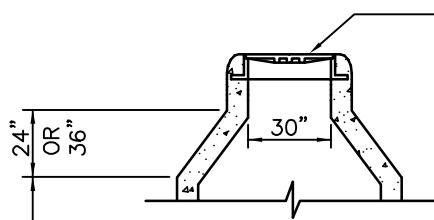
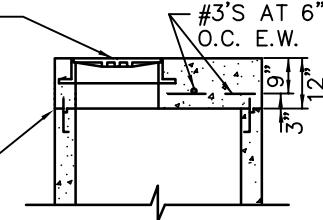


CONCRETE CONE \leftrightarrow ROOF OPTIONS \leftrightarrow REINFORCED CONCRETE SLAB

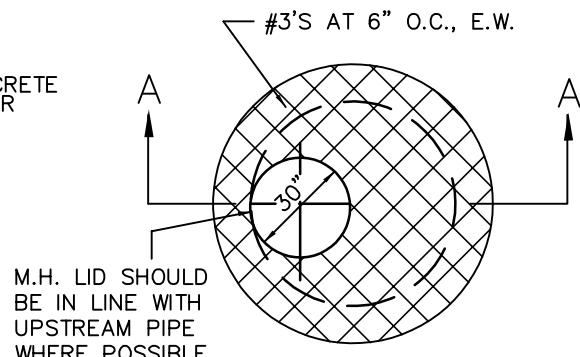
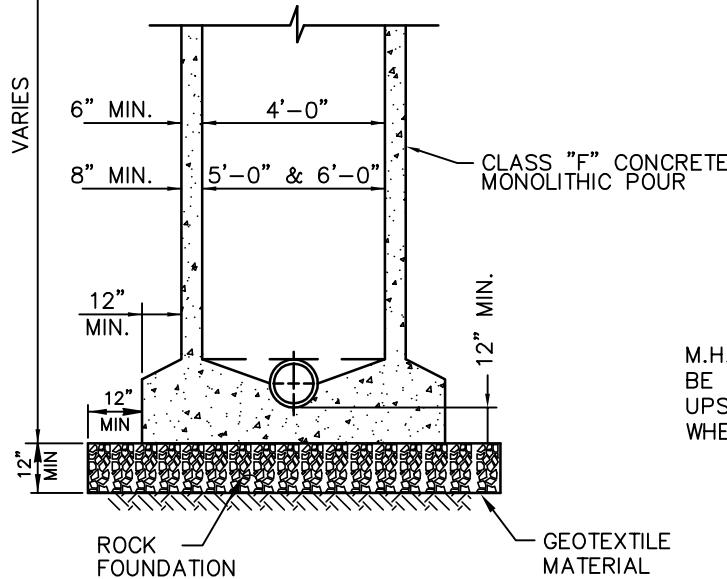


PRESSURE-TYPE M.H.
FRAME & COVER AS SPECIFIED BY OWNER
M.H. FRAME CAST IRON ROOF
W/CONTINUOUS POUR FROM BASE
BASS & HAYS
BH-VRM-30

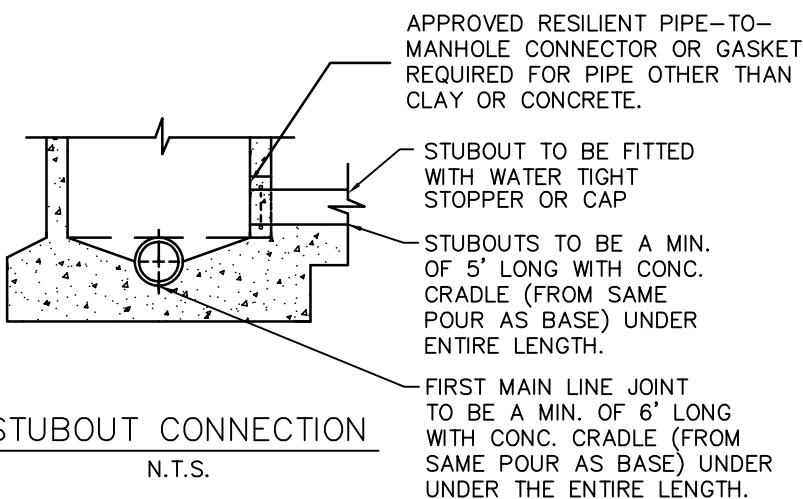
CONSTRUCTION JOINT WITH
KEY WAY WATERSTOP, AND
#3'S AT 12" O.C. EXTENDING
9" INTO WALL (NOT REQ'D
FOR CONTINUOUS POUR)



SECTION A - A
N.T.S.

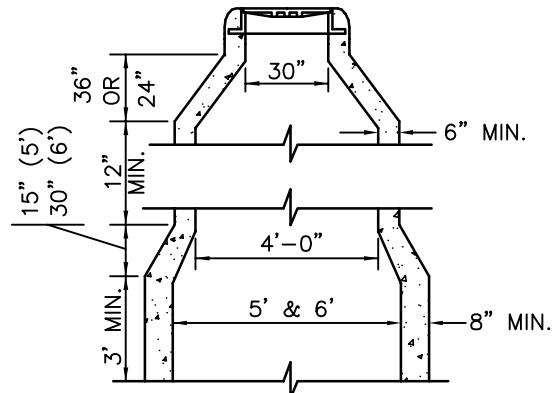


ROOF STEEL LAYOUT
N.T.S.

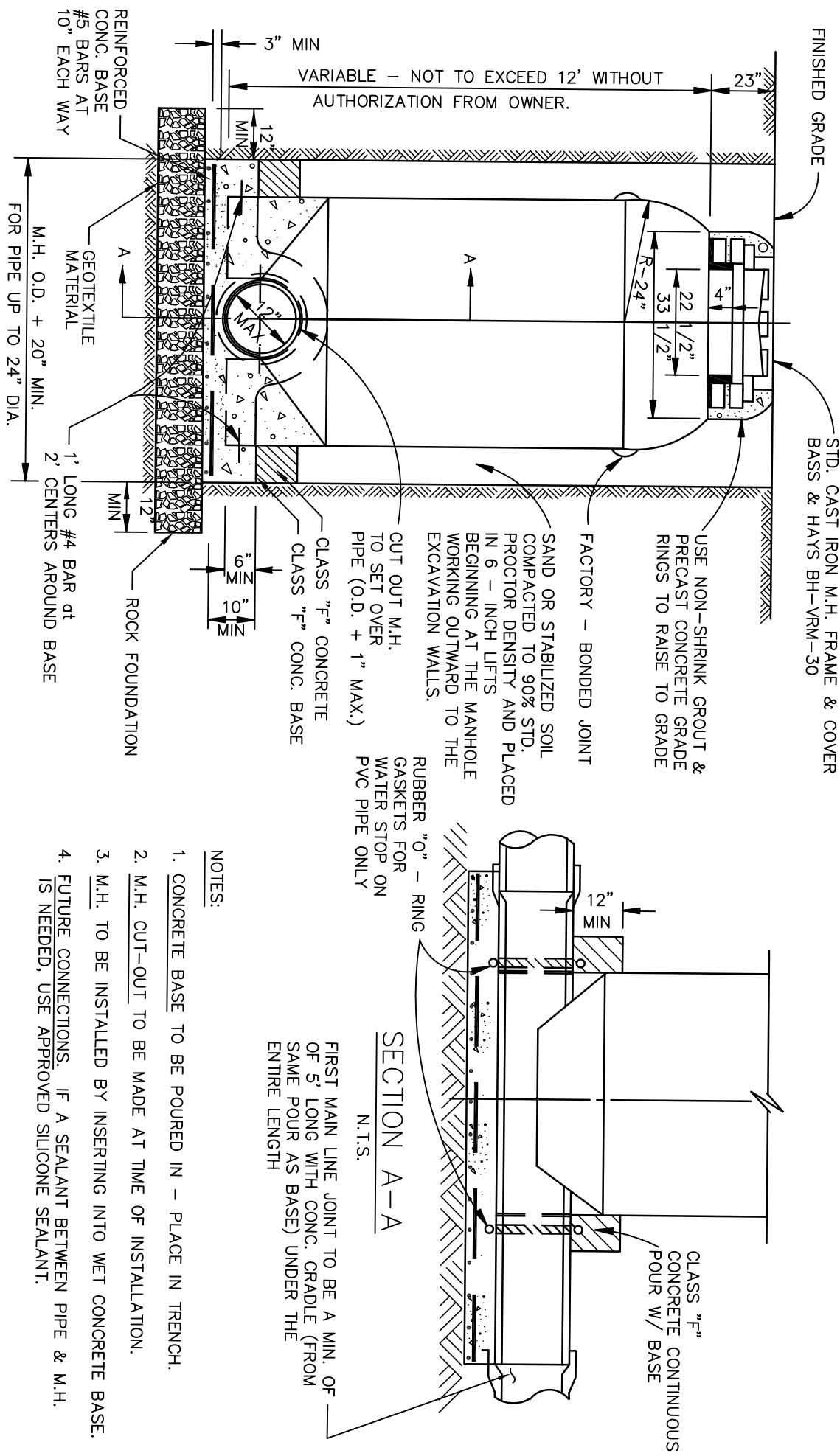


STUBOUT CONNECTION
N.T.S.

STUBOUT TO BE FITTED
WITH WATER TIGHT
STOPPER OR CAP
STUBOUTS TO BE A MIN.
OF 5' LONG WITH CONC.
CRADLE (FROM SAME
POUR AS BASE) UNDER
ENTIRE LENGTH.
FIRST MAIN LINE JOINT
TO BE A MIN. OF 6' LONG
WITH CONC. CRADLE (FROM
SAME POUR AS BASE) UNDER
UNDER THE ENTIRE LENGTH.



TRANSITION DETAIL FOR
5' & 6' DIA. M.H.'S
N.T.S.



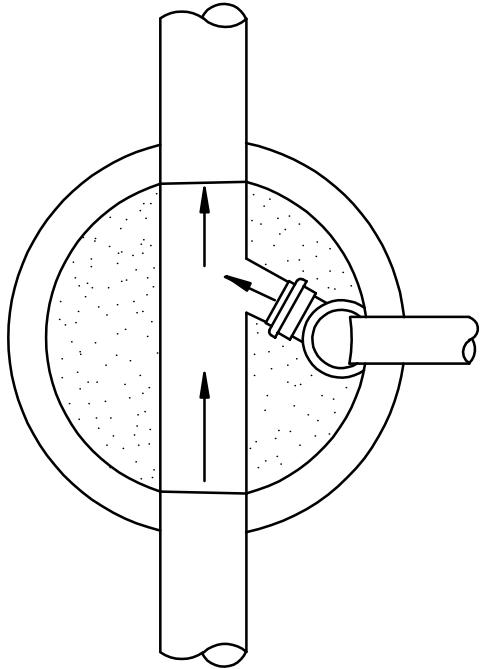
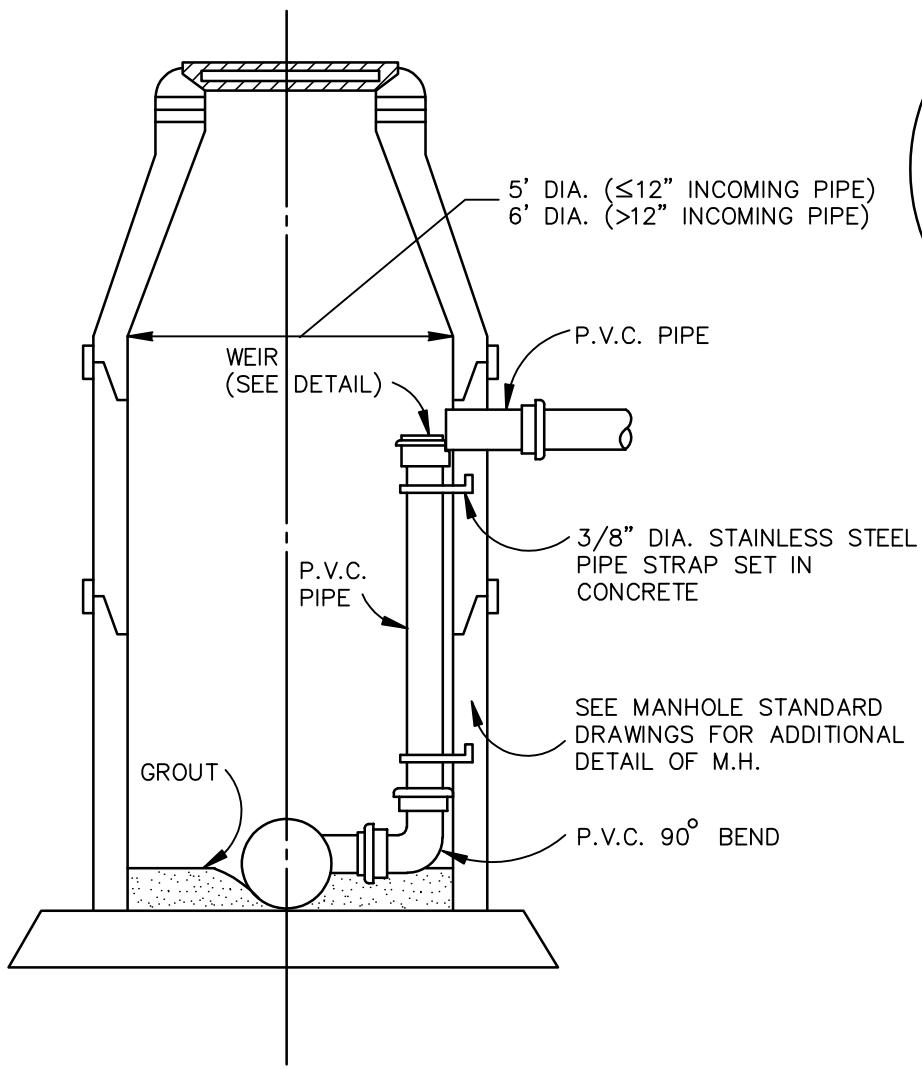
FEBRUARY 2021



TOWN OF WESTLAKE

WASTEWATER MANHOLE

INSIDE DROP CONNECTION

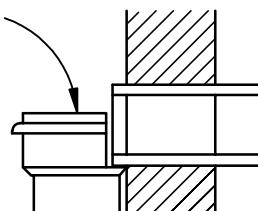


PLAN
N.T.S.

ELEVATION

N.T.S.

REMOVE PORTION OF DROP PIPE TO CONNECT AS SHOWN

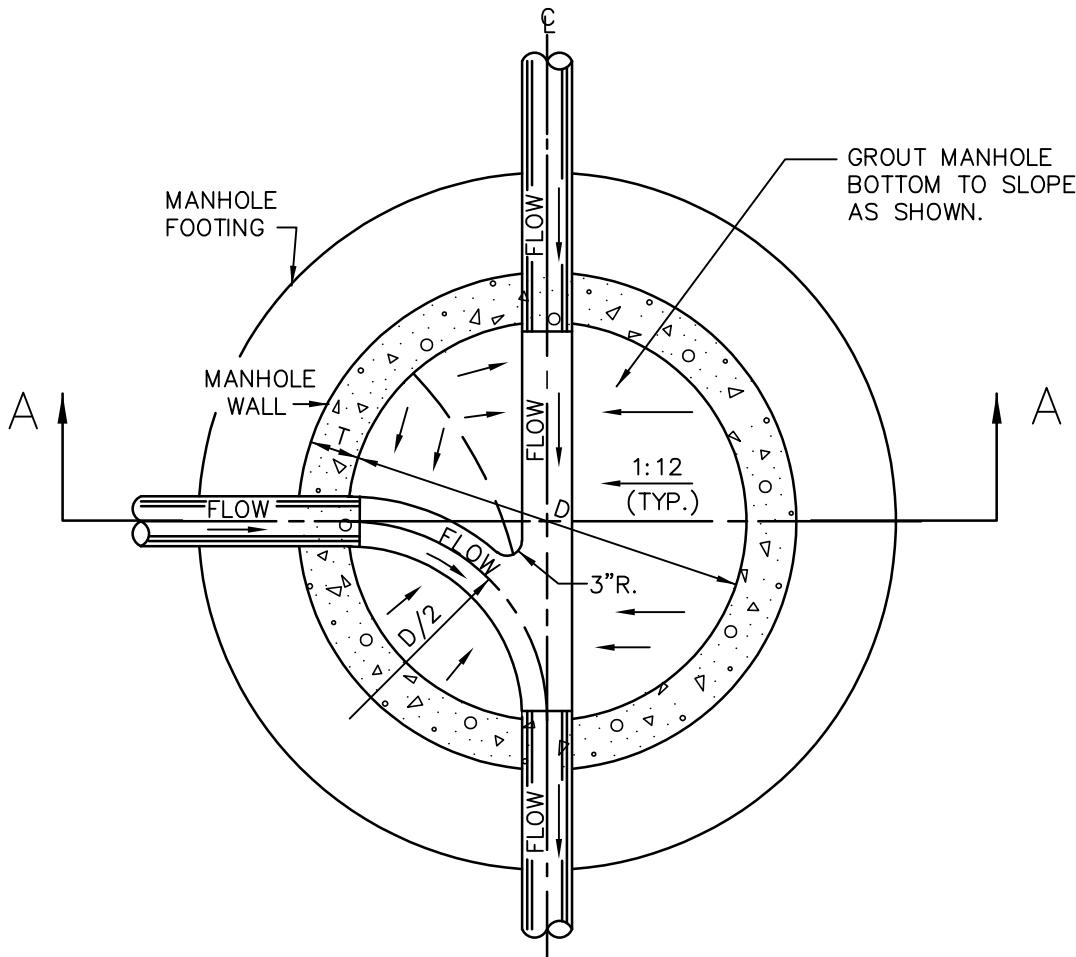


NOTE:

FLOW LINE OF SURCHARGE LINE
NORMALLY PLACED AT TOP OF
EXISTING WASTEWATER LINE
UNLESS NOTED OTHERWISE ON
PLANS.

WEIR DETAIL

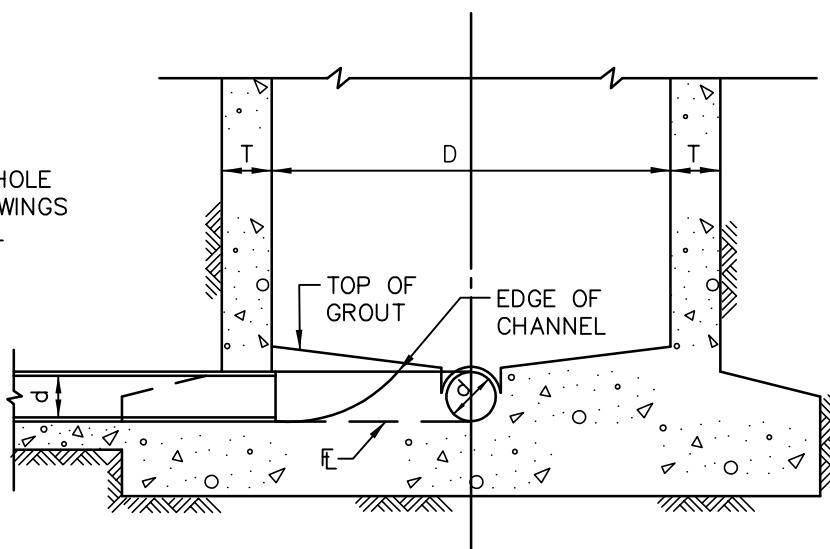
N.T.S.



PLAN
N.T.S.

T = WALL THICKNESS
D = MANHOLE DIAMETER
d = PIPE DIAMETER

NOTE:
REFER TO MANHOLE
STANDARD DRAWINGS
FOR ADDITIONAL
DETAIL OF M.H.



SECTION A-A
N.T.S.

FEBRUARY 2021

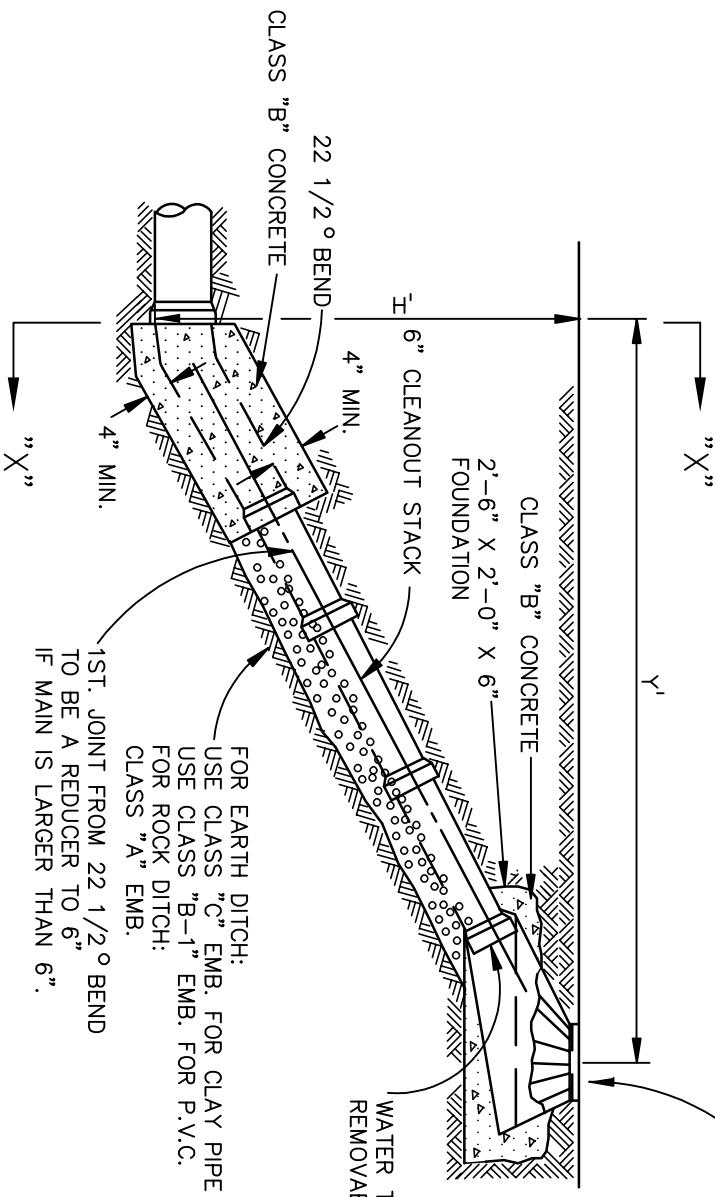


TOWN OF WESTLAKE
1500 SOLANA BOULEVARD
BLDG. 7, SUITE 7200
WESTLAKE, TEXAS 76262

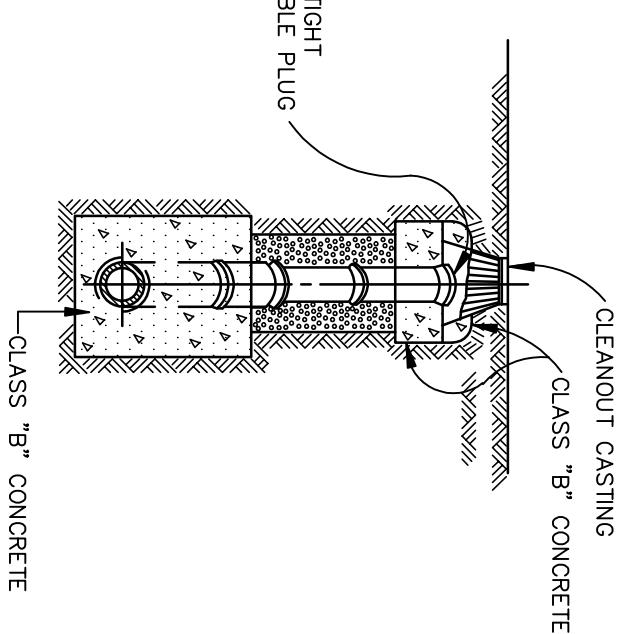
WASTEWATER
MANHOLE LINE
INTERSECTION
WWC-04

H'	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	H'
Y'	10	12	14	17	19	22	24	27	29	31	34	36	39	41	43	46	48	Y'

CLEANOUT CASTING OPENING TO BE INSTALLED (BASS AND HAYS BH339) CENTERED OVER THE CENTERLINE OF THE CLEANOUT STACK EXTENDED TO GROUND LEVEL.



PROFILE VIEW
N.T.S.



SECTION "X - X"
N.T.S.

NOTE:

1. IF CLEANOUT IS PLACED IN ADVANCE OF PAVEMENT PLACE SAND AROUND CLEANOUT CASTING IN LIEU OF CLASS "B" CONCRETE.
2. IF CLEANOUT IS OUTSIDE OF PAVEMENT, CENTER CASTING IN 15"X15" CLASS "A" CONCRETE PAD 4" THICK.

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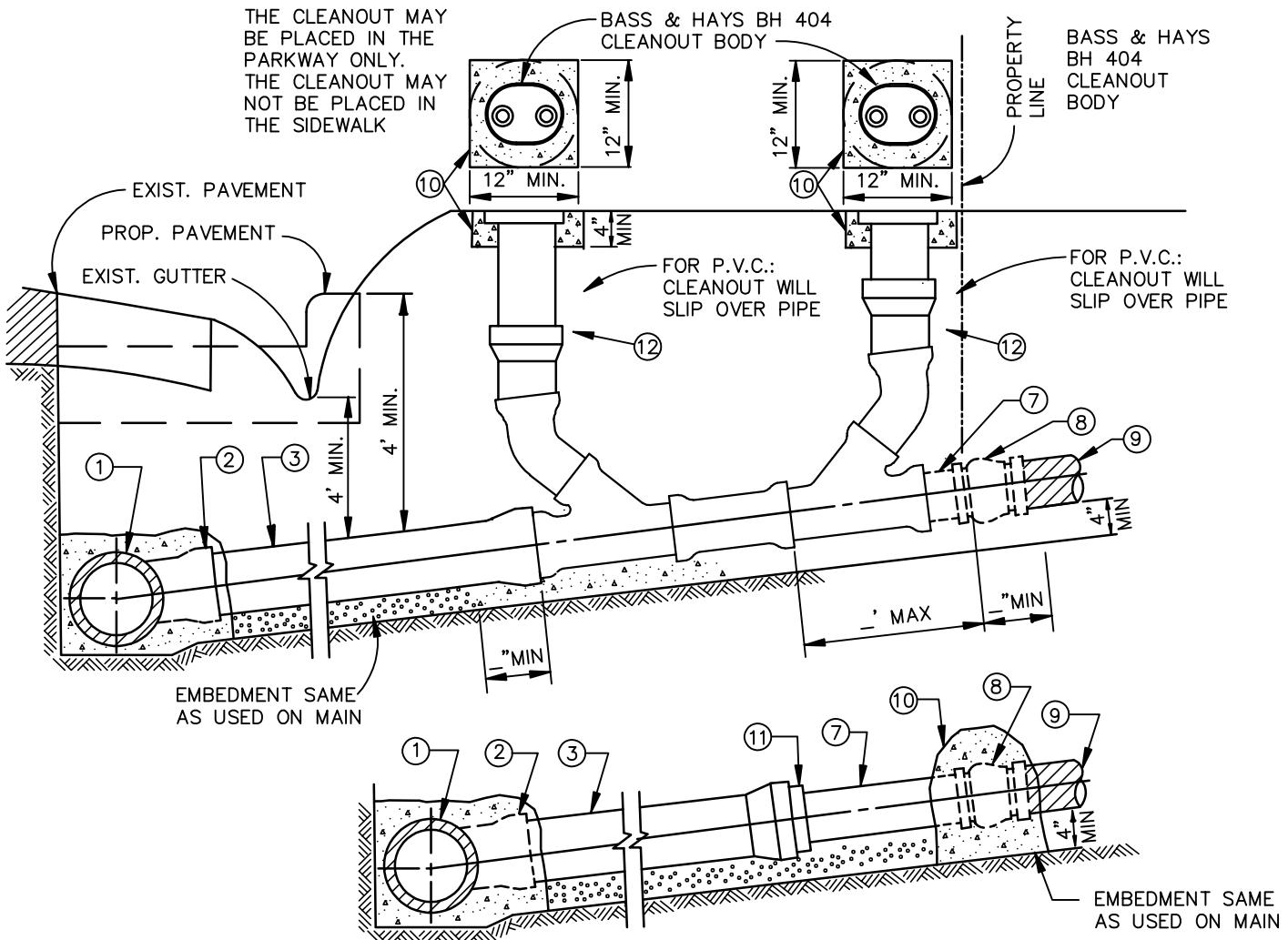


TOWN OF WESTLAKE
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WASTEWATER
MAIN
CLEANOUT
WWC-05

KEY:

①. WASTERWATER MAIN	⑦. 4" WASTEWATER PIPE (LENGTH VARIES)
②. 4" WYE	⑧. ADAPTOR
③. 4" WASTEWATER LAT. (LENGTH VARIES)	⑨. BUILDING SEWER LAT.
④. 4" X 4" TEE OR WYE AS REQ'D. BY OWNER.	⑩. CLASS "B" CONCRETE
⑤. 4" STACK (LENGTH VARIES)	⑪. 6" X 4" REDUCER
⑥. 4" WASTEWATER LAT. CLEANOUT CASTING	⑫. COMPAKTED AS SPECIFIED, OR INUNDATED SAND



NOTES:

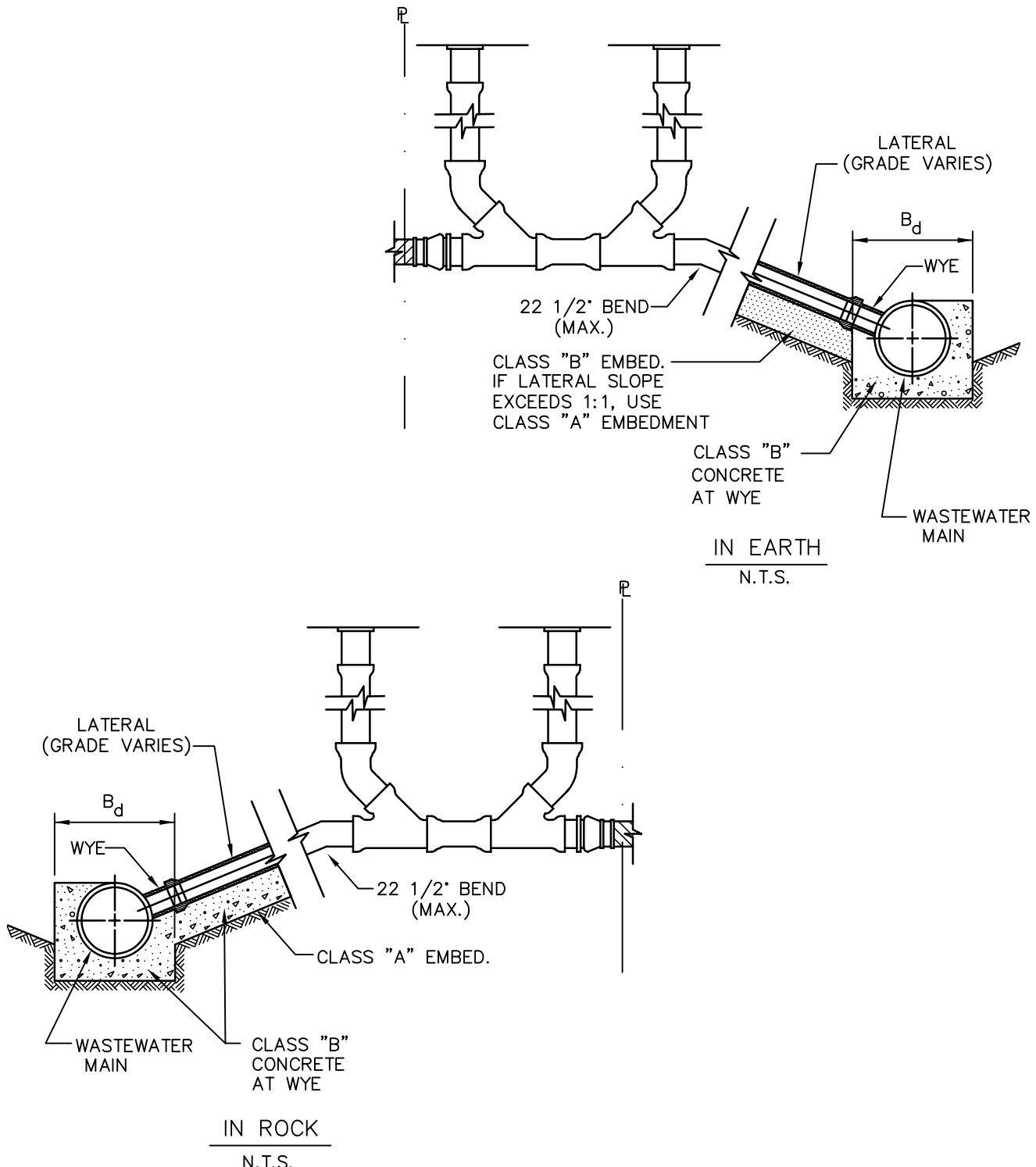
1. CLEANOUT CASTING TO BE FURNISHED AND PLACED PER SPECIAL CONDITIONS. IN VEHICLE TRAFFIC AREAS AND FOR COMMERCIAL MAINLINE LATERALS, WASTEWATER CLEANOUT SHALL BE OF CAST IRON.
2. SLOPE OF LATERAL TO BE 2% MIN., UNLESS INSTRUCTED OTHERWISE BY OWNER.
3. THE WASTEWATER LATERAL SHALL BE CONNECTED TO BUILDING LATERAL AND CONSTRUCTED IN SUCH MANNER AS TO CLEAR EXISTING UTILITES AND PROPOSED FACILITIES SUCH AS STORM SEWER MAINS, PAVING, SIDEWALKS, RETAINING WALLS, ETC. VERTICAL BENDS (22.5° MAX.) MAY BE USED IF APPROVED BY OWNER.
4. THE MAINLINE LATERAL CONNECTION TO THE PRIVATE BUILDING LATERAL SHALL BE AS CLOSE TO THE PROPERTY LINE AS POSSIBLE.
5. INSTALL 4" STOPPER OR CAP AT PROPERTY LINE IF BUILDING LATERAL DOES NOT EXIST. 6. SUBSTITUTE 4" FOR 6" FITTINGS IF PLANS OR SPEC. COND. CALL FOR 4" LATERALS.
7. THE CLEANOUT STACK & CASTING MAY BE PLACED IN THE PARKWAY, VEHICLE TRAFFIC AREAS, OR SIDEWALK, IF NECESSARY. 6. FOR 6" SRVICES OR LARGER, INSTALL A MANHOLE.

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1500 SOLANA BOULEVARD
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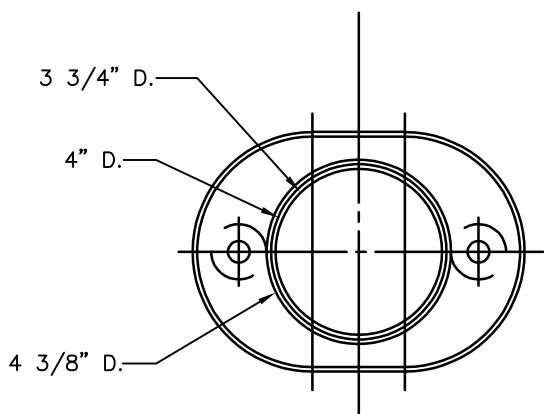
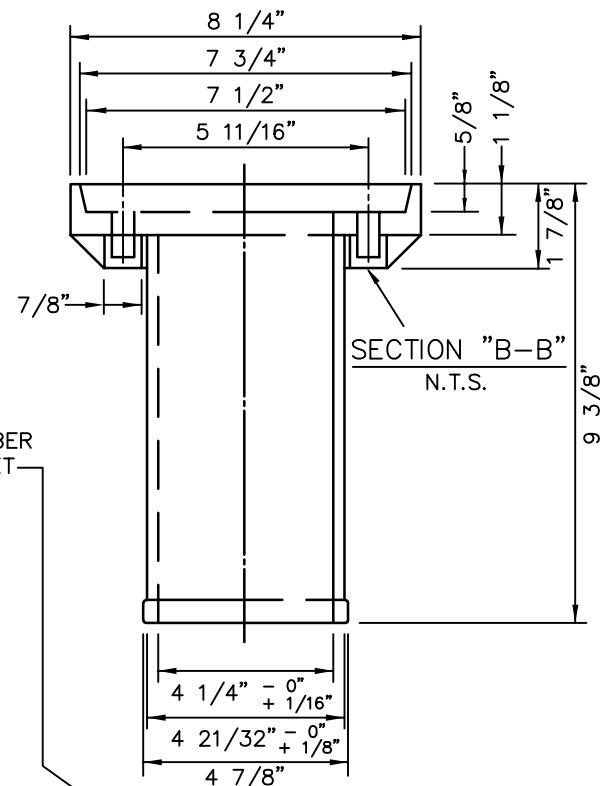
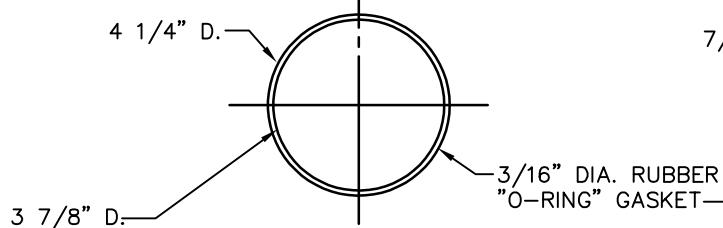
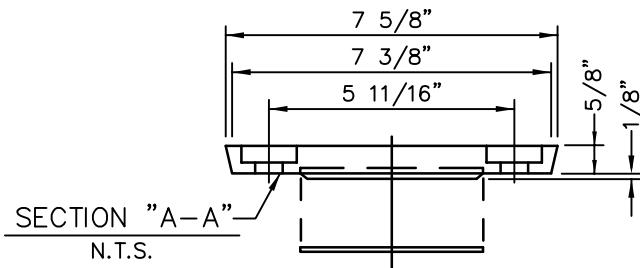
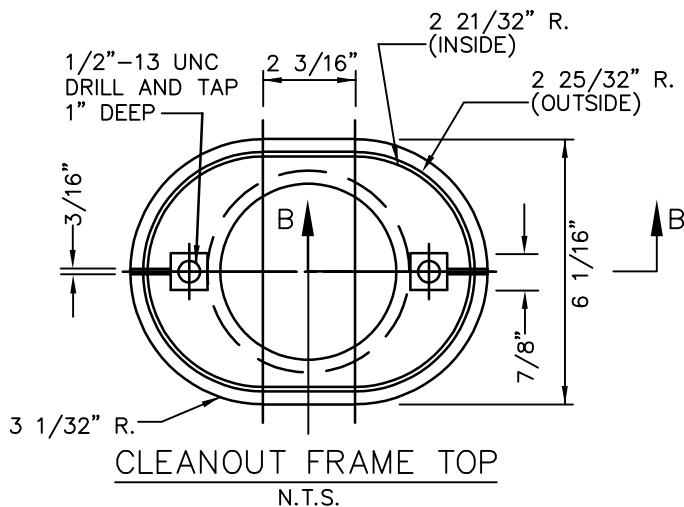
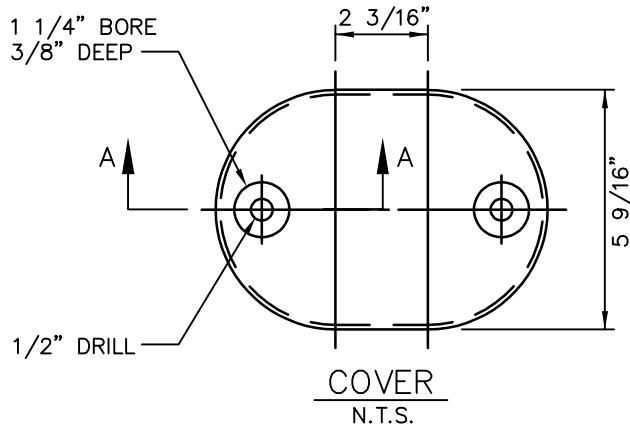
WASTEWATER LATERALS WWC-06



FEBRUARY 2021

TOWN OF WESTLAKE
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WESTLAKE, TEXAS 76262

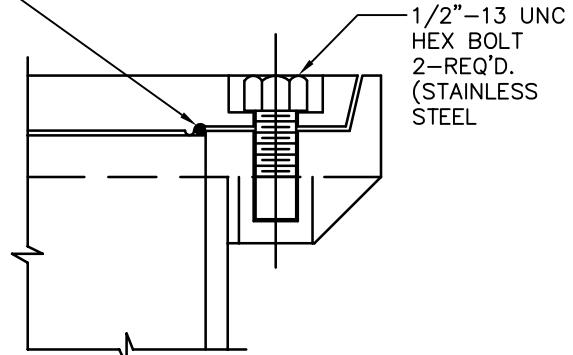
WASTEWATER
LATERAL
CONNECTIONS
WWC-07



CLEANOUT FRAME BOTTOM
N.T.S.

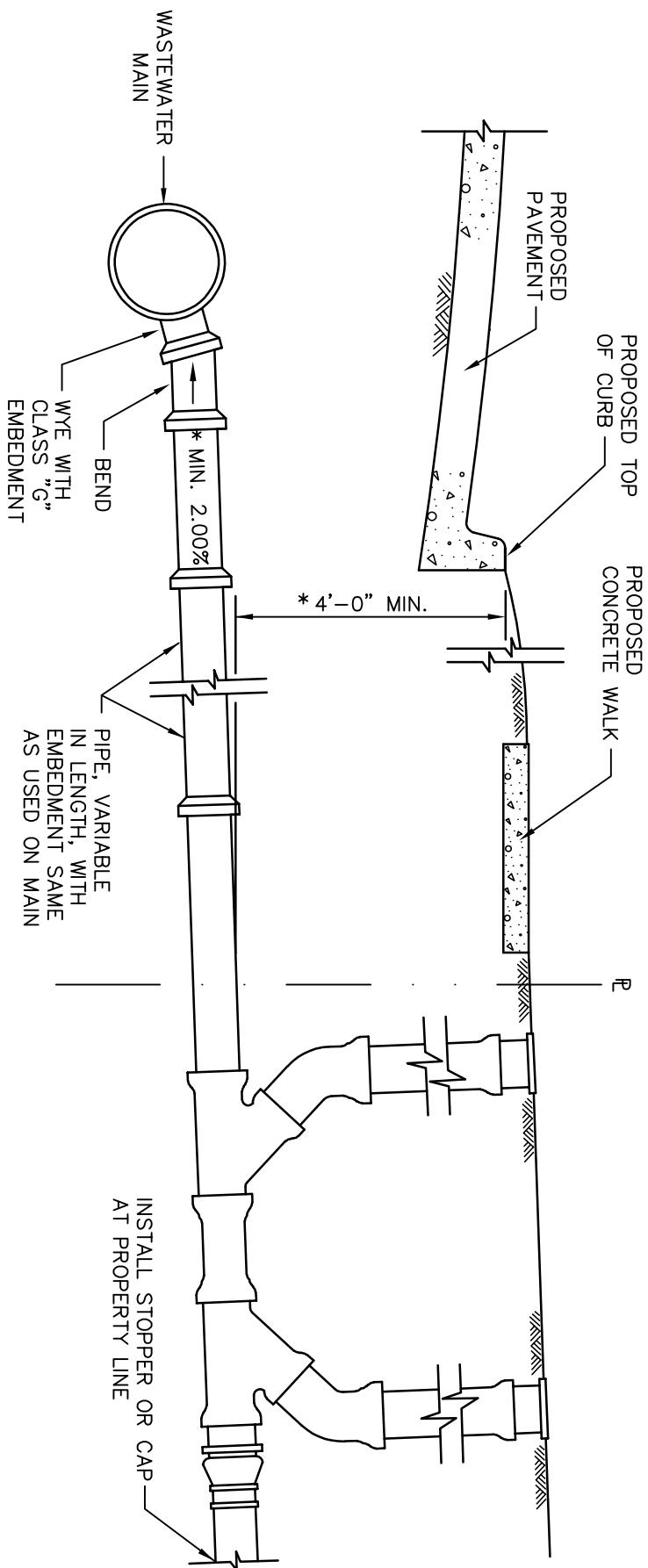
NOTES:

1. THE WORDS "WASTEWATER LATERAL CLEANOUT" SHALL BE CAST INTO TOP OF COVER.
2. MATERIALS TO BE CAST IRON OR ABS PLASTIC.



ASSEMBLY VIEW
N.T.S.

* WASTEWATER LATERS ARE TO BE CONSTRUCTED TO CLEAR EXISTING AND PROPOSED FACILITIES, SUCH AS STORM SEWER MAINS, RETAINING WALLS, OTHER UTILITIES, ETC. THE WASTEWATER LATERAL SHALL HAVE A MINIMUM COVER OF 4'-0" BELOW THE PROPOSED CURB GRADE AT THE PROPERTY LINE, DETERMINED FROM PAVING GRADE, OR AS REQUIRED TO MAINTAIN A MINIMUM OF 2.00% GRADE, OR AS DIRECTED BY THE OWNER.



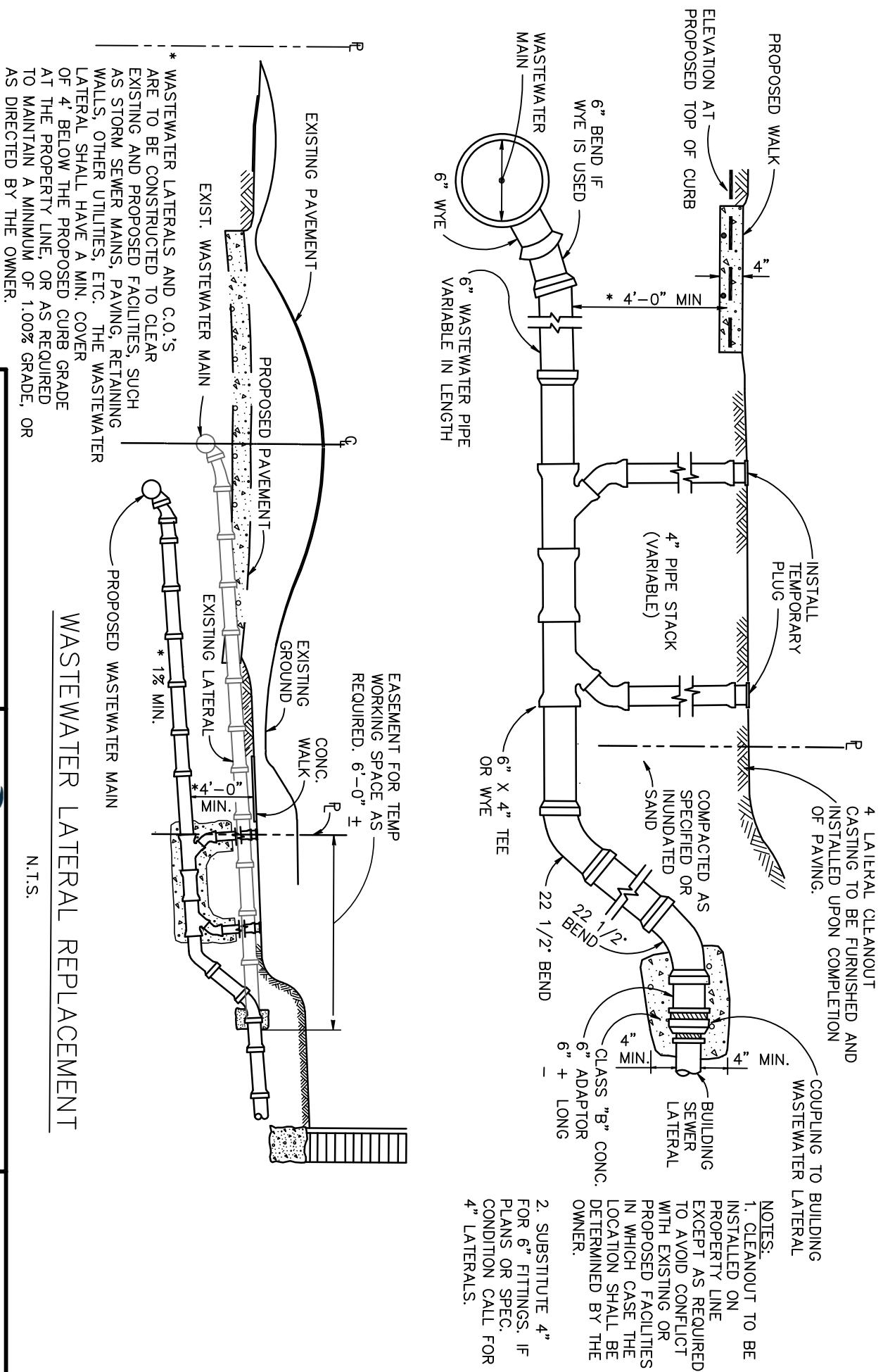
WASTEWATER LATERAL STUBOUT
(FOR FUTURE CONNECTION, 4" OR 6" AS SPECIFIED)
N.T.S.

THE TOWN OF
WESTLAKE

TOWN OF WESTLAKE
1500 SOLANA BOULEVARD
BLDG. 7, SUITE 7200
WESTLAKE, TEXAS 76262

WASTEWATER
LATERAL
STUBOUT
WWC-09

FEBRUARY 2021

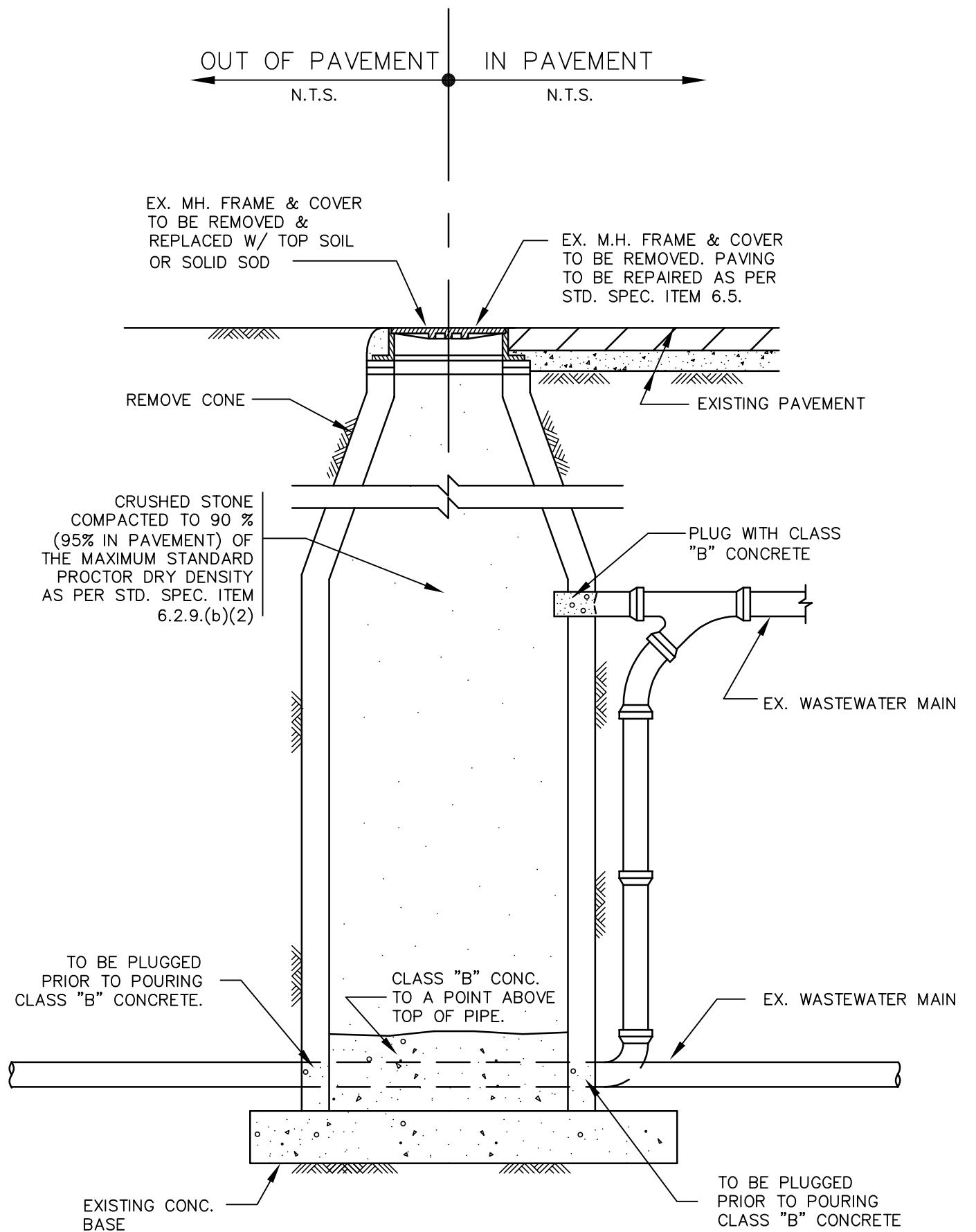


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TOWN OF WESTLAKE
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WASTEWATER
LATERAL
REPLACEMENT
WWC-10



FEBRUARY 2021



TOWN OF WESTLAKE
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WESTLAKE, TEXAS 76262

ABANDONMENT
OF MANHOLE
WWC-11