a ar ortland, Ë

Developer

Avesta Pearl Street One,

Architect Winton Scott Architects

Landscape Architect Carroll Associates

Civil Gorrill Palmer Consulting Engineers

> Structural **Becker Structural**

Mechanical / Plumbing Mechanical Systems Engineers

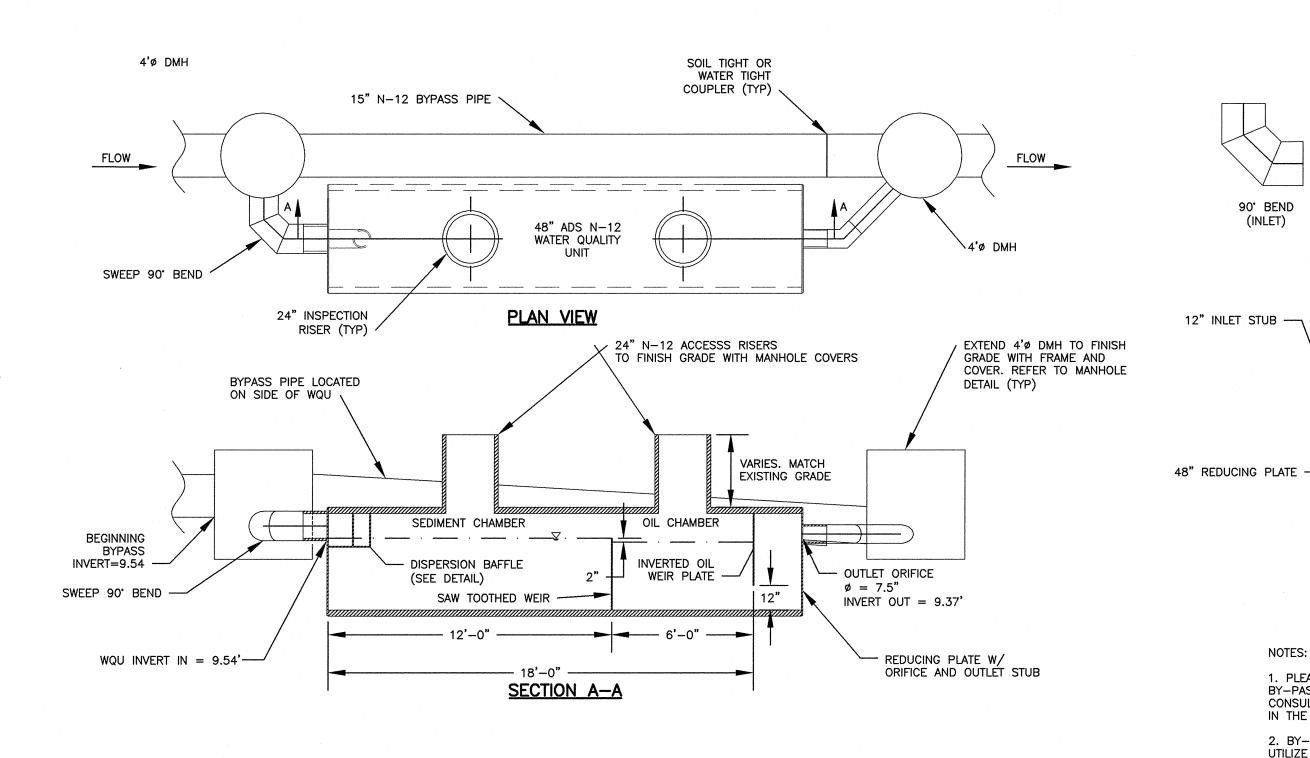
> Electrical Bartlett Designs

BUILDINGS 1 & 2

DRAINAGE **DETAILS**

Scale: NTS

September 1, 2006



ADS HDPE STANDARD WATER QUALITY UNIT (FABRICATED INLET & OUTLET)

---- LEBARON LF 308 FRAME & GRATE WITH A MINUMUM OF A 2' CLEAR OPENING OR EQUAL (ROUND FLANGE AT CORNER TO PROVIDE MAXIMUM 3'-4" DIMENSION) ADJUST TO GRADE WITH BRICK WITH A MIN. OF 3 COURSE AND A MAX. OF 8 COURSES CEMENT MORTAR (TYPE 2 CEMENT) DESIGN NOTES: 1. ALL CONCRETE TO HAVE A MIN. BARREL OF 4,000 PSI COMPRESSIVE SECTION STRENGTH AT 28 DAYS. 4'-0" 2. DESIGN LOAD FOR H-20 WHEEL SECTION 3. CATCH BASIN TO CONFORM TO ASTM-C478 SPECIFICATIONS. 4. REINFORCE TO 0.12 IN SQ./LF.. ALL PIPES TO HAVE A WATERTIGHT SEAL - PRECAST CONCRETE CONCENTRIC CB CONE. WHEN DEPTH OF PIPE IS LESS THAN OR SECTION EQUAL TO 5', USE FLATTOP IN LIEU OF CONCENTRIC CONE. STONE BASE 1. INLET HOODS SHALL BE PROVIDED ON CATCH BASIN PIPES 18" OR LESS

4'-0" PRECAST CATCH BASIN

"THE SNOUT"

14.18"

HEATED SPACE

STRUCTURAL FILL

(MIRAFI 140 OR EQUIVALENT).

- REMOVABLE WATERTIGHT ACCESS PORT, 6" OPENING

14.18"

1. SIZE 18R REQUIRED FOR 12" AND 15" PIPES. 2. INSTALL IN ACCORDANCE WITH MANUFACTURER'S

SIDE

NOTES:

CONTRACTOR SHALL COORDINATE CONNECTIONS FROM INTERNAL FOUNDATION DRAINS TO THE EXTERNAL

DRAIN PIPING AND STORM DRAIN CONNECTIONS WITH

FOUNDATION UNDERDRAIN

BUILDING AND FOUNDATION CONTRACTORS.

N.T.S.

FLOOR SLAB

6" PERFORATED UNDERDRAIN PIPE SHALL BE PLACED ON A

(15" LAYER OF CRUSHED STONE INCLUDING UNDERDRAIN).

3" LAYER AND COVERED BY A 6" LAYER OF 3/4" CRUSHED STONE

CRUSHED STONE SHALL BE WRAPPED IN GEOTEXTILE FILTER FABRIC

SUBGRADE

EXTERIOR FOUNDATION WALL AND FOOTING

STRUCTURAL FILL

1" PVC ANTI-SIPHON PIPE ADAPTER-

FRONT

<u>PLAN</u>

EXTERIOR FINISH GRADE

UNDERDRAIN FILTER FABRIC

(MIRAFI 140N OR EQUIVALENT) -

TYPICAL A-4 CATCH BASIN STONE
N.T.S.

(*) FITTING DIMENSIONS VARY
WITH UNIT DESIGN, DIMENSIONS
CAN BE PROVIDED ONCE DESIGN
IS EVALUATED.

/ 8" N-12 STAND PIPE

WELDED STIFFENER PLATE

DISPERSION BAFFLE DETAIL

(TOP VIEW)

1. PLEASE ACCOUNT FOR FALL FROM THE BEGINNING BY-PASS INLET INVERT TO BY-PASS OUTLET INVERT.

2. BY-PASS FITTINGS COUPLER CONNECTION SHALL

IN THE BY--PASS.

CONSULT YOUR ADS REPRESENTATIVE FOR THE SLOPE

UTILIZE THE SAME COUPLERS AS THE STORM SEWER LINE.

3. UNITS GREATER THAN 20 FEET WILL BE FIELD CONNECTED USING AN INLINE WT BELL AND SPIGOT JOINT. PROPERLY LUBE THE BELL AND SPIGOT GASKET PRIOR TO ASSEMBLY.

(INLET)