

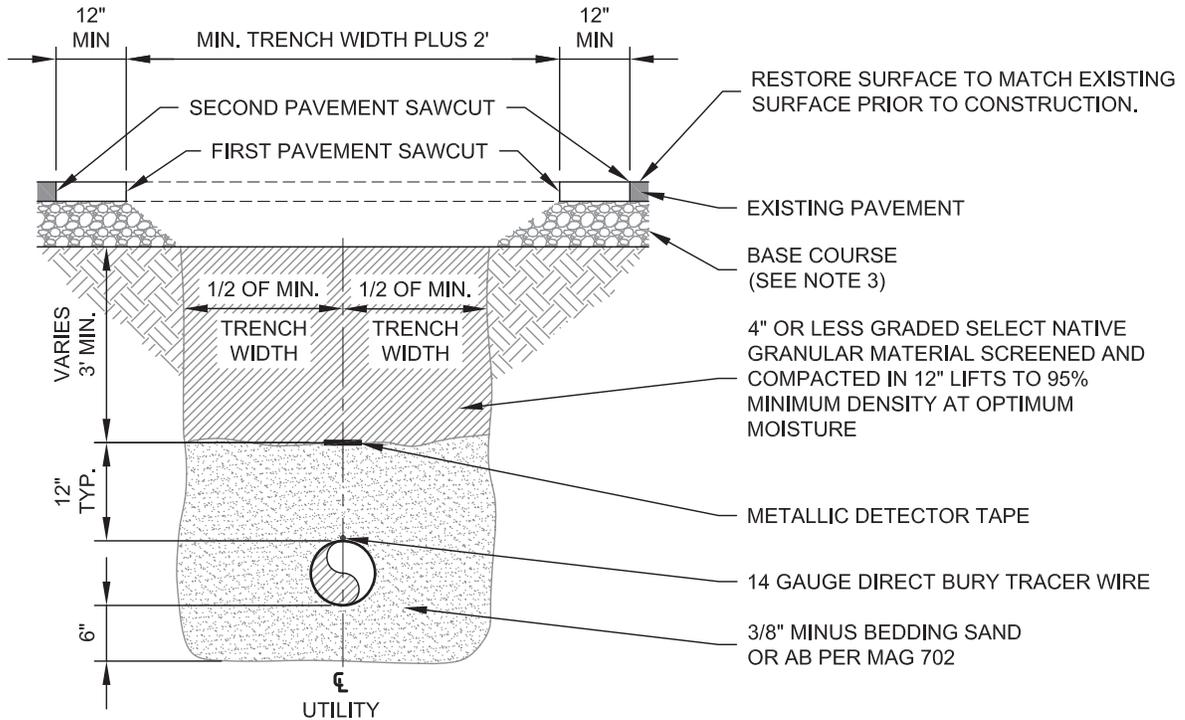


LAKE HAVASU CITY

**ENGINEERING
DIVISION**

**STANDARD
DETAILS**

2026 UPDATE

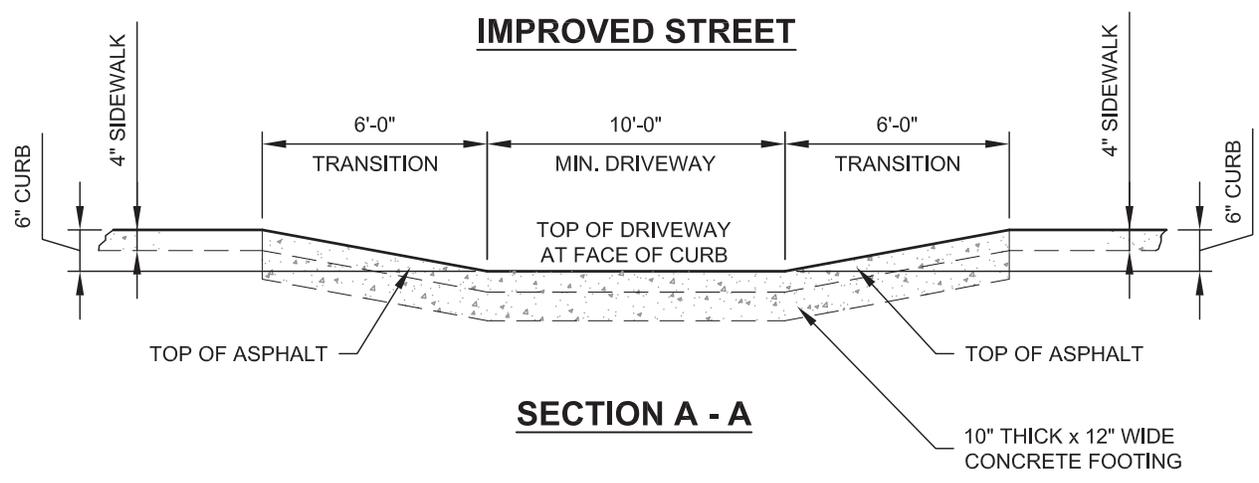
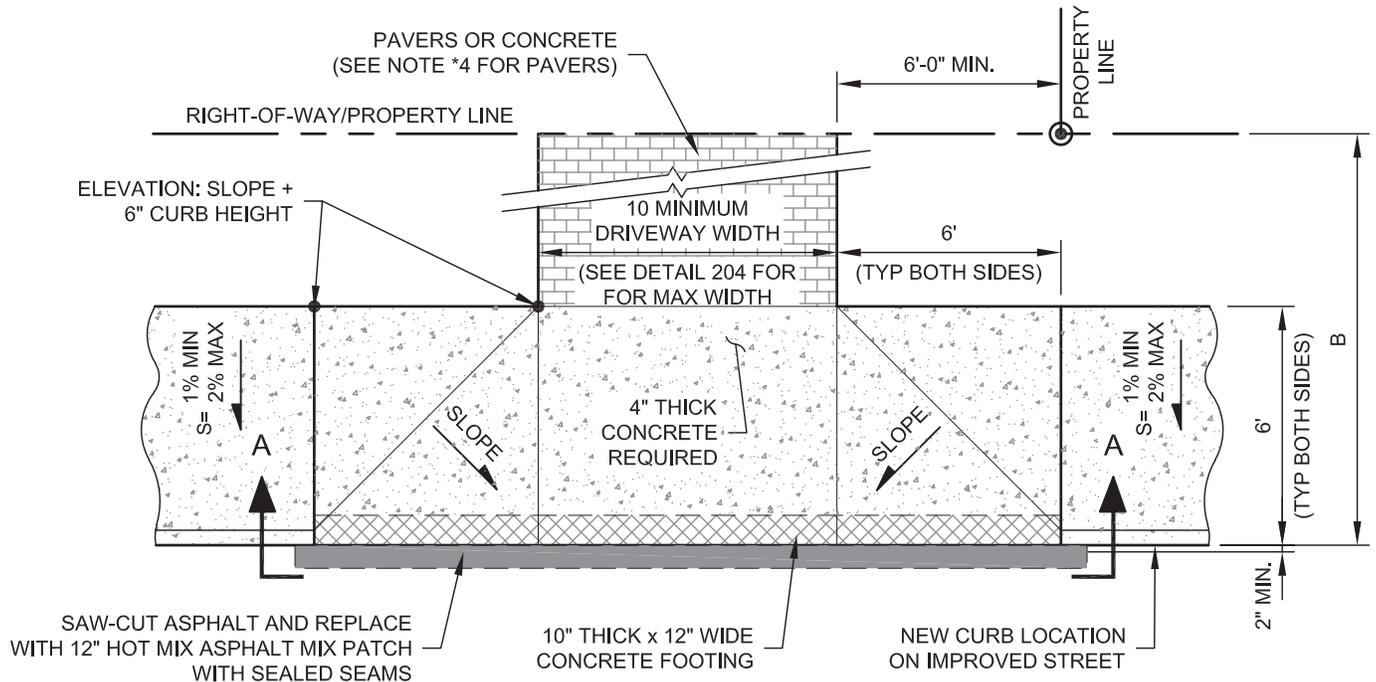


MINIMUM TRENCH WIDTH TABLE				
PIPE DIAMETER	MINIMUM WIDTH	MINIMUM BETWEEN FIRST SAWCUTS	MINIMUM BETWEEN SECOND SAWCUTS	CONCRETE PAVEMENT
<6 IN.	24"	2'	4'	SECOND SAWCUT SHALL BE AT EXISTING JOINTS, SEE NOTE #5
6 IN.	24"	4'-0"	6'-0"	
8IN.-12IN.	30"	4'-6"	6'-6"	
14IN.-18IN.	36"	5'	5'-0"	
20IN.-24IN.	42"	5'-6"	7'-6"	
24IN.-36IN.	1.25 (PIPE OD) PLUS 12IN.	MIN. WIDTH PLUS 2'	MIN. WIDTH PLUS 4'	SECOND SAWCUT SHALL BE AT EXISTING JOINTS, SEE NOTE #5
>36IN.	PER PLANS	MIN. WIDTH PLUS 2'	MIN. WIDTH PLUS 4'	

NOTES:

1. ALL SAWCUTS TO BE FULL DEPTH OF PAVEMENT.
2. PATCH MATERIAL SHALL MATCH THE EXISTING PAVEMENT MATERIAL (eg CONCRETE PAVEMENT SHALL BE PATCHED WITH CONCRETE AND EXISTING ASPHALT PAVEMENT WITH ASPHALT).
3. FOR ASPHALT PATCHES, BASE COURSE & ASPHALT CONCRETE THICKNESS IS TO MATCH EXISTING BUT IN NO CASE LESS THAN 0" BASE 3" ASPHALT CONCRETE.
4. ALL EXISTING VERTICAL ASPHALT JOINTS SHALL BE TACK COATED.
5. FINAL CONCRETE PAVEMENT REMOVALS SHALL BE TO THE NEAREST EXISTING JOINT (eg FULL PANEL REMOVAL AND REPLACEMENT).
6. TRENCHES ARE SHOWN TO DIAGRAM PATCHING REQUIREMENTS. TRENCHES SHALL BE CONSTRUCTED TO MEET OSHA REQUIREMENTS.
7. PAVEMENT REMOVAL BETWEEN FIRST AND SECOND SAW CUT SHALL BE REMOVED AT TIME OF HOT MIX PATCHING . DENSITY TESTING SHALL BE AT THE EXPENSE OF THE CONTRACTOR AND A COPY OF RESULTS SHALL BE PROVIDED TO THE CITY.
9. MONITOR & MAINTAIN SURFACE CONDITION AND PERFORM ASPHALT REPAIRS UNDER 1-YEAR WARRANTY PROVIDED THROUGH PERMIT.
10. ALL PATCH JOINTS SHOULD BE HENRY ASPHALT RESURFACER SEALED OR APPROVED EQUAL.

 <p>LAKE HAVASU CITY</p>	Standard Details	Utility Trench Patch	Scale: <u>N.T.S.</u>
	Roadway Improvements		Detail No. 200R



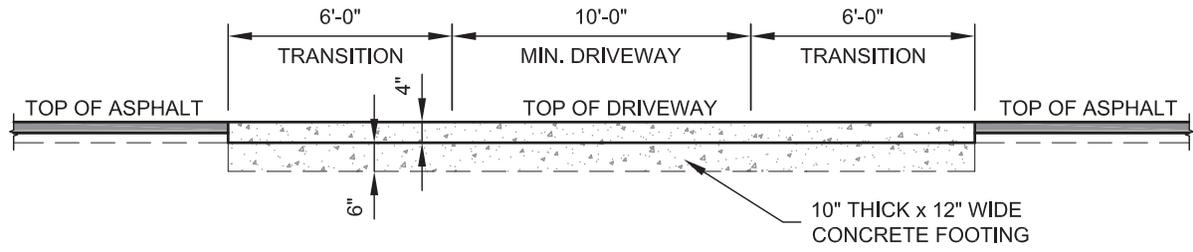
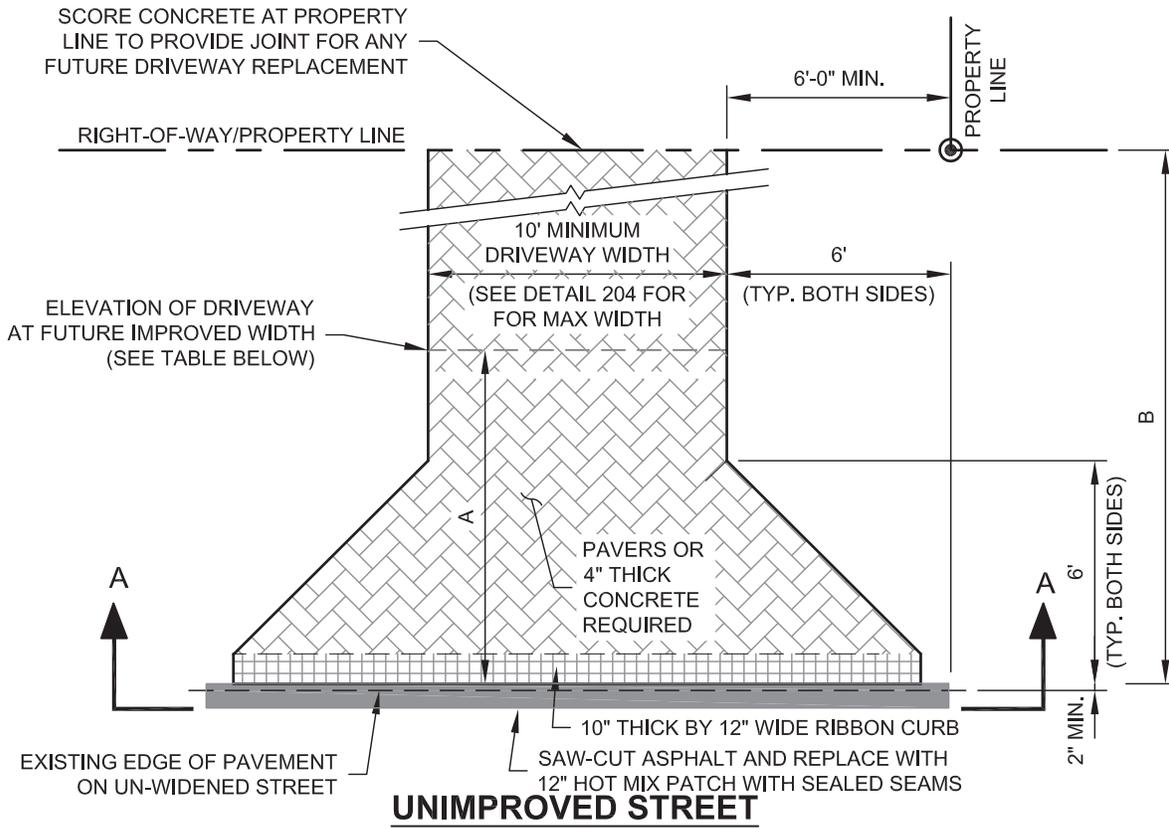
**DISTANCE & ELEVATION TABLE ('W' SECTION)
ABOVE EXISTING EDGE OF PAVEMENT AT 2% SLOPE
(BASED ON 12\"**

STREET	RISE	DISTANCE B
BOULEVARD	4"	15 FEET
AVENUE	3"	13 FEET
DRIVE	3"	9 FEET

NOTES:

1. ELEVATION AT PROPERTY LINE TO REMAIN 11" ABOVE EDGE OF STREET ON 'W' SECTIONS.
2. CONCRETE FOR STRUCTURES IN RIGHT-OF-WAY SHALL BE A 6 SACK PER CUBIC YARD MIX WITH A 4" MAXIMUM SLUMP AND BE ABLE TO PASS A 3,000 PSI COMPRESSIVE STRENGTH TEST AT 28 DAYS.
3. SIDEWALK CROSS-SLOPE (BACK OF SIDEWALK TO CURB) TO BE 1.5% MIN / 2% MAX.
- *4. PAVERS ALLOWED WITH 4" CRUSHED BASE AND 1" SAND WITH ENROACHMENT AGREEMENT.

	Standard Details	Modified Paver Driveway Detail Improved Street	Scale: <u>N.T.S.</u>
	Roadway Improvements		Detail No. 201A



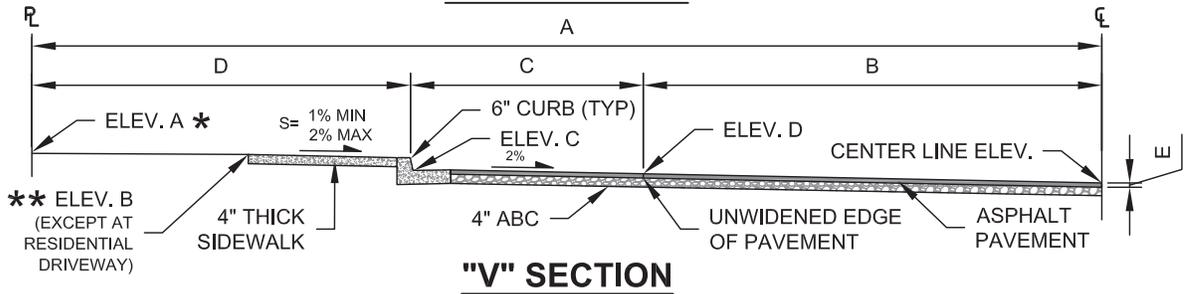
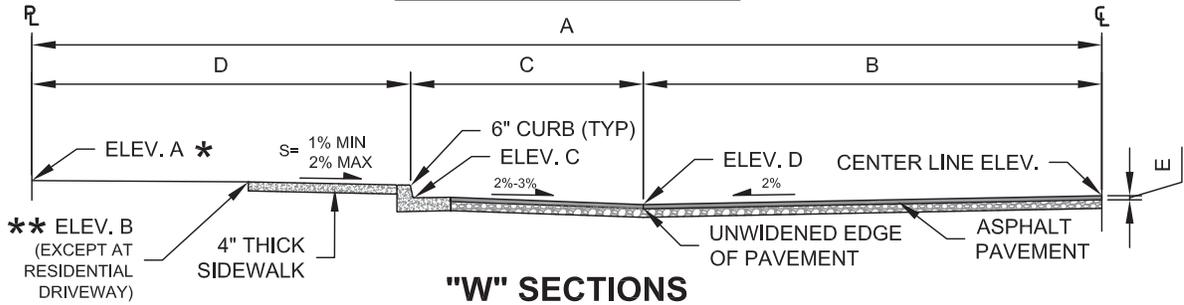
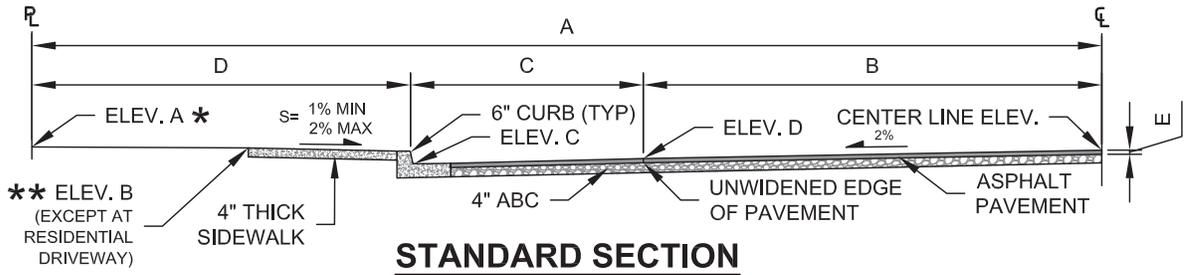
DISTANCE & ELEVATION TABLE ('W' SECTION)
ABOVE EXISTING EDGE OF PAVEMENT AT 2% SLOPE (BASED ON 12' EXISTING ASPHALT LANE)

STREET	DISTANCE 'A'	RISE	DISTANCE 'B'
BOULEVARD	15 FEET	4"	30 FEET
AVENUE	10 FEET	3"	23 FEET
DRIVE	9 FEET	3"	18 FEET

NOTES:

1. ELEVATION AT PROPERTY LINE TO REMAIN 11" ABOVE EDGE OF STREET ON 'W' SECTIONS.
2. CONCRETE FOR STRUCTURES IN RIGHT-OF-WAY SHALL BE A 6 SACK PER CUBIC YARD MIX WITH A 4" MAXIMUM SLUMP AND BE ABLE TO PASS A 3,000 PSI COMPRESSIVE STRENGTH TEST AT 28 DAYS.
3. SIDEWALK CROSS-SLOPE (BACK OF SIDEWALK TO CURB) TO BE 1.5% MIN / 2% MAX.
- * 4. PAVERS ALLOWED WITH 4" CRUSHED BASE & 1" SAND WITH ENCROACHMENT AGREEMENT.

	Standard Details	Modified Paver Driveway Unimproved Street	Scale: <u>N.T.S.</u>
	Roadway Improvements		Detail No. 202A



FINISHED ELEVATION
(SHOWN IN INCHES ABOVE (+) OR BELOW (-) CENTER LINE)

STREET	STANDARD SECTION				'W' SECTION				'V' SECTION			
	A (MIN)	B	C	D	A (MIN)	B	C	D	A (MIN)	B	C	D
BOULEVARD	+1.5"	+1"	-6.5"	-4.25"	+7"	+6.5"	-1"	-4.25"	+14.5"	+14"	+6.5"	+4.25"
AVENUE	+2.5"	+2"	-5.5"	-3"	+8.75"	+8.25"	+0.75"	-3"	+13.5"	+13"	+5.5"	+3"
DRIVE	+2.75"	+2.75"	-5.25"	-3"	+8.25"	+8"	+0.5"	-3"	+13.25"	+12.75"	+5.25"	+3"
CUL-DE-SAC	+3.5"	+3"	-4.5"	-3"	N/A	N/A	N/A	N/A	+12.5"	+12"	+4.5"	+3"

DIMENSIONS							*
STREET	R/W	A	B	C	D	E	
BOULEVARD	84'	42'★	18'★	9'	15'	3"	
AVENUE	70'	35'	12'	10'	13'	3"	
DRIVE	60'	30'	12'	9'	9'	3"	
CUL-DE-SAC	50'	25'	12'	6'	7'	3"	

* UNLESS OTHERWISE APPROVED BY ENGINEERING DIVISION.
 ** ELEVATION 'B' AT RESIDENTIAL DRIVEWAY TO BE ELEVATION 'C' + 6" OR EQUAL TO TOP OF CURB ELEVATION.
 ★ FIELD-VERIFY UNWIDENED PAVEMENT WIDTH. ADJUST DIMENSION 'B' AND 'C' ACCORDINGLY TO EQUAL 27' TOTAL.

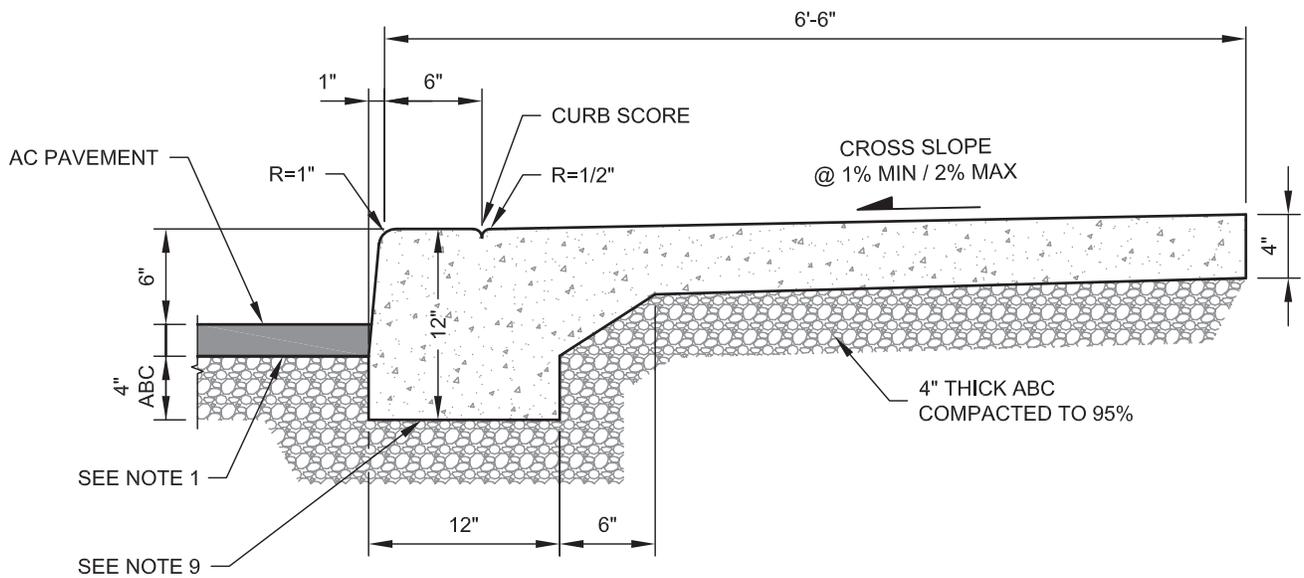
NOTES:

1. ALL PAVEMENT WIDENING MUST INCLUDE CURBS.
2. SEE DETAIL 213-216 FOR APPLICABLE CURB DETAIL.
3. "V" SECTION ONLY ALLOWED WITH PRIOR APPROVAL BY THE ENGINEERING DIVISION.
4. INDICATED CURBS, SIDEWALKS AND WIDENING MAY BE EITHER EXISTING OR FUTURE.
5. SIDEWALK CROSS-SLOPE (BACK OF SIDEWALK TO CURB) TO BE 1% MIN / 2% MAX.

SPECIAL NOTES:

1. ENGINEERING DIVISION TO DETERMINE STREET CROSS-SECTION.
2. MINIMUM ELEVATION AT PROPERTY LINE ALONG ENTIRE FRONTAGE OF LOT TO BE IN ACCORDANCE WITH ELEVATION 'A'.

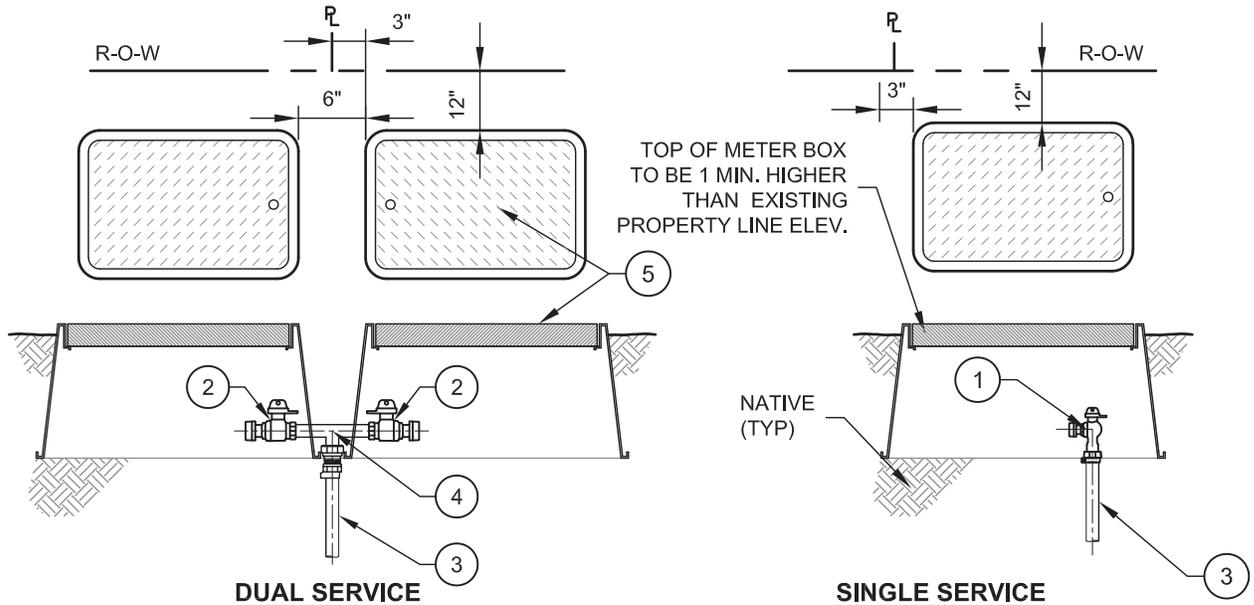
 LAKE HAVASU CITY	Standard Details	Standard Sections of Streets & Sidewalks	Scale: <u>N.T.S.</u>
	Roadway Improvements		Detail No. 203B R



NOTES:

1. FOR NEW INSTALLATION, ASPHALT SHALL BE PLACED AGAINST CONCRETE.
2. CONSTRUCTION JOINTS SHALL BE DEPRESSED ONE INCH.
3. SIDEWALK AND CURB PLACED MONOLITHICALLY.
4. APPROVED CLASS 'A' 3000 PSI CONCRETE.
5. APPROVED CURING PRACTICES, NO DIESEL.
6. EXPANSION JOINTS PLACED AT INTERVALS NOT TO EXCEED 100 FEET.
7. CURB CONTRACTION JOINTS CONSTRUCTED TO DEPTH OF ONE INCH AT 12-FOOT MAX INTERVALS. SIDEWALK CONTRACTION JOINTS REQUIRED AT 6-FOOT INTERVALS.
8. ANY ABOVE-GROUND APPURTENANCE SHALL BE LOCATED OR RELOCATED OUT OF SIDEWALK.
9. BOTTOM OF SIDEWALK CURB SHALL BE PLACED TO SAME SUB-BASE ELEVATION AS ROADWAY.

 <p>LAKE HAVASU CITY</p>	Standard Details	Alternate Sidewalk/Curb	Scale: <u>N.T.S.</u>
	Roadway Improvements		Detail No. 216 R

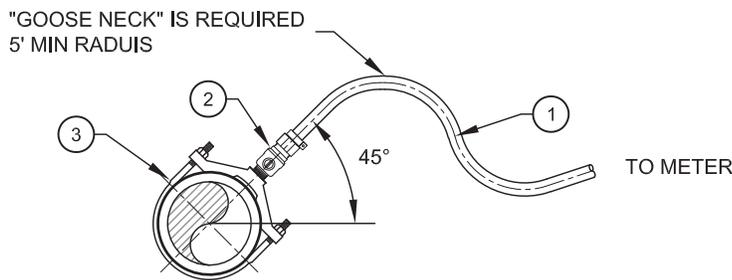


SERVICE TERMINATION DETAIL TABLE			
ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
①	1" ANGLE METER STOP	FORD BA43-342W-NL	OR EQUAL
②	1" BALL METER VALVE	FORD B13-332W-NL	OR EQUAL
③	1" POLY TUBING	MUNICIPEX WATER SERVICE PIPE	OR EQUAL
④	1" SERVICE TEE	FORD T884-334-9-NL	OR EQUAL
⑤	METER BOX	CARSON METER BOX 1220 (25 3/8"x19"x12") TRAFFIC RATED BOX USE CHRISTY MAG 2 (25 1/2"x 17 3/4"x12")	OR EQUAL

NOTE:

1. STAINLESS STEEL INSERTS MUST BE USED.
2. ALL SERVICES OVER 20 FEET IN LENGTH SHALL HAVE 2" SCH 40 SLEEVE.

SERVICE TERMINATION DETAILS



SERVICE CONNECTION DETAIL TABLE			
ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
①	1" POLY TUBING	MUNICIPEX WATER SERVICE PIPE	OR EQUAL
②	1" CORP STOP	FORD 1" FB1100-4-NL	OR EQUAL
③	1" x MAIN SIZE BRASS STRAP SADDLE	FORD 202B-xxx-IP4 (AC) OR S91-xx4 (C900) SADDLE W/ 1" IP THREAD	OR EQUAL

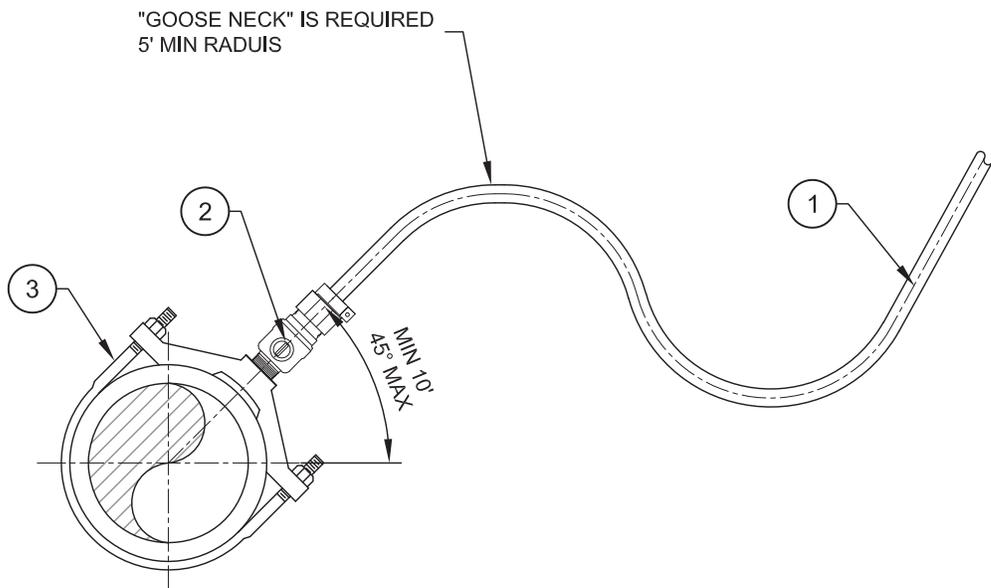
SERVICE CONNECTION DETAILS



Standard Details
Water Improvements

1" Service Connection

Scale: N.T.S.
Detail No.
301 R



SERVICE TAP

SERVICE TAP DETAIL TABLE			
ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
①	1" POLY TUBING	MUNICIPEX WATER SERVICE PIPE	OR EQUAL
②	1" CORP STOP	FORD FB1100-4-NL	OR EQUAL
③	1" x MAIN SIZE BRASS SADDLE	FORD 202B-xxx-IP4 (AC) OR S91-xx4 (C900) SADDLE W/ 1" IP THREAD	OR EQUAL

NOTE:

1. ALL PARTS ARE FROM FORD METER BOX COMPANY.
2. ALL ASSEMBLIES TO BE LOCATED WITHIN CITY RIGHT-OF-WAY.
3. STAINLESS STEEL INSERTS MUST BE USED.
4. ALL SERVICES OVER 20 FEET IN LENGTH SHALL HAVE 2" SCH 40 SLEEVE.
5. SEE DETAILS 301 FOR SERVICE TERMINATION DETAIL.



Standard Details

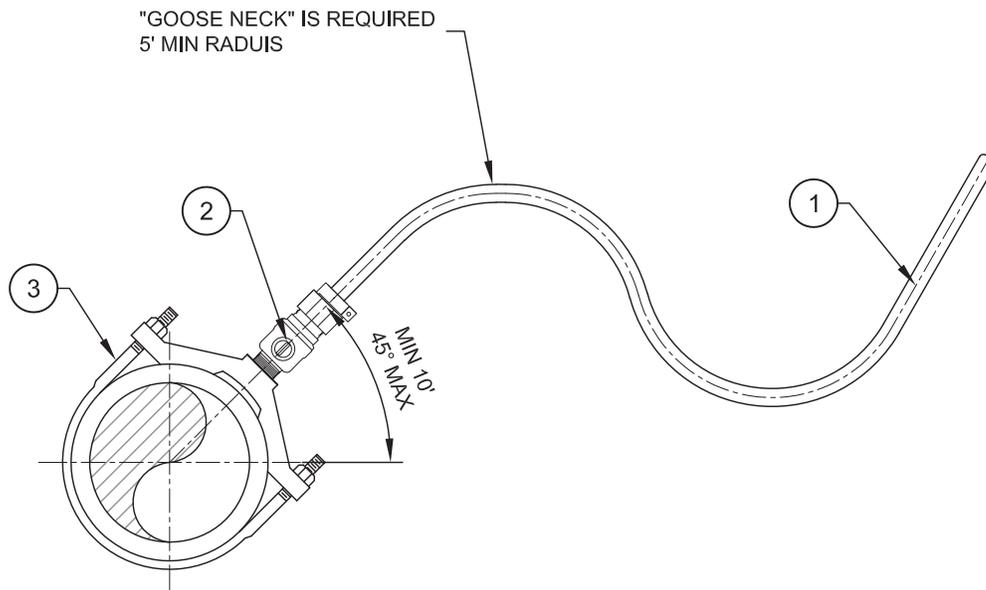
**Water
Improvements**

1" Service Tap

Scale: N.T.S.

Detail No.

303 R

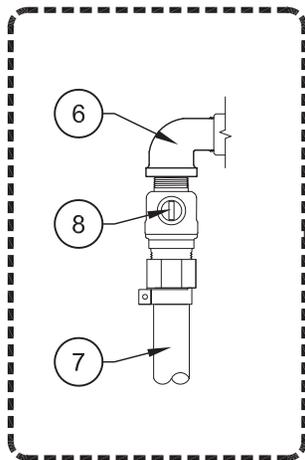


SERVICE TERMINATION DETAIL TABLE			
ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
①	1.5" or 2" POLY TUBING	MUNICIPEX WATER SERVICE PIPE	OR EQUAL
②	1.5" or 2" CORP STOP	FORD 1.5" FB1100-6-NL - 2" FB1100-7-NL	OR EQUAL
③	1.5" or 2" x MAIN SIZE BRASS SADDLE	FORD 202B-xxx-IP6 (AC) OR S91-xx6 (C900) SADDLE WITH IP THREAD FORD 202B-xxx-IP7 (AC) OR S91-xx7 (C900) SADDLE WITH IP THREAD	OR EQUAL

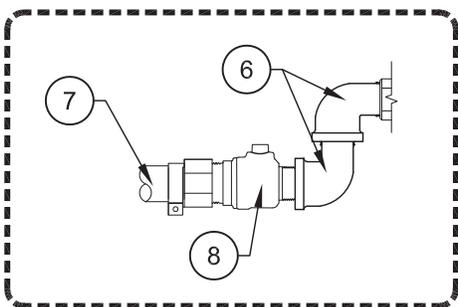
NOTE:

1. ALL PARTS ARE FROM FORD METER BOX COMPANY.
2. ALL ASSEMBLIES TO BE LOCATED WITHIN CITY RIGHT-OF-WAY.
3. STAINLESS STEEL INSERTS MUST BE USED.
4. ALL SERVICES OVER 20 FEET IN LENGTH SHALL HAVE 4" SCH 40 SLEEVE.

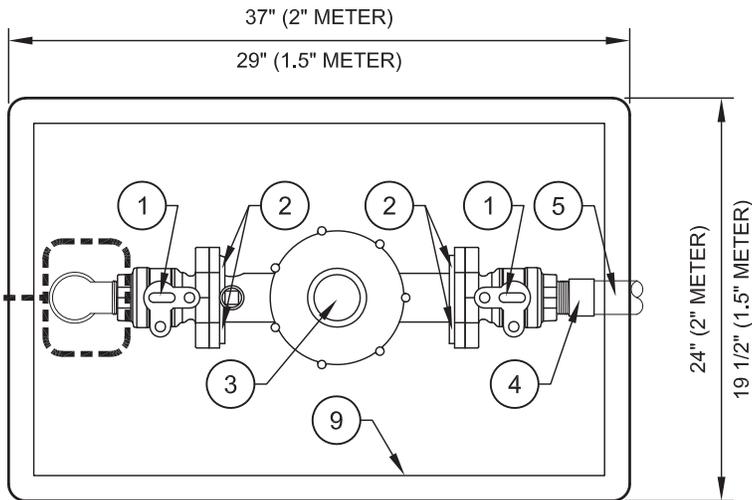
	Standard Details	1.5" - 2" Single Service Tap	Scale: <u>N.T.S.</u>
	Water Improvements		Detail No. 304 R



SIDE VIEW



(OPTIONAL) TOP VIEW



(OPTIONAL) - IF USED MUST USE BRASS 90° STREET ELBOWS

SERVICE METER DETAIL TABLE

ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
①	1.5" or 2" BALL METER VALVE	FORD 1.5" BF13-666W-NL - 2" BF13-777W-NL	OR EQUAL
②	BOLTS & NUTS	STAINLESS STEEL	
③	1.5" or 2" WATER METER	BADGER 1.5" M120-150LNSX-HL-GAXX - 2" M170-200LNSX-HL-GAXX	OR EQUAL
④	1.5" or 2" ADAPTOR	FORD C84 PACK JOINT OR PVC MALE ADAPTOR	OR EQUAL
⑤	1.5" or 2" POLY TUBING	MUNICIPEX WATER SERVICE PIPE	OR EQUAL
⑥	1.5" or 2" 90° STREET ELBOW	BRASS 90° STREET ELBOW	
⑦	1.5" or 2" POLY TUBING	MUNICIPEX WATER SERVICE PIPE	OR EQUAL
⑧	1.5" or 2" BALL CORP STOP VALVE	FORD 1.5" FB1100-6-NL - 2" FB1100-7-NL	OR EQUAL
⑨	METER BOX	CHRISTY FL36 MODEL 17x30 (37"x24"x18 7/16")	OR EQUAL

NOTE:

1. ALL PARTS ARE FROM FORD METER BOX COMPANY.
2. ALL ASSEMBLIES TO BE LOCATED WITHIN CITY RIGHT-OF-WAY.
3. STAINLESS STEEL INSERTS MUST BE USED.
4. ALL SERVICES OVER 20 FEET IN LENGTH SHALL HAVE 4" SCH 40 SLEEVE.
5. COMMERCIAL AND IRRIGATION WATER METERS REQUIRE APPROVED BACKFLOW PREVENTED ASSEMBLIES PER LAKE HAVASU CITY SPECIFICATIONS.



Standard Details

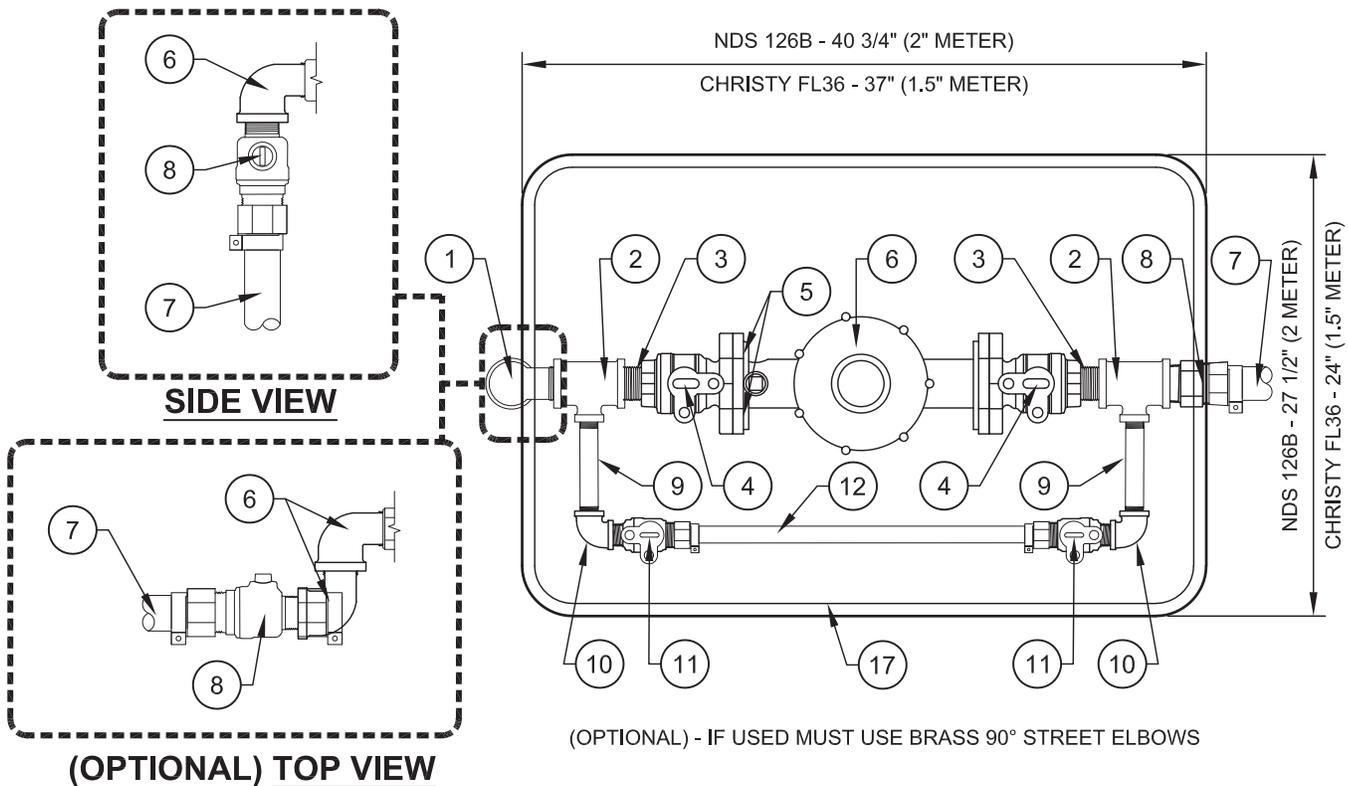
Water Improvements

1.5" & 2" Water Meter Assembly

Scale: N.T.S.

Detail No.

305 R



SERVICE METER DETAIL TABLE			
ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
①	1.5" or 2" 90°	BRASS 90° STREET ELBOW	
②	1.5"x1" or 2"x1" TEE	BRASS REDUCING TEE	
③	1.5" or 2" NIPPLE	BRASS NIPPLE (CLOSE)	
④	1.5" or 2" BALL METER VALVE	FORD 1.5" BF13-666W-NL - 2" BF13-777W-NL	OR EQUAL
⑤	BOLTS & NUTS	STAINLESS STEEL	
⑥	1.5" or 2" WATER METER	BADGER 1.5" M120-150LNSX-HL-GAXX - 2" M170-200LNSX-HL-GAXX	
⑦	1.5" or 2" POLY TUBING	MUNICIPEX WATER SERVICE PIPE	OR EQUAL
⑧	1.5" or 2" ADAPTOR	FORD C84 PACK JOINT OR PVC MALE ADAPTOR	
⑨	1" NIPPLE	BRASS 6" NIPPLE	
⑩	1" 90° ELBOW	BRASS 90° ELBOW	
⑪	1" CURB STOP	FORD 1" B84-444W-NL	OR EQUAL
⑫	1" POLY TUBING	MUNICIPEX WATER SERVICE PIPE	OR EQUAL
⑭	1.5" or 2" BALL CURB VALVE	FORD 1.5" FB1100-6-NL - 2" FB100-7-NL	OR EQUAL
⑮	1.5" or 2" POLY TUBING	MUNICIPEX WATER SERVICE PIPE	OR EQUAL
⑯	METER BOX	FOR 1.5" ASSEMBLY CHRISTY FL36 MODEL 17"x30" (37"x24"x18 7/16") FOR 2" ASSEMBLY NDS 126B W/ COVER (40 3/4"x27 1/2"x18")	OR EQUAL

NOTES:

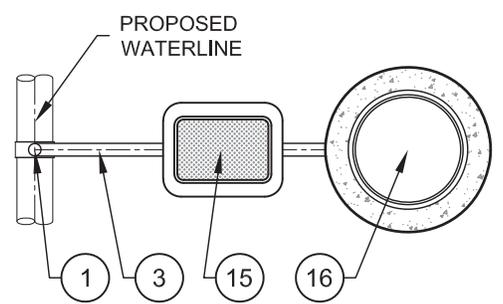
- RESIDENTIAL DOMESTIC WATER METERS REQUIRE CHECK VALVES ON OUTLET SIDE OF METER. COMMERCIAL AND IRRIGATION WATER METERS REQUIRE APPROVED BACKFLOW PREVENTED ASSEMBLIES PER L.H.C. SPECIFICATIONS.
- ALL PARTS ARE FROM FORD METER BOX COMPANY.
- ALL ASSEMBLIES TO BE LOCATED WITHIN CITY RIGHT-OF-WAY.
- STAINLESS STEEL INSERTS MUST BE USED.
- ALL SERVICES OVER 20 FEET IN LENGTH SHALL HAVE 2" SCH 40 SLEEVE FOR 1" AND 4" SCH 40 SLEEVE FOR 1.5" AND 2" ASSEMBLY.



Standard Details
Water Improvements

1.5" & 2"
Water Meter Bypass Assembly

Scale: N.T.S.
Detail No.
306 R

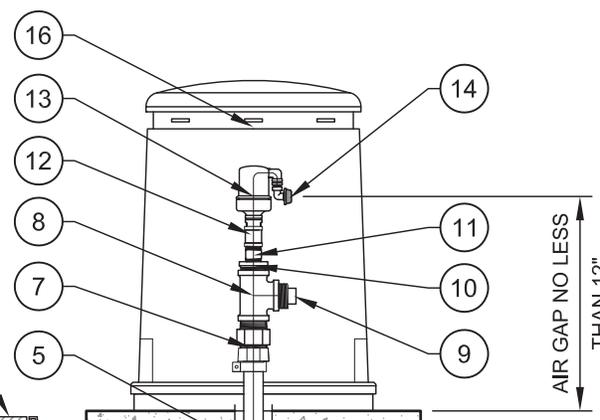


PLAN VIEW

TOP OF VALVE BOX TO BE 1" MIN. HIGHER THAN EXISTING PROPERTY LINE ELEV.

FINISH GRADE

R-O-W



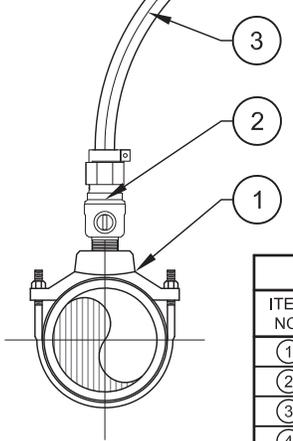
AIR GAP NO LESS THAN 12"

28" Ø x 4 THK. CONCRETE PAD CLASS 'B' (2500 PSI)

3" PVC SLEEVE

NOTE:

1. WRAP ALL COPPER & BRASS WITH 8 MIL POLY WRAP.
2. COMPACT SUB-GRADE UNDER VALVE & ARV ENCLOSURE PAD.
3. IF BLOWOFF IS NOT USED ELIMINATE ITEMS 8 & 9.



1" COMBINATION AIR/VAC - 2" BLOW OFF DETAIL TABLE

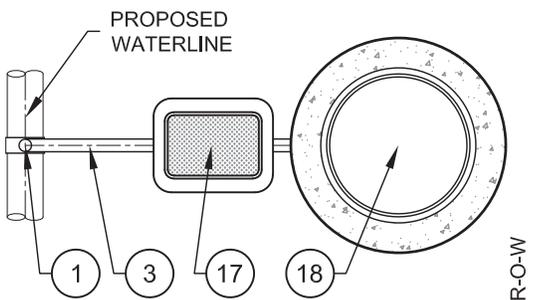
ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS
①	2" x MAIN SIZE BRASS SADDLE	FORD 202B-xxx-IP4 (AC) OR S91-xx4 (C900) SADDLE WITH IP THREAD
②	2" CORP STOP	FORD FB1100-7-NL
③	2" POLY TUBING	MUNICIPEX WATER SERVICE PIPE OR APPROVED EQUAL
④	2" CURB STOP	FORD B44-777-NL
⑤	2" COPPER TUBE	COPPER TYPE "K" SLEEVED WITH 8 MIL. POLY WRAP
⑥	2" PACK JOINT ELL COUPLING	FORD L44-77-NL
⑦	2" PACK JOINT COUPLING	FORD C84-77-NL
⑧	2" TEE	BRASS TEE
⑨	2" PLUG	BRASS PLUG MIPT
⑩	2"x1" REDUCING BUSHING	BRASS REDUCING BUSHING 2" MIPT x 1" FIPT
⑪	1" NIPPLE	BRASS NIPPLE 1x2
⑫	1" COUPLING	BRASS COUPLING 1" FIPT x FIPT
⑬	1" ARV	ARI D-040 COMBINATION AIR/VACUUM RELEASE VALVE
⑭	3/8" SCREEN	BUG SCREEN 40 MESH
⑮	VALVE BOX	CARSON 1419 VALVE BOX (20 7/8"x15 3/4"x12") TRAFFIC RATED BOX USE CHRISTY MAG 2 (25 1/2"x 17 3/4"x12")
⑯	POLYETHYLENE ENCLOSURE	PIPELINE PRODUCTS ADVANTAGE SERIES ENCLOSURE (VCAS-1830)



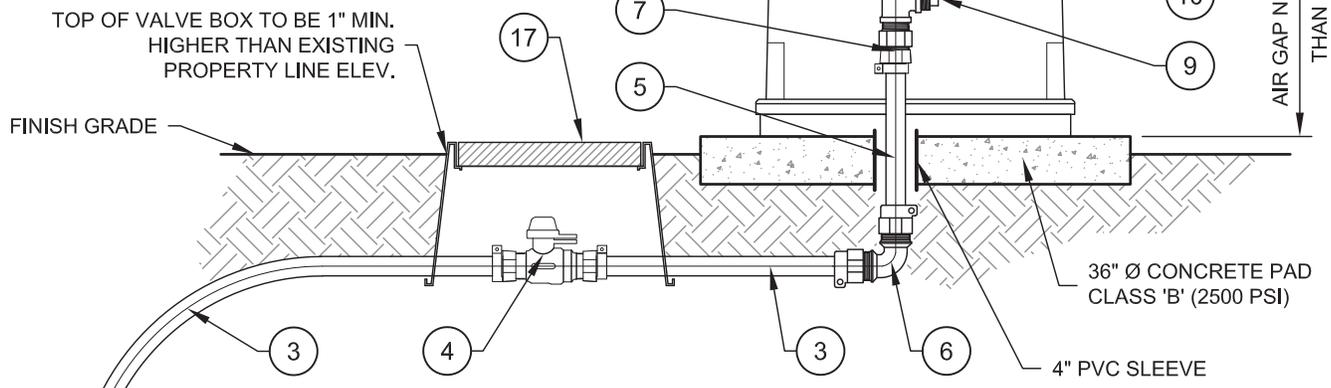
Standard Details
Water Improvements

1" Combination Air/Vacuum Valve & 2" Blow-Off

Scale: N.T.S.
Detail No.
310 R



PLAN VIEW

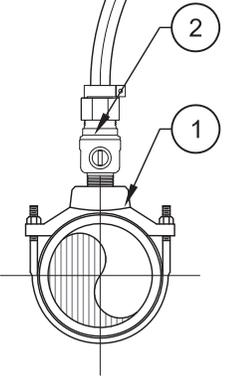


NOTE:

1. WRAP ALL COPPER & BRASS WITH 8 MIL POLY WRAP.
2. COMPACT SUB-GRADE UNDER VALVE PAD & ARV ENCLOSURE PAD.
3. IF BLOWOFF IS NOT REQUIRED USE ENCLOSURE & CONCRETE PAD FROM DETAIL 310 & ELIMINATE ITEMS 8 & 9.

2" COMBINATION AIR/VAC - 2" BLOW OFF DETAIL TABLE

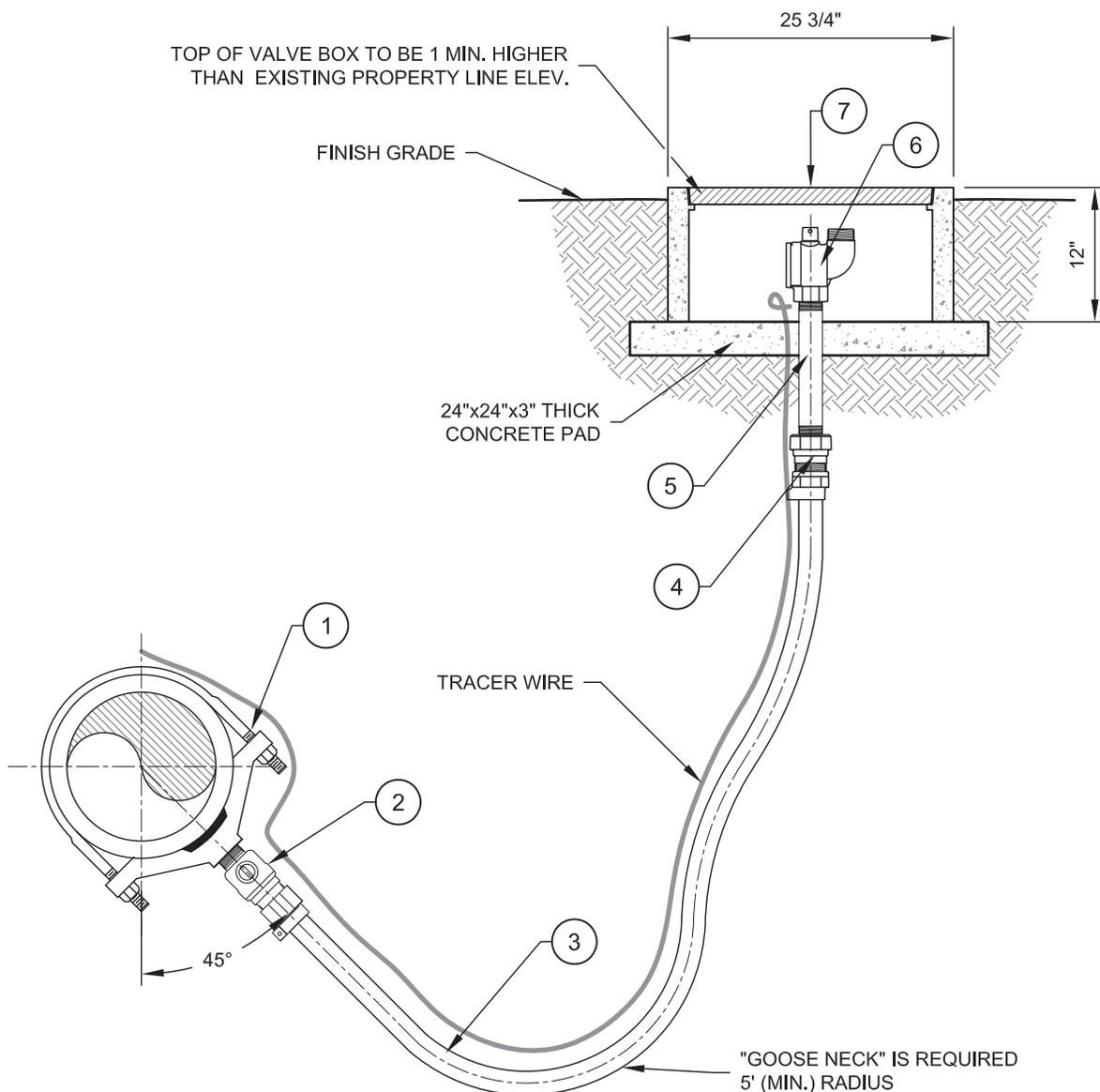
ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS
1	2" x MAIN SIZE BRASS SADDLE	FORD 202B-xxx-IP4 (AC) OR S91-xx4 (C900) SADDLE WITH IP THREAD
2	2" CORP STOP	FORD FB1100-7-NL
3	2" POLY TUBING	MUNICIPEX WATER SERVICE PIPE OR APPROVED EQUAL
4	2" CURB STOP	FORD B44-777-NL
5	2" COPPER TUBE	COPPER TYPE "K" SLEEVED WITH 8 MIL. POLY WRAP
6	2" PACK JOINT ELL COUPLING	FORD L44-77-NL
7	2" PACK JOINT COUPLING	FORD C84-77-NL
8	2" TEE	BRASS TEE
9	2" PLUG	BRASS PLUG MIPT
10	2" NIPPLE	BRASS NIPPLE 2"x4"
11	2" COUPLING	BRASS COUPLING FIPT
12	2" ARV	ARI D-040 COMBINATION AIR/VACUUM RELEASE VALVE
13	1 1/2" NIPPLE	PVC SCH 80 NIPPLE
14	1 1/2" 90	PVC SCH 80 90 FIPT x FIPT
15	1 1/2"x1" REDUCING BUSHING	PVC SCH 80 REDUCING BUSHING 1 1/2" MIPT x 1" FIPT
16	1" SCREEN	BUG SCREEN 40 MESH
17	VALVE BOX	CARSON 1419 VALVE BOX (20 7/8"x15 3/4"x12") TRAFFIC RATED BOX USE CHRISTY MAG 2 (25 1/2"x 17 3/4"x12")
18	POLYETHYLENE ENCLOSURE	PIPELINE PRODUCTS ADVANTAGE SERIES ENCLOSURE (VCAS-2436)



Standard Details
Water Improvements

2" Combination Air/Vacuum Valve & 2" Blow-Off

Scale: N.T.S.
Detail No.
311 R



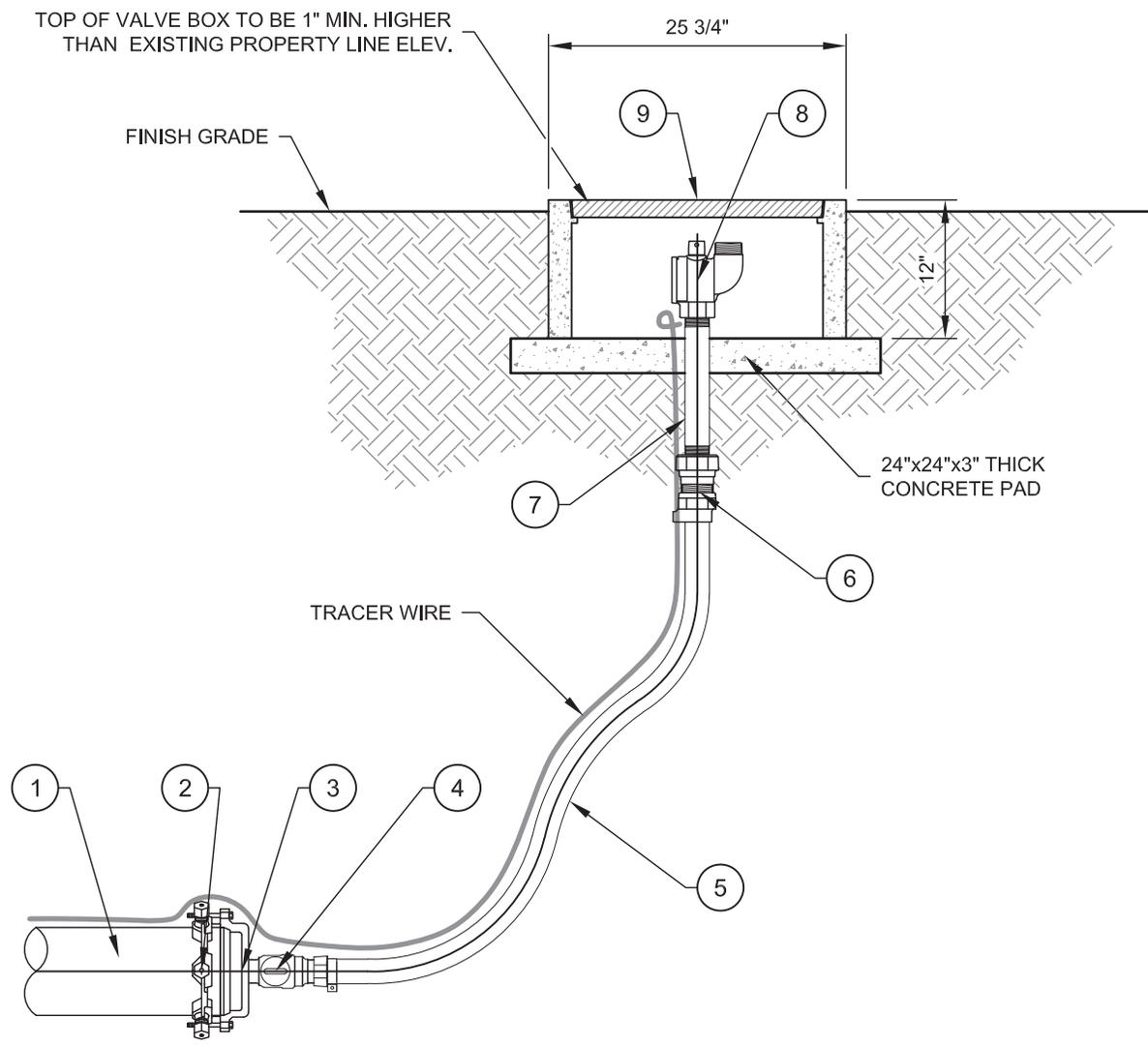
BLOW-OFF ASSEMBLY DETAIL TABLE			
ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS	REMARKS
①	2" x MAIN SIZE BRASS SADDLE	FORD 202B-xxx-IP7 (AC) OR S91-xx7 (C900) SADDLE WITH IP THREAD	OR EQUAL
②	2" CORP STOP	FORD 2" FB1100-7-NL	OR EQUAL
③	2" POLY TUBING	MUNICIPAL WATER SERVICE PIPE	OR EQUAL
④	2" PACK JOINT COUPLING	FORD 2" C14-77-NL OR EQUAL	
⑤	2"x12" NIPPLE	2"x12" BRASS NIPPLE	
⑥	2" BLOW-OFF VALVE	FORD 2" BLA18-777-TA-NL	OR EQUAL
⑦	METER BOX	MAG SPEC 320 CONCRETE METER BOX (25 3/4"x18"x12")	



Standard Details
Water Improvements

2" Blow-Off Assembly In Line

Scale: N.T.S.
Detail No.
313 R



BLOW-OFF ASSEMBLY DETAIL TABLE		
ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS
①	2" PVC PIPE	C900 PVC PIPE (S= SIZE IN INCHES)
②	2" JOINT RESTRAINT	EBAA 2000PV JOIST RESTRAINT OR EQUAL (S= SIZE IN INCHES)
③	2" MECHANICAL JOINT CAP	US PIPE MECHANICAL JOINT CAP WITH CENTER THREADED OPENING (S= SIZE IN INCHES)
④	2" CORP STOP	FORD 2" FB1100-7-NL OR EQUAL
⑤	2" POLY TUBING	MUNICIPEX WATER SERVICE PIPE OR APPROVED EQUAL
⑥	2" PACK JOINT COUPLING	2" PACK JOINT COUPLING
⑦	2"x12" NIPPLE	2"x12" BRASS NIPPLE
⑧	2" BLOW-OFF VALVE	FORD 2" BLA18-777-TA-NL OR EQUAL
⑨	METER BOX	MAG SPEC 320 CONCRETE METER BOX (25 3/4" x 18" x 12")



Standard Details

Water Improvements

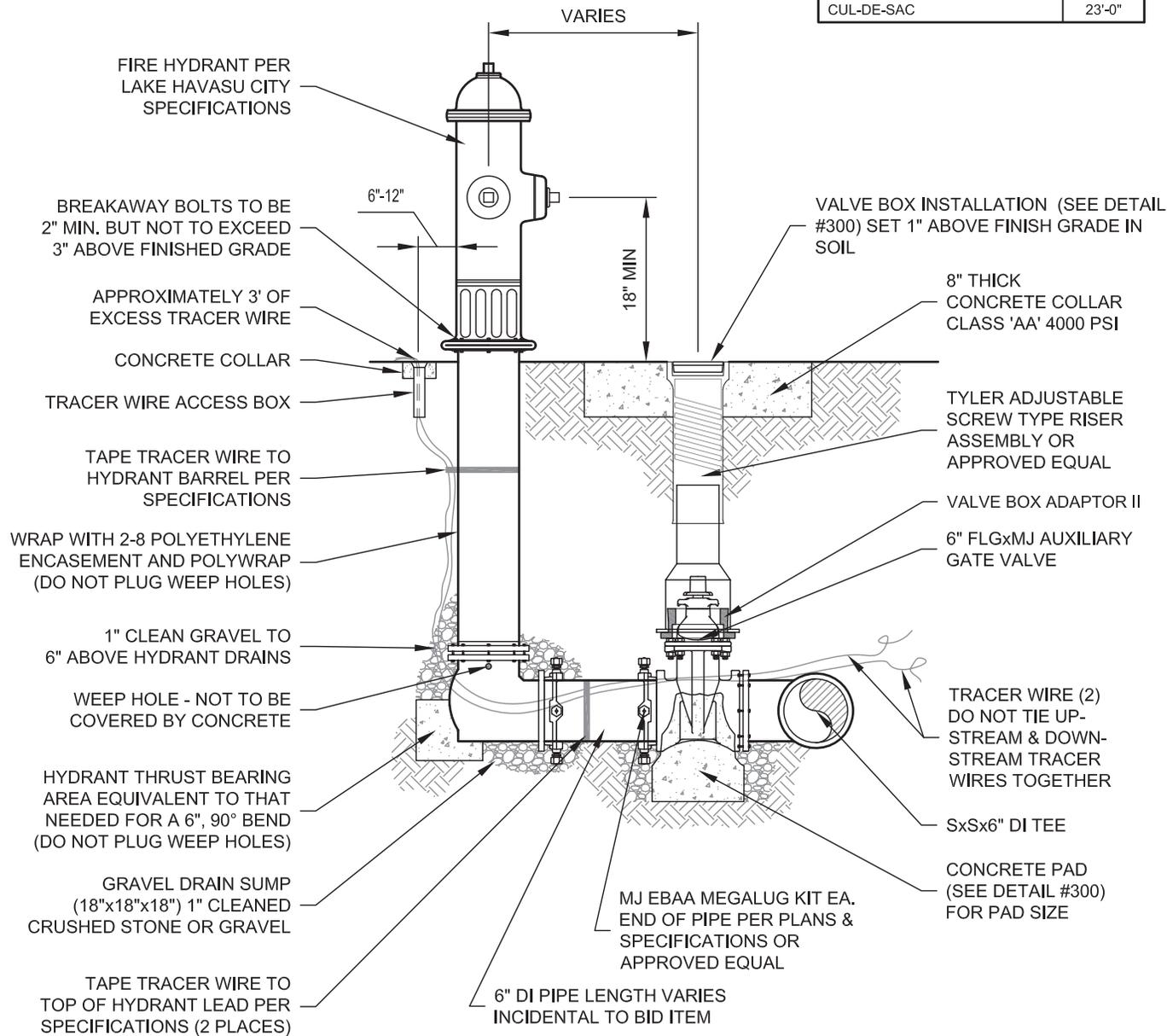
2" Blow-Off Assembly End of Line

Scale: N.T.S.

Detail No.

314 R

STREET TYPE	'D'
BOULEVARD	34'-0"
AVENUE	29'-0"
DRIVE	28'-0"
CUL-DE-SAC	23'-0"



NOTE:

1. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO SUBMITTAL. APPROVAL SHALL BE OBTAINED PRIOR TO ORDERING OF PARTS. CONTRACTOR IS RESPONSIBLE FOR APPROPRIATE BARREL LENGTH TO ACCOMMODATE ANY CHANGE IN GRADE OR PIPE ELEVATION.
2. PUMPER CONNECTIONS TO FACE BUILDINGS OR STREET.
3. S = MAIN SIZE.
4. ALL JOINTS ARE TO BE FULLY RESTRAINED.



Standard Details

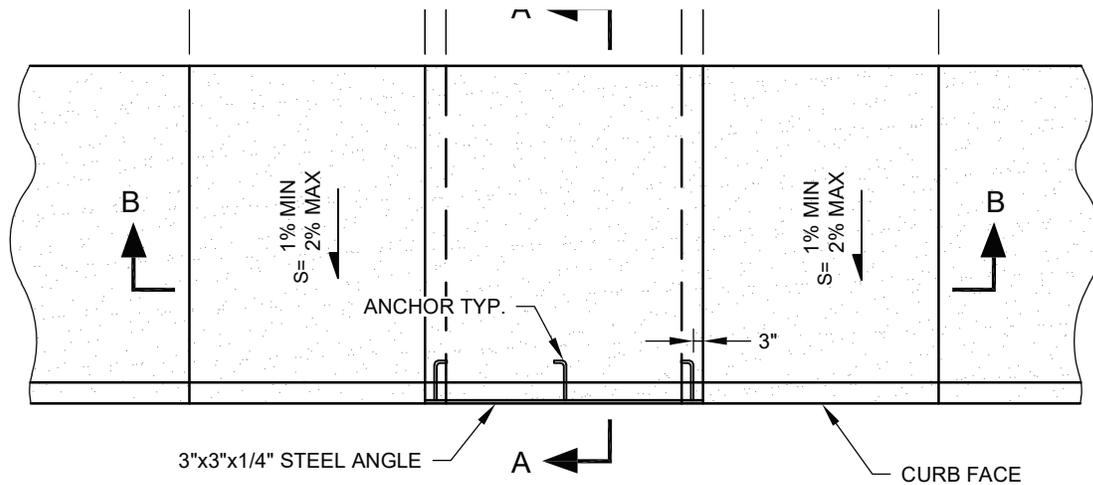
Water Improvements

6" Fire Hydrant

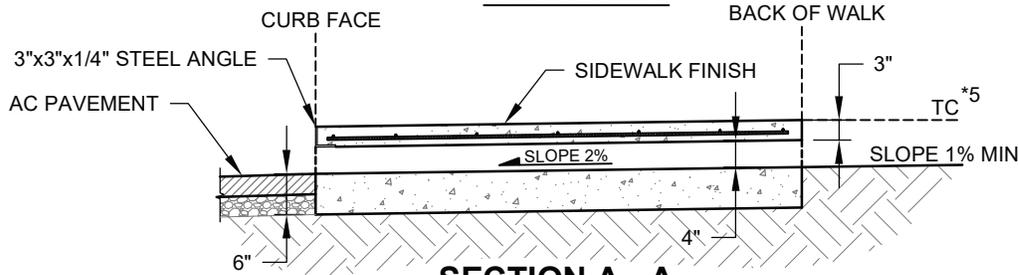
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Detail No.

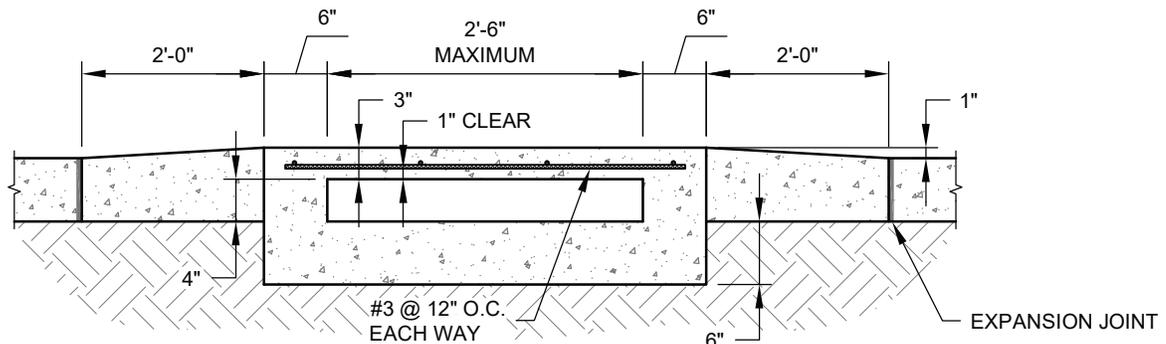
320 R



PLAN VIEW



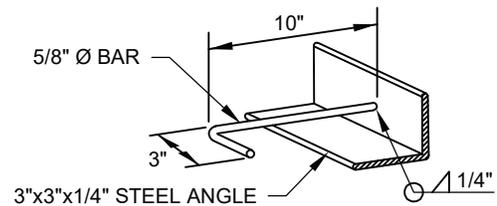
SECTION A - A



SECTION B - B

NOTE:

1. CONCRETE TO BE CLASS 'AA' (4000 PSI).
2. FLOOR OF BOX SHALL BE TROWLED SMOOTH
3. A HEADED STEEL STUD 5/8"x6-3/8" WITH A 1" HEAD ATTACHED BY A FULL PENETRATION BUTT WELD MAY BE USED AS AN ALTERNATE ANCHOR.
4. THE 3" LEG OF THE 5/8" Ø ANCHORS SHALL BE PARALLEL TO THE TOP OF THE SIDEWALK.
- *5. CONCRETE CURBED CHANNEL FROM PROPERTY



ANCHOR DETAIL



Standard Details

Stormwater Improvements

Concrete Curb Outlet

Scale: **N.T.S.**

Detail No.

501 A