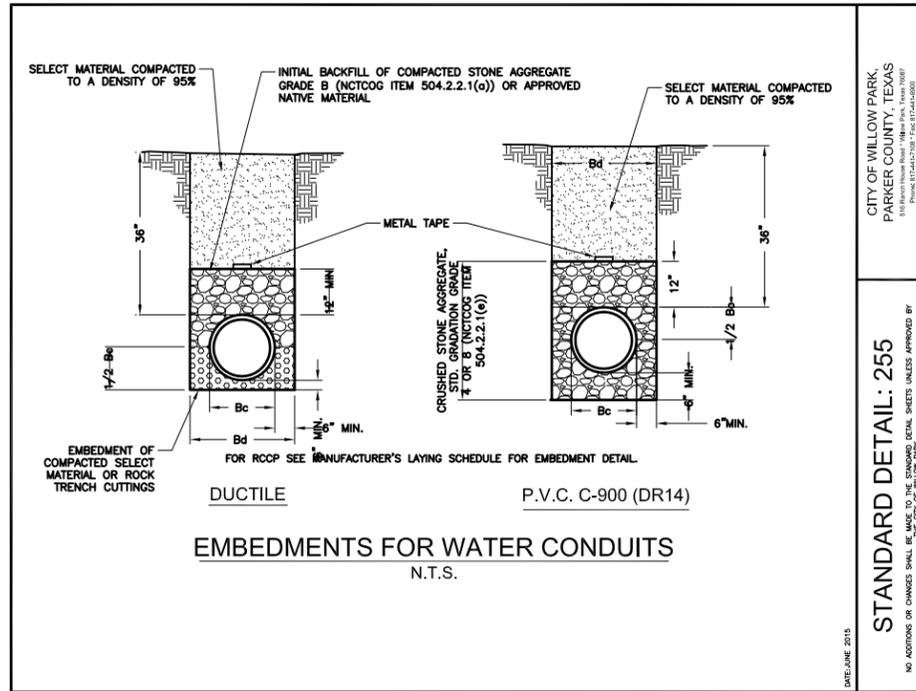
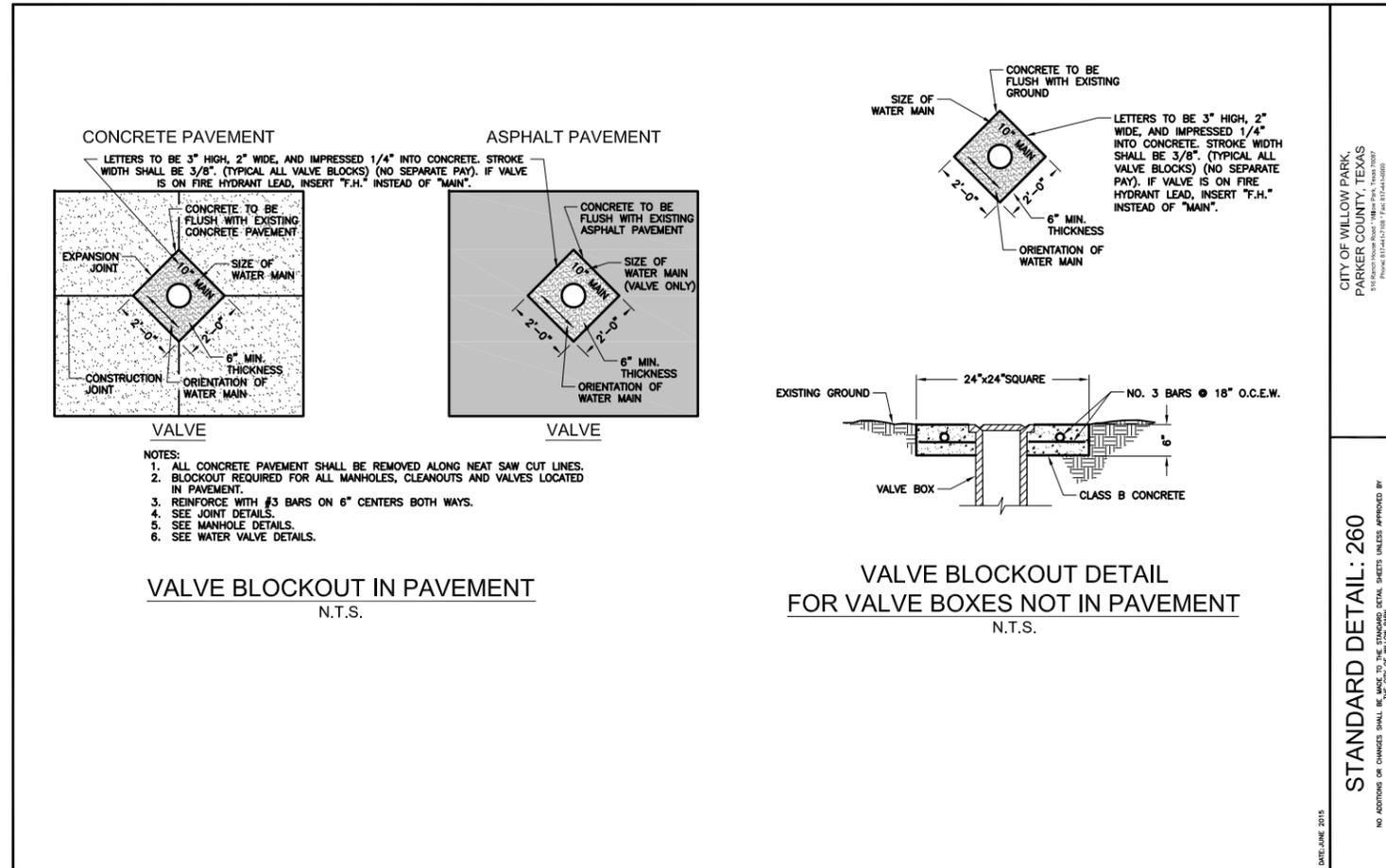


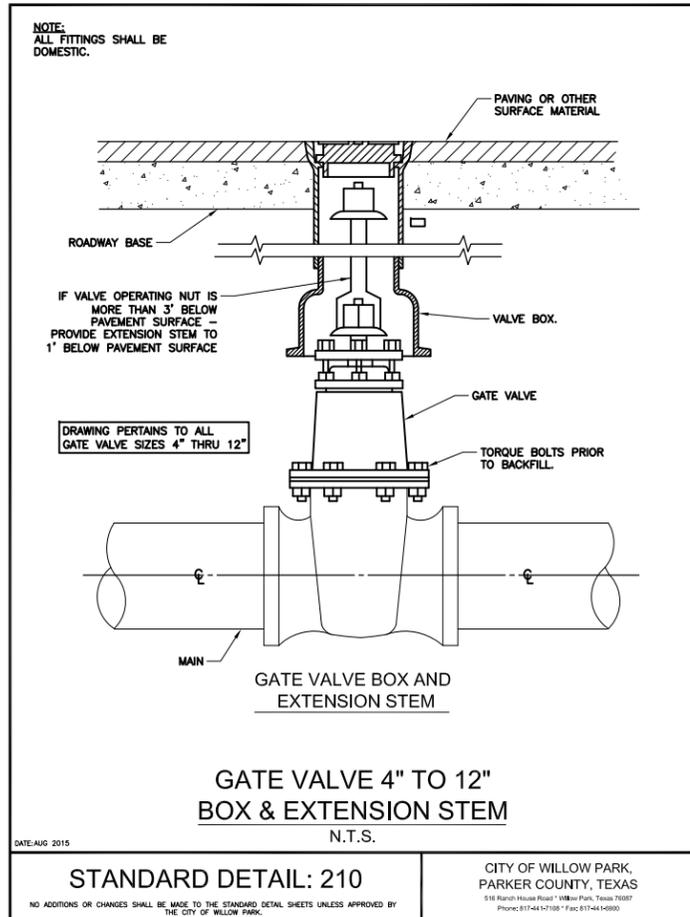
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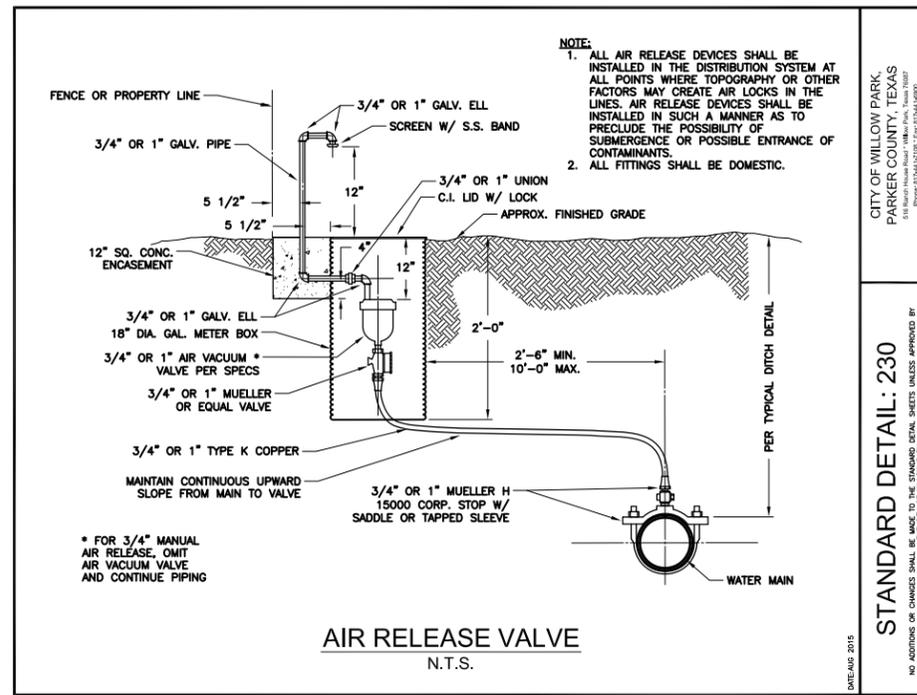
CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
STANDARD DETAIL: 255
NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.



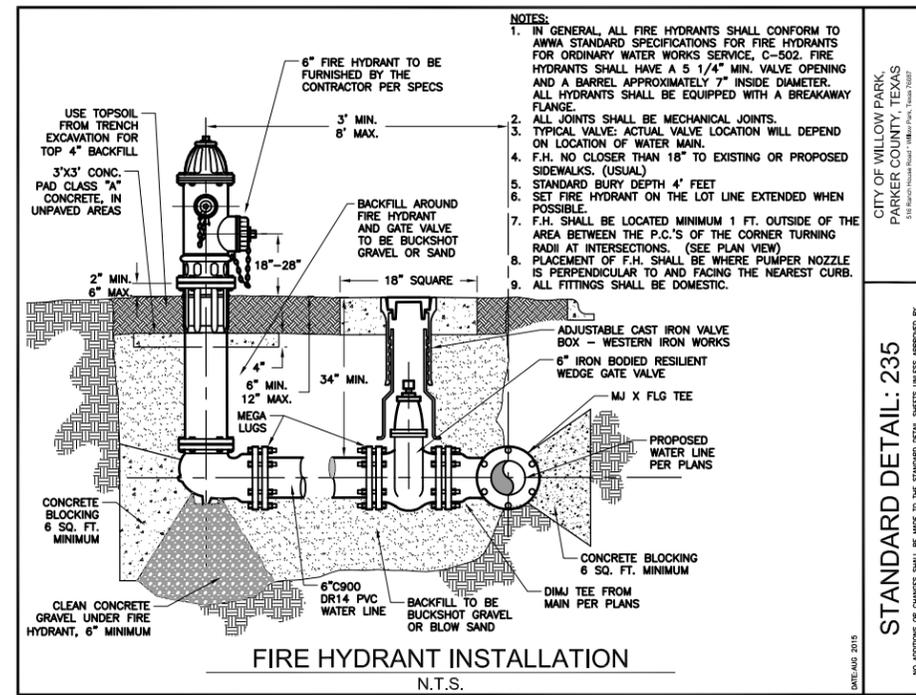
CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
STANDARD DETAIL: 260
NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.



CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
STANDARD DETAIL: 210
NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.



CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
STANDARD DETAIL: 230
NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.



CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
STANDARD DETAIL: 235
NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.

CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
516 Ranch House Road
Willow Park, Texas 76087
Phone: 817-441-7108 - Fax: 817-441-6900

CITY OF WILLOW PARK, TEXAS
STANDARD DETAILS

NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.	22x34 SCALE: N.T.S.	DATE: AUG 2015	DRAWN: X.X.X.	CHECKED: X.X.X.	APPROVED: X.X.X.
SHEET TITLE:	WATER DETAILS				
SHEET NO.:	C-W01				

REVISIONS:

VERTICAL THRUST BLOCK AT PIPE BEND
 N.T.S.

Δ	11.25°		22.50°		30°		45°		67.50°		90°		I.D. (IN.)
	I.D. (IN.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)									
4,6,8	1.0	0.5	2.0	1.0	2.5	1.3	3.6	1.8	4.6	2.3	5.0	2.5	4,6,8
10,12	2.2	1.1	4.3	2.2	5.7	2.8	8.0	4.0	10.5	5.2	11.3	5.7	10,12
16,18	5.0	2.5	9.7	4.9	12.7	6.4	18.0	9.0	23.5	11.8	25.5	12.7	16,18
20	6.1	3.1	12.0	6.0	15.7	7.9	22.2	11.1	29.2	14.5	31.4	15.7	20
24	8.2	4.4	17.3	8.7	22.6	11.3	32.0	16.0	41.8	20.9	45.2	22.6	24
30	10.5	5.2	20.3	10.1	26.5	13.3	37.5	18.8	49.0	24.5	53.1	26.5	30
36	14.9	7.5	29.2	14.6	38.2	19.1	54.0	27.0	70.5	35.3	76.4	38.2	36
42	20.3	10.1	39.8	19.9	52.0	26.0	73.5	36.7	96.0	48.0	104.0	52.0	42
48	26.5	13.2	51.9	26.0	67.9	33.9	96.0	48.0	126.0	62.7	136.0	67.9	48
54	33.5	16.8	65.7	32.9	85.9	42.9	122.0	60.7	159.0	79.4	172.0	85.9	54
60	41.4	20.7	81.2	40.6	106.0	53.0	150.0	75.0	196.0	98.0	212.0	106.0	60
66	50.1	25.0	98.2	49.1	128.0	64.2	182.0	90.7	237.0	119.0	257.0	128.0	66
72	59.6	29.8	117.0	58.4	153.0	76.3	216.0	108.0	282.0	141.0	305.0	153.0	72
78	69.9	35.0	137.0	68.6	179.0	90.0	254.0	127.0	331.0	166.0	358.0	179.0	78
84	81.1	40.5	159.0	79.5	208.0	104.0	294.0	147.0	384.0	192.0	416.0	208.0	84
90	93.1	46.5	183.0	91.3	239.0	119.0	337.0	169.0	441.0	221.0	477.0	239.0	90
96	106.0	53.0	208.0	104.0	272.0	136.0	384.0	192.0	502.0	251.0	543.0	272.0	96

REFER TO THRUST BLOCK GENERAL NOTES.

DATE: JUNE 2015

STANDARD DETAIL: 205

CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
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 Phone: 817-441-7108 • Fax: 817-441-6900

HORIZONTAL THRUST BLOCKING
 N.T.S.

GENERAL NOTES FOR ALL THRUST BLOCKS:

- CONCRETE FOR BLOCKING SHALL BE CLASS "B".
- ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE OF 200 PSI FOR DUCTILE IRON, P.V.C., AND 150 PSI FOR CONCRETE PIPE.
- VOLUMES OF THRUST BLOCKS ARE NET VOLUMES OF CONCRETE TO BE FURNISHED. THE CORRESPONDING WEIGHT OF THE CONCRETE (CLASS "B") IS EQUAL TO OR GREATER THAN THE VERTICAL COMPONENT OF THE THRUST ON THE VERTICAL BEND.
- WALL THICKNESS (T) ASSUMED HERE FOR ESTIMATING PURPOSES ONLY.
- POUR CONCRETE FOR BLOCK AGAINST UNDISTURBED EARTH.
- DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD CONDITIONS WHERE AND AS DIRECTED BY THE ENGINEER. THE VOLUME OF CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.
- THE SOIL BEARING PRESSURES ARE BASED ON 1000 LBS./S.F. IN SOIL AND 2000 LBS./S.F. IN ROCK.
- USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND BEND, TEE, OR PLUG TO PREVENT THE CONCRETE FROM STICKING TO IT.
- CONCRETE SHALL NOT EXTEND BEYOND JOINTS.

DATE: JUNE 2015

STANDARD DETAIL: 200

CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
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HORIZONTAL THRUST BLOCK AT TEES AND PLUGS

I.D. (IN.)	THRUST (TONS)	EARTH		ROCK	
		A (FT.)	B (FT.)	A (FT.)	B (FT.)
4,6,8	5.1	1.5	2.5	0.3	2.0
10,12	11.3	1.5	3.5	0.6	2.5
16,18	25.5	2.0	5.5	1.6	4.0
20	31.5	2.0	6.0	1.9	4.0
24	45.2	2.5	7.0	3.1	5.0
30	53.0	3.0	7.5	4.1	5.5
36	76.3	4.0	9.0	7.3	6.5
42	104.0	4.5	10.5	11.0	7.5
48	138.9	5.0	12.0	15.8	8.7
54	172.0	5.5	13.5	21.4	9.5
60	212.0	6.0	15.0	28.4	10.5
66	257.0	6.5	16.5	36.8	11.5
72	305.0	7.5	17.5	47.2	12.5
78	358.0	8.0	19.0	58.9	13.5
84	416.0	8.5	20.5	72.3	14.5
90	477.0	9.0	22.0	87.7	15.5
96	543.0	9.5	23.5	104.8	16.5

TABLES OF DIMENSIONS AND QUANTITIES
HORIZONTAL THRUST BLOCK AT PIPE BEND

I.D. (IN.)	G (FT.)	THRUST (TONS)	EARTH			ROCK			I.D. (IN.)	G (FT.)	THRUST (TONS)	EARTH			ROCK		
			A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)				A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)
4,6,8	1.0	2.6	2.0	1.5	0.2	1.0	1.5	0.1	4,6,8	1.5	3.9	2.0	2.0	0.2	1.5	1.5	0.1
10,12	1.5	5.9	2.5	2.5	0.3	2.0	1.5	0.2	10,12	2.2	8.7	3.5	2.5	0.5	2.0	2.5	0.3
16,18	2.2	13.2	3.5	4.0	0.8	2.5	3.0	0.4	16,18	3.2	19.5	4.5	4.5	1.2	3.0	3.5	0.6
20	2.4	16.3	4.5	4.0	1.0	3.0	3.0	0.5	20	3.6	24.1	5.5	4.5	1.5	3.5	3.5	0.7
24	2.9	23.4	6.0	4.0	1.4	3.5	3.5	0.7	24	4.3	34.6	8.0	4.5	2.3	4.5	4.0	1.1
30	3.6	27.5	6.5	5.0	1.9	3.5	4.0	0.9	30	5.4	40.6	8.5	5.0	3.2	5.5	4.0	1.6
36	4.4	39.5	7.0	6.0	3.4	4.5	4.5	1.6	36	6.5	58.5	10.0	6.0	5.3	6.5	4.5	2.8
42	5.1	53.8	8.0	7.0	5.1	5.5	5.0	2.5	42	7.5	79.6	11.5	7.0	8.1	8.0	5.0	4.2
48	5.8	70.3	9.0	8.0	7.4	6.0	6.0	3.7	48	8.6	104.0	13.0	8.0	11.9	9.0	6.0	6.3
54	6.5	89.0	10.0	9.0	10.3	7.0	6.5	5.3	54	9.7	131.5	15.0	9.0	17.1	10.5	6.5	8.9
60	7.3	110.0	11.0	10.0	13.9	7.5	7.3	6.0	60	10.7	162.4	16.5	10.0	23.1	11.0	7.5	12.0
66	8.0	132.9	12.5	11.0	18.9	8.5	8.0	9.6	66	11.8	196.5	18.0	11.0	30.1	12.0	8.5	16.2
72	8.7	158.2	13.5	12.0	24.0	9.0	9.0	12.3	72	12.9	233.9	19.5	12.0	38.6	14.0	8.5	20.7
78	9.4	185.6	14.5	13.0	30.0	10.0	9.5	15.6	78	13.9	274.5	21.5	13.0	49.8	14.5	9.5	25.9
84	10.1	215.3	15.5	14.0	37.1	10.5	10.5	19.5	84	15.0	318.4	23.0	14.0	61.2	15.5	10.5	32.6
90	10.9	247.1	16.5	15.0	45.0	11.5	11.0	23.9	90	16.1	365.5	24.5	15.0	74.5	17.5	10.5	39.6
96	11.6	281.2	18.0	16.0	55.5	12.5	11.5	28.9	96	17.1	415.6	26.0	16.0	89.5	18.5	11.5	48.5

DATE: JUNE 2015

STANDARD DETAIL: 201

CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
 516 Ranch House Road • Willow Park, Texas 76087
 Phone: 817-441-7108 • Fax: 817-441-6900

REVISIONS:

CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
 516 Ranch House Road
 Willow Park, Texas 76087
 Phone: 817-441-7108 - Fax: 817-441-6900

CITY OF WILLOW PARK, TEXAS
STANDARD DETAILS

NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.

DATE: JUNE 2015

STANDARD DETAIL: 200

NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.

DATE: JUNE 2015

STANDARD DETAIL: 201

NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.

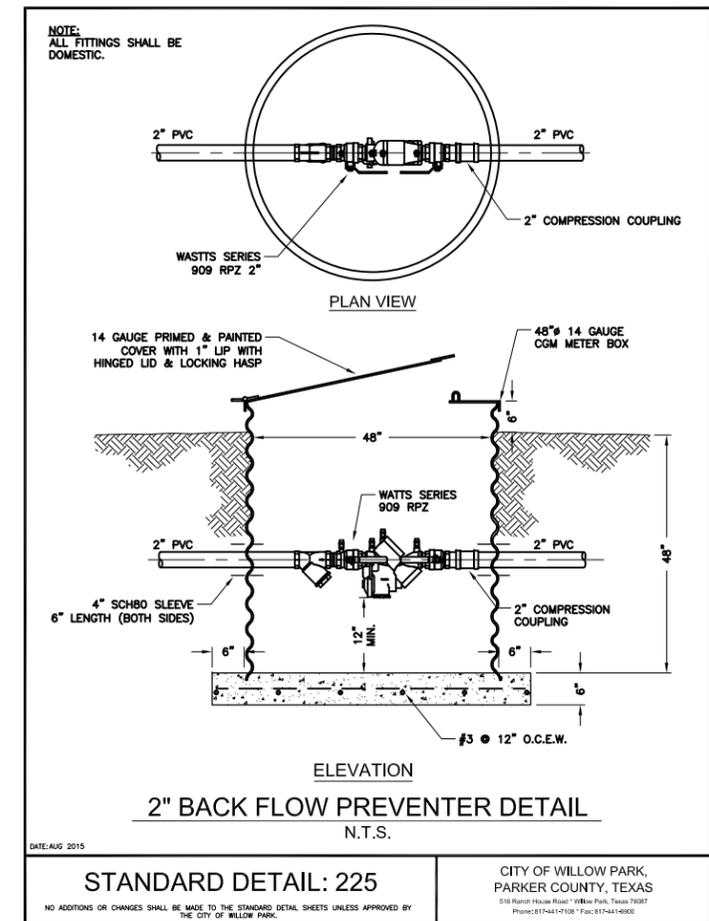
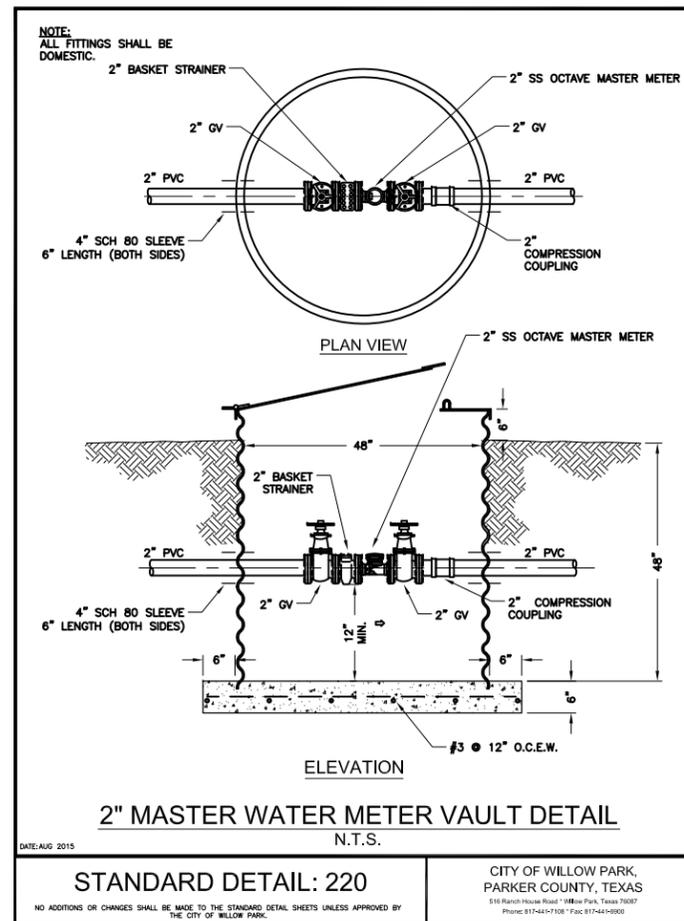
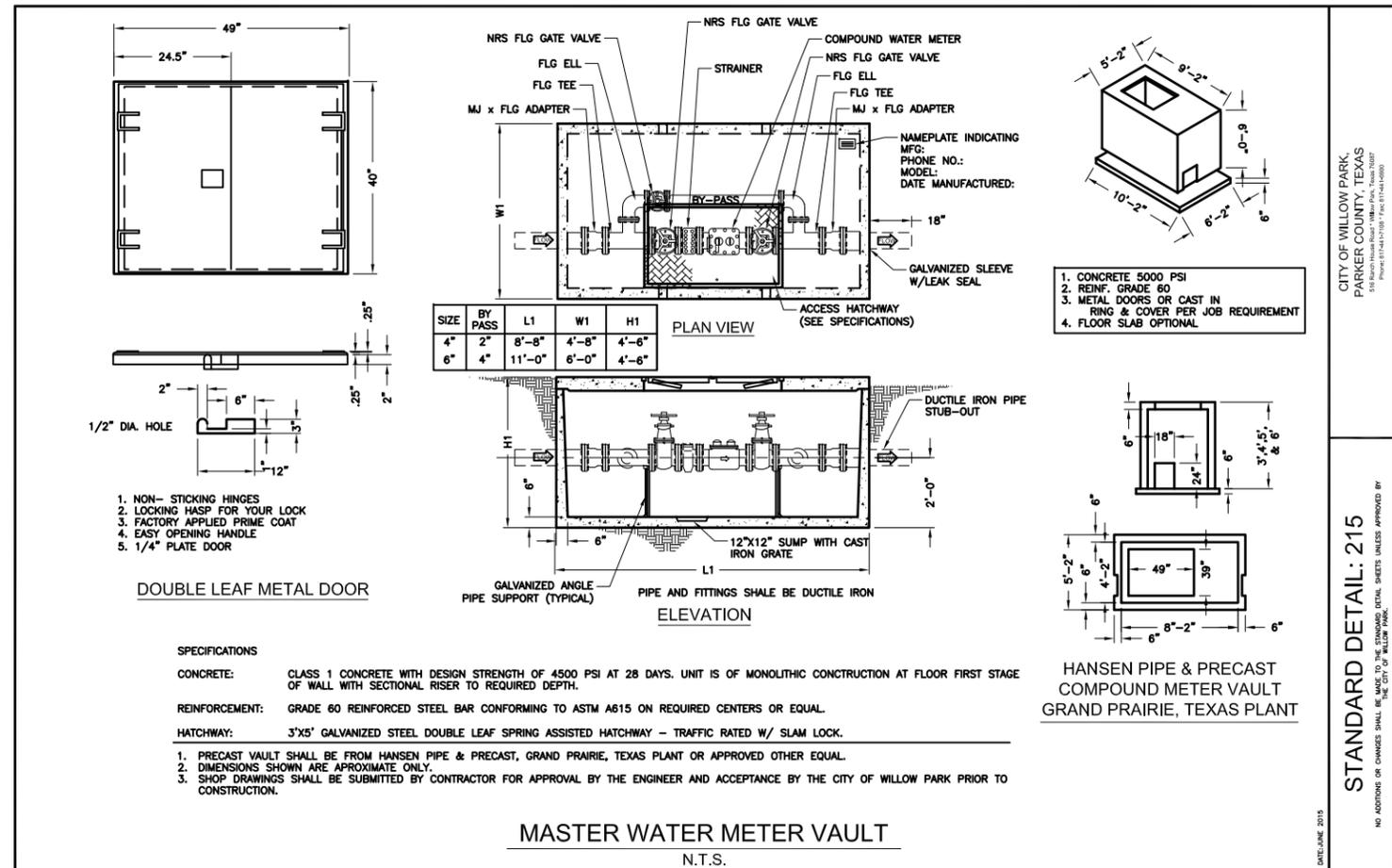
DATE: JUNE 2015

22x34 SCALE:
 N.T.S.
 1 1/4" = 1'-0"

SHEET TITLE:
 WATER DETAILS

SHEET NO.: C-W02

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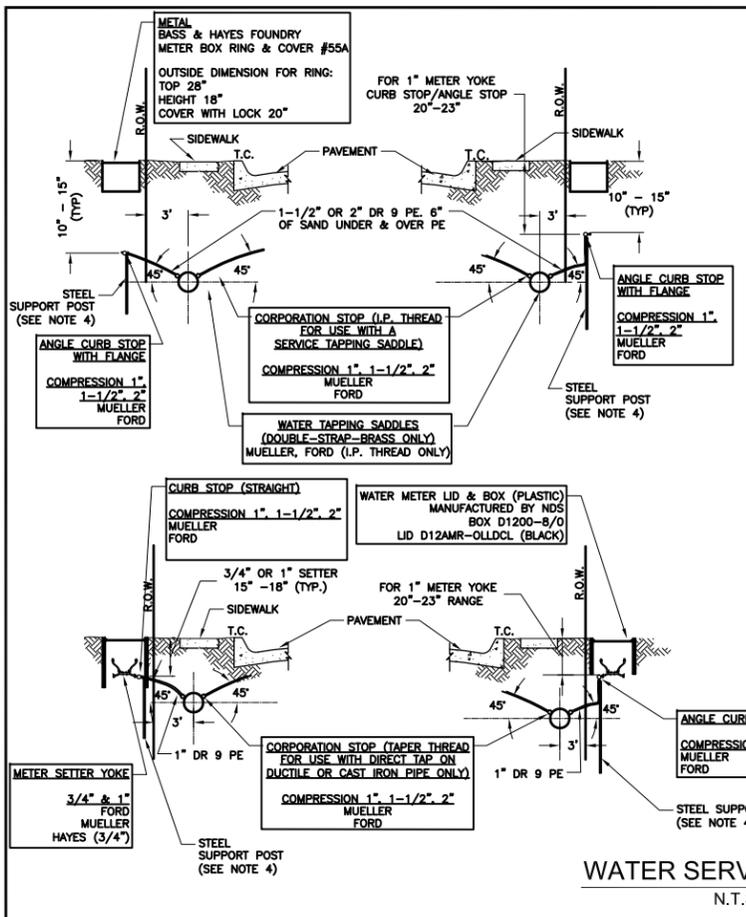
CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
516 Ranch House Road
Willow Park, Texas 76087
Phone: 817-441-7108 - Fax: 817-441-6900

CITY OF WILLOW PARK, TEXAS
STANDARD DETAILS

NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.	22x34 SCALE: N.T.S.	N.T.S.
	11x17 SCALE: N.T.S.	N.T.S.
	DATE: AUG 2015	DATE: AUG 2015
	DRAWN: X.X.X.	DRAWN: X.X.X.
	CHECKED: X.X.X.	CHECKED: X.X.X.
	APPROVED: X.X.X.	APPROVED: X.X.X.
SHEET TITLE:	WATER DETAILS	
SHEET NO.:	C-W03	

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REVISIONS:



WATER METER LID AND BOX

MANUFACTURED BY NDS

MISCELLANEOUS METER FITTINGS (PROVIDED BY CONTRACTOR)

3/4" METER INSTALLATIONS:

- 1" TO 3/4" BRASS PIPE THREAD REDUCER (ANY BRAND).
- 3/4" x 3" BRASS NIPPLE (ANY BRAND)
- FOR 1" ANGLE STOPS: 1-1/4" x 3/4" WATER METER BUSHINGS. ACCEPTABLE BRANDS: FORD OR APPROVED EQUAL BRAND.
- ONE PLASTIC WATER METER BOX AND LID, NDS BRAND.

1" METER INSTALLATIONS:

- 1" x 3" BRASS NIPPLE (ANY BRAND).
- FOR 1" ANGLE STOPS: 1-1/4" x 1" WATER METER BUSHINGS. ACCEPTABLE BRANDS: JONES, MUELLER, AND FORD.
- ONE PLASTIC WATER METER BOX AND LID, NDS BRAND.

1-1/2" & 2" METER INSTALLATIONS:

- 3" LONG BRASS NIPPLE (ANY BRAND)
- 2 BOLT METER FLANGE: ALL BRASS WITH FEMALE PIPE THREAD CONNECTIONS (ANY BRAND).
- 28" x 18" GALVANIZED METER BOX WITH UTILITY KEY LOCK.
- BASS & HAYES #55A

NOTES:

- DIMENSIONS SHOWN ARE APPROXIMATE.
- FLARE FITTINGS ARE NOT ALLOWED.
- CENTER METER IN PARKWAY BETWEEN SIDEWALK AND BACK OF CURB. DO NOT PLACE BOX IN SIDEWALK.
- A STEEL POST MUST BE USED FOR SUPPORT. ATTACH SERVICE LINE TO POST WITH NYLON ZIP TIES. THE POST MUST BE OF SUFFICIENT LENGTH TO SUPPORT THE CURB STOP.

CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
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STANDARD DETAIL: 240
NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.

CITY OF WILLOW PARK, TEXAS

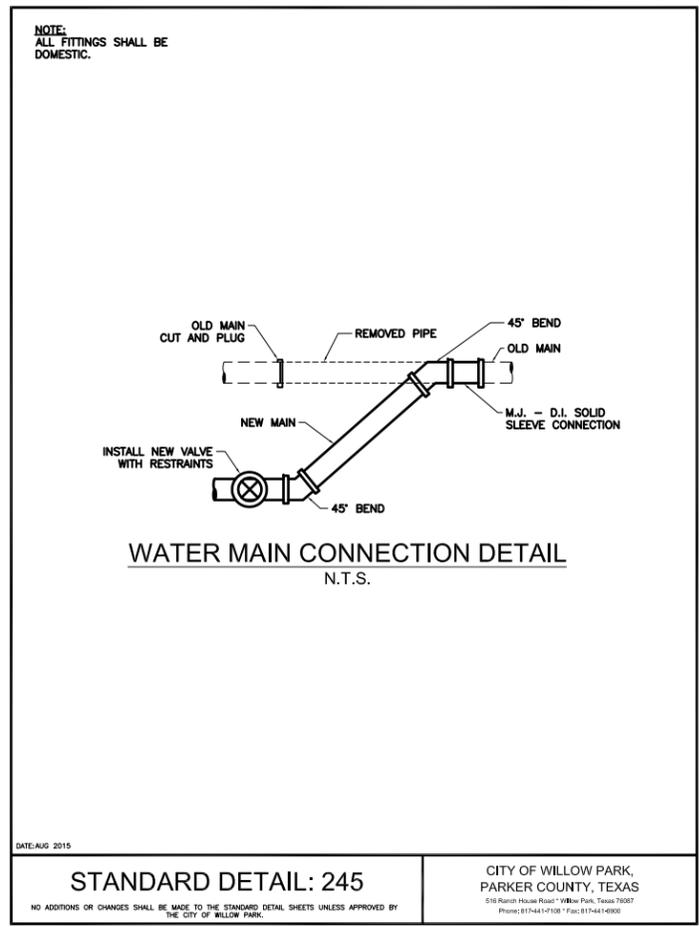
STANDARD DETAILS

22x34 SCALE:	N.T.S.
11x17 SCALE:	N.T.S.
DATE:	AUG 2015
DRAWN:	X.X.X.
CHECKED:	X.X.X.
APPROVED:	X.X.X.

NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.

SHEET TITLE:
WATER DETAILS

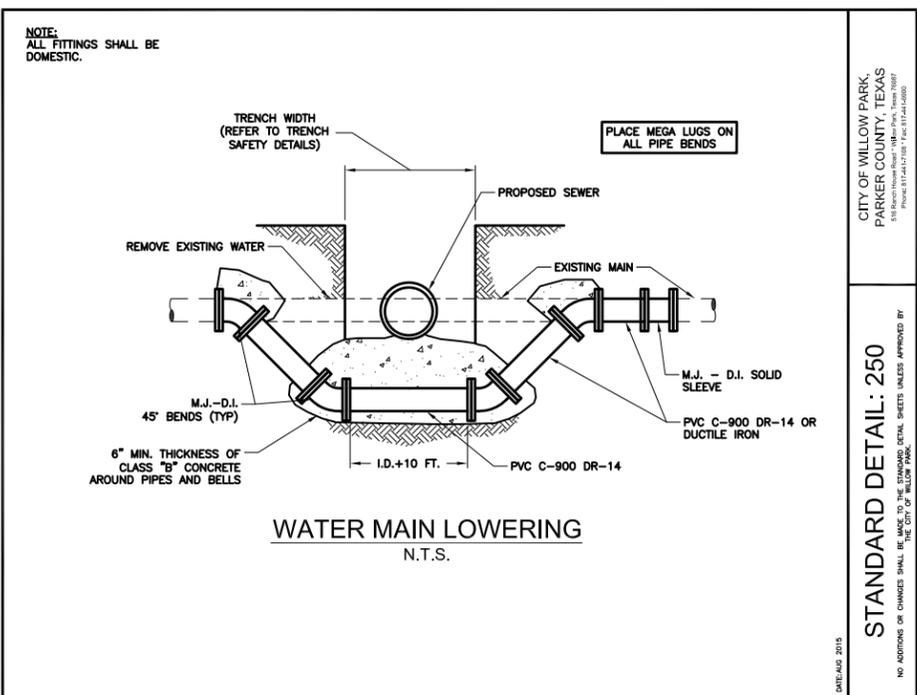
SHEET NO.: C-W04



STANDARD DETAIL: 245

CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
516 Ranch House Road Willow Park, Texas 76087
Phone: 817-441-7108 Fax: 817-441-6900

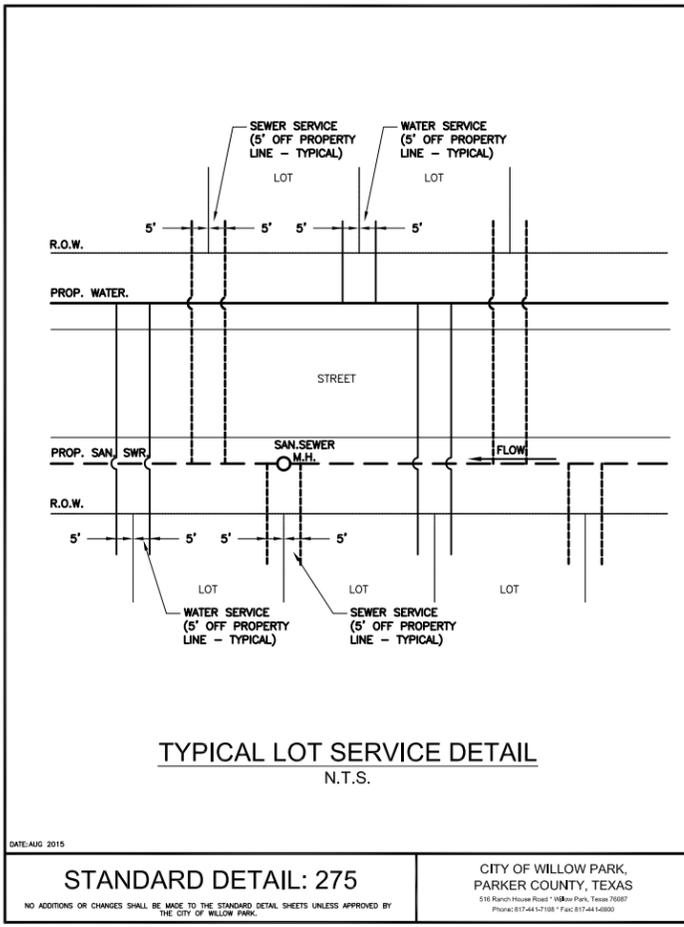
NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.



STANDARD DETAIL: 250

CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
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NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.



STANDARD DETAIL: 275

CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
516 Ranch House Road Willow Park, Texas 76087
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NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.

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NOTE:
ALL FITTINGS SHALL BE DOMESTIC.

UTILITY SUPPORT DETAIL
N.T.S.

DATE: AUG 2015

STANDARD DETAIL: 265	CITY OF WILLOW PARK, PARKER COUNTY, TEXAS 516 Ranch House Road • Willow Park, Texas 76087 Phone: 817-441-7108 • Fax: 817-441-6900
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CASING DIAMETER	MINIMUM WALL THICKNESS
12" OR LESS	0.25"
OVER 12" - 18"	0.3125"
OVER 18" - 22"	0.375"
OVER 22" - 28"	0.4375"
OVER 28" - 34"	0.5"
OVER 34" - 42"	0.5625"
OVER 42" - 48"	0.625"
OVER 48" - 60"	0.6875"

NOTES:
 1. WHERE A BORE PIT EXCEEDS 5 FEET IN DEPTH THE CONTRACTOR SHALL INSTALL SHORING OF THE PIT WALLS AS REQUIRED BY OSHA.
 2. WHERE A BORE IS TO BE PARTIALLY OR COMPLETELY ABANDONED, SAID BORE SHALL BE COMPLETELY FILLED WITH HYDRAULICALLY PLACED CEMENT GROUT.
 3. CASING SHALL BE EXTENDED TO THE RIGHT-OF-WAY LINE FOR STATE HIGHWAY AND RAILROAD CROSSINGS.
 4. THE EDGE OF BORE PIT SHALL BE A MINIMUM OF 4' BEHIND THE BACK OF CURB OR EDGE OF PAVEMENT.
 5. STEEL CASING PIPE SHALL HAVE A MINIMUM YIELD STRENGTH OF 35 KSI.

BORE AND CASING DETAIL
N.T.S.

DATE: JUNE 2015

STANDARD DETAIL: 270	CITY OF WILLOW PARK, PARKER COUNTY, TEXAS 516 Ranch House Road • Willow Park, Texas 76087 Phone: 817-441-7108 • Fax: 817-441-6900
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ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF NCTCOG DESIGN STANDARDS.

SPECIAL NOTES:

- WATER MAINS SHALL HAVE THE FOLLOWING MINIMUM COVER BELOW STREET GRADES: 6" MAIN = 3.5' COVER, 8" MAIN = 4.0' COVER, 12" MAIN = 5.0' COVER, LARGER MAINS = AS SHOWN ON PLANS.
- ALL RESIDENTIAL WATER SERVICES SHALL BE 1" MINIMUM.
- PLASTIC TAPE FOR SERVICES SHALL BE ATTACHED TO THE ENDS OF ALL SERVICES LINES AND EXTEND ABOVE GROUND LEVEL. THE TAPE SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - "ALLEN MARKING TAPE" OR EQUAL.
 - ROLL MARKED CONTINUOUSLY. "CAUTION SEWER LINE" OR "CAUTION WATER LINE".
 - SIX (6) INCHES IN WIDTH.
 - GREEN TAPE FOR SEWER SERVICES, BLUE TAPE FOR WATER SERVICES.
- LOCATE WATER SERVICES 10 FT. UPSTREAM OF SANITARY SEWER SERVICES.
- ALL STUB OUTS SHALL BE ONE FULL JOINT OF PIPE.
- REMOVER BLEEDER AND PLUG WITH BRASS PLUG.
- CONTRACTOR SHALL MEET (TCEQ) STANDARDS FOR SEPARATION OF WATER AND SEWER CONDUITS.
- CONTRACTOR SHALL SUPPLY ALL EQUIPMENT, LABOR, MATERIALS, AND ANY OTHER APPURTENANCES NECESSARY TO TEST WATER AND SEWER LINES TO CITY STANDARDS.
- ALL WATER AND SEWER MAINS SHALL BE INSTALLED IN THE PATHWAYS BETWEEN THE BACK OF CURB AND THE R.O.W. LINE.

SPECIAL NOTES

DATE: AUG 2015

STANDARD DETAIL: 280	CITY OF WILLOW PARK, PARKER COUNTY, TEXAS 516 Ranch House Road • Willow Park, Texas 76087 Phone: 817-441-7108 • Fax: 817-441-6900
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<p>ACCEPTED MATERIALS MANUFACTURERS</p> <p>GATE VALVES M & H CLOW</p> <p>RESILIENT SEATED GATE VALVE 4" THRU 12" MUELLER CLOW KENNEDY AFC AVK</p> <p>TAPPING SLEEVES M & H CLOW MUELLER AFC TYLER</p> <p>TAPPING VALVES M & H CLOW MUELLER AFC AVK</p> <p>FIRE HYDRANTS MUELLER #A423 M & H #129 CLOW #F2545 KENNEDY 5-1/4" K81D AVK #2700 WATEROUS #WB-67</p>	<p>ADJUSTABLE VALVE BOX WITH LID TYLER BASS & HAYES EAST JORDAN IRON WORKS</p> <p>VALVE BOX WITH LID FOR USE WITH C-900 P.V.C. VALVE STACK EAST JORDAN IRON WORKS TYLER BASS & HAYES</p> <p>STAINLESS STEEL WATERMAIN REPAIR CLAMP WITH OR WITHOUT SERVICE OUTLET MUELLER FORD</p> <p>APPROVED PIPE 4-12" C-900-DR 14 GREATER THAN OR EQUAL TO 14" C-905-DR 18 CLASS 200, DR 14 DUCTILE IRON: CLASS 50 & 51 WITH MECHANICAL JOINT ACCESSORIES CEMENT LINED.</p> <p>APPROVED FITTINGS MADE IN USA ONLY</p> <p>COMBINATION AIR VALVES STANDARD, SINGLE- BODY DOUBLE ORIFICE 1" THRU 6"; APCO OR APPROVED EQUAL</p> <p>GATE VALVES FOR COMBINATION AIR VALVES: 1" THRU 2" NIBCO # T-131; # T-133, OR APPROVED EQUAL</p> <p>NOTE: ALL FITTINGS SHALL BE DOMESTIC.</p>	<p>CITY OF WILLOW PARK, PARKER COUNTY, TEXAS 516 Ranch House Road • Willow Park, Texas 76087 Phone: 817-441-7108 • Fax: 817-441-6900</p>
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STANDARD DETAIL: 285

NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.

DATE: AUG 2015

WATER SYSTEM
ACCEPTED MATERIAL MANUFACTURERS
N.T.S.

REVISIONS:

CITY OF WILLOW PARK, PARKER COUNTY, TEXAS
516 Ranch House Road
Willow Park, Texas 76087
Phone: 817-441-7108 - Fax: 817-441-6900

CITY OF WILLOW PARK, TEXAS
STANDARD DETAILS

22x34 SCALE:	N.T.S.
11x17 SCALE:	N.T.S.
DATE:	AUG 2015
DRAWN:	X.X.X.
CHECKED:	X.X.X.
APPROVED:	X.X.X.

NO ADDITIONS OR CHANGES SHALL BE MADE TO THE STANDARD DETAIL SHEETS UNLESS APPROVED BY THE CITY OF WILLOW PARK.

SHEET TITLE: WATER DETAILS

SHEET NO.: C-W05