

RUSHMORE PLAZA CIVIC CENTER PARKING LOT IMPROVEMENTS

PROJECT NO. IDP08-1722

RAPID CITY, SD

JULY 2008

RECEIVED

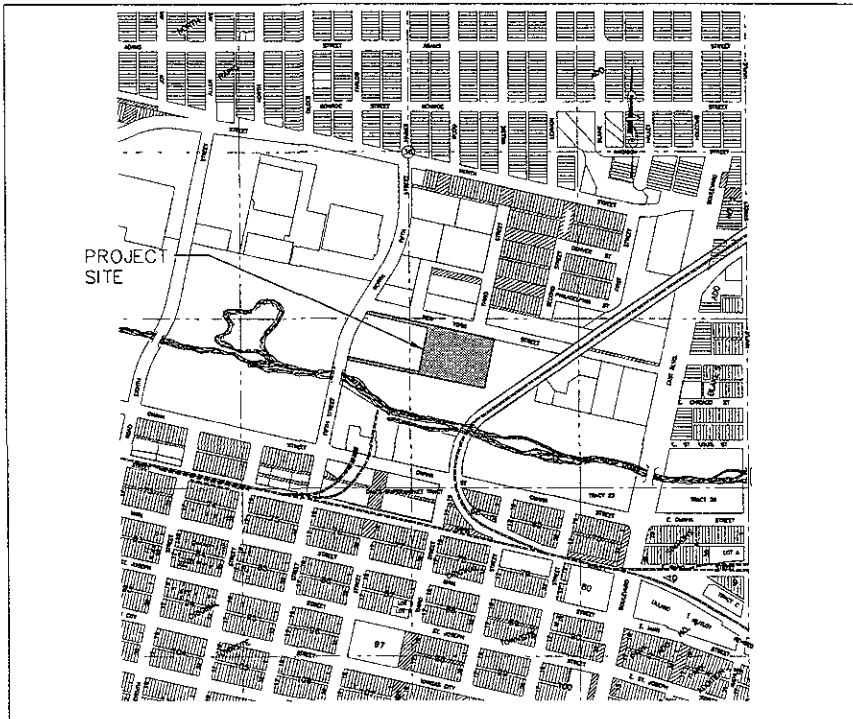
JUL 25 2008

Rapid City Growth
Management Department



NOT
FOR
CONSTRUCTION

File Number:
5040
Location:
31 1/2 SECTION 36
20, 21E, 22E
Submitted By: [Signature]
Date: 07/20/08
Designed by: [Signature]
Drawn by: [Signature]
Checked by: [Signature]



VICINITY MAP
SCALE 1" = 400'

LEGAL DESCRIPTION

TRACT 24 OF RAPID CITY GREENWAY TRACT, SECTION 36, T2N, R7E, BHM RAPID CITY, PENNINGTON COUNTY, SOUTH DAKOTA

DESCRIPTION OF PROJECT

500 NEW PARKING STALLS ARE PROPOSED TO BE CONSTRUCTED ON THE SITE. THE EXISTING BALL FIELD, INFIELD AND BACKSTOP ARE TO BE RELOCATED ONSITE

PLAN PREPARED FOR:

RUSHMORE PLAZA CIVIC CENTER BOARD
444 MT. RUSHMORE ROAD NORTH
RAPID CITY, SD 57701

CITY PROJECT MANAGER:

ROONEY K JOHNSON
PHONE (605)394-4154

INDEX OF SHEETS

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- C2 TOPOGRAPHIC MAP
- C3 DEVOLUTION PLAN
- C4 LAYOUT PLAN
- C5 GRADING PLAN
- C6 STORM SEWER PLAN
- C7 CIVIL SITE DETAILS
- C8 CIVIL SITE DETAILS

L1 of L1 LANDSCAPE PLAN

E1 of E1 ELECTRICAL PLAN

RUSHMORE PLAZA CIVIC CENTER
PARKING LOT IMPROVEMENTS
PROJECT NO. IDP08-1722
RAPID CITY, SD

Revision / Date

Sheet Name

TITLE
SHEET

Sheet Number

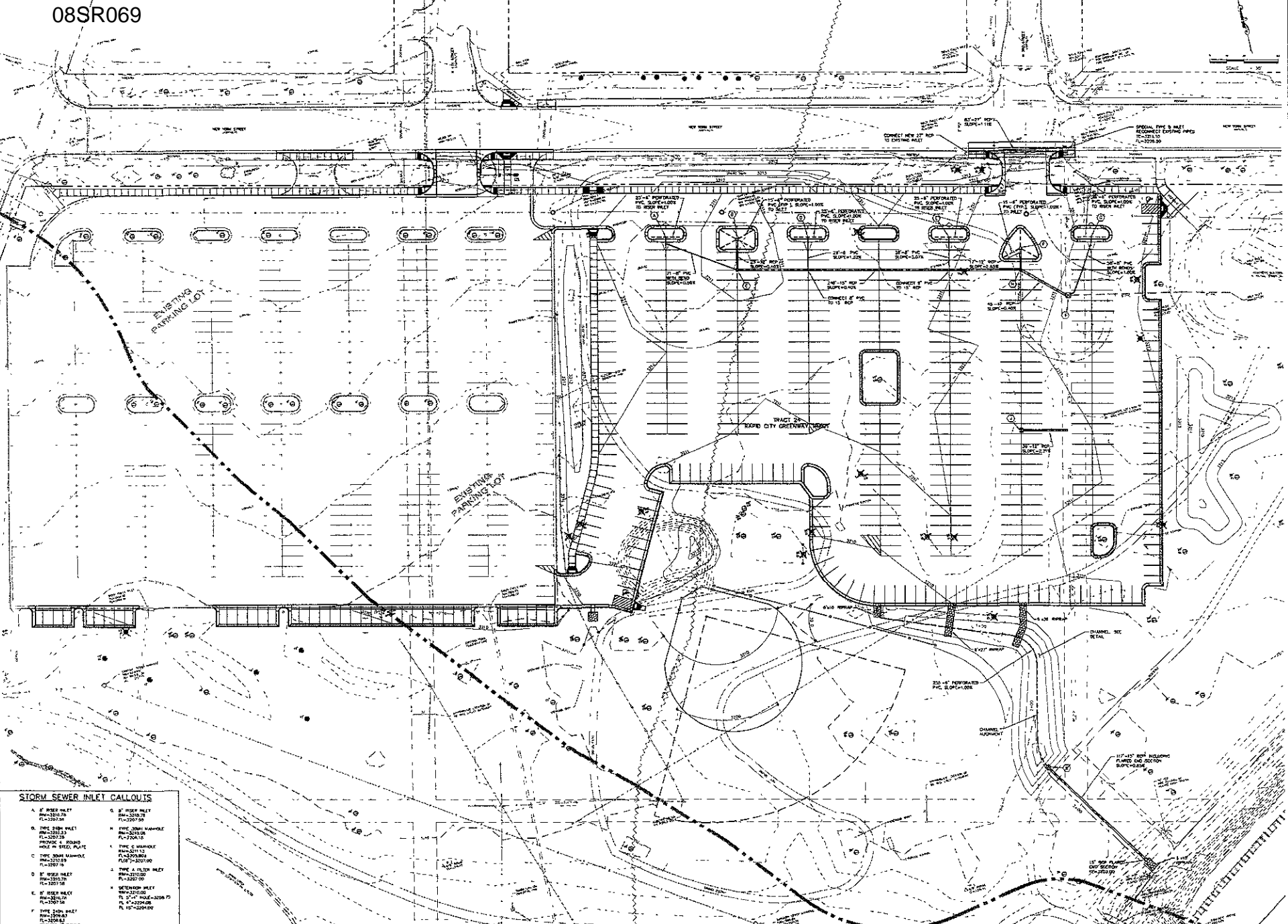


NOT
FOR
CONSTRUCTION

File Number: _____
 Location: _____
 Summary By: _____
 Date: _____
 Drawn By: _____
 Checked By: _____

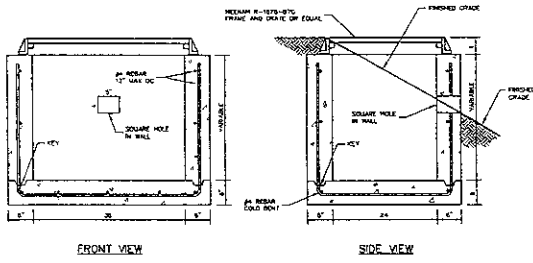
**RUSHMORE PLAZA CIVIC CENTER
 PARKING LOT IMPROVEMENTS**
 PROJECT NO. IDP08-1722
 RAPID CITY, SD

Sheet No. _____
 STORM
SEWER
PLAN

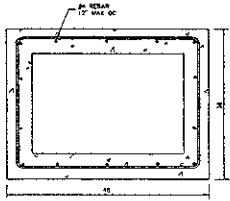


STORM SEWER INLET CALLOUTS

A. 6" Riser Inlet RWS-320750 FL=3207.50	G. 8" Riser Inlet RWS-3207.50 FL=3207.50
B. 18" Riser Inlet RWS-3207.50 FL=3207.50 PROVIDE 4" ROUND HOLE IN TRUCK PLATE	H. 18" Riser Inlet RWS-3207.50 FL=3207.50 PROVIDE 4" ROUND HOLE IN TRUCK PLATE
C. 18" Riser Inlet RWS-3207.50 FL=3207.50	I. 18" Riser Inlet RWS-3207.50 FL=3207.50 PROVIDE 4" ROUND HOLE IN TRUCK PLATE
D. 6" Riser Inlet RWS-3207.50 FL=3207.50	J. 18" Riser Inlet RWS-3207.50 FL=3207.50 PROVIDE 4" ROUND HOLE IN TRUCK PLATE
E. 6" Riser Inlet RWS-3207.50 FL=3207.50	K. 18" Riser Inlet RWS-3207.50 FL=3207.50 PROVIDE 4" ROUND HOLE IN TRUCK PLATE
F. 18" Riser Inlet RWS-3207.50 FL=3207.50 PROVIDE 4" ROUND HOLE IN TRUCK PLATE	L. 18" Riser Inlet RWS-3207.50 FL=3207.50 PROVIDE 4" ROUND HOLE IN TRUCK PLATE

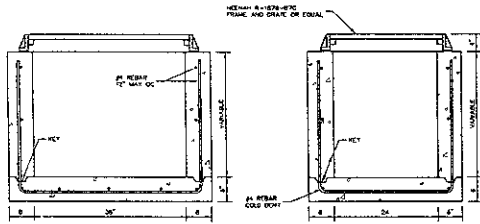


FRONT VIEW SIDE VIEW



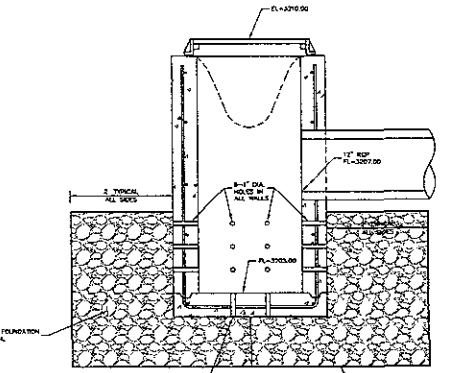
TOP VIEW

CONTRACTOR MEET IN ACCORDANCE WITH CITY OF RAPID CITY SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

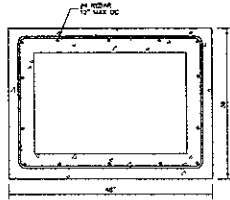
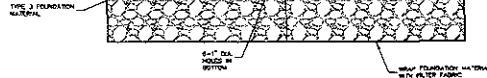


FRONT VIEW SIDE VIEW

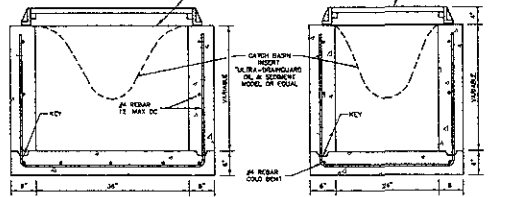
DETENTION INLET NOT TO SCALE



PLAN VIEW

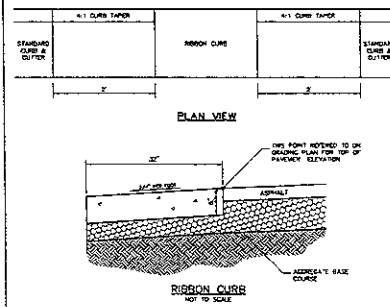


TOP VIEW

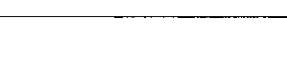


FRONT VIEW SIDE VIEW

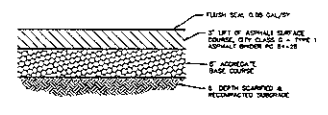
TYPE A FILTER INLET NOT TO SCALE



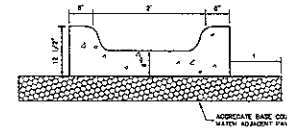
PLAN VIEW



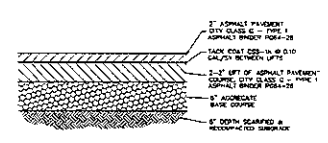
REBOND CURB NOT TO SCALE



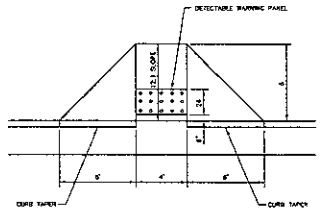
PARKING LOT ASPHALT PAVEMENT NOT TO SCALE



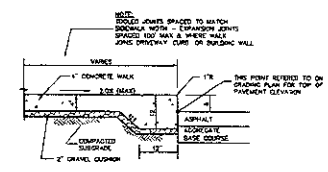
CONCRETE DRAIN PAN NOT TO SCALE



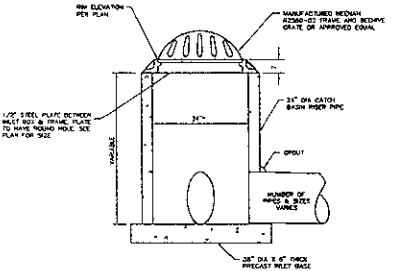
NEW YORK ST. ASPHALT PATCH NOT TO SCALE



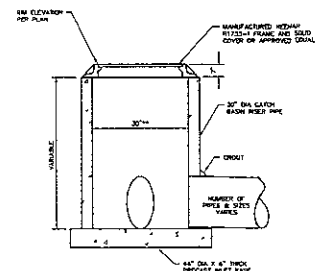
TYPE 2 CURB RAMP NOT TO SCALE



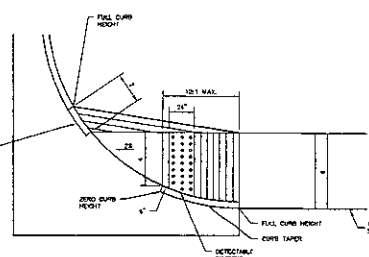
THICKENED EDGE SIDEWALK NOT TO SCALE



TYPE 24TH STORM SEWER INLET NOT TO SCALE



TYPE 30TH STORM MANHOLE NOT TO SCALE



TYPE 1 CURB RAMP NOT TO SCALE

NOT FOR CONSTRUCTION

File Number: 0802
 Location: 52 1/2" SECTION M
 Date: 2/11/08
 Surveyed By: J.M./J.P./J.T.
 Drawn By: J.M./J.P./J.T.
 Checked By: J.M./J.P./J.T.

Revision / Date

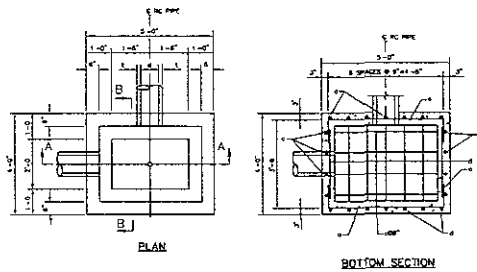
Sheet Name

CIVIL SITE DETAILS

Sheet Number

Horizontal Alignment Center and Curve Report
 Alignment: 08SR069
 Date: 05/04/11

Station	Station	Station	Station	Station
0+00	10+00	20+00	30+00	40+00
0+00	10+00	20+00	30+00	40+00
0+00	10+00	20+00	30+00	40+00
0+00	10+00	20+00	30+00	40+00
0+00	10+00	20+00	30+00	40+00
0+00	10+00	20+00	30+00	40+00
0+00	10+00	20+00	30+00	40+00
0+00	10+00	20+00	30+00	40+00
0+00	10+00	20+00	30+00	40+00
0+00	10+00	20+00	30+00	40+00
0+00	10+00	20+00	30+00	40+00



DROP INLETS FOR 12" TO 36" DIAMETER PIPE
 SCALE 1"=1'-0"

ESTIMATED QUANTITIES

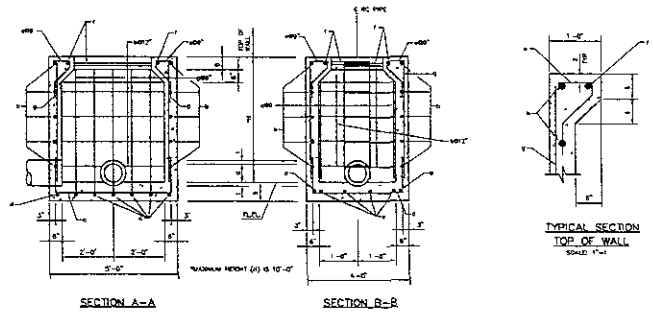
ITEM	UNIT	CONSTANT QUANTITY	VARIABLE QUANTITY
CLASS. CONC. (CONCRETE)	CU. YD.	0.72	0.22
REINFORCING STEEL	LB.	28.00	28.00
FORMWORK	SQ. YD.	0.28	0.28
STRUCTURE ERECTION	CU. YD.	0.00	0.00

PIPE DISPLACEMENT REDUCTIONS

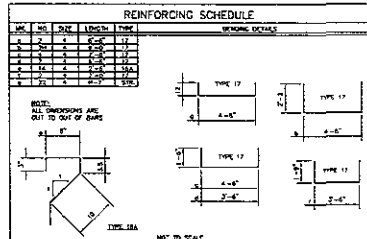
NO.	DI.	CLASS.	CONCRETE (INCHES)	STEEL (INCHES)
1	12"	CLASS. III	2.00	2.00
2	18"	CLASS. III	3.00	3.00
3	24"	CLASS. III	4.00	4.00
4	30"	CLASS. III	5.00	5.00
5	36"	CLASS. III	6.00	6.00

GENERAL NOTES

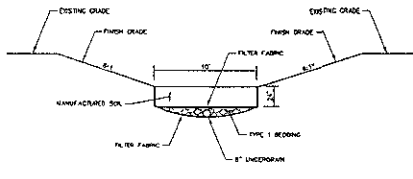
- 1. VERIFY TOTAL QUANTITIES OF CONCRETE BY THE AMOUNT OF CONCRETE REQUIRED BY THE PIPE. TOTAL QUANTITY OF CONCRETE TO BE ESTABLISHED TO THE NEAREST HUNDRETHS OF 1 CU. YD. TOTAL QUANTITY OF REINFORCING STEEL TO BE COMPARED TO THE NEAREST POUND.
- 2. DROP INLETS SHOWN MAY BE MODIFIED BY THE ADDITION OR DELETION OF CONNECTION OF PIPES AS SHOWN ON LISTS 11.
- 3. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60, LAP 1x AND BEND 1x MINIMUM. CUT AND BEND REINFORCING STEEL AS REQUIRED TO PLACE INSIDE TRUSS DROP INLET WALL.
- 4. PRECASTING OF REINFORCED DROP INLETS WILL BE NECESSARY PRIOR TO PRECASTING THE CONTRACTOR MUST OBTAIN DETAILS TO THE ENGINEER FOR APPROVAL.
- 5. MAXIMUM PIPE QUARTER SHOULD NOT EXCEED 30" ON THE 4" ROOT WIDE SIDE OF THE DROP INLET.



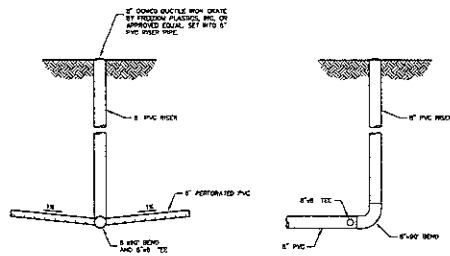
DROP INLETS FOR 12" TO 36" DIAMETER PIPE
 SCALE 1"=1'-0"



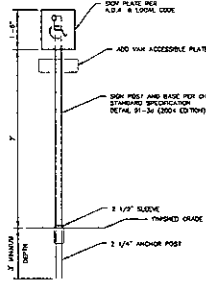
REINFORCED CONCRETE DROP INLET - SPECIAL TYPE B 4"x5"



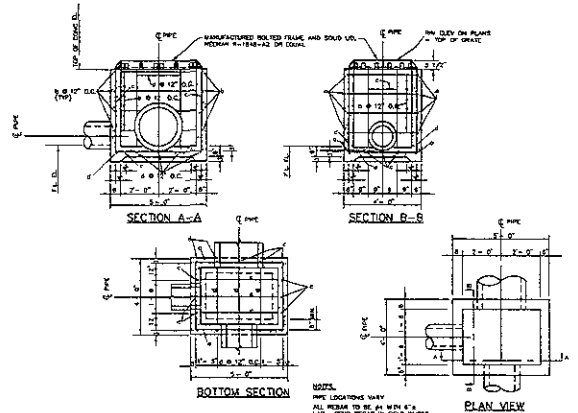
CHANNEL - TYPICAL SECTION
 NOT TO SCALE



FRONT VIEW
 SIDE VIEW
 6" RISER INLET
 NOT TO SCALE



HANDICAP SIGN
 NOT TO SCALE



TYPE "C" MANHOLE
 NOT TO SCALE



NOT FOR CONSTRUCTION

File Number: 08SR069
 Location: S. 17th Street, Rapid City, SD
 Date: 05/04/11
 Drawn By: J. J. [unreadable]
 Checked By: J. J. [unreadable]

