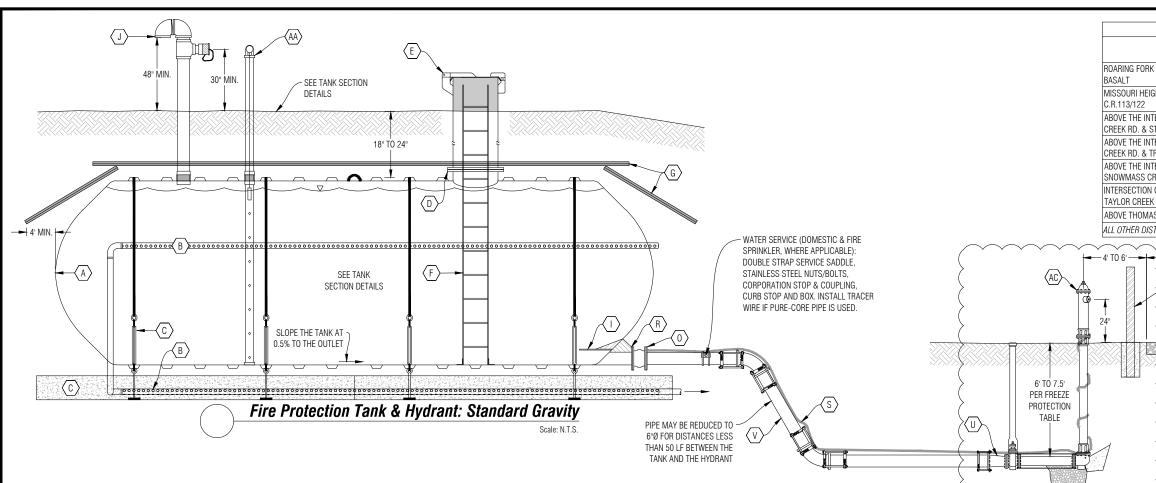


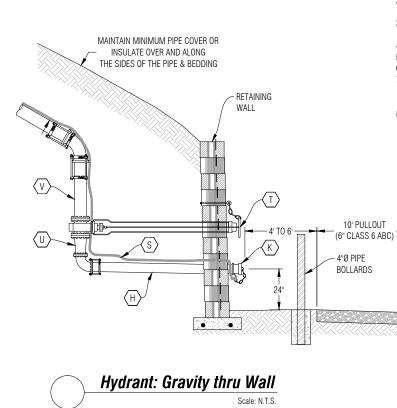
		(UV) DEGRADATION BY PAINTING OR OTHER MEASURES SSUANCE OF A CERTIFICATE OF OCCUPANCY TO ENSURE	
MARK	TABLE		
DESCRIPTION	MARK	DESCRIPTION	
ER STORAGE TANK (FIBERGLASS, R POLYAMIDE EPOXY PAINT COATED D PER MANUFACTURER'S REQUIREMENTS, PROVED	К	HYDRANT HEAD ASSEMBLY: HARD ANODIZED ALUM. 6"Ø NST-N THREAD ADAPTOR, REMOVABLE STRAINER AND COVER (RED). ORIENT TOWARDS THE ROAD. NO OTHER CONNECTIONS ON THE RISER ARE PERMITTED.	MOUND OVER
PERF. PVC DRAIN PIPES WITH SOLID PIPE 3)	L	6"Ø SCH.40 PVC 90° BEND, COAT EXPOSED W/ UV INHIBITOR PAINT	
NUFACTURER SUPPLIED ANCHOR SYSTEM	М	6"Ø SCH.40 PVC 45° BEND, COAT EXPOSED W/ UV INHIBITOR PAINT	
) LID)	Ν	GALVANIZED VERTICAL PIPE SUPPORT EMBEDDED IN 2x2x4" CONCRETE	0 6"Ø SCH. 40 PVC
W/ LOCKING ASSEMBLY, COAT EXPOSED	0	PRESSURE RATED (75 PSI, MIN.) FLEXIBLE ELASTOMERIC (RUBBER) COUPLING	(UKAIN BACK TO TAINT)
N OF THE AUTHORITY HAVING Y MANUFACTURER.	Ρ	6"Ø FLANGED AND GUSSETED FITTING WITH 6"Ø FRP OR SCH.40 PVC SUCTION PIPE	
40 INSULATION, LAP JOINTS 12" MIN.	Q	6"Ø TANGENTIALLY MOUNTED FLANGED FULL BOTTOM DRAIN NOZZLE -OUTLET	
DSED W/ UV INHIBITOR PAINT	AA	TANK LEVEL MONITOR (RECOMMENDED): TANK MANUFACTURER SUPPLIED SYSTEM OR OTHER METHODS AS DEEMED ACCEPTABLE BY	
BLY, BY MANU. (NFPA-22 APPROVED)	AA	THE AUTHORITY HAVING JURISDICTION.	\ -
NUAL REFILL: 6'Ø NPT FITTING, SCH.40 E WITH A 2-1/2" NST-F BRASS SWIVEL & 24-MESH STAINLESS STEEL INSECT TAINLESS STEEL PIPE CLAMP	AB	STRUCTURALLY ENGINEERED ALL WEATHER SURFACE CAPABLE OF SUSTAINING A VEHICULAR LOAD OF 75,000 LBS.	Alternate Hydrant:



TANK SYSTEM NOTES: SEE SHEET #1

OLL	ULLI	"		

MARK	DESCRIPTION	MARK	DESCRIPTION
WARK		WARK	DESCRIPTION
A	SINGLE WALL POTABLE WATER STORAGE TANK (FIBERGLASS, POLYETHYLENE OR EXTERIOR POLYAMIDE EPOXY PAINT COATED STEEL, 8'Ø MAX.), INSTALLED PER MANUFACTURER'S REQUIREMENTS, NSF-61, NFPA-22 & 1142 APPROVED	L	6"Ø SCH.40 PVC 90° BEND, COAT EXPOSED W/ UV INHIBITOR PAIN
В	BUOYANCY OPTION #1: 4"Ø PERF. PVC DRAIN PIPES WITH SOLID PIPE TO DAYLIGHT (SEE SHEET #3)	М	6"Ø SCH.40 PVC 45° BEND, COAT EXPOSED W/ UV INHIBITOR PAIN
С	BUOYANCY OPTION #2: MANUFACTURER SUPPLIED ANCHOR SYSTEM (SEE SHEET #3)	N	GALVANIZED VERTICAL PIPE SUPPORT EMBEDDED IN 2'x2'x4" CONCRETE
D	30"Ø FLANGED MANWAY (NO LID)	0	PRESSURE RATED (75 PSI, MIN.) FLEXIBLE ELASTOMERIC (RUBBEI COUPLING
E	ACCESS RISER: 30"Ø RISER W/ LOCKING ASSEMBLY, COAT EXPOSED W/ UV INHIBITOR PAINT	R	8"Ø TANGENTIALLY MOUNTED FLANGED FULL BOTTOM DRAIN NOZZLE-OUTLET
F	LADDER: AT THE DISCRETION OF THE AUTHORITY HAVING JURISDICTION. INSTALLED BY MANUFACTURER.	S	TRACER WIRE FROM TANK TO HYDRANT BASE: 10 GAUGE SOLID THHN INSULATED DETECTION WIRE. ALL SPLICES SHALL BE MADI WITH WATERTIGHT CONNECTIONS.
G	4" STYROFOAM HIGH LOAD-40 INSULATION, LAP JOINTS 12" MIN.	Т	HORIZONTAL GATE VALVE WITH HANDWHEEL, CHAIN AND PADLOCK. ANGLE THE CONTROL ROD SLEEVE SLIGHTLY DOWN TO THE HANDWHEEL AND AVOID ICING.
Н	6"Ø SCH.40 PVC, COAT EXPOSED W/ UV INHIBITOR PAINT. ANGLE THE PIPE SLIGHTLY DOWN TO DRAIN TOWARDS THE CAP AND PREVENT ICING.	U	8"Øx6"Ø REDUCER
Ι	ANTI-VORTEX PLATE ASSEMBLY, BY MANU. (NFPA-22 APPROVED)	V	8"Ø CLASS 150 C900 PVC WITH DUCTILE IRON FITTINGS AND MECHANICAL JOINT RESTRAINTS AT ALL FITTINGS AND JOINTS WITHIN 30 FEET OF A FITTING. POLYWRAP ALL FITTINGS AND RESTRAINTS.
J	COMBINATION AIR VENT/MANUAL REFILL: 6"Ø NPT FITTING, SCH.40 GALVANIZED STEEL PIPE, TEE WITH A 2-1/2" NST-F BRASS SWIVEL & PLUG, GOOSENECK, AND A 24-MESH STAINLESS STEEL INSECT SCREEN SECURED WITH A STAINLESS STEEL PIPE CLAMP	AA	TANK LEVEL MONITOR (RECOMMENDED): TANK MANUFACTURER SUPPLIED SYSTEM OR OTHER METHODS AS DEEMED ACCEPTABL BY THE AUTHORITY HAVING JURISDICTION.
К	HYDRANT HEAD ASSEMBLY: HARD ANODIZED ALUM. 6"Ø NST-N THREAD ADAPTOR, REMOVABLE STRAINER AND COVER (RED). DRILL A A/4"Ø WEEP HOLE IN THE BOTTOM FRONT OF THE CAP. NO OTHER CONNECTIONS ON THE HYDRANT PIPE ARE PERMITTED.	AC	DRY BARREL HYDRANT: MUELLER SUPER CENTURION 250 (A-423) OR KENNEDY (K81D), OR AUTHORITY HAVING JURISDITION APPROVED EQUAL. OPEN COUNTER-CLOCKWISE, STAINLESS STEE BURIED NUTS AND BOLTS.



HYDRANT NOTES:

- 1.
- A GATE VALVE IS RECOMMENDED FOR ISOLATION OF THE HYDRANT DURING MAINTENANCE, BUT NOT REQUIRED. GATE VALVES SHALL BE MULLER, KENNEDY OR
- AUTHORITY HAVING JURISDICTION, 250 PSI RATED, 2" OPERATING NUT, OPEN COUNTER-CLOCKWISE, STAINLESS STEEL NUTS AND BOLTS.
- 2.
- DRY BARREL OR GRAVITY THROUGH WALL HYDRANTS MUST BE USED ON ALL GRAVITY FLOW SYSTEMS.
- ALL JOINTS FROM MAIN TO HYDRANT SHALL BE HARNESSED MECHANICAL JOINTS 3 OR FLANGED JOINTS.
- POLYETHYLENE WRAP SHALL COVER ALL METAL COMPONENTS.
- ALL HYDRANT LEAD PIPING TO BE CLASS 150 C900 PVC.
- TRACER WIRE SHALL EXTEND UP THE FIRE HYDRANT AND ALL VALVES.
- THE HYDRANT BASE AND DRAINAGE ROCK SHALL BE COVERED WITH A LOOSE SHEET OF 10 MIL POLYETHYLENE OR FILTER FABRIC (MIRAFI 140N OR EQUAL) TO EXCLUDE
- BACKFILL MATERIAL FROM ENTERING THE VOIDS IN THE ROCK. NO OTHER CONNECTIONS TO THE HYDRANT ARE PERMITTED. 8.

THREE PIECE VALVE BOX WITH KEY EXTENSION AND

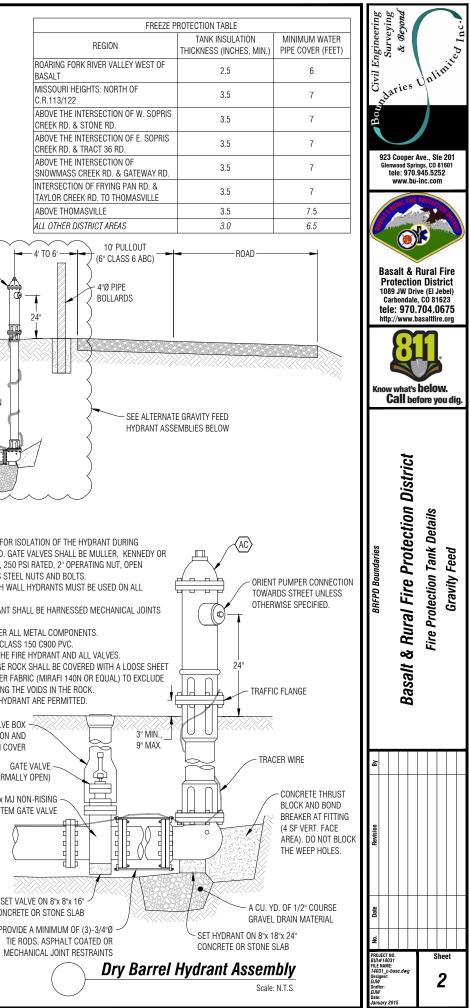
WORD "WATER" ON COVER

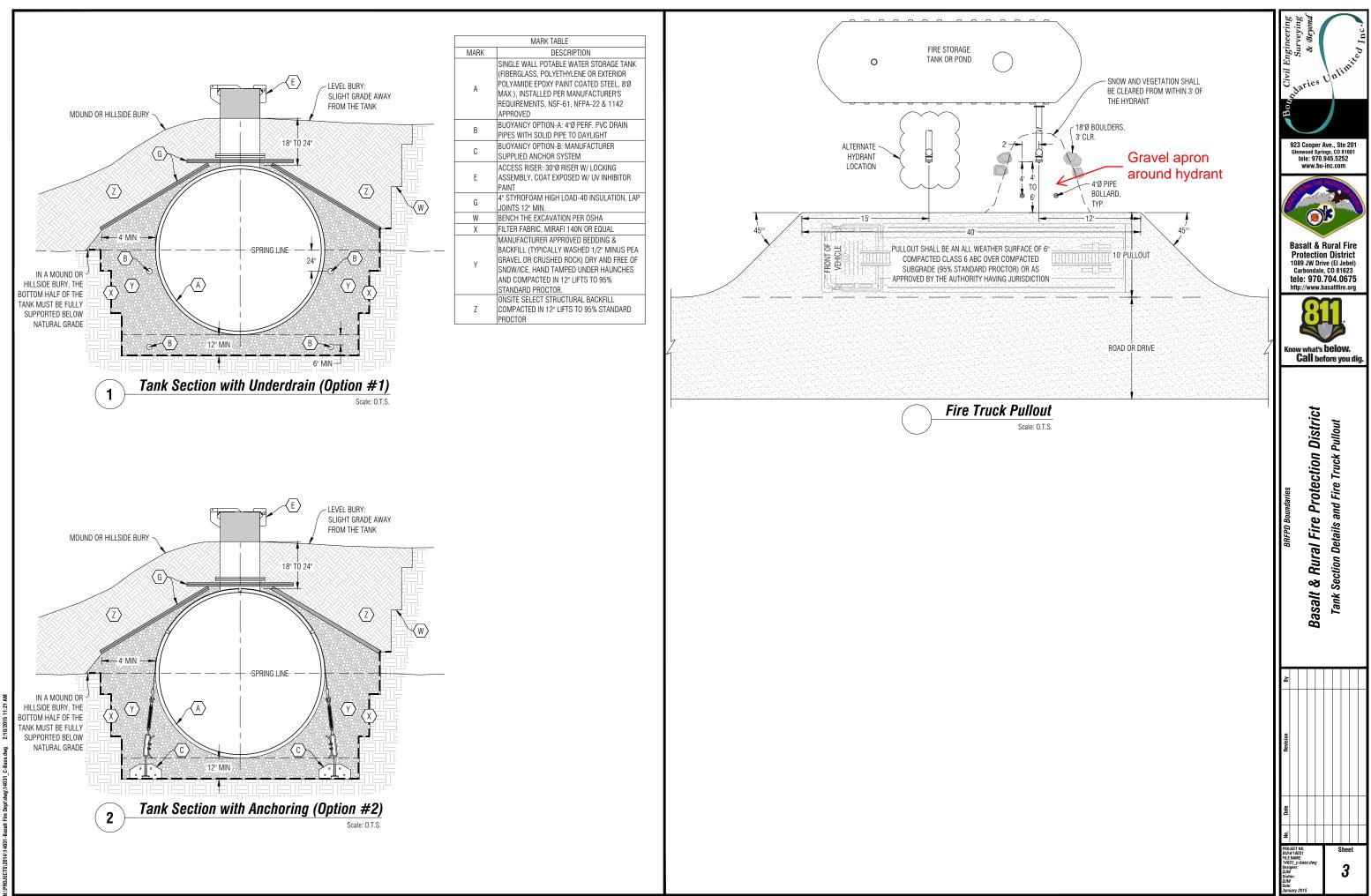
GATE VALVE (NORMALLY OPEN)

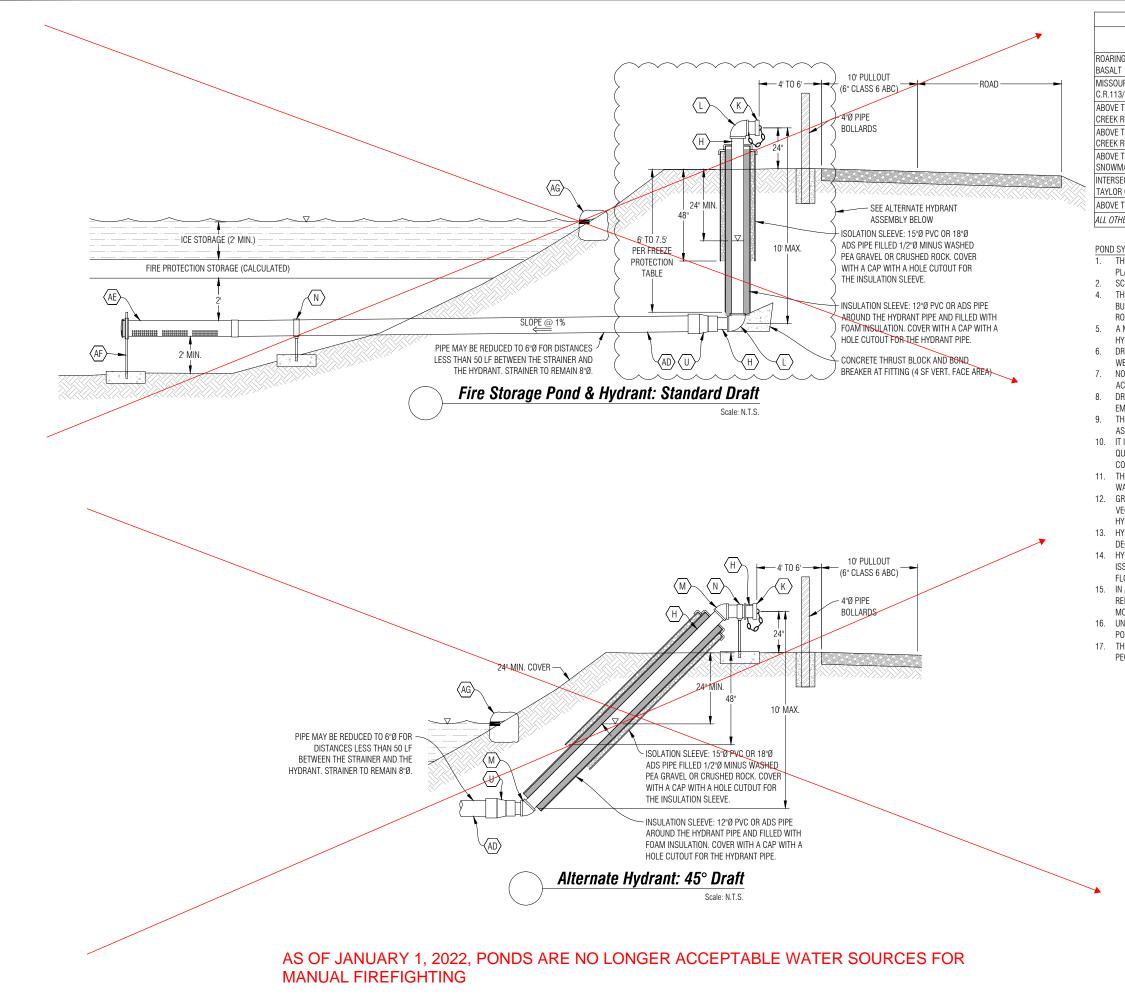
6" FL x MJ NON-RISING STEM GATE VALVE

SET VALVE ON 8"x 8"x 16" CONCRETE OR STONE SLAB

PROVIDE A MINIMUM OF (3)-3/4"Ø -TIE RODS, ASPHALT COATED OR







FREEZE PROTECTION TABLE					
REGION	TANK INSULATION THICKNESS (INCHES, MIN.)	MINIMUM WATER PIPE COVER (FEET)			
IG FORK RIVER VALLEY WEST OF	2.5	6			
JRI HEIGHTS: NORTH OF 3/122	3.5	7			
THE INTERSECTION OF W. SOPRIS RD. & STONE RD.	3.5	7			
THE INTERSECTION OF E. SOPRIS RD. & TRACT 36 RD.	3.5	7			
THE INTERSECTION OF MASS CREEK RD. & GATEWAY RD.	3.5	7			
ECTION OF FRYING PAN RD. & R CREEK RD. TO THOMASVILLE	3.5	7			
THOMASVILLE	3.5	7.5			
HER DISTRICT AREAS	3.0	6.5			

POND SYSTEM NOTES:

THE REQUIRED AMOUNT OF FIRE PROTECTION STORAGE SHALL BE DETERMINED PER PLAN REVIEW.

SCH. 40 PVC PIPE SHALL HAVE WATERTIGHT GLUED JOINTS AND FITTINGS.

THE DRY HYDRANT SHALL BE LOCATED AT LEAST 100-FEET PHYSICALLY FROM A BUILDING STRUCTURE, BUT NOT GREATER THAN 250-FEET ALONG THE ALIGNMENT OF A ROAD OR DRIVE.

5. A MINIMUM OF 3-FEET OF CLEARANCE SHALL BE PROVIDED AROUND THE DRY HYDRANT.

DRY HYDRANTS SHALL BE LOCATED SO THAT THEY ARE ACCESSIBLE UNDER ALL WEATHER CONDITIONS.

NO PARKING OR OTHER OBSTACLES SHALL BE ALLOWED WITHIN 20-FEET OF THE ACCESS SIDE OF THE HYDRANT.

DRY HYDRANT LOCATIONS SHALL BE MADE VISIBLE FROM THE MAIN ROADWAY DURING EMERGENCIES BY REFLECTIVE MARKING AND SIGNAGE.

THE WATER LEVEL OF THE POND MUST BE CHECKED EVERY 3 MONTHS AND REFILLED AS NECESSARY.

10. IT IS HIGHLY RECOMMENDED THAT DRY HYDRANT SYSTEMS BE INSPECTED AT LEAST QUARTERLY AND MAINTAINED AS NECESSARY TO KEEP THEM IN GOOD OPERATING CONDITION.

11. THOROUGH SURVEYS SHALL BE CONDUCTED, TO REVEAL ANY DETERIORATION IN THE WATER SUPPLY SITUATION.

12. GRASS, BRUSH, AND OTHER VEGETATION SHALL BE KEPT TRIMMED AND NEAT. VEGETATION SHALL BE CLEARED FOR A MINIMUM 3-FEET RADIUS FROM AROUND HYDRANTS.

13. HYDRANT RISERS AND EXPOSED PIPE SHALL BE PROTECTED FROM ULTRAVIOLET (UV) DEGRADATION BY PAINTING OR OTHER MEASURES.

14. HYDRANTS SHALL BE FLOW TESTED WITH A FIRE DEPARTMENT PUMP PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY TO ENSURE THAT THE MINIMUM DESIGN FLOW IS OBTAINED.

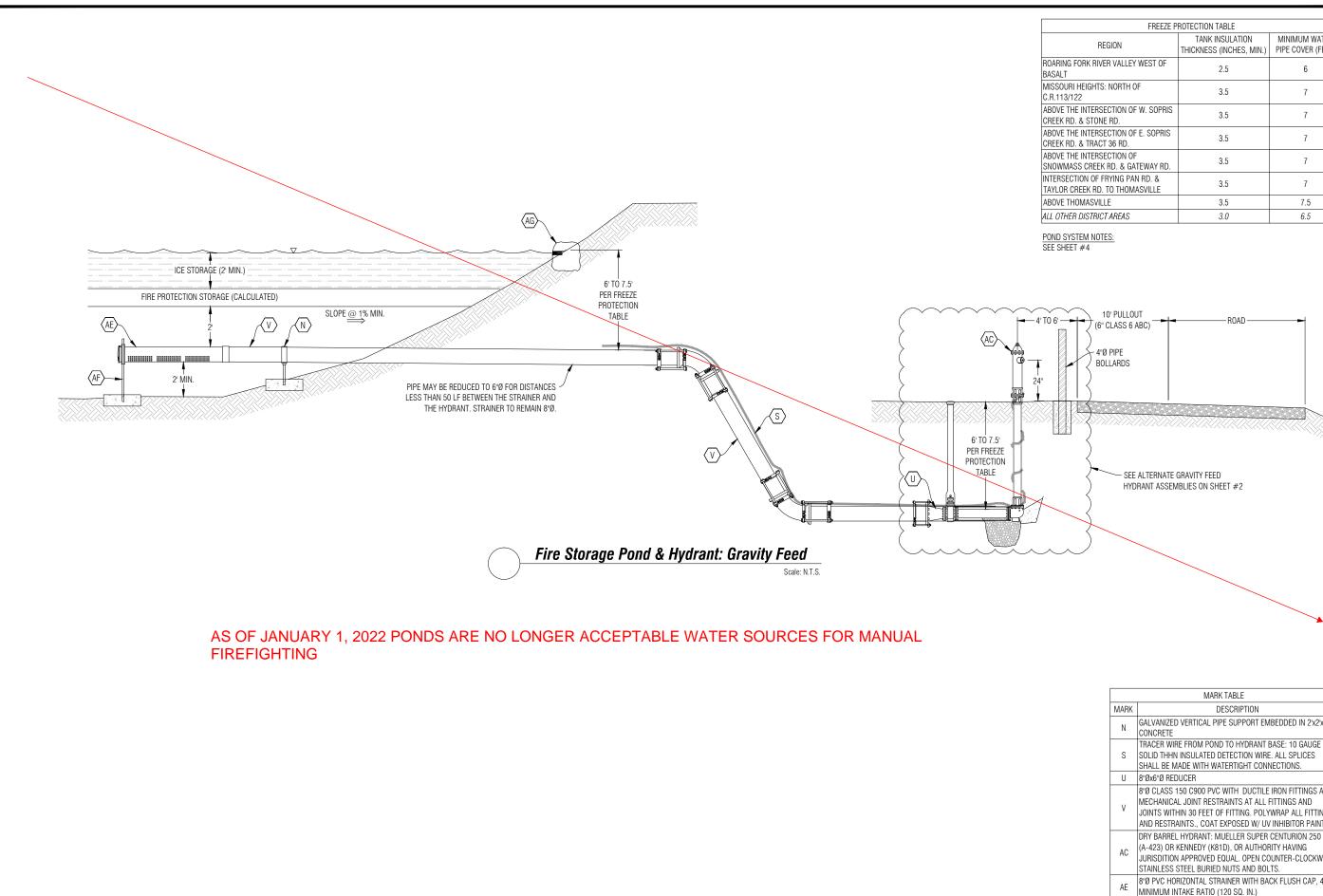
 IN AREAS SUBJECT TO EXTREME FREEZING, IT IS HIGHLY RECOMMENDED THAT A REMOVABLE INSULATED COVER BE PLACED OVER THE HYDRANT DURING THE WINTER MONTHS.

16. UNLESS FED MY AN CONTINUALLY FLOWING SPRING OR STREAM, A NEW MANMADE POND SHALL BE LINED AND MAINTAINED TO PREVENT SEEPAGE.

17. THE POND SHALL BE DESIGNED AND CONSTRUCTED TO ENABLE ANIMALS AND/OR PEOPLE TO SAFELY EXIT THE POND.

	MARK TABLE
MARK	DESCRIPTION
Н	6"Ø SCH.40 PVC, COAT EXPOSED W/ UV INHIBITOR PAINT
K	HYDRANT HEAD ASSEMBLY: HARD ANODIZED ALUM. 6"Ø NST-N THREAD ADAPTOR, REMOVABLE STRAINER AND COVER (RED). ORIENT TOWARDS THE ROAD. NO OTHER CONNECTIONS ON THE RISER ARE PERMITTED
L	6"Ø SCH.40 PVC 90° BEND, COAT EXPOSED W/ UV INHIBITOR PAINT
М	6"Ø SCH.40 PVC 45° BEND, COAT EXPOSED W/ UV INHIBITOR PAINT
Ν	GALVANIZED VERTICAL PIPE SUPPORT EMBEDDED IN 2'x2'x4" CONCRETE
U	8"Øx6"Ø REDUCER
AD	8"Ø SCH.40 PVC, COAT EXPOSED W/ UV INHIBITOR PAINT
AE	8"Ø PVC HORIZONTAL STRAINER WITH BACK FLUSH CAP, 4:1 MINIMUM INTAKE RATIO (120 SQ. IN.)
AF	8"Ø STRAINER SUPPORT CLAMP (MANUFACTURER SUPPLIED)
AG	18"Ø BOULDER WITH A DISTINCT RED LINE PAINTED AT THE MINIMUM WATER SURFACE ELEVATION.





FREEZE P	ROTECTION TABLE		
REGION	TANK INSULATION THICKNESS (INCHES, MIN.)	MINIMUM WATER PIPE COVER (FEET)	
NG FORK RIVER VALLEY WEST OF T	2.5	6	
URI HEIGHTS: NORTH OF 3/122	3.5	7	
THE INTERSECTION OF W. SOPRIS RD. & STONE RD.	3.5	7	
THE INTERSECTION OF E. SOPRIS RD. & TRACT 36 RD.	3.5	7	
THE INTERSECTION OF MASS CREEK RD. & GATEWAY RD.	3.5	7	
ECTION OF FRYING PAN RD. & R CREEK RD. TO THOMASVILLE	3.5	7	
THOMASVILLE	3.5	7.5	
HER DISTRICT AREAS	3.0	6.5	
SYSTEM NOTES: IEET #4	ROAD		
4"Ø PIPE			

	MARK TABLE
MARK	DESCRIPTION
Ν	GALVANIZED VERTICAL PIPE SUPPORT EMBEDDED IN 2'x2'x4" CONCRETE
S	TRACER WIRE FROM POND TO HYDRANT BASE: 10 GAUGE SOLID THHN INSULATED DETECTION WIRE. ALL SPLICES SHALL BE MADE WITH WATERTIGHT CONNECTIONS.
U	8"Øx6"Ø REDUCER
V	8"Ø CLASS 150 C900 PVC WITH DUCTILE IRON FITTINGS AND MECHANICAL JOINT RESTRAINTS AT ALL FITTINGS AND JOINTS WITHIN 30 FEET OF FITTING. POLYWRAP ALL FITTINGS AND RESTRAINTS., COAT EXPOSED W/ UV INHIBITOR PAINT
AC	DRY BARREL HYDRANT: MUELLER SUPER CENTURION 250 (A-423) OR KENNEDY (K81D), OR AUTHORITY HAVING JURISDITION APPROVED EQUAL. OPEN COUNTER-CLOCKWISE, STAINLESS STEEL BURIED NUTS AND BOLTS.
AE	8"Ø PVC HORIZONTAL STRAINER WITH BACK FLUSH CAP, 4:1 MINIMUM INTAKE RATIO (120 SQ. IN.)
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AG	18"Ø BOULDER WITH A DISTINCT RED LINE PAINTED AT THE MINIMUM WATER SURFACE ELEVATION.

