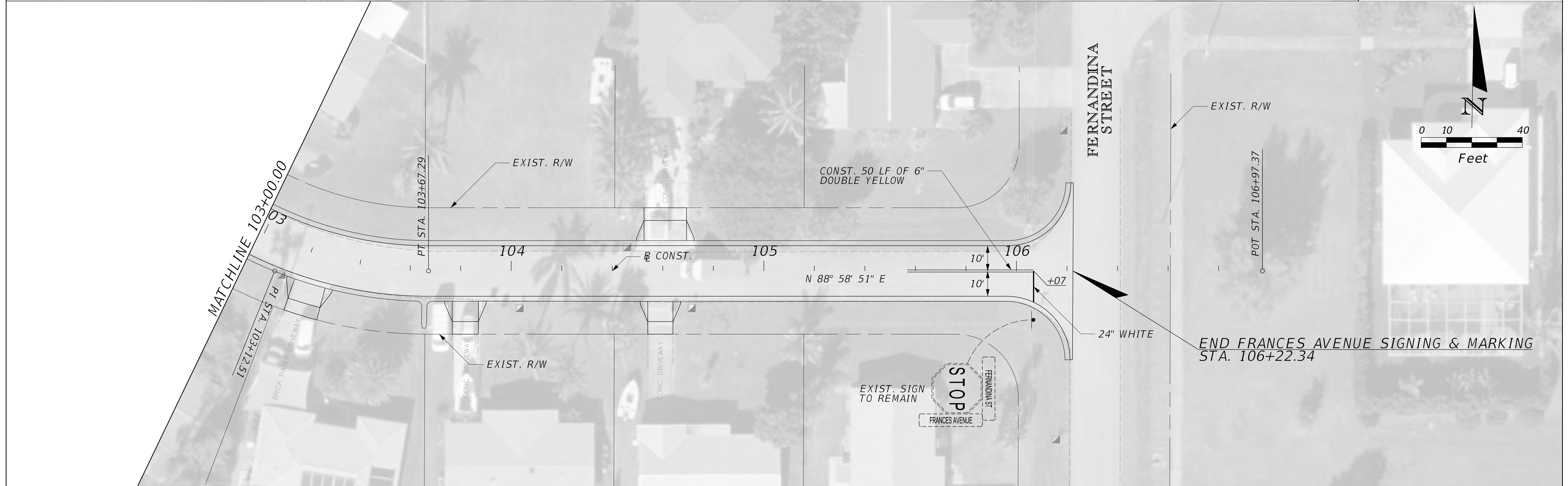
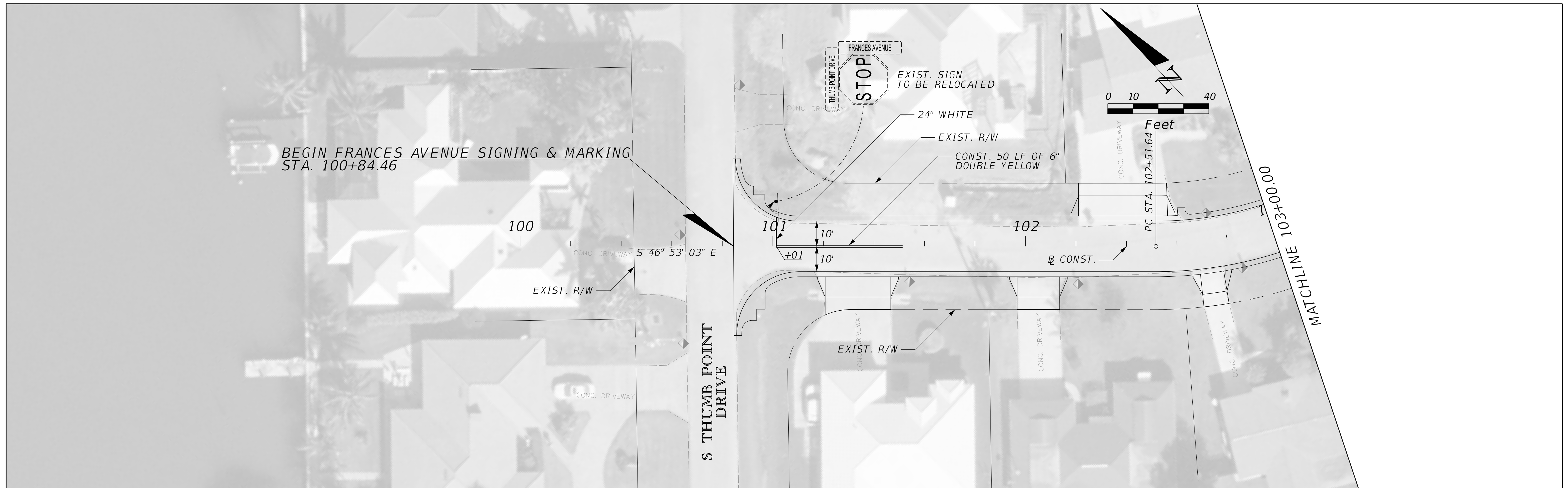
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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**CITY OF**  
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**FRANCES AVENUE**  
**ROADWAY IMPROVEMENTS**

**FRANCES AVENUE**  
**CROSS SECTIONS**

SHEET NO.  
 22



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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION				23
4/11/2024	bradley.moll	1:25:30 PM			K:\VRB_Roadway\Frances Ave\CADD\RDWY\PLANS_SIGNING\PLANSPO1.dgn				