

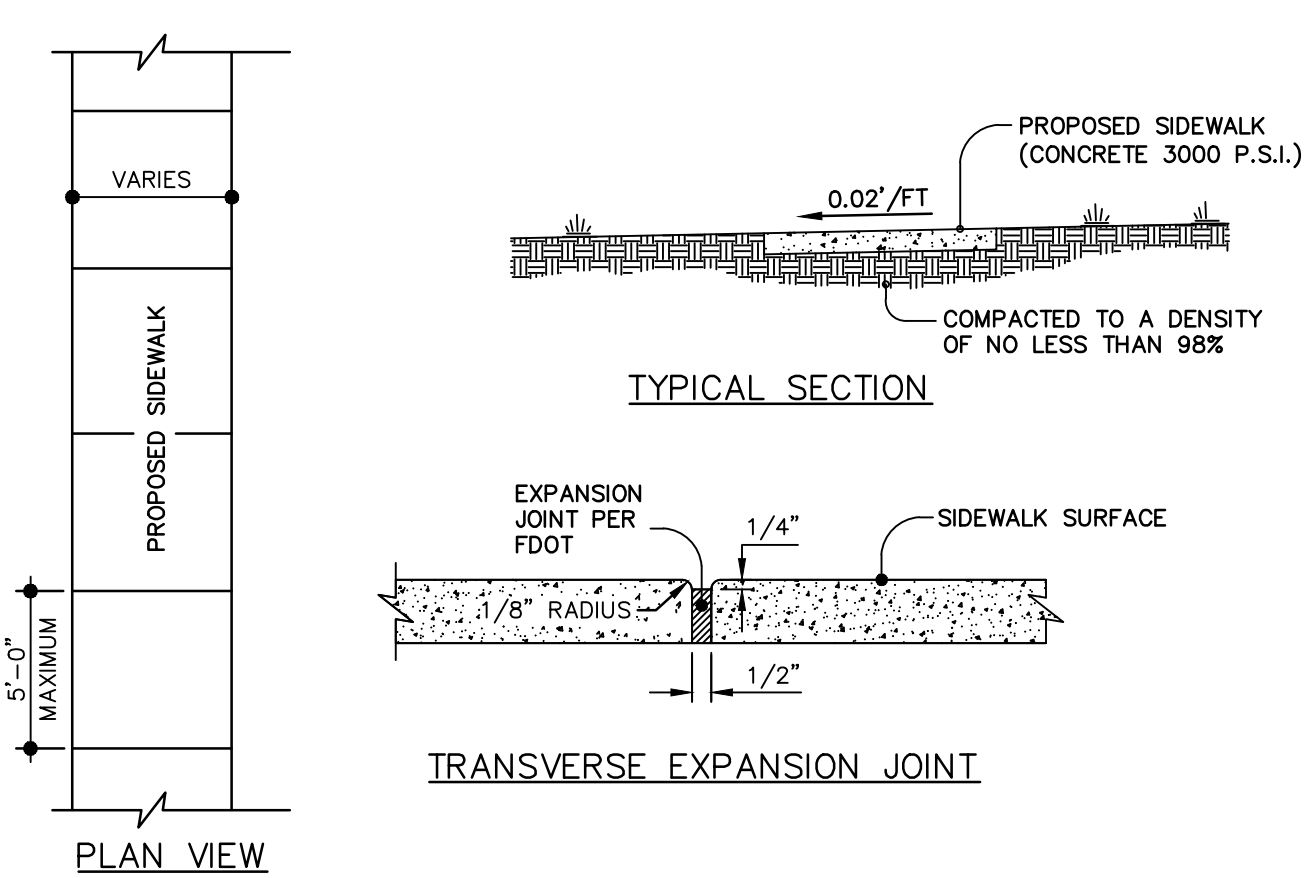
MATCH LINE SEE SHEET C-302

SUNSHINE ONE-CALL
DESIGN TICKET NO: 158308041

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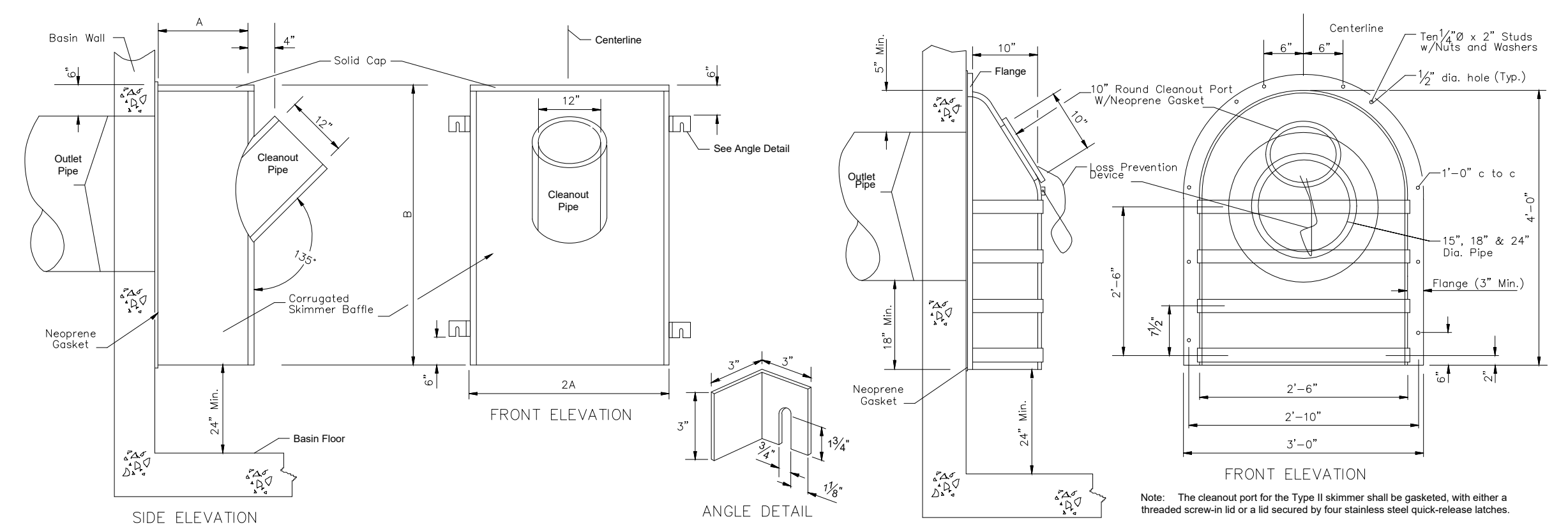
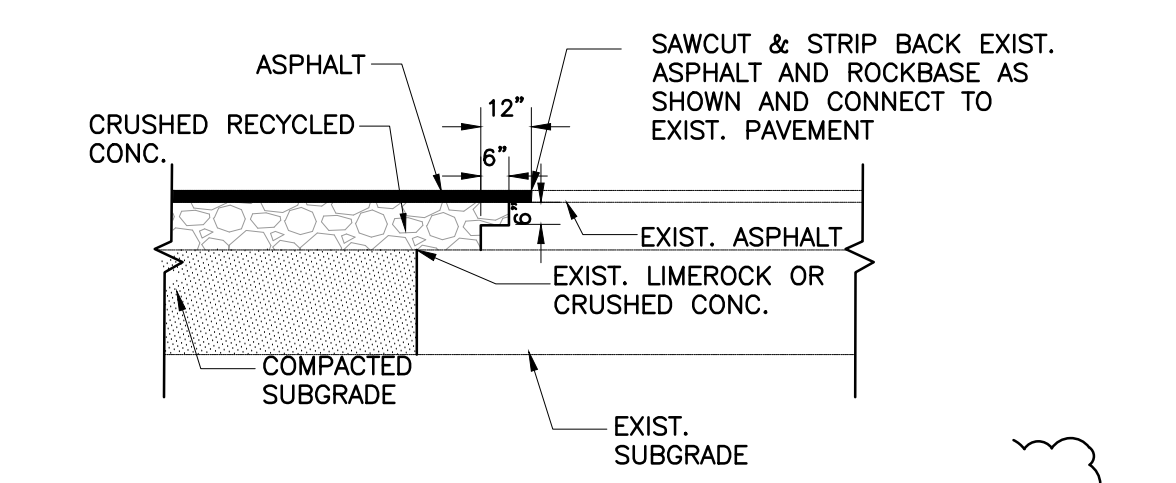
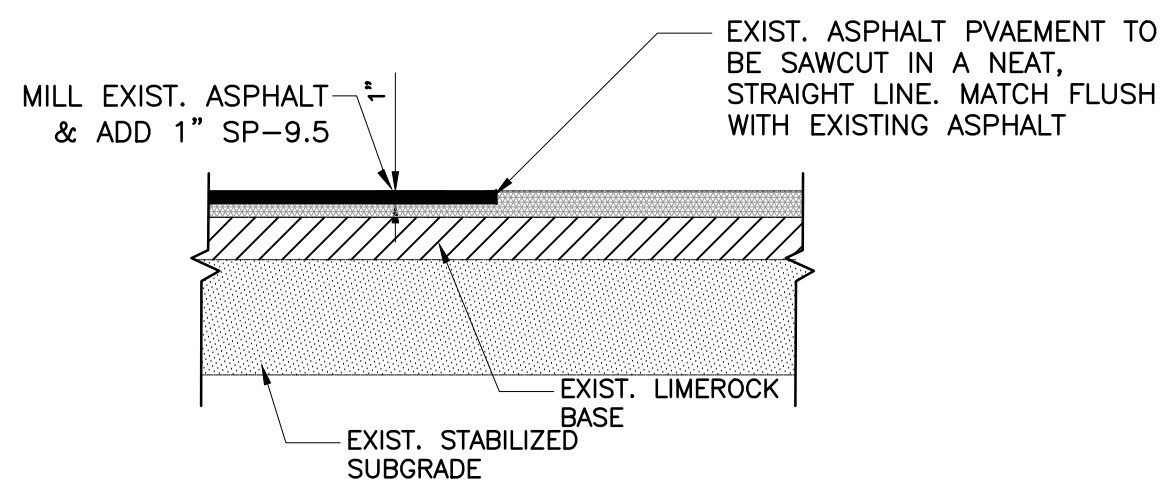
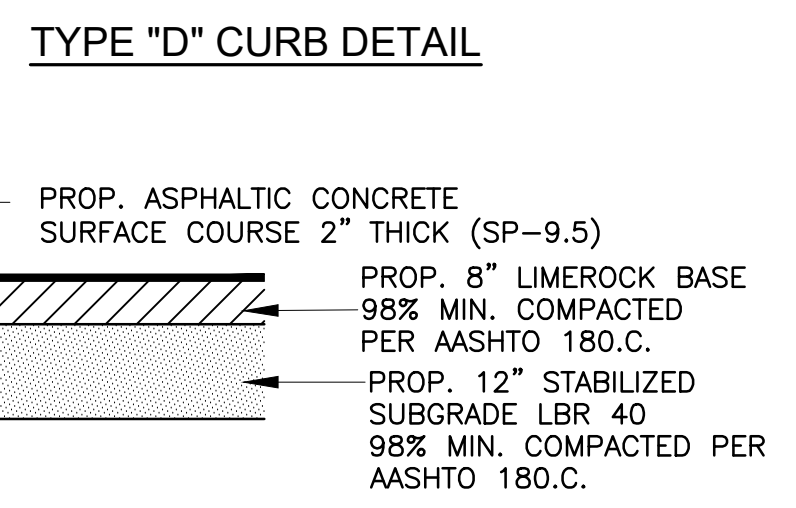
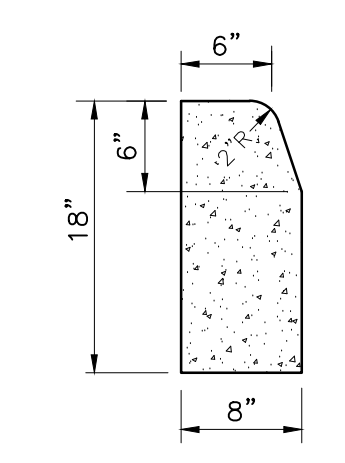
REVISIONS: 1 REVISED AS PER TOWN OF MIAMI LAKES PW 2 REVISED AS PER TOWN OF MIAMI LAKES PW 3 ADDED MILLING AND REPAVING NOTES TO PLAN 4 COORDINATION PER UTILITY CONFLICT	DATE:	11-03-23
		01-10-24
		04-02-24
		08-28-24
08/29/2024 OSCAR E. ROBAYNA, P.E. PROFESSIONAL ENGINEER		
CERTIFICATION: This item has been digitally signed and sealed by Oscar E. Robayna, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.		
DESIGNED:	OER	
DRAWN:	GC	
CHECKED:	OER	
SCALE:	1"=40'	
NOT VALID WITHOUT SIGNATURE, DATE AND SEAL		
DRAWING NAME: PAVING, GRADING AND DRAINAGE PLAN PROJECT: PALMA DEL LAGO PREPARED FOR: GT HOMES MIAMI LAKES, USA		
SHEET: C-303 3 OF 7 SHEETS DATE: 5-16-2023 PROJ. No: 220107		

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- NOTES:**
1. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 50 FEET.
 2. ALL CONCRETE TO BE FINISHED WITH CURING COMPOUND.
 3. A 6 INCH DEPTH IS REQUIRED AT LOCATIONS OF DRIVEWAY CROSSINGS, AT STREET INTERSECTIONS (ALONG THE LENGTH OF RADIUS CURB RETURNS), AND IN THE HANDICAP RAMPS.
 4. 6 INCH DEPTH REQUIRED FOR ANY LOCATION WHERE SEPARATION IS NOT PROVIDED BETWEEN SIDEWALK AND ASPHALT ROADWAY. REFER TO CROSS SECTIONS AND PLANS FOR THICKNESS OF SIDEWALK.

SIDEWALK DETAIL
N.T.S.



TYPE I SKIMMER DIMENSION TABLE

OUTLET PIPE	A	B
18"	12"	42"
24"	15"	48"
30"	18"	54"
36"	21"	60"

- GENERAL NOTES**
1. The Frenchdrain Skimmer is a hooded cover, mounted over an outlet in a catchbasin, that prevents oil and floating debris from exiting the basin. Use this skimmer in Frenchdrain Catchbasins and in other locations where there is a need to prevent oil, debris or other floating contaminants from exiting Catch basins through outlet pipes.
 2. Place neoprene gasket material between the skimmer and the catchbasin at all points of contact. Trim the gasket neatly to extend 1/2 inch beyond the joint on all sides.
 3. Skimmer baffle, cleanout pipe and angles shall be primarily constructed of either galvanized steel, aluminum, polyvinyl chloride, polyethylene, fiberglass or acrylonitrile butadiene styrene. All steel components, other than stainless, shall be hot-dip galvanized.
 4. Mounting hardware, hinges and latches shall all be stainless steel. Loss prevention device shall be either stainless steel chain or riveted nylon strap.
 5. Material used in construction of skimmer bodies (baffles) and cleanout pipe shall comply with Standard Specification 943 for steel, 945 for aluminum or 948 for plastics.
 6. All costs for furnishing and installing a french drain skimmer shall be included in the cost of the basin in which it is installed. Retrofit skimmers shall be paid for as 'modify existing structure'.
 7. Plastic Skimmers shall contain a minimum of 1.5% by weight of carbon black for UV protection.
- DESIGN NOTES**
1. The contractor may submit an alternative design prefabricated Frenchdrain Skimmer for approval by the Engineer.
 2. Show, in the plans, the location of the basin and indicate the interior side(s) of the basin on which a skimmer will be installed.
 3. Type I Skimmer dimensions shall be based on the outlet pipe diameter as shown in the dimension table.
 4. Type II Skimmers are to be used only with outlet pipe diameters of 15", 18", and 24".

BAFFLE DETAILS F.D.O.T. INDEX 241
N.T.S.

DRAINAGE STRUCTURE TABULATION

NO	Sub-Basin	Status	CATCH BASIN		EXFILTRATION TRENCH		TYPE STRUCTURE AND DIAMETER	GRATE	INVERT ELEVATION (FT) LOCATION		BAFFLE LOCATIO
			RIM EL.	BOTTOM EL.	EXISTING	PROPOSED			EXISTING	PROPOSED	
			S-1	Dunhill Cove	Proposed	6.21			-1.59	90 LF - 18" TO E, 21 LF - 18" TO N	
S-2	Dunhill Cove	Proposed	6.20	-0.80	50 LF - 18" TO W, 20 LF - 18" TO N	135 LF - 18" TO E	TYPE J (72") (SD. 2.6)	USF 4700 HINGED FRAME AND 6223 GRATE	2.70 W, 2.66 N	2.70 E, W	E, W
S-2A	Dunhill Cove	Proposed	6.20	-0.80		25 LF - 18" TO E, 25 LF - 18" TO W	TYPE P (42") (SD. 2.7)	USF 4700 HINGED FRAME AND 6223 GRATE		2.70 E,W	E, W
S-3	Dunhill Cove	Proposed	6.76	-0.24	50 LF - 18" TO E, 15 LF - 18" TO N	205 LF - 18" TO W	TYPE J (72") (SD. 2.6)	USF 4700 HINGED FRAME AND 6223 GRATE	3.26 E, 3.40 N	3.26 W	E, W
S-4	Dunhill Cove	Proposed	6.50	-0.50	49 LF - 18" TO E, 15 LF - 18" TO N	204 LF - 18" TO E, 50 LF - 18" TO W	TYPE J (72") (SD. 2.6)	USF 4700 HINGED FRAME AND 6223 GRATE	3.26 E, 3.08 N	3.26 E,W	E, W
S-5	NW 85th Ave	Existing	6.55	-0.45	25 LF - 18" TO S		TYPE P (42") (SD. 2.7)	USF 4700 HINGED FRAME AND 6223 GRATE	3.05 S	3.05 S	S
S-6	NW 85th Ave	Existing	6.64	-0.36	25 LF - 18" TO S		TYPE P (42") (SD. 2.7)	USF 4700 HINGED FRAME AND 6223 GRATE	3.14 S	3.14 S	S
S-7	NW 85th Ave	Existing	6.98	-0.02	25 LF - 18" TO S		TYPE P (42") (SD. 2.7)	USF 4700 HINGED FRAME AND 6223 GRATE	3.93 S	3.93 S	S
S-8	NW 85th Ave	Existing	7.17	0.17	25 LF - 18" TO S		TYPE P (42") (SD. 2.7)	USF 4700 HINGED FRAME AND 6223 GRATE	3.48 S	3.48 S	S
S-9	Dunhill Isle	Existing	6.80	-0.20	45 LF - 18" TO W		TYPE P (42") (SD. 2.7)	USF 4700 HINGED FRAME AND 6223 GRATE	3.30 W	3.30 W	W
S-10	Dunhill Isle	Existing	6.83	-0.17	45 LF - 18" TO W		TYPE P (42") (SD. 2.7)	USF 4700 HINGED FRAME AND 6223 GRATE	3.33 W	3.33 W	W
S-11	Dunhill Isle	Existing	7.03	0.03	45 LF - 18" TO W		TYPE P (42") (SD. 2.7)	USF 4700 HINGED FRAME AND 6223 GRATE	3.53 W	3.53 W	W
S-12	Dunhill Isle	Existing	6.98	-0.02	45 LF - 18" TO W		TYPE P (42") (SD. 2.7)	USF 4700 HINGED FRAME AND 6223 GRATE	3.98 W	3.98 W	W

SUNSHINE ONE-CALL
 DESIGN TICKET NO: 158308041

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ROBAYNA AND ASSOCIATES INC.
 ENGINEERS - PLANNERS - SURVEYORS
 5723 NW 156th STREET
 MIAMI LAKES, FL 33014
 PH: (305) 923-3316 E.B. # 3304

DESIGNED BY: OER
DRAWN BY: GC
CHECKED BY: OER
SCALE: AS SHOWN

DATE: 11-03-23
 01-10-24
 04-11-24
 08-28-24

REVISIONS:

1	REVISED AS PER TOWN OF MIAMI LAKES PW	11-03-23
2	REVISED AS PER TOWN OF MIAMI LAKES PW	01-10-24
3	REVISED AS PER TOWN OF MIAMI LAKES PW	04-11-24
4	COORDINATION PER UTILITY CONFLICT	08-28-24

FOR THE FIRM:

GT HOMES MIAMI LAKES, USA

DRAINAGE DETAILS & STRUCTURAL TABULATION

PALMA DEL LAGO

GT HOMES MIAMI LAKES, USA

SHEET: C-305
 5 OF 7 SHEETS
 DATE: 5-16-2023
 PROJ. No: 220107