METZGER HALL IS A DORMITORY ON THE RUTGERS BUSCH CAMPUS IN PISCATAWAY, NJ. THE PART OF THE SITE INCLUDED IN THE PROJECT CURRENTLY USES HARDSCAPE FEATURES SUCH AS DRAINS, GRAVEL, RIVER ROCK, AND WALLS TO MANAGE THE STORM WATER. THERE IS A DESIRE PATH CUTTING THROUGH THE SITE, AND MOST OF THE SOIL IS HIGHLY COMPACTED.

THE SITE IS ON THE NORTH SIDE OF THE BUILDING, CAUSING THE SITE TO BE QUITE SHADY. THIS CREATES THE ADDITIONAL CHALLENGE OF FINDING PLANTS THAT ARE TOLERANT OF BOTH RAIN GARDEN CONDITIONS AND SHADY SITES. LUCKILY THE BUSCH CAMPUS RAIN GARDEN IS NEARBY. WHILE LARGER, THAT GARDEN HAS SIMILAR CONDITIONS TO THIS SITE, ESPECIALLY IN REGARDS TO SUNLIGHT.

THE SITE IS BORDERED ON THREE SIDES BY IMPERMEABLE SURFACES: A ROAD, A PARKING LOT, AND A BUILDING. WHILE THESE SURFACES DO NOT INFILTRATE WATER, MOST OF THESE ALSO DO NOT MANAGE ALL THE WATER DRAINING ONTO IT WITHOUT THE SYSTEM BECOMING OVERWHELMED.

RESEARCH INDICATES THAT THE MOST EFFECTIVE WAVES TO MANAGE STORM WATER ARE RAIN GARDENS AND BIO-SWALES. THE UNIVERSITY IS RECOMMENDED TO CONSIDER THE USE OF A RAIN GARDEN AT THIS SITE TO MANAGE STORM WATER ON THE SITE.

A RAIN GARDEN WILL BE CONSTRUCTED AT THIS LOCATION TO HELP FURTHER THE GOALS OF RUTGERS UNIVERSITY, TO HELP MANAGE STORM WATER ON THE SITE, AND TO ENHANCE THE EXPERIENCE. RAIN GARDEN DESIGN GUIDELINES SHOULD BE FOLLOWED TO ENSURE THE PROPER FUNCTIONALITY OF THE RAIN GARDEN.

PLANTING PLANS

SOURCE: ERNST SEED

MIX COMPOSITION
31.7% SCHIZACHYRUM SCOPARUM
20.0% ELYMUS RIPARIUS
10.0% CAREX VULPINODA
10.0% PANKUM RIGIDULUM

4.0% EOHNACEA PURPUREA
3.0% COREOPSIS LANCOLATA
3.0% RUDBECKIA HIRTA
2.0% AGROSTIS PERENNANS
2.0% CAREX SCOPARIA
2.0% CHAMAECRISTA FASCICULATA
2.0% EUPATORIUM COLESTINUM
2.0% LIATRIS SPICATA

1.0% ASCLEPIAS INCARINATA
1.0% ASTER LAEVIS
1.0% ASTER NOVAE-ANGLIAE
1.0% JUNCUS EFFUSUS
1.0% JUNCUS TENUIS
1.0% PENSTEMON DIGITALIS
0.5% BAPTISIA AUSTRALIS
0.5% MONARDA PISTULOSA
0.5% RUDBECKIA FULGIDA VAR. FULGIDA
0.5% SENA HEBECAFFA
0.3% SOLIDAGO JUNCEA

PLANTING SCHEDULE

CREEPING RED FESCUE MIX: FESRUB-01
SOURCE: ERNST SEED

MIX COMPOSITION
100% FESTUCA RUBRA

PLANTING SCHEDULE

CATALOGUE # 1000 SF

CREEPING RED FESCUE MIX: FESRUB-01
SOURCE: ERNST SEED

MIX COMPOSITION
100% FESTUCA RUBRA

PLANTING SCHEDULE

CREEPING RED FESCUE MIX: FESRUB-01
SOURCE: ERNST SEED

MIX COMPOSITION
100% FESTUCA RUBRA

PLANTING SCHEDULE

CREEPING RED FESCUE MIX: FESRUB-01
SOURCE: ERNST SEED

MIX COMPOSITION
100% FESTUCA RUBRA

PLANTING SCHEDULE

CREEPING RED FESCUE MIX: FESRUB-01
SOURCE: ERNST SEED

MIX COMPOSITION
100% FESTUCA RUBRA

PLANTING SCHEDULE

CREEPING RED FESCUE MIX: FESRUB-01
SOURCE: ERNST SEED

MIX COMPOSITION
100% FESTUCA RUBRA

PLANTING SCHEDULE

CREEPING RED FESCUE MIX: FESRUB-01
SOURCE: ERNST SEED

MIX COMPOSITION
100% FESTUCA RUBRA

PLANTING SCHEDULE

CREEPING RED FESCUE MIX: FESRUB-01
SOURCE: ERNST SEED

MIX COMPOSITION
100% FESTUCA RUBRA

PLANTING SCHEDULE

CREEPING RED FESCUE MIX: FESRUB-01
SOURCE: ERNST SEED

MIX COMPOSITION
100% FESTUCA RUBRA

PLANTING SCHEDULE