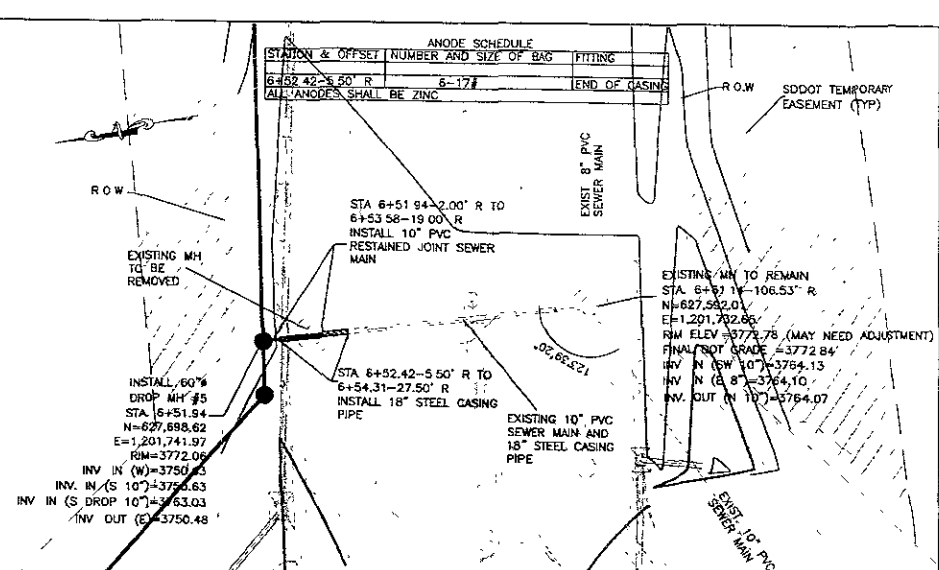
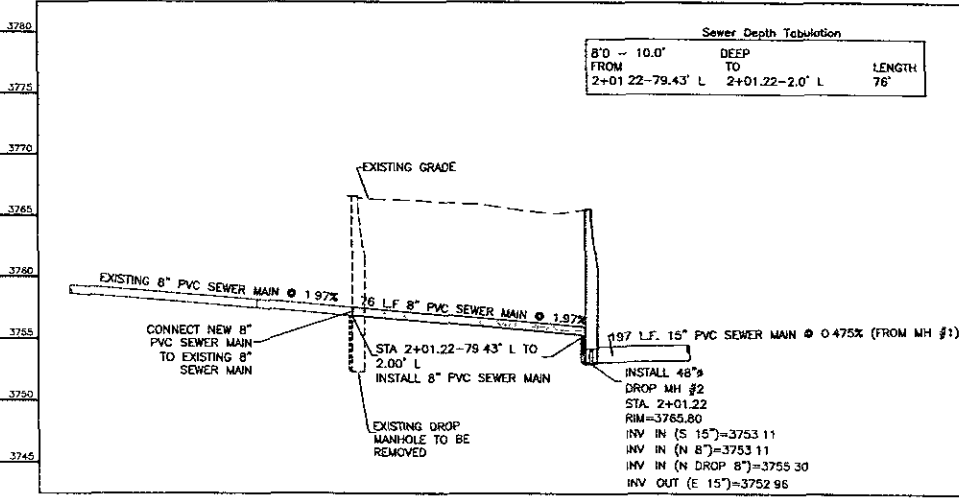


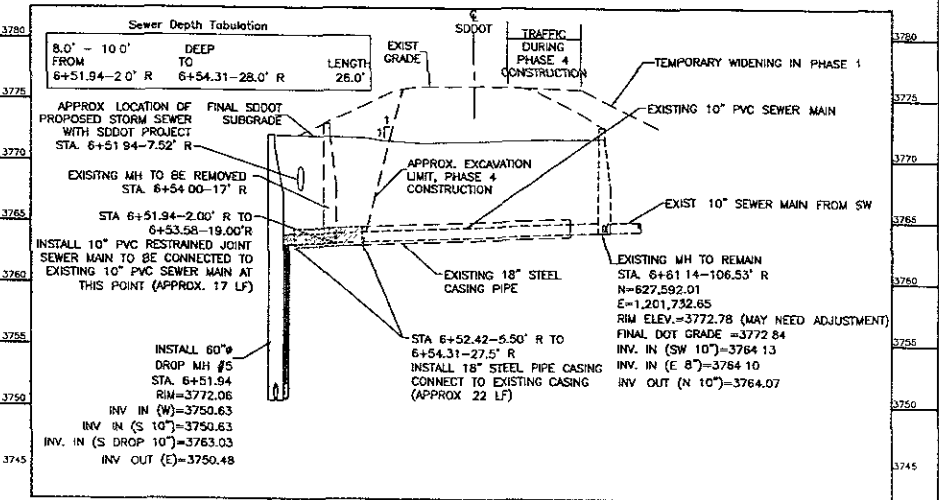
SEWER PLAN 2+01.22 L



SEWER CROSSING STA. 6+51.94 R PLAN

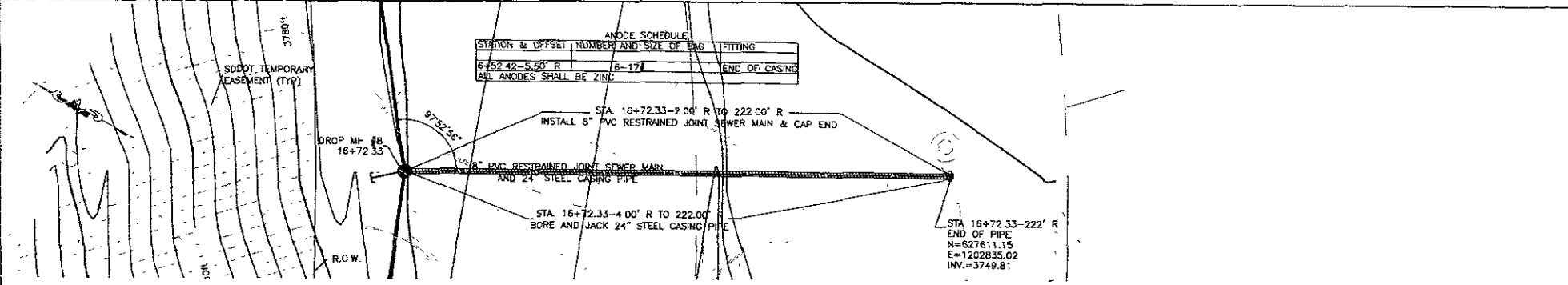


SEWER PROFILE 2+01.22 L

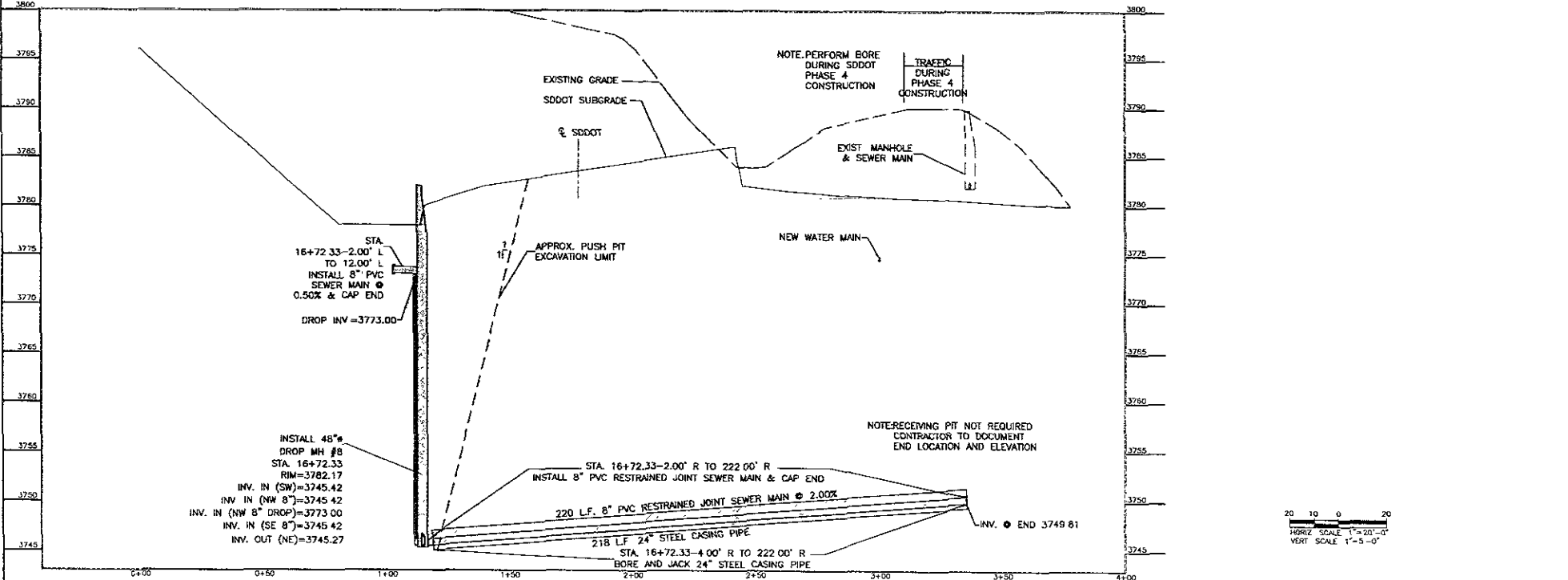


SEWER CROSSING STA. 6+51.94 PROFILE

<p>To Solve To Excel Together</p>	<p>Prepared By</p> <p>TSP Inc. 600 Kansas City St. Rapid City, SD 57701</p> <p>phone (605) 343-6102 fax (605) 343-7159 www.tspinc.com</p>	<p>Prepared For</p> <p>Public Works Department</p> <p>Engineering Services</p>	<p>Scale: AS SHOWN</p> <table border="1"> <tr> <td>Designed By</td> <td>Drawn By</td> </tr> <tr> <td>Checked Date</td> <td>Print Date</td> </tr> <tr> <td>11/00</td> <td>12/02/09</td> </tr> </table> <p>Project No: 53090704</p> <p>Surveyed By</p> <p>Survey Date</p> <p>SDDOT Project No: NH 2016(1)764</p>	Designed By	Drawn By	Checked Date	Print Date	11/00	12/02/09	<p>Sheet No.</p> <p>SEWER CROSSING PLAN/PROFILE</p> <p>28 of 46</p>
	Designed By	Drawn By								
Checked Date	Print Date									
11/00	12/02/09									
<p>CATRON BOULEVARD RECONSTRUCTION UTILITY RELOCATION AND MODIFICATION</p>		<p>Sheet No.</p> <p>53W09-1819</p>								



SEWER MAIN CROSSING STA. 16+72.33 PLAN



SEWER MAIN CROSSING STA. 16+72.33 PROFILE

ANODE SCHEDULE

STATION & OFFSET	NUMBER AND SIZE OF BAG	FITTING
6+52.42-5.50' R	6-17#	END OF CASING
ALL ANODES SHALL BE ZINC		

STA. 16+72.33-2.00' R TO 222.00' R  
INSTALL 8" PVC RESTRAINED JOINT SEWER MAIN & CAP END

8" PVC RESTRAINED JOINT SEWER MAIN  
AND 24" STEEL CASING PIPE

STA. 16+72.33-4.00' R TO 222.00' R  
BORE AND JACK 24" STEEL CASING PIPE

STA 16+72.33-222' R  
END OF PIPE  
N=627611.15  
E=1202835.02  
INV.=3749.81

STA 16+72.33-2.00' L  
TO 12.00' L  
INSTALL 8" PVC  
SEWER MAIN @  
0.50% & CAP END  
DROP INV = 3773.00

INSTALL 48" @  
DROP MH #8  
STA. 16+72.33  
RIM=3782.17  
INV. IN (SW)=3745.42  
INV. IN (NW 8")=3745.42  
INV. IN (NW 8" DROP)=3773.00  
INV. IN (SE 8")=3745.42  
INV. OUT (NE)=3745.27

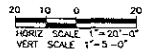
STA. 16+72.33-2.00' R TO 222.00' R  
INSTALL 8" PVC RESTRAINED JOINT SEWER MAIN & CAP END

220 LF. 8" PVC RESTRAINED JOINT SEWER MAIN @ 2.00%

218 LF 24" STEEL CASING PIPE

STA. 16+72.33-4.00' R TO 222.00' R  
BORE AND JACK 24" STEEL CASING PIPE

NOTE RECEIVING PIT NOT REQUIRED  
CONTRACTOR TO DOCUMENT  
END LOCATION AND ELEVATION



<p>Prepared by</p> <p>TSP Inc. 600 Kansas City St. Rapid City, SD 57701 phone (605) 343-4102 fax (605) 343-7158 www.teamsp.com</p> <p>To Solve. To Excel. Together</p>	<p>Prepared For</p> <p>Public Works Department Rapid City, SD</p> <p>Engineering Services</p>	<p>Scale: AS SHOWN</p> <p>Designed By: DCW Checked By: GNS Design Date: 11/09 Print Date: 12/02/09 Version: 02/04 62962/04 Surveyed By: SECOI Survey Date: SDDOT Project #: 411 2016(17) 64</p>	<p>Sheet Title:</p> <p>SEWER CROSSING PLAN/PROFILE</p> <p>29 or 46</p>