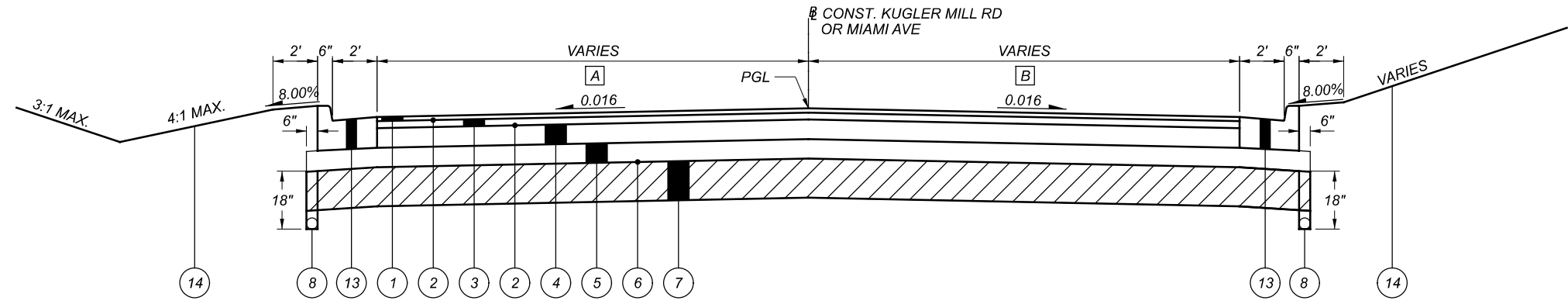


STATION	WIDTH (FEET)				SLOPE (FT/FT)	
	A	B	C	D	E	F
0+85.00	0.7	11.07	10.87	0.8	0.01	0.01
4+09.75	0.3	10.32	10.11	1.3	0.05	0.04
14+46.43	3.6	10.01	10.06	6.6	0.03	0.01
17+75.00	4.2	11.12	11.95	2.2	0.02	0.01

TYPICAL SECTION - EXISTING

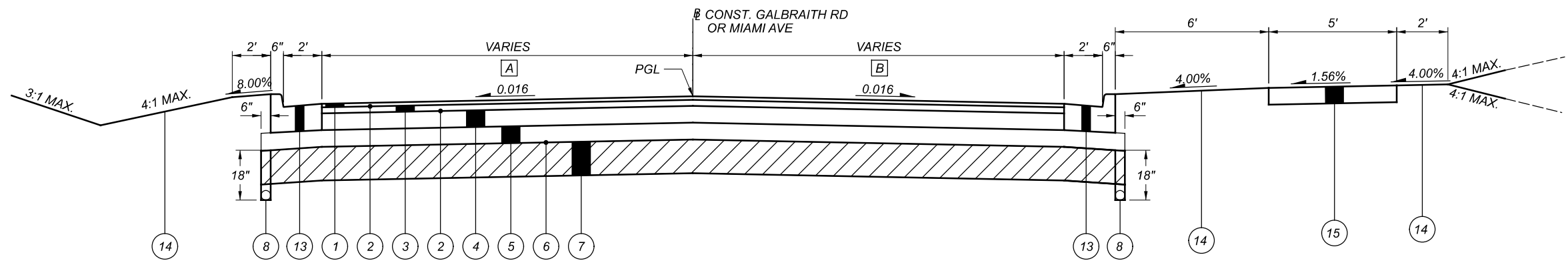


TYPICAL SECTION - CURB AND GUTTER - KUGLER MILL RD AND MIAMI AVE

STA. 3+28.35 TO STA. 4+09.75 - KUGLER MILL RD  
 STA. 17+02.39 TO STA. 17+75.00 - MIAMI AVE

SEE INTERSECTION DETAILS FOR STA 2+18.73 GALBRAITH RD TO STA 3+08.86 KUGLER MILL RD  
 SEE INTERSECTION DETAILS FOR STA 15+78.12 TO STA 16+68.09 MIAMI AVE

NOTE:  
 CURB AND GUTTER SECTIONS ADJACENT TO EXISTING PAVED SHOULDER SECTIONS SHALL HAVE THE GUTTER PAN TRANSITIONED FROM EXISTING SHOULDER CROSS SLOPES TO STANDARD CROSS SLOPE AND CURB HEIGHT FROM 0' TO 6" HEIGHT OVER 10' WITH THE EXCEPTION OF THE NORTHWEST CONNECTION. THIS TRANSITION SHALL OCCUR OVER 25'.



TYPICAL SECTION - CURB AND GUTTER WITH SIDEWALK - GALBRAITH RD AND MIAMI AVE

STA. 0+85.00 TO STA. 1+84.41 - GALBRAITH RD  
 STA. 14+46.43 TO STA. 15+25.23 - MIAMI AVE  
 STA. 15+47.05 TO STA. 15+57.05 - MIAMI AVE

SEE INTERSECTION DETAILS FOR STA 2+18.73 GALBRAITH RD TO STA 3+08.86 KUGLER MILL RD  
 SEE INTERSECTION DETAILS FOR STA 15+78.12 TO STA 16+68.09 MIAMI AVE

LEGEND

- 1 ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- 2 ITEM 407 - NON-TRACKING TACK COAT (0.055 GAL/SY)
- 3 ITEM 441 - 1 1/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- 4 ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- 5 ITEM 304 - 6" AGGREGATE BASE
- 6 ITEM 204 - PROOF ROLLING  
ITEM 204 - SUBGRADE COMPACTION
- 7 ITEM 204 - EXCAVATION OF SUBGRADE, 14" DEEP  
ITEM 204 - GRANULAR MATERIAL, TYPE C  
ITEM 204 - GEOTEXTILE FABRIC
- 8 ITEM 605 - 6" BASE PIPE UNDERDRAINS
- 9 ITEM 609 - CURB, TYPE 3-B, AS PER PLAN
- 10 ITEM 609 - COMBINATION CURB & GUTTER, TYPE 9, AS PER PLAN
- 11 ITEM 451 - 7" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN, STAMPED
- 12 ITEM 451 - 9" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN, STAMPED
- 13 ITEM 609 - COMBINATION CURB & GUTTER, TYPE 2
- 14 ITEM 659 - SEEDING AND MULCHING
- 15 ITEM 608 - 6" CONCRETE WALK



**A** 11.00' FROM STA. 0+85.00 GALBRAITH RD TO STA. 1+68.40 GALBRAITH RD  
 VARIES FROM 11.00' AT STA. 1+68.40 GALBRAITH RD TO 11.96' AT STA. 1+84.41 GALBRAITH RD  
 VARIES FROM 15.31' AT STA. 3+28.35 KUGLER MILL RD TO 11.00' AT STA. 3+49.88 KUGLER MILL RD  
 11.00' FROM STA. 3+49.88 KUGLER MILL RD TO STA. 4+09.75 KUGLER MILL RD  
 11.00' FROM STA. 14+46.43 MIAMI AVE TO STA. 14+62.90 MIAMI AVE  
 VARIES FROM 11.00' AT STA. 14+62.90 MIAMI AVE TO 12.61' AT STA. 14+91.15 MIAMI AVE  
 VARIES FROM 14.02' AT STA. 15+47.05 MIAMI AVE TO 14.42' AT STA. 15+57.05 MIAMI AVE  
 VARIES FROM 11.96' AT STA. 17+02.39 MIAMI AVE TO 11.00' AT STA. 17+18.42 MIAMI AVE  
 11.00' FROM STA. 17+18.42 MIAMI AVE TO STA. 17+25.00 MIAMI AVE

**B** 11.00' FROM STA. 0+85.00 GALBRAITH RD TO STA. 1+68.40 GALBRAITH RD  
 VARIES FROM 11.00' AT STA. 1+68.40 GALBRAITH RD TO 12.29' AT STA. 1+84.41 GALBRAITH RD  
 VARIES FROM 11.23' AT STA. 3+28.35 KUGLER MILL RD TO 11.00' AT STA. 3+43.38 KUGLER MILL RD  
 11.00' FROM STA. 3+43.38 KUGLER MILL RD TO STA. 4+09.75 KUGLER MILL RD  
 11.00' FROM STA. 14+46.43 MIAMI AVE TO STA. 14+59.85 MIAMI AVE  
 VARIES FROM 11.00' AT STA. 14+59.85 MIAMI AVE TO 13.19' AT STA. 14+91.15 MIAMI AVE  
 VARIES FROM 14.31' AT STA. 15+47.05 MIAMI AVE TO 16.46' AT STA. 15+57.05 MIAMI AVE  
 VARIES FROM 11.96' AT STA. 17+02.39 MIAMI AVE TO 11.00' AT STA. 17+18.42 MIAMI AVE  
 11.00' FROM STA. 17+18.42 MIAMI AVE TO STA. 17+25.00 MIAMI AVE

HAM-CR101-13.63

MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 3/20/2024 TIME: 4:16:12 PM USER: 02676 X:\4012500\200606\01110947\_VARS-STW Safety Design 2020-4111942\_HAM\_CR101\_13.63\400-Engineering\Roadway\Sheets\111842\_GG001.dgn

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
13		14		15		16		36		50	CALC	01/SAF/21	ITEM	EXT	TOTAL			
<b>ROADWAY</b>																		
LS												LS	201	11000	LS		CLEARING AND GRUBBING	
1												1	202	20010	1	EACH	HEADWALL REMOVED	
								276			2,136	2,412	202	23000	2,412	SY	PAVEMENT REMOVED	
								18				18	202	32000	18	FT	CURB REMOVED	
391												391	202	32500	391	FT	CURB AND GUTTER REMOVED	
293												293	202	35100	293	FT	PIPE REMOVED, 24" AND UNDER	
1												1	202	58000	1	EACH	MANHOLE REMOVED	
3												3	202	58100	3	EACH	CATCH BASIN REMOVED	
359												359	203	10000	359	CY	EXCAVATION	
170												170	203	20000	170	CY	EMBANKMENT	
								278			2,418	2,696	204	10000	2,696	SY	SUBGRADE COMPACTION	
								108			940	1,048	204	13000	1,048	CY	EXCAVATION OF SUBGRADE, 14" DEEP	
								108			940	1,048	204	30020	1,048	CY	GRANULAR MATERIAL, TYPE C	
											2	2	204	45000	2	HOUR	PROOF ROLLING	
								278			2,418	2,696	204	50000	2,696	SY	GEOTEXTILE FABRIC	
1,428												1,428	608	13000	1,428	SF	6" CONCRETE WALK	
275												275	608	52000	275	SF	CURB RAMP	
										7		7	623	38500	7	EACH	MONUMENT ASSEMBLY, TYPE C	
										1		1	623	40520	1	EACH	RIGHT-OF-WAY MONUMENT, TYPE B	
2												2	SPECIAL	69050100	2	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	
LS												LS	SPECIAL	69098400	LS		CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION	
												LS	878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	
<b>EROSION CONTROL</b>																		
		8										8	601	32200	8	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER, 18"	
2												2	659	00100	2	EACH	SOIL ANALYSIS TEST	
124												124	659	00300	124	CY	TOPSOIL	
1,116												1,116	659	10000	1,116	SY	SEEDING AND MULCHING	
56												56	659	14000	56	SY	REPAIR SEEDING AND MULCHING	
56												56	659	15000	56	SY	INTER-SEEDING	
0.16												0.16	659	20000	0.16	TON	COMMERCIAL FERTILIZER	
0.23												0.23	659	31000	0.23	ACRE	LIME	
6												6	659	35000	6	MGAL	WATER	
						LS						LS	832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
						LS						LS	832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
						LS						LS	832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
						12,000						12,000	832	30000	12,000	EACH	EROSION CONTROL	
		42										42	836	10000	42	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	
<b>DRAINAGE</b>																		
												104	605	13300	104	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
												858	605	14000	858	FT	6" BASE PIPE UNDERDRAINS	
												184	611	00510	184	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
												25	611	04400	25	FT	12" CONDUIT, TYPE B	
												216	611	04600	216	FT	12" CONDUIT, TYPE C	
												259	611	05900	259	FT	15" CONDUIT, TYPE B	
												174	611	06100	174	FT	15" CONDUIT, TYPE C	
												97	611	07400	97	FT	18" CONDUIT, TYPE B	
												85	611	07600	85	FT	18" CONDUIT, TYPE C	
												55	611	10400	55	FT	24" CONDUIT, TYPE B	
												246	611	10600	246	FT	24" CONDUIT, TYPE C	
												2	611	98150	2	EACH	CATCH BASIN, NO. 3	
												10	611	98180	10	EACH	CATCH BASIN, NO. 3A	
												1	611	98300	1	EACH	CATCH BASIN, NO. 5	
												1	611	98410	1	EACH	CATCH BASIN, NO. 8	
												5	611	98470	5	EACH	CATCH BASIN, NO. 2-2B	
												5	611	99574	5	EACH	MANHOLE, NO. 3	

GENERAL SUMMARY

DESIGN AGENCY  
  
 CLIENT  
  
 DESIGNER  
 ARM  
 REVIEWER  
 SJS 03/20/24  
 PROJECT ID  
 111842  
 SHEET TOTAL  
 P.11 47

REF NO.	SHEET NO.	STATION TO STATION	TO	201	202	202	202	202	203	203	608	608	609	609	609	609	632	659	659	659	659	659	659	659	659	659	659	878	
				LS	EACH	FT	FT	EACH	EACH	CY	CY	SF	SF	FT	FT	FT	EACH	EACH	EACH	CY	SY	SY	SY	TON	ACRE	MGAL	EACH	LS	
C-1	17, 18, 19	0+85.00	17+75.00										276																
C-2	17, 18, 19	0+85.00	14+46.43										307																
C-3	17, 18, 19	17+75.00	4+09.75										242																
C-4	17, 18, 19	14+46.43	4+09.75										250																
CC-1	17, 18, 19	15+68.00																											
C-5	17, 18, 19	1+84.41	2+18.73																										
C-6	17, 18, 19	3+08.86	3+28.35																										
C-7	17, 18, 19	16+68.09	17+02.39																										
C-8	17, 18, 19	15+57.05	15+78.12																										
C-9	17, 19	15+25.23	15+47.05																										
C-10	17, 18, 19	0+00.00	2+70.18																										
MB-1	17	4+01.32																											
MB-2	18	17+74.00																											
R-1	17	0+85.00	0+95.81				11																						
R-2	17	0+85.00	2+26.80				139																						
R-3	17, 18, 19	1+30.22	1+44.93				18																						
R-4	17, 18, 19	1+45.18	2+41.42				107																						
R-5	17, 18, 19	16+58.98	17+75.00				116																						
W-1	17, 18, 19	0+85.00	15+56.15								909																		
W-2	17, 18, 19	14+46.63	15+46.09								519																		
CR-1	17, 18, 19	15+46.02	15+57.92									111																	
CR-2	17, 18, 19	15+45.82	15+57.40									101																	
CR-3	17, 18, 19	15+47.05	15+57.05									63																	
R-6	17, 18, 19	15+74.76																											
R-7	17, 18, 19	2+42.36	3+01.17																										
R-8	17, 18, 19	16+07.90	16+56.12																										
R-9	17, 18, 19	2+49.43	3+08.50																										
R-10	17, 18, 19	16+07.90	15+73.80																										
R-11	17, 18, 19	16+07.90																											
R-12	17, 18, 19	3+01.17																											
R-13	17, 18, 19	2+42.36																											
R-14	17, 18, 19	3+08.50																											
R-15	18	15+14.00	14+97.00																										
R-16	18	14+90.00	14+75.00																										
6-7		GENERAL NOTES																											
24-31		CROSS SECTIONS		LS																									
47		TRAFFIC SIGNALS																											
TOTALS CARRIED TO GENERAL SUMMARY				LS	1	293	391	1	3	359	170	1428	275	1075	322	162	1	1	2	124	1116	56	56	0.16	0.23	6	2	LS	

PIPE REMOVED, 24" AND UNDER

ROADWAY AND ESTIMATED QUANTITIES

DESIGN AGENCY  
  
 CLIENT  
  
 DESIGNER  
 ARM  
 REVIEWER  
 SJS 03/20/24  
 PROJECT ID  
 111842  
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 P.13 47