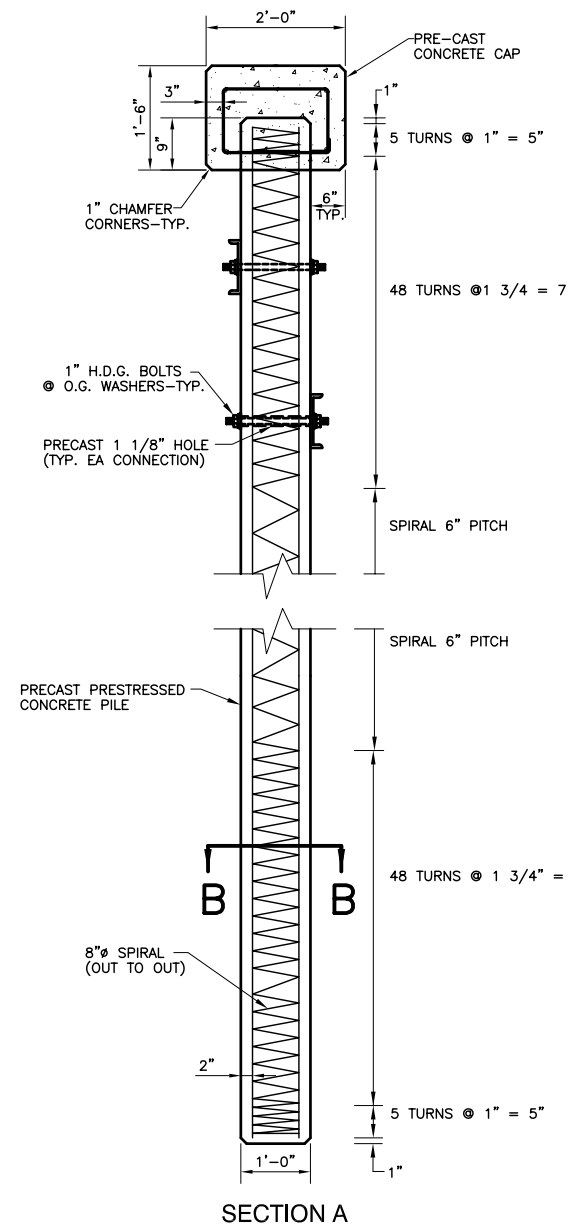


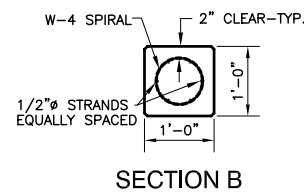
TYPICAL PILE BENT ELEVATION
N.T.S.

GENERAL NOTES

- CONSTRUCTION SPECIFICATIONS SHALL CONFORM TO APPLICABLE REQUIREMENTS SET FORTH WITHIN LADOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, LATEST EDITION.
- DESIGN SPECIFICATIONS SHALL CONFORM TO AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, LATEST EDITION.
- CONCRETE FOR PRECAST PRESTRESSED CONCRETE PILES SHALL BE CLASS "P"; MINIMUM COMPRESSIVE STRENGTH 5,000 PSI AT 28 DAYS.
- CONCRETE FOR PRECAST PILE CAPS SHALL BE CLASS "A"; MINIMUM COMPRESSIVE STRENGTH 3,800 PSI AT 28 DAYS. THE CAP DESIGN SHALL BE MANUFACTURER IN ACCORDANCE WITH THE WASKEY BRIDGE, INC. OR APPROVED EQUAL. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ALONG WITH DESIGN CALCULATIONS FOR ENGINEERING REVIEW PRIOR TO ORDERING.
- PRESTRESSING REINFORCEMENT FOR CONCRETE PILES SHALL BE SEVEN-WIRE, UNCOATED, STRESS-RELIEVED 1/2" DIAMETER STRANDS GRADE 250 AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION A-416. AN INITIAL TENSILE FORCE OF 25,200 LBS. SHALL BE APPLIED TO EACH 1/2" DIAMETER STRAND.
- SPECIAL REINFORCING STEEL FOR CONCRETE PILES SHALL BE GRADE W-4 HAVING A NOMINAL DIAMETER OF 0.225 INCHES. SPECIAL REINFORCEMENT SHALL BE COLD-DRAWN STEEL WIRE CONFORMING TO ASTM DESIGNATION A-82 AS AMENDED BY LADOTD STANDARD SPECIFICATIONS.
- DEFORMED REINFORCING STEEL FOR PILE CAPS SHALL BE DEFORMED BILLET-STEEL BARS GRADE 60, YIELD STRESS 60 KSI CONFORMING TO ASTM DESIGNATION 615.
- ALL REINFORCEMENT DIMENSIONS ARE TO STRAND OR BAR CENTERS UNLESS OTHERWISE NOTED.
- FOLLOWING FABRICATION, ALL CONCRETE PILES SHALL BE HELD AT THE PLANT A MINIMUM OF 10 DAYS UNTIL THE CONCRETE HAS ATTAINED A COMPRESSIVE STRENGTH OF 5,000 PSI.
- EXPOSED SURFACES OF PRECAST CONCRETE PILES AND PILE CAPS SHALL RECEIVE A CLASS 2 RUBBED FINISH IN ACCORDANCE WITH SECTION 805.13 OF LADOTD STANDARD SPECIFICATIONS. ALL EXPOSED CONCRETE CORNERS ON PILES AND CAPS ARE TO HAVE 1" CHAMFERS.
- ALL STRUCTURAL STEEL INCLUDING SWAY BRACES, PIPE STRAPS, BOLTS AND OTHER CONNECTIONS SHALL BE HOT-DIPPED GALVANIZED GRADE A-36 STEEL; YIELD STRESS 36 KSI. FIELD DRILLED HOLES SHALL BE COATED WITH 2 COATS COLD GALVANIZING COMPOUND PRIOR TO INSTALLING CONNECTIONS.
- DRIVING TOLERANCE OF CONCRETE PILES SHALL BE WITHIN ± 2" OF PLAN STATION AND ± 1" OF PLAN ELEVATION. IN THE EVENT EXCESSIVE RESISTANCE IS ENCOUNTERED DURING DRIVING OPERATIONS, REQUIRED JETTING WILL BE PROVIDED AT NO ADDITIONAL COST TO OWNER. PILES SHALL BE DRIVEN TO ELEVATIONS SHOWN. NO CUT-OFFS WILL BE ALLOWED.

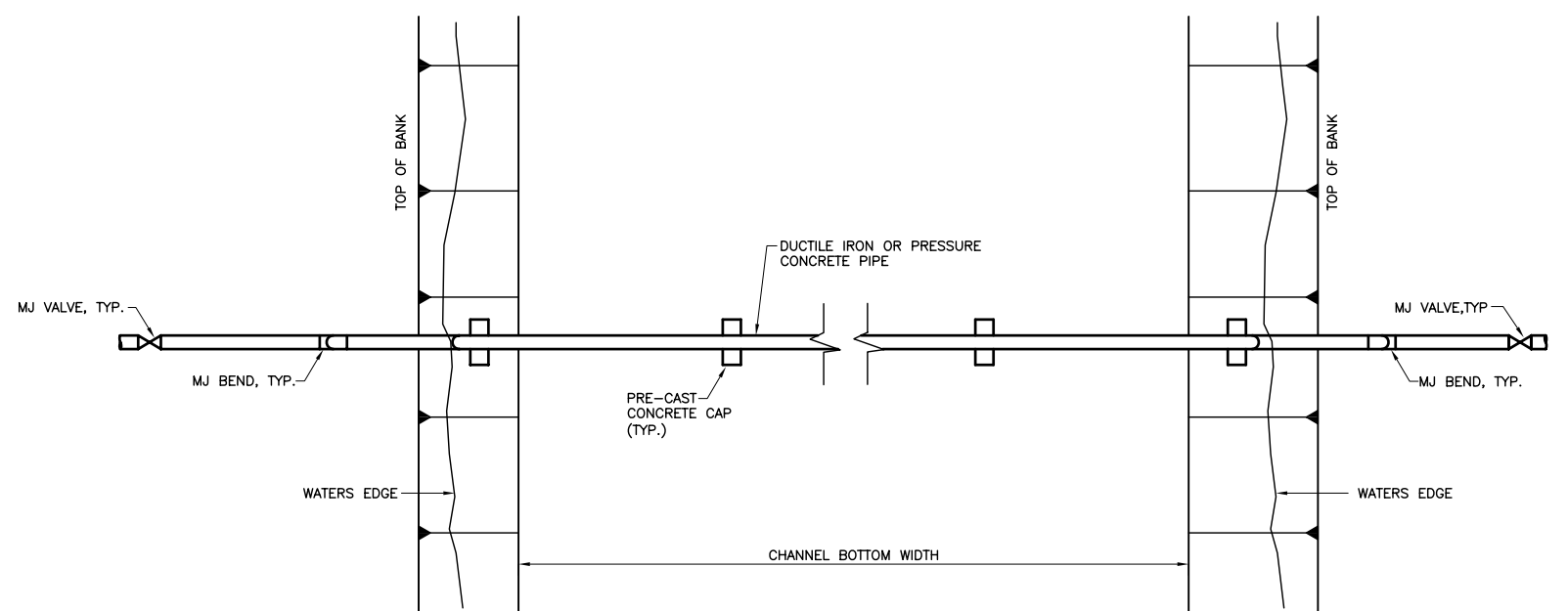


SECTION A

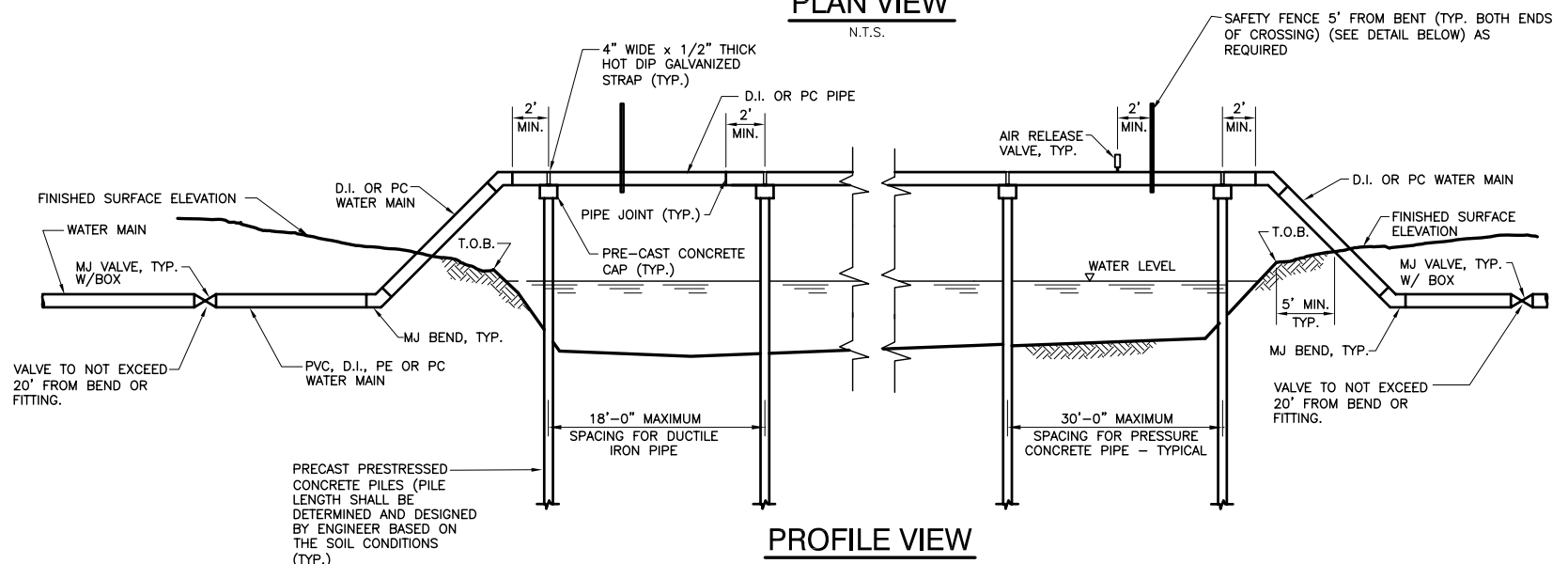


SECTION B

PRECAST CONCRETE PILE
N.T.S.



PLAN VIEW
N.T.S.

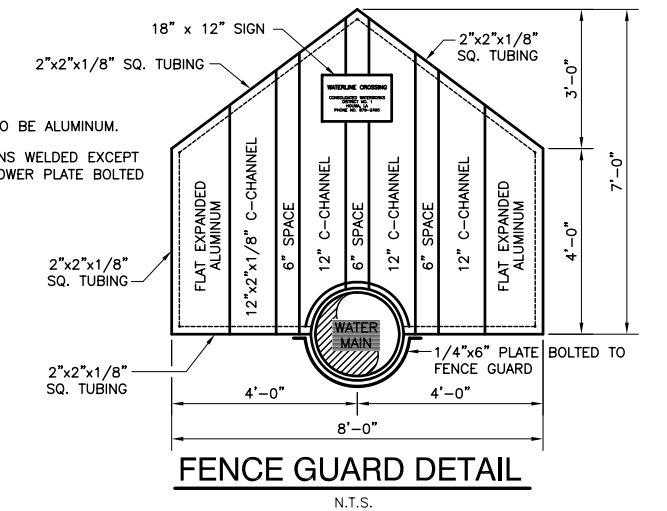


PROFILE VIEW
N.T.S.

NOTE: ALL EXPOSED DUCTILE IRON PIPE SHALL BE RESTRAINED THE ENTIRE LENGTH OF AERIAL CROSSING.

NOTES:

- ALL MATERIAL TO BE ALUMINUM.
- ALL CONNECTIONS WELDED EXCEPT FOR 1/4"x6" LOWER PLATE BOLTED TO GUARD.



N.T.S.

AERIAL CROSSING DETAILS FOR WATER MAINS
(TIMBER PILES AND /OR TIMBER BENTS REQUIRE SPECIAL CONDITIONAL APPROVAL)



CONSOLIDATED WATERWORKS DISTRICT NO. 1
8814 MAIN STREET
P.O. BOX 630
HOUMA, LOUISIANA 70361

STANDARD WATERMAIN DETAILS & GENERAL NOTES
FOR
SUBDIVISIONS/DEVELOPMENTS

DESIGNED BY: _____ COMPILED BY: _____ APPROVED BY: _____

DATE:

APRIL, 2010

SCALE:

NOT TO SCALE

DATE:

REVISIONS:

REMARKS:

DATE:

REVISIONS:

REMARKS:

FILE:

ACAD:DISTAREA3\2-14B

AREA:

SHEET:

4 OF 4