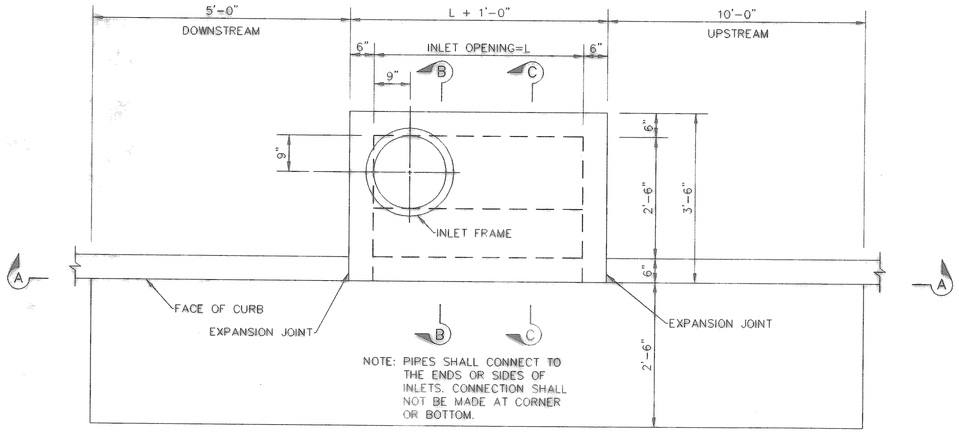
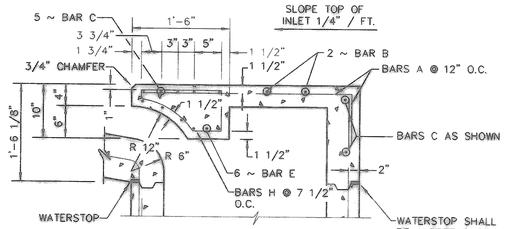
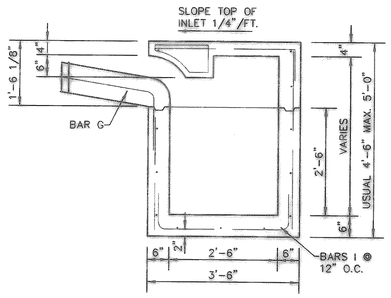


PLAN - STANDARD INLET

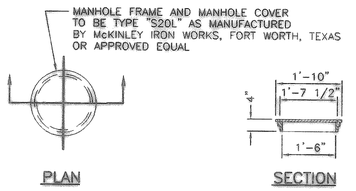
CURB INLET DETAILS



SECTION "C-C"
NOT TO SCALE



SECTION "B-B"
NOT TO SCALE



INLET MANHOLE FRAME AND COVER
NOT TO SCALE

NOTES:
1. SLOPE THE BOTTOM OF THE INLET TOWARDS THE PIPE OPENING AT MINIMUM RATE OF 1/2" PER FOOT.
2. CONCRETE SHALL BE 4200 PSI CONCRETE (THD SPECIFICATION ITEM 421).
3. LATERAL MAY ENTER INLET ON ANY SIDE.
4. PRECAST INLETS PERMITTED.

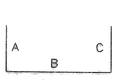
NOTE:
ALL STRUCTURE CONCRETE TO BE 4200 PSI CONCRETE MIX

REINFORCING STEEL SCHEDULE

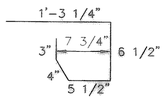
DIMENSIONS SHOWN ARE FOR MAX. SIZE INLETS

INLET LENGTH L	BAR TYPE	BAR DIA. (1/8")	NO. REQD.	BAR DIMENSIONS A	B	C
6 FT.	A	3	9	3'-2"	0'-3"	---
	B	3	1	4'-10"	---	---
	C	4	15	6'-8"	0'-6"	---
10 FT.	D	4	5	4'-8"	---	---
	F	4	1	3'-2"	---	---
	G	3	5	2'-0"	1'-3"	---
	H	3	3	*	*	*
	N	3	3	3'-2"	3'-2"	3'-2"

* SEE DIAGRAM FOR DIMENSIONS

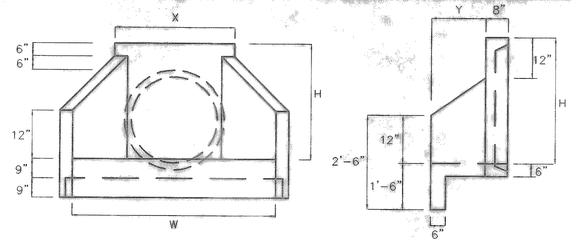


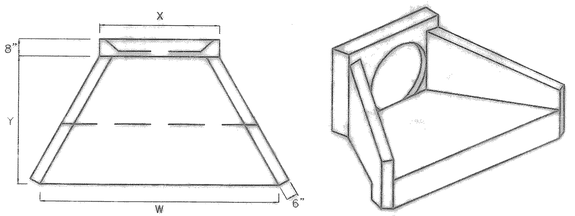
TYPICAL BAR BENDING



BAR H

REINFORCING DETAILS



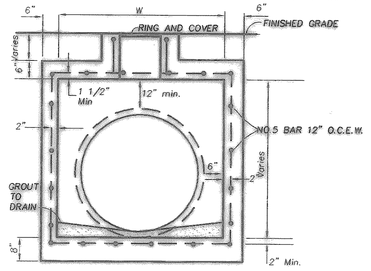


	X	H	Y	W	
HW18	2'-11"	2'-6"	2'-0"	4'-7/8"	FOR 12",15",18" RCP WT. 3000#
HW24	3'-6"	3'-0"	3'-0"	5'-9 3/4"	FOR 21",24" RCP WT. 5000#
HW30	4'-8"	4'-0"	4'-0"	7'-6""	FOR 27",30" RCP WT. 8000##
HW36	4'-8"	4'-6"	6'-0"	9'-0"	FOR 33" ,36" RCP WT. 10,000#

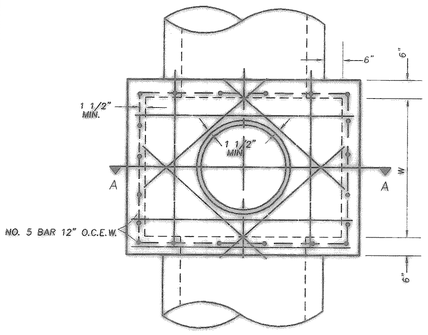
ALL EDGES CHAMFERED 3/4"

CONCRETE AND STEEL SPECIFICATIONS DESIGNED TO MEET TEXAS HIGHWAY DEPARTMENT STANDARDS

TYPE "B" HEADWALL
NOT TO SCALE

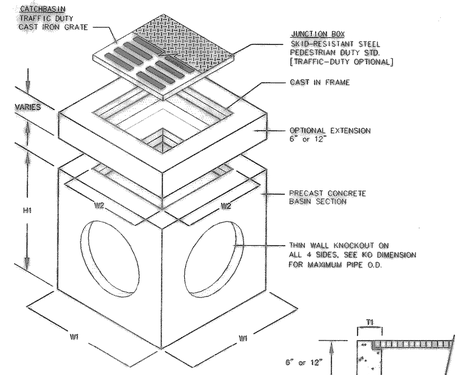


SECTION A-A
Not To Scale



STORM SEWER JUNCTION BOX DETAIL
Not To Scale

NOTES:
1. JUNCTION BOX FLOWLINE TO MATCH STORM SEWER FLOWLINE.
2. ALL STEEL TO BE GRADE 60, NO. 5 BAR 12" O.C.E.W. EACH FACE.
3. CONCRETE TO BE 4200 PSI, (6 1/2 SACK) 28 DAYS.
4. GROUT FLOOR TO DRAIN.
5. RING & COVER FOR JB4 TO BE NEENAH FOUNDRY NO. R-1915-D OR APPROVED EQUIVALENT.
7. RISER TO BE MONOLITHIC WITH JUNCTION BOX.



MODEL # CATCH BASIN	MODEL # JUNCTION BOX	DIMENSIONS W1	W2	H1	H2	T1	KO	CRATE SIZE	WEIGHT LBS
CB12 [1]	JB12	15"	18"	21"	18"	2"	10"	12"x12"x1"	150
CB18	JB18	24"	18"	34"	30"	4"	15"	18"x18"x1"	1,000
CB20	JB20	26"	18"	34"	30"	4"	17"	20"x20"x1"	1,335
CB24	JB24	32"	22"	41"	36"	5"	22"	24"x24"x2"	2,245
CB27	JB27	37"	25"	42"	36"	6"	24"	27"x27"x2"	2,875
CB30	JB30	42"	30"	42"	36"	6"	30"	32"x32"x2"	3,675
CB36	JB36	48"	36"	54"	48"	6"	32"	36"x36"x2"	4,585

1. CB12 CATCHBASIN IS RATED FOR PEDESTRIAN LOADING. ALL OTHERS ARE TRAFFIC DUTY.
2. ALL JUNCTION BOXES SHALL BE STANDARD TRAFFIC DUTY.

PRECAST CONCRETE CATCHBASIN / JUNCTION BOX 18" THRU 36"
NOT TO SCALE

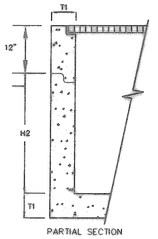
SPECIFICATIONS

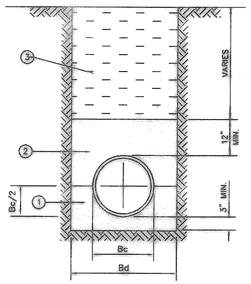
CONCRETE : Class 1 concrete with of design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.

REINFORCEMENT: Grade 60 reinforced. Steel rebar conforming to ASTM A615 on required centers or equal.

C.I. CASTINGS: Cast iron frames and grates are manufactured of grey cast iron conforming to ASTM A48-76 Class 30.

ALL AREA DRAINS SHALL BE CB24 (24" X24")





① FINE GRADATION CRUSHED STONE - TOP LAYER IS TO BE PLACED TO GRADE TO PROVIDE UNIFORM SUPPORT OF PIPE BARREL. EXCAVATE BELL HOLES.

② SELECT MATERIAL FREE OF ROCKS, CLUMPS OR DEBRIS LARGER THAN 6" IN GREATEST DIMENSION. COMPACT TO 90% STANDARD PROCTOR DENSITY. UNDER STRUCTURES, ROADWAYS AND PAVEMENT, USE NON-GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY. (NO SAND PERMITTED ABOVE STONE)

③ SELECT MATERIAL FREE OF ROCKS, CLUMPS OR DEBRIS LARGER THAN 6" IN GREATEST DIMENSION. COMPACT TO 90% STANDARD PROCTOR DENSITY. UNDER STRUCTURES, ROADWAYS AND PAVEMENT, COMPACT TO 95% STANDARD PROCTOR DENSITY.

CLASS "B+" EMBEDMENT
NOT TO SCALE
ROOF DRAIN LINES AND STORM SEWER LINES

These Drawings have been modified to conform to the Construction Records.
Glenn Engineering Corporation
By L. Glenn Date: 2.23.04

STORM SEWER DETAILS
N.T.S.

GLENN ENGINEERING
PHONE 214-717-0113
100 DECKER COURT - SUITE 220
Fax 214-717-1229
IRVING, TEXAS 75062

DATE MAY 18, 2001
DRAWN BY R.HOWMAN
CHECKED RAH
COMM NO 1441-01-017
REVISED

ROCKWALL ELEMENTARY #9
ROCKWALL INDEPENDENT SCHOOL DISTRICT
ROCKWALL, TEXAS

FINAL PLANS FOR BIDDING AND CONSTRUCTION

STATE OF TEXAS · MIKE GLENN · 35059 · REGISTERED PROFESSIONAL ENGINEER

SHW Group Inc.
Architects + Engineers

SHEET NUMBER 1 OF 22

C 2.12

SET NUMBER

R:\ROCKISD\LAKEVIEW-SUMMIT NO9\BID-SET\LAKEVIEW-SUMMIT-9-Details-ALL.dwg, STORM SEWER DETAILS, 07/19/01 02:32:34 PM, 1:1, Rick-NT