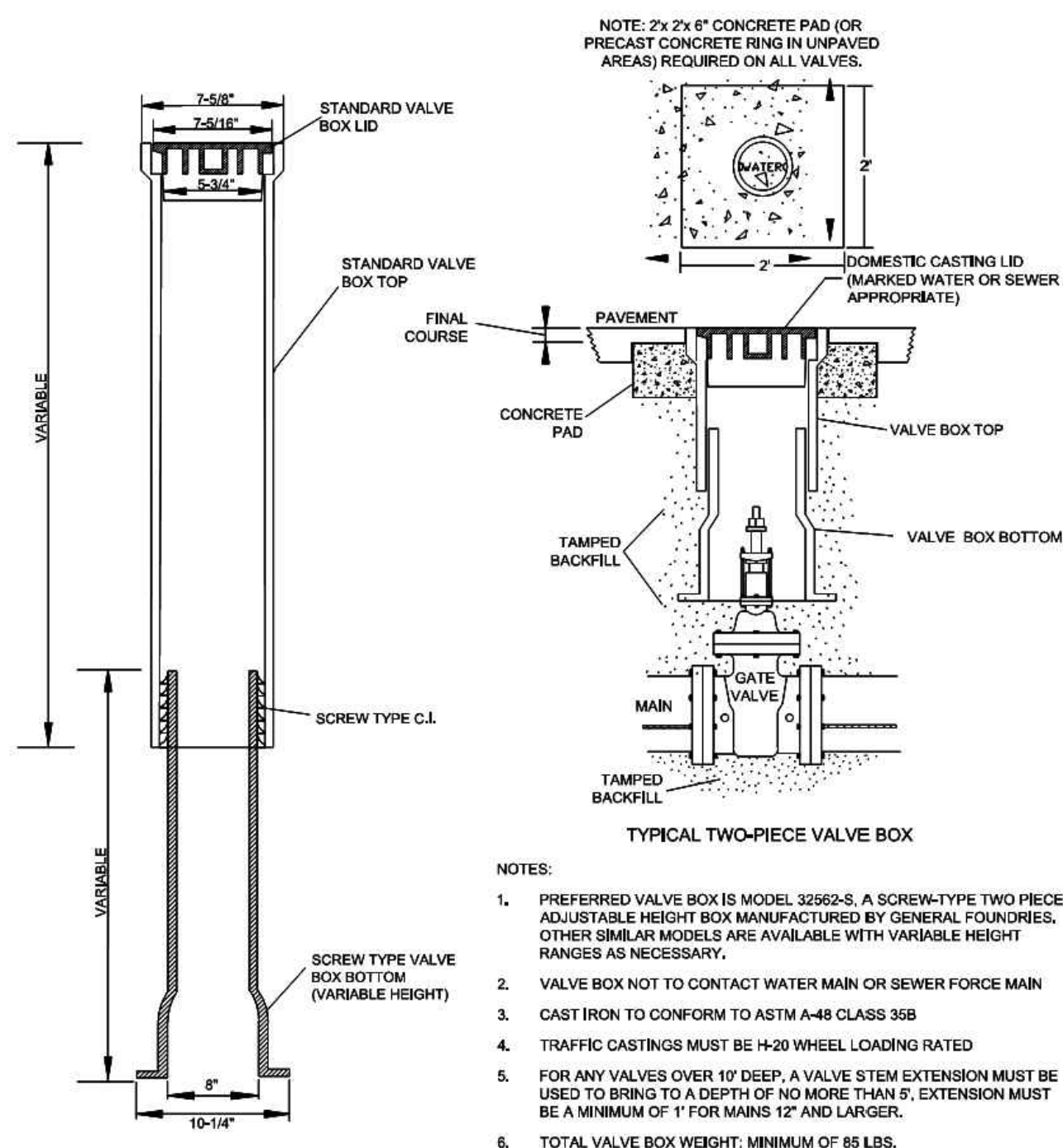




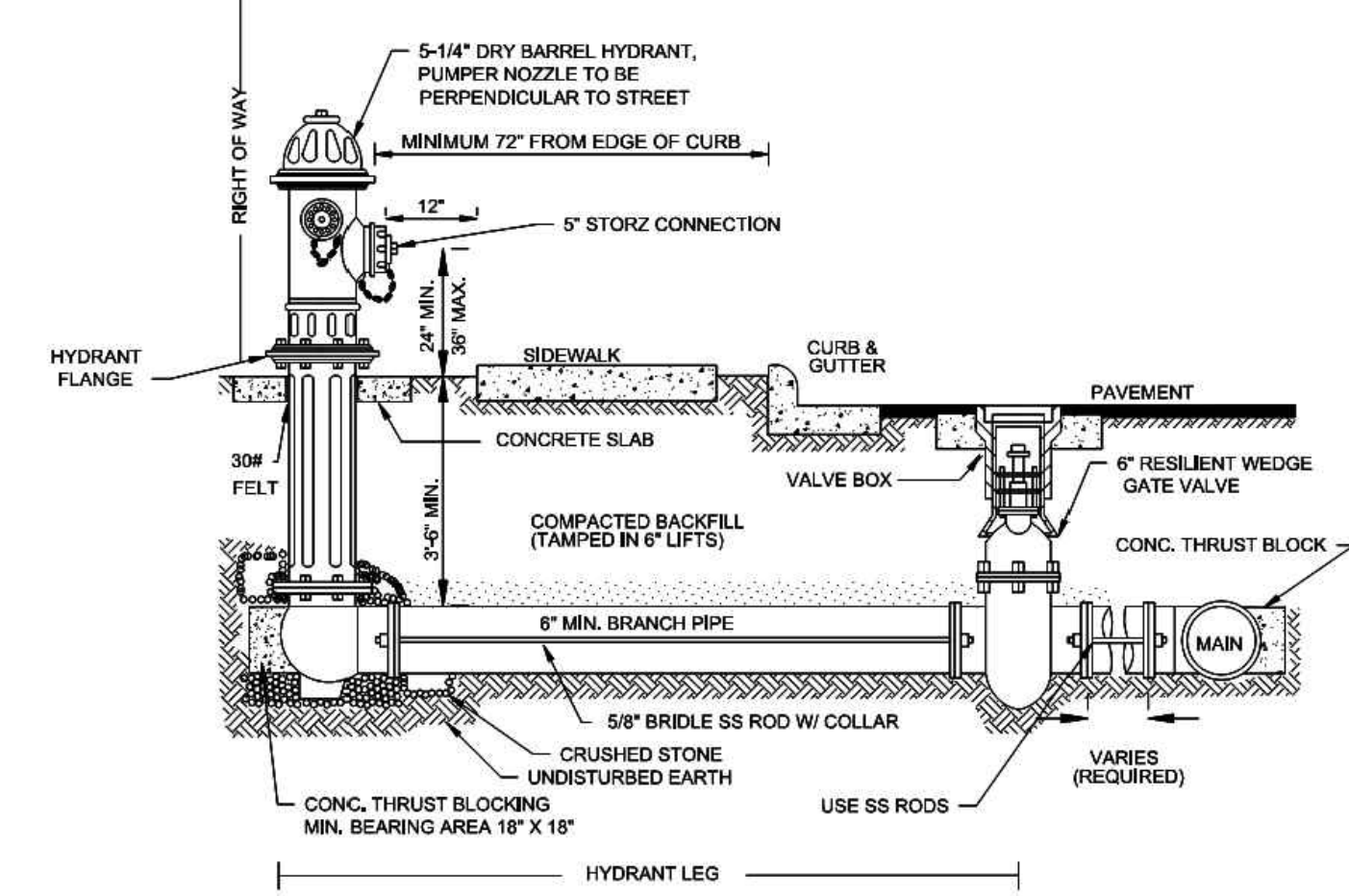
NOTES:

- PREFERRED VALVE BOX IS MODEL 32569-S, A SCREW-TYPE TWO-PIECE ADJUSTABLE HEIGHT BOX MANUFACTURED BY GENERAL FOUNDRIES. OTHER SIMILAR MODELS ARE AVAILABLE WITH VARIABLE HEIGHT RANGES AS NECESSARY.
- VALVE BOX NOT TO CONTACT WATER MAIN OR SEWER FORCE MAIN
- CAST IRON TO CONFORM TO ASTM A-48 CLASS 35B
- TRAFFIC CASTINGS MUST BE 1400 WHEEL LOADING RATED
- FOR ANY VALVES OVER 10\"/>

1	Added ref. to sewer applications	KPK	1/10/17
rev	description	app'd	date

VALVE BOX ASSEMBLY AND GATE VALVE

scale NTS drawing no. **WS-01**
 date JANUARY 2017
 approved *Kenneth P. Koel, P.E., Town Engineer*



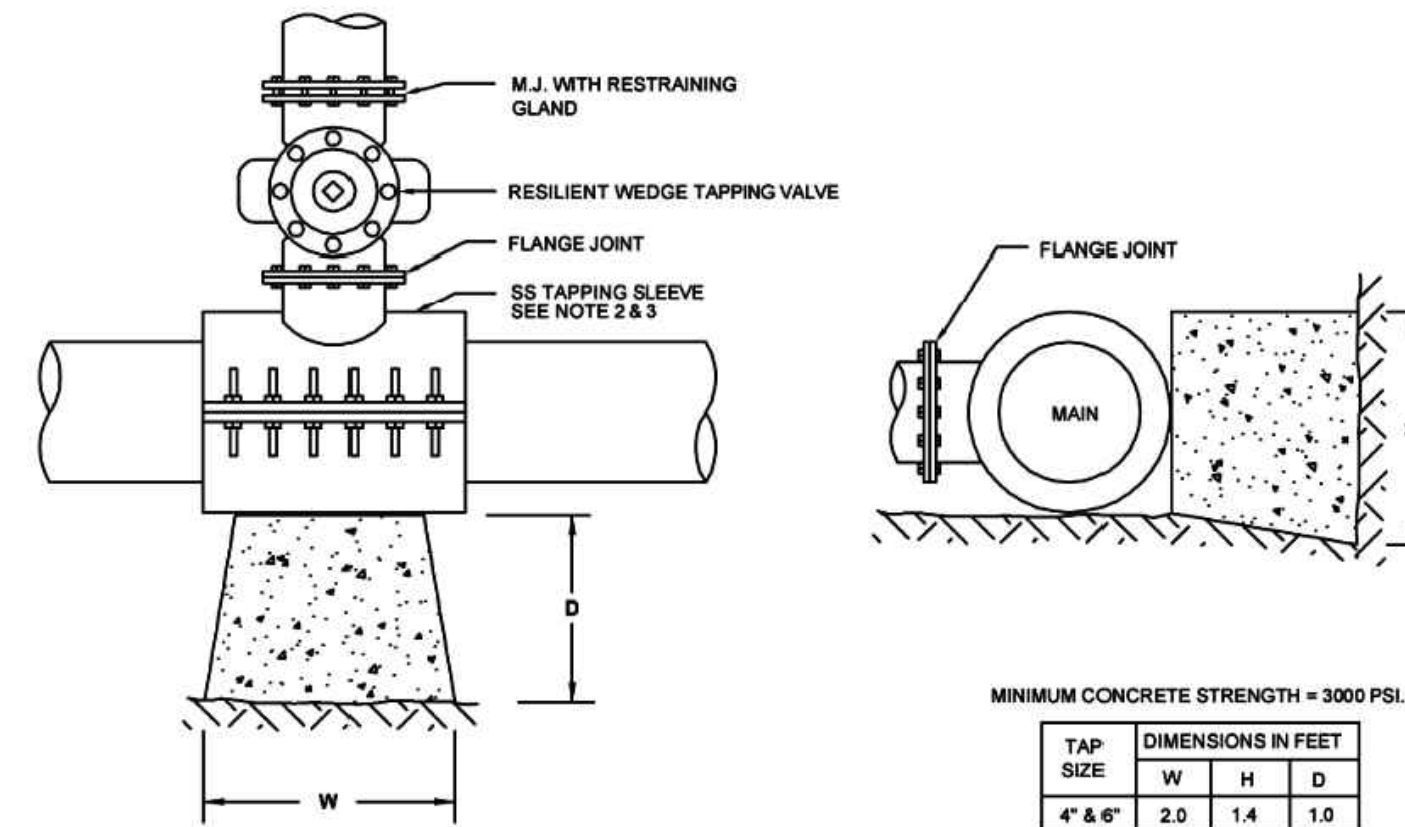
NOTES:

- ALL CONCRETE SHALL BE 3000 PSI MIN
- HYDRANTS SHALL BE MANUFACTURED BY CLOW (MEDALLION) OR AVK (SERIES 27 NOSTALGIC) AND MEET AWWA 502 STANDARDS. ALL HYDRANT VALVES SHALL BE SECURED TO MAIN LINE BY S.S. RODS AND BOLTS AND RESTRAINED JOINTS
- CONCRETE PAD REQUIRED ON ALL VALVES OUTSIDE OF PAVED AREA
- HYDRANT FLANGE SHALL BE INSTALLED BETWEEN 2\"/>

1	Min. curb distance & Storz conn.	KPK	1/10/17
rev	description	app'd	date

HYDRANTS

scale NTS drawing no. **W-01**
 date JANUARY 2017
 approved *Kenneth P. Koel, P.E., Town Engineer*



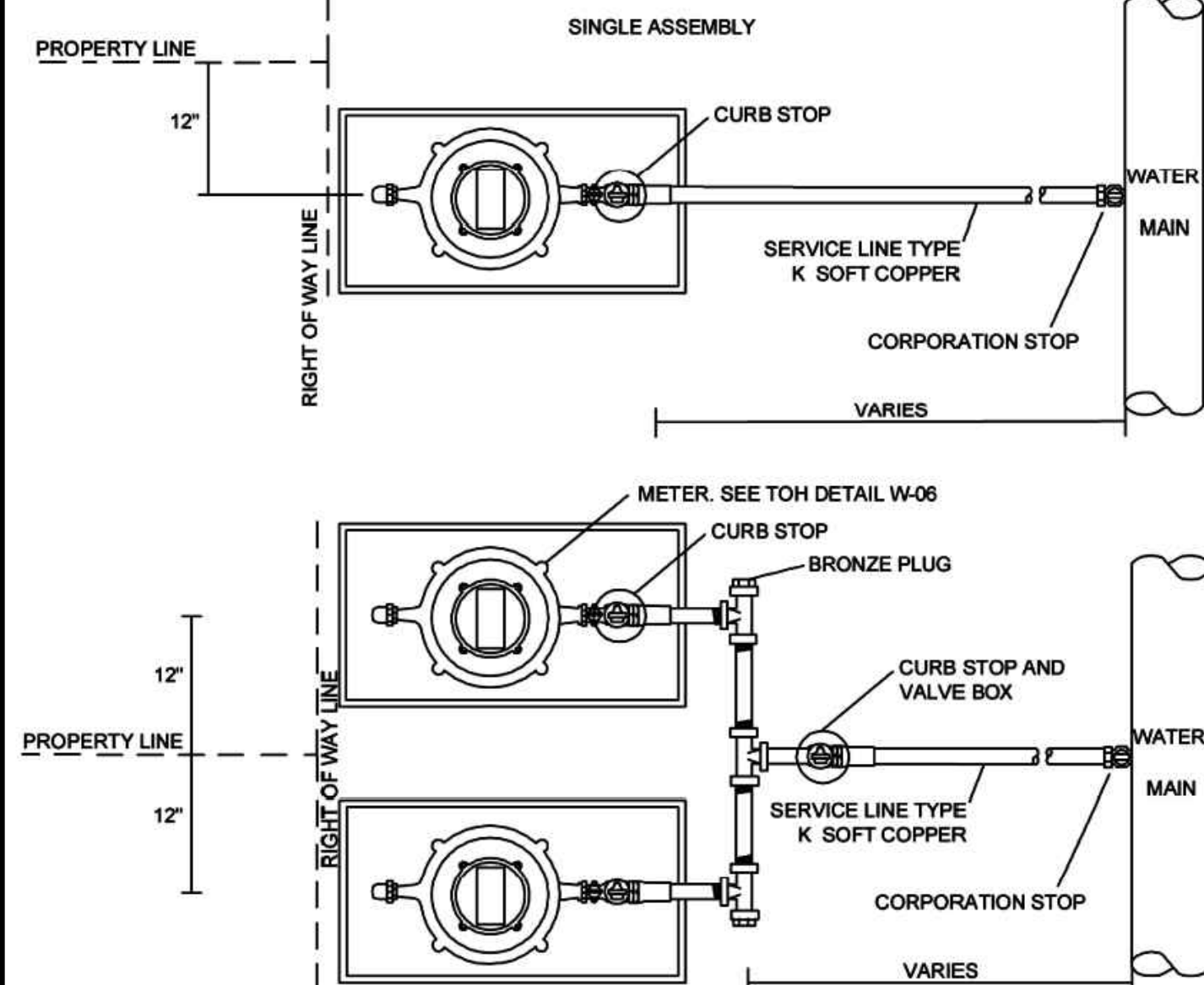
NOTES:

- TAPS ONTO EQUAL SIZED MAINS MUST BE CUT AND SLEEVED WITH A TEE AND MAIN LINE VALVE INSTALLED
- BOLTS AND NUTS FOR TAPPING SLEEVE SHALL BE STAINLESS STEEL
- ALL TAPS 4\"/>

1	Added ref. to sewer applications	KPK	1/10/17
rev	description	app'd	date

WATER MAIN TAPS

scale NTS drawing no. **W-05**
 date JUNE 2012
 approved *Kenneth P. Koel, P.E., Town Engineer*



NOTES:

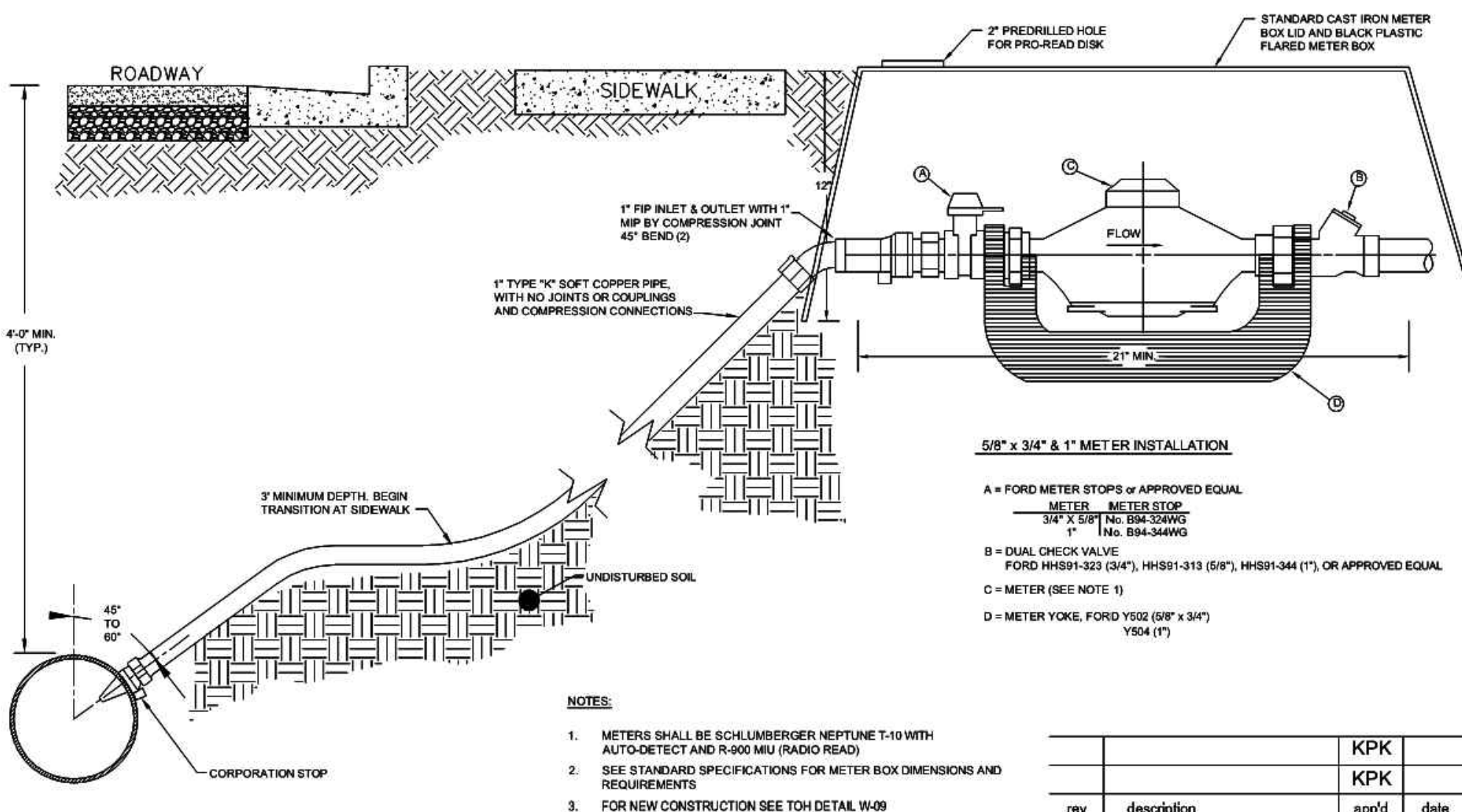
- ALL WATER METER LOCATIONS SHALL BE COORDINATED WITH THE METER READER SUPERVISOR
- METERS WILL BE GROUPED IN PAIRS AT ADJOINING PROPERTY LINES
- EACH SERVICE SHALL HAVE ITS OWN CURBSTOP/BALLSTOP IN ITS OWN METER BOX
- MINIMUM SERVICE LINE IS 1\"/>

SIZE (I.D.) (SERVICE TAP SIZE FROM MAIN)	NUMBER OF METERED SERVICES ALLOWED
3/4"	1
1"	2

1	Added ref. to sewer applications	KPK	1/10/17
rev	description	app'd	date

WATER METER LOCATION

scale NTS drawing no. **W-09**
 date JUNE 2012
 approved *Kenneth P. Koel, P.E., Town Engineer*



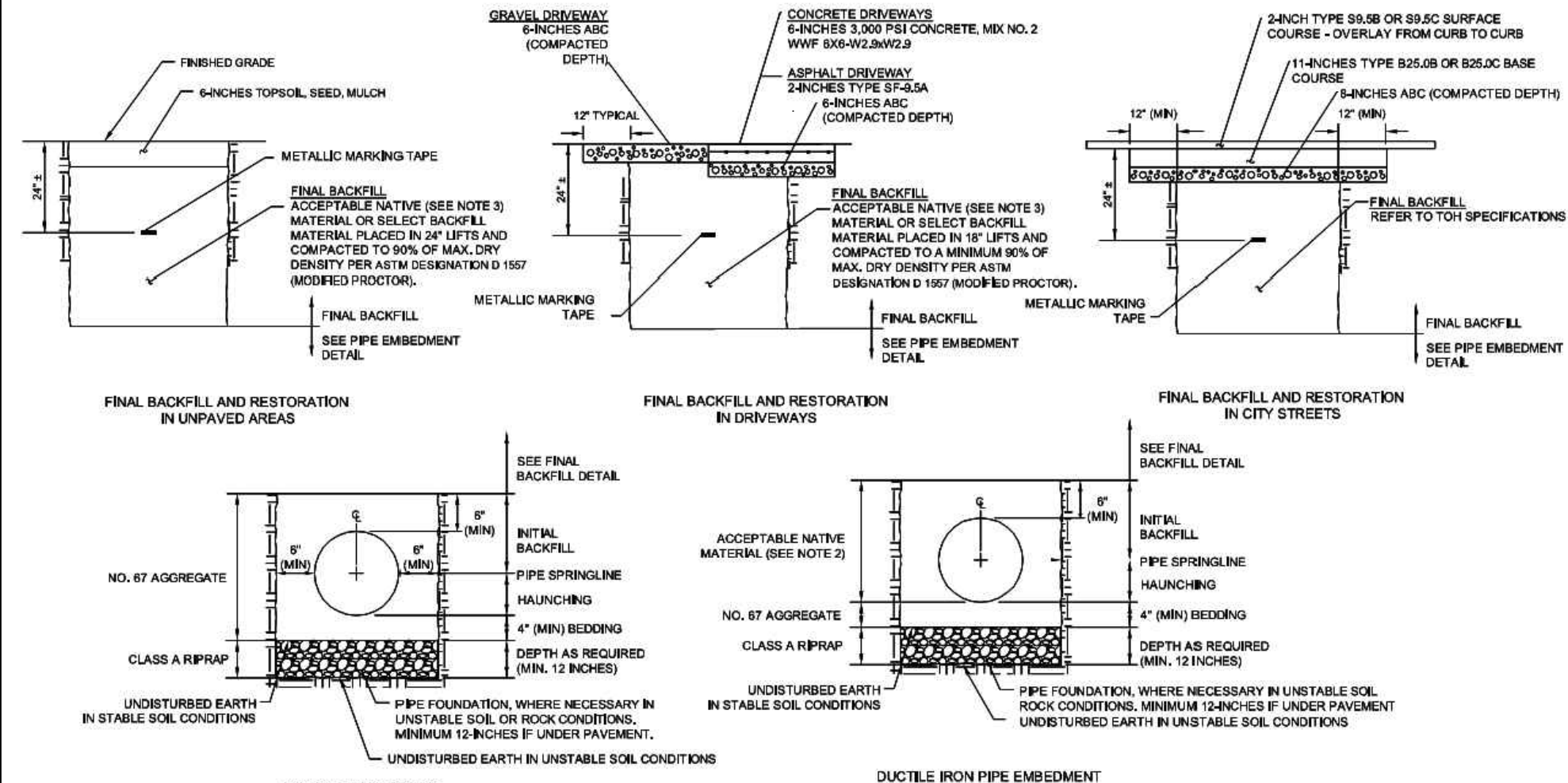
NOTES:

- METERS SHALL BE SCHLUMBERGER NEPTUNE T-10 WITH AUTO-DETECT AND R-300 MU (RADIO READ)
- SEE STANDARD SPECIFICATIONS FOR METER BOX DIMENSIONS AND REQUIREMENTS
- FOR NEW CONSTRUCTION SEE TOH DETAIL W-09

1	Added ref. to sewer applications	KPK	1/10/17
rev	description	app'd	date

RESIDENTIAL WATER METER AND BOX

scale NTS drawing no. **W-06**
 date JUNE 2012
 approved *Kenneth P. Koel, P.E., Town Engineer*



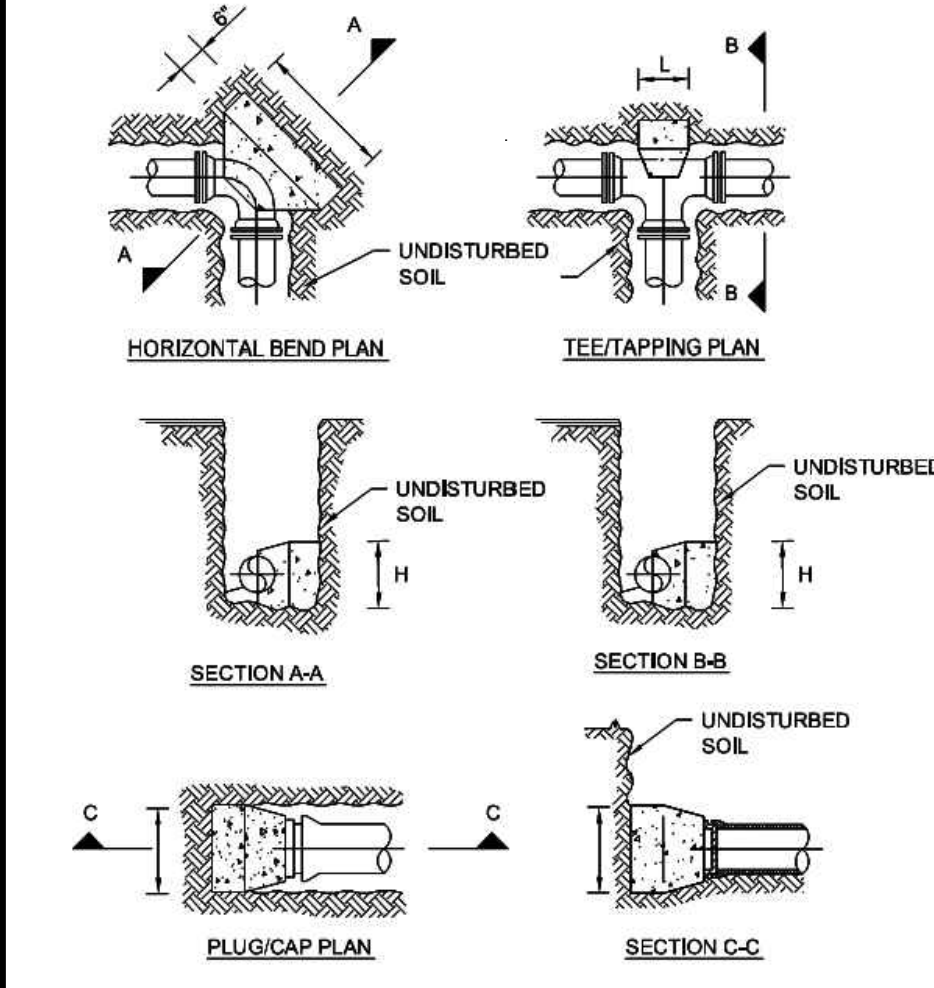
NOTES:

- REFERENCE TOH CODE SECTION 741-4 FOR STREET BASE & PAVEMENT MATERIALS AND TESTING STANDARDS (REFERENCES NOT TO STANDARDS)
- NATIVE MATERIAL SHALL NOT CONTAIN ANY ROCKS GREATER THAN 2 INCHES AND FREE OF VEGETATION AND DEBRIS
- NATIVE MATERIAL SHALL NOT CONTAIN ANY ROCKS GREATER THAN 8 INCHES AND FREE OF VEGETATION AND DEBRIS

1	Added ref. to sewer applications	KPK	1/10/17
rev	description	app'd	date

TRENCH DETAILS

scale NTS drawing no. **WS-03**
 date JUNE 2012
 approved *Kenneth P. Koel, P.E., Town Engineer*



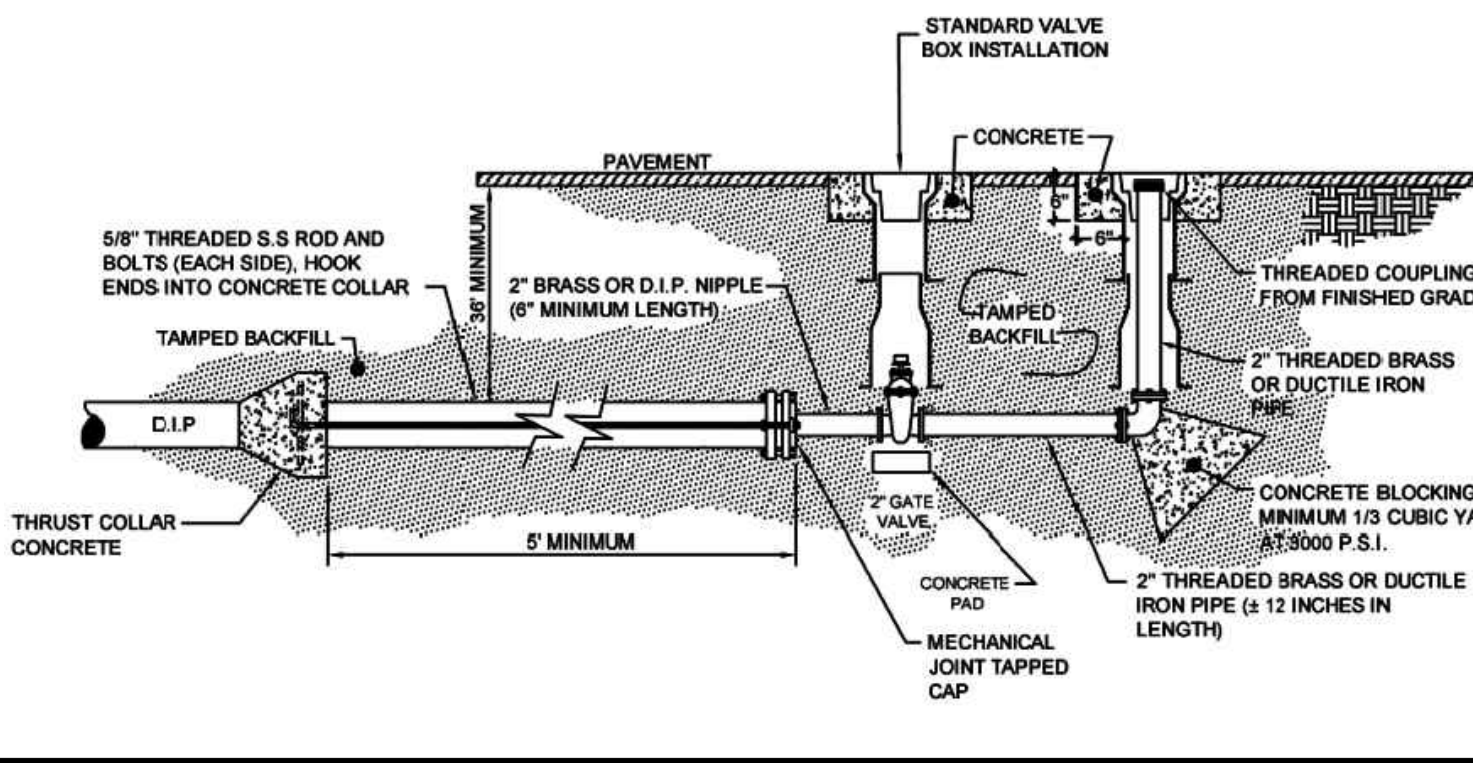
NOTES:

- SEE CHART \"HORIZONTAL ANCHOR DIMENSIONS\". USE WITH CHART UP TO 150 PSI WORKING PRESSURE.

1	Added ref. to sewer applications	KPK	1/10/17
rev	description	app'd	date

THRUST BLOCKING

scale NTS drawing no. **WS-02**
 date JUNE 2012
 approved *Kenneth P. Koel, P.E., Town Engineer*



NOTES:

- FOR MAINS THAT ARE TO BE EXTENDED, USE A VALVE EQUAL TO THE MAIN SIZE AS THE BLOW-OFF VALVE AND THEN REDUCE TO THE 2\"/>

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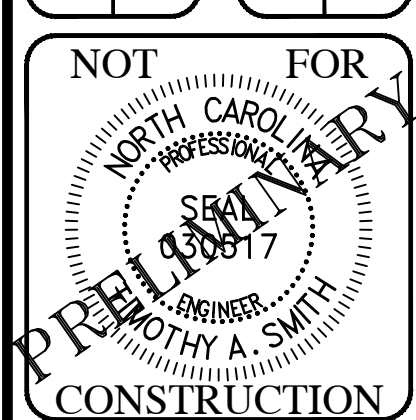
1	Added ref. to sewer applications	KPK	1/10/17
rev	description	app'd	date

BLOW-OFF DETAIL

scale NTS drawing no. **W-11**
 date JUNE 2012
 approved *Kenneth P. Koel, P.E., Town Engineer*

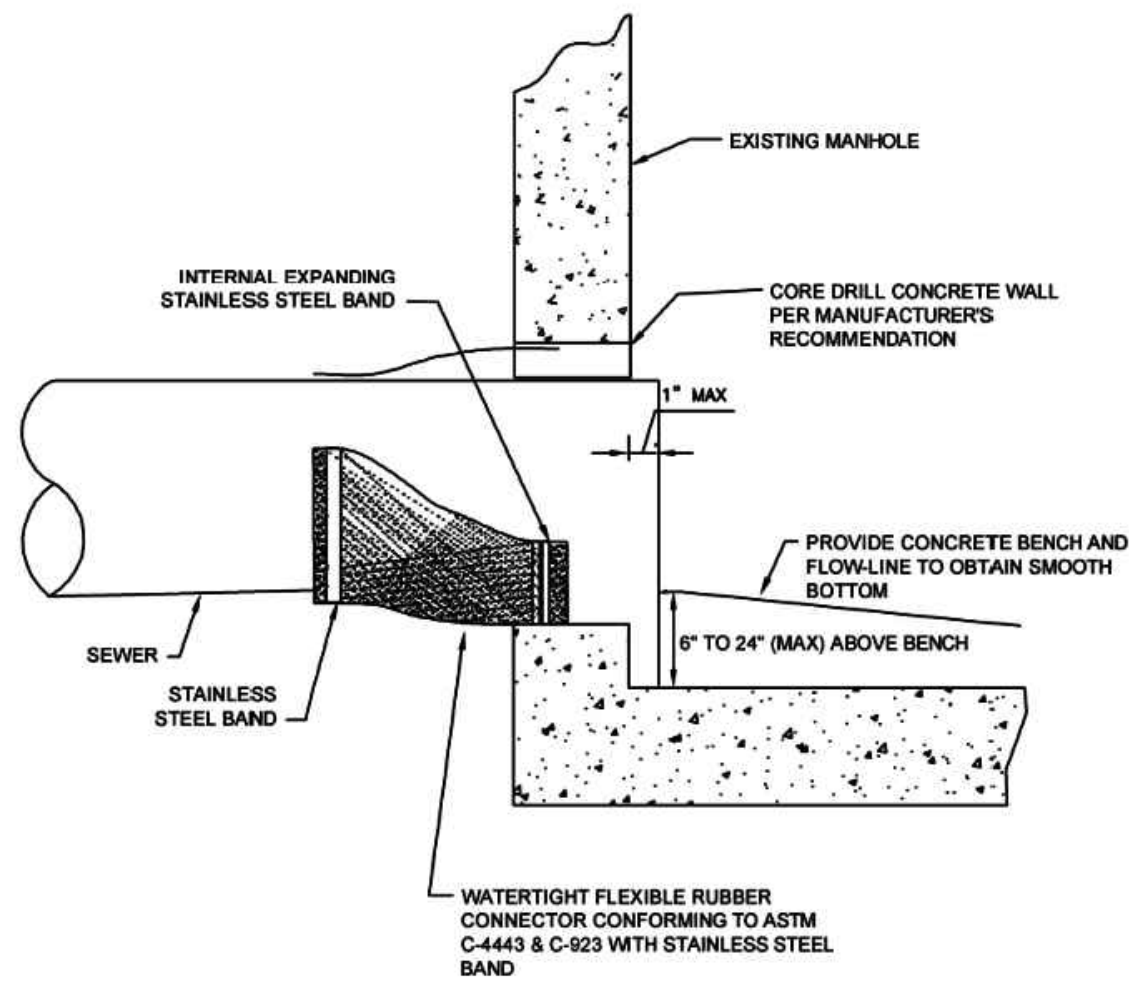
7	6	5	4	3	2	1	DATE	REVISIONS	BY

PROJECT ENGINEER/ARCHITECT TAS (TAS@SUMMITDE.NET)	PROJECT MANAGER RPH (RANDY.HALL@SUMMITDE.NET)	DRAWN BY DON CHITTY (SUMMITDE.NET)	FIRST ISSUE DATE 05-18-2020
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SUP - SITE DEVELOPMENT PLANS FOR EAST VILLAGE AT MEADOWLANDS
 1317 US 70-A EAST HILLSBOROUGH, NORTH CAROLINA 27278
WATER DETAILS

PROJECT NO. **20-0044**
 DRAWING NAME: **20-0044_D.dwg**
 SHEET NO. **D-2**



NOTES:

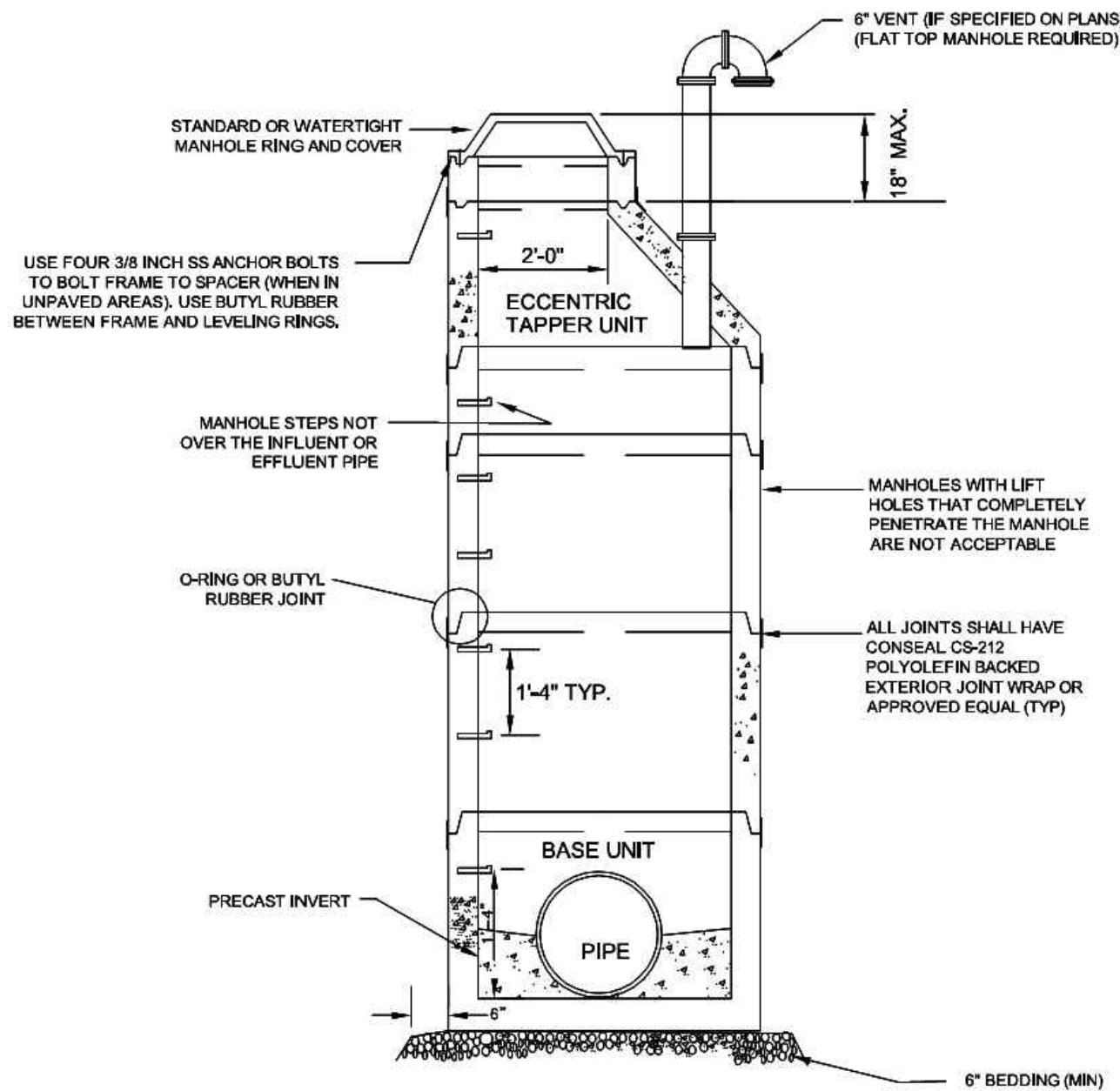
1. ALL CONNECTIONS TO EXISTING MANHOLES OR WETWELLS SHALL UTILIZE A CORING METHOD AND IN-FIELD INSTALLATION OF A RUBBER BOOT CONNECTION

rev	description	KPK	app'd	date

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CORED CONNECTIONS SEWER WETWELL OR MANHOLE

scale | NTS drawing no. | **S-02**
 date | JUNE 2012
 approved | *Kenneth P. Keel*
 Kenneth P. Keel, P.E., Town Engineer



NOTES:

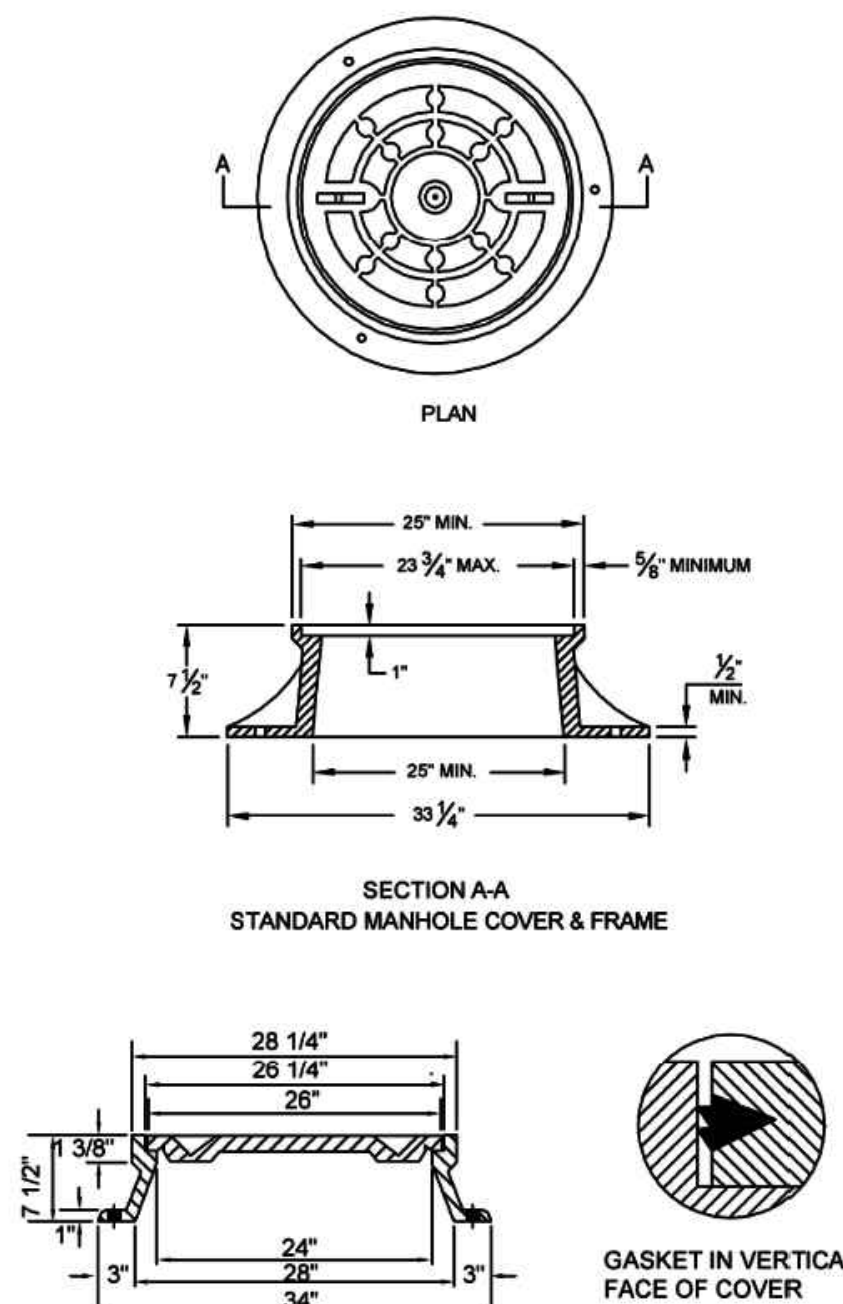
1. ALL VENT OPENINGS SHALL BE TWO FEET ABOVE HUNDRED YEAR FLOOD ELEVATION
2. VENT SHALL BE DIP WITH SS INSECT SCREEN
3. VENT SHALL BE ANGLED OR GOOSE-NECKED.
4. PIPING DEEPER THAN 16 FT SHALL REQUIRE A 5 FOOT DIAMETER MANHOLE WHILE MANHOLES 20 FOOT OR DEEPER SHALL BE 6 FOOT IN DIAMETER

rev	description	KPK	app'd	date

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PRECAST CONCRETE MANHOLE

scale | NTS drawing no. | **S-08**
 date | JUNE 2012
 approved | *Kenneth P. Keel*
 Kenneth P. Keel, P.E., Town Engineer



NOTES:

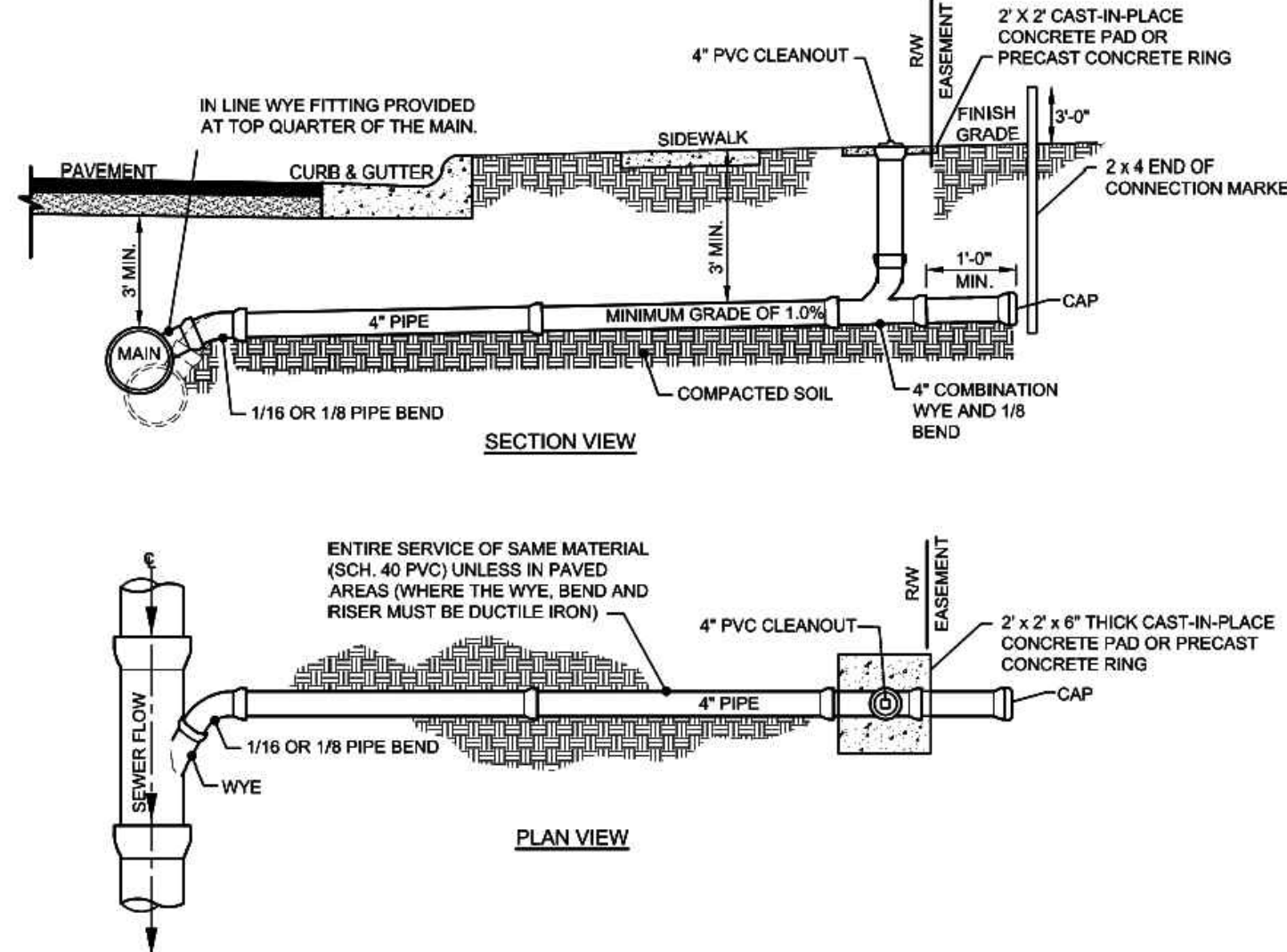
1. CASTINGS SHALL BE MADE-IN-USA CONFORMING TO ASTM A48, CLASS 35B GRAY CAST IRON
2. MANHOLE FRAME & COVER TO BE H-20 LOAD RATED IN PAVED AREAS

rev	description	KPK	app'd	date

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FRAMES AND COVER

scale | NTS drawing no. | **S-09**
 date | JUNE 2012
 approved | *Kenneth P. Keel*
 Kenneth P. Keel, P.E., Town Engineer



NOTES:

1. CLEANOUT SHALL BE PLACED AT RIGHT-OF-WAY OR EDGE OF EASEMENT
2. DO NOT INSTALL CLEANOUT INSIDE A FENCE
3. CONNECTIONS TO 15\"/>

1	Sch 40 service & PVC plug	KPK	1/10/
		KPK	
rev	description	app'd	date

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SEWER SERVICE AND CLEANOUT WITH COLLAR

scale | NTS drawing no. | **S-03**
 date | JANUARY 2017
 approved | *Kenneth P. Keel*
 Kenneth P. Keel, P.E., Town Engineer

7	6	5	4	3	2	1	DATE	BY

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FIRST ISSUE DATE
 05-18-2020

NOT FOR CONSTRUCTION
 NORTH CAROLINA
 STATE ENGINEER
 JIMMY A. SMITH
 1/10/17

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**SUP - SITE DEVELOPMENT PLANS FOR
 EAST VILLAGE AT MEADOWLANDS**
 1317 US 70-A EAST
 HILLSBOROUGH, NORTH CAROLINA 27278
SANITARY SEWER DETAILS

PROJECT NO.
 20-0044
DRAWING NAME:
 20-0044_D.dwg
SHEET NO.
 D-3