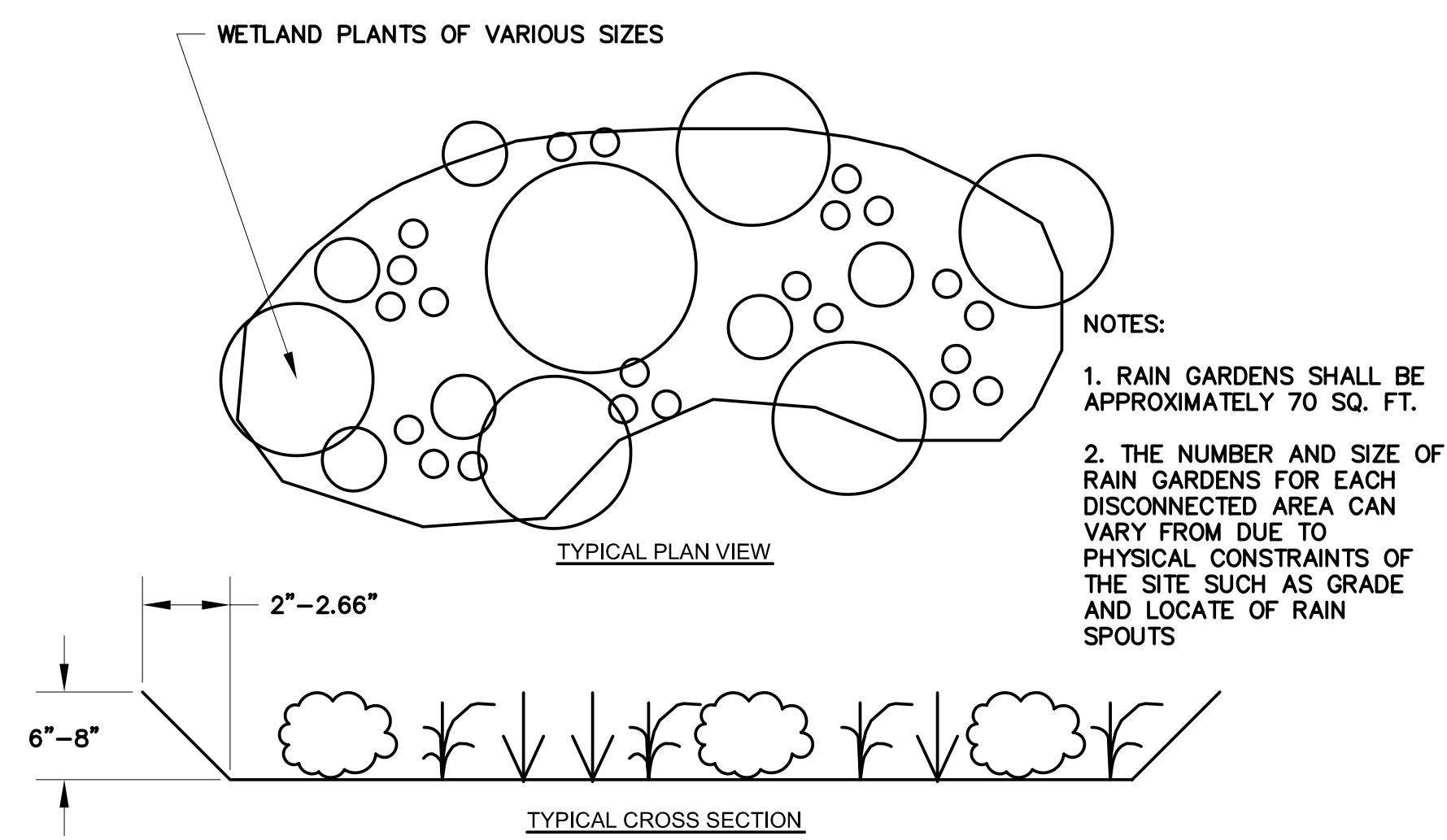
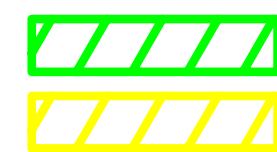


NOTES:

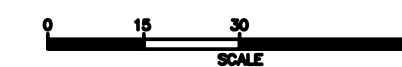
1. THE PROPOSED RAIN GARDEN IS DESIGNED TO TREAT AND INFILTRATE THE STORMWATER RUNOFF FROM THE NORTHERN HALF OF THE WACHOVIA PARKING LOT AS INDICATED ON THE PLAN.
2. THE PROPOSED RAIN GARDEN IS DESIGNED TO MEET THE VOLUME OF THE NEW JERSEY WATER QUALITY STORMWATER WHICH IS 1.25" IN 2 HOURS. THE NJ WATER QUALITY STORM PRODUCES 0.036 AC-FT OF WATER FROM THE INDICATED AREA.
3. NEW JERSEY AVERAGES 42 INCHES OF RAIN A YEAR. 90% OF ALL RAIN EVENTS IN NEW JERSEY ARE EQUAL TO OR LESS THAN THE NJ QUALITY STORM. THIS RAIN GARDEN SHOULD INFILTRATE APPROXIMATELY 7.824 AC-FT PER YEAR OR 2.55 MILLION GALLONS PER YEAR.
4. THIS RAIN GARDEN WILL NOT ONLY INFILTRATE THE WATER IT WILL REMOVE NITROGEN, PHOSPHORUS AND TOTAL SUSPENDED SOLIDS FROM THE STORMWATER RUNOFF. ON AN ANNUAL BASIS, THIS RAIN GARDEN WILL REMOVE 0.46 LBS OF PHOSPHORUS, 2.43 LBS OF NITROGEN, 66.22 LBS OF TOTAL SUSPENDED SOLIDS.

LEGEND

PARKING LOT OF INTEREST
PROPOSED RAIN GARDEN

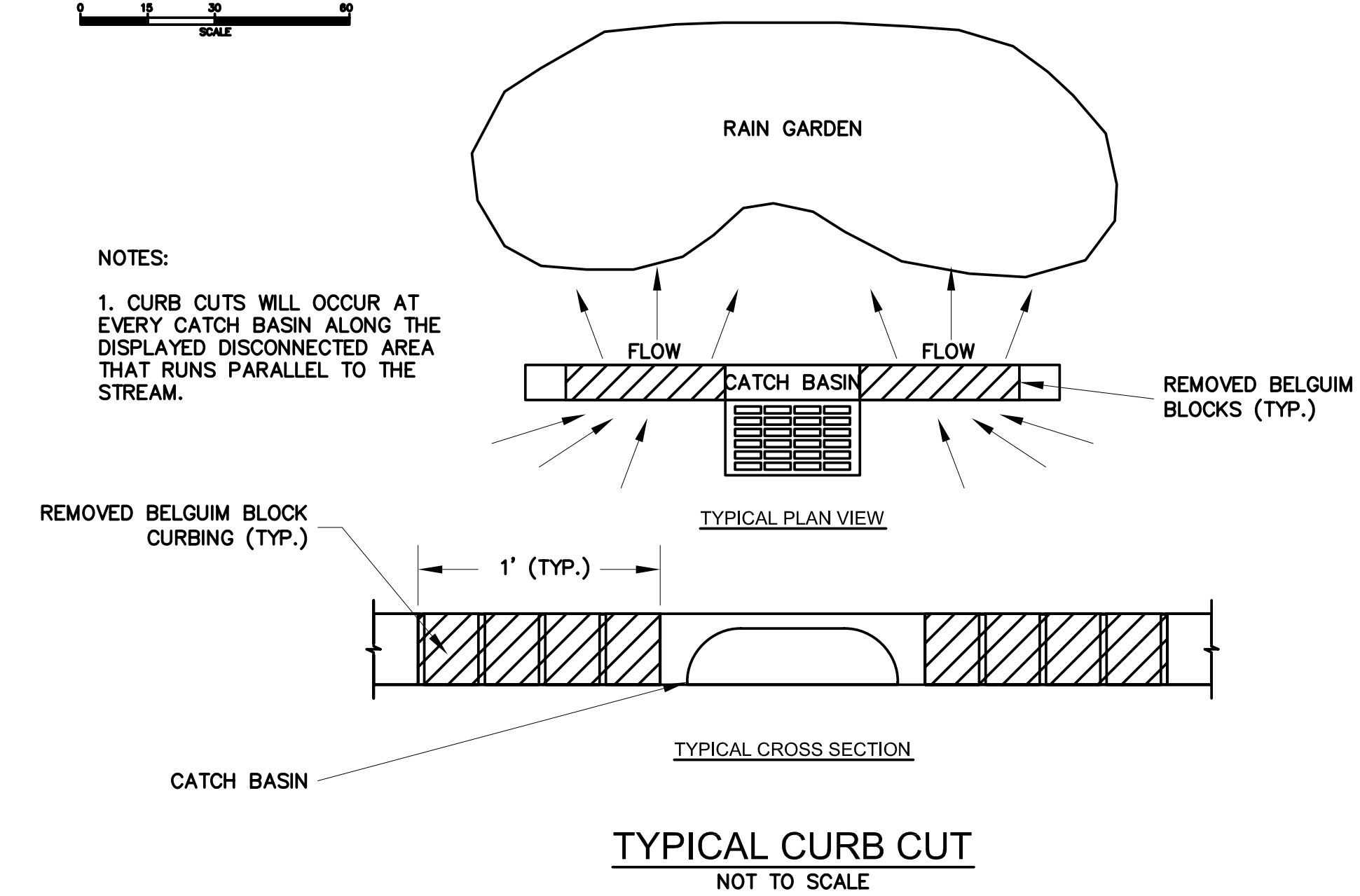


RAIN GARDEN SCHEMATIC
NOT TO SCALE



NOTES:

1. CURB CUTS WILL OCCUR AT EVERY CATCH BASIN ALONG THE DISPLAYED DISCONNECTED AREA THAT RUNS PARALLEL TO THE STREAM.



CHRISTOPHER C. OBROPTA, Ph.D., P.E.
PROFESSIONAL ENGINEER - NJ LICENSE # 37632

DESIGNED BY: SPW CCO
CHECKED BY: CCO
APPROVED BY: CCO

MILESTONE 4 OF REGIONAL STORMWATER MANAGEMENT PLAN FOR THE
POMPESTON CREEK
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
WACHOVIA PARKING LOT, CINNAMINSON, NJ
RETROFIT PARKING LOT



JOB	CONCEPT SHEET #
POMP	1
BID	TOTAL
1	12

DRAFT

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