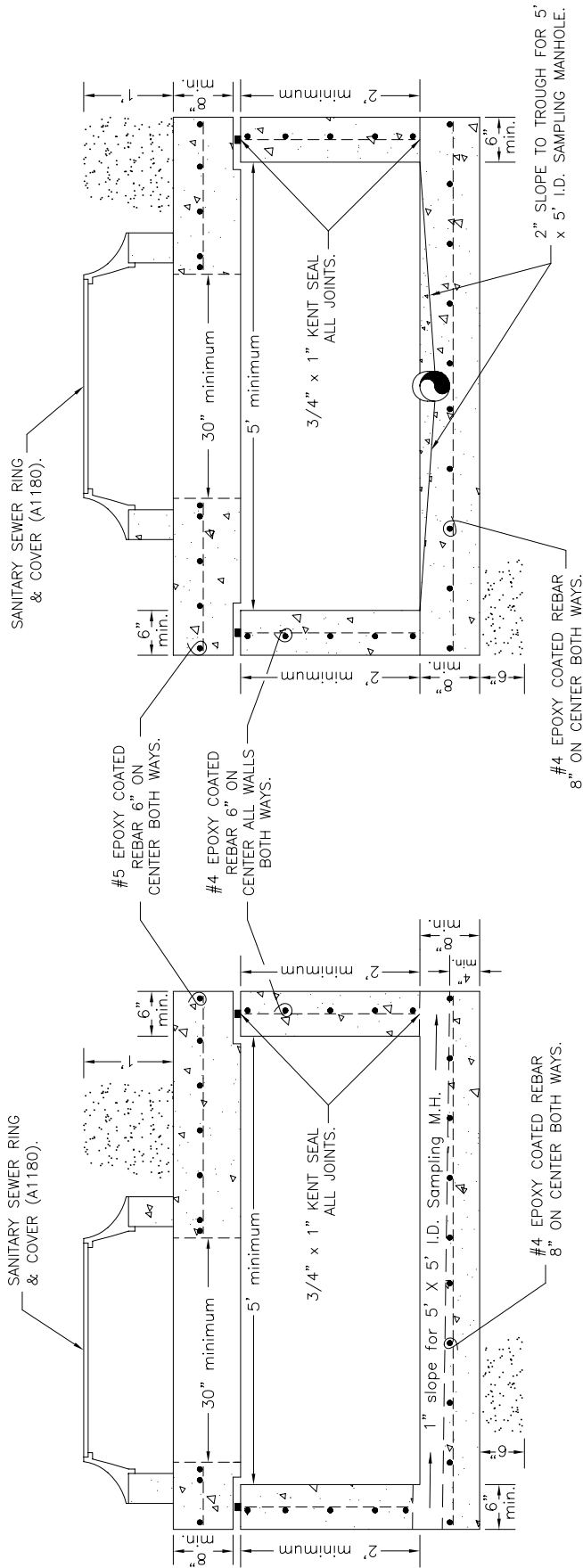




# GRANGER-HUNTER IMPROVEMENT DISTRICT

10-17-01	NOTATION REVISION.	V.J.H.	DRAWN	CHECKED	APPROVED
12-22-03	ADDED & REVISED NOTATIONS, RE-FORMAT DETAILS AND NOTATIONS.	V.J.H.	V.J.H.	P.T.T.	D.J.P.
7-1-04	REVISED NOTES 9, 12, 13, 18, 20 AND 21.	V.J.H.	DATE	SCALE	DWG. NO.
8-18-04	CHANGED BEDDING COMPACTION MINIMUM TO 95%.	V.J.H.	FEB. 2001	1" = 2'	1 of 1
DATE	REVISIONS	BY			

## TYPICAL SAMPLING MANHOLE SPECIFICATIONS 5' x 5' x 2' MINIMUM



### DETAILS

- NOTE:
1. ALL CONSTRUCTION IN PIPE ZONE SHALL FOLLOW G.H.I.D. SPECIFICATIONS AND REQUIREMENTS.
  2. THE EXISTING SEWER COLLECTION SYSTEM SHALL REMAIN IN SERVICE DURING CONSTRUCTION.
  3. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO LOCATE AND AVOID ANY/ALL UTILITIES.
  4. ALL CONSTRUCTION ABOVE PIPE ZONE SHALL FOLLOW W.V.C. SPECIFICATIONS AND REQUIREMENTS.
  5. ALL SEWERLINE CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, REPLACEMENT OF CURB, SIDEWALK, ETC. TO BE IN ACCORDANCE WITH A.P.W.A. STANDARD PLANS AND SPECIFICATIONS (2002 EDITION). REFER TO A.P.W.A. PLAN 255 FOR PAVEMENT REPLACEMENT, AS PER W.V.C. REQUIREMENTS.
  6. REFER TO O.S.H.A., A.P.W.A., W.V.C. & G.H.I.D. REQUIREMENTS AND SPECIFICATIONS FOR TRENCH DETAIL.
  7. CONTRACTOR IS TO SAWCUT ALL TRENCHES AND PROVIDE A SMOOTH CLEAN EDGE FOR PAVING.
  8. ALL MANHOLES SHALL HAVE A CONCRETE COLLAR PER A.P.W.A. PLAN 574.
  9. SELECT BEDDING AND BACKFILL IS REQUIRED 6" UNDER, 12" ON SIDES AND 12" OVER SEWER SAMPLING MANHOLE, LATERAL, FITTINGS AND MAIN.
  10. SELECT BEDDING AND BACKFILL SHALL BE 3/4" MINUS GRAVEL. PIPE BEDDING SHALL BE COMPACTED TO 95% MINIMUM ASTM D-1557.
  11. MINIMUM TRENCH WIDTH SHALL BE EQUAL TO OUTSIDE PIPE DIAMETER PLUS 1 FOOT ON EACH SIDE OF PIPE.
  12. TYPE OF PIPE SHALL BE P.V.C. SDR-35.
  13. MINIMUM GRADE FOR 4" P.V.C. SDR-35 IS 2% OR 1/4" PER LINEAL FOOT.
  14. BETWEEN TWO DIFFERENT MATERIALS, SUCH AS CLAY TO P.V.C., USE FERCO COUPLERS OR EQUAL (NO-HUB BANDS ARE NOT ALLOWED).
  15. DISTANCE BETWEEN CLEANOUTS NOT TO EXCEED 60'.
  16. BENDS TOTALING 90° MUST BE BACKED BY A CLEANOUT.
  17. SEWER LATERALS MAY RUN UNDER DRIVE APPROACH, PERMITTING TOP OF CLEANOUT IS NOT UNDER CONCRETE.
  18. ALL LATERAL PLUGS SHALL BE SLIP IN SOLID PLASTIC PLUGS (BRANDT PLUGS ARE NOT ALLOWED).
  19. IF DAMAGE IS CAUSED TO SEWER MAIN, DUE TO M.H. INSTALLATION AND/OR OTHER MEANS, CONTRACTOR WILL BE HELD RESPONSIBLE FOR REPAIRS.
  20. NO MORE THAN ONE GRADE RING, 1' MAX., ALLOWED PER RING AND COLLAR.
  21. SANITARY SEWER SHALL NOT RUN THROUGH THE SAMPLING MANHOLE AND/OR GREASE TRAP. SANITARY SEWER SHALL BE CONNECTED TO THE SEWER LATERAL DOWNSTREAM FROM THE SAMPLING MANHOLE.
  22. SAMPLING MANHOLE SHALL BE SUITABLE FOR H-20 LOADINGS.