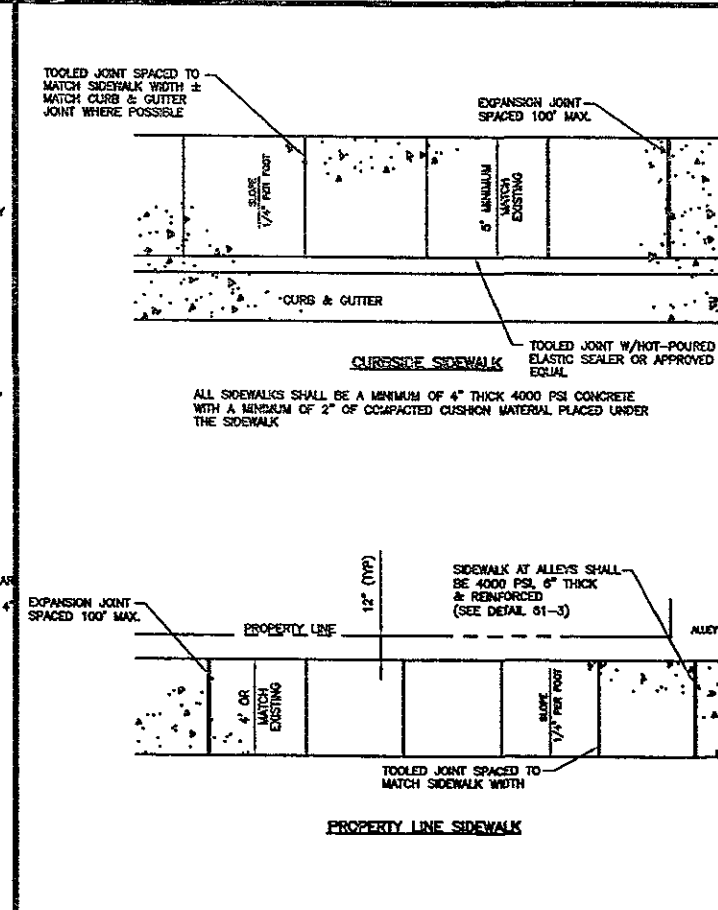
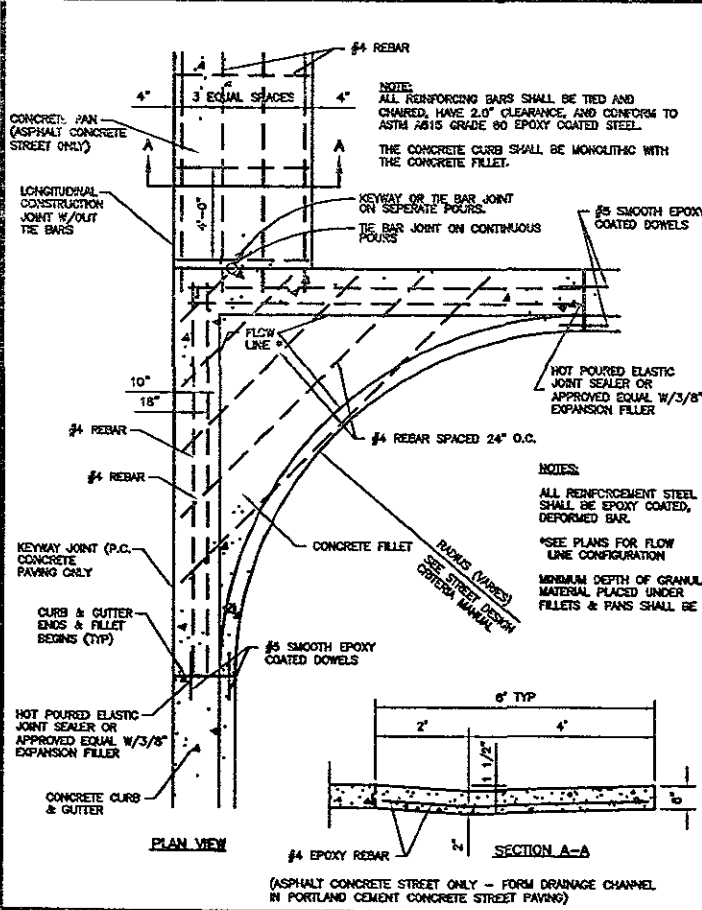


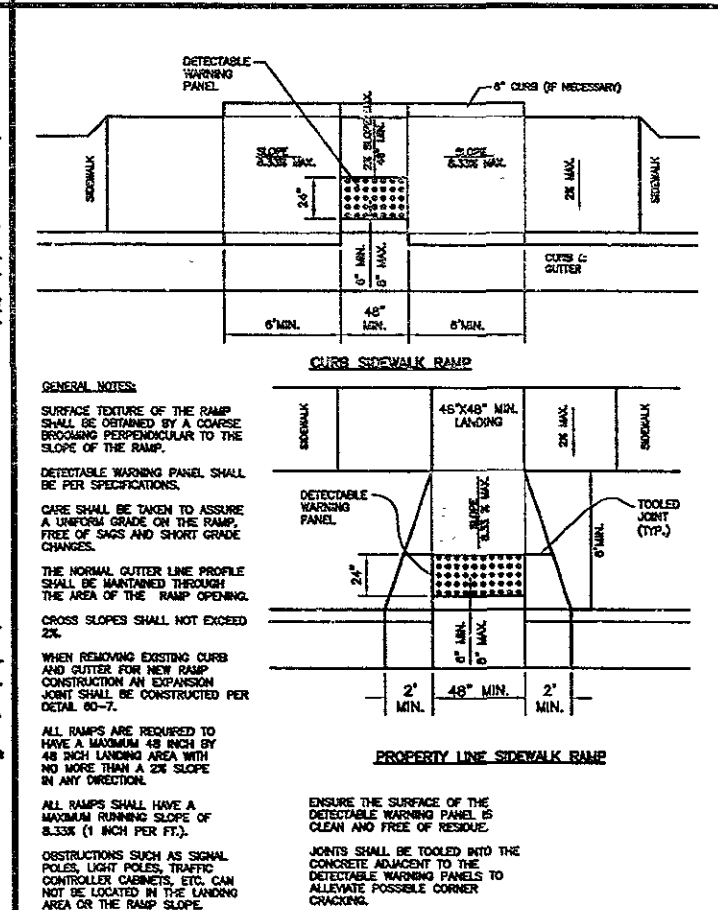
CITY OF RAPID CITY PUBLIC WORKS DEPARTMENT
TYPICAL TRENCH CHECK DAM DETAIL FOR WATER & SEWER MAINS
 DATE: 8-1-03
 SEC. 11-2 SHT. 2

CITY OF RAPID CITY PUBLIC WORKS DEPARTMENT
TRENCH DETAIL FOR WATER & SEWER MAIN
 DATE: 8-1-03
 SEC. 11-3 SHT. 3





CITY OF RAPID CITY PUBLIC WORKS DEPARTMENT
REINFORCED PORTLAND CEMENT CONCRETE FILLET & PAN
 DATE: 8-1-03
 SEC. 60-1 SHT. 1

CITY OF RAPID CITY PUBLIC WORKS DEPARTMENT
SIDEWALKS
 DATE: 8-1-03
 SEC. 61-2 SHT. 2



CITY OF RAPID CITY PUBLIC WORKS DEPARTMENT
HANDICAP ACCESS RAMPS
 DATE: 8-1-03
 SEC. 61-5 SHT. 5


CITY OF RAPID CITY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING SERVICES


 REGISTERED PROFESSIONAL ENGINEER
 REG. NO. 6046
STACEY P. TITUS
 SOUTH DAKOTA

Scale: 1" = 20'
 Designed By: _____ Drawn By: _____
 Design Date: _____ Print Date: _____
 Internal Job No. W08-1742
 Surveyed By: _____ Survey Date: _____
 Revisions: _____

SIXTH STREET WATER MAIN
 FRANKLIN ST. TO SAINT CHARLES ST.

CITY OF RAPID CITY PROJECT NO. W08-1742

Sheet Title:
RAPID CITY STANDARD DETAILS-1
 Sheet: **6 of 7**

ASPHALT PAVEMENT REMOVAL

STA 0+28, 5' LT TO STA 0+63, 14' RT TO 8' LT
REMOVE ASPHALT PAVEMENT, 38.3 SY

STA 0+73, 8' RT TO STA 0+90, 11' LT
REMOVE ASPHALT PAVEMENT, 5.7 SY

STA 3+02, 9' LT TO STA 3+12, 37' LT
REMOVE ASPHALT PAVEMENT, 31.1 SY

STA 3+97, 13' LT TO STA 4+19, 20' RT
REMOVE ASPHALT PAVEMENT, 14 SY

ABANDON WATER SERVICE LINE

STA 2+91
ABANDON CURB STOP W/BOX

STA 4+07, 2' LT
CUT OFF CORPORATION & REMOVE
PIPE FROM CORPORATION

WATER MAIN NOTES

STA 0+31 TO STA 0+33
F&I 6" PVC WATER MAIN, 2 LF

STA 0+31
F&I 6" TAPPING SLEEVE & VALVE W/BOX

STA 0+33
F&I 6"x8" INCREASER

STA 0+33 TO STA 4+07
F&I PROPOSED 8" PVC WATER MAIN

STA 4+07
F&I 8" TAPPING SLEEVE & VALVE W/BOX

CHECK DAM

STA 3+95

1" WATER SERVICE LINE CONNECTIONS

STA 1+64, RT, 5 LF
F&I 1" CURB STOP W/BOX

STA 2+75, 5' RT, 5 LF
F&I 1" CURB STOP W/BOX

STA 3+07, LT, 57 LF
F&I 1" CURB STOP W/BOX

SIDEWALK REMOVAL

STA 0+19, 6' LT TO STA 0+29, 1' LT, 38 SF
STA 0+66, 7' RT TO STA 0+85, 12' RT, 100 SF
STA 3+03, 37' LT TO STA 3+09, 46' LT, 36 SF
STA 3+90, 5' RT TO STA 4+13, 20' LT, 222 SF

CURB & GUTTER REMOVAL

STA 0+27, 3' LT TO STA 0+35, 14' RT, 19 LF
STA 0+66, 14' RT TO STA 0+90, 8' LT, 38 LF
STA 3+02, 7' LT TO STA 3+12, 4' 10 LT
STA 3+02, 40' LT TO STA 3+12, 40' 10 LT
STA 3+97, 7' LT TO STA 4+13, 20' RT, 36 LF

CONCRETE DRIVEWAY REMOVAL

STA 3+07, 4' LT TO STA 3+22, 5' RT
R&R CONCRETE DRIVEWAY, 15.3 SY

CONCRETE PAN REMOVAL

STA 0+63, 8' RT TO STA 0+73, 8' LT
R&R CONCRETE PAN, 6.5 SY

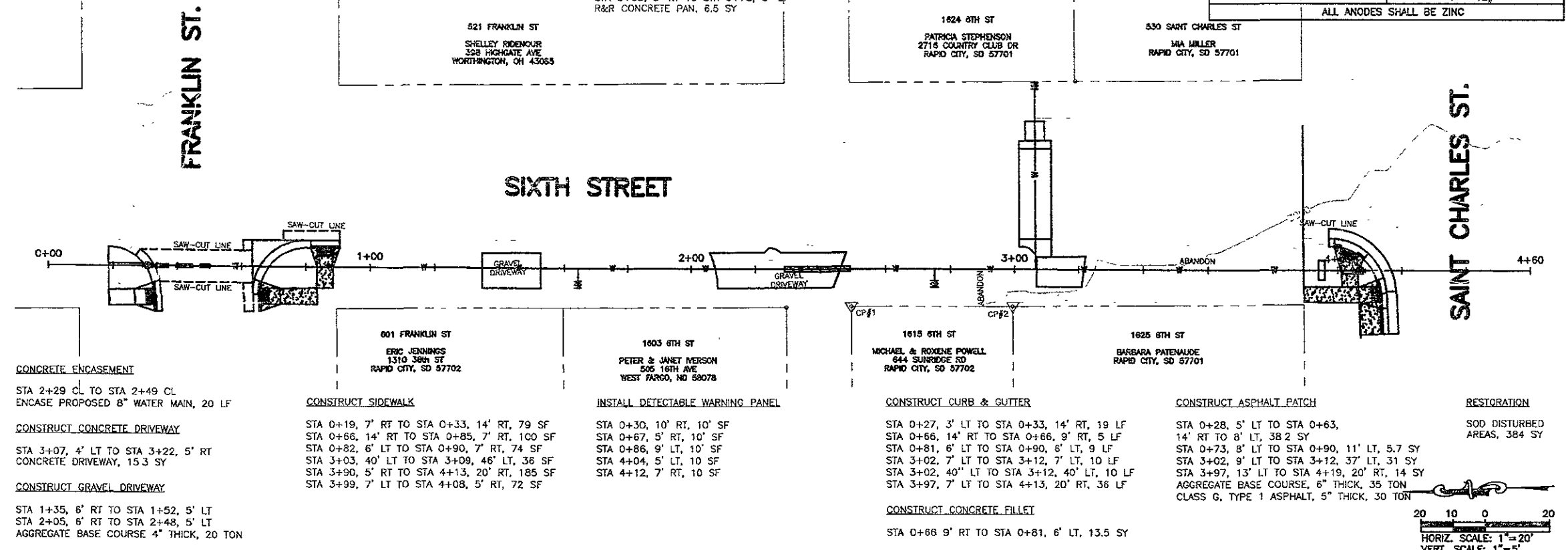
TREE REMOVAL

STA 1+70, 2' RT
REMOVE 18" TREE

STA 3+72 & STA 3+92
COORDINATE WITH OWNER WHO
WILL SALVAGE TREES

ANODE TABLE	
STATION & OFFSET	NUMBER & SIZE BAG
0+31 CL	1 - 18#
0+33 CL	1 - 18#
4+03 CL	1 - 18#
4+07 CL	1 - 18#

ALL ANODES SHALL BE ZINC



CONCRETE ENCASUREMENT

STA 2+29 CL TO STA 2+49 CL
ENCASE PROPOSED 8" WATER MAIN, 20 LF

CONSTRUCT CONCRETE DRIVEWAY

STA 3+07, 4' LT TO STA 3+22, 5' RT
CONCRETE DRIVEWAY, 15.3 SY

CONSTRUCT GRAVEL DRIVEWAY

STA 1+35, 6' RT TO STA 1+52, 5' LT
STA 2+05, 6' RT TO STA 2+48, 5' LT
AGGREGATE BASE COURSE 4" THICK, 20 TON

CONSTRUCT SIDEWALK

STA 0+19, 7' RT TO STA 0+33, 14' RT, 79 SF
STA 0+66, 14' RT TO STA 0+85, 7' RT, 100 SF
STA 0+82, 6' LT TO STA 0+90, 7' RT, 74 SF
STA 3+03, 40' LT TO STA 3+09, 46' LT, 36 SF
STA 3+90, 5' RT TO STA 4+13, 20' RT, 185 SF
STA 3+99, 7' LT TO STA 4+08, 5' RT, 72 SF

INSTALL DETECTABLE WARNING PANEL

STA 0+30, 10' RT, 10' SF
STA 0+67, 5' RT, 10' SF
STA 0+86, 9' LT, 10' SF
STA 4+04, 5' LT, 10 SF
STA 4+12, 7' RT, 10 SF

CONSTRUCT CURB & GUTTER

STA 0+27, 3' LT TO STA 0+33, 14' RT, 19 LF
STA 0+66, 14' RT TO STA 0+66, 9' RT, 5 LF
STA 0+81, 6' LT TO STA 0+90, 6' LT, 9 LF
STA 3+02, 7' LT TO STA 3+12, 7' LT, 10 LF
STA 3+02, 40' LT TO STA 3+12, 40' LT, 10 LF
STA 3+97, 7' LT TO STA 4+13, 20' RT, 36 LF

CONSTRUCT CONCRETE FILLET

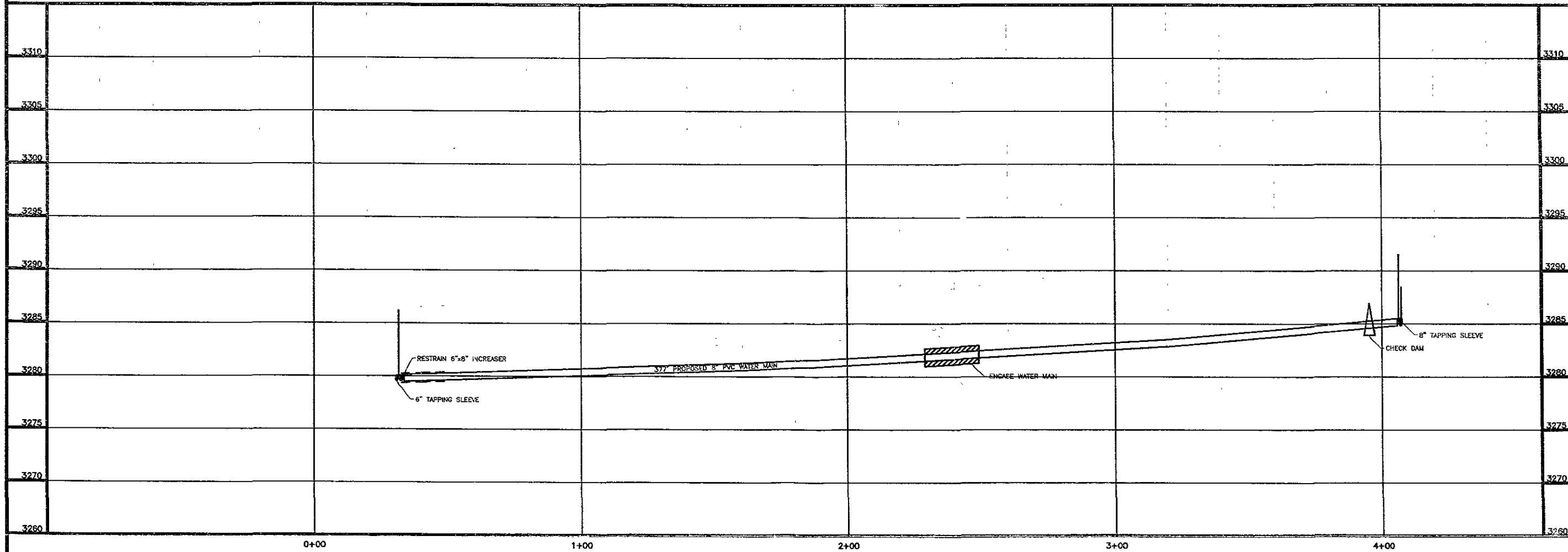
STA 0+66 9' RT TO STA 0+81, 6' LT, 13.5 SY

CONSTRUCT ASPHALT PATCH

STA 0+28, 5' LT TO STA 0+63, 14' RT TO 8' LT, 38.2 SY
STA 0+73, 8' LT TO STA 0+90, 11' LT, 5.7 SY
STA 3+02, 9' LT TO STA 3+12, 37' LT, 31 SY
STA 3+97, 13' LT TO STA 4+19, 20' RT, 14 SY
AGGREGATE BASE COURSE, 6" THICK, 35 TON
CLASS G, TYPE 1 ASPHALT, 5" THICK, 30 TON

RESTORATION

SOD DISTURBED
AREAS, 384 SY



CITY OF RAPID CITY
ENGINEERING SERVICES
PUBLIC WORKS DEPARTMENT



Scale: 1" = 20'
Design: J.E.J. Drawn By:
Design Date: Print Date:
Internal Job No: W08-1742
Surveyed By: Survey Date:
Revisions:

SIXTH STREET WATER MAIN
FRANKLIN ST. TO SAINT CHARLES ST.