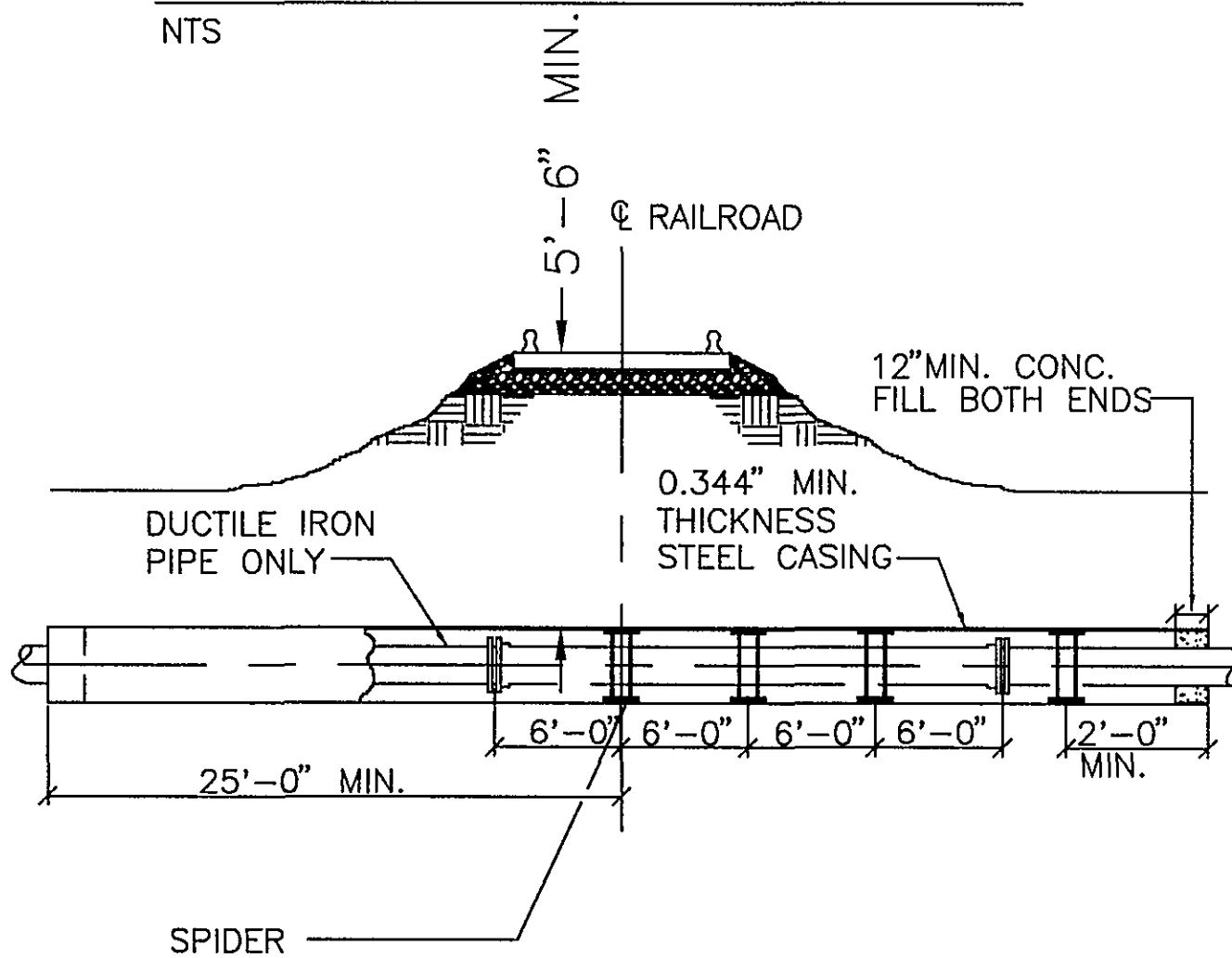


**NOTE:**  
STEEL CASING TO EXTEND TO BACK OF CURB OR MIN. 3'-0" BEYOND EDGE OF PAVEMENT  
ALL JOINTS IN CASING PIPES SHALL HAVE RESTRAINED JOINTS

**TYPICAL STEEL SLEEVE  
INSTALLATION UNDER ROADWAY**  
NTS

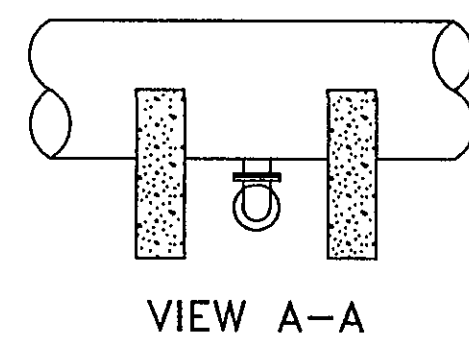
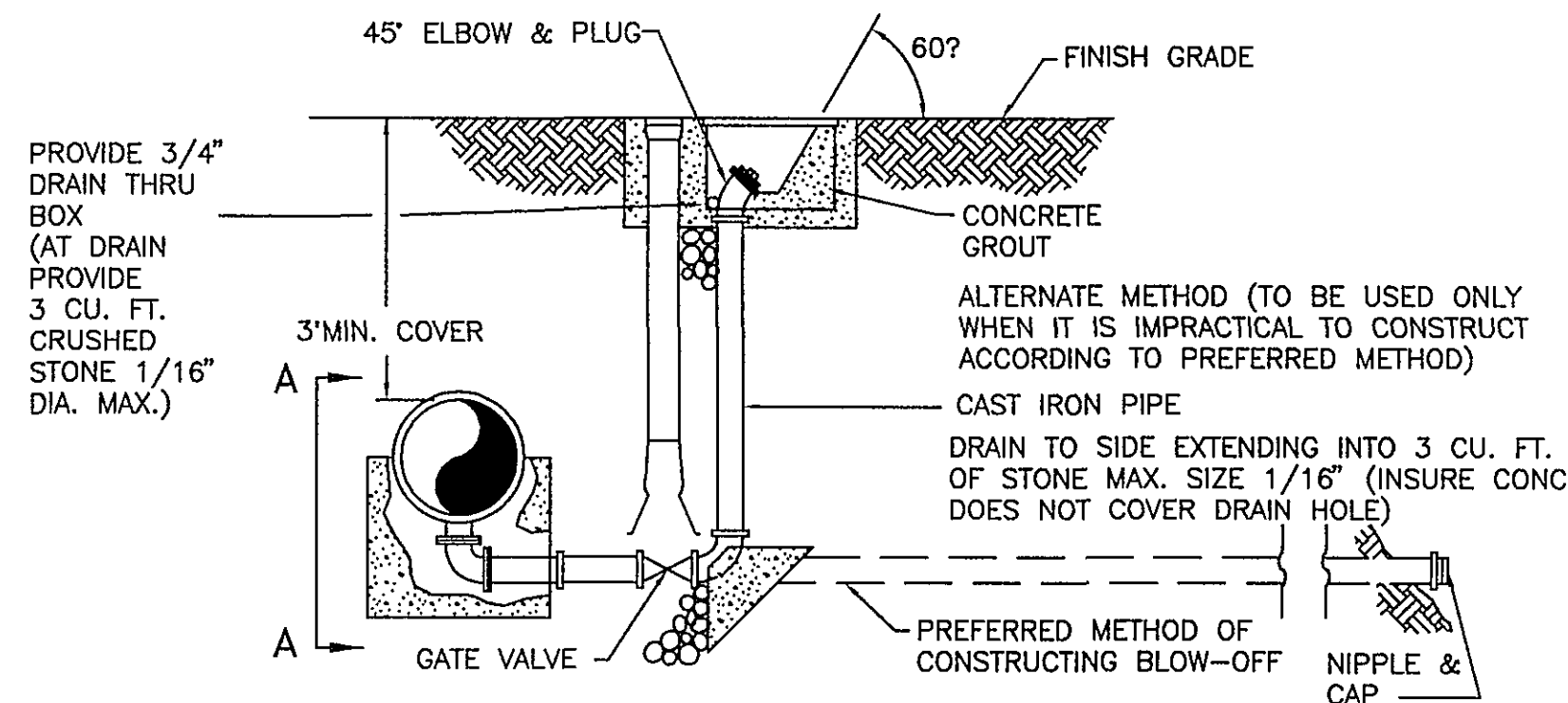


**NOTE :**  
ALL JOINTS IN CASING PIPES SHALL HAVE RESTRAINED JOINTS

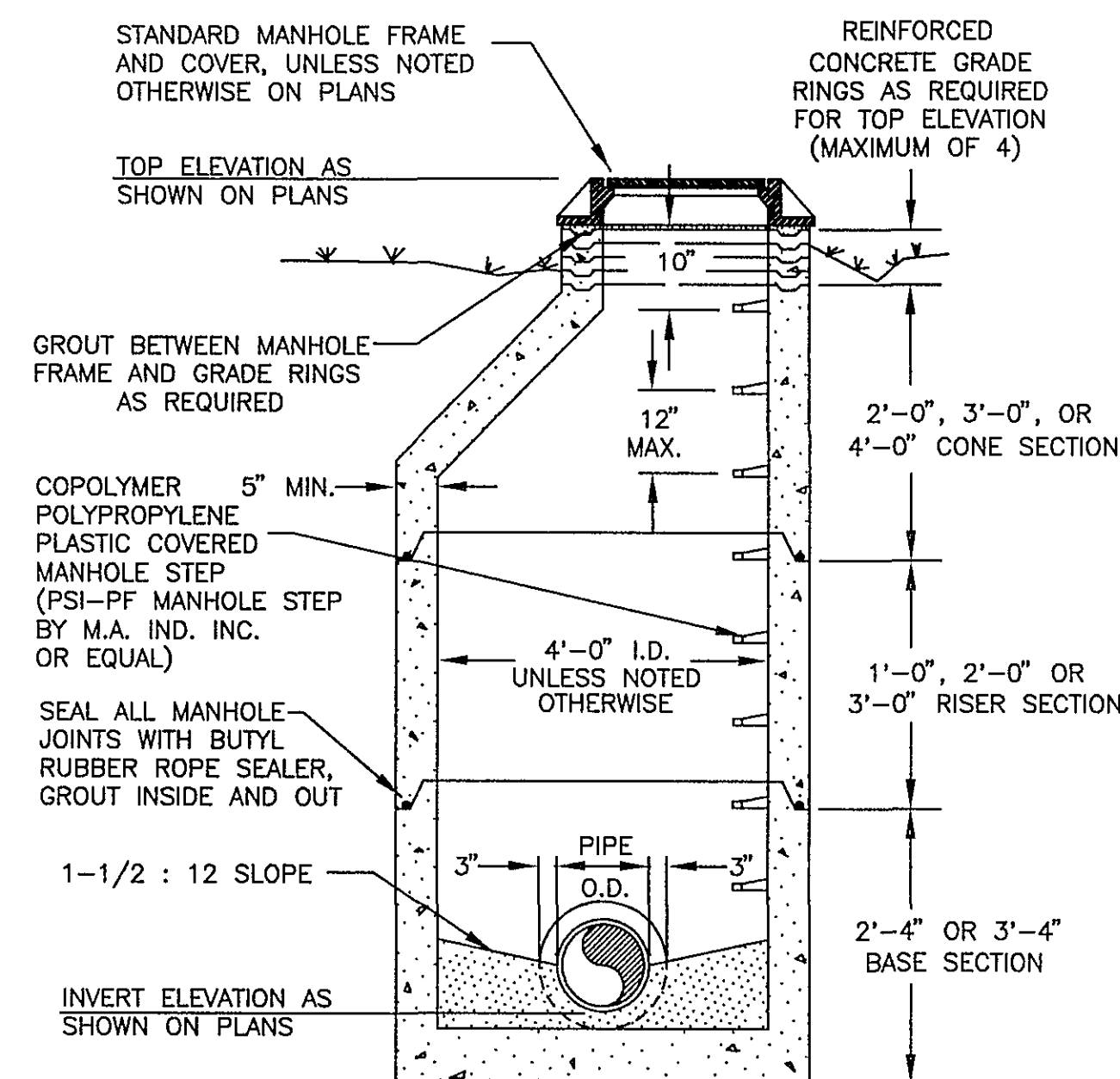
**TYPICAL STEEL SLEEVE  
INSTALLATION UNDER RAILROAD**  
NTS

**BLOW-OFF VALVE CHART**

PIPE SIZE	VALVE SIZE
30" - 36"	8"
16" - 24"	6"
6" - 12"	4"



**BLOW-OFF DETAIL**  
NTS



**NOTE :** MINIMUM REINFORCING SHALL BE 0.12 SQ. INCHES PER LINEAR FOOT IN EACH DIRECTION

**STANDARD PRECAST MANHOLE  
with MONOLITHIC BASE**  
NTS

**LEGEND**

	PROPOSED SANITARY SEWER LINE
	PROPOSED MANHOLE
	PROPOSED SERVICE LINE
	PROPOSED CLEANOUT
	PROPOSED FORCE MAIN
	PROPOSED WATER LINE
	PROPOSED EASEMENT
	PROPOSED RIGHT OF WAY
	PROPOSED FIRE HYDRANT
	PROPOSED SAMPLE HYDRANT
	PROPOSED VALVE (TYPE NOTED)
	PROPOSED VALVE W/VAULT (TYPE NOTED)
	PROPOSED AIR RELEASE / VACUUM VALVE W/VAULT (TYPE NOTED)
	PROPOSED BLOWOFF VALVE
	PROPOSED WATER METER
	PROPOSED CONCRETE ENCASEMENT
	PROPOSED STEEL ENCASEMENT
	EXISTING WATER LINE
	EXISTING SEWER LINE & MANHOLE
	EXISTING SEWER LINE
	EXISTING STORM PIPE (TYPE NOTED)
	EXISTING GAS LINE
	EXISTING POWER LINE
	EXISTING TELEPHONE CABLE
	EXISTING TELEVISION LINE/BOX
	EXISTING RIGHT OF WAY
	EXISTING EASEMENT
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING VALVE (TYPE NOTED)
	EXISTING VALVE W/VAULT (TYPE NOTED)
	EXISTING SIGN
	SPOT ELEVATION
	FIRST FLOOR ELEVATION
	BASEMENT ELEVATION
	UTILITY POLE & GUY WIRE
	SURVEY STATION & BASE LINE
	HUB & TAC
	IRON PIN FOUND
	FENCE
	ROCK WALL
	WATER
	TREE
	INEQUALITY
	BENCHMARK
	MONITORING WELL
	LIGHT
	SILT FENCE
	TEMPORARY SEDIMENT TRAP
	ROCK CHECK DAM

Architects  
Engineers  
Planners  
Surveyors

**Dewberry & Davis**

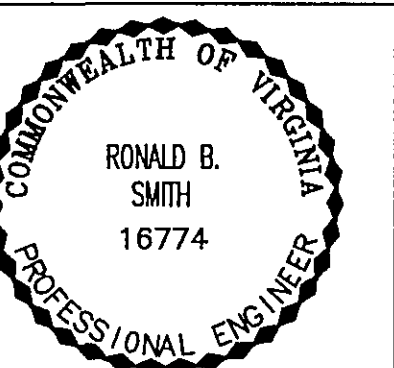
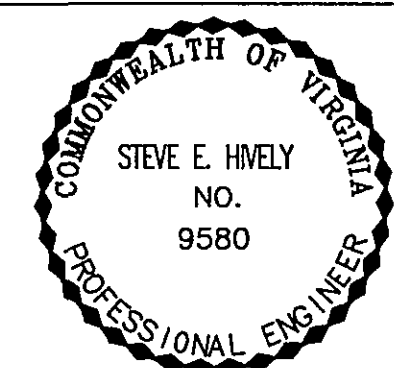
5238 Valleypointe Parkway, Suite One-B  
Roanoke, Virginia 24019  
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**Carvins Cove, Phase II**  
City of Roanoke  
Roanoke, Virginia

**CONTRACT "B1"**  
DETAILS  
SOIL EROSION CONTROL  
LEGEND

Drawn By ACF  
Designed By RBS  
Checked By SEH  
Date APRIL 93  
Scale AS SHOWN

Plan Number B1DTRWL3  
Zoned NONE  
Sheet 25 of 25  
File Number C1160



ENGINEER'S SEAL

ENGINEER'S SEAL

AS BUILT