

POND SITING REPORT

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EXECUTIVE SUMMARY

- *Summary of section 1.0 & 2.0.*
- *Specify datum used in the design calculations and the construction plans.*
- *Preferred pond alternatives*

SECTION 1.0 – INTRODUCTION

- *Brief description of the intent of the report.*

SECTION 2.0 – PROJECT DESCRIPTION

- *Overall project location (county, city, section/township/range, Turnpike milepost, etc.)*
- *Include maps; such as, vicinity map and USGS quadrangle map.*
- *Datum used for this project. Provide conversion if appropriate.*

SECTION 3.0 – DATA COLLECTION

- *List sources of information.*

SECTION 4.0 – DESIGN CRITERIA

- *Describe all permits (state, local, etc.) needed to construct this project.*
- *Describe water quality and quantity criteria applicable to this project.*
- *Summarize drainage criteria specific to this project, including special basin criteria and TMDL requirements.*

SECTION 5.0 – EXISTING & PROPOSED CONDITIONS

5.1 Existing Drainage Conditions.

- *General drainage patterns of the vicinity of the project.*
- *Address offsite areas draining towards the Turnpike R/W.*
- *Review KMZ file containing Drainage Connection Permits for projects that discharge to the project's right-of-way.*
- *Describe if project is in open or closed basins.*
- *Brief description of receiving water bodies and their classification (OFW, etc).*
- *Brief description of number of drainage basins with their respective outfalls.*
- *Existing stormwater management system.*

For each basin include the following:

- *Basin name.*
- *Begin and end stationing.*
- *Existing drainage patterns.*
- *Ultimate outfall location.*
- *Identify offsite areas draining towards the road and how offsite runoff is currently conveyed through the project.*
- *Existing and provided water quality, if applicable.*
- *Previous permit information.*
- *Existing stormwater management system.*

5.2 Proposed Drainage Conditions.

- *Brief description of number of drainage basins with their respective outfall.*
- *Recommended stormwater management system.*

For each basin include:

- *Basin name.*
- *Begin and end stationing.*
- *Proposed drainage patterns (ditches, swales, etc.).*
- *Ultimate outfall point and approximate tailwater elevation..*
- *Identify offsite areas draining towards the road and describe how it is to be conveyed through the project.*
- *Required and provided water quality.*
- *Recommended stormwater management system.*
- *If compensating or over treatment to be used, provide detailed description of area of new impervious not being treated, area of existing pavement to be treated, etc.*
- *Approximate low edge of pavement and bottom of base elevation.*
- *Soil types (suggest including Soils Map with pond alternatives identified)*

SECTION 6.0 – FLOODPLAIN & WETLAND INFORMATION

- ❑ *Describe if the project impacts adjacent floodplain areas. If so, quantify and describe how it is being mitigated.*
- ❑ *Include FEMA map with pond alternatives identified*
- ❑ *For projects located within SWFWMD jurisdiction, please obtain the WMD floodplain models, if available, to determine whether the project impacts SWFWMD identified floodplain areas..*
- ❑ *Include tables as necessary.*
- ❑ *Statement describing how impacts have been avoided or minimized.*
- ❑ *Describe where compensation is to occur.*
- ❑ *Include wetland limit map with pond alternatives identified.*

SECTION 7.0 – STORMWATER PONDS

- ❑ *Pond Sizing and Location Considerations*
 - *Identify all FDOT-owned parcels along the project corridor*
 - *Identify potential for joint-use ponds*
- ❑ *Analysis Performed*
- ❑ *Seasonal High Water Levels*
- ❑ *Treatment and Attenuation Volumes*

SECTION 8.0 – RESULTS

- ❑ *Brief description of results.*
- ❑ *Pond site evaluation should include:*
 - *Pond site/Stormwater Alternative name*
 - *Pond site/Stormwater Alternative location*
 - *Pond size required at tie down locations*
 - *Parcel(s) required for acquisition*
 - *Total cost of each alternative, including wetland impacts (Special Estimates provided by FDOT Right-of-Way personnel are NOT to be included in the PSR)*
 - *FEMA flood zone*
 - *Wetland impacts*
 - *Habitat impacts*
 - *Other environmental impacts*
 - *Archaeological impacts*
 - *Historic site impacts*
 - *Social impacts*
 - *Utility conflicts*
 - *Current land use zoning*
 - *Future land use zoning*
 - *Recommendations/Rankings*

SECTION 9.0 – CONCLUSIONS

- *Brief description of the recommended pond sites.*

SECTION 10.0 – REFERENCES

APPENDICES

Appendix A – Drainage Maps (Pre and post development)

Appendix B – Pre-Development Calculations

Appendix C – Post- Development Calculations

Appendix D - Floodplain Encroachment Calculations

Appendix E - Pond Site Evaluation Matrices

Appendix F – Correspondence and Excerpts from Previous Permits and Studies

	Alternate 1		Alternate 2		Alternate 3	
Description of Alternate ►						
	Comments	Cost	Comments	Cost	Comments	Cost
Right-of way						
Construction						
Hazardous Materials						
Utilities						
*TES Species/Wetland/Surface Waters						
Maintenance						
Cultural Resources						
Public Opinion						
Aesthetics						
Other						
Total Cost						
Comments, Advantages, Disadvantages, etc.						

*TES = Threatened, Endangered, or Significant