

OTHER WATERS PERMIT VICINITY MAPS

DATE: JULY 6, 2011

SHEET I OF 4



PAUL L. MIERS ENGINEERING, LLC

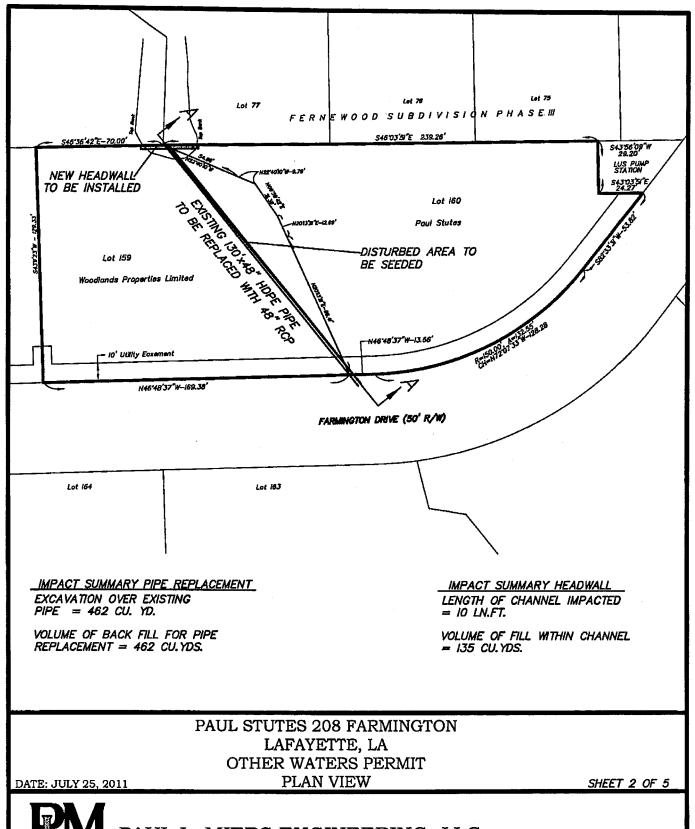
CIVIL ENGINEERS

LAND SURVEYORS

LAFAYETTE, LOUISIANA 70506 FAX(337) 981-7797

BPN 3827 SPN 02 FILE A DWG

104 WESTMARK BLVD, SUITE 2A PHONE (337) 981-7792





PAUL L. MIERS ENGINEERING, LLC

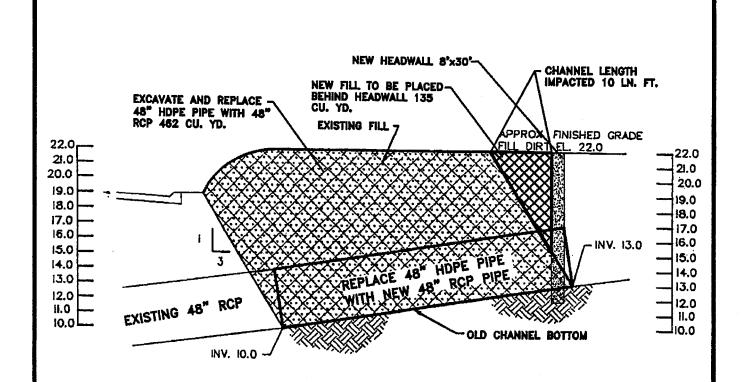
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SECTION A - A

PAUL STUTES 208 FARMINGTON LAFAYETTE, LA OTHER WATERS PERMIT SECTION VIEW____

DATE: JULY 25, 2011

SHEET 3 OF 5



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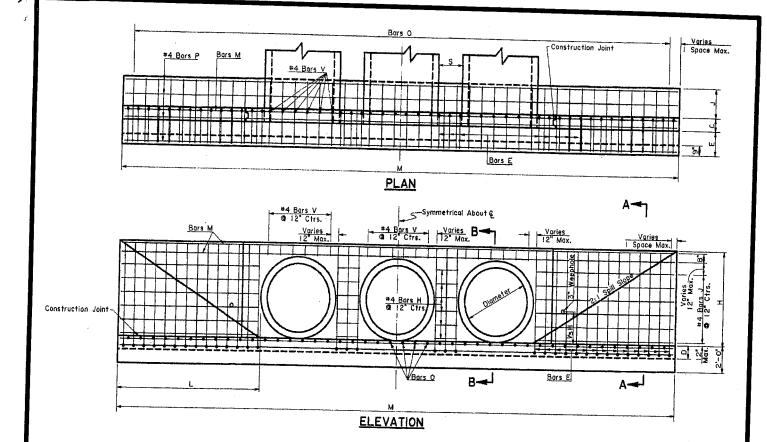
PAUL L. MIERS ENGINEERING, LLC

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PDN 382

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GENERAL NOTES

DESIGN: Method- Headwalls are designed as retaining walls according to current AASHTO working stress procedures. Walls are designed for a lateral earth pressure of 40 psf with 2.0 feet of surcharge. Overturning- A minimum safety factor of 2.0 is provided against overturning. The resultant of loads is within the middle third of the footing. Sliding - A minimum safety factor of 1.5 is provided against silding. The coefficient of friction between the footing and soil is 0.5. Foundation - The design soil bearing pressure is 1800 psf, bedding material shall be added under the footing as directed.

MATERIALS: Concrete- All concrete shall be class A. All exposed edges shall be 34 inch chamfered. Reinforcing Steel - Reinforcement shall be Grade 60. Bar spacing dimensions are to bar centers. Steel required for lop splices not detailed shall not be measured for payment. Reinforcing steel shall have 2" cover unless otherwise specified. Steel and concrete quantitles shown in table are for one headwall.

A 1'-6" square of geotextile fabric (see Section 1019 of the LA DOTD Standard Specifications) shall be placed in contact with concrete behind each weephole in addition to approximately 2 cu.ft. of concrete sand (see Section 1003.02 of the LA DOTD Standard Specifications).

CONSTRUCTION JOINTS: All construction joints shown are optional. For details of keyed construction joints see Standard Plan CM-49. For construction joints with surface shall be roughened. Hardened surface shall be cleaned. Immediately before new concrete is placed, joint surface shall be saturated with water.

PAUL STUTES 208 FARMINGTON LAFAYETTE, LA OTHER WATERS PERMIT **DETAILS**

DATE:JULY 6, 2011

SHEET 4 OF 5



PAUL L. MIERS ENGINEERING, LLC

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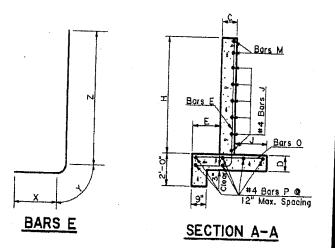
LAND SURVEYORS

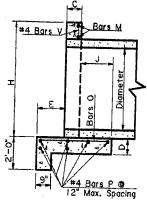
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SECTION B-B

PAUL STUTES 208 FARMINGTON LAFAYETTE, LA OTHER WATERS PERMIT DETAILS

DATE:JULY 6, 2011

SHEET 5 OF 5



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