1   146+50   Rt	MARKS	RE♪	SAND CEMENT RIPRAP	REINF. STEEL	CLASS II CONC.	CLASS I CONC.	PERF. TURF (SOD)	VD	MITE EN SECT		FLAREI END ECTIO		TTER NLET s	11	ETS	DITCH INI A B	МП		P-2 J-1		GUTTER DRAIN OPT. TYPE	IER	ОТЕ	TYPE	PTIONAL	RAIN O		AND C				BARRELS	DESCRIPTION	SIDE	ATION	STR. NO.	
Company   Comp			CY	Lbs.	CY	CY	SY	24"	18"	30"	18"	15"	)' > 10'	< 10' < 10	< 10'	10' <10	< 10'	0' < 10'	< 10' < 10	< 10'	15"	30"	24"	60"	48"	42"	36"	30"	24"		15"						
3	Conc. Colla	Const. C	$\equiv$																																		П
Note			-+																							$\rightarrow$				103'		1	Pipe	Lt.	146+54.12	2	+
1			=																	1											89'	1	Inlet, Pipe	Rt.	147+33.80	3	
## 1947.35  ## 1947.35  ## 1947.36  ## 194			=															1									78'					1	Inlet, Pipe	Lt.	147+61	4	
## CHANGE   R. W. WALLES   L. W.	Height	Mod. H	-+																1												93'	1	Inlet, Pipe	Lt.	148+15.96	5	ł
*** **********************************	Brick	Alt. A.	-														1			$\vdash$						$\blacksquare$	28'					1	MH Pine	Rt	148+45 30	6	-
*** **********************************																				П																	Ī
*** **********************************	CLASS II	- RCF C																1									52										r
Mail			$\rightarrow$			6.33	43							_	H	_	+	+		Н						16'	$\overline{}$					1	EW, Pipe	Rt.	148+77.55	8	
## STATE   ST			=																1									185'				1	Inlet, Pipe	Rt.	149+35	9	
1			=	=										$\pm$		$\pm$	$\exists$			1						=				53'		1	Inlet, Pipe	Lt.	149+35	10	ŀ
## 180-72   R.   CONTROLL   CONTR			+				9		1						$\vdash$		_			Н					+					76'		1	MES, Pipe	Lt.	1+18 & Leg A	11	-
30	7.ASS #	RCP CI	2.9				24						$\Box$				$\exists$			П						=			80'			1		Rt.		12	
H 5:05 Ramp A 12. GR. Page. CRY 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																	#			H		0.01															
Section   Sect																				Н		96'										1					
18    St-500 Rump A   Rr.   Droce, Page			-+			3.26	62							1						Н							$\longrightarrow$	72'				1	EW, Pipe, Inlet	Lt.	-00 Ramp A	14	-
## 234-00   L.   CONF. PRINCE   CONF. CONF			_			3.26	62																50'									1	Pipe, EW	Rt.	-00 Ramp A	14A	
2						0.67	17						1								32'											1	Inlet, Pipe, EW	Rt.	+00 Ramp A	15	
1	lar, Pipe At	Const. Colla	-+			10.48	97										-			Н					320'	$\longrightarrow$	$\longrightarrow$					2	EW, Pipe	Lt.	214+00	16	
18			$\rightarrow$				6								1		-													8'		7	Inlet Pine	D+	214±14	17	
1																																					
198			$\overline{}$								1			1																62'		I	1111007 1 1907 1 20				Ī
18			-	695	11.3		140									1	$\dashv$			Н				102'								1	EW, Pipe, Inlet	Rt.	229+00	19	
20				824	13.7		17.2																	196′								2	Pipe, EW	Lt.	229+00	19A	
22 260+00 Rt. FES. Fipe. Intel: 1 87																								204'								1	Pipe	Lt.	229+00	19B	-
22 260-00 R. FES. Fige. Index 1 87 SUMMARY OF DESCRIPTION DATE SUMMARY OF DESCRIPTION DESCRIPTION DESCRIPTION DATE SUMMARY OF DESCRIPTION DATE	. Collar	Const.					14	1									_			Н						$\rightarrow$			40'			1	MES, Pipe	Rt.	229+42	20	ŀ
22   260-00   R.   FES. Pipe. Initel   1   87			=						,						,		_			Н										0.61							
23															Ľ															00							-
GRAND TOTALS - PLAN QUANTITY   358   400   120   257   158   16   320   502   50   96   32   2   1   2   2   2   1   1   2   1   2   1   2   1   2   1   3   400   2500   1519   29      The Description   Date   Description   Department of transportation   SUMMARY OF DRAINAGE STRUCTURES							19					1				1				Н							$\longrightarrow$				87'	1	FES, Pipe, Inlet	Rt.	260+00	22	
GRAND TOTALS - PLAN QUANTITY   358   400   120   257   158   16   320   502   50   96   32   2   1   1   2   1   2   1   2   1   2   1   2   1   2   1   748   24.00   25.00   1519   2.9      BEVISIONS   TATE OF FLORIDA   DESCRIPTION   DATE   DESCRIPTION   DEPARTMENT OF TRANSPORTATION   SUMMARY OF   DEPARTMENT OF TRANSPORTATION   DEPARTMENT OF TRANSPORTATION   SUMMARY OF   DRAINAGE STRUCTURES			=				19					1			H	1	$\dashv$			Н						=					89'	1	Inlet, Pipe, FES	Lt.	281+00	23	
GRAND TOTALS - PLAN QUANTITY   358   400   120   257   158   16   320   502   50   96   32   2   1   1   2   1   2   1   2   1   2   1   2   1   2   1   3   1   4   4   4   4   4   4   4   4   4					_												_			Н																	
GRAND TOTALS - PLAN QUANTITY   358   400   120   257   158   16   320   502   50   96   32   2   1   1   2   1	1a 💳	SDS-1	HIBIT	FX													$\dashv$			$\Box$																	ŀ
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- 1. The Contractor may use any of the optional pipe materials tabulated for a given structure. Only the material options tabulated for a given structure can be used.
- 2. Adjustment to the bid quantities, prices and payment will not be allowed due to increase or decrease in structure size, shape, length, width, depth or accessory construction necessary to accommodate the use of an optional pipe material other than the "plotted" option; likewise there will be no added or reduced compensation for structure alterations required to relieve utility conflicts which arise from the use of an optional material other than the "plotted" option.
- 3. Adjustment to the bid quantities, prices and payment will not be allowed due to increased or decreased excavation, bedding, borrow, backfilling, compaction, special installation requirements or disposal of excess materials due to use of any of the pipe optional materials. Likewise, adjustment in the quantities, prices and payment will not be allowed due to differences in end treatment size or types, pipe length, alternate jointing and connecting materials, saddles, cradles, filter fabrics, shoring or similar features due to the use of an optional material other than the "plotted" option.
- 4. If adjustments are required due to plan errors or omissions or authorized field changes, the "plotted" material and not the material elected by the Contractor would be used to establish new pay quantities.
- 5. The Contractor shall notify the Department in writing as to which optional pipe materials he chooses to use at the preconstruction conference. Once identified the Contractor may not change pipe material selected without the approval of the Engineer.
- 6. Pipe shapes other than round (Elliptical/Arch) are summarized and paid for using equivalent round pipe diameter.

THIS EXAMPLE SHOULD BE USED WHEN PIPE FLOW LINES, AND/OR SIZES FOR INDIVIDUAL OPTIONS ARE NOT THE SAME (SEE STRUCTURE NO. 14) OR WHEN NUMEROUS EXCEPTIONS OCCUR.

STR. NO.	DSL YEARS	SIZE (Inches)	РІОТТЕВ	MATERIAL & THICKNESS	FL	FL	AS BUILT	REMARKS
1	100	18	Х	RCP CLASS II				
2	100	18	Х	RCP CLASS II				
<u> </u>		10						
3	100	15	Х	RCP CLASS II	7.0			
				SRAP				
4	100	36	X	RCP CLASS II	5.7			
				SRSP, 12 GA.				
				SRAP, 12 GA. SRASP, 16 GA.				
				SKASP, 10 GA.				
5	100	15	Х	RCP CLASS II	7.7			
				SRAP				
6	100	36	Х	RCP CLASS II	6.4	5.7		
<del>-</del> آ	700	30	^	SRSP, 12 GA.	0.4	3.7		
				SRAP, 12 GA.				
<u> </u>				SRASP, 16 GA.				
7	100	36	Х	RCP CLASS II	6.5	6.4		
8	100	42	Х	RCP CLASS II	7.9	7.7		
_				SRAP SRSP				
				Shor				
9	100	30	Х	RCP CLASS II	6.8	6.5		
				SRAP, 16 GA. SRSP, 16 GA.				
				SKSP, 16 GA.				
10	100	18	Х	RCP CLASS II	7.6	7.2		
				SRAP, 16 GA.				
				SRSP, 14 GA. SRASP, 16 GA.				
_				SIASI , 10 GA.				
11	100	18	Х	RCP CLASS II	8.0	7.6		
				SRAP, 16 GA. SRSP, 14 GA.				
-				SRASP, 14 GA. SRASP, 16 GA.				
12	100	24	Х	RCP CLASS Ⅲ				ENDWALL
13	100	24x38	Х	ERCP CLASS II	10.4	10.3		
15	100	35x24		ASPA, 14 GA.	10.4	10.5		
14	50	30	Х	RCP CLASS III	6.0	5.9		
$\vdash$		-		SRASP 14 GA. SRAP, 14 GA.	+			
				HDPE-1				
				PVC				
<u> </u>	_	36 36		CAP, 16 GA. CSP, 16 GA. BIT. COATED	5.9 5.9	5.8 5.8	-	
		30		CSF, 10 GA. BIT. CUATED	3.9	5.0		
14A	50	19×30	Х		5.9	5.8		
<u> </u>	_	28×20		ERCP CLASS III ASPA 14 GA.	-			
<del>                                     </del>			$\vdash$	ASPA 14 GA.				
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EXHIBIT SDS-2a Date: 1/1/13

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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
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OPTIONAL MATERIALS TAB ULA TION

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## GENERAL NOTES

- 1. The Contractor may use any of the optional pipe materials tabulated for a given structure. Only the material options tabulated for a given structure
- 2. Adjustment to the bid quantities, prices and payment will not be allowed due to increase or decrease in structure size, shape, length, width, depth or accessory construction necessary to accommodate the use of an optional pipe material other than the "plotted" option; likewise there will be no added or reduced compensation for structure alterations required to relieve utility conflicts which arise from the use of an optional material other than the "plotted" option.
- 3. Adjustment to the bid quantities, prices and payment will not be allowed due to increased or decreased excavation, bedding, borrow, backfilling, compaction, special installation requirements or disposal of excess materials due to use of any of the pipe optional materials. Likewise, adjustment in the quantities, prices and payment will not be allowed due to differences in end treatment size or types, pipe length, alternate jointing and connecting materials, saddles, cradles, filter fabrics, shoring or similar features due to the use of an optional material other than the "plotted" option.
- 4. If adjustments are required due to plan errors or omissions or authorized field changes, the "plotted" material and not the material elected by the Contractor would be used to establish new pay quantities.
- 5. The Contractor shall notify the Department in writing as to which optional pipe materials he chooses to use at the preconstruction conference. Once identified the Contractor may not change pipe material selected without the approval of the Engineer.
- 6. Pipe shapes other than round (Elliptical/Arch) are summarized and paid for using equivalent round pipe diameter.

THIS EXAMPLE SHOULD BE USED WHEN MATERIAL OPTIONS ARE THE SAME FOR THE DIFFERENT PIPE SIZES AND WHEN LIMITED EXCEPTIONS ARE NOTED.

STRUCTURE	SIZE (Inches		PLOTTED	AS BUILT	REMARKS
	15	RCP CLASS II	Х		
		5RAP, 14 GA.			
EXCEPTION	18	RCP CLASS II	Х		
5-1 & 5-2		SRAP, 16 GA.			
SRCP CLASS II		SRSP, 14 GA.			
ONLY		SRASP, 16 GA.	_		
EXCEPTION	24	RCP CLASS III	X		
S-12	2.7	SRAP, 16 GA.	- ~		
SRCP CLASS III		SRSP, 16 GA.			
ONLY		SRASP, 16 GA.			
	30	RCP CLASS III	Х		
		SRAP, 14 GA.			
		SRASP, 14 GA.			
		+	+		
EXCEPTION	36	RCP CLASS II	X	-	
S-7	36	SRAP, 14 GA.	+ ^	-	
SRCP CLASS II		5R5P, 12 GA.			
ONLY		SRASP, 16 GA.			
EXCEPTION	24x38	ERCP, CLASS II	X		
S-13	35x24	ASPA, 14 GA.			
EXCEPTION	19×30	ERCP, CLASS III	X		
5-14-A	28x20	ASPA, 14 GA.			
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EXHIBIT SDS-3a Date: 1/1/13

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