Berwyn Park District
Proksa Park "Waterfall Feature" and Bio-Filter Section
12-16-2016

Fountain Waterfall Feature

LINER TUCKED UNDER INTO SOIL
DRAINAGE MODULES IN SAND LAYER
2" TO 3" WASHED RIVER STONE
1/2" - 1" WASHED RIVER STONE
2/3" WASHED STONE
AQUABOX WATER MATRIX
SPECIFIED AQUATIC PLANTING SOIL MIX

POND BOTTOM SECTION
LINER TUCKED INTO SOIL
THOROUGHLY COMPACTED SUBGRADE
REINFORCED CONCRETE SLAB WITH 4" PIERS TO BUILD FOUNTAIN UPON
SUBMERSIBLE PUMP FOR WATERFALL
POND BOTTOM WILL BE FULLY COMPACTED PRIOR TO INSTALLATION OF LINER AND REVIEWED BY OWNER'S REPRESENTATIVE. 3" OF WASHED RIVER STONE WILL COVER THE POND LINER AND POND BOTTOM WITH A MIXTURE OF 30% MEDIUM BOULDERS AND 40% SMALL BOULDERS TO CREATE THE POND BOTTOM APPEARANCE.

DESIGN NOTES:
FOUNTAIN WILL BE CONSTRUCTED WITH NATURAL STONE LAIN IN PLACE AT THE DIRECTION OF THE PROJECT LANDSCAPE ARCHITECT. PUMP WILL BE ACCESSIBLE VIA RAIL AND PULLEY LIFT TO RAISE IT OUT OF WATERFALL FOR MAINTENANCE AND END OF SEASON.

POND AND FOUNTAIN SECTION

BIO-FILTER SECTION:

Fountain Waterfall Feature

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Berwyn Park District
Proksa Park Deck/Bridge at East Pond
12 - 16 - 2016

1' DIA FOOTING 4' DEEP WITH POST ANCHOR FOR 4" X 4" SUPPORT POST

2" X 8" SUPPORT JOIST WITH TECO JOIST HANGERS ATTACHED AT 1'-0" O.C.

1" X 10" COMPOSITE FASCIA BOARD COLORED TO MATCH RAILING- WRAP THE DECK

2" X 8" SUPPORT JOIST ATTACHED WITH TECO JOIST HANGERS

CONCRETE CURB DEFINED STREAM BED EDGE UNDER DECK, SEE CONCRETE CURB SECTION

COMPOSITE HANDRAIL WITH BLACK METAL SUPPORT RAILS, SEE SECTION/DETAIL

COMPOSITE 1" x 6" DECKING COVERING JOISTS WITH BUILT IN SEATING ON HALF OF DECK AS SHOWN
Berwyn Park District
Proksa Park Stream Sections
12 - 16 - 2016

STREAM WATERFALL OVERFLOW AREAS
WATERWAY EDGE BOULDERS
LINER TUCKED INTO SOIL

STREAM WATERFALL SECTION
LINER TUCKED INTO SOIL
AQUATIC PLANTING MEDIUM AND PLANTINGS
STREAM BED RIVER STONE ON LINER
STREAM EDGE BOULDER
LINER TUCKED INTO SOIL

STREAM AQUATIC SECTION PLANTINGS
SUBMERSIBLE FOUNTAIN PUMP

POND BOTTOM STONE

FILTER BOXES WITH GRADED SAND MEDIUM

EDGE OF LINER ALONG STREAM BED - SEE INSTALLATION DETAIL

LOWER STREAM EDGE FOR AQUATIC PLANT AREA

AQUATIC PLANTING AREAS

OUTFALL FOR AQUATIC WATER

EDGE OF LINER

Berwyn Park District
Proksa Park "Pond Filter and Pump Section" with Typical Stream Bed Aquatic Planting Plan
12 - 16 - 2016
Berwyn Park District
Proksa Park Waterplay Enlargement Plan
12 - 16 - 2016

STONE CREEK BED WITH LINER, TYP.

LANDSCAPE PLANTINGS BETWEEN PLAY AREA AND CREEK

EXISTING TREES TO REMAIN

BOULDERS AT THE WATER OUTFALL

CURBED CONCRETE CHANNEL WITH SMALL BOULDERS POURED IN PLACE

CONCRETE CURBS TO DIRECT WATER FLOW AND ALSO ALLOW FOR DAMMING / DIVERTING

RAISED CONCRETE PLAZA AREA WITH (2) BENCHES

NATURE PLAY WATER SOURCE - WATER PUMP OR TIMED HYDRANT

NATURE PLAY AREA - (2) SAND/MUD PLAY PITS SURROUNDED BY LARGE BOULDERS

NATURE PLAY AREA - WOODCHIP WITH TREE TRUNKS AND STUMPS

WATER CONNECTION

CLIMBING BOULDER (4'-5' HEIGHT) WITH SYNTHETIC TURF OR RUBBER FALL SURFACING

NEW CONCRETE SIDEWALK CONNECTIONS

EXISTING PLAYGROUND AREA AND PATHS TO REMAIN