

### Attachment D – Major Development Stormwater Summary

#### General Information

1. Project Name: 1980 US HWY 1, LLC			
2. Municipality: North Brunswick	County: Middlesex County	Block(s): 148	Lot(s): 34, 35.01 & 36
3. Site Location (State Plane Coordinates – NAD83): E:		N:	
4. Date of Final Approval for Construction by Municipality: Date of Certificate of Occupancy:			
5. Project Type (check all that apply): Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Other (please specify) _____			
6. Soil Conservation District Project Number: 2021-0638			
7. Did project require an NJDEP Land Use Permit? Yes <input checked="" type="radio"/> No <input type="radio"/> Land Use Permit #:			
8. Did project require the use of any mitigation measures? Yes <input type="radio"/> No <input checked="" type="radio"/> If yes, which standard was mitigated? _____			

#### Site Design Specifications

1. Area of Disturbance (acres): 10.988		Area of Proposed Impervious (acres): 9.162	
2. List all Hydrologic Soil Groups: UR (D), LbuB (C), FavAr (D), and NktB (C)			
3. Please Identify the Amount of Each Best Management Practices (BMPs) Utilized in Design Below:			
Bioretention Systems <u>1</u>	Constructed Wetlands _____	Dry Wells _____	Extended Detention Basins _____
Infiltration Basins _____	Combination Infiltration/Detention Basins _____	Manufactured Treatment Devices <u>2</u>	
Pervious Paving Systems <u>4</u>	Sand Filters _____	Vegetative Filter Strips _____	Wet Ponds _____
Grass Swales _____	Subsurface Gravel Wetlands _____	Other _____	

#### Storm Event Information

Storm Event - Rainfall (inches and duration):	2 yr.: <u>24 hour 3.35"</u>	10 yr.: <u>24 hour 5.12"</u>
	100 yr.: <u>24 hour 8.63"</u>	WQDS: <u>2 hour 1.25"</u>
Runoff Computation Method:		
NRCS: Dimensionless Unit Hydrograph <input type="checkbox"/>	NRCS: Delmarva Unit Hydrograph <input type="checkbox"/>	Rational <input type="checkbox"/> Modified Rational <input checked="" type="checkbox"/>
Other: _____		

#### Basin Specifications (answer all that apply)

\*If more than one basin, attach multiple sheets\*

1. Type of Basin:	Surface/Subsurface (select one): Surface <input type="radio"/> Subsurface <input type="radio"/>		
2. Owner (select one):	<input type="radio"/> Public	<input type="radio"/> Private: If so, Name:	Phone number:
3. Basin Construction Completion Date:			
4. Drain Down Time (hr.):			
5. Design Soil Permeability (in./hr.):			
6. Seasonal High Water Table Depth from Bottom of Basin (ft.):		Date Obtained:	
7. Groundwater Recharge Methodology (select one): 2 Year Difference <input type="radio"/> NJGRS <input type="radio"/> Other <input type="radio"/> NA <input type="radio"/>			
8. Groundwater Mounding Analysis (select one): Yes <input type="radio"/> No <input type="radio"/> If, Yes Methodology Used:			
9. Maintenance Plan Submitted: Yes <input type="radio"/> No <input type="radio"/> Is the Basin Deed Restricted: Yes <input type="radio"/> No <input type="radio"/>			

Comments:

Name of Person Filling Out This Form: Anthony Rotondo

Signature: 

Title: Senior Design Engineer

Date: 11/08/2021

2/2/2018

**Basin Specifications (answer all that apply)**

\*If more than one basin, attach multiple sheets\*

1. Type of Basin: Bioretention	Surface/Subsurface (select one): Surface <input checked="" type="radio"/> Subsurface <input type="radio"/>
2. Owner (select one): <input type="radio"/> Public <input checked="" type="radio"/> Private: If so, Name: 1980 US HWY, LLC Phone number: 515-235-1727	
3. Basin Construction Completion Date: Not constructed	
4. Drain Down Time (hr.): 19 Hours	
5. Design Soil Permeability (in./hr.): 2.00 in bioretention media	
6. Seasonal High Water Table Depth from Bottom of Basin (ft.): 2.25 Date Obtained: 5/21/2021	
7. Groundwater Recharge Methodology (select one): 2 Year Difference <input type="radio"/> NJGRS <input type="radio"/> Other <input type="radio"/> NA <input checked="" type="radio"/>	
8. Groundwater Mounding Analysis (select one): Yes <input type="radio"/> No <input checked="" type="radio"/> If, Yes Methodology Used:	
9. Maintenance Plan Submitted: Yes <input checked="" type="radio"/> No <input type="radio"/> Is the Basin Deed Restricted: Yes <input type="radio"/> No <input checked="" type="radio"/>	

**Basin Specifications (answer all that apply)**

\*If more than one basin, attach multiple sheets\*

1. Type of Basin: Porous Pavement 1	Surface/Subsurface (select one): Surface <input type="radio"/> Subsurface <input checked="" type="radio"/>
2. Owner (select one): <input type="radio"/> Public <input checked="" type="radio"/> Private: If so, Name: 1980 US HWY, LLC Phone number: 515-235-1727	
3. Basin Construction Completion Date: Not Constructed	
4. Drain Down Time (hr.): 50.70 Hours	
5. Design Soil Permeability (in./hr.): 0 (underdrains proposed)	
6. Seasonal High Water Table Depth from Bottom of Basin (ft.): 1.37 Date Obtained: 5/21/21	
7. Groundwater Recharge Methodology (select one): 2 Year Difference <input type="radio"/> NJGRS <input type="radio"/> Other <input type="radio"/> NA <input checked="" type="radio"/>	
8. Groundwater Mounding Analysis (select one): Yes <input type="radio"/> No <input checked="" type="radio"/> If, Yes Methodology Used:	
9. Maintenance Plan Submitted: Yes <input checked="" type="radio"/> No <input type="radio"/> Is the Basin Deed Restricted: Yes <input type="radio"/> No <input checked="" type="radio"/>	

**Basin Specifications (answer all that apply)**

\*If more than one basin, attach multiple sheets\*

1. Type of Basin: Porous Pavement 2	Surface/Subsurface (select one): Surface <input type="radio"/> Subsurface <input checked="" type="radio"/>
2. Owner (select one): <input type="radio"/> Public <input checked="" type="radio"/> Private: If so, Name: 1980 US HWY, LLC Phone number: 515-235-1727	
3. Basin Construction Completion Date: Not Constructed	
4. Drain Down Time (hr.): 32.10	
5. Design Soil Permeability (in./hr.): 0 (underdrains proposed)	
6. Seasonal High Water Table Depth from Bottom of Basin (ft.): 1.00 Date Obtained: 5/21/21	
7. Groundwater Recharge Methodology (select one): 2 Year Difference <input type="radio"/> NJGRS <input type="radio"/> Other <input type="radio"/> NA <input checked="" type="radio"/>	
8. Groundwater Mounding Analysis (select one): Yes <input type="radio"/> No <input checked="" type="radio"/> If, Yes Methodology Used:	
9. Maintenance Plan Submitted: Yes <input checked="" type="radio"/> No <input type="radio"/> Is the Basin Deed Restricted: Yes <input type="radio"/> No <input checked="" type="radio"/>	

Name of Person Filling Out This Form: Anthony Rotondo

Signature: 

Title: Senior Design Engineer

Date: 11/08/2021

**Basin Specifications (answer all that apply)**

\*If more than one basin, attach multiple sheets\*

1. Type of Basin: Porous Pavement 3	Surface/Subsurface (select one): Surface <input type="radio"/> Subsurface <input checked="" type="radio"/>
2. Owner (select one): <input type="radio"/> Public <input checked="" type="radio"/> Private: If so, Name: 1980 US HWY, LLC	Phone number: 515-235-1727
3. Basin Construction Completion Date: Not constructed	
4. Drain Down Time (hr.): 50.70 Hours	
5. Design Soil Permeability (in./hr.): 0 (underdrains proposed)	
6. Seasonal High Water Table Depth from Bottom of Basin (ft.): 2.25 Date Obtained: 5/21/2021	
7. Groundwater Recharge Methodology (select one): 2 Year Difference <input type="radio"/> NJGRS <input type="radio"/> Other <input type="radio"/> NA <input checked="" type="radio"/>	
8. Groundwater Mounding Analysis (select one): Yes <input type="radio"/> No <input checked="" type="radio"/> If, Yes Methodology Used:	
9. Maintenance Plan Submitted: Yes <input checked="" type="radio"/> No <input type="radio"/> Is the Basin Deed Restricted: Yes <input type="radio"/> No <input checked="" type="radio"/>	

**Basin Specifications (answer all that apply)**

\*If more than one basin, attach multiple sheets\*

1. Type of Basin: Porous Pavement 4	Surface/Subsurface (select one): Surface <input type="radio"/> Subsurface <input checked="" type="radio"/>
2. Owner (select one): <input type="radio"/> Public <input checked="" type="radio"/> Private: If so, Name: 1980 US HWY, LLC	Phone number: 515-235-1727
3. Basin Construction Completion Date: Not Constructed	
4. Drain Down Time (hr.): 44.65 Hours	
5. Design Soil Permeability (in./hr.): 0 (underdrains proposed)	
6. Seasonal High Water Table Depth from Bottom of Basin (ft.): 1.50 Date Obtained: 5/21/21	
7. Groundwater Recharge Methodology (select one): 2 Year Difference <input type="radio"/> NJGRS <input type="radio"/> Other <input type="radio"/> NA <input checked="" type="radio"/>	
8. Groundwater Mounding Analysis (select one): Yes <input type="radio"/> No <input checked="" type="radio"/> If, Yes Methodology Used:	
9. Maintenance Plan Submitted: Yes <input checked="" type="radio"/> No <input type="radio"/> Is the Basin Deed Restricted: Yes <input type="radio"/> No <input checked="" type="radio"/>	

**Basin Specifications (answer all that apply)**

\*If more than one basin, attach multiple sheets\*

1. Type of Basin:	Surface/Subsurface (select one): Surface <input type="radio"/> Subsurface <input checked="" type="radio"/>
2. Owner (select one): <input type="radio"/> Public <input checked="" type="radio"/> Private: If so, Name:	Phone number:
3. Basin Construction Completion Date:	
4. Drain Down Time (hr.):	
5. Design Soil Permeability (in./hr.):	
6. Seasonal High Water Table Depth from Bottom of Basin (ft.): Date Obtained:	
7. Groundwater Recharge Methodology (select one): 2 Year Difference <input type="radio"/> NJGRS <input type="radio"/> Other <input type="radio"/> NA <input checked="" type="radio"/>	
8. Groundwater Mounding Analysis (select one): Yes <input type="radio"/> No <input checked="" type="radio"/> If, Yes Methodology Used:	
9. Maintenance Plan Submitted: Yes <input checked="" type="radio"/> No <input type="radio"/> Is the Basin Deed Restricted: Yes <input type="radio"/> No <input checked="" type="radio"/>	

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