APPENDIX K. Arterial Roads List

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APPENDIX K. Arterial Roads List:

Alabama Street (W. Samford Avenue to Pumphrey Avenue)
Beehive Road (Cox Road to Wire Road)
Bent Creek Road (I-85 to E. Glenn Avenue)
Chadwick Lane
College Street
Cox Road
Dean Road (Moores Mill Road to Opelika Road)
Donahue Drive (W. Farmville Road to E. University Drive)
East University Drive
Farmville Road
Gay Street (Opelika Road to Samford Avenue)
Glenn Avenue (N. Donahue Dr. to City Limits)
Heath Road (AL 147)
Martin Luther King Drive
Moores Mill Road
Opelika Road
Pumphrey Avenue
Richland Road
Samford Avenue
Sandhill Road
Shelton Mill Road
Shug Jordan Parkway (AL 267/147)
Society Hill Road
Wire Road (Heisman Dr. to City Limits)

Highway Roads List:

U.S. Highway 280

Generally, information is updated quarterly

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APPENDIX L. Collector & Residential Collector Road List

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APPENDIX L. Collector Roads List:

Academy Drive (Gatewood Dr. to NW Terminus)
Airport Road
Annalue Drive
Auburn Lakes Road
Beehive Road (Wire Rd. to Martin Luther King Dr.)
Bent Creek Road (Hamilton Road to I-85)
Binford Drive
Bragg Avenue
Bud Black Road
Byrd Street (W. Magnolia Avenue to MLK Drive)
Cary Creek Parkway
Chewacla Drive
Commerce Drive
S. Dean Road (E. University Dr. to Moores Mill Rd.)
N. Dean Road (Opelika Road to Sandstone Lane)
Dekalb Street (Opelika Road to Terminus)
S. Donahue Drive (E. University Dr. to E. Longleaf Dr.)
Drake Avenue (N. Donahue Drive to N. Ross Street)
Gatewood Drive
S. Gay Street (Samford Avenue to E. University Drive)
N. Gay Street (Opelika Road to Shelton Mill Road)
W. Glenn Avenue (N. Donahue Drive to Byrd Street)
Grand National Parkway
Grove Hill Road (Ogletree Road to Terminus)
Hamilton Road (Moores Mill Road to City Limits)
Harper Avenue
Longleaf Drive
Magnolia Avenue
Mill Creek Road
Miracle Road
Mitcham Avenue
Moores Mill Road (Society Hill Rd. to City Limits)
Mrs. James Road
Ogletree Road
Old Cox Road
Pear Tree Road
Rolling Ridge Road
Ross Street
Saugahatchee Road (Annalue Dr. to Airport Rd.)
Shell Toomer Parkway
Society Hill Road (Sandhill Rd. to Terminus)
Southview Drive
Stonewall Road
E. Thach Avenue
Veterans Boulevard
Will Buechner Parkway
Willis Turk Road
Wire Road (W. Magnolia Ave. to Heisman Dr.)
Woodfield Drive (S. College Street to S. Gay Street)
Wrights Mill Road (Samford Ave. to Shell Toomer Pkwy)
Yarbrough Farms Boulevard (Richland Road to Terminus)

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Residential Collector Roads List:

Academy Drive (City Limits to Terminus)
Asheton Lane
Bedell Avenue
Club Creek Drive (Yarbrough Farm to Falls Crest Dr.)
Conservation Drive
Cotswold Way
Crescent Boulevard (Piedmont Dr. to N. Donahue Dr.)
Debardeleben Street (E. Glenn Avenue to E. Thach Avenue)
Deer Run Road
Dekalb Street (E. University Dr. to terminus)
Downs Way
Foster Street
Grove Hill Road (Moores Mill Road to Terminus)
James Burt Parkway
Keystone Drive
Longwood Drive
Lundy Chase Drive
Monticello Drive
Moores Mill Drive
Old Mill Road
Piedmont Drive
Preserve Drive (Conservation Dr. to northern terminus)
Rock Fence Road
Sanders Street
Solamere Lane
Stanton Drive (VFW Road to Grove Hill Road)
Tacoma Drive
Tuscany Hills Drive
VFW Road (Binford Drive to Stanton Drive)
Watercrest Drive
Yarbrough Farms Boulevard

Generally, information is updated quarterly.

Updated: March 1, 2024

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APPENDIX M. Local Commercial/ Local Street/ Cul-de-Sacs/ Alleys List

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APPENDIX M. Local Commercial/ Local Streets/ Cul-De-Sacs/ Alleys List

Local Commercial Roads List:

Bucees Boulevard
Corporate Parkway
Enterprise Drive
Haley Lane
Industry Drive
Innovation Drive
Mall Boulevard
Mall Parkway
McMillan Street
Paul Parks Lane
Riley Street
Samford Trace Court
Samford Village Court
Samglenn Drive
Technology Parkway
West Tech Lane

All other City streets, as applicable.

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APPENDIX O. Street Details and Standard Drawings

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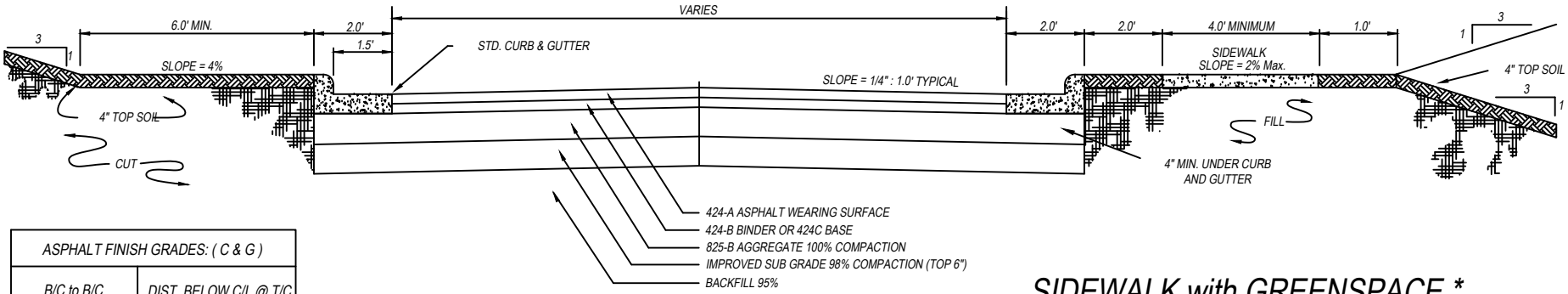
TYPICAL STREET CROSS SECTION
WITH CURB/GUTTER AND SIDEWALK

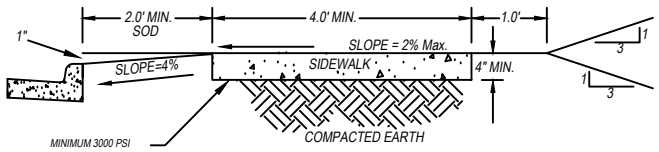


ASPHALT FINISH GRADES: (C & G)	
B/C to B/C	DIST. BELOW C/L @ T/C
26.0'	2.00"
28.0'	1.75"
31.0'	1.38"
35.0'	0.88"
40.0'	0.26"

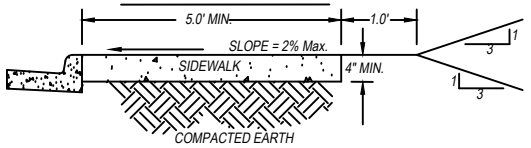
STREET BUILDUP						
	0 TO 2,000 VPD		2,001 TO 5,000 VPD		5,001 AND GREATER	
CLASSIFICATION	ALLEY/CUL-DE-SAC LOCAL RESIDENTIAL		RESIDENTIAL COLLECTOR		COLLECTOR/ARTERIAL LOCAL COMMERCIAL	
	CLASS II		CLASS III		CLASS IV	
	FULL DEPTH	ASPHALT/BASE	FULL DEPTH	ASPHALT/BASE	FULL DEPTH	ASPHALT/BASE
WEARING SURFACE (424A)	1"	1"	2"	1"	2"	1"
BINDER (424B) OR BASE (424C)	* 4"	2"	* 5"	* 4"	* 6"	* 4"
CRUSHED AGGREGATE BASE 825B		6"		6"		* 9"

NOTES: MIXES SHALL COMPLY WITH THE LATEST EDITION OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
* BINDER OR BASE LAYER TO BE PLACED IN TWO EQUAL LIFTS.

SIDEWALK with GREENSPACE *



5' SIDEWALK



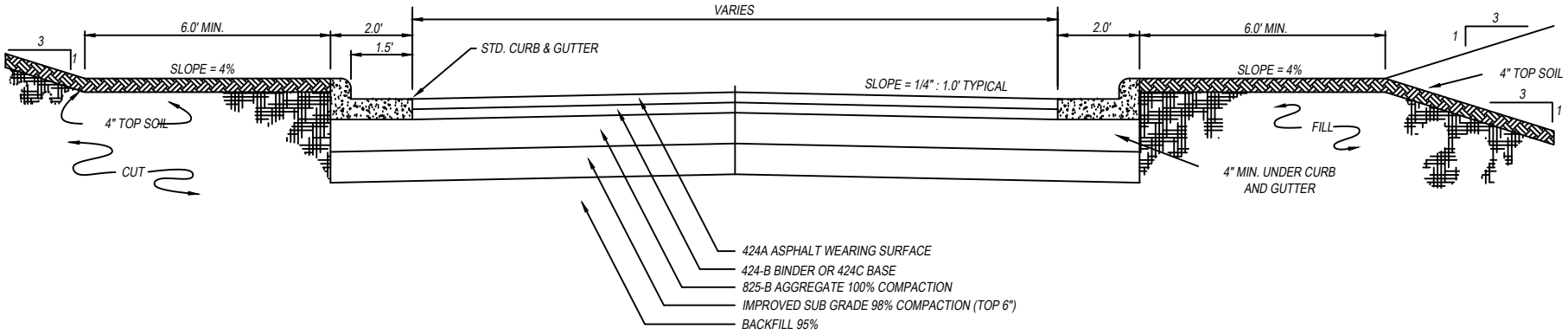
NOTES:
1. PROVIDE 1 1/2" DEEP BY 1/8" WIDE CONTROL JOINTS EVERY 5' WITH EXPANSION JOINTS EVERY 50'. EXPANSION MATERIAL CAN BE FILTER BOARD OR A TREATED 1x4.
2. WHEN THE DISTANCE BETWEEN THE BACK OF CURB AND THE EDGE OF SIDEWALK IS LESS THAN TWO FEET, THE SIDEWALK MUST BE A MINIMUM OF FIVE FEET WIDE.
3. SIDEWALK (ACCESSIBLE ROUTE) WITH CLEAR WIDTH LESS THAN 60 INCHES SHALL PROVIDE PASSING SPACES AT INTERVALS OF 200 FEET MAXIMUM. PASSING SPACES SHALL BE COMPLIANT WITH PROWAG STANDARDS.
4. WHERE SIDEWALK ABUT INLET TOPS, #4 REBAR PLACED 12" O.C. SHALL BE PLACED 6" MIN. INTO INLET TOP AND 12" MIN. INTO SIDEWALK.
* 4 FOOT WIDTH IS ALLOWED ON LOCAL STREETS AND CUL DE SAC'S. 5 FOOT MINIMUM IS REQUIRED ON ALL ARTERIALS, COLLECTORS, LOCAL COMMERCIAL, AND RESIDENTIAL COLLECTORS.

STANDARD DETAILS: STREETS 5.00

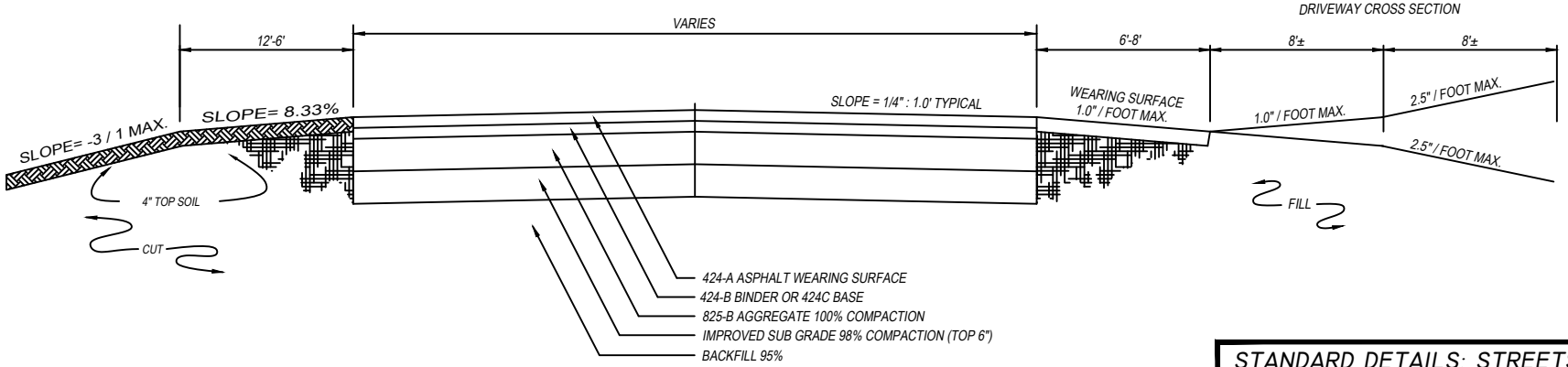
City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

TYPICAL STREET CROSS SECTION WITH CURB AND GUTTER



*TYPICAL STREET CROSS SECTION WITHOUT CURB AND GUTTER

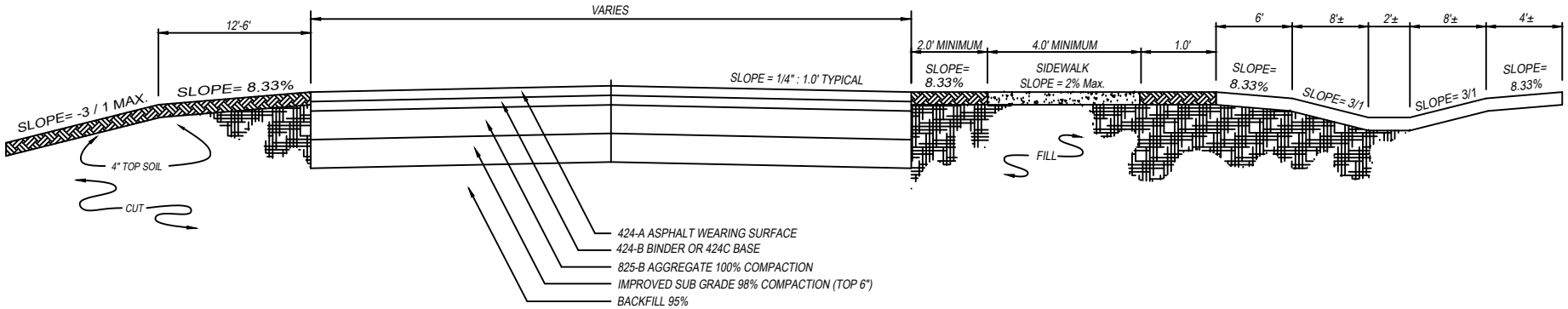


** THIS CROSS SECTION ALLOWED ONLY IF THE SIDEWALK REQUIREMENT IS WAIVED BY THE PLANNING COMMISSION.*

STANDARD DETAILS: STREETS	5.01
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	03-01-2024
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

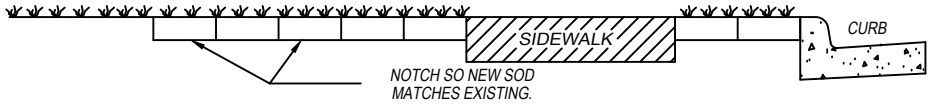
City of Auburn

TYPICAL STREET CROSS SECTION
WITHOUT CURB/GUTTER, AND WITH SIDEWALK



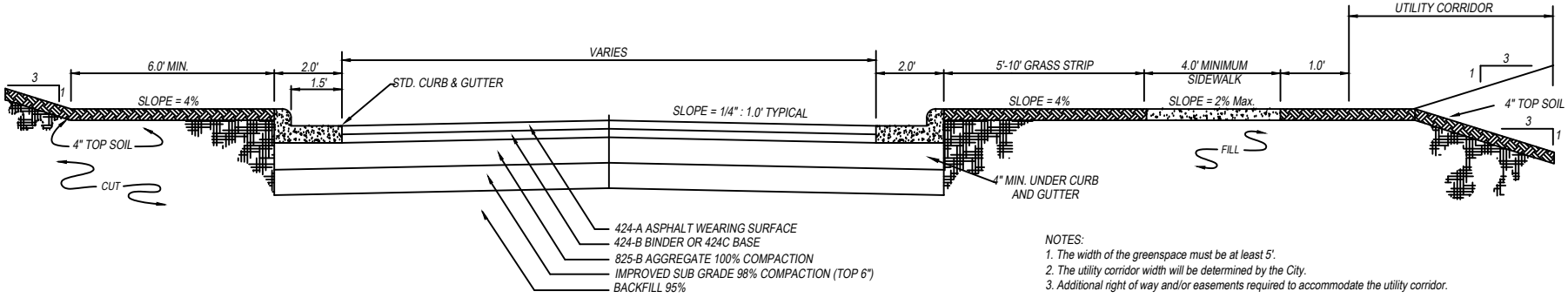
STREET AND SIDEWALK CONFIGURATIONS				
CLASSIFICATION	B/C to B/C WIDTH	PAVEMENT WIDTH	ROW	SIDEWALK LOCATION
ALLEY (ONE-WAY)	NOT REQUIRED	11	25	NOT REQUIRED
ALLEY (TWO-WAY)	NOT REQUIRED	20	30	NOT REQUIRED
CUL-DE-SAC	26	22	50	1 SIDE*
LOCAL RESIDENTIAL	26	22	50	BOTH SIDES
LOCAL RESIDENTIAL	28	24	50	1 SIDE*
LOCAL COMMERCIAL	28	24	50	1 SIDE*
RESIDENTIAL COLLECTOR	31	27	60	BOTH SIDES
COLLECTOR	35	31	60	1 SIDE*
COLLECTOR	31	27	60	BOTH SIDES
COLLECTOR @ INTERSECTIONS	40	36	60	BOTH SIDES
ARTERIAL	52	48	80	BOTH SIDES
* CITY ENGINEER SHALL DETERMINE LOCATION OF SIDEWALK.				

SOD DETAIL



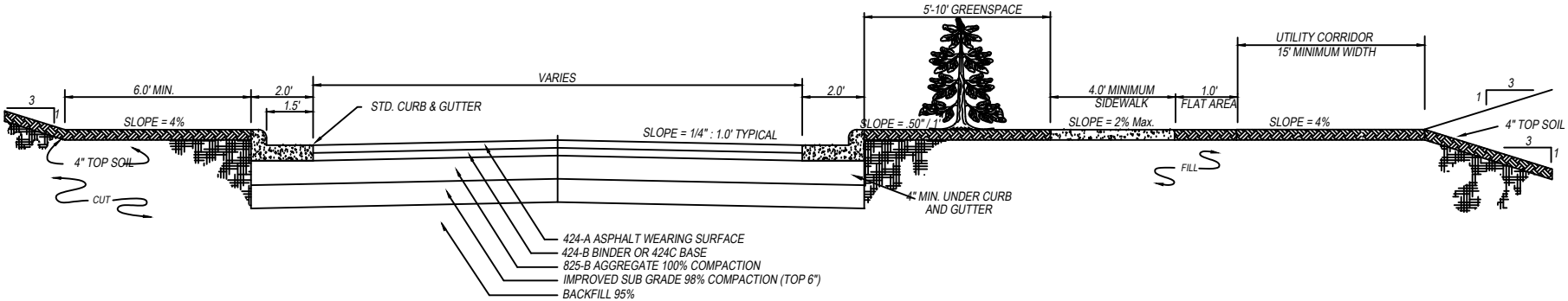
STANDARD DETAILS: STREETS	5.02
City of Auburn	
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	03-01-2024
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

TYPICAL STREET CROSS SECTION WITH A UTILITY CORRIDOR



NOTES:
1. The width of the greenspace must be at least 5'.
2. The utility corridor width will be determined by the City.
3. Additional right of way and/or easements required to accommodate the utility corridor.

TYPICAL STREET CROSS SECTION WITH A LANDSCAPE CORRIDOR



NOTES:
1. THE WIDTH OF THE GREENSPACE MUST BE AT LEAST 5'. IF THE GREENSPACE CONTAINS CANOPY TREES, A 10' MINIMUM WIDTH IS REQUIRED.
2. THE UTILITY CORRIDOR WIDTH SPECIFIED APPLIES WHERE A WATER MAIN IS INSTALLED ON THE NORTH AND EAST SIDES. OTHER WIDTHS MAY BE PERMITTED.
3. ADDITIONAL RIGHT OF WAY AND/OR EASEMENTS REQUIRED TO ACCOMODATE THE UTILITY CORRIDOR.
4. THE UTILITY CORRIDOR CAN BE USED ON BOTH SIDES OF THE STREET. MINIMUM WIDTHS AND CONFIGURATION WILL BE BASED ON THE PRESENCE OF SIDEWALK.

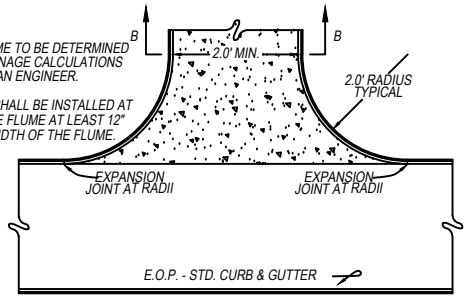
STANDARD DETAILS: STREETS	5.03
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

City of Auburn

FLUME DETAIL

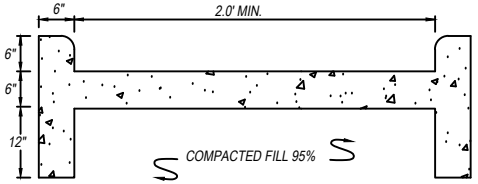
NOTES:

1. SIZE OF FLUME TO BE DETERMINED BASED ON DRAINAGE CALCULATIONS SUBMITTED BY AN ENGINEER.
2. A TOEWALL SHALL BE INSTALLED AT THE END OF THE FLUME AT LEAST 12" DEEP BY THE WIDTH OF THE FLUME.



FLUME DETAIL

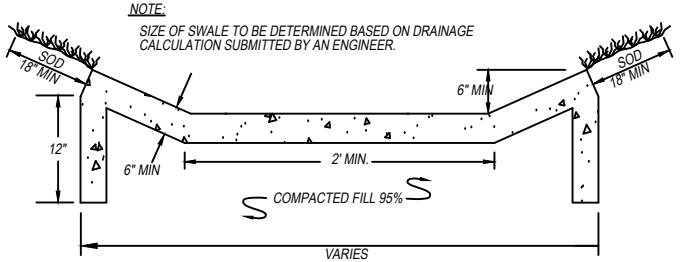
SECTION B-B



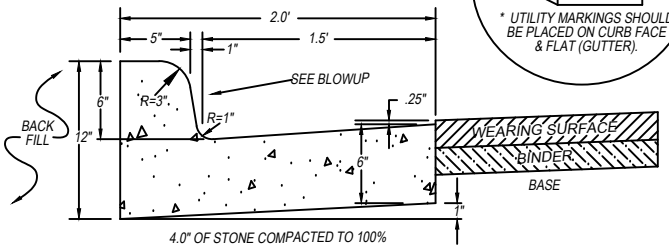
CONCRETE SWALE

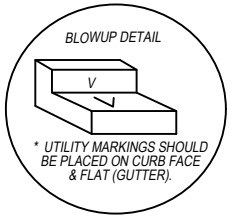
NOTE:

SIZE OF SWALE TO BE DETERMINED BASED ON DRAINAGE CALCULATION SUBMITTED BY AN ENGINEER.



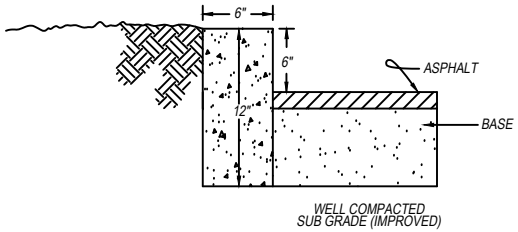
CURB & GUTTER



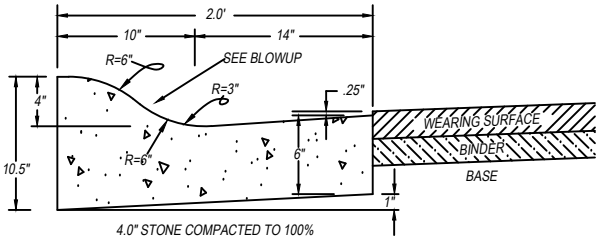


** USE OF SPILL CURB MUST BE REVIEWED AND APPROVED PRIOR TO INSTALLATION

HEADER CURB



ROLL CURB

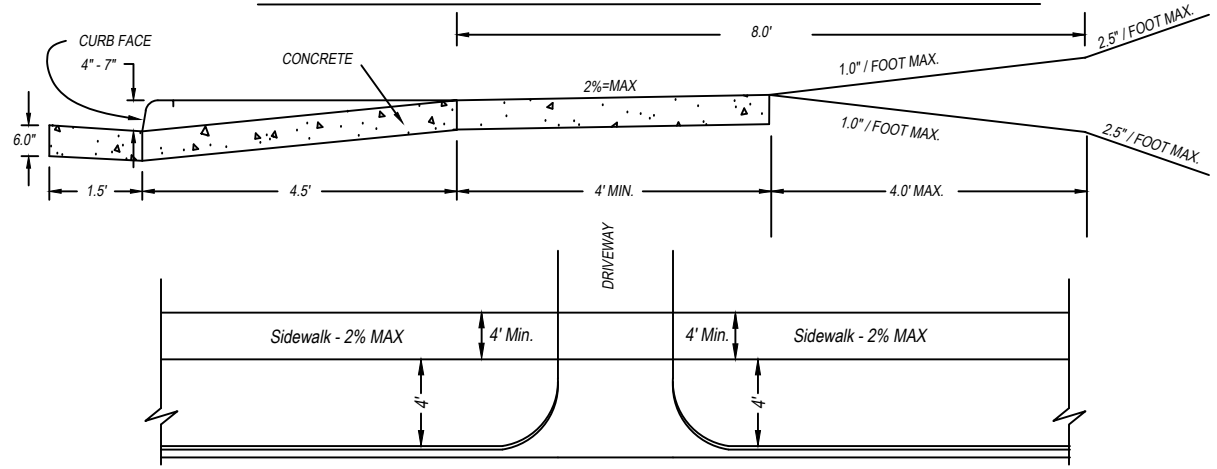


STANDARD DETAILS: STREETS	5.04

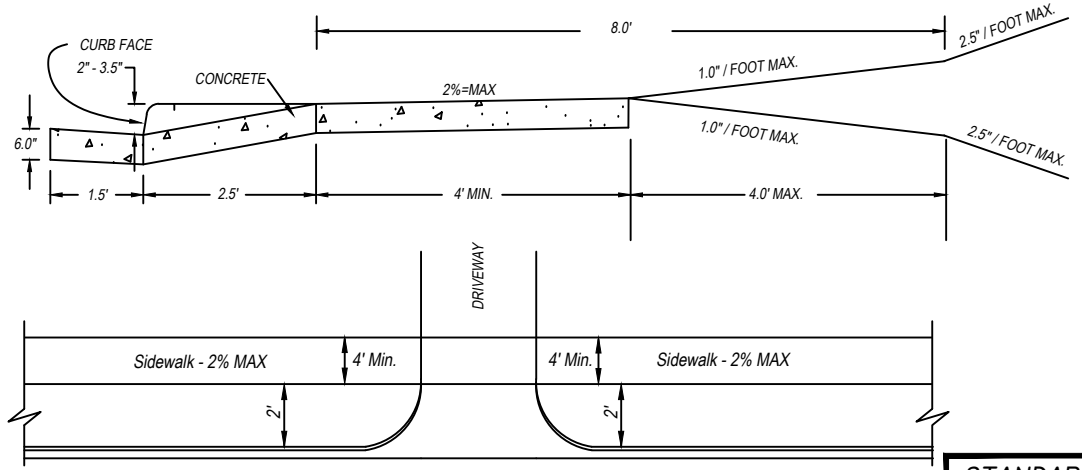
City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

DRIVEWAY / SIDEWALK WITH 4.0' GREENSPACE



DRIVEWAY / SIDEWALK WITH 2.0' GREENSPACE



STANDARD DETAILS: STREETS	5.05

City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

NOTES:

1. SIDE SLOPES FOR STREETS SHALL VARY FROM A POINT SIX (6') FEET BEHIND THE CURB TO THE EXISTING ELEVATION AT THE RIGHT OF WAY (R.O.W.), EXCEPT THAT SUCH SLOPE SHALL NOT BE GREATER THAN 3:1. IN CASES WHERE A 3:1 SLOPE CARRIES THE CONSTRUCTION LIMITS BEYOND THE R.O.W. LINE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEARING & GRUBBING, EXCAVATION, BACKFILL, MULCHING OR ANY OTHER WORK REQUIRED TO ACCOMMODATE THE 3:1 SLOPE. IN CASES WHERE ROCK IS ENCOUNTERED, THE SLOPE MAY BE 2.5:1 IN THE ROCK PORTION.

2. FOR PORTLAND CEMENT CONCRETE PAVEMENTS, THE TYPICAL CROSS SECTION SHALL BE DESIGNED ON A CASE BY CASE BASIS.

3. CURB AND GUTTER SHALL BE CAST IN PLACE WITH THE FOLLOWING REQUIREMENTS: EXPANSION JOINT AT FIFTY (50.0') FOOT INTERVALS WITH DUMMY JOINTS AT TEN (10.0') FOOT INTERVALS. WHEN ELECTRIC, GAS, SEWER OR WATER SERVICE LINES ARE IN PLACE, AN "E", "G", "S" OR "W" SHALL BE MARKED ON CURB FACE AND FLAT/GUTTER AT THE APPROPRIATE LOCATION(S. AFTER THE CURB & GUTTER HAS BEEN CURED, EXTRA PRECAUTIONS WILL BE TAKEN DURING BACKFILLING AND/OR OTHER ACTIVITIES TO PREVENT DAMAGE OR MARRING OF FINISH; REFER TO CURB & GUTTER DETAILS FOR PLACEMENT OF UTILITY MARKINGS WITH A MIN. OF 4"x2" LETTERS.

4. ALL ROADWAY MATERIALS (ASPHALT AND CRUSHED AGGREGATE BASE) SHALL COMPLY WITH THE CURRENT ALDOT STANDARDS, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

5. TACK POINTS (PRIME) SHALL BE APPLIED PRIOR TO WEARING SURFACE APPLICATION, AND BETWEEN LAYERS OF PAVEMENT MATERIAL FOR RESURFACING PROJECTS. TACK SHALL COMPLY WITH CURRENT ALDOT SPECIFICATIONS. IN ADDITION, IF PAVING OPERATION IS DELAYED, OR EDGES BECOME DIRTY OR MUDDY, ALL DIRT AND MUD MUST BE REMOVED PRIOR TO APPLYING TACK COAT.

6. BASE AND WEARING SURFACE REQUIREMENTS ARE BASED ON CBR OF 6-9 FOR SUBGRADE SOILS. ALTERNATE DESIGN FOR FULL DEPTH PAVEMENTS OR VARIANCE TO LISTED THICKNESSES WILL BE CONSIDERED ON A CASE BY CASE BASIS, BASED ON SUBGRADE SOILS AND/OR EXPECTED TRUCK TRAFFIC.

7. PROVIDE 1 1/2" DEEP BY 1/8" WIDE CONTROL JOINTS EVERY 5' WITH EXPANSION JOINTS EVERY 50'. EXPANSION MATERIAL CAN BE FIBER BOARD OR A TREATED 1X4.

8. FOR NON CURB AND GUTTER STREETS, A PAVED DRIVEWAY TURNOUT IS REQUIRED. SLOPES MUST MEET ILLUSTRATED REQUIREMENTS ON THESE DETAILS.

9. ALL TREE PLANTINGS WITHIN THE RIGHT OF WAY MUST BE APPROVED BY THE CITY OF AUBURN PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLATION. PLANTINGS SHALL BE IN ACCORDANCE WITH THE STANDARD DETAIL.

10. WHEN A DEVELOPMENT WARRANTS THE WIDENING OF THE ROADWAY THAT WILL ALTER THE CURRENT TRAFFIC STRIPING, THE DEVELOPER, AT THEIR EXPENSE , SHALL PROVIDE A ONE INCH (1") OVERLAY. THE LIMITS OF THE OVERLAY SHALL COVER ALL TRAVEL LANES AND WILL BEGIN AND END AT THE LIMITS OF THE ALL ROADWAY IMPROVEMENTS.

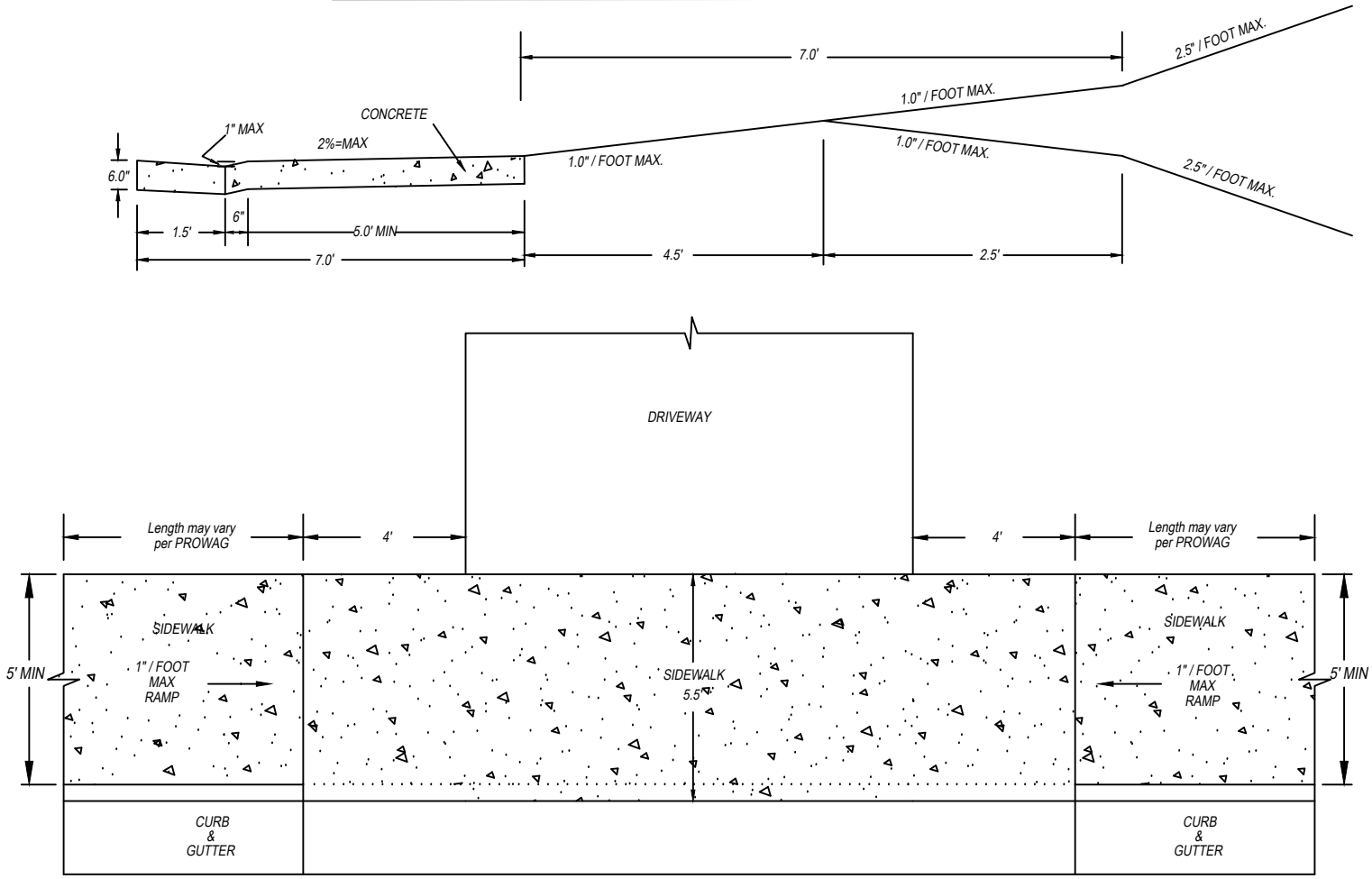
11. THE GUTTER DEPTH MAY BE USED TO ACCOUNT FOR THE DEPTH OF PARKING SPACE PROVIDED THERE IS A TWO FOOT GRASS STRIP BETWEEN THE BACK OF CURB AND THE FOUR FOOT WIDE SIDEWALK. IF SIDEWALK IS PLACED IMMEDIATELY ADJACENT TO THE BACK OF CURB AND THE GUTTER DEPTH IS USED FOR PARKING THE SIDEWALK SHALL BE INCREASED TO FIVE FEET WIDE. IN NO CASES SHALL THE GUTTER WIDTH BE COUNTED TOWARD THE WIDTH OF A PARKING SPACE.

12. JOINT SEAL SHALL BE PLACED ON THE BINDER LAYER IF THE WEARING SURFACE IS NOT APPLIED FOR 12 MONTHS.

13. SIDEWALK CROSS SLOPES SHALL BE 1% MINIMUM.

STANDARD DETAILS: STREETS	5.06
City of Auburn	
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	03-01-2024
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

DRIVEWAY / SIDEWALK WITHOUT GREENSPACE

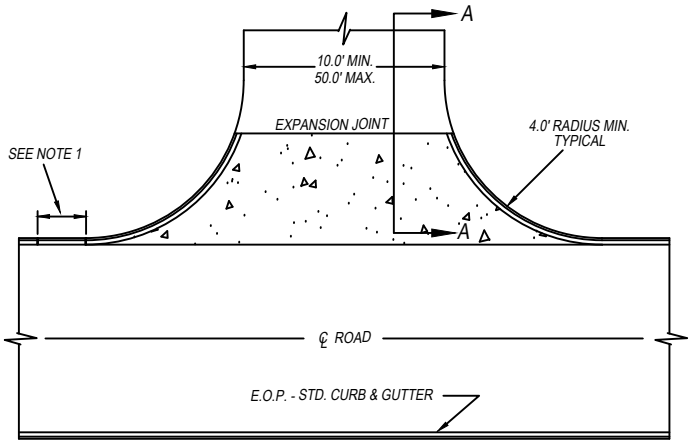


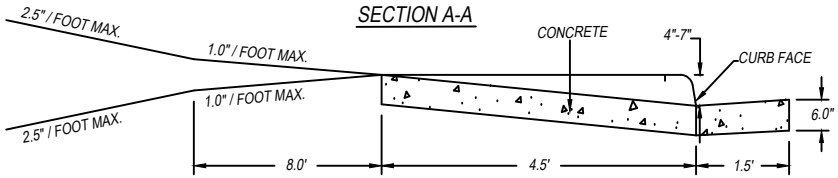
STANDARD DETAILS: STREETS	5.07

City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

STANDARD DRIVEWAY



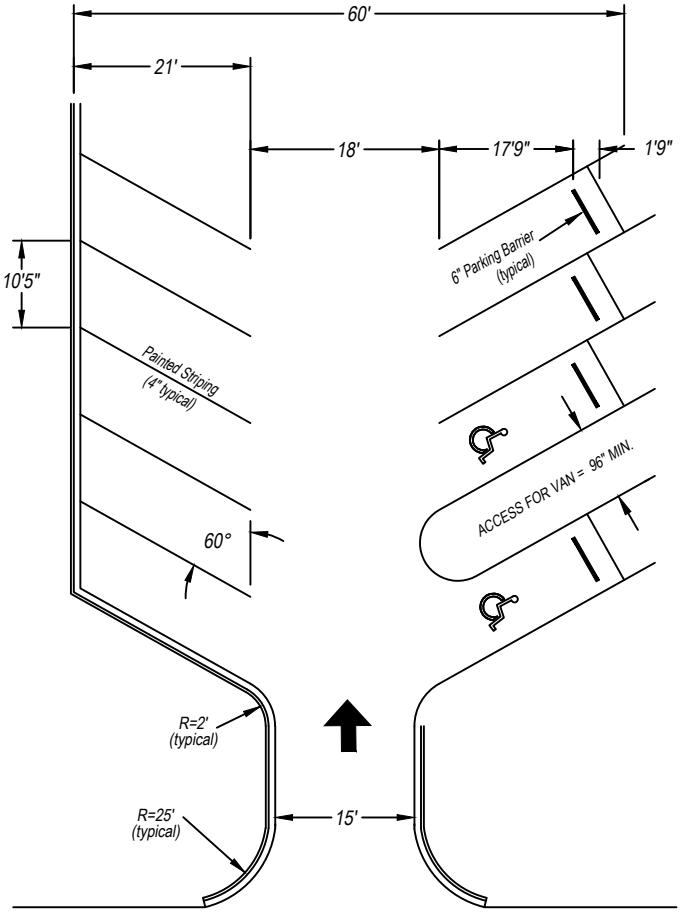


NOTES:

1. DISTANCE FROM RADIUS POINT TO EXISTING EXPANSION OR CONSTRUCTION JOINT SHALL BE AT LEAST 3'. IF THE DISTANCE IS LESS THAN 3.0', CURB & GUTTER SHALL BE REPLACED TO THE EXISTING JOINT.
2. EXPANSION JOINT TO BE PLACED AT TIE IN.
3. THE TEN FOOT MINIMUM WIDTH IS FOR RESIDENTIAL USES ON LOCAL STREETS, CUL-DE-SACS, AND ALLEYS. ALL OTHERS WILL BE TWELVE FOOT MINIMUM WIDTH. THE 50' WIDTH IS RESERVED FOR COMMERCIAL AND MULTI UNIT RESIDENTIAL DEVELOPMENTS.(FOR ALL OTHER RESIDENTIAL USES THE MAXIMUM DRIVEWAY WIDTH SHALL BE 24'. (See section 5.2.6 in the Engineering Design and Construction Manual for further guidance.)
4. DRIVEWAY TURNOUT WIDTHS ARE MEASURED AT THE RIGHT OF WAY.
5. REMOVE CURB & GUTTER FOR DRIVEWAY TURNOUT PLACEMENT. SAW CUTTING IS PERMITTED ALONG THE CURB LINE / GUTTER TO MAINTAIN EXISTING GUTTER.
6. ALL CONCRETE SHALL BE A MINIMUM OF SIX INCHES THICK.
7. RADII FOR USES OTHER THAN RESIDENTIAL MUST BE TWENTY-FIVE FOOT, MINIMUM.
8. ON STREETS WITH SIDEWALK CONCRETE DRIVEWAY TURNOUT MUST EXTEND TO THE BACK EDGE OF THE SIDEWALK.
9. CONCRETE DRIVEWAY TURNOUT MUST MEET CITY STANDARDS OR CAN BE DESIGNED TO SITE SPECIFIC CONDITIONS.
10. IF ON A NON-CURB AND GUTTER STREET AN ASPHALT APRON MAY BE UTILIZED.

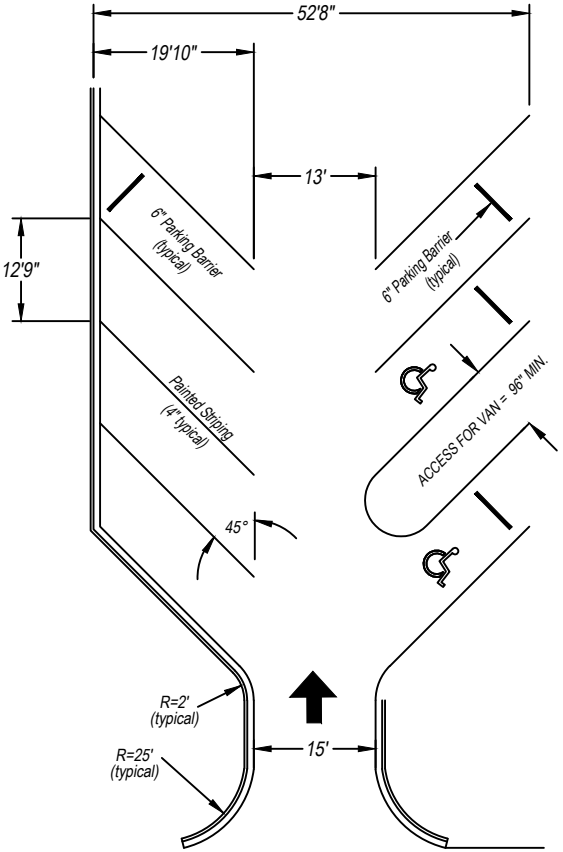
STANDARD DETAILS: STREETS	5.08
City of Auburn	
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	03-01-2024
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

PARKING PLAN - 60° PARKING



NOTE: ALLOW 3'9" FOR REAR OVERHANG.

PARKING PLAN - 45° PARKING

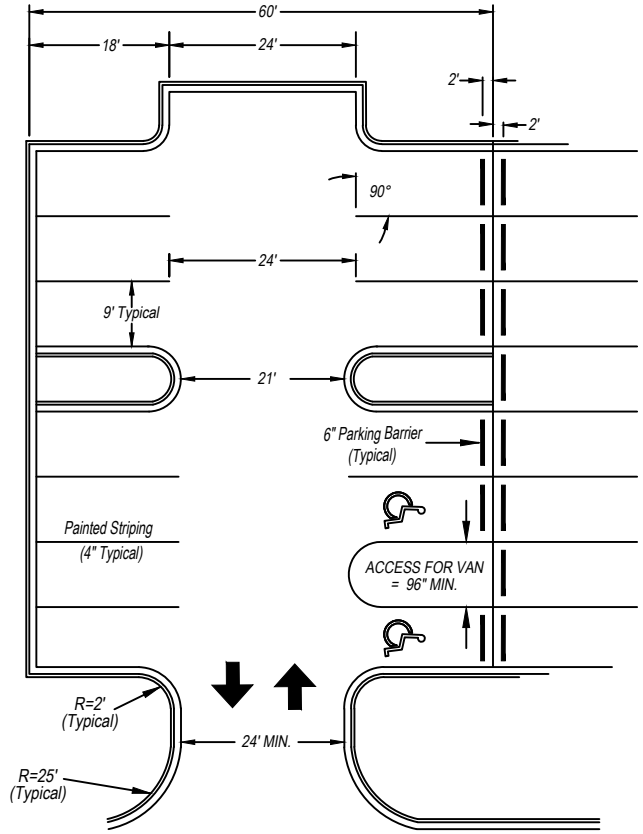


NOTE: ALLOW 3'3" FOR REAR OVERHANG.

STANDARD DETAILS: STREETS	5.09
City of Auburn	

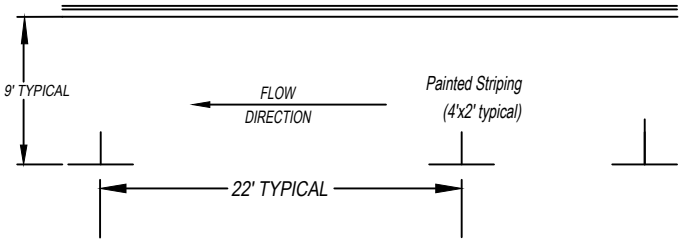
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

PARKING PLAN - 90° PARKING



NOTE: ALLOW 4' FOR REAR OVERHANG.

PARKING PLAN - PARALLEL PARKING



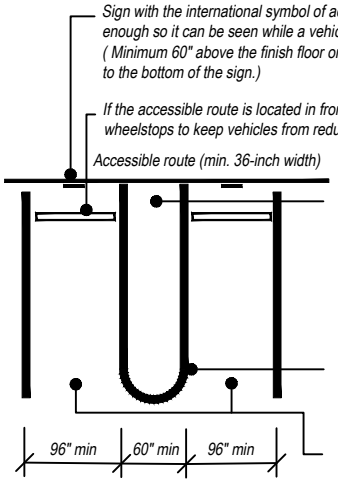
STANDARD DETAILS: STREETS	5.10

City of Auburn

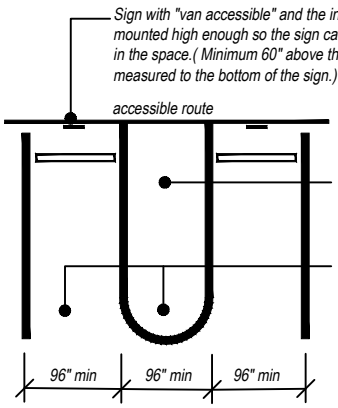
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

ACCESSIBLE PARKING

Features of Accessible Parking Spaces for Cars



Three Additional Features for Van-Accessible Parking Spaces



ACCESSIBLE PARKING SPACES	
TOTAL PARKING SPACES PROVIDED	REQUIRED MINIMUM NUMBER OF ACCESSIBLE SPACES
1 to 25	1
26 to 50	2
51 to 75	3
76 to 100	4
101 to 150	5
151 to 200	6
201 to 300	7
301 to 400	8
401 to 500	9
501 to 1,000	2% of total
501 to 1,000	20, plus one for each 100 over 1,000

Where parking is provided, accessible parking spaces shall be provided in accordance with this table.

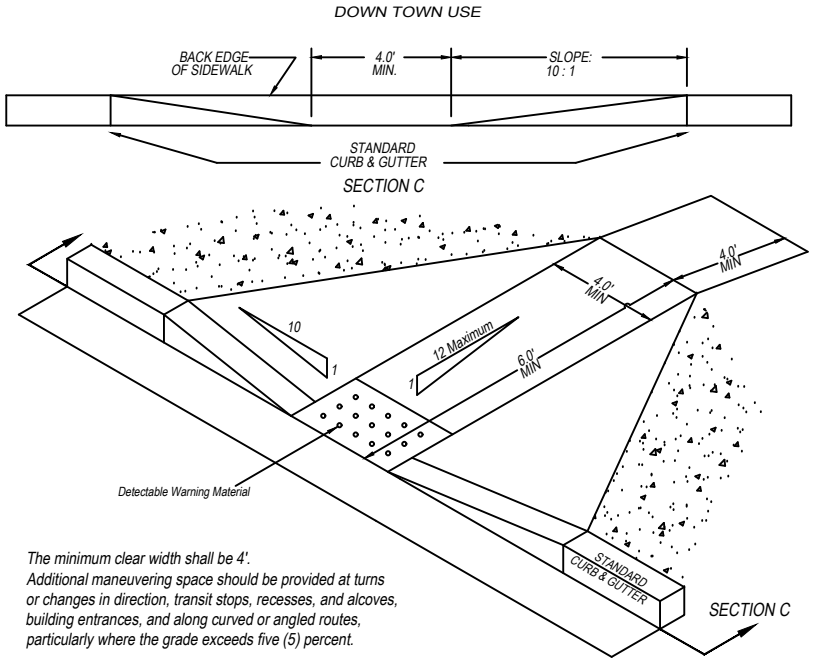
REFERENCE:
INTERNATIONAL BUILDING CODE, LATEST EDITION.

STANDARD DETAILS: STREETS 5.11

City of Auburn

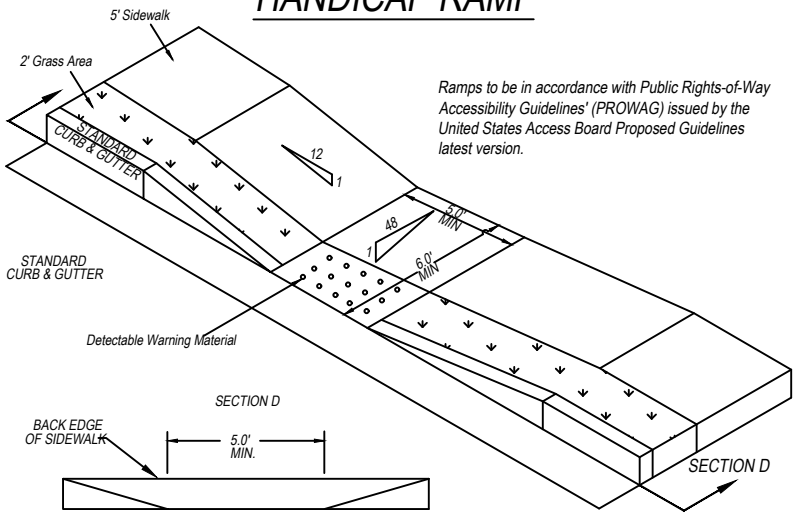
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

HANDICAP RAMP



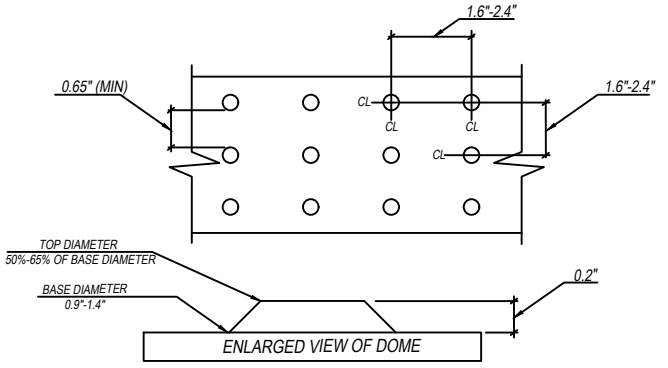
The minimum clear width shall be 4'.
Additional maneuvering space should be provided at turns or changes in direction, transit stops, recesses, and alcoves, building entrances, and along curved or angled routes, particularly where the grade exceeds five (5) percent.

HANDICAP RAMP



Ramps to be in accordance with Public Rights-of-Way Accessibility Guidelines' (PROWAG) issued by the United States Access Board Proposed Guidelines latest version.

DETECTABLE WARNING AT HANDICAP RAMP

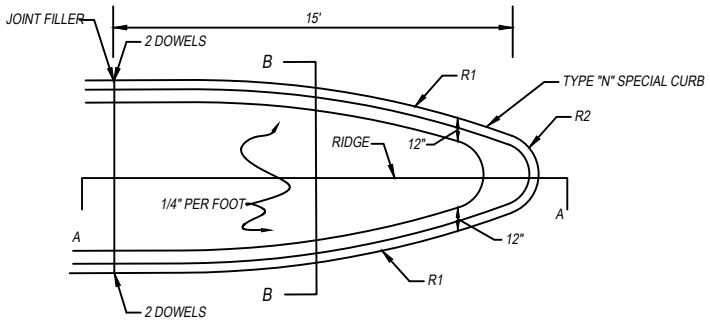


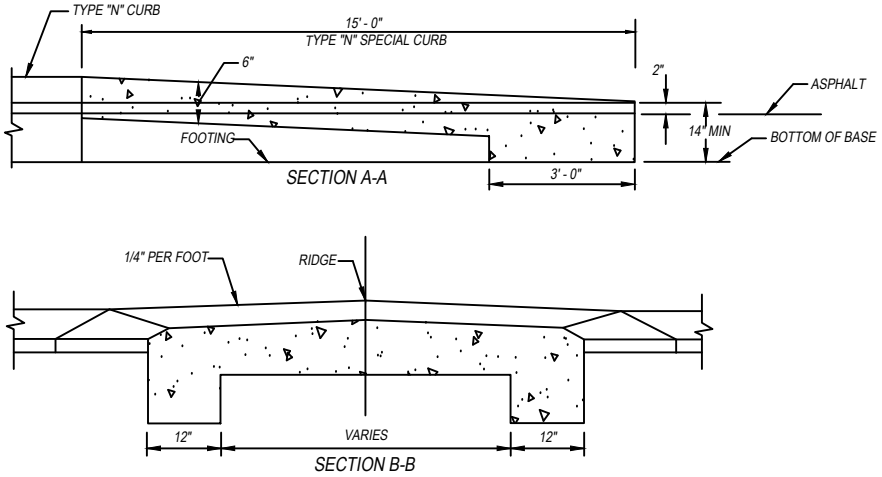
NOTES:

1. DETECTABLE WARNINGS SHALL CONSIST OF A SURFACE OF TRUNCATED DOMES AND SHALL COMPLY WITH APPLICABLE ADA REGULATIONS.
2. DOME SIZE: TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9 INCH MINIMUM TO 1.4 INCHES MAXIMUM, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM, AND HEIGHT OF 0.2 INCH
3. DOME SPACING: TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6 INCHES MINIMUM AND 2.4 INCHES MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.65 INCH MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES.
4. CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, STREET OR HIGHWAY, OR WALKWAY SURFACE EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
5. SIZE: DETECTABLE WARNING SURFACES SHALL EXTEND 24 INCHES MINIMUM IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARES), THE LANDING, OR THE BLENDED TRANSITION.

STANDARD DETAILS: STREETS	5.12
City of Auburn	
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	03-01-2024
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

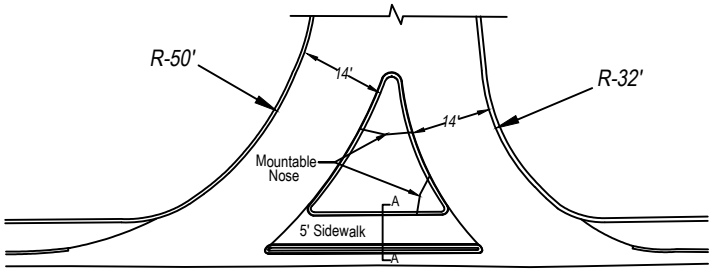
MOUNTABLE ISLAND NOSE





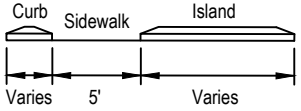
NOTES:
1. R1 = TURNING SPEED RADIUS: 20 MPH = 90', 25 MPH = 150', 30 MPH = 230'. R1 SHALL BE A MINIMUM OF 80'.
2. R2 = 1/2 MEDIAN WIDTH (MAXIMUM) BUT ACCEPTABLE WHEN R2 IS APPROXIMATELY 1/5 OF MEDIAN WIDTH.

RIGHT IN RIGHT OUT DETAIL



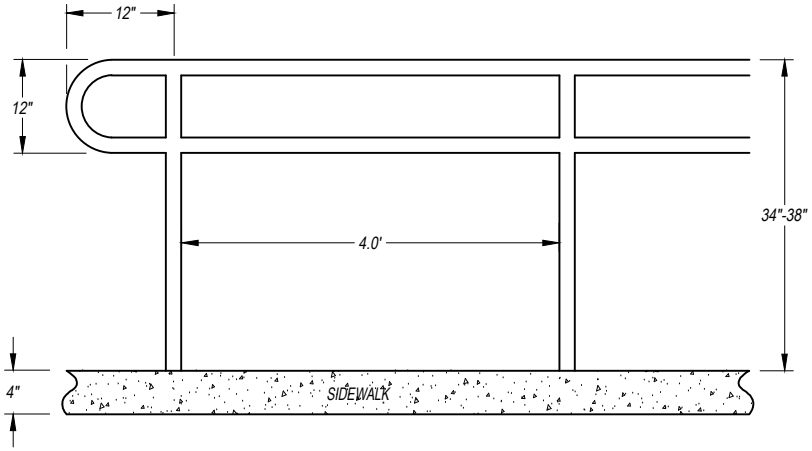
RIGHT IN RIGHT OUT DETAIL

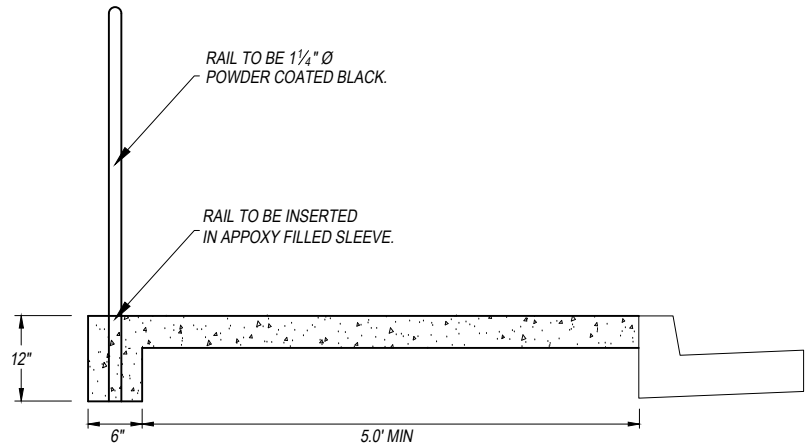
Detail A-A



STANDARD DETAILS: STREETS	5.13
City of Auburn	
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

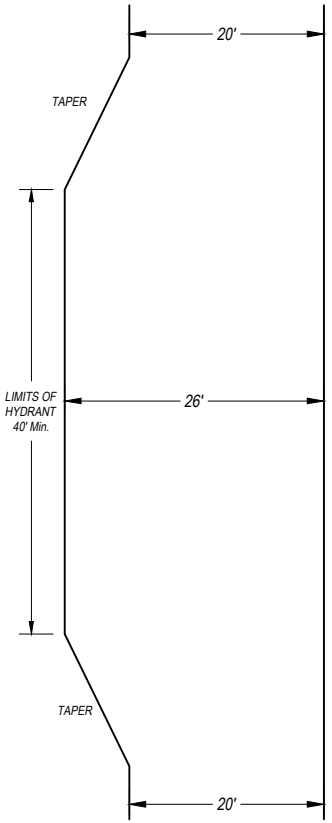
SIDEWALK GUARDRAIL DETAIL





RIGHT ALT. VIEW

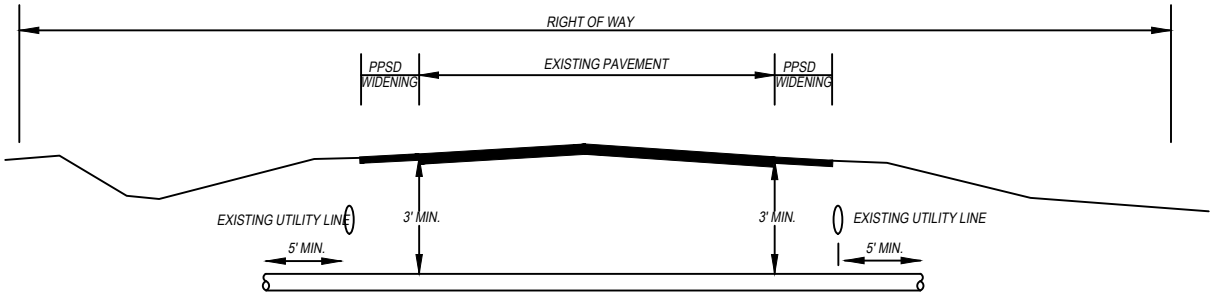
ROADWAY FLARE AT HYDRANT



When a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet from EP - EP for non curb and gutter streets, exclusive of shoulders, or from face of curb - face of curb for curb and gutter streets, for at least 40 feet at the hydrant.

STANDARD DETAILS: STREETS	5.14
City of Auburn	
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	03-01-2024
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

JACK & BORE DETAIL



NOTES:
1. CASING SHOULD EXTEND AT LEAST 5' BEYOND EXISTING UTILITIES OR EDGE OF PAVEMENT, WHICHEVER IS GREATER.
2. IF WIDENING PLANS EXIST FOR THE ROADWAY TO BE BORED, ADDITIONAL CASING LENGTH MAY BE REQUIRED.
3. SPECIFIC INFORMATION ON BORING UNDER ROADWAYS IS FOUND IN THE PUBLIC WORKS DESIGN AND CONSTRUCTION MANUAL.
4. FOR WATER MAINS LOCATED WITHIN THE ENCASEMENT, THE MAIN SHALL DEFLECT IMMEDIATELY AFTER EXITING THE ENCASEMENT USING TWO 45-DEGREE BENDS TO ALLOW FOR FUTURE MAINTENANCE ON THE MAIN.

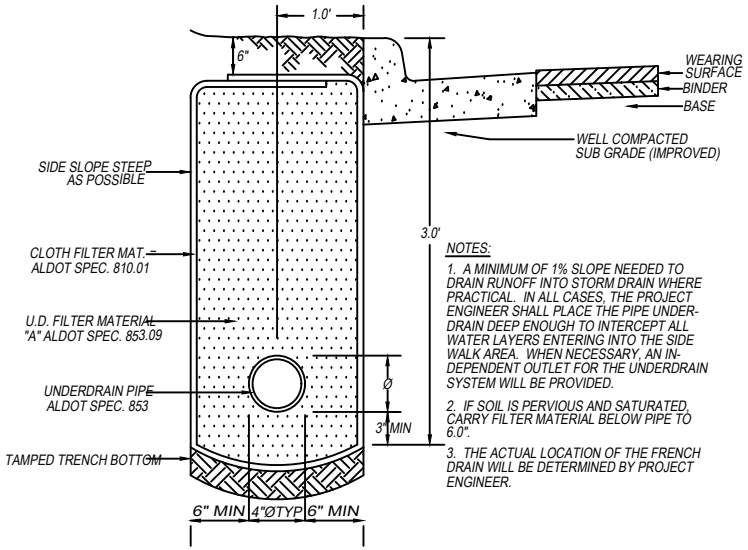
ENCASEMENT SIZING
WATER AND SANITARY SEWER

CARRIER PIPE		SPACER	STEEL ENCASEMENT	
NOMINAL PIPE DIAMETER	STANDARD PIPE BELL O.D.	CASING SPACER BAND WIDTH	MINIMUM CASING THICKNESS	MINIMUM CASING DIAMETER
4	6.40	8	0.25	14
6	8.60	8	0.25	16
8	11.16	8	0.25	18
10	13.25	8	0.25	20
12	15.22	8	0.25	22
14	17.73	12	0.25	24
16	19.86	12	0.3125	26
18	22.16	12	0.3125	30
20	24.28	12	0.3125	32
24	28.50	12	0.3125	36
30	34.95	12	0.5	42
36	41.37	12	0.5	48

ALL SIZES INDICATED ARE IN INCHES.

*CASING DIAMETERS BASED ON BEING A MINIMUM OF 6 INCHES GREATER THAN THE OUTER DIAMETER OF THE JOINT BELL, TO THE NEAREST EVEN SIZE.

PIPE UNDERDRAIN W/CURB & GUTTER



NOTES:

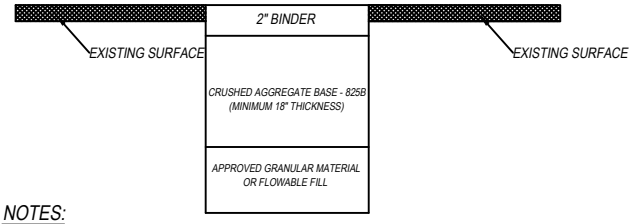
1. A MINIMUM OF 1% SLOPE NEEDED TO DRAIN RUNOFF INTO STORM DRAIN WHERE PRACTICAL. IN ALL CASES, THE PROJECT ENGINEER SHALL PLACE THE PIPE UNDER-DRAIN DEEP ENOUGH TO INTERCEPT ALL WATER LAYERS ENTERING INTO THE SIDE WALK AREA. WHEN NECESSARY, AN IN-DEPENDENT OUTLET FOR THE UNDERDRAIN SYSTEM WILL BE PROVIDED.
2. IF SOIL IS PERVIOUS AND SATURATED, CARRY FILTER MATERIAL BELOW PIPE TO 6.0".
3. THE ACTUAL LOCATION OF THE FRENCH DRAIN WILL BE DETERMINED BY PROJECT ENGINEER.

STANDARD DETAILS: STREETS	5.15

City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

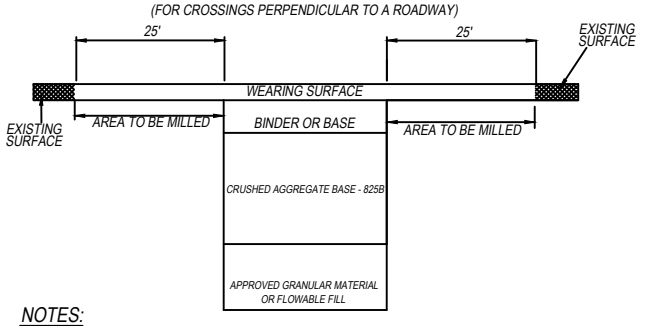
TEMPORARY UTILITY PATCH DETAIL



NOTES:

1. EDGES SHALL BE SAW CUT, VERTICAL AND SMOOTH OR JACK HAMMERED AND COATED WITH TACK.
2. 2" OF ASPHALT MUST BE PLACED IMMEDIATELY FOLLOWING WORK AND BE IN PLACE AT LEAST EIGHT WEEKS PRIOR TO PLACING THE FINAL PATCH.
3. ASPHALT AND CRUSHED AGGREGATE BASE MATERIALS SHALL BE IN ACCORDANCE WITH ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
4. APPROVED GRANULAR MATERIAL AND 825B TO BE COMPACTED IN EIGHT (8") LIFTS.
5. FLOWABLE FILL MUST BE PRE-APPROVED.

PERMANENT UTILITY PATCH DETAIL



NOTES:

1. PERMANENT PATCH MUST BE PLACED 25' EACH SIDE OF TRENCH FOLLOWING THE EIGHT WEEK TIME. ALL TEMPORARY ASPHALT MUST BE REMOVED. ANY DEVIATION TO THIS SEQUENCE MUST BE APPROVED BY THE CITY ENGINEER. MILLING IS REQUIRED ALONG ALL EDGES AND THE OVERLAY TO MATCH ADJACENT CONDITIONS.
2. FOR FOUR (4) LANE ROADWAYS, THE OVERLAY SHOULD EXTEND TO THE NEAREST LANE. MILLING IS REQUIRED ALONG ALL EDGES OF PAVEMENT.
3. ASPHALT AND CRUSHED AGGREGATE BASE MATERIALS SHALL BE IN ACCORDANCE WITH ALDOT
4. FOR UTILITY PATCHES RUNNING PARALLEL TO THE ROADWAY, PATCHING SHALL BE THE FULL WIDTH OF THE ROAD.
5. IF THE FULL 25' PATCH IS WAIVED BY THE CITY ENGINEER BASED ON THE EXISTING ROADWAY CONDITIONS, THE PERMANENT PATCH SHALL EXTEND ONE (1') FOOT ON EITHER SIDE OF THE TRENCH.
6. EDGES SHALL BE SAW CUT, VERTICAL AND SMOOTH OR JACK HAMMERED AND COATED WITH TACK.

	0 TO 2,000 VPD		2,001 TO 5,000 VPD		5,001 AND GREATER	
CLASSIFICATION	ALLEY/CUL-DE-SAC LOCAL RESIDENTIAL		RESIDENTIAL COLLECTOR		COLLECTOR/ARTERIAL LOCAL COMMERCIAL	
	CLASS II		CLASS III		CLASS IV	
	FULL DEPTH	ASPHALT/BASE	FULL DEPTH	ASPHALT/BASE	FULL DEPTH	ASPHALT/BASE
WEARING SURFACE (424A)	1"	1"	2"	1"	2"	1"
BINDER (424B) OR BASE (424C)	* 4"	2"	* 5"	* 4"	* 6"	* 4"
CRUSHED AGGREGATE BASE 825B		6"		6"		* 9"

NOTES: MIXES SHALL COMPLY WITH THE LATEST EDITION OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
* BINDER OR BASE LAYER TO BE PLACED IN TWO EQUAL LIFTS.

STANDARD DETAILS: STREETS 5.16

City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
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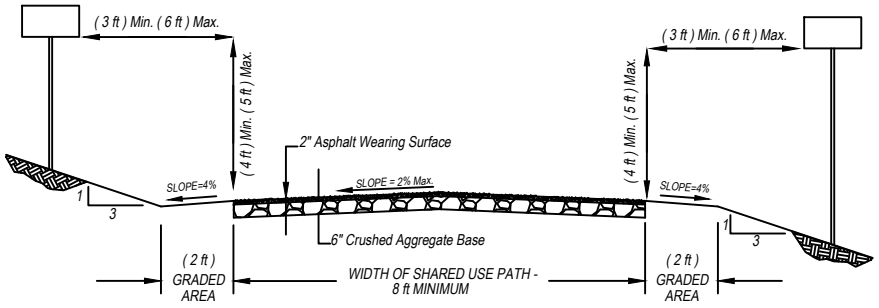
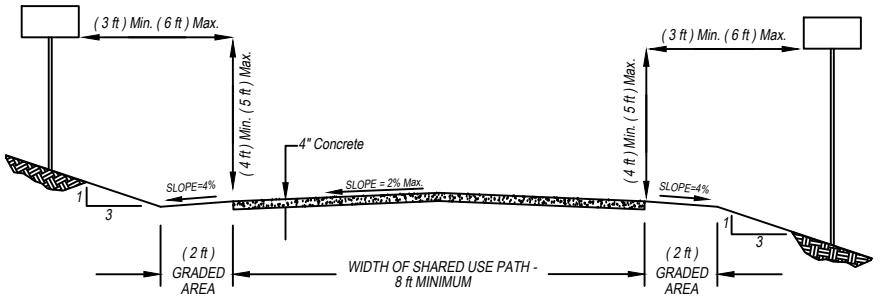
IMPLEMENTED: 01-01-2022	

MULTI USE PATH FOR TWO-WAY SHARED ON SEPARATED RIGHT-OF-WAY

ASPHALT SIDEWALK AND TRAILS



CONCRETE SIDEWALK AND TRAILS



MULTI USE PATH CONFIGURATIONS				
	PRIMARY PATH WIDTH	PRIMARY PATH DEPTH	SECONDARY PATH WIDTH	SECONDARY PATH DEPTH
ASPHALT	12.0'	2.0"/6.0"	8.0'	2.0"/6.0"
CONCRETE	12.0'	6.0"	8.0'	4.0"

AASHTO, GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES

STANDARD DETAILS: STREETS 5.17

City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
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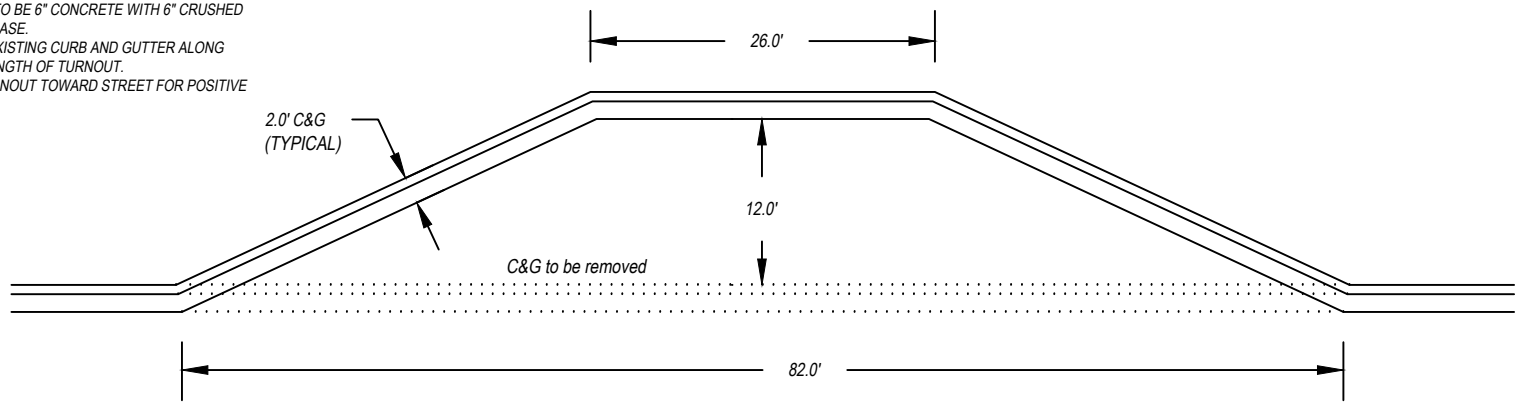
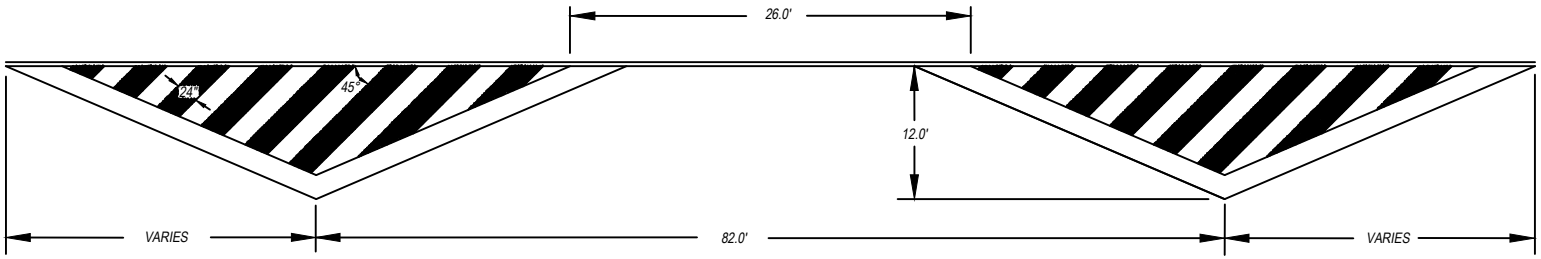
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

NOTES:
1. TURNOUT TO BE 6" CONCRETE WITH 6" CRUSHED AGGREGATE BASE.
2. REMOVE EXISTING CURB AND GUTTER ALONG COMPLETE LENGTH OF TURNOUT.
3. SLOPE TURNOUT TOWARD STREET FOR POSITIVE DRAINAGE.

BUS TURNOUT



BUS TURNOUT DETAIL PAINTED



STANDARD DETAILS: STREETS	5.18
City of Auburn	
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
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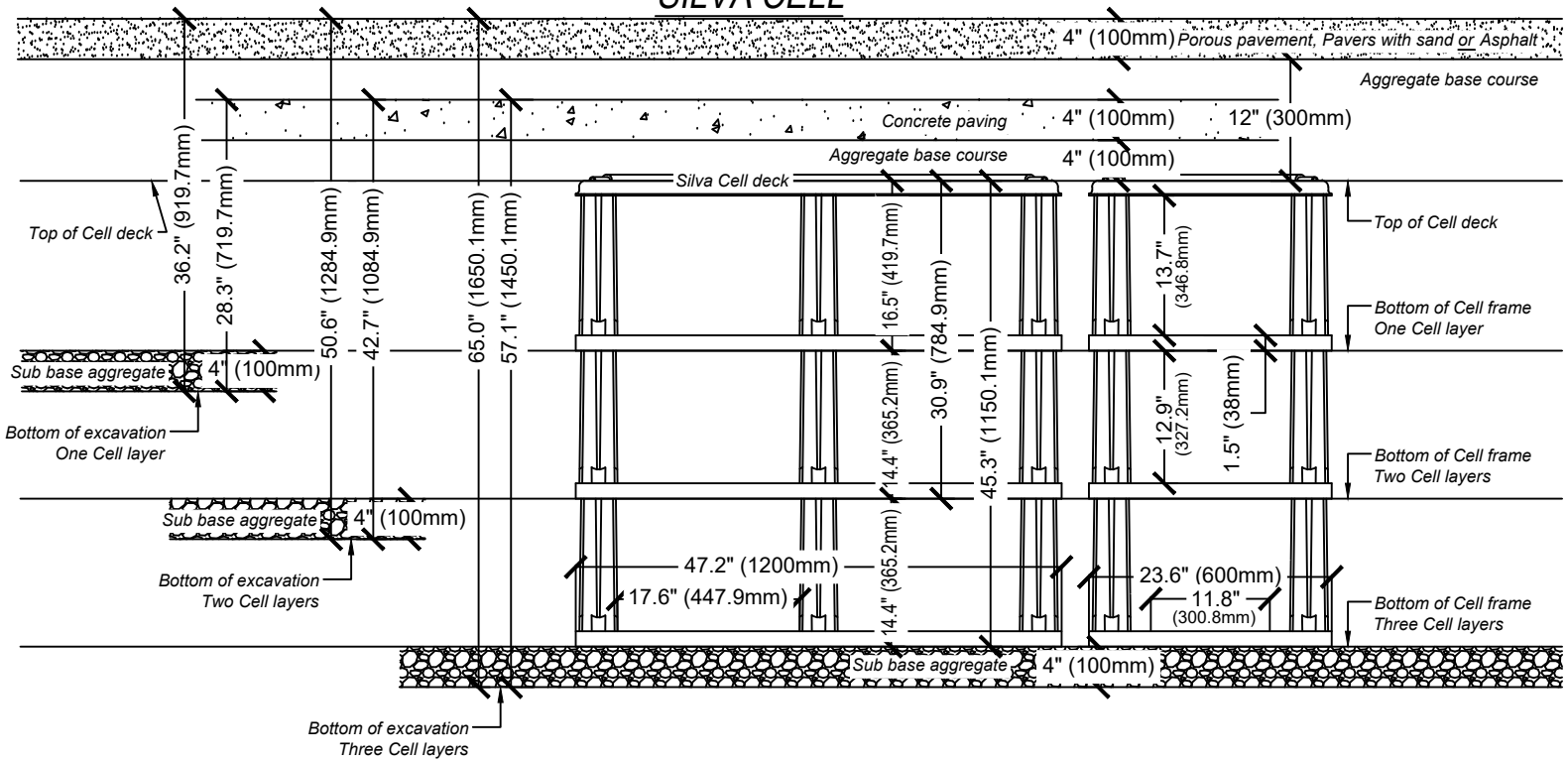
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

SILVA CELL



This detail shall be used in conjunction with Silva Cells for Trees Details and Specifications.

The above information contained in this standard detail is not to scale.

The standard detail is provided for general education and informational purposes only and does not constitute an endorsement, approval or recommendation of any kind. The actual suitability and applicability of this information for a given use depends upon a wide variety of considerations, including specific project specifications, over which DeepRoot® has no information or control. This standard detail should NOT be used as a basis for volume calculations that are site specific and vary greatly depending on cell and deck spacing, soil conditions and soil compaction. All DeepRoot® Silva Cell products are sold with the understanding that the purchaser, either individually or in consultation with purchaser's design professionals, has independently determined the suitability of each product for the application for which it is purchased. Except as expressly provided, DeepRoot® disclaims all warranties, express or implied, and strongly encourages the reader to consult with a construction/design professional and/or engineer before applying any of this information to a specific use or purpose.

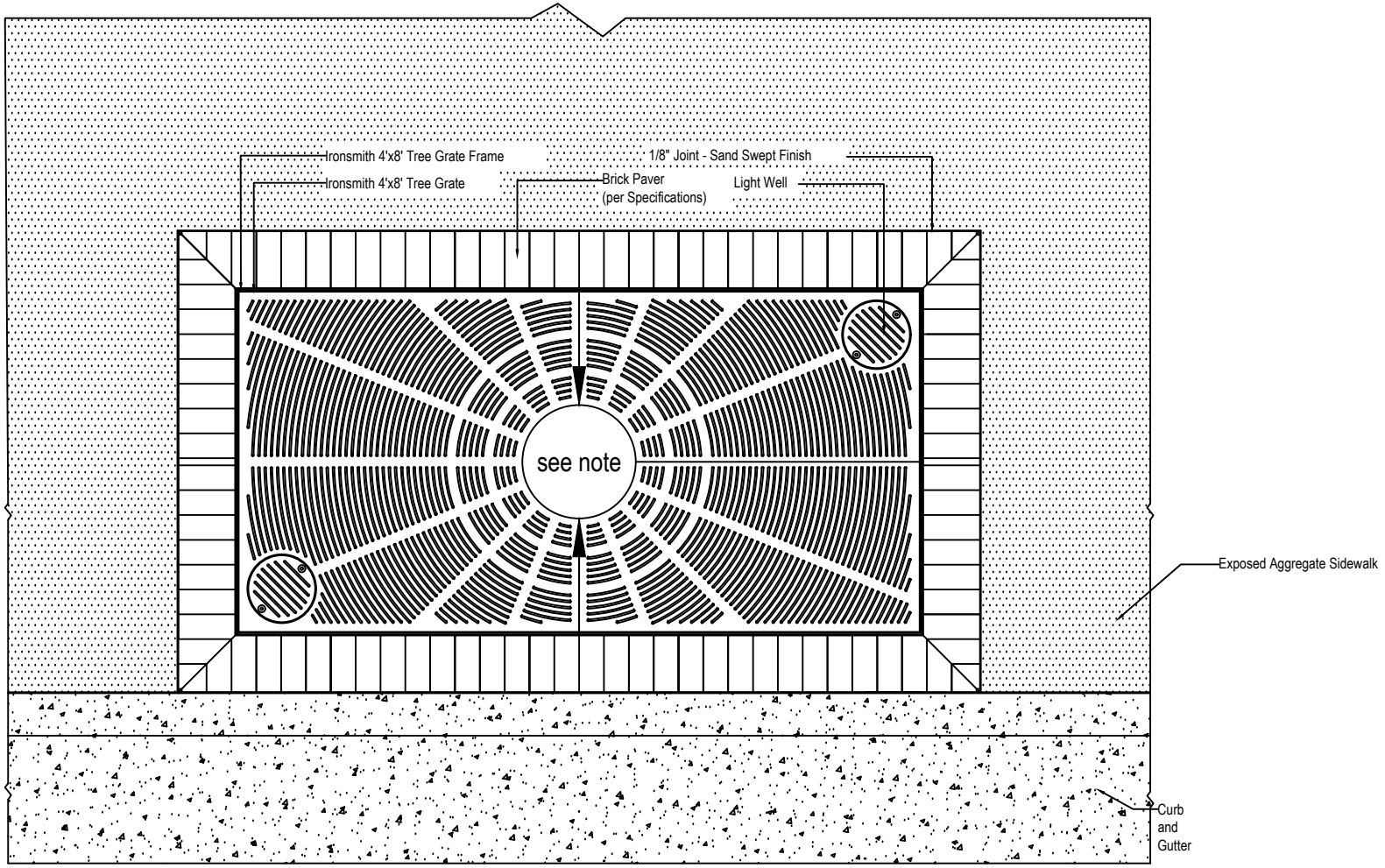
Contractor shall resolve utility conflicts using the manufacturers recommended utility conflict details.

Deep Root Partners L.P.
530 Washington Street
San Francisco, California 94111
Ph. 415 781-9700
www.deeproot.com

STANDARD DETAILS: STREETS	5.19
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

City of Auburn

TREE GRATE



TREE GRATE #M9628
STYLE: OLYMPIAN

NOTE:
1. BRICK PAVER COLOR- PINE HALL BRICK ENGLISH EDGE FULL RANGE, OR APPROVED EQUAL.

STANDARD DETAILS: STREETS	5.20

City of Auburn

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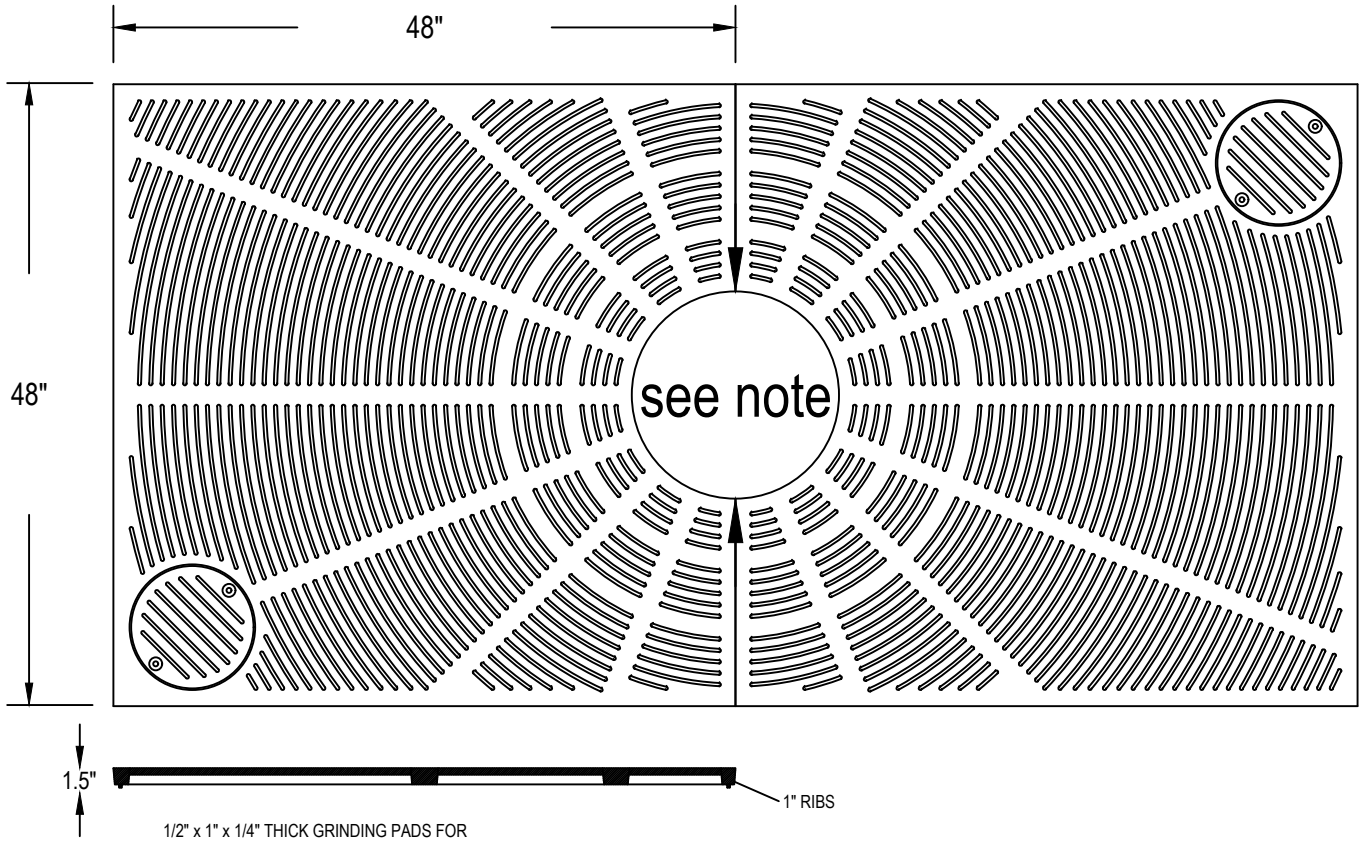
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

TREE GRATE



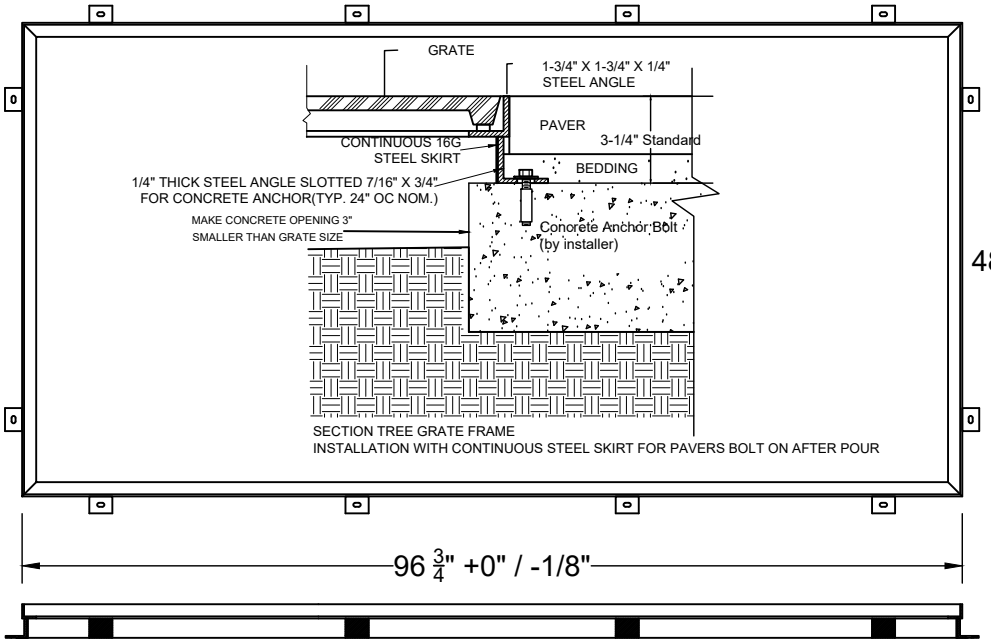
SLOT WIDTH IS 1/4" MAXIMUM, MEETS ADA COMPLIANCE.
GRATE CAST FROM GRAY IRON
TREE OPENING SIZE TO BE 16"
STEEL ANGLE FRAME REQUIRED
FOR INSTALLATION USE MODEL M48X96F
OUTER FRAME DIM. IS 3/4" ± 1/8"
GREATER THAN GRATE.

STANDARD DETAILS: STREETS	5.21

City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

TREE GRATE



RECTANGULAR
TREE GRATE FRAME
M48X96F -6

WITH DEAIL #6
BOLT IN INSTALLATION WITH
CONTINOUS STEEL SKIRT

ANCHORS : CONCRETE
ANCHOR BOLT BY
INSTALLER.

FRAME JIG WELDED FROM
1-3/4" x 1-3/4" x 1/4" STEEL
ANGLE PER ASTM A36

FRAME FINISH:
POWDER COAT-BLACK

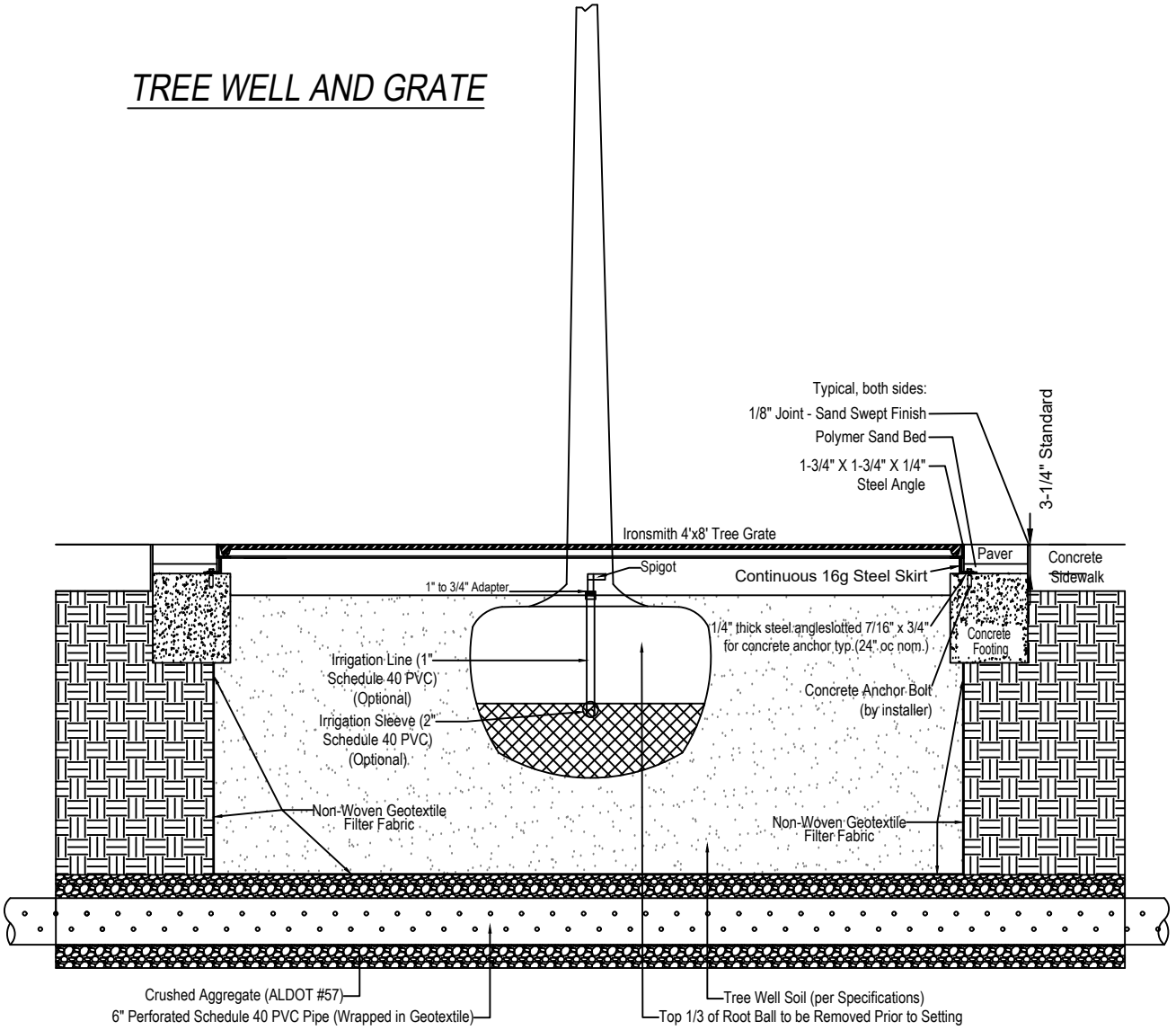
OTHER INSTALLATION
CONFIGURATIONS
AVAILABLE

IRONSMITH
41-701 CORPORATE WAY, #3
PALM DESERT, CA 92260
(800) 338-4766

STANDARD DETAILS: STREETS	5.22
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

City of Auburn

TREE WELL AND GRATE

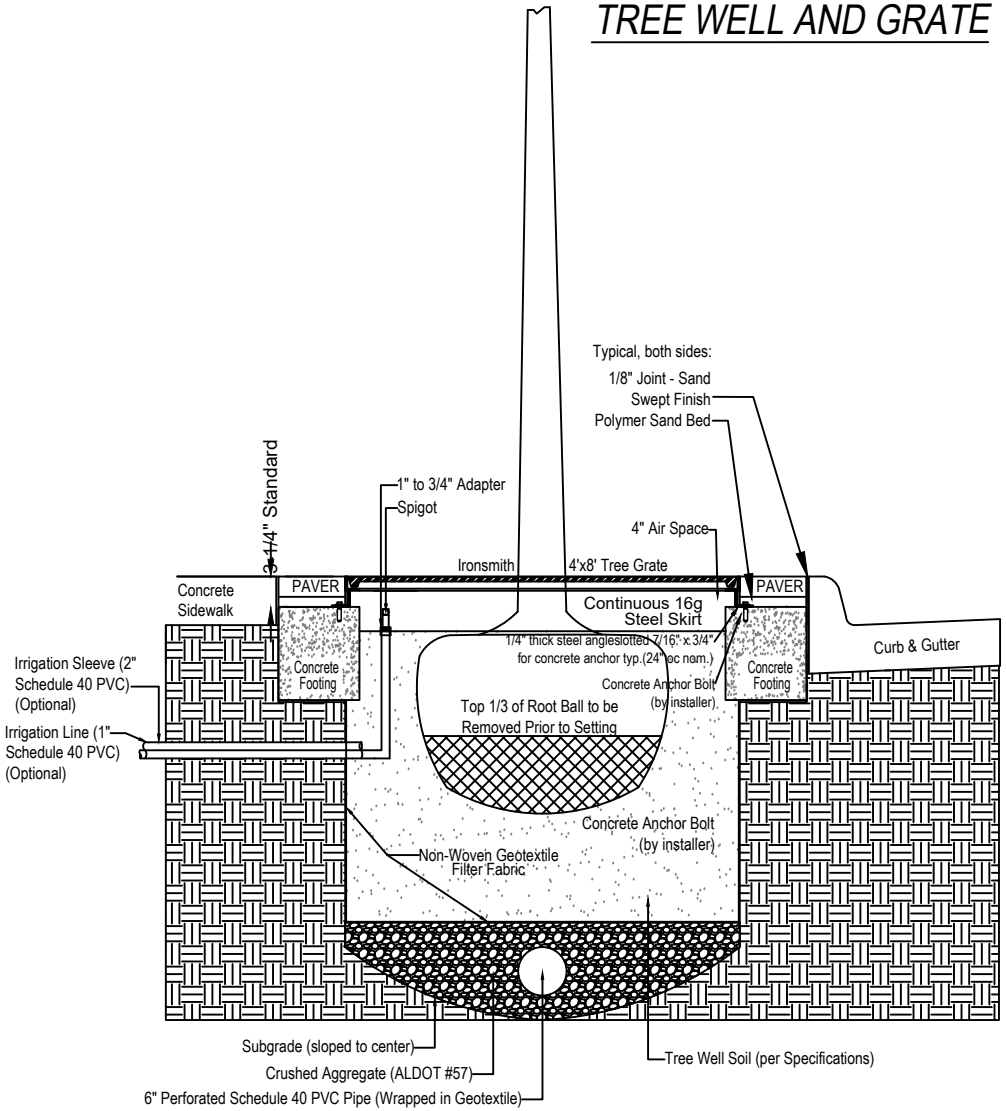


STANDARD DETAILS: STREETS	5.23

City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

TREE WELL AND GRATE

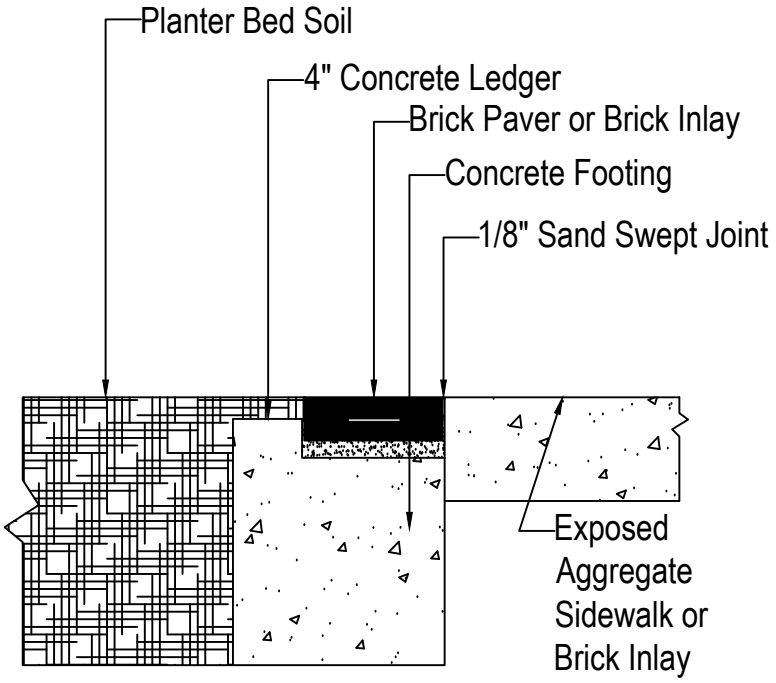


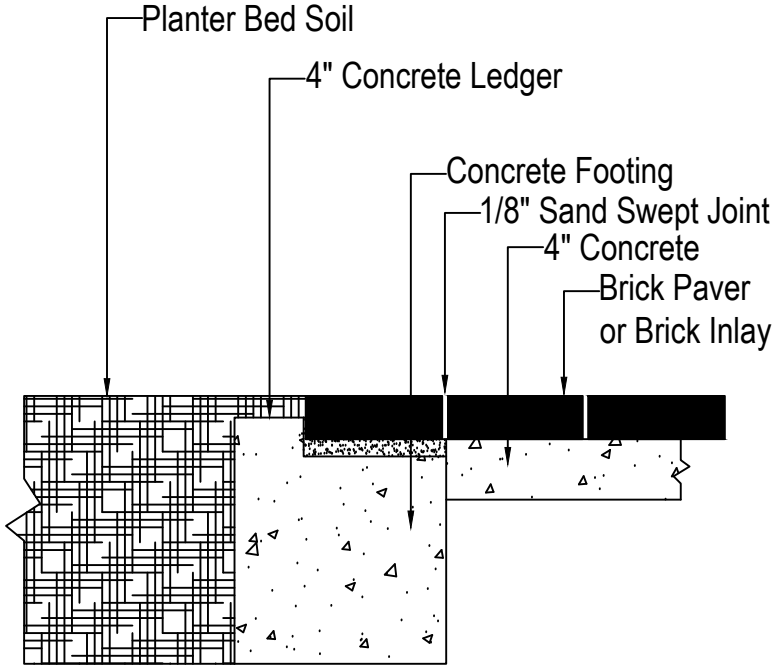
STANDARD DETAILS: STREETS	5.24

City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

TREE WELL AND GRATE



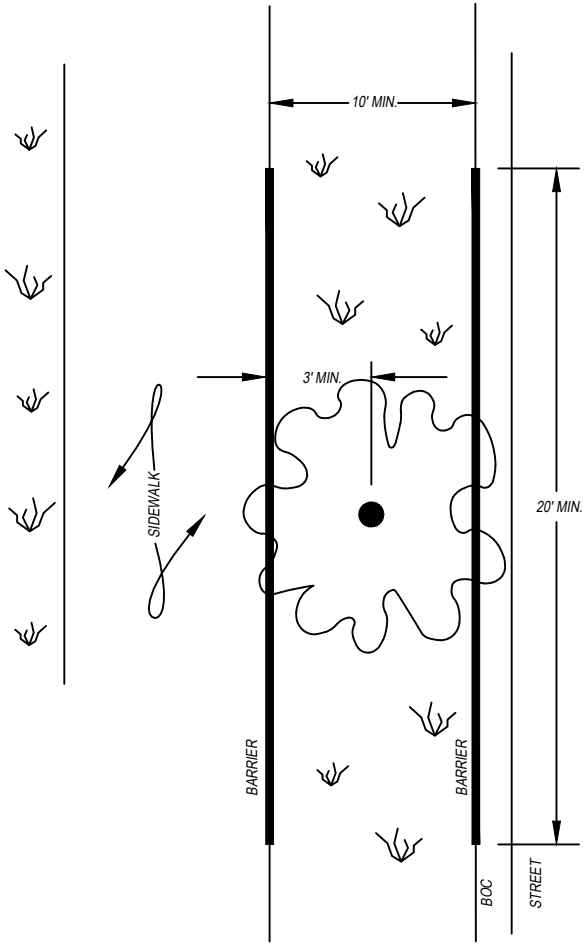


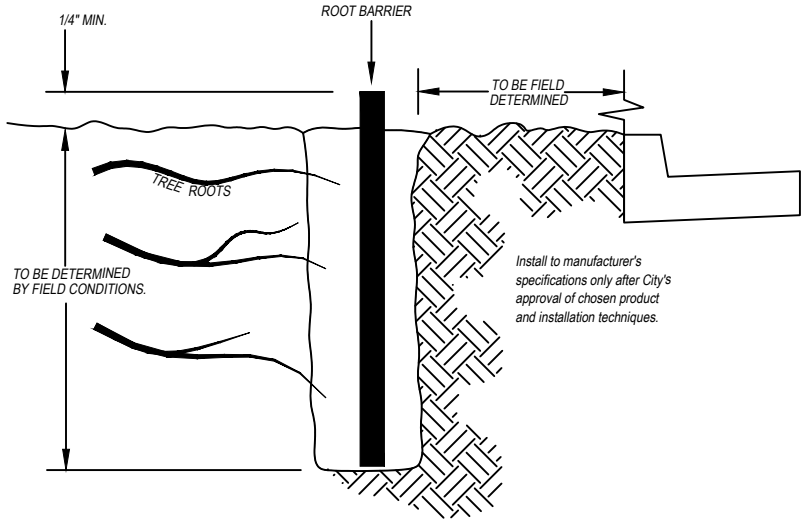
STANDARD DETAILS: STREETS	5.25

City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

ROOT BARRIER





TREES MUST BE 10' MIN. FROM ALL POTABLE WATER / SANITARY SEWER FEATURES.

TREES MAY BE LOCATED 6' MIN FROM CURB INLETS WHEN BARRIER INSTALLED AT INLETS. OTHERWISE, SETBACK IS 10' MIN.

BARRIER TO BE INSTALLED AGAINST CURB / SIDEWALK / INLETS ACCORDING TO MANUFACTURER'S INSTRUCTION FOR THESE MIN. DISTANCES.

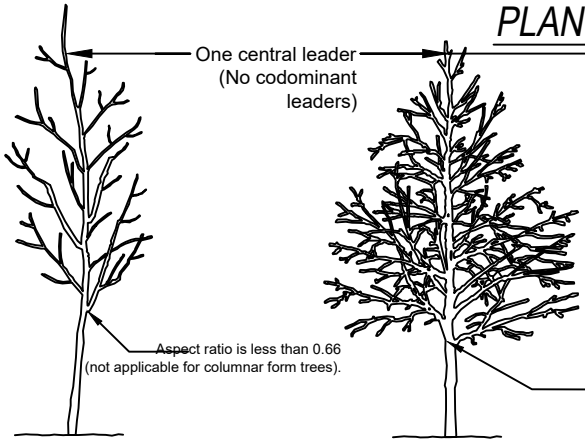
STANDARD DETAILS: STREETS	5.26

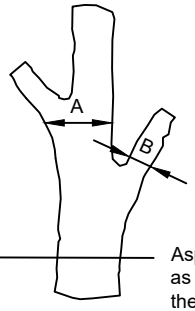
City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

PLANTINGS

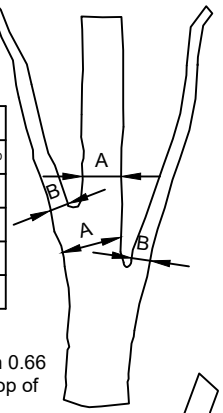
ACCEPTABLE



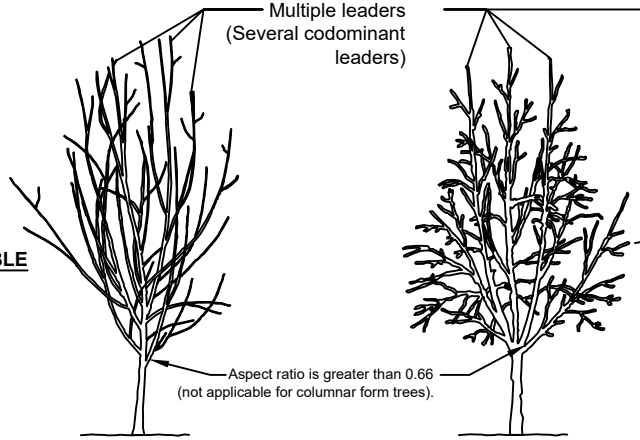


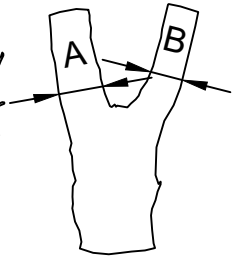
Example		
A	B	Aspect Ratio
1.50"	0.50"	0.33
2.50"	0.90"	0.36
2.0"	1.00"	0.50
2.50"	1.60"	0.64

Aspect ratio of B:A less than 0.66 as measured 1" above the top of the branch union.



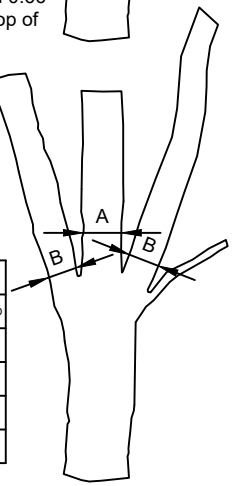
REJECTABLE





Example		
A	B	Aspect Ratio
2.50"	1.80"	0.72
2.0"	2.0"	1.0
2.50"	2.0"	0.80
4.0"	3.0"	0.75

Aspect ratio of B:A greater than or equal to 0.66 as measured 1" above the top of the branch union.



Notes:
1- Aspect ratio shall be less than 0.66 on all branch unions. Aspect ratio is the diameter of branch (B) divided by the diameter of the trunk (A) as measured 1" above the top of the branch union. This criterion is not applicable for columnar form trees.

2- Any tree not meeting the crown observations detail may be rejected.

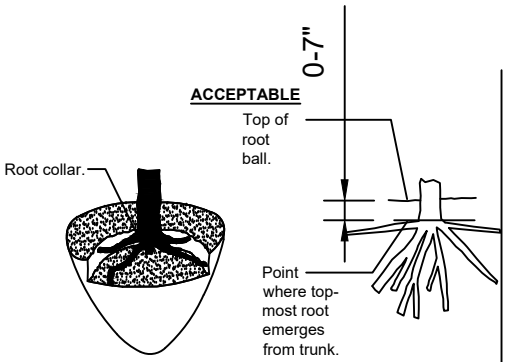
TREE ACCEPTANCE CRITERIA

ADAPTED FOR USE FROM:
URBAN TREE FOUNDATION © 2014

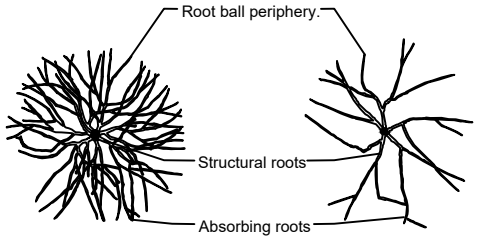
STANDARD DETAILS: STREETS	5.27
City of Auburn	
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

PLANTINGS

ACCEPTABLE

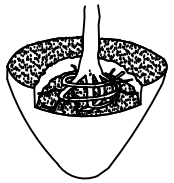


The point where top-most root(s) emerges from the trunk (root collar) should be within the top 2" of substrate. The root collar and the root ball interior should be free of defects including circling, kinked, ascending, and stem girdling roots. Structural roots shall reach the periphery near the top of the root ball.

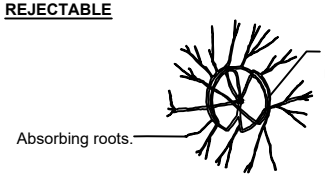


Roots radiate from trunk and reach side of root ball without defecting down or around.

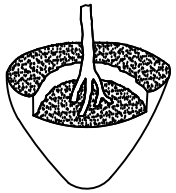
REJECTABLE



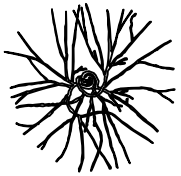
Structural roots circle interior of root ball. No structural roots are horizontal and reach the root ball periphery near the top of the root ball.



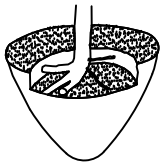
Only absorbing roots reach the periphery near the top of the root ball. Structural roots mostly wrap or are deflected on the root ball interior.



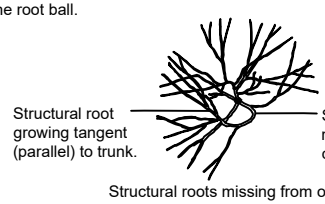
Structural roots descend into root ball interior. No structural roots are horizontal and reach the root ball periphery near the top of the root ball.



Structural roots circle and do not radiate from the trunk.



Structural roots primarily grow to one side.



Structural roots missing from one side, and/or grow tangent to trunk.

Notes:
1- Observations of roots shall occur prior to acceptance. Roots and soil may be removed during the observation process; substrate/soil shall be replaced after the observations have been completed.

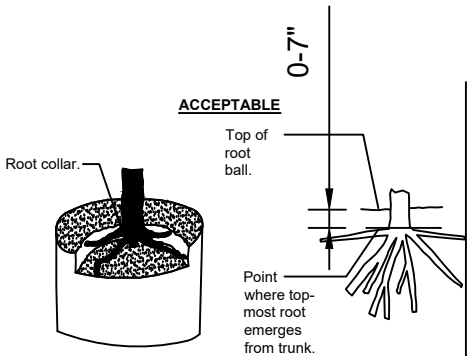
ROOT BALL CRITERIA - BALLED AND BURLAPPED

STANDARD DETAILS: STREETS	5.28
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

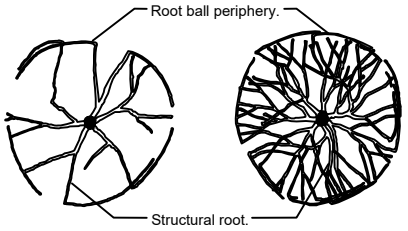
City of Auburn

PLANTINGS

ACCEPTABLE

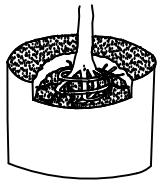


The point where top-most root(s) emerges from the trunk (root collar) should be within the top 2" of substrate. The root collar and the root ball interior should be free of defects including circling, kinked, ascending, and stem girdling roots. Structural roots shall reach the periphery near the top of the root ball.



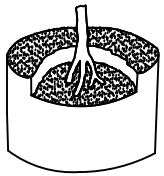
Roots radiate from trunk and reach side of root ball without deflecting down or around.

REJECTABLE

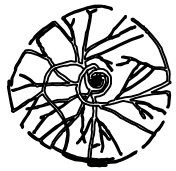


Structural roots circle interior of root ball. No structural roots are horizontal and reach the root ball periphery near the top of the root ball.

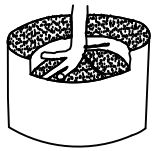
Only absorbing roots reach the periphery near the top of the root ball. Structural roots mostly wrap or are deflected on the root ball interior.



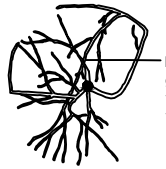
Structural roots descend into root ball interior. No structural roots are horizontal and reach the root ball periphery near the top of the root ball.



Structural roots circle and do not radiate from the trunk.



Structural roots primarily grow to one side.



Structural roots missing from one side, and/or grow tangent to trunk.

Notes:

1- Observations of roots shall occur prior to acceptance. Roots and substrate may be removed during the observation process; substrate/soil shall be replaced after observation has been completed.

2- Small roots (¼" or less) that grow around, up, or down the root ball periphery are considered a normal condition in container production and are acceptable however they should be eliminated at the time of planting. Roots on the periperhy can be removed at the time of planting. (See root ball shaving container detail).

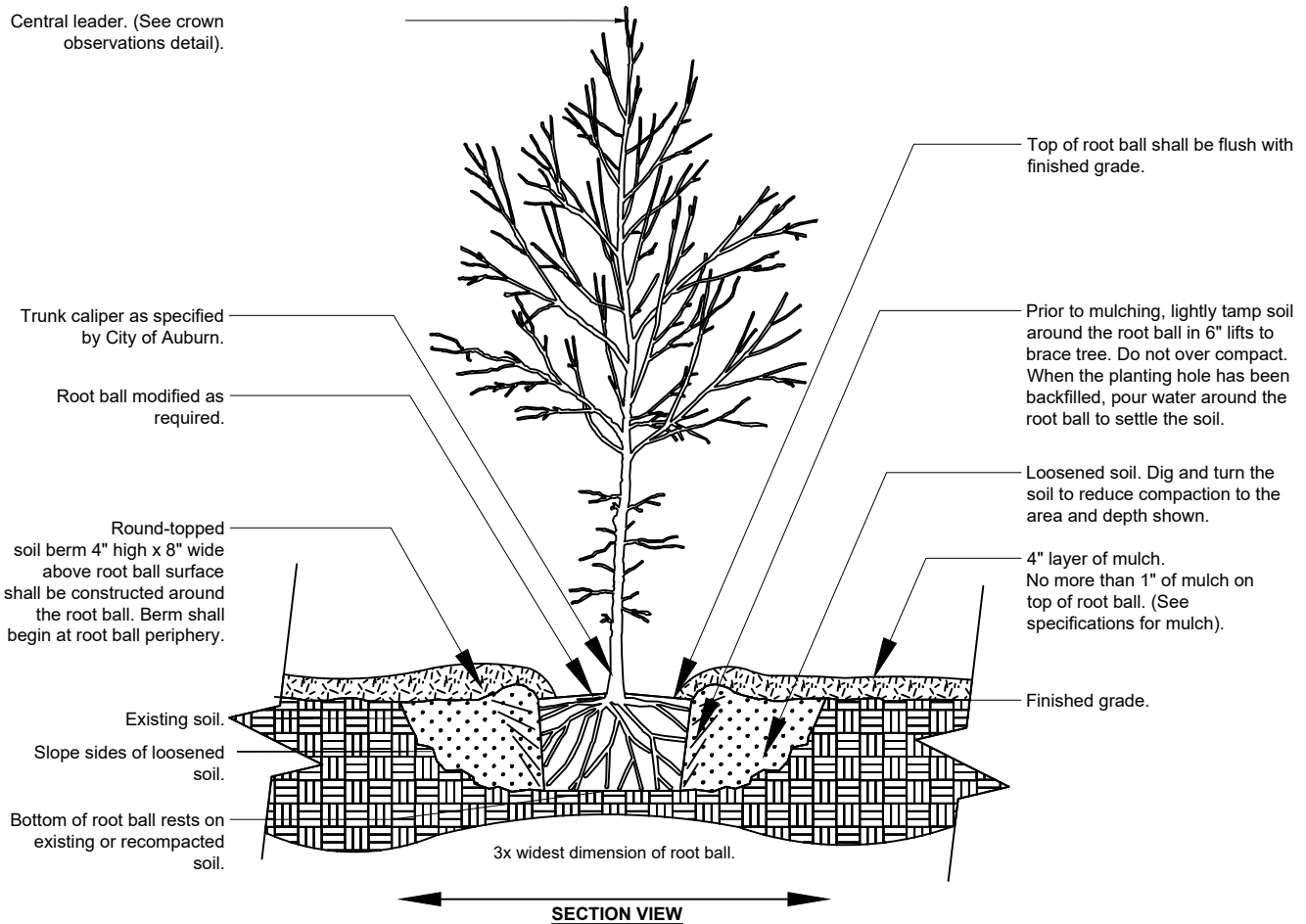
ROOT BALL CRITERIA - CONTAINERIZED

ADAPTED FOR USE FROM:
URBAN TREE FOUNDATION © 2014

STANDARD DETAILS: STREETS	5.29
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

City of Auburn

PLANTINGS



SECTION VIEW

TREE w/ BERM

Notes:

1- Trees shall be of quality prescribed in crown observations and root observations details and specifications.

2- See specifications for further requirements related to this detail.

STANDARD DETAILS: STREETS	5.30

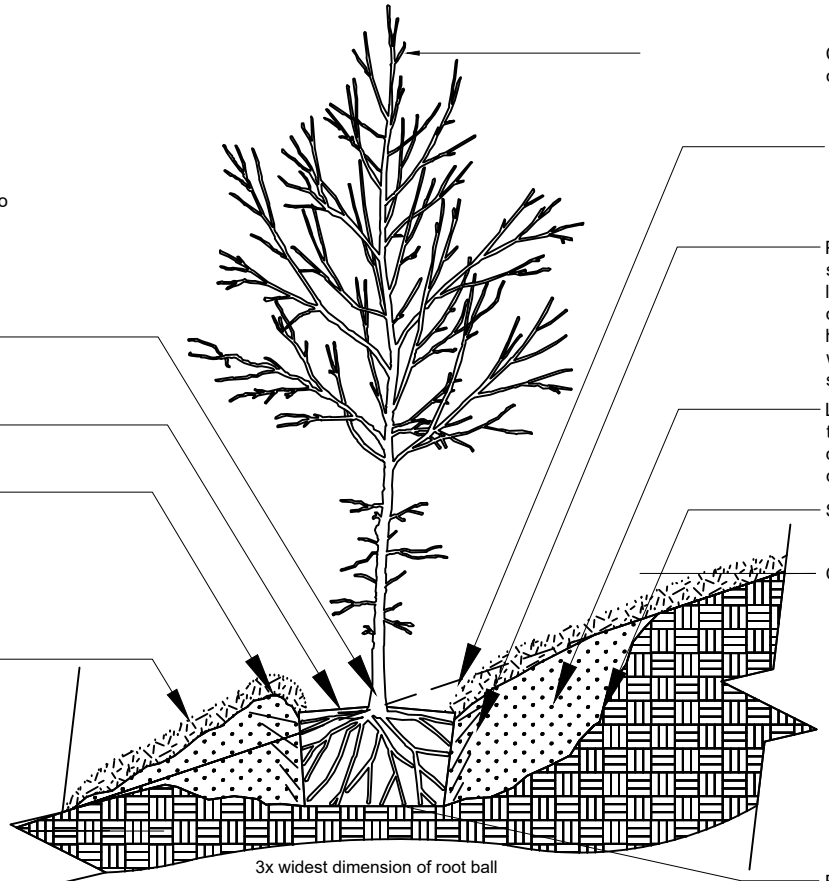
City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

PLANTINGS

Notes:
1- Trees shall be of quality prescribed in crown observations and root observations details and specifications.

2- See specifications for further requirements related to this detail.



SECTION VIEW

TREE ON SLOPE

ADAPTED FOR USE FROM:
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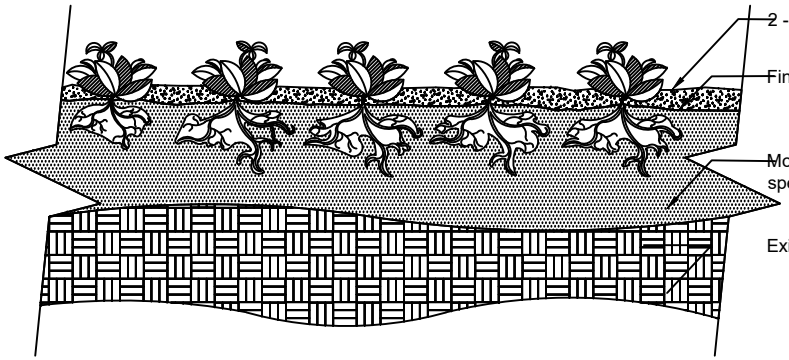
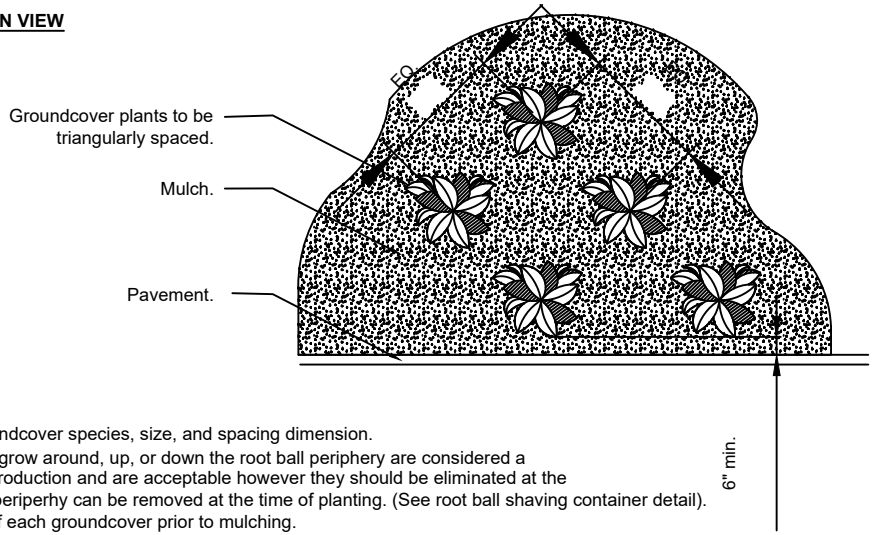
STANDARD DETAILS: STREETS	5.31
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

City of Auburn

PLANTINGS



SECTION VIEW



PLAN

Notes:
1- See planting legend for groundcover species, size, and spacing dimension.
2- Small roots (¼" or less) that grow around, up, or down the root ball periphery are considered a normal condition in container production and are acceptable however they should be eliminated at the time of planting. Roots on the periperhy can be removed at the time of planting. (See root ball shaving container detail).
3- Settle soil around root ball of each groundcover prior to mulching.

GROUNDCOVER

ADAPTED FOR USE FROM:
URBAN TREE FOUNDATION © 2014

STANDARD DETAILS: STREETS 5.32

City of Auburn

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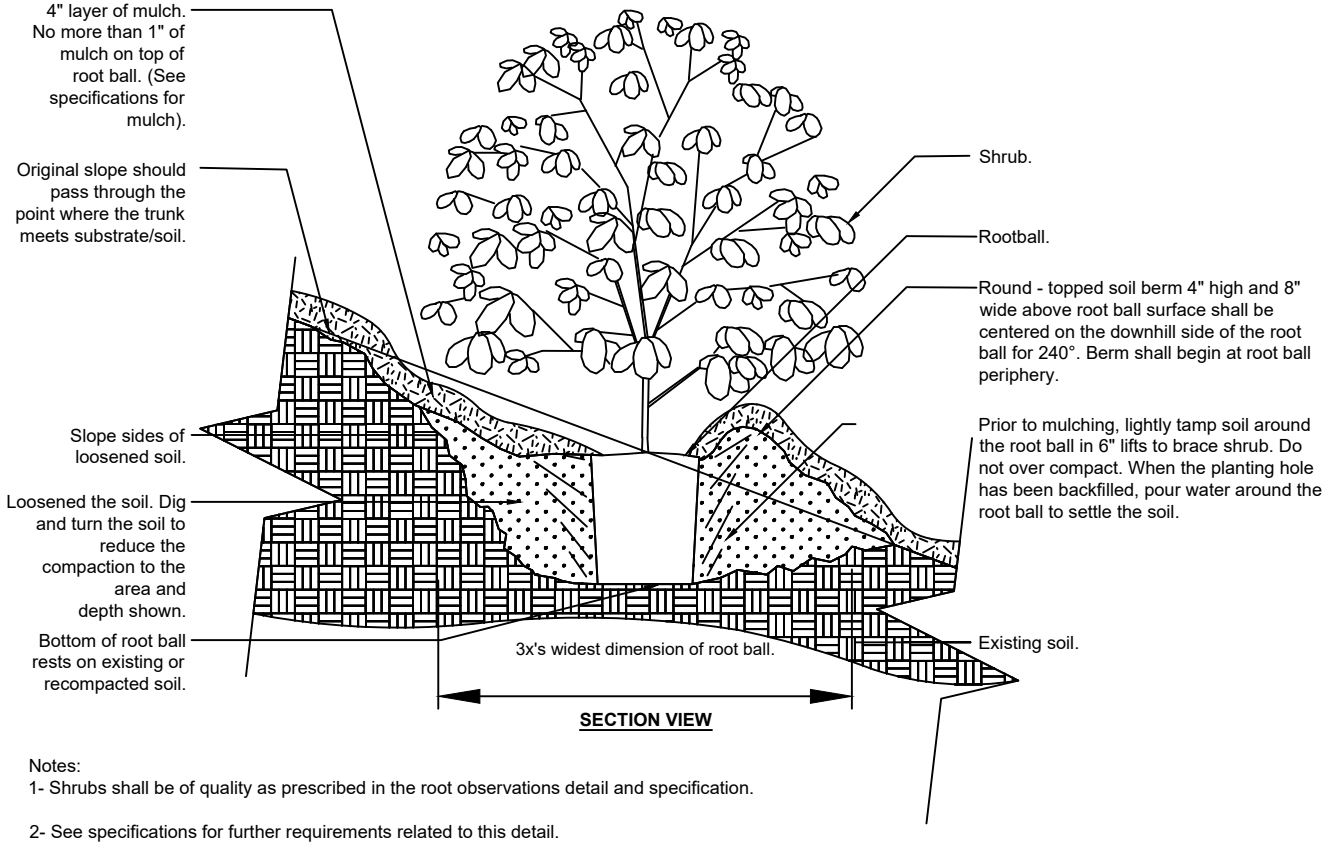
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

PLANTINGS



SECTION VIEW

Notes:
1- Shrubs shall be of quality as prescribed in the root observations detail and specification.

2- See specifications for further requirements related to this detail.

SHRUB PLANTING ON SLOPE

ADAPTED FOR USE FROM:
URBAN TREE FOUNDATION © 2014

STANDARD DETAILS: STREETS	5.33

City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
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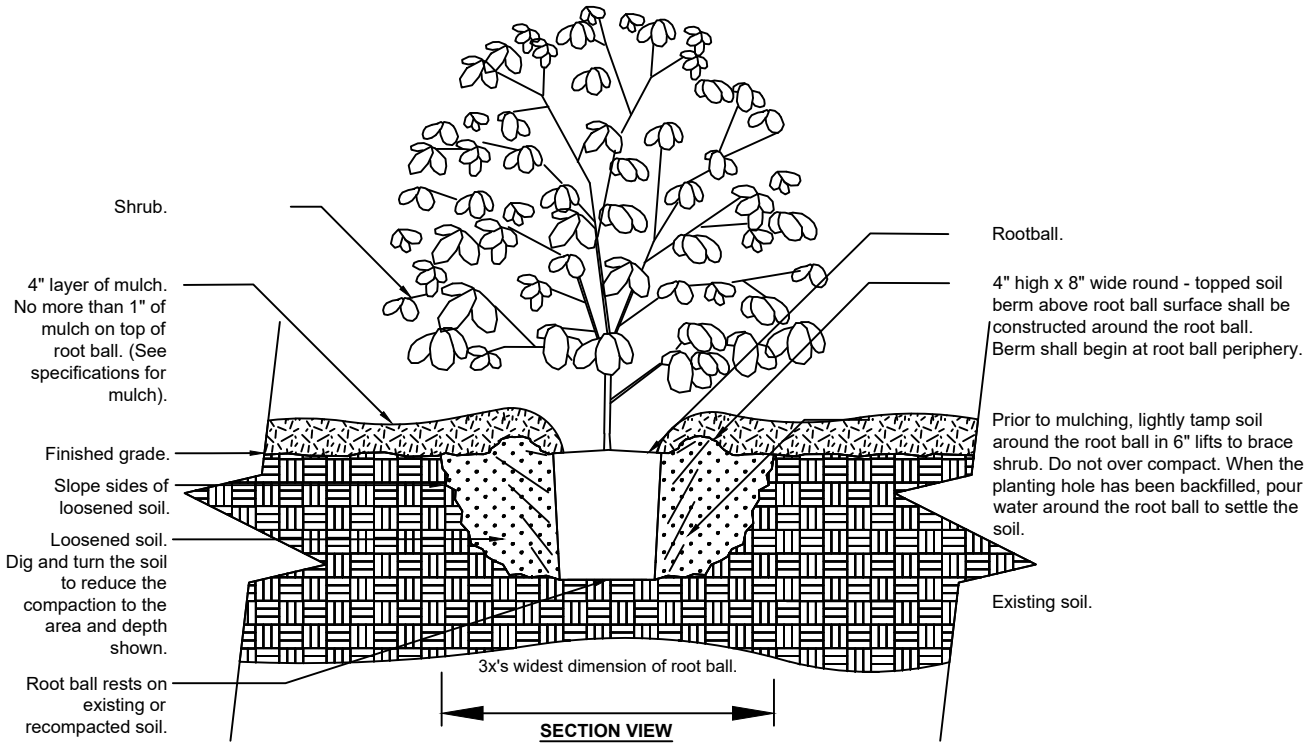
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

PLANTINGS



SECTION VIEW

Notes:
1- Shrubs shall be of quality prescribed in the root observations detail and specifications.

2- See specifications for further requirements related to this detail.

SHRUB PLANTING

ADAPTED FOR USE FROM:
URBAN TREE FOUNDATION © 2014

STANDARD DETAILS: STREETS	5.34

City of Auburn

DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

Planting Guidelines

- *If a contractor is performing tree planting, they shall notify the City of Auburn Urban Forestry Specialist 24 hours in advance of the planting of any tree within the City's Right of Way.*
- *All planting locations within the public right of way shall be checked for underground conflicts.*
- *Remove container or top third of burlap and all ropes, wires, etc. from root ball.*
- *Dig planting holes 2-3 times as wide as the container. The depth of the planting pit shall be equal to the size of the rootball. Place the tree in the planting pit so the trunk flare or the top of the root ball is at least one-half inch to 1 inch (1/2" to 1") above finish grade. In grass covered parkways the top of the rootball shall be higher than the surrounding soil by one-half inch to one inch (1/2" to 1").*
- *When obtaining a tree from a nursery, always carry the tree by its container or rootball, never by the trunk.*
- *After removing the tree from the container, cut circling roots and matted roots off the bottom. Check for any circling roots missed during initial inspection.*
- *Before placing the tree in the planting pit, examine the root ball for injured roots and the canopy for broken branches. Damaged roots shall be cleanly cut off at a point just in front of the break. Broken branches shall be cut out of the canopy making sure that the branch collar is not damaged.*
- *Backfill with soil removed from the planting hole, or as required for structural cells or structural soils. Only add fertilizer or compost if soil analysis indicates it is required. Build a temporary four to six inches (4" to 6") water retention berm around the root ball to allow for establishment watering. Immediately after planting the tree, water it thoroughly by filling the water retention basin twice.*
- *Eliminate all air pockets while backfilling the planting pit by watering the soil as it is put into the hole. Do not compact the backfill by tamping it down.*
- *All staking, wrapping, and other material should be removed from the tree trunk, root ball, and canopy at planting. No staking of trees shall be permitted unless approved by the City of Auburn Urban Forestry Specialist or a representative thereof. Approved staking must be removed after one year.*
- *Mulch with a two to four inch (2" to 4") layer to conserve soil moisture, provide protection from extreme temperatures and prevent damage from weed eaters. Mulch shall be kept three to four inches (3" to 4") away from the tree trunk and shall extend at minimum to the boundary of the water retention basin. It may extend further if desired.*
- *Install tree bags or donuts at planting to provide supplementary water during the first year. The soil around the new tree shall be kept moist, but not saturated, by watering at least once a week when adequate rainfall is not received.*
- *Substitution of plant species, sizes, or other specifications will not be allowed without prior approval of the City of Auburn Landscape and Sustainability Division Manager or a representative thereof.*

Soil Requirements

The following options are suitable for planting trees in the City of Auburn Right of Way. These specifications apply to normal conditions. Alterations for utility conflicts, slopes, or drainage may be approved by the Urban Forestry Specialist a representative thereof. For the purpose of this document, understory trees are defined as less than 30' mature height, midstory trees are defined as 30' - 50' mature height, and overstory trees are defined as 50' or greater mature height.

Planting type	Soil volume			Soil depth	Soil requirements
	Understory	**Midstory**	**Overstory**		
Buffer strip	400	800	1000	36" minimum	May use soil removed from the planting hole amended as necessary amended as necessary according to soil test
Structural cells	400	800	1000	No minimum 10" - 43" depth available depending on product	Native topsoil amended as necessary according to soil test
Structural soil	1600	3200	4000	36" Minimum	Non-proprietary or patented products may be used according to system specification

Soil testing requirements

All soils must be submitted for testing to determine texture and pH and results provided at Least four weeks prior to scheduled installation. Native topsoil must be classified as a sandy loam with a pH between 5 and 7. If tests fail to meet specifications, the Urban Forestry Specialist or representative thereof may require amendments before it is accepted. All soil testing will be at the expense of the contractor.

Structural cells

Structural cells may include Silva Cell by Deep Root Partners, StrattaCell by CityGreen, or approved equal. At least four weeks prior to installation, the contractor shall submit manufacturer's literature to the Urban Forestry Specialist. Installation of the structural cells shallfully comply with all requirements of the manufacturer and/or licensed supplier.

STANDARD DETAILS: STREETS	5.35
City of Auburn	
DEPARTMENT: ENGINEERING	REVISIONS:
SCALE: N.T.S.	03-01-2024
DRAWN BY: GINA McCRICKARD	
CITY ENGINEER: Alison Frazier	
APPVD. BY: Alison Frazier	
IMPLEMENTED: 01-01-2022	

APPENDIX P. Request for Installation of Traffic Signs

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Engineering Services Department
Traffic Engineering Division
161 North Ross Street
Auburn, AL 36830

REQUEST FOR INSTALLATION OF TRAFFIC SIGNS

Please complete the following information:

Development Name: _____

Contact: _____ Daytime Phone: _____

Address: _____

Email (optional): _____

Fill in number of signs requested:

☐ Stop Sign (A) ☐ Yield Sign (B) ☐ Speed Limit _____ mph (C1)

☐ Dead End (D) ☐ No Outlet (E) ☐ Speed Limit _____ mph (C2)

☐ Other (F): _____ ☐ Other (G): _____

Street Name Signs: ***Attach additional sheets if necessary.***

	North/South Street	East/West Street	
☐	_____	_____	(H1)
☐	_____	_____	(H2)
☐	_____	_____	(H3)
☐	_____	_____	(H4)
☐	_____	_____	(H5)
☐	_____	_____	(H6)

Provide a map with the approximate locations of requested signs, labeled as "A" for Stop Signs, "B" for Yield Signs, etc. The Traffic Engineering Division of the Engineering Services Department will perform any necessary data collection and analysis to assess the need for the installation of a requested traffic sign. All signs shall be installed in accordance with the Manual on Uniform Traffic Control Devices, latest edition.

Signature: _____ **Date:** _____

This section for official use only

Evaluation	**Determination**	**By/Date**
Planning Commission approved name		
Speed limits		
In accordance with MUTCD		
Cost Estimate		
Recommendation		

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APPENDIX P-1. Irrigation Policy

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City of Auburn

Irrigation Policy

Effective January 1, 2013

Purpose: The purpose of this policy is to protect the use of public rights of way for their intended purposes and to repair and replace utilities located in public right of way at the lowest cost to the City of Auburn.

Background: The City of Auburn allows encroachments upon public right of way provided that such uses have been permitted and do not diminish the City's rights to use the public right of way for maintenance, repair, or expansion of infrastructure. Often private property owners install, construct, or cause to be constructed irrigation systems and landscaping within the right of way that can be affected by expanding the infrastructure. All of these actions have increased the costs to the City when performing maintenance, repair, or expansion of the infrastructure.

Policy:

1. To reduce the costs to City projects, the City shall not restore nor pay any restoration or replacement costs for any encroachment on public right of way, except as outlined in below.
2. Any work within existing street right of way will require an encroachment agreement and/or hold harmless agreement.
3. All trees planted within right of way, 10 feet from any paved surface, will include City approved root barriers.
4. It is understood that irrigation systems placed on City of Auburn right of way are placed there at the risk of the property owner and may be removed with notice to the owners without compensation or replacement.

In the case where the City allows irrigation within the City of Auburn right of way, the following shall apply:

1. A permit is required to be obtained from the Inspection Services Department.
2. The system should be installed per the standard details outlined in the Engineering Design and Construction Manual.
3. No major irrigation equipment, such as backflow, controller, remote control valves or mainlines shall be located within the right of way. Lateral line, emitter and distribution tubing may be located within the right of way, but should be as close to the property line as possible.

4. Heads and pipe type shall be of a common type such that replacement is easily accommodated.
5. A hold harmless/indemnity agreement, and certification that if the city needs the right of way to expand infrastructure, the irrigation system and appurtenances will be removed as part of the construction. The homeowner understands that the City or its assigns has the right to remove the obstruction to accommodate the infrastructure expansion. The City will not replace irrigation or landscaping that had been placed on the right of way without prior approval by the Engineering Services Department.

Please contact the Engineering Services Department at (334) 501-7390 or www.auburnalabama.org/engineering-services/ for questions concerning this policy.

APPENDIX P-2. Decorative Street Signs Policy

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City of Auburn

Decorative Street Signs Policy

(This policy is to be used in conjunction with the Engineering Design and Construction Manual Section 5.7 Signing and Permanent Markings)

Purpose

This policy document sets out formal policy and guidelines for developers and homeowners associations on the requirements for maintenance of decorative street name signs.

Background

The Traffic Engineering Division of the Engineering Services Department receives many requests each year to provide street name signs and regulatory signs within the City. The City of Auburn standard street name sign is reflective navy blue background with reflective white lettering. A one time charge of $125.00 per intersection is billed to the developer upon installation of City standard street name signs. Many developers request the use of decorative signs and posts that are unique to their subdivision.

Policy

The City of Auburn will not be responsible for replacement of decorative signs and posts. If a decorative sign or post is damaged it is the responsibility of the developer or homeowners association to replace and/or repair the sign within 7 days of being notified by the Engineering Services Department Administration Division of the deficiency by mail and/or email. If requested by the developer or homeowners association, the City of Auburn will install a temporary replacement sign until a new sign can be obtained. Upon installation of the new decorative sign, the temporary signs and posts should be returned to the City of Auburn. If the sign is not returned, the developer or homeowners association will be charged $125.00 for the temporary sign.

If the sign has not been repaired or replaced within 7 days and a temporary sign not requested, the Administrative Division will advise the Sign Technician to install a standard COA sign. The Sign Technician will follow up one month after installation of a temporary sign to see if the developer or homeowners association has taken any action. If the temporary sign has been replaced with a decorative sign and the temporary sign has not been returned to the City, the homeowners association will be charged for the temporary sign.

Note: Stop signs will require a COA sign be installed immediately for the safety of the public.

Contact the City of Auburn's Traffic Engineering Division at (334) 501-7390 or email us at webengineering@auburnalabama.org for questions concerning this policy.

APPENDIX P-3. Downtown Sidewalks and Pedestrian Lighting Map

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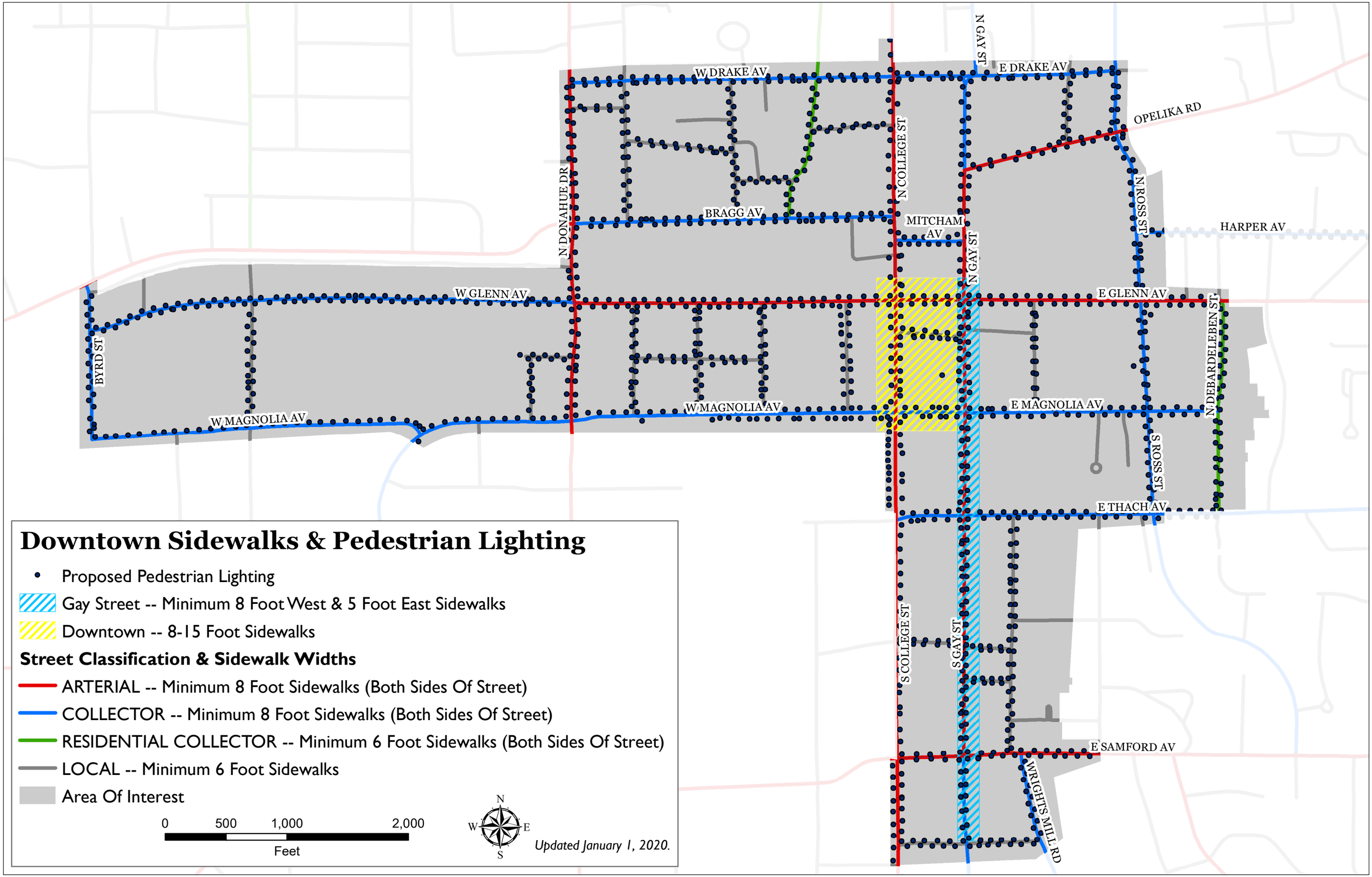

Downtown Sidewalks & Pedestrian Lighting

- Proposed Pedestrian Lighting
- Gay Street -- Minimum 8 Foot West & 5 Foot East Sidewalks
- Downtown -- 8-15 Foot Sidewalks

Street Classification & Sidewalk Widths

- ARTERIAL -- Minimum 8 Foot Sidewalks (Both Sides Of Street)
- COLLECTOR -- Minimum 8 Foot Sidewalks (Both Sides Of Street)
- RESIDENTIAL COLLECTOR -- Minimum 6 Foot Sidewalks (Both Sides Of Street)
- LOCAL -- Minimum 6 Foot Sidewalks
- Area Of Interest

0 500 1,000 2,000

Feet

N W E S

Updated January 1, 2020.

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APPENDIX P-4. Decorative Pedestrian Lighting Master Plan

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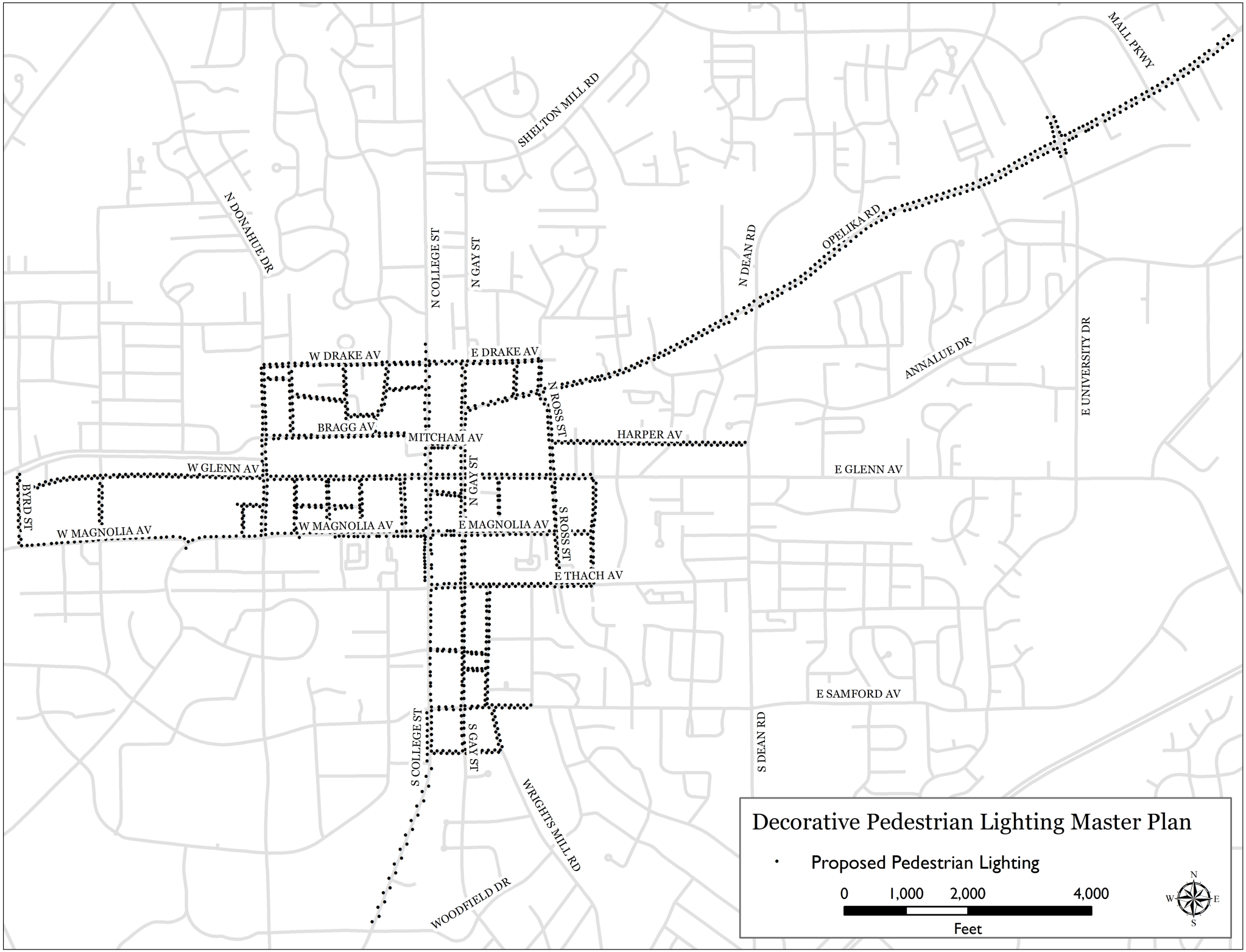
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N DONAHUE DR
N COLLEGE ST
N GAY ST
N DEAN RD
OPELIKA RD
ANNALUE DR
E UNIVERSITY DR
W DRAKE AV
E DRAKE AV
N ROSS ST
BRAGG AV
MITCHAM AV
HARPER AV
W GLENN AV
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BYRD ST
W MAGNOLIA AV
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S ROSS ST
E THACH AV
E SAMFORD AV
S COLLEGE ST
S GAY ST
S DEAN RD
WRIGHTS MILL RD
WOODFIELD DR
Decorative Pedestrian Lighting Master Plan
Proposed Pedestrian Lighting
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