

NOTES

1. GEOTECHNICAL REPORT IS REQUIRED AND REFERED TO IN DESIGN
2. MIN. CURB RADIUS SHALL BE 25 FT OR AS REQUIRED BY FIRE MARSHAL
3. REFER TO TRANSPORTATION MASTER PLAN FOR LANE CONFIGURATION
4. CITY ENGINEER MAY SPECIFY INCREASED MINIMUMS TO PAVEMENT THICKNESS, BASE/SUBBASE, HIGHBACK CURB, ETC. AS NEEDED
5. PRIVATE LANES, ALLEYS, AND RESIDENTIAL DRIVEWAYS CAN NOT CONNECT TO A COLLECTOR OR ARTERIAL

STREET CLASSIFICATION TABLE

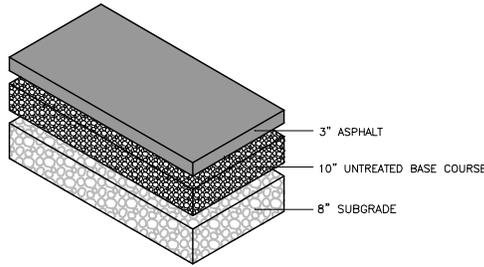
STREET CLASSIFICATION	R.O.W. WIDTH (A)	T.B.C. TO T.B.C. (B)	CL TO T.B.C. (C)	PARK STRIP (D)	SIDEWALK (E)
MAJOR COLLECTOR (MEDIAN INCLUDED) SEE FIGURE 1 BELOW	66'	47'	23.5'	4.5'	5'
MINOR COLLECTOR (NO MEDIAN) SEE FIGURE 1 BELOW	66'	47'	23.5'	4.5'	5'
LOCAL*	60'	41'	20.5'	4.5'	5'
LOCAL (32' ASPHALT)**	60'	37'	18.5'	6.5'	5'
PRIVATE ROAD	50'	31'	15.5'	4.5'	5'
ALLEY/PRIVATE LANE	25'	25'	12.5'	-	-

REFER TO WEST POINT TRANSPORTATION MASTER PLAN FOR CLASSIFICATION DIRECTION

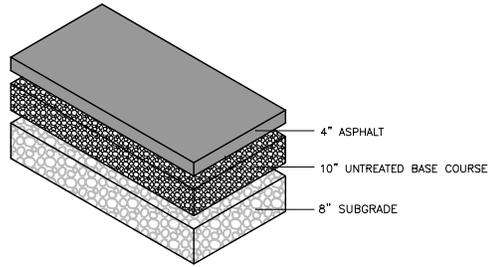
- * ALL RESIDENTIAL ROADS REQUIRE ON STREET PARKING
- ** LOCAL (32' ASPHALT) ARE SUBJECT TO THE CRITERIA IN SECTION 10-9A-508 OF THE UTAH STATE CODE

PIPE REQUIREMENTS TABLE

PIPE CLASSIFICATION	MIN SIZE	TYPE	COLOR	APWA
WATER	8"	PVC	BLUE	-
LAND DRAIN	6"	PVC SDR 35	WHITE	--
STORM DRAIN	15"	RCP or DUAL WALL HP POLYPROPYLENE PIPE (for 24" or smaller)	N/A	33 41 00
SEWER	8"	PVC SDR 35	GREEN	33 31 00
SECONDARY WATER	-	-	PURPLE	-



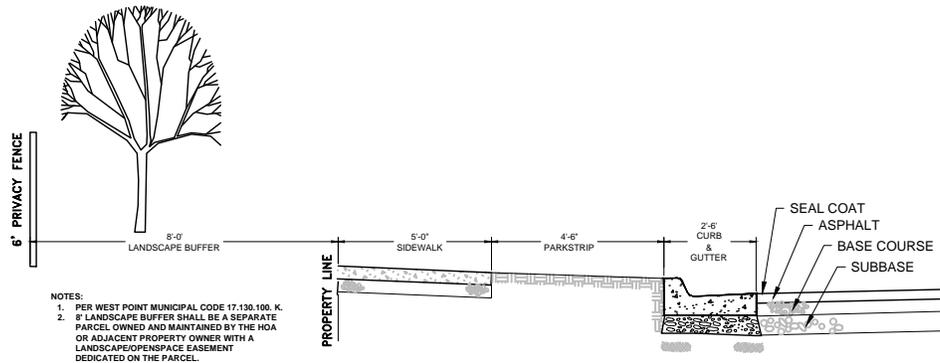
*CITY RESERVES THE RIGHT TO USE THIS SECTION OR REFERENCE SITE SPECIFIC GEOTECH REPORT



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A LOCAL/PRIVATE ROAD PAVEMENT SECTION
Scale: (NOT TO SCALE)

B COLLECTOR ROAD PAVEMENT SECTION
Scale: (NOT TO SCALE)



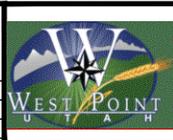
- NOTES:**
1. PER WEST POINT MUNICIPAL CODE 17.130.100. K.
 2. 8' LANDSCAPE BUFFER SHALL BE A SEPARATE PARCEL OWNED AND MAINTAINED BY THE HOA OR ADJACENT PROPERTY OWNER WITH A LANDSCAPE/OPENSPACE EASEMENT DEDICATED ON THE PARCEL.

C FIGURE 1
Scale: (NOT TO SCALE)

1A SUBDIVISION ROAD SECTION

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PLAN MODIFICATIONS

WEST POINT CITY

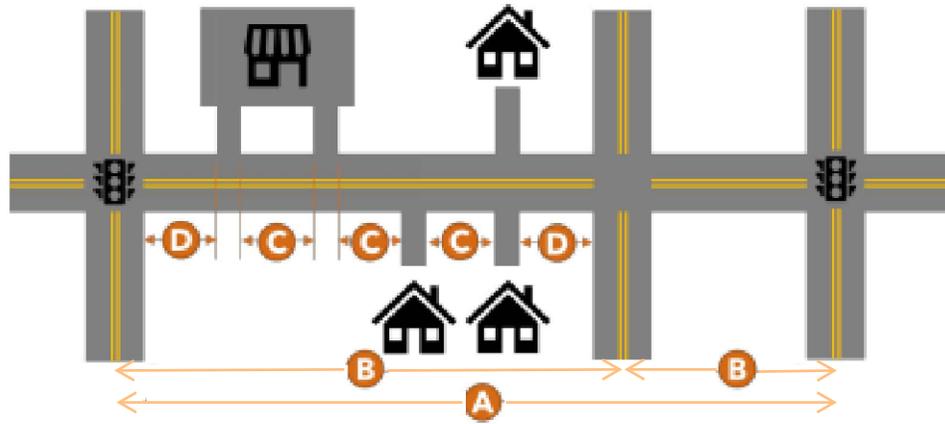
ROAD SECTION - SUBDIVISION ROAD

SHEET 1A

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R:\West Point\Subdiv\2022 - Update\Project\Subdiv\Plan Modification\Wp - Details - 2023.dwg RD 1 A 1/25/2023 3:29:26 PM ANS eng\A.R.50 (11.00 Inches) 11



CLASSIFICATION	SIGNAL SPACING (A)	STREET SPACING (B)	DRIVEWAY SPACING (C)	DRIVEWAY SPACING FROM CORNER (D)
MAJOR COLLECTOR	1320 FEET	660 FEET	300 FEET	300 FEET
MINOR COLLECTOR	1320 FEET	330 FEET	150 FEET	150 FEET
LOCAL	N/A	250 FEET	10 FEET	50 FEET
PRIVATE	N/A	250 FEET	10 FEET	50 FEET

NOTES

- STANDARD RESIDENTIAL STREETS SHALL APPROACH THE ARTERIAL OR COLLECTOR STREETS AT AN ANGLE OF NOT LESS THAN 80 DEGREES.
- PRIVATE LANES, ALLEYS, AND DRIVEWAYS SERVING RESIDENTIAL AREAS SHALL NOT CONNECT TO A COLLECTOR OR ARTERIAL STREET. EXCEPTIONS MAY BE GRANTED BY THE PLANNING COMMISSION.
- ALL ACCESS ROADS AND DRIVEWAYS MUST COMPLY WITH THE SPACING STANDARDS. EXCEPTIONS MAY BE GRANTED BY THE PLANNING COMMISSION.
- DRIVEWAY SPACING SHALL NOT APPLY IN THE TURN-AROUND PORTION OF A CUL-DE-SAC NOR IN MULTI-FAMILY DEVELOPMENTS.
- COMBINED DRIVEWAYS THAT SERVE TWO PROPERTIES SHALL BE COUNTED AS ONE DRIVEWAY.
- SPACING SHALL BE MEASURED FROM THE CENTER OF THE RIGHT-OF-WAY FOR STREETS AND FROM THE EDGE OF PAVEMENT FOR DRIVEWAYS.

DRIVEWAY STANDARDS

MINIMUM STANDARDS FOR DRIVEWAYS:

- COMMERCIAL DRIVE WIDTH: 24 FEET MINIMUM, 40 FEET MAXIMUM
- DRIVEWAY ACCESS MAY BE RESTRICTED TO RIGHT-IN / RIGHT-OUT MOVEMENTS ONLY TO ADDRESS SAFETY OR CONGESTION CONCERNS ASSOCIATED WITH THE ACCESS. CONCERNS MAY INCLUDE:
 - DOCUMENTED CRASH HISTORY
 - POOR / LIMITED SIGHT DISTANCE
 - CONGESTION: LOS D OR WORSE EXITING THE DRIVEWAY
 - CONGESTION: LEFT TURN 95TH PERCENTILE QUEUING FROM MAINLINE INTERFERES WITH THROUGH TRAFFIC PROGRESSION ON MAINLINE OR BLOCKS OTHER ROADWAYS / DRIVEWAYS

1B

ACCESS MANAGEMENT

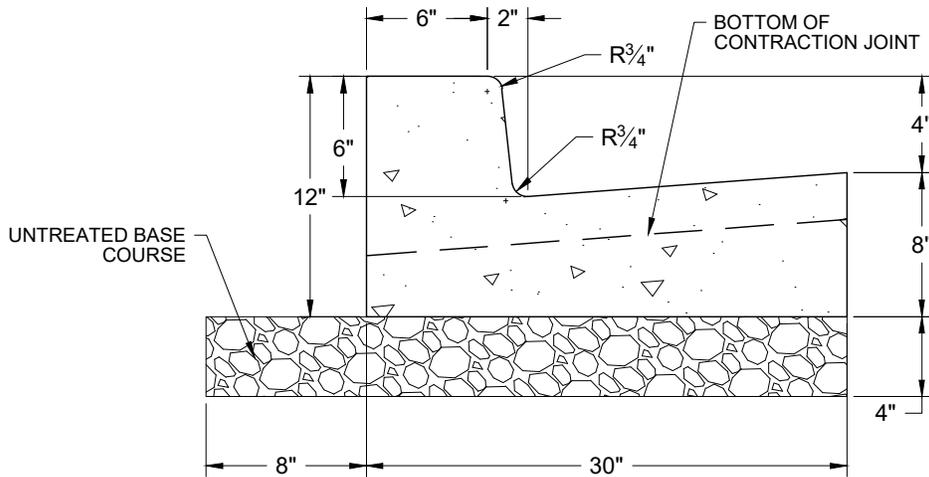
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ACCESS MANAGEMENT	SHEET 1B

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NOTES

1. TYPE A CURB AND GUTTER PER APWA STANDARD DRAWING PLAN NO. N05
2. UNTREATED BASE COURSE MATERIAL SPECIFIED IN APWA SECTION 32 11 23.
3. CLASS 4000 PER APWA SECTION 0330 04
4. DESIGN EXPANSION JOINTS VERTICAL, FULL DEPTH, $\frac{1}{2}$ INCH WIDE WITH TYPE F1 JOINT FILLER MATERIAL PER APWA SECTION 32 12 73.
5. DESIGN CONTRACTION JOINT VERTICAL
6. REINFORCEMENT: ASTM A 615, GRADE 60, GALVANIZED OR EPOXY COATED DEFORMED STEEL PER APWA SECTION 03 20 00

2

TYPE A CURB & GUTTER

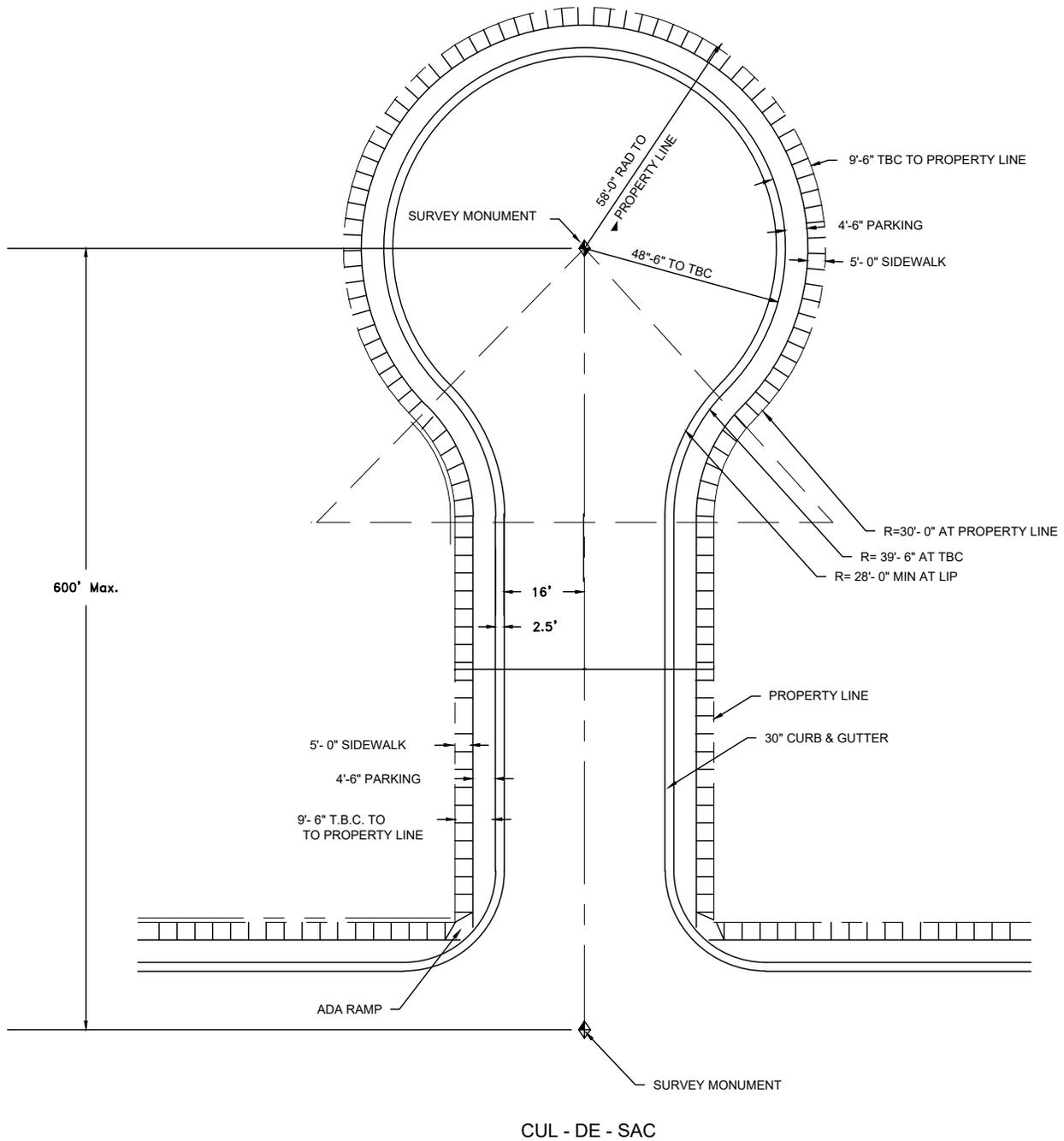
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TYPE A CURB + GUTTER	SHEET 2

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3

CUL-DE-SAC DETAIL

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PLAN MODIFICATIONS	
WEST POINT CITY	
CUL-DE-SAC DETAIL	SHEET 3

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TABLE OF BEARING AREAS IN SQ. FT FOR CONCRETE THRUST BLOCKING

SIZE	BENDS				TEES*	GATE VALVES	DEAD ENDS	CROSSW/1BRANCH PLUGGED	CROSSW/2 BRAN. PLUGGED
	90°	45°	22 1/2°	11 1/4°					
3	1.0	0.0	0.3	0	0.7	0.5	0.7	0.7	0.7
4	1.8	1.0	0.5	0	1.3	0.5	1.3	1.3	1.3
6	4.0	2.2	1.1	0	2.8	0.7	2.8	2.8	2.8
8	7.1	3.8	2.0	1.0	5.0	2.4	5.0	5.0	5.0
10	11.1	6.0	3.0	1.5	7.8	4.5	7.8	7.8	7.8
12	16.0	8.6	4.4	2.2	11.3	7.3	11.3	11.3	11.3
14	21.7	11.8	6.0	3.0	15.4	11.0	15.4	15.4	15.4
15	25.0	13.5	7.0	3.5	17.6		17.6	17.6	17.6
16	28.4	15.3	8.0	4.0	20.0		20.0	20.0	20.0
18	36.0	19.4	10.0	5.0	25.4		25.4	25.4	25.4
20	44.2	24.0	12.2	6.1	31.4		31.4	31.4	31.4
21	49.0	26.5	13.5	6.8	34.6		34.6	34.6	34.6
22	54.0	29.0	14.8	7.4	38.0		38.0	38.0	38.0
24	64.0	34.5	17.7	8.8	45.0		45.0	45.0	45.0
30	100.0	54.0	27.6	13.8	71.0		71.0	71.0	71.0
36	144.0	78.0	40.0	20.0	102.0		102.0	102.0	102.0

*SIZE IS BRANCH SIZE

FOR 300 P.S.I. INTERNAL STATIC PRESSURE AND 2000 LBS.PER SQ. FT. SOIL BEARING CAPACITY.

*ALL VALVES, TEES, CROSSES AND BENDS SHALL ALSO BE FITTED WITH MECHANICAL RESTRAINTS, SUCH AS MEGA LUG OR ROMA GRIP WITH FLUOROPOLYMER COATED BOLTS AND NUTS.

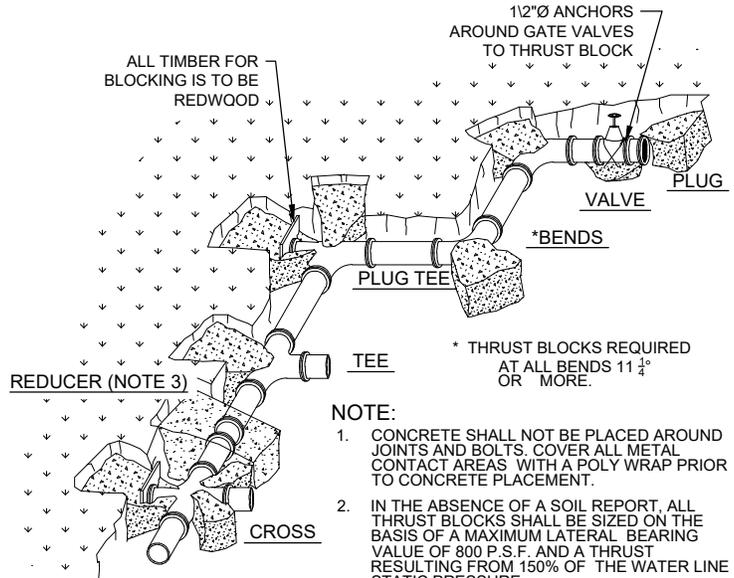
BEARING AREAS FOR ANY PRESSURE AND SOIL BEARING CAPACITY MAY BE OBTAINED BY MULTIPLYING THE TABULATED VALUES BY A CORRECTION FACTOR "F".

$$F = \frac{\text{ACTUAL SPECIFIED TEST PRESSURE IN HUNDREDS OF LBS/SQ. IN.}}{\text{ACTUAL SOIL BEARING CAPACITY IN THOUSANDS OF LBS.}}$$

EXAMPLE: TO FIND BEARING AREA FOR 8°-90° BEND WITH A STATIC INTERNAL PRESSURE OF 150 P.S.I AND WITH A SOIL BEARING CAPACITY OF 3000 LBS. PE SQ. FT.

$$F = 1.5 / 3 = 0.5 \text{ TABULATED VALUE} = 7.1 \text{ SQ. FT.}$$

$$0.5 \times 7.1 = 3.56 \sim 4 \text{ SQ. FT. (~OR 2FT. LONG BY 2FT. HIGH.)}$$



NOTE:

1. CONCRETE SHALL NOT BE PLACED AROUND JOINTS AND BOLTS. COVER ALL METAL CONTACT AREAS WITH A POLY WRAP PRIOR TO CONCRETE PLACEMENT.
2. IN THE ABSENCE OF A SOIL REPORT, ALL THRUST BLOCKS SHALL BE SIZED ON THE BASIS OF A MAXIMUM LATERAL BEARING VALUE OF 800 P.S.F. AND A THRUST RESULTING FROM 150% OF THE WATER LINE STATIC PRESSURE.
3. THRUST BLOCK AT REDUCER SHALL BE KEYPED INTO UNDISTURBED TRENCH WALL AND BOTTOM, AND REINFORCED WITH #4 BARS 3" OFF SMALL SIDE FACE. KEY DEPTH = 12" FOR 4"-12" MINUS, AND 18" FOR > 12" MINUS

4

THRUST BLOCK DETAIL

APPLIES TO ALL PRESSURE PIPE

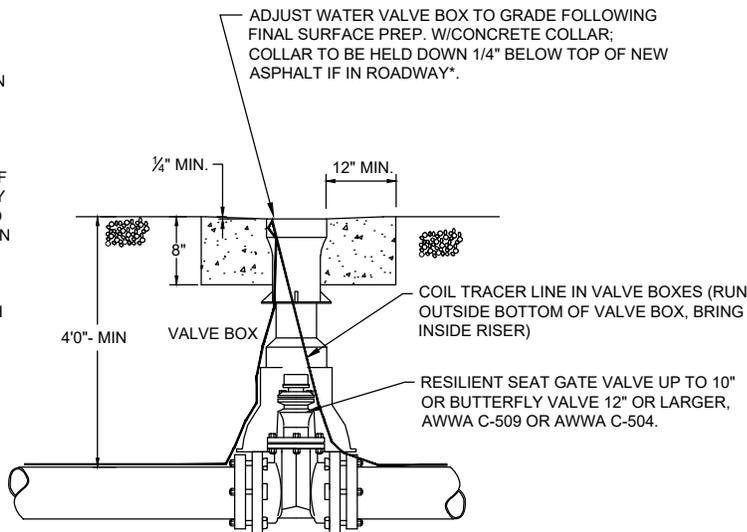
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VALVE LOCATION STANDARD:

AT TEES AND CROSSES, A VALVE SHALL BE INSTALLED IN EACH MAIN LINE, OUT OF THE INTERSECTION, AT THE EXTENSION OF PROPERTY LINES.

AN EXCEPTION TO THE NUMBER OF VALVES MAY BE MADE BY THE CITY WHEN FOLLOWING THE STANDARD WILL PUT MAIN LINE VALVES WITHIN 250' OF EACH OTHER.

AN ISOLATION VALVE SHALL BE INSTALLED IN MAIN LINES ON EACH END OF AN EASEMENT THROUGH PRIVATE PROPERTY.



*: VALVE BOX, RISER AND LID MUST COME FROM THE SAME MFR., BE INTENDED FOR USE TOGETHER AND SHALL BE WITHIN PUBLISHED DIMENSION TOLERANCES. IF LOCATED IN ROADWAY W/ SPEED LIMIT OF 40 MPH OR GREATER, LID SHALL BE HEAVY AND EXTRA DEEP.

5

TYPICAL VALVE DETAIL

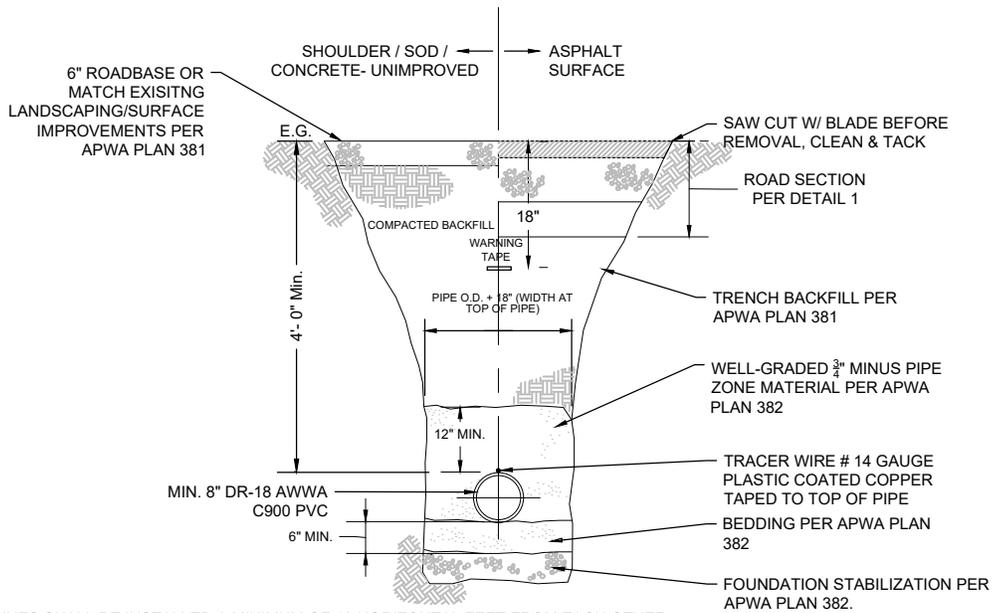
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PLAN MODIFICATIONS	
WEST POINT CITY	
THRUST BLOCK TYPICAL VALVE	SHEET 4

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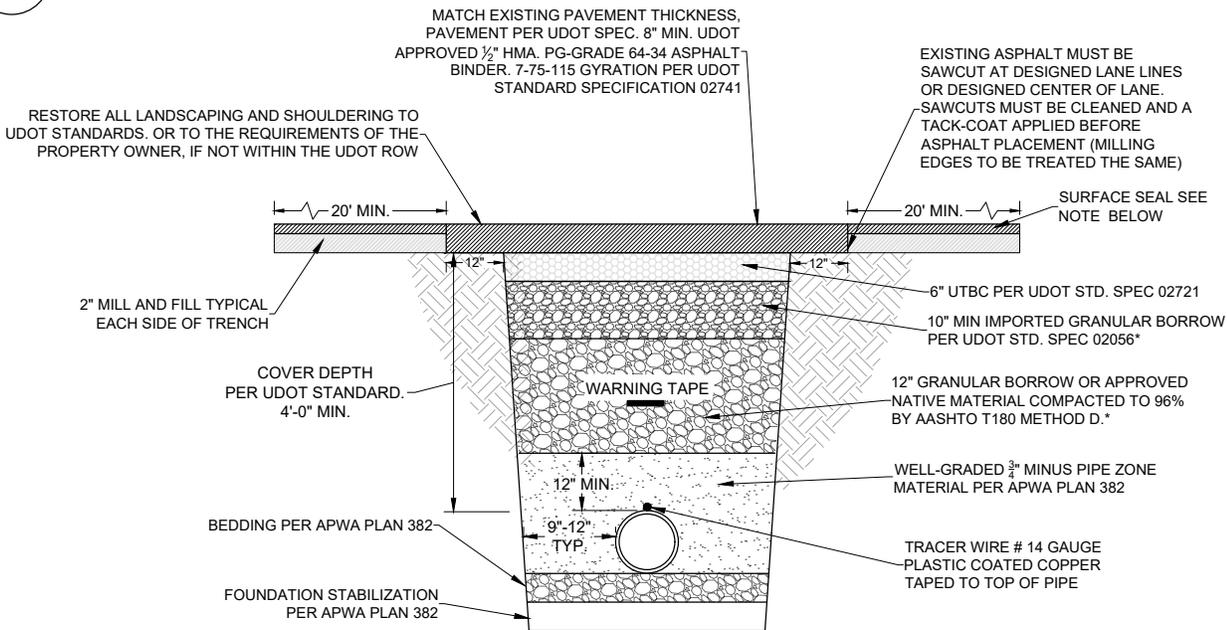


- NOTE:
- WATER & SEWER LINES SHALL BE INSTALLED A MINIMUM OF 10 HORIZONTAL FEET FROM EACH OTHER.
 - WHERE A WATER MAIN AND A SEWER MAIN MUST CROSS, THE WATER MAIN SHALL BE AT LEAST 18" ABOVE THE SEWER MAIN.
 - SEPARATION DISTANCES ARE TO BE MEASURED EDGE-TO-EDGE.
 - WATER MAINS SHALL NOT BE INSTALLED IN THE SAME TRENCH WITH EITHER SEWER OR SECONDARY PIPES.
 - IF THESE STANDARDS CANNOT BE MET, SECURE DIRECTION FROM THE CITY ENGINEER.

6A

TYPICAL TRENCH SECTION

NTS



NOTE: **CONTRACTOR SHALL OBTAIN UDOT PERMIT PRIOR COMMENCING WORK**

CHIP SEAL TYPE II WITH EMULSION LMCRS PER UDOT STD. SPEC 02785 (ESTIMATED APPLICATION RATE OF 0.45 GAL/SY) IS REQUIRED FOR THIS ROADWAY ON AT LEAST ALL NEW PAVEMENT PLACED WITHIN THE UDOT RIGHT-OF-WAY.

ALL CONSTRUCTION WITHIN THE UDOT RIGHT-OF-WAY SHALL CONFORM TO THE MOST CURRENT UDOT STANDARD DRAWING AND SPECIFICATIONS.

* FLOWABLE FILL MAY BE REQUIRED BY UDOT PERMIT.

6B

UDOT TRENCH DETAIL

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PLAN MODIFICATIONS	
WEST POINT CITY	
TYPICAL TRENCH SECTION	SHEET 5
UDOT CROSSING TRENCH DETAIL	

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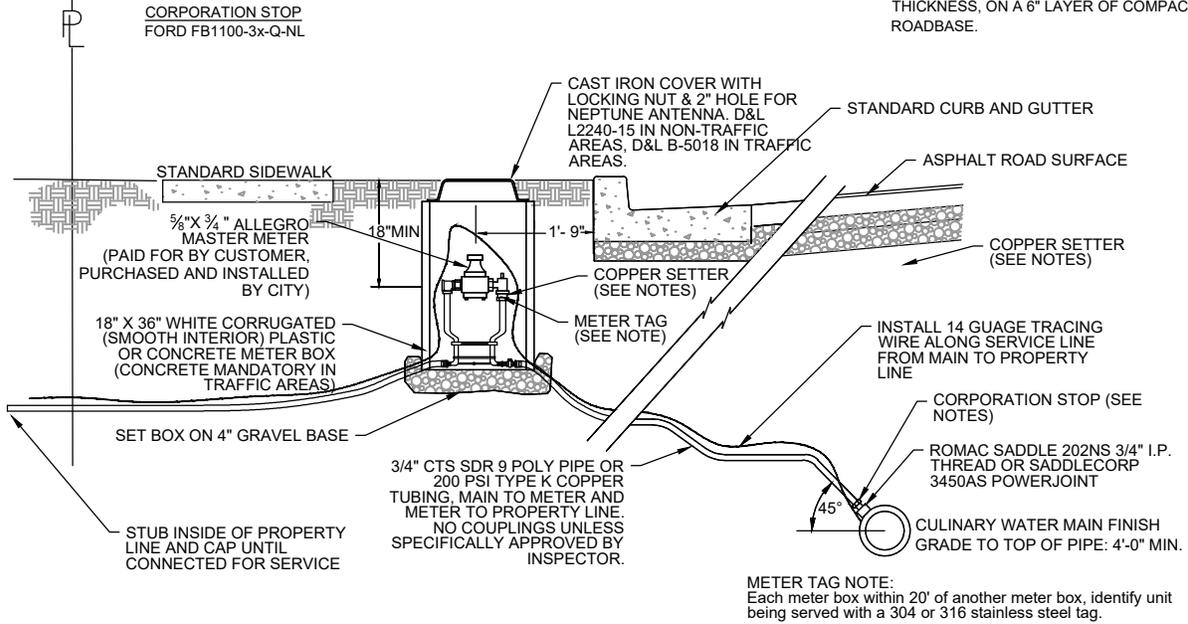
NOTES:

COPPER SETTER
FORD VBHC72-18W-44-33-Q-NL

ALL COMPRESSION FITTINGS:
SHALL HAVE STAINLESS STEEL INSERTS
FORD 52

AREA SUSCEPTIBLE TO VEHICULAR TRAFFIC:
INSTALL A FLAT METER BOX LID, D+L B-5018.
COLLAR METER BOX WITH A 4' X 4' 3,500 PSI
CONCRETE COLLAR WITH A 4" MIN.
THICKNESS, ON A 6" LAYER OF COMPACTED
ROADBASE.

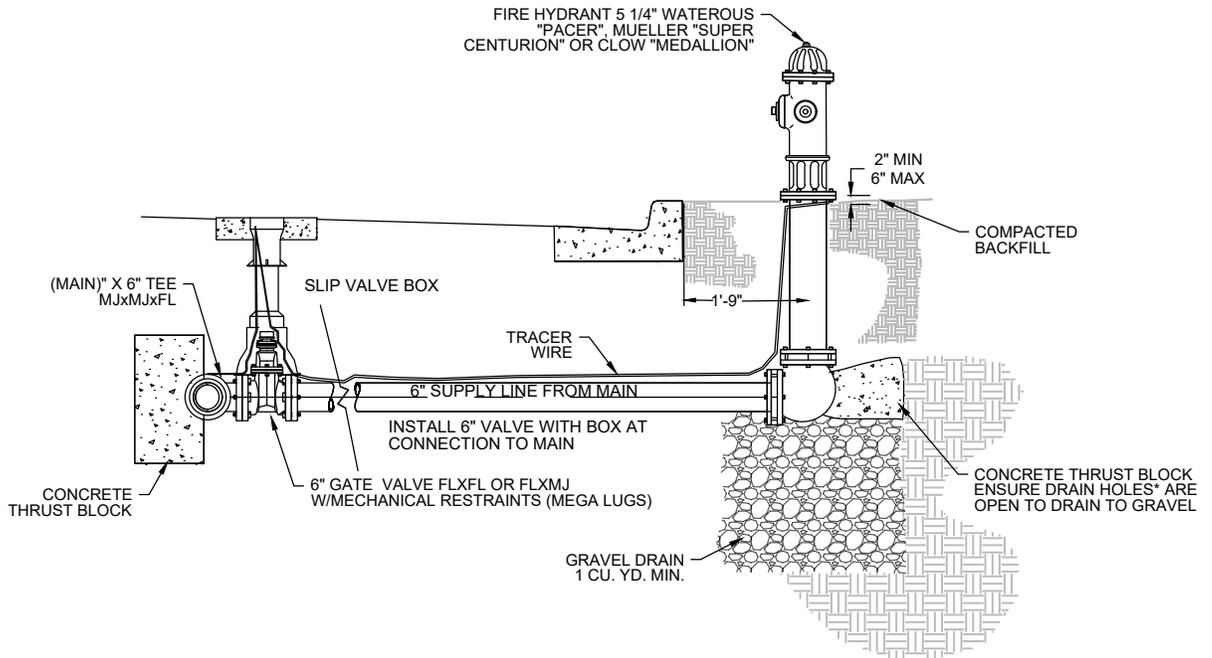
CORPORATION STOP
FORD FB1100-3x-Q-NL



METER TAG NOTE:
Each meter box within 20' of another meter box, identify unit being served with a 304 or 316 stainless steel tag.

7 TYPICAL WATER CONNECTION\RE-CONNECTION

NTS



*NOTE: HYDRANT DRAINS SHALL NOT BE CONNECTED TO, OR LOCATED WITHIN, 10 FEET OF SANITARY SEWERS. WHERE POSSIBLE, HYDRANT DRAINS SHALL NOT BE LOCATED WITHIN 10 FEET OF STORM DRAINS.

8 FIRE HYDRANT DETAIL

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PLAN MODIFICATIONS

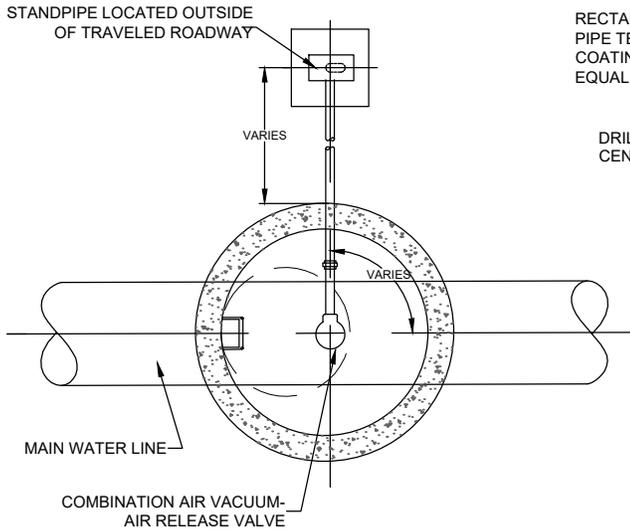
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TYPICAL WATER CONNECTION DETAIL
FIRE HYDRANT DETAIL

SHEET 6

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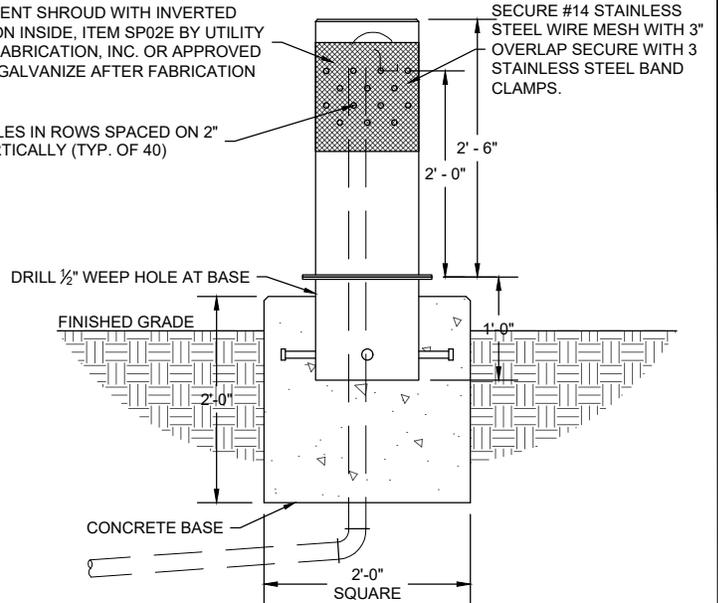
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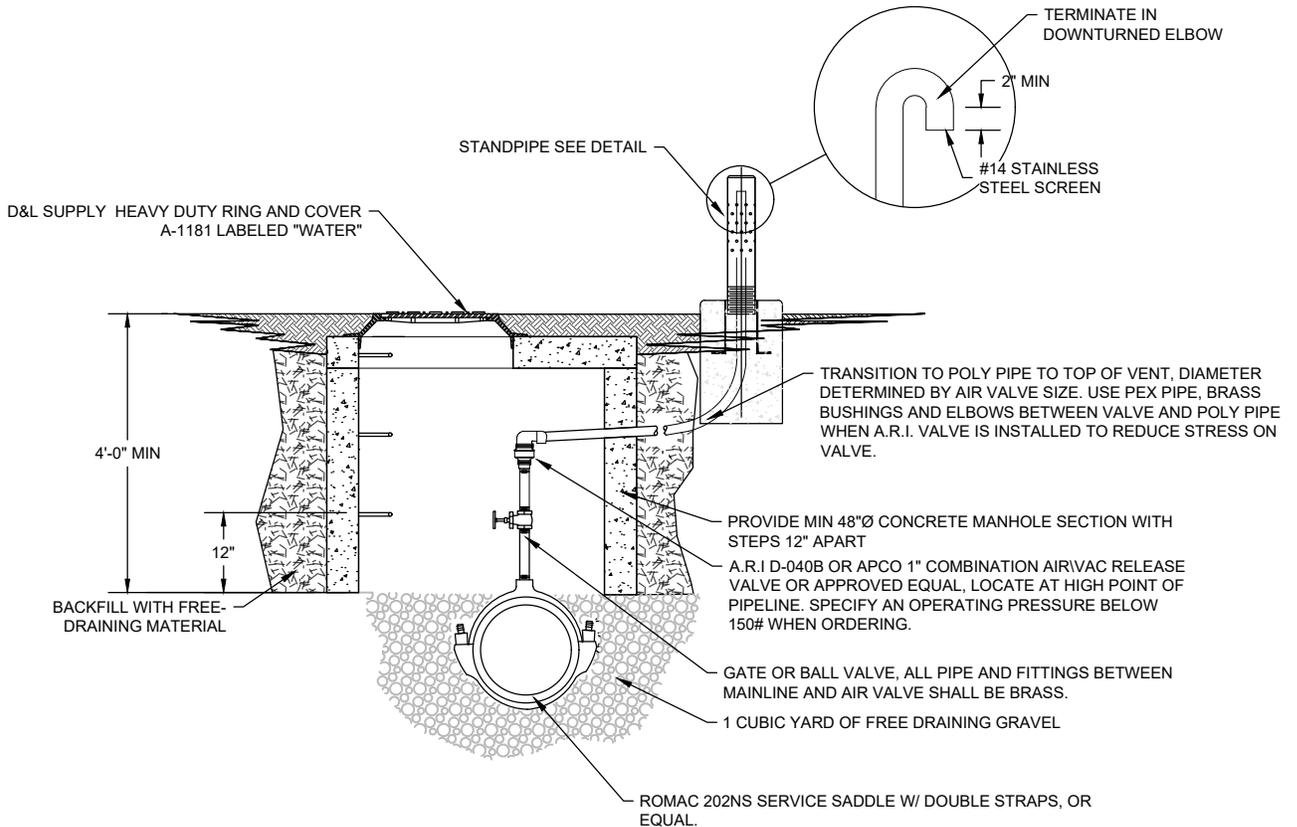
AIR VALVE PLAN VIEW
NTS

RECTANGULAR VENT SHROUD WITH INVERTED PIPE TERMINATION INSIDE, ITEM SP02E BY UTILITY COATINGS AND FABRICATION, INC. OR APPROVED EQUAL. HOT DIP GALVANIZE AFTER FABRICATION

DRILL 1/2" Ø HOLES IN ROWS SPACED ON 2" CENTERS VERTICALLY (TYP. OF 40)



STANDPIPE DETAIL
NTS



AIR/VAC VALVE DETAIL
NTS

9

COMBINATION AIR/VAC VALVE DETAILS

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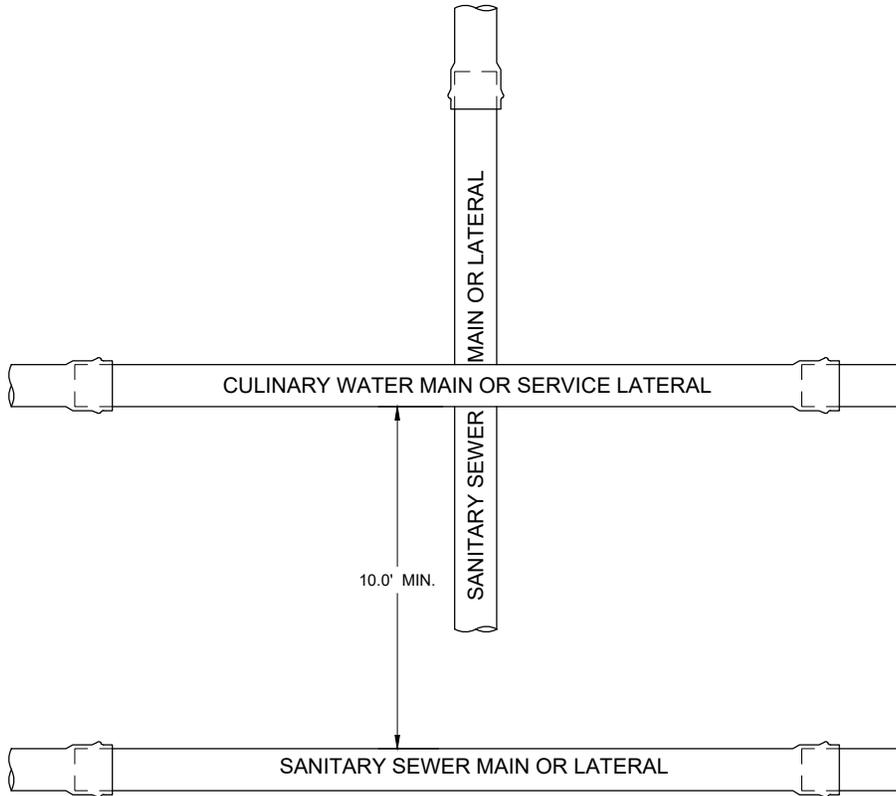


PLAN MODIFICATIONS	
WEST POINT CITY	
COMBINATION AIR/VAC VALVE DETAIL	SHEET 7

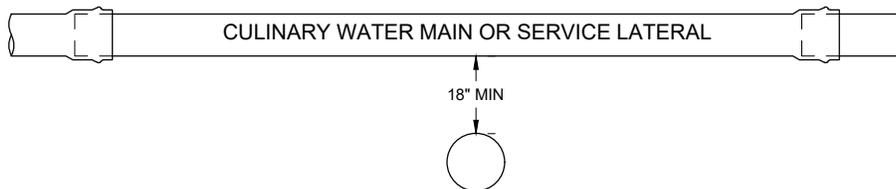
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NOTE:

WATER MAINS AND SEWER LINES SHALL NOT BE INSTALLED IN THE SAME TRENCH. WHERE LOCAL CONDITIONS MAKE IT IMPOSSIBLE TO INSTALL WATER OR SEWER LINES AT THE SEPARATION DISTANCES REQUIRED ABOVE, AN EXCEPTION TO THE STANDARD MAY BE POSSIBLE. THE ENTITY SEEKING THE EXCEPTION SHALL INITIATE AND PURSUE A REQUEST FOR A SEPARATION EXCEPTION WITH THE STATE DIVISION OF DRINKING WATER, IN ACCORDANCE WITH R309-550-7 OF THE STATE OF UTAH ADMINISTRATIVE RULES.



PLAN VIEW



PROFILE VIEW

10 TYPICAL SEWER CROSSING DETAIL

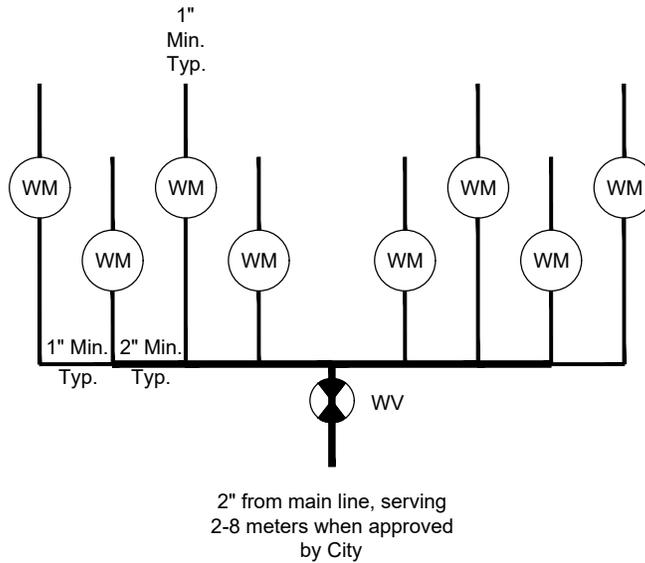
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PLAN MODIFICATIONS	
WEST POINT CITY	
TYPICAL SEWER CROSSING	SHEET 8

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SPECIFICATIONS FOR MULTIPLE METER MANIFOLDS:

1. All piping shall be SDR 9 CTS HDPE or brass.
2. Maintain right angles in piping through use of brass tees, crosses or 90s
3. 2" pipe when more than 1 meter is served, single service size beyond meter determined by home builder.
4. Stagger meter boxes as needed to enable proper compaction
5. Keep meter boxes near roadway
6. No meter boxes in roads or driveways.
7. Mark and wire a waterproof tag to each meter to identify which lot/unit is served by each meter.
8. 2" curb valve and valve box with concrete collar required. Locate in non-traffic area.
9. See also Detail 4 on Sheet 3.

11 MULTIPLE METER MANIFOLD

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PLAN MODIFICATIONS	
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SKEWED SEWER CROSSING	SHEET 9

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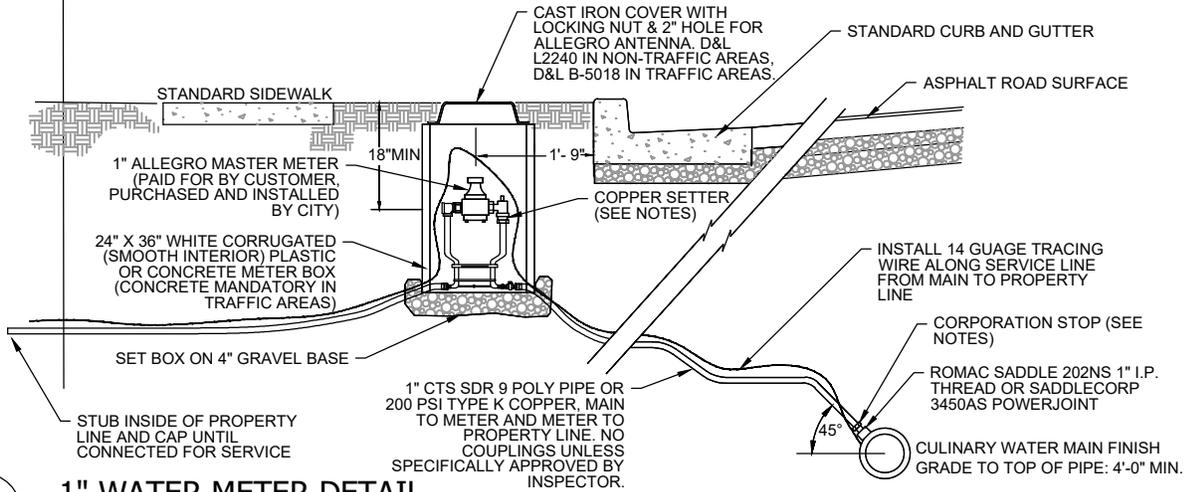
NOTES:

COPPER SETTER
FORD VBHC74-18W-44-44-Q-NL

CORPORATION STOP
FORD FB1100-4-Q-NL

ALL COMPRESSION FITTINGS:
SHALL HAVE STAINLESS STEEL INSERTS
FORD 52

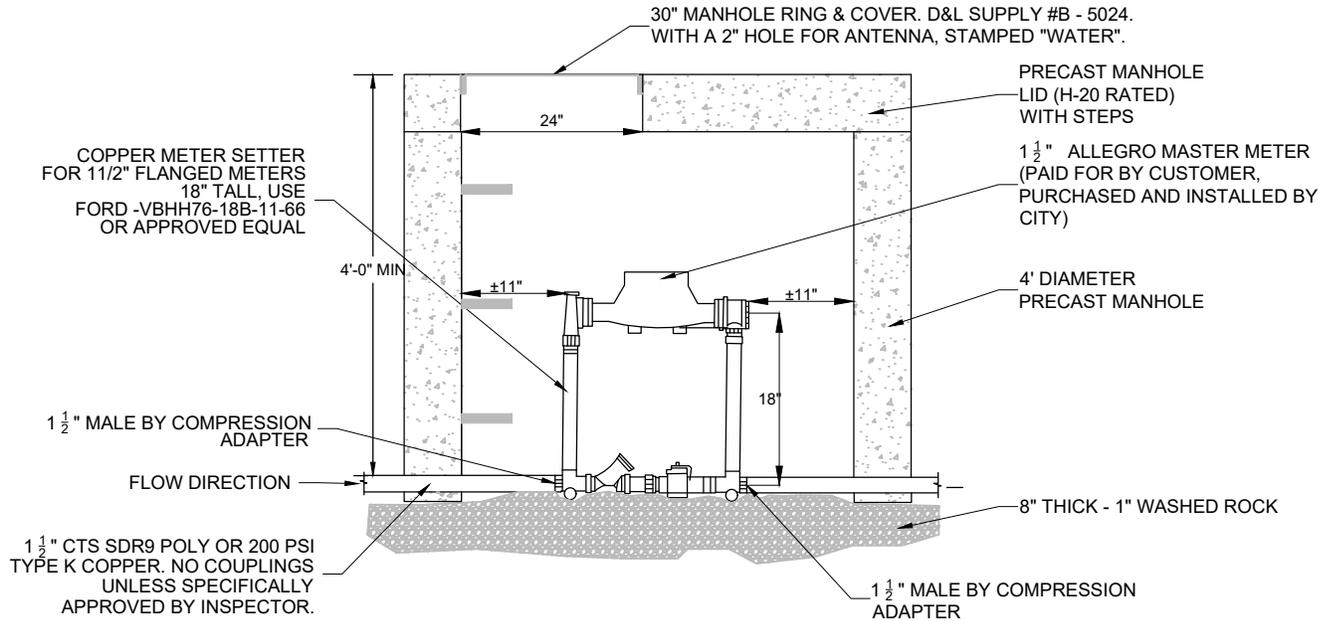
AREA SUSCEPTIBLE TO VEHICULAR TRAFFIC:
INSTALL A FLAT METER BOX LID, D+L B-5024.
COLLAR METER BOX WITH A 4' X 4' 3,500 PSI
CONCRETE COLLAR WITH A 4" MIN.
THICKNESS OR GREATER TO SATISFY
AUTHORITY HAVING JURISDICTION, ON A 6"
LAYER OF COMPACTED ROADBASE.



12

1" WATER METER DETAIL

NTS



- NOTES:**
- SERVICE LINE COVER UNDER CURB AND GUTTER MUST BE ADJUSTED BETWEEN THE LIMITS OF 36" AND 48". COVER OF SERVICE LINE IN THE STREET MUST NOT BE GREATER THAN 48"
 - DISTRICT MANAGER OR FOREMAN MUST APPROVE LOCATION OF METER BOX IF DISTANCE FROM TOP BACK CURB & GUTTER EXCEEDS 1' -0".
 - METER SETTER, CONSISTS OF 2 DUAL CHECK VALVES, 2 LOCKING KEY VALVES, FITTINGS & SPOOLS, COMPLETE.
 - ALL PIPING, VAULT, & MISCELLANEOUS ITEMS SHALL BE FURNISHED & INSTALLED BY THE CONTRACTOR, COMPLETE. COST OF METER SHALL BE BORNE BY SERVICED CUSTOMER.
 - ANY CHANGES MUST BE APPROVED BY CITY MANAGER OR INSPECTOR.
 - IF SERVICE LINE IS NOT 1 1/2" CTS POLY THEN INSTALLER WILL HAVE TO INSTALL TRANSITION FITTINGS.

13

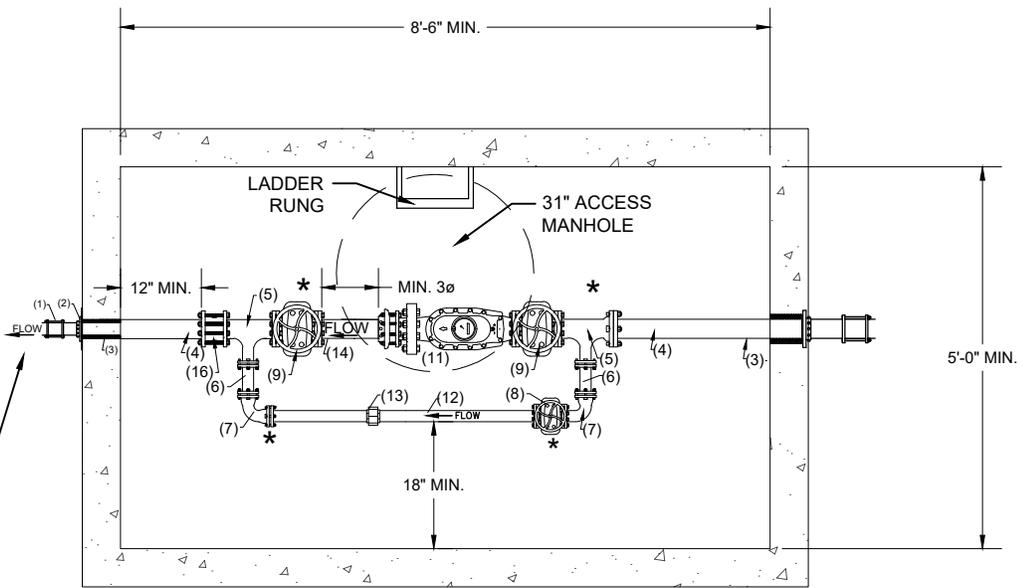
1 1/2" WATER METER DETAIL

NTS

DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY WEST POINT CITY.
DESIGNED: DW	
CHECKED: RC	
DATE: 03/2023	
REV	
REV	
REV	



PLAN MODIFICATIONS	
WEST POINT CITY	
1" METER DETAIL	
1 1/2" METER DETAIL	
	SHEET 10



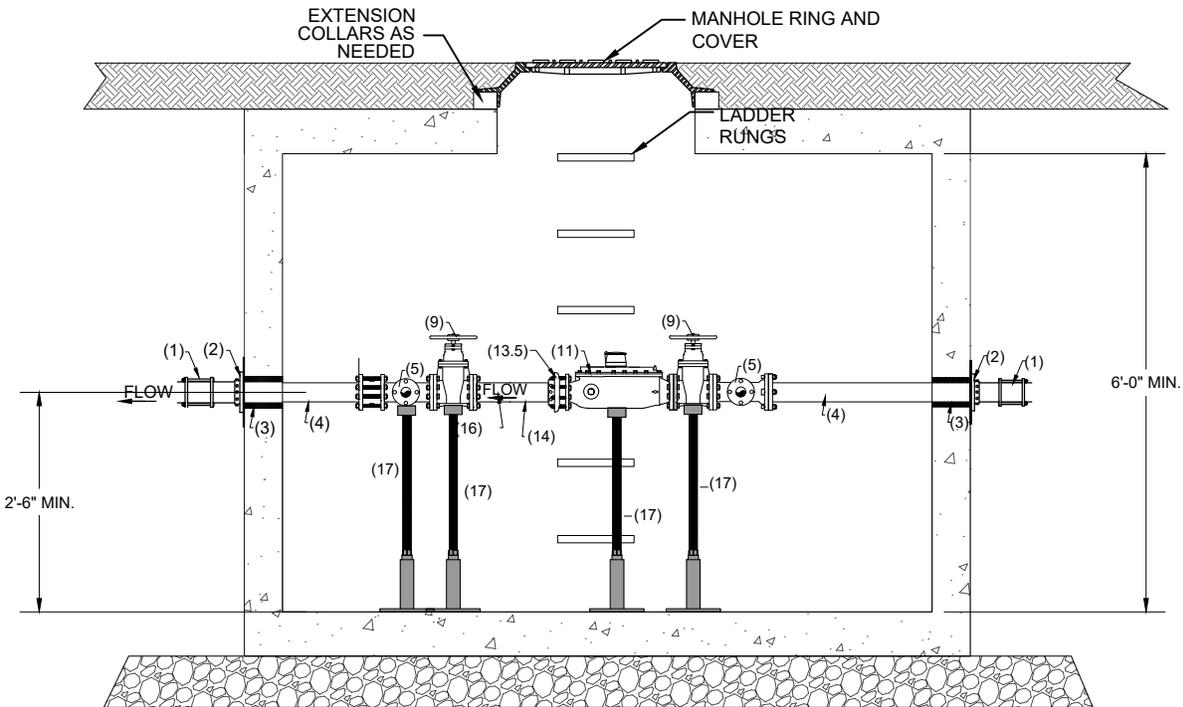
PLAN VIEW

* PIPE STAND LOCATIONS

1/4" THRUST PLATE
& FIELD FLANGE

PIPE OUTER DIA.
PLUS 1 INCHES

PIPE OUTER DIAMETER
PLUS 6" (SQUARE)



SECTION A-A

15A

3" WATER METER DETAIL

1"=2.5'

DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY WEST POINT CITY.
DESIGNED: DW	
CHECKED: RC	
DATE: 03/2023	
REV	
REV	
REV	



PLAN MODIFICATIONS	
WEST POINT CITY	
3" WATER METER DETAIL	SHEET 12A

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CIVIL • LAND PLANNING
MUNICIPAL • LAND SURVEYING
1880 W 2100S, WEST HAVEN, UT 84405
P 801.476.0202 F 801.476.0066

Bill of Materials - 3" Meter

#	Qty	Item	Note
1	2	3" COUPLING	
2	2	FIELD FLANGE AND 1/4" STEEL THRUST PLATE	
3	2	CORED HOLE AND GROUT PACK	
4	2	3" PIPE	FIELD MEASURE AND CUT TO FINAL LENGTH
5	2	3" X 2" TEE	
6	2	2" FL X PE PIPE	FIELD MEASURE AND CUT TO FINAL LENGTH, USE DIP OR GSP
7	2	2" 90° ELBOW	END CONNECTIONS AS NEEDED
8	1	2" GATE VALVE WITH HANDWHEEL	PROVIDE A STAINLESS STEEL CHAIN AND BRASS LOCK
9	2	3" GATE VALVE WITH HANDWHEEL	PROVIDE 1 ONLY STAINLESS STEEL CHAIN AND BRASS LOCK
10	1	3" STRAINER	
11	1	3" ULTRASONIC OCTAVE BY MASTER METER	PROVIDE WITH REGISTER AND ANTENNA, ETC.
12	1	2" PIPE	FIELD MEASURE AND CUT TO FINAL LENGTH, USE DIP OR GSP
13	1	2" UNION	FITTING TO PROVIDE EASE OF MAINTENANCE
13.5	1	3" RFCA	
14	1	3" PIPE	FIELD MEASURE AND CUT TO FINAL LENGTH
15	1	INTENTIONALLY BLANK	
16	1	3" CHECK VALVE	VALMATIC WAFER STYLE CHECK VALVE 1400 SERIES OR APPROVED EQUAL
17	4	ADJUSTABLE PIPE STAND	BOLT TO FLOOR WHEN ADJUSTMENTS COMPLETE, USE SS HARDWARE
18	1	CONCRETE UTILITY VAULT WITH RING AND COVER	PRECAST OR CAST IN PLACE VAULT WITH MIN INSIDE DIMENSIONS OF 5' X 10' X 6', H-20 LOADING, WATER TIGHT JOINTS

NOTE:

ALL PIPE AND FITTINGS MUST BE EITHER DUCTILE IRON OR GALVANIZED STEEL FOR POTABLE WATER USE (FOR REFERENCE, PLUMBING AND VAULT ARE SHOWN TO SCALE USING DUCTILE IRON).
ALL CONNECTIONS WITHIN THE VAULT MUST BE RESTRAINED.

BACKFLOW PREVENTION DEVICES (REDUCED PRESSURE BACKFLOW PREVENTERS) SHALL BE INSTALLED BY THE DEVELOPER IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLUMBING CODE. SUCH DEVICES MAY BE INSPECTED ANNUALLY BY THE CITY PUBLIC WORKS DEPARTMENT.

15B

3" WATER METER BOM

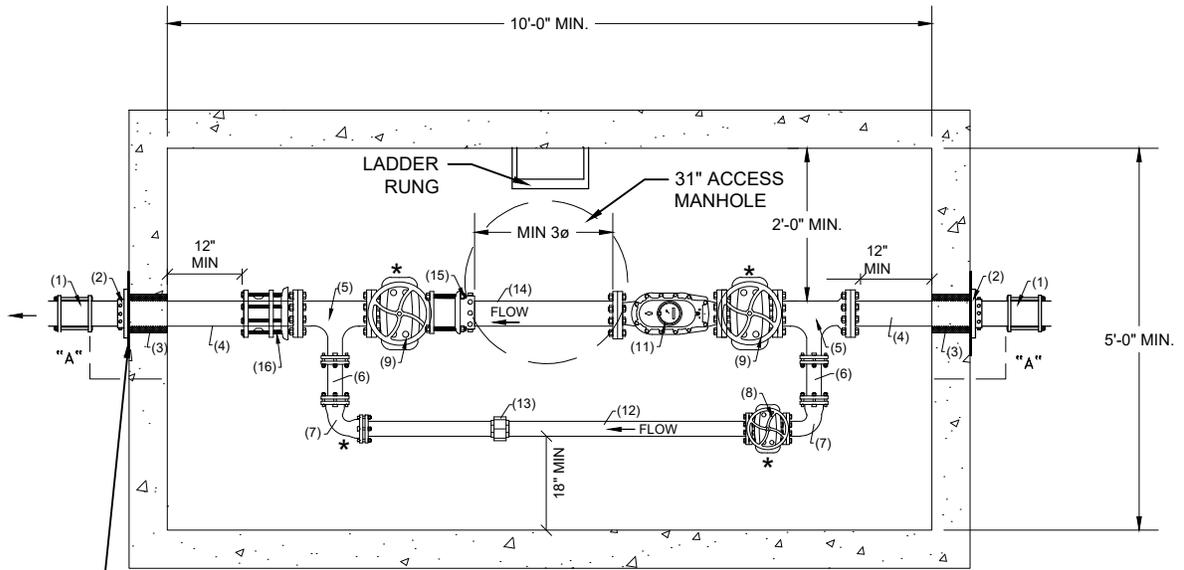
NTS

DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE
DESIGNED: DW	APPROVED BY WEST POINT CITY.
CHECKED: RC	
DATE: 03/2023	
REV	
REV	
REV	



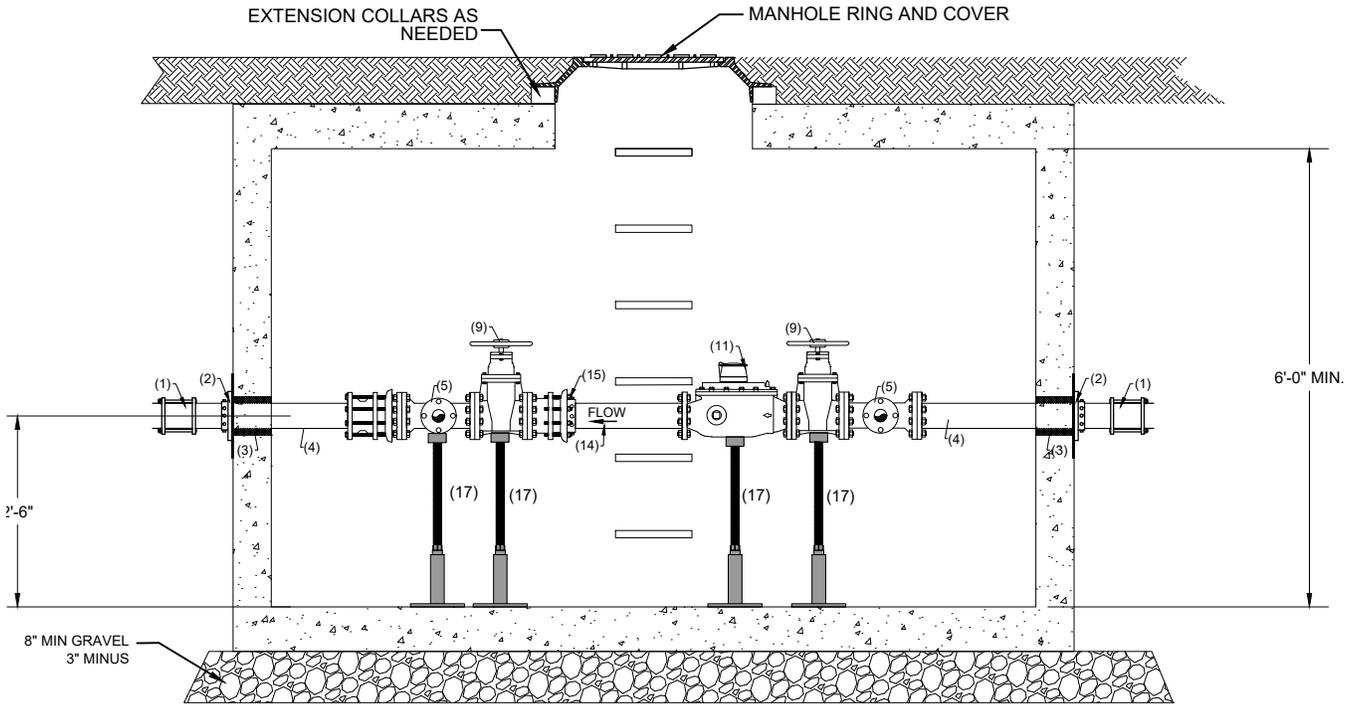
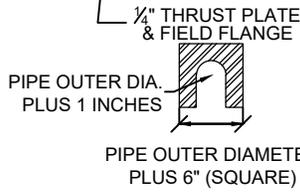
PLAN MODIFICATIONS	
WEST POINT CITY	
3" WATER METER BOM	SHEET 12B

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PLAN VIEW

* PIPE STAND LOCATIONS



SECTION A-A

16A 4" WATER METER DETAIL

1" = 2.5'

DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY WEST POINT CITY.
DESIGNED: DW	
CHECKED: RC	
DATE: 03/2023	
REV	
REV	
REV	



PLAN MODIFICATIONS
WEST POINT CITY
4" WATER METER DETAIL
SHEET 13A

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 MUNICIPAL • LAND SURVEYING
 1680 W 2100S, WEST HAVEN, UT 84405
 P 801.476.0202 F 801.476.0066

Bill of Materials - 4" Meter

#	Qty	Item	Note
1	2	4" COUPLING	
2	2	FIELD FLANGE AND 1/4" STEEL THRUST PLATE	
3	2	CORED HOLE AND GROUT PACK	
4	2	4" FL X PE PIPE	FIELD MEASURE AND CUT TO FINAL LENGTH
5	2	4" X 2" FL TEE	
6	2	2" FL X PE PIPE	FIELD MEASURE AND CUT TO FINAL LENGTH, USE DIP
7	2	2" 90° ELBOW	END CONNECTIONS AS NEEDED
8	1	2" FL GATE VALVE WITH HANDWHEEL	
9	2	4" FL GATE VALVE WITH HANDWHEEL	
10	1	INTENTIONALLY BLANK	
11	1	4" ULTRASONIC OCTAVE BY MASTER METER	PROVIDE WITH REGISTER AND ANTENNA, ETC.
12	1	2" FL X PE PIPE	FIELD MEASURE AND CUT TO FINAL LENGTH, USE DIP
13	1	2" UNION	
14	1	4" FL X PE PIPE	FIELD MEASURE AND CUT TO FINAL LENGTH
15	1	4" RESTRAINED FLANGED COUPLING ADAPTER	
16	1	4" CHECK VALVE	VALMATIC WAFER STYLE CHECK VALVE 1400 SERIES OR APPROVED EQUAL
17	4	ADJUSTABLE PIPE STAND	BOLT TO FLOOR WHEN ADJUSTMENTS COMPLETE, USE SS HARDWARE
18	1	5' X 10' CONCRETE UTILITY VAULT WITH RING AND COVER	AMCOR PRECAST, H-20 LOADING, WATER TIGHT JOINTS

NOTE:

GATE VALVE WITH HANDWHEEL SHALL INCLUDE A STAINLESS STEEL CHAIN AND BRASS LOCK

BACKFLOW PREVENTION DEVICES (REDUCED PRESSURE BACKFLOW PREVENTERS) SHALL BE INSTALLED BY THE DEVELOPER IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLUMBING CODE. SUCH DEVICES MAY BE INSPECTED ANNUALLY BY THE CITY PUBLIC WORKS DEPARTMENT.

16B

4" WATER METER BOM

NTS

DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY WEST POINT CITY.
DESIGNED: DW	
CHECKED: RC	
DATE: 03/2023	
REV	
REV	
REV	



PLAN MODIFICATIONS	
WEST POINT CITY	
4" WATER METER BOM	SHEET 13B

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 P 801.476.0202 F 801.476.0066

TRUFLO TF-500 SPEC SHEET

TRUFLO TF-500 BELOW GRADE BLOW-OFF HYDRANT SHALL BE SELF-DRAINING, NON-FREEZING TYPE WITH A DEPTH OF BURY. HYDRANT SHALL BE FURNISHED WITH A 2" VERTICAL (SHOWN) OR HORIZONTAL FIP INLET CONNECTION, A NON-TURNING OPERATING ROD AND SHALL OPEN TO THE LEFT. OUTLET SHALL BE 2" MIP WITH PLUG AND BE HOUSED IN A STANDARD 5-1/4" VALVE BOX.

ALL WATER FLOW SHALL PASS THRU A 2" STEEL PIPE AND CAST LOW LEAD BRASS WATERWAY. THE OPERATING DRIVE MECHANISM SHALL RAISE AND LOWER A PLUNGER TO CONTROL THE FLOW OF WATER AND SHALL BE SERVICEABLE FROM ABOVE GROUND WITH NO DIGGING OR REPLACEMENT NEEDED. SAID OPERATING DRIVE SHALL OPERATE WITH A 3/8" SQUARE DRIVE WRENCH. WHEN OPEN THE FLOW OF WATER SHALL BE UNOBSTRUCTED AND THE DRAIN HOLE SHALL BE COVERED.

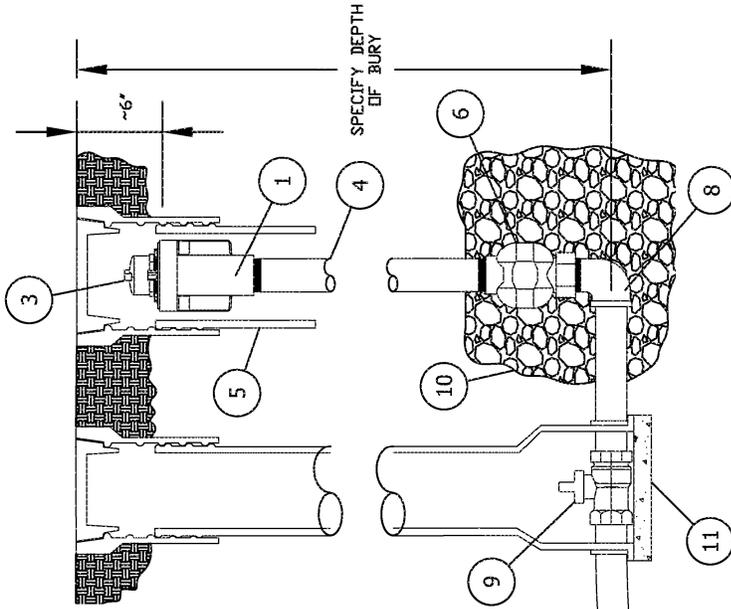
HYDRANT SHALL BE SET IN 4 CUBIC FEET OF CRUSHED STONE TO ALLOW FOR PROPER DRAINAGE OF HYDRANT. RECOMMENDATION OF THE AWWA SHOULD BE FOLLOWED WHEN INSTALLING THE HYDRANT.

THE TRUFLO TF-500 BELOW GRADE BLOW-OFF HYDRANT AS MANUFACTURED BY THE KUPFERLE FOUNDRY, ST. LOUIS MO. 63102 OR APPROVED EQUAL.

TRUFLO TF-500 MANUAL BLOW-OFF HYDRANT SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:

NOTES:

- 1) PIPING BY OTHERS
- 2) KUPFERLE RECOMMENDS USAGE OF A RISER PIPE AND A VALVE WRENCH.



ITEM	ITEM / DESCRIPTION	NOTES
1	TOP CAP	
2	9/16" OPERATING SCREW	
3	2" MIP OUTLET	SHOWN CAPPED
4	2" STEEL PIPE	
5	METER BOX	BY OTHERS
6	INLET VALVE	
7	DRAIN HOLE	
8	90° STREET ELBOW	BY OTHERS
9	HYDRANT SHUT-OFF VALVE	BY OTHERS
10	CRUSHED ROCK	BY OTHERS
11	SOLID CONCRETE BLOCK	BY OTHERS
12	RISER PIPE	OPTIONAL
13	OPERATING SCREW WRENCH	OPTIONAL

INITIALS	DATE
DRAWN DJL	12/11/17
APPROVED DJL	12/11/17
MODIFIED KJW	06/29/21

SCALE
1"=1'-0"

DATE	ISSUED FOR	STATUS / REVISION

2511 NORTH 9TH STREET
ST. LOUIS, MO 63102
1-800-231-3990
FAX 314-231-2820
www.hydrants.com

SHEET 1 OF 1

DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY WEST POINT CITY.
DESIGNED: DW	
CHECKED: RC	
DATE: 03/2023	
REV	
REV	
REV	



PLAN MODIFICATIONS
WEST POINT CITY
BLOW OFF DETAIL
SHEET 14

1800 W 2100 S, WEST JORDAN, UT 84061
P 801.476.6292 F 801.476.0066

17 BLOW OFF DETAIL

NTS

COVER (MIN.)

LAYTON CANAL	4'-0"
HOOPER CANAL	2'-0"
DAVIS COUNTY DRAIN	4'-0"
UDOT ROAD	SEE TABLE 1

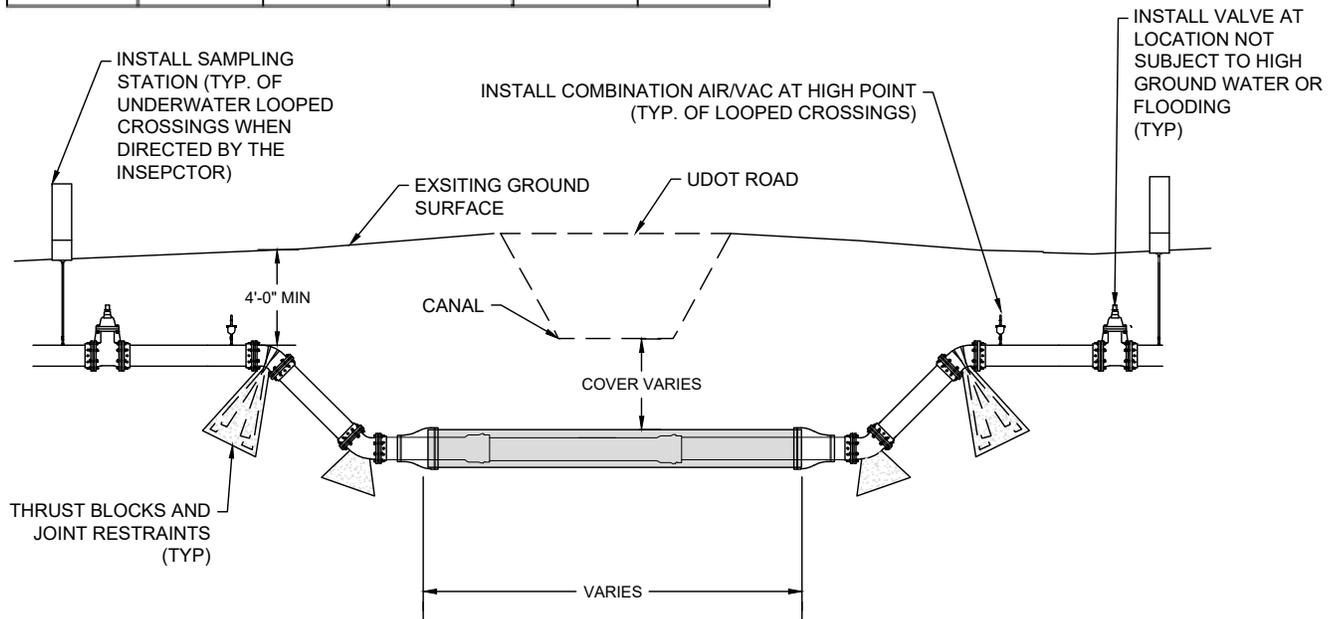
PIPE SIZE

CASING SIZE*

8"	16"
10"	18"
12"	24"
14"	30"
16"-20"	30"

* CASING WALL THICKNESS (0.375") MIN.
 * -METHOD OF INSTALLATION MAY REQUIRE THICKER WALL

MINIMUM DEPTH OF BURY TO TOP OF UTILITY (LONGITUDINAL AND CROSSING INSTALLATIONS)					
LOCATION	UNDER PAVEMENT	UNDER SIDEWALK	UNDER DITCH (NOTE B)	LOCATION < 20 FT FROM EDGE OF PAVEMENT	LOCATION > 20 FT FROM EDGE OF PAVEMENT
DEPTH	4 FT BELOW TOP OF PAVEMENT	3 FT BELOW TOP OF SIDEWALK	3 FT BELOW FLOWLINE	5 FT BELOW NATURAL GRADE	3 FT BELOW NATURAL GRADE



NOTE:

- CASINGS REQUIRE CENTRALIZING SPACERS AND END SEALS W/ S.S. BAND CLAMPS SUBMITTED TO INSPECTOR FOR APPROVAL PRIOR TO INSTALLATION.
- PVC PIPE REQUIRES SELF- RESTRAINING GASKETS ON PIPE JOINTS INSIDE OF CASING AND ONE PIPE JOINT EACH SIDE OF CASING.
- ISOLATION VALVE INSTALLATION IS REQUIRED ON EACH SIDE OF CASING.
- COMBINATION AIR/VAC VALVE INSTALLATION IS REQUIRED ON EACH SIDE OF LOOPED CROSSINGS.
- INSTALLATION OF A SAMPLING TAP OR OTHER ACCEPTABLE MEANS OF SAMPLING WILL BE REQUIRED TO ALLOW FOR REPRESENTATIVE WATER QUALITY TESTING ON THE UPSTREAM AND DOWNSTREAM SIDE OF THE CROSSING IF THE CITY INSPECTOR DETERMINES THAT ANOTHER MEANS OF SAMPLING DOES NOT EXIST NEAR THE GIVEN LOCATION.
- CROSSINGS SHALL BE COMMISSIONED AS AN INTEGRAL PART OF THE SURROUNDING PIPE SYSTEM (FLUSH, DISINFECT, PRESSURE TEST).

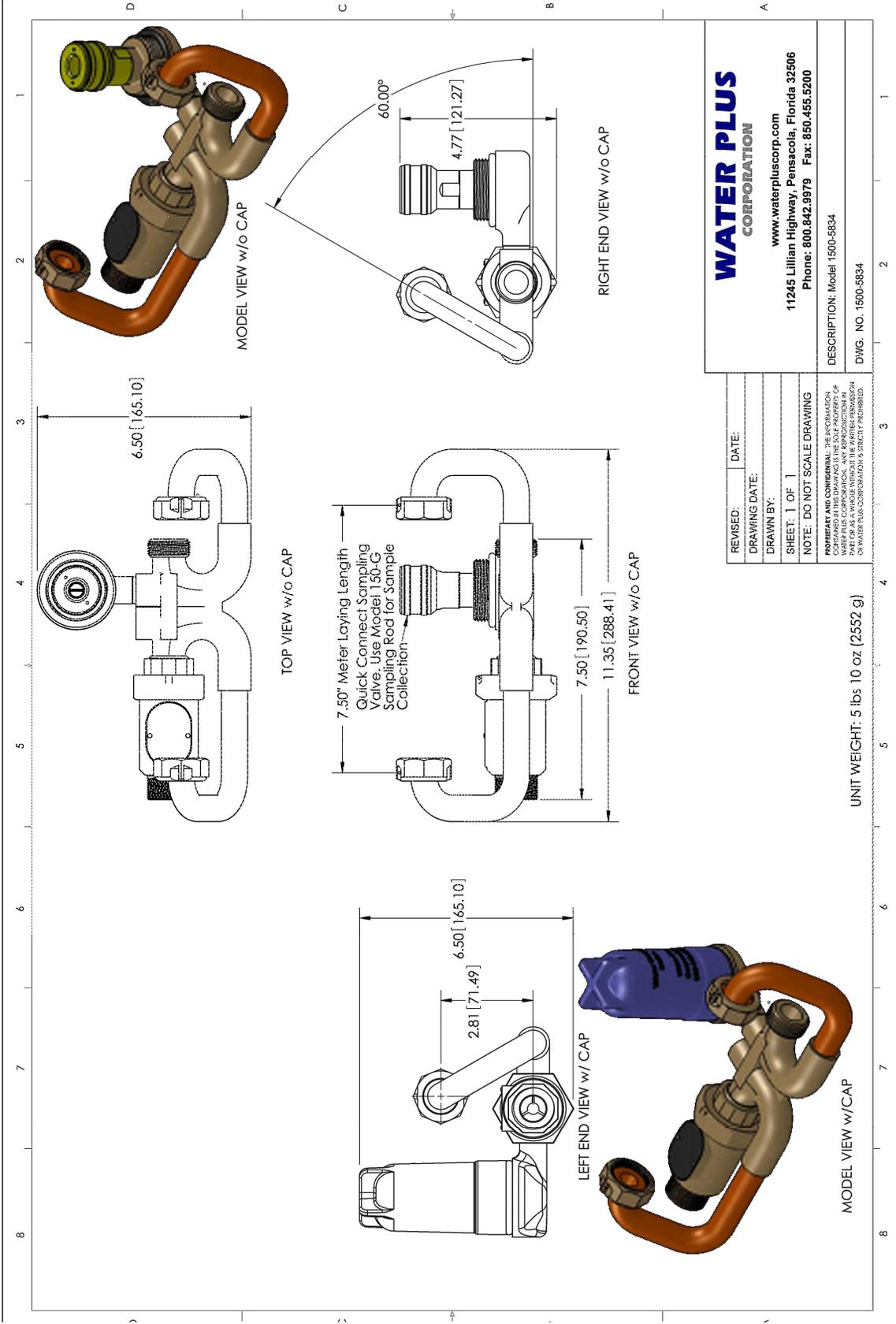
18 CANAL/UDOT CROSSING DETAIL

DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE
DESIGNED: DW	APPROVED BY WEST POINT CITY.
CHECKED: RC	
DATE: 03/2023	
REV	
REV	
REV	



PLAN MODIFICATIONS	
WEST POINT CITY	
CANAL/UDOT CROSSING DETAIL	SHEET 15

1989 W 2100S, WEST HAVEN, UT 84405
 P 801.476.0202 F 801.476.0066



WATER PLUS CORPORATION
 www.waterpluscorp.com
 11245 Lillian Highway, Pensacola, Florida 32506
 Phone: 800.842.9979 Fax: 850.455.5200

DESCRIPTION: Model 1500-5834
 DWG. NO. 1500-5834

REVISED:	DATE:
DRAWING DATE:	
DRAWN BY:	
SHEET: 1 OF 1	
NOTE: DO NOT SCALE DRAWING	
PROPRIETARY AND CONFIDENTIAL: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF WATER PLUS CORPORATION. NO PART OF THIS DRAWING OR ANY PART OF A WHOLE WITHOUT THE WRITTEN PERMISSION OF WATER PLUS CORPORATION IS STRICTLY PROHIBITED.	

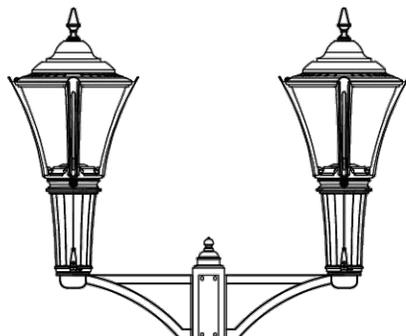
DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY WEST POINT CITY.
DESIGNED: DW	
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DATE: 03/2023	
REV	
REV	
REV	



PLAN MODIFICATIONS
WEST POINT CITY
SAMPLING STATION
SHEET 16



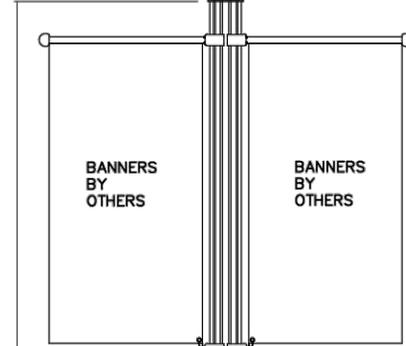
19 SAMPLING STATION DETAIL



FIXTURE PROVIDED BY STEVENS SALES
MPTR-1914-1675WW-RCD7-TN3-BK
DUAL BRACKET PROVIDED BY STEVENS SALES
HADCO CA4103. TO INCLUDE
GFCI OUTLET

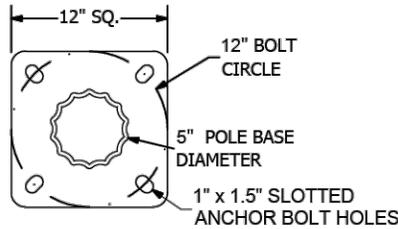
FAWS POSITION	LUMEN MULTIPLIER	SYSTEM WATTAGE
1	.30	.29
2	.50	.50
3	.60	.59
4	.68	.67
5	.77	.76
6	.84	.82
7	.90	.89
8	.94	.93
9	.99	.98
10	1.00	1.00

Factory set to position 10
6,209 STARTING LUMENS



BANNERS
BY
OTHERS

BANNERS
BY
OTHERS



12" BOLT
CIRCLE

5" POLE BASE
DIAMETER

1" x 1.5" SLOTTED
ANCHOR BOLT HOLES

14'

POLE BY STEVENS SALES
14' FLUTED ALUMINUM POLE.

25.75"

BASE BY STEVENS SALES
2 PIECE CLAM SHELL,
DECORATIVE ALUMINUM
BASE WITH LOGO IN
SANDED ALUMINUM WITH
CLEAR COAT FINISH

18"

Hood: Made of die cast A360.1 Aluminum alloy
0.100 (2.5mm) minimum thickness, mechanically
assembled to the cast aluminum heat sink.

Lens: UV-stabilized optical grade lens
with molded micro-optics.

LED Module: Composed of 48 high performance
white LEDs. Color temperature as per
ANSI/NEMA bin Warm White, 3000 Kelvin nominal,
CRI 70 Min. 75 Typical.

Optical System: (LE5, LE3), IES type V, or III.
Edge lit optical system, no substitutions*.
Optical system is rated IP66. 0% uplight
and U0 per IESNA TM 15. Dark sky complaint.

Driver: Electronic driver, Auto adjusting
universal voltage input from 120 to 277

Surge Protector: Surge protector 10kV/10kA.

Lumens: 6,209 lumens in type III, FAWS dial at 10*.

Wattage: Max 75 watts.

FAWS: Field Adjustable Wattage Switch.
No substitutions*

DRAWN BY	CJF
CHECKED BY	CJF
FINISH COLOR	BLACK
KELVIN COLOR	3000K
REVISION	----
DATE	2/20/20



CONTACT: CARSON FILLIN WITH STEVENS SALES COMPANY
CELL: 801-682-5893 EMAIL: CARSON@SSCO.NET
INSIDE SUPPORT: DANA ZAMORA. EMAIL: DANA@SSCO.NET

DWG #(S) R-052318-1S C4103-DWG03

DESC. WEST POINT CITY. LP-1

SHEET
1/1

20

STREET LIGHT 1

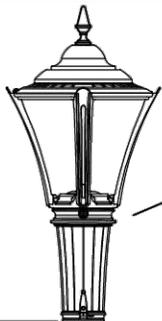
STREET LIGHT 1

DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE
DESIGNED: DW	APPROVED BY WEST POINT CITY.
CHECKED: RC	
DATE: 03/2023	
REV	
REV	
REV	



PLAN MODIFICATIONS	
WEST POINT CITY	
STREET LIGHT 1	SHEET 17





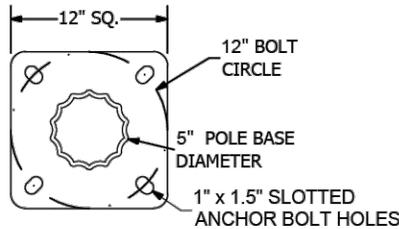
FIXTURE PROVIDED BY STEVENS SALES
MPTR-1914-1675WW-RCD7-TN3-BK

FAWS POSITION	LUMEN MULTIPLIER	SYSTEM WATTAGE
1	.30	.29
2	.50	.50
3	.60	.59
4	.68	.67
5	.77	.76
6	.84	.82
7	.90	.89
8	.94	.93
9	.99	.98
10	1.00	1.00

Factory set to position 10
6,209 STARTING LUMENS

POLE BY STEVENS SALES
14' FLUTED ALUMINUM POLE.

14'



BASE BY STEVENS SALES
2 PIECE CLAM SHELL,
DECORATIVE ALUMINUM
BASE WITH LOGO IN
SANDED ALUMINUM WITH
CLEAR COAT FINISH

25.75"

18"

Hood: Made of die cast A360.1 Aluminum alloy
0.100 (2.5mm) minimum thickness, mechanically
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Lens: UV-stabilized optical grade lens
with molded micro-optics.

LED Module: Composed of 48 high performance
white LEDs. Color temperature as per
ANSI/NEMA bin Warm White, 3000 Kelvin nominal,
CRI 70 Min. 75 Typical.

Optical System: (LE5, LE3), IES type V, or III.
Edge lit optical system, no substitutions*.
Optical system is rated IP66. 0% uplight
and U0 per IESNA TM 15. Dark sky complaint.

Driver: Electronic driver, Auto adjusting
universal voltage input from 120 to 277

Surge Protector: Surge protector 10kV/10kA.

Lumens: 6,209 lumens in type III, FAWS dial at 10*.

Wattage: Max 75 watts.

FAWS: Field Adjustable Wattage Switch.
No substitutions*

Photocell Receptacle: 7 pin.

DRAWN BY	CJF	SSCO EST. 1914 Stevens Sales Company
CHECKED BY	CJF	
FINISH COLOR	BLACK	
KELVIN COLOR	3000K	
REVISION	----	
DATE	2/20/20	

CONTACT: CARSON FILLIN WITH STEVENS SALES COMPANY
CELL: 801-682-5893 EMAIL: CARSON@SSCO.NET
INSIDE SUPPORT: DANA ZAMORA. EMAIL: DANA@SSCO.NET

DWG #(S) R-1254041218-3S

DESC. WEST POINT CITY. LP-2

SHEET
1/1

21

STREET LIGHT 2

NTS

DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE
DESIGNED: DW	APPROVED BY WEST POINT CITY.
CHECKED: RC	
DATE: 03/2023	
REV	
REV	
REV	



PLAN MODIFICATIONS

WEST POINT CITY

STREET LIGHT 2

SHEET 18

GARDNER ENGINEERING
CIVIL • LAND PLANNING
MUNICIPAL • LAND SURVEYING
1889 W 2100S, WEST HAVEN, UT 84405
P 801.476.0202 F 801.476.0066



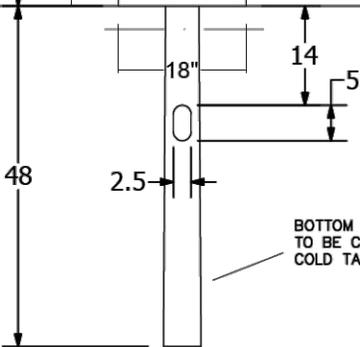
FIXTURE PROVIDED BY STEVENS SALES
MPTR-1914-1675WW-RCD7-TN3-BK

12'

FAWS POSITION	LUMEN MULTIPLIER	SYSTEM WATTAGE
1	.30	.29
2	.50	.50
3	.60	.59
4	.68	.67
5	.77	.76
6	.84	.82
7	.90	.89
8	.94	.93
9	.99	.98
10	1.00	1.00

POLE BY STEVENS SALES
12' TAPERED STEEL POLE
DIRECT BURIAL (16' OVERALL
HEIGHT)

26"
BASE BY STEVENS SALES
2 PIECE CLAM SHELL,
DECORATIVE ALUMINUM
BASE WITH LOGO IN
SANDED ALUMINUM WITH
CLEAR COAT FINISH



BOTTOM 4' OF POLE
TO BE COVERED IN
COLD TAR EPOXY

Hood: Made of die cast A360.1 Aluminum alloy
0.100 (2.5mm) minimum thickness, mechanically
assembled to the cast aluminum heat sink.

Lens: UV-stabilized optical grade lens
with molded micro-optics.

LED Module: Composed of 48 high performance
white LEDs. Color temperature as per
ANSI/NEMA bin Warm White, 3000 Kelvin nominal,
CRI 70 Min. 75 Typical.

Optical System: (LE5, LE3), IES type V, or III.
Edge lit optical system, no substitutions*.
Optical system is rated IP66. 0% uplight
and U0 per IESNA TM 15. Dark sky complaint.

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universal voltage input from 120 to 277

Surge Protector: Surge protector 10kV/10kA.

Lumens: 6,209 lumens in type III, FAWS dial at 10*.

Wattage: Max 75 watts.

FAWS: Field Adjustable Wattage Switch.
No substitutions*

Photocell Receptacle: 7 pin.

DRAWN BY	CJF
CHECKED BY	CJF
FINISH COLOR	BLACK
KELVIN COLOR	3000K
REVISION	----
DATE	2/20/20



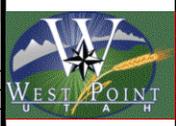
CONTACT: CARSON FILLIN WITH STEVENS SALES COMPANY
CELL: 801-682-5893 EMAIL: CARSON@SSCO.NET
INSIDE SUPPORT: DANA ZAMORA. EMAIL: DANA@SSCO.NET

DWG #(S)	R-052318-2S
DESC.	WEST POINT CITY. LP-3
SHEET	1/1

22 STREET LIGHT 3

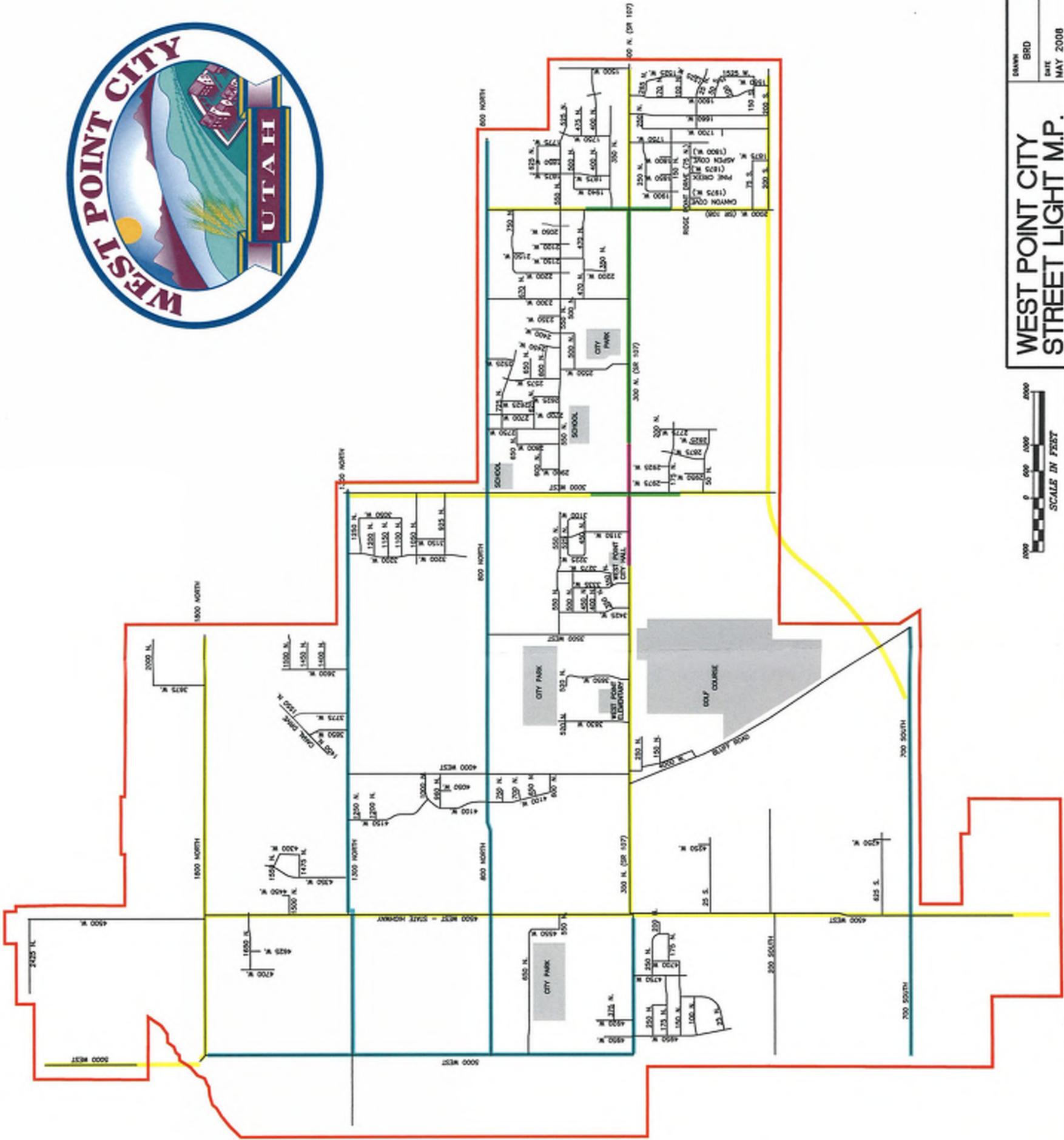
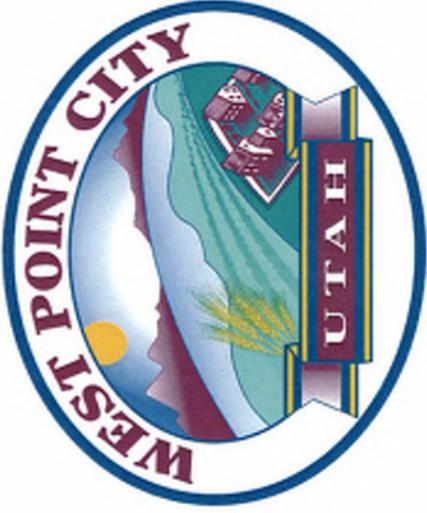
NTS

DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE APPROVED BY WEST POINT CITY.
DESIGNED: DW	
CHECKED: RC	
DATE: 03/2023	
REV	
REV	
REV	



PLAN MODIFICATIONS
WEST POINT CITY
STREET LIGHT 3
SHEET 19





STREET LIGHT LEGEND

- DOWNTOWN - LP1 - 150' SPACING
- CENTRAL BUSINESS DISTRICT - LP1 - 200' SPACING
- ARTERIALS - LP2 - 200' SPACING
- COLLECTORS - LP2 - 330' SPACING
- RESIDENTIAL - LP3 - 660' SPACING



**WEST POINT CITY
STREET LIGHT M.P.**

DRAWN BRD	CHECKED JCA	DRAWING NUMBER
DATE MAY 2008	APPROVED	FILE NUMBER



NOTE

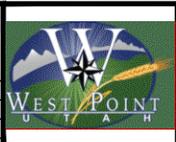
- REFER TO APWA PLAN 292

24

STREET SIGN

NTS

DRAFTED: LZ	DEVIATIONS FROM STANDARDS MUST BE
DESIGNED: DW	APPROVED BY WEST POINT CITY.
CHECKED: RC	
DATE: 03/2023	
REV	
REV	
REV	



PLAN MODIFICATIONS	
WEST POINT CITY	
STREET SIGN STANDARD	SHEET 21

GARDNER ENGINEERING
 CIVIL • LAND PLANNING
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