



**GENERAL NOTES :**

THIS DETAIL IS PROVIDED IN GENERAL ENGINEERING AND CONSTRUCTION FORMAT AND CAN BE READILY REVISED TO MATCH SITE SPECIFIC INSTALLATION CONDITIONS.

THIS PRETX SYSTEM IS A STORMWATER TREATMENT AND SUSTAINMENT DEVICE THAT PRETREATS STORMWATER FLOWS TO AND EXTENDS THE OPERATING LIFE AND REDUCES THE MAINTENANCE BURDEN OF BIORETENTION SYSTEMS, RAIN GARDENS, BIOSWALES AND OTHER TYPES OF SURFACE AND SUBSURFACE, NEW OR RETROFIT BEST MANAGEMENT PRACTICES. THIS PRETX UNIT FILTERS OUT SEDIMENT, TRASH AND DEBRIS BEFORE STORMWATER FLOWS CAN ENTER THESE OTHER SYSTEMS. PRETX IS SIZED TO PRETREAT WATER QUALITY FLOWS AND BYPASS LARGER FLOWS THAT HAVE MINIMAL TRASH AND DEBRIS.

**PRODUCTS:**

THIS PRETX SYSTEM PROVIDES STAND ALONE TREATMENT AND PRETREATMENT FOR BIOFILTRATION AND BIORETENTION SYSTEMS, TYPICALLY PLACED AT THE EDGE OR AT THE LOW SPOT OF PAVEMENT AREAS OR ALONG TRAFFIC RIGHT-OF-WAYS AT CURB CUTS OR TIP DOWNS OF THE GUTTER FLOW LINE.

ACCEPTABLE SYSTEM SUPPLIER:  
CONVERGENT WATER TECHNOLOGIES, INC. OR ITS AUTHORIZED VALUE-ADDED RESELLER  
(800) 711-5428  
WWW.CONVERGENTWATER.COM

**CONSTRUCTION NOTES :**

1. CONTRACTOR TO VERIFY VERTICAL DIMENSIONS OF ALL PRECAST PIECES IN FIELD.
2. VERIFY SUBBASE ELEVATION BEFORE PLACING PRECAST COMPONENTS OR BACKFILLING.
3. APPLY BUTYL MASTIC, GASKETS OR GROUT TO SEAL JOINTS OF STRUCTURE.
4. ALL INTERNAL COMPONENTS INSTALLED BY MANUFACTURER.

**MATERIALS :**

1. ALL DIMENSIONS ARE IN FEET OR DECIMAL INCHES
2. PRECAST MATERIALS AND MANUFACTURING METHODS SHALL CONFORM TO ASTM C-857 & C-478.
3. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH  $F_c = 3,000$ -PSI AT 28-DAYS.
4. THE PORTLAND CEMENT USED IN THE PRECAST SECTION SHALL MEET THE REQUIREMENTS OF TYPE II/IV HIGH SULFATE RESISTANT CEMENT IN ACCORDANCE WITH ASTM CLASS M C-150.
5. DESIGN LOAD: H-20 TRAFFIC FROM 1' TO 6' COVER PER ASTM C890 & C915 & AASHTO LOADING METHODS.

**LIFTING WEIGHTS :**

1. HEAVIEST PICK WEIGHT IS 15,600-LBS.

**(\*\*) REGIONAL MANUFACTURING DIFFERENCE :**

THESE ARE TEMPLATE DRAWINGS. JOINTS, WALL, TOP AND BOTTOM SLAB THICKNESS VARY ACROSS REGIONAL MANUFACTURING FACILITIES & ALSO FOR SITE SPECIFIC LOAD CONDITIONS. CONFIRM FINAL CONCRETE THICKNESSES & DEPLOYMENT CONFIGURATIONS MATCH CONSTRUCTION & MANUFACTURING SUBMITTAL DRAWINGS. ADJUST FINAL DIMENSIONS TO EXTERIOR INVERT AND SUBGRADE ELEVATION PER REGIONAL DIFFERENCES.



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## DIMENSIONAL SKETCH FOR PRETX

MODEL:

**PROJECT:**

REVISION NO.

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DATE  
1/4/2024

SHEET NO.

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