

Lyons Park NIP
Pompano Beach, FL
Outfall Evaluation Matrix



Recommended 1
Recommended 2
Recommended 3

Outfall	Description		Evaluation					Recommendations
See Map			Size (inch)	Approx. Length (ft)	Permits Required	Eastment Condition	Outfall Construction Costs	Comments
1	66-inch Outfall @ SE 13th Street, Bimini Waterway	Current Design	66	2330	None	Need a 20 ft easement	\$ 820,194.00	Property owner not willing to give easement for free. This alternative has the shorter time of implementation if easment if obtained.
2	36-inch Exist. Outfall @ SE 13th Street, Bahama Waterway	Studied with BODR	72	970	A, B, C	No easement shown in ROW maps	\$ 431,700.00	Eliminated because of limited space to construct new outfall and additional utilities to consider.
3	Between SE 11th and SE 12th Streets	Studied with BODR	66	380	A, B, C	Need a 20 ft easement	\$ 156,400.00	Eliminated because of limited space to construct new outfall. Could be considered if purchasing property (\$500,000).
4	Between SE 9th Streets and SE 9th Court, Marathon Waterway	Studied with BODR	66	550	A, B, C	No easement	\$ 386,000.00	Eliminated because of limited space to construct new outfall. Could be considered if purchasing property (\$600,000).
5	SE 12th Court, Bermuda Waterway	Studied in July 2017	66	1625	A, B, C	Need a 20 ft easement	\$ 557,250.00	Similar to No 1, it requires an easment. Owner had been contacted previously and showed no interest.
6	Exist. 48-inch Outfall @ Cypress Rd Bridge over C-14 Canal	New Alternative	84	2300	A, B, C, D, E	Within Cypress Rd ROW	\$ 1,069,000.00	The existing outfal could not be used. It would have to be upsized. A large amount of utility cnflicts would be expected, cost unknown.
7	New Outfall Between SE 13th and SE 14th Streets, Bahama Waterway	New Alternative	66	1050	A, B, C	No easement	\$ 372,100.00	A large amount of utility cnflicts would be expected, cost unknown. Could be considered by purchasing the property (\$716,400)
8	New Outfall @ McNab Rd Bridge over C-14 Canal	New Alternative	66	2310	A, B, C, D, E	No easement	\$ 777,820.00	A large amount of utility cnflicts would be expected, cost unknown. Easement required is within parking lot of condo building.
9	New Outfall Btween 4th and 3th Avenues, Michael Waterway	New Alternative	66	1675	A, B, C	No easement	\$ 660,190.00	Could be considered if purchasing property (\$540,000).
10A	Exist. Outfall into C-14 Canal @ 18th Court	New Alternative	66	1595	A, B, C, D, E	Exist. 10 ft Easement. Need to increase easmemt.	\$ 731,290.00	Very limited space between houses. Other utilities within easement.
10B	Exist. Outfall into C-14 Canal @ SW 1st Terrace	New Alternative	66	1570	A, B, C, D, E	Exist. 10 ft Easement. Need to increase easmemt.	\$ 723,240.00	Area is clear of structures. Only has some trees. May require mitigation.
10C	Exist. Outfall into C-14 Canal @ 1st Avenue	New Alternative	66	1665	A, B, C, D, E	Exist. 10 ft Easement. Need to increase easmemt.	\$ 753,830.00	Appears to be sufficient room. Some trees and improvements (playgrouds) to relocate.
10D	New Outfall into C-14 Canal @ 18th court & 2nd Avenue	New Alternative	66	1375	A, B, C, D, E	Requires 20 ft Easement	\$ 660,450.00	Appears to be sufficient room. No trees, only some improvements (fence) to relocate.
11	New Outfall along SW 5th Avenue	New Alternative	66	1400	A, B, C	Requires 20 ft Easement	\$ 844,685.00	Appears to be sufficient room. Some small palms, fence and utility poles to contend with.

- Notes:
- 1 Size for outfalls 2-11 are assumed
 - 2 Property values from Zillow website + 20%
 - 3 Cost of relative **outfall** construction only. Cost of seawall repairs assumed to be similar to Alternative 1
 - 4 Permit in C-14 waterway may require benthic and seagrass surveys
 - 5 Alternatives 11, 10B and 10D have longer time of implementation than 1.
 - 6 All alternatives, except 1 require major redesign of stormsewer system and addt'l survey.

Permits Required		Timeframe
A	Permit Mod with Broward County (ERP and License)	4 months
B	Broward County Traffic Engineering permit	3 months
C	404 permit with Army Corp of Engineers	8 months
D	408 permit with Army Corp of Engineers	1-1.5 years
E	ROW Occupancy Permit with SFWMD	4 months