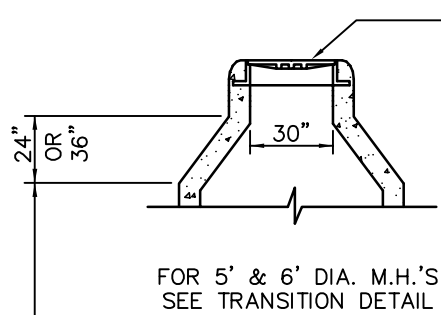
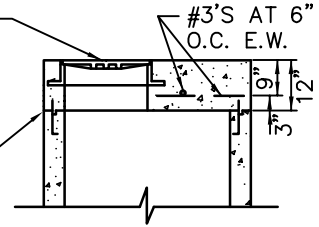


CONCRETE CONE ⇐ ROOF OPTIONS ⇐ REINFORCED CONCRETE SLAB

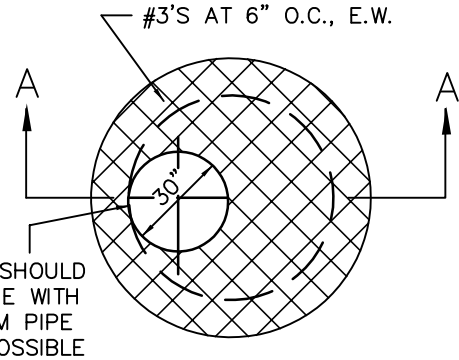
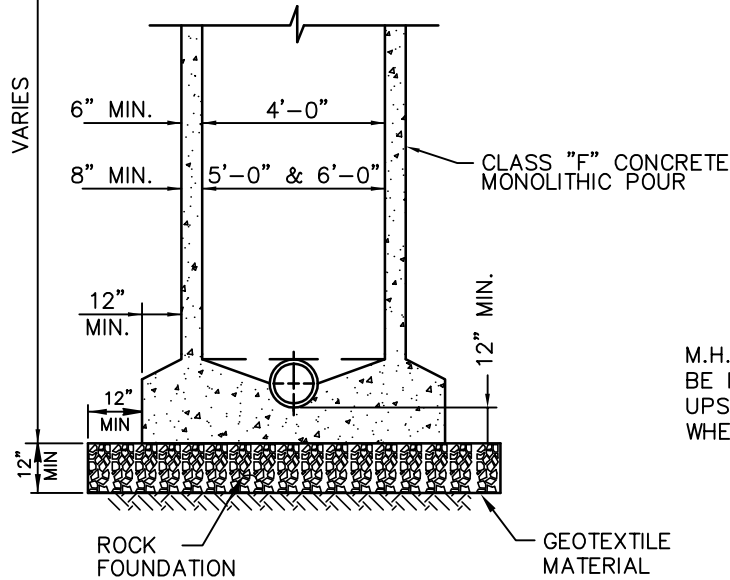


N.T.S.
PRESSURE-TYPE M.H.
FRAME & COVER AS SPECIFIED BY OWNER
M.H. FRAME CAST IRON ROOF
W/CONTINUOUS POUR FROM BASE
BASS & HAYS
BH-VRM-30

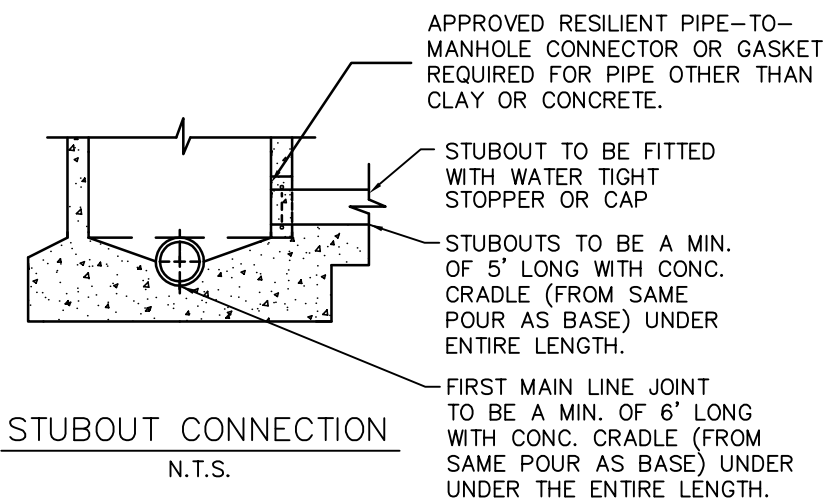
CONSTRUCTION JOINT WITH
KEY WAY WATERSTOP, AND
#3'S AT 12" O.C. EXTENDING
9" INTO WALL (NOT REQ'D
FOR CONTINUOUS POUR)



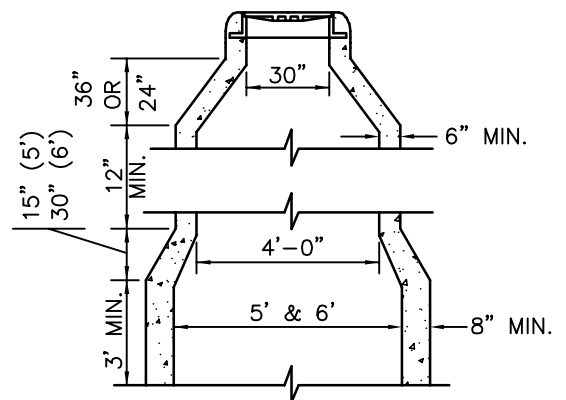
SECTION A - A
N.T.S.



ROOF STEEL LAYOUT
N.T.S.



STUBOUT CONNECTION
N.T.S.



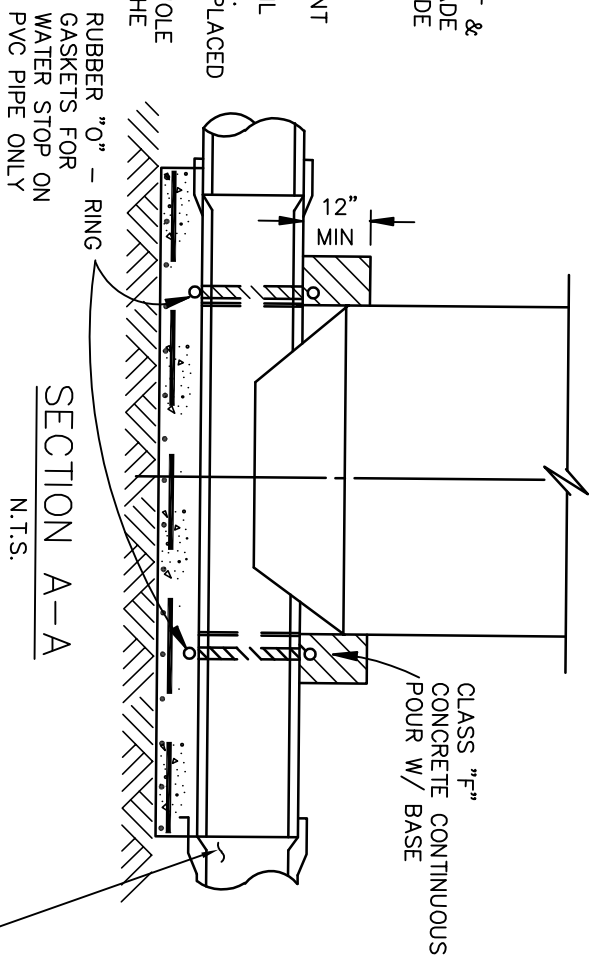
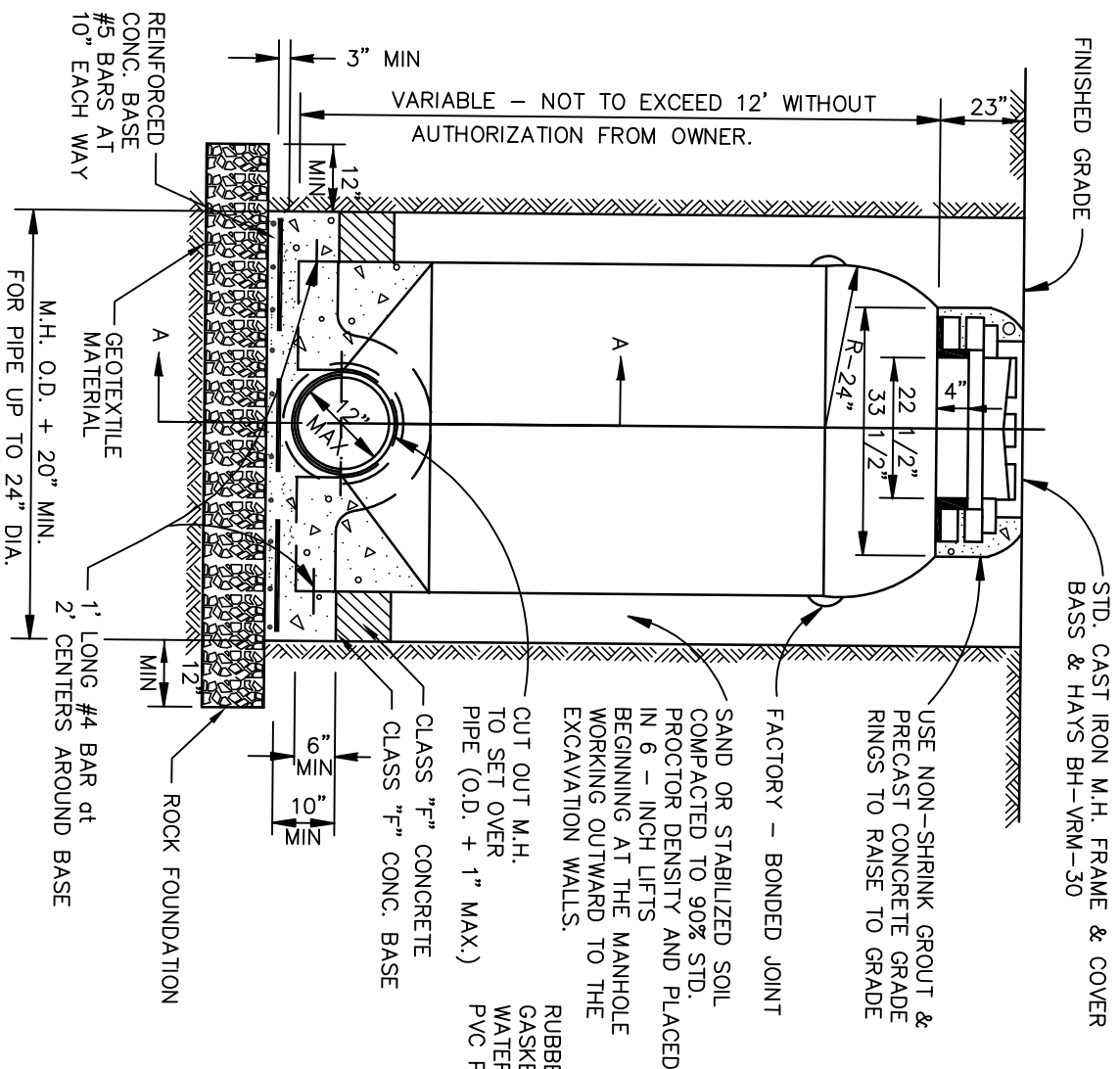
TRANSITION DETAIL FOR
5' & 6' DIA. M.H.'S
N.T.S.

FEBRUARY 2021



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

WASTEWATER
MANHOLE
WWC-01



NOTES:

1. CONCRETE BASE TO BE POURED IN - PLACE IN TRENCH.
2. M.H. CUT-OUT TO BE MADE AT TIME OF INSTALLATION.
3. M.H. TO BE INSTALLED BY INSERTING INTO WET CONCRETE BASE.
4. FUTURE CONNECTIONS. IF A SEALANT BETWEEN PIPE & M.H. IS NEEDED, USE APPROVED SILICONE SEALANT.

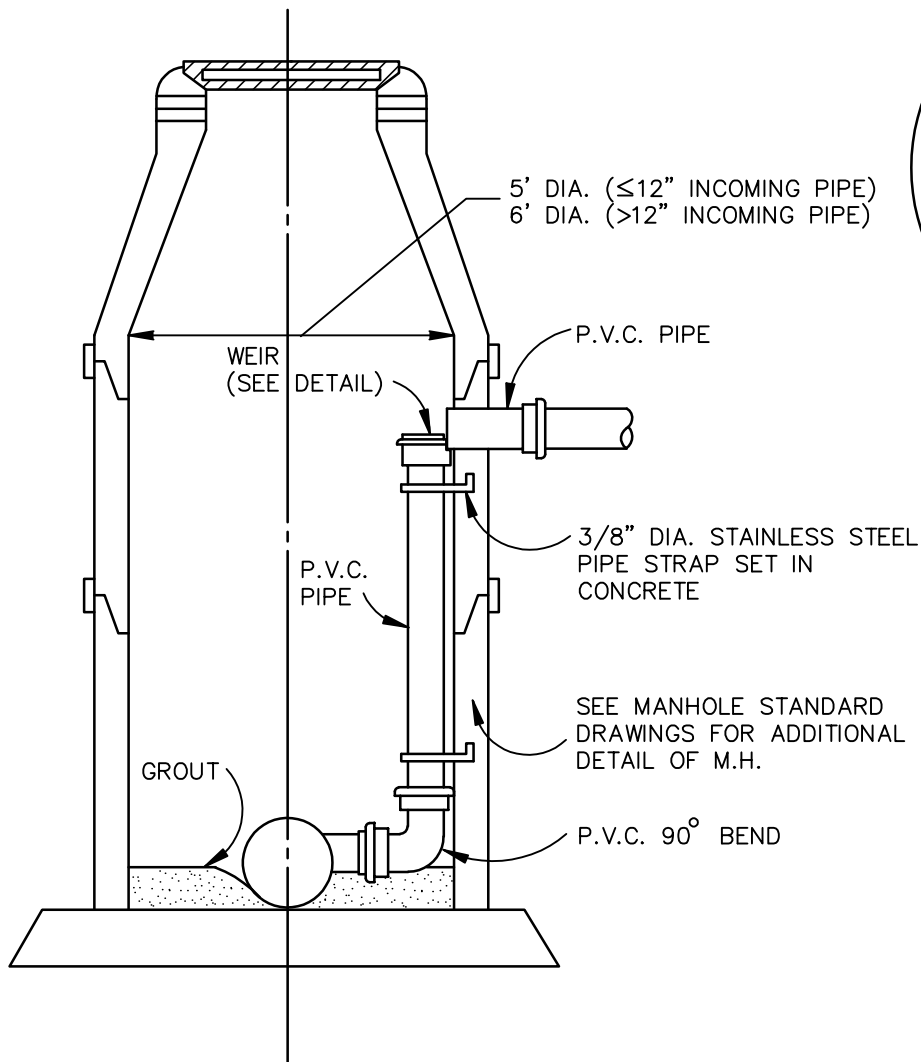
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1500 SOLANA BOULEVARD
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WESTLAKE, TEXAS 76262

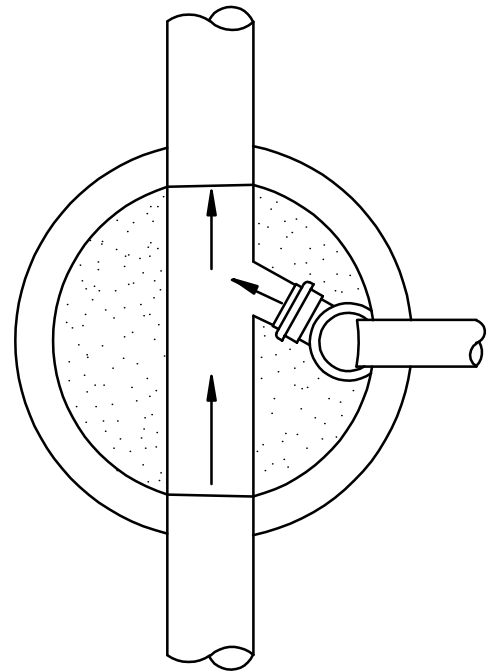
WASTEWATER
MANHOLE
FIBERGLASS
WWC-02

INSIDE DROP CONNECTION



ELEVATION

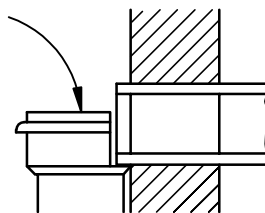
N.T.S.



PLAN

N.T.S.

REMOVE PORTION OF DROP
PIPE TO CONNECT AS SHOWN



WEIR DETAIL

N.T.S.

NOTE:

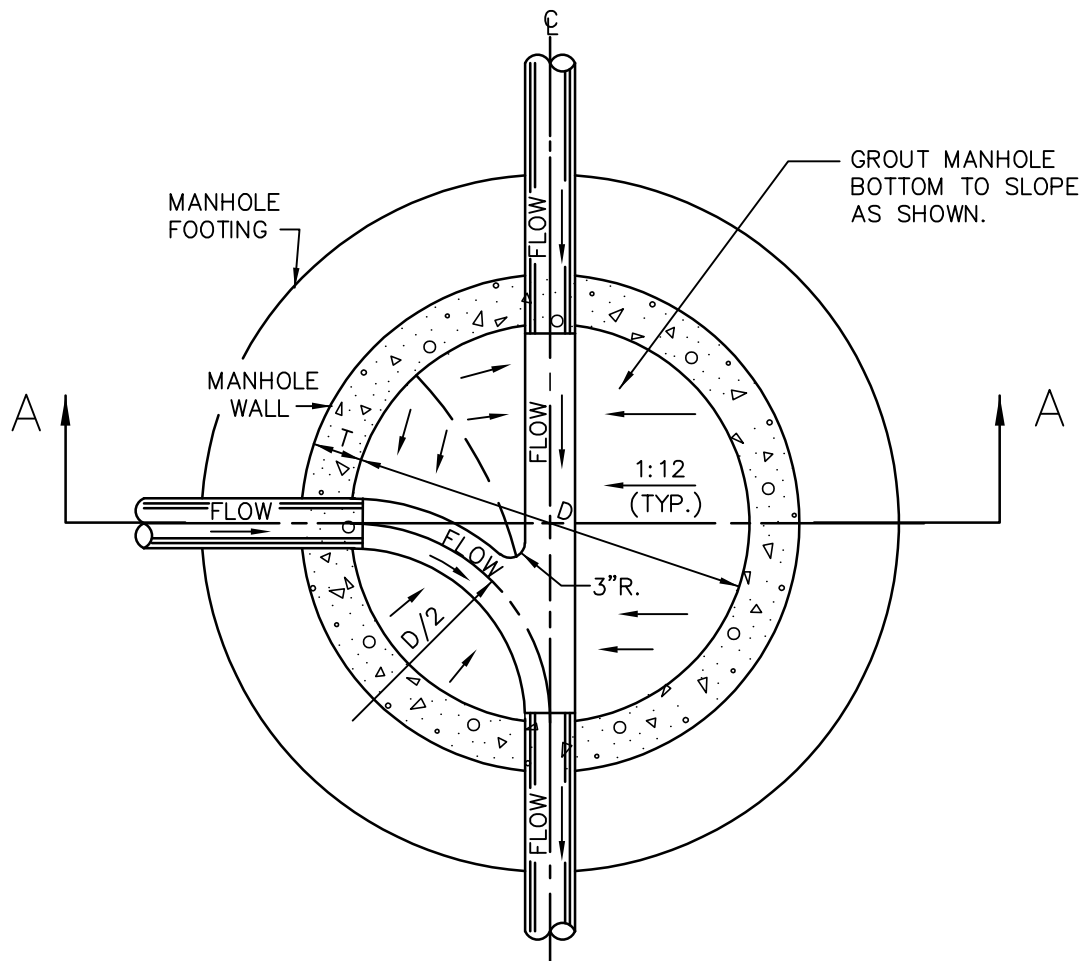
FLOW LINE OF SURCHARGE LINE
NORMALLY PLACED AT TOP OF
EXISTING WASTEWATER LINE
UNLESS NOTED OTHERWISE ON
PLANS.

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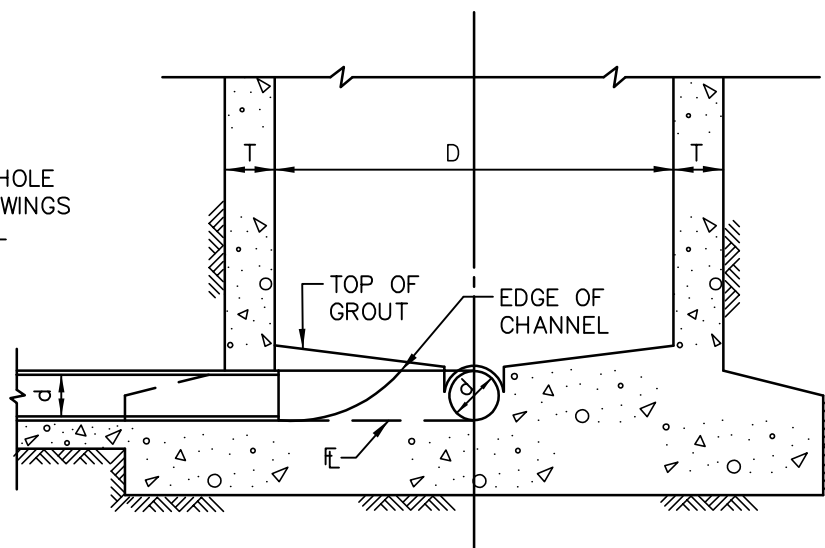
WASTEWATER
MANHOLE
WWC-03



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.

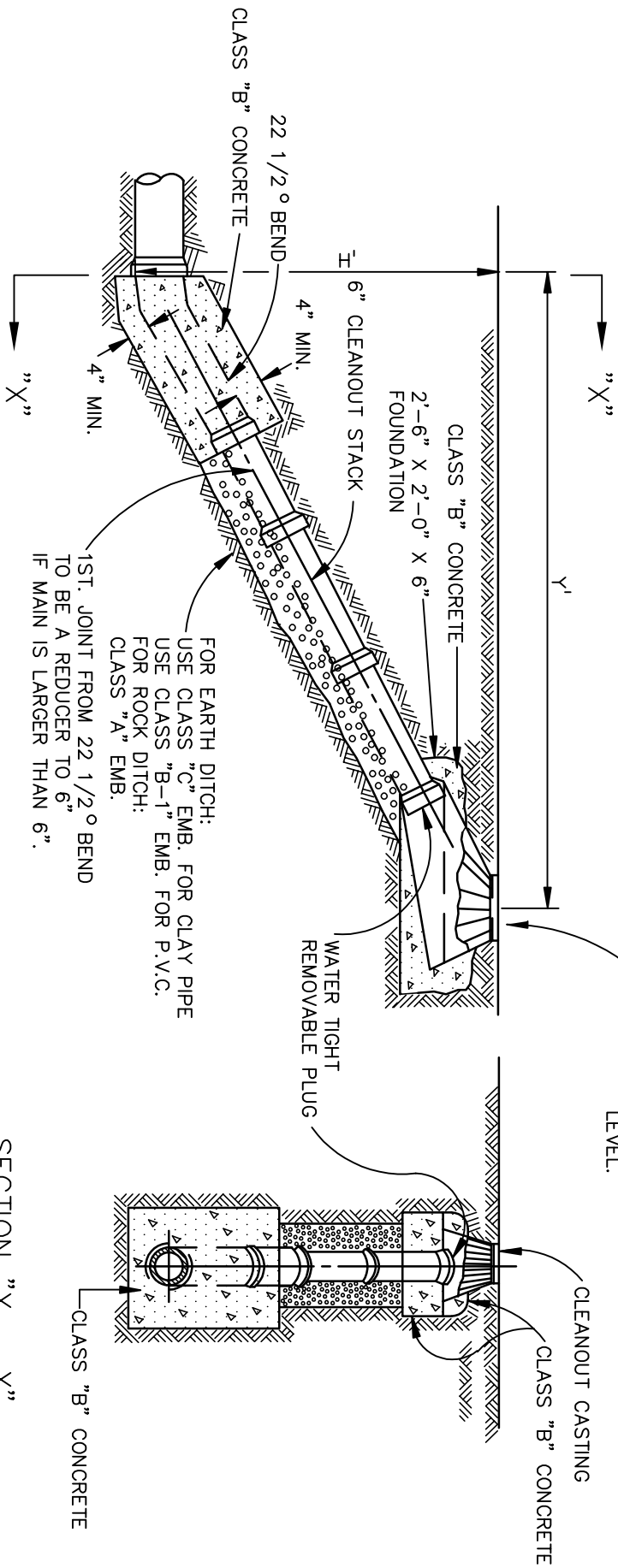
FEBRUARY 2021



TOWN OF WESTLAKE
1500 SOLANA BOULEVARD
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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'



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.

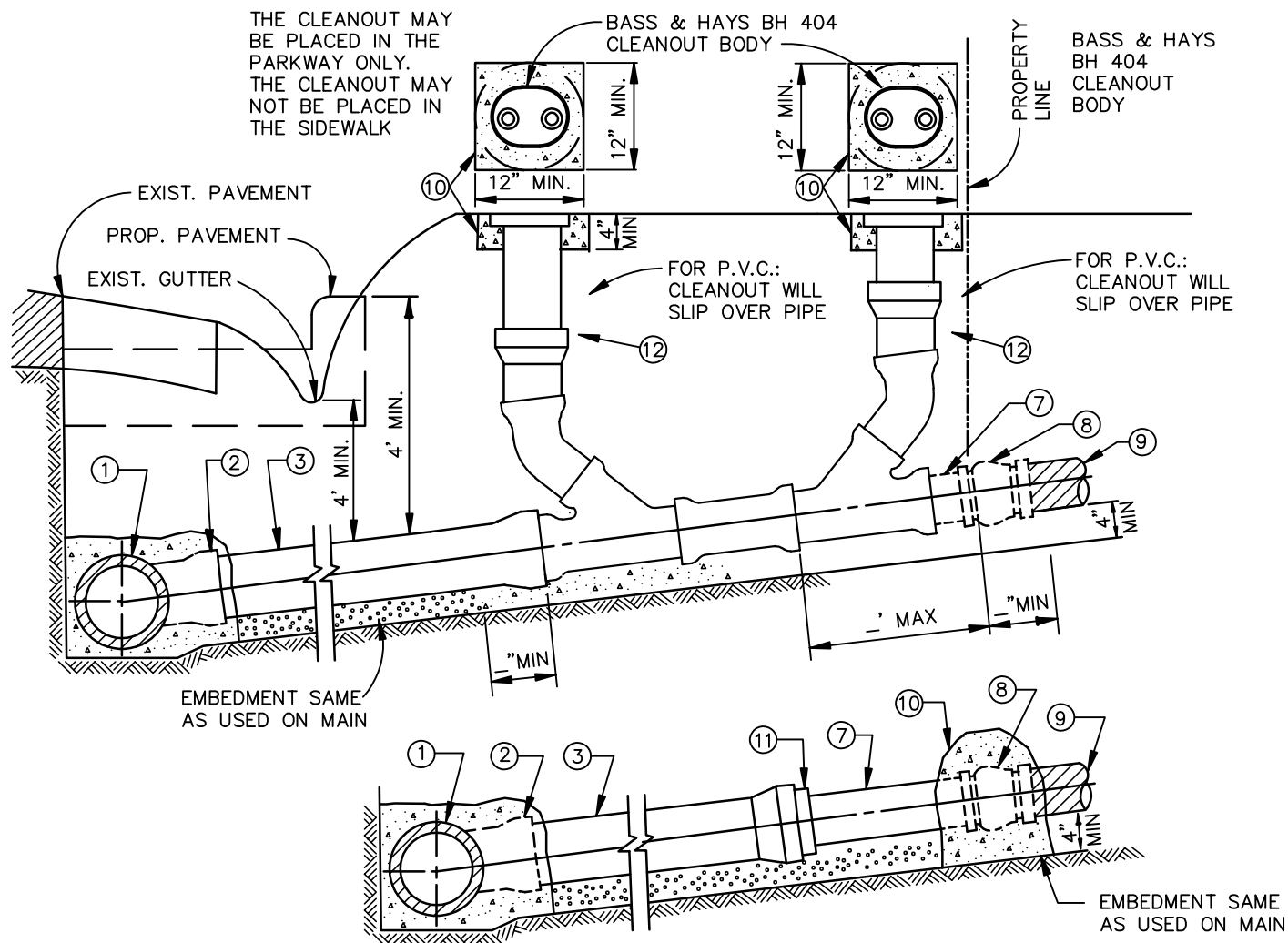
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TOWN OF WESTLAKE
1500 SOLANA BOULEVARD
BLDG. 7, SUITE 7200
WESTLAKE, TEXAS 76262

WASTEWATER
MAIN
CLEANOUT
WWC-05

①. WASTEWATER 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. COMPACTED AS SPECIFIED, OR INUNDATED SAND



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 UTILITIES 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.

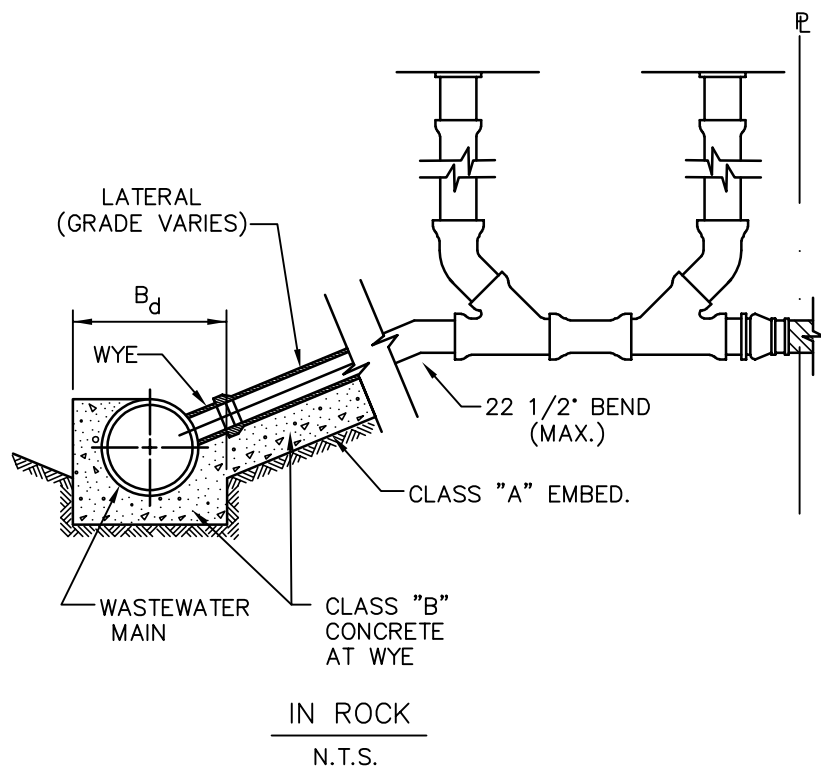
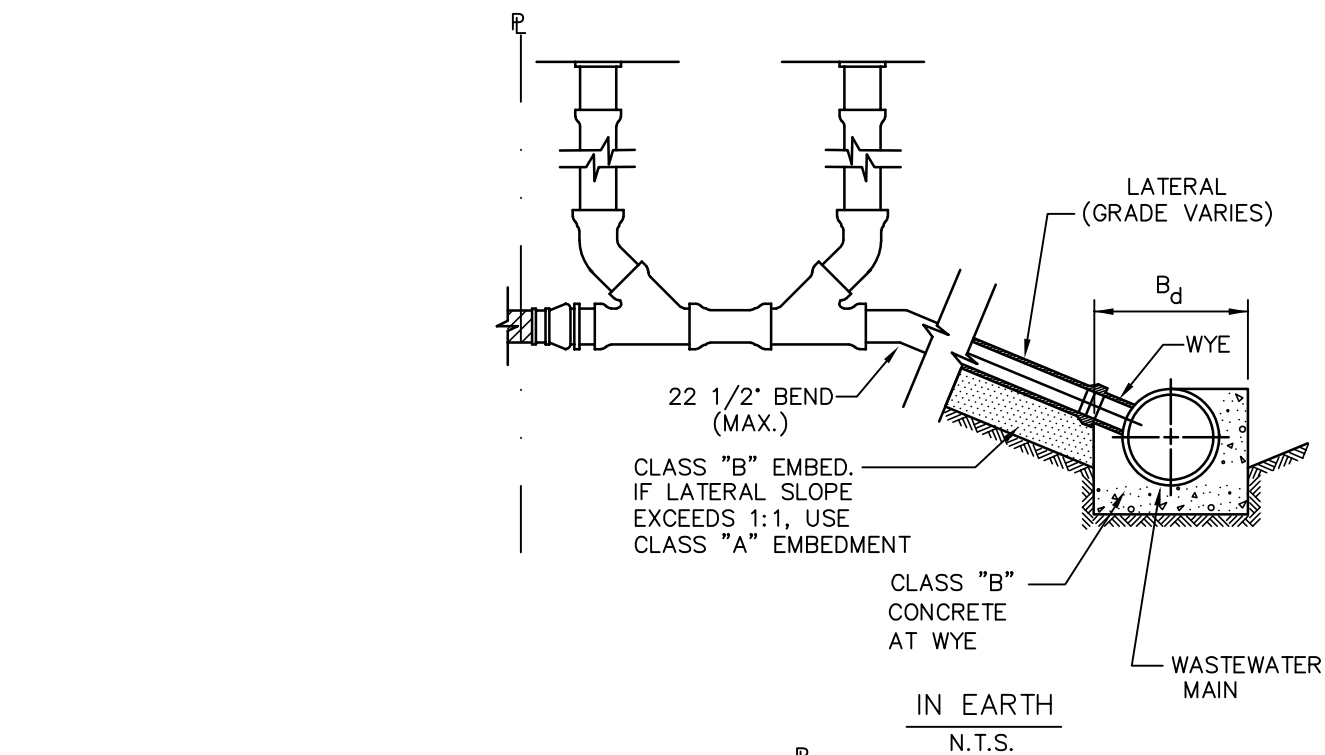
5. INSTALL 4" STOPPER OR CAP AT PROPERTY LINE IF BUILDING LATERAL DOES NOT EXIST. 6. SUBSTITUTE 4" FOR 6" FITTINGS IF PLANS OR SPEC. COND. CALL FOR 4" LATERALS.

7. THE CLEANOUT STACK & CASTING MAY BE PLACED IN THE PARKWAY, VEHICLE TRAFFIC AREAS, OR SIDEWALK, IF NECESSARY. 6. FOR 6" SERVICES OR LARGER, INSTALL A MANHOLE.



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WASTEWATER
LATERALS
WWC-06



TRENCH WITH SLOPING SIDES

NOTES:

N.T.S.

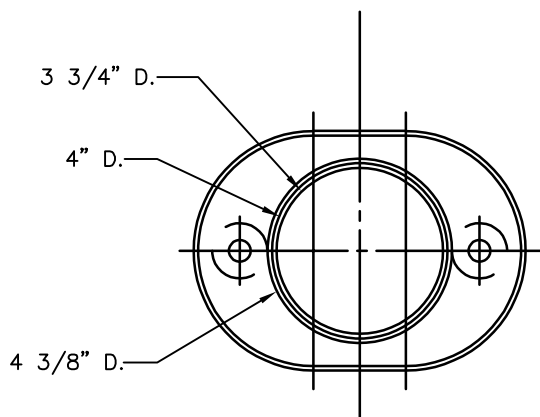
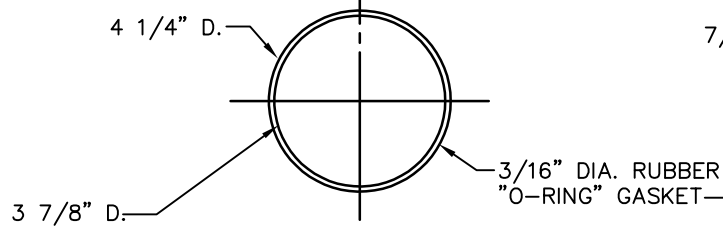
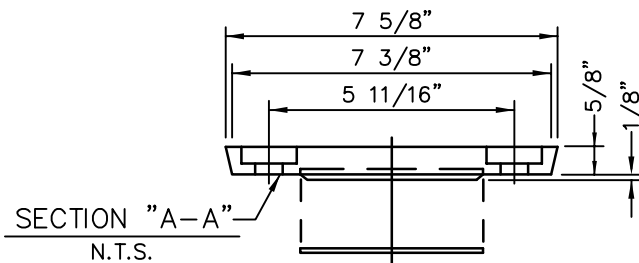
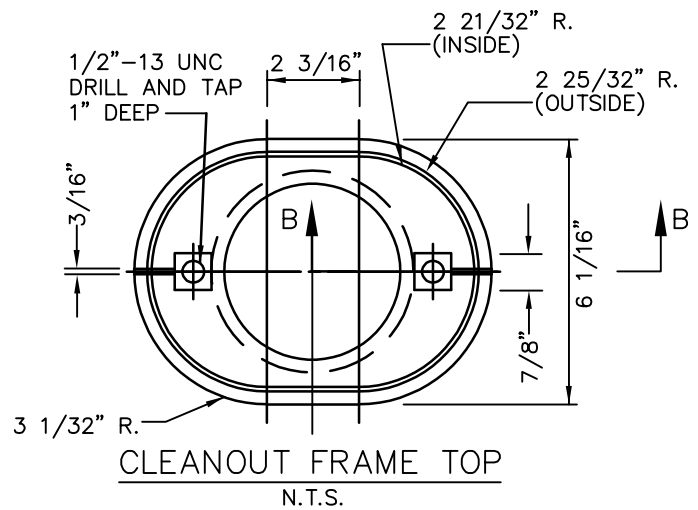
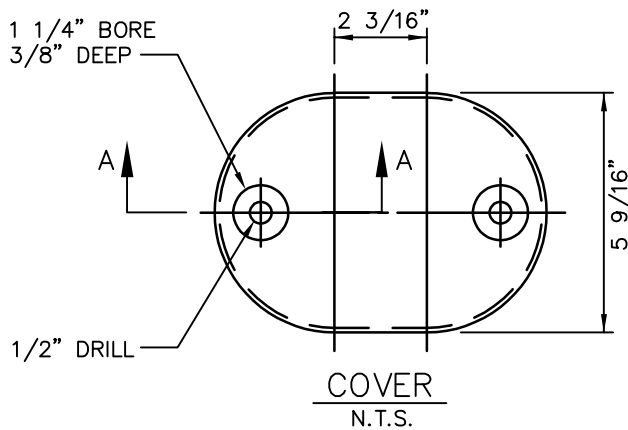
1. WYE SHALL BE SUPPORTED AS SHOWN FOR WYE CONNECTION SUPPORT.
2. LATERALS ARE TO CLEAR ALL EXISTING UTILITIES. 11 1/4" OR 22 1/2" BEND, ONLY, MAY BE REQUIRED.

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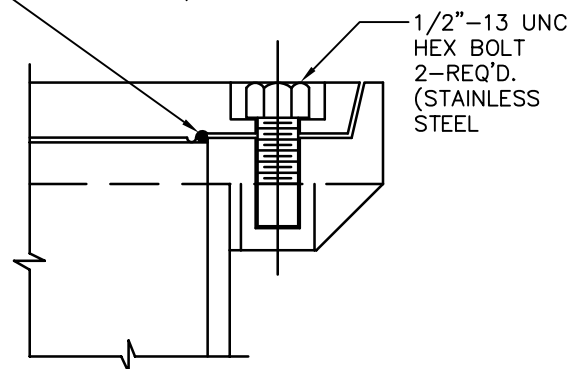
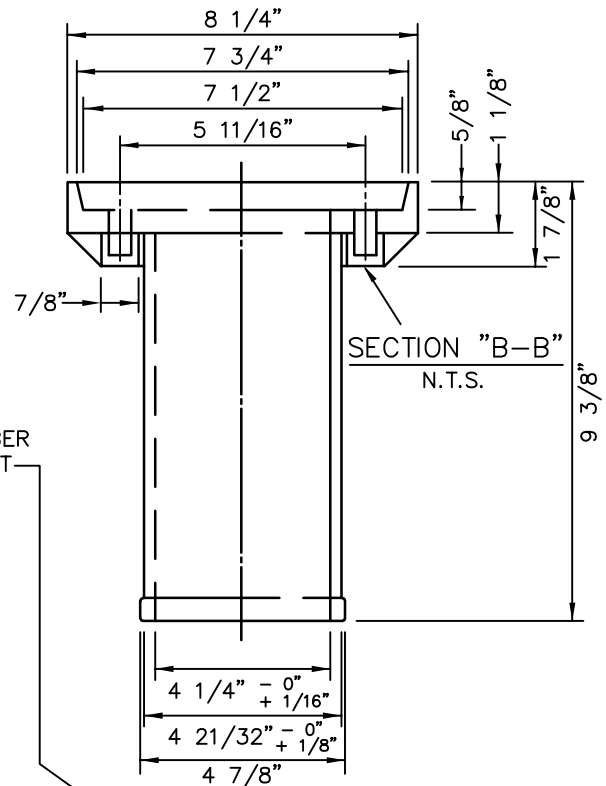
WASTEWATER
LATERAL
CONNECTIONS
WWC-07



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.

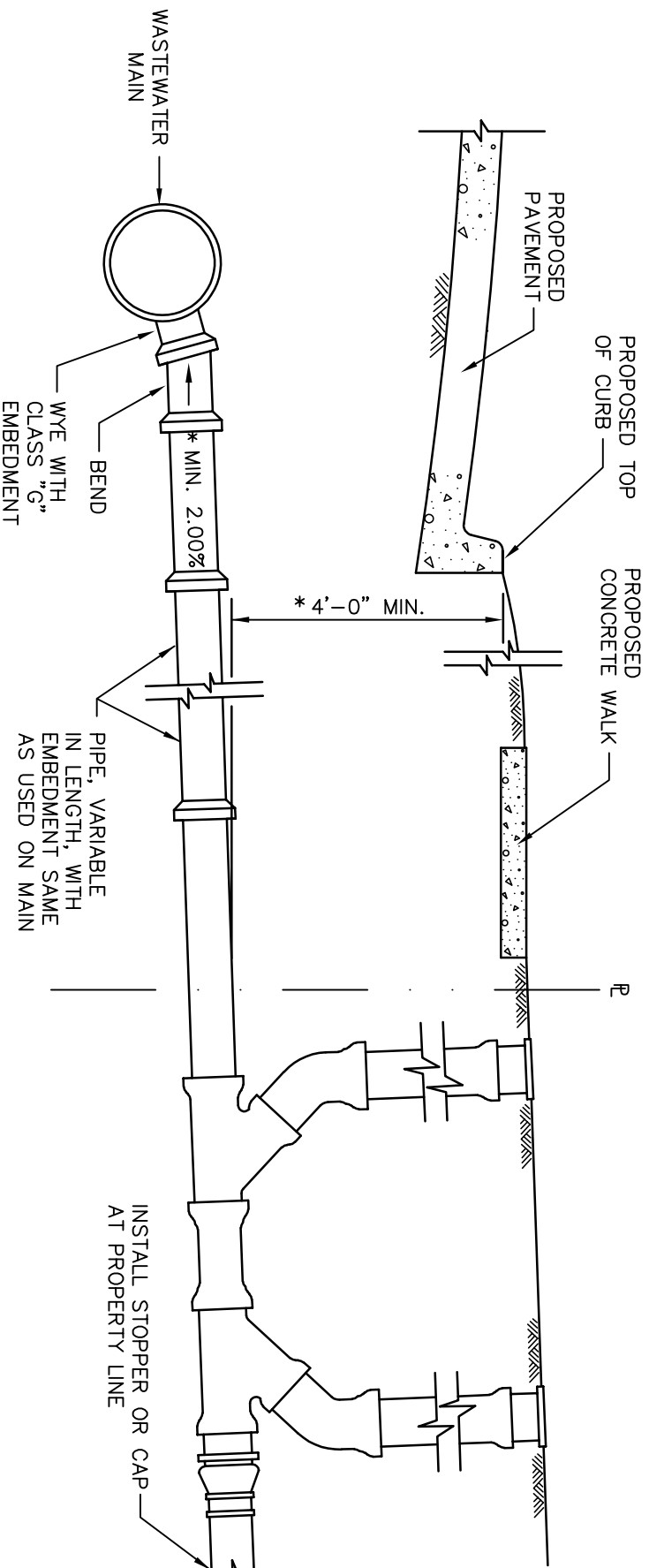
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WASTEWATER
LATERAL
WWC-08

* WASTEWATER LATERALS 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

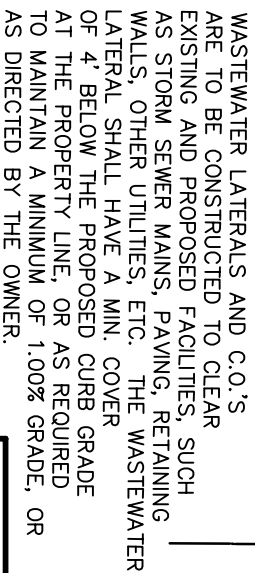
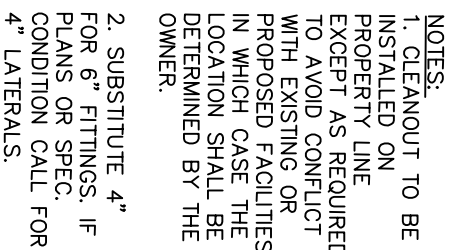
(FOR FUTURE CONNECTION, 4" OR 6" AS SPECIFIED)
N.T.S.

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WASTEWATER
LATERAL
STUBOUT
WWC-09

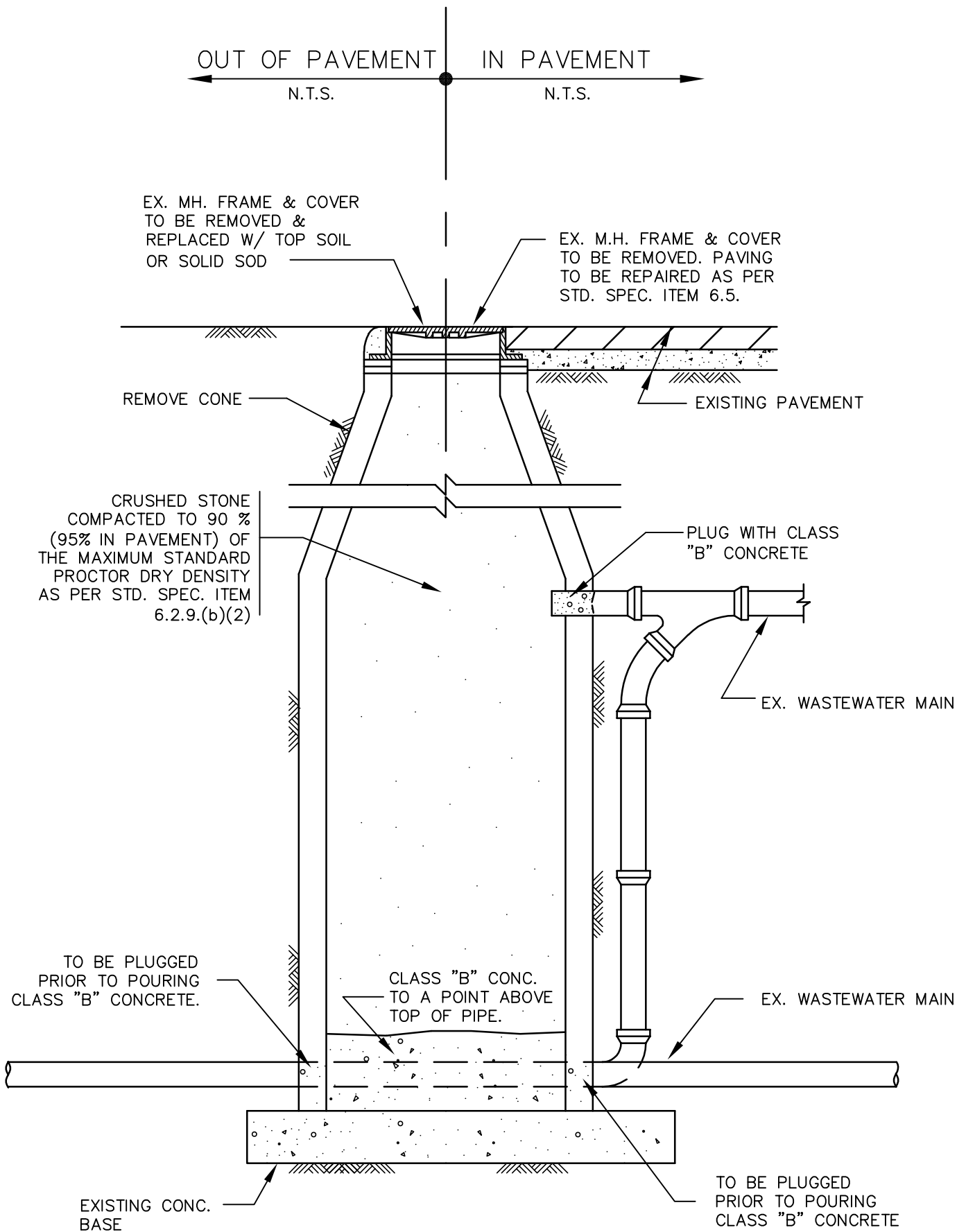


N.T.S.



THE TOWN OF
WESTLAKE

WASTEWATER
LATERAL
REPLACEMENT
WWC-10



FEBRUARY 2021



TOWN OF WESTLAKE
1500 SOLANA BOULEVARD
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ABANDONMENT
OF MANHOLE
WWC-11