

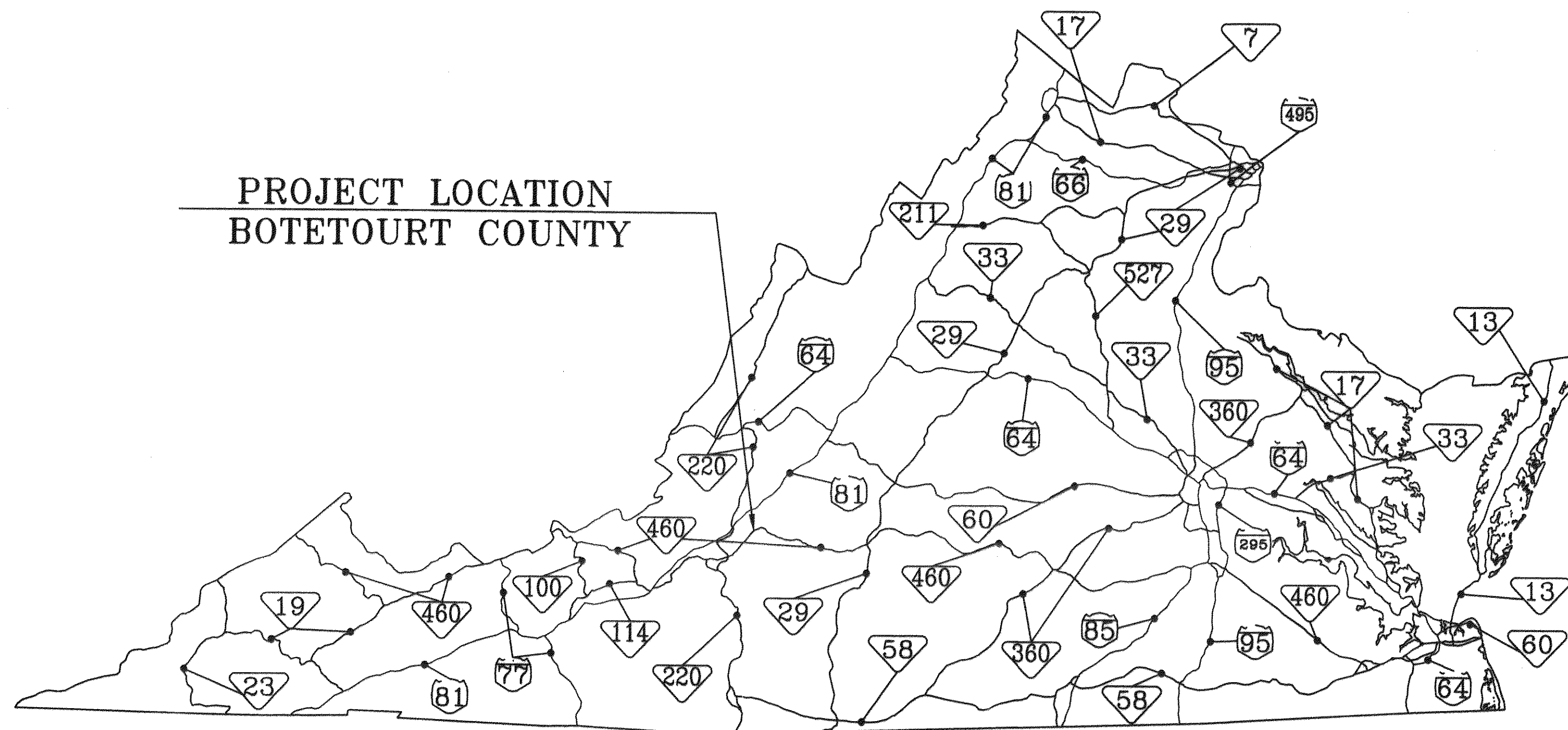
BROOKFIELD SECTION II BOTETOURT COUNTY, VIRGINIA

OWNER

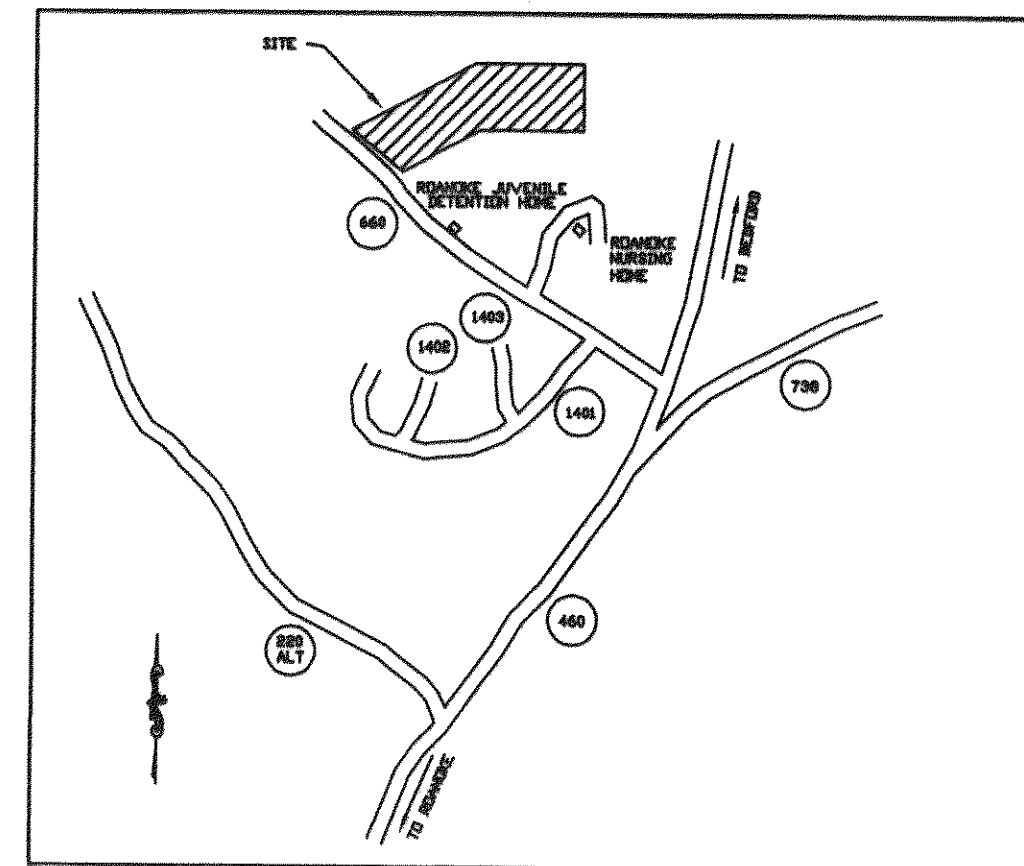
BILDEL CORPORATION
JOHN GRIFFIN

4053 LITTLE VALLEY DRIVE
TROUTVILLE, VIRGINIA 24175

PROJECT LOCATION
BOTETOURT COUNTY



LOCATION MAP
NO SCALE

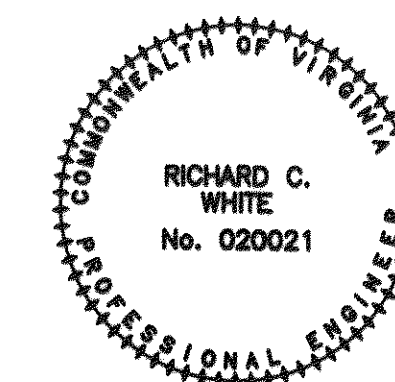
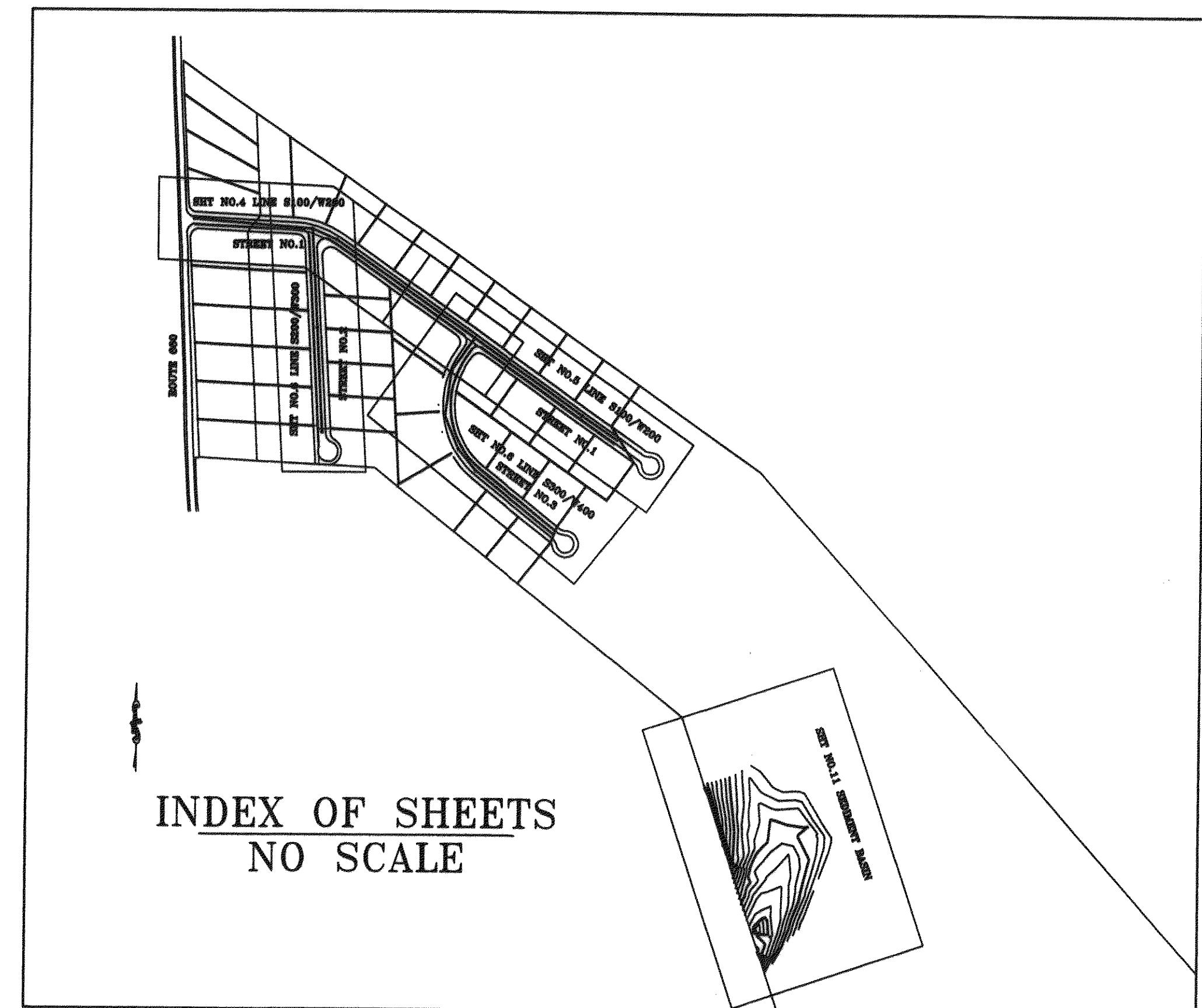


VICINITY MAP
NO SCALE

LMWP.C.
ENGINEERING - SURVEYING

1401 2nd STREET
ROANOKE, VA. 24016
PHONE: (540) 345-0675
FAX (540) 342-4456

INDEX OF SHEETS
NO SCALE



COMM. NO. 942B
SET NO.

ABBREVIATIONS

AB	ANCHOR BOLT	JT	JOINT
ABAN	ABANDON OR ABANDONED	JB	JUNCTION BOX
ABUT	ABUTMENT	LF	LENGTH, LONG
ABV	ABOVE	LG	LINEAL FOOT
ACT	ACOUSTICAL	LP	LONG
ADD	ADDITIONAL	LR	LIGHT POLE
ADJ	ADJACENT	LT	LONG RADIUS
AFF	ABOVE FINISH FLOOR	LTG	LEFT
AGGR	AGGREGATE	MACH	MACHINERY
AHR	ANCHOR	MAS	MASONRY
ALUM	ALUMINUM	MATL	MATERIAL
ALT	ALTERNATE	MAX	MAXIMUM
ANC	ANCHOR	MB	MAIL BOX
APPROX	APPROXIMATE	MECH	MECHANICAL
AARCH	ARCHITECTURAL	MFR	MANUFACTURER
AWWA	AMERICAN WATER WORKS ASSOCIATION	MH	MANHOLE, MOUNTING HEIGHT
B	BRICK	MIN	MINIMUM
BIT	BITUMINOUS	MISC	MISCELLANEOUS
BJ	BELL JOINT	MJ	MECHANICAL JOINT
BL	BASE LINE	MON	MONUMENT
BEG	BEGIN OR BEGINNING	MTD	MOUNTED
BLDG	BUILDING	MTG	MOUNTING
BLKG	BLOCKING	MTL	METAL
BM	BENCH MARK, BEAM	N & C	NAIL AND CAP
BOTT	BOTTOM	NIC	NOT IN CONTRACT
BR	BYPASS	NO	NUMBER
BRG	BEARING	NPW	NON POTABLE WATER
BSMT	BASEMENT	NTS	NOT TO SCALE
BSP	BLACK STEEL PIPE	OC	ON CENTERS
BUR	BUILT UP ROOF	OD	OUTSIDE DIAMETER
BV	BUTTERFLY VALVE	OPER	OPERATOR
C	CENTER TO CENTER	OPNG	OPENING
C/C, C TO C	CENTER TO CENTER	OPP	OPPOSITE
CAB	CABINET	PC	POINT OF CURVE
CAP	CAPACITY	PCC	POINT OF COMPOUND CURVE
CF	CUBIC FEET	PER	PERIMETER
CG	CHANGE OF GRADE	PERF	PERFORATED
C & G	CURB AND GUTTER	PERP	PERPENDICULAR
CI	CAST IRON	PI	POINT OF INTERSECTION
CIRC	CIRCULAR	PIV	POST INDICATOR VALVE
CKT	CIRCUIT	PL	PLATE, PROPERTY LINE
CL	CENTER LINE	PLYWD	PLYWOOD
CLR	CLEAR	POL	POINT ON LINE
CONST	CONSTRUCTION	PT	POINT OF TANGENCY
CMP	CORRUGATED METAL PIPE	POT	POINT ON TANGENT
CMU	CONCRETE MASONRY UNITS	PRC	POINT OF REVERSE CURVE
CND	CONDUIT	PSI	POUNDS PER SQUARE INCH
CO	CLEANOUT	PT	POINT OF TANGENT
COMB	COMBINATION	PVC	POLYVINYL CHLORIDE
CONC	CONCRETE (PORTLAND CEMENT)	PVI	POINT OF VERTICAL INTERSECTION
CONN	CONNECT, CONNECTION	PVMT	PAVEMENT
CONT	CONTINUOUS, CONTROL	PVT	PRIVATE
CONTR	CONTRACTOR	R	RADIUS, RISER
CONV	CONVEYOR	RR	RAILROAD
CR STONE	CRUSHED STONE	RCP	REINFORCED CONCRETE PIPE
CTR	CENTER	RD	ROOF DRAIN, ROAD
CULV	CULVERT	RDCR	REDUCER
CY	CUBIC YARD	RECPT	RECEPTACLE
D	DEPTH OR DEGREE OF CURVE	RECT	RECTANGULAR
DEPT	DEPARTMENT	REINF	REINFORCE, REINFORCEMENT
DF	DRINKING FOUNTAIN	REF	REFERENCE
DI	DROP INLET, DUCTILE IRON	REL	RELOCATED
DIA	DIAMETER	REQD	REQUIRED
DIM	DIMENSION	REV	REVISION
DISC	DISCONNECT	RTE	ROUTE
DMH	DROP MANHOLE	RT	RIGHT
DN	DOWN	R/W	RIGHT OF WAY
DR	DRIVE	S	SANITARY SEWER, SOUTH, STORY, SWITCH
DS	DOWN SPOUT	SAN	SANITARY
DTL	DETAIL	SCH	SCHEDULE
DWL	DWELLING	SD	STORM DRAIN
DWG	DRAWING	SECT	SECTION
E	EAST	SER	SERVICE
EA	EACH	SH	SHEET
E.B.L.	EASTBOUND LANE	SHTG	SHEETING
EF	EACH FACE	SIM	SIMILAR
EJ	EXPANSION JOINT	SPEC	SPECIFICATION
EL, ELEV	ELEVATION	SPECS	SPECIFICATIONS
ELEC	ELECTRICAL	SQ	SQUARE
ENGR	ENGINEER	SS	STAINLESS STEEL
ENR	ENTRANCE	ST	STREET
EOL	END OF LINE	STA	STATION
EP	EDGE OF PAVEMENT	STD	STANDARD
EQ	EQUAL	STL	STEEL
EQPT	EQUIPMENT	STRUCT	STRUCTURAL
EW	EACH WAY, ENDWALL	STY	STORY
EXIST	EXISTING	SURF	SURFACE
EXP	EXPANSION	SYMM	SYMMETRICAL
EXT	EXTERIOR	T	TREAD
FR	FRAME	T & B	TOP AND BOTTOM
FD	FLOOR DRAIN	TDC	TURNED DOWN CURB
FDN	FOUNDATION	TELE	TELEPHONE
FES	FLARED END SECTION	TEMP	TEMPORARY
FF	FINISH FLOOR	THK	THICK
FFE	FINISHED FLOOR ELEVATION	TRTD	TREATED
FIG	FIGURE	TV	TELEVISION
FIN	FINISH	TW	TOP OF WALL
FIXT	FIXTURE	US	TYPICAL
FL	FLOOR	UON	UNDERGROUND
FLEX	FLEXIBLE	U.S.C.&G.S	UNITED STATES COAST AND GEODETIC SURVEY
FLG	FLANGE	V. VAL	VALVE, VENT
FT	FOOT	VAP BAR	VAPOR BARRIER
FTG	FOOTING	VC	VERTICAL CURVE
FUT	FUTURE	VERT	VERTICAL
GAL	GALLON	VOL	VOLUME
GALV	GALVANIZED	VDOT	VIRGINIA DEPARTMENT OF TRANSPORTATION
GAR	GARAGE	V.S.D.	VERTICAL SIGHT DISTANCE
GND	GROUND	W.B.L.	WESTBOUND LANE
GR	GRAVEL	W	WIDE FLANGE, WIDE, WASTE, WATER
GOVT	GOVERNMENT	W/	WITH
GPM	GALLONS PER MINUTE	WD	WOOD
GRTO	GRATING	WL	WATER LINE
GV	GATE VALVE	W/O	WITHOUT
H	HOT	WS	WATER SURFACE
HB	HOSE BIBB	WT	WATERTIGHT, WEIGHT
HK	HOOK	WVDH	WEST VIRGINIA DEPARTMENT OF HIGHWAYS
HM	HOLLOW METAL	WWF	WELDED WIRE FABRIC
HOR, HORIZ	HORIZONTAL	COR	CORNER
HP	HORSE POWER	DW, D/W	DRIVEWAY
HPT	HIGH POINT	PP	POWER POLE
HYD	HYDRANT	TP	TELEPHONE POLE
ID	INSIDE DIAMETER	S/W	SIDEWALK
IN	INCH		
INSUL	INSULATION		
INV	INVERT		
IP	IRON PIN		

LEGEND

EXISTING	NEW	DESCRIPTION
		BUILDING WITH PORCH OR STOOP
		FOUNDATION ONLY
		CONTOUR, CONTOUR WITH ELEVATION
		SPOT ELEVATION
		CONCRETE CURB
		CONCRETE CURB & GUTTER
		CONCRETE WALK OR SLAB
		PAVEMENT
		UNPAVED OR GRAVEL ROAD
		CONSTRUCTION EASEMENT
		PERMANENT EASEMENT
		TREE LINE
		TREE OR SHRUB
		FENCE
		CENTERLINE CREEK, SWALE, DITCH
		PROPERTY LINE
		CENTERLINE OR BASELINE
		LIMIT OF WORK LINE
		FIELD SURVEY TRAVERSE POINT
		P.O. OR P.T.
		GEOLOGIC BORE HOLE
		STORM DRAIN AND ENDWALL
		SANITARY SEWER
		FORCE MAIN
		GAS MAIN OR SERVICE LINE
		WATER MAIN OR SERVICE LINE
		ELECTRICAL LINE
		UNDERGROUND TELEPHONE LINE
		UNDERGROUND ELECTRICAL LINE
		PIPE FITTINGS
		FIRE HYDRANT
		GATE VALVE
		CLEANOUT
		MANHOLE
		DROP INLET (CURB AND GRATING TYPES)
		G.M. - GAS METER, W.M. - WATER METER
		TELEPHONE LINE
		TELEPHONE POLE, GUY AND ANCHOR
		POWER POLE, GUY AND ANCHOR
		LIGHT POLE
		TELEPHONE PEDESTAL
		BURIED TELEPHONE VAULT
		ABANDON OR REMOVE
		PAVED DITCH
		DRIVEWAY CULVERT
		CULVERT WITH FLARED END SECTION
		WATER VALVE
		HUB AND TACK
		AIR RELEASE VALVE

EROSION AND SEDIMENT CONTROL SYMBOLS

EC1		EROSION CONTROL STONE
STB		STRAW BALE BARRIER
IP		STORM DRAIN INLET PROTECTION
DD		TEMPORARY DIVERSION DIKE
ST		TEMPORARY SEDIMENT TRAP
CE		TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
RR		RIPRAP
SF		SILT FENCE
PS		PERMANENT SEEDING
TS		TEMPORARY SEEDING
CD		ROCK CHECK DAMS
OP		OUTLET PROTECTION
CRS		CONSTRUCTION ROAD STABILIZATION

MATERIALS SYMBOLS

	METAL
	BRICK
	CONCRETE MASONRY
	CONCRETE
	GROUT OR FINISHED CONCRETE
	INSULATION (RIGID)
	WOOD BLOCKING
	FINISHED WOOD OR PLYWOOD
	GRAVEL OR STONE
	EARTH

GENERAL NOTES

THE LOCATION OF EXISTING UTILITIES, INCLUDING UNDERGROUND UTILITIES, IS INDICATED ON THE DRAWINGS IN SO FAR AS THEIR EXISTENCE AND LOCATION WERE KNOWN AT THE TIME OF PREPARATION OF THESE DRAWINGS. HOWEVER, NOTHING IN THESE CONTRACT DOCUMENTS SHALL BE CONSTRUED AS A GUARANTEE THAT SUCH UTILITIES ARE IN THE LOCATION INDICATED OR THAT THEY ACTUALLY EXIST OR THAT OTHER UTILITIES ARE NOT WITHIN THE AREA OF OPERATIONS. THE CONTRACTOR SHALL MAKE ALL NECESSARY INVESTIGATIONS TO DETERMINE THE EXISTENCE AND LOCATIONS OF SUCH UTILITIES. THE CONTRACTOR SHALL PAY FOR ANY DAMAGE TO AND FOR MAINTENANCE AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES.

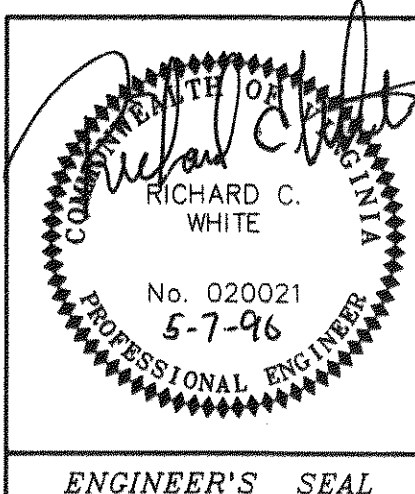
EXISTING WATER LINE LOCATIONS BOTH HORIZONTAL AND VERTICAL ARE APPROXIMATE. THE LOCATION IS NOT THE RESULT OF A FIELD SURVEY.

THE CONTRACTOR IS DIRECTED TO DIG AND LOCATE ALL UTILITIES IN ADVANCE OF PIPELAYING TO ALLOW FOR ADJUSTMENTS DUE TO CONFLICTS WITH EXISTING UTILITIES. SHOULD A CONFLICT ARISE THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY.

THE CONTRACTOR IS REQUIRED TO NOTIFY "MISS UTILITY" AT 1-800-552-7001 AT LEAST TWO, BUT NOT MORE THAN TEN, WORKING DAYS IN ADVANCE OF CONSTRUCTION.

SHEET INDEX

- #1 COVER SHEET
- #2 ABBREVIATION, LEGENDS & GENERAL NOTES
- #3 TRANSPORTATION NOTES
- #4 PLAN & PROFILE STREET 1 S100/W200
- #5 PLAN & PROFILE STREET 1 S100/W200
- #6 PLAN & PROFILE STREET 2 S200/W300
- #7 PLAN & PROFILE STREET 3 S300/W400
- #8 STANDARD DETAILS
- #9 STANDARD DETAILS
- #10 UTILITIES SPECIFICATIONS
- #11 EROSION & SEDIMENT CONTROL DETAILS
- #12 EROSION & SEDIMENT CONTROL DETAILS
- #13 PLAN & PROFILE REVISED 36" CULVERT



REVISION	DATE	DESCRIPTION	BY	APP.
DESIGNED	RCW	BROOKFIELD - SECTION II ABBREVIATIONS, LEGEND, GENERAL NOTES, & INDEX BOTETOURT COUNTY, VIRGINIA		
DRAWN	MLL/REH			
CHECKED	DRM			
APPROVED	RCW			
SUBMITTED	RCW			
IMW.P.C. ENGINEERING - SURVEYING		SCALE: NONE	COMM. NO. 942B	
PHONE (540) 345-0675 FAX (540) 342-4456		DATE: 5/96	SHEET 2	
1401 2ND STREET S.W. ROANOK, VIRGINIA 24016				

VIRGINIA DEPARTMENT OF TRANSPORTATION NOTES:

1. QUALITY CONTROL

STREETS TO BE GRADED, PAVED AND ALL STRUCTURAL COMPONENTS ERECTED IN ACCORDANCE WITH CURRENT VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS AND ROAD DESIGN STANDARDS, ROANOKE COUNTY, VIRGINIA DESIGN STANDARDS SPECIFICATIONS. ALL MATERIALS USED SHALL BE TESTED IN ACCORDANCE WITH STANDARD POLICIES. THE DEVELOPER MUST CONTACT THE OFFICE OF THE RESIDENT ENGINEER PRIOR TO BEGINNING ANY CONSTRUCTION AT WHICH TIME AN INSPECTION AND TESTING PROCEDURE POLICY WILL BE DRAWN. THE DEVELOPER WILL PRODUCE TEXT REPORTS FROM APPROVED INDEPENDENT LABORATORIES AT THE DEVELOPER'S EXPENSE.

THE PAVEMENT DESIGNS SHOWN ARE BASED ON A SUBGRADE CBR VALUE OF 10 OR GREATER. THE SUBGRADE SOIL IS TO BE TESTED BY AN INDEPENDENT LABORATORY AND THE RESULTS SUBMITTED TO THE VIRGINIA DEPARTMENT OF TRANSPORTATION PRIOR TO BASE CONSTRUCTION. SHOULD THE SUBGRADE CBR VALUES BE LESS THAN 10, THEN ADDITIONAL BASE MATERIAL WILL BE REQUIRED IN ACCORDANCE WITH DEPARTMENTAL SPECIFICATIONS.

THE SUBGRADE MUST BE APPROVED BY VIRGINIA DEPARTMENT OF TRANSPORTATION PRIOR TO PLACEMENT OF THE BASE. BASE MUST BE APPROVED BY VIRGINIA DEPARTMENT OF TRANSPORTATION FOR DEPTH, TEMPLATE AND COMPACTION BEFORE SURFACE IS APPLIED.

2. UTILITIES

ALL NECESSARY UTILITY LATERALS ALONG WITH PROVISIONS FOR CONDUITS (I.E. WATER, SEWER, STORM, GAS, AND TELEPHONE) WILL BE CONSTRUCTED PRIOR TO PLACEMENT OF BASE MATERIAL.

GAS OR PETROLEUM TRANSMISSION LINES WILL NOT BE PERMITTED WITHIN THE PAVEMENT OR SHOULDER ELEMENT (BACK OF CURB TO BACK OF CURB) OF THIS DEVELOPMENT. SERVICE LATERALS CROSSING AND PIPE LINES LOCATED OUTSIDE THE PAVEMENT BUT INSIDE THE RIGHT OF WAY WILL BE CONSTRUCTED IN CONFORMITY WITH ASA B 31.8 SPECIFICATIONS AND SAFETY REGULATIONS. DISTRIBUTION LINES WITH PRESSURES LESS THAN 120 LBS. ARE UNAFFECTED BY THE ABOVE.

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

ANY EASEMENTS GRANTED TO A UTILITY COMPANY FOR PLACEMENT OF POWER, TELEPHONE, ETC. MUST BE RELEASED PRIOR TO ACCEPTANCE.

3. PRIVATE ENTRANCES

MODIFIED CG-9D GUTTER WILL BE PROVIDED AT ALL ENTRANCES TO PRIVATE LOTS WHERE STANDARD CG-6 CURB AND GUTTER IS APPROVED FOR USE.

DRIVEWAYS CONNECTING TO ROADS WITHOUT CURB & GUTTER SHALL CONFORM TO THE PAVEMENT, SHOULDER & SLOPE. PERMITS WILL BE REQUIRED FOR ALL PRIVATE ENTRANCES CONSTRUCTED ON STREET RIGHTS OF WAY AFTER ACCEPTANCE INTO THE SECONDARY HIGHWAY SYSTEM.

4. EROSION CONTROL AND LANDSCAPING

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

THE ENTIRE CONSTRUCTION AREA INCLUDING DITCHES, CHANNELS, BACK OF CURBS AND OR PAVEMENT ARE TO BE BACKFILLED AND SEEDED AT THE EARLIEST POSSIBLE TIME AFTER FINAL GRADING.

DRAINAGE EASEMENTS MUST BE DEFINED BY EXCAVATED DITCHES OR CHANNELS FOR THEIR FULL LENGTH TO WELL DEFINED EXISTING NATURAL WATERCOURSES.

THE ROAD WILL BE REVIEWED DURING CONSTRUCTION FOR THE NEED OF PAVED DITCHES. IF EROSION IS ENCOUNTERED IN ANY DRAINAGE EASEMENT, IT WILL BE THE RESPONSIBILITY OF THE DEVELOPER TO SOD, RIP RAP, GROUT PAVE OR TO DO WHATEVER IS NECESSARY TO CORRECT THE PROBLEM.

ALL VEGETATION AND OVERBURDEN TO BE REMOVED FROM SHOULDER TO SHOULDER PRIOR TO THE CONDITIONING (CUTTING AND/OR PREPARATION) OF THE SUBGRADE.

5. INTERSECTION PAVEMENT RADIUS

MINIMUM PAVEMENT RADIUS OF 25 FEET IS REQUIRED AT ALL STREET INTERSECTIONS.

6. CONNECTIONS TO STATE-MAINTAINED ROADS

WHILE THESE PLANS HAVE BEEN APPROVED, SUCH APPROVAL DOES NOT EXEMPT CONNECTIONS WITH EXISTING STATE-MAINTAINED ROADS FROM CRITICAL REVIEW AT THE TIME PERMIT APPLICATIONS ARE MADE. THIS IS NECESSARY IN ORDER THAT THE PREVAILING CONDITIONS BE TAKEN INTO CONSIDERATION REGARDING SAFETY ACCOMPANIMENTS SUCH AS TURNING LANES.

7. GUARDRAILS

STANDARD GUARDRAIL WITH SAFETY END SECTIONS MAY BE REQUIRED ON FILLS AS DEEMED NECESSARY BY THE RESIDENT ENGINEER. AFTER COMPLETION OF ROUGH GRADING OPERATIONS, THE OFFICE OF THE RESIDENT ENGINEER, SHALL BE NOTIFIED SO THAT A FIELD REVIEW MAY BE MADE OF THE PROPOSED LOCATIONS.

WHERE GUARDRAILS ARE TO BE INSTALLED THE SHOULDER WIDTH SHALL BE INCREASED IN ACCORDANCE WITH VDOT ROAD AND BRIDGE STANDARDS.

8. STORM DRAINAGE

FIELD REVIEW WILL BE MADE DURING CONSTRUCTION TO DETERMINE THE NEED AND LIMITS OF PAVED DITCHES AND/OR DITCH STABILIZATION TREATMENTS, AND TO DETERMINE THE NEED AND LIMITS OF ADDITIONAL DRAINAGE EASEMENTS. ALL DRAINAGE EASEMENTS MUST BE CUT AND MADE TO FUNCTION TO A NATURAL WATERCOURSE. ANY EROSION PROBLEMS ENCOUNTERED IN AN EASEMENT MUST BE CORRECTED BY WHATEVER DITCH SLOPES ARE TO BE FOUR TO ONE (4:1) FOR SHOULDER WIDTHS OF SIX FEET (6') OR GREATER AND THREE TO ONE (3:1) FOR SHOULDER WIDTHS OF FOUR FEET (4') OR FIVE FEET (5'), UNLESS OTHERWISE SPECIFIED IN THE PLANS.

9. ENTRANCE PERMIT

CONTRACTOR SHALL OBTAIN ENTRANCE PERMIT TO THE EXISTING VIRGINIA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY FROM RESIDENT ENGINEER PRIOR TO ROAD CONSTRUCTION.

10. INSPECTION

AN INSPECTOR WILL NOT BE FURNISHED EXCEPT FOR PERIODIC PROGRESS INSPECTION, THE ABOVE MENTIONED FIELD REVIEWS AND CHECKING FOR REQUIRED STONE DEPTHS. THE DEVELOPER WILL BE REQUIRED TO POST A SURETY TO GUARANTEE THE ROAD FREE OF DEFECTS FOR ONE YEAR AFTER ACCEPTANCE BY THE DEPARTMENT OF TRANSPORTATION.

11. STREET MAINTENANCE

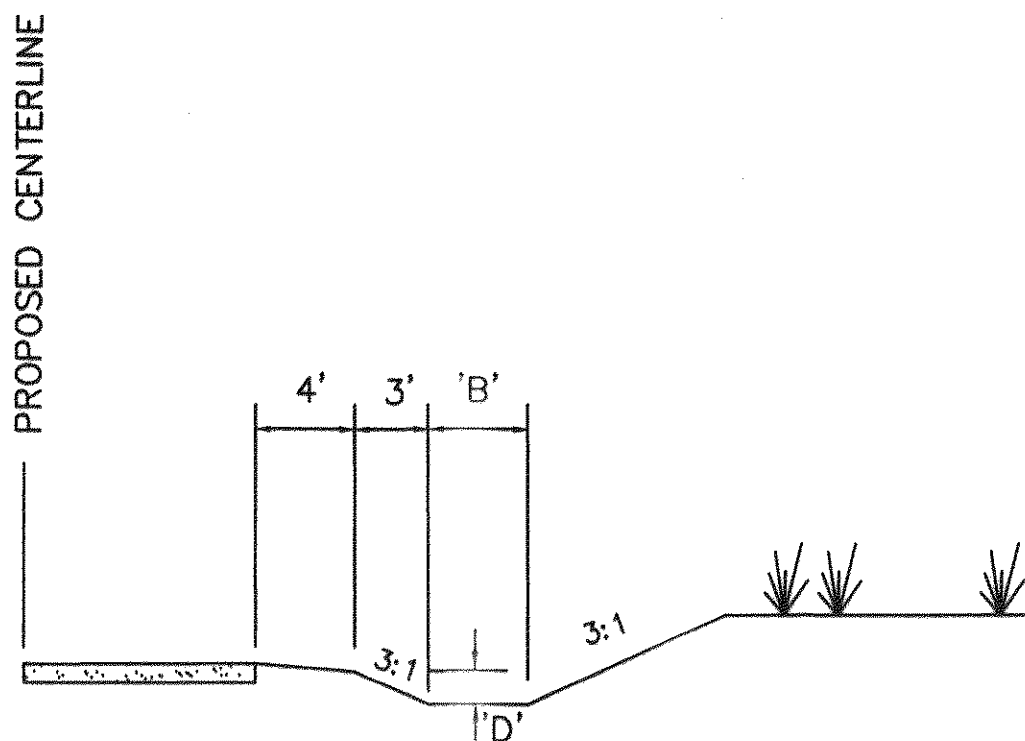
THE STREETS MUST BE PROPERLY MAINTAINED UNTIL ACCEPTANCE. AT SUCH TIME AS ALL REQUIREMENTS HAVE BEEN MET FOR ACCEPTANCE, ANOTHER INSPECTION WILL BE MADE TO DETERMINE THAT THE STREET HAS BEEN PROPERLY MAINTAINED.

12. UNDERGROUND UTILITIES

CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHOWN ON THE PLANS IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK BY CONTACTING MISS UTILITY. CONTACT SITE ENGINEER IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLANS. IF THERE APPEARS TO BE A CONFLICT AND UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THIS PLAN, CALL "MISS UTILITY" OF CENTRAL VIRGINIA AT 1-800-552-7001.

13. REVISIONS OF SPECIFICATIONS AND STANDARDS

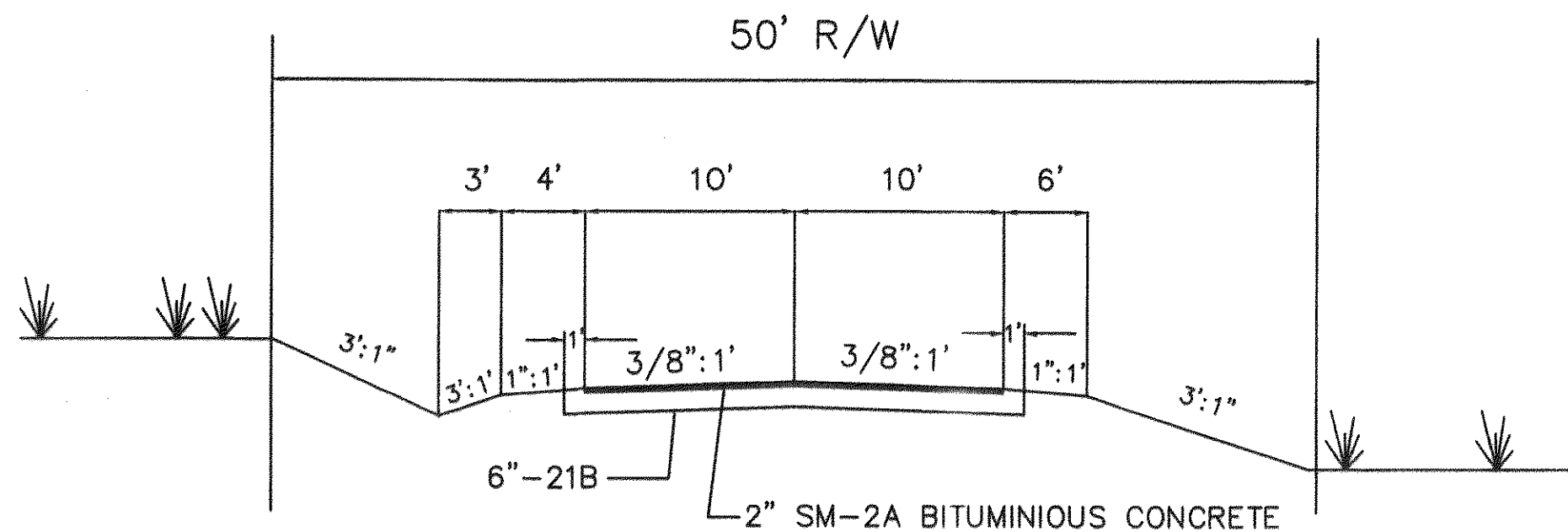
APPROVAL OF THESE PLANS WILL BE BASED ON SPECIFICATIONS AND STANDARDS IN EFFECT AT THE TIME OF APPROVAL AND WILL BE SUBJECT, UNTIL COMPLETION OF THE ROADWAY AND ACCEPTANCE BY THE DEPARTMENT, TO FUTURE REVISIONS OF THE SPECIFICATIONS AND STANDARDS.



DETAIL 'A'

MODIFIED ROADSIDE DITCH
NO SCALE

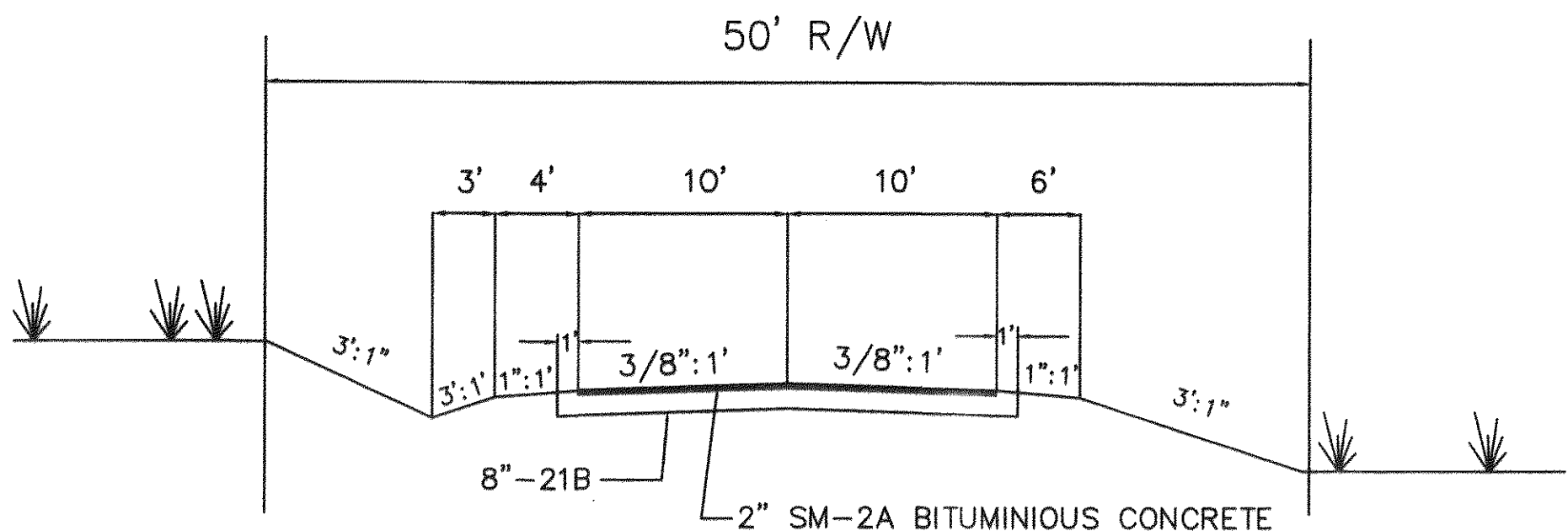
BASELINE	STA	TO	STA	'B'	'D'
STREET '1'	0+10		4+00	2'	2'



CATEGORY I

TYPICAL PAVEMENT SECTION
NO SCALE

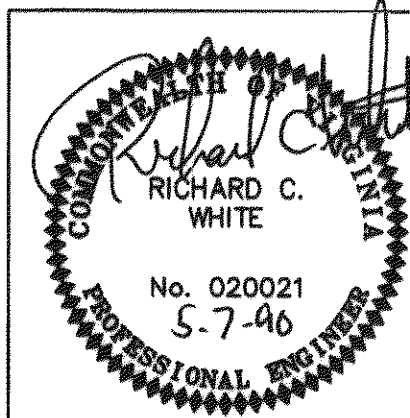
STA. 0+00.00 TO STA. 7+03.69 - STREET '2'



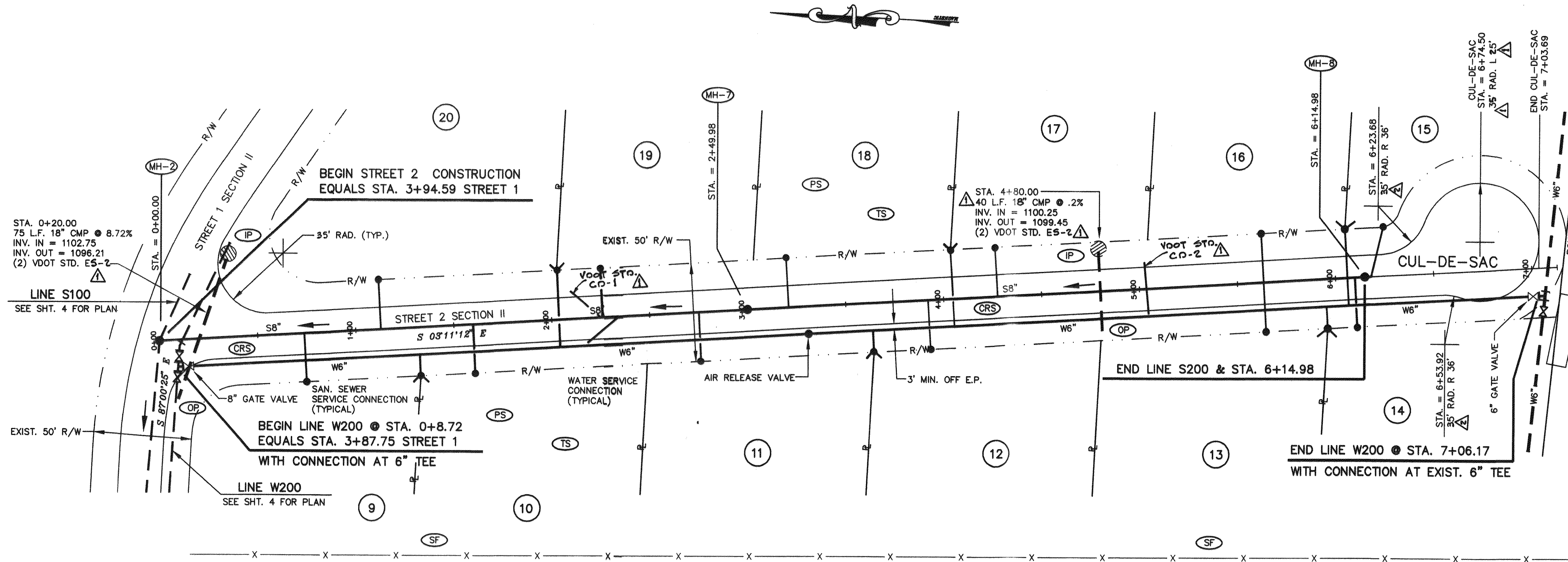
CATEGORY II

TYPICAL PAVEMENT SECTION
NO SCALE

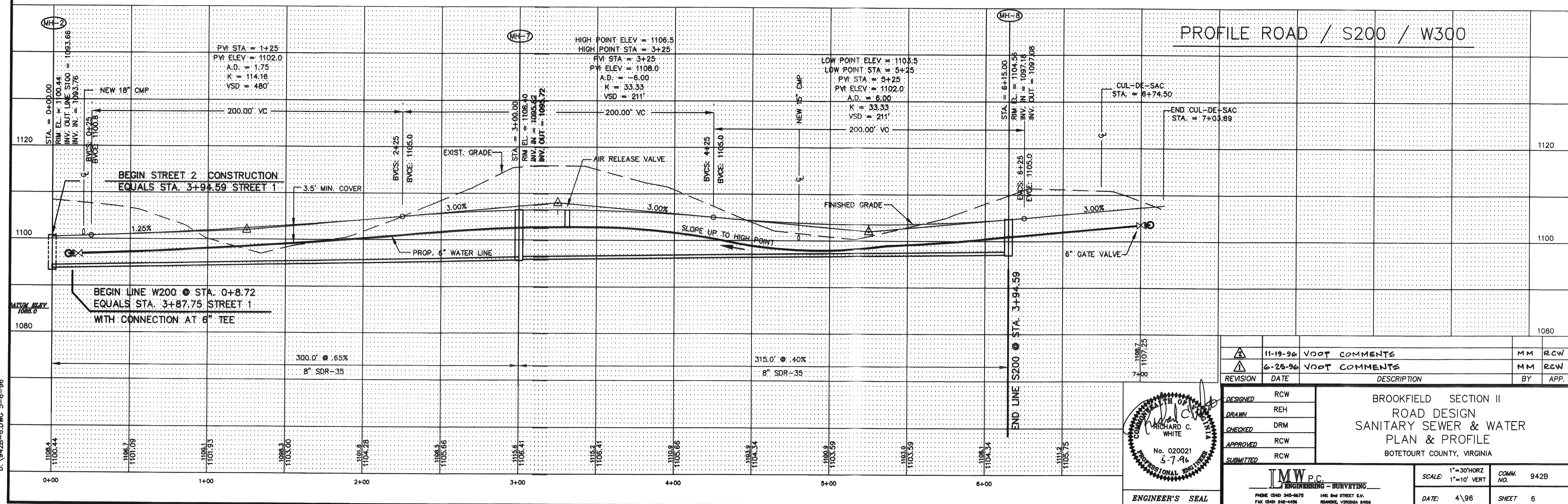
STA. 0+10.00 TO STA. 13+15.00 - STREET '1'
STA. 0+10.00 TO STA. 6+05.61 - STREET '2'



REVISION	DATE	DESCRIPTION	BY	APP.
DESIGNED	DME	BROOKFIELD - SECTION II ROADWAY CONSTRUCTION AND GENERAL NOTES ROANOKE COUNTY, VIRGINIA		
DRAWN	DME			
CHECKED	RCW			
APPROVED	RCW			
SUBMITTED	DRM			
ENGINEER'S SEAL		IMW P.C. ENGINEERING - SURVEYING PHONE: (703) 340-9075 FAX: (703) 340-4000 1401 2nd STREET S.W. ROANOKE, VIRGINIA 24060		SCALE: NONE DATE: 5/96
				COMM. NO. 942B SHEET 3

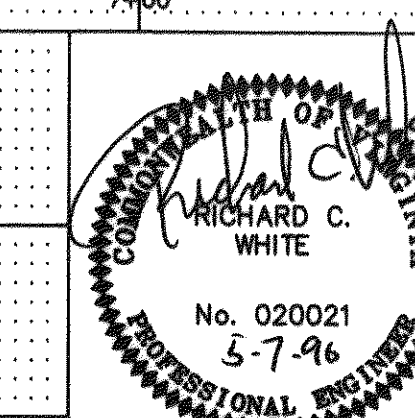


PLAN VIEW ROAD / S200 / W300



PROFILE ROAD / S200 / W300

		11-19-96	VOOT COMMENTS	MM	RCW	
		6-26-96	VOOT COMMENTS	MM	RCW	
REVISION	DATE	DESCRIPTION			BY APP.	
DESIGNED		RCW	BROOKFIELD SECTION II ROAD DESIGN SANITARY SEWER & WATER PLAN & PROFILE BOTETOURT COUNTY, VIRGINIA			
DRAWN		REH				
CHECKED		DRM				
APPROVED		RCW				
SUBMITTED		RCW				
TMW P.C. ENGINEERING - SURVEYING PHONE (540) 346-0675 FAX (540) 346-4456			SCALE: 1"=30'HORIZ 1"=10' VERT DATE: 4/96			COMM. NO. 942B SHEET 6



ENGINEER'S SEAL

D:\942B-6.DWG 5-6-96

STA. 0+20.00
60 L.F. 15" CMP @ 3.33%
INV. IN = 1118.00
INV. OUT = 1104.00
(2) VDOT STD. EW-1

BEGIN STREET 3 CONSTRUCTION
AND SAN. SEWER LINE S300
EQUALS STA. 9+90.00 STREET 1

BEGIN LINE W400 @ STA. 0+13.97
WITH CONNECTION AT 8" TEE
EQUALS STA. 10+04.03 STREET 1
8" GATE VALVE

BEGIN LINE W-500 @ STA. 10+00
SEE THIS SHEET FOR PROFILE

END LINE W400 @ STA. 4+57.83

END LINE S300 @ STA. 4+00.22

END LINE W500 @ STA. 10+78

CONNECT TO EXIST. 8" GATE VALVE FROM PUMPING FACILITY

C-2
Δ = 86'-24'-57"
T = 244.69'
L = 392.90'
R = 260.50'
D = 21'-59'-40"
PC = 0+64.93
PI = 3+09.22
PT = 4+57.83

PLAN VIEW ROAD / S300 / W400 / W500

PROFILE LINE W500

BEGIN LINE W500 @ STA. 10+00

END LINE W500 @ STA. 10+78
WITH CONNECTION @ EXIST. 8" VALVE

REVISION	DATE	DESCRIPTION	BY	APP.
DESIGNED	RCW			
DRAWN	REH			
CHECKED	DRM			
APPROVED	RCW			
SUBMITTED	RCW			

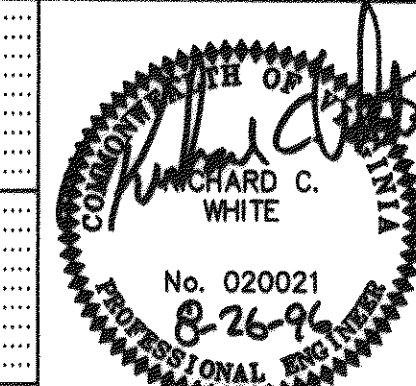
ADD PLAN & PROFILE LINE W500
VA. DEPT. OF HEALTH COMMENTS

BROOKFIELD SECTION II
ROAD DESIGN
SANITARY SEWER & WATER
PLAN & PROFILE
BOTETOURT COUNTY, VIRGINIA

IMW.P.C.
ENGINEERING - SURVEYING

PHONE (404) 945-0675 1401 BAY STREET S.W.
FAX (404) 945-1456 KENNESAW, VIRGINIA 24164

SCALE: 1"=30' HORIZ
1"=10' VERT
DATE: 4/96
SHEET 7



ENGINEER'S SEAL