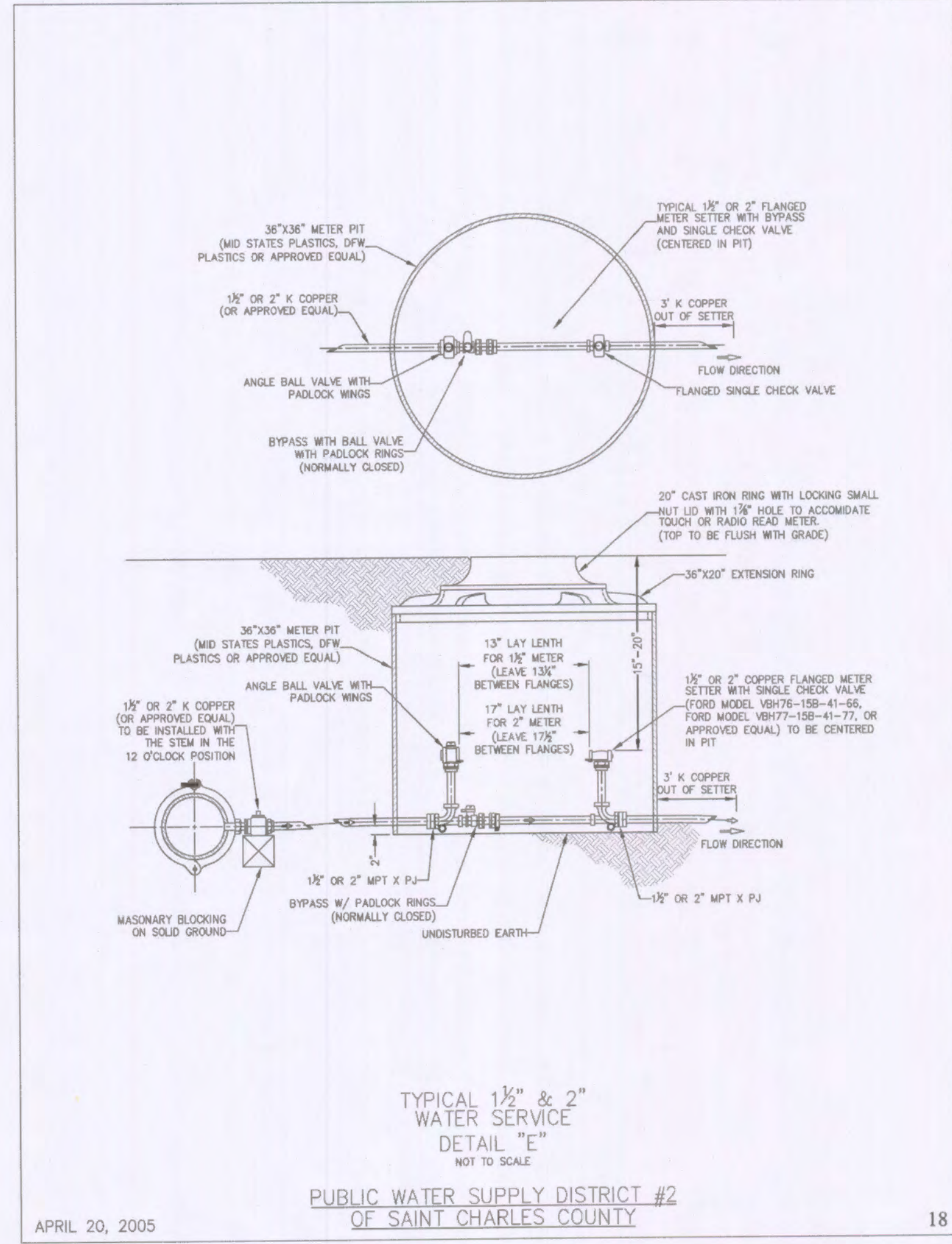
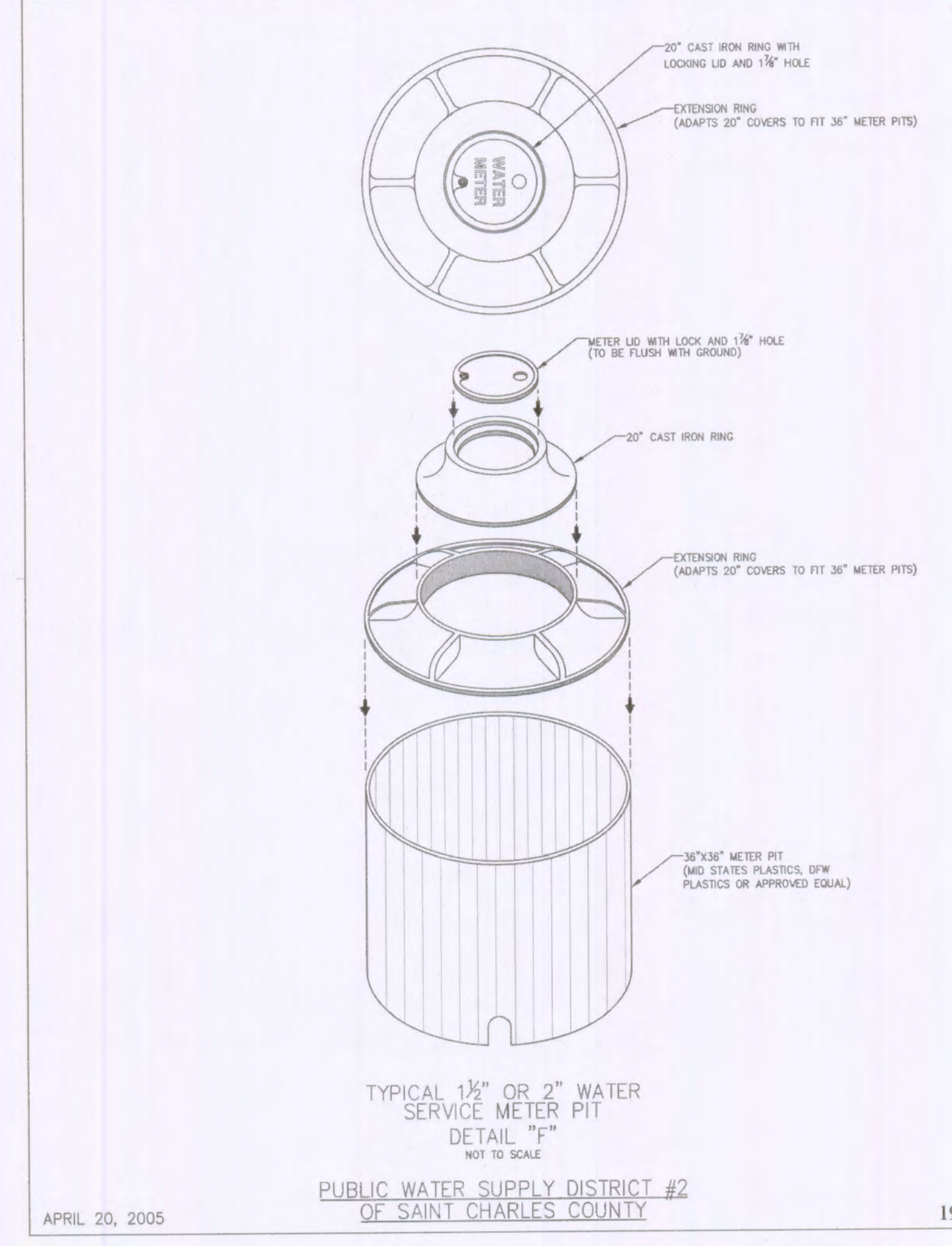


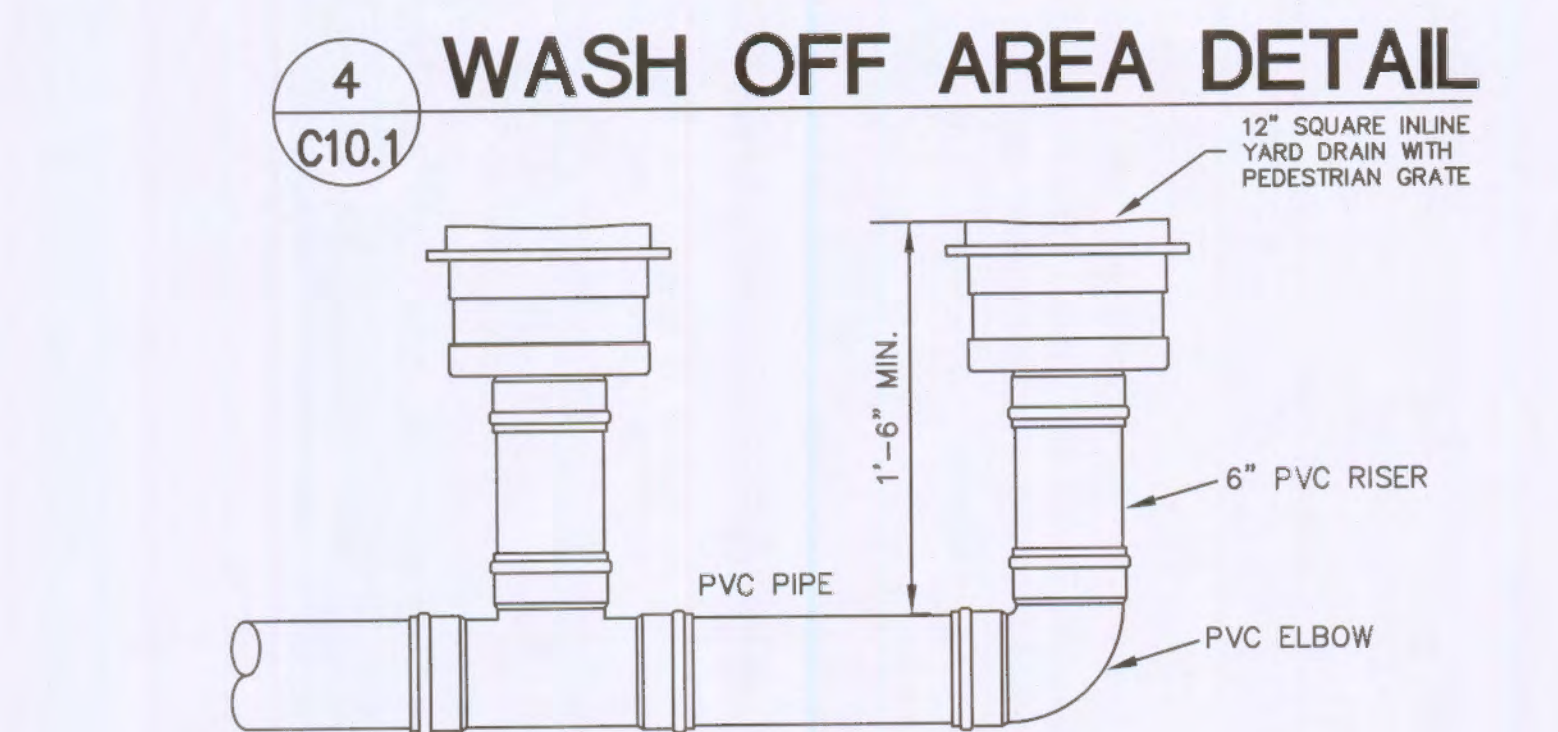
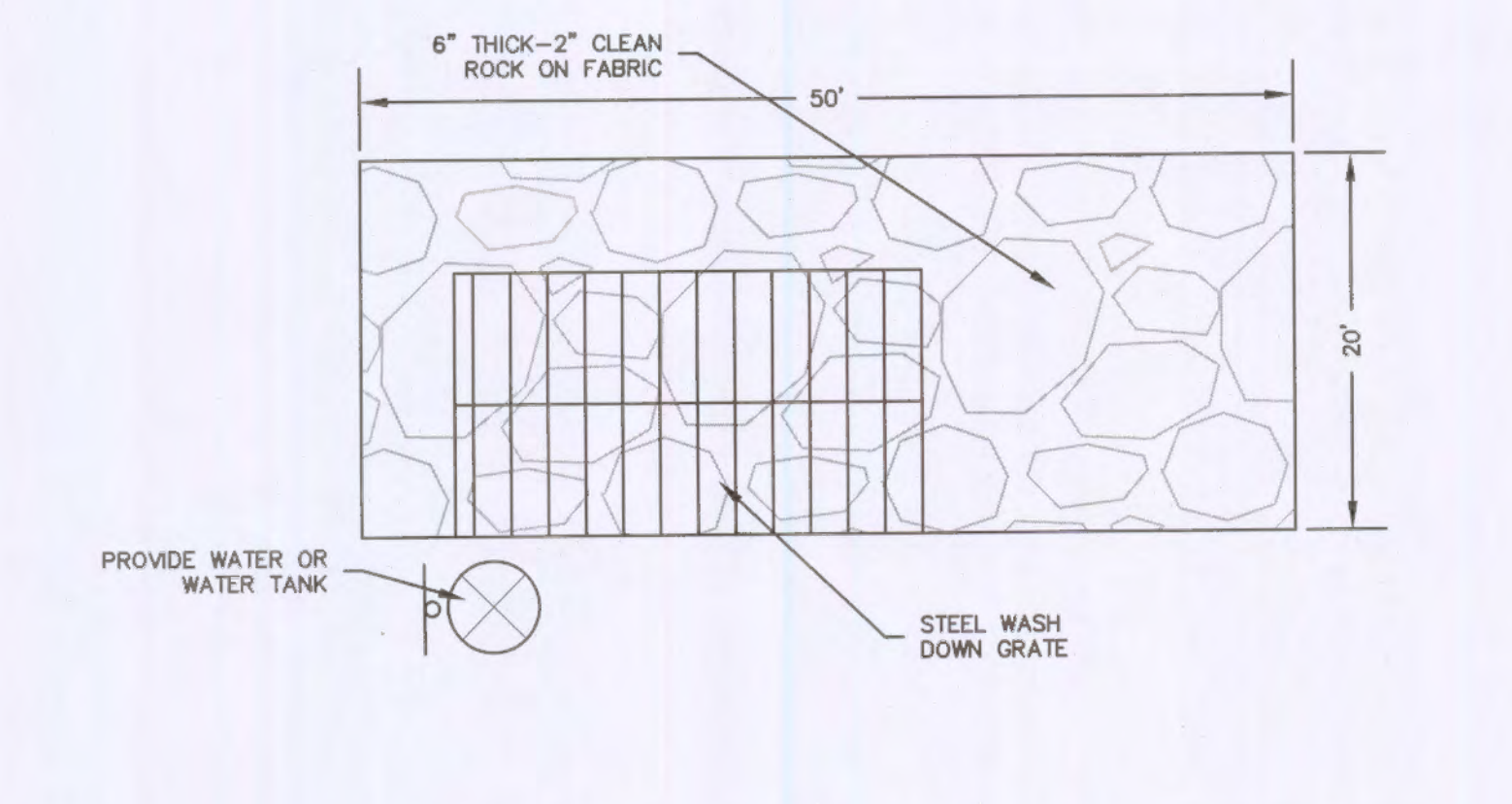
1 TYPICAL WATER CONNECTION  
C10.1



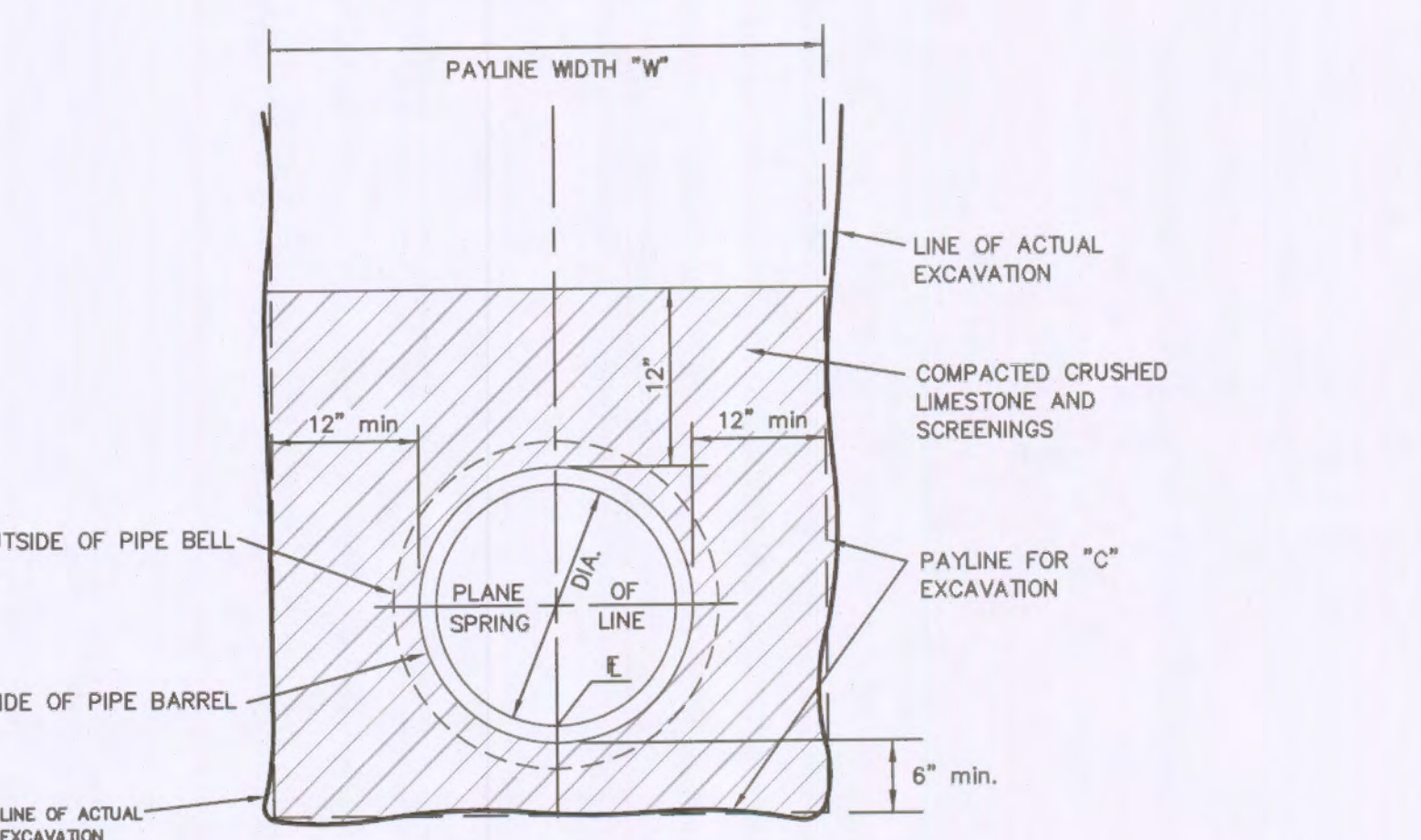
2 WATER SERVICE DETAIL  
C10.1



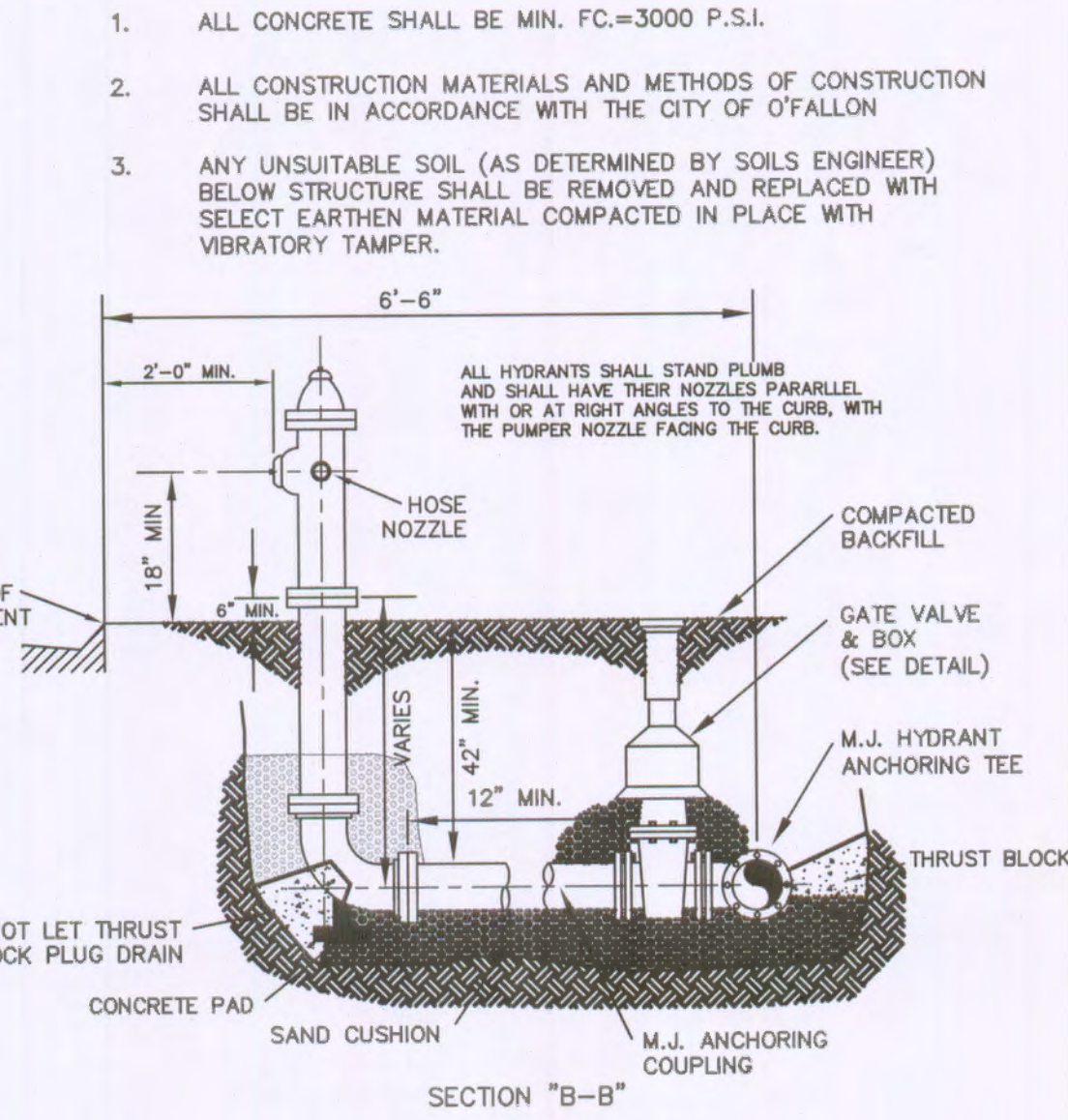
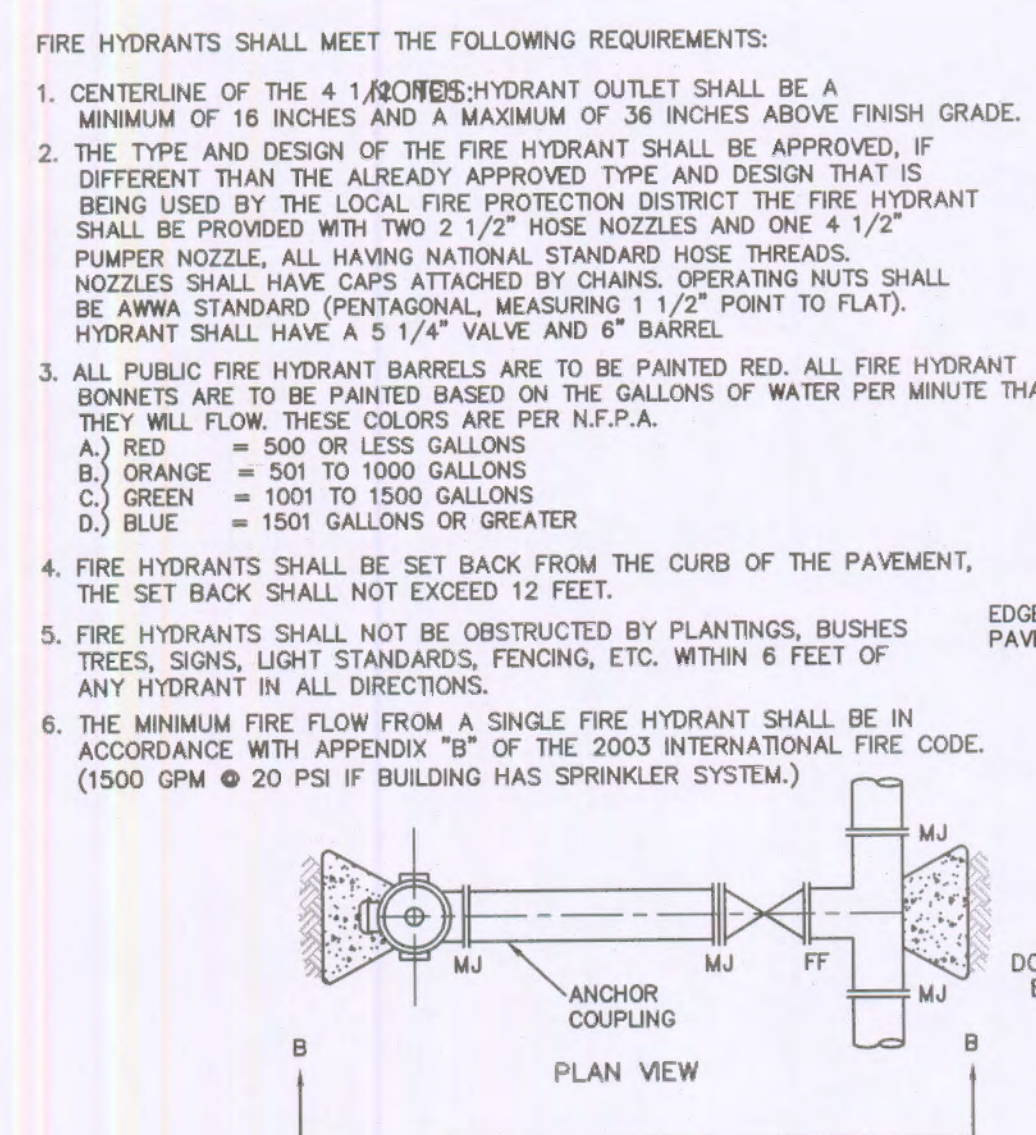
3 METER PIT DETAIL  
C10.1



7 YARD DRAIN DETAIL  
C10.1



5 PIPE BEDDING DETAIL  
C10.1



- FIRE HYDRANTS SHALL MEET THE FOLLOWING REQUIREMENTS:
- CENTERLINE OF THE 4 1/2" HYDRANT OUTLET SHALL BE A MINIMUM OF 16 INCHES AND A MAXIMUM OF 36 INCHES ABOVE FINISH GRADE.
  - THE TYPE AND DESIGN OF THE FIRE HYDRANT SHALL BE APPROVED, IF DIFFERENT THAN THE ALREADY APPROVED TYPE AND DESIGN THAT IS BEING USED BY THE LOCAL FIRE PROTECTION DISTRICT THE FIRE HYDRANT SHALL BE PROVIDED WITH TWO 2 1/2" HOSE NOZZLES AND ONE 4 1/2" PUMPER NOZZLE. ALL HAVING NATIONAL STANDARD HOSE THREADS. NOZZLES SHALL HAVE CAPS ATTACHED BY CHAINS. OPERATING NUTS SHALL BE AWWA STANDARD (PENTAGONAL, MEASURING 1 1/2" POINT TO FLAT). HYDRANT SHALL HAVE A 5 1/4" VALVE AND 6" BARREL.
  - ALL PUBLIC FIRE HYDRANT BARRELS ARE TO BE PAINTED RED. ALL FIRE HYDRANT BONNETS ARE TO BE PAINTED BASED ON THE GALLONS OF WATER PER MINUTE THAT THEY WILL FLOW. THESE COLORS ARE PER N.F.P.A.
    - A.) RED = 500 OR LESS GALLONS
    - B.) ORANGE = 501 TO 1000 GALLONS
    - C.) GREEN = 1001 TO 1500 GALLONS
    - D.) BLUE = 1501 GALLONS OR GREATER
  - FIRE HYDRANTS SHALL BE SET BACK FROM THE CURB OF THE PAVEMENT, THE SET BACK SHALL NOT EXCEED 12 FEET.
  - FIRE HYDRANTS SHALL NOT BE OBSTRUCTED BY PLANTINGS, BUSHES, TREES, SIGNS, LIGHT STANDARDS, FENCING, ETC. WITHIN 6 FEET OF ANY HYDRANT IN ALL DIRECTIONS.
  - THE MINIMUM FIRE FLOW FROM A SINGLE FIRE HYDRANT SHALL BE IN ACCORDANCE WITH APPENDIX "B" OF THE 2003 INTERNATIONAL FIRE CODE. (1500 GPM @ 20 PSI IF BUILDING HAS SPRINKLER SYSTEM.)

- ALL CONCRETE SHALL BE MIN. FC=3000 P.S.I.
- ALL CONSTRUCTION MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF O'FALLON
- ANY UNSUITABLE SOIL (AS DETERMINED BY SOILS ENGINEER) BELOW STRUCTURE SHALL BE REMOVED AND REPLACED WITH SELECT EARTHEN MATERIAL COMPACTED IN PLACE WITH VIBRATORY TAMPER.

PROJECT TITLE  
**PRIMROSE SCHOOL  
OF O'FALLON AT  
WINGHAVEN**  
7778 WINGHAVEN BLVD,  
O'FALLON, MISSOURI

**GRIMES CONSULTING, INC.**  
Civil Engineering & Surveying Services  
13300 OLD TESSON ROAD  
SUITE 3000  
ST. LOUIS, MO 63128  
TEL: (314) 846-8000  
FAX: (314) 846-8000  
www.grimesconsulting.com  
CONTACT: LEMMY MEERS  
EMAIL: lemmy@grimesconsulting.com



Developer / Owner Information  
**EVERGREEN**  
2390 E CAMELBACK RD, PHOENIX, ARIZONA  
Primary Contact: ALEX GONZALEZ  
Phone: (602) 808-8600  
Fax: (602) 367-7101  
Email: agonzalez@evgre.com

P+Z No.  
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