



NOTES:

1. TOTAL PAVED AREA = 489,881 SQ. FT. (11.25 ACRES)
TARGET REDUCTION AREA = 97,976 SQ. FT. (2.25 ACRES)
NEW PAVEMENT AREA = 391,905 SQ. FT. (9 ACRES)

2. DEPTHS FOR EACH AREA:
AREA 1 = 3 FT.
AREA 2 = 2 FT.
AREA 3 = 2 FT.
AREA 4 = 3 FT.
AREA 5 = 3 FT.
AREA 6 = 3 FT.

3. EACH BASIN HAS TWO LINES, THE OUTER MOST INDICATES THE BOUNDARY OF THE BASIN AND THE INNER MOST LINE INDICATES THE AREA OF THE BASE OF THE BASIN.

4. THE SURFACE IMMEDIATELY SURROUNDING THE ISLAND BASINS SHOULD BE DEPRESSED TO ENCOURAGE STORMWATER TO ENTER THE BASIN.

TOTAL DRAINAGE FOR HIGHLIGHTED AREAS:

AREA 1 = 55,381 CUBIC FT.
AREA 2 = 3,225 CUBIC FT. (8 ISLANDS)
403 CUBIC FT. (INDIVIDUAL ISLAND)
AREA 3 = 3,961 CUBIC FT. (19 ISLANDS)
208 CUBIC FT. (INDIVIDUAL ISLAND)
AREA 4 = 20,266 CUBIC FT.
AREA 5 = 7,284 CUBIC FT.
AREA 6 = 2,118 CUBIC FT.

TOTAL = 92,234 CUBIC FT.

TOTAL SURFACE DISCONNECTED FOR HIGHLIGHTED AREAS:

AREA 1 = 189,877 SQ. FT.
AREA 2 = 8,860 SQ. FT. (8 ISLANDS)
1,108 SQ. FT. (INDIVIDUAL ISLAND)
AREA 3 = 10,169 SQ. FT. (19 ISLANDS)
536 SQ. FT. (INDIVIDUAL ISLAND)
AREA 4 = 61,348 SQ. FT.
AREA 5 = 19,769 SQ. FT.
AREA 6 = 5,848 SQ. FT.

TOTAL = 295,871 SQ. FT.

A POTENTIAL OF 60% DISCONNECTION OF PAVEMENT

A POTENTIAL OF 42% DISCONNECTION OF IMPERVIOUS SURFACE (PAVEMENT AND ROOFTOPS)

HYDROGRAPH RESULTS FOR 2 YEAR STORM

AREA	VOLUME(ACRE-FT.)	PEAK(CFS)	VOLUME DIFFERENCE
EXISTING PAVEMENT	3.06	33.61	
20% DISCONNECTED PAVEMENT	2.45	26.89	0.61
60% DISCONNECTED PAVEMENT	1.21	13.32	1.85
EXISTING TOTAL IMPERVIOUS	4.36	47.86	
42% DISCONNECTED IMPERVIOUS	2.51	27.57	1.85

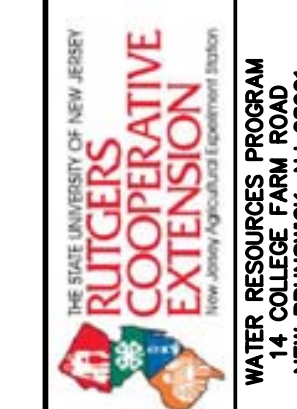
LEGEND

BASIN DRAINAGE AREA 
DRAINAGE BASIN BOUNDARIES 

MILESTONE 4 OF REGIONAL STORMWATER MANAGEMENT PLAN FOR THE
TROY BROOK
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
RT 202 / RT 46 SHOPPING CENTER
20% DISCONNECTION EXAMPLE FOR ORDINANCE

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DRAWN DESIGNED APPROVED DATE
SPW SPW CCO



JOB SHEET #
E2
BO TOTAL