

A COMBINATION 12 SOFT RUSH (JUNCUS EFFUSUS) AND 12

OF WATER IN THE BOTTOM OF THE WETLAND BASIN. THE

CAPILLARY ACTION. PLANT 24 PLANTS IN 4" POTS PER

LANDSCAPE ARCHITECT.

SEDIMENTATION -

FILTRATION AREA \

SECTION

STANDING WATER PROVIDES FOR SOIL MOISTURE THROUGH

STORMTREAT™ UNIT UNLESS OTHERWISE SPECIFIED BY THE

SEDIMENTATION

FILTRATION 5

WETLAND AREA

BULRUSH (SCIRPUS ALTROVIRENS) SPACED 12" APART IN 2 RINGS.

ARE MAINTAINED BETWEEN STORMS BY A MINIMUM OF SIX INCHES

MANHOLE COVER (ATTACHED

∖WITH 12 PENT-HEAD, VANDAL-

FINE STONE

__SKIMMERS TRANSFER

NEXT CHAMBER.

CLARIFIED WATER TO

EXAMPLE OF

PLANT LAYOUT

PROOF, SECURITY BOLTS).

SKIMMER -

BULRUSH SHALL BE PLANTED INSIDE THE SOFT RUSH. PLANTS

SET TOP OF STORMTREAT TANK

6" ABOVE INVERT ELEVATION OF

OVERFLOW PIPE.

— OVERFLOW OUTLET PIPE

COVERFLOW WEIR DISCHARGES

STORMWATER AFTER THE "FIRST

FLUSH". THE INITIAL 1" OF RUNOFF

FROM IMPERVIOUS AND 0.40" FROM

THE STS TANKS FOR TREATMENT.

PERVIOUS AREAS ARE CAPTURED BY

− STORMTREAT™ OVERFLOW

DIVERSION STRUCTURE -

SEE DETAIL G THIS SHEET

4" INFLOW PIPE —

4" SLOTTED (0.01) WELL SCREEN PIPES -

WETLAND SUBSTRATA: 24' IN LENGTH, -

COMPRISED OF FINE STONE (3MM-5MM)

SOLID BULKHEAD DIRECTS WATER -

AND HYDRAULIC GRADIENT.

(ON CENTER).

INFLOW AND OUTFLOW PIPES -

OIL AND GREASE TRAP: TRAPS FLOATABLE HYDROCARBONS IN SEDIMENTATION CHAMBER.

TANK WALLS CONSTRUCTED OF -1/4"-3/8" RECYCLED POLYETHYLENE

BULKHEADS PROVIDE STABILITY -AND SLOW WATER FLOW TO **OBTAIN HIGH TSS REMOVAL RATES.**

GALLONS HOLDING TIME = VARIABLE

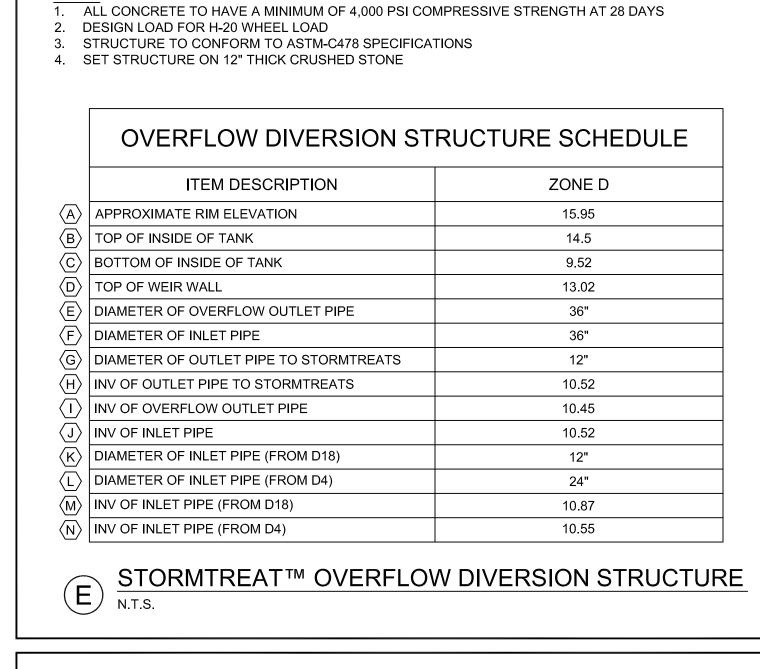
OTHER SPECIFICATIONS:

 $HOLDING\ VOLUME = 1,390$

THROUGH THE WETLAND SYSTEM BY

ESTABLISHING A NO-FLOW BOUNDARY

4" OUTFLOW PIPE —



SECTION A-A

6" THICK REINFORCED —

- 24" ACCESS PORT, TYP

<u>PLAN</u>

OVERFLOW WEIR

REINFORCED COPOLYMER —

POLYPROPYLENE SAFETY

STEPS, TYP

RIM SET FLUSH WITH —

FINISH GRADE

TYP OF 2

ACCESS RISER, -

REINFORCED -

COPOLYMER

POLYPROPYLENE

WATERTIGHT JOINT

MASONRY FILL WITH **BRICK CHANNEL**

ANCHOR CLIPS

WITH BUTYL OR

MASTIC SEALANT

SAFETY STEPS

OVERFLOW

SD TO

OUTLET PIPE

STORMTREAT

/- SLOPE TOWARDS

 \vdash - - - - - - - -

OUTLET PIPE, TYP.

√ SD FROM

1" DEEP KEY WAY TO

RECEIVE WEIR WALL

AND WATER TIGHT

REINFORCED CONCRETE

ANTI-FLOATATION SLAB

PRECAST CONCRETE TANK

- REINFORCED COPOLYMER

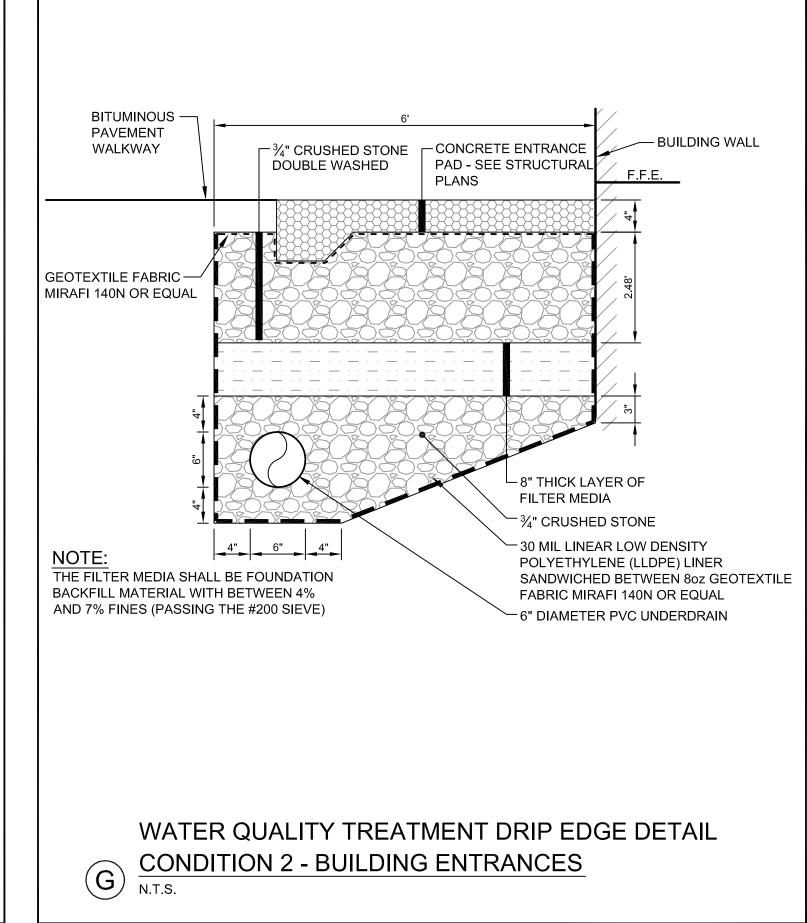
POLYPROPYLENE SAFETY

- KOR-N-SEAL OR EQUAL WATERTIGHT BOOT, TYP

— REINFORCED CONCRETE ANTI-FLOTATION SLAB

- WATER TIGHT SEAL

SEALANT



— LOAM AND SEED OR LANDSCAPE

PLANS FOR FINAL TREATMENT

GEOTEXTILE FABRIC —

MIRAFI 140N OR EQUAL

THE FILTER MEDIA SHALL BE FOUNDATION

BACKFILL MATERIAL WITH BETWEEN 4%

AND 7% FINES (PASSING THE #200 SIEVE)

TREATMENT - SEE LANDSCAPE

 $-\frac{3}{4}$ " CRUSHED STONE

DOUBLE WASHED

6" BEYOND EVE

-8" THICK LAYER OF

 $-\frac{3}{4}$ " CRUSHED STONE

-30 MIL LINEAR LOW DENSITY

POLYETHYLENE (LLDPE) LINER

FABRIC MIRAFI 140N OR EQUAL

─ 6" DIAMETER PVC UNDERDRAIN

SANDWICHED BETWEEN 8oz GEOTEXTILE

FILTER MEDIA

1" - 3" WASHED

(4" DEPTH)

RIVER JACK STONE

-6" STEEL EDGING (3/16" THICK) BLACK

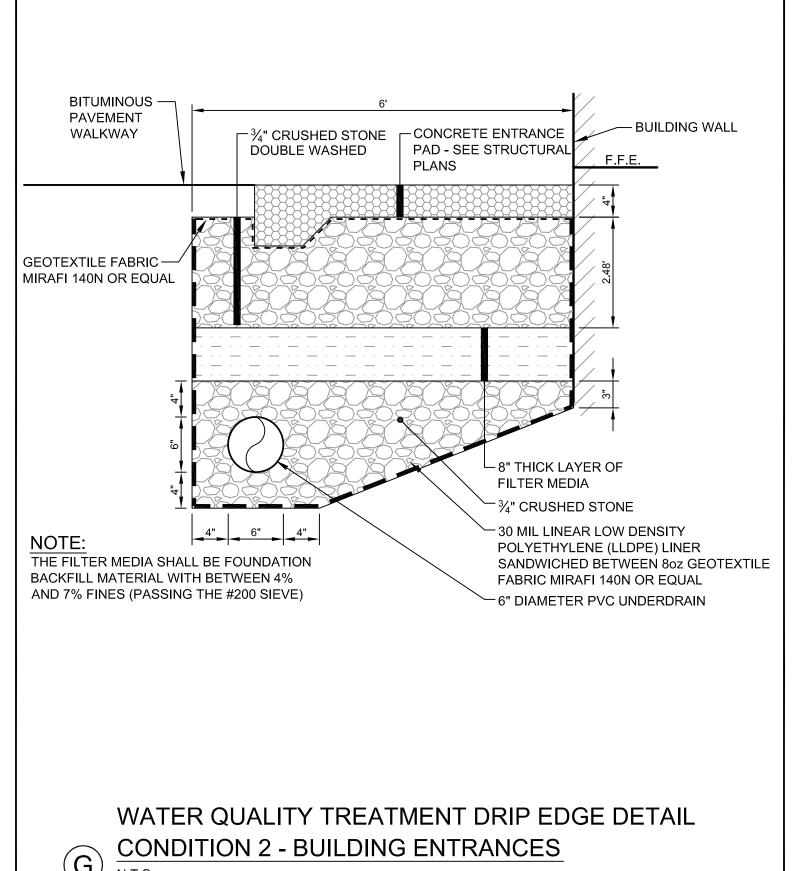
POWDER COAT FINISH; INSTALL PER

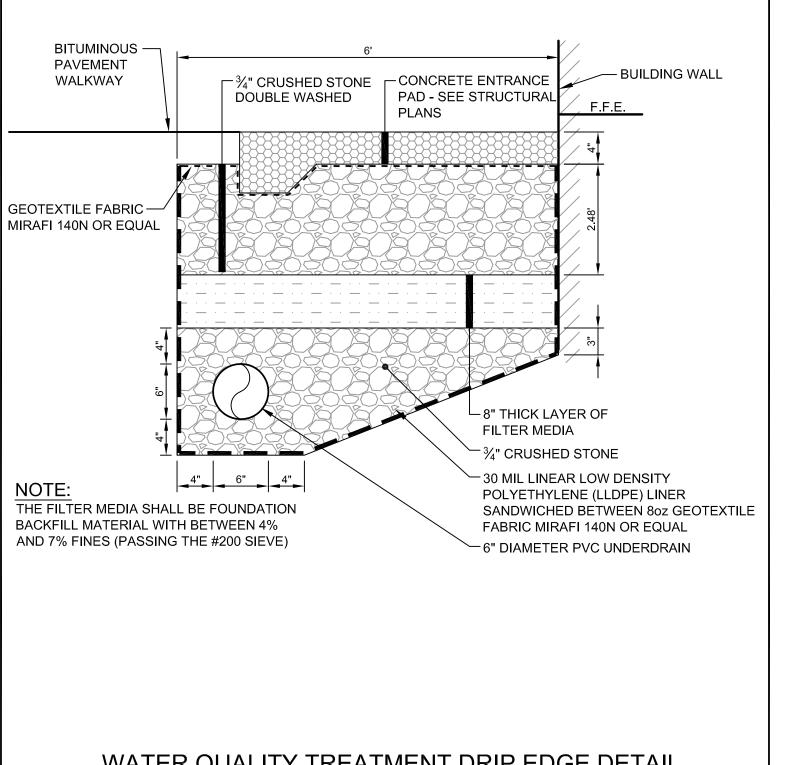
MANUFACTURER'S

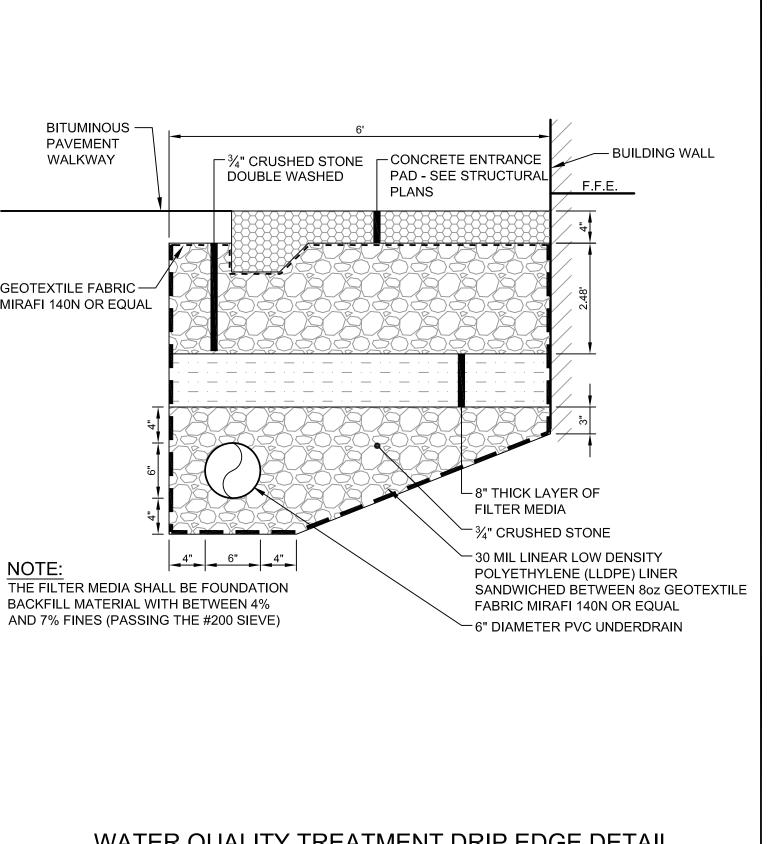
SPECIFICATIONS

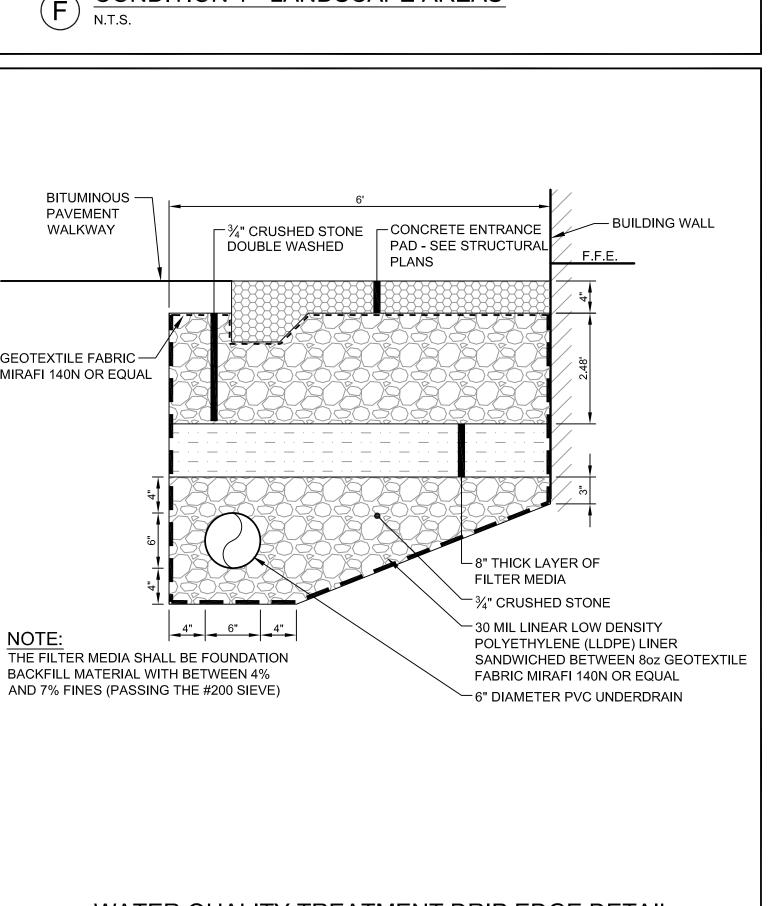
BUILDING —

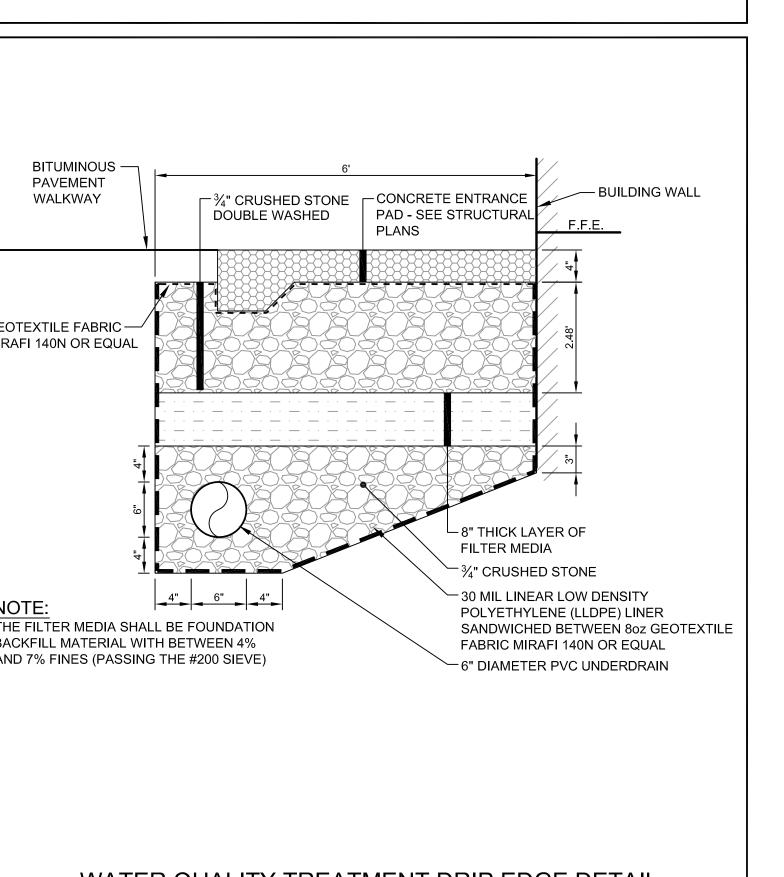
WALL

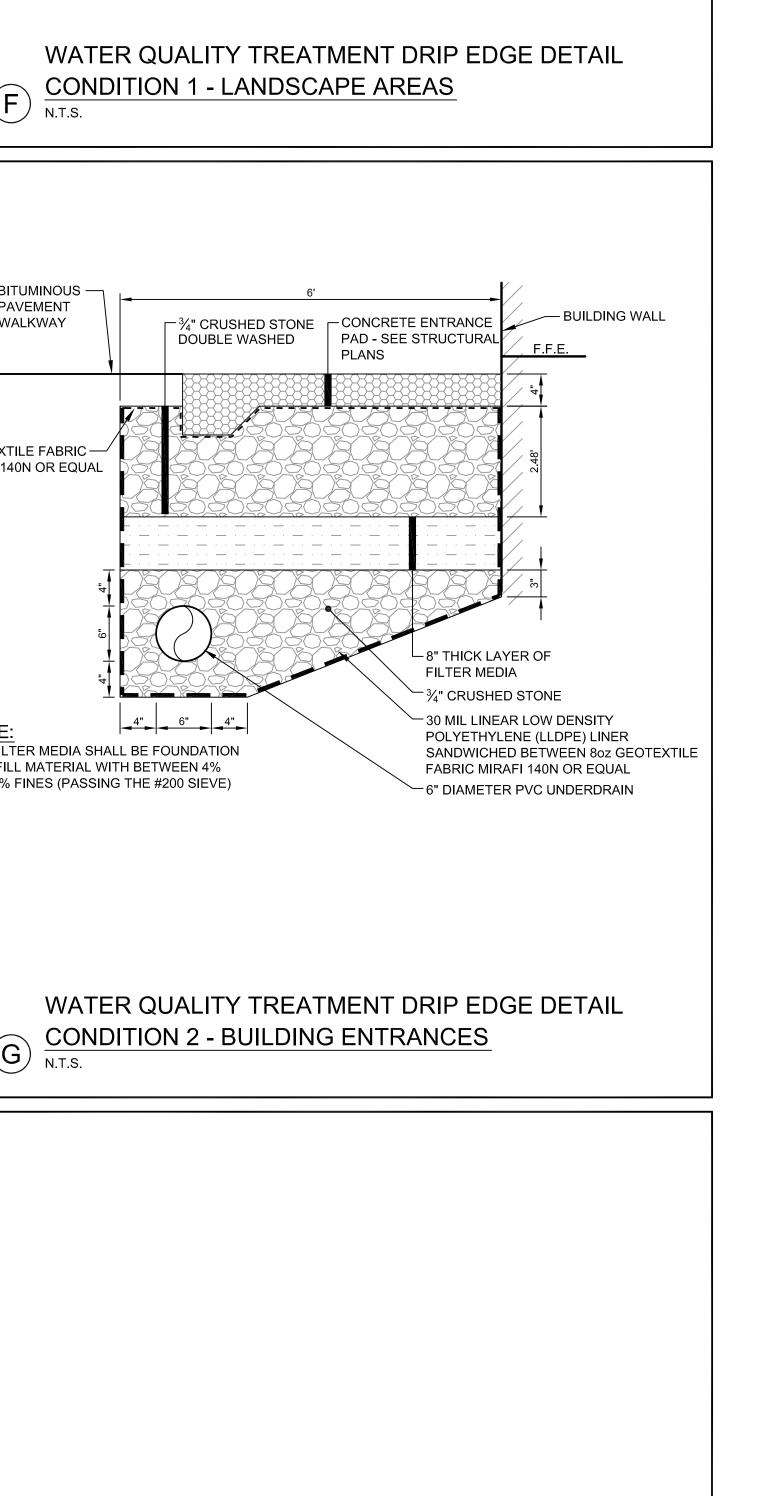












FAY, SPOFFORD & THORNDIKE

SCALE: N.T.S.

JOB NO. 2982.05

C-7.0

ENGINEERS · PLANNERS · SCIENTISTS

