ABBREVIATIONS

ABUT	ABUTMENT
ADD	ADDITIONAL
ADJ	ADJACENT
AGGR	AGGREGATE
AHR	ANCHOR
AL	ALUMINUM
ALT	ALTERNATE
APPROX	APPROXIMATE
AWWA	AMERICAN WATER WORKS ASSOCIATION
BIT	BITUMINOUS
BL	BASE LINE
BLDG	BUILDING
BM	BENCH MARK
BOT	BOTTOM
B	BRICK
BSMT	BASEMENT
C TO C C/C	CENTER TO CENTER
C & G	CURB & GUTTER
CAP	CAPACITY
CF	CUBIC FEET
CY	CUBIC YARD
CI	CAST IRON
CIRC	CIRCULAR
CL	CENTER LINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CND	CONDUIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT, CONNECTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CTR	CENTER
CULV	CULVERT
D	DEPTH DEGREE OF CURVE
DEPT	DEPARTMENT
DET	DETAIL
DI	DROP INLET, DUCTILE IRON
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DMH	DROP MANHOLE
DN	DOWN
DR	DRIVE
DWL	DWELLING
DWG	DRAWING
E	EAST
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
ELEV	ELEVATION
ELEC	ELECTRIC, ELECTRICAL
ENGR	ENGINEER
ENTR	ENTRANCE
EOL	END OF LINE
EP	EDGE OF PAVEMENT
EQ	EQUAL
EQPT	EQUIPMENT
EW	EACH WAY, ENDWALL
EXST	EXISTING
EXT	EXTERIOR
F	FRAME
FD	FLOOR DRAIN
FDN	FOUNDATION
FES	FLARED END SECTION
FIG	FIGURE
FIN	FINISH
FL	FLOOR
FLEX	FLEXIBLE
FLG	FLANGE
FT	FOOT
FTG	FOOTING
GAL	GALLON
GALV	GALVANIZED
GND	GROUND
GOVT	GOVERNMENT
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HB	HOSE BIBB
HORZ	HORIZONTAL
HP	HORSEPOWER
HPT	HIGH POINT
HYD	HYDRANT
ID	INSIDE DIAMETER
IN	INCH
INVT	INVERT
JB	JUNCTION BOX
L	LENGTH
LF	LINEAL FOOT
LP	LOW POINT
LT	LEFT
MATL	MATERIAL
MAX	MAXIMUM
MFR	MANUFACTURER
MN	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MON	MONUMENT
N & C	NAIL & CAP
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PL	PLATE, PROPERTY LINE
POT	POINT ON TANGENT
PERF	PERFORATED
POL	POINT ON LINE
PRC	POINT OF REVERSE CURVE
PSI	POUNDS PER SQ INCH
PT	POINT OF TANGENT
PVC	POINT OF VERTICAL CURVE POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
R	RADIUS
RT	RIGHT
R/W	RIGHT OF WAY
RD	ROOF DRAIN, ROAD
RDCR	REDUCER
REINF	REINFORCE, REINFORCEMENT
REQD	REQUIRED
REV	REVISION
S	SANITARY SEWER, SOUTH, STORY
SAN	SANITARY
SCH	SCHEDULE
SD	STORM DRAIN
SECT	SECTION
SH	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SST	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
SURF	SURFACE
SER	SERVICE
SUR	SURVEY
TDC	TURNED DOWN CURB
TELE	TELEPHONE
TEMP	TEMPORARY
THK	THICK
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
UG	UNDERGROUND
V	VALVE
VC	VERTICAL CURVE
VERT	VERTICAL
VOL	VOLUME
VDHT	VIRGINIA DEPT OF HIGHWAYS AND TRANSPORTATION
W/	WITH
W/O	WITHOUT
WD	WOOD
WL	WATER LINE
WS	WATER SURFACE
WT	WATERTIGHT
WWF	WELDED WIRE FABRIC
WVDH	WEST VIRGINIA DEPT OF HIGHWAYS

LEGEND

EXISTING	NEW	DESCRIPTION
		BUILDING WITH PORCH OR STOOP
		FOUNDATION ONLY
35	35	CONTOUR, CONTOUR WITH ELEVATION
20.0	20.0	SPOT ELEVATION
		CONCRETE CURB
		CONCRETE CURB & GUTTER
		CONCRETE WALK OR SLAB
		TREE LINE
		TREE OR SHRUB
		FENCE AND GATE
		CENTERLINE OF DITCH OR SWALE
		PROPERTY LINE
		CENTERLINE OR BASELINE
		LIMIT OF WORK LINE
		FIELD SURVEY TRAVERSE POINT
		P.C. OR P.T.
		GEOLOGIC BORE HOLE
SD	SD	STORM DRAIN AND ENDWALL
S	S	SANITARY SEWER
G	G	GAS MAIN OR SERVICE LINE
W	W	WATER MAIN OR SERVICE LINE
E	E	ELECTRICAL LINE
		PIPE FITTINGS AND REACTION BLOCKING
		FIRE HYDRANT
		GATE VALVE
CO CO	CO CO	CLEANOUT
		MANHOLE
		DROP INLET (CURB AND GRATING TYPES)
GM WM	GM WM	G.M. - GAS METER, W.M. - WATER METER
T		TELEPHONE LINE
		POLE, GUY AND ANCHOR
		GUY AND ANCHOR
		TELEPHONE PEDESTAL
		BURIED TELEPHONE VAULT
		ABANDON OR REMOVE
		PAVED DITCH
		DRIVEWAY CULVERT
		CULVERT WITH FLARED END SECTION
		IRON PIN OR PINCH PIPE
	EC-1	EROSION CONTROL STONE
		STRAW BALES AND SILT TRAP
	IP	STORM DRAIN INLET PROTECTION
	DD	TEMPORARY DIVERSION DIKE
	ST	TEMPORARY SEDIMENT TRAP
	CE	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
	STB	STRAW BALE BARRIER
	RR	RIPRAP
FM	FM	FORCE MAIN

GENERAL NOTES

1. Existing topographic information is taken from:

   a. Aerial photography taken by Aerial Data Reduction Associates, Inc. in March, 1983.

   b. Field surveys performed by Guffey, Hubbell, McGhee, P.C. in March and July, 1983.

2. Elevations are USGS datum, unless otherwise indicated.

3. Grid co-ordinates shown are Virginia State Plane Co-ordinate System.

4. Bearings are from true north.

5. Contractor shall confirm the location of existing horizontal and vertical control points and shall establish any additional control points required for construction.

6. The location of existing utilities, including underground utilities, is indicated on the drawings insofar as their existence and location were known at the time of preparation of the 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. Particular care shall be taken in working around the large, high pressure gas mains and the large diameter water pipes.

7. The Contractor is directed to dig and locate all utilities, in advance of the pipelaying, to allow for adjustments, due to conflicts with the utilities, in the horizontal and vertical location of the pipe line.

8. All existing and new manhole, hand hole and valve box tops shall be adjusted to finish grade prior to placing pavement surface course.

9. All curb and gutter is VDH&T Standard CG-6 unless otherwise noted. Transition of new curb and gutter to existing shall match existing. Either City of Roanoke Standard or VDH&T Standard CG-6.

10. Bench Mark: USC&GS Disc stamped Glade AZ1. Disc is on [illegible] Road 58 yards north of centerline of [illegible] Avenue at north [illegible] of Service Station [illegible] yards south of centerl[illegible] Avenue [illegible] facing west in top 10-inch [illegible] east end of wall, [illegible]

11. The [illegible] shall [illegible] note of the Special Conditions [illegible] the [illegible] existing work in the Williamson Road right-[illegible]

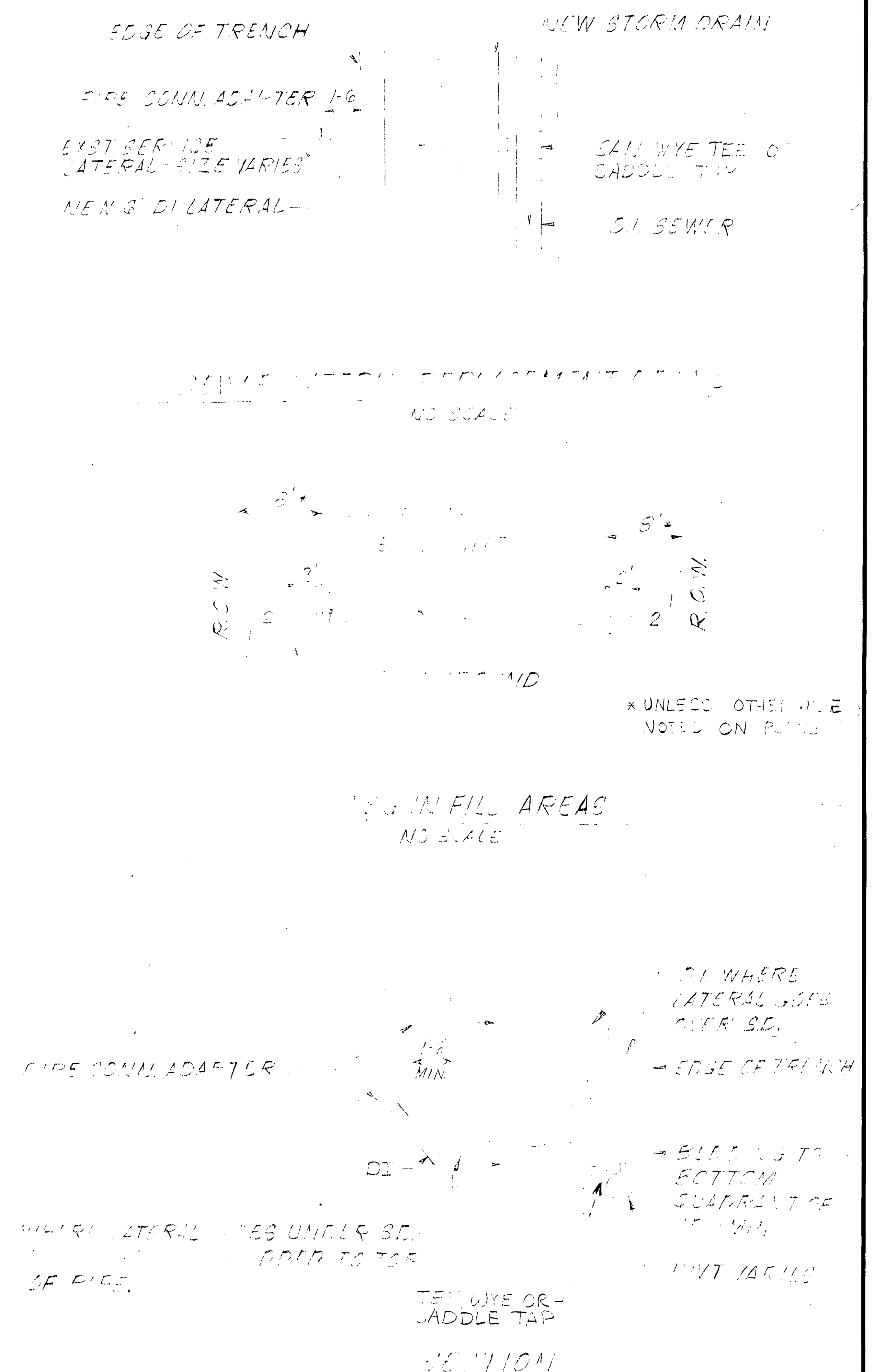
12. The Contractor shall note the requirements at several locations in the plans for advance digging to locate existing underground utilities.

14. Note the standard details in the specifications.

15. Contractor shall arrange for utility pole relocations as his schedule requires.

16. Face of all new curb and gutter and curb inlets shall be set 8' (eight feet) from right of way line unless otherwise noted.

17. All concrete pipe shall be Class III unless otherwise noted.



VICINITY MAP
NO SCALE

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REVISION	DATE	DESCRIPTION	BY	APP.
1	9/16/83	RECORD DWG	SWH	

DATE
JULY
1983
COMM.
428

ABBREVIATIONS, LEGEND, GENERAL NOTES AND VICINITY MAP

SHEET
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