NOT TO SCALE

SILVA CELL SYSTEM + PERMEABLE PAVEMENT

KEY PLAN
0. PRETREATMENT, AS REQUIRED, BY OTHERS
1. STORMWATER ENTERS THE SILVA CELL SYSTEM THROUGH A PERMEABLE PAVEMENT SYSTEM
2. WATER MOVES THROUGH THE PLANTING SOIL HOUSED WITHIN THE SILVA CELL SYSTEM
3. EXCESS WATER IS COLLECTED IN A PERFORATED DRAIN PIPE AND IS DIRECTED TOWARD A DOWNSTREAM CATCH BASIN
4. CLEANOUT
5. WATER COLLECTED IN THE COLLECTION PIPE IS DIRECTED TO THE MUNICIPAL STORM SYSTEM

SILVA CELL SYSTEM + PERMEABLE PAVEMENT

KEY PLAN
A. SILVA CELL SYSTEM (DECK, BASE, AND POSTS)
B. PERMEABLE PAVEMENT
C. AGGREGATE STORAGE LAYER
D. OPTIONAL PONDING SPACE
E. COLLECTION PIPE
F. CLEANOUT
G. CONNECTION TO MUNICIPAL STORM SYSTEM
DIRECTION OF WATER FLOW
KEY PLAN

A. SILVA CELL SYSTEM (DECK, BASE, AND POSTS)
B. PERMEABLE PAVEMENT
C. AGGREGATE STORAGE LAYER
D. OPTIONAL PONDING SPACE
E. COLLECTION PIPE
F. CONNECTION TO MUNICIPAL STORM SYSTEM

DIRECTION OF WATER FLOW
KEY PLAN

0. Pretreatment, as required, by others
1. Stormwater enters the Silva Cell System through a trench drain system
2. Water is distributed through the Silva Cell System through perforated pipes
3. Water moves through the planting soil housed within the Silva Cell System
4. Excess water is collected in a perforated drain pipe and is directed toward a downstream catch basin
5. Cleanout
6. Water collected in the collection pipe is directed to the municipal storm system

SILVA CELL SYSTEM + TRENCH DRAIN

KEY PLAN
A. Silva Cell System (Deck, Base, and Posts)
B. Trench Drain
C. Optional Ponding Space
D. Distribution Pipe
E. Collection Pipe
F. Connection to Municipal Storm System

DIRECTION OF WATER FLOW
SILVA CELL SYSTEM + TRENCH DRAIN

KEY PLAN
A  SILVA CELL SYSTEM (DECK, BASE, AND POSTS)
B  TRENCH DRAIN
C  OPTIONAL PONDING SPACE
D  DISTRIBUTION PIPE
E  COLLECTION PIPE
F  CONNECTION TO MUNICIPAL STORM SYSTEM

DIRECTION OF WATER FLOW

NOT TO SCALE
**KEY PLAN**

0. PRETREATMENT, AS REQUIRED, BY OTHERS. OUTLET OF PRETREATMENT BECOMES THE INLET TO THE SILVA CELL SYSTEM
1. STORMWATER ENTERS THE SILVA CELL SYSTEM THROUGH A CATCH BASIN
2. WATER IS DISTRIBUTED THROUGH THE SILVA CELL SYSTEM THROUGH PERFORATED PIPES
3. WATER THEN MOVES THROUGH THE PLANTING SOIL HOUSED WITHIN THE SILVA CELL SYSTEM
4. EXCESS WATER IS COLLECTED IN A PERFORATED DRAIN PIPE AND IS DIRECTED TOWARD A DOWNSTREAM CATCH BASIN
5. CLEANOUT
6. WATER COLLECTED IN THE COLLECTION PIPE IS DIRECTED TO THE MUNICIPAL STORM SYSTEM
NOT TO SCALE

SILVA CELL SYSTEM + CATCH BASIN

KEY PLAN
A. SILVA CELL SYSTEM (DECK, BASE, AND POSTS)
B. CATCH BASIN
C. OPTIONAL PONDING SPACE
D. DISTRIBUTION PIPE
E. COLLECTION PIPE
F. CONNECTION TO MUNICIPAL STORM SYSTEM

DIRECTION OF WATER FLOW

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