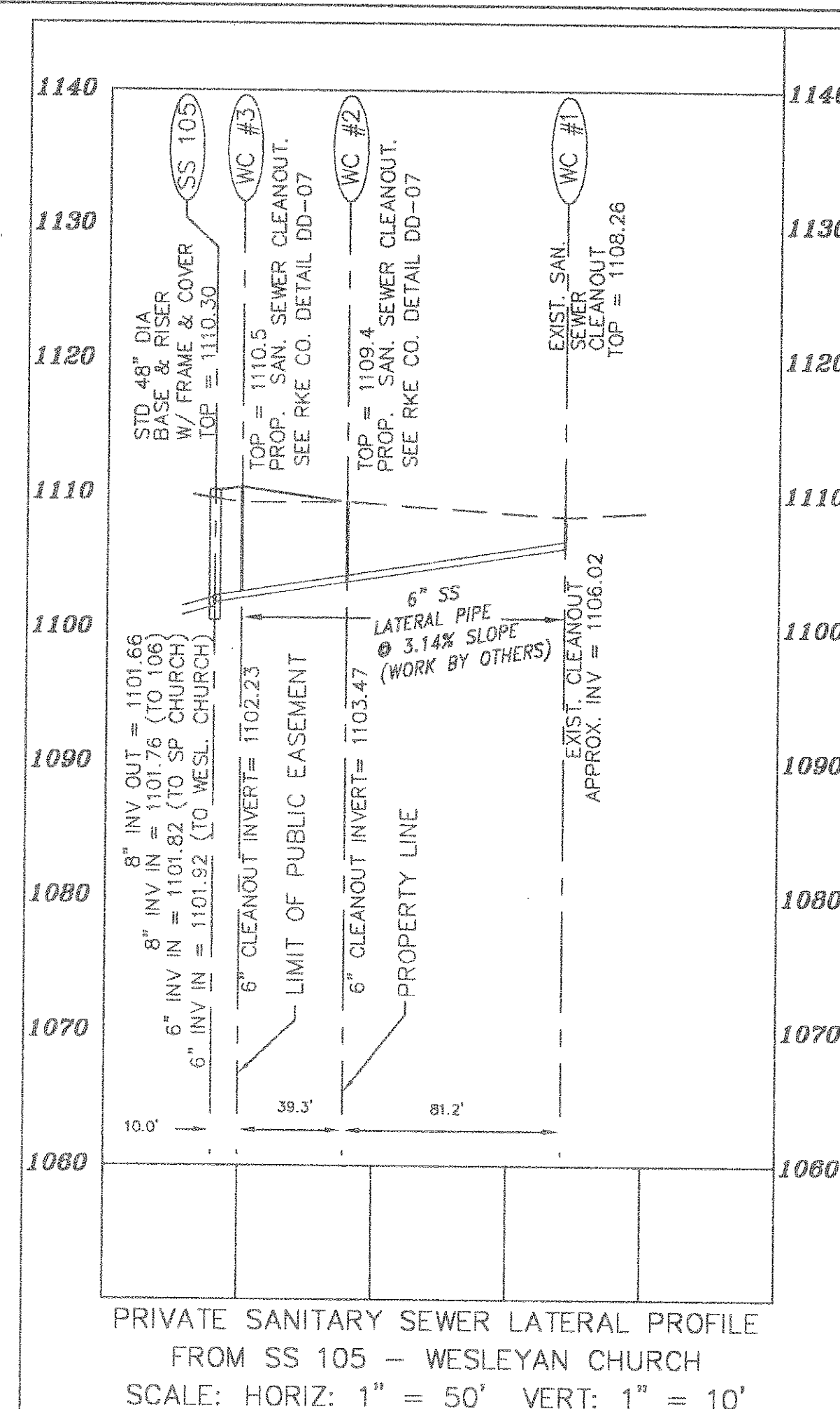
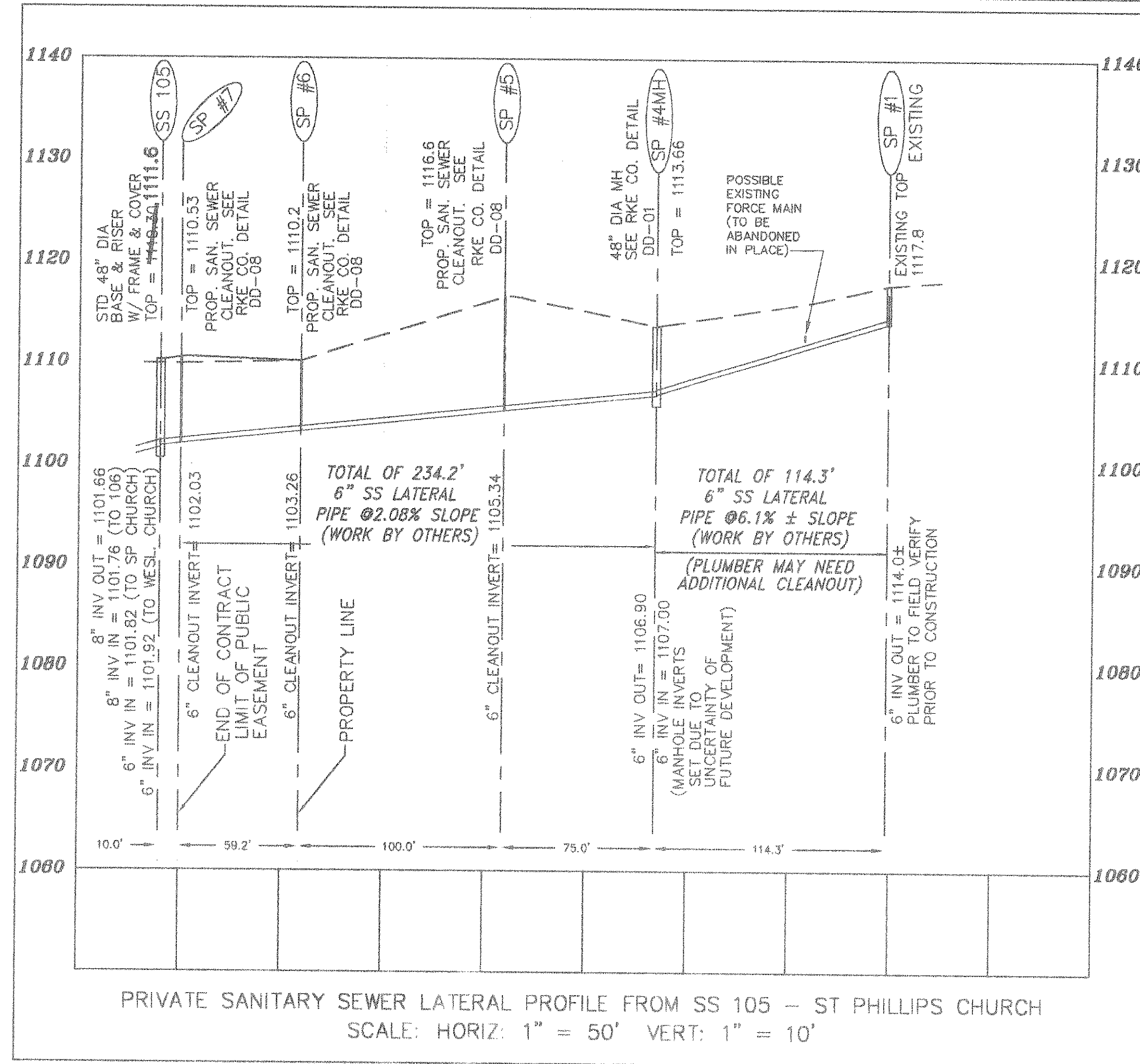
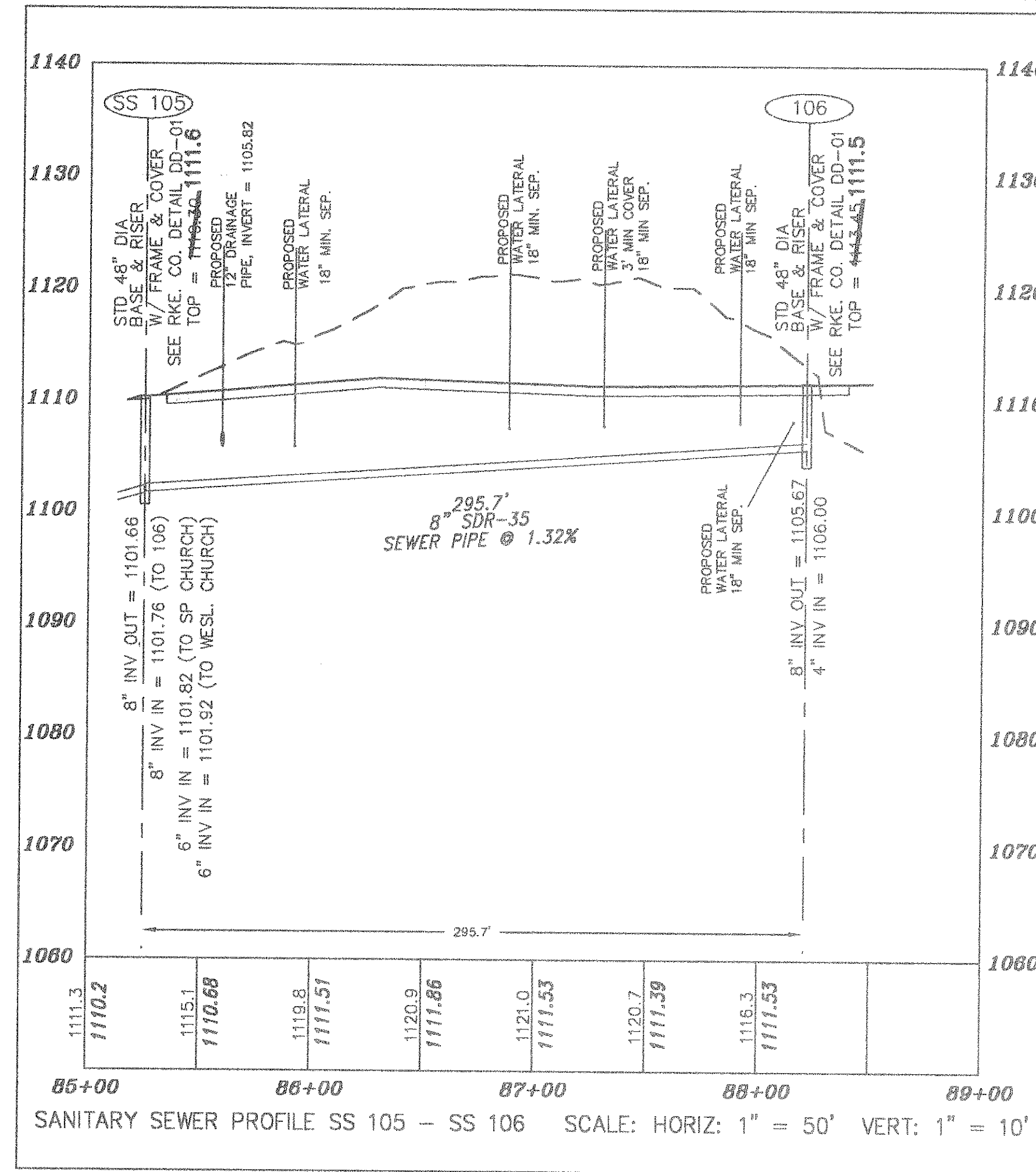
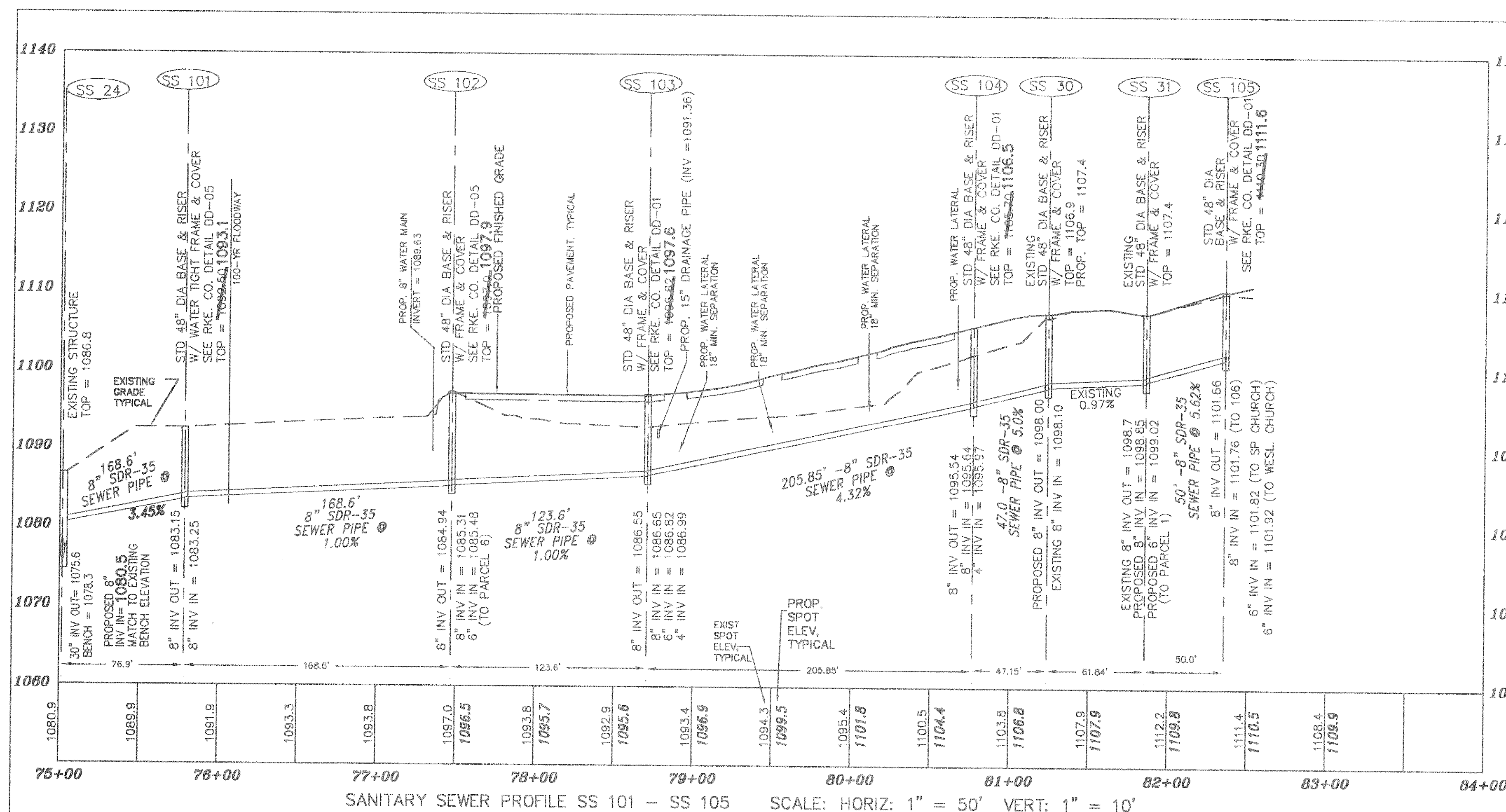




- CONNECTION TO EXISTING SERVICE LINES**
1. THE PROPOSED LATERALS TO THE ADJACENT PROPERTIES (ST. PHILLIPS CHURCH, WESLEYAN CHURCH) SHALL NOT BE CONNECTED UNTIL ROANOKE COUNTY HAS TESTED AND APPROVED THE PROPOSED SANITARY SEWER MAINS. THE CONTRACTOR SHALL COORDINATE WITH THE ROANOKE COUNTY UTILITY DEPARTMENT FOR TESTING AND APPROVAL.
 2. CONSTRUCTION OF THE LATERALS SHALL BE PERFORMED BY A LICENSED PLUMBER, UNDER BOCA CODE REQUIREMENTS (WORK BY OTHERS).
 3. THE WESLEYAN CHURCH SHALL BE RESPONSIBLE FOR THEIR HOOK-UP FEES AND FOR OBTAINING A PLUMBER TO COMPLETE THE WORK FROM S.S.C.O. WC #3 TO S.S.C.O. WC #1. THE LIMIT OF THE CONTRACTORS WORK FOR PUBLIC SANITARY SEWER INSTALLATION ENDS AT S.S.C.O. WC #3.
 4. A PROPOSED PRIVATE LATERAL WILL BE CONSTRUCTED FOR ST. PHILLIPS EVANGELICAL LUTHERAN CHURCH. THE PRIVATE LATERAL IS DESCRIBED AS WORK FROM S.S.C.O. SP #7 TO S.S.C.O. SP #1. THE CONSTRUCTION SHALL BE PERFORMED BY A PLUMBER (WORK BY OTHERS) AND MEET BOCA REQUIREMENTS. THE LIMITS OF THE PUBLIC SEWER CONSTRUCTION SHALL TERMINATE AT THE PUBLIC CLEANOUT (S.S.C.O. S.P. #7).
 5. ONCE THE PLUMBER HAS COMPLETED THE CONNECTION TO ST. PHILLIPS, THE CONTRACTOR (UNDER THIS PROJECT) SHALL INCLUDE AND COMPLETE THE FOLLOWING ITEMS, IN ADDITION TO THE ITEMS SHOWN ON PLANS AND PROFILES:
 - A) REMOVE THE EXISTING PUMP & MANHOLE CHAMBER.
 - B) REMOVE THE EXISTING LATERAL LINE FROM THE PUMP MANHOLE TO S.S.C.O. SP #0.
 - C) RECONSTRUCT S.S.C.O. SP #0 WITH A 22.5\"/>

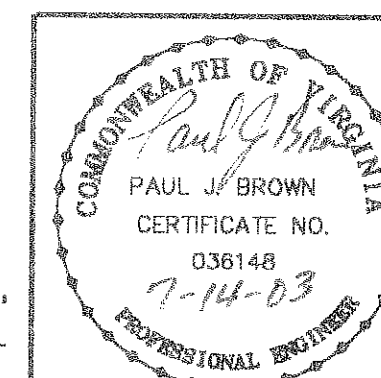


PROPOSED SANITARY SEWER NOTES

1. REFERENCE IS DIRECTED TO THE "SEWER PROFILES" FOR PIPE EXISTING STRUCTURES TO BE ADJUSTED OR REMOVED.
2. REFERENCE IS DIRECTED TO THE "DEMOLITION PLAN" FOR CERTAIN EXISTING STRUCTURES TO BE ADJUSTED OR REMOVED.
3. THE CONTRACTOR SHALL COORDINATE WITH THE ROANOKE COUNTY UTILITY DEPARTMENT FOR THE CONNECTION TO THE EXISTING MANHOLE "SS 24". THE CONTRACTOR SHALL PROVIDE AT LEAST 3 DAYS ADVANCE NOTICE FOR THE CONNECTION. THE CONTRACTOR SHALL PROVIDE ALL EXCAVATION FOR THE UTILITY. THE CONTRACTOR SHALL PROVIDE THE CONNECTION TO "SS 24" IN THE PRESENCE OF THE ROANOKE COUNTY INSPECTOR. THE CONTRACTOR SHALL ANTICIPATE BYPASS PUMPING DURING THE CONNECTION.
4. THE CONTRACTOR SHALL COORDINATE WITH THE ROANOKE COUNTY UTILITY DEPARTMENT FOR THE TESTING OF THE PROPOSED SEWER LINES AND THE EXISTING LINE FROM "SS 30" TO "SS 31". THE CONTRACTOR SHALL ANTICIPATE DEWATERING THE EXISTING STRUCTURES OF "SS 30" AND "SS 31" AND FOR CREATING OPENINGS IN THE STRUCTURES TO TIE TO THE MANHOLES.
5. THE CONTRACTOR SHALL PLACE THE PROPOSED SEWER LINE IN ACCORDANCE WITH THE ROANOKE COUNTY WATER & SEWER REGULATIONS, AS REVISED APRIL 2000. REFERENCE IS DIRECTED TO THE ALLOWABLE MATERIALS AND UTILITY DETAILS. SEVERAL UTILITY DETAILS HAVE BEEN REFERENCED ON THESE PLANS.
6. REFERENCE IS DIRECTED TO ROANOKE COUNTY DETAIL DD-10, UTILIZING THE COMBINATION LATERAL IN WHICH A 6-INCH SEWER LATERAL IS CONNECTED TO THE 8-INCH MAIN. THE 6-INCH LATERAL THEN COMBINES 2 4-INCH LATERALS. THE CONTRACTOR SHALL PLACE THE 4-INCH LATERALS AS WELL TO GRASSED AREAS AS SHOWN. THE 6-INCH LATERAL CLEANOUT REPRESENTS THE LIMIT OF THE PUBLIC UTILITY LATERAL.
7. AS PART OF THIS PROJECT, THE CONTRACTOR SHALL INSTALL LATERALS WITHIN THE PUBLIC EASEMENTS TO SERVE THE ADJACENT PROPERTIES (ST. PHILLIPS CHURCH (SP#7), WESLEYAN CHURCH (WC #3), PARCEL 1 (P1 #1), AND PARCEL 6 (P6 #1)) AS SHOWN ON THESE PLANS. THE LATERALS SHALL EXTEND TO THE EDGE OF THE EASEMENT OF THE PUBLIC MAIN.
8. FOR LOTS 1 THRU 26, A PLUMBER WILL BE REQUIRED TO EXTEND THE SANITARY SEWER LATERALS FROM THE EDGE OF THE PUBLIC EASEMENT TO THE BUILDING. THE DEVELOPER SHALL NOTE THAT THE PUBLIC LATERAL ENDS WITHIN THE PROPOSED ROADS. THIS ITEMS SHALL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE WITH ROANOKE COUNTY. THE CONTRACTOR SHALL PROVIDE A LINE ITEM BID FOR SANITARY SEWER LATERAL EXTENSION. EACH LOT MAY BE EXTENDED BY UP TO 50' PER LOT. 50' X 26 LOTS = 1,300 LF LATERAL EXTENSION.

SAN. SEWER SERVICE ELEVATIONS			
LOT NO.	SEWER STA OR MH #	CO ELEV. @ ESM'T	MIN. FF ELEV FOR GRAV. SEWER
1	MH 106 (88+20.7)	1106.26	1110.3
2	87+96.2	1105.69	1110.0
3 & 4	87+55.5	1105.18	1109.5
5 & 6	86+92.6	1104.35	1108.6
7	86+11.3	1103.28	1107.1
8	85+29.6	1102.19	1105.9
9 & 10	80+37.5	1094.15	1098.1
11 & 12	79+76.5	1091.52	1095.4
13 & 14	79+15.5	1088.88	1092.8
15	77+61.78	1085.76	1089.2
16 & 17	78+09.9	1086.29	1089.8
18 & 19	MH 103 (78+70.7)	1087.17	1090.7
20	MH 103 (78+70.7)	1087.97	1091.5
21 & 22	79+58.0	1090.93	1095.0
23 & 24	80+19.0	1093.57	1097.7
25	80+57.5	1095.20	1099.0
26	MH 104 (80+76.6)	1096.45	1100.4
WESL. CHURCH	MH 105 (82+35.6)	1102.23	EXISTING
ST. P. CHURCH	MH 105 (82+35.6)	1102.03	EXISTING
PARCEL 1	MH 31 (81+85.6)	1099.23	1105±
PARCEL 6	MH 102 (77+47.2)	1085.69	1092±

REVISED SANITARY SEWER PROFILE 7/14/03 AS BUILT WATER AND SEWER INFORMATION



DESIGNED BY: P.J. BROWN
DRAWN BY: PJB
CHECKED BY: JTP, SR
W.O. #: 01-0207
R.R.-5
TAX NO. 028.05-01-12/13

SANITARY SEWER PROFILES FOR MEADOWBROOK VILLAGE TOWNHOUSES PHASE V

BARRENS DEVELOPMENT CORPORATION

NORTH BROOK DRIVE & U.S. ROUTE 11,
HOLLINS MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

REVISED: 18 SEPT 2002 SCALE: 1" = 50'

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