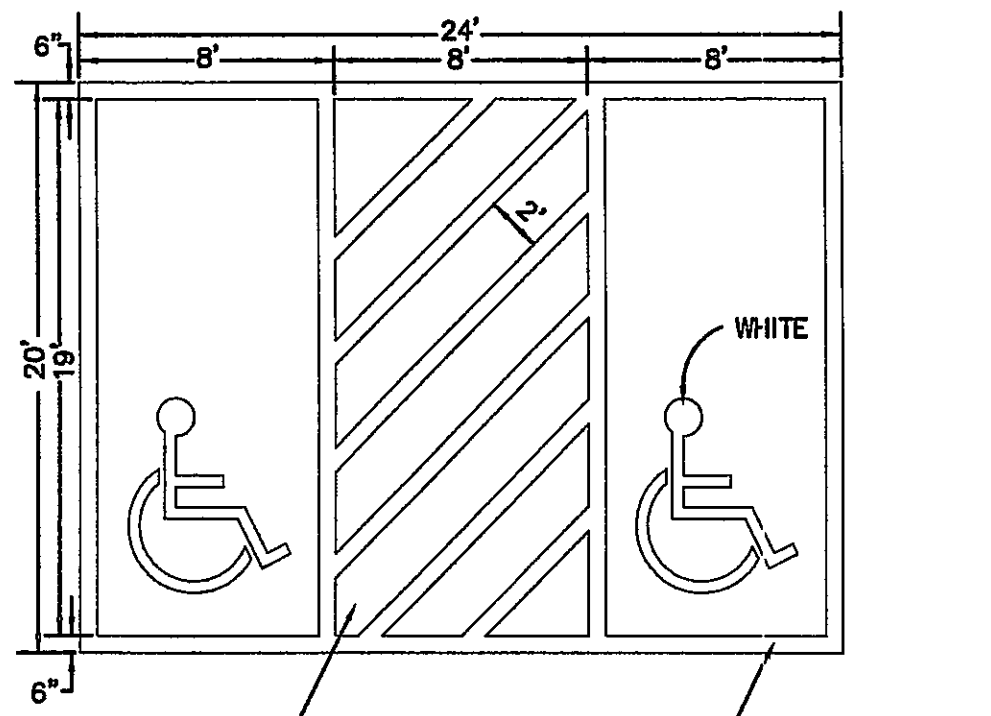


05271comp-nd01.dwg  
w:\drawings\2005\05271\eng\05271comp.dwg  
05271comp-nd01.dwg



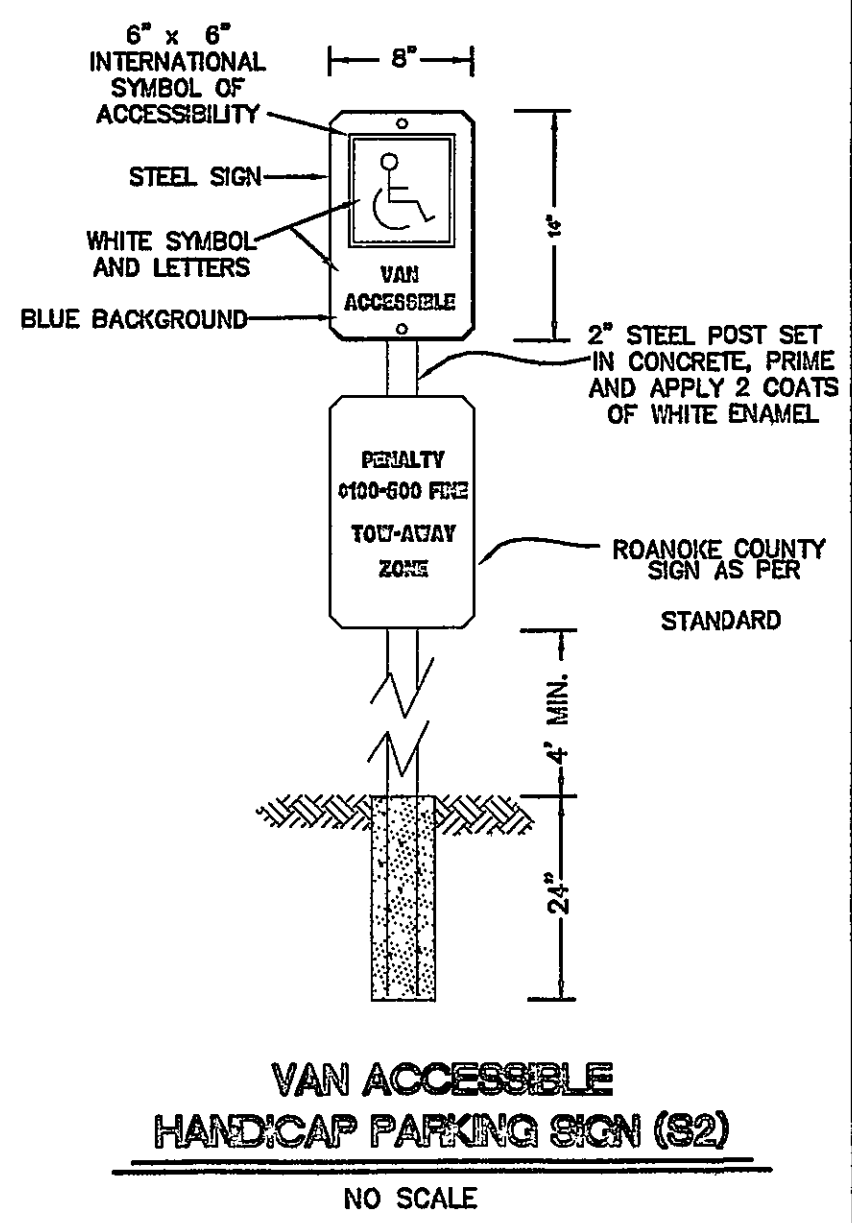
TWO HANDICAPPED SYMBOLS REQUIRED IF APPROACHED FROM BOTH ENDS

PAINT: DURO KOTE ACRYLIC LATEX WHITE

NOTE: THIS DESIGN IS TO BE USED FOR MULTIPLE SPACES ONLY.

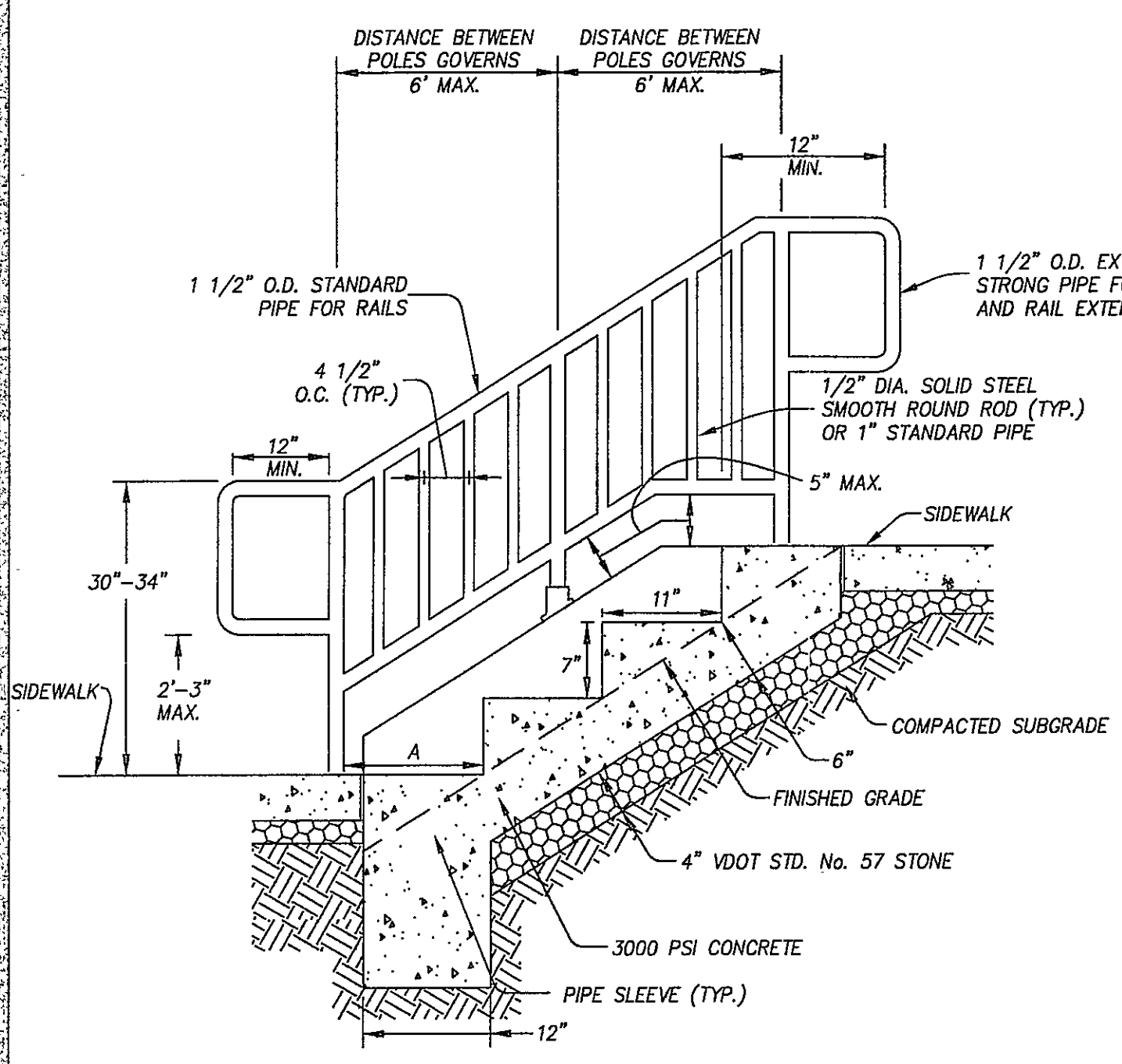
**HANDICAP PARKING SPACE**

NO SCALE



**VAN ACCESSIBLE HANDICAP PARKING SIGN (S2)**

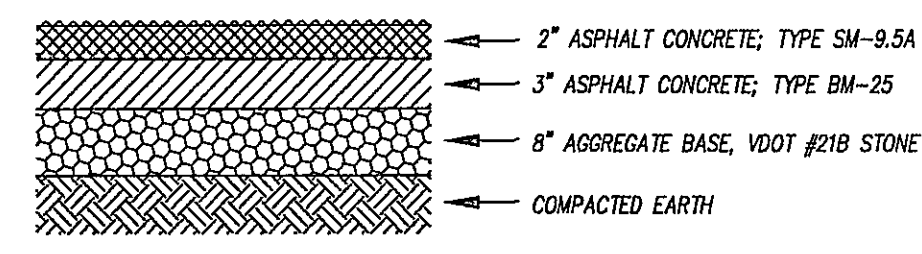
NO SCALE



NOTES:  
1. HAND RAIL SHALL BE PRIMED AND RECEIVE TWO COATS OF ENAMEL PAINT (COLOR: GRAY).  
2. A = WIDTH OF ONE TREAD WHICH IS REQUIRED AT EACH BOTTOM RISER.

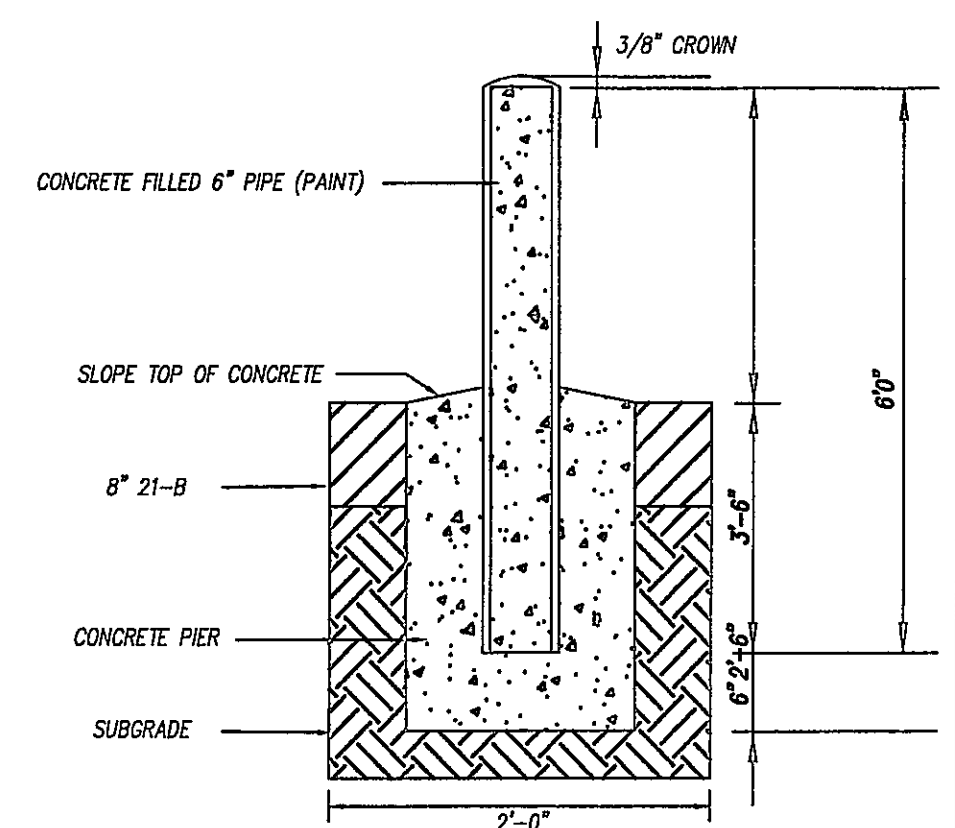
**CONCRETE STEPS WITH HAND RAIL**

NO SCALE



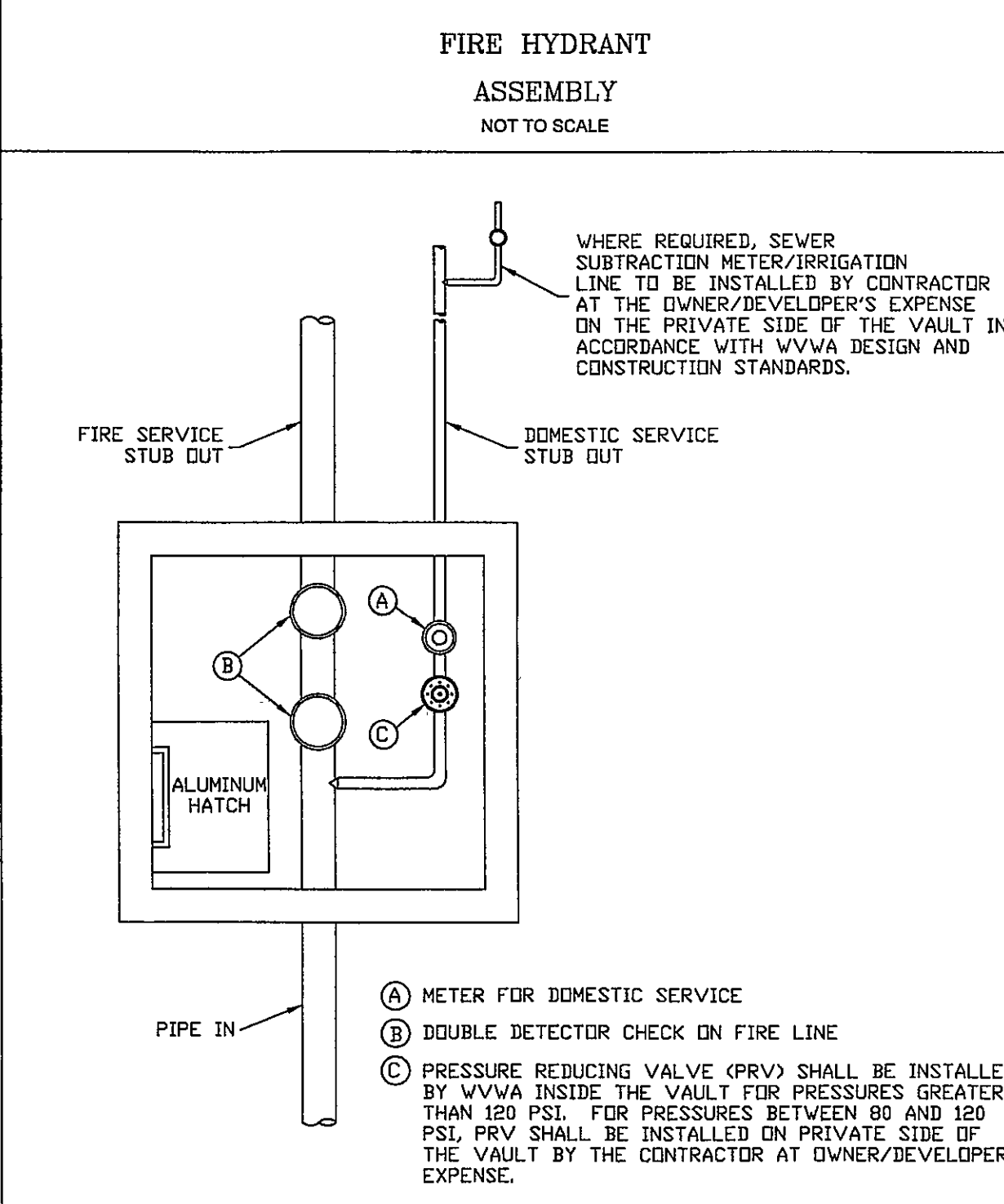
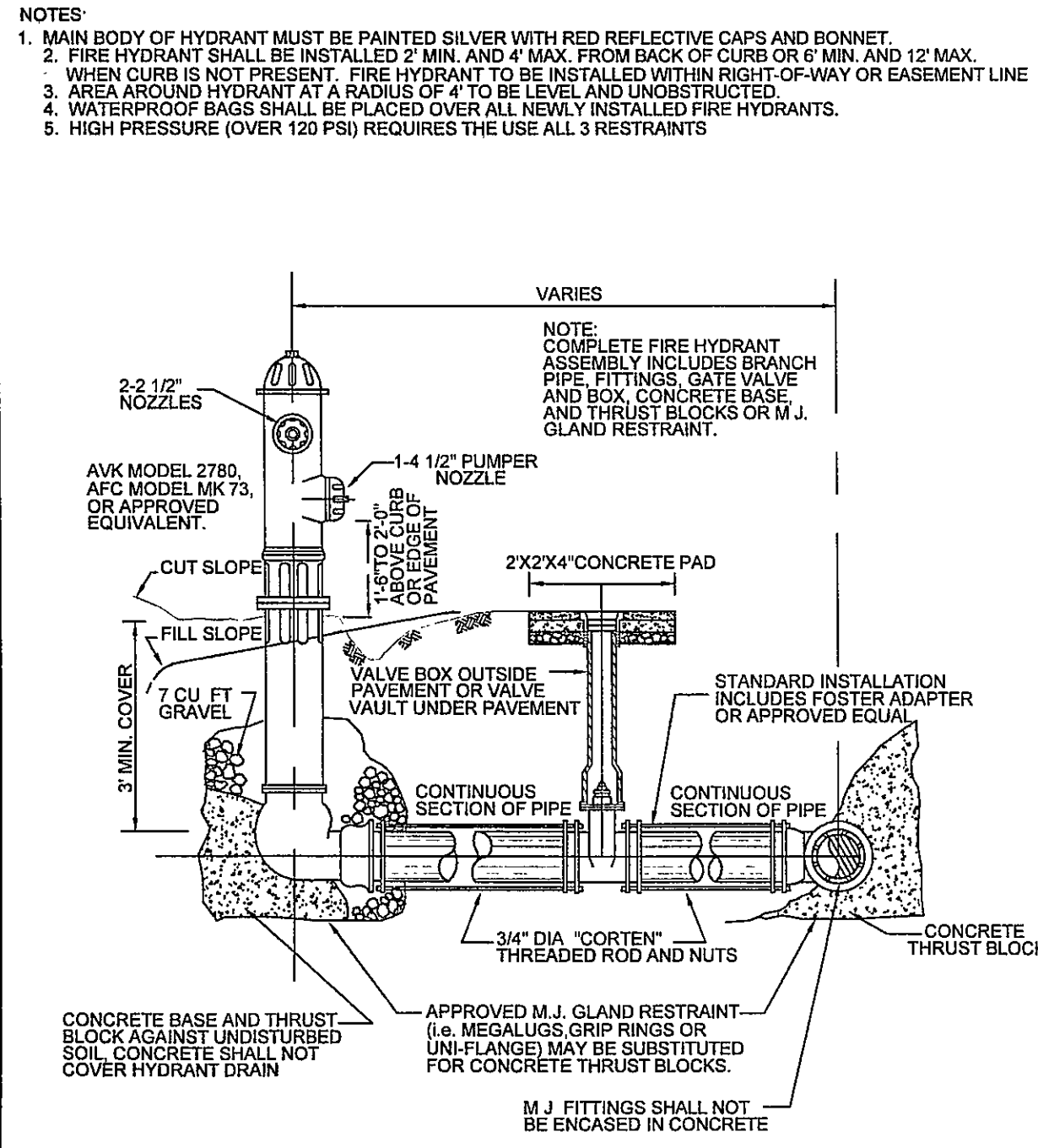
**PAVEMENT DETAIL - HEAVY DUTY**

NO SCALE



**PIPE BOLLARD DETAIL**

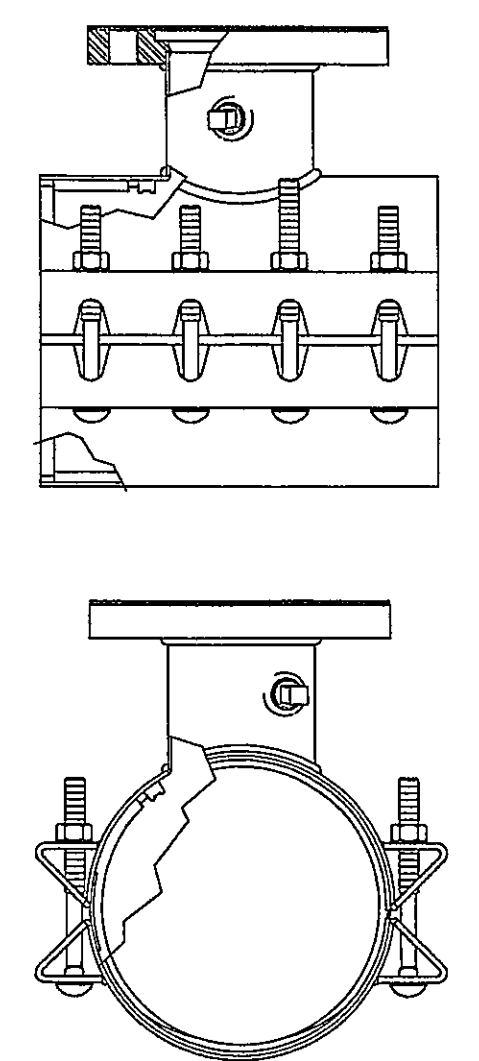
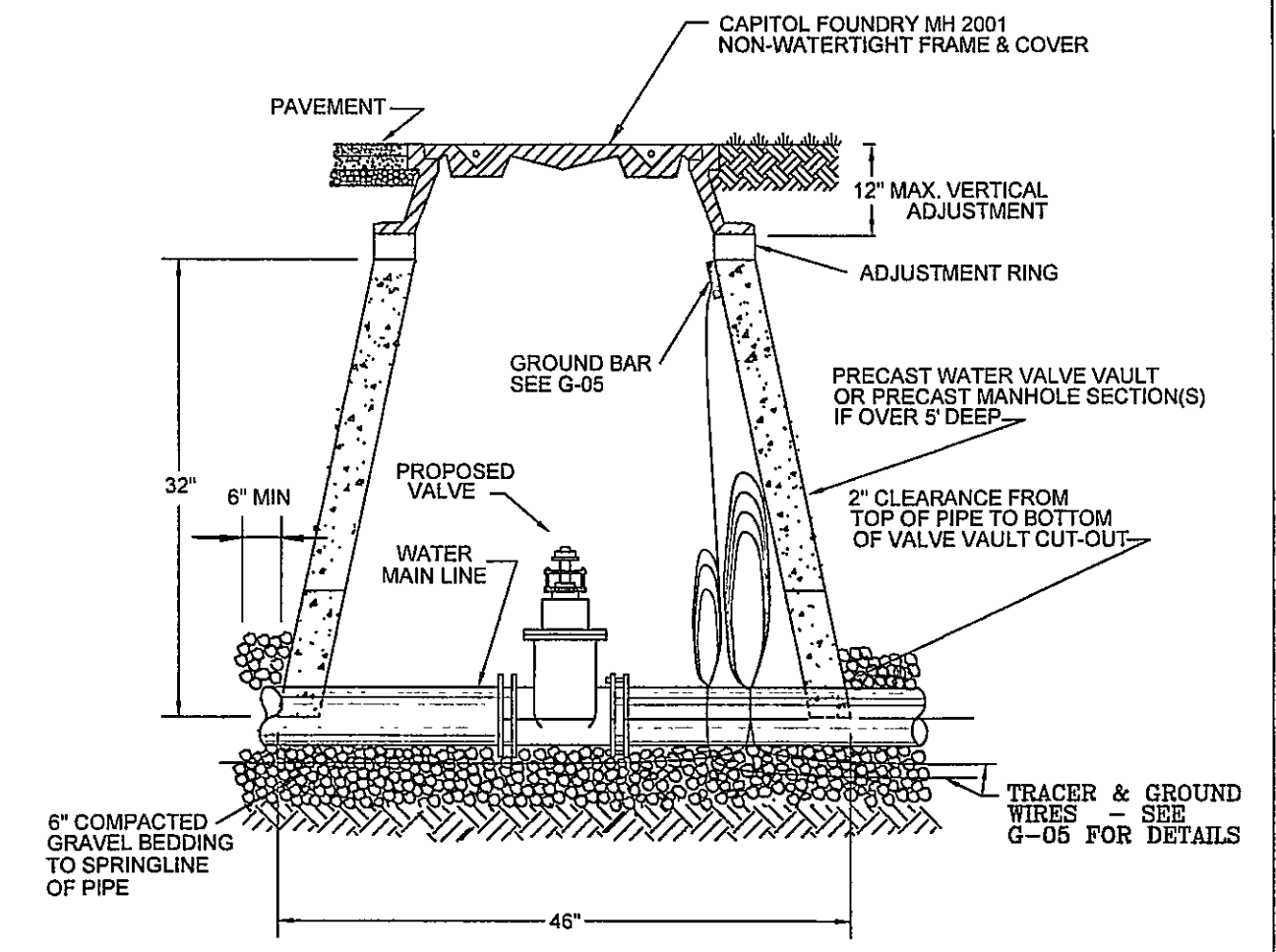
NO SCALE



NOTES:  
1. FOR 6" FIRE LINE, EXTERIOR VAULT DIMENSIONS SHALL BE 6' X 6'.  
2. FOR 8" FIRE LINE, EXTERIOR VAULT DIMENSIONS SHALL BE 11' X 7'.  
3. VAULT TO BE FURNISHED AND INSTALLED BY WVVA AT OWNER/DEVELOPERS EXPENSE.

**WATER VAULT**

NOT TO SCALE

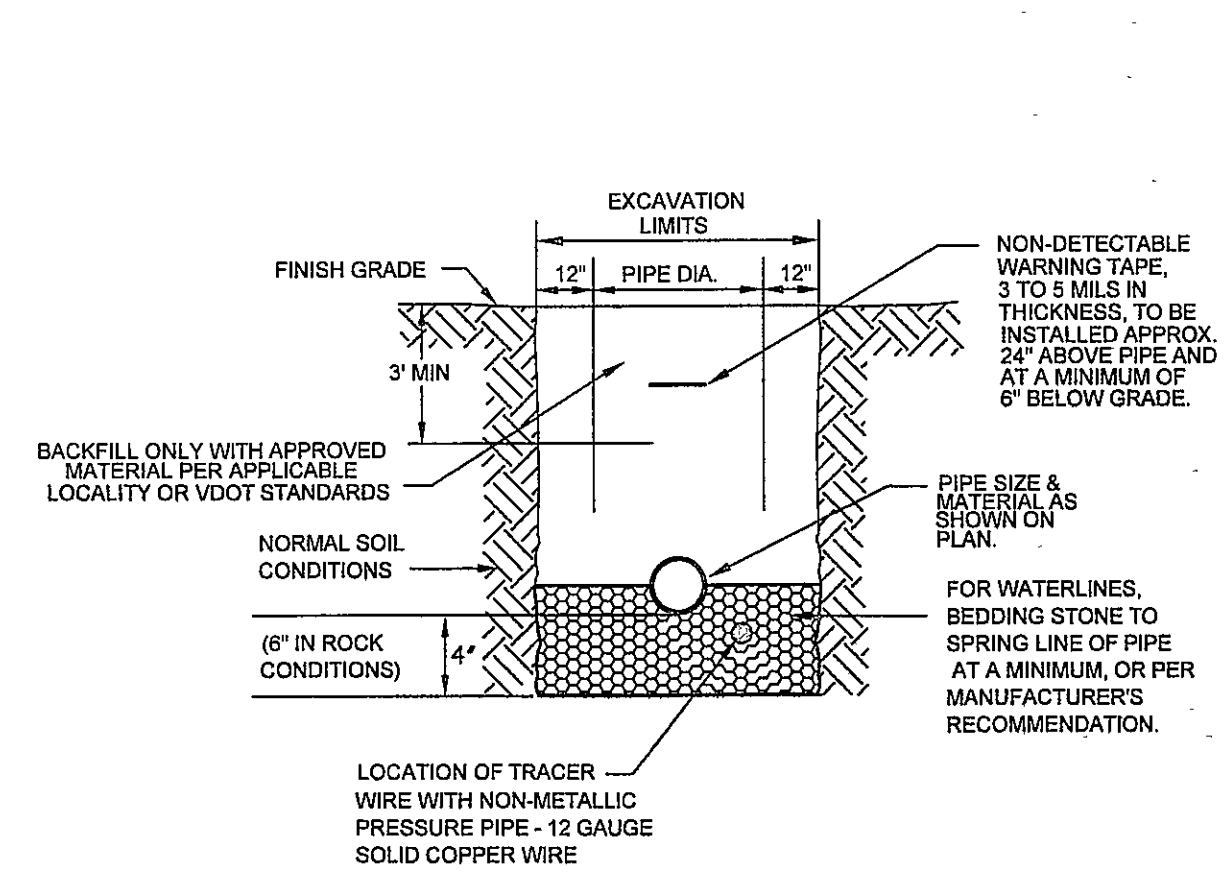


NOTES:  
1. TAPPING SLEEVE SHALL BE POWERSEAL MODEL 3490 TYPE 304 STAINLESS STEEL WITH CARBON STEEL FLANGE, ROMAC'S MODEL SST III, FORD MODEL FTSS WITH CARBON STEEL FLANGE OR APPROVED EQUIVALENT. SLEEVE SHALL BE RATED AT 250 PSI AND MUST HAVE A TEST PLUG.  
2. TAPPING VALVE SHALL BE AVK RESILIENT SEATED GATE VALVE SERIES 25 MFL OR MUELLER T-2360 RESILIENT WEDGE TAPPING VALVE WITH MJFL. VALVE SHALL BE RATED AT 250 PSI.  
3. TAPPING SLEEVE AND VALVE SHALL BE FULL PORT TO ACCEPT FULL SIZE SHELL CUTTER.  
4. STEEL FLANGE SHALL MEET ANWA C207.

**TAPPING SLEEVE AND VALVE**

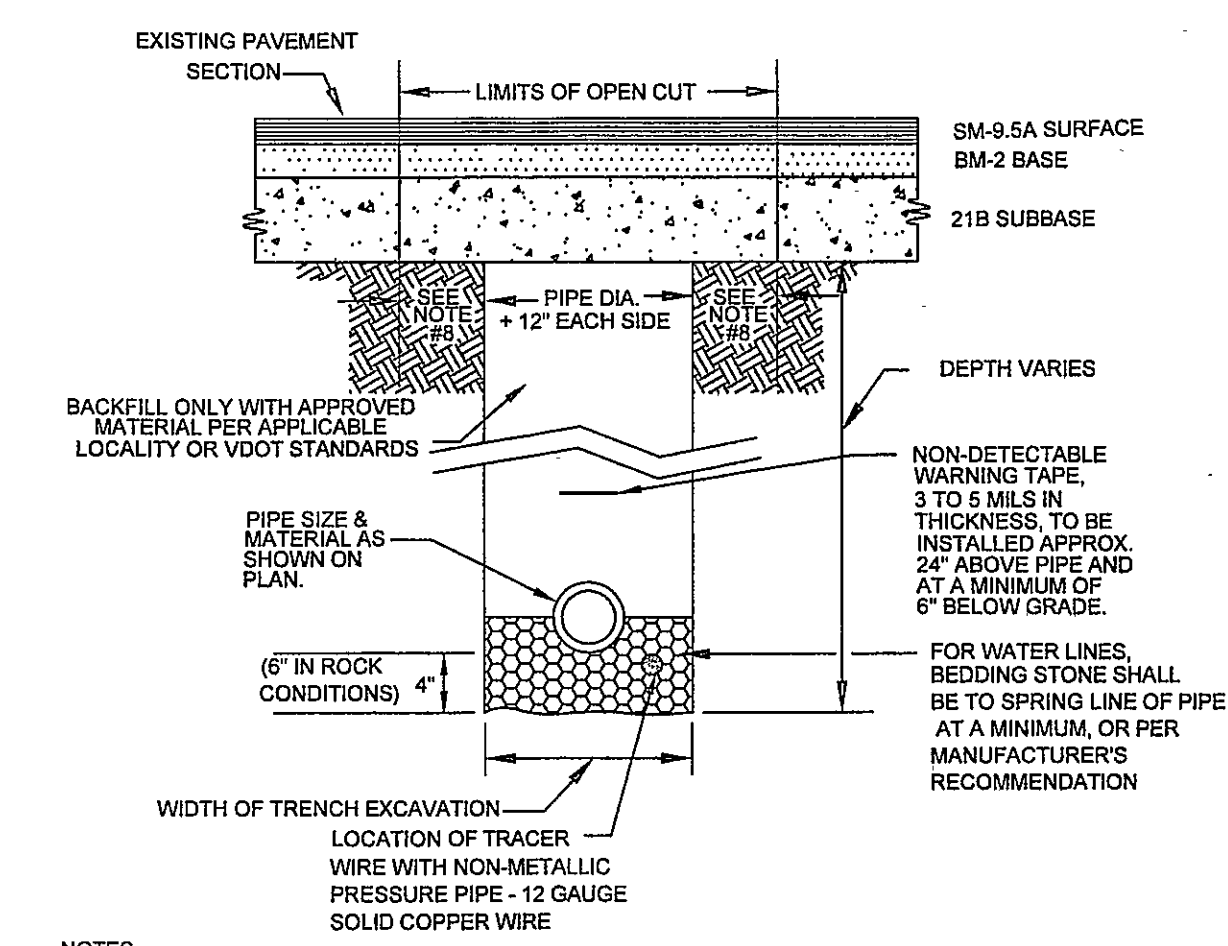
NOT TO SCALE

NOTES:  
1. BEDDING, HAUNCHING AND INITIAL BACKFILL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.  
2. ALL PVC PIPE SHALL BE BEDDED IN COMPACTED VDOT #57 OR #68 STONE.  
3. IN AREAS NOT SUBJECTED TO VEHICULAR TRAFFIC, BEDDING STONE AND FILL SHALL BE PLACED IN 6" LIFTS FROM BOTTOM OF TRENCH TO 1' ABOVE THE PIPE AND THE REMAINING SHALL BE PLACED IN 10" LIFTS AND SHALL BE COMPACTED TO AT LEAST 90% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D 698.  
4. BEDDING REQUIREMENTS FOR DUCTILE IRON WATER LINE ARE DEPENDENT ON MANUFACTURER'S BEDDING CRITERIA.  
5. ALL EXCAVATIONS SHALL COMPLY WITH OSHA TECHNICAL MANUAL, CHAPTER 2, TITLED "EXCAVATIONS: HAZARD RECOGNITION IN TRENCHING AND SHORING."



**BEDDING AND BACKFILL OUTSIDE OF PAVED AREAS**

NOT TO SCALE



NOTES:  
1. BEDDING, HAUNCHING AND INITIAL BACKFILL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.  
2. ALL PVC PIPE SHALL BE BEDDED IN COMPACTED VDOT #57 OR #68 STONE.  
3. IN ROANOKE COUNTY, THE CONTRACTOR SHALL REPLACE THE OPEN CUT WITH A MINIMUM TOP COURSE OF 1 1/2" (MINIMUM) VDOT SM-9.5A, BASE COURSE OF 6" VDOT BM-25, AND SUBBASE OF 10" VDOT 21B, OR AS REQUIRED BY VDOT. IN ROANOKE CITY, CONTRACTOR SHALL REPLACE PAVEMENT AS REQUIRED BY CITY OF ROANOKE RIGHT OF WAY EXCAVATION AND RESTORATION STANDARDS.  
4. ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE AS SPECIFIED BY VDOT OR APPLICABLE LOCALITY.  
5. PRIOR TO CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR SECURING ALL REQUIRED PERMITS FROM VDOT AND/OR APPLICABLE LOCALITY.  
6. IN AREAS SUBJECTED TO VEHICULAR TRAFFIC, BEDDING STONE AND FILL SHALL BE PLACED IN 6" LIFTS AND SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D 698.  
7. BEDDING REQUIREMENTS FOR DUCTILE WATER LINE ARE DEPENDENT ON MANUFACTURER'S BEDDING CRITERIA.  
8. BENCHMARK ON EACH SIDE OF PAVEMENT: CITY OF ROANOKE EQUALS 12" VDOT RIGHT-OF-WAY EQUALS 6"  
9. ALL EXCAVATIONS SHALL COMPLY WITH OSHA TECHNICAL MANUAL, CHAPTER 2, TITLED "EXCAVATIONS: HAZARD RECOGNITION IN TRENCHING AND SHORING."

**BEDDING AND BACKFILL UNDER PAVEMENT AND RIGHT-OF-WAY**

NOT TO SCALE

LUMSDEN ASSOCIATES, P.C.  
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SEPT. 28, 2006  
TIMOTHY HOELZLE  
LAND SURVEYOR  
No. 1795

PLASTICS ONE  
TRACT II  
PREPARED FOR  
STARKEY PROPERTIES, LLC  
CAVE SPRING MAGISTERIAL DISTRICT  
ROANOKE COUNTY, VIRGINIA

| REVISIONS | DATE | DESCRIPTION |
|-----------|------|-------------|
| 1         |      |             |
| 2         |      |             |
| 3         |      |             |
| 4         |      |             |
| 5         |      |             |

DATE: September 28, 2006  
SCALE: NOT TO SCALE  
COMMISSION NO: 05-271  
SHEET 3 OF 6