

Perry Park Water and Sanitation District 5676 West Red Rock Drive Larkspur, Colorado 80118 303.681.2050 www.ppwsd.org

#### **Service Line - General Information Summary**

#### Site Plans

- The District has one original site plan for the property that is noted as approved by the District.
- The Service Line Installer must have one original site plan that is noted as approved by the District at the job site at all times. This original site plan cannot have any notes or markings other than those made by the District.
- The Service Line Installer must follow the site plan exactly.
- ♣ All water and sewer taps must be witnessed by District.

#### Water Service Line

- Meter pit must be installed at the property line.
- Meter pit cannot be concrete.
- Meter pit must be 24 inches.
- ♣ Meter pit lid and curb stop must be minimum 3 feet from driveway.
- The final elevation of the meter pit is very important.
- 4 to 1 maximum slope must be maintained 3 feet around the meter pit vault.
- ♣ The material for the pipe is K-Copper or DR9 HDPE.
- Lock tight compression fittings must be used.
- Water and sewer services must be ten feet apart from property line to foundation.
- ▲ Natural bedding, with no rocks can be used after April 1 and before December 1.
- ♣ Road base or Class 6 squeegee must be used between December 1 and April 1.
- Water marking tape must be installed in trenches, one backhoe bucket above pipe.
- ♣ A 6 foot minimum of coverage is required over water service line.
- The water will remain off and the meter pit lid locked until the final / meter pit inspection has been completed.

#### Sewer Service Line

- Clean-outs must be installed at every bend.
- Property line clean-out must be 2 foot from driveway.
- The sewer pipe must be straight between clean-outs.
- 45 degrees is the biggest bend allowed.
- The material for the pipe is SDR-35.
- No glue is allowed except for a District approved sewer service drop.
- Water and sewer service lines must be ten feet apart from property line to foundation.
- ♣ Sewer marking tape must be installed in trenches, one backhoe bucket above pipe.
- ♣ A 3 foot minimum of coverage is required over gravity sewer service line.
- ♣ A 6 foot minimum of coverage is required over a pressurized sewer line.

#### Inspections

- Inspections must be scheduled twenty four hours in advance.
- Cancellation of inspection must be made by 9am the day of the inspection.
- Winter inspections (December 1 thru April 1) are scheduled between 10am and 2pm.
- ♣ All other inspections are scheduled between 9am and 3pm.
- ♣ A failed inspection will result in a \$50 failed inspection fee.
- A no-show is considered a failed inspection.
- ♣ Not having the approved site plan at the inspection is considered a failed inspection.
- A short notice inspection may be scheduled for a \$50 inspection fee.

#### Warranty

Materials and Labor under warranty for one year.

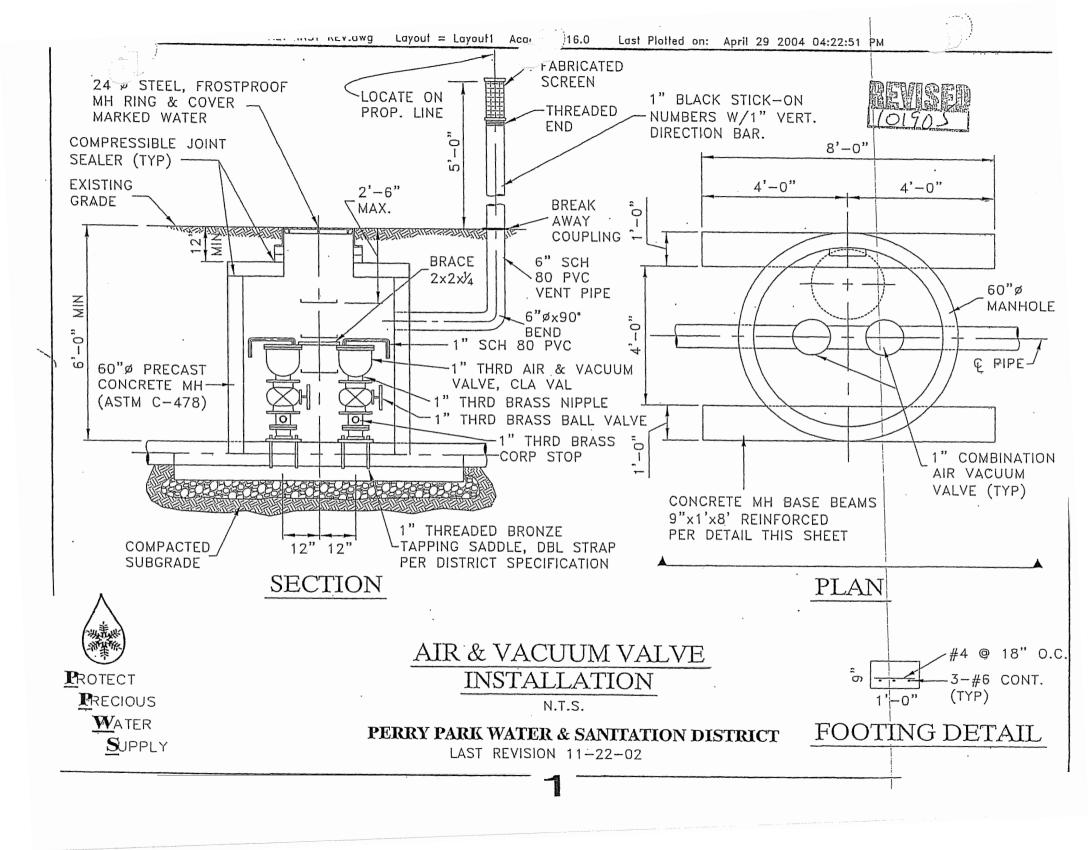


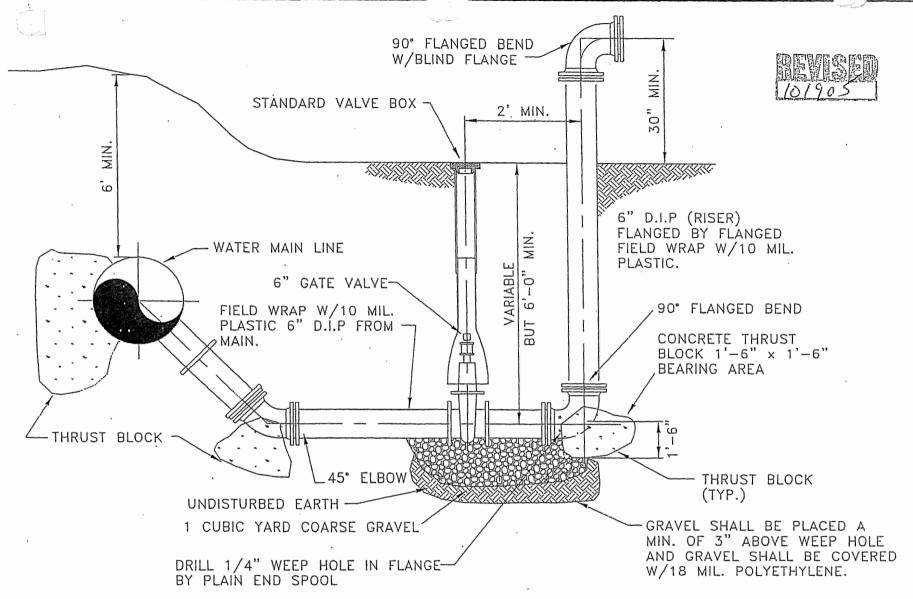
### Perry Park Water and Sanitation District 5676 West Red Rock Drive Larkspur, Colorado 80118

Telephone: 303.681.2050 Fax: 303.681.2051 www.ppwsd.org

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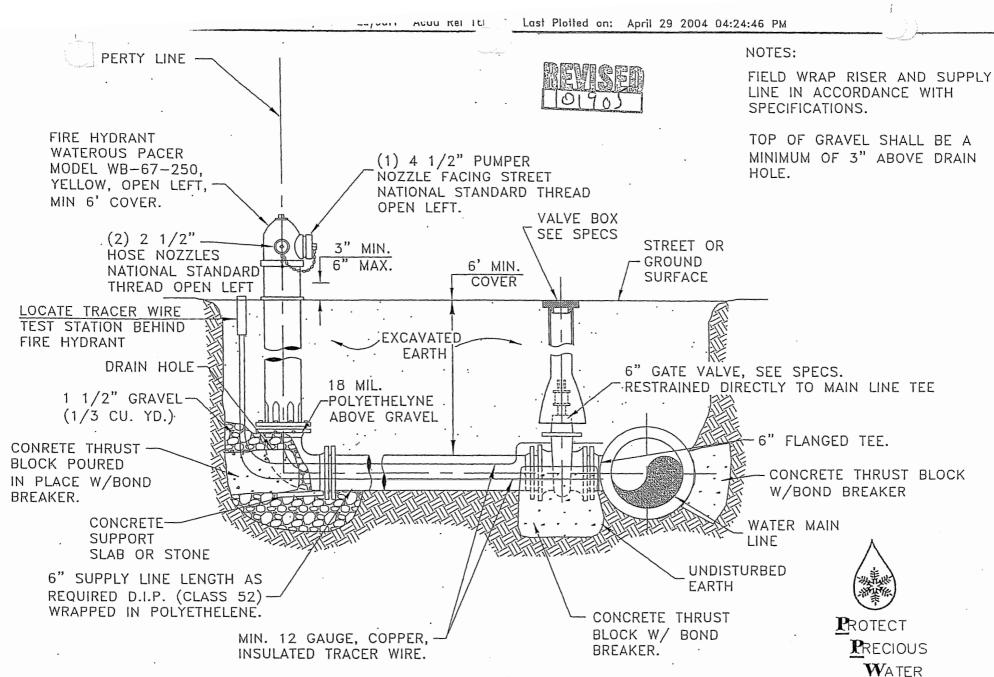
## BLOW-OFF & TEMPORARY FIREHOSE CONNECTION

N.T.S.

BLOWOFF AND TEMPORARY FIRE HOSE CONNECTION 1 OF 1

The Engineering Company

FORT COLLINS, COLORADO



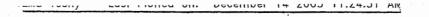
## FIRE HYDRANT ASSEMBLY DETAIL

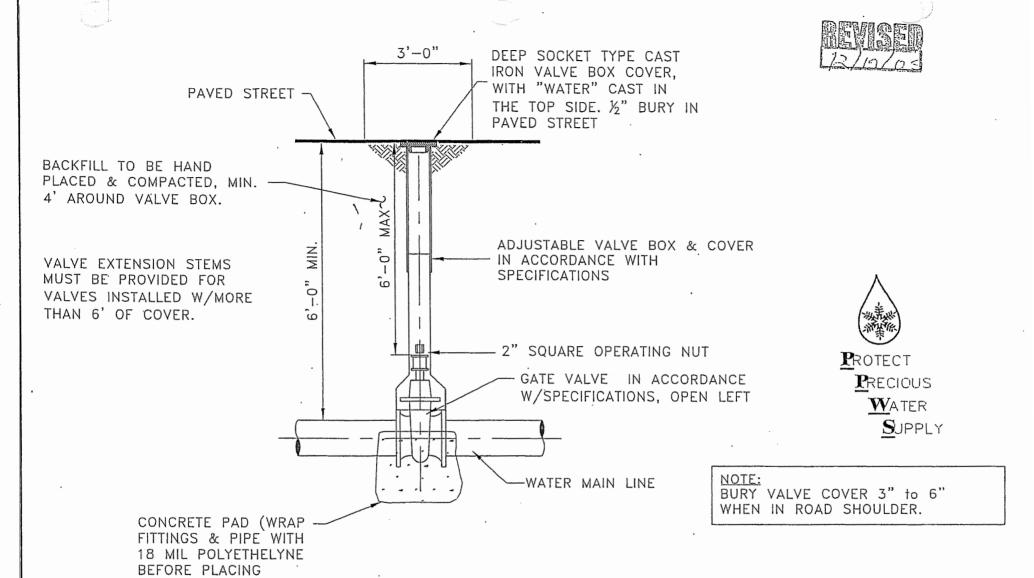
N.T.S.

LAST REVISION 11-22-02

PERRY PARK WATER & SANITATION DISTRICT

SUPPLY



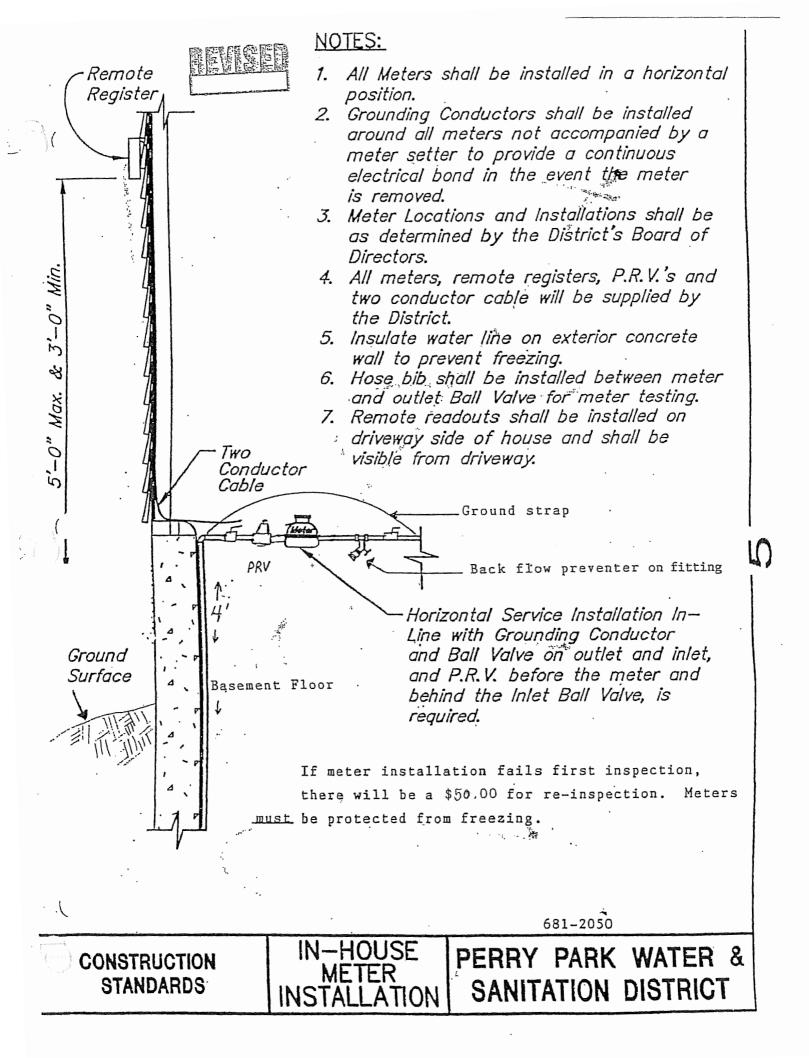


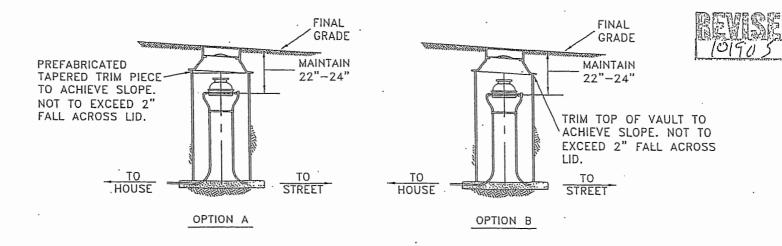
## GATE VALVE ASSEMBLY DETAIL

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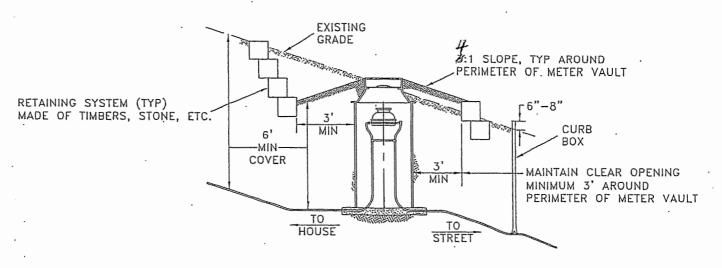
LAST REVISION 12-14-05 PERRY PARK WATER & SANITATION DISTRICT

CONCRETE).





#### ACCEPTABLE OPTIONS FOR GRADE ADJUSTMENTS FOR COVERS



METER VAULT GRADING DETAIL N.T.S.



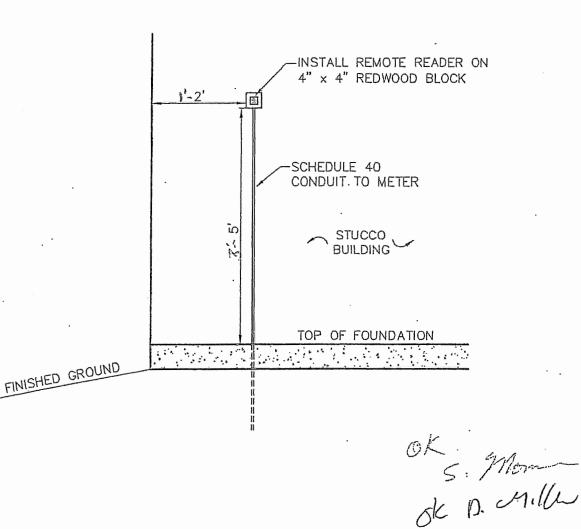
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PERRY PARK WATER & SANITATION DISTRICT

LAST REVISION 6-23-2003

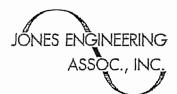
11-24-08

Remote: 3' to 5' above grade 1' to 2' from Corner

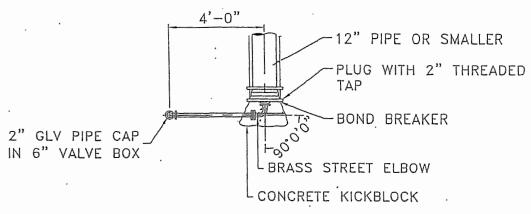


REMOTE READER DETAIL

PERRY PARK RIDGE JOB NO. 6017 APRIL 17, 2008 SHEET 1 OF 1



2120 W. Littleton Blvd., Suite 205 Littleton, Colorado 80120 Phone: 303-738-0283 Fax: 303-738-0285

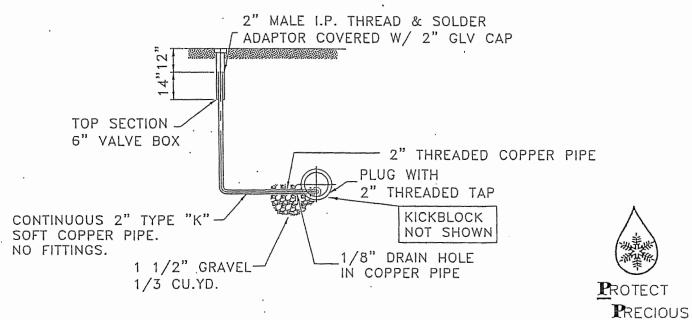




WATER

SUPPLY

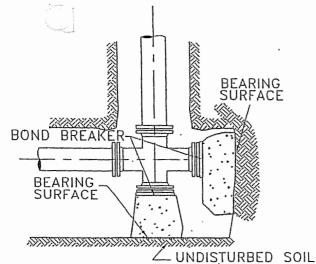
PLAN



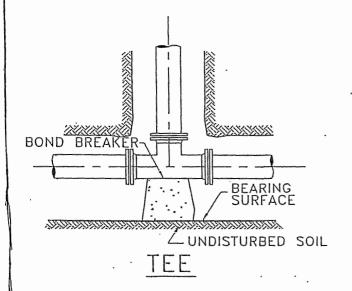
# TEMPORARY BLOW OFF ASSEMBLY N.T.S.

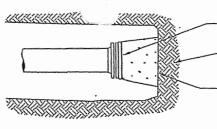
PERRY PARK WATER & SANITATION DISTRICT

LAST REVISION 11-22-02



CROSS W/DEAD **BRANCHES** END



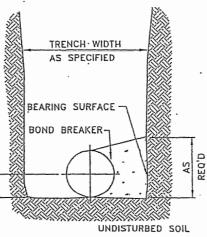


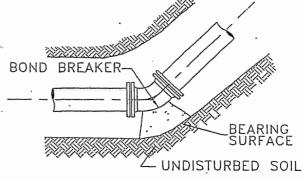
PLUG, CAP OR BLIND FLANGE W/BOND BREAKER UNDISTURBED SOIL

BEARING SURFACE



DEAD END





BEND-HORIZONTAL VERTICAL

MIN. THIDKNESS EQUAL TO PIPE O.D.

MID >	150 PSI WATER PRESSURE 2000 PSF SOIL BEAR, LD.			
BLOCK	PIPE SIZE DIA.	MDTH	DEPTH	
MIN. THRUST	6" 8" 10" 12" 14" 16"	2'-0" 2'-9" 3'-6" 4'-0" 4'-6" 5'-0"	2'-0" 2'-6" 3'-0" 3'-9" 4'-6" 5'-0"	

THRUST BLOCK DETAIL



PROTECT PRECIOUS WATER

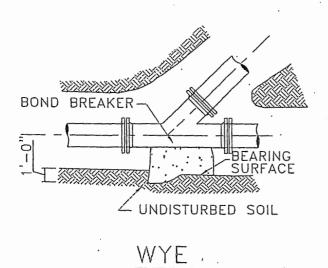
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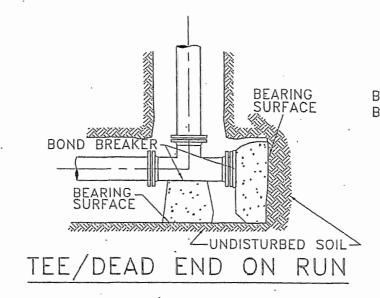
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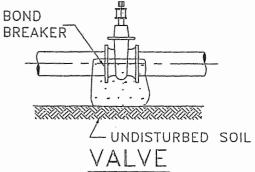
PERRY PARK WATER & SANITATION DISTRICT

SHT 1 OF 2









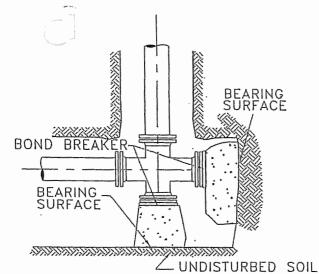


PROTECT
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SUPPLY

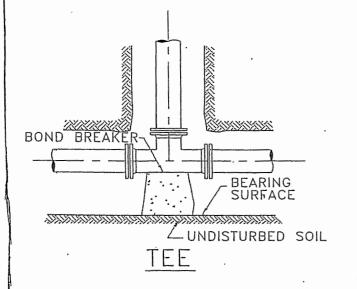
## THRUST BLOCK DETAIL

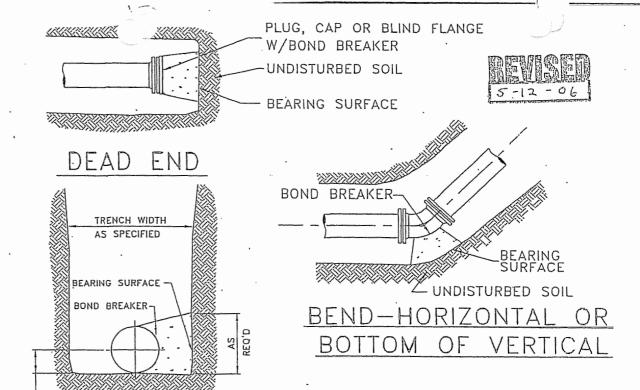
N.T.S.

PERRY PARK WATER & SANITATION DISTRICT



CROSS W/DEAD END BRANCHES





UNDISTURBED SOIL

THRUST BLOCK DETAIL

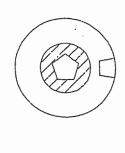
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PERRY PARK WATER & SANITATION DISTRICT

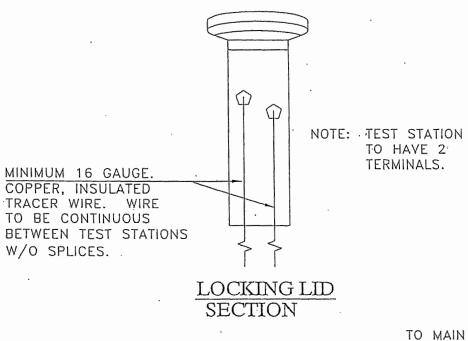


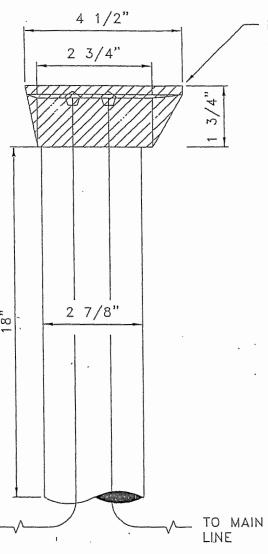
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SHT 1 OF 2



LOCKING LID PLAN VIEW





OCKING LID, SEE SECTION, PLAN VIEW THIS SHEET.



TRACER WIRE TEST STATION DETAIL

LINE

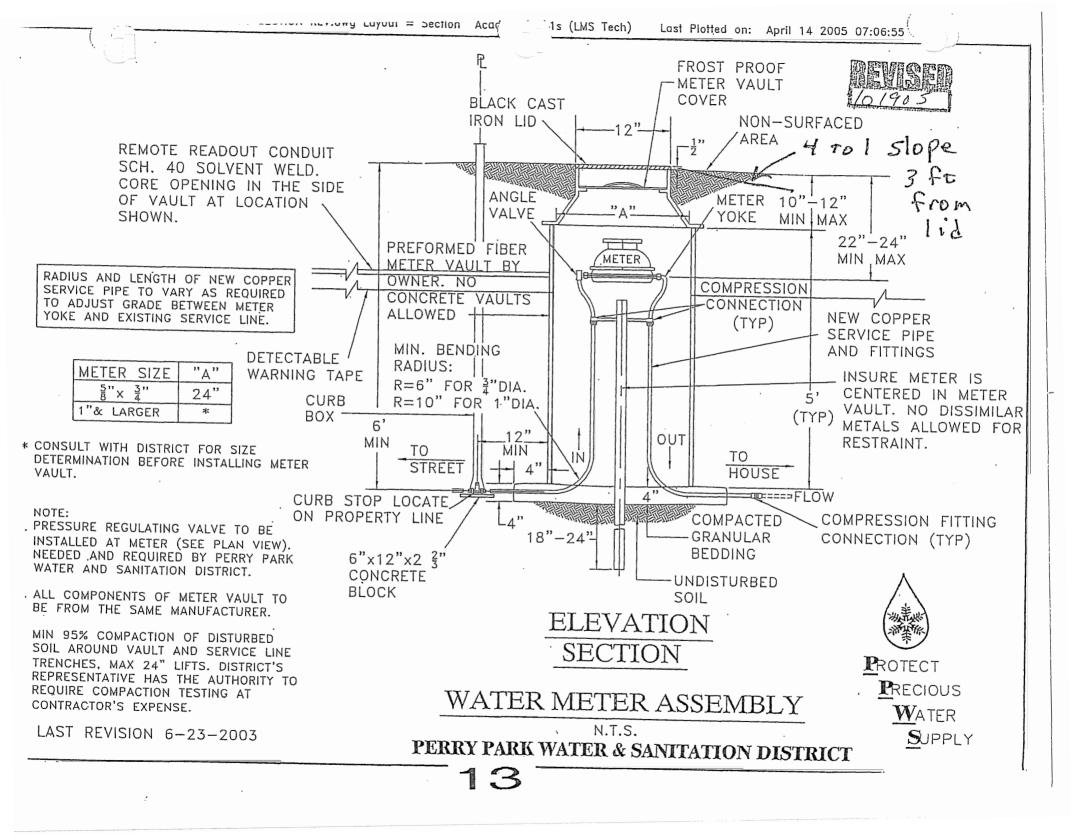
N.T.S.

LAST REVISION 11-22-02

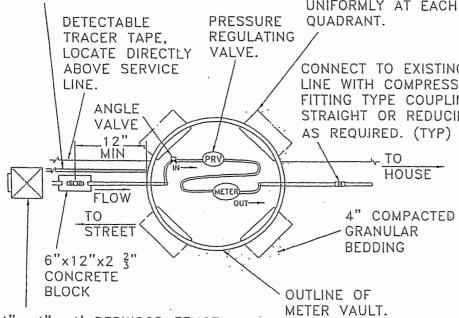
COPPER, INSULATED

W/O SPLICES.

PERRY PARK WATER & SANITATION DISTRICT



SCH. 40 SOLVENT WELD CONDUIT. CORE OPENING INTO SIDE OF METER VAULT. SILICONE SEAL BOTH ENDS OF CONDUIT.



4"x 4"x 4' REDWOOD FENCE POST WITH BRONZE, BRASS OR BLACK PLASTIC FENCE POST CAP. POST TO EXTEND 24"-30" ABOVE FINAL GRADE. FINAL PLACEMENT OF REMOTE READOUT POST TO BE DETERMINED BY THE DISTRICT. POST TO BE DIRECTLY IN LINE W/CURB STOP & METER VAULT. 4ea 6"W x 12"L x 2 ₹" PRECAST CONCRETE BASE BLOCKS TO BE PLACED UNIFORMLY AT EACH

LINE WITH COMPRESSION FITTING TYPE COUPLING.

NOTE:

. THE DISTRICT MUST APPROVE THE FINAL LOCATION OF THE METER VAULT PER APPROVED SITE PLAN.

· IN SLOPED SURFACE AREAS, THE VAULT COVER CONNECT TO EXISTING SERV. SHALL BE ADJUSTED TO/GRADE BY SKEWING ONLY THE COVER.

• IN SLOPED NON-SURF₩CED AREAS THE VAULT COVER STRAIGHT OR REDUCING TYPE SHALL BE SET 3" ABOWE THE HIGHEST ADJACENT EXISTING ELEVATION AND THE AREA AROUND THE VAULT REGRADED AT \$1 MAXIMUM SLOPE.

· SURFACE DRAINAGE SHALL BE DIRECTED AWAY FROM METER VAULT STRUCTURE.

· METER, METER YOKE, DETECTABLE TRACER TAPE AND PRV VALVE TO BE PURCHASED FROM DISTRICT.

 THE DISTRICT REQUIRES INSTALLATION OF A BALL VALVE IN THE HOUSE AT CUSTOMER POINT OF DISCONNECT.

· IN THE EVENT SPECIAL CIRCUMSTANCES ARISE WHICH DO NOT ALLOW FOR CONFORMANCE TO THE STANDARDS, CONSULT THE DISTRICT AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION.

THE DISTRICT AUTHORIZED REPRESENTATIVE HAS THE AUTHORITY TO REQUIRE ADDITIONAL WORK AS NEEDED PRIOR TO FINAL ACCEPTANCE.

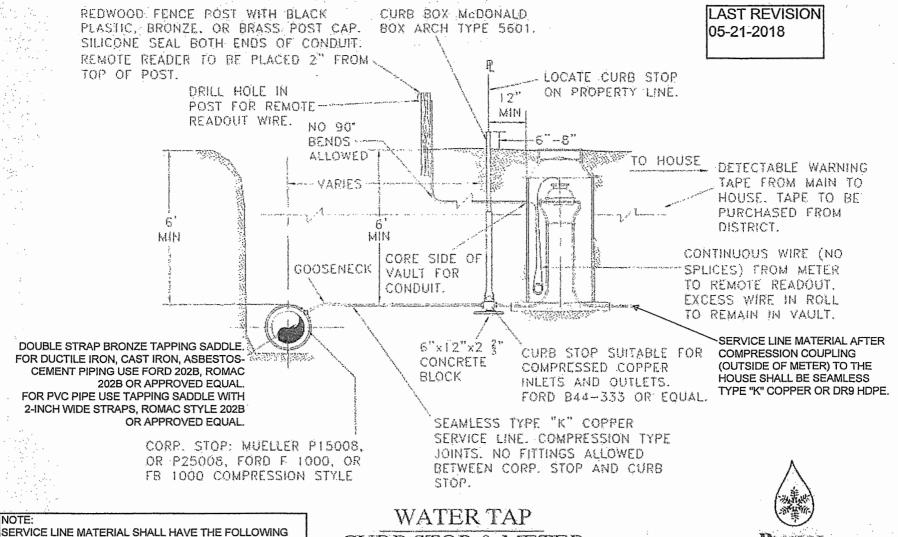
PLAN SECTION WATER METER ASSEMBLY

N.T.S.

PERRY PARK WATER & SANITATION DISTRICT

PROTECT PRECIOUS WATER SUPPLY

LAST REVISION 6-23-2003



**LAST REVISION 05-21-2018** 

CLEARLY MARKED ON THE PIPE; FOR HDPE - CLASS, SIZE, NAME OR TRADEMARK OF MANUFACTURER, DATE OF

MANUFACTURER, AND DEFLECTION ANGLE FOR BENDS.

FOR COPPER: TYPE, NAME OR TRADEMARK OF

MANUFACTURER, AND COUNTRY OF ORIGIN.

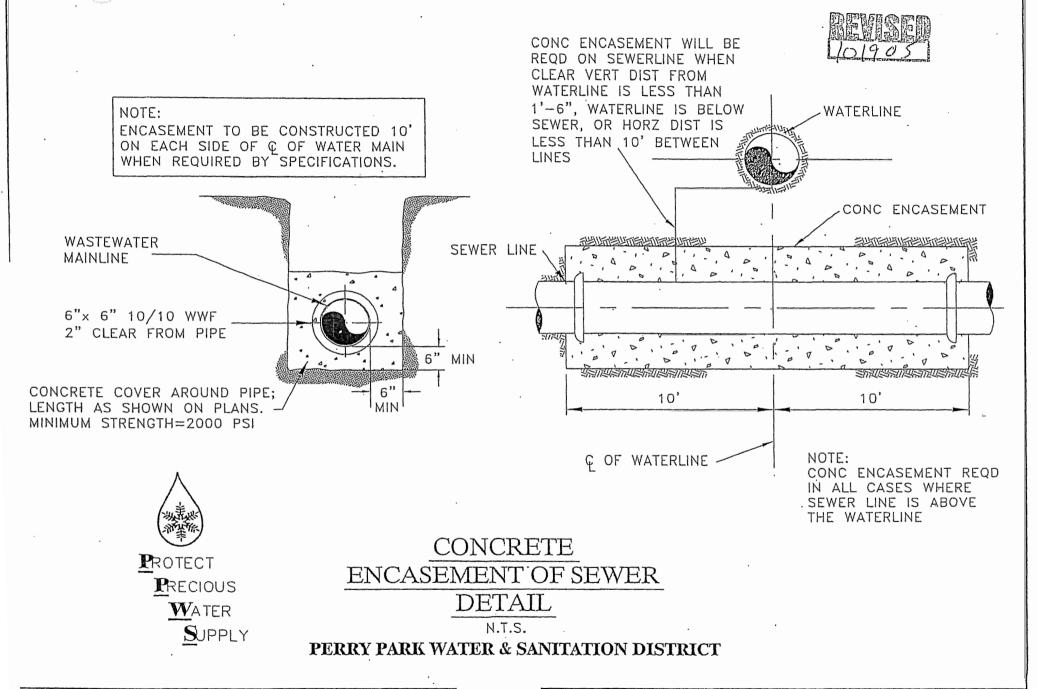
PERRY PARK WATER & SANITATION DISTRICT

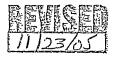
CURB STOP & METER

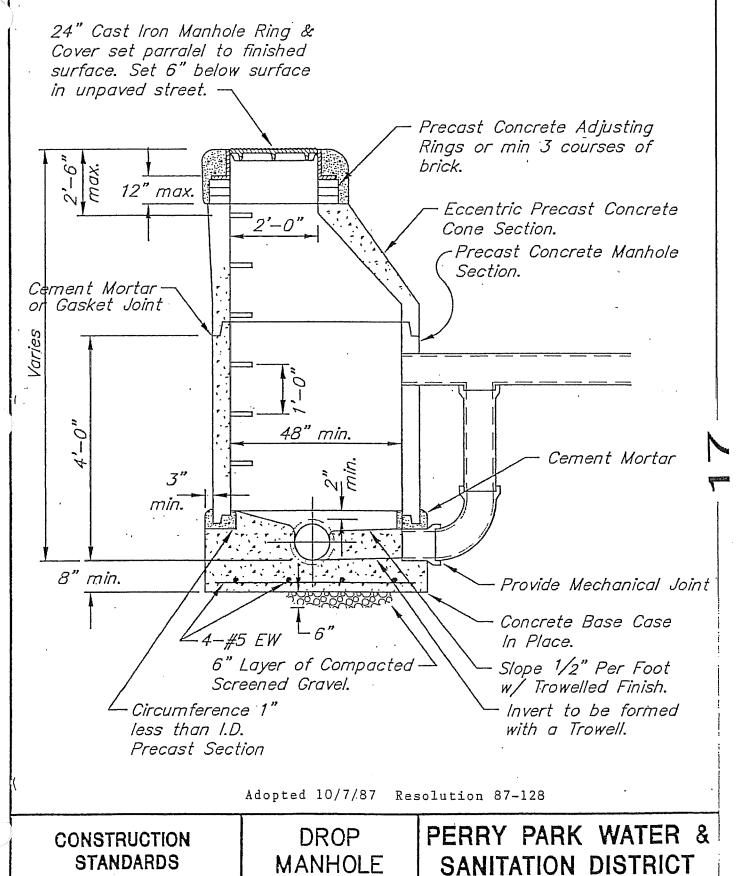
VAULT

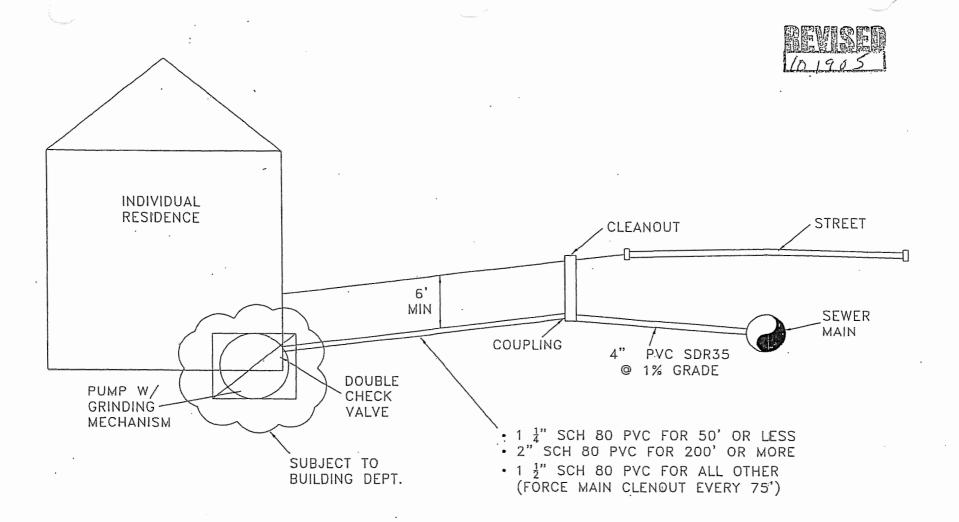
N.T.5.

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WATER
SUPPLY









## INDIVIDUAL SEWER SERVICE FORCE MAIN

N.T.S.





OPTIONAL SEWER STUBOUT DETAIL

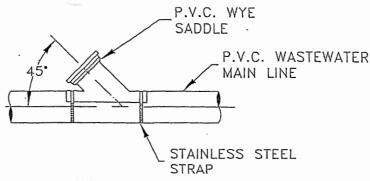
N.T.S.

PERRY PARK WATER & SANITATION DISTRICT LAST REVISION 5/19/2005

SUPPLY

## PROCEDURE FOR MAKING GASKETED SEWER SADDLE CONNECTION

- PLACE SADDLE IN POSITION ON PIPE. USE SADDLE AS A TEMPLATE AND MARK GUIDE FOR HOLE CUT IN. REMOVE SADDLE FROM PIPE.
- 2. USING HOLE GUIDE MARK, CUT HOLE THROUGH PIPE WALL OUTSIDE THE HOLE GUIDE MARK BY THE THICKNESS OF THE SADDLE STEM. THE DIAMETER OF THE HOLE SHOULD NOT EXCEED THE OUTSIDE DIAMETER OF THE SADDLE STEM BY MORE THAN 1/4". USE A HAND KEYHOLE OR POWER SABER TO CUT THE HOLE. FOR MOST SABER SAWS WITH HEAVY DUTY BLADES, THE BLADE SHOULD BE HELD HORIZONTALLY ACROSS THE PIPE AND PRESSED DOWNWARD UNTIL IT PENATRATES THE PIPE WALL. THEN THE BLADE CAN BE BROUGHT TO THE VERTICAL POSITION AND THE HOLE CUT COMPLETED. FOR WYE SADDLES, CUT OR BEVEL THE DOWNSTREAM END OF THE HOLE AT A 45° ANGLE TO . ALLOW THE SADDLE STEM TO FIT.
- WIPE CLEAN AND DRY BOTH THE UNDERSIDE OF THE SADDLE AND THE MATING SURFACE OF THE PIPE.
- 4. POSITION SADDLE OVER THE HOLE. PLACE THE TWO (2) STAINLESS STEEL HOSE CLAMPS AROUND THE PIPE AND THROUGH THE SLOTS AT EACH END OF THE SADDLE SKIRT. CHECK TO SEE THAT THE SADDLE STEM IS RECESSED IN THE HOLE AND THAT THE STRAPS ARE AT RIGHT ANGLES TO THE PIPE SURFACE.
- ALTERNATELY TIGHTEN STRAPS WITH A LARGE SCREWDRIVER WITH A GOOD GRIP UNTIL THE MAXIMUM TORQUE HAS BEEN REACHED BY HAND. THE MINIMUM TORQUE APPLIED SHOULD BE 5 FT-LBS.
- BACKFILL SHOULD BE CAREFULLY SELECTED AND TAMPED AROUND PIPE AND SADDLE TO PROVIDE FIRM AND CONTINUOUS SUPPORT FOR BOTH.

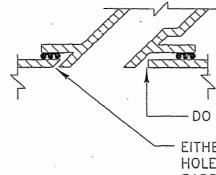




PLAN VIEW

NOTE:

IF SADDLES ARE NOT PROPERLY POSITIONED THE RUBBER GASKET MAY NOT BE TOUCHING THE PIPE, POSSIBLY RESULTING IN A LEAK.



-DO NOT CUT HOLE OVERSIZED

EITHER CUT OR BEVEL THIS SIDE OF HOLE IN PIPE AT 45° ANGLE SO SADDLE STEM WILL FIT PROPERLY

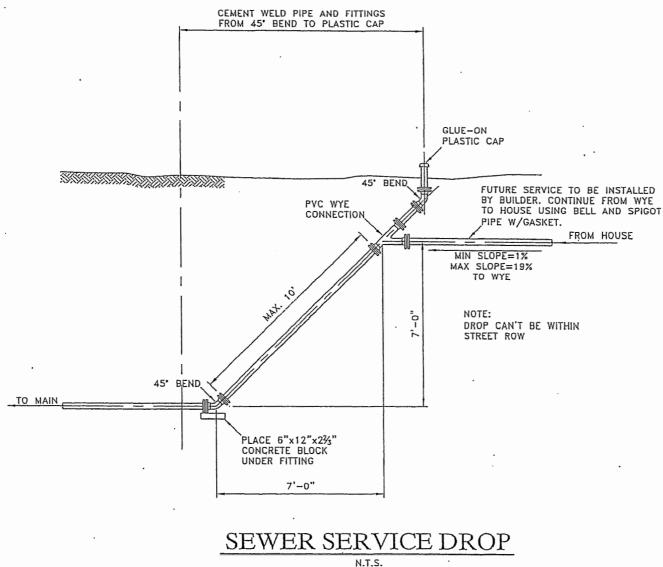
SADDLE N.T.S.



The Engineering Company

FORT COLLINS, COLORADO

45° SADDLE 1 OF 1

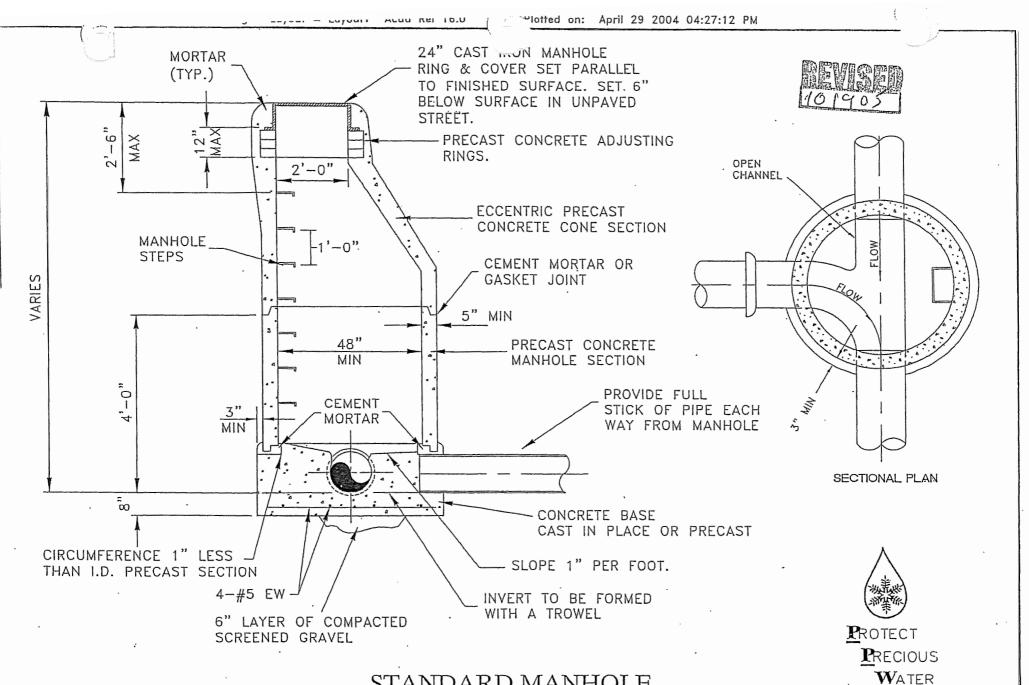




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LAST REVISION 3/15/2005 PERRY PARK WATER & SANITATION DISTRICT

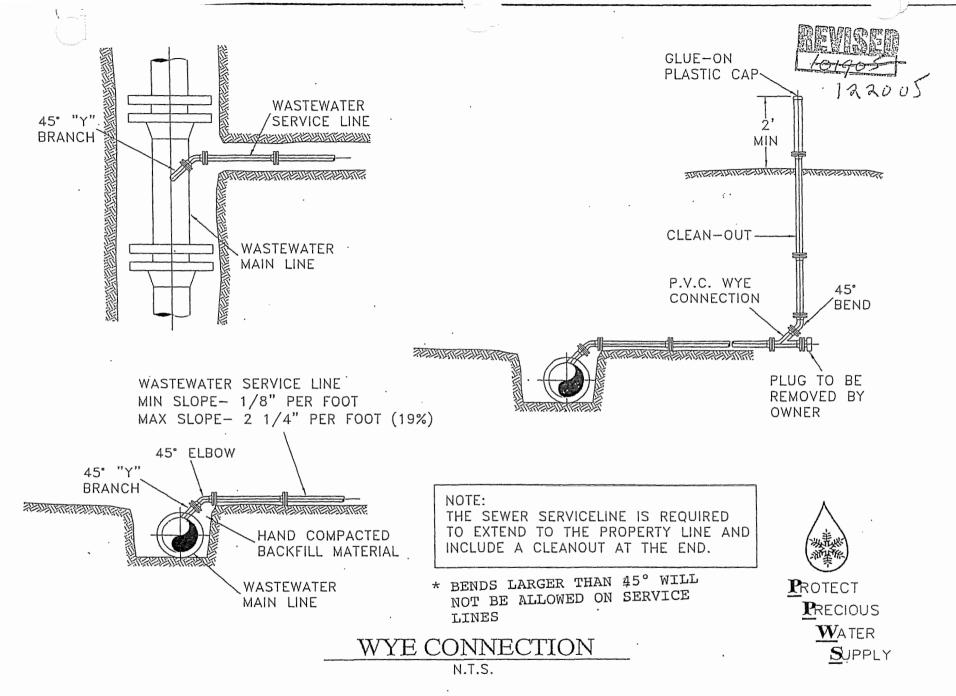


## STANDARD MANHOLE

N.T.S.

SUPPLY

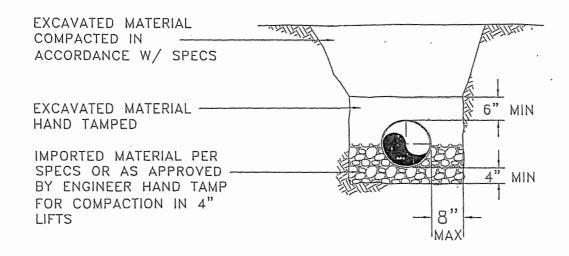
PERRY PARK WATER & SANITATION DISTRICT



LAST REVISION 3/13/2003

PERRY PARK WATER & SANITATION DISTRICT







The Engineering Company

FORT COLLINS, COLORADO

PVC AND DIP BEDDING DETAIL 1 OF 1

