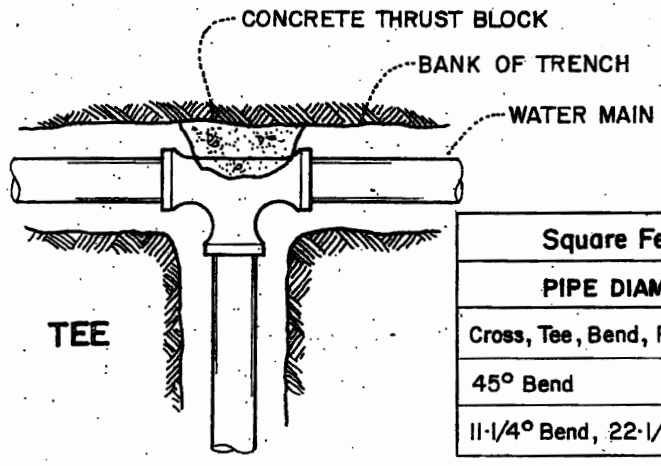
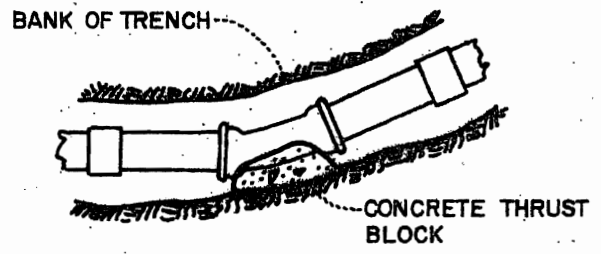


Note:
 CONCRETE SHALL BE 2500 p.s.i. (5 SACK)
 ALL SITUATIONS NOT COVERED HERE SHALL BE INDIVIDUALLY DESIGNED BY THE CITY ENGINEER.



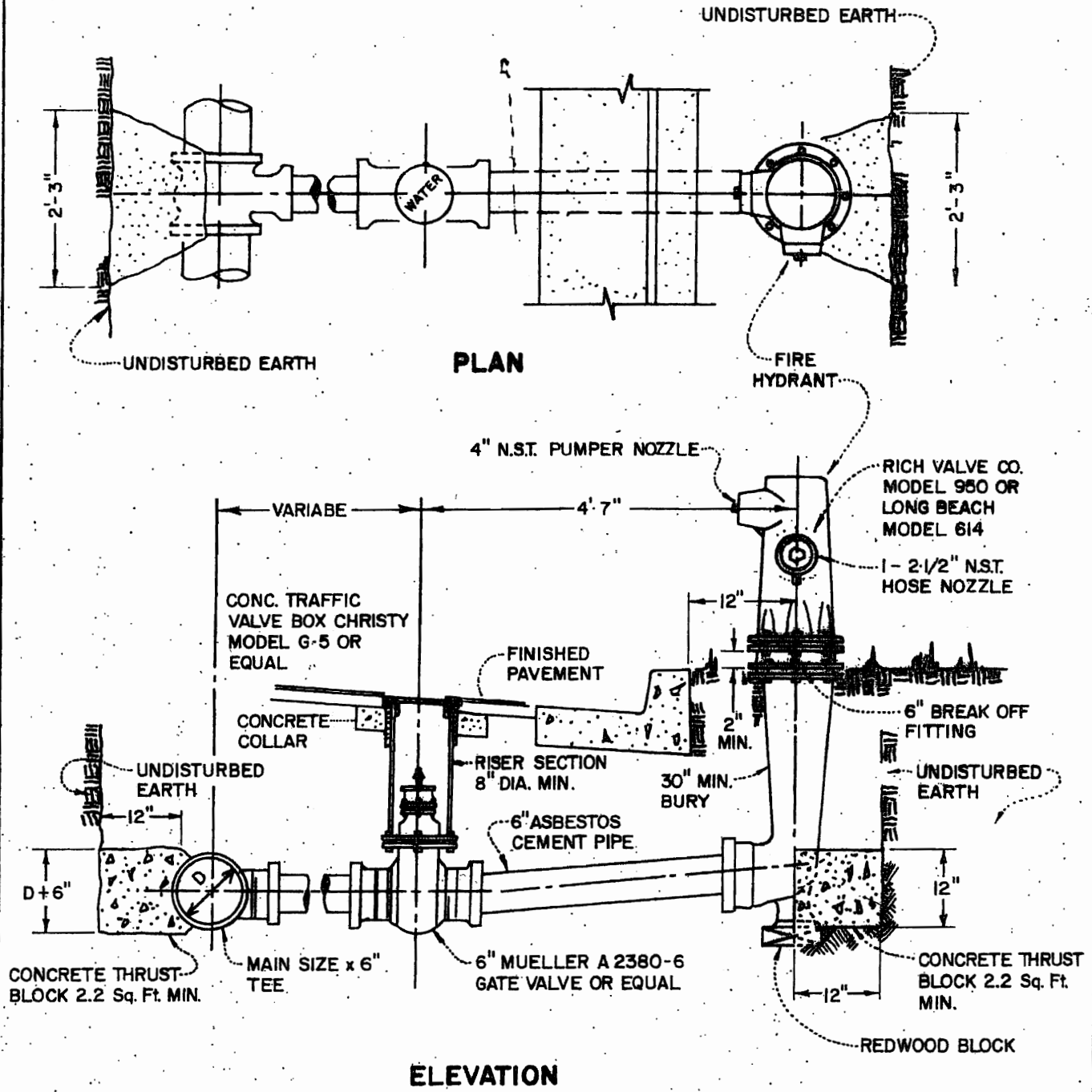
ANGLE BEND

Square Feet of Bearing Areas Required				
PIPE DIAMETER	6"	8"	10"	12"
Cross, Tee, Bend, Plug & Fire Hydrant.	3	5	8	11
45° Bend	2	3	5	6
11-1/4° Bend, 22-1/2° Bend	1	2	3	3

CITY OF *Lindsay*
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CONCRETE THRUST BLOCK DETAIL

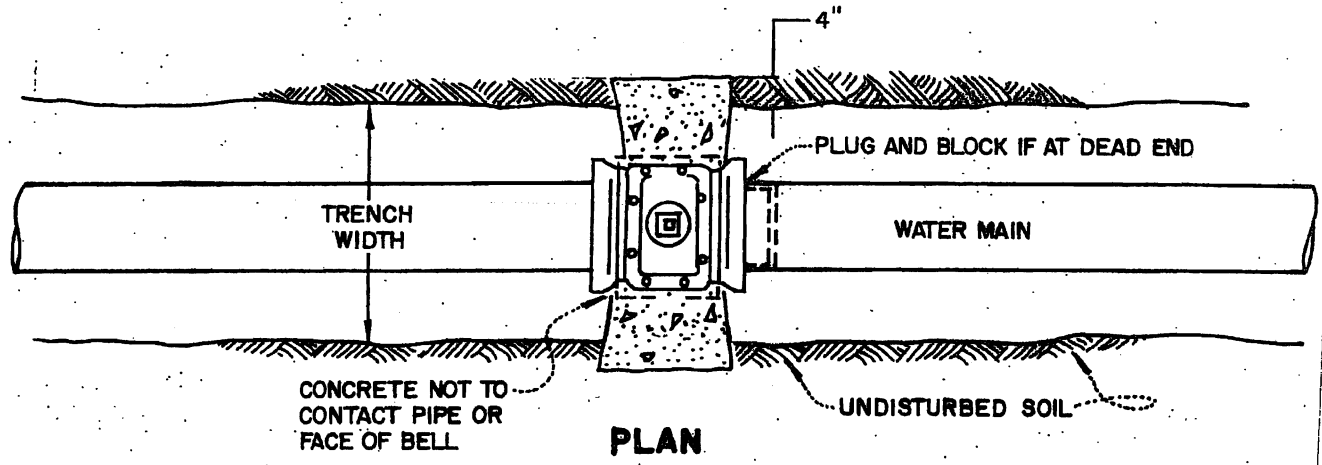
MARK	DATE	REVISION	Engineering Standard
			Approved <i>[Signature]</i> WA-1
			Date 9/14/79



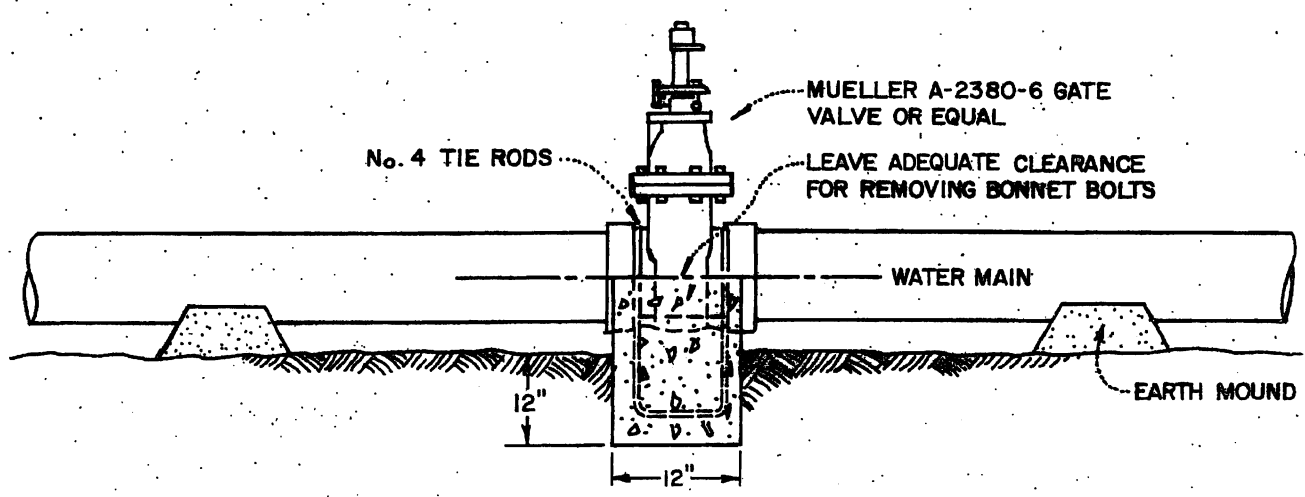
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 DEPARTMENT OF PUBLIC WORKS

FIRE HYDRANT ASSEMBLY

MARK	DATE	REVISION	Engineering Standard	WA-2
			Approved <i>[Signature]</i>	
			Date 9/13/79	



PLAN



ELEVATION

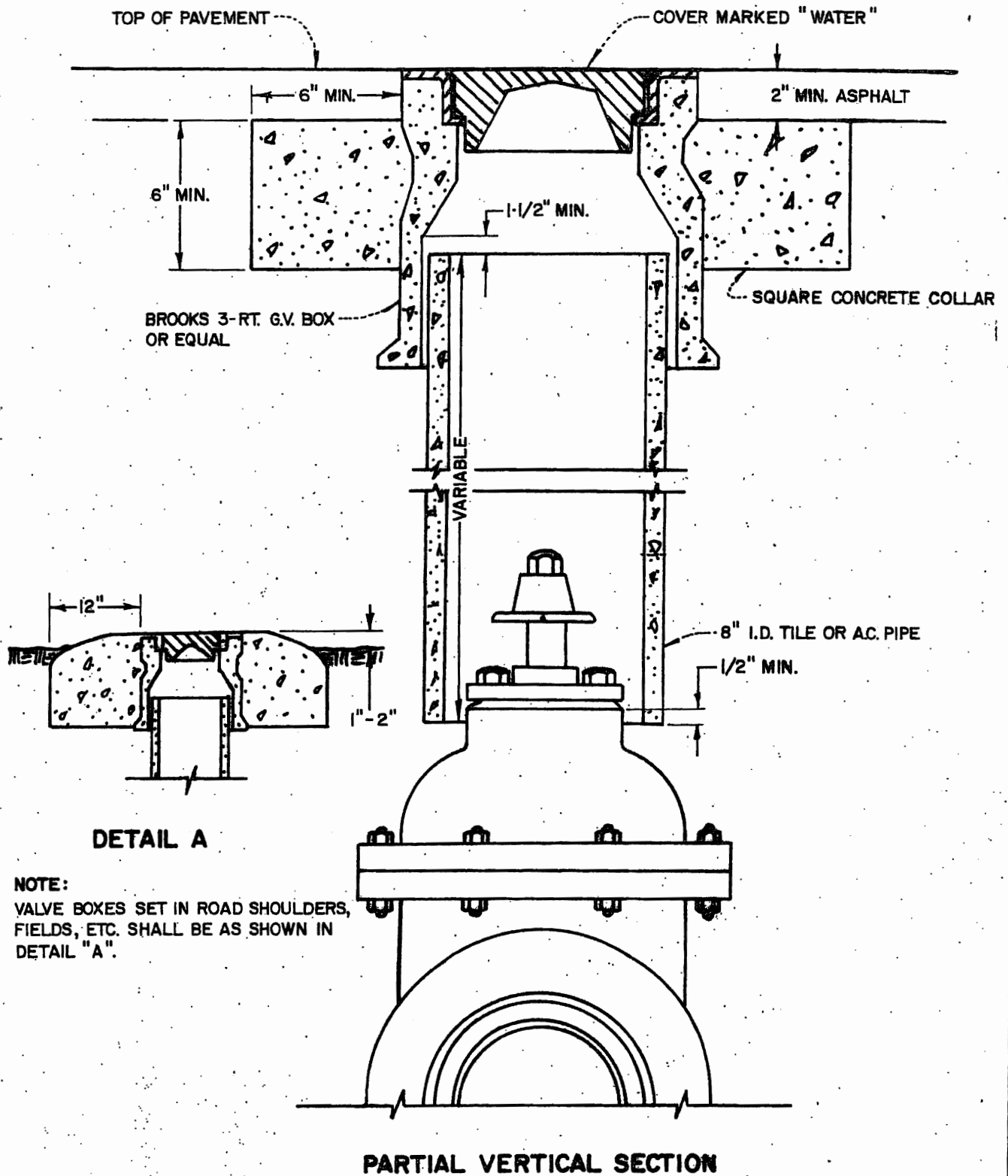
NOTES:

1. ALL GATE VALVE THRUST BLOCKS TO BE SIZED FOR DIFFERENTIAL PRESSURE OF 150 p.s.i.
2. VALVES ON TEMPORARY DEAD ENDS TO BE BLOCKED FOR FUTURE EXTENSION WITH DIFFERENTIAL PRESSURE ON VALVE.
3. TIE RODS (COATED WITH MORTAR OR BITUMASTIC MATERIAL) REQUIRED ON ALL VALVES OVER 12" AND ALL VALVES AT DEAD ENDS.

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GATE VALVE

MARK	DATE	REVISION	Engineering Standard	WA-3
			Approved <i>[Signature]</i>	
			Date 9/14/79	

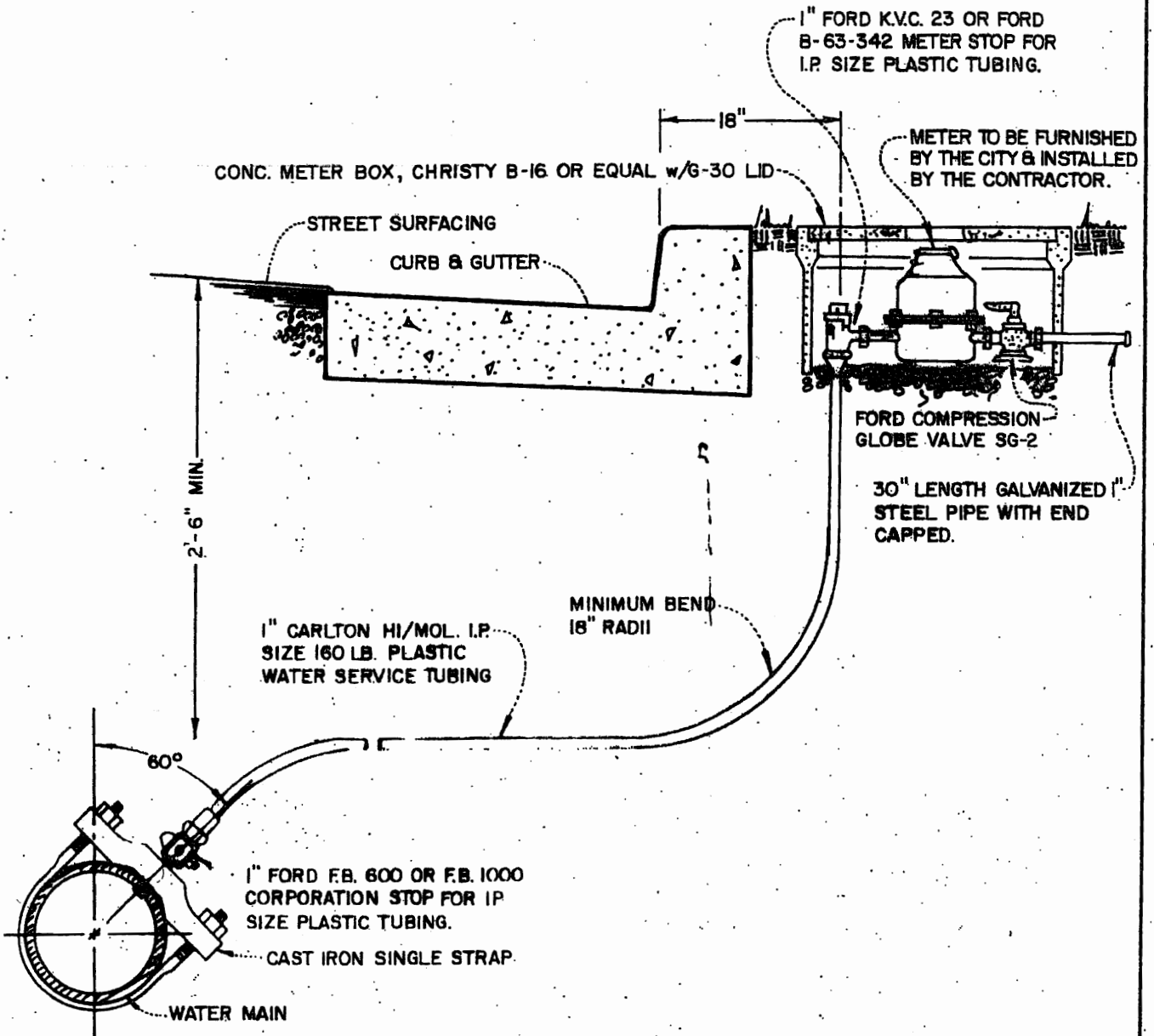


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DEPARTMENT OF PUBLIC WORKS

VALVE ACCESS BOX

MARK	DATE	REVISION	Engineering Standard
			Approved <i>[Signature]</i>
			Date <i>July 9, 1979</i>

WA-4

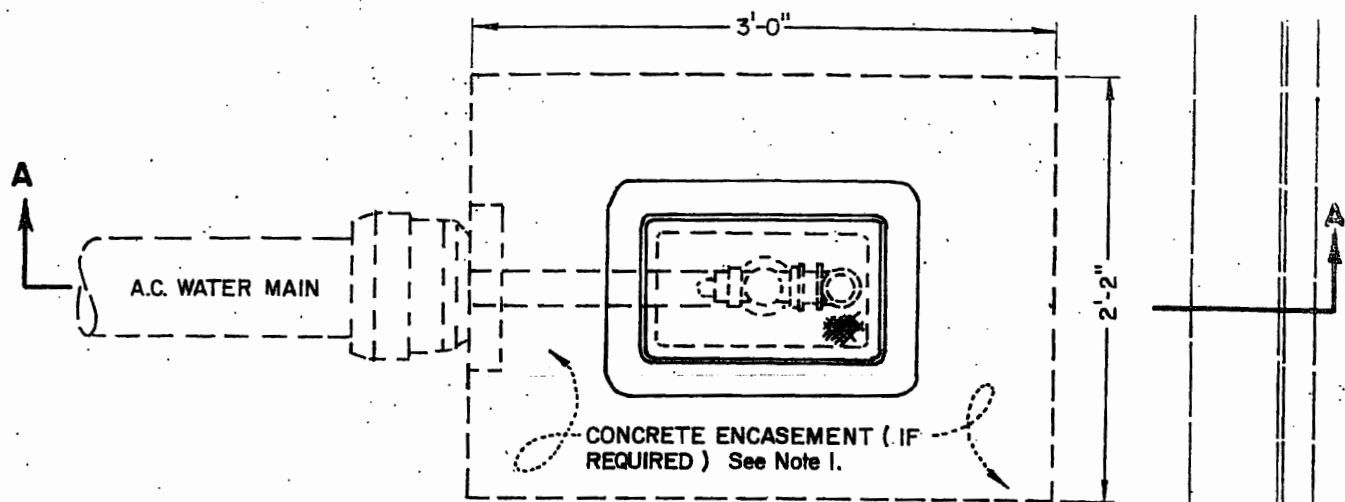


INSTALLATION DETAILS OF LARGER SERVICES TO BE DETERMINED BY ENGINEER.

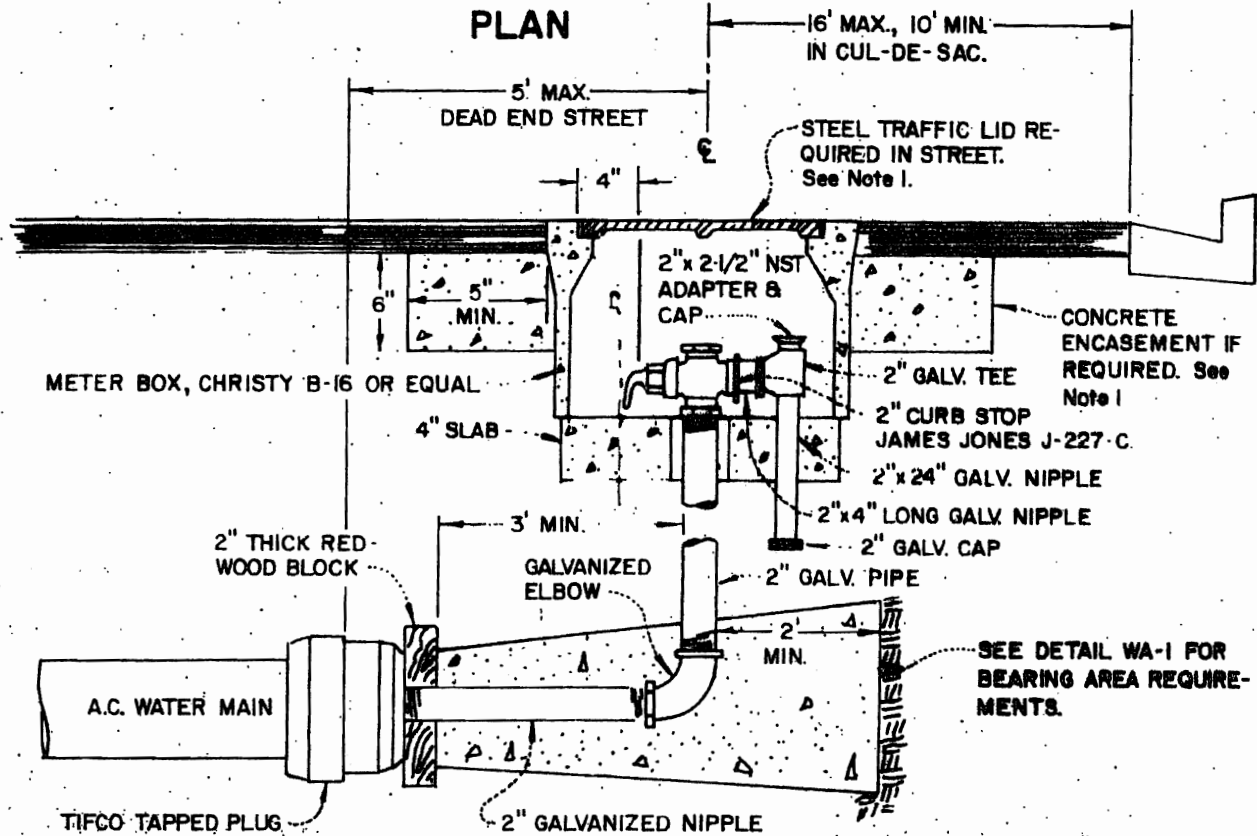
CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

1" WATER SERVICE

MARK	DATE	REVISION	Engineering Standard	WA-5
			Approved <i>[Signature]</i>	
			Date 9/14/79	



PLAN



SECTION A-A

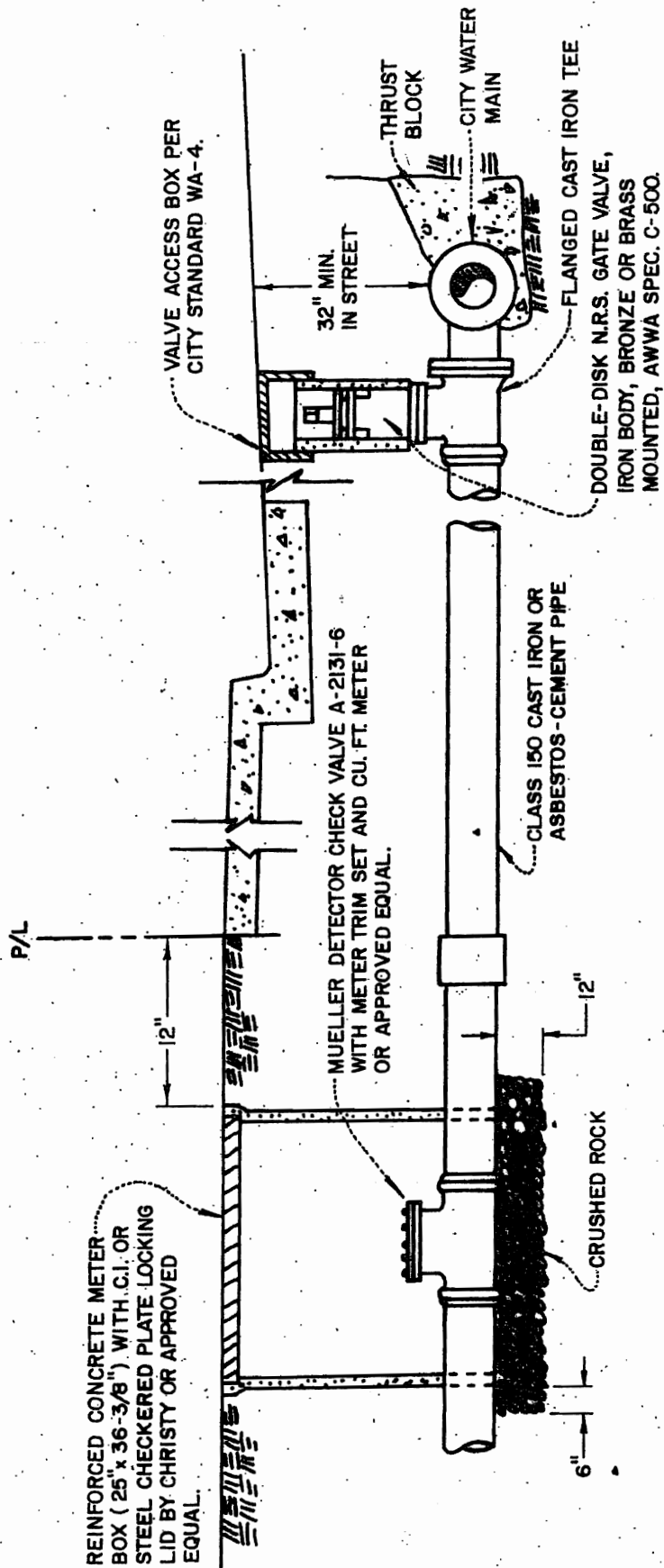
NOTES:

1. CONCRETE ENCASEMENT AND STEEL TRAFFIC LIDS REQUIRED FOR ALL PERMANENT INSTALLATIONS SUBJECT TO TRAFFIC.
2. CURB STOP KEY SHALL BE ALIGNED TO SIDE AS SHOWN.
3. ALL PIPE ENCASED IN CONCRETE TO BE PAINTED WITH RUST RESISTANT PAINT AND WRAPPED WITH PLASTIC TAPE.

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BLOW OFF

MARK	DATE	REVISION	Engineering Standard
			Approved: <i>[Signature]</i>
			Date: 9/14/79
			WA-6



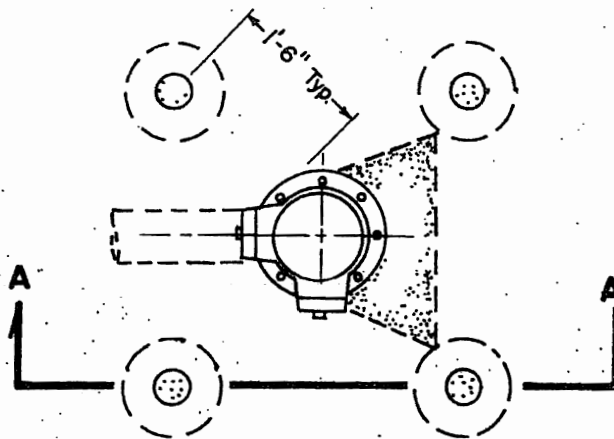
CITY OF *Lindsay*
 DEPARTMENT OF PUBLIC WORKS

FIRE SERVICE

MARK	DATE	REVISION

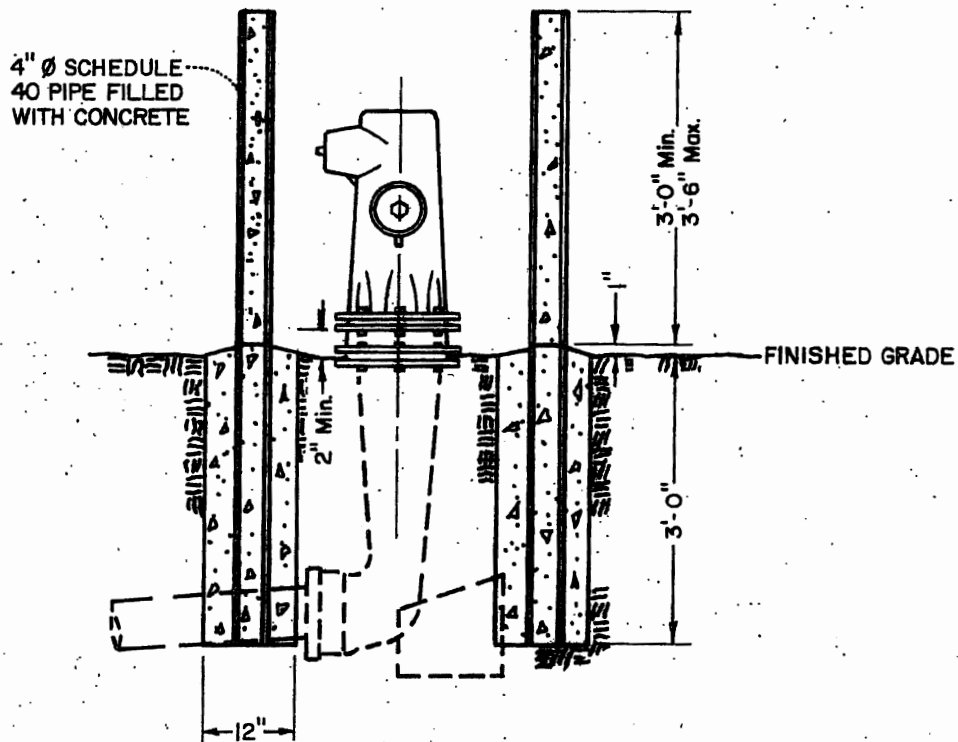
Engineering Standard
 Approved *[Signature]*
 Date 9/14/79

WA-7



PLAN

NOTE :
 THE INSTALLATION OF TWO TRAFFIC SIDE POSTS AT A FIRE HYDRANT SHALL CONSTITUTE ONE FIRE HYDRANT ASSEMBLY. ADDITIONAL POSTS MAY BE REQUIRED AT THE DIRECTION OF THE ENGINEER AND WOULD BE PLACED AS SHOWN



SECTION A-A

CITY OF *Lindsay*
 DEPARTMENT OF PUBLIC WORKS

FIRE HYDRANT PROTECTION ASSEMBLY

MARK	DATE	REVISION

Engineering Standard

Approved: *[Signature]*

Date: *9/19/79*

WA-8