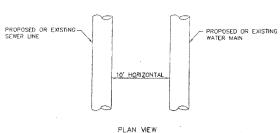
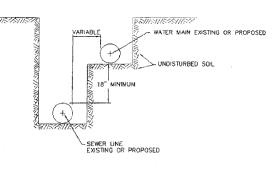


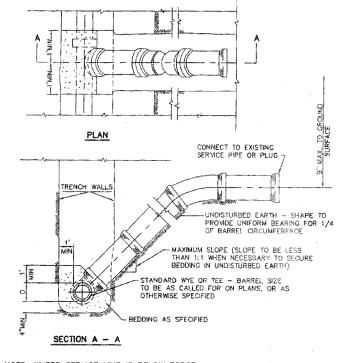
WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01B (1)



WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE SECTION 41-2.01B (2)



WATER AND STORM SEWER SEPARATION (HORIZONTAL)



NOTE: WHERE SERVICE LINE IS BELOW FORCE MAIN, CONNECTION IS MADE ABOVE NORMAL FLOW OF MAIN SEWER.

NOTE: RISERS TO BE CONSTRUCTED IN LIEU OF WYES WHERE SEWER DEPTH EXCEEDS 12'-0". FOR PIPE MATERIAL AND CONCRETE SEE SPECIFICATIONS.

TYPICAL RISER FOR SERVICE LATERAL

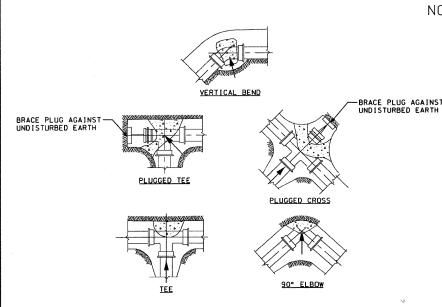
PROPOSED WATER MAIN <u>BELOW EXISTING</u> SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B

-EXISTING SEWER LINE

18" MINIMUM

-PROPOSED



NOTE:
ALL BLOCKS BEAR AGAINST UNDISTURBED
EARTH. ARROWS INDICATE DIRECTION OF
THRUST. ALL BLOCKS TO BE 3000 P.S.I.
CONCRETE. ALL FITTINGS SHOWN IN PLAN
EXCEPT VERTICAL BEND.

TYPICAL THRUST BLOCK INSTALLATIONS

"S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AND MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

GUIDELINES

1. DMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO DNE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".

THEMESTICALLY INTO THE PROPERTY OF

SEE GUIDELINES #2.

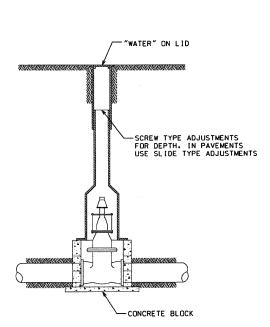
FOR CASING SEE GUIDELINES #4.

2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.

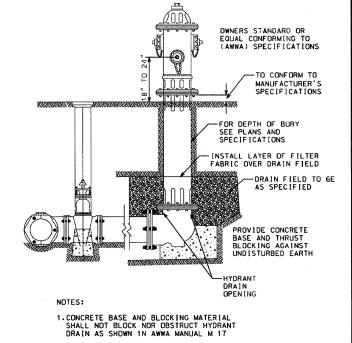
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.

4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

WATER AND STORM SEWER SEPARATION (VERTICAL)



TYPICAL VALVE BOX INSTALLATION



FIRE HYDRANT ASSEMBLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UTILITY RELOCATION DETAILS							RTE. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
							00 60-(30,31,128)-1		MADISON/ST. CLAIR	399	136
									CONTRACT	NO. 7	6830
SCALE:	SHEET NO. 3	OF 4	SHEETS	STA.	TO STA.	FED. RO	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				