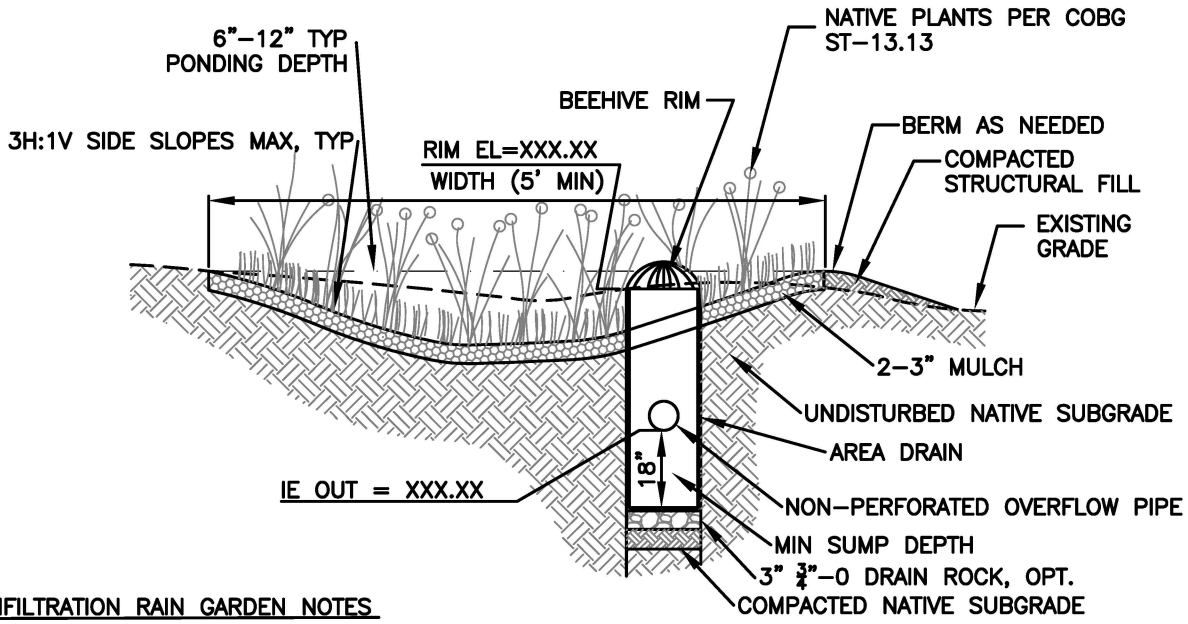


INFILTRATION RAIN GARDEN NOTES

DESIGN NOTES:

1. PLANT PER COBG ST–13.13. NATIVE PLANTS ARE PREFERRED. NON–NATIVE AND INVASIVE SPECIES CAN REPRODUCE DOWNSTREAM DAMAGING HABITAT AND CHANGING HYDROLOGY. IF NON–NATIVES ARE CHOSEN, BE SURE THAT THEY WILL NOT DAMAGE DOWNSTREAM HABITAT.

CONSTRUCTION NOTES:

2. BUILD AND VEGETATE RAIN GARDEN AS EARLY AS POSSIBLE TO ESTABLISH PLANTINGS BEFORE DIRECTING STORMWATER RUNOFF TO IT, OR DIVERT STORMWATER AROUND FACILITY. PREFERABLY, THIS PERIOD WOULD LAST A MINIMUM OF 3 MONTHS OR PER LANDSCAPE ARCHITECT/DESIGNER GUIDELINES.
3. INFILTRATION AREAS (THE AREA OF THE RAIN GARDEN AS DEFINED BY THE TOP ELEVATION OF THE FACILITY) SHALL BE FENCED OFF FROM INITIAL EXCAVATION UNTIL PROJECT COMPLETION TO PREVENT COMPACTION OF THE SUBGRADE, DIRT TRACKING ONTO ANY LAYER OF THE FACILITY AND STOCKPILING OF CONSTRUCTION MATERIALS THAT MAY CLOG THE SURFACE.
4. DURING EXCAVATION OF NATIVE SOILS TO THE BOTTOM OF THE FACILITY, RAINFALL MAY CAUSE FINES TO CLOG THE SURFACE OF THE FACILITY. IF THE NATIVE SOIL HAS BEEN EXPOSED TO RAINFALL, HAND RAKE THE SURFACE TO A DEPTH OF 3" TO RESTORE INFILTRATION CAPACITY.
5. NOTIFY INSPECTOR 24 HOURS IN ADVANCE OF CONSTRUCTING THIS FACILITY.
6. DURING AREA DRAIN INSTALLATION, DISTURB NATIVE SOILS AS LITTLE AS POSSIBLE.

	PONDING DEPTH	SOIL DRAINAGE RATES				
		0.01–0.24 IN/HR	0.25–0.49 IN/HR	0.50–0.99 IN/HR	1.00–2.49 IN/HR	2.50+ IN/HR
GOOD	6"–12"	19%	12%	10%	7%	6%
BETTER	6"–12"	29%	18%	14%	11%	8%
BEST	6"	54%	43%	34%	27%	18%
	12"	NA	36%	31%	25%	17%

NOTE:

SIZE THE TOP SURFACE OF THE PONDING AREA FOR THE RAIN GARDEN BY MULTIPLYING THE CONTRIBUTING AREA BY THE ABOVE PERCENTAGES.

N.T.S.

INFILTRATION RAIN GARDEN

STANDARD DETAIL

CITY OF BATTLE GROUND
APPROVED

Mark Henrey 06/11/2018

CITY ENGINEER DATE

REVISIONS:	DATE:	DRAWN:	DESIGNED:
1	01/23/17	KDU	KDU
2	02/09/17	CAS	KDU

ST–13.02