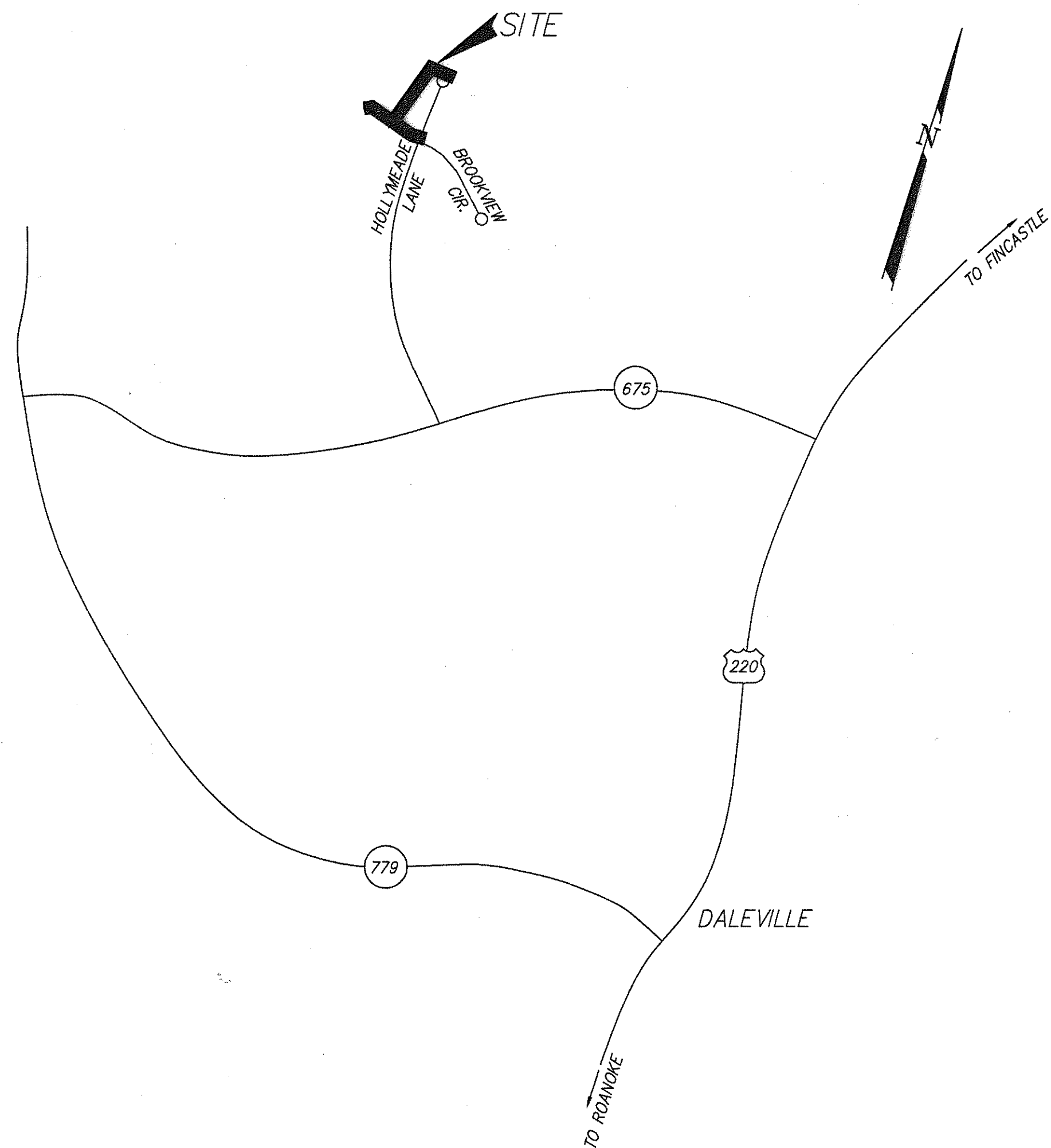


VICINITY MAP

NO SCALE



ENGINEER'S NOTES

CALDWELL WHITE ASSOCIATES ASSUMES NO RESPONSIBILITY FOR ADEQUACY OF PLANS OR FOR INFORMATION ON PLANS UNTIL SUCH PLANS HAVE BEEN APPROVED BY THE REQUIRED PUBLIC AGENCIES.

ANY WORK COMMENCED ON A PROJECT PRIOR TO PLAN APPROVAL IS AT SOLE RISK OF THE DEVELOPER.

CALDWELL WHITE ASSOCIATES DOES NOT GUARANTEE THE COMPLETION OR QUALITY OF PERFORMANCE OF THE CONTRACTS BY CONTRACTORS OR OTHER THIRD PARTIES.

SOURCE OF TOPOGRAPHIC MAPPING IS CALDWELL WHITE ASSOCIATES, DATED 1999.

BOUNDARY SURVEY WAS PERFORMED BY CALDWELL WHITE ASSOCIATES, DATED 1999.

SEWER NOTES

ALL NEW SANITARY SEWER MANHOLES SHALL BE PRE-CAST CONCRETE, FABRICATION, MATERIALS, AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE COUNTY OF BOTETOURT STANDARDS AND SPECIFICATIONS.

NEW SANITARY SEWER PIPE SHALL BE SDR-35 POLYVINYL CHLORIDE, UNLESS OTHERWISE NOTED, AND SHALL BE BEDDED IN ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS.

A MINIMUM COVER OF THREE (3) FEET IS REQUIRED OVER PROPOSED LINES.

ALL EXISTING UTILITIES MAY NOT BE SHOWN, OR MAY NOT BE SHOWN IN THE EXACT LOCATION. THE CONTRACTOR SHALL COMPLY WITH STATE WATER WORKS REGULATIONS, SECTION 12.05.03, WHERE LINES CROSS.

ALL TRENCHES IN EXISTING OR FUTURE HIGHWAY RIGHT OF WAYS SHALL BE COMPACTED ACCORDING TO VDOT STANDARDS.

LINES SHALL BE STAKED PRIOR TO CONSTRUCTION.

VDOT NOTES

PERMITS WILL BE REQUIRED FOR ALL UTILITIES WITHIN STREET RIGHT OF WAY PRIOR TO ACCEPTANCE INTO THE SECONDARY HIGHWAY SYSTEM.

CARE MUST BE TAKEN DURING CONSTRUCTION TO PREVENT EROSION, DUST, AND MUD FROM DAMAGING ADJACENT PROPERTY, CLOGGING DITCHES, TRACKING PUBLIC STREETS, AND OTHERWISE CREATING A PUBLIC OR PRIVATE NUISANCE TO SURROUNDING AREAS.

IF EROSION IS ENCOUNTERED IN ANY DRAINAGE EASEMENT, IT WILL BE THE RESPONSIBILITY OF THE DEVELOPER TO SOD, RIP-RAP, GROUT, PAYE, OR TO DO WHATEVER IS NECESSARY TO CORRECT THE PROBLEM.

GENERAL NOTES

ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF BOTETOURT COUNTY AND/OR THE VIRGINIA DEPARTMENT OF TRANSPORTATION.

THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE COUNTY OF BOTETOURT ENGINEERING DIVISION IN WRITING AT LEAST THREE (3) DAYS PRIOR TO ANY CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- INSTALLATION OF APPROVED EROSION CONTROL DEVICES.
- CLEARING AND GRUBBING.
- INSTALLING SANITARY SEWER LINES.

A PRECONSTRUCTION CONFERENCE SHALL BE SCHEDULED WITH THE BOTETOURT COUNTY ENGINEERING DIVISION, TO BE HELD AT LEAST ONE DAY PRIOR TO ANY CONSTRUCTION.

MEASURES TO CONTROL EROSION AND SILTATION MUST BE PROVIDED FOR PRIOR TO PLAN APPROVAL. PLAN APPROVAL IN NO WAY RELIEVES THE DEVELOPER OR CONTRACTOR OF THE RESPONSIBILITIES CONTAINED IN EROSION AND SILTATION CONTROL POLICIES.

A PERMIT MUST BE OBTAINED FROM THE VDOT RESIDENCY OFFICE, SALEM, PRIOR TO CONSTRUCTION IN THE HIGHWAY RIGHT OF WAY.

PLAN APPROVAL DOES NOT GUARANTEE THE ISSUANCE OF ANY PERMITS BY VDOT.

AN APPROVED SET OF PLANS AND ALL PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE.

FIELD CONSTRUCTION SHALL HONOR PROPOSED DRAINAGE DIVIDES AS SHOWN ON PLANS.

CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AT THE JOB SITE.

ALL SPRINGS SHALL BE CAPPED AND PIPED TO THE NEAREST STORM SEWER OR NATURAL WATERCOURSE. THE PIPE SHALL BE MINIMUM OF 6" DIAMETER AND CONFORM TO VDOT STANDARD SB-1.

CONSTRUCTION DEBRIS SHALL BE CONTAINED IN ACCORDANCE WITH THE VIRGINIA LITTER CONTROL ACT. NO LESS THAN ONE LITTER RECEPTACLE SHALL BE PROVIDED ON-SITE.

THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEANING MUD FROM TRUCKS AND/OR OTHER EQUIPMENT PRIOR TO ENTERING PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE STREETS ARE IN A CLEAN, MUD AND DUST FREE CONDITION AT ALL TIMES.

CONTRACTORS SHALL NOTIFY UTILITIES OF PROPOSED CONSTRUCTION AT LEAST TWO, BUT NOT MORE THAN TEN WORKING DAYS IN ADVANCE. AREA PUBLIC UTILITIES MAY BE NOTIFIED THROUGH MISS UTILITY AT (800) 552-7001.

THE DEVELOPER OR CONTRACTOR SHALL PROVIDE THE COUNTY OF BOTETOURT WITH CORRECT AS-BUILT PLANS BEFORE FINAL ACCEPTANCE.

ALL WORK SHALL BE SUBJECT TO INSPECTION BY BOTETOURT COUNTY AND/OR VDOT INSPECTORS.

FIELD CORRECTIONS SHALL BE APPROVED BY THE COUNTY OF BOTETOURT ENGINEERING DIVISION PRIOR TO SUCH CONSTRUCTION.

GRADE STAKES SHALL BE SET FOR ALL SANITARY SEWER.

LOCATION OF UNDERGROUND UTILITIES IS BASED ON FIELD SURVEYS, AS SHOWN BY AVAILABLE RECORDS, AND AS LOCATED BY THE UTILITY LOCATOR SERVICE. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

THE SITE WORK AND LANDSCAPING CONTRACTOR(S) SHALL COMPLY WITH LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES, BOTH ON AND OFF THE SITE. REFER TO THE VIRGINIA UNIFORM CODING SYSTEM CONTAINED IN THE VIRGINIA SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION, FOR DETAILS AND SPECIFICATIONS OF EROSION CONTROL ITEMS SHOWN ON THESE PLANS.

ALL STORM DRAIN CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE VIRGINIA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.

SHEET INDEX

SHEET #	TITLE
C-1	COVER SHEET
C-2	SANITARY SEWER SPECIFICATIONS AND SOIL EROSION CONTROL DETAILS
C-3	NEW SANITARY SEWER AND CHANNEL RELOCATION PLAN
C-4	SANITARY SEWER PROFILES

LEGEND

ABBREVIATIONS		SYMBOLS	
AHFH	ARROW HEAD TOP OF FIRE HYDRANT	MIN	MINIMUM
APPROX	APPROXIMATE	MON	MONUMENT
ASPH	ASPHALT	NBL	NORTH BOUND LANE
BC	BOTTOM OF CURB	PROP	PROPOSED
BIT	BITUMINOUS	PUE	PUBLIC UTILITY EASEMENT
BLDG	BUILDING	PWMT	PAVEMENT
BLK	BLOCK	R	RADIUS
BM	BENCHMARK	RT	RIGHT
BW	BOTTOM OF WALL	R/W	RIGHT OF WAY
CB	CORNER BLOCK	REQD	REQUIRED
C&G	CURB & GUTTER	RR	RAILROAD
CMP	CORRUGATED METAL PIPE	RYS	REAR YARD SETBACK
CONC	CONCRETE	SAN	SANITARY
COR	CORNER	SBL	SOUTH BOUND LANE
DBL	DOUBLE	SD	STORM DRAIN
DEFL	DEFLECTION	SECT	SECTION
DI	DROP INLET	SE	SLOPE EASEMENT
DIA	DIAMETER	SS	SANITARY SEWER
DE	DRAINAGE EASEMENT	SSE	SANITARY SEWER EASEMENT
EBL	EAST BOUND LANE	STA	STATION
ELEC	ELECTRIC	STD	STANDARD
ELEV	ELEVATION	STO	STORAGE
ENTR	ENTRANCE	SYS	SIDE YARD SETBACK
EP	EDGE OF PAVEMENT	TBM	TEMPORARY BENCHMARK
EW	EXISTING	TC	TOP OF CURB
EXIST	EXISTING	TEL	TELEPHONE
FDN	FOUNDATION	TRANS	TRANSFORMER
FF	FINISHED FLOOR	TW	TOP OF WALL
FG	FINISH GRADE	TYP	TYPICAL
HPT	HIGH POINT	VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION
INV	INVERT	VERT	VERTICAL
IP	IRON PIN	NBL	NORTH BOUND LANE
LT	LEFT	YD	YARD
MBL	MINIMUM BUILDING LINE		
MH	MANHOLE		

NAME OF DEVELOPMENT NEW SANITARY SEWER AND CHANNEL RELOCATION

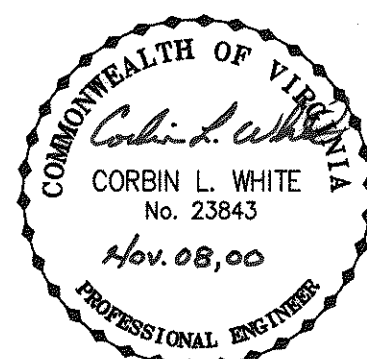
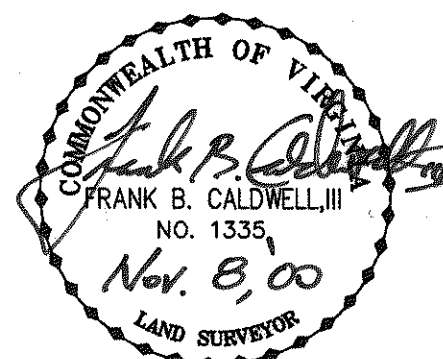
LOCATION HOLLYMEADE SECTION IV
HOLLYMEADE LANE
AMSTERDAM MAGISTERIAL DISTRICT
COUNTY OF BOTETOURT, VIRGINIA

OWNER J.D. FRALIN
2518 WILLIAMSON ROAD
ROANOKE, VIRGINIA 24012
(540) 366-7629

DEVELOPER SAME AS OWNER

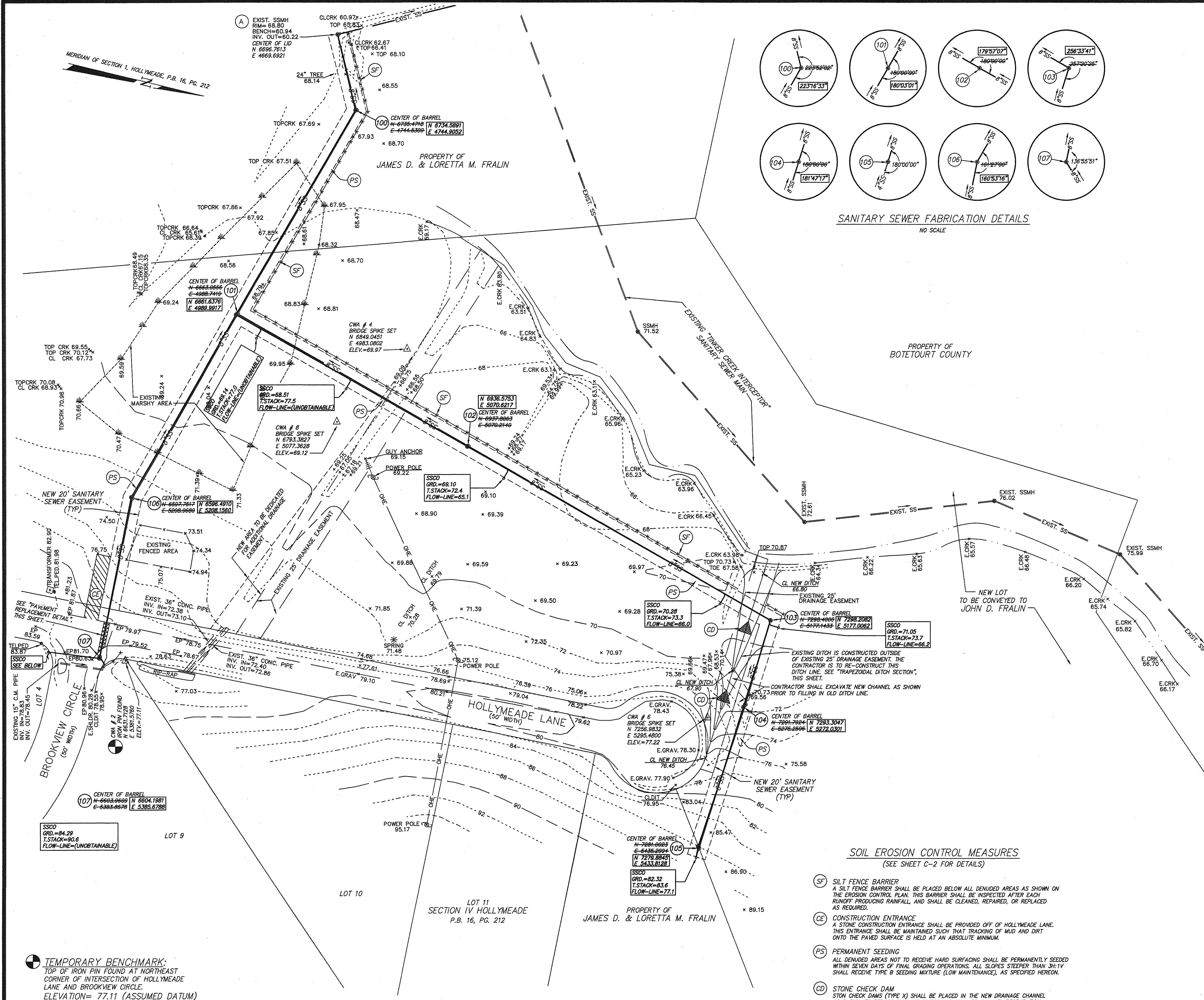
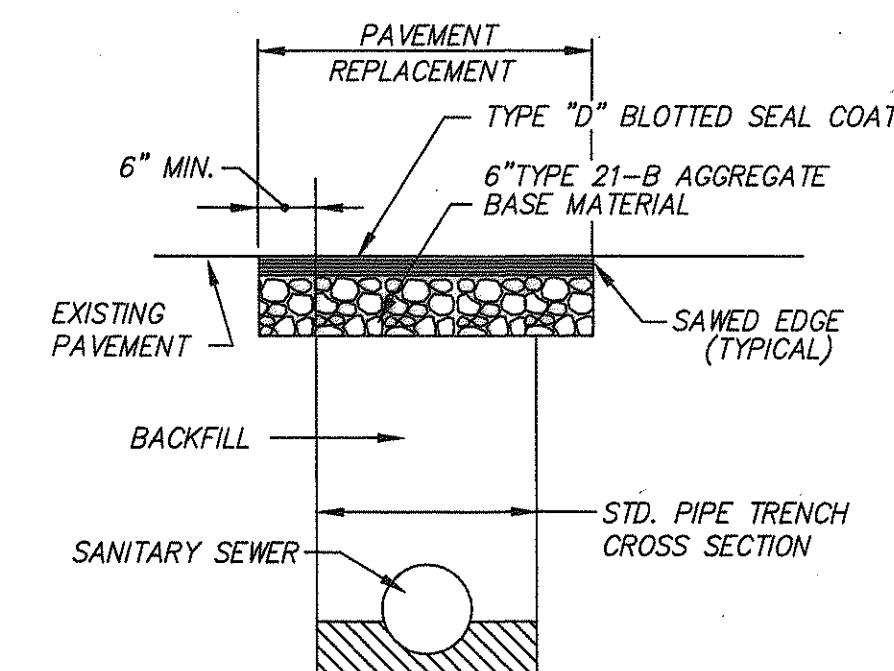
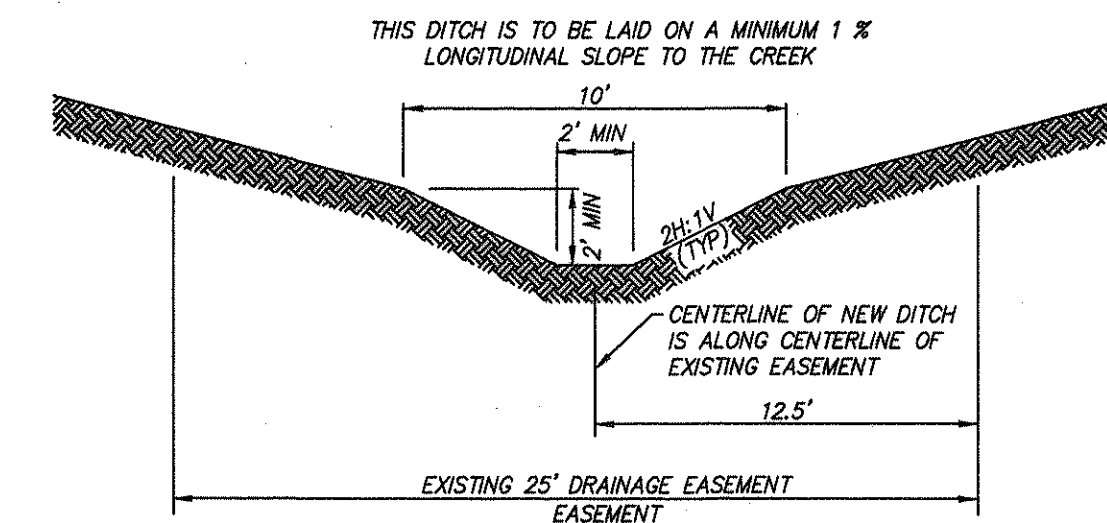
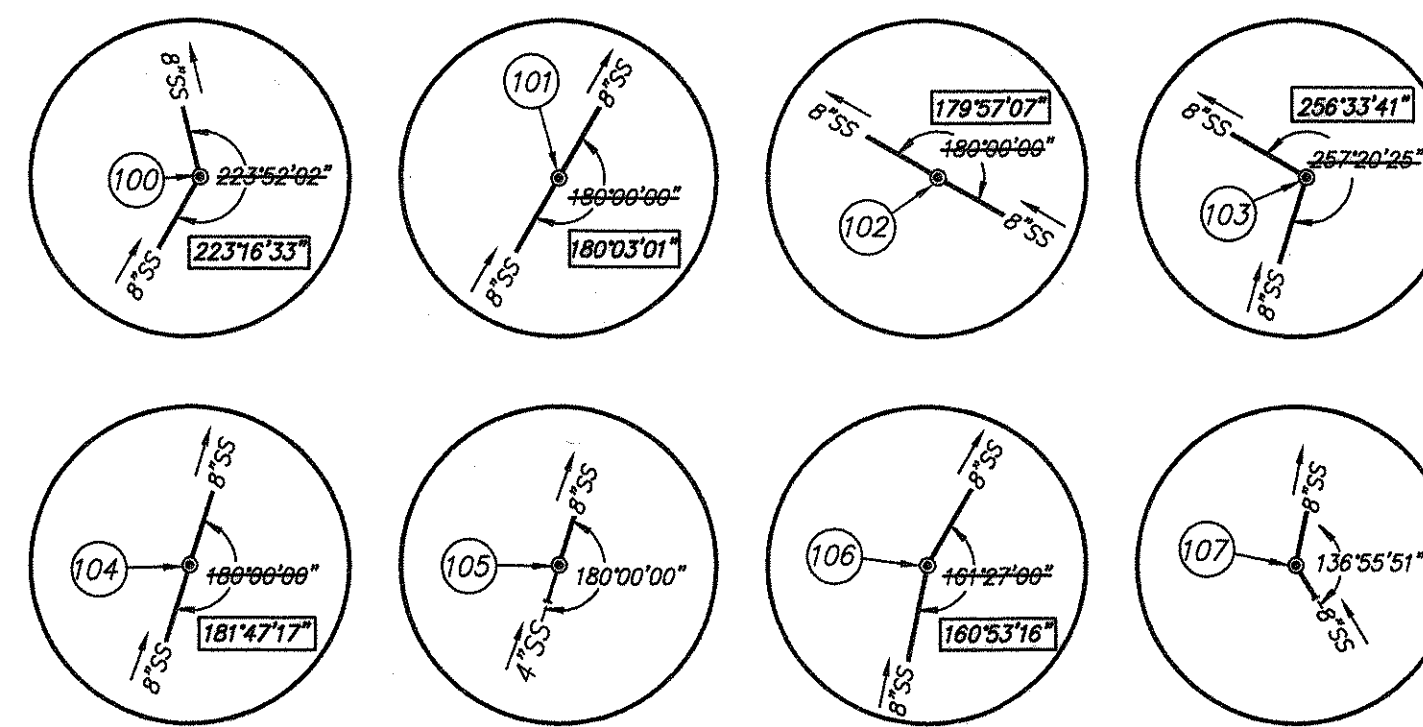
**AS-BUILT CONDITIONS
NOVEMBER 08, 2000**

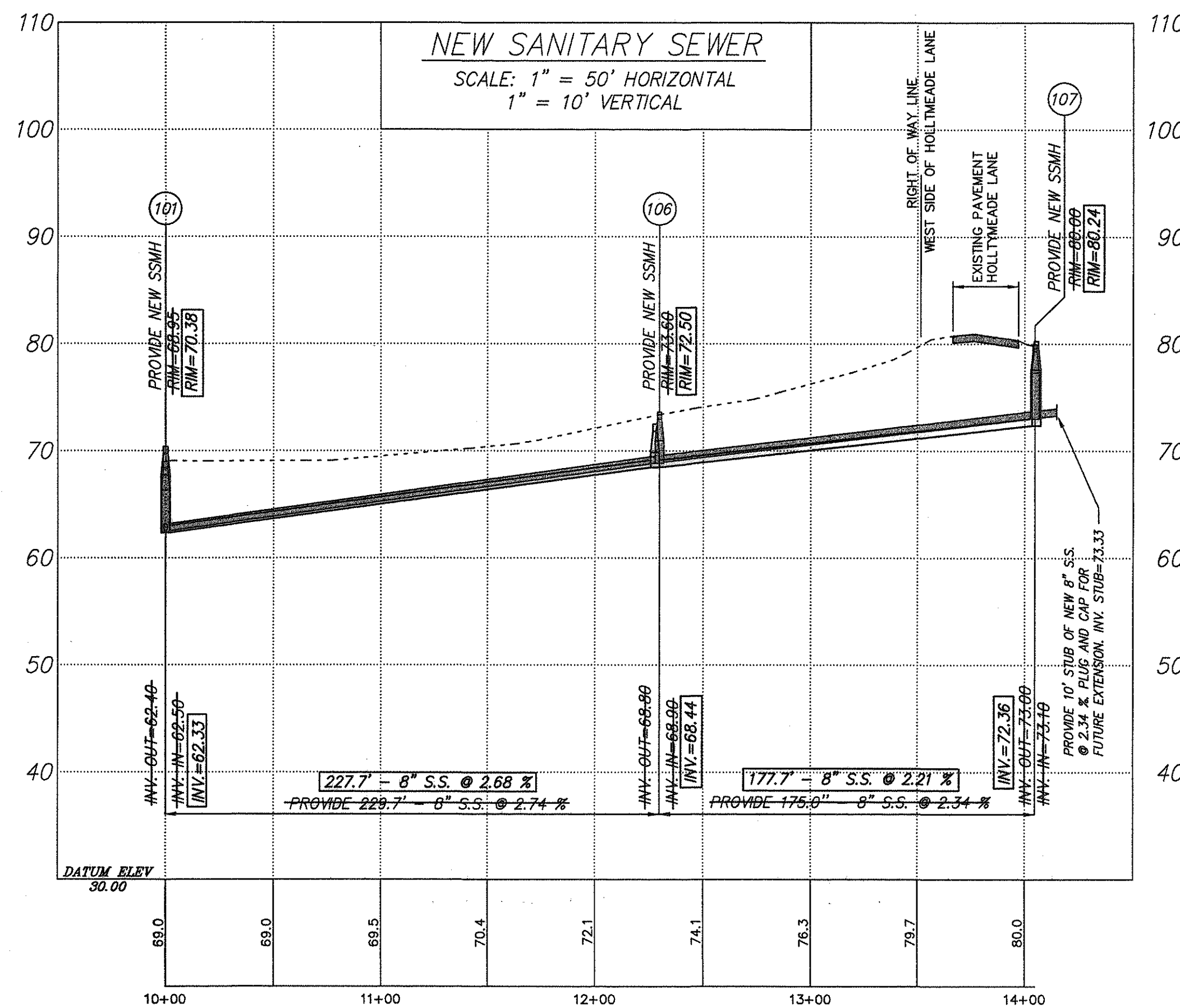
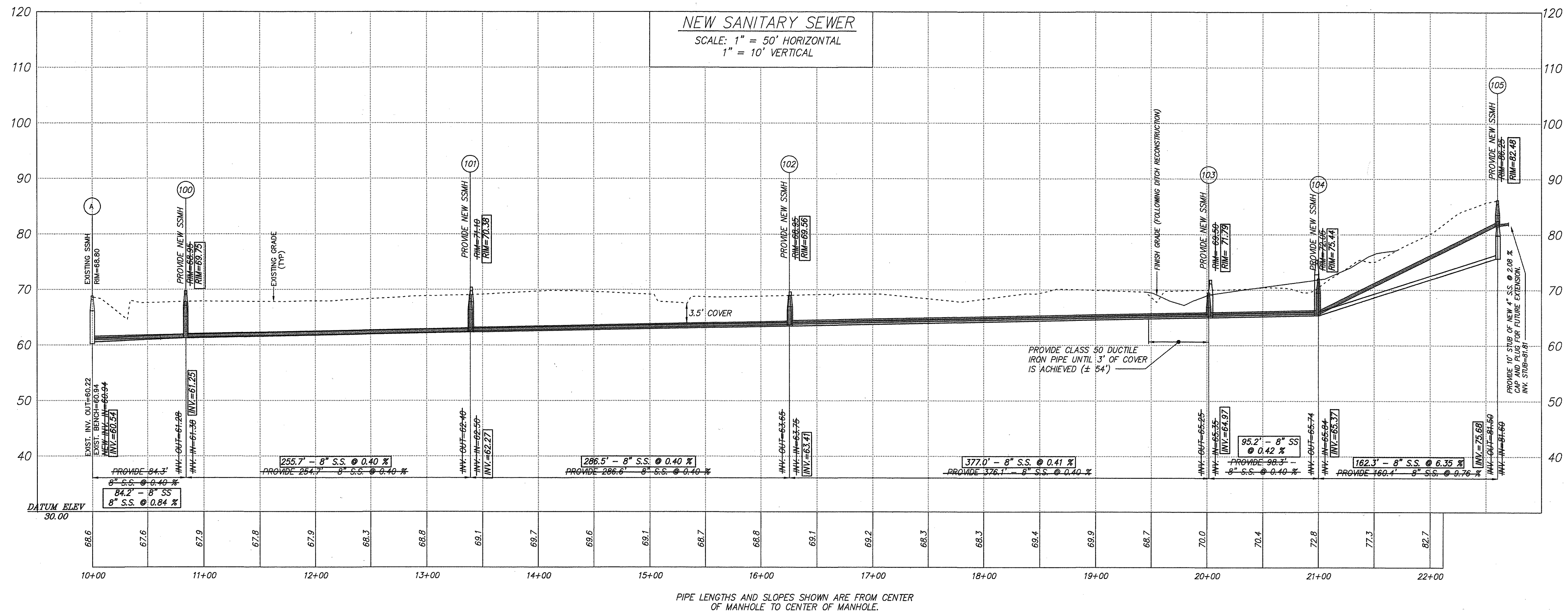
TAX MAP #(S) 87 BLOCK #(S) A PARCEL #(S) 155



CWA
CALDWELL WHITE ASSOCIATES
ENGINEERS / SURVEYORS / PLANNERS
1054 OLD COUNTRY CLUB ROAD
P.O. BOX 8340
ROANOKE, VIRGINIA 24017
(540) 342-7094
FAX: (540) 981-0699

PROJECT NAME: SS & Channel Relocation
DATE: Nov. 8, 2000
TYPE: SS
LOCATION: 2518 Williamson Road
TOTAL # SHEETS: 4
OF SETS: 1

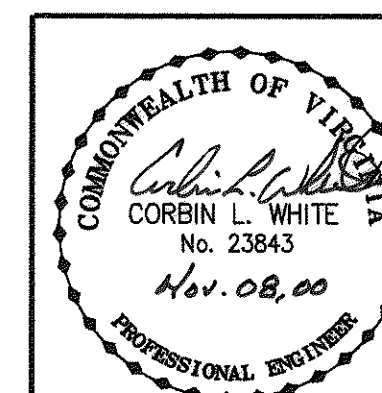




**AS-BUILT CONDITIONS
NOVEMBER 08, 2000**

TEMPORARY BENCHMARK:
TOP OF IRON PIN FOUND AT NORTHEAST
CORNER OF INTERSECTION OF HOLLYMEADE
LANE AND BROOKVIEW CIRCLE.
ELEVATION= 77.11 (ASSUMED DATUM)

50' 25' 0' 50' 100'
GRAPHIC SCALE
1" = 50'



Designed: C.L. White
Drawn: C.L. White
Checked:
Date: March 18, 1999
Scale: As Shown
Tax Parcel: 87-A-155
Field Book: DC
W.O. No.: 98-0069

SANITARY SEWER PROFILES
FOR
J.D. FRALIN
SHOWING NEW PUBLIC SANITARY SEWER TO
BE CONSTRUCTED IN THE VICINITY OF
HOLLYMEADE SECTION IV
SITUATE OFF OF HOLLYMEADE LANE
AMSTERDAM MAGISTERIAL DISTRICT
COUNTY OF BOTETOURT, VIRGINIA

CWA
CALDWELL WHITE ASSOCIATES
ENGINEERS / SURVEYORS / PLANNERS
1054 OLD COUNTRY CLUB ROAD
P.O. BOX 8340
ROANOKE, VIRGINIA 24017
(840) 342-7094
FAX: (840) 951-0699