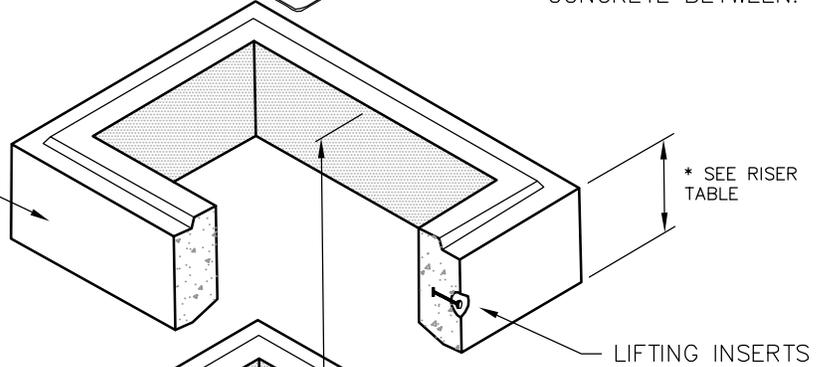
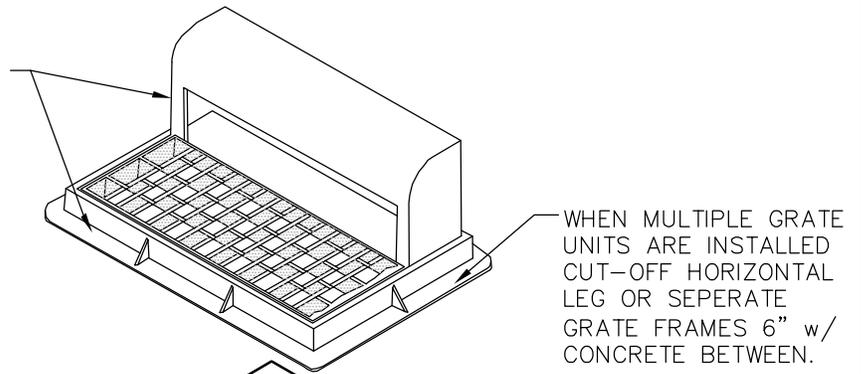


FRAME & GRATE  
(D&L SUPPLY I-3517 O.A.E.)

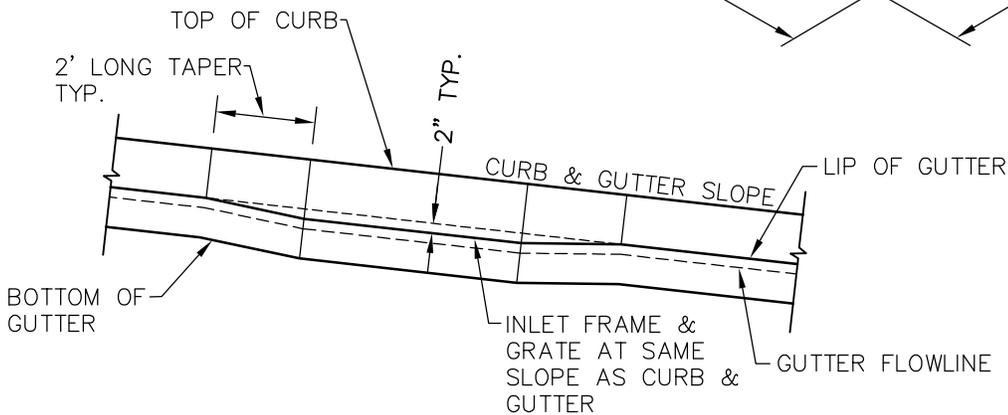
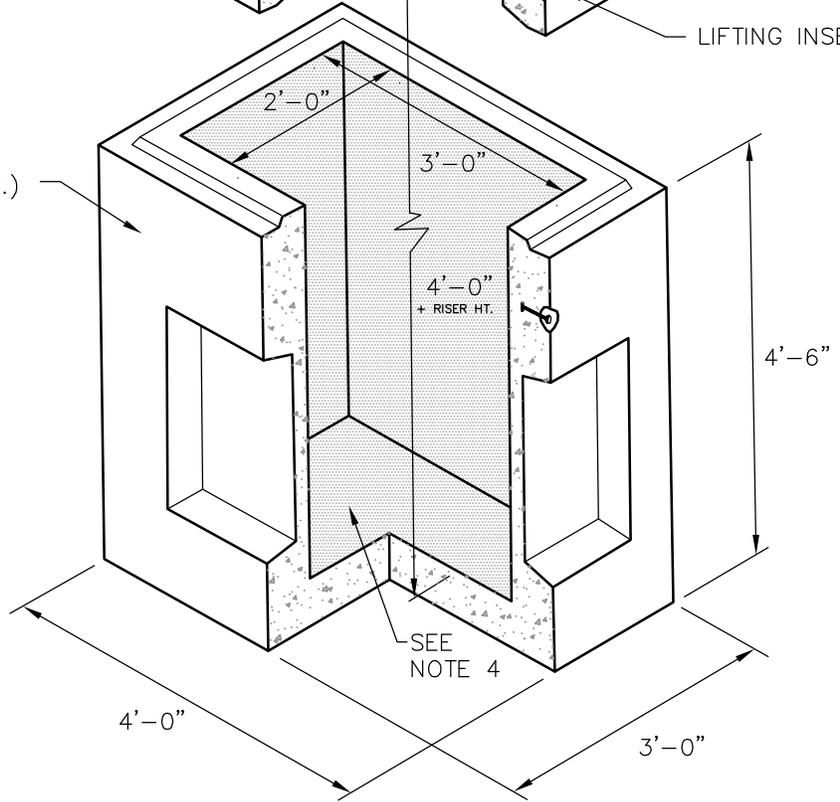
**NOTES:**

1. WHEN REQUIRED MULTIPLE UNIT ASSEMBLIES SHALL BE INSTALLED WITH A SINGLE CATCH BASIN ENLARGED ACCORDINGLY.
2. CAST IN PLACE BOXES MAY BE USED WHEN APPROVED BY THE CITY ENGINEER.
3. TOP OF INLET BOX GRATE TO BE RECESSED 2" LOWER THAN FLOWLINE OF GUTTER AS SHOWN IN DETAIL BELOW.
4. CONCRETE TROUGH FLOWLINE REQUIRED PER DETAIL D5 ON IN-LINE/FLOW THRU BOXES.
5. BOX & GRATE GRADE TO MATCH GRADE OF CURB AND GUTTER GRADE.
6. GRATE FRAME TO BE SET DIRECTLY ON TOP OF BOX OR TOP OF PRECAST CONCRETE GRADE RING AT THE ELEVATION 2" LOWER THAN FLOWLINE OF THE CURB AND GUTTER PER THE INLET RECESS DETAIL BELOW.

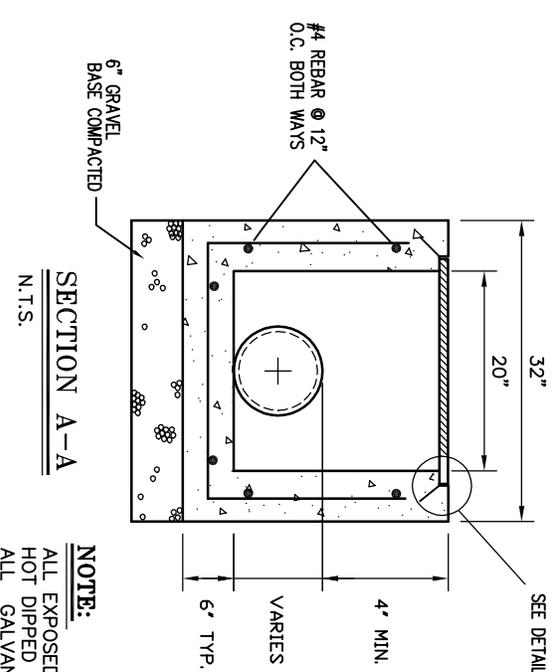
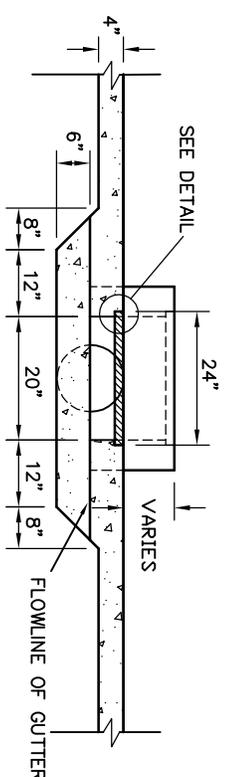
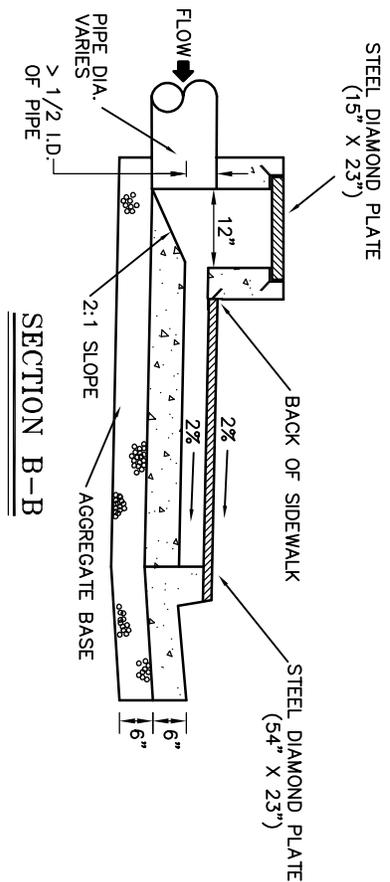
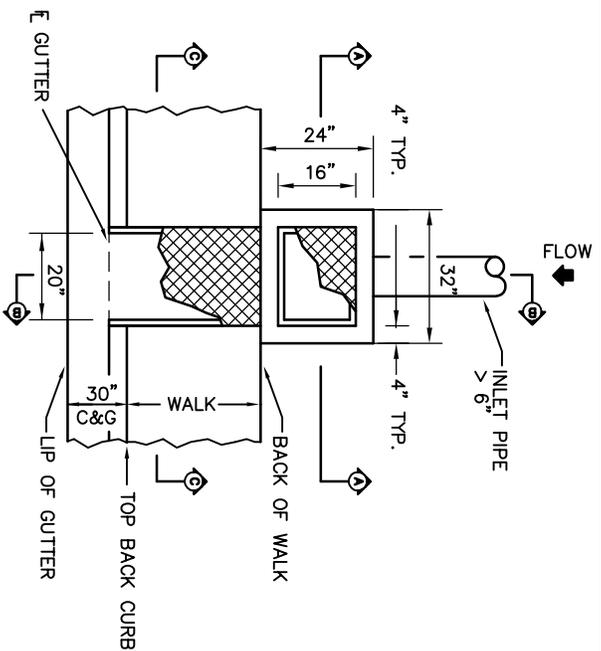


CATCH BASIN  
(AMCOR CB125 O.A.E.)

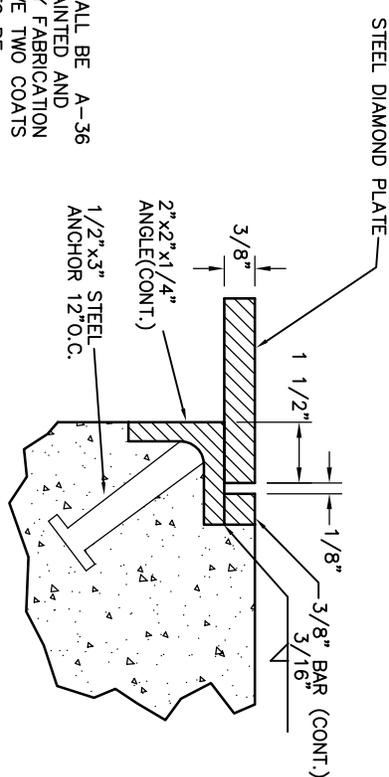
HEIGHT	RISER CODE	WEIGHT
1'	CB231R	930#
2'	CB232R	1860#
3'	CB233R	2790#

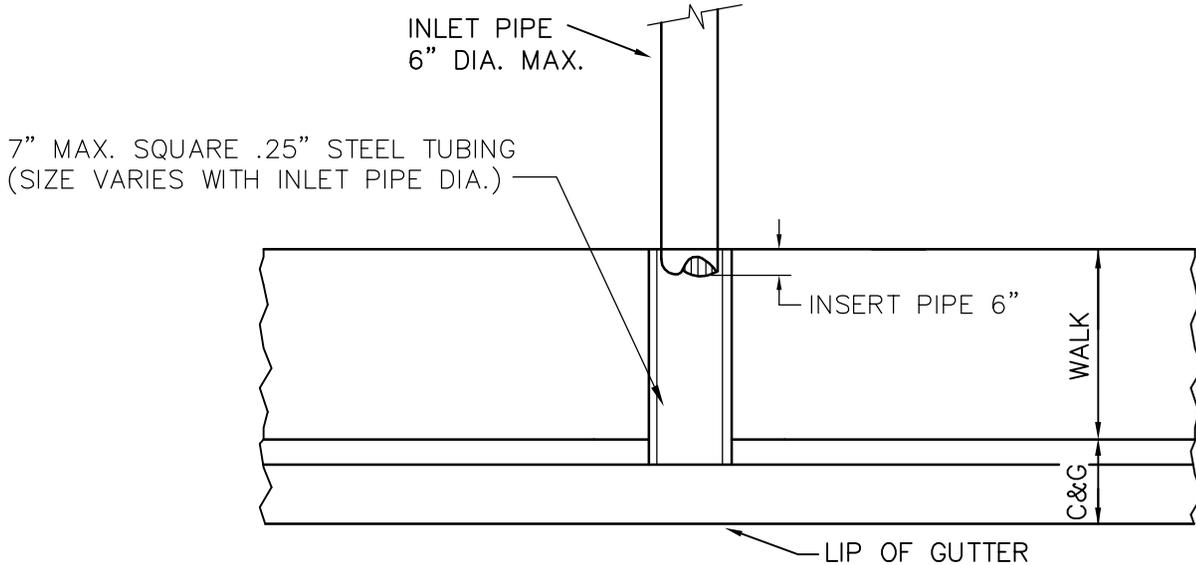


**INLET RECESS DETAIL**

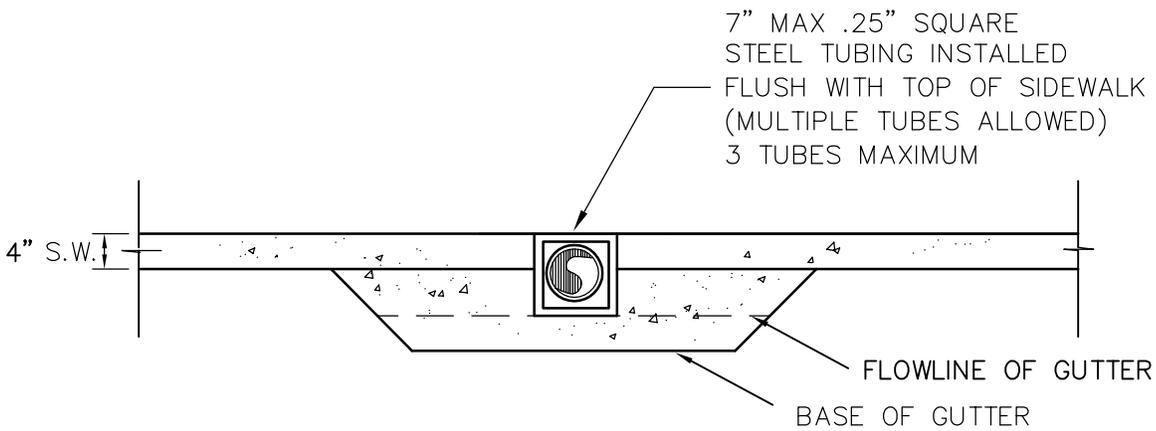


**NOTE:**  
ALL EXPOSED METAL PARTS SHALL BE A-36 HOT DIPPED GALVANIZED OR PAINTED AND ALL GALVANIZING DAMAGED BY FABRICATION OR INSTALLATION SHALL RECEIVE TWO COATS OF GALVANIZED PAINT (PAINT TO BE RUSTOLEUM GALVANIZING COMPOUND SPRAY OR EQUAL).





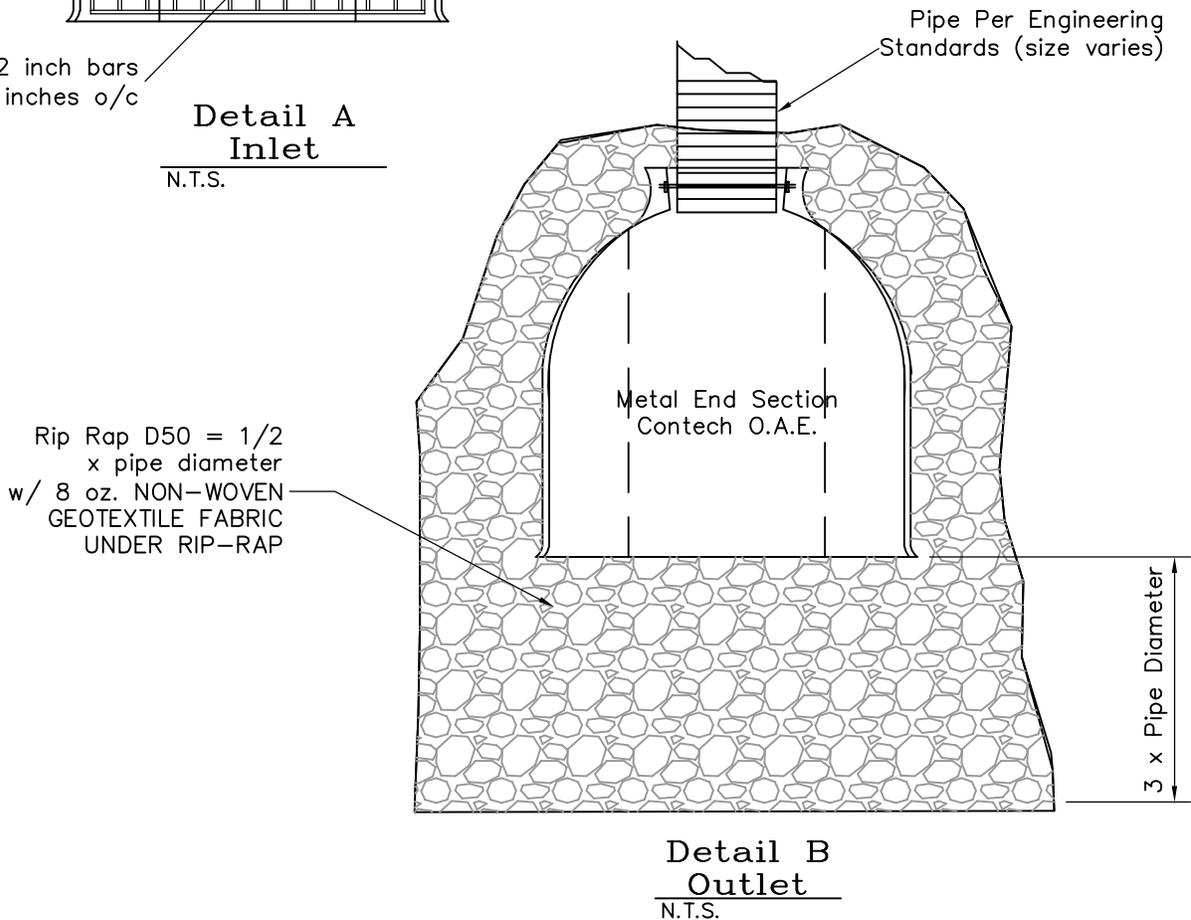
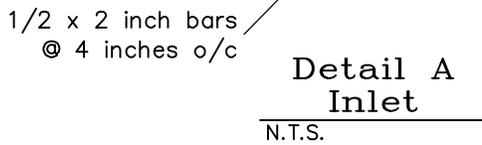
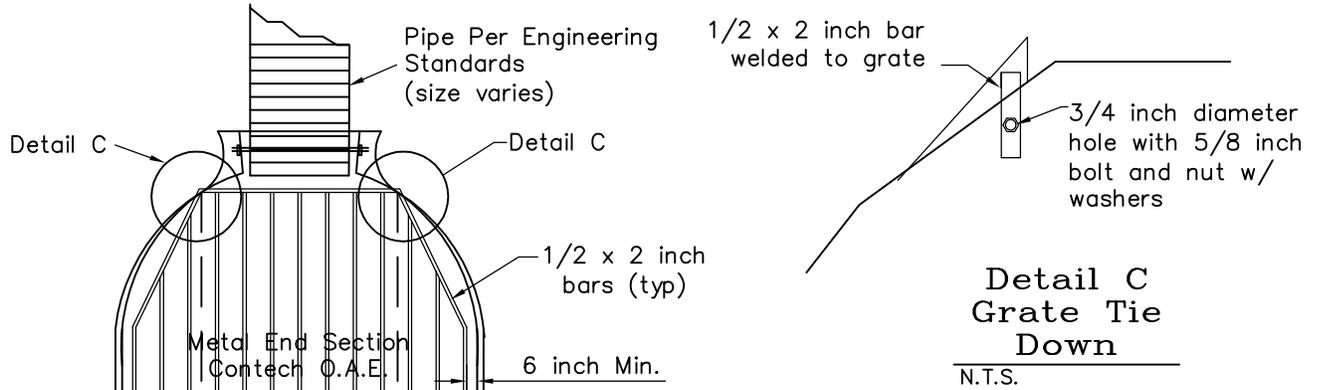
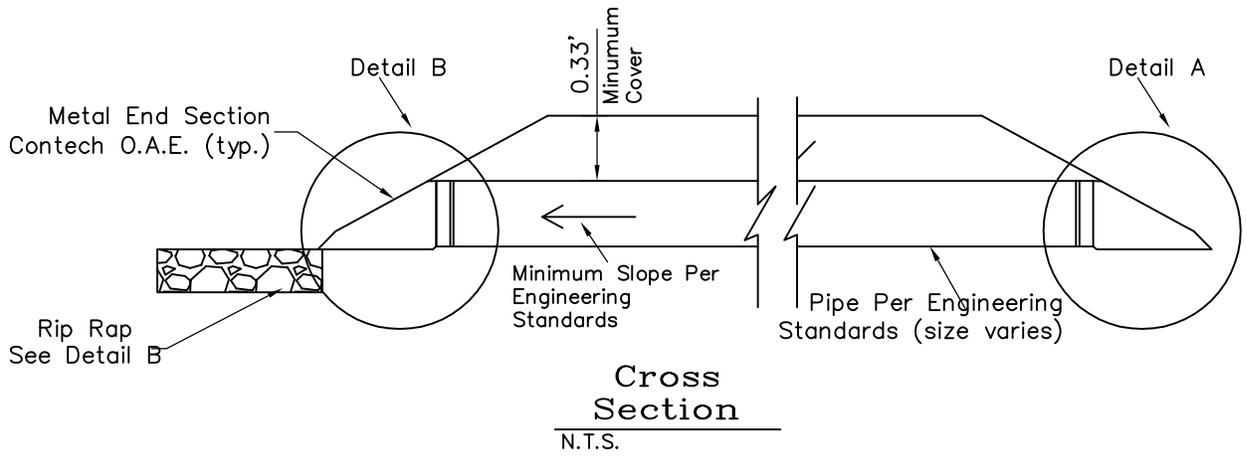
PLAN  
N.T.S.

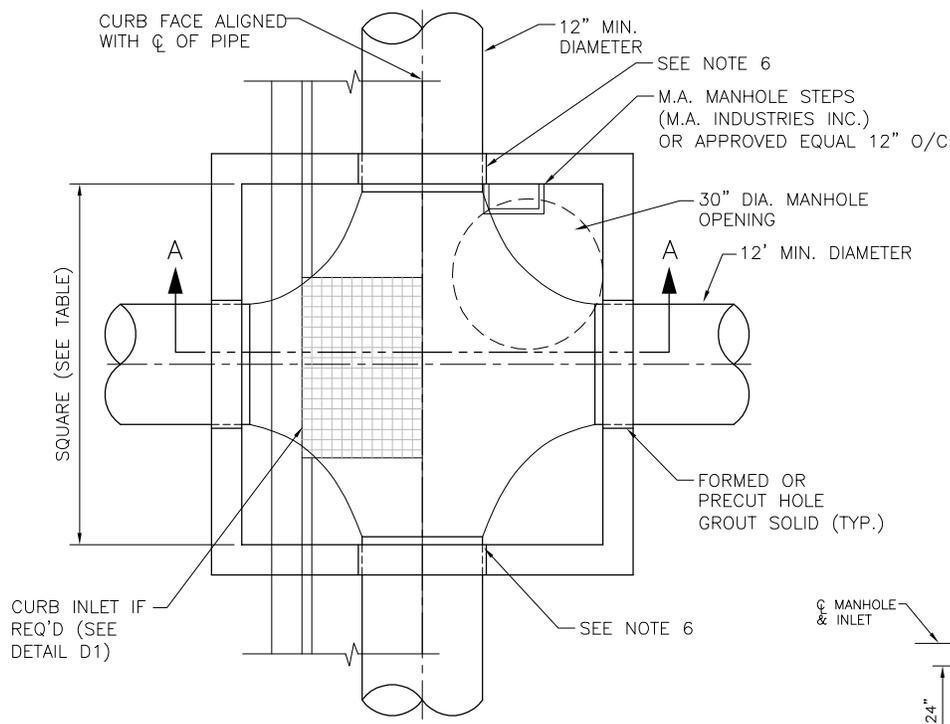


SECTION  
N.T.S.

**NOTE:**  
ALL EXPOSED METAL PARTS SHALL BE A-36 HOT  
DIPPED GALVANIZED OR PAINTED AND ALL  
GALVANIZING DAMAGED BY FABRICATION OR  
INSTALLATION SHALL RECEIVE TWO COATS OF  
GALVANIZED PAINT (PAINT TO BE RUSTOLEUM  
GALVANIZING COMPOUND SPRAY OR EQUAL)

SHEET NO. <b>D3</b>	SMALL CURB OUTLET BOX	CEDAR CITY 10 NORTH MAIN STREET CEDAR CITY, UTAH 84720 PH. (435) 586-2968	SCALE: N.T.S.	DATE: 8/2016
			DRAWN: T.B.M.	CHECKED: K.C.W.
FILE: D03				

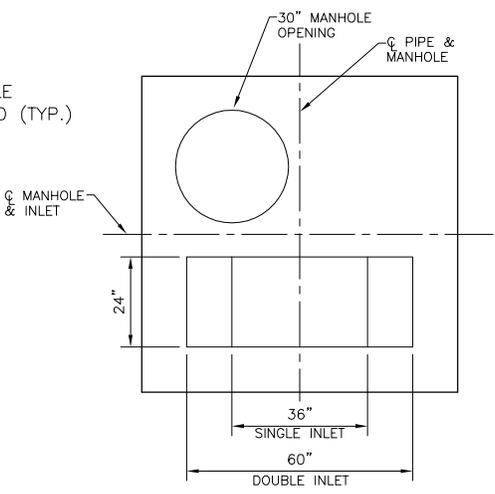




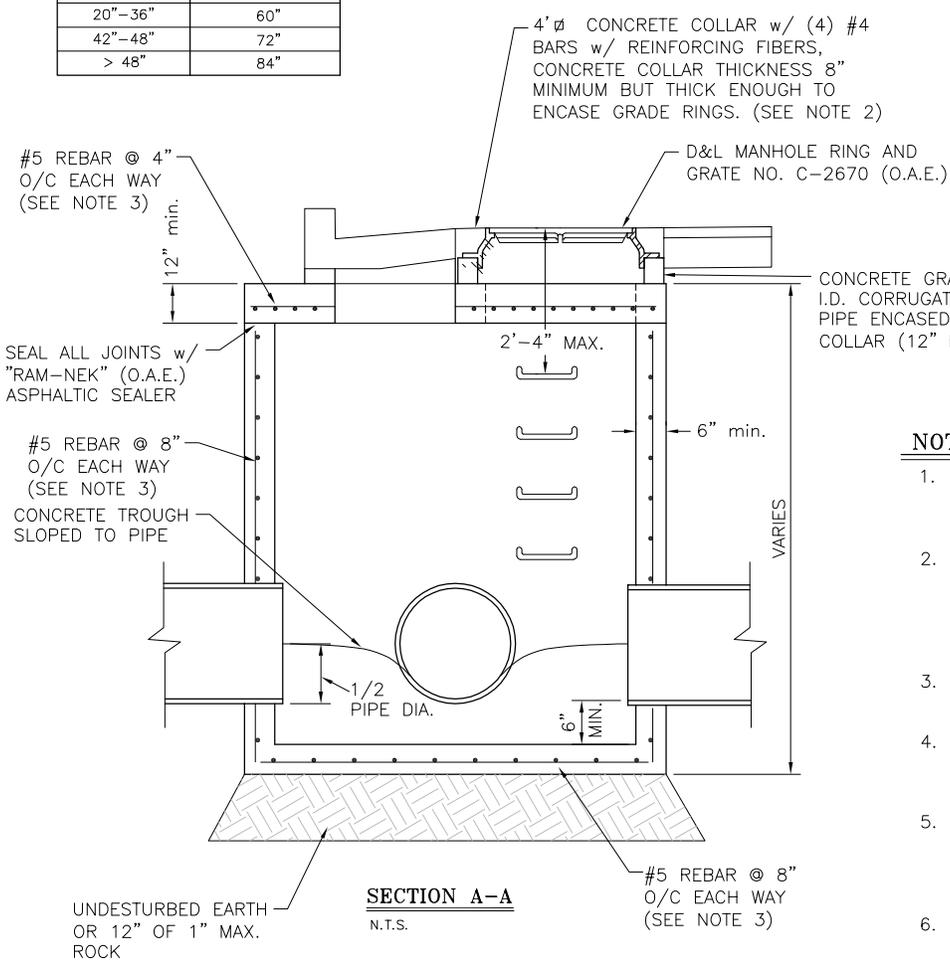
**PLAN**  
N.T.S.

PIPE DIAMETER	MANHOLE I.D. (SQ. INSIDE DIM.)
12"-18"	48"
20"-36"	60"
42"-48"	72"
> 48"	84"

SEE NOTE 1



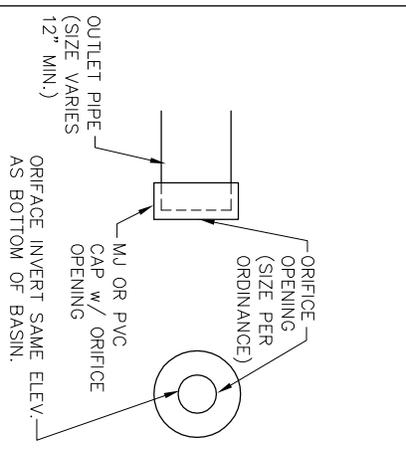
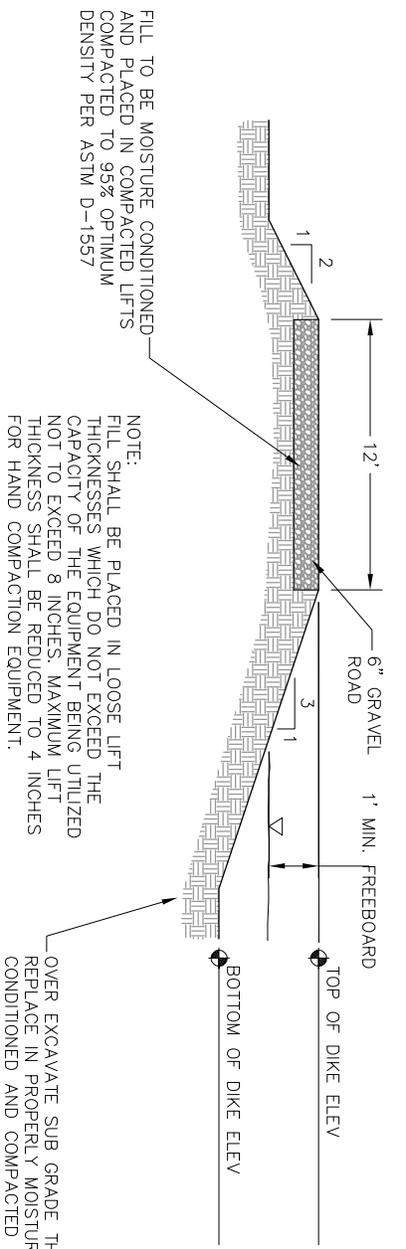
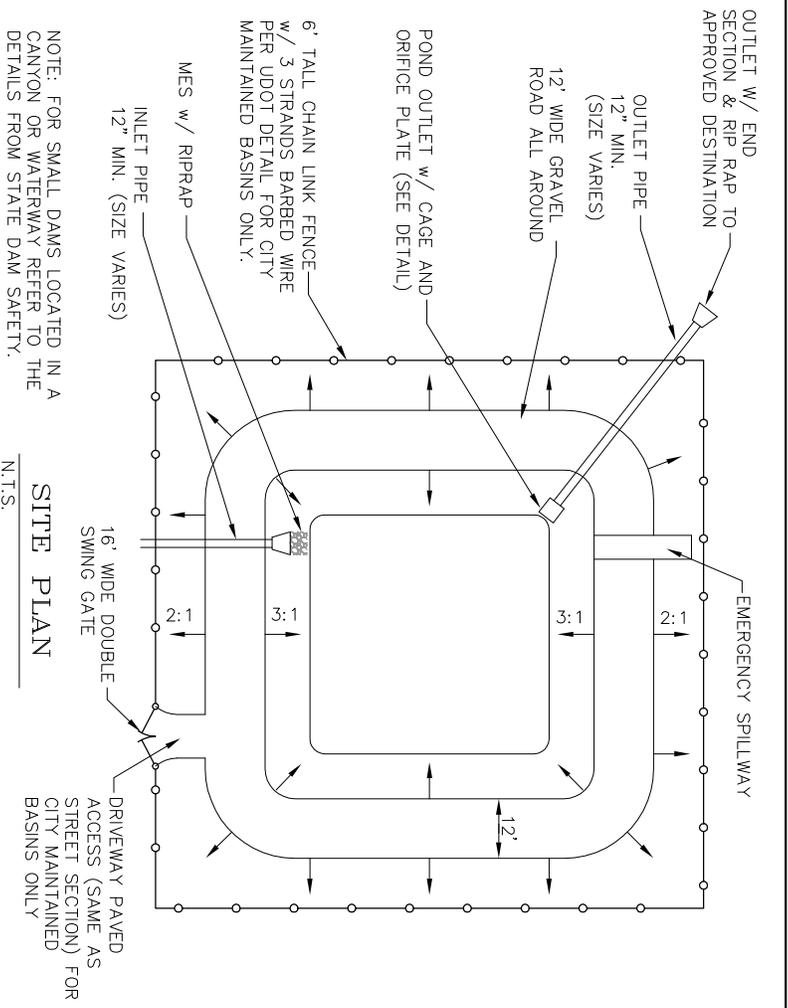
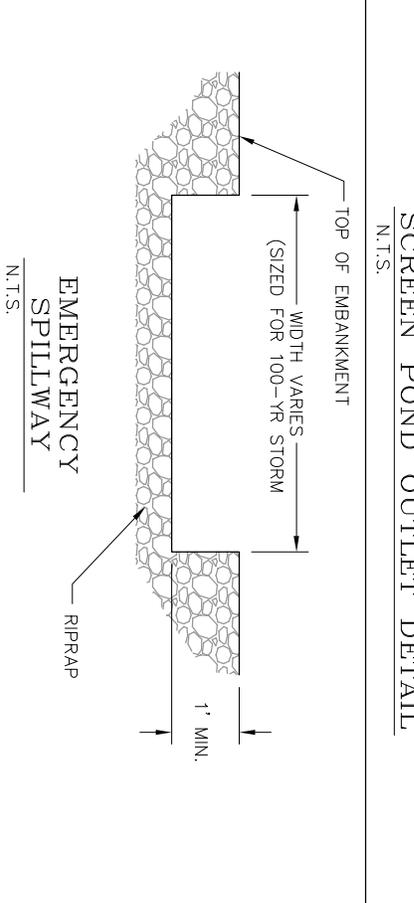
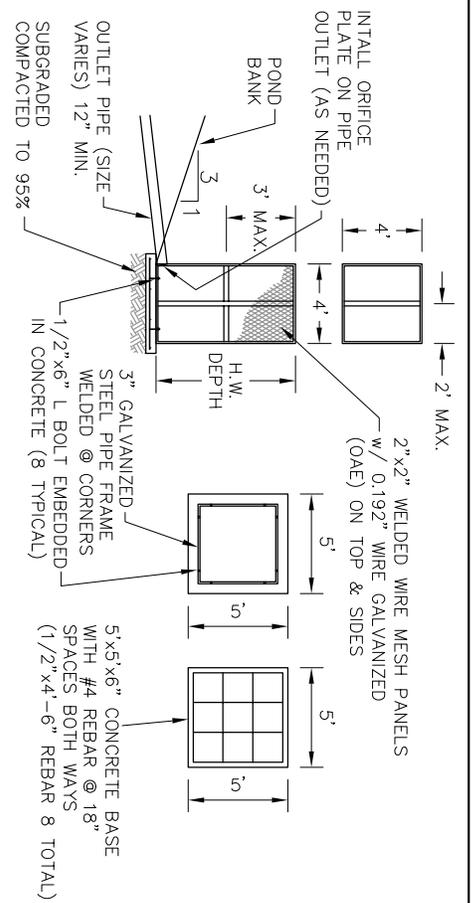
**CURB INLET CUT-OUT DETAIL**  
N.T.S.



**SECTION A-A**  
N.T.S.

**NOTE:**

1. CAN USE INLET BOX AS A MANHOLE FOR 12"-18" PIPE IF PLACED IN CURB PER DETAIL D1.
2. MANHOLES IN ROADWAYS REQUIRE CONC. COLLAR. MANHOLES IN UNIMPROVED AREAS SHALL BE SET 6 TO 12 INCHES ABOVE FINISH GRADE. (NO CONC. COLLAR REQ'D)
3. PRE-CAST MANHOLE TO HAVE H-20 LOAD RATING CERTIFICATION.
4. INSTALL NON-SHRINK GROUT BETWEEN ALL CONCRETE GRADE RINGS AND MANHOLE COVER RING.
5. MANHOLE LID, RING AND CONCRETE COLLAR TO BE CENTERED ON MANHOLE OPENING AND SET 1/4 INCH BELOW TOP OF ASPHALT.
6. MANHOLE INLET PIPE INVERT TO BE 0.20 FT HIGHER THAN OUT PIPE INVERT.



FILL TO BE MOISTURE CONDITIONED AND PLACED IN COMPACTED LIFTS AND COMPACTED TO 95% OPTIMUM DENSITY PER ASTM D-1557

NOTE: FILL SHALL BE PLACED IN LOOSE LIFT THICKNESSES WHICH DO NOT EXCEED THE CAPACITY OF THE EQUIPMENT BEING UTILIZED NOT TO EXCEED 8 INCHES. MAXIMUM LIFT THICKNESS SHALL BE REDUCED TO 4 INCHES FOR HAND COMPACTION EQUIPMENT.

NOTE: FOR SMALL DAMS LOCATED IN A CANYON OR WATERWAY REFER TO THE DETAILS FROM STATE DAM SAFETY.

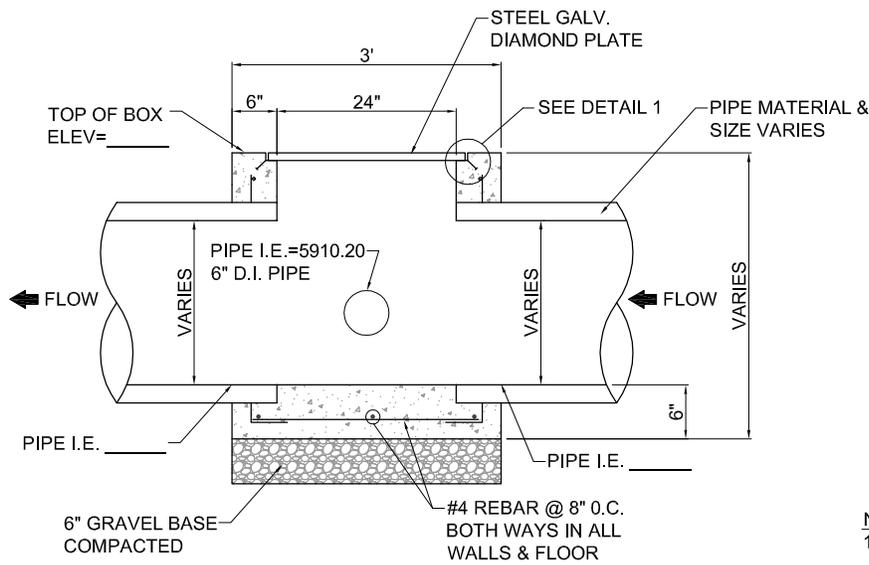
MINIMUM AMOUNT OF ACREAGE SERVED BY A DETENTION POND = 160 ACRES

SHEET NO. D6  
FILE: D06

DETENTION BASIN

CEDAR CITY  
10 NORTH MAIN STREET  
CEDAR CITY, UTAH 84720  
PH. (435) 586-2963

SCALE: N.T.S.	DATE: 8/2016
DRAWN: T.B.M.	CHECKED: K.C.W.

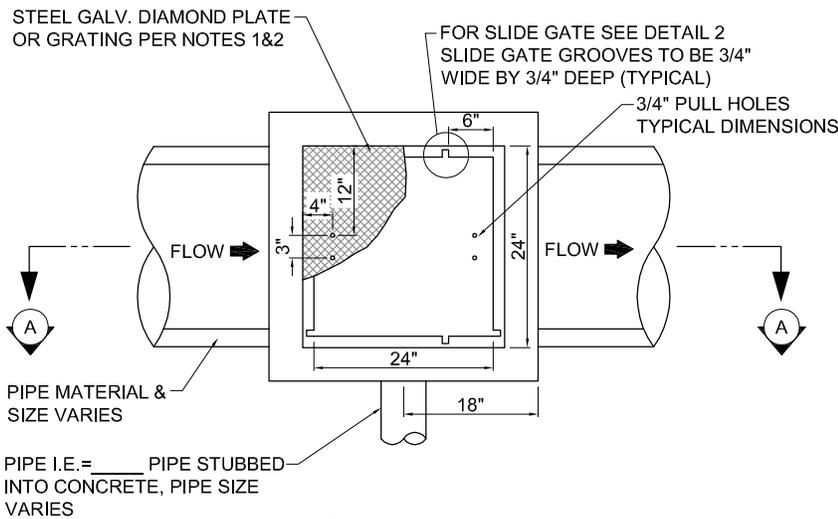


**SECTION A-A**

N.T.S.

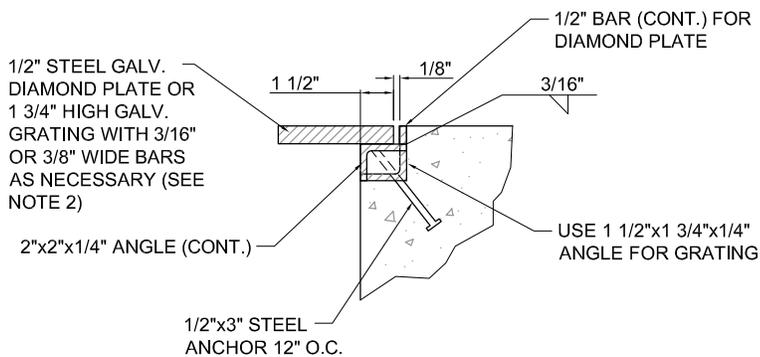
**NOTES:**

1. ALL EXPOSED METAL PARTS SHALL BE A-36 GALVANIZED STEEL AND ALL GALVANIZING DAMAGED BY FABRICATION OR INSTALLATION SHALL RECEIVE TWO COATS OF ALUMINUM PAINT (GALVONOX OR EQUAL).
2. GRATING WITH 1 3/4" x 3/16" BARS AND DIAMOND PLATE SHALL ONLY BE USED IN SIDEWALKS.



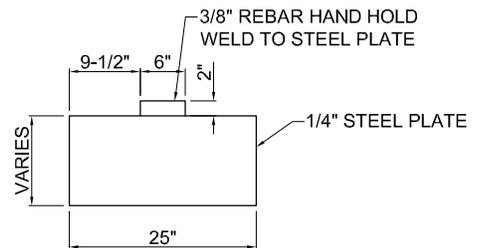
**PLAN VIEW**

N.T.S.



**DETAIL 1**

N.T.S.



**DETAIL 2**

N.T.S.