

OLD CUTLER RD. &
 SW 184 ST (EUREKA DR.)

K:\DESIGN\2020\16.000_IDP_MPD200119\CADD\2020-12-16- Old Cutler Roundabouts\SW 184 ST\DWG\04-UTILITY COORDINATION.dwg No. 04, 2021 - 5:32pm - JFERBER

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
 ENGINEERING
 ANGEL ABIN FREDA | P.E. No.: 77550
 3363 W. COMMERCIAL Blvd, Ste. 110 | Ft. Lauderdale, FL 33309
 P: 954.875.5070 | C.A. No. 6104

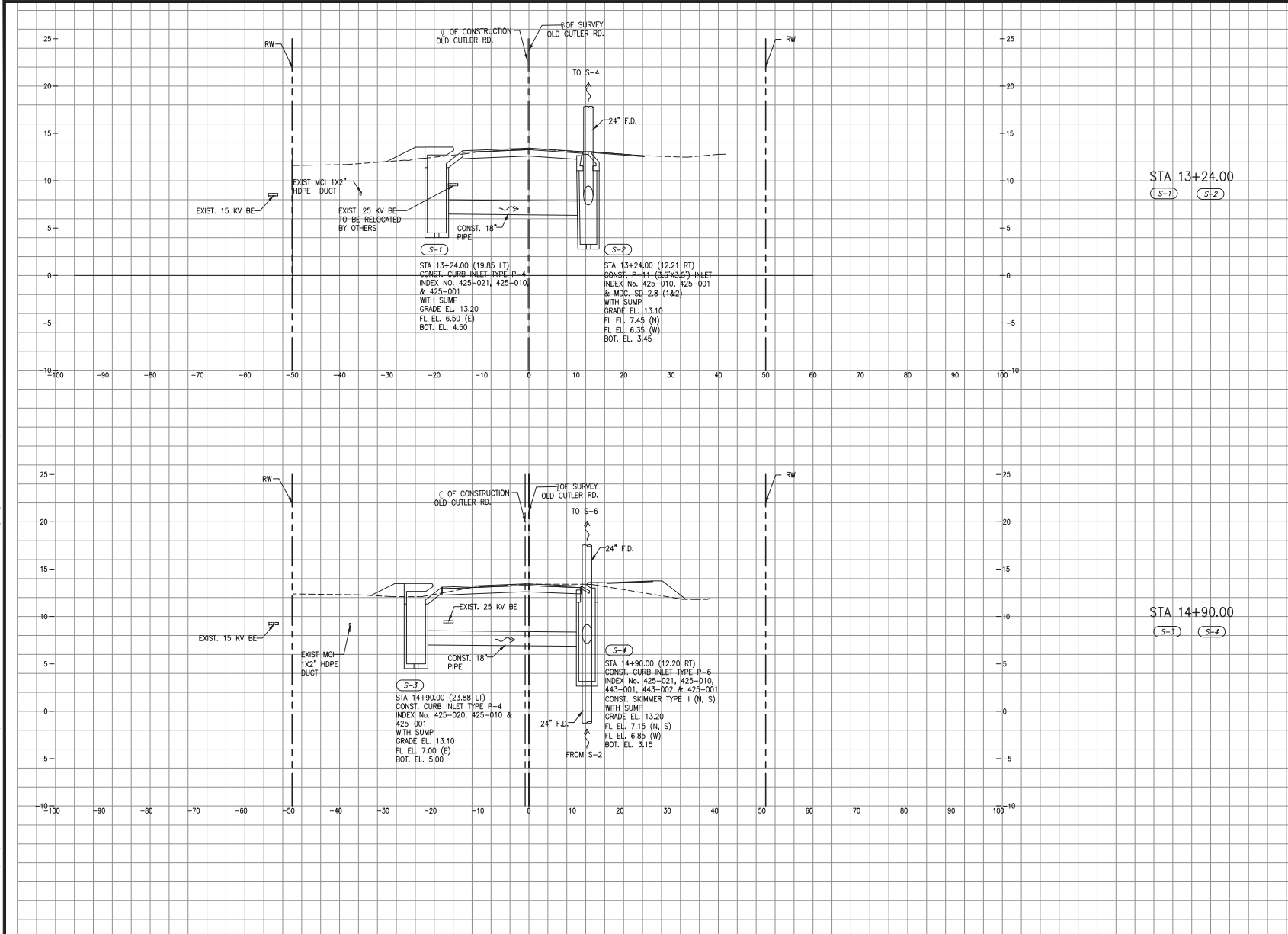
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	RL				
CHECKED BY	A.T.			A.F.	
SUPERVISED BY					

MIAMI-DADE COUNTY
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
 STEPHEN P. QUINN, DIRECTOR
 111 N.W. 111 ST.
 MIAMI, FL 33139

UTILITY ADJUSTMENT SHEET

K:\DESIGN\20200119\CAD\2020-12-18- Old Cutler Roundabouts\SW 184 ST\DWG\MAD-Sections\SW 184 ST South Corridor Drainage.dwg Nov 04, 2021 - 5:32pm JFERBER

OLD CUTLER RD.



STA 13+24.00
(S-1) (S-2)

STA 14+90.00
(S-3) (S-4)

SCALE
1"=10' HORIZONTAL
1"=5' VERTICAL

OLD CUTLER RD. &
SW 152 ST (CORAL REEF DR.)

DRAINAGE STRUCTURES

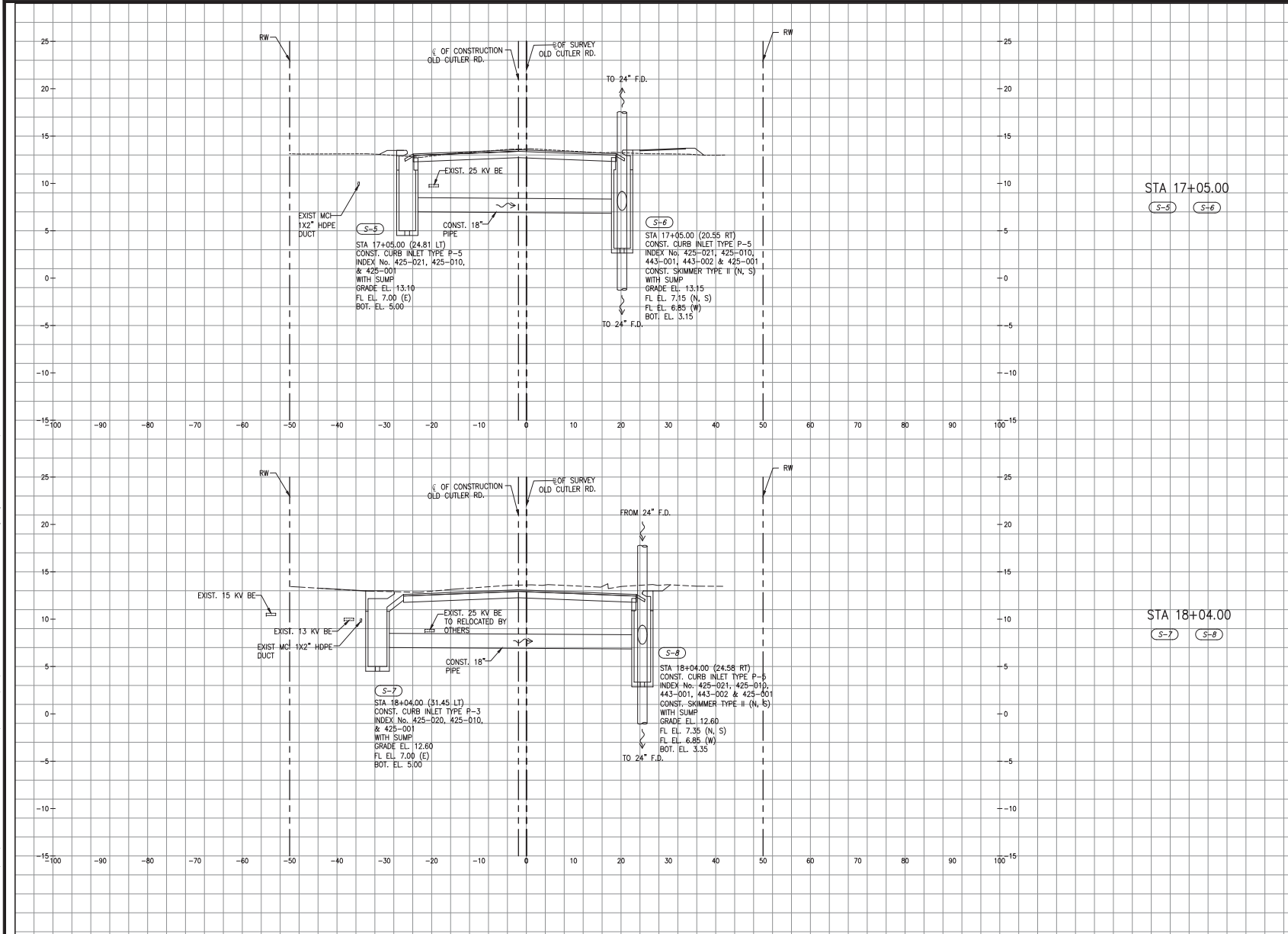
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
ENGINEERING
ARCEL ARN FREDR | P.E. No.: 77050
3363 W. COMMERCIAL, Bldg. 306, 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	CHECKED BY	NAME	DATE	DRAWN BY	CHECKED BY	NAME	DATE

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION
STEPHEN F. CLARK, OWNER
101 WEST P. MIAMI, FLORIDA 33130

OLD CUTLER RD.



STA 17+05.00
(S-5) (S-6)

STA 18+04.00
(S-7) (S-8)

SCALE
1"=10' HORIZONTAL
1"=5' VERTICAL

OLD CUTLER RD. &
SW 152 ST (CORAL REEF DR.)

K:\DESIGN\2020\19\000_IDP_MJ20200119\000_IDP_MJ20200119\Sections\SW 184 ST\UW\UW-03\Sections_SW 184 ST\UW\UW-03\Sections_SW 184 ST\UW\UW-03\Sections_SW 184 ST.dwg Nov 04, 2021 - 5:33pm JFERBER

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

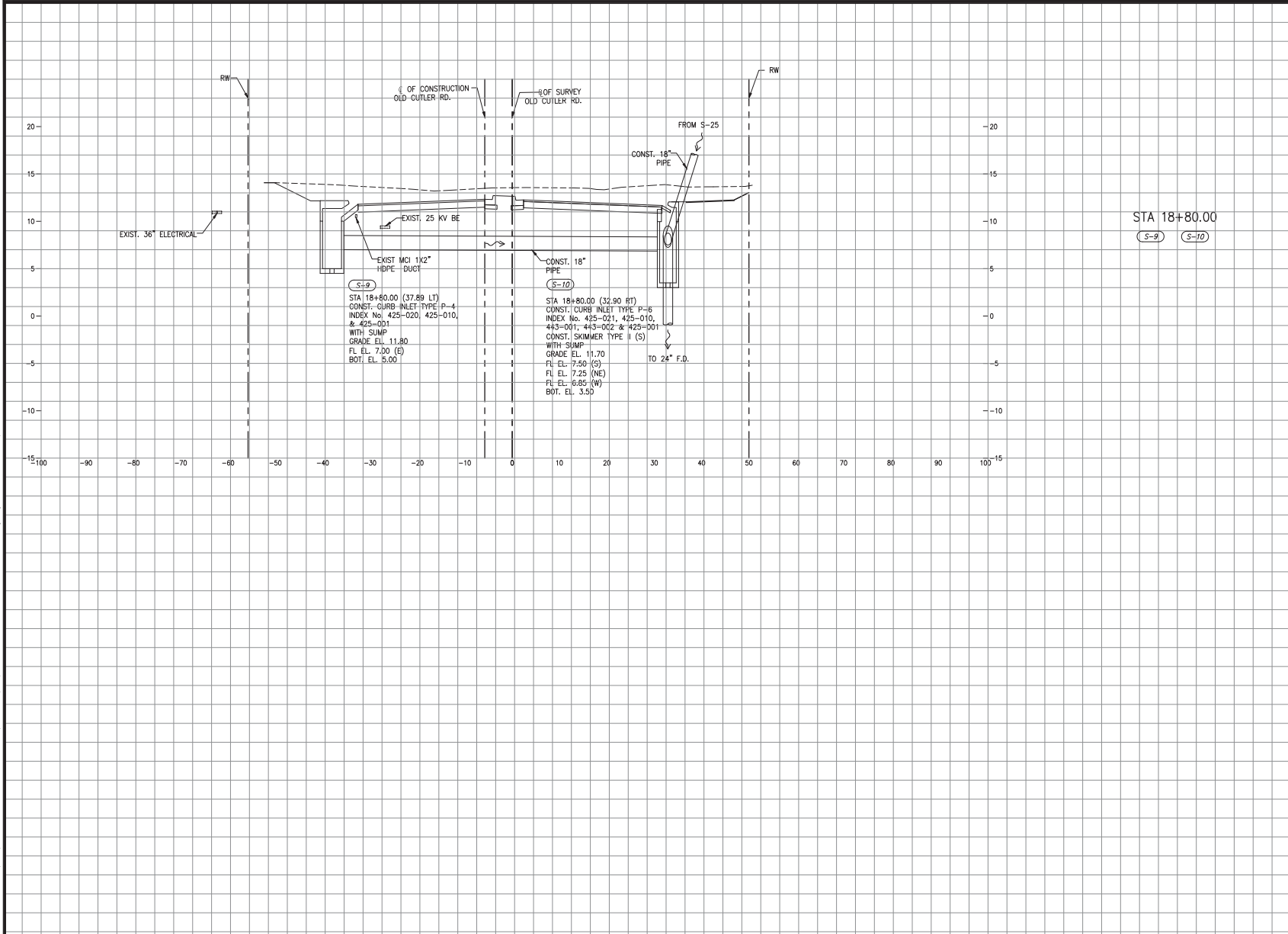
MARLIN
ENGINEERING
ARIEL ABIN FREDIA | P.E. No.: 77050
3363 W. COMMERCIAL, Bldg. 306, 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	A.F.		CHECKED BY	A.F.	
SUPERVISED BY:					

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK, CHIEF
19188 N.E.
MIAMI, FLORIDA 33182

DRAINAGE STRUCTURES

OLD CUTLER RD.



STA 18+80.00
 (S-9) (S-10)

SCALE
 1"=10' HORIZONTAL
 1"=5' VERTICAL

OLD CUTLER RD. &
 SW 152 ST (CORAL REEF DR.)

DRAINAGE STRUCTURES

K:\DESIGN\2020\16.000_EDP_MTD2020119\CAD\2020-12-12-18- Old Cutler Roundabout\SW 184 ST\DWG\MAD-S\Sections\SM 184 ST\DWG\MAD-S\Sections\SM 184 ST\DWG\MAD-S\Sections\SM 184 ST - 533.mxd

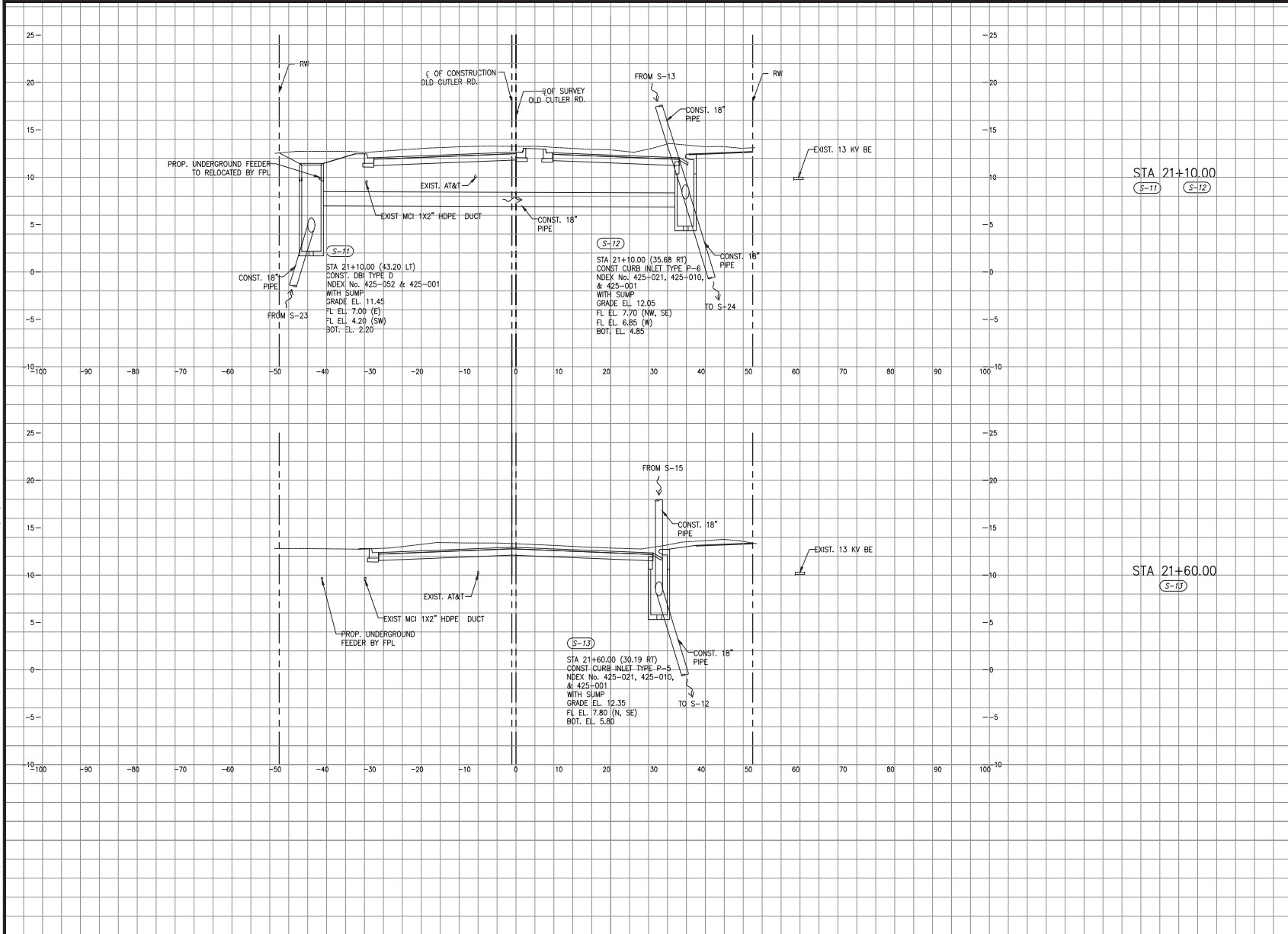
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
 ENGINEERING
 ANICEL ARMI FREDIA | P.E. No.: 77550
 3363 W. COMMERCIAL, Bldg. 506, 115 | FT. LAUDERDALE, FL 33309
 P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	RL			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	
SUPERVISED BY:					

MIAMI-DADE COUNTY
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
 STEVEN P. CLARK, CHIEF
 911 NE 1ST ST
 MIAMI, FLORIDA 33132

OLD CUTLER RD.



STA 21+10.00
 (S-11) (S-12)

STA 21+60.00
 (S-13)

SCALE
 1"=10' HORIZONTAL
 1"=5' VERTICAL

OLD CUTLER RD. &
 SW 152 ST (CORAL REEF DR.)

K:\DESIGN\2020\19\CAD\EDP_MTD2020119\CADD\2020-12-12-18- Old Cutler Roundabouts\SW 184 ST\DWG\MAD-S\Sections\SW 152 ST North Consider-Drainage.dwg Nov 04, 2021 - 5:33pm JFERBER

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

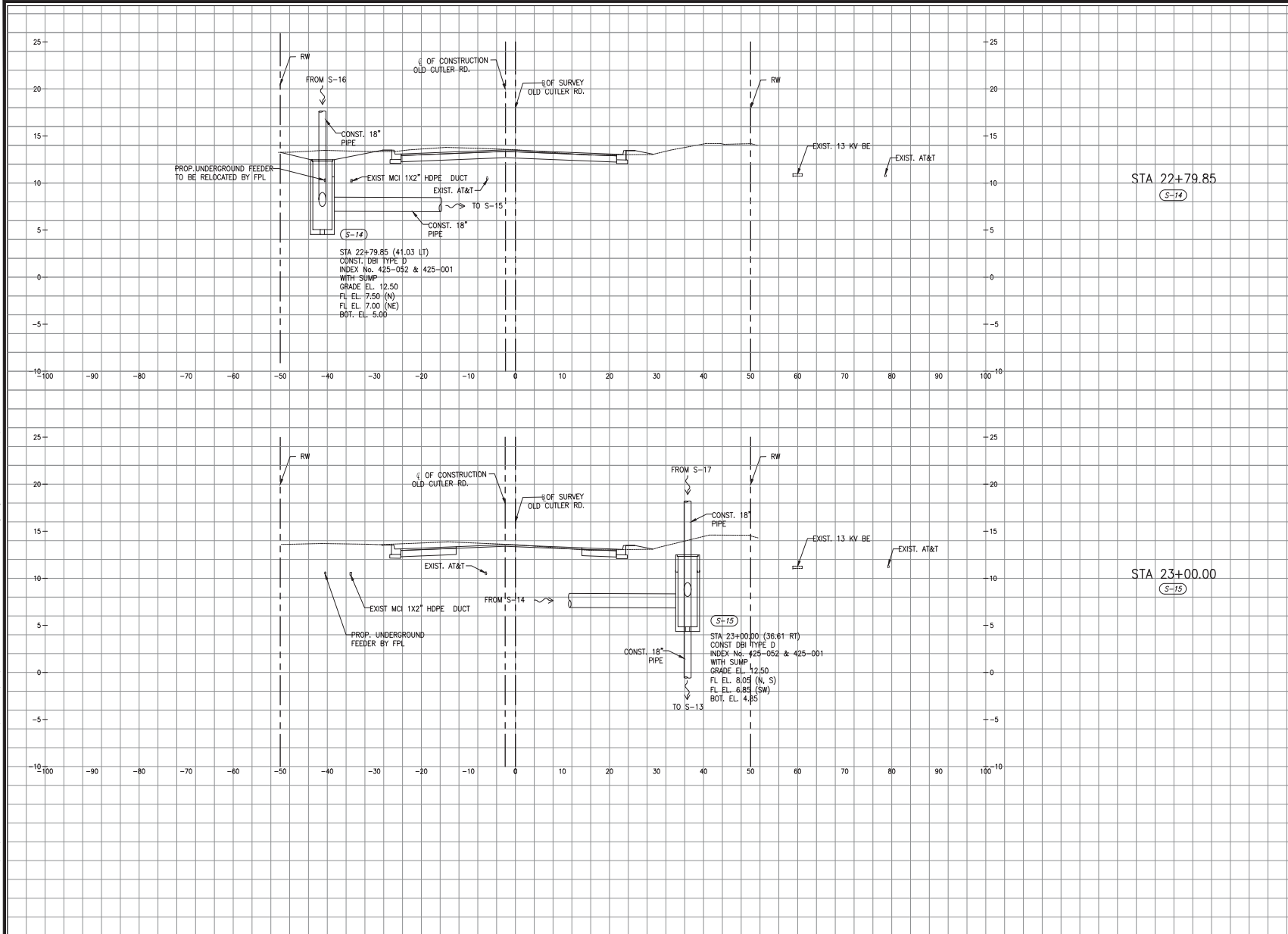
MARLIN
 ENGINEERING
 ANICEL ABRA FREIDA | P.E. No.: 77050
 3363 W. COMMERCIAL, BOCA RATON, FL 33309
 P: 954.870.5070 | CA. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	RL			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	
SUPERVISED BY					

MIAMI-DADE COUNTY
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
 STEVEN P. CLARK, CHIEF
 100 N.E. 2
 MIAMI, FLORIDA 33132

DRAINAGE STRUCTURES

OLD CUTLER RD.



STA 22+79.85
 (S-14)

STA 23+00.00
 (S-15)

SCALE
 1"=10' HORIZONTAL
 1"=5' VERTICAL

OLD CUTLER RD. &
 SW 152 ST (CORAL REEF DR.)

K:\DESIGN\2020\16.000_EDP_JIT20200119\CAD\2020-12-18-016 Cutler Roundabout\SW 184 ST\DWG\MAD-S\Sections\SW 152 ST North Consider-Drainage.dwg Nov 04, 2021 - 5:33pm JFERRE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
 ENGINEERING
 ANICEL ABIN FREDIA | P.E. No.: 77050
 3363 W. COMMERCIAL, BOCA RATON, FL 33309
 P: 954.870.5070 | CA. No. 6104

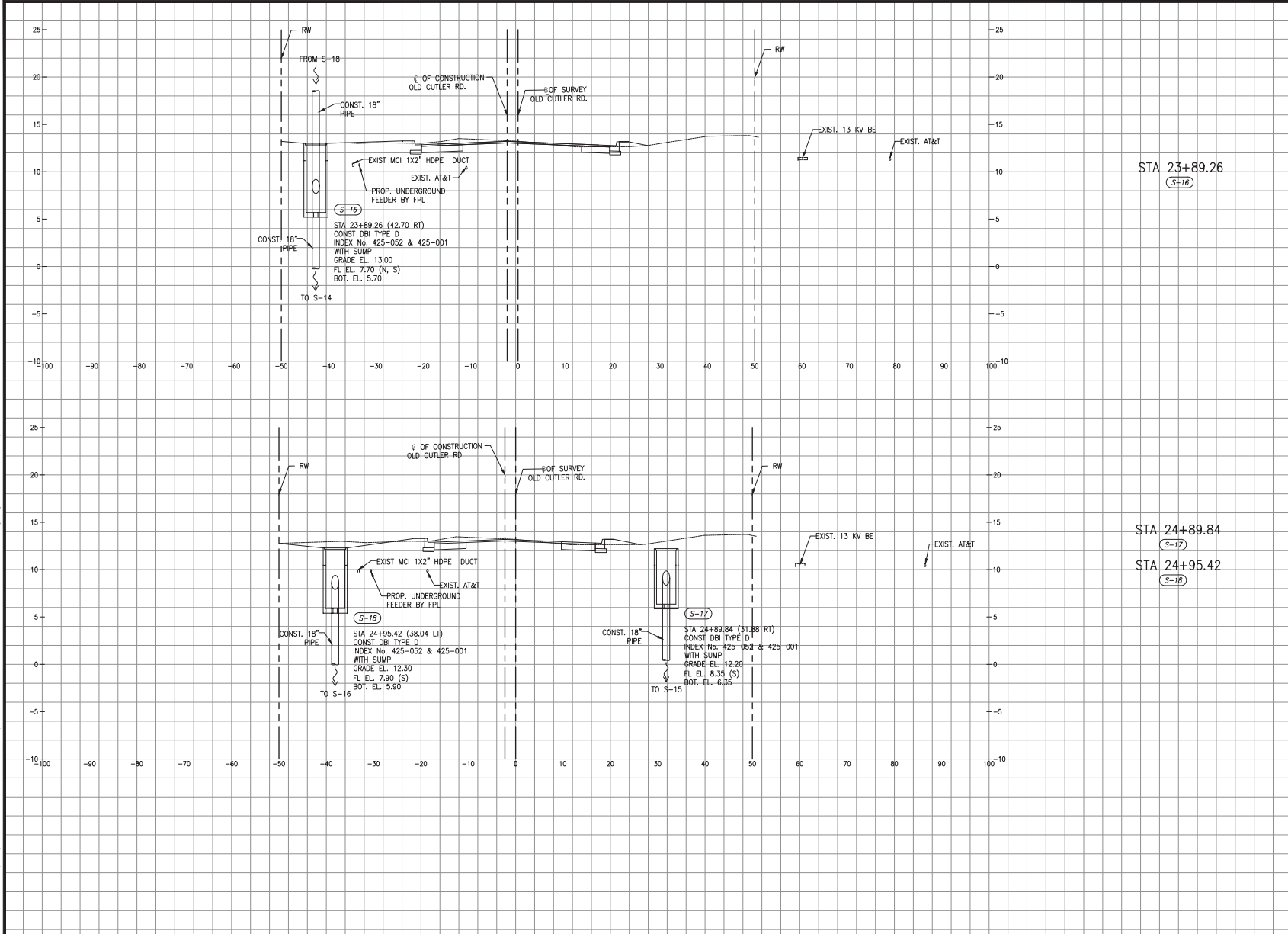
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	RL			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	

SUPERVISED BY:

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION
 STEVEN P. CLARK, CHIEF
 911 NE 1ST ST
 MIAMI, FLORIDA 33132

DRAINAGE STRUCTURES

OLD CUTLER RD.



STA 23+89.26
(S-16)

STA 24+89.84
(S-17)

STA 24+95.42
(S-18)

SCALE
 1"=10' HORIZONTAL
 1"=5' VERTICAL

OLD CUTLER RD. &
 SW 152 ST (CORAL REEF DR.)

K:\DESIGN\2020\19\CAD\19\DWG\MAD-Sections\SW 184 ST\UW6\MAD-Sections_SW 184 ST\UW6\MAD-Sections.dwg Nov 04, 2021 - 5:33pm JFERRE

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

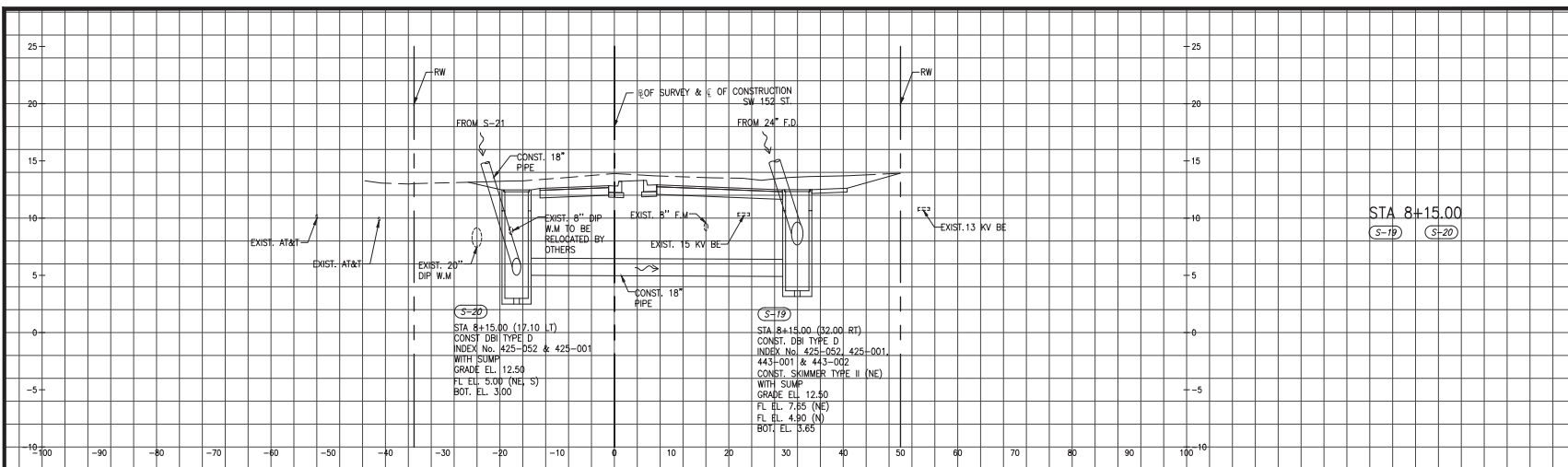
MARLIN
 ENGINEERING
 ANCEL ABRA FREDA | P.E. No.: 77050
 3363 W. COMMERCIAL, Bldg. 300, 115 | FT. LAUDERDALE, FL 33309
 P: 954.870.5070 | CA. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	RL			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	
SUPERVISED BY:					

MIAMI-DADE COUNTY
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
 STEVEN P. CLARK, CHIEF
 911 NE 1st St.
 MIAMI, FLORIDA 33132

DRAINAGE STRUCTURES

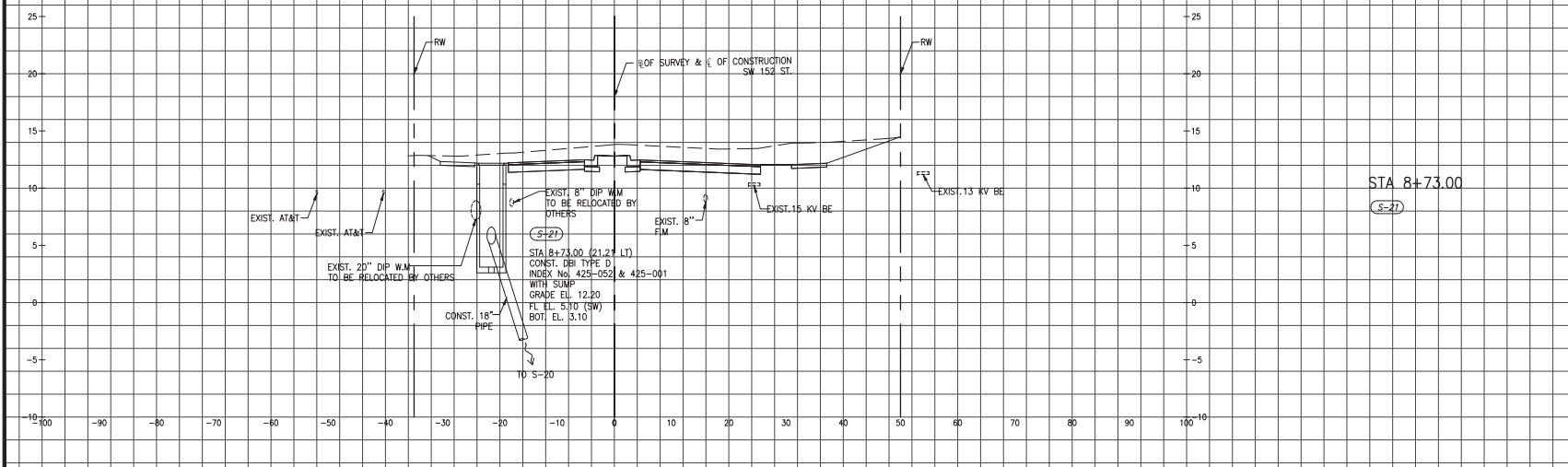
SW 152 ST



STA 8+15.00
(S-19) (S-20)

(S-20)
STA 8+15.00 (17.10 LT)
CONST. DBI TYPE D
INDEX No. 425-052 & 425-001
WITH SUMP
GRADE ELL. 12.50
FL ELL. 5.00 (NE, S)
BOT. ELL. 3.00

(S-19)
STA 8+15.00 (32.00 RT)
CONST. DBI TYPE D
INDEX No. 425-052, 425-001,
443-001 & 443-002
CONST. SOMMER TYPE II (NE)
WITH SUMP
GRADE ELL. 12.50
FL ELL. 7.85 (NE)
FL ELL. 4.90 (N)
BOT. ELL. 3.65



STA 8+73.00
(S-21)

(S-21)
STA 8+73.00 (21.2* LT)
CONST. DBI TYPE D
INDEX No. 425-052 & 425-001
WITH SUMP
GRADE ELL. 12.20
FL ELL. 5.10 (SW)
BOT. ELL. 3.10

SCALE
1"=10' HORIZONTAL
1"=5' VERTICAL

OLD CUTLER RD. &
SW 152 ST (CORAL REEF DR.)

K:\DESIGN\20200119\0405\2020-12-18-18-Old Cutler Roundabout\SW 152 ST W.M. & Dip\0405\2020-12-18-18-Old Cutler Roundabout\SW 152 ST W.M. & Dip.dwg

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

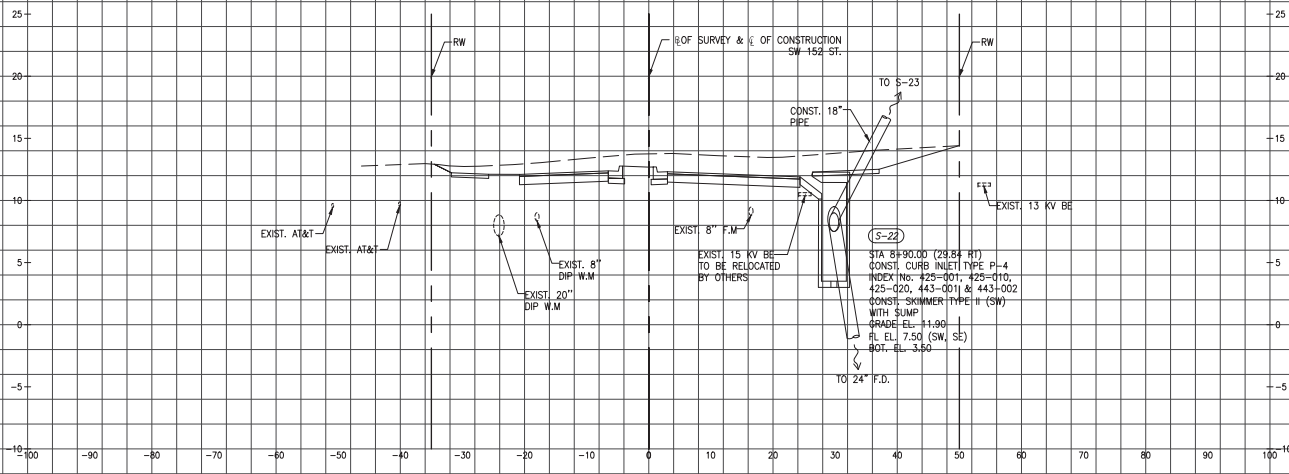
MARLIN
ENGINEERING
ANGEL JAHN FREDA P.E. No. 77550
1700 NW 88 Ave., Ste. 100 Palm Beach Gardens, FL 33411
(561) 477-7518 • FAX: (561) 477-7514

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

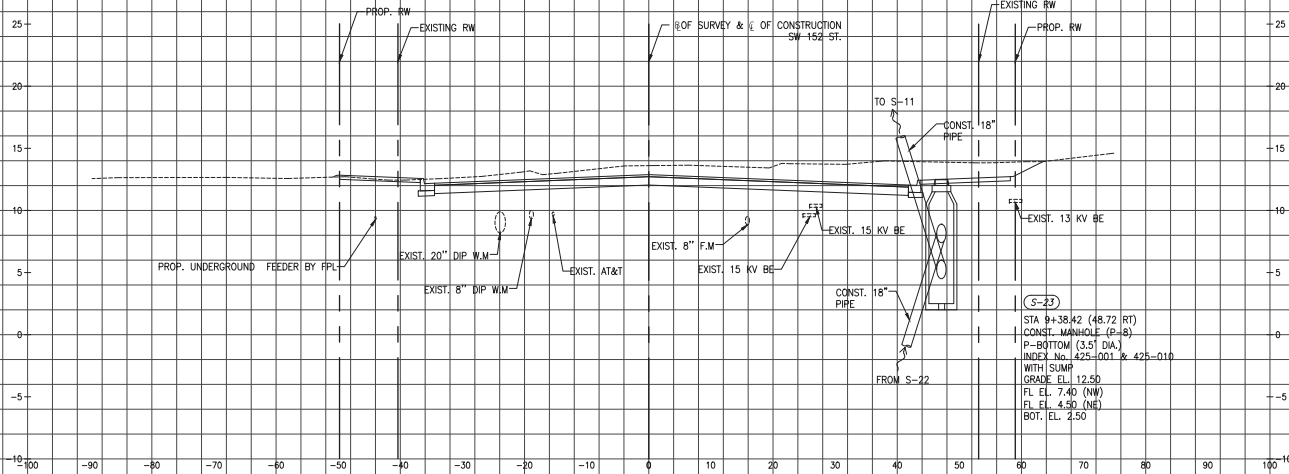
DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
HIGHWAY DIVISION
MIAMI-DADE COUNTY
STEPHEN P. CLARK, CHIEF
1600 N.W. 25
MIAMI, FLORIDA 33125

DRAINAGE STRUCTURES

SW 152 ST



STA 8+90.48
 (S-22)



STA 9+38.42
 (S-23)

SCALE
 1"=10' HORIZONTAL
 1"=5' VERTICAL

OLD CUTLER RD. &
 SW 152 ST (CORAL REEF DR.)

K:\DESIGN\20200119\0405\2020-12-18- Old Cutler Roundabouts\SW 184 ST\Utility\0405\Stationing\SW 152 St East & West Corridor Drainage\dwg\102.dwg - 5:33pm - JFB62R

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
 ENGINEERING
 JACELAH FREDA • P.E. REG. 77550
 1300 NW 88 Ave., Ste. 100 • Fort Lauderdale, FL 33311
 (954) 477-7333 • FAX: 954 6124

DESIGNED	NAME	DATE	DRAWN	NAME	DATE

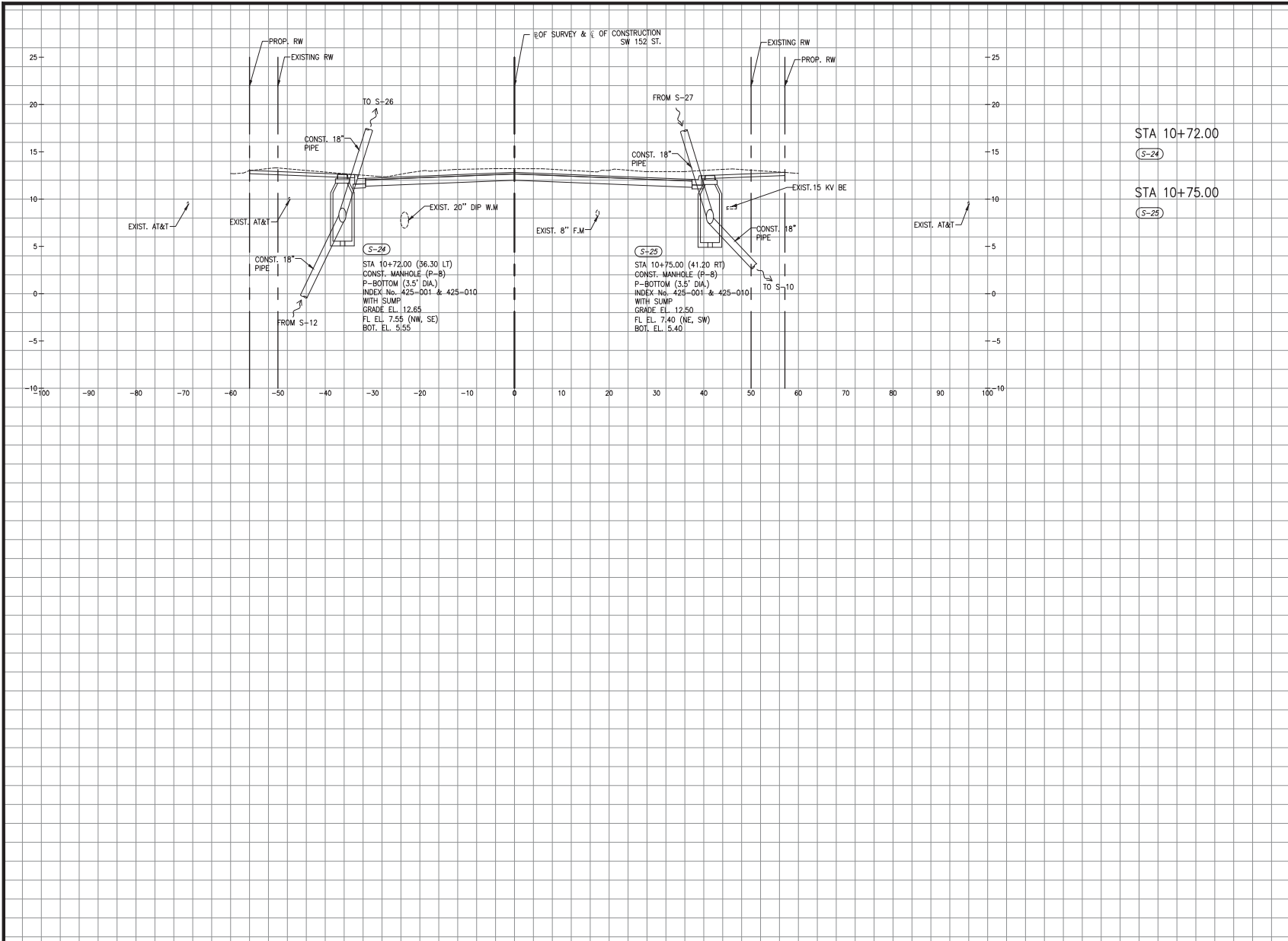
DEPARTMENT OF TRANSPORTATION
 AND PUBLIC WORKS
MIAMI-DADE
 COUNTY HIGHWAY DIVISION
 STEPHEN P. CLARK, CHIEF
 100 N.W. 1st
 MIAMI, FLORIDA 33102

DRAINAGE STRUCTURES

K:\DESIGN\20200119\0405\2020-12-18- Old Cutler Roundabouts\SW 184 ST\WV\0405-2020\SW 152 ST East & West Corridor Drainage\DWG\SW 152 ST 103.dwg - 5/3/20 - JFB/ER

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
OLD CUTLER RD. ROUNDABOUTS AT SW 152 ST & SW 184 ST
PROJECT NO. 20200119 SHEET 103 OF 183

SW 152 ST



STA 10+72.00
(S-24)
STA 10+75.00
(S-25)

SCALE
1"=10' HORIZONTAL
1"=5' VERTICAL

OLD CUTLER RD. &
SW 152 ST (CORAL REEF DR.)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

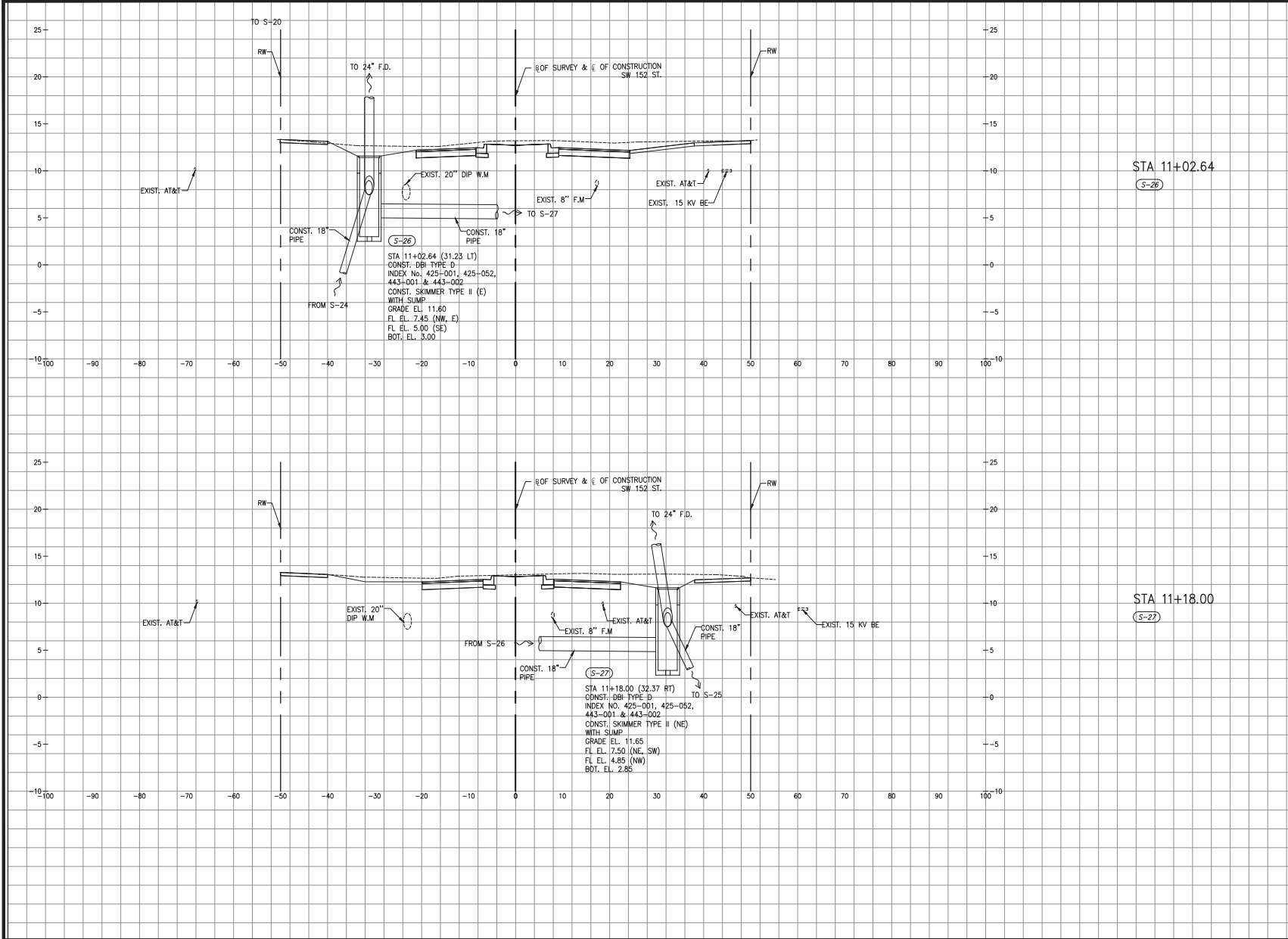
MARLIN
ENGINEERING
ANGEL ARN FREDA P.E. REG. 77550
3100 NW 88 Ave., Ste. 100 Palm Beach Gardens, FL 33411
(561) 477-7512 • FAX: 561-6124

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	A.F.		CHECKED BY	A.F.	
SUPERVISED BY:					

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
MIAMI-DADE COUNTY
HIGHWAY DIVISION
STEPHEN P. CLARK, CIVIL ENGINEER
151 NW 1 ST.
MIAMI, FLORIDA 33128

DRAINAGE STRUCTURES

SW 152 ST



STA 11+02.64
(S-26)

STA 11+18.00
(S-27)

SCALE
1"=10' HORIZONTAL
1"=5' VERTICAL

OLD CUTLER RD. &
SW 152 ST (CORAL REEF DR.)

K:\DESIGN\20200119\0405\2020-12-18-18-Old Cutler Roundabout\SW 184 ST\WV\040-040-040.dwg, 3/1/2021, 5:53pm, JFB662

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

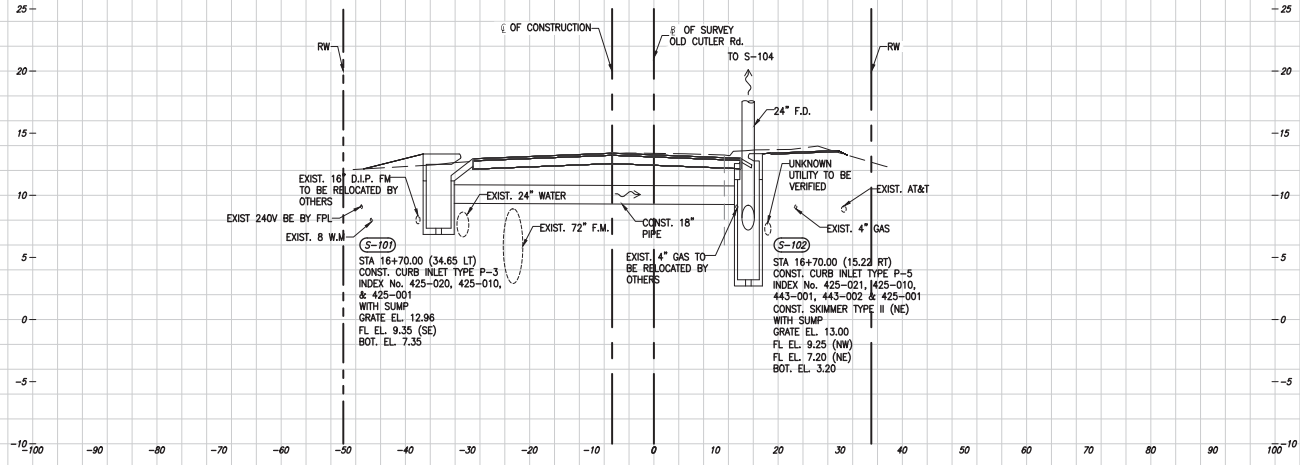
MARLIN
ENGINEERING
ANGELAH FREDA • P.E. NO. 77550
3700 NW 88 Ave., Ste. 100 • Fort Lauderdale, FL 33311
(954) 477-7510 • FAX: 954-610-6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

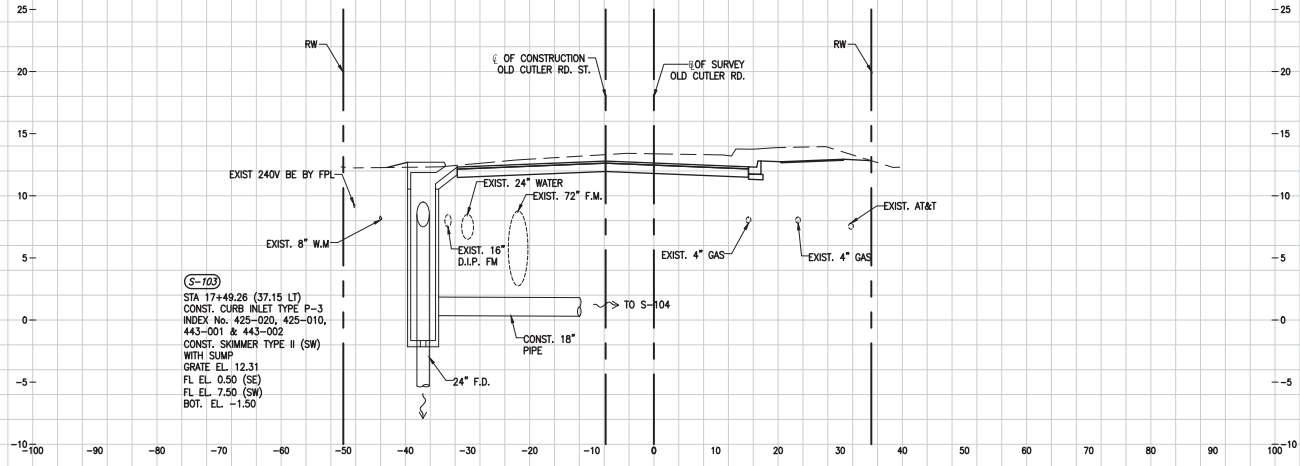
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
MIAMI-DADE COUNTY
HIGHWAY DIVISION
STEPHEN P. CLARK, CHIEF
1500 N.W. 25
MIAMI, FLORIDA 33128

DRAINAGE STRUCTURES

OLD CUTLER RD.



STA 16+70.00
(S-101) (S-102)



STA 17+49.26
(S-103)

SCALE
1"=10' HORIZONTAL
1"=5' VERTICAL

OLD CUTLER RD. &
SW 184 ST (EUREKA DR.)

K:\DESIGN\20200119\DADE\106.DWG - 04/05/2020 12:16:18 - Old Cutler Roundabout SW 184 ST\WWS\106-18actions.dwg 184 ST South Corridor-Drainage.dwg Nov 04, 2021 - 5:54pm JFB/ER

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

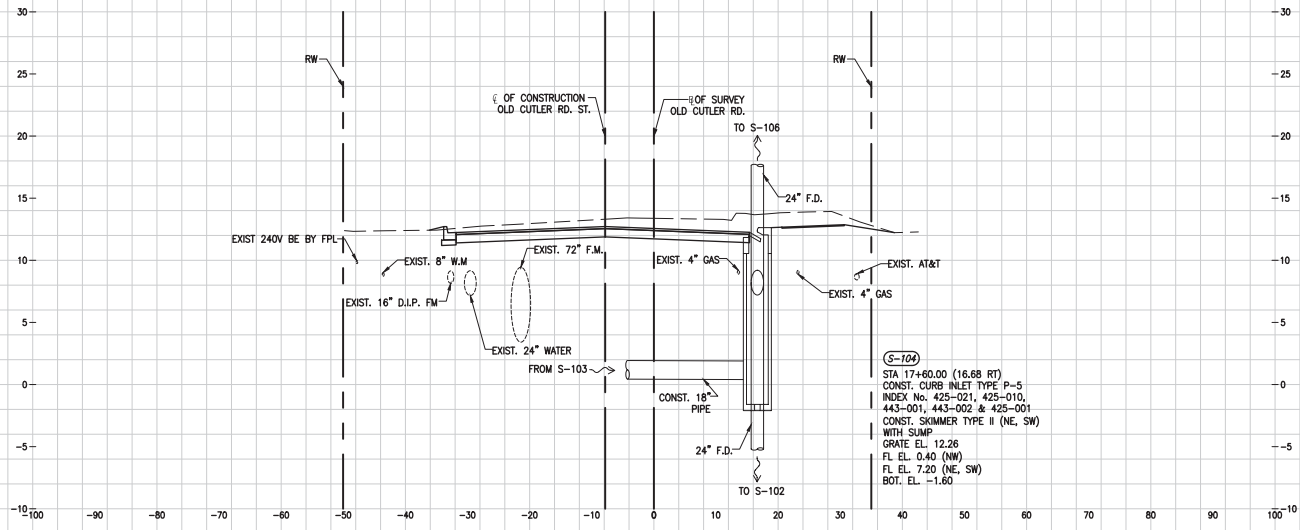
MARLIN
ENGINEERING
ARCEL AMN FREDA | P.E. No.: 77550
3363 W. COMMERCIAL Blvd. Ste. 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	
SUPERVISED BY:					

DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
HIGHWAY DIVISION
MIAMI-DADE COUNTY
STEPHEN F. CLARK, CIVIL ENGINEER
18184 ST.
MIAMI, FLORIDA 33188

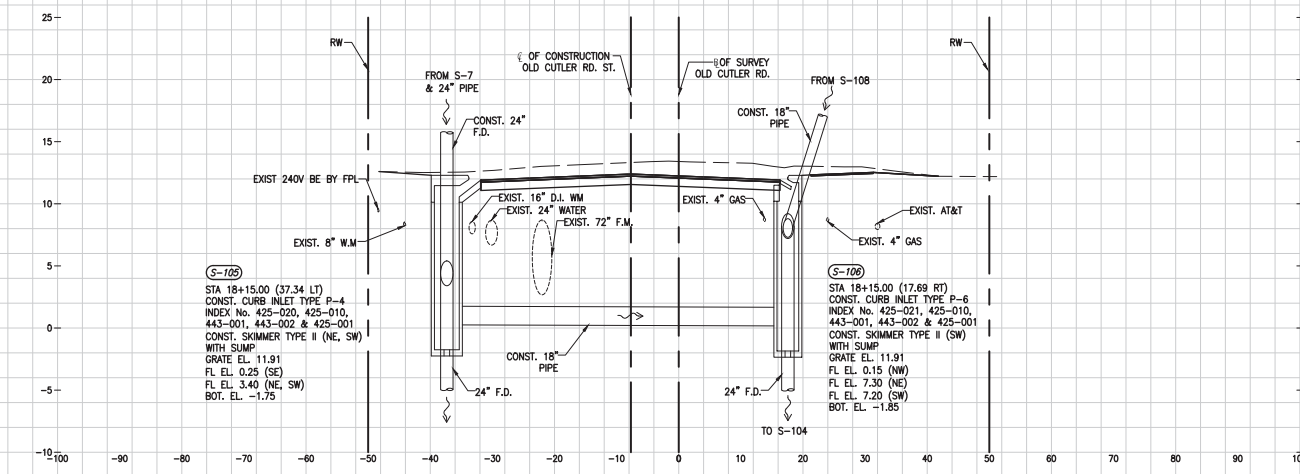
DRAINAGE STRUCTURES

OLD CUTLER RD.



STA 17+60.00
 (S-104)

(S-104)
 STA 17+60.00 (16.68 RT)
 CONST. CURB INLET TYPE P-5
 INDEX No. 425-021, 425-010,
 443-001, 443-002 & 425-001
 CONST. SKIMMER TYPE II (NE, SW)
 WITH SUMP
 GRATE EL. 12.26
 FL EL. 0.40 (NW)
 FL EL. 7.20 (NE, SW)
 BOT. EL. -1.60



STA 18+15.00
 (S-105) (S-106)

(S-105)
 STA 18+15.00 (37.34 LT)
 CONST. CURB INLET TYPE P-4
 INDEX No. 425-020, 425-010,
 443-001, 443-002 & 425-001
 CONST. SKIMMER TYPE II (NE, SW)
 WITH SUMP
 GRATE EL. 11.91
 FL EL. 0.25 (SE)
 FL EL. 3.40 (NE, SW)
 BOT. EL. -1.75

(S-106)
 STA 18+15.00 (17.69 RT)
 CONST. CURB INLET TYPE P-6
 INDEX No. 425-021, 425-010,
 443-001, 443-002 & 425-001
 CONST. SKIMMER TYPE II (SW)
 WITH SUMP
 GRATE EL. 11.91
 FL EL. 0.15 (NW)
 FL EL. 7.30 (NE)
 FL EL. 7.20 (SW)
 BOT. EL. -1.85

SCALE
 1"=10' HORIZONTAL
 1"=3' VERTICAL

OLD CUTLER RD. &
 SW 184 ST (EUREKA DR.)

A:\DESIGN\20200119\0403\020-12-18-18- Old Cutler Roundabout\SW 184 ST\W03\040-18-18-18-01.dwg 1/18/2021 10:53am JFD/BER

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

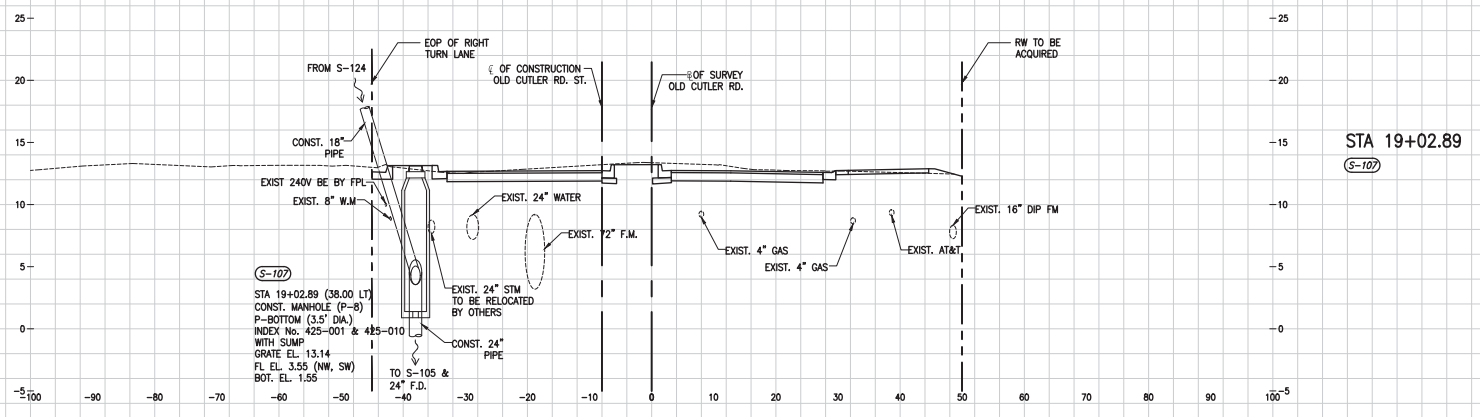
MARLIN
 ENGINEERING
 ANCEL ABN FREDA | P.E. No.: 77550
 3363 W. COMMERCIAL BLVD. SUITE 115 | FT. LAUDERDALE, FL 33309
 P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SUPERVISED BY					

DEPARTMENT OF TRANSPORTATION
 AND PUBLIC WORKS
 HIGHWAY DIVISION
MIAMI-DADE COUNTY
 STEPHEN F. CLARK, CHIEF
 100 N.W. 1ST
 MIAMI, FLORIDA 33138

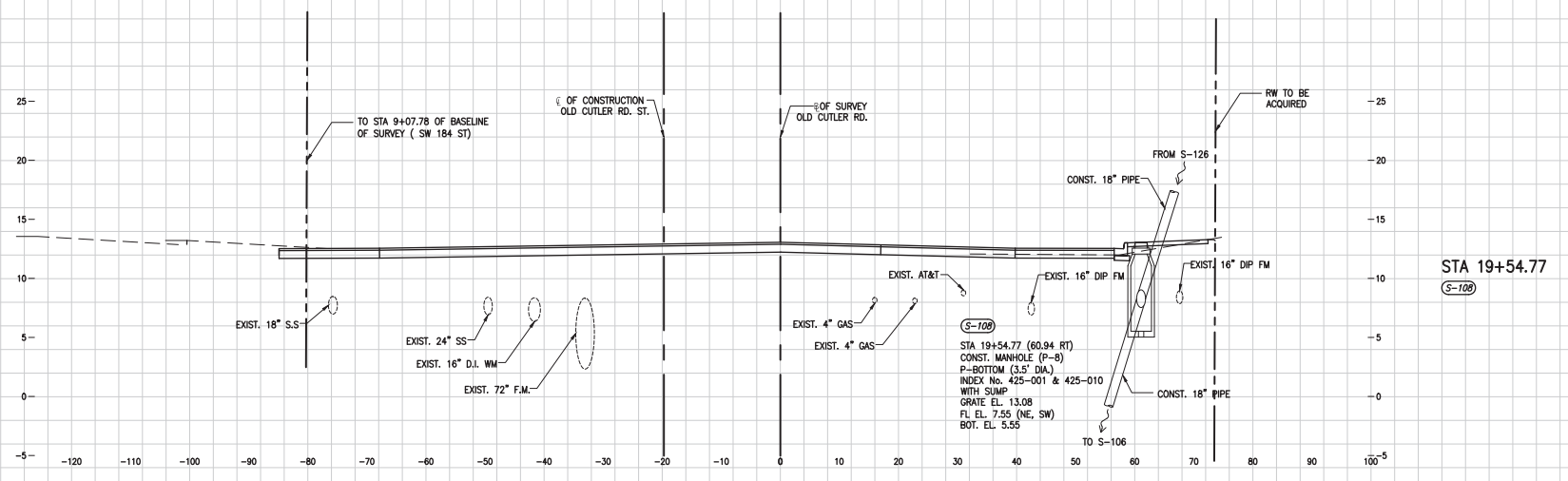
DRAINAGE STRUCTURES

OLD CUTLER RD.



STA 19+02.89
(S-107)

(S-107)
STA 19+02.89 (38.00 LT)
CONST. MANHOLE (P-8)
P-BOTTOM (3.5' DIA.)
INDEX No. 425-001 & 425-010
WITH SUMP
GRATE EL. 13.14
FL EL. 3.55 (NW, SW)
BOT. EL. 1.55
TO S-105 &
24" F.D.



STA 19+54.77
(S-108)

(S-108)
STA 19+54.77 (60.94 RT)
CONST. MANHOLE (P-8)
P-BOTTOM (3.5' DIA.)
INDEX No. 425-001 & 425-010
WITH SUMP
GRATE EL. 13.08
FL EL. 7.55 (NE, SW)
BOT. EL. 5.55
TO S-106

SCALE
1"=10' HORIZONTAL
1"=3' VERTICAL

OLD CUTLER RD. &
SW 184 ST (EUREKA DR.)

DRAINAGE STRUCTURES

A:\PERSONAL\20200119\0405\0405\0405-12-18-18 - Old Cutler Roundabout\SW 184 ST\WMS\0405-18actions\SW 184 ST South Corridor-Drainage.dwg, Nov 04, 2021 - 5:35pm, JFBBER

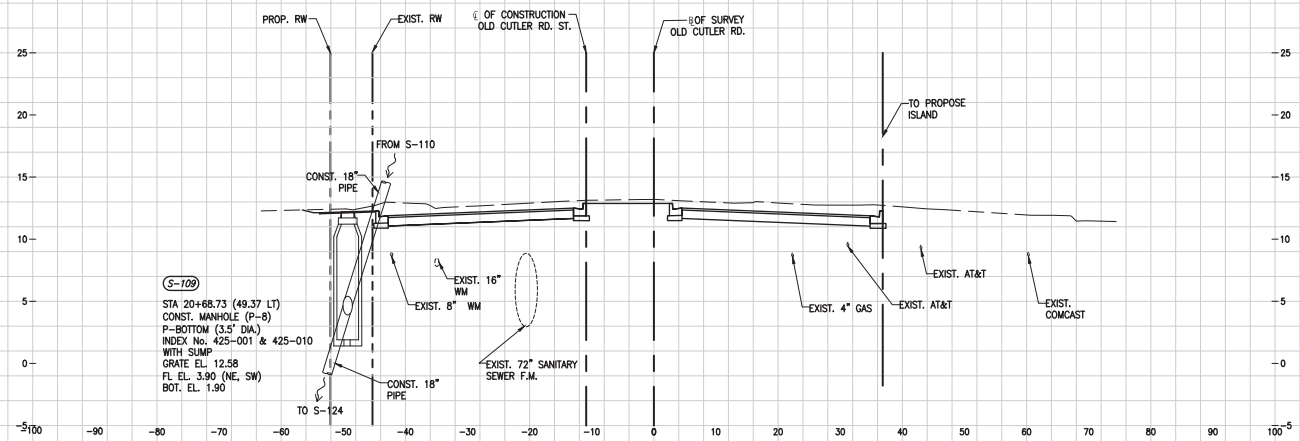
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
ENGINEERING
ARCEL ABN FREDA | P.E. No.: 77500
3363 W. COMMERCIAL BLVD. SU. 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

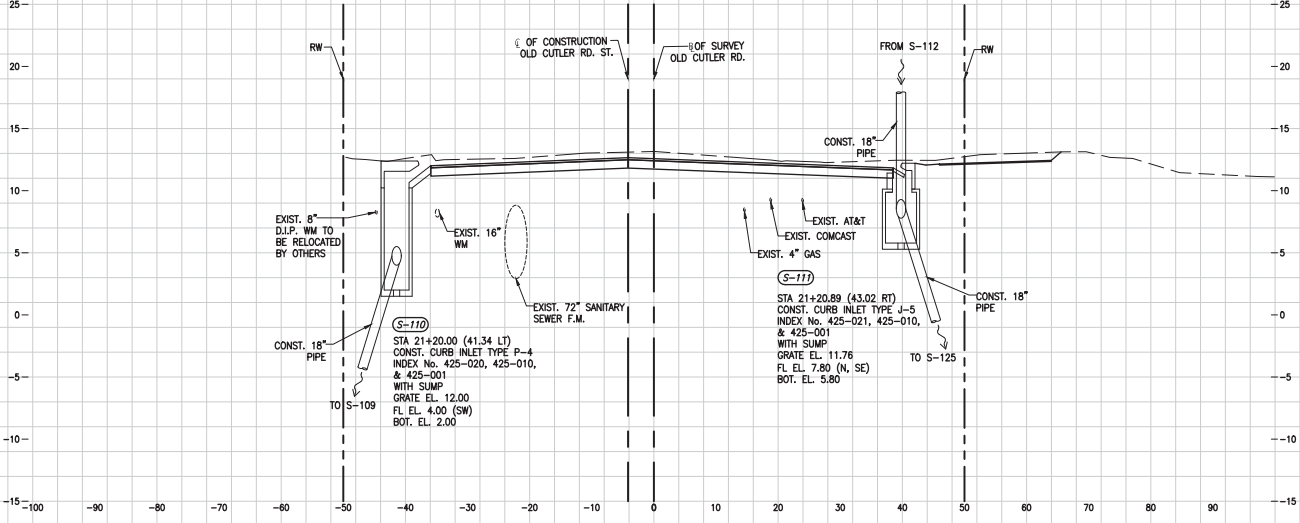
DESIGNED BY	NAME	DATE	NAME	DATE
CHECKED BY	R.L.		DRAWN BY	M.P.
	A.F.		CHECKED BY	A.F.
SUPERVISED BY				

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
MIAMI-DADE COUNTY
STEPHEN F. CLARK, CHIEF
100 N.W. 1ST ST.
MIAMI, FLORIDA 33138

OLD CUTLER RD.



(S-109)
STA 20+68.73



STA 21+20.00
(S-110)
STA 21+20.89
(S-111)

SCALE
1"=10' HORIZONTAL
1"=5' VERTICAL

OLD CUTLER RD. &
SW 184 ST (EUREKA DR.)

A:\DESIGN\20200119\DADE\108.DWG - 04/20/2021 12:16:18 - Old Cutler Roundabouts\SW 184 ST\WPD\WPD-18actions\SW 184 St North Corridor-Drainage.dwg Nov 04, 2021 - 3:35pm - JFINDER

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

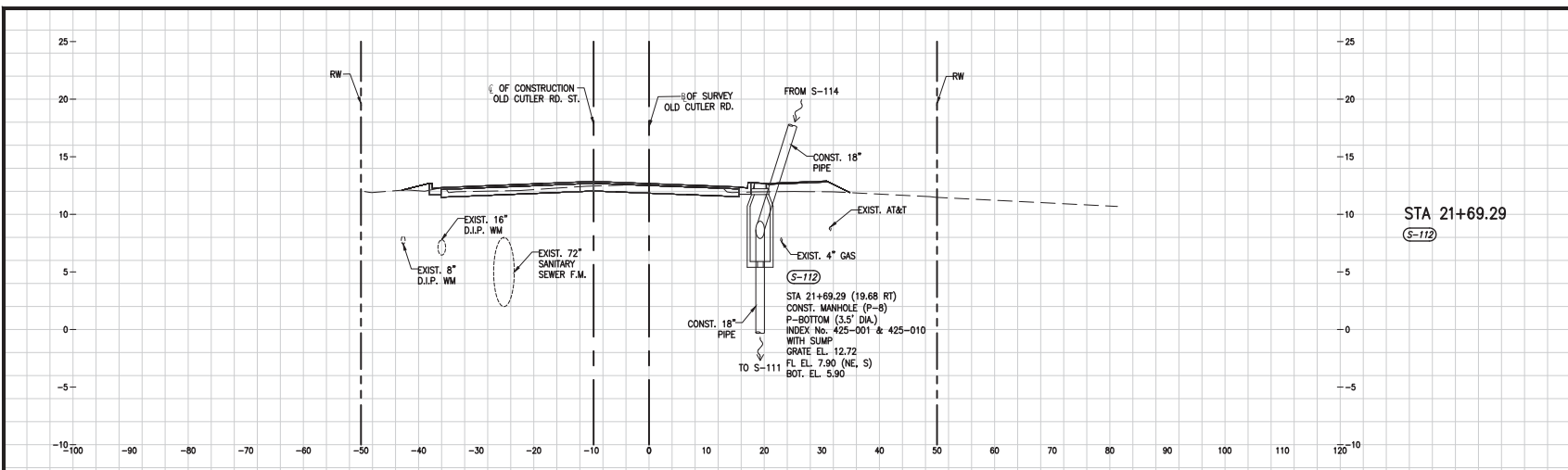
MARLIN
ENGINEERING
ANGEL ABN FREDA | P.E. No.: 77500
3363 W. COMMERCIAL BLVD. SUITE 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY:	NAME	DATE	DRAWN BY:	NAME	DATE
CHECKED BY:	R.L.		M.P.		
DATE:	A.F.		A.F.		
SUPERVISED BY:					

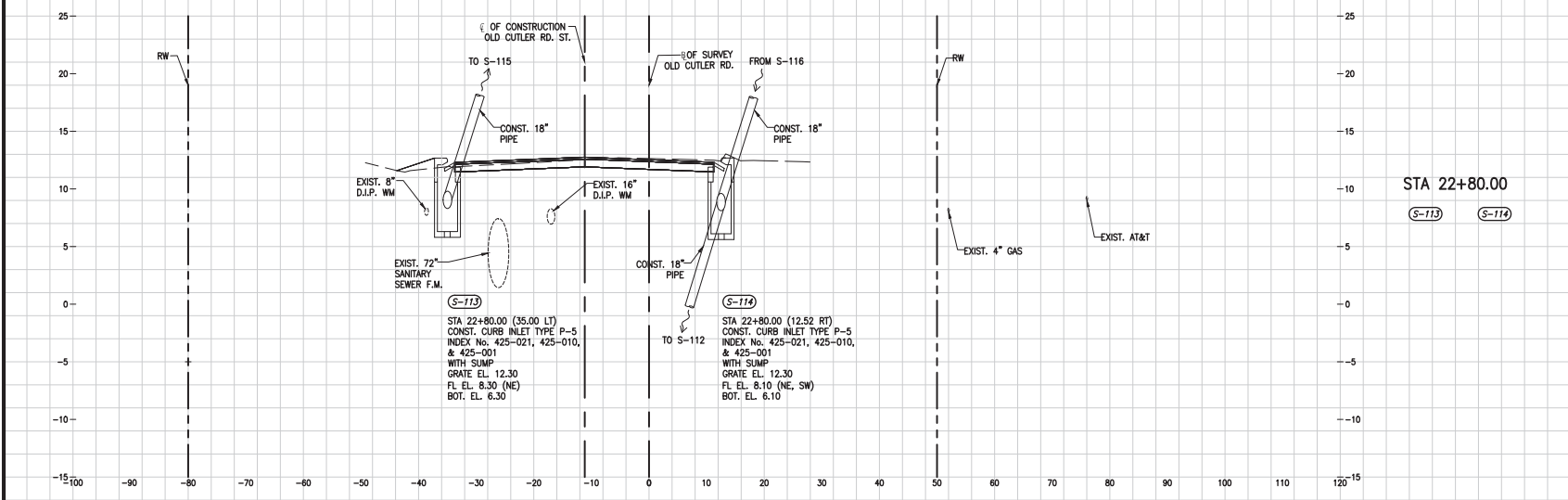
DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
HIGHWAY DIVISION
MIAMI-DADE COUNTY
STEPHEN F. CLARK, CIVIL ENGINEER
1818 N.W. 25 ST.
MIAMI, FLORIDA 33135

DRAINAGE STRUCTURES

OLD CUTLER RD.



STA 21+69.29
 (S-112)



STA 22+80.00
 (S-113) (S-114)

SCALE
 1"=10' HORIZONTAL
 1"=5' VERTICAL

OLD CUTLER RD. &
 SW 184 ST (EUREKA DR.)

A:\DESIGN\20200119\0405\005_LDP_184\184_Cutler_Roundabout\DWG\184_SW184\0405-12-16-21.dwg - Old Cutler Roundabout\DWG\184_SW184\0405-12-16-21.dwg - 5:56pm - JFINDER

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

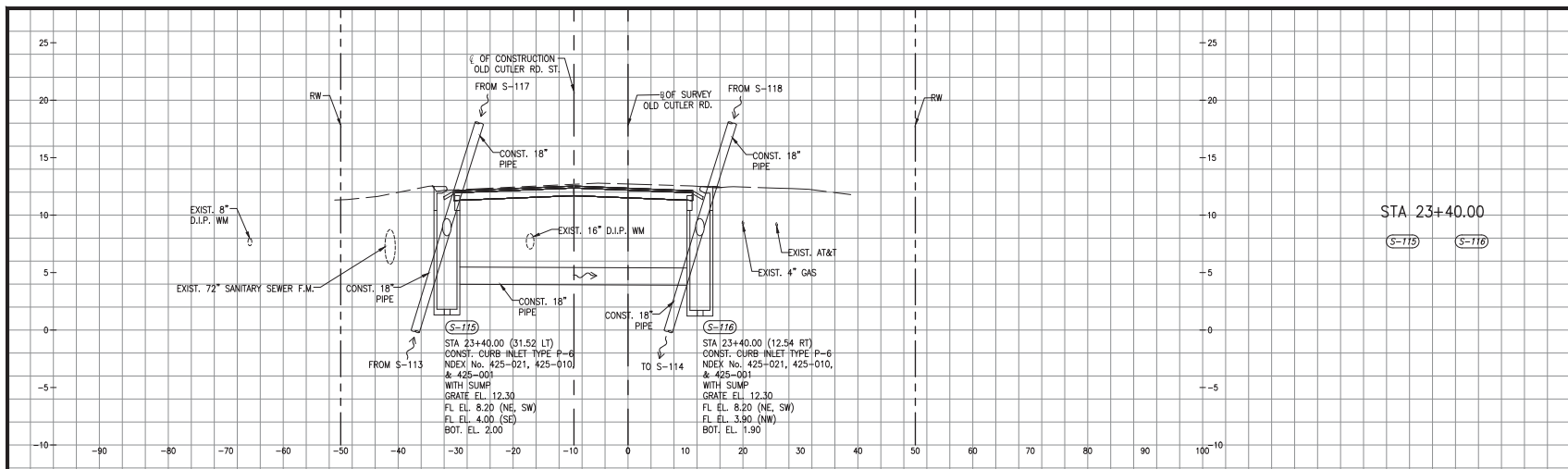
MARLIN
 ENGINEERING
 ANCEL ABN FREDA | P.E. No.: 77550
 3363 W. COMMERCIAL BLVD. SU. 115 | FT. LAUDERDALE, FL 33309
 P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.			M.F.	
CHECKED BY	A.F.		CHECKED BY	A.F.	
SUPERVISED BY:					

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION
 STEPHEN F. CLARK, CHIEF
 185 NW 1 ST.
 MIAMI, FLORIDA 33138

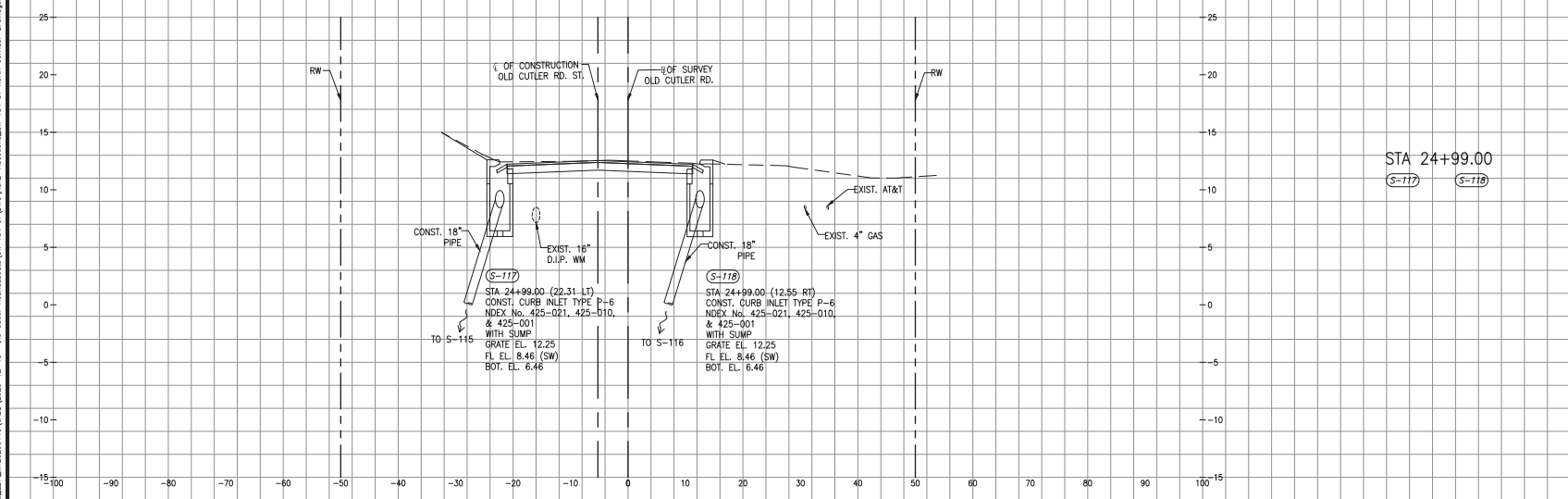
DRAINAGE STRUCTURES

OLD CUTLER RD.



STA 23+40.00

(S-115) (S-116)



STA 24+99.00

(S-117) (S-118)

SCALE
 1"=10' HORIZONTAL
 1"=5' VERTICAL

OLD CUTLER RD. & SW 184 ST (EUREKA DR.)

A:\PERSON\20200119\005_LDP_1920200119\005\005-12-18-18- Old Cutler Roundabout\DWG 184 ST North Corridor-Drainage\184 ST North Corridor-Drainage.dwg Nov 04, 2021 - 5:56pm JFINDER

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

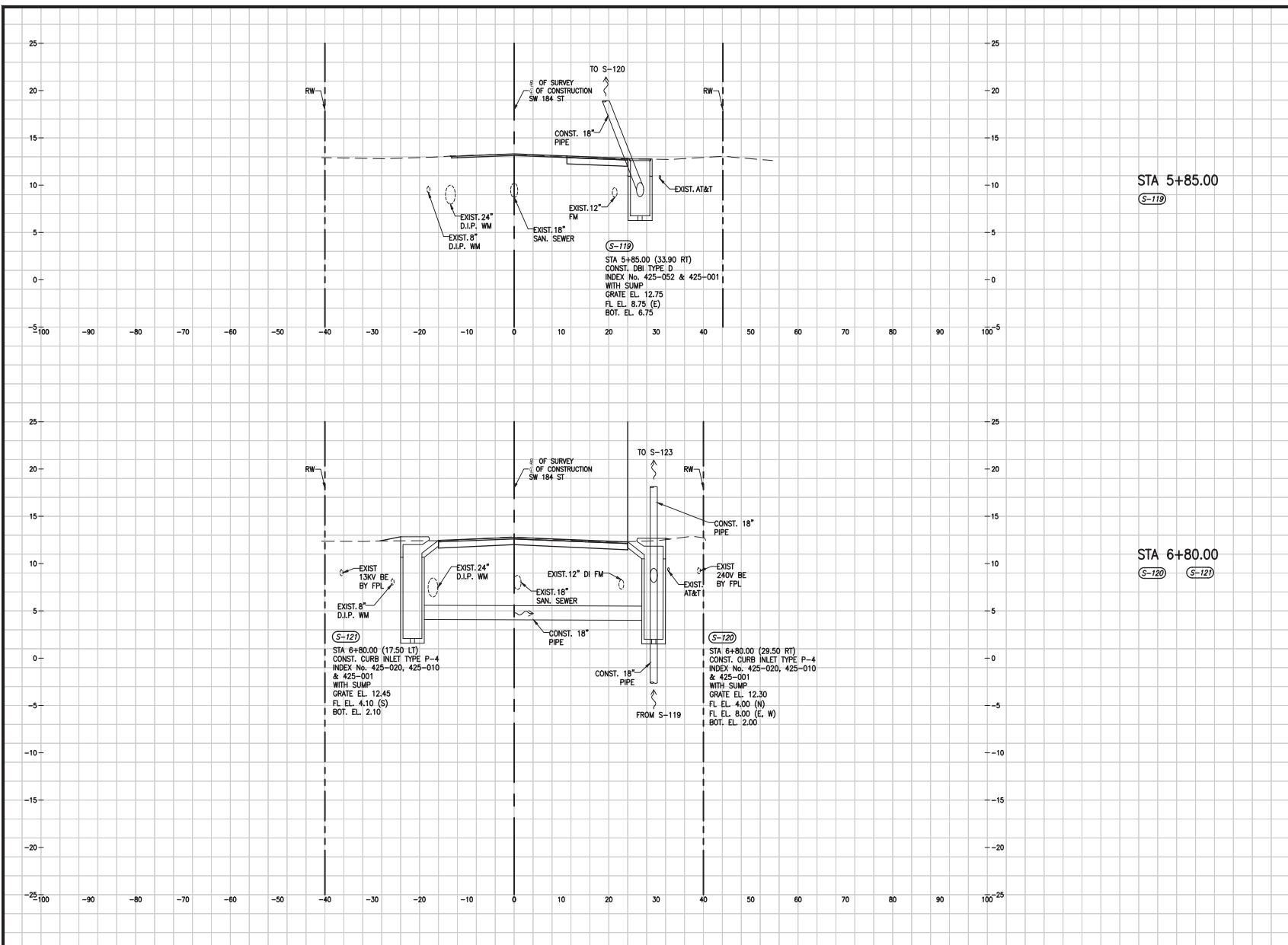
MARLIN
 ENGINEERING
 ANCEL ABN FREDA | P.E. No.: 77550
 3363 W. COMMERCIAL BLVD. Ste. 115 | FT. LAUDERDALE, FL 33309
 P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	DATE	NAME	DATE	NAME	DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
MIAMI-DADE COUNTY
 HIGHWAY DIVISION
 STEPHEN P. CLARK, CHIEF
 180 N.W. ST.
 MIAMI, FLORIDA 33138

DRAINAGE STRUCTURES

SW 184 ST (EUREKA DR.)



STA 5+85.00
(S-119)

STA 6+80.00
(S-120) (S-121)

SCALE
1"=10' HORIZONTAL
1"=5' VERTICAL

OLD CUTLER RD. &
SW 184 ST (EUREKA DR.)

DRAINAGE STRUCTURES

K:\DESIGN\20200119\005_LDP_1920200119\005_VAD-000-12-18-18-04\Culer Roundabout\SW 184 ST West Corridor-Drainage.dwg, Nov 04, 2021 - 5:58pm af398c

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

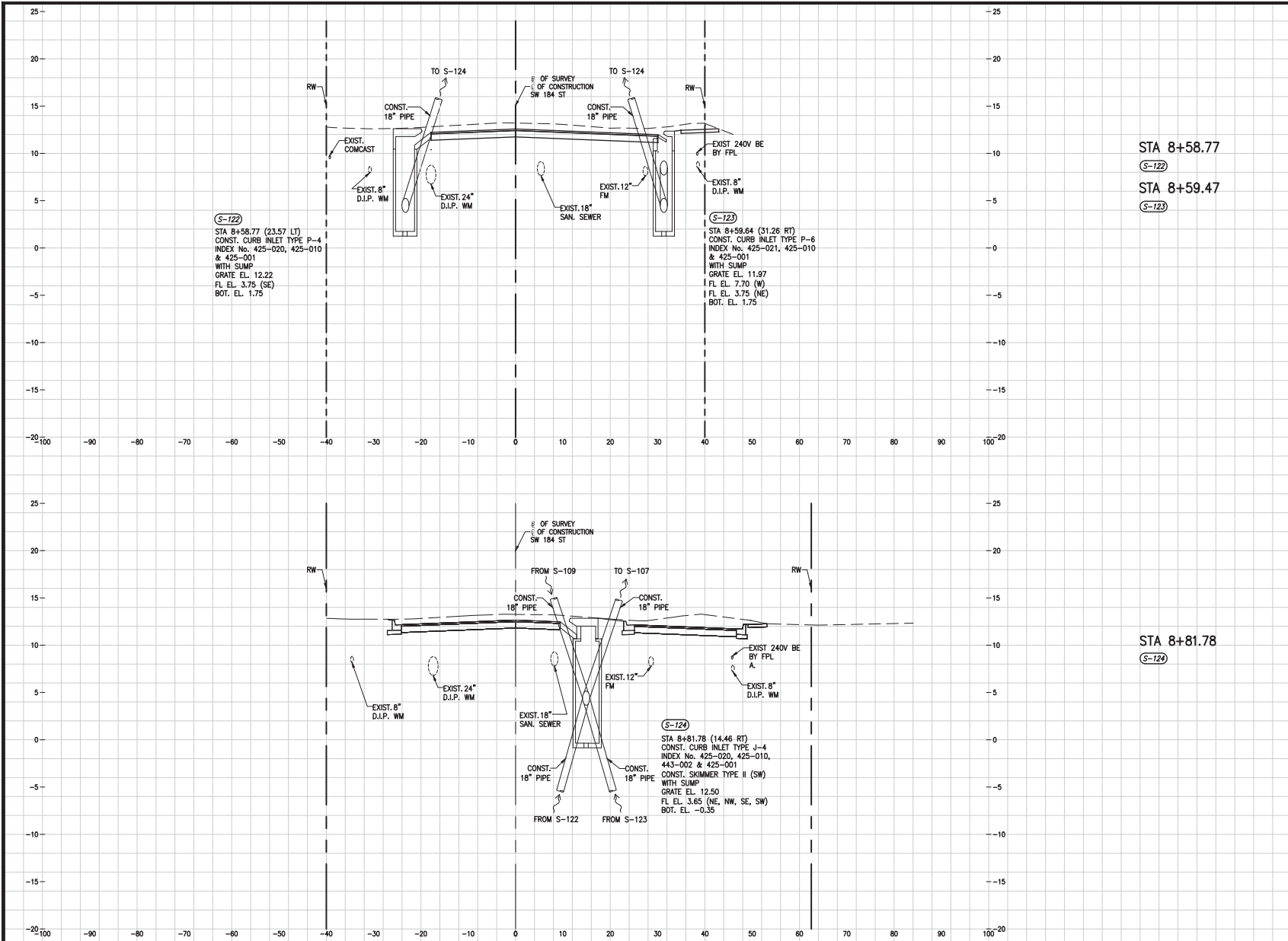
MARLIN
ENGINEERING
ARCEL AHN FREDA | P.E. No.: 77550
3363 W. COMMERCIAL Blvd. Ste. 115 | Ft. Lauderdale, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	
SUPERVISED BY					

DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
HIGHWAY DIVISION
MIAMI-DADE COUNTY
STEPHEN F. CLARK, DIVISION
MANAGER
100 N.W. 1ST
MIAMI, FLORIDA 33138

A:\PERSONAL\20200119\0405\020-12-18-04\Old Cutler Roundabouts\SW 184 ST West Corridor-Drainage.dwg, SW 184 ST West Corridor-Drainage.dwg, Nov 04, 2021 - 5:58pm, af398CR

SW 184 ST (EUREKA DR.)



STA 8+58.77
 (S-122)
 STA 8+59.47
 (S-123)

STA 8+81.78
 (S-124)

SCALE
 1"=10' HORIZONTAL
 1"=5' VERTICAL

OLD CUTLER RD. & SW 184 ST (EUREKA DR.)

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
 ENGINEERING
 ANGEL ABIN FREDA | P.E. No.: 77550
 3363 W. COMMERCIAL BLVD. SUITE 115 | FT. LAUDERDALE, FL 33309
 P: 954.870.5070 | C.A. No. 6104

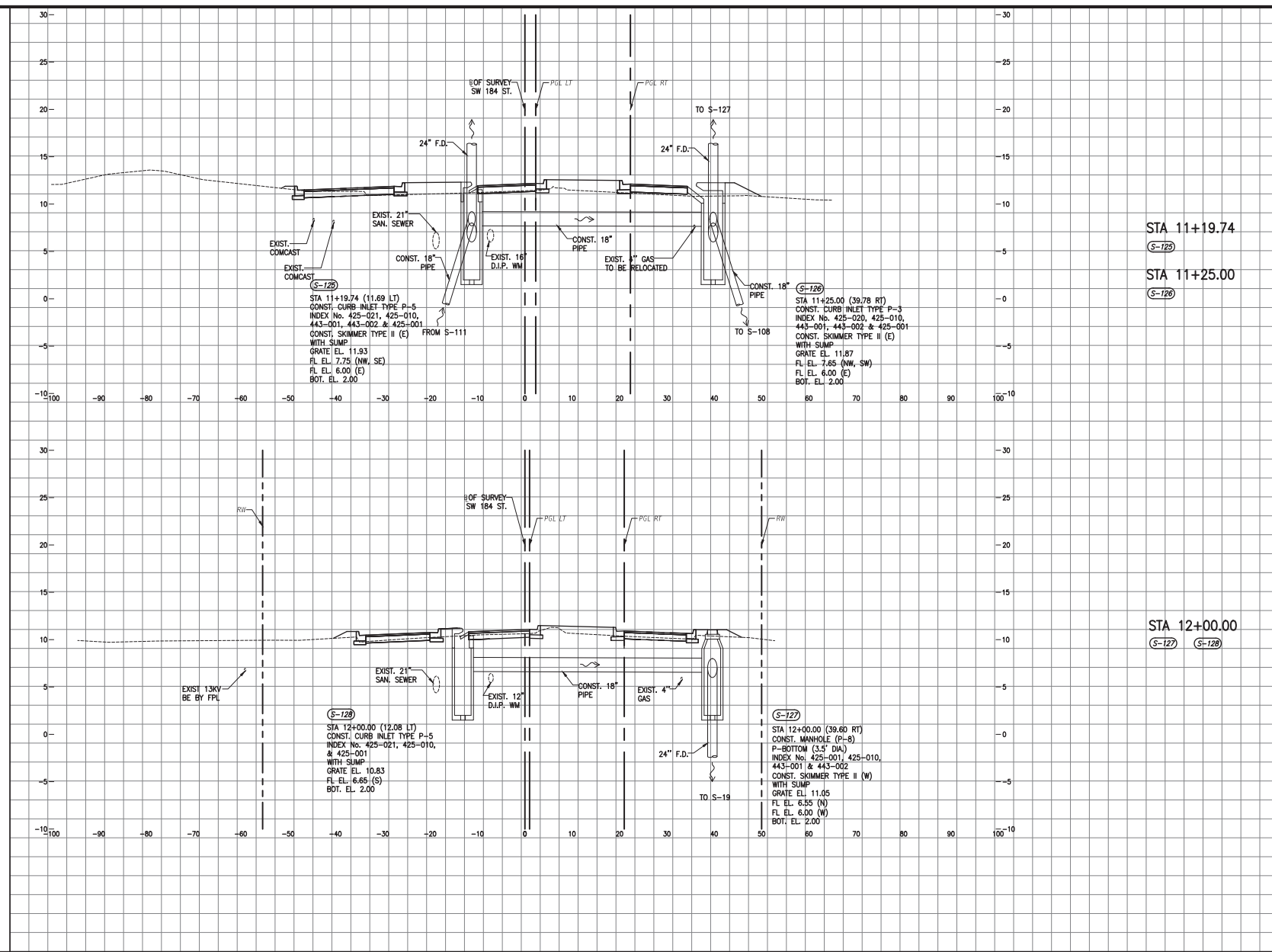
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
MIAMI-DADE COUNTY
 HIGHWAY DIVISION
 STEPHEN F. CLARK, DIVISION MANAGER
 100 N.W. 1ST AVENUE, SUITE 1000
 MIAMI, FLORIDA 33138

DRAINAGE STRUCTURES

K:\PROJECTS\20200119\0405\0405-12-16-16- Old Cutler Roundabouts\SW 184 ST East Corridor-Dimensional New 04, 2021 - 5:37pm.dwg

SW 184 ST (EUREKA DR.)



STA 11+19.74
(S-125)
STA 11+25.00
(S-126)

STA 12+00.00
(S-127) (S-128)

SCALE
1"=10' HORIZONTAL
1"=5' VERTICAL

OLD CUTLER RD. &
SW 184 ST (EUREKA DR.)

DRAINAGE STRUCTURES

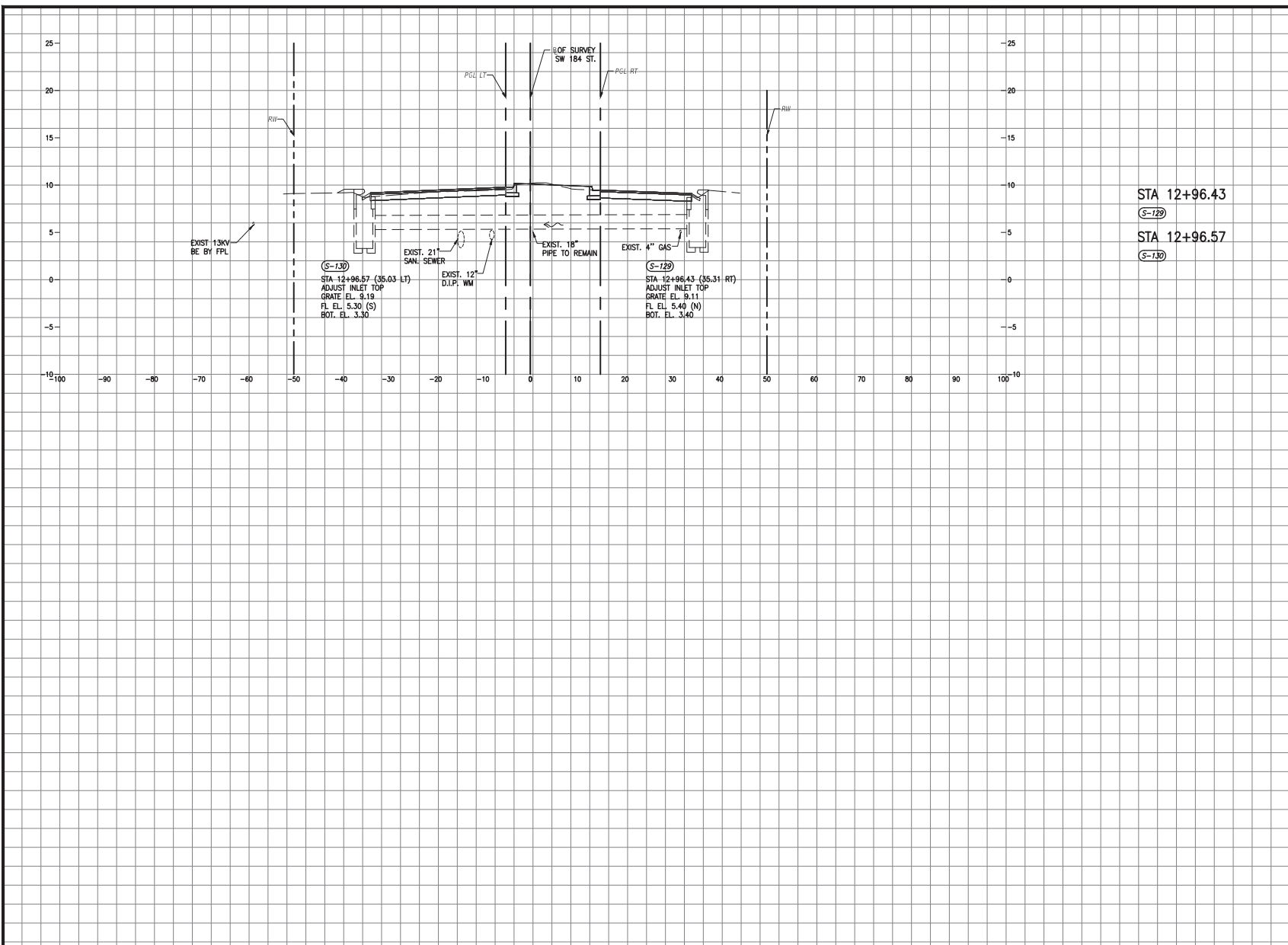
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
ENGINEERING
ARCEL AHN FREDA | P.E. No.: 77550
3363 W. COMMERCIAL BLVD. Ste. 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

NAME	DATE	NAME	DATE
DESIGNED BY: R.L.		DRAWN BY: M.P.	
CHECKED BY: A.F.		CHECKED BY: A.F.	
SUPERVISED BY:			

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
MIAMI-DADE COUNTY
STEPHEN F. CLARK, DIVISION MANAGER
115 SW 1 ST.
MIAMI, FLORIDA 33135

SW 184 ST (EUREKA DR.)



STA 12+96.43
 S-129
 STA 12+96.57
 S-130

SCALE
 1"=10' HORIZONTAL
 1"=5' VERTICAL

OLD CUTLER RD. &
 SW 184 ST (EUREKA DR.)

K:\ISSUES\20200119\005_LDP_1920200119\005\005-12-18-04_Culer Roundabouts\SW 184 ST\WWS\WWS-184\184 ST\WWS\WWS-184\184 ST East Corridor-Dimensional New DWG.dwg, 2021 - 5:37pm, af1980r

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
 ENGINEERING
 ANCEL AHN FREDA | P.E. No.: 77500
 3363 W. COMMERCIAL BLVD. SU. 115 | FT. LAUDERDALE, FL 33309
 P: 954.870.5070 | C.A. No. 6104

DESIGNED BY:	NAME	DATE	DRAWN BY:	NAME	DATE
CHECKED BY:	R.L.		M.P.		
	A.F.		A.F.		
SUPERVISED BY:					

MIAMI-DADE COUNTY
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
 STEPHEN F. CLARK CENTER
 100 NW 1 ST.
 MIAMI, FLORIDA 33138

DRAINAGE STRUCTURES

NOTES:

1. CONTRACTOR TO PROVIDE TO THE COUNTY AT THE TIME OF THE PROJECT COMPLETION AN EXTRA NUMBER OF COMPLETE LIGHTING ASSEMBLIES, THEY SHALL BE FACTORY PACKAGED AND DELIVERED TO DESIGNATED COUNTY FACILITY. NUMBER OF EXTRA LIGHTING ASSEMBLIES TO BE CALCULATED AS 20% OF THE NUMBER OF LIGHT POLES LUMINAIRES INSTALLED.

PAY ITEM NOTES:

- INSTALLATION SHALL COMPLY WITH MIAMI-DADE COUNTY, STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION TRAFFIC DESIGN STANDARD AND THE NATIONAL ELECTRIC CODE.
- INCIDENTAL ITEMS OR ACCESSORIES REQUIRED TO COMPLETE THE WORK FOR EACH ITEM BID SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THAT SPECIFIC ITEM AS INDICATED IN THE BID FORMS SUCH AS, BUT NOT LIMITED TO: ELBOWS, SPLIT BOLT CONNECTORS, FUSES & FUSE HOLDER, ELECTRICAL TAPE, SCOTCHKOTE, P.V.C. GLUE, TRENCHING, BACKFILLING, PAVEMENT RESTORATION, CONCRETE SLAB REPLACEMENT, ETC.
- PAY ITEM 639-1-121 PAYMENT FOR ELECTRICAL SERVICE INCLUDES FURNISHING AND INSTALLING ALL ITEMS AS DEPICTED ON SERVICE POINT DETAIL THIS PLANS AND MIAMI-DADE COUNTY SERVICE POINT DETAILS FROM PICK-UP POINT TO LOAD CENTER.
- PAY ITEM NO. 715-1-113E FOR CONDUCTOR SHALL BE BASED ON THE LINEAR FEET OF THREE CONDUCTORS IN CONDUIT, 2-#6 RHW AND 1-#6 THW GND IN HORIZONTAL MEASUREMENT. NO ALLOWANCE SHALL BE MADE FOR CONNECTION IN PULL BOXES AND CABINETS. ALL CONDUCTOR USE/ RHW-XLP AS SPECIFIED IN FOOT SECTION 992 AND AS PER MIAMI-DADE COUNTY MAINTENANCE AGENCY SPECIFICATIONS. OTHER TYPE OF CABLE SHALL NOT BE ALLOWED (EXCEPT GROUND WIRE WHICH SHALL BE THWN).
- PAY ITEM NO. 630-2-12 FOR CONDUIT SHALL BE BASED ON THE HORIZONTAL PATH OF THE INSTALLED CONDUIT AS MEASURED BETWEEN THE CENTER OF PULL BOXES, CABINETS, ETC.. NO ALLOWANCE SHALL BE MADE FOR SWEEPS OR VERTICAL DISTANCES ABOVE OR BELOW GROUND. INCLUDES CONDUIT, ELBOWS, SWEEPS, CONNECTING HARDWARE, TRENCHING AND BACKFILLING AS PER THE PLANS AND STANDARD INDEXES. ALSO INCLUDES THE COST OF RESTORING CUT PAVEMENT, SIDEWALKS, SOB, AND ETC. TO ITS ORIGINAL CONDITION.

- PAY ITEM 715-7-11 PAYMENT FOR LOAD CENTER SHALL INCLUDE FURNISHING AND INSTALLING ALL ITEMS AS DEPICTED ON MIAMI-DADE COUNTY SERVICE POINT DETAILS.
- PAY ITEM 635-2-11 INCLUDES GROUND ROD, GROUND WIRE, ROCKS AND CLAMPS.
- PAY ITEM NO. 715-516-620 & 715-518-616 INCLUDES THE COST OF FURNISHING AND INSTALLING ALL FEATURES DEPICTED ON DETAIL ON THIS PLANS INCLUDING: FOUNDATION AND ALL MOUNTING HARDWARE. CONTRACTOR TO INCLUDE IN BID PRICE THE COST FOR TRIMMING TREES AS REQUIRED. IF ALTERNATE FOOTING DESIGN IS REQUIRED DO TO CONFLICT WITH UTILITIES, THEN SUCH ALTERNATE FOOTING SHALL BE INCLUDED IN LIGHT POLE PAY-ITEM LISTED IN THIS NOTE. IN ADDITION, IT INCLUDES THE COST OF FURNISHING 20% OF EXTRA NUMBER OF COMPLETE ASSEMBLIES AS PER NOTE 1.
 - FOR SW 152 ST: TOTAL EXTRA 9 ASSEMBLIES (1 DBL TOP MOUNT AS, PAY ITEM 715-518-616 & 8 SINGLE TOP MOUNT AS, PAY ITEM 715-516-620) ADDED TO QUANTITIES FOR SHEET 119.
 - FOR SW 184 ST: TOTAL EXTRA 8 ASSEMBLIES (2 DBL TOP MOUNT AS, PAY ITEM 715-518-616 & 6 SINGLE TOP MOUNT AS, PAY ITEM 715-516-620) ADDED TO QUANTITIES FOR SHEET 124.
- TRANSFORMER CONNECTION AND ALL WORK RELATED TO ELECTRICAL POWER SERVICE SHALL BE COORDINATED WITH F.P.&L REPRESENTATIVE MR. TOM HODGDON TELEPHONE NO. (305) 442-5128.

**TABULATION OF LIGHTING QUANTITIES
SW 152nd ST. AND OLD CUTLER RD.**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBER										TOTAL THIS SHEET		GRAND TOTAL			
			119		120		121		122		123		ORIG.	FINAL	ORIG.	FINAL		
			ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL						
102-30-13	TEMPORARY HIGHWAY LIGHTING (ILLUMINATING ROADWAY)	LS	1		0		0		0		0		0		1		1	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	350		1758		410		350		555		3423				3423	
635-2-11	PULL & SPLICE BOX, FURNISH & INSTALL, 13"x24" COVER SIZE	EA	4		29		6		5		7		51				51	
639-1-121	ELECTRIC POWER SERVICE UNDERGROUND, METER FURNISHED BY POWER COMPANY	AS	0		1		0		0		0		1				1	
715-1-113E	CONDUCTOR - FURNISH AND INSTALL THREE CONDUCTOR SET OF 2-#6 RHW-XLP STRANDED BLACK AND WHITE WITH 1-#6 THWN GREEN	LF	1050		5274		1230		1050		1665		10269				10269	
715-7-11	LOAD CENTER (INCLUDES SWITCH, WEATHERHEAD & WIRE AT SERVICE POINT)	EA	0		1		0		0		0		1				1	
715-500-1	POLE CABLE DISTRIBUTION SYSTEM (CONVENTIONAL) (INSTALLATION ONLY MIAMI-DADE WILL SUPPLY KIT)	EA	4		21		6		5		7		43				43	
715-516-620	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&L POLE TOP MOUNT, CAST IRON, 16'	EA	12	*	18		6		5		7		48				48	
715-518-616	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&L POLE TOP MOUNT, DOUBLE ARM, CAST IRON, 16'	EA	1	*	3		0		0		0		4				4	

* : FOR DESCRIPTION OF ADDITIONAL LIGHT POLES ADDED TO SHEET L5 REFER TO NOTES AND PAY ITEM NOTE #6 THIS SHEET.

SW 152nd ST. AND OLD CUTLER RD.

K:\DESIGN\20220119\0405\Lighting\TBL - Light - DMS.dwg New 04_04_2021 - 5:27pm - WEMER

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
ENGINEERING
ARIEL ABIN FREDA | P.E. No.: 77550
3343 W. COMMERCIAL Blvd. Ste. 115 | Ft. Lauderdale, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.		M.P.		
CHECKED BY	A.F.		CHECKED BY	A.F.	

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLAY CENTER
1600 N. W. 25th St.
MIAMI, FLORIDA 33128

TABULATION OF LIGHTING QUANTITIES

TABULATION OF LIGHTING QUANTITIES
SW 184th ST. AND OLD CUTLER RD.

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBER										TOTAL THIS SHEET		GRAND TOTAL	
			124		125		126		127		128		ORIG.	FINAL	ORIG.	FINAL
			ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL				
102-30-13	TEMPORARY HIGHWAY LIGHTING (ILLUMINATING ROADWAY)	LS	1	0	0	0	0	0	0	0	0	1	1			
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	LF	280	1700	495	640	210	3325	3325							
635-2-11	PULL & SPLICE BOX, F&I, 13"X24" COVER SIZE	EA	3	28	6	7	3	47	47							
639-1-121	ELECTRIC POWER SERVICE UNDERGROUND, METER FURNISHED BY POWER COMPANY	AS	0	1	0	0	0	1	1							
715-1-113E	CONDUCTOR - FURNISH AND INSTALL THREE CONDUCTOR SET OF 2-#6 RHW-XLP STRANDED BLACK AND WHITE WITH 1-#6 THWN GREEN	LF	840	5100	1485	1920	630	9975	9975							
715-7-11	LOAD CENTER (INCLUDES SWITCH, WEATHERHEAD & WIRE AT SERVICE POINT)	EA	0	1	0	0	0	1	1							
715-800-1	POLE CABLE DISTRIBUTION SYSTEM (CONVENTIONAL) (INSTALLATION ONLY MIAMI-DADE WILL SUPPLY KIT)	EA	3	21	6	7	3	40	40							
715-616-620	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I, POLE TOP MOUNT, CAST IRON, 16'	EA	9	16	6	7	0	38	38							
715-616-616	LIGHT POLE COMPLETE-SPECIAL DESIGN, F&I, POLE TOP MOUNT, DOUBLE ARM, CAST IRON, 16'	EA	2	5	0	0	3	10	10							

* : FOR DESCRIPTION OF ADDITIONAL LIGHT POLES ADDED TO SHEET 124 REFER TO NOTES AND PAY ITEM NOTE #8 SHEET 115 (TABULATION OF LIGHTING QUANTITIES).

SW 184th ST. AND OLD CUTLER RD.

K:\DESIGN\20220119\000_LDP_07262021\19\000\Lighting\TBL - Light - QMS.dwg New 04. 2021 - 5:27pm - FEMER

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
ENGINEERING
ANGEL ABRN FREDA | P.E. No.: 77550
3343 W. COMMERCIAL Blvd. Ste. 115 | Ft. Lauderdale, FL 33309
P: 954.870.5070 | C.A. No. 6104

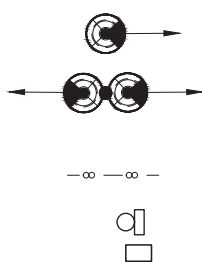
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK CENTER
1000 N.W. 25th St.
MIAMI, FLORIDA 33128

TABULATION OF LIGHTING QUANTITIES

LEGEND

SYMBOLS



DESCRIPTION

85 WATT (3000K) LED LUMINAIRE, DESIGNED FOR VERY SHORT, TYPE III DISTRIBUTION (GENERAL ELECTRIC CURVE EPAS02_B OR EQUAL. LAMP SHALL PRODUCE MINIMUM OF 7800 INITIAL LUMENS. WIRED FOR 240 VOLT OPERATION. CONTROLS: ANSI C136.41 7 PIN PE RECEPTACLE WITH SHORTING CAP. (TOP MOUNT - SGL LAMP) INCLUDES A PULL BOX AT EACH POLE (PAID SEPARATELY).

85 WATT (3000K) LED LUMINAIRE, DESIGNED FOR VERY SHORT, TYPE III DISTRIBUTION (GENERAL ELECTRIC CURVE EPAS02_B OR EQUAL. LAMP SHALL PRODUCE MINIMUM OF 7800 INITIAL LUMENS (EA. LAMP) WIRED FOR 240 VOLT OPERATION. CONTROLS: ANSI C136.41 7 PIN PE RECEPTACLE WITH SHORTING CAP. (TOP MOUNT - DBL LAMP) INCLUDES A PULL BOX AT EACH POLE (PAID SEPARATELY).

2" SCHEDULE 40 PVC CONDUIT WITH RHW - XLP CONDUCTORS AND 1 # THIN GREEN INSULATED STRANDED GROUND INSIDE EA. CONDUIT AS INDICATED IN THE PLAN DETAIL.

SERVICE POINT

PULL BOXES REQUIRED AT:

- THREE (3) PULL BOXES AT BASE OF SERVICE POLE.
- AT BASE AT EACH POLE.
- AS NECESSARY FOR COMPLETION OF THE PROJECT.

LIGHTING DESIGN CRITERIA

SW 152ND ST. AND OLD CUTLER RD.
1. AVERAGE MAINTAINED ILLUMINATION = 2.38 F.C.
2. UNIFORMITY RATIO (3.0 : 1 TO 4.0 : 1) = 3.97
3. MAXIMUM TO MINIMUM RATIO (LESS THAN 10 : 1) = 8.17
4. LIGHT SOURCE = LED.
6. WIND SPEED =160 MPH

SW 184TH ST. AND OLD CUTLER RD.
1. AVERAGE MAINTAINED ILLUMINATION = 2.58 F.C.
2. UNIFORMITY RATIO (3.0 : 1 TO 4.0 : 1) = 3.69
3. MAXIMUM TO MINIMUM RATIO (LESS THAN 10 : 1) = 8.71
4. LIGHT SOURCE = LED.
6. WIND SPEED =160 MPH

POLE DATA

SW 152ND ST. AND OLD CUTLER RD.

POLE NO.	STATION	DIST. OR ARM	LUMINAIRE WATTAGE (EA. LAMP)	M.H.	POLE SET BACK AND NOTES	FINAL
1	9+31.8	TOP MOUNT	85 W	16'	49.0 R	
2	8+59.8	TOP MOUNT	85 W	16'	37.9 R	
3	7+67.1	TOP MOUNT	85 W	16'	38.6 R	
4	6+75.4	TOP MOUNT	85 W	16'	32.2 R	
5	6+00.1	TOP MOUNT	85 W	16'	29.1 R	
6	6+44.7	TOP MOUNT	85 W	16'	32.5 L	
7	7+52.2	TOP MOUNT	85 W	16'	29.8 L	
8	8+48.5	TOP MOUNT	85 W	16'	29.4 L	
9	9+25.8	TOP MOUNT	85 W	16'	37.6 L	
10	21+24.7	TOP MOUNT	85 W	16'	43.2 L	
11	21+87.9	TOP MOUNT	85 W	16'	39.8 L	
12	22+54.4	TOP MOUNT	85 W	16'	41.0 L	
13	23+37.0	TOP MOUNT	85 W	16'	38.1 L	
14	23+99.8	TOP MOUNT	85 W	16'	34.1 L	
15	24+66.7	TOP MOUNT	85 W	16'	32.9 L	
16	18+67.5	TOP MOUNT	85 W	16'	38.4 L	
17	17+85.1	TOP MOUNT	85 W	16'	35.0 L	
18	17+00.1	TOP MOUNT	85 W	16'	32.9 L	
19	16+05.5	TOP MOUNT	85 W	16'	30.6 L	
20	15+53.1	TOP MOUNT	85 W	16'	31.2 R	
21	16+61.1	TOP MOUNT	85 W	16'	36.0 R	
22	17+53.7	TOP MOUNT	85 W	16'	40.1 R	
23	18+38.4	TOP MOUNT	85 W	16'	45.1 R	
24	19+43.0	TOP MOUNT	85 W	16'	71.0 R	
25	19+98.9	DBL ARM	85 W	16'	83.6 R	
26	20+71.3	DBL ARM	85 W	16'	3.6 R	
27	19+95.5	TOP MOUNT	85 W	16'	16.0 L	
28	19+23.7	DBL ARM	85 W	16'	1.1 L	
29	11+50.1	TOP MOUNT	85 W	16'	37.4 R	
30	12+28.7	TOP MOUNT	85 W	16'	40.2 R	
31	12+93.7	TOP MOUNT	85 W	16'	38.8 R	
32	13+81.8	TOP MOUNT	85 W	16'	39.6 R	
33	14+71.2	TOP MOUNT	85 W	16'	29.2 L	
34	13+99.6	TOP MOUNT	85 W	16'	31.6 L	
35	13+11.8	TOP MOUNT	85 W	16'	34.5 L	
36	12+26.6	TOP MOUNT	85 W	16'	39.5 L	
37	11+52.8	TOP MOUNT	85 W	16'	39.6 L	
38	10+70.1	TOP MOUNT	85 W	16'	56.0 L	
39	21+35.9	TOP MOUNT	85 W	16'	48.7 R	
40	22+13.8	TOP MOUNT	85 W	16'	38.9 R	
41	22+94.1	TOP MOUNT	85 W	16'	40.5 R	
42	23+89.5	TOP MOUNT	87 W	16'	48.0 R	
43	24+77.4	TOP MOUNT	88 W	16'	47.6 R	

GENERAL NOTES

- POWER COMPANY SHALL PROVIDE INCOMING SERVICE AT LOCATION SPECIFIED IN ACCORDANCE WITH THE PLANS. THE DATE REQUIRED FOR INCOMING SERVICE TO BE COMPLETED MUST BE COORDINATED BY THE CONTRACTOR WITH THE POWER COMPANY AT THE PRE CONSTRUCTION MEETING.
- ALL EXPOSED CONDUIT OR SURFACE MOUNTED CONDUIT SHALL BE GALVANIZED STEEL AND GROUNDING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND STRUCTURAL CONFLICTS IN COOPERATION WITH THE UTILITY COMPANY(S).
- STATIONING MAY BE ADJUSTED AS DIRECTED TO AVOID UTILITY OR STRUCTURAL CONFLICTS NOT INDICATED IN THE PLANS.
- SIDEWALK SLABS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN FULL AND COLORED WHEN NECESSARY TO MATCH THE EXISTING SIDEWALK.
- CONTRACTOR MUST MAINTAIN THE EXISTING LIGHTING SYSTEM IN OPERATION OR SUPPLY A TEMPORARY ONE UNTIL THE NEW LIGHTING SYSTEM CAN BE ACTIVATED. IF THE EXISTING LIGHTING SYSTEM IS OWNED BY F.P.&L, SEE FDOT SPECIFICATION FOR ROADWAY LIGHTING SPECIAL PROVISIONS, SECTION 715.
- ALL MATERIAL, UNLESS OTHERWISE SPECIFIED, SHALL BE UNDERWRITERS LABORATORY APPROVED.
- POLES, BRACKET ARMS, AND TRANSFORMER BASES SHALL BE ALUMINUM AND DESIGNED IN ACCORDANCE WITH LOCAL DESIGN CRITERIA USING THE APPLICABLE EQUATIONS FOUND IN THE AASHTO PUBLICATION "STANDARD SPECIFICATIONS FOR HIGHWAY, SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS," CURRENT EDITION.
- THE WIRES AT THE POLE, HANDHOLE, AND PULL BOXES SHALL BE LOOPED AS INDICATED IN THE PLAN DETAIL WITH SUFFICIENT LENGTH TO COMPLETELY REMOVE CONNECTORS TO THE OUTSIDE, TO MAKE THEM ACCESSIBLE FOR CHANGING FUSES AND TROUBLE SHOOTING THE SYSTEM.
- THE LUMINAIRE MANUFACTURER SHALL PLACE A PERMANENT TAG ON THE LUMINAIRE HOUSING ON WHICH IS IMPRINTED THE FOLLOWING INFORMATION: WATTAGE, BALLAST TYPE, LAMP SHOWN ON DESIGN PLANS, LAMP SETTING (POSITION IN LUMINAIRE), I.E.S. LIGHT DISTRIBUTION WITH THIS LAMP IN THE POSITION SPECIFIED, INPUT VOLTAGE AND POWER FACTOR, LUMINAIRE PHOTOMETRIC SUBMITTALS REQUIRED.
- GROUND RODS SHALL HAVE A RESISTANCE TO GROUND NOT TO EXCEED 25 OHMS. WHERE THE RESISTANCE IS NOT AS LOW AS 25 OHMS, TWO OR MORE GROUND RODS CONNECTED IN PARALLEL SHALL BE USED.
- CONTRACTOR WILL INCLUDE IN THE COST OF THE LIGHTING POLE ANY LEVELING AND GRADING REQUIRED TO INSURE THAT ALL POLES ARE INSTALLED AT THE PROPER ELEVATION.
- ALL SALVAGEABLE MATERIALS AND ALL MATERIALS TO BE FURNISHED BY THE CONTRACTOR SHALL BE TRANSPORTED AND OFF LOADED TO THE FOLLOWING LOCATION FOR INSPECTION AND ACCEPTANCE BY THE COUNTY:
MIAMI-DADE COUNTY MAINTENANCE YARD
7100 NW 36th STREET
MIAMI, FL 33166
TELEPHONE: (305) 592-3580
- CONTRACTOR MUST CONTACT BELL SOUTH, FP&L, AND ALL OTHER UTILITY COMPANIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND MUST NOTIFY ENGINEER AND MIAMI-DADE COUNTY IF FIELD CONDITIONS DIFFER FROM CONDITIONS INDICATED ON THESE DRAWINGS. IF AFTER LOCATING ALL UTILITIES IN AREA AROUND LIGHT POLE, IT APPEARS THAT THE STANDARD FOUNDATION IS IN CONFLICT, THEN CONTRACTOR SHALL CONTACT/COORDINATE TO OBTAIN AN ALTERNATE FOOTING DESIGN FROM ENGINEER OF RECORD.
- IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (N.E.C.) OR WITH THE MIAMI-DADE COUNTY STANDARDS, THE CONTRACTOR MUST IDENTIFY ALL CIRCUITS AND EQUIPMENT INCLUDING THE PROPOSED LIGHT POLE ASSEMBLIES.
- PULL BOXES, JUNCTION BOXES, AND ALL ELECTRICAL WORK MUST CONFORM TO N.E.C. (LATEST REQUIREMENTS), THE NATIONAL ELECTRICAL SAFETY CODE AND MIAMI-DADE COUNTY STANDARDS. CONTRACTOR TO COORDINATE WITH ROADWAY CONTRACTOR. ALL LIGHT POLE APRONS SHALL BE CONSTRUCTED BY ROADWAY, ALL APRONS RELATED TO SERVICE POINT AND FPL PICK-UP POINT SHALL BE CONSTRUCTED BY LIGHTING CONTRACTOR.
- USE PVC SCHEDULE 40 CONDUIT THROUGHOUT THE ENTIRE UNDERGROUND SYSTEM. AT STREET CROSSINGS THE CONDUIT SHOULD BE EMBEDDED IN 1:10 CONCRETE MIXTURE.
- ANY INCIDENTAL ITEMS OR ACCESSORIES REQUIRED TO COMPLETE THE WORK FOR A GIVEN BID ITEM, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THAT SPECIFIC ITEM AS INDICATED IN THE BID FORM. INCIDENTAL ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO: ELBORNS, SPLIT BOLT CONNECTORS, FUSES AND FUSE HOLDERS, ELECTRICAL TAPE, SCOTCHKOTE, PVC GLUE, TRENCHING, BACKFILLING, PAVEMENT RESTORATION, CONCRETE SLAB REPLACEMENT, ETC.
- POLES SHALL HAVE A FRANGIBLE TRANSFORMER BASE.
- ALL GROUNDING CONNECTIONS SHALL BE EXOTHERMICALLY WELDED FOLLOWING THE MANUFACTURER'S GUIDELINES.
- CONTRACTOR MUST MINIMIZE TRENCHING ACROSS STREETS BY COORDINATING THE LIGHT PLANS WITH THE SIGNALIZATION INTERCONNECT CONDUIT/WIRING AS DEPICTED ON THESE DRAWINGS.
- MAINTAINING AGENCY FOR LIGHTING IS MIAMI-DADE COUNTY. CONTRACTOR MUST CONTACT/COORDINATE WITH APPLICABLE COUNTY OFFICIALS AND INSPECTORS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN SAFE ACCESS TO SIDE STREETS, PRIVATE, AND COMMERCIAL DRIVEWAYS AT ALL TIMES DURING CONSTRUCTION.
- ALL CONDUIT TRENCHING MUST BE PROPERLY BACKFILLED TO PROVIDE SAFE CROSSING AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ONE BECOMES INACTIVE.
- THE CONTRACTOR MUST EXERCISE EXTREME CAUTION WHEN WORKING THE VICINITY OF EXISTING AND PROPOSED UNDERGROUND AND OVERHEAD UTILITIES.
- STREET LIGHTS MUST COMPLY WITH OSHA REQUIRED MINIMUM CLARENCE SEPARATION FROM FPL LINES AND COMMUNICATION LINES
- CONTRACTOR SHALL COORDINATE WITH COUNTY TO USE CORRECT COLOR ERE CODING FOR ENTIRE INSTALL.
- THE LOCATION AND SIZE OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE ONLY. NEITHER UTILITY DESIGNATES OR UTILITY LOCATES (Who) WHERE AVAILABLE. DURING THE DESIGN PHASE ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRICAL METHODS AND BY PRE-TRENCHING IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVE BY THE CONTRACTOR AND THE UTILITY OWNER WITH THE APPROVAL OF THE ENGINEER. THE WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

ANY MODIFICATIONS TO PROPOSED DRAINAGE STRUCTURES, AND/OR ADJUSTMENT TO LOCATION OF DRAINAGE STRUCTURES/LIGHT POLES ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

SW 152ND ST. AND OLD CUTLER RD.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
ENGINEERING
ARDEL ABRN FREDA | P.E. No.: 77550
3343 W. COMMERCIAL BLVD. Ste. 115 | Ft. Lauderdale, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	
SUPERVISED BY					

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK, CHIEF ENGINEER
MIAMI, FLORIDA 33138

POLE DATA, LEGEND & GENERAL NOTES

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POLE DATA
SW 184TH ST. AND OLD CUTLER RD.

POLE NO.	STATION	DIST. OR ARM	LUMINAIRE WATTAGE (EA LAMP)	M.H.	POLE SET BACK AND NOTES	FINAL
1	8+37.2	TOP MOUNT	85 W	16'	23.2 L	
2	7+60.8	TOP MOUNT	85 W	16'	26.9 L	
3	6+75.8	TOP MOUNT	85 W	16'	26.9 L	
4	5+90.8	TOP MOUNT	85 W	16'	27.0 L	
5	5+06.0	TOP MOUNT	85 W	16'	27.0 L	
6	5+45.3	TOP MOUNT	85 W	16'	33.7 R	
7	6+34.0	TOP MOUNT	85 W	16'	39.4 R	
8	7+19.2	TOP MOUNT	85 W	16'	33.4 R	
9	8+08.8	TOP MOUNT	85 W	16'	34.1 R	
10	8+82.3	TOP MOUNT	85 W	16'	58.8 R	
11	18+51.3	TOP MOUNT	85 W	16'	44.6 L	
12	17+61.4	TOP MOUNT	85 W	16'	39.5 L	
13	16+76.2	TOP MOUNT	85 W	16'	36.8 L	
14	15+91.3	TOP MOUNT	85 W	16'	34.1 L	
15	15+36.6	TOP MOUNT	85 W	16'	31.8 R	
16	16+21.6	TOP MOUNT	85 W	16'	32.6 R	
17	17+11.3	TOP MOUNT	85 W	16'	33.7 R	
18	17+98.2	TOP MOUNT	85 W	16'	34.6 R	
19	18+78.2	TOP MOUNT	85 W	16'	42.4 R	
20	19+57.4	TOP MOUNT	85 W	16'	76.8 R	
21	9+16.8	DBL ARM	85 W	16'	9.0 L	
22	9+70.1	DBL ARM	85 W	16'	56.6 R	
23	10+78.5	DBL ARM	85 W	16'	12.1 R	
24	11+60.1	TOP MOUNT	85 W	16'	8.1 R	
25	11+68.0	DBL ARM	85 W	16'	15.6 L	
26	12+43.4	DBL ARM	85 W	16'	2.6 R	
27	13+17.5	DBL ARM	85 W	16'	1.8 L	
28	13+96.5	DBL ARM	85 W	16'	5.0 L	
29	20+76.9	TOP MOUNT	85 W	16'	2.6 L	
30	20+77.3	DBL ARM	85 W	16'	40.9 R	
31	21+33.6	TOP MOUNT	85 W	16'	54.9 R	
32	21+83.9	TOP MOUNT	85 W	16'	33.0 R	
33	22+72.4	TOP MOUNT	85 W	16'	30.4 R	
34	23+57.5	TOP MOUNT	85 W	16'	33.0 R	
35	24+42.4	TOP MOUNT	85 W	16'	32.4 R	
36	20+42.5	TOP MOUNT	85 W	16'	71.0 L	
37	21+46.3	TOP MOUNT	85 W	16'	42.7 L	
38	22+26.5	TOP MOUNT	85 W	16'	42.8 L	
39	23+14.2	TOP MOUNT	85 W	16'	38.8 L	
40	23+99.3	TOP MOUNT	85 W	16'	33.8 L	

SW 184TH ST. AND OLD CUTLER RD.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

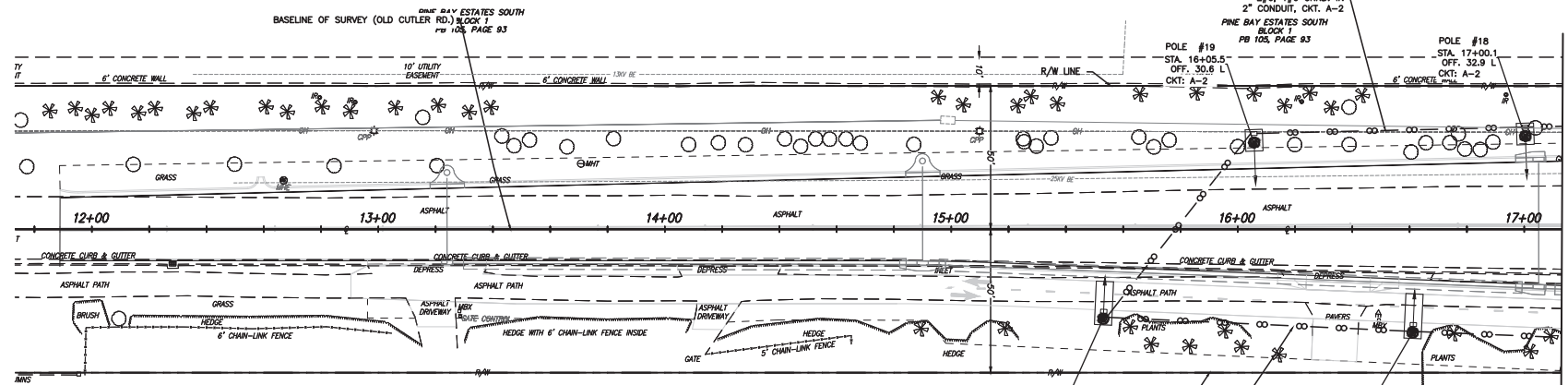
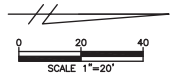
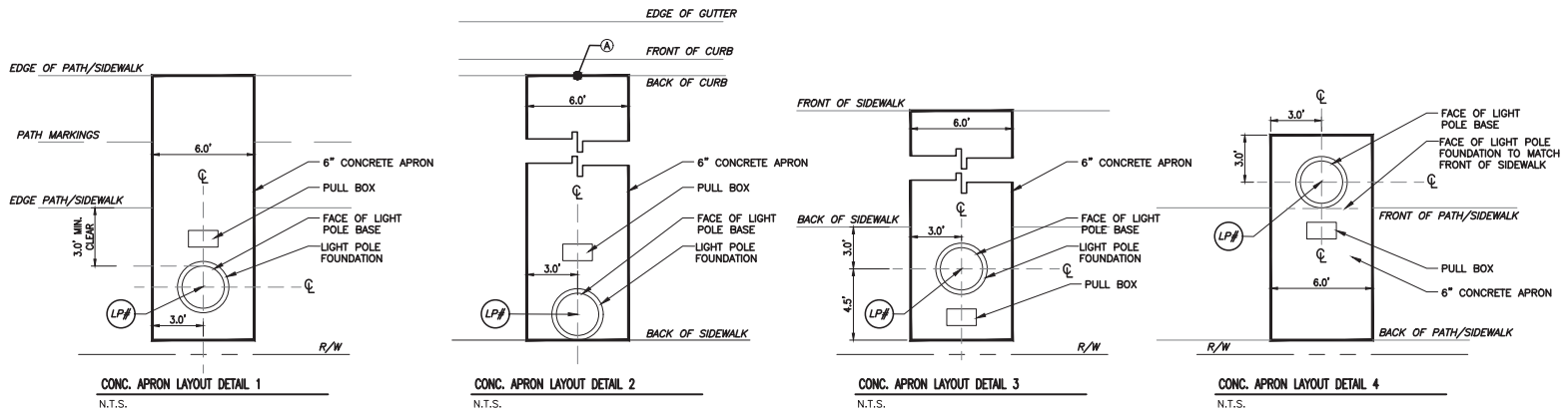
MARLIN
ENGINEERING
ARDEL ABRN FREDA | P.E. No.: 77550
3343 W. COMMERCIAL Blvd. Ste. 115 | Ft. Lauderdale, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION
STEPHEN P. CLAY CENTER
1600 N.W. 11th St.
MIAMI, FLORIDA 33138

POLE DATA

K:\DESIGN\20220119\0405\Lighting\SW 184 POLE DATA-2022.dwg Nov 04, 2021 5:38pm JFREIER



- LEGEND:
- (LP#) FOR LIGHT POLE LIGHT POLE # AND LOCATION, SEE PLAN SHEET AND POLE DATA SHEET
 - (A) MATCH TOP OF CURB EL. REFER TO ROADWAY PLAN FOR GEOMETRY DETAILS

NOTE:

- ALL LIGHT POLE APRONS SHALL BE AS PER DETAIL ON SHEET 119 AND 124, UNLESS DETAILED ON THIS SHEET. REFER TO SHEETS 129 AND 130 FOR SIMM CONST. DETAIL AND REINFORCING.
- LIGHTING AND ROADWAY CONTRACTOR SHALL COORDINATE PRIOR TO APRON CONSTRUCTION.
- COST AND CONSTRUCTION SHALL BE BY ROADWAY CONTRACTOR UNDER 6" CONCRETE PAY-ITEM.
- ALL APRONS THAT FALL WITHIN SHARE-USE PATH OR SIDEWALK SHALL BE 6' WIDE. CONST. SHALL EXTEND TO FAR EDGE. REFER TO THIS SHEET FOR LAYOUT DETAILS. 129 AND 130 FOR SIMM CONST. DETAIL AND REINFORCING.

THE OLD CUTLER PINES SECTION FOUR BLOCK 1 PB 77, PAGE 87

POLE #20 STA. 15+53.1 OFF. 31.2 R CKT: A-2

POLE #21 STA. 16+61.1 THE OLD OFF. 36.0 R SEC1 CKT: A-2 PB 77, PAGE 87

SW 152ND ST. AND OLD CUTLER RD.

LIGHTING PLAN

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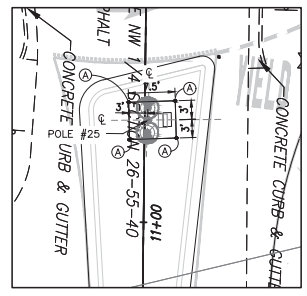
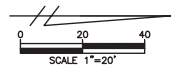
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
ENGINEERING
ANGEL ABIN FREDA | P.E. No.: 77550
3343 W. COMMERCIAL BLVD. SUITE 110 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

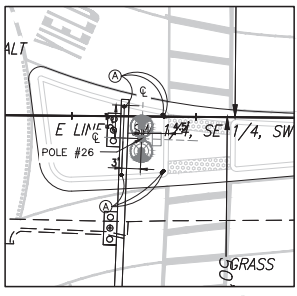
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.			M.P.	
	A.F.			A.F.	

SUPERVISED BY:

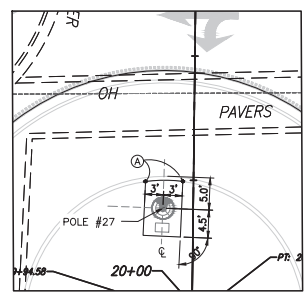
MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
SCHEER & CLARK CENTER
MIAMI, FLORIDA 33138



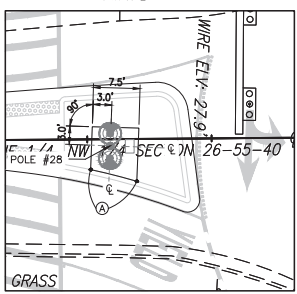
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N.T.S.



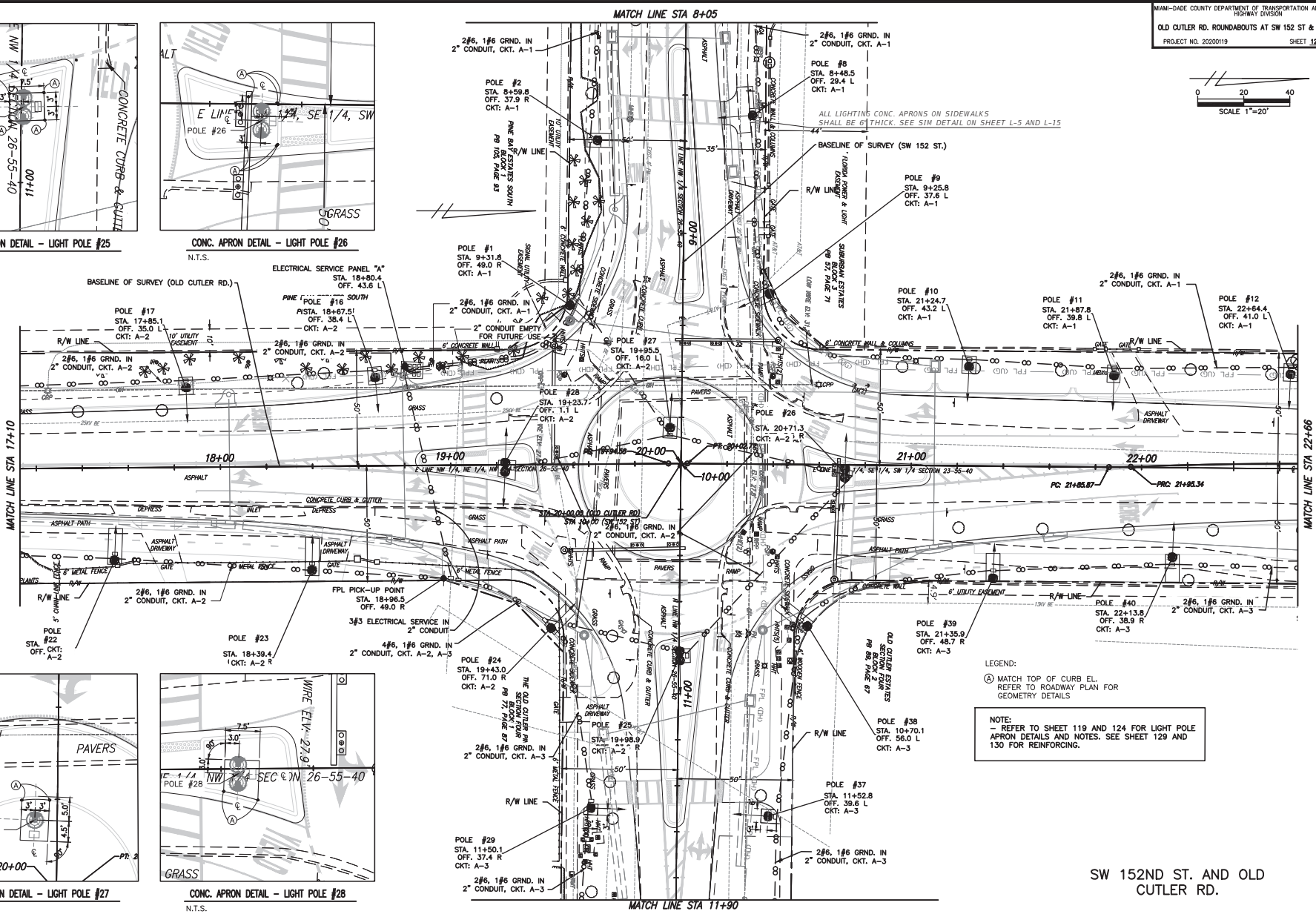
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N.T.S.



CONC. APRON DETAIL - LIGHT POLE #27
N.T.S.



CONC. APRON DETAIL - LIGHT POLE #28
N.T.S.



LEGEND:
Ⓐ MATCH TOP OF CURB EL.
REFER TO ROADWAY PLAN FOR GEOMETRY DETAILS

NOTE:
- REFER TO SHEET 119 AND 124 FOR LIGHT POLE APRON DETAILS AND NOTES. SEE SHEET 129 AND 130 FOR REINFORCING.

SW 152ND ST. AND OLD CUTLER RD.

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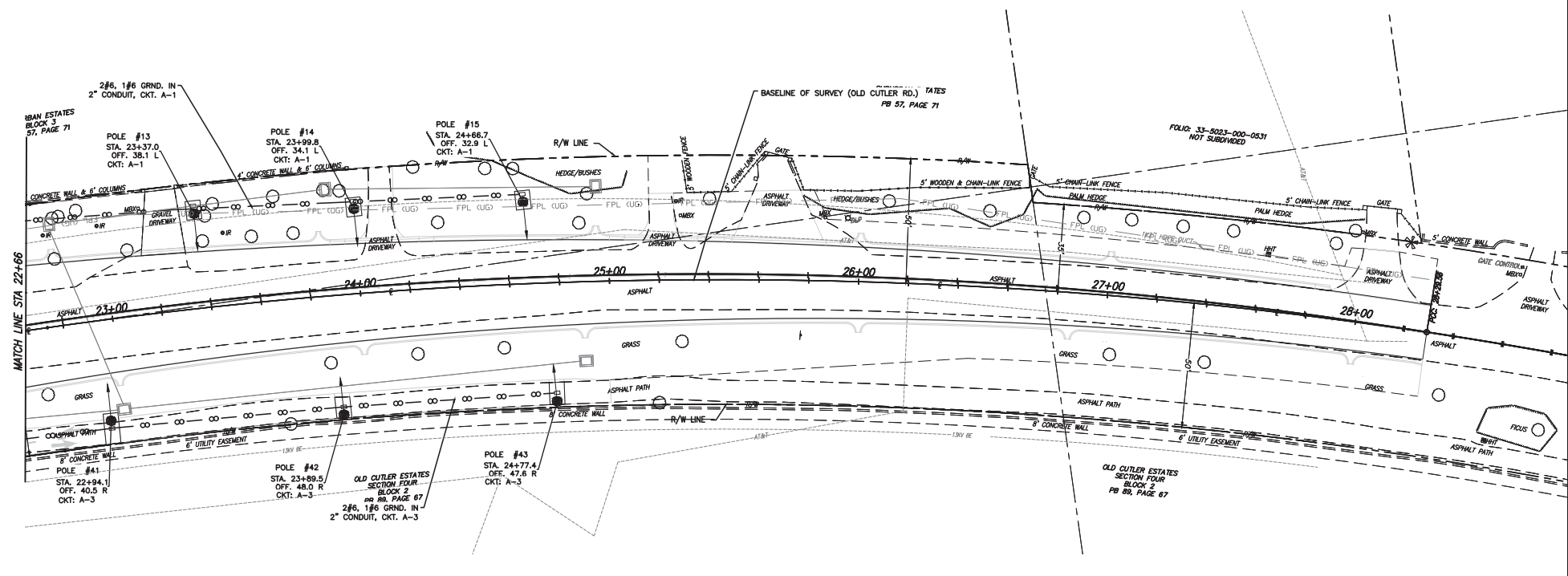
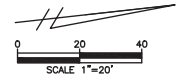
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
ENGINEERING
ARCEL ABRN PREDA | P.E. No.: 77550
3363 W. COMMERCIAL BLVD. SU. 113 FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK, COUNTY ENGINEER
MIAMI, FLORIDA 33138

LIGHTING PLAN



NOTE:
 - REFER TO SHEET 119 AND 124 FOR LIGHT POLE APRON DETAILS AND NOTES. SEE SHEET 129 AND 130 FOR REINFORCING.

SW 152ND ST. AND OLD CUTLER RD.

LIGHTING PLAN

REVISIONS

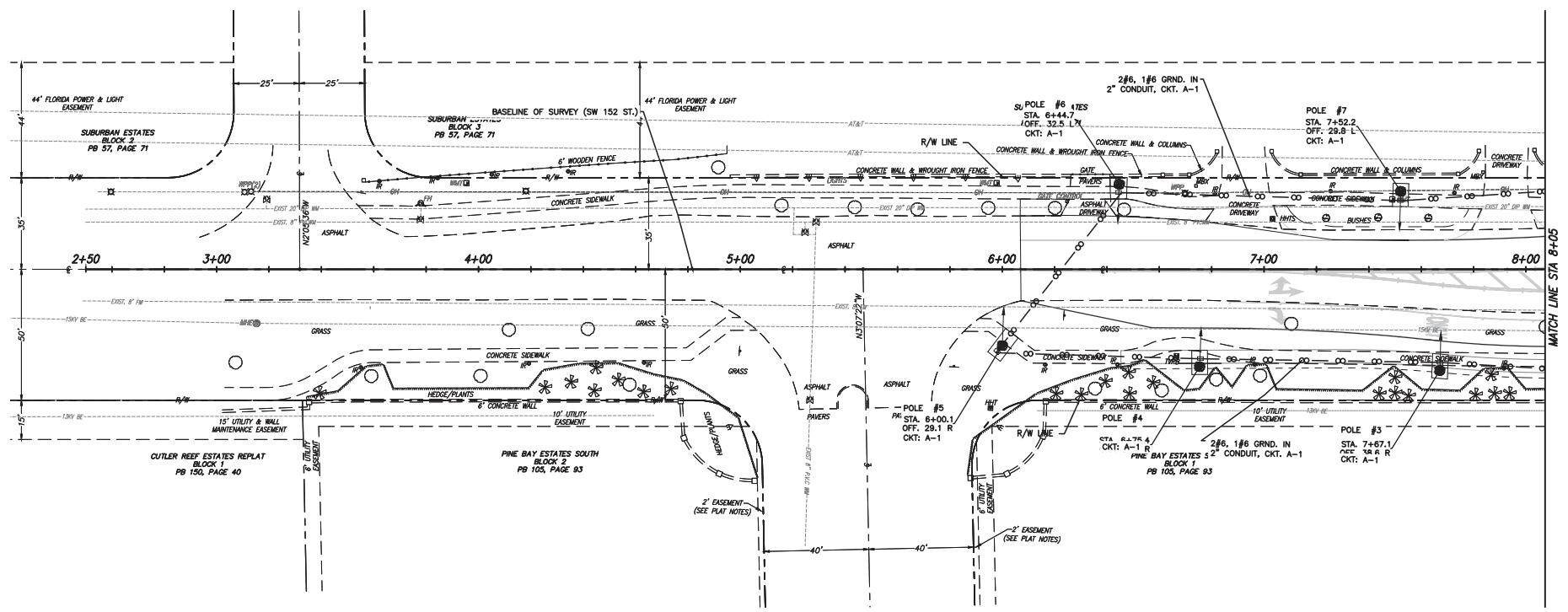
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
 ENGINEERING
 ANGEL ABRN FREDA | P.E. No.: 77550
 3343 W. COMMERCIAL BLVD. SU. 113 | FT. LAUDERDALE, FL 33309
 P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

MIAMI-DADE COUNTY
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
 STEPHEN P. CLARK CENTER
 100 N.W. 1ST ST.
 MIAMI, FLORIDA 33138

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NOTE:
- REFER TO SHEET 119 AND 124 FOR LIGHT POLE APRON DETAILS AND NOTES. SEE SHEET 129 AND 130 FOR REINFORCING.

SW 152ND ST. AND OLD CUTLER RD.

LIGHTING PLAN

REVISIONS

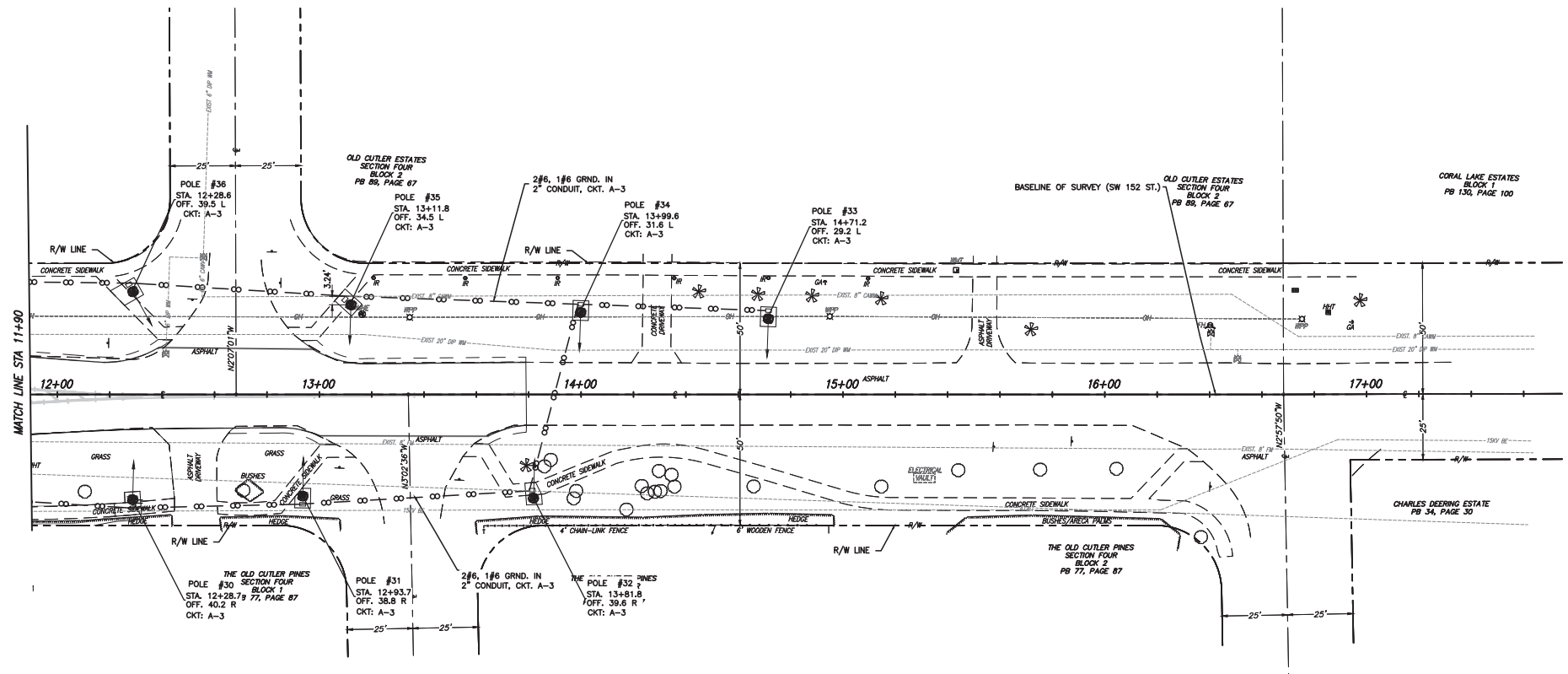
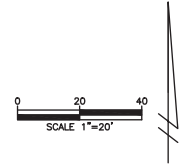
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
ENGINEERING
ANGEL ABRIL FREDA | P.E. No.: 77550
3343 W. COMMERCIAL BLVD. SUITE 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK, CHIEF ENGINEER
100 N.W. 11th St.
MIAMI, FLORIDA 33138

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NOTE:
- REFER TO SHEET 119 AND 124 FOR LIGHT POLE APRON DETAILS AND NOTES. SEE SHEET 129 AND 130 FOR REINFORCING.

SW 152ND ST. AND OLD CUTLER RD.

LIGHTING PLAN

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

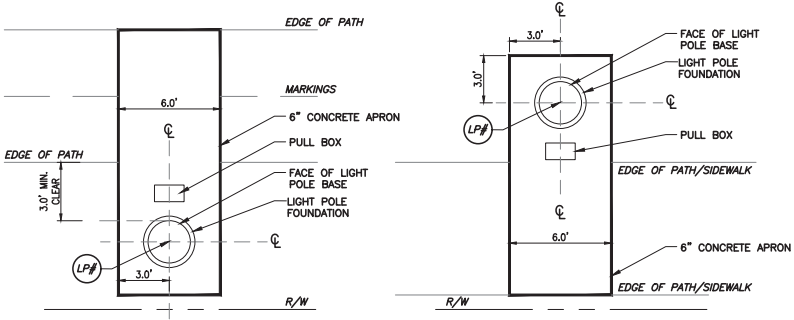
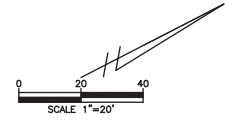
MARLIN
ENGINEERING
ANGEL ABRN FREDA | P.E. No.: 77550
3343 W. COMMERCIAL BLVD. SUITE 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.			M.P.	
	A.F.			A.F.	

SUPERVISED BY:

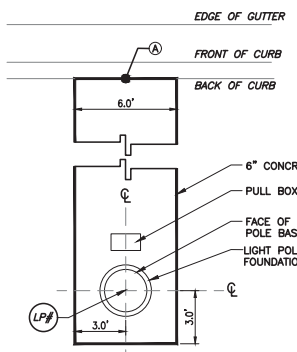
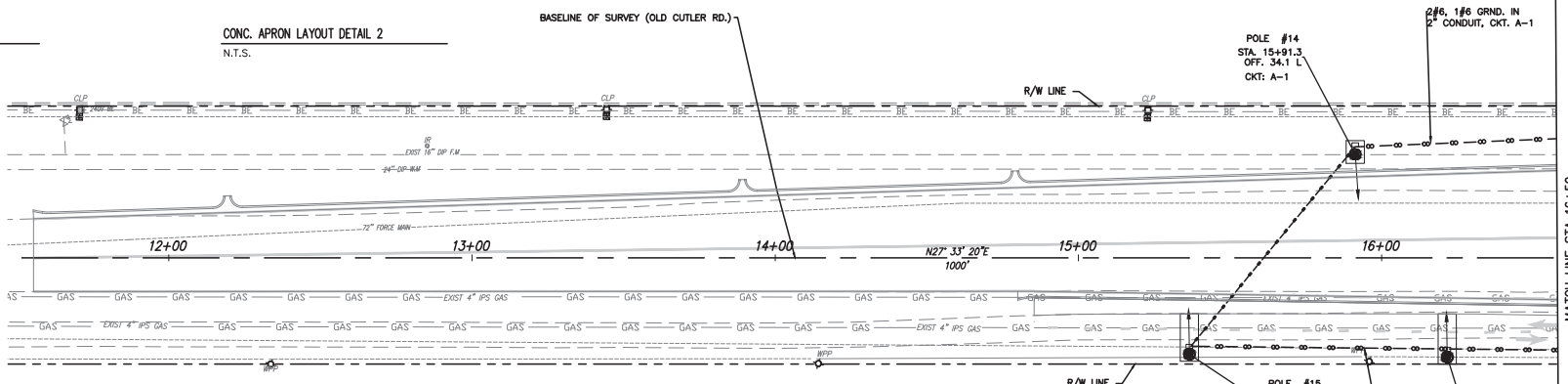
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
MIAMI-DADE COUNTY
STEPHEN S. CLARK, CENTER
1800 N.W. 25TH ST.
MIAMI, FLORIDA 33128

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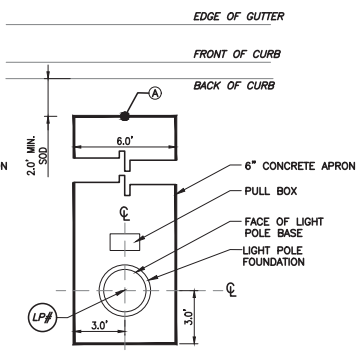


CONC. APRON LAYOUT DETAIL 1
N.T.S.

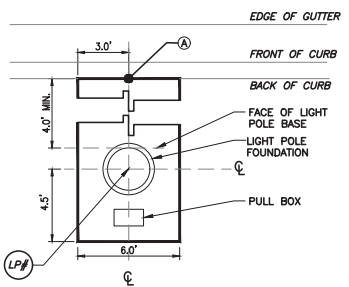
CONC. APRON LAYOUT DETAIL 2
N.T.S.



CONC. APRON LAYOUT DETAIL 3
N.T.S.



CONC. APRON LAYOUT DETAIL 4
N.T.S.



CONC. APRON LAYOUT DETAIL 5
N.T.S.

LEGEND:
 (LP#) FOR LIGHT POLE LIGHT POLE # AND LOCATION, SEE PLAN SHEET AND POLE DATA SHEET
 (A) MATCH TOP OF CURB EL. REFER TO ROADWAY PLAN FOR GEOMETRY DETAILS

NOTE:
 - ALL LIGHT POLE APRONS SHALL BE AS PER DETAIL ON SHEET 119 AND 124, UNLESS DETAILED ON THIS SHEET. REFER TO SHEETS 129 AND 130 FOR SIMM CONST. DETAIL AND REINFORCING.
 - LIGHTING AND ROADWAY CONTRACTOR SHALL COORDINATE PRIOR TO APRON CONSTRUCTION.
 - COST AND CONSTRUCTION SHALL BE BY ROADWAY CONTRACTOR UNDER 6" CONCRETE PAY-ITEM.
 - ALL APRONS THAT FALL WITHIN SHARE-USE PATH OR SIDEWALK SHALL BE 6' WIDE. CONST. SHALL EXTEND TO FAR EDGE. REFER TO THIS SHEET FOR LAYOUT DETAILS, 129 AND 130 FOR SIMM CONST. DETAIL AND REINFORCING.

SW 184TH ST. AND OLD CUTLER RD.

LIGHTING PLAN

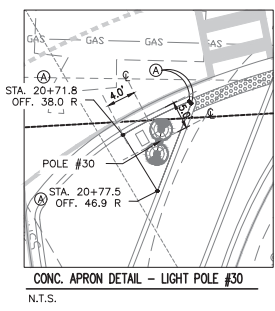
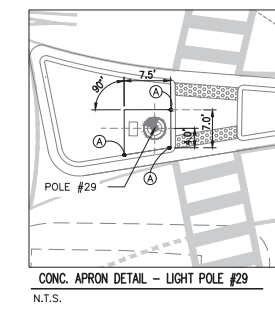
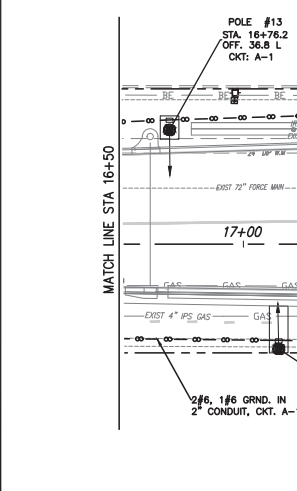
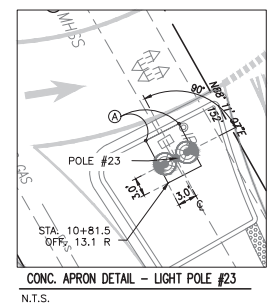
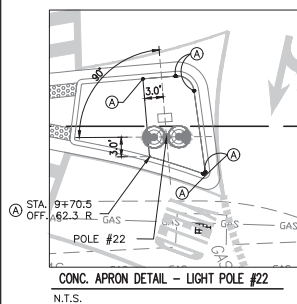
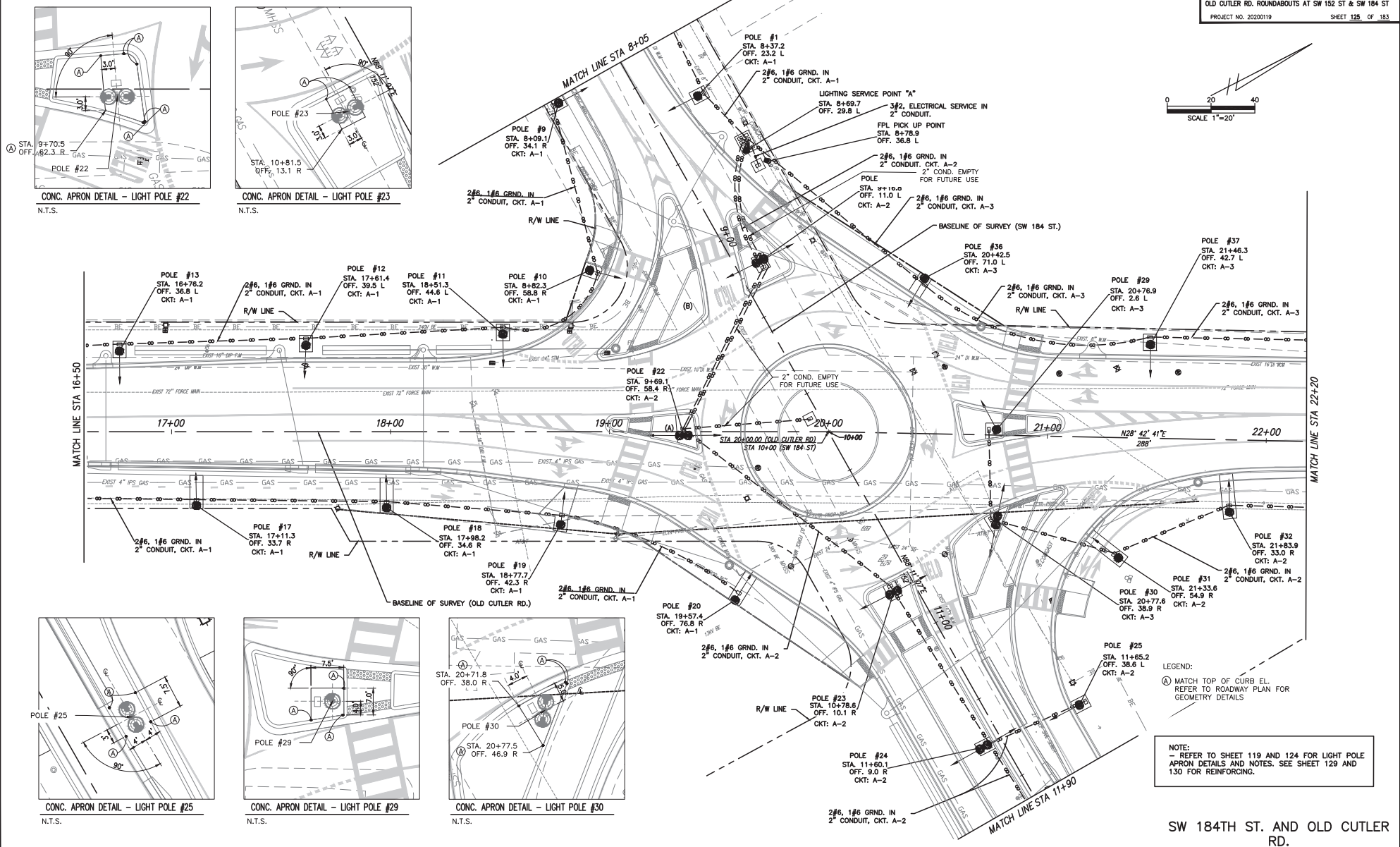
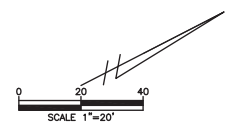
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REVISIONS					
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MARLIN
ENGINEERING
ARCEL ABRN (FRED) | P.E. No.: 77550
3343 W. COMMERCIAL BLVD. STE. 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK, CENTER
100 N.W. 107 ST.
MIAMI, FLORIDA 33138



LEGEND:
⊙ MATCH TOP OF CURB EL.
REFER TO ROADWAY PLAN FOR GEOMETRY DETAILS

NOTE:
- REFER TO SHEET 119 AND 124 FOR LIGHT POLE APRON DETAILS AND NOTES. SEE SHEET 129 AND 130 FOR REINFORCING.

SW 184TH ST. AND OLD CUTLER RD.

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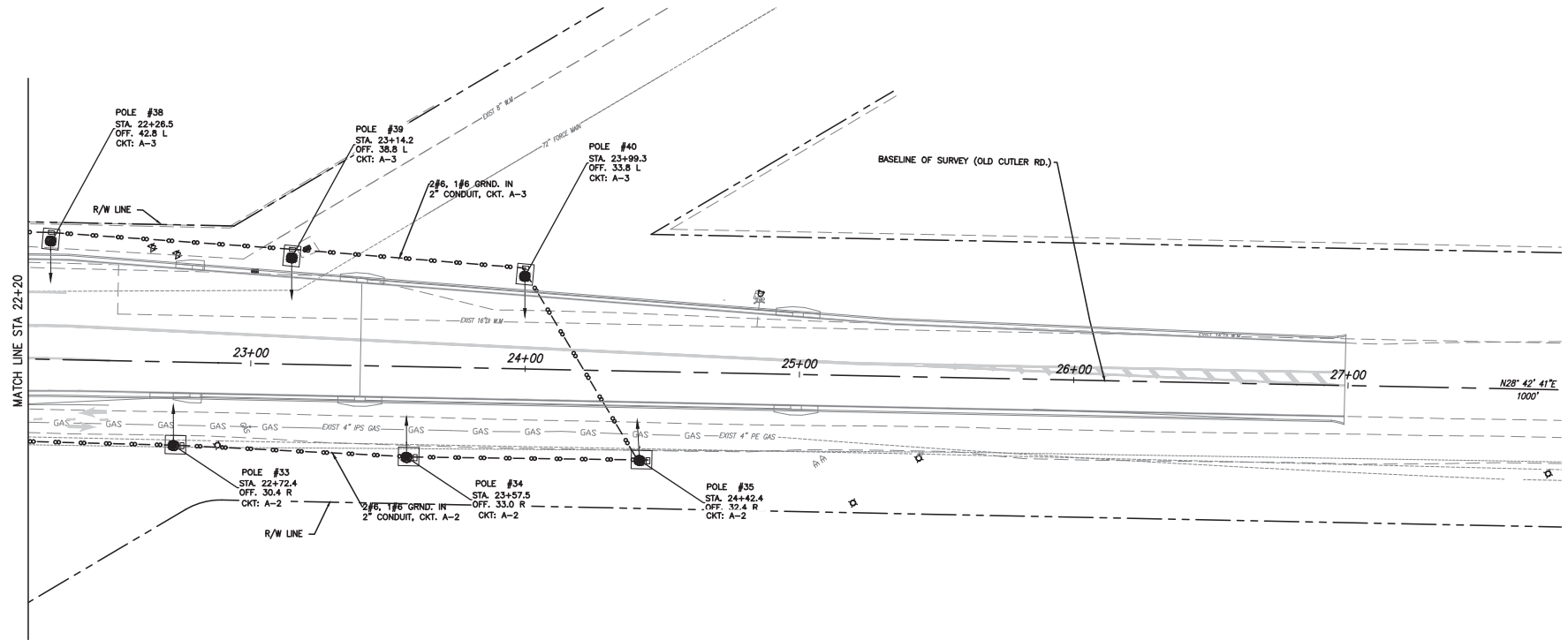
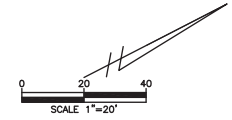
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
ENGINEERING
ANGEL ABRIL FREDA | P.E. No.: 77550
3343 W. COMMERCIAL BLVD. SUITE 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
MIAMI-DADE COUNTY
STEPHEN P. CLARK, CHIEF ENGINEER
MIAMI, FLORIDA 33138

LIGHTING PLAN



NOTE:
 - REFER TO SHEET 119 AND 124 FOR LIGHT POLE APRON DETAILS AND NOTES. SEE SHEET 129 AND 130 FOR REINFORCING.

SW 184TH ST. AND OLD CUTLER RD.

LIGHTING PLAN

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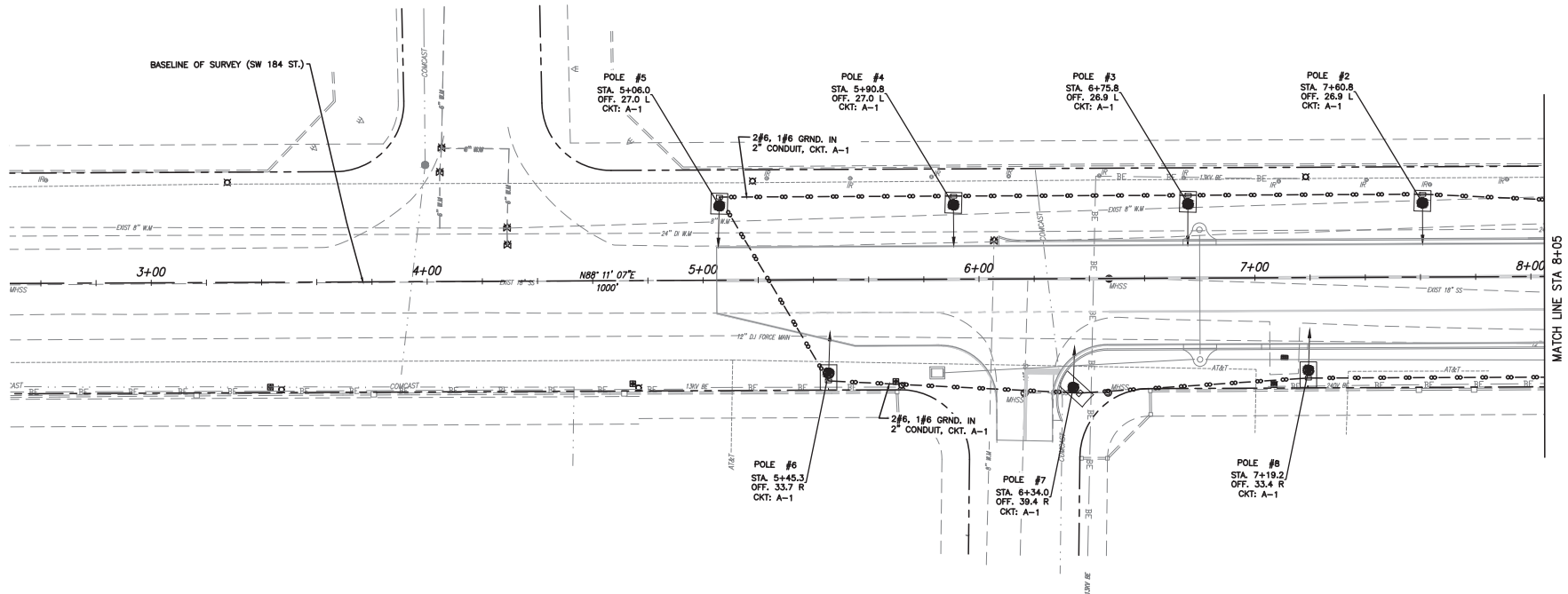
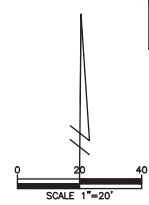
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
 ENGINEERING
 ANGEL ABRN FREDA | P.E. No.: 77550
 3343 W. COMMERCIAL Blvd. Ste. 115 | Ft. Lauderdale, FL 33309
 P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	

SUPERVISED BY:

MIAMI-DADE COUNTY
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 HIGHWAY DIVISION
 STEPHEN P. CLAY CENTER
 100 N.W. 1ST ST.
 MIAMI, FLORIDA 33138



NOTE:
- REFER TO SHEET 119 AND 124 FOR LIGHT POLE APRON DETAILS AND NOTES. SEE SHEET 129 AND 130 FOR REINFORCING.

SW 184TH ST. AND OLD CUTLER RD.

LIGHTING PLAN

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

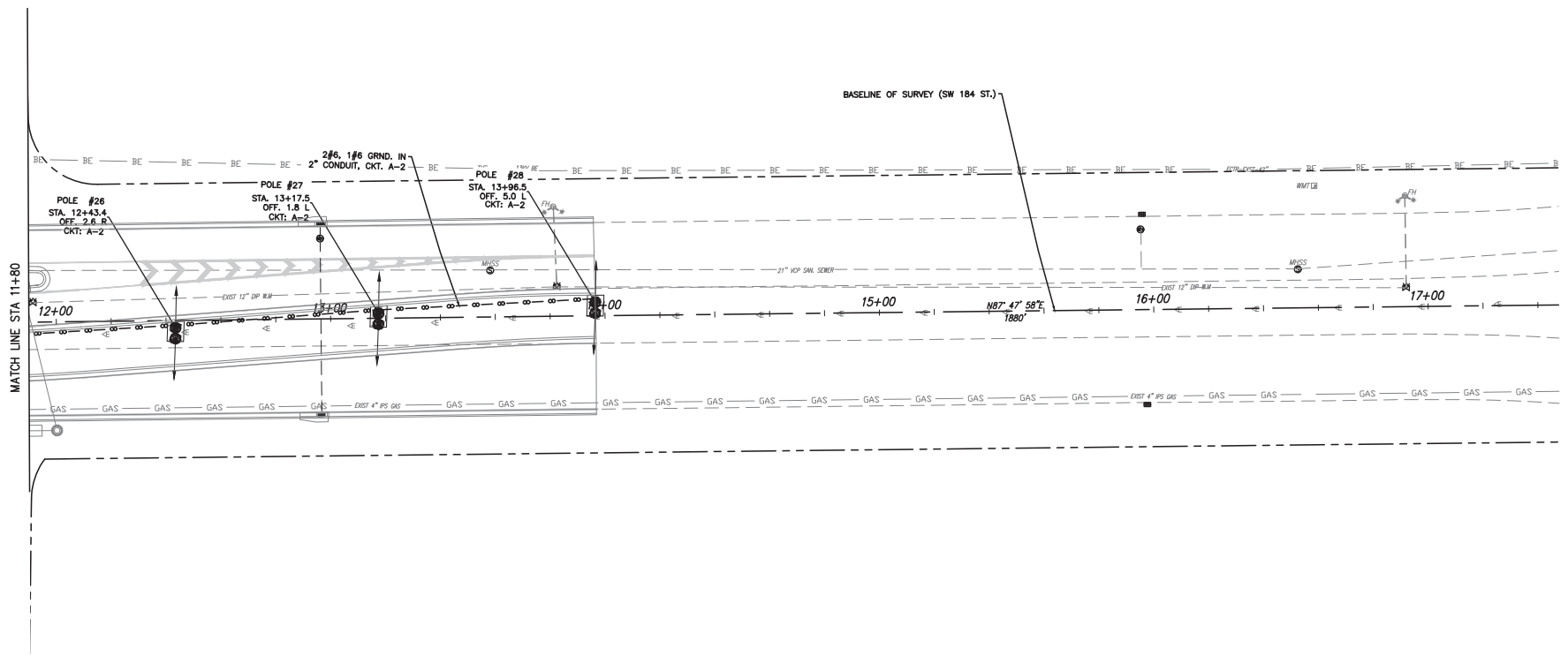
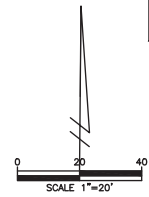
MARLIN
ENGINEERING
ANGEL ABRN FREDA | P.E. No.: 77550
3343 W. COMMERCIAL Blvd. Ste. 115 | Ft. Lauderdale, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.			M.P.	
	A.F.			A.F.	

SUPERVISED BY:

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK, CENTER
MIAMI, FLORIDA 33138

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NOTE:
 - REFER TO SHEET 119 AND 124 FOR LIGHT POLE APRON DETAILS AND NOTES. SEE SHEET 129 AND 130 FOR REINFORCING.

SW 184TH ST. AND OLD CUTLER RD.

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 ENGINEERING
 ANGEL ABRIL FREDA | P.E. No.: 77550
 3343 W. COMMERCIAL BLVD. SUITE 115 | FT. LAUDERDALE, FL 33309
 P: 954.870.5070 | C.A. No. 6104

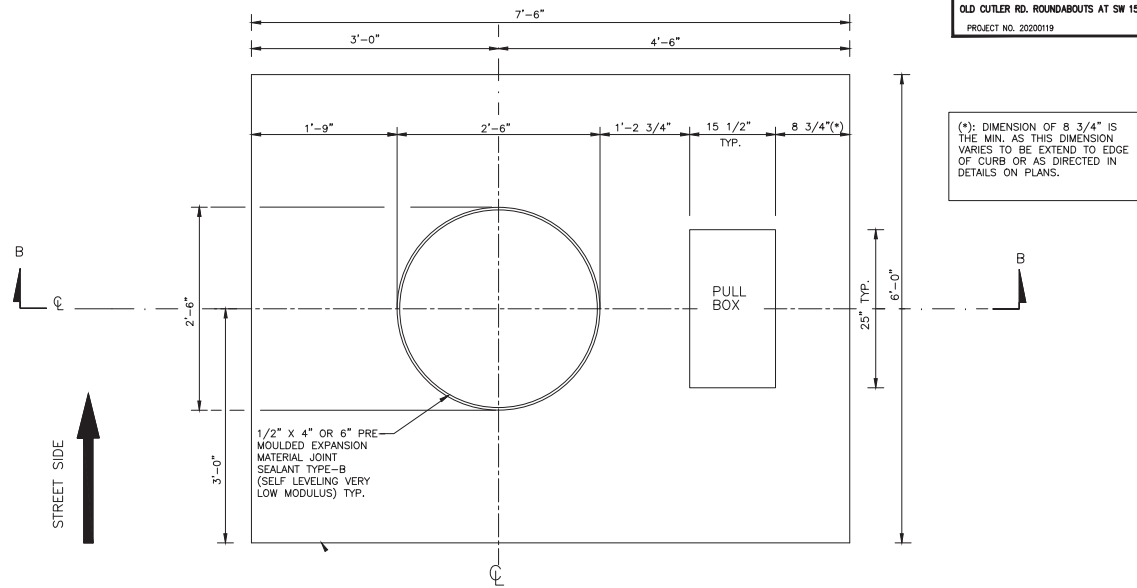
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	
SUPERVISED BY:					

MIAMI-DADE COUNTY
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
 STEPHEN P. CLAY CENTER
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 MIAMI, FLORIDA 33138

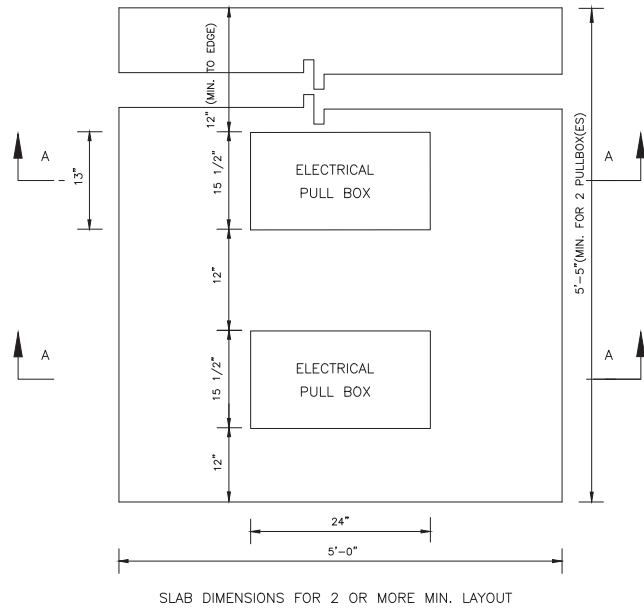
LIGHTING PLAN

NOTES:

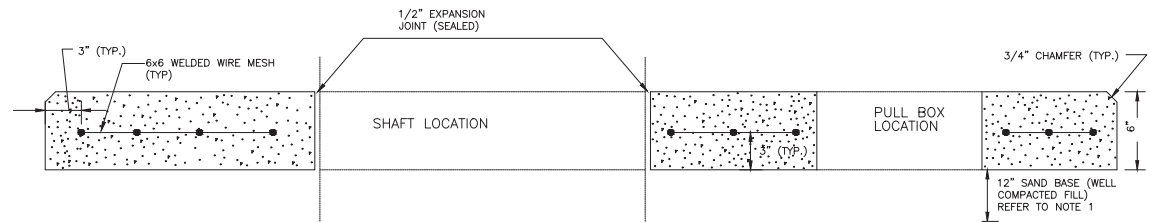
- 1- THIS DETAIL IS APPLICABLE FOR INSTALLATION IN SOD AREA AND NOT FOR SIDEWALK.
- 2- USE COMPACTED SELECT MATERIAL IN ACCORDANCE WITH FDOT STANDARD INDEX 120-001.
- 3- CONCRETE SHALL BE CLASS NS WITH A MINIMUM STRENGTH AT 28 DAYS OF F'c=2.5 KSI.
- 4- OUTSIDE EDGE OF SLAB SHALL BE CAST AGAINST FORMWORK.
- 5- THE PULL BOX SHOWN IS 13" X 24" (INTERIOR DIMENSIONS) & 15 1/2" X 25" (EXTERIOR DIMENSIONS); OTHERS APPROVED UNDER SECTION 635 OF THE STANDARD SPECIFICATIONS MAY BE USED.
- 6- SLABS TO BE PLACED AROUND ALL POLES AND PULL BOXES. IN URBAN AREAS OR WHERE SPACE IS LIMITED SLAB DIMENSIONS MAY BE ADJUSTED AS SHOWN IN THE PLANS.
- 7- WHERE CONCRETE SLAB IS UP AGAINST EXISTING OR PROPOSED SIDEWALK, TOP OF SLAB SHALL MATCH EXISTING ELEVATION. TOP OF ALL OTHER SLABS SHALL MEET THE TOP ELEVATION OF PERPENDICULAR CURB N GUTTER OR EDGE OF PAVEMENT. SEE PLAN FOR LOCATION.
- 8- CONCRETE FOR SLABS AROUND POLES AND PULL BOXES SHALL BE INCLUDED IN THE PRICE OF POLE OR PULL BOX.
- 9- THE EXPANSION JOINT SHALL CONSIST OF 1/2" OF CLOSED-CELL POLYETHYLENE FOAM EXPANSION MATERIAL. THE TOP 1/2" OF EXPANSION MATERIAL SHALL BE REMOVED AFTER POURING THE SLAB AND SEALED WITH AN APL APPROVED TYPE A SEALANT MEETING THE REQUIREMENTS OF SECTION 932.



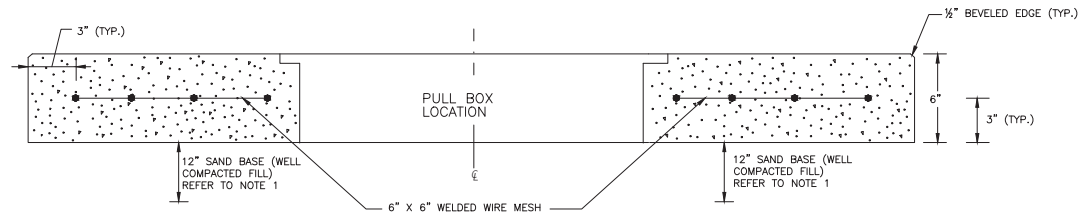
SLAB DIMENSIONS



SLAB DIMENSIONS FOR 2 OR MORE MIN. LAYOUT



SECTION B-B



SECTION A-A

REVISIONS					
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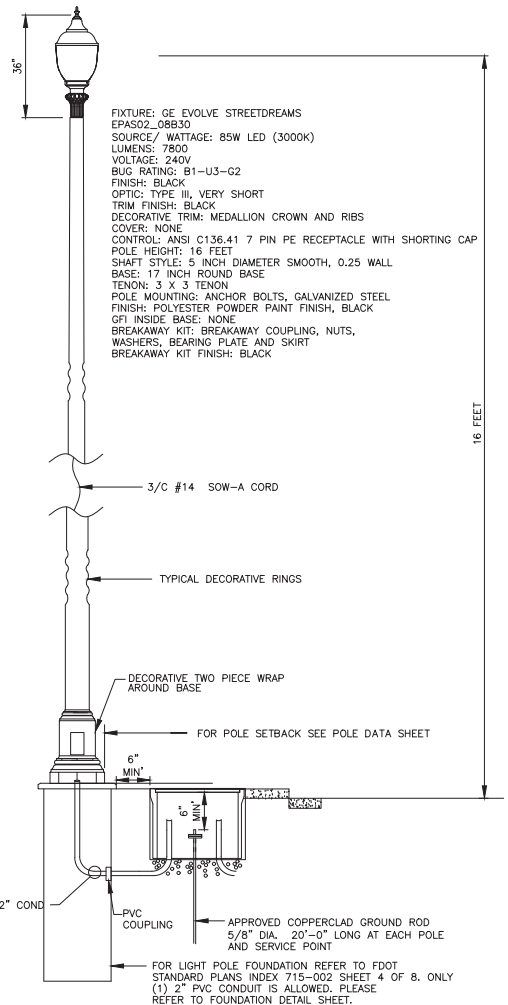
MARLIN
ENGINEERING
ARCEL ABRN FREDA | P.E. No.: 77550
3363 N. COMMERCIAL Blvd. Ste. 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

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MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK CENTER
100 N.W. 25th St.
MIAMI, FLORIDA 33128

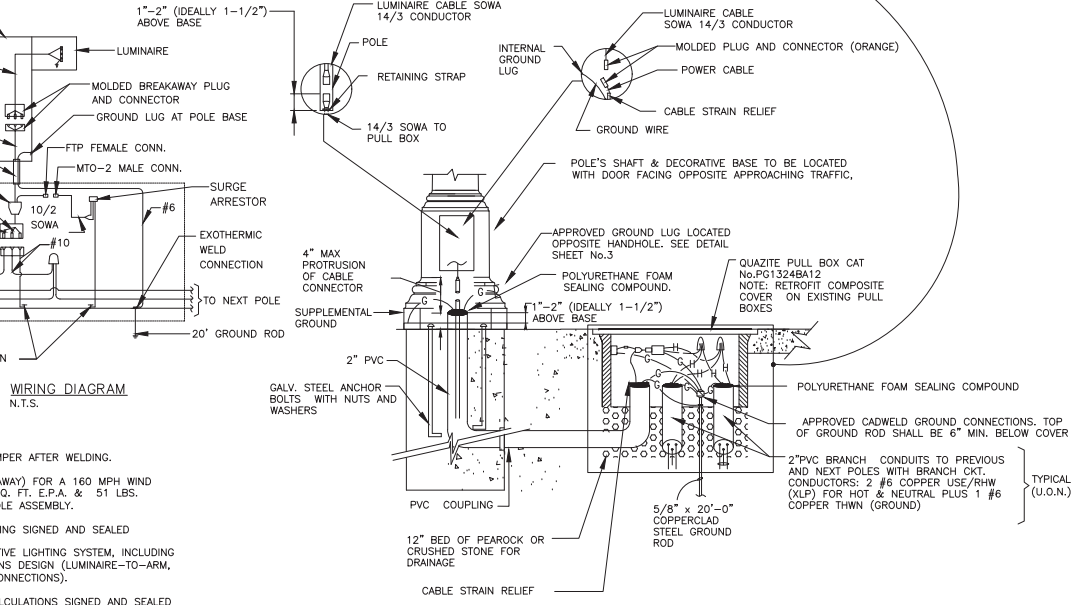
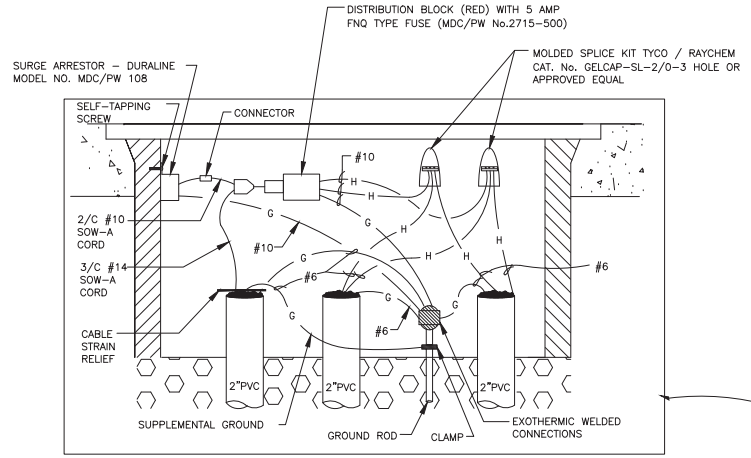
DETAILS SHEET

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FIXTURE: GE EVOLVE STREETDREAMS
EPAS02-08930
SOURCE/ WATTAGE: 85W LED (3000K)
LUMENS: 7800
VOLTAGE: 240V
BUG RATING: B1-U3-G2
FINISH: BLACK
OPTIC: TYPE III, VERY SHORT
TRIM FINISH: BLACK
DECORATIVE TRIM: MEDALLION CROWN AND RIBS
COVER: NONE
CONTROL: ANSI C136.41 7 PIN PE RECEPTACLE WITH SHORTING CAP
POLE HEIGHT: 16 FEET
SHAFT STYLE: 5 INCH DIAMETER SMOOTH, 0.25 WALL
BASE: 17 INCH ROUND BASE
TENON: 3 X 3 TENON
POLE MOUNTING: ANCHOR BOLTS, GALVANIZED STEEL
FINISH: POLYESTER POWDER PAINT FINISH, BLACK
GF1 INSIDE BASE: NONE
BREAKAWAY KIT: BREAKAWAY COUPLING, NUTS,
WASHERS, BEARING PLATE AND SKIRT
BREAKAWAY KIT FINISH: BLACK

TYPICAL METAL POLE INSTALLATION DETAIL
N.T.S.



WIRING DIAGRAM
N.T.S.

POLE WIRING DETAIL WITH PULL BOX
N.T.S.

- NOTES:
- 1) SHAFT AND BRACKETS HEAT TREATED TO T6 TEMPER AFTER WELDING.
 - 2) POLE ASSEMBLY IS DESIGNED (INCLUDING BREAKAWAY) FOR A 160 MPH WIND VELOCITY AND A MAXIMUM LUMINAIRE SIZE OF 1.5 SQ. FT. E.P.A. & 51 LBS. FOUR 1/16" ALUM SHIMS FURNISHED WITH EACH POLE ASSEMBLY.
 - 3) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SIGNED AND SEALED STRUCTURAL PLANS AND CALCULATIONS FOR THE ENTIRE DECORATIVE LIGHTING SYSTEM, INCLUDING BOTH THE FOUNDATION DESIGN AND THE CONNECTIONS DESIGN (LUMINAIRE-TO-ARM, ARM-TO-UPRIGHT, AND UPRIGHT-TO-FOUNDATION CONNECTIONS).
 - 4) THE CONTRACTOR SHALL PROVIDE PLANS AND CALCULATIONS SIGNED AND SEALED BY A FLORIDA-LICENSED PROFESSIONAL ENGINEER WHICH DEMONSTRATE THAT THE DECORATIVE LIGHT FIXTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE MDC STANDARDS.

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REVISIONS					
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MARLIN
ENGINEERING
ARCEL ABRN (PREDA) | P.E. No.: 77550
3363 W. COMMERCIAL BLVD. Ste. 115 | Ft. Lauderdale, FL 33309
P: 954.870.5070 | C.A. No. 6104

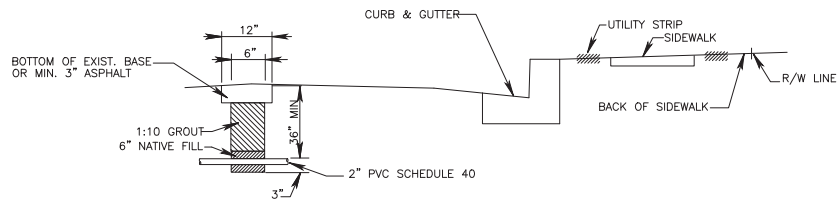
DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
MIAMI-DADE COUNTY
STEPHEN P. CLARK, CHIEF ENGINEER
MIAMI, FLORIDA 33138

LIGHT POLE DETAILS

① OPTION

CONDUIT BURIED WHEN CROSSING ROAD

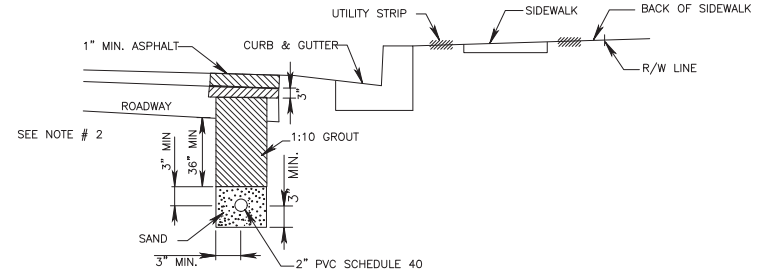


NOTE:
TRENCH NOT TO BE OPENED MORE THAN 250' AT A TIME

* MAY BE ADJUSTED IN FIELD DUE TO FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

② OPTION

CONDUIT BURIAL IN ROADWAY



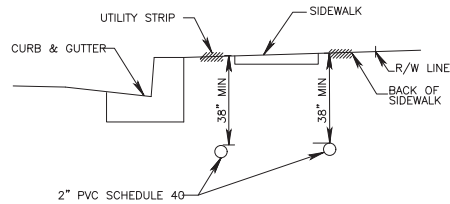
NOTE:

- TRENCH NOT TO BE OPENED MORE THAN 250' AT A TIME.
- THIS AREA SHALL BE BACKFILLED WITH TYPE S-1 ASPHALTIC CONCRETE TO WITHIN 1 INCH OF FINISHED GRADE.

* MAY BE ADJUSTED IN FIELD DUE TO FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

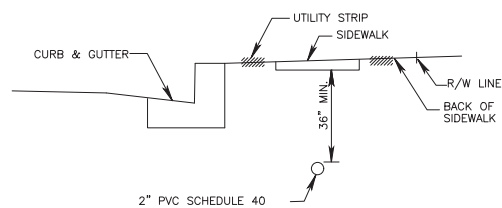
③ OPTION

CONDUIT IN UTILITY AND BACK OF SIDEWALK



④ OPTION

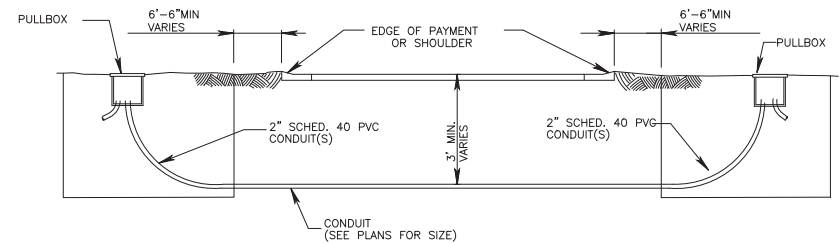
CONDUIT UNDER SIDEWALK



NOTE:
IN PLACING CONDUIT UNDER SIDEWALK REPLACEMENT OF ENTIRE SIDEWALK SECTION SHALL BE NECESSARY.

⑤ OPTION

CONDUIT DIRECTIONAL BORE



NOTES:

- DIRECTIONAL BORING OPERATIONS SHALL BE DONE IN ACCORDANCE WITH THE F.D.O.T. UTILITY ACCOMODATION MANUAL.

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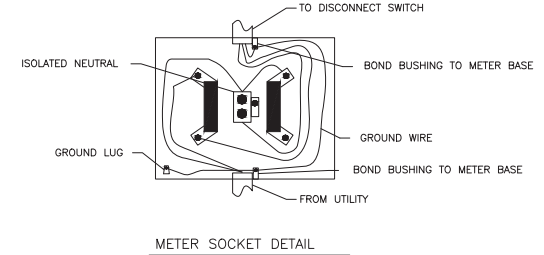
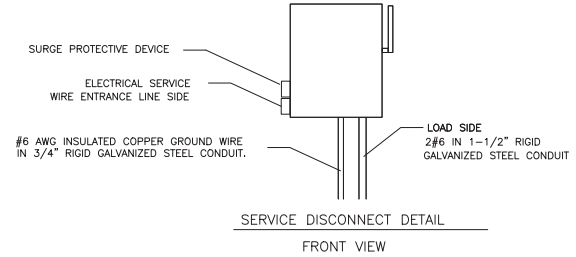
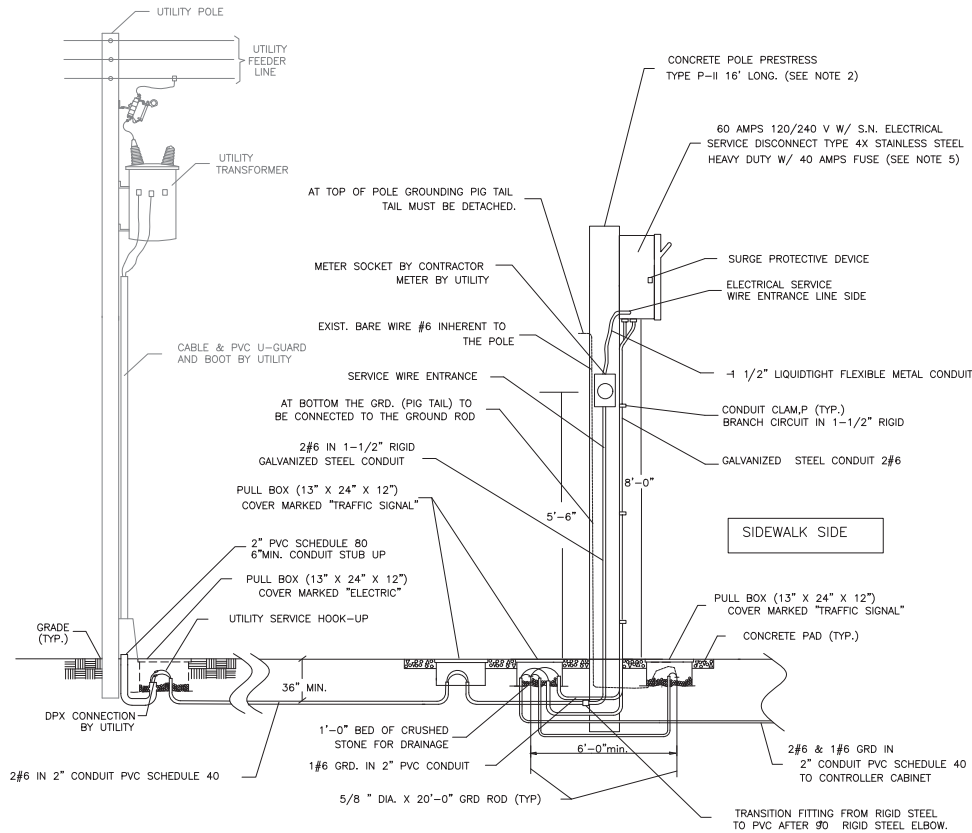
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
ENGINEERING
ANGEL ABRIN FREDA | P.E. No.: 77550
3343 N. COMMERCIAL Blvd. Ste. 115 | Ft. Lauderdale, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY	A.F.		CHECKED BY	A.F.	

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK CENTER
1000 N. W. 25th ST.
MIAMI, FLORIDA 33138

CONDUIT BURIAL DETAILS



NOTES

- CONTRACTOR MUST COORDINATE WITH ELECTRICAL POWER COMPANY (UTILITY) ENGINEERS FOR THE INSTALLATION OF THE UTILITY RISER.
- STRUCTURAL CALCULATIONS OF THE POLE INSTALLATION, SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER, MAY BE REQUIRED.
- INTERCONNECT ALL GROUNDING ELECTRODES USING #6 GROUNDING CONDUCTOR.
- PROVIDE SUPPLEMENTARY GROUNDING ELECTRODE SPACED AT A MINIMUM OF 6FT APART.
- SERVICE DISCONNECT MUST BE RATED FOR SERVICE ENTRANCE. LABEL MUST BE FACTORY INSTALLED.
- SERVICE DISCONNECT TO BE ORIENTED ON CONCRETE POLE SO ITS FACING THE SIDEWALK.
- METER TO BE ORIENTED ON SIDE OF CONCRETE POLE SO WHEN READING IT YOU ARE FACING ON-COMING TRAFFIC.
- PROVIDE 2 FEET OF COILED TERMINATION OF CONDUCTOR IN THE PULLBOX MARKED "ELECTRIC".
- TERMINATE CONDUITS IN METER SOCKET AND SERVICE DISCONNECT WITH INSULATED GROUNDING BUSHING WITH SOLDERLESS LUG.

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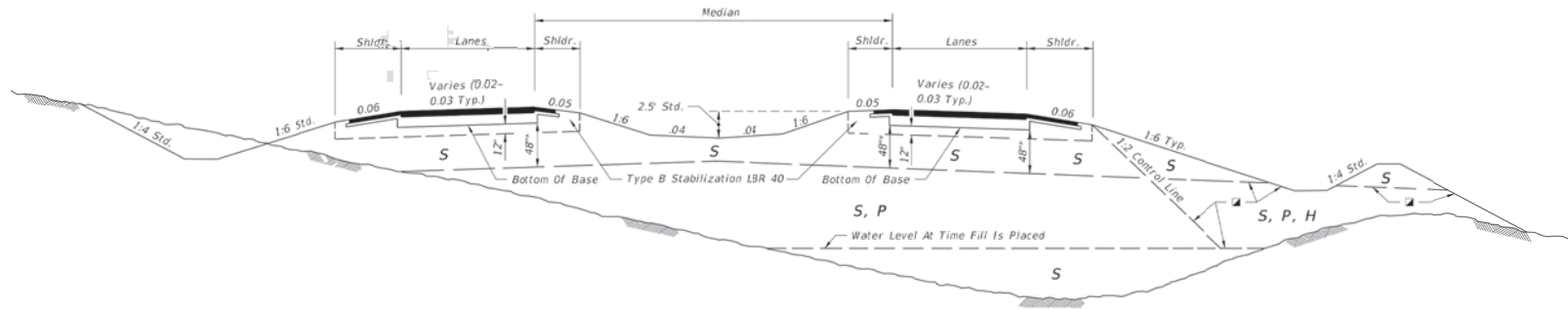
MARLIN
ENGINEERING
ANGEL ABRIL FREDA | P.E. No.: 77550
3363 W. COMMERCIAL BLVD. Ste. 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	R.L.			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	

SUPERVISED BY:

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
SHERYL S. CLARK, CENTER
1000 N.W. 23RD ST.
MIAMI, FLORIDA 33138

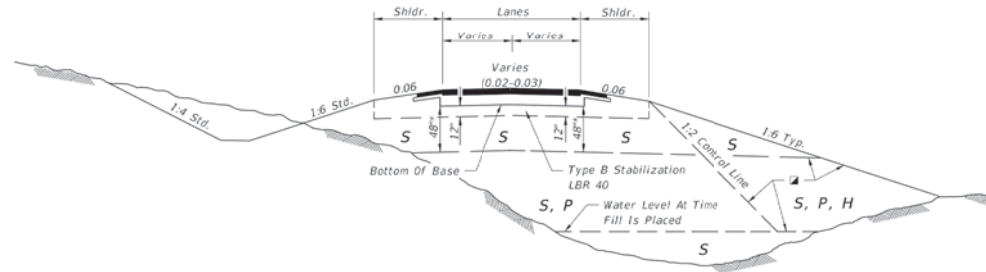
ELECTRICAL SERVICE DETAILS



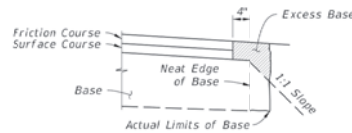
DIVIDED ROADWAYS

GENERAL NOTES:

- Roadway dimensions are representative. Subgrade dimensions and control lines are standard. The details shown on this Index do not supersede the details shown in the Plans or Indexes 120-002 and 160-001.
- Plastic (P) soils may be placed above the existing water level (at the time of construction) to within 4 feet of the proposed base. It should be placed uniformly in the lower portion of the embankment for some distance along the project rather than full depth for short distances.
- High Plastic (H) soils excavated within the project limits may be used in embankment construction as indicated on this Index. High Plastic soils are not to be used for embankment construction when obtained from outside the project limits.
- Select (S) soils having an average organic content of more than two and one-half (2.5) percent, or having an individual test value which exceeds four (4) percent, are not permitted in the subgrade portion of the roadbed. Select (S), Plastic (P), or High Plastic (H) soils having an average organic content of more than five (5) percent, or an organic content individual test result which exceeds seven (7) percent, are not permitted in the portion of embankment inside the control line, unless written authorization is provided by the District Geotechnical Engineer; these soils may be used for embankment construction outside the control line, unless restricted by the Plans or otherwise specified in the Plans, provided they can be compacted sufficiently to sustain a drivable surface for operational vehicles as approved by the Engineer. Determine average organic content from the test results from a minimum of three randomly selected samples from each stratum or stockpile of a particular material. Perform tests in accordance with AASHTO T 267 on the portion of a sample passing the No. 4 Sieve.
- Highly organic soils, composed primarily of partially decayed organic matter, often dark brown or black in color with an odor of decay, and sometimes fibrous, are designated as muck. Further, any stratum or stockpile of soil which contains pockets of highly organic material may be designated as Muck (M). Highly organic soils are not permitted within the subgrade or embankment portion of the roadbed.



UNDIVIDED ROADWAY



NOTES:

- All material in the shaded area is excess base to be removed.
- There is no additional payment for removal of excess base material.

REMOVAL OF EXCESS BASE MATERIAL

SYMBOL SOIL CLASSIFICATION (AASHTO M 145)

SYMBOL	SOIL	CLASSIFICATION (AASHTO M 145)
S	Select	A-1, A-3, A-2-4 **
P	Plastic	A-2-5, A-2-6, A-2-7, A-4, A-5, A-6, A-7 (ALL WITH LL < 50)
H	High Plastic	A-2-5, A-2-7, A-5 Or A-7 (ALL WITH LL > 50)
M	Muck	A-8

Classification listed left to right in order of preference.

See General Notes Nos. 4 & 5 for utilization of soils classified as organic material or muck.

** Certain types of A-2-4 material are likely to retain excess moisture and may be difficult to dry and compact. They should be used in the embankment above the water level existing at time of construction. They may be used in the subgrade portion of the roadbed when approved by the District Materials Engineer. A-2-4 material placed below the existing water level must be nonplastic and contain less than 15% passing the No. 200 U.S. Standard sieve.

* For cut sections this dimension may be reduced to 24"; see Index 120-002. For minor collectors and local facilities this dimension may be reduced to 18".

GENERAL NOTES AND FLEXIBLE PAVEMENT

LAST REVISION 11/01/18	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	EMBANKMENT UTILIZATION	INDEX 120-001	SHEET 1 of 3
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

MARLIN
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ANGEL ABRN PREDI | P.E. No.: 77550
3363 N. COMMERCIAL BLVD. SUITE 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

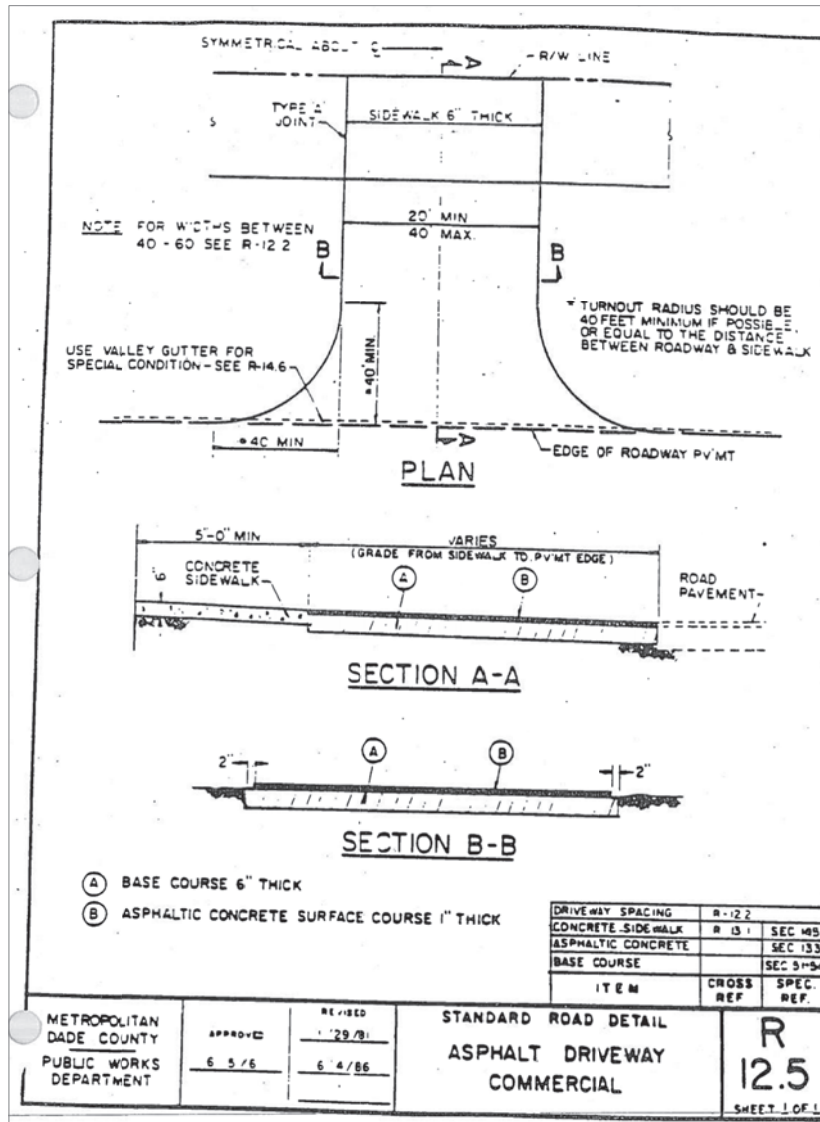
DESIGNED BY RL	DATE	DRAWN BY M.P.	DATE
CHECKED BY A.F.		CHECKED BY A.F.	
SUPERVISED BY:			

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK CENTER
1000 N.W. 25th St.
MIAMI, FLORIDA 33138

EMBANKMENT UTILIZATION

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MARLIN
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ARCEL ABRIN FREDA | P.E. No.: 77550
3363 W. COMMERCIAL BLVD, SUITE 113 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
	RL			M.P.	
CHECKED BY	A.F.		CHECKED BY	A.F.	

SUPERVISED BY:

MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION
STEPHEN P. CLARK, CENTER FOR THE CITY OF MIAMI, FLORIDA 33138

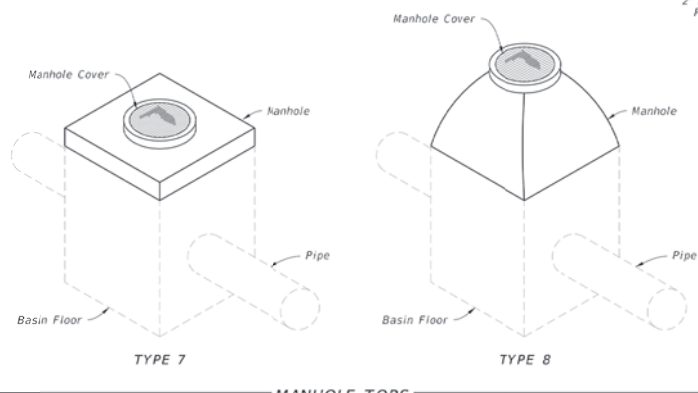
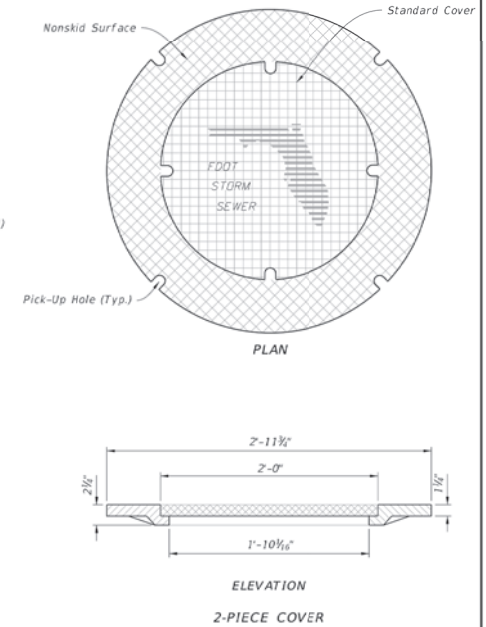
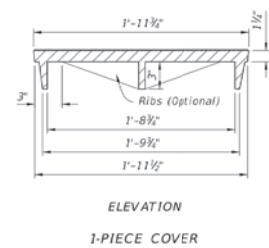
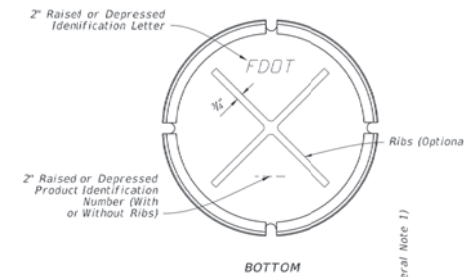
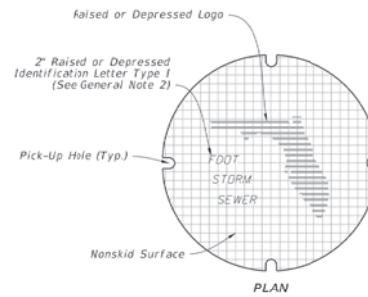
ASPHALT DRIVEWAY

GENERAL NOTES:

1. Use a 1-piece cover, unless the 2-piece cover is called for in the Plans, except at inlets and manholes with sump bottoms. Use the 2-piece cover when the sump depth exceeds 2', unless otherwise noted.
2. Include 'Adjustable' on the cover for Type 1 manhole adjustable frames.
3. For square or rectangular precast drainage structures, use either deformed or smooth WWR meeting the requirements of Specification 931. WWR must be continuous around the box and lapped in accordance with Option 1 or 3 as shown in the Wall Reinforcing Splice Details.
4. Lap splice horizontal steel in the walls of rectangular structures in accordance with Option 1, 2 or 3 as shown in the Wall Reinforcing Splice Details.
5. Welding of splices and laps is permitted. Use AASHTO M259 requirements and restrictions on welds.
6. Rebar straight end embedment of peripheral reinforcement may be used in lieu of ACI standard hooks for top and bottom slabs, except when hooks are specifically called for in the Plans.
7. Precast opening for pipe must be the pipe OD plus 6" ($\pm 2"$ tolerance). Use mortar to seal the pipe into the opening of such a mix that shrinkage will not cause leakage into or out of the structure. Dry-pack mortar may be used to seal openings less than $2\frac{1}{2}"$ wide.

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Sheet	Description
1	General Notes, Contents, Manhole Top Overview, and Manhole Covers
2	Manhole Frames and Manhole Tops
3	Inlet Locking Grates, Subgrade and Base Temporary Drains, and Pipe to Structure Filter Fabric Wrap
4	Drainage Structure Invert, Sump Bottom, Wall Reinforcing Splice Details, and Typical Slab to Wall Details
5	Precast Option and Equivalent Reinforcement substitution
6	Construction Joints and Minimum Box Riser Segment Dimensions
7	Skewed Pipe in Rectangular Structures
8	Miscellaneous Pipe Connection Details



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REVISION	DESCRIPTION
LAST REVISION 11/01/20	

FDOT FY 2021-22 STANDARD PLANS

SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES

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REVISIONS			
DATE	BY	DESCRIPTION	DATE

MARLIN
ENGINEERING
ANGEL ABRIL FREDA | P.E. No.: 77550
3363 W. COMMERCIAL BLVD. SUITE 115 | FT. LAUDERDALE, FL 33309
P: 954.870.5070 | C.A. No. 6104

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK, COVER
100 N.W. 11th St.
MIAMI, FLORIDA 33138

SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES

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