West Field Irrigation Company

Typical Drawings

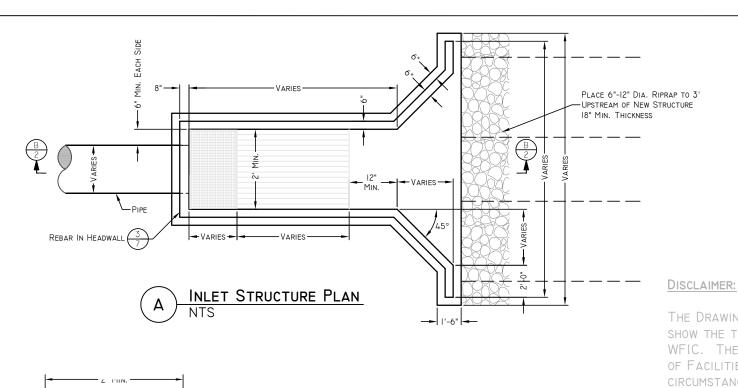
Sheet Index

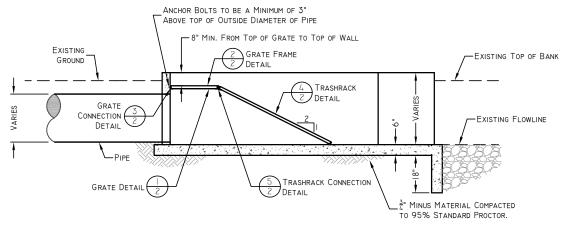
- I COVER SHEET
- 2 TRASHRACK AND INLET STRUCTURE
- 3 OPEN DITCH TO PIPE TRANSITION AND STRUCTURE
- 4 WEIR TURNOUT GATE
- 5 3-FOOT CIPOLLETTI WEIR
- 6 I-FOOT PARSHALL FLUME
- 7 90° V-Notch Weir
- 8 IRRIGATION BUBBLE UP BOX
- 9 IRRIGATION TURNOUT-DIVERSION BOX
- 10 DIRECTIONAL DRILLING PIPE BEDDING DETAILS

DISCLAIMER:

THE DRAWINGS PROVIDED IN THESE STANDARDS ARE ONLY INTENDED TO SHOW THE TYPE OF FACILITY(IES) THAT WILL BE ACCEPTABLE TO THE WFIC. THESE ARE NOT INTENDED TO BE USED DIRECTLY IN THE DESIGN OF FACILITIES AS EACH ENCROACHMENT/CROSSING HAS ITS OWN UNIQUE CIRCUMSTANCE, DIMENSIONS, DESIGN CRITERIA, ETC. IT IS THE RESPONSIBILITY OF THE APPLICANT'S DESIGN ENGINEER, WHO WILL STAMP THE DRAWING, TO ENSURE THAT EACH CROSSING IS DESIGNED PROPERLY.

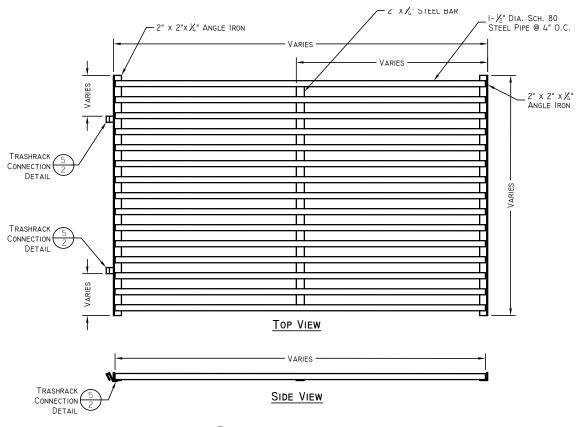
RRIGATION COMPANY WEST FIELD





B INLET STRUCTURE PROFILE
NTS

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TRASHRACK DETAIL

Z" X 2" X ½" ANGLE IRON FRAME
WELDED AT THE CORNERS

2 ½" MIN. EMBEDMENT

IRRIGATION DISTRICT

WEST FIELD

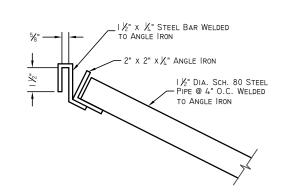
WEST FIELD IRRIGATION DISTRICT & COMPANY
TYPICAL DRAWINGS
TRASHRACK AND INLET STRUCTURE

SHEET

2 of 10

GRATE CONNECTION DETAIL

NTS



5 TRASHRACK CONNECTION DETAIL
NTS

Notes:

- IF BOX IS CAST IN PLACE, REBAR TO BE PLACED AT I2 INCHES ON CENTER (O.C.) EACH WAY (E.W.) MINIMUM.
- 2. ALL PIPES INTO BOX SHALL BE GROUTED AND WATERTIGHT.
- SUBMIT TO CANAL COMPANY ENGINEER FOR APPROVAL.
 ENTIRE TRASHRACK TO BE HOT DIPPED GALVANIZED.
- 5. MINIMUM TWO GRATES TO BE INSTALLED. SUBMIT TO CANAL COMPANY ENGINEER FOR APPROVAL.

2 GRATE FRAME DETAIL

GRATE CONNECTION DETAIL

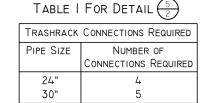
GRATE DETAIL

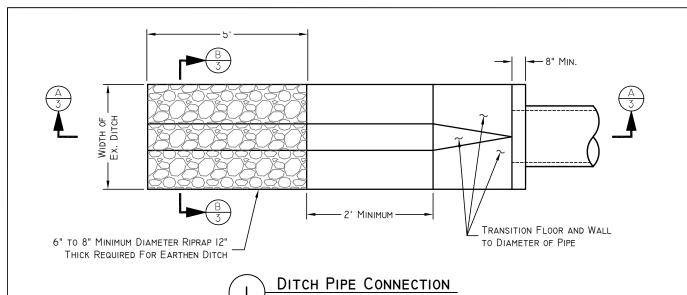
WEIDED GALVANIZED

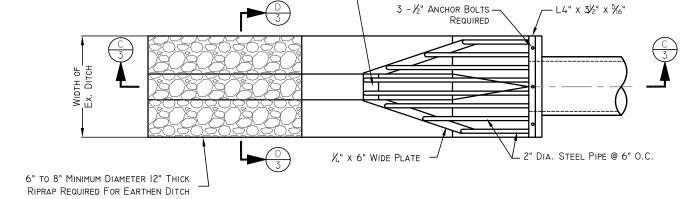
2" X 2" X ½" ANGLE - IRON FRAME WELDED AT THE CORNERS

" 316SS ANCHOR BOLTS

GRATING 2" MAX. SPACING

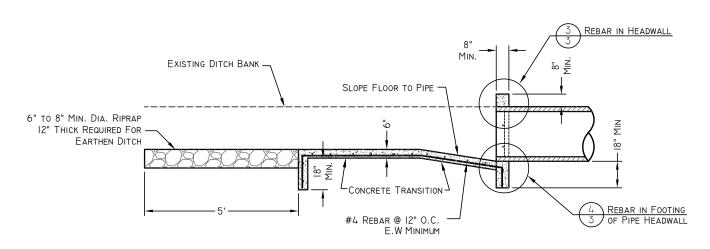


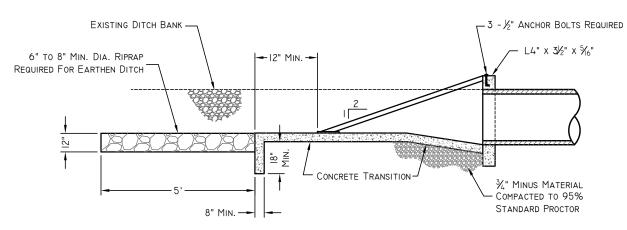




TRASH RACK PLAN

1/4" X 7" WIDE PLATE -



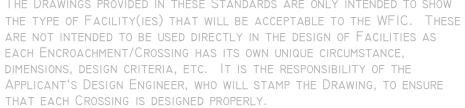


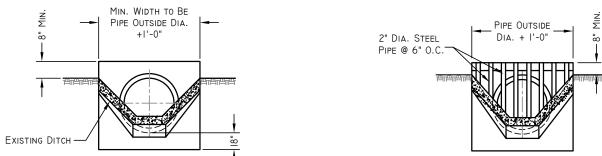
TRASH RACK SECTION

DISCLAIMER:

DITCH PIPE CONNECTION SECTION

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Notes:

I. IF BOX IS CAST IN PLACE, REBAR TO BE PLACED AT 12 INCHES O.C. E.W. MINIMUM.

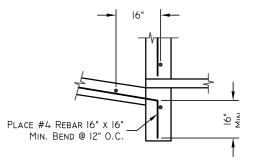
3. SUBMIT TO CANAL COMPANY ENGINEER FOR APPROVAL OF FINAL DIMENSIONS ON

2. ALL PIPES INTO BOX SHALL BE GROUTED AND WATERTIGHT.

REBAR REINFORCEMENT AND CONCRETE COMPONENTS.

PLACE #4 REBAR AS SHOWN AROUND PIPE OPENING, SUBMIT REBAR REINFORCEMENT TO ENGINEER





REBAR IN FOOTING OF PIPE HEADWALL

WEST FIELD INRIGATION DISTRICT & COMPANY
TYPICAL DRAWINGS
1 TO PIPE TRANSITION & S DIТСН OPEN SHEET

3 of 10

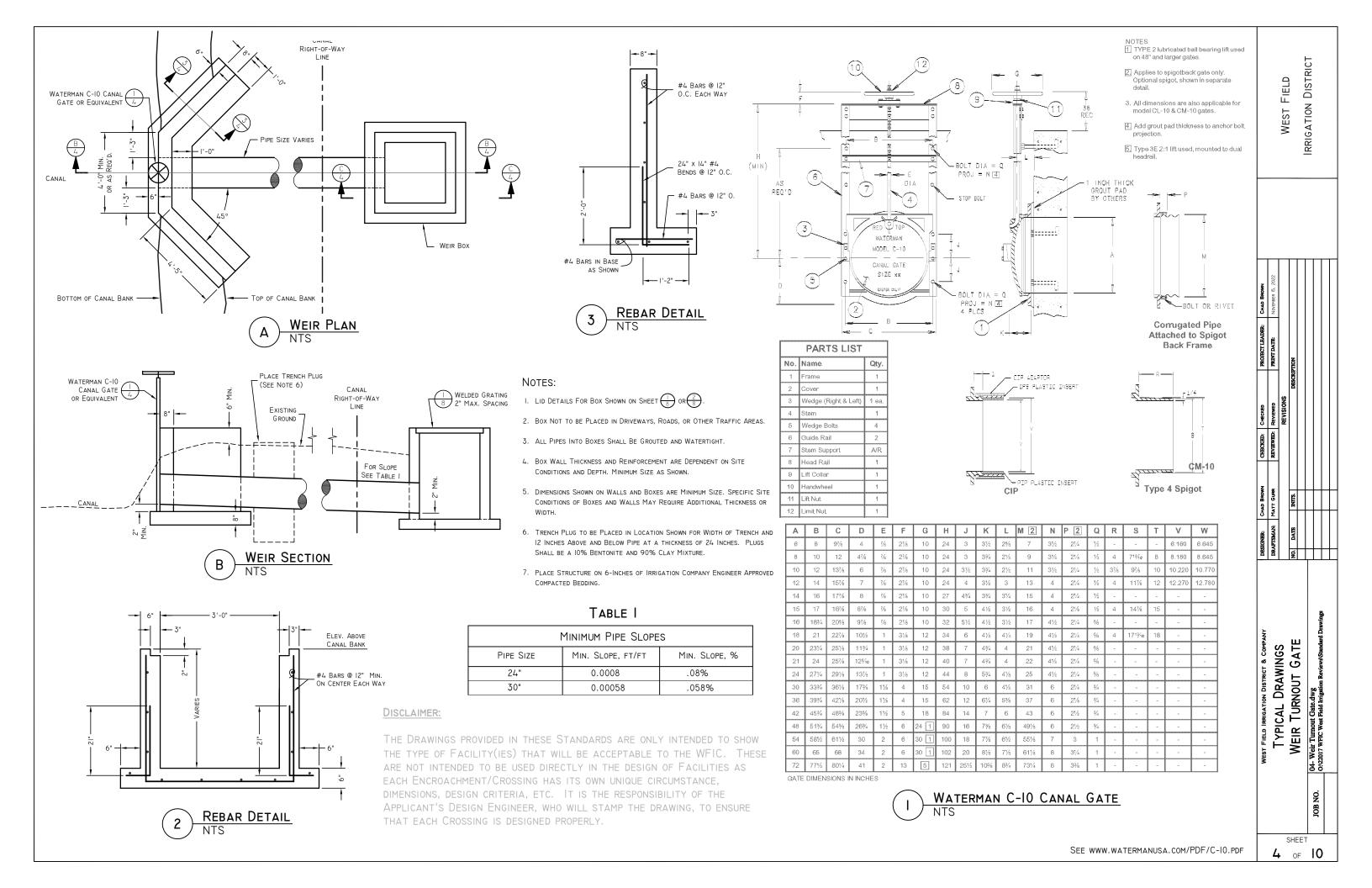
STRUCTURE

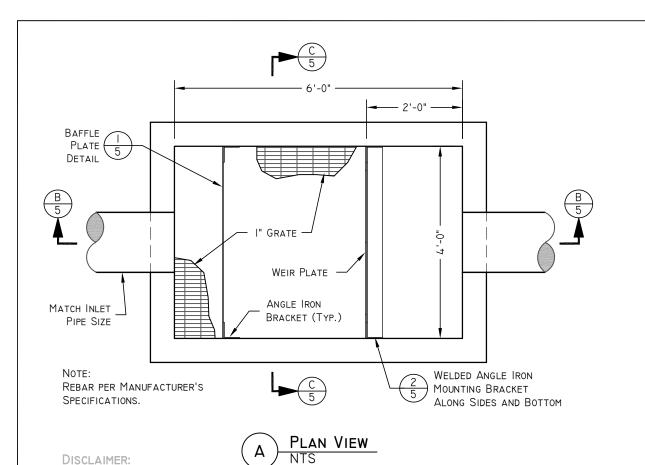
RRIGATION DISTRICT

WEST FIELD

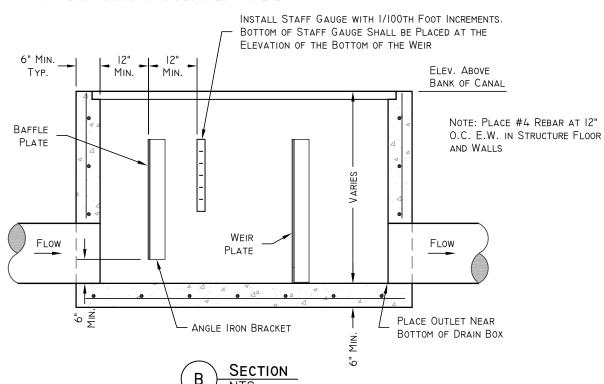
DITCH PIPE CONNECTION SECTION







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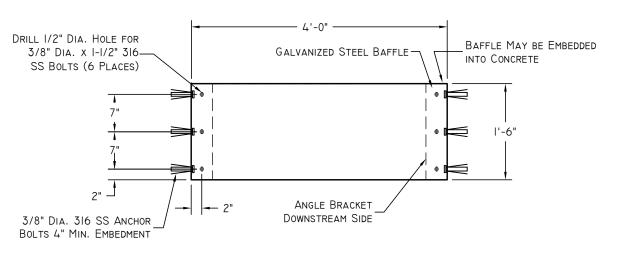
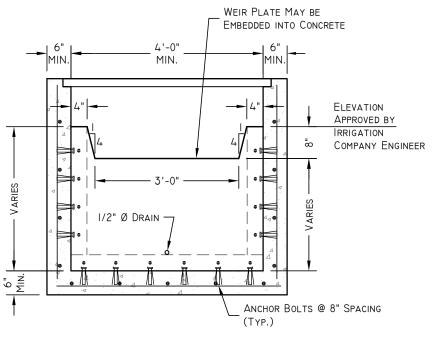


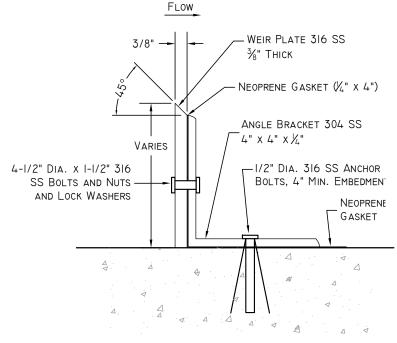


TABLE I Q=3.367 LH^{3/2} @ L=3

Н (Fт.)	Q (CFS)
0.2	0.90
0.3	1.66
0.4	2.56
0.5	3.57
0.6	4.69
0.66	5.42



SECTION



IRRIGATION DISTRICT

FIELD

WEST

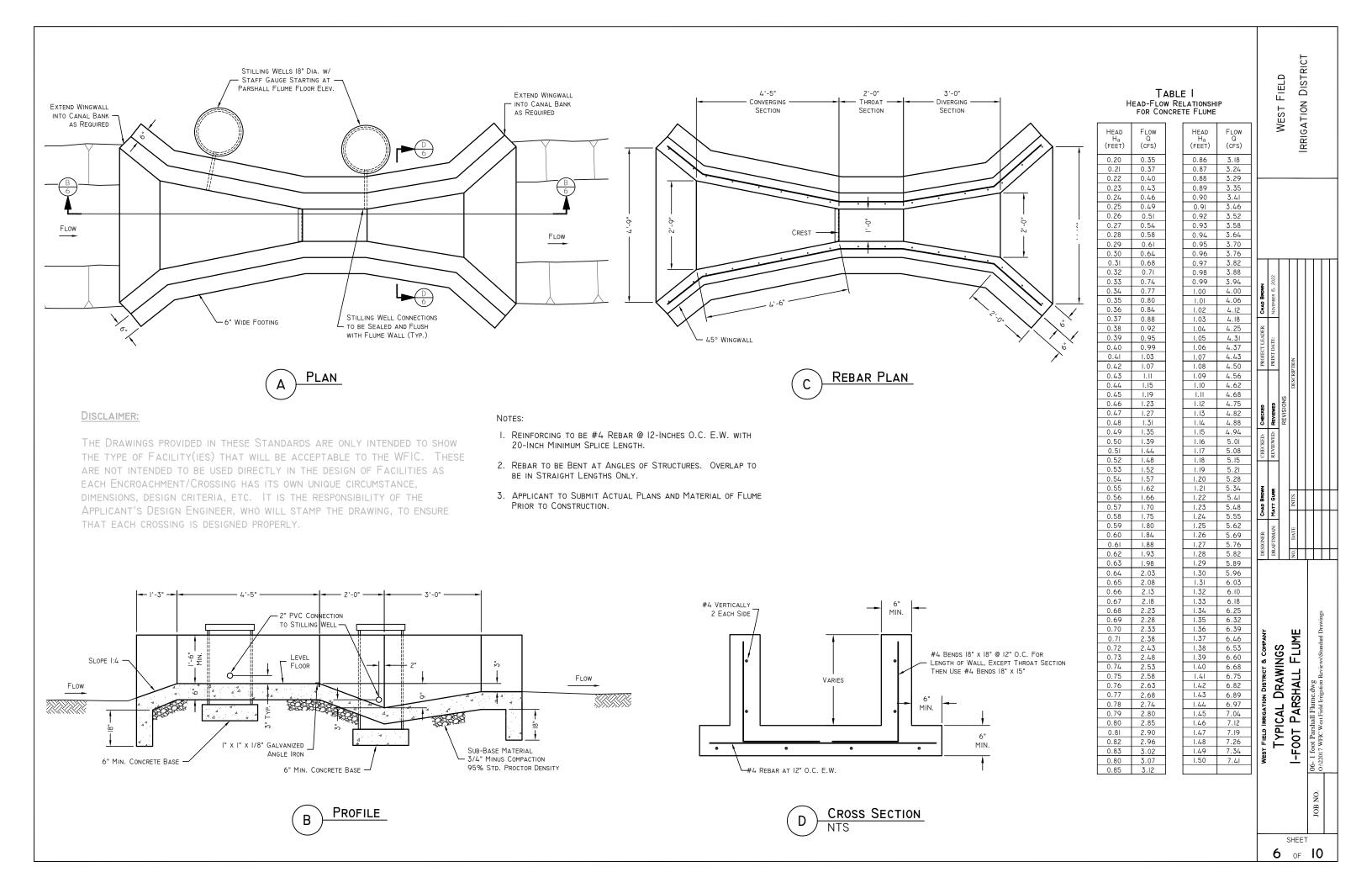
EST FIELD IRRIGATION DISTRICT & COMPANY
TYPICAL DRAWINGS
5 FOOT CIPOLETTI WEIR

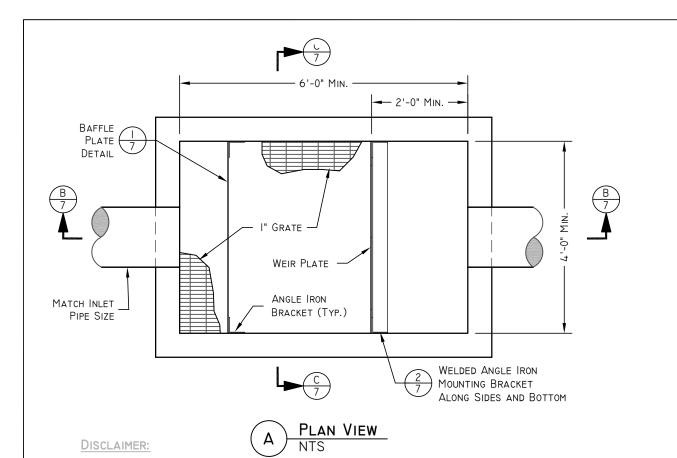
3

SHEET 5 of 10

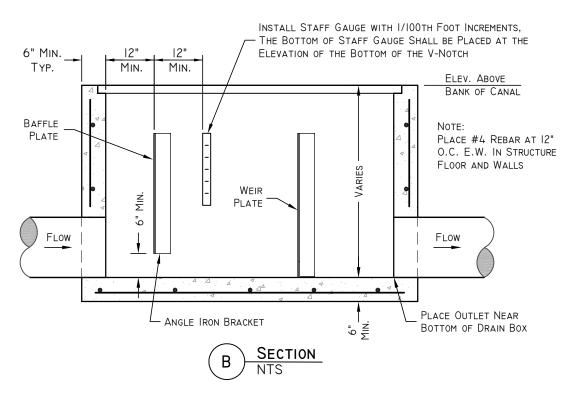
ANGLE IRON DETAIL

- I. IF BOX IS CAST IN PLACE REBAR TO BE PLACED AT 12" O.C. E.W. MINIMUM.
- 2. DETAILS FOR CAST IN PLACE BOX SEE 4
- 3. ALL PIPES INTO BOX SHALL BE GROUTED AND WATERTIGHT.
- 4. SUBMIT TO IRRIGATION COMPANY ENGINEER FOR APPROVAL ON FINAL DIMENSIONS ON REBAR REINFORCEMENT AND CONCRETE COMPONENTS.
- 5. PLACE STRUCTURE ON 6-INCHES OF IRRIGATION COMPANY ENGINEER APPROVED COMPACTED BEDDING.



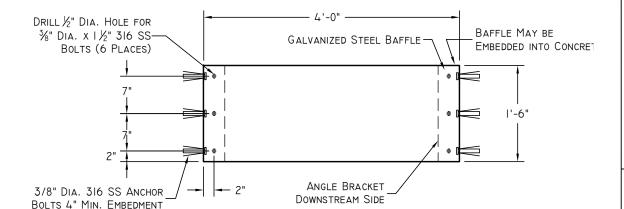


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FLOW TABLE Q=CW x H^2.5

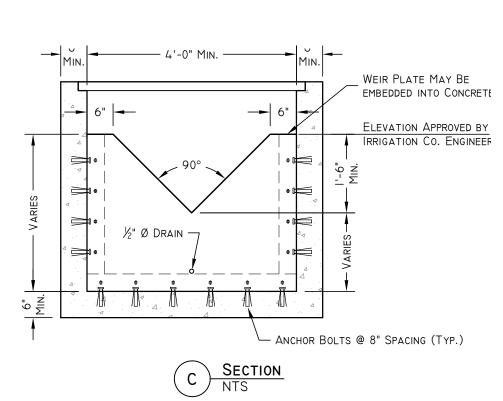
Cw	2.5
H (FT.)	Q (CFS)
0.20	0.04
0.30	0.12
0.40	0.25
0.50	0.44
0.60	0.70
0.70	1.02
0.80	1.43
0.90	1.92
1.00	2.50
1.10	3.17
1.20	3.94
1.30	4.82
1.40	5.80
1.50	6.89

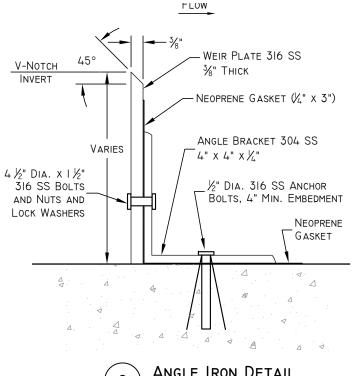


| BAFFLE PLATE DETAIL | NTS

Notes:

- I. IF BOX IS CAST IN PLACE, PUT #4 REBAR PLACED AT I2" O.C. E.W. IN STRUCTURE FLOOR AND WALLS MINIMUM.
- 2. DETAILS FOR CAST IN PLACE BOX SEE $\frac{2}{4}$.
- 3. ALL PIPES INTO BOX SHALL BE GROUTED AND WATERTIGHT.
- 4. SUBMIT TO IRRIGATION COMPANY ENGINEER FOR FINAL DIMENSIONS ON REBAR REINFORCEMENT AND CONCRETE COMPONENTS.
- 5. PLACE STRUCTURE ON 6-INCHES OF IRRIGATION COMPANY ENGINEER APPROVED COMPACTED BEDDING





2 ANGLE IRON DETAIL
NTS

7 of 10

TYPICAL DISTRICT & COMPAN TYPICAL DRAWINGS 90D V-NOTCH WEIR

DISTRICT

WEST FIGATION [

FIELD

