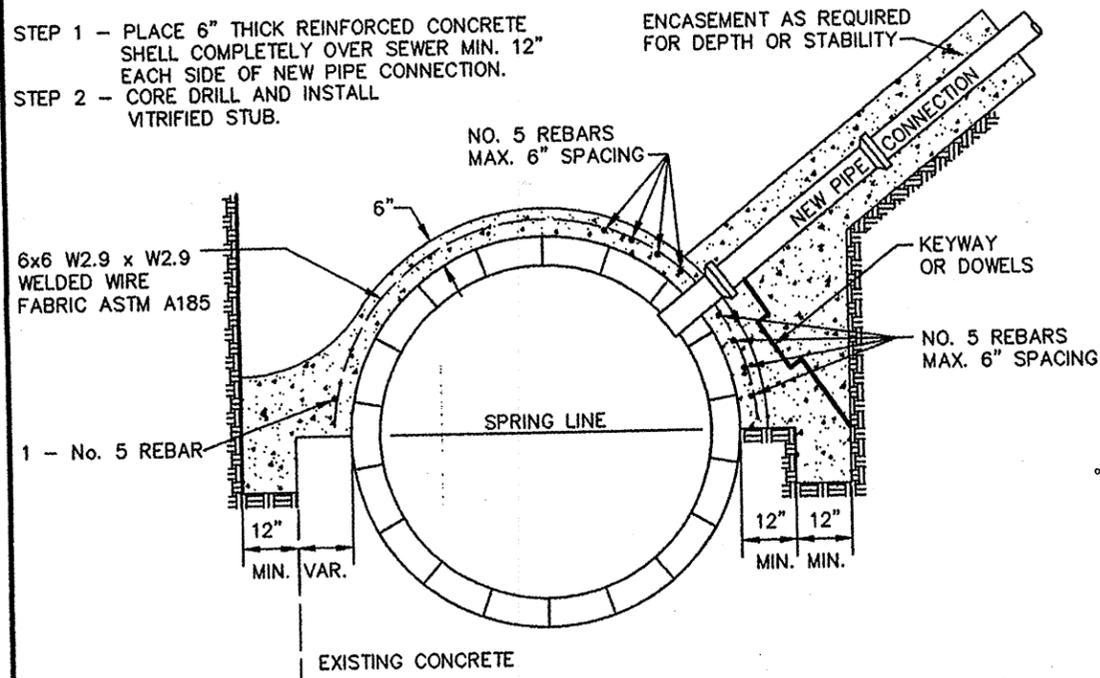


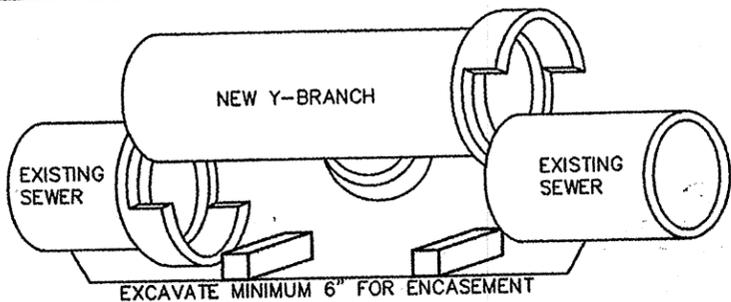
TYPICAL CONNECTION TO EXISTING SEGMENTAL BLOCK SEWER. TYPICAL OF CONNECTION TO EXISTING BRICK SEWER, EXCEPT CONCRETE SHELL IS NOT REQUIRED IF SEWER IS IN GOOD CONDITION. ONLY ENCASEMENT OF STUB AND CONNECTION IS REQUIRED.

- STEP 1 - PLACE 6" THICK REINFORCED CONCRETE SHELL COMPLETELY OVER SEWER MIN. 12" EACH SIDE OF NEW PIPE CONNECTION.
STEP 2 - CORE DRILL AND INSTALL VITRIFIED STUB.



WHERE A CONCRETE HAUNCH DOES EXIST, THICKEN REINFORCED CONCRETE SHELL TO UNDISTURBED GROUND. DO NOT DISTURB CONCRETE HAUNCH.

WHERE NO CONCRETE HAUNCH EXISTS, THICKEN REINFORCED CONCRETE SHELL TO UNDISTURBED GROUND. DO NOT DISTURB GROUND BELOW SPRING LINE.



SAWCUT AND REMOVE THE UPPER HALF OF THE BELL OF THE NEW Y-BRANCH. SAWCUT AND REMOVE THE UPPER HALF OF THE BELL OF THE EXISTING SEWER PIPE OR NEW SHORT.

PLACE THE NEW Y-BRANCH ON SUITABLE BLOCKING WITH THE "Y" ON THE OPPOSITE SIDE OF THE SEWER FROM THE PROPOSED LATERAL.

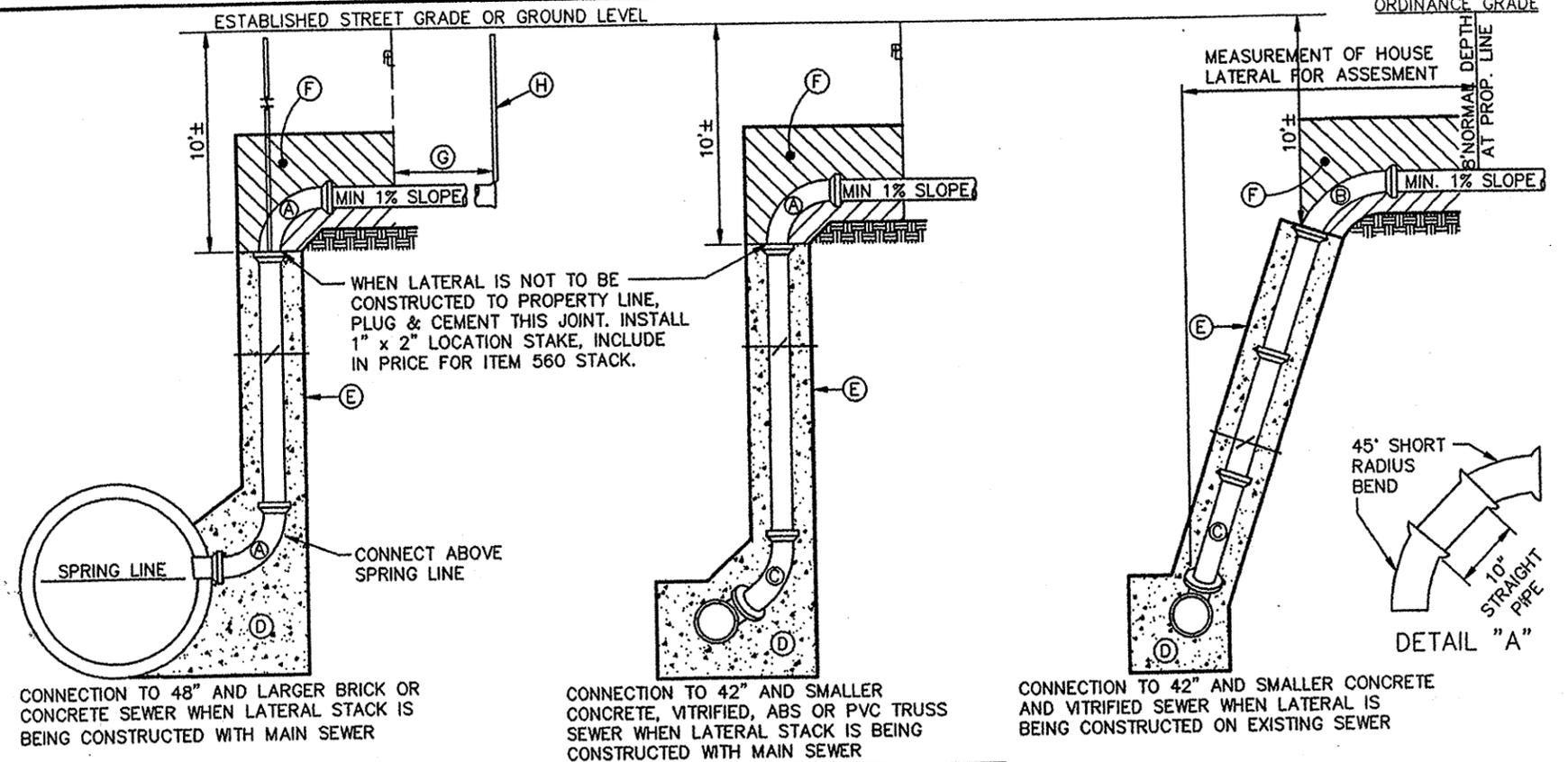
ROTATE THE Y-BRANCH 180°, BRINGING THE "Y" INTO THE CORRECT POSITION FOR THE PROPOSED LATERAL, WITH THE STUB TURNED SLIGHTLY UPWARDS. THE GOOD PORTION OF THE BELL OF EACH PIPE WILL NOW BE AT THE BOTTOM OF EACH JOINT.

ALIGN INVERTS OF ALL PIPE AND PLACE JUTE PACKING INTO VOID AREAS IN THE BELLS.

FULLY ENCASE THE NEW Y-BRANCH WITH CLASS "C" CONCRETE 6" THICK, COMPLETELY COVERING BOTH BELLS OF THE SEWER AND THE BARREL AND BELL OF THE STUB.

STANDARD FOR INSTALLING Y-BRANCH IN VITRIFIED PIPE FOR SANITARY OR STORM LATERAL. AN ACCEPTABLE ALTERNATE IS TO USE MANUFACTURED RUBBER COUPLINGS AS SUPPLIED BY LOGAN CLAY PIPE CO., OR EQUAL

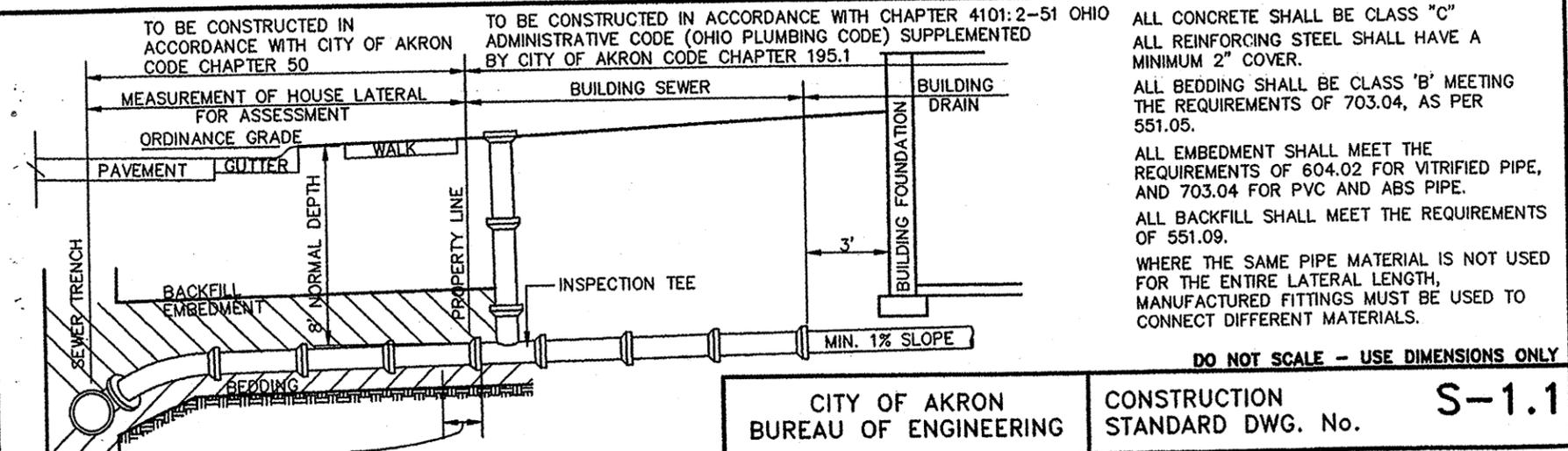
TYPICAL Y-BRANCH INSTALLATION OR SEWER RECONSTRUCTION REPAIR METHOD.



	VCP	PVC OR ABS
A	90° LONG RADIUS BEND	90° LONG RADIUS BEND OR AS PER DETAIL A
B	45° LONG RADIUS	45° LONG OR SHORT RADIUS BEND
C	LONG RADIUS BEND	LONG RADIUS BEND OR SHORT RADIUS BENDS NOT TO EXCEED 45°
D	CONCRETE ENCASEMENT (MIN. 6" THICKNESS)	# 57 STONE ENCASEMENT MINIMUM 6" THICKNESS
E	SONOTUBE (OPTIONAL) INCLUDE IN COST OF 560	SONOTUBE (REQUIRED) INCLUDE IN COST OF 560 STACK
F	BEDDING IN ACCORDANCE WITH 551.05, INCLUDED IN COST OF 560 STACK.	
G	MINIMUM 3' LENGTH BEHIND PROPERTY LINE	
H	WHEN LATERAL IS NOT TO BE CONNECTED TO AN EXISTING LATERAL, FINISH WITH A BELL END, USE A REMOVABLE PLUG IN THE END, AND INSTALL A 1" x 2" LOCATION STAKE, INCLUDE IN THE COST OF ITEM 560 STACK.	

NOTE: SONOTUBES MAY BE USED TO FORM CONCRETE ENCASEMENT PROVIDED THE MINIMUM 6" THICKNESS IS MAINTAINED. CONCRETE ENCASEMENT SHOULD BE STOPPED ONLY AT BELLS. STACKS SHALL BE CONSTRUCTED TO WITHIN 10"± OF ESTABLISHED STREET GRADE OR GROUND LEVEL. ENCASEMENT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 560 STACK, WHEN NOT CONSTRUCTED TO PROPERTY LINE OR ITEM 560 HOUSE LATERAL, WHEN CONSTRUCTED TO PROPERTY LINE.

METHODS OF CONSTRUCTING SANITARY LATERALS WHEN DEPTH OF SEWER IS 14' OR GREATER



THE INVERT OF THE LATERAL SHALL BE AT THE SAME LEVEL AS THE CROWN OF THE SEWER.

WHERE THE BUILDING SEWER EXISTS THIS CONNECTION SHALL BE MADE BY THE CONTRACTOR AT NO EXTRA COST. WHERE THE BUILDING SEWER DOES NOT EXIST THE END OF THE LATERAL SHALL BE PLUGGED AT THE PROPERTY LINE AND MARKED WITH A STAKE TO THE GROUND SURFACE.

CITY OF AKRON BUREAU OF ENGINEERING	CONSTRUCTION STANDARD DWG. No. S-1.1
<i>David J. Jelic</i> 3-4-99 MANAGER, DESIGN DIVISION <i>Pawan K. Khaitan</i> 3-4-99 MANAGER, CONSTRUCTION DIVISION <i>Charles H. ...</i> 3-4-99 CITY ENGINEER	Y-BRANCH LATERAL STACK
REVISIONS:	

DO NOT SCALE - USE DIMENSIONS ONLY