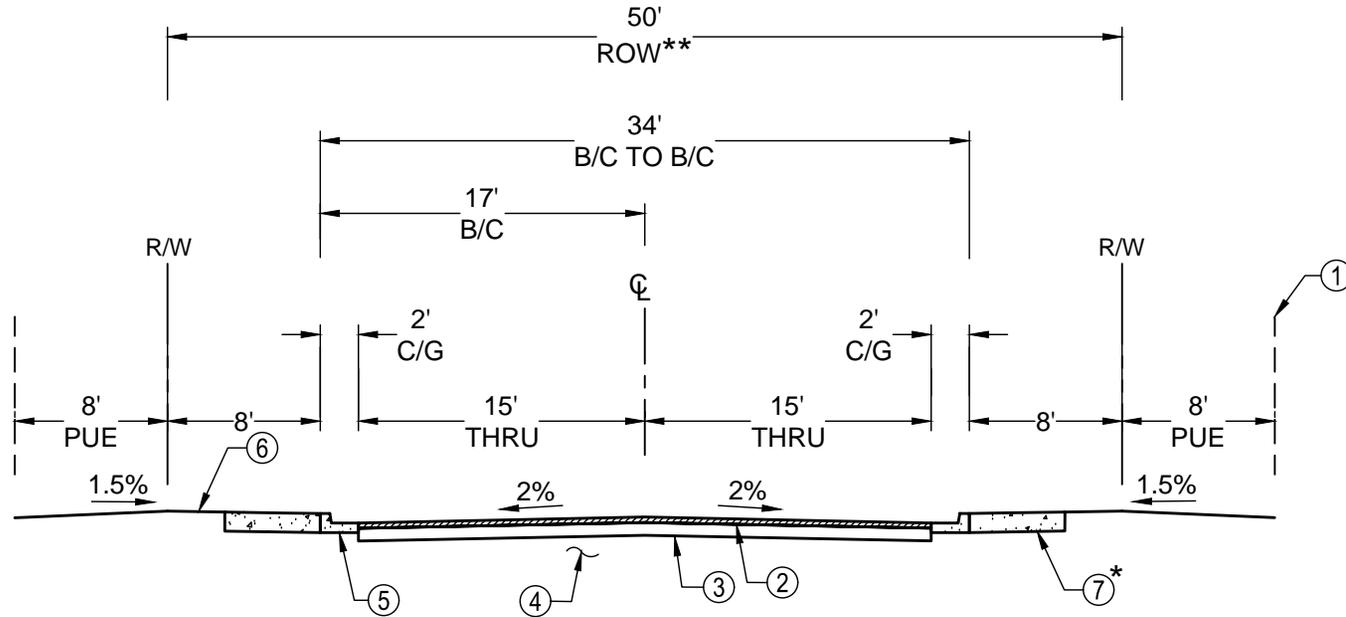


## TYPICAL STREET SECTION 50-FT RIGHT-OF-WAY



① THE CITY ENGINEER RESERVES THE RIGHT TO MODIFY THIS RIGHT-OF-WAY BASED ON THE SPECIFIC NEEDS OF THE LOCAL STREET.

② ASPHALTIC CONCRETE PAVEMENT:

A. THE THICKNESS SHALL BE A MINIMUM OF 3" AND SHALL CONSIST OF 1 LIFT.

B. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 321 AND 710.

③ BASE COURSE SHALL BE 8" THICK MINIMUM. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 310 AND 702.

④ THE SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH MAG STANDARD SPECIFICATIONS, SECTION 301.

⑤ 6" VERTICAL CURB & GUTTER PER MAG STD. DET. 220, TYPE A.

⑥ STREETSCAPE ZONE. DESIGN MUST BE APPROVED BY CITY STAFF AND MEET ALL SIGHT DISTANCE REQUIREMENTS.

⑦ 5-FT ATTACHED CONCRETE SIDEWALK.

\*\*PER ARIZONA REVISED STATUTES TURF IS NOT ALLOWED IN THE RIGHT OF WAY

\*ALL SIDEWALKS ABUTTING SCHOOLS SHALL BE 10-FT WIDE MINIMUM.

DETAIL NO.

**A1100**

**Avondale**  
STANDARD DETAIL

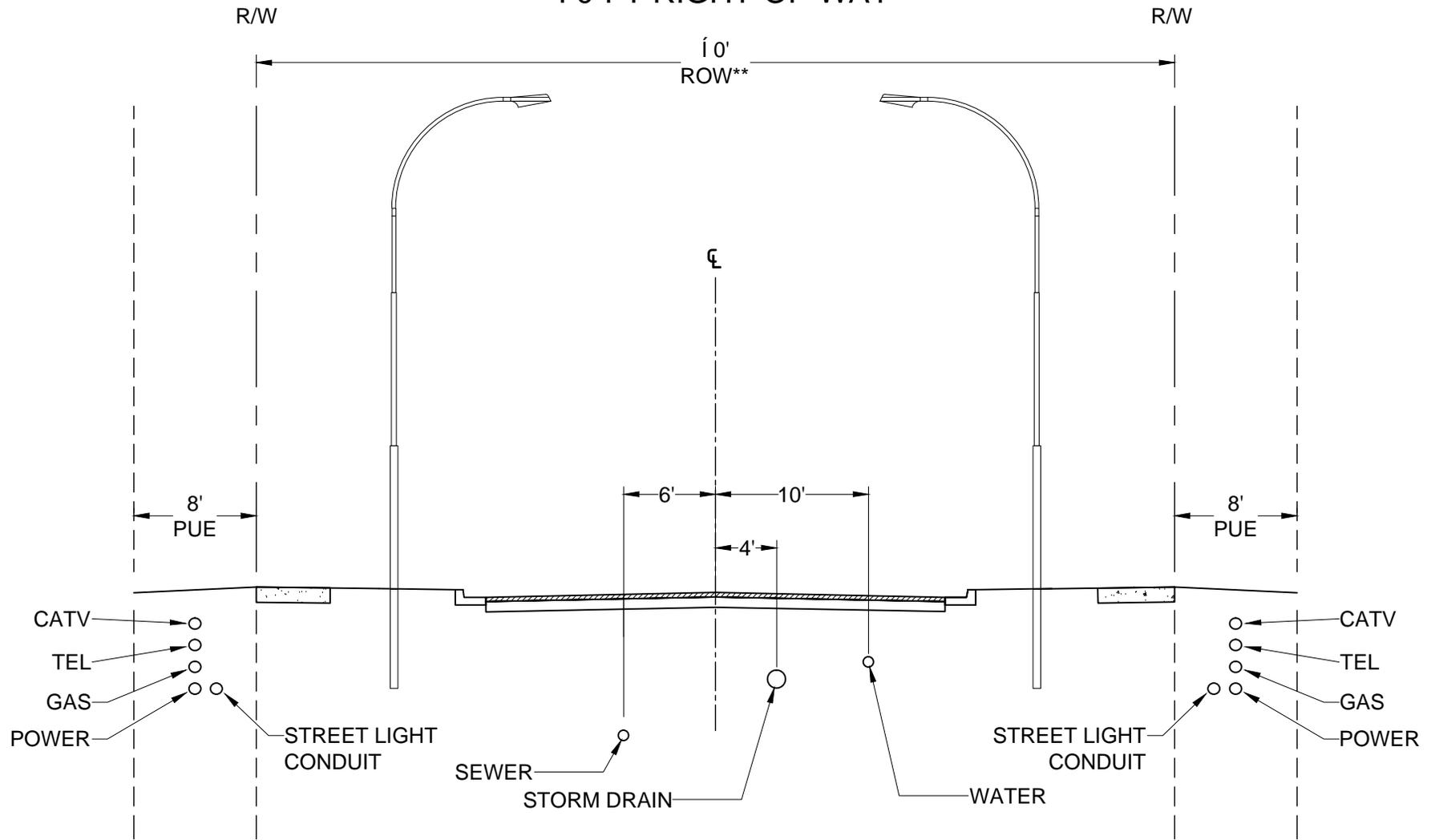
**LOCAL STREETSCAPE  
SECTION**

APPROVED BY:

DATE:

*David S. Jones*  
8.24.16

# TYPICAL STREET SECTION 10'-FT RIGHT-OF-WAY



\*\* PER ARIZONA REVISED STATUTES NO TURF IS ALLOWED IN THE RIGHT OF WAY.

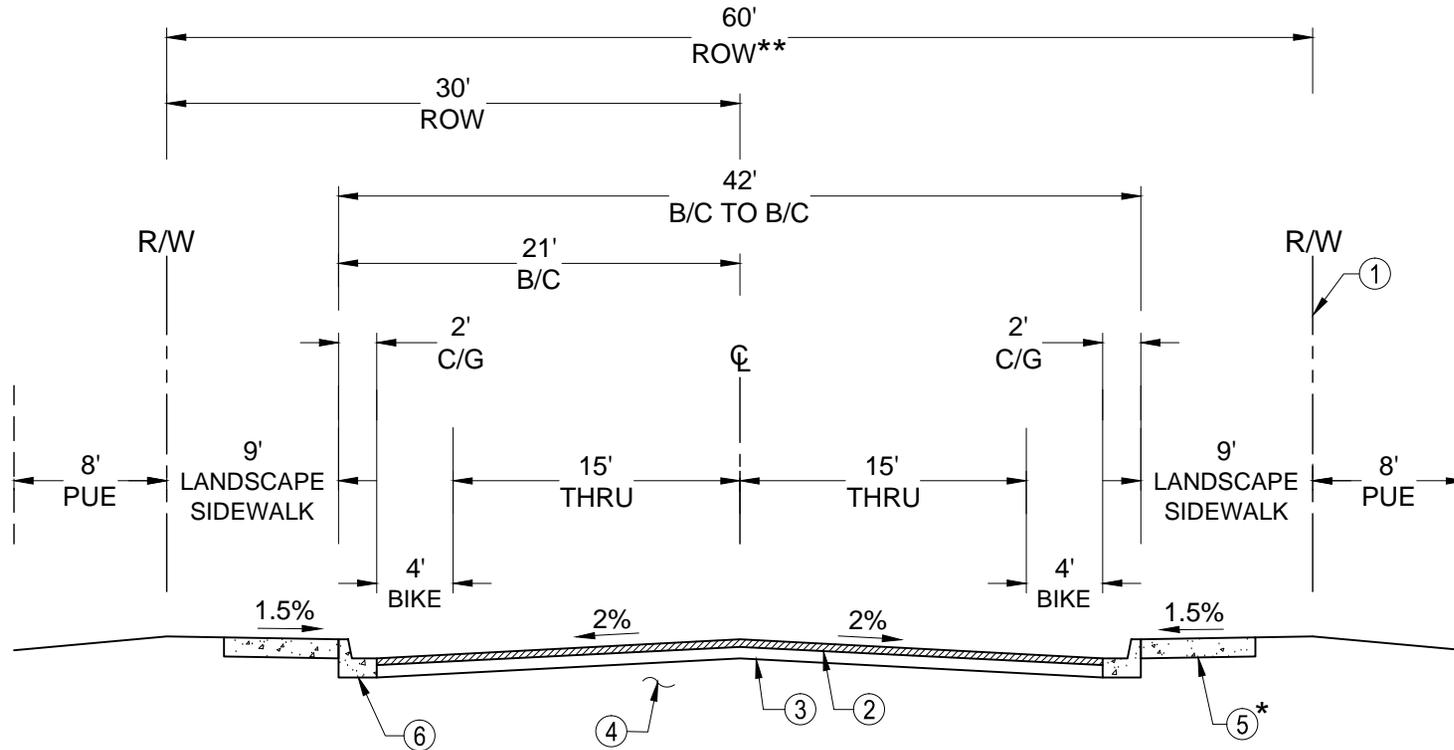
DETAIL NO.  
**A1100-3**

**Avondale**  
STANDARD DETAIL

**LOCAL STREETSCAPE  
UTILITY LOCATION**

APPROVED BY: *David S. Gower*  
DATE: 8.24.16

**TYPICAL STREET SECTION  
60-FT RIGHT-OF-WAY  
NO PARKING**



- ① ADDITIONAL RIGHT-OF-WAY SHALL BE PROVIDED WHERE NECESSARY TO ACCOMMODATE DUAL LEFT TURN LANES, RIGHT TURN LANES, TRANSIT STOPS AND/OR PEDESTRIAN REFUGE AREAS.
- ② ASPHALTIC CONCRETE PAVEMENT:
  - A. THE THICKNESS SHALL BE A MINIMUM OF 5" AND SHALL CONSIST OF 2 LIFTS.
  - B. ALL CONSTRUCTION MATERIAL SHALL CONFORM TO MAG STANDARDS SPECIFICATIONS, SECTIONS 321 AND 710.

- ③ BASE COURSE SHALL BE 12" THICK MINIMUM. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 310 AND 702.
- ④ THE SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH MAG STANDARDS SPECIFICATIONS, SECTION 301.
- ⑤ 6-FT ATTACHED CONCRETE SIDEWALK.
- ⑥ CONCRETE VERTICAL CURB & GUTTER PER MAG STD. DET. 220, TYPE A

\*\* PER ARIZONA REVISED STATUTE TURF IS NOT ALLOWED IN THE RIGHT OF WAY.

\* ALL SIDEWALKS ABUTTING SCHOOLS SHALL BE 10-FT WIDE MINIMUM.

DETAIL NO.

**A1101**

**Avondale**  
STANDARD DETAIL

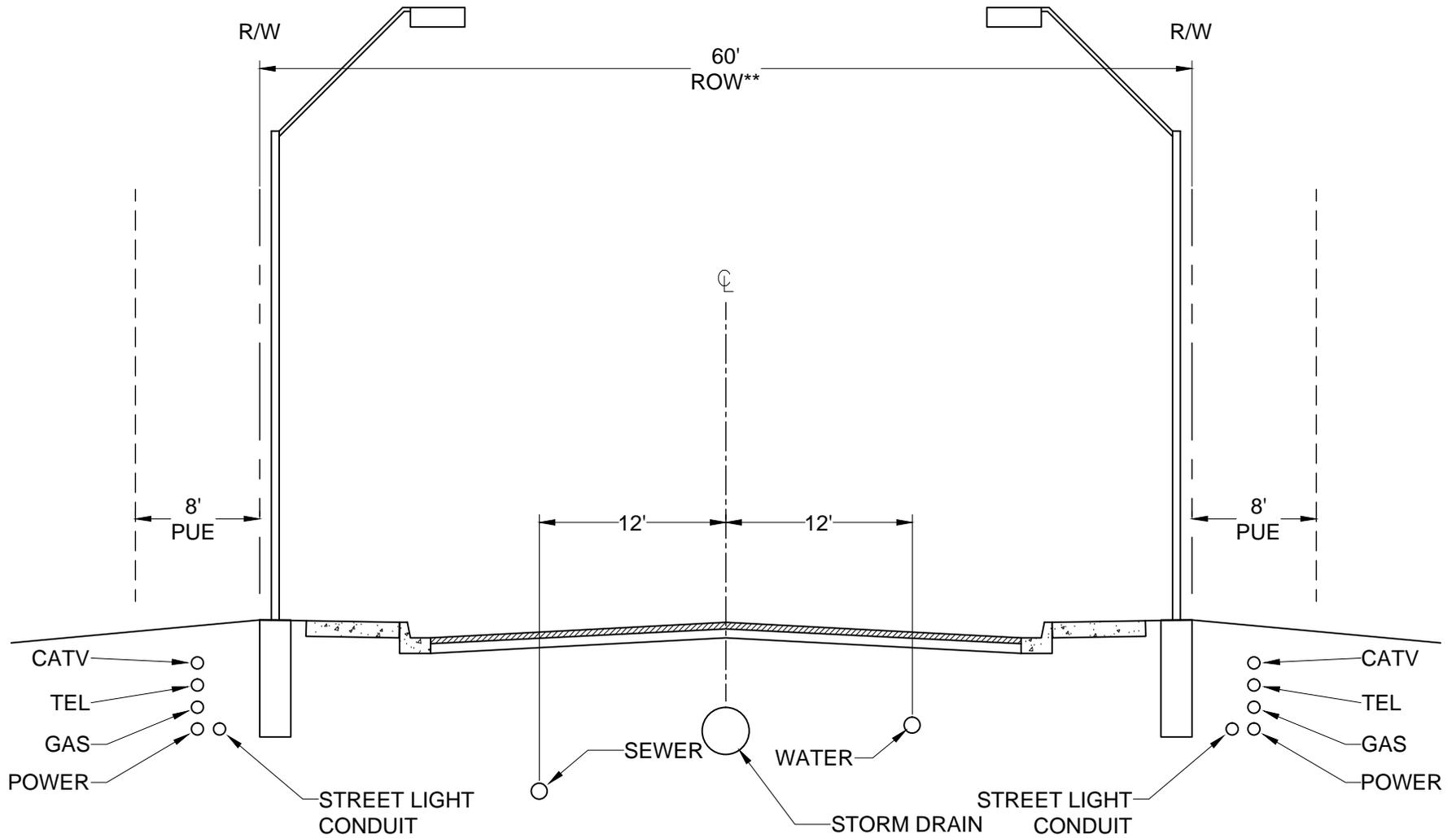
**INDUSTRIAL COLLECTOR  
SECTION**

APPROVED BY:

DATE:

*David S. Jones*  
8.24.16

# TYPICAL STREET SECTION 60-FT RIGHT-OF-WAY



\*\* PER ARIZONA REVISED STATUTES NO TURF IS ALLOWED IN THE RIGHT OF WAY.

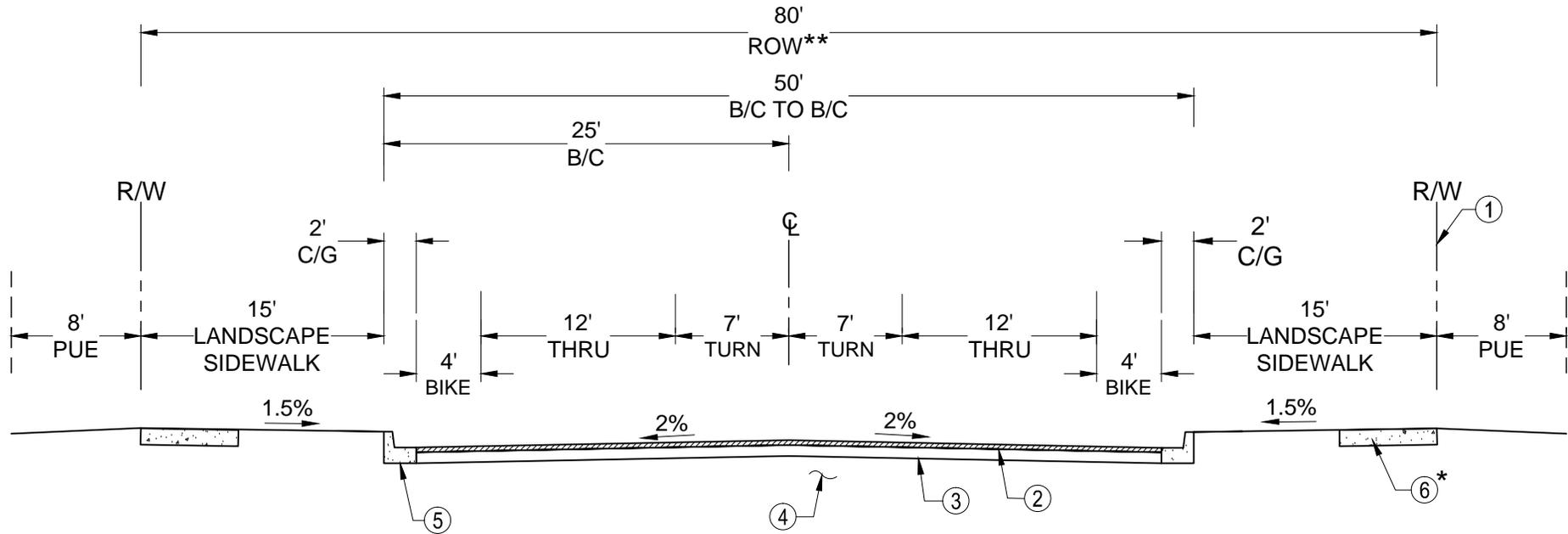
DETAIL NO.  
**A1101-3**

**Avondale**  
STANDARD DETAIL

**COMMERCIAL & INDUSTRIAL  
COLLECTOR UTILITY LOCATION**

APPROVED BY: *David S. Jones*  
DATE: 8.24.16

**TYPICAL STREET SECTION**  
**80-FT RIGHT-OF-WAY**  
 NO PARKING



① ADDITIONAL RIGHT-OF-WAY SHALL BE PROVIDED WHERE NECESSARY TO ACCOMMODATE DUAL LEFT TURN LANES, RIGHT TURN LANES, TRANSIT STOPS AND/OR PEDESTRIAN REFUGE AREAS.

② ASPHALTIC CONCRETE PAVEMENT:  
 A. THE THICKNESS SHALL BE A MINIMUM OF 3.5" AND SHALL CONSIST OF 2 LIFTS.  
 B. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 321 AND 710

③ BASE COURSE SHALL BE 10" THICK MINIMUM. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 310 TO 702.

④ THE SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH MAG STANDARD SPECIFICATIONS, SECTION 301.

⑤ 6" CONCRETE VERTICAL CURB & GUTTER PER MAG DETAIL 220, TYPE A.

⑥ 6-FT DETACHED CONCRETE SIDEWALK.

\*\* PER ARIZONA REVISED STATUTES TURF IS NOT ALLOWED IN RIGHT OF WAY.

\* ALL SIDEWALKS ABUTTING SCHOOLS SHALL BE 10-FT WIDE MINIMUM.

DETAIL NO.

**A1102**

**Avondale**  
 STANDARD DETAIL

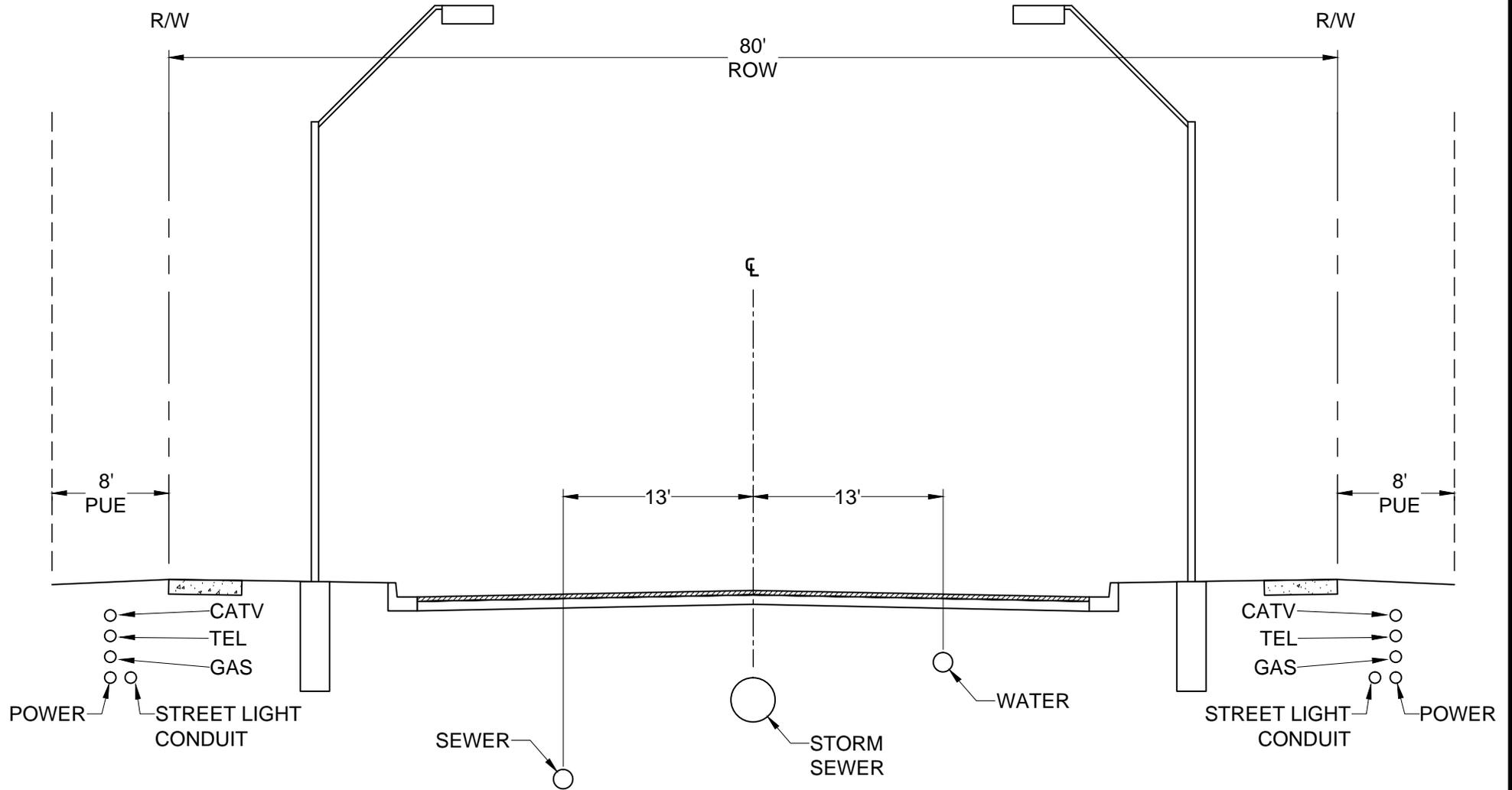
**MINOR COLLECTOR**  
**SECTION**

APPROVED BY:

DATE:

*David S. Jones*  
 8.24.16

# TYPICAL STREET SECTION 80-FT RIGHT-OF-WAY



\*\* PER ARIZONA REVISED STATUTES NO TURF IS ALLOWED IN THE RIGHT OF WAY.

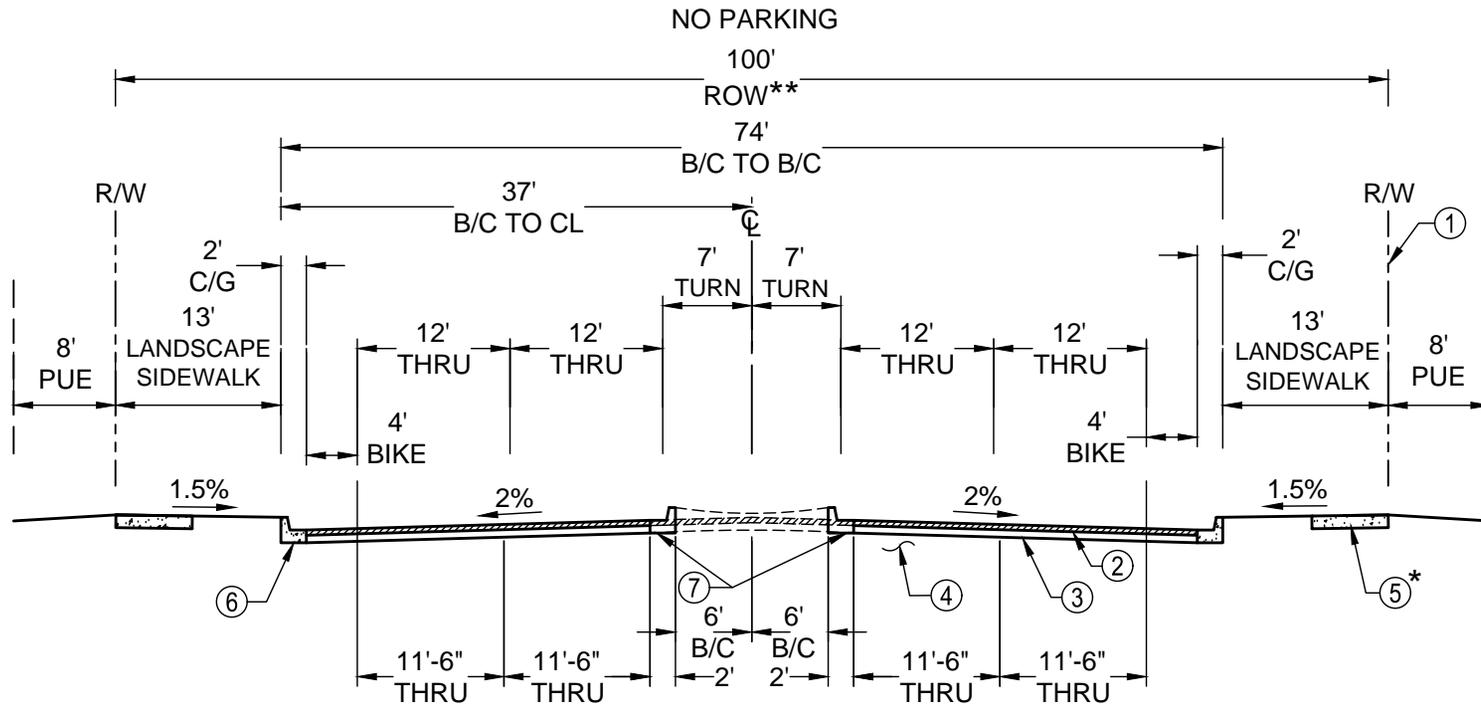
DETAIL NO.  
**A1102-3**

**Avondale**  
STANDARD DETAIL

**MINOR COLLECTOR  
UTILITY LOCATION**

APPROVED BY: *David S. Gower*  
DATE: 8.24.16

# TYPICAL STREET SECTION 100-FT RIGHT-OF-WAY



① ADDITIONAL RIGHT-OF-WAY SHALL BE PROVIDED WHERE NECESSARY TO ACCOMMODATE DUAL LEFT TURN LANES, RIGHT TURN LANES, TRANSIT STOPS AND/OR PEDESTRIAN REFUGE AREAS.

② ASPHALTIC CONCRETE PAVEMENT:  
 A. THE THICKNESS SHALL BE A MINIMUM OF 4" AND SHALL CONSIST OF 2 LIFTS.  
 B. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 321 AND 710

③ BASE COURSE SHALL BE 10" THICK MINIMUM. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 310 TO 702.

④ THE SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH MAG STANDARD SPECIFICATIONS, SECTION 301.

⑤ 6-FT CONCRETE SIDEWALK.

⑥ CONCRETE VERTICAL CURB & GUTTER PER MAG STD. DET. 220, TYPE A

⑦ A RAISED MEDIAN OPTION MAY BE IMPLEMENTED WHERE APPROVED BY CITY STAFF. IT REQUIRES A WIDER MEDIAN WITH REDUCED THRU LANES (SEE DIMENSIONS BELOW STREET SECTION).

\*\* PER ARIZONA REVISED STATUTES TURF IS NOT ALLOWED IN THE RIGHT OF WAY.

\* ALL SIDEWALKS ABUTTING SCHOOLS SHALL BE 10-FT WIDE MINIMUM.

DETAIL NO.

**A1103**

**Avondale**  
STANDARD DETAIL

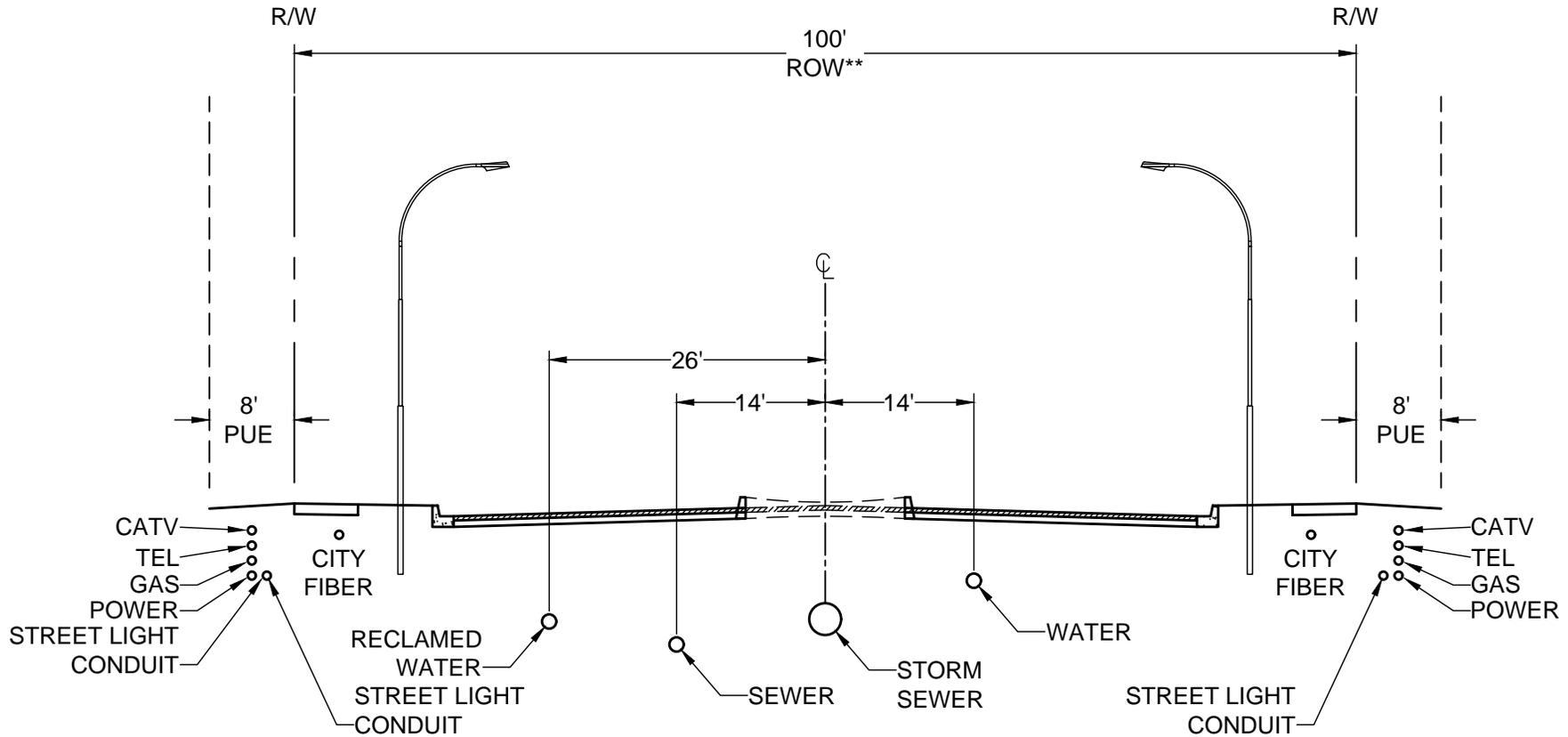
**MINOR ARTERIAL  
SECTION**

APPROVED BY:

DATE:

*David S. Jones*  
8.24.16

# TYPICAL STREET SECTION 100-FT RIGHT-OF-WAY



\*\* PER ARIZONA REVISED STATUTES NO TURF IS ALLOWED IN THE RIGHT OF WAY.

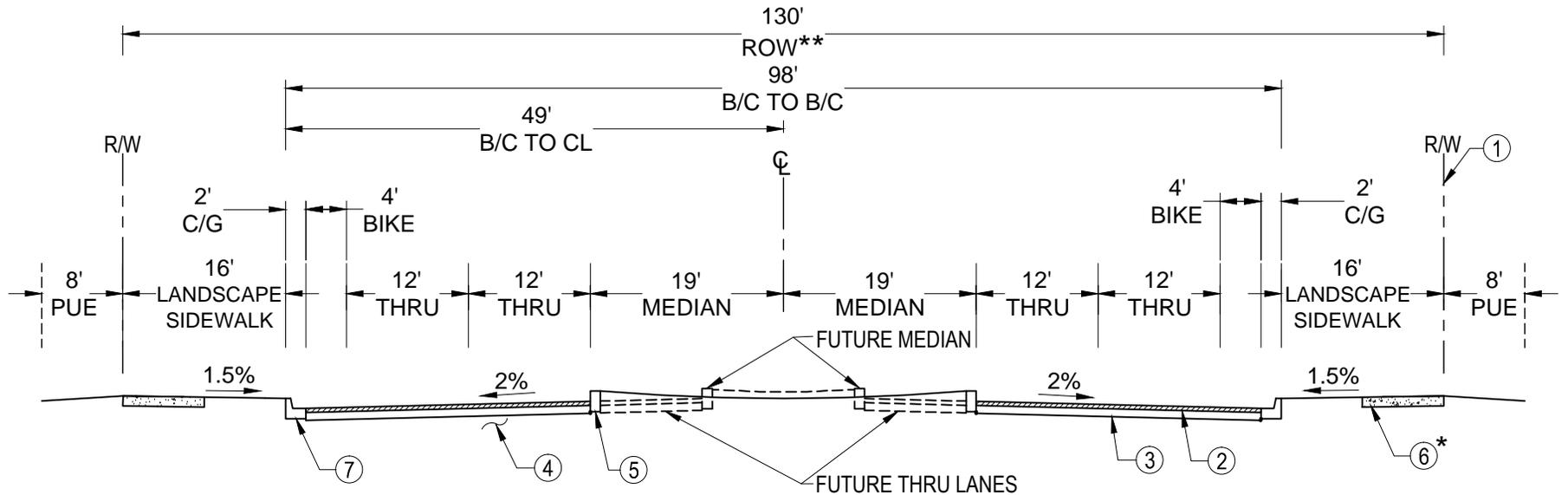
DETAIL NO.  
**A1103-3**

**Avondale**  
STANDARD DETAIL

**MINOR ARTERIAL  
UTILITY LOCATION**

APPROVED BY: *David S. Jones*  
DATE: 8.24.16

**TYPICAL STREET SECTION**  
**130-FT RIGHT-OF-WAY**  
 NO PARKING



① ADDITIONAL RIGHT-OF-WAY SHALL BE PROVIDED WHERE NECESSARY TO ACCOMMODATE DUAL LEFT TURN LANES, RIGHT TURN LANES, TRANSIT STOPS AND/OR PEDESTRIAN REFUGE AREAS.

② ASPHALTIC CONCRETE PAVEMENT:  
 A. THE THICKNESS SHALL BE A MINIMUM OF 5" AND SHALL CONSIST OF 2 LIFTS.  
 B. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 321 AND 710

③ BASE COURSE SHALL BE 12" THICK MINIMUM. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 310 AND 702.

④ THE SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH MAG STANDARD SPECIFICATIONS, SEC. 301.

⑤ CONCRETE SINGLE CURB PER STD. DET. 222, TYPE A.

⑥ 6-FT DETACHED CONCRETE SIDEWALK.

⑦ CONCRETE VERTICAL CURB & GUTTER PER MAG STD. DET. 220, TYPE A.

\*\* PER ARIZONA REVISED STATUTES NO TURF IS ALLOWED IN THE RIGHT OF WAY.

\* ALL SIDEWALKS ABUTTING SCHOOLS SHALL BE 10-FT WIDE MINIMUM.

DETAIL NO.

**A1104**

**Avondale**  
 STANDARD DETAIL

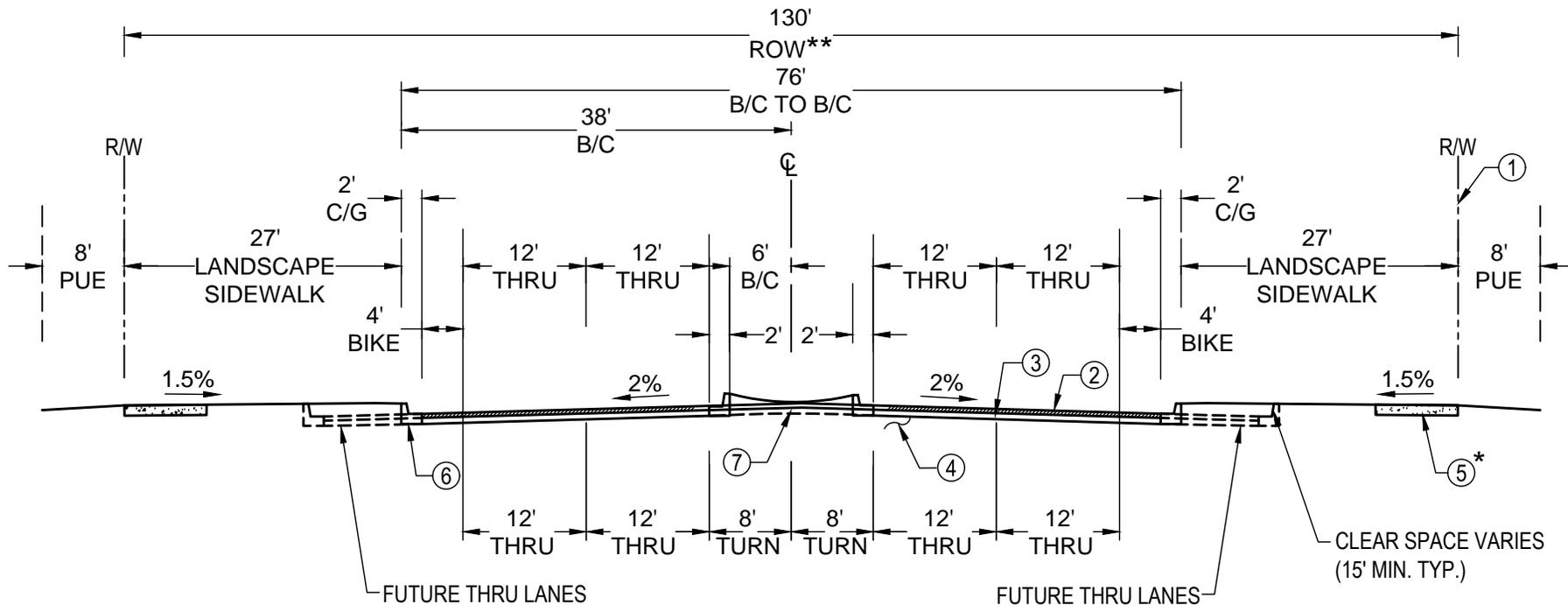
**PHASED ARTERIAL SECTION**  
**(INSIDE)**

APPROVED BY:

DATE:

*David S. Jones*  
 8.24.16

**TYPICAL STREET SECTION**  
**130-FT RIGHT-OF-WAY**  
 NO PARKING



- ① ADDITIONAL RIGHT-OF-WAY SHALL BE PROVIDED WHERE NECESSARY TO ACCOMMODATE DUAL LEFT TURN LANES, RIGHT TURN LANES, TRANSIT STOPS AND/OR PEDESTRIAN REFUGE AREAS.
- ② ASPHALTIC CONCRETE PAVEMENT:
  - A. THE THICKNESS SHALL BE A MINIMUM OF 5" AND SHALL CONSIST OF 2 LIFTS.
  - B. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 321 AND 710
- ③ BASE COURSE SHALL BE 12" THICK MINIMUM. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 310 AND 702.

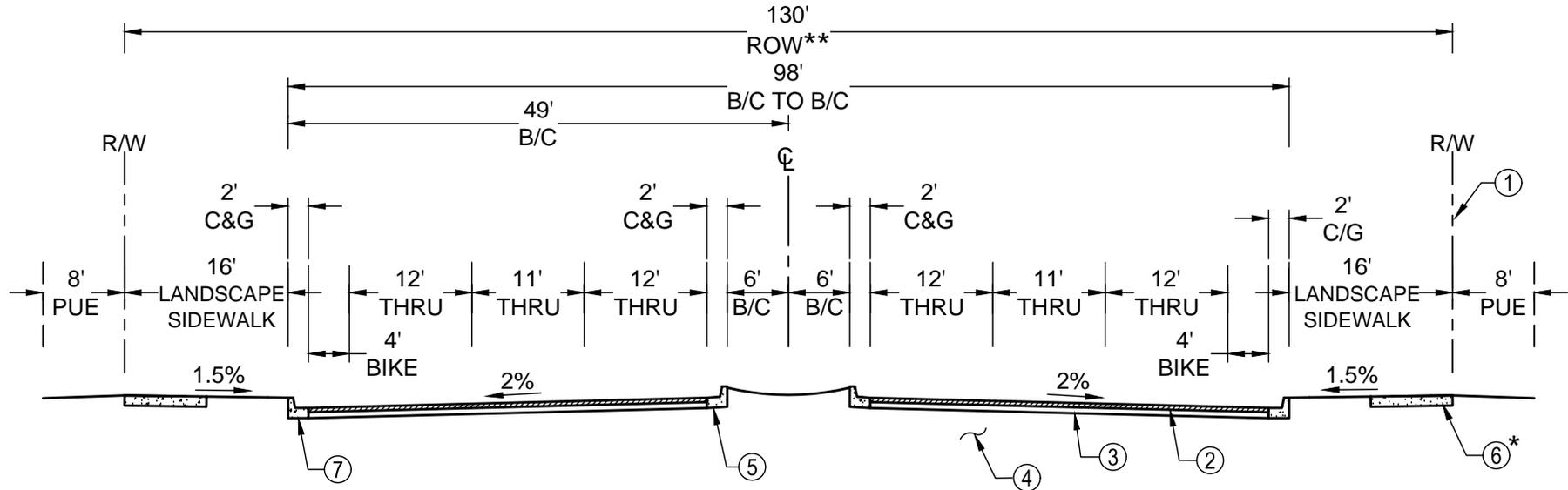
- ④ THE SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH MAG STANDARD SPECIFICATIONS, SECTION 301.
- ⑤ 8-FT MEANDERING CONCRETE SIDEWALK.
- ⑥ CONCRETE VERTICAL CURB & GUTTER PER MAG STD. DET. 220, TYPE A
- ⑦ A CENTER PAVED OPTION MAY BE IMPLEMENTED BY CITY STAFF. IT REQUIRES A 16' TWO WAY LEFT TURN LANE STRIPING SCHEME (SEE DIMENSIONS BELOW STREET SECTION).

\*\* PER ARIZONA REVISED STATUTES NO TURF IS ALLOWED IN THE RIGHT OF WAY.

\* ALL SIDEWALKS ABUTTING SCHOOLS SHALL BE 10-FT WIDE MINIMUM.

DETAIL NO. <b>A1105</b>	<b>Avondale</b> STANDARD DETAIL	<b>PHASED ARTERIAL SECTION</b> <b>(OUTSIDE)</b>	APPROVED BY: DATE: 8.24.16
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**TYPICAL STREET SECTION**  
**130-FT RIGHT-OF-WAY**  
**6 LANE SECTION**  
 NO PARKING



- ① ADDITIONAL RIGHT-OF-WAY SHALL BE PROVIDED WHERE NECESSARY TO ACCOMMODATE DUAL LEFT TURN LANES, RIGHT TURN LANES, TRANSIT STOPS AND/OR PEDESTRIAN REFUGE AREAS.
- ② ASPHALTIC CONCRETE PAVEMENT:
  - A. THE THICKNESS SHALL BE A MINIMUM OF 5" AND SHALL CONSIST OF 2 LIFTS.
  - B. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 321 AND 710
- ③ BASE COURSE SHALL BE 12" THICK MINIMUM. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 310 AND 702.

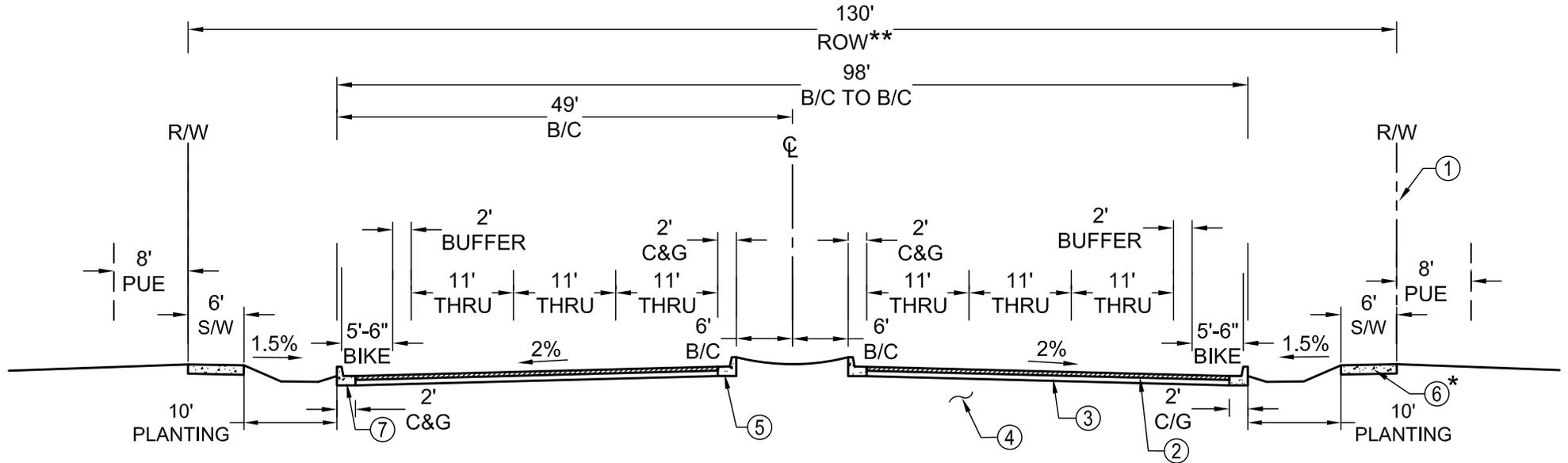
- ④ THE SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH MAG STANDARD SPECIFICATIONS, SECTION 301.
- ⑤ CONCRETE VERTICAL CURB & GUTTER PER MAG STD. DET. 220, TYPE A (REVERSE PAN)
- ⑥ 6-FT DETACHED CONCRETE SIDEWALK.
- ⑦ CONCRETE VERTICAL CURB & GUTTER PER MAG STD. DET. 220, TYPE A

\*\* PER ARIZONA REVISED STATUTES NO TURF IS ALLOWED IN THE RIGHT OF WAY.

\* ALL SIDEWALKS ABUTTING SCHOOLS SHALL BE 10-FT WIDE MINIMUM.

DETAIL NO. <h1 style="margin: 0;">A1106</h1>	<h1 style="margin: 0;">Avondale</h1> <p style="margin: 0;">STANDARD DETAIL</p>	<h1 style="margin: 0;">ARTERIAL SECTION</h1>	APPROVED BY: DATE: 8.24.16
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**TYPICAL STREET SECTION**  
**130-FT RIGHT-OF-WAY**  
**6 LANE SECTION**  
 NO PARKING



- ① ADDITIONAL RIGHT-OF-WAY SHALL BE PROVIDED WHERE NECESSARY TO ACCOMMODATE DUAL LEFT TURN LANES, RIGHT TURN LANES, TRANSIT STOPS AND/OR PEDESTRIAN REFUGE AREAS.
- ② ASPHALTIC CONCRETE PAVEMENT:
  - A. THE THICKNESS SHALL BE A MINIMUM OF 5" AND SHALL CONSIST OF 2 LIFTS.
  - B. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STANDARD SPECIFICATIONS, SECTIONS 321 AND 710
- ③ BASE COURSE SHALL BE 12" THICK MINIMUM. ALL CONSTRUCTION MATERIALS SHALL CONFORM TO MAG STRANDARD SPECIFICATIONS, SECTIONS 310 AND 702.

- ④ THE SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH MAG STANDARD SPECIFICATIONS, SECTION 301.
- ⑤ CONCRETE VERTICAL CURB & GUTTER PER MAG STD. DET. 220, TYPE A (REVERSE PAN)
- ⑥ 6-FT DETACHED CONCRETE SIDEWALK.
- ⑦ CONCRETE VERTICAL CURB & GUTTER PER MAG STD. DET. 220, TYPE A

\*\* PER ARIZONA REVISED STATUTES NO TURF IS ALLOWED IN THE RIGHT OF WAY.

\* ALL SIDEWALKS ABUTTING SCHOOLS SHALL BE 10-FT WIDE MINIMUM.

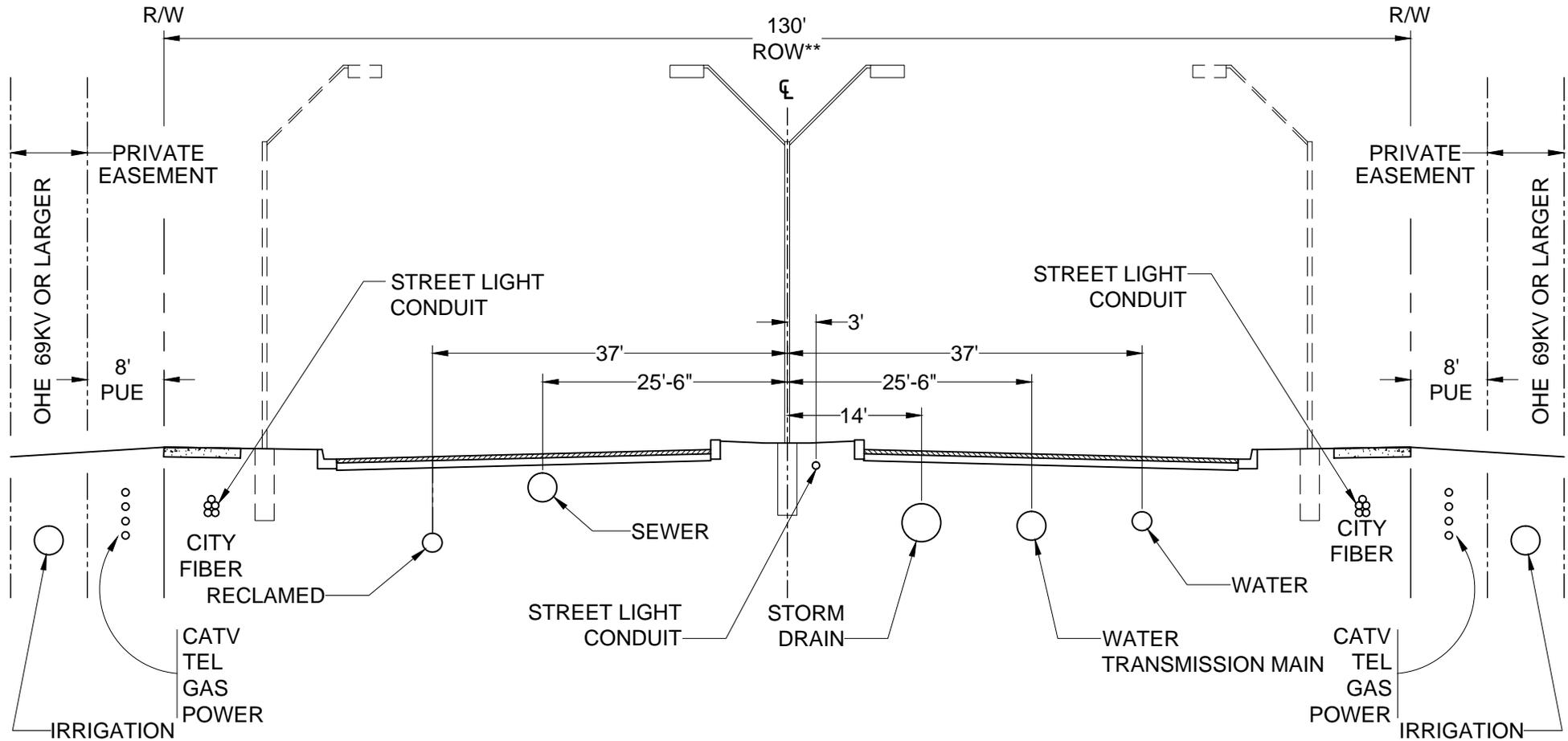
DETAIL NO.  
**A1106-1**

**Avondale**  
 STANDARD DETAIL

**AVONDALE BLVD/MCDOWELL RD**  
**ARTERIAL SECTION**

APPROVED BY: *[Signature]*  
 DATE: 8.24.16

# TYPICAL STREET SECTION 130-FT RIGHT-OF-WAY



\*\* PER ARIZONA REVISED STATUTES NO TURF IS ALLOWED IN THE RIGHT OF WAY.

DETAIL NO.

**A1106-3**

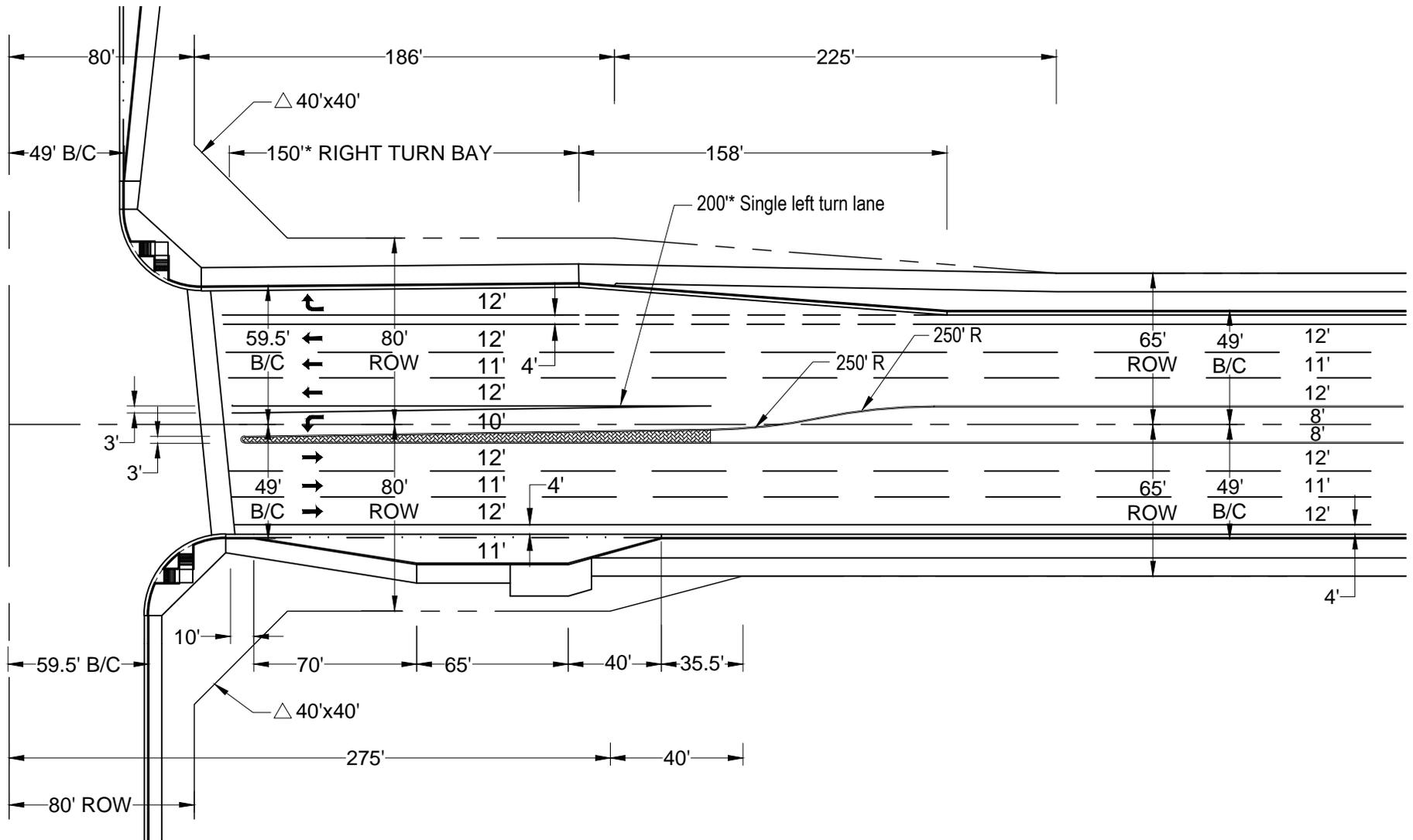
**Avondale**  
STANDARD DETAIL

**MAJOR ARTERIAL STREET  
UTILITY LOCATION**

APPROVED BY:

DATE:

*David S. Jones*  
8.24.16



NOTE: ALL DIMENSIONS TO FACE OF CURB UNLESS NOTED.

\*LONGER STORAGE MAY BE REQUIRED BASED ON THE TRAFFIC STUDY.

DETAIL NO.

**A1108**

**Avondale**  
STANDARD DETAIL

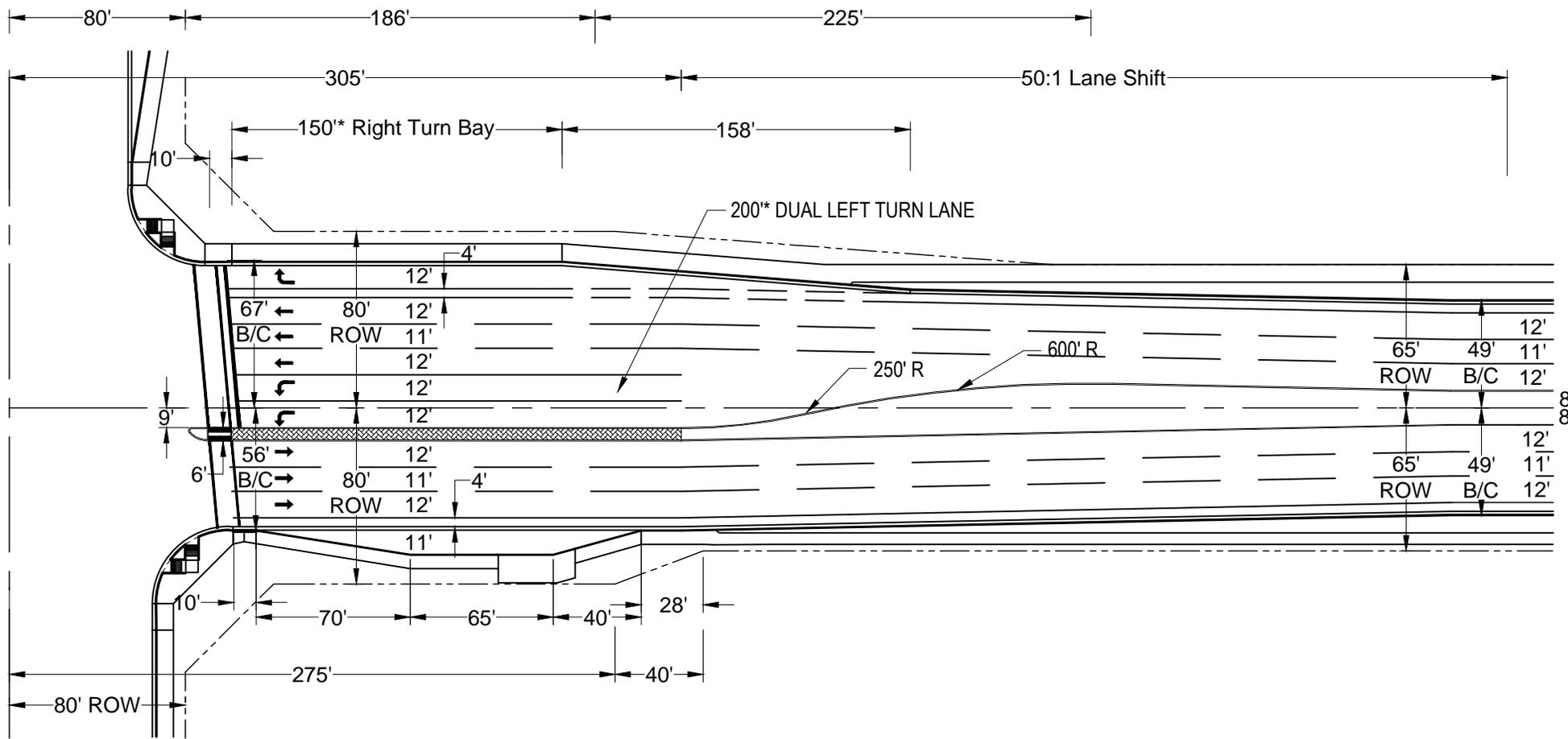
**ARTERIAL - ARTERIAL  
INTERSECTION (SINGLE LEFT)**

APPROVED BY:

*David S. Jones*

DATE:

8.24.16



NOTE: ALL DIMESIONS ARE TO FACE OF CURB UNLESS NOTED

\*LONGER STORAGE MAY BE REQUIRED BASED ON THE TRAFFIC STUDY.

DETAIL NO.

**A1109**

**Avondale**  
STANDARD DETAIL

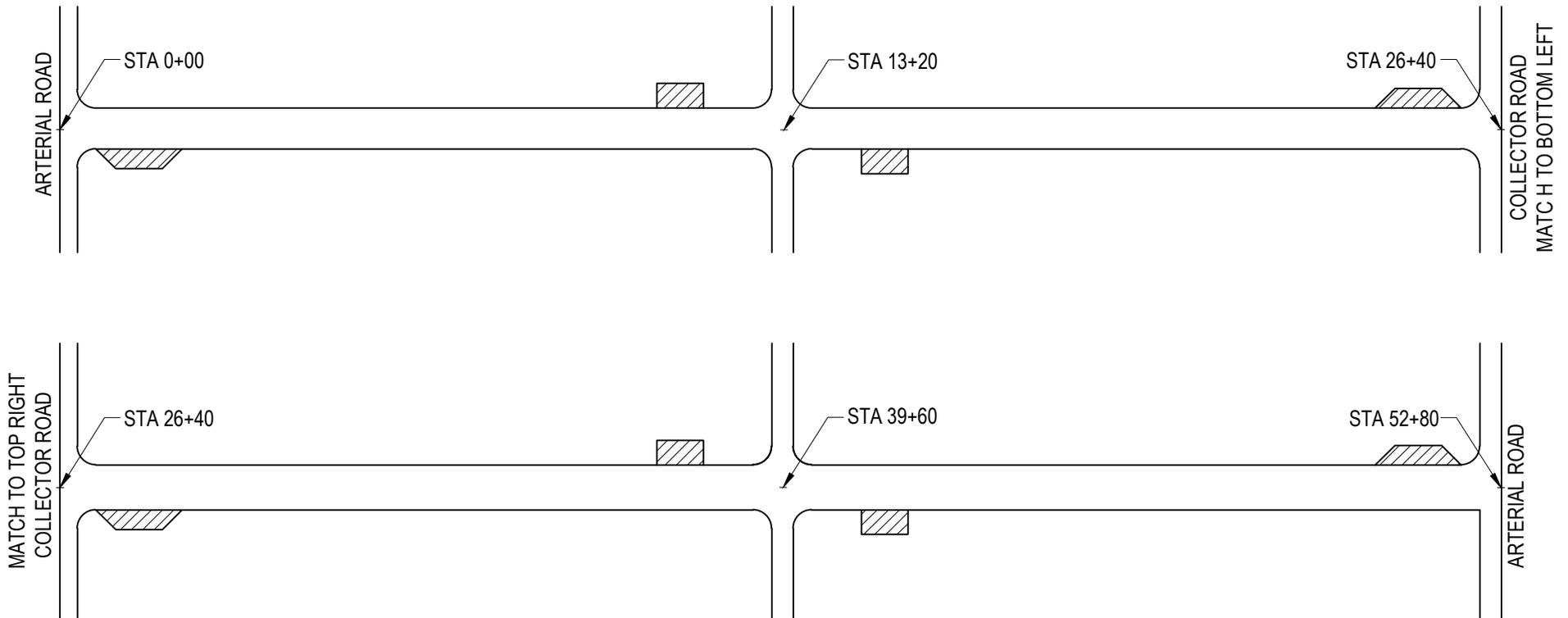
**ARTERIAL - ARTERIAL  
INTERSECTION (DUAL LEFTS)**

APPROVED BY:

*David S. Jones*

DATE:

8.24.16



**NOTES:**

1. BUS STOPS SHALL BE STRATEGICALLY PLACED EVERY 1/4 MILE ON ARTERIAL AND MAJOR COLLECTOR STREETS.
2. ONE MILE AND ONE HALF MILE STOPS SHALL BE PER COA STD. DET. A1252
3. QUARTER MILE AND EIGHTH MILE (IF WARRANTED) STOPS SHALL BE PER COA STD. DET. A1253-2 ONLY.
4. ADDITIONAL BUS STOPS MAY BE ADDED, AND SPACING ARE SUBJECT TO CHANGE BASED ON THE DIRECTION OF THE CITY ENGINEER.

DETAIL NO.

**A1111**

**Avondale**  
STANDARD DETAIL

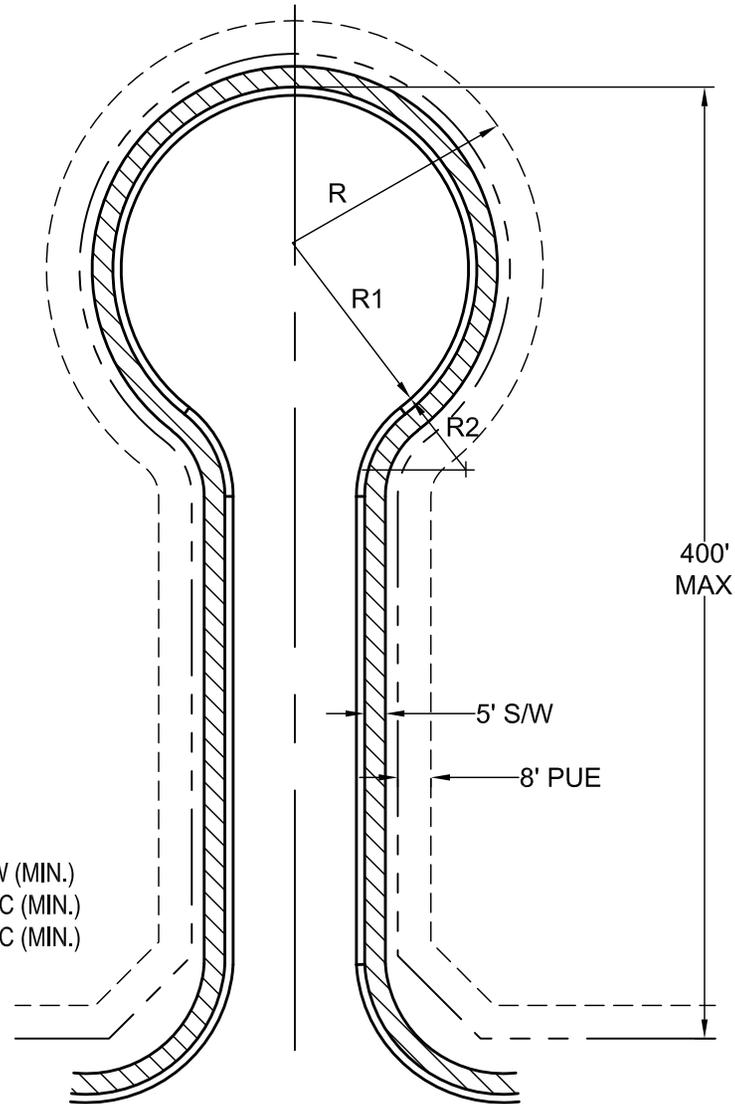
**DESIGNATED BUS  
STOP LOCATIONS**

APPROVED BY:

*David S. Jones*

DATE:

8.24.16



R - 54' TO R/W (MIN.)  
 R1 - 46' TO B/C (MIN.)  
 R2 - 25' TO B/C (MIN.)

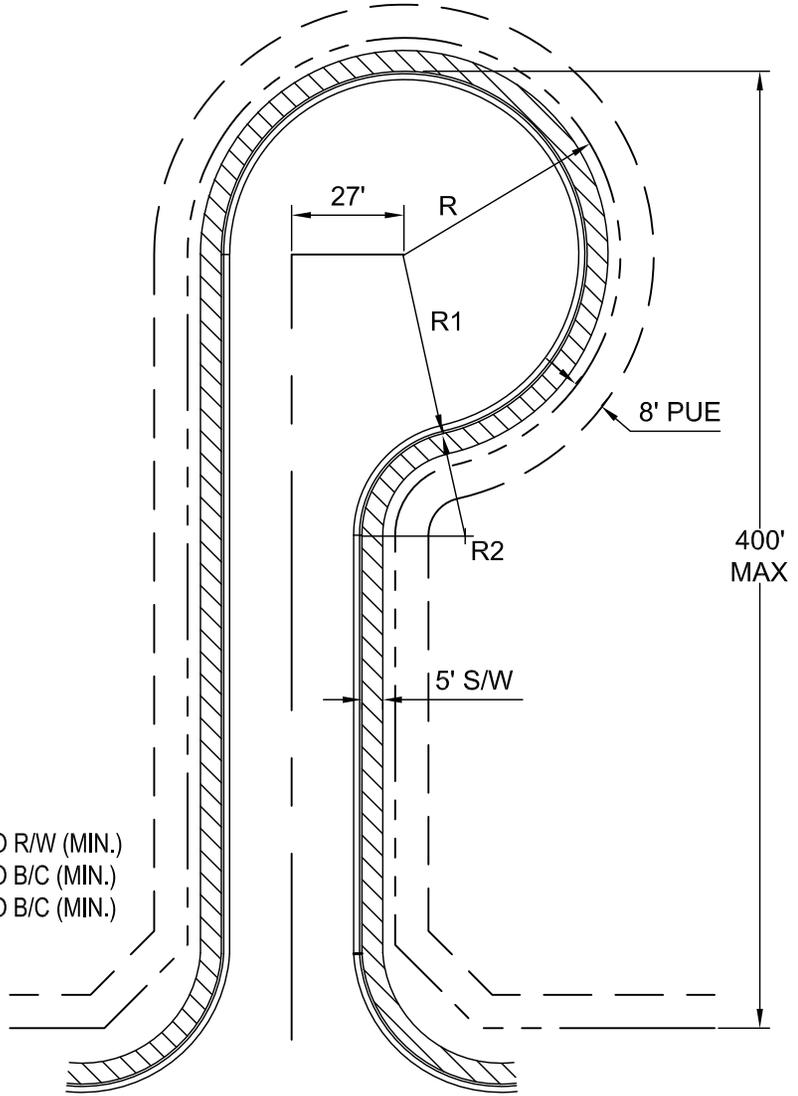
LOCAL STREET

DETAIL NO.  
**A1114**

**Avondale**  
 STANDARD DETAIL

**CUL-DE-SAC (CENTERED)**

APPROVED BY: *David S. Jones*  
 DATE: 8.24.16



R - 54' TO R/W (MIN.)  
 R1 - 46' TO B/C (MIN.)  
 R2 - 25' TO B/C (MIN.)

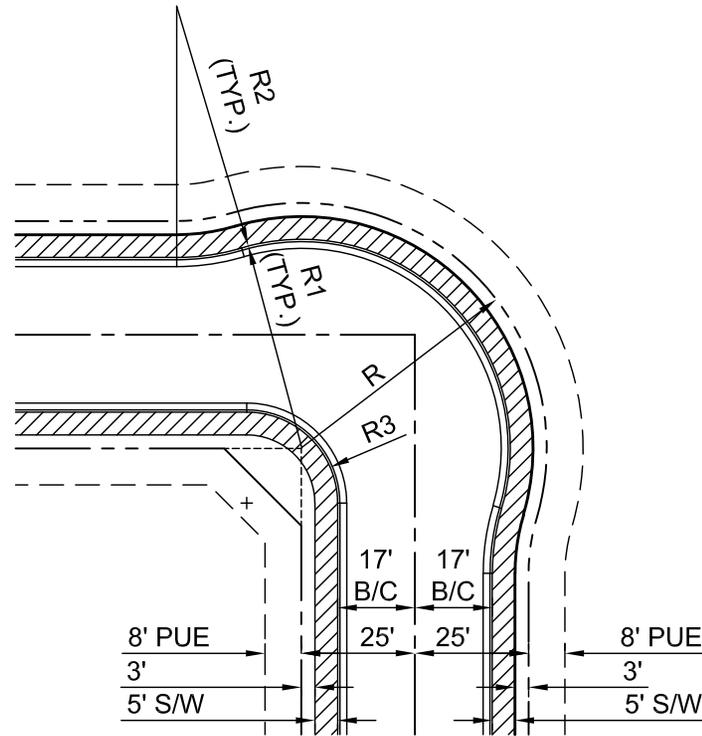
LOCAL STREET

DETAIL NO.  
**A1115**

**Avondale**  
 STANDARD DETAIL

**CUL-DE-SAC (OFFSET)**

APPROVED BY: *David S. Jones*  
 DATE: 8.24.16



- R - 54' TO R/W (MIN.)
- R1 - 46' TO B/C (MIN.)
- R2 - 50' TO B/C (MIN.)
- R3 - 20' TO B/C (MIN.)

LOCAL STREET

DETAIL NO.

**A1117**

**Avondale**  
STANDARD DETAIL

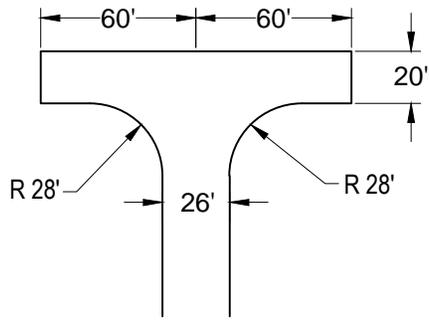
**KNUCKLE**

APPROVED BY:

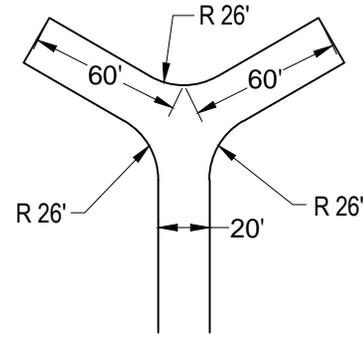
*David S. Jones*

DATE:

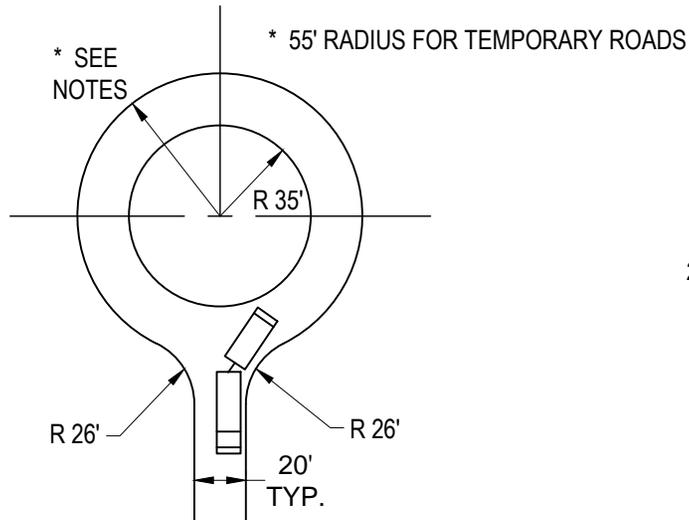
8.24.16



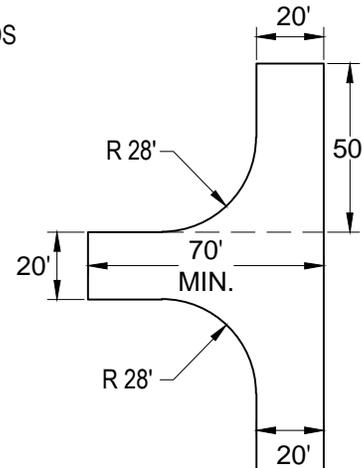
120'  
HAMMERHEAD



ACCEPTABLE ALTERNATE  
TO 120' HAMMERHEAD



110'  
CUL-DE-SAC



ACCEPTABLE ALTERNATE  
TO 120' HAMMERHEAD

NOTE: SIGNING AND MARKINGS FOR "NO PARKING" AND "TURN AROUND ONLY" SHALL BE REQUIRED.

DETAIL NO.

**A1118**

**Avondale**  
STANDARD DETAIL

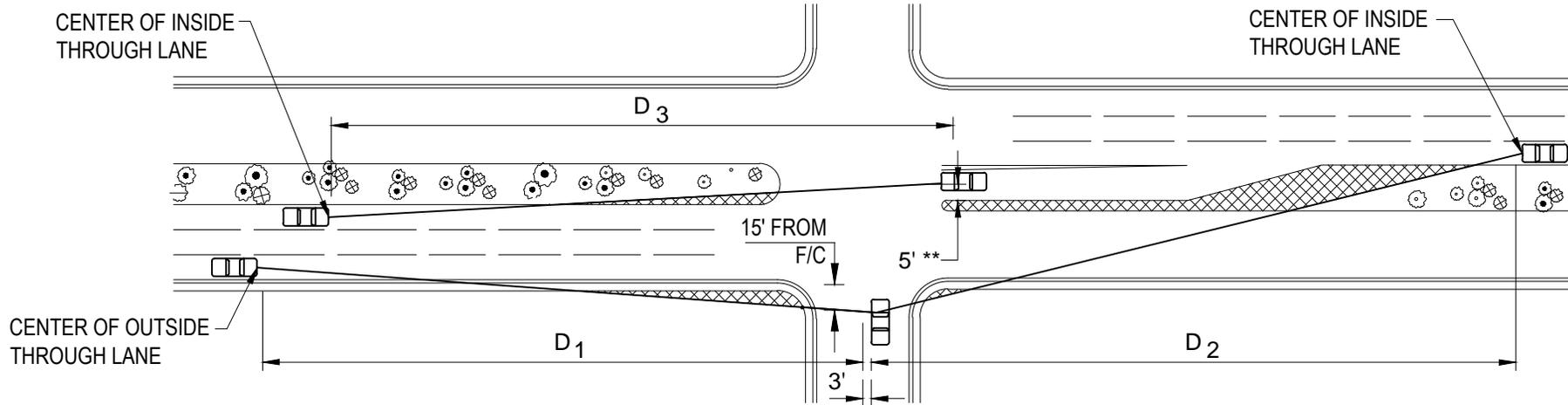
**TEMPORARY TURN  
AROUNDS**

APPROVED BY:

*David S. Jones*

DATE:

8.24.16



\* DESIGN SPEED IS POSTED SPEED LIMIT PLUS FIVE (5) MPH. FOR ARTERIALS AND COLLECTORS DESIGN SPEED SHALL NOT BE LESS THAN 30 MPH.

\*\* 5 FEET MEASURED TO NEAREST LANE LINE OR CENTER LINE.

**TWO LANE STREET**

DESIGN SPEED*	RIGHT TURN OR CROSSING MOVEMENT D <sub>1</sub> (FEET)	LEFT TURN ONTO THRU D <sub>2</sub> (FEET)	LEFT TURN FROM THRU D <sub>3</sub> (FEET)
30	290	335	245
35	335	390	285
40	385	445	325
45	430	500	365
50	480	555	405

**FOUR LANE STREET**

DESIGN SPEED*	RIGHT TURN OR CROSSING MOVEMENT D <sub>1</sub> (FEET)	LEFT TURN ONTO THRU D <sub>2</sub> (FEET)	LEFT TURN FROM THRU D <sub>3</sub> (FEET)
30	355	400	310
35	415	465	365
40	475	530	415
45	530	600	465
50	590	665	515
55	650	730	570

**FIVE OR SIX LANE STREET**

DESIGN SPEED*	RIGHT TURN OR CROSSING MOVEMENT D <sub>1</sub> (FEET)	LEFT TURN ONTO THRU D <sub>2</sub> (FEET)	LEFT TURN FROM THRU D <sub>3</sub> (FEET)
30	420	420	335
35	490	490	390
40	560	560	445
45	630	630	500
50	700	700	555
55	770	770	610

**NOTES:**

1. DETAIL PERTAINS TO ALL INTERSECTIONS AND TO COMMERCIAL/SHOPPING CENTER DRIVEWAYS.
2. INCREASED SIGHT VISIBILITY TRIANGLES MAY BE REQUIRED THROUGH HORIZONTAL AND VERTICAL CURVES PER AASHTO.
3. FOR HALF STREET, PHASED, OR PARTIAL IMPROVEMENTS, SIGHT DISTANCE SHOULD BE BASED ON SIGHT VISIBILITY EASEMENT FOR ULTIMATE CONDITIONS.



GROUND COVER, FLOWERS, AND GRANITE LESS THAN 24" (MATURE) IN HEIGHT, OR TREES (MAXIMUM TRUNK DIAMETER OF 12") TRIMMED TO 7' CLEARANCE ABOVE FINISHED GRADE ALLOWED IN THIS AREA.

VALUES FOR D ARE BASED ON 2004 AASHTO INTERSECTION SIGHT DISTANCE GUIDELINES.

DETAIL NO.

**A1120**

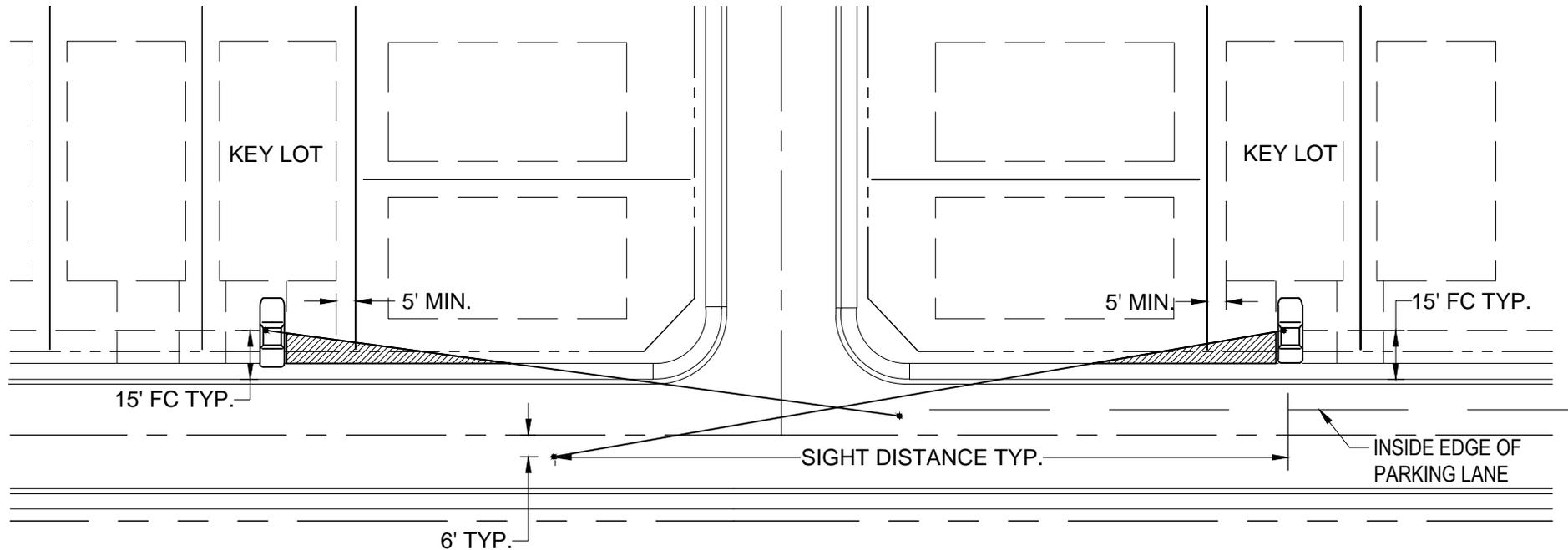
**Avondale**  
STANDARD DETAIL

**SIGHT VISIBILITY REQUIREMENTS FOR ARTERIAL AND COLLECTOR STREETS**

APPROVED BY:

DATE:

8.24.16



**NOTES:**

1. CITY OF AVONDALE ALLOWS THE DRIVEWAY TO BE WITHIN 5' OF ADJACENT BACK WALL.
2.  NO STRUCTURES OR LANDSCAPING ABOVE 24" IN HEIGHT ALLOWED IN THIS AREA EXCEPT TREES WITH BRANCHES NOT LESS THAN 7' ABOVE THE GROUND.

STREET	DESIGN SPEED	SIGHT DISTANCE
LOCAL	30 MPH	290 FEET
MINOR COLLECTOR	35 MPH	335 FEET

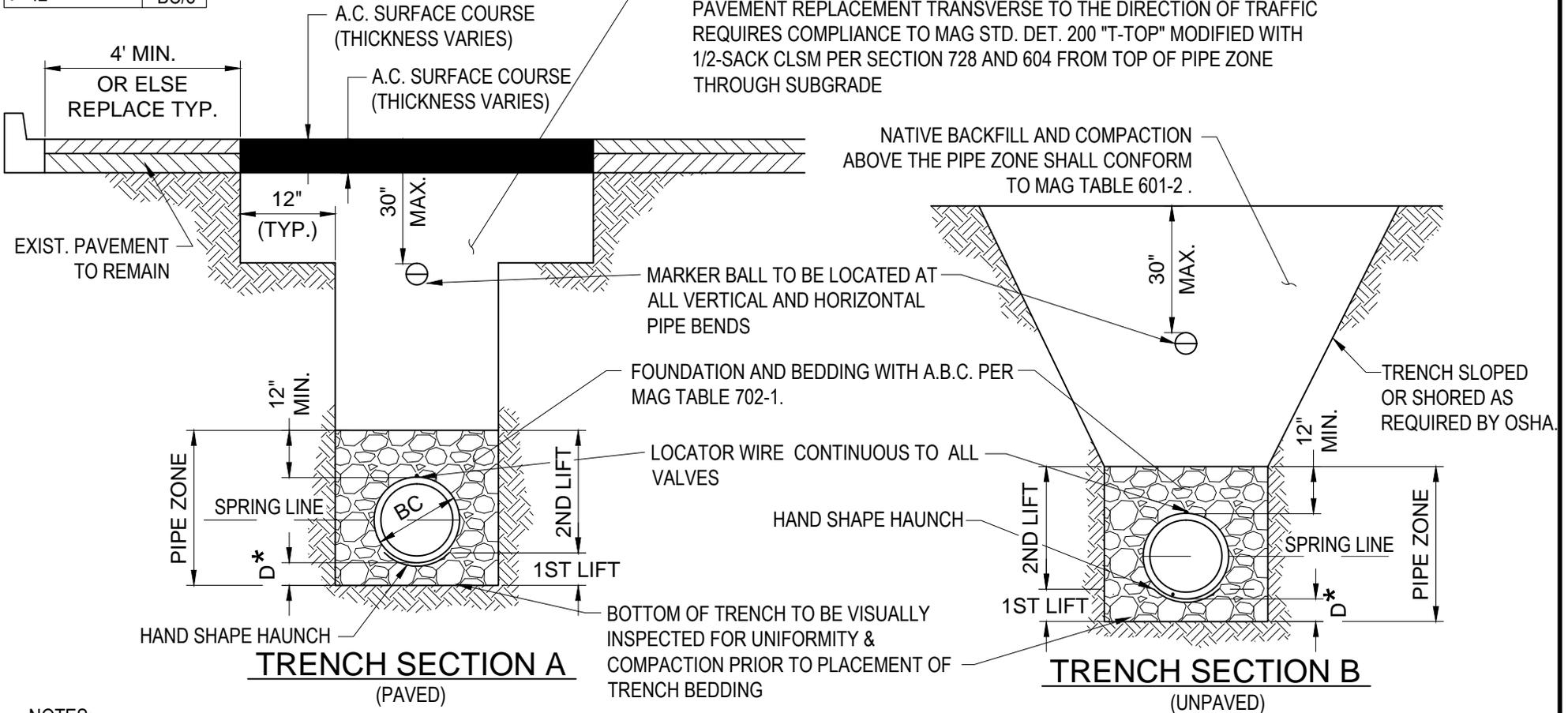
DETAIL NO. <b>A1122</b>	<b>Avondale</b> STANDARD DETAIL	<b>KEY LOT SIGHT DISTANCE</b>	APPROVED BY:  DATE: 8.24.16
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INSIDE DIA.	D*
0" ≤ 12"	4"
12" AND ≤ 42"	6"
> 42"	BC/8

BC=OUTSIDE DIA. PIPE (INCHES)

\* NOTE: IN CASES WHERE COVER EXCEEDS 12'  
USE 12" MIN. THICKNESS FOR PIPE BEDDING

PAVEMENT REPLACEMENT PARALLEL TO THE DIRECTION OF TRAFFIC  
REQUIRES COMPLIANCE TO MAG STD. DET. 200 "T-TOP" MODIFIED WITH A.B.C.  
BACKFILL PER SECTION 702 AND 601.  
PAVEMENT REPLACEMENT TRANSVERSE TO THE DIRECTION OF TRAFFIC  
REQUIRES COMPLIANCE TO MAG STD. DET. 200 "T-TOP" MODIFIED WITH  
1/2-SACK CLSM PER SECTION 728 AND 604 FROM TOP OF PIPE ZONE  
THROUGH SUBGRADE



NOTES:

- TRENCH WIDTH SHALL BE IN ACCORDANCE WITH MAG STD. TABLE 601-1.
- THE PIPE ZONE SHALL BE PLACED IN TWO LIFTS. THE FIRST LIFT IS FROM THE BOTTOM OF THE TRENCH THROUGH THE HAUNCHES. THE SECOND LIFT (PIPE SHADING) IS FROM THE HAUNCHES THROUGH THE PIPE ZONE. SEPARATE INSPECTIONS ARE REQUIRED FOR EACH LIFT.
- THE CONTRACTOR SHALL PLACE THE FIRST LIFT IN A MANNER THAT WILL INSURE UNIFORM SUPPORT UNDER THE HAUNCHES AND PROPER ALIGNMENT OF THE PIPE.
- LOCATOR WIRE SHALL BE INSULATED COPPER WIRE, #10 SOLID. LOCATOR WIRE IS TO ORIGINATE AND TERMINATE INSIDE VALVE BOXES IN A PROTECTIVE CONDUIT. LOCATOR WIRE SHALL BE REQUIRED ON BOTH PUBLIC AND PRIVATE WATERLINES.

DETAIL NO.

**A1130**

**Avondale**  
STANDARD DETAIL

**TYPICAL TRENCH  
DETAIL (WATER)**

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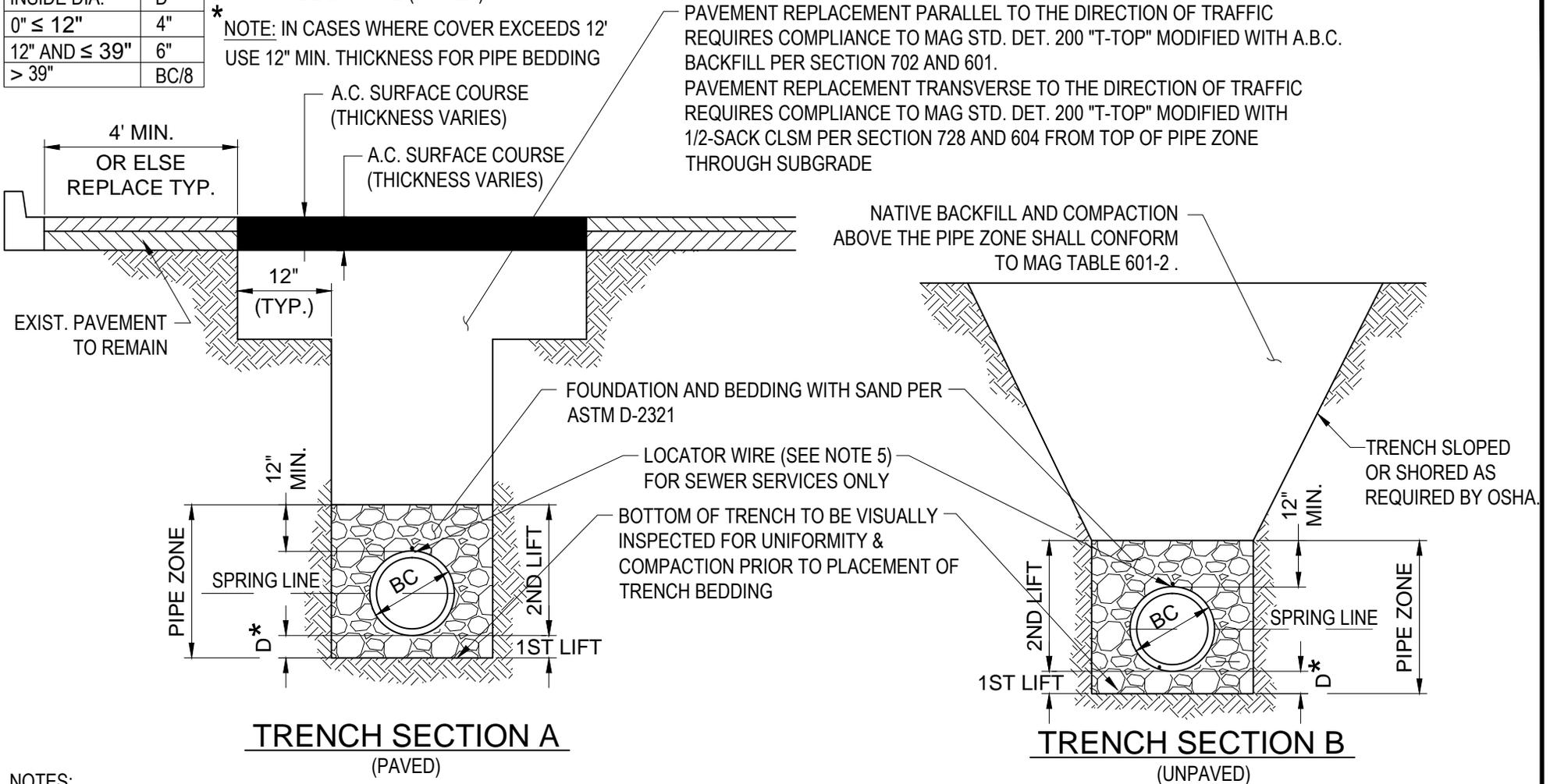
DATE:

*David S. Jones*  
8.24.16

INSIDE DIA.	D*
0" ≤ 12"	4"
12" AND ≤ 39"	6"
> 39"	BC/8

BC=OUTSIDE DIA. PIPE (INCHES)

\* NOTE: IN CASES WHERE COVER EXCEEDS 12'  
USE 12" MIN. THICKNESS FOR PIPE BEDDING



NOTES:

1. TRENCH WIDTH SHALL BE IN ACCORDANCE WITH MAG STD. TABLE 601-1.
2. THE PIPE ZONE SHALL BE PLACED IN TWO LIFTS. THE FIRST LIFT (FOUNDATION) IS FROM THE BOTTOM OF THE TRENCH TO THE BOTTOM OF PIPE. THE SECOND LIFT (BEDDING) IS FROM THE BOTTOM OF PIPE THROUGH THE PIPE ZONE. SEPARATE INSPECTIONS ARE REQUIRED FOR EACH LIFT.
3. THE CONTRACTOR SHALL PLACE THE FIRST LIFT IN A MANNER THAT WILL INSURE UNIFORM SUPPORT UNDER THE HAUNCHES AND PROPER ALIGNMENT OF THE PIPE.
4. INSTALL ELECTRONIC BALL MARKER AT ALL WYE CONNECTIONS. 30" MAX. DEPTH. ELECTRONIC MARKER BALLS TO BE 3M OR SEE COA APPROVED PRODUCTS LIST.
5. FOR PRIVATE SEWER LINES AND SERVICES, LOCATOR WIRE SHALL BE REQUIRED.

DETAIL NO.

**A1131**

**Avondale**  
STANDARD DETAIL

**TYPICAL TRENCH  
DETAIL (SEWER)**

APPROVED BY:

DATE:

*David S. Jones*  
8.24.16

STEEL PLATE FLUSH WITH  
ADJACENT PAVEMENT

SEE NOTE 1

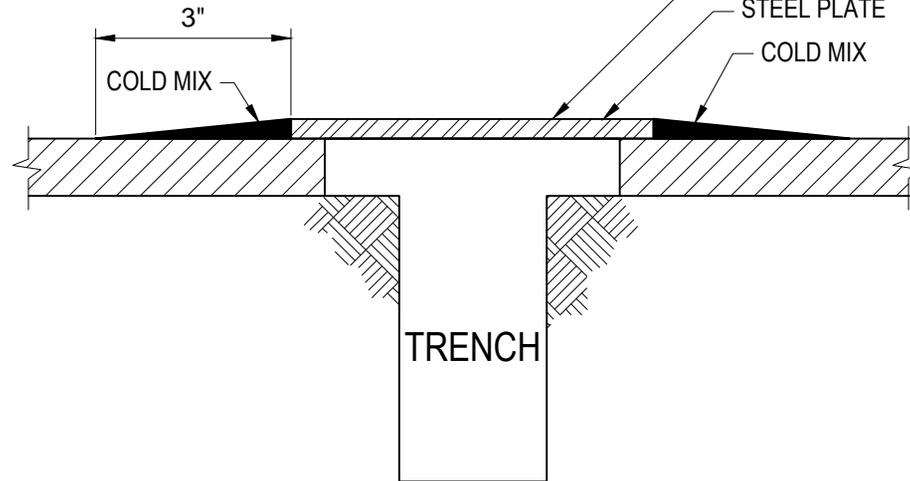
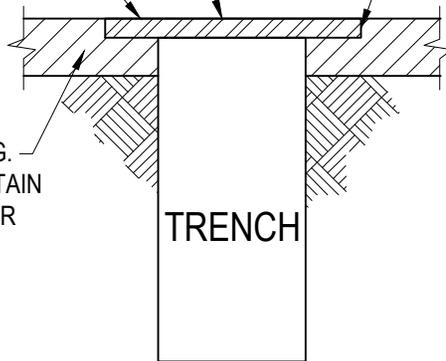
MILL THICKNESS OF PROPOSED  
STEEL PLATE. PACK JOINT WITH  
COLD MIX IF JOINT WIDTH IS  
GREATER THAN 1"

SEE NOTE 1

STEEL PLATE

COLD MIX

SAWCUT TO EDGE OF MILLING.  
REPLACE FULL DEPTH TO OBTAIN  
"T-TOP" AC REPLACEMENT PER  
MAG STD. DET. 200



TYPE "A" PLATING  
CITY POSTED SPEEDS OF  
25 MPH AND GREATER OR  
BUS OR TRUCK ROUTE

TYPE "B" PLATING  
FOR USE ON RESIDENTIAL LOCAL  
STREETS ONLY WITH POSTED  
SPEEDS OF 25 MPH OR LESS

NOTES:

1. PROVIDE 2' MIN. OVERLAP OF PLATE ON ASPHALT TO ASSURE NO SLIPPAGE OF PLATE AND NO COLLAPSING OF TRENCH.
2. "POSTED SPEED" DOES NOT INCLUDE TEMPORARY CONSTRUCTION SIGNING.
3. METHOD OF ASPHALT REMOVAL OTHER THAN MILLING AT INSPECTOR'S DISCRETION ONLY.

DETAIL NO.

**A1132**

**Avondale**  
STANDARD DETAIL

**TRENCHING STEEL  
PLATE DETAILS**

APPROVED BY:

*David S. Jones*

DATE:

8.24.16