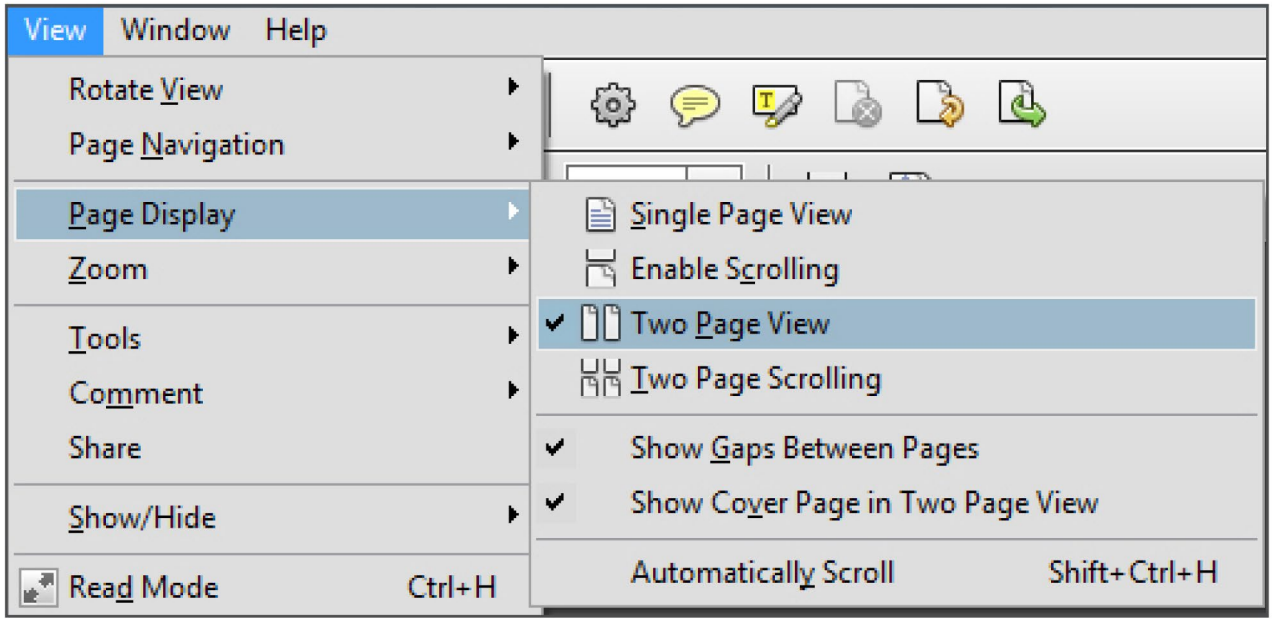
Appendix Section 1.0 Standard Drawings

NOTE: Many of the drawings in this section cover two pages. Each drawing's end is marked by the Gwinnett County Board of Commissioner's seal as shown below.

If you are not currently viewing this section in two page view, please change your Page Display in your PDF reader to Two Page View as shown below. Be sure to also check *Show Cover Page in Two Page View*.



These standard drawings illustrate minimum acceptable standards for land development activities authorized under the development regulations of Gwinnett County, Georgia, however, these standards shall not supersede more restrictive prudent design requirements or good engineering practice as applied to specific situations on a case-by-case basis. Unless otherwise specified on these standard drawings or in the development regulations, all construction must meet or exceed the minimum standards established by the Georgia Department of Transportation.

Series

100: Site Grading

200: Storm Water Detention and Erosion Control

300: Streets — Designs

400: Streets — Construction

500: Streets — Utilities

600: Reserved*[1]

700: Reserved*

800: Landscaping and Tree Protection

900: Miscellaneous

Effective January 5, 1988

[1]*Ord. No. UDOA2019-00005(GCID2019-0295) , Exh. A, adopted March 19, 2019, deleted Series 600: Drainage Structures and Series 700: Drainage Pipes and Ditches, in Appendix Section 2.0 Standard Drawings.

STANDARD DRAWINGS

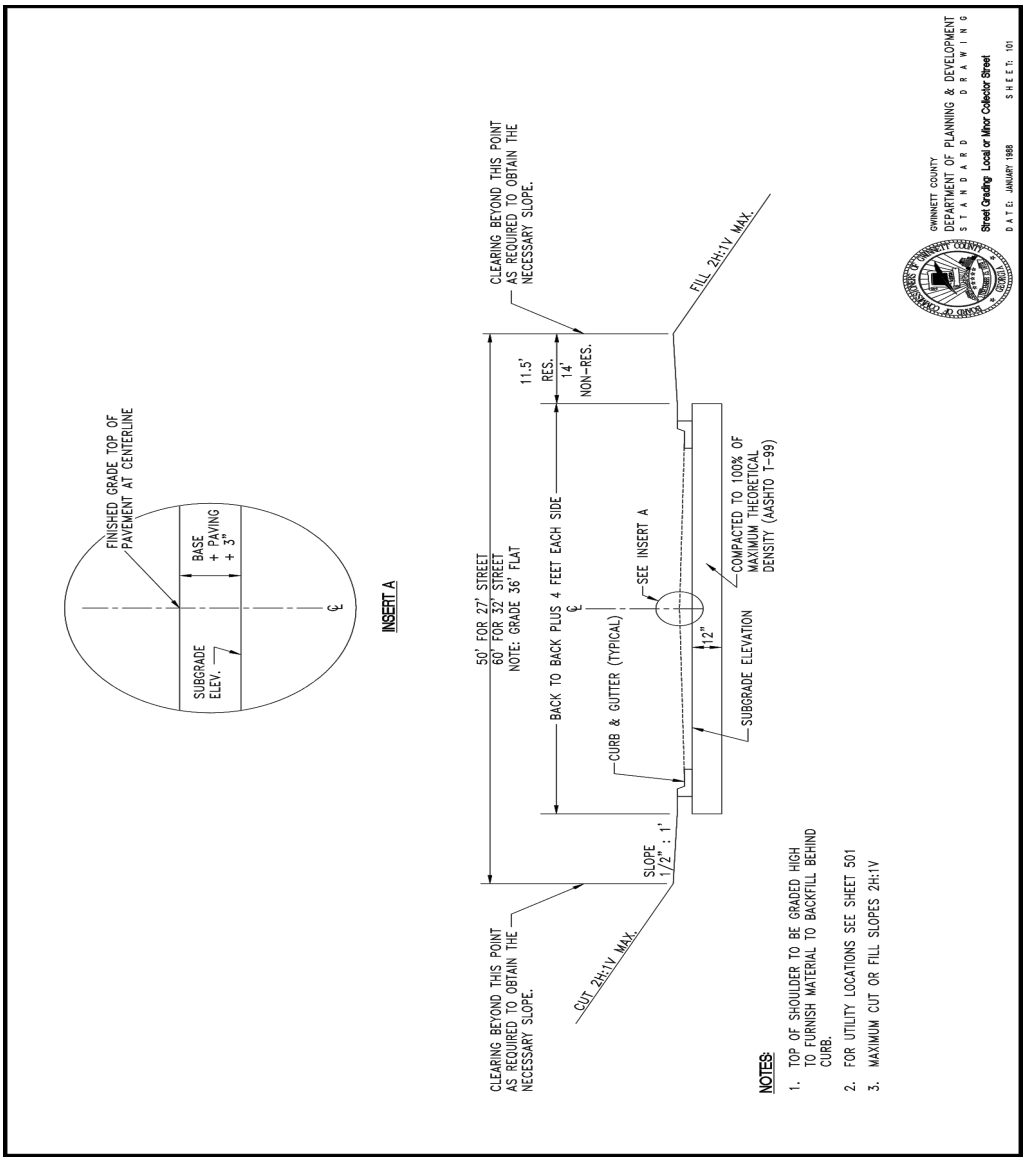
GWINNETT COUNTY

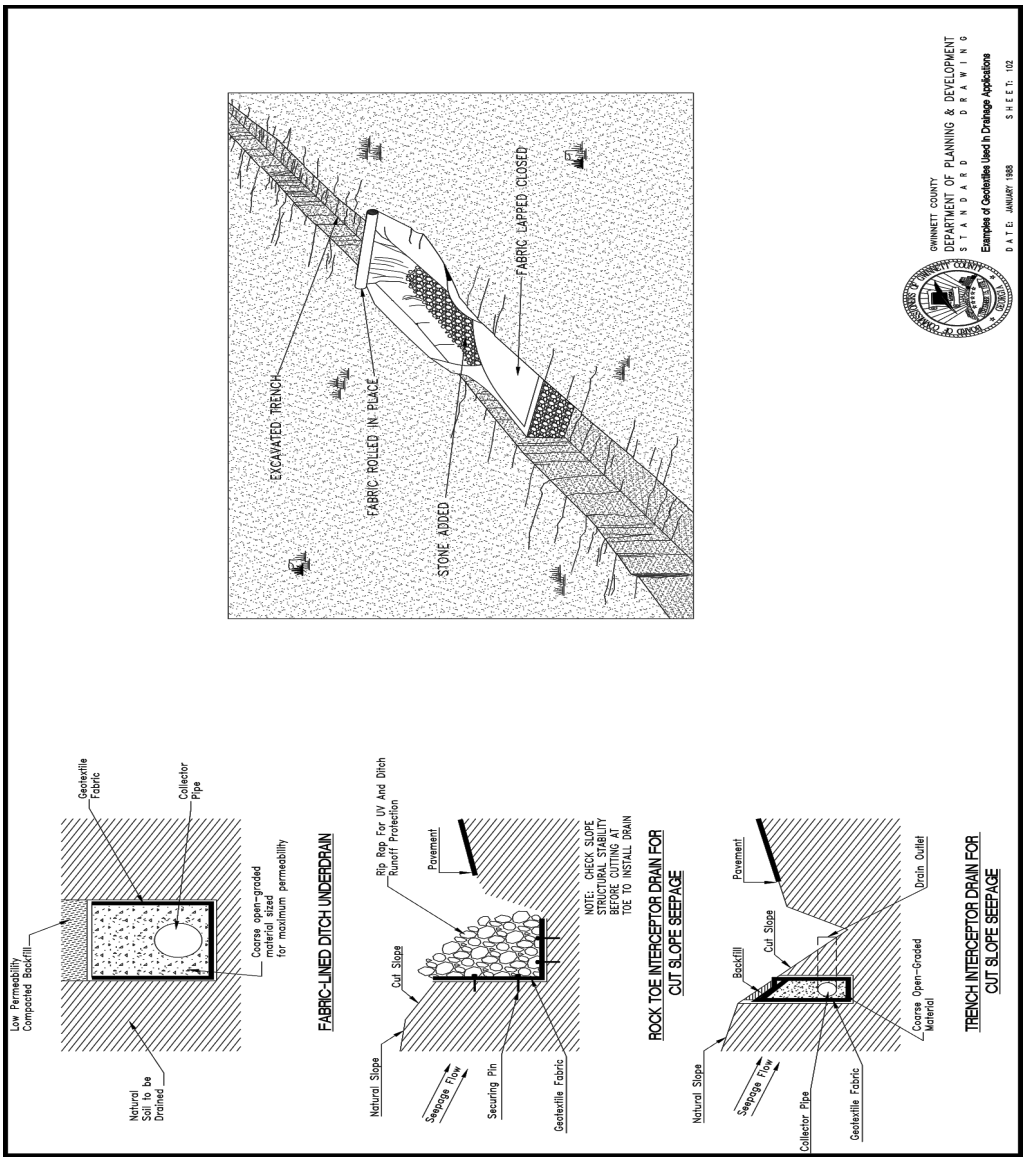
DEPARTMENT OF PLANNING AND DEVELOPMENT

THESE STANDARD DRAWINGS ILLUSTRATE MINIMUM ACCEPTABLE STANDARDS FOR LAND DEVELOPMENT ACTIVITIES AUTHORIZED UNDER THE DEVELOPMENT REGULATIONS OF GWINNETT COUNTY, GEORGIA. HOWEVER, THESE STANDARDS SHALL NOT SUPERSEDE MORE RESTRICTIVE PRUDENT DESIGN REQUIREMENTS OR GOOD ENGINEERING PRACTICE AS APPLIED TO SPECIFIC SITUATIONS ON A CASE-BY-CASE BASIS. UNLESS OTHERWISE SPECIFIED ON THESE STANDARD DRAWINGS OR IN THE DEVELOPMENT REGULATIONS, ALL CONSTRUCTION SHALL MEET OR EXCEED THE MINIMUM STANDARDS ESTABLISHED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION.

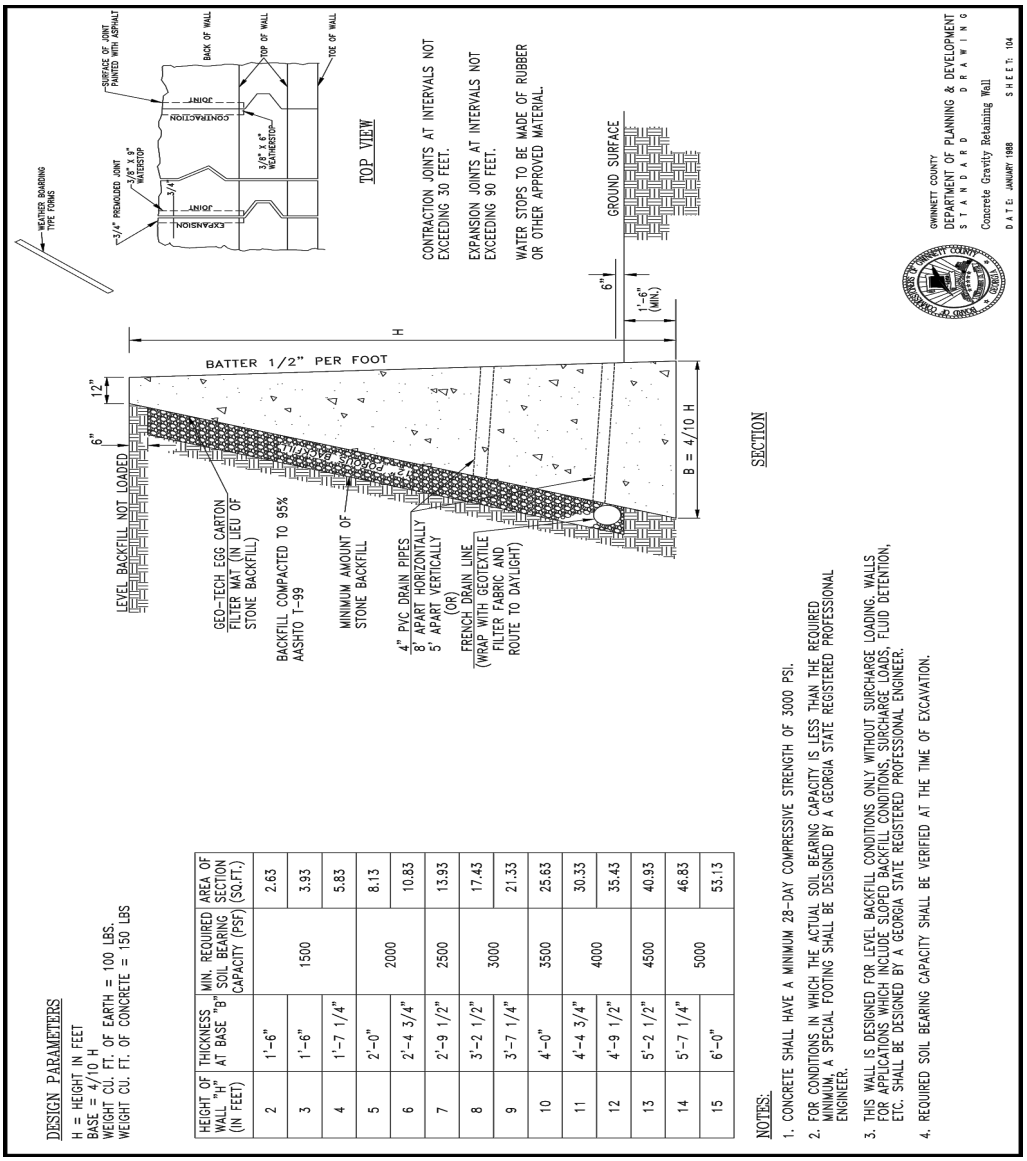
EFFECTIVE JANUARY 5, 1988

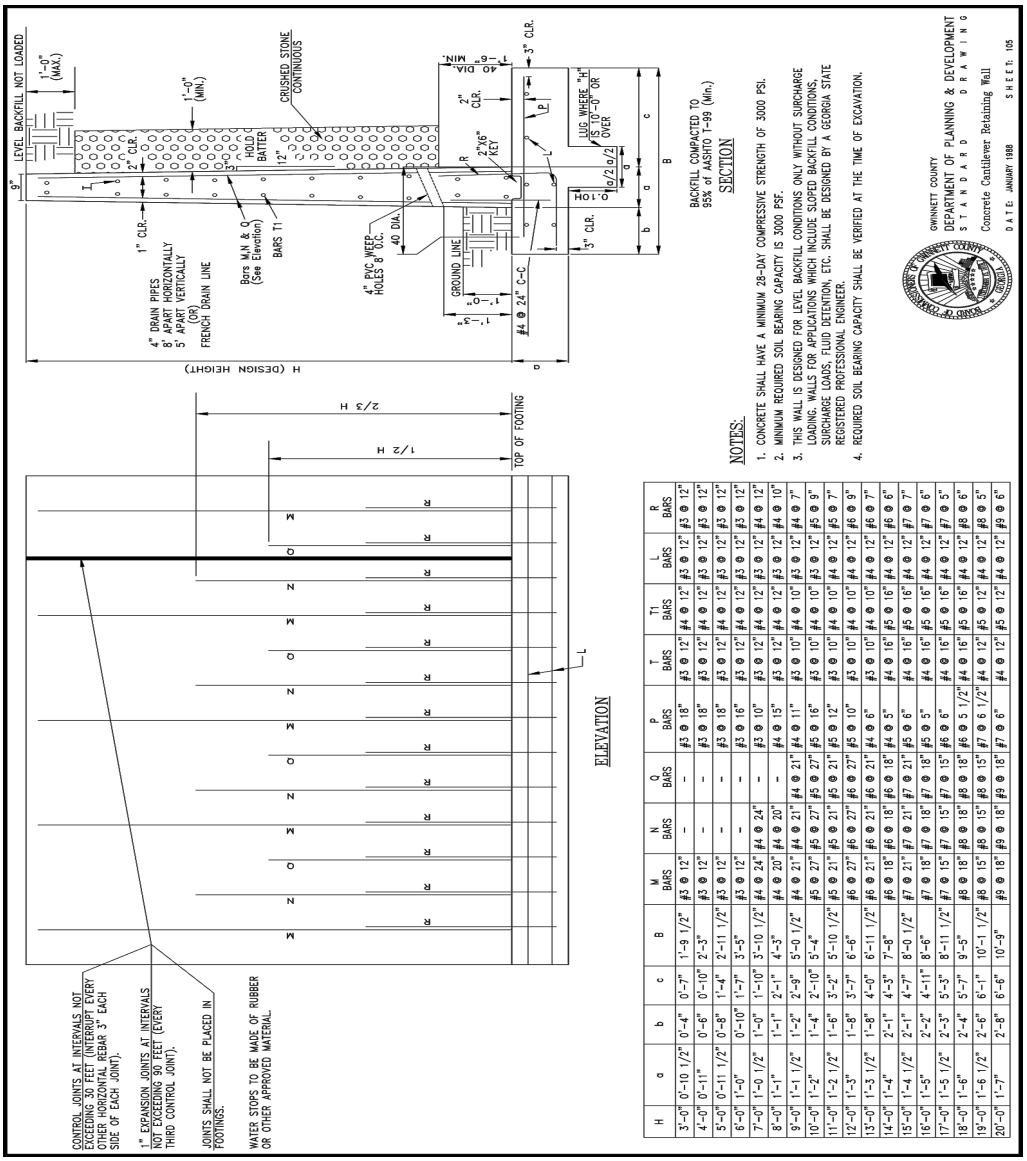
SERIES	
100	SITE GRADING
200	STORM WATER DETENTION AND EROSION CONTROL
300	STREETS - DESIGN
400	STREETS - CONSTRUCTION
500	STREETS - UTILITIES
600	RESERVED
700	RESERVED
800	LANDSCAPING AND TREE PROTECTION
900	MISCELLANEOUS


FINISHED GRADE TOP OF PAVEMENT AT CENTERLINE
BASE + PAVING + 3"
SUBGRADE ELEV.
℄
INSERT A
50' FOR 27' STREET
60' FOR 32' STREET
NOTE: GRADE 36' FLAT
BACK TO BACK PLUS 4 FEET EACH SIDE
CURB & GUTTER (TYPICAL)
SEE INSERT A
SLOPE 1/2" : 1'
CUT 2H:1V MAX.
CLEARING BEYOND THIS POINT AS REQUIRED TO OBTAIN THE NECESSARY SLOPE.
11.5' RES. 14' NON-RES.
CLEARING BEYOND THIS POINT AS REQUIRED TO OBTAIN THE NECESSARY SLOPE.
FILL 2H:1V MAX.
12"
SUBGRADE ELEVATION
COMPACTED TO 100% OF MAXIMUM THEORETICAL DENSITY (AASHTO T-99)
NOTES:
1. TOP OF SHOULDER TO BE GRADED HIGH TO FURNISH MATERIAL TO BACKFILL BEHIND CURB.
2. FOR UTILITY LOCATIONS SEE SHEET 501
3. MAXIMUM CUT OR FILL SLOPES 2H:1V
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Street Grading: Local or Minor Collector Street
DATE: JANUARY 1998
SHEET: 101

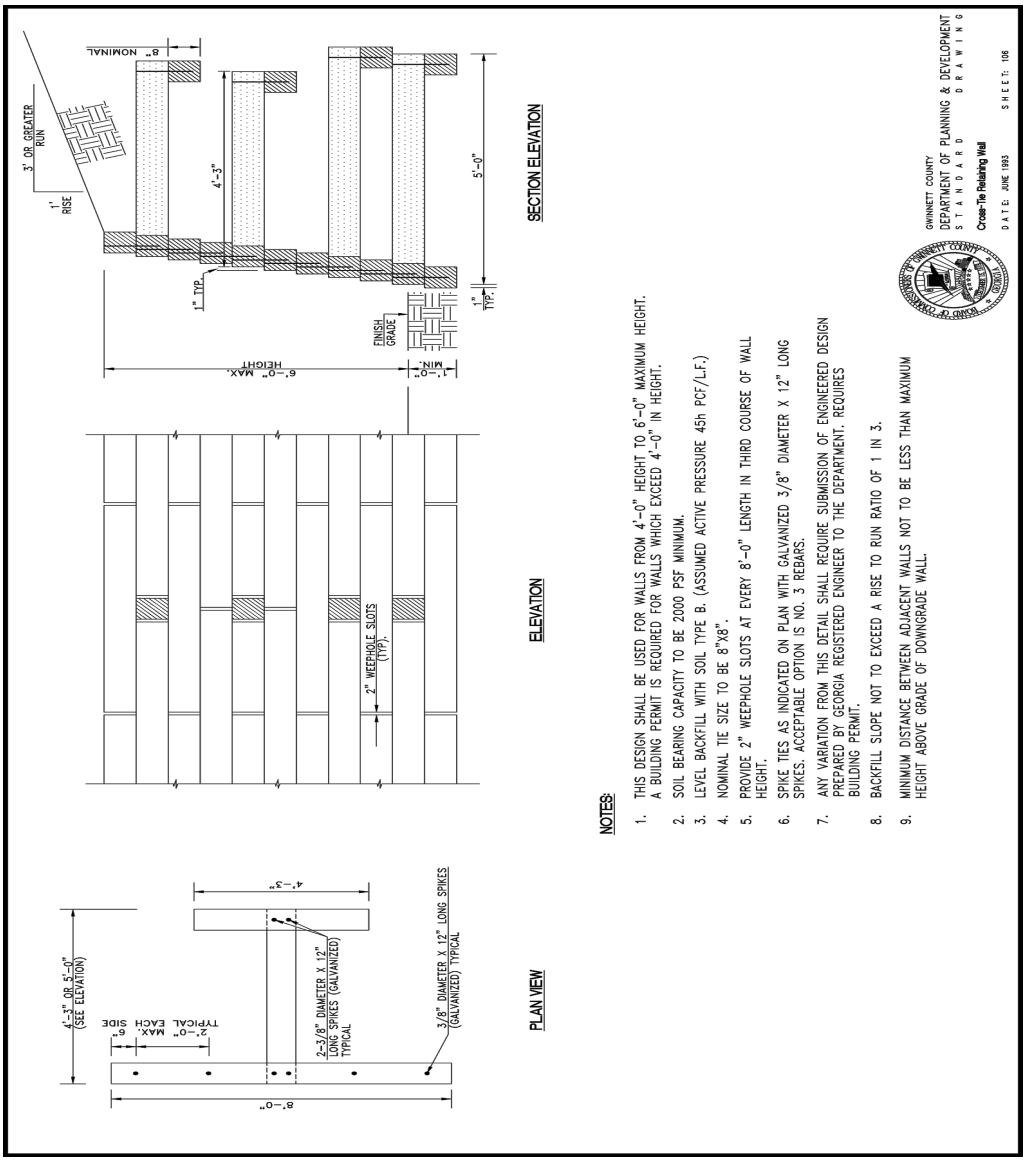

EXCAVATED TRENCH
FABRIC ROLLED IN PLACE
STONE ADDED
FABRIC LAPPED CLOSED
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Examples of Geotextiles Used in Drainage Applications
DATE: JANUARY 1988
SHEET: 102
Geotextile Fabric
Collector Pipe
Low Permeability Compacted Backfill
Coarse open-graded material sized for maximum permeability
Natural Soil to be Drained
FABRIC-LINED DITCH UNDERDRAIN
Rip Rap For UV And Ditch Runoff Protection
Pavement
Cut Slope
Natural Slope
Seepage Flow
Securing Pin
Geotextile Fabric
NOTE: CHECK SLOPE STRUCTURAL STABILITY BEFORE CUTTING AT TOE TO INSTALL DRAIN
ROCK TOE INTERCEPTOR DRAIN FOR CUT SLOPE SEEPAGE
Pavement
Backfill
Cut Slope
Drain Outlet
Natural Slope
Seepage Flow
Collector Pipe
Geotextile Fabric
Coarse Open-Graded Material
TRENCH INTERCEPTOR DRAIN FOR CUT SLOPE SEEPAGE

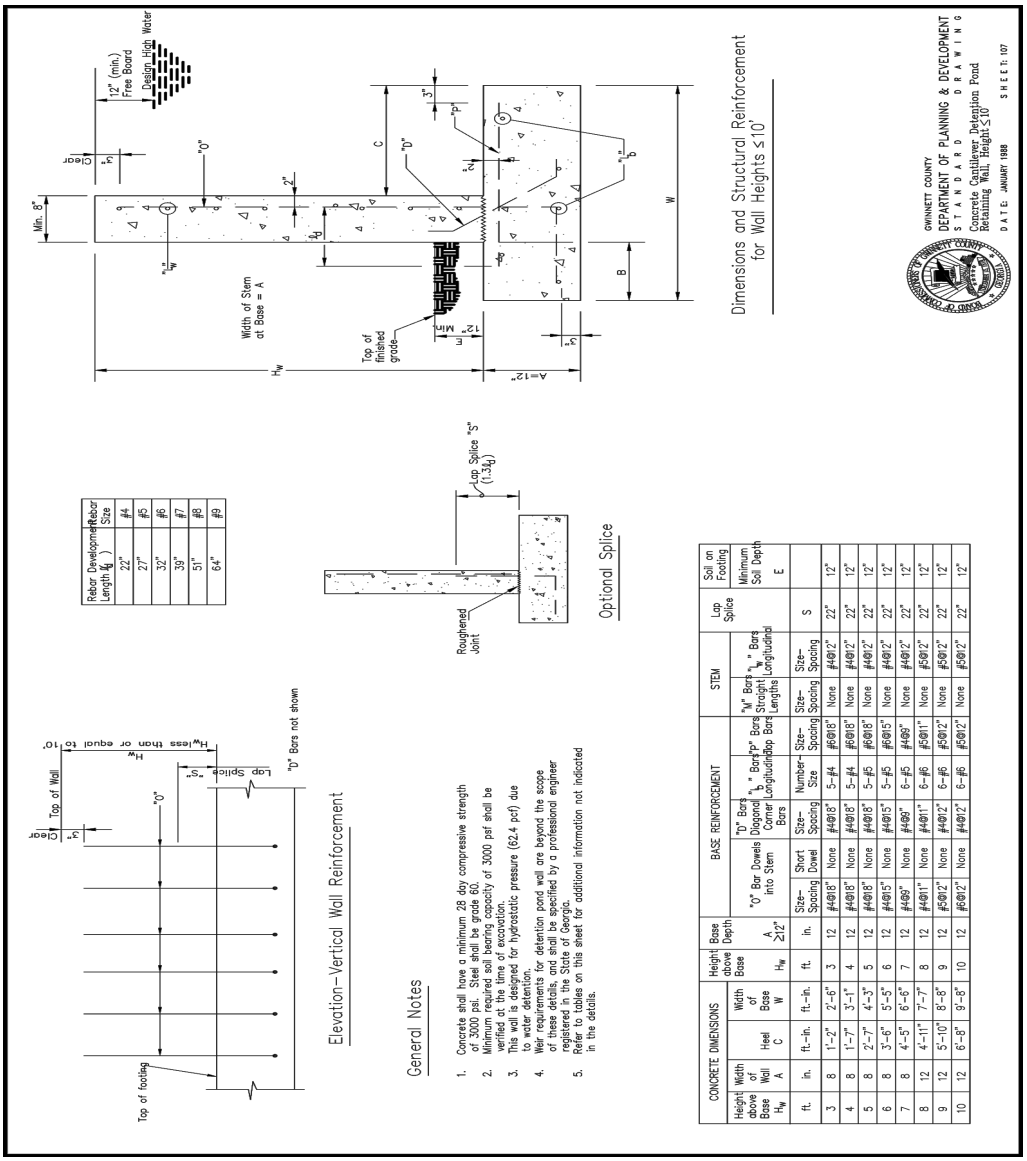
HEIGHT OF WALL "H" IN FT.	THICKNESS AT BASE B = 0.4H	MIN. REQUIRED SOIL BEARING CAPACITY (PSF)	AREA OF WALL (SQ.FT.)	AREA OF FOOTING (SQ.FT.)
2	1'-6"	1500	0.75	2.875
3	1'-6"		2.25	2.875
4	1'-7 1/4"		3.828	2.997
5	2'-0"	2000	5.862	3.513
6	2'-4 3/4"		8.212	4.113
7	2'-9 1/2"	2500	12.060	4.615
8	3'-2 1/2"	3000	14.240	5.186
9	3'-7 1/4"		17.813	5.762
10	4'-0"	3500	21.781	6.344
11	4'-4 3/4"	4000	26.148	6.927
12	4'-9 1/2"		30.909	7.516
13	5'-2 1/2"	4500	36.070	8.105
14	5'-7 1/4"	5000	41.629	8.696
15	6'-0"		47.587	9.288


DESIGN PARAMETERS
H = HEIGHT IN FEET
BASE = 4/10 H
WEIGHT CU. FT. OF EARTH = 100 LBS.
WEIGHT CU. FT. OF CONCRETE = 150 LBS
HEIGHT OF WALL "H" (IN FEET) | THICKNESS "B" AT BASE | MIN. REQUIRED SOIL BEARING CAPACITY (PSF) | AREA OF SECTION (SQ.FT.)
2 | 1'-6" | 1500 | 2.63
3 | 1'-6" | | 3.93
4 | 1'-7 1/4" | | 5.83
5 | 2'-0" | 2000 | 8.13
6 | 2'-4 3/4" | | 10.83
7 | 2'-9 1/2" | 2500 | 13.93
8 | 3'-2 1/2" | 3000 | 17.43
9 | 3'-7 1/4" | | 21.33
10 | 4'-0" | 3500 | 25.63
11 | 4'-4 3/4" | 4000 | 30.33
12 | 4'-9 1/2" | | 35.43
13 | 5'-2 1/2" | 4500 | 40.93
14 | 5'-7 1/4" | 5000 | 46.83
15 | 6'-0" | | 53.13
NOTES:
1. CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI.
2. FOR CONDITIONS IN WHICH THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN THE REQUIRED MINIMUM, A SPECIAL FOOTING SHALL BE DESIGNED BY A GEORGIA STATE REGISTERED PROFESSIONAL ENGINEER.
3. THIS WALL IS DESIGNED FOR LEVEL BACKFILL CONDITIONS ONLY WITHOUT SURCHARGE LOADING. WALLS FOR APPLICATIONS WHICH INCLUDE SLOPED BACKFILL CONDITIONS, SURCHARGE LOADS, FLUID DETENTION, ETC. SHALL BE DESIGNED BY A GEORGIA STATE REGISTERED PROFESSIONAL ENGINEER.
4. REQUIRED SOIL BEARING CAPACITY SHALL BE VERIFIED AT THE TIME OF EXCAVATION.
SECTION
WEATHER BOARDING TYPE FORMS
~3/4" PREMOLDED JOINT 3/8" X 6" WATERSTOP
EXPANSION JOINT
CONTRACTION JOINT
3/4"
3/8" X 6" WEATHERSTOP
SURFACE OF JOINT PAINTED WITH ASPHALT
BACK OF WALL
TOP OF WALL
TOE OF WALL
TOP VIEW
CONTRACTION JOINTS AT INTERVALS NOT EXCEEDING 30 FEET.
EXPANSION JOINTS AT INTERVALS NOT EXCEEDING 90 FEET.
WATER STOPS TO BE MADE OF RUBBER OR OTHER APPROVED MATERIAL.
12"
6"
BATTER 1/2" PER FOOT
H
6"
1'-6" (MIN.)
GROUND SURFACE
B = 4/10 H
LEVEL BACKFILL NOT LOADED
GEO-TECH EGG CARTON FILTER MAT (IN LIEU OF STONE BACKFILL)
BACKFILL COMPACTED TO 95% AASHTO T-99
MINIMUM AMOUNT OF STONE BACKFILL
4" PVC DRAIN PIPES 8' APART HORIZONTALLY 5' APART VERTICALLY (OR) FRENCH DRAIN LINE (WRAP WITH GEOTEXTILE FILTER FABRIC AND ROUTE TO DAYLIGHT)
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Concrete Gravity Retaining Wall
DATE: JANUARY 1988
SHEET: 104



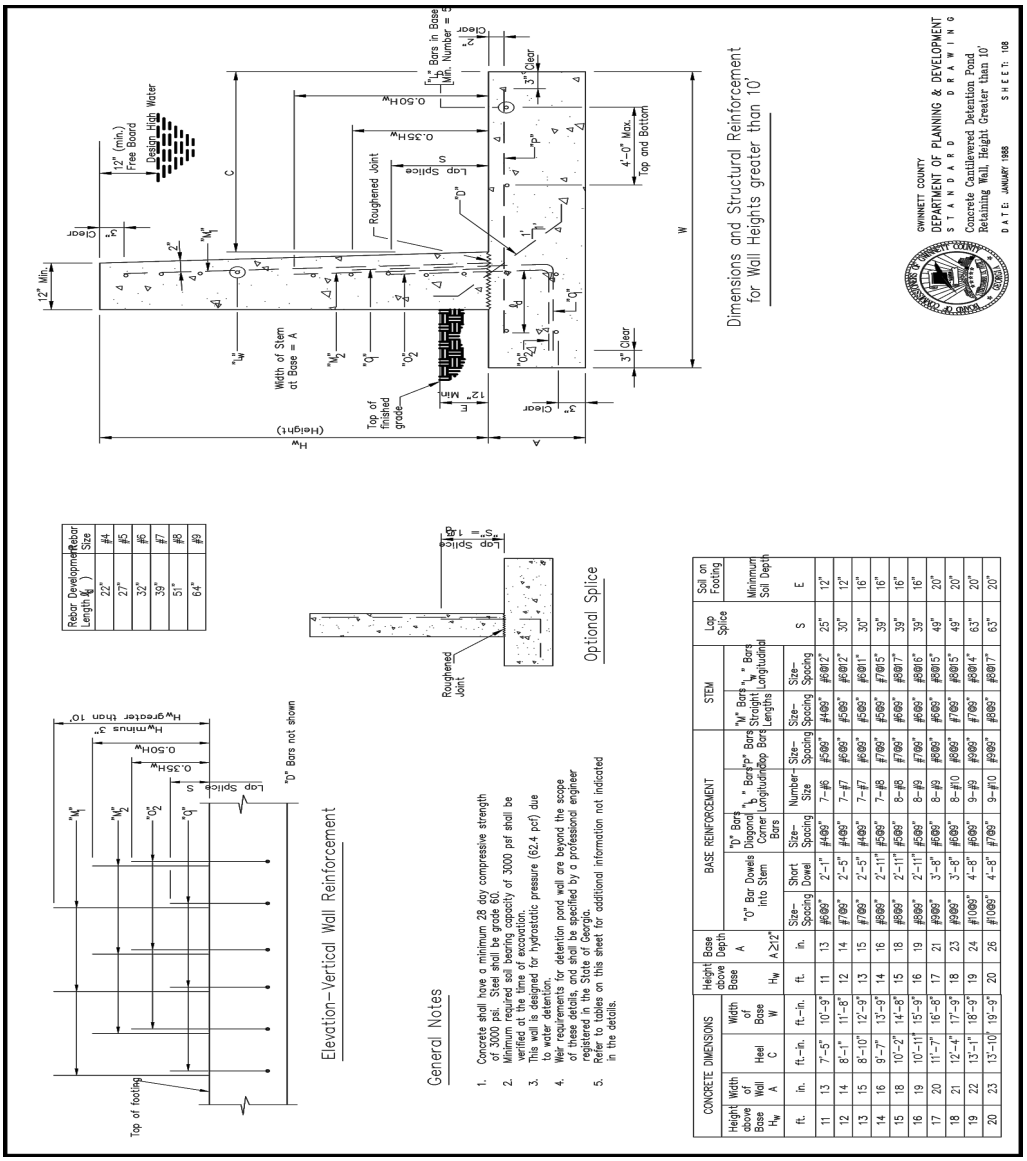
H	a	b	c	B	M BARS	N BARS	Q BARS	P BARS	T BARS	T1 BARS	L BARS	R BARS
3'-0"	0'-10 1/2"	0'-4"	0'-7"	1'-9 1/2"	#3 @ 12"	–	–	#3 @ 18"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#3 @ 12"
4'-0"	0'-11"	0'-6"	0'-10"	2'-3"	#3 @ 12"	–	–	#3 @ 18"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#3 @ 12"
5'-0"	0'-11 1/2"	0'-8"	1'-4"	2'-11 1/2"	#3 @ 12"	–	–	#3 @ 18"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#3 @ 12"
6'-0"	1'-0"	0'-10"	1'-7"	3'-5"	#3 @ 12"	–	–	#3 @ 16"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#3 @ 12"
7'-0"	1'-0 1/2"	1'-0"	1'-10"	3'-10 1/2"	#4 @ 24"	#4 @ 24"	–	#3 @ 10"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#4 @ 12"
8'-0"	1'-1"	1'-1"	2'-1"	4'-3"	#4 @ 20"	#4 @ 20"	–	#4 @ 15"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#4 @ 10"
9'-0"	1'-1 1/2"	1'-2"	2'-9"	5'-0 1/2"	#4 @ 21"	#4 @ 21"	#4 @ 21"	#4 @ 11"	#3 @ 10"	#4 @ 10"	#3 @ 12"	#4 @ 7"
10'-0"	1'-2"	1'-4"	2'-10"	5'-4"	#5 @ 27"	#5 @ 27"	#5 @ 27"	#5 @ 16"	#3 @ 10"	#4 @ 10"	#3 @ 12"	#5 @ 9"
11'-0"	1'-2 1/2"	1'-6"	3'-2"	5'-10 1/2"	#5 @ 21"	#5 @ 21"	#5 @ 21"	#5 @ 12"	#3 @ 10"	#4 @ 10"	#4 @ 12"	#5 @ 7"
12'-0"	1'-3"	1'-8"	3'-7"	6'-6"	#6 @ 27"	#6 @ 27"	#6 @ 27"	#5 @ 10"	#3 @ 10"	#4 @ 10"	#4 @ 12"	#6 @ 9"
13'-0"	1'-3 1/2"	1'-8"	4'-0"	6'-11 1/2"	#6 @ 21"	#6 @ 21"	#6 @ 21"	#4 @ 6"	#3 @ 10"	#4 @ 10"	#4 @ 12"	#6 @ 7"
14'-0"	1'-4"	2'-1"	4'-3"	7'-8"	#6 @ 18"	#6 @ 18"	#6 @ 18"	#4 @ 5"	#4 @ 16"	#5 @ 16"	#4 @ 12"	#6 @ 6"
15'-0"	1'-4 1/2"	2'-1"	4'-7"	8'-0 1/2"	#7 @ 21"	#7 @ 21"	#7 @ 21"	#5 @ 6"	#4 @ 16"	#5 @ 16"	#4 @ 12"	#7 @ 7"
16'-0"	1'-5"	2'-2"	4'-11"	8'-6"	#7 @ 18"	#7 @ 18"	#7 @ 18"	#5 @ 5"	#4 @ 16"	#5 @ 16"	#4 @ 12"	#7 @ 6"
17'-0"	1'-5 1/2"	2'-3"	5'-3"	8'-11 1/2"	#7 @ 15"	#7 @ 15"	#7 @ 15"	#6 @ 6"	#4 @ 16"	#5 @ 16"	#4 @ 12"	#7 @ 5"
18'-0"	1'-6"	2'-4"	5'-7"	9'-5"	#8 @ 18"	#8 @ 18"	#8 @ 18"	#6 @ 5 1/2"	#4 @ 16"	#5 @ 16"	#4 @ 12"	#8 @ 6"
19'-0"	1'-6 1/2"	2'-6"	6'-1"	10'-1 1/2"	#8 @ 15"	#8 @ 15"	#8 @ 15"	#7 @ 6 1/2"	#4 @ 12"	#5 @ 12"	#4 @ 12"	#8 @ 5"
20'-0"	1'-7"	2'-8"	6'-6"	10'-9"	#9 @ 18"	#9 @ 18"	#9 @ 18"	#7 @ 6"	#4 @ 12"	#5 @ 12"	#4 @ 12"	#9 @ 6"


SECTION ELEVATION
ELEVATION
PLAN VIEW
NOTES:
1. THIS DESIGN SHALL BE USED FOR WALLS FROM 4'-0" HEIGHT TO 6'-0" MAXIMUM HEIGHT. A BUILDING PERMIT IS REQUIRED FOR WALLS WHICH EXCEED 4'-0" IN HEIGHT.
2. SOIL BEARING CAPACITY TO BE 2000 PSF MINIMUM.
3. LEVEL BACKFILL WITH SOIL TYPE B. (ASSUMED ACTIVE PRESSURE 45h PCF/L.F.)
4. NOMINAL TIE SIZE TO BE 8"X8".
5. PROVIDE 2" WEEPHOLE SLOTS AT EVERY 8'-0" LENGTH IN THIRD COURSE OF WALL HEIGHT.
6. SPIKE TIES AS INDICATED ON PLAN WITH GALVANIZED 3/8" DIAMETER X 12" LONG SPIKES. ACCEPTABLE OPTION IS NO. 3 REBARS.
7. ANY VARIATION FROM THIS DETAIL SHALL REQUIRE SUBMISSION OF ENGINEERED DESIGN PREPARED BY GEORGIA REGISTERED ENGINEER TO THE DEPARTMENT. REQUIRES BUILDING PERMIT.
8. BACKFILL SLOPE NOT TO EXCEED A RISE TO RUN RATIO OF 1 IN 3.
9. MINIMUM DISTANCE BETWEEN ADJACENT WALLS NOT TO BE LESS THAN MAXIMUM HEIGHT ABOVE GRADE OF DOWNGRADE WALL.
8" NOMINAL
3' OR GREATER RUN
1' RISE
4'-3"
1" TYP.
5'-0"
1" TYP.
FINISH GRADE
6'-0" MAX. HEIGHT
1'-0" MIN.
2" WEEPHOLE SLOTS (TYP).
4'-3"
4'-3" OR 5'-0" (SEE ELEVATION)
TYPICAL EACH SIDE 6" MAX. 2'-0"
2-3/8" DIAMETER X 12" LONG SPIKES (GALVANIZED) TYPICAL
3/8" DIAMETER X 12" LONG SPIKES (GALVANIZED) TYPICAL
8'-0"
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Cross-Tie Retaining Wall
DATE: JUNE 1993
SHEET: 108

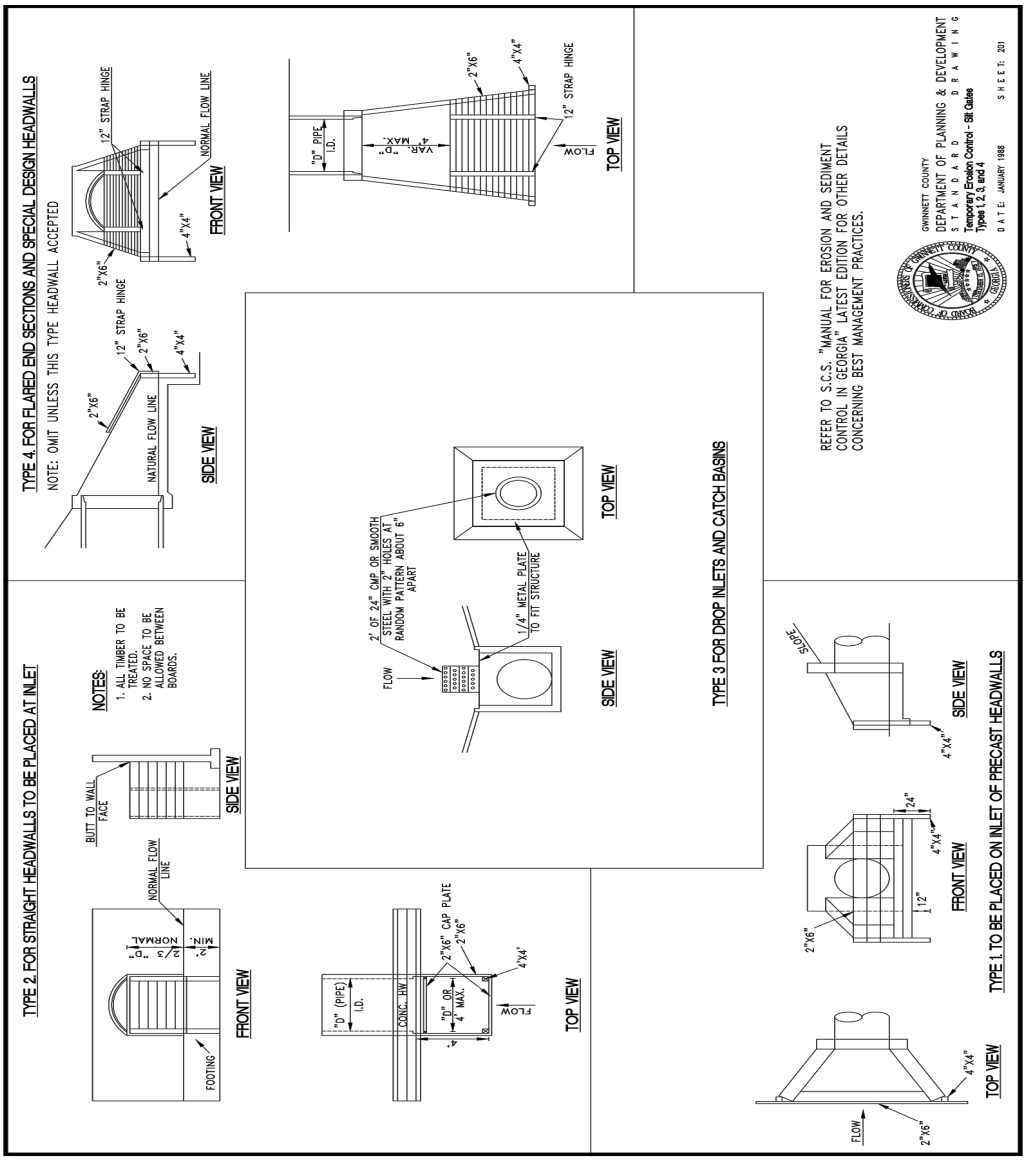


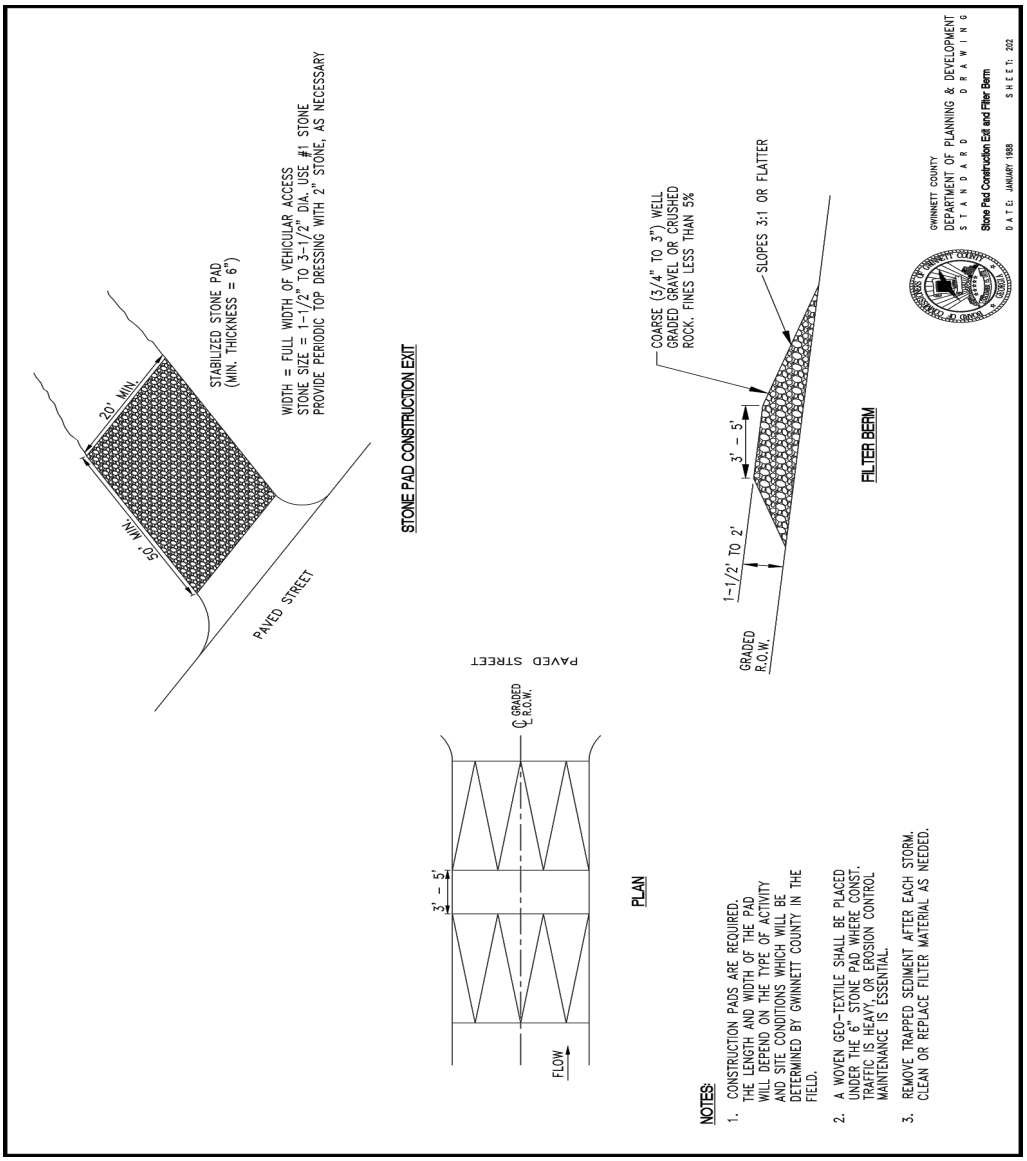
Rebar Development Length L_d	Rebar Size
22"	#4
27"	#5
32"	#6
39"	#7
51"	#8
64"	#9

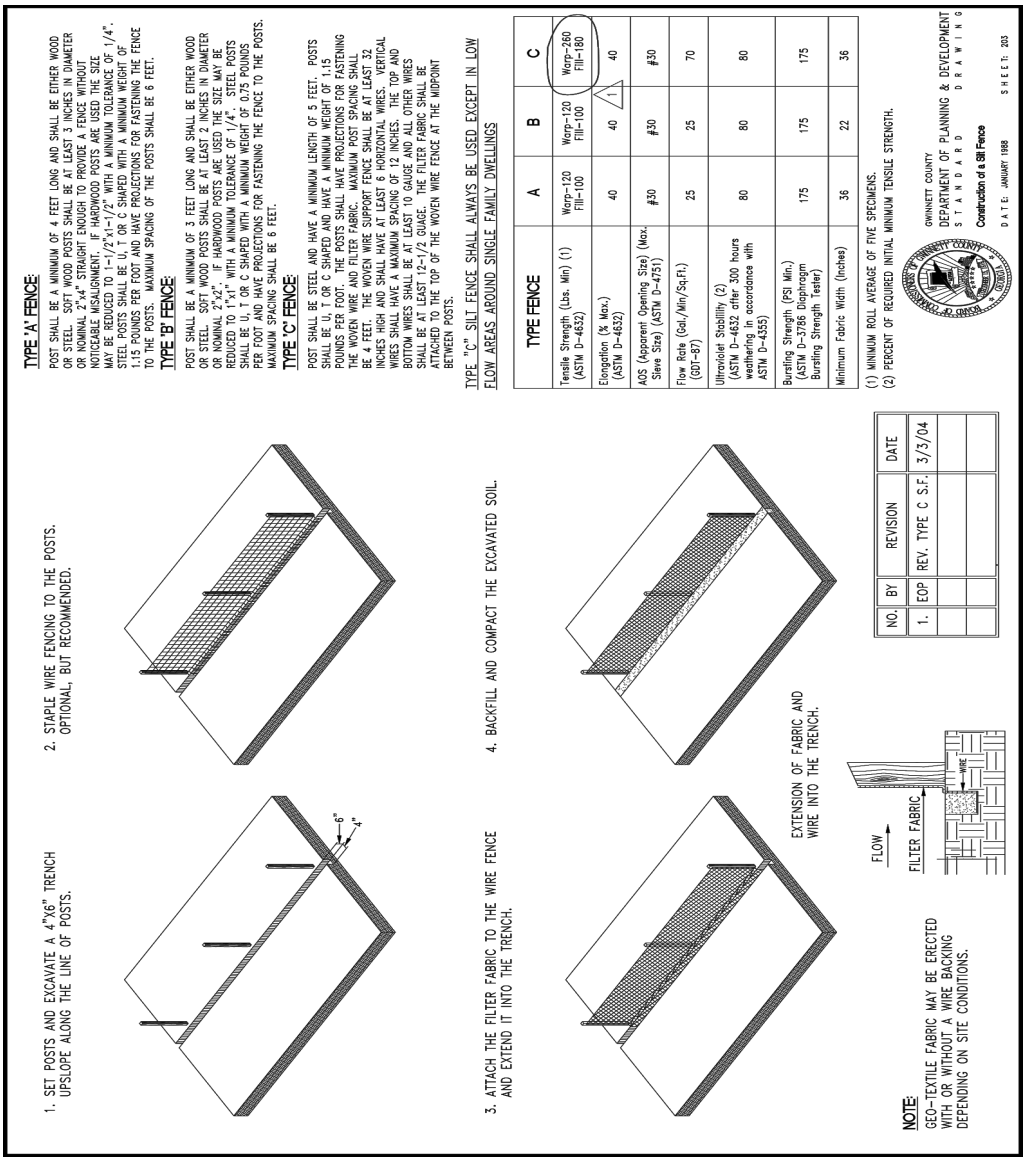
CONCRETE DIMENSIONS				Height above Base	Base Depth	BASE REINFORCEMENT						STEM		Lap Splice	Soil on Footing
Height above Base H_w	Width of Wall A	Heel C	Width of Base W	H_w	A ≥12"	"D" Bar Dowels into Stem		"D" Bars Diagonal Corner Bars	"L" Bars Longitudinal Bars	"P" Bars Top Bars		"W" Bars Straight Lengths	"W" Bars Longitudinal	S	Minimum Soil Depth E
ft.	in.	ft.–in.	ft.–in.	ft.	in.	Size–Spacing	Short Dowel	Size–Spacing	Number–Size	Size–Spacing		Size–Spacing	Size–Spacing		
3	8	1'–2"	2'–6"	3	12	#4@18"	None	#4@18"	5–#4	#6@18"		None	#4@12"	22"	12"
4	8	1'–7"	3'–1"	4	12	#4@18"	None	#4@18"	5–#4	#6@18"		None	#4@12"	22"	12"
5	8	2'–7"	4'–3"	5	12	#4@18"	None	#4@18"	5–#5	#6@18"		None	#4@12"	22"	12"
6	8	3'–6"	5'–5"	6	12	#4@15"	None	#4@15"	5–#5	#6@15"		None	#4@12"	22"	12"
7	8	4'–5"	6'–6"	7	12	#4@9"	None	#4@9"	6–#5	#4@9"		None	#4@12"	22"	12"
8	12	4'–11"	7'–7"	8	12	#4@11"	None	#4@11"	6–#6	#5@11"		None	#5@12"	22"	12"
9	12	5'–10"	8'–8"	9	12	#5@12"	None	#4@12"	6–#6	#5@12"		None	#5@12"	22"	12"
10	12	6'–8"	9'–8"	10	12	#6@12"	None	#4@12"	6–#6	#5@12"		None	#5@12"	22"	12"

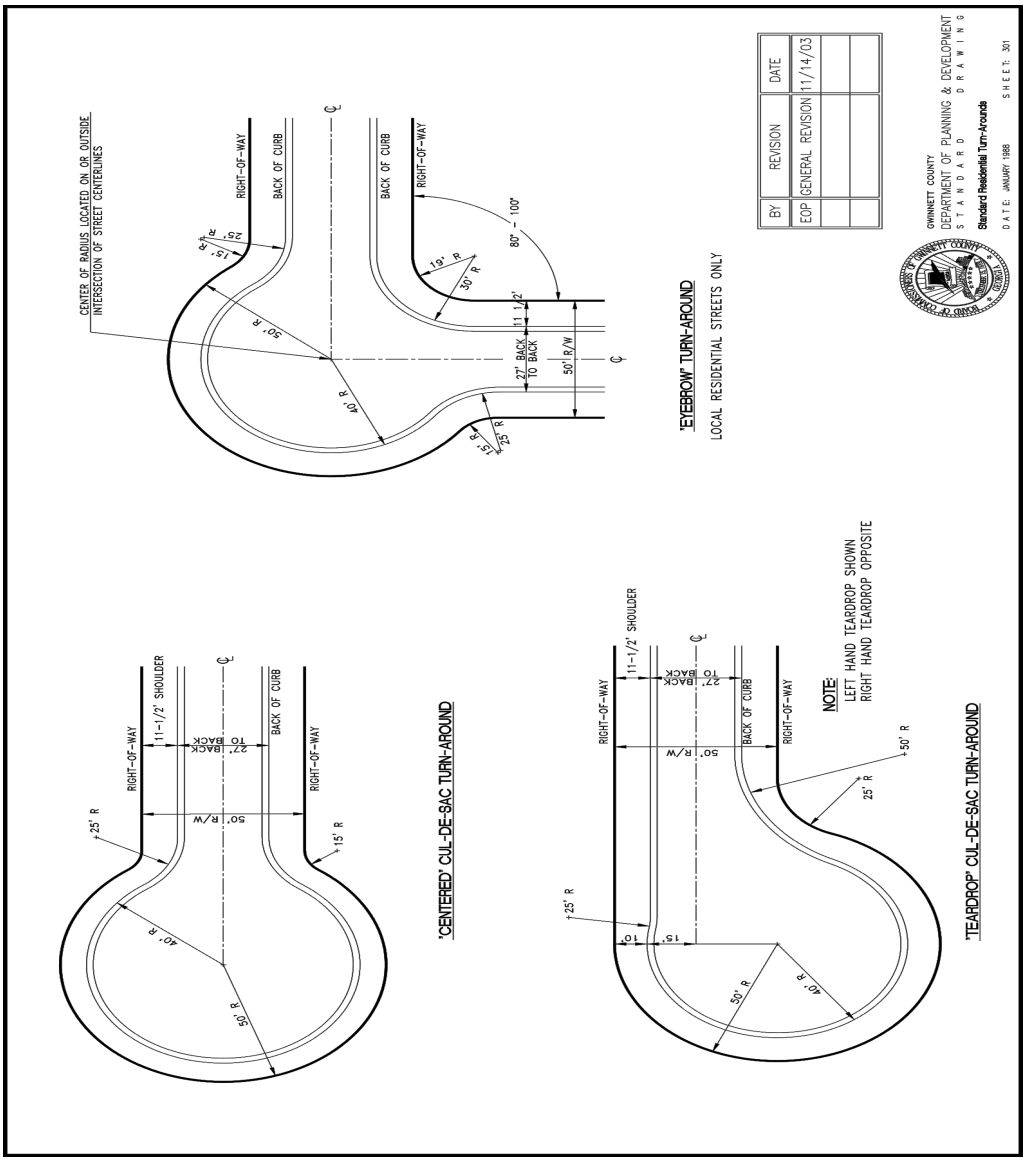


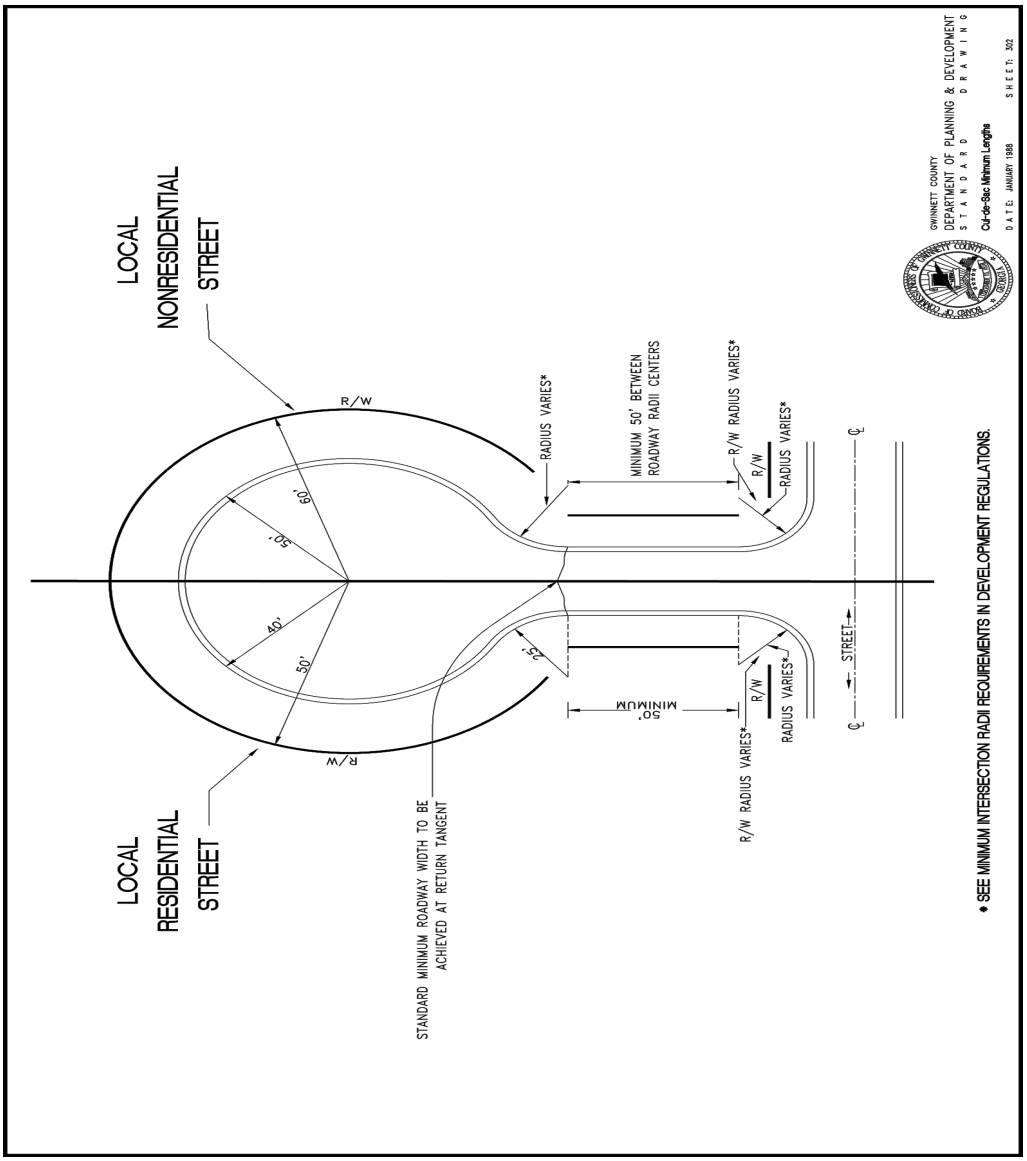
CONCRETE DIMENSIONS				Height above Base	Base Depth	BASE REINFORCEMENT						STEM			Lap Splice	Soil on Footing
Height above Base H_w	Width of Wall A	Heel C	Width of Base W	H_w	A	"D" Bar Dowels into Stem		"D" Bars Diagonal Corner Bars		"h" Bars Longitudinal Bars	"p" Bars Bent Bars	"W" Bars Straight Lengths	"h" Bars Longitudinal			Minimum Soil Depth
					A≥12"	Size–Spacing	Short Dowel	Size–Spacing	Number–Size	Size–Spacing	Size–Spacing	Size–Spacing	Size–Spacing		S	E
ft.	in.	ft.–in.	ft.–in.	ft.	in.	#6@9"	2'-1"	#4@9"	7–#6	#6@6"	#5@6"	#4@9"	#6@12"		25"	12"
11	13	7'-5"	10'-9"	11	13	#7@6"	2'-5"	#4@6"	7–#7	#6@6"	#5@6"	#5@6"	#6@12"		30"	12"
12	14	8'-1"	11'-8"	12	14	#7@6"	2'-5"	#4@6"	7–#7	#6@6"	#5@6"	#6@9"	#9@11"		30"	16"
13	15	8'-10"	12'-9"	13	15	#7@6"	2'-5"	#4@6"	7–#7	#6@6"	#5@6"	#7@6"	#7@15"		39"	16"
14	16	9'-7"	13'-9"	14	16	#8@6"	2'-11"	#5@6"	7–#8	#7@6"	#5@6"	#7@6"	#8@17"		39"	16"
15	18	10'-2"	14'-8"	15	18	#8@6"	2'-11"	#5@6"	8–#8	#7@6"	#6@6"	#8@6"	#8@16"		39"	16"
16	19	10'-11"	15'-9"	16	19	#8@6"	2'-11"	#5@6"	8–#9	#7@6"	#6@6"	#8@6"	#8@15"		49"	16"
17	20	11'-7"	16'-8"	17	21	#9@6"	3'-8"	#6@6"	8–#9	#8@6"	#6@6"	#9@6"	#9@15"		49"	20"
18	21	12'-4"	17'-3"	18	23	#9@6"	3'-8"	#6@6"	8–#10	#8@6"	#7@6"	#9@6"	#9@15"		49"	20"
19	22	13'-1"	18'-9"	19	24	#10@6"	4'-8"	#6@6"	9–#9	#9@6"	#7@6"	#9@6"	#9@14"		63"	20"
20	23	13'-10"	19'-9"	20	26	#10@6"	4'-8"	#7@6"	9–#10	#9@6"	#8@6"	#9@6"	#9@17"		63"	20"

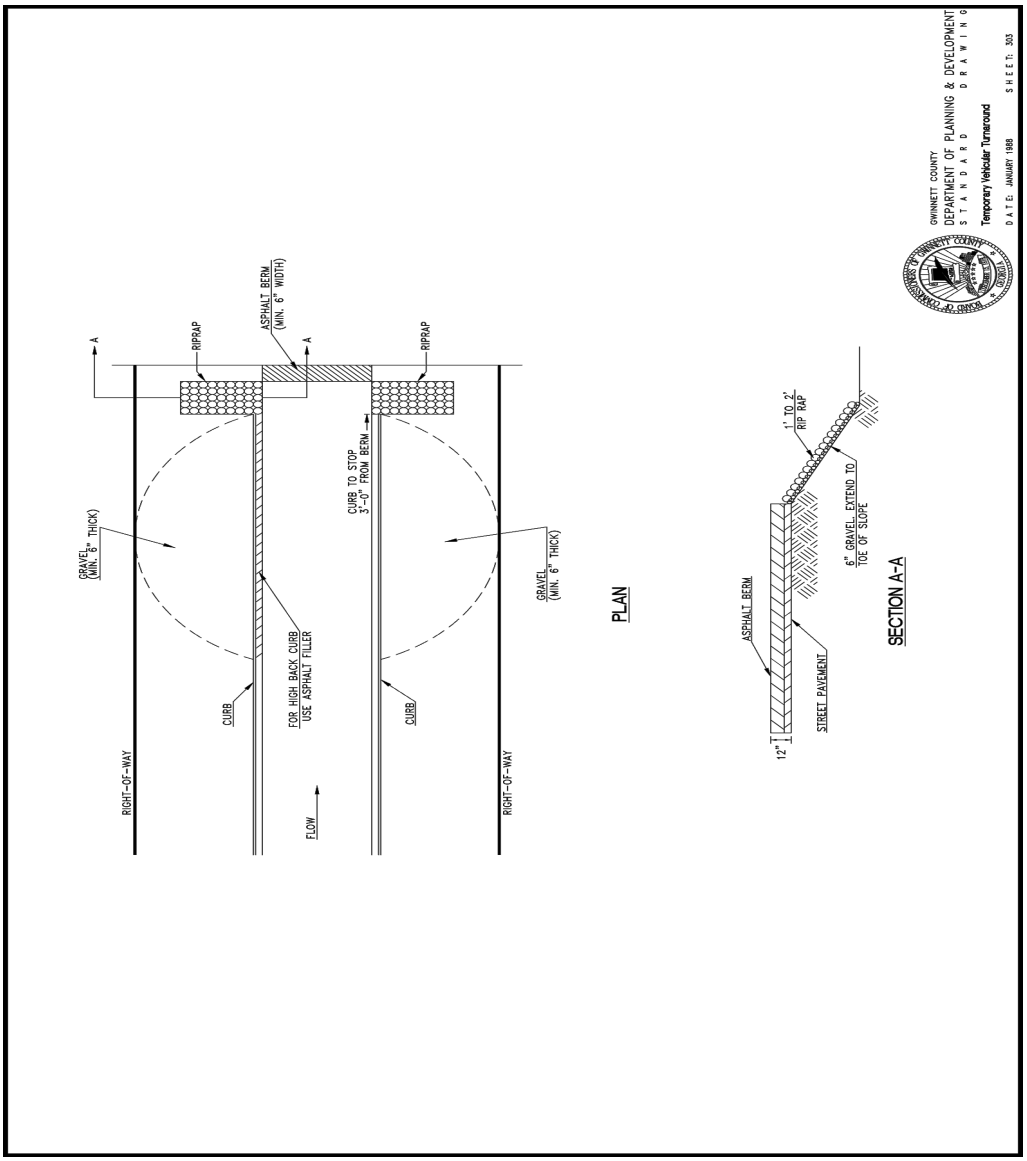

TYPE 4. FOR FLARED END SECTIONS AND SPECIAL DESIGN HEADWALLS
NOTE: OMIT UNLESS THIS TYPE HEADWALL ACCEPTED
12" STRAP HINGE
NORMAL FLOW LINE
2"X6"
4"X4"
FRONT VIEW
12" STRAP HINGE
2"X6"
4"X4"
2"X6"
NATURAL FLOW LINE
SIDE VIEW
"D" PIPE I.D.
VAR. "D" MAX.
2"X6"
4"X4"
12" STRAP HINGE
FLOW
TOP VIEW
TYPE 2. FOR STRAIGHT HEADWALLS TO BE PLACED AT INLET
NOTES:
1. ALL TIMBER TO BE TREATED.
2. NO SPACE TO BE ALLOWED BETWEEN BOARDS.
BUTT TO WALL FACE
SIDE VIEW
NORMAL FLOW LINE
MIN. 12" NORMAL "D"
FOOTING
FRONT VIEW
"D" (PIPE) I.D.
CONC. HW
2"X6" CAP PLATE
2"X6"
"D" OR 4' MAX.
4"X4"
FLOW
TOP VIEW
2" OF 24" CMP OR SMOOTH STEEL WITH 2" HOLES AT RANDOM PATTERN ABOUT 6" APART
FLOW
1/4" METAL PLATE TO FIT STRUCTURE
TOP VIEW
SIDE VIEW
TYPE 3 FOR DROP INLETS AND CATCH BASINS
REFER TO S.C.S. "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" LATEST EDITION FOR OTHER DETAILS CONCERNING BEST MANAGEMENT PRACTICES.
SLOPE
4"X4"
SIDE VIEW
24"
4"X4"
12"
2"X6"
FRONT VIEW
4"X4"
FLOW
2"X6"
TOP VIEW
TYPE 1. TO BE PLACED ON INLET OF PRECAST HEADWALLS
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
S T A N D A R D D R A W I N G
Temporary Erosion Control - Silt Gates
Types 1, 2, 3, and 4
D A T E: JANUARY 1998
S H E E T: 201

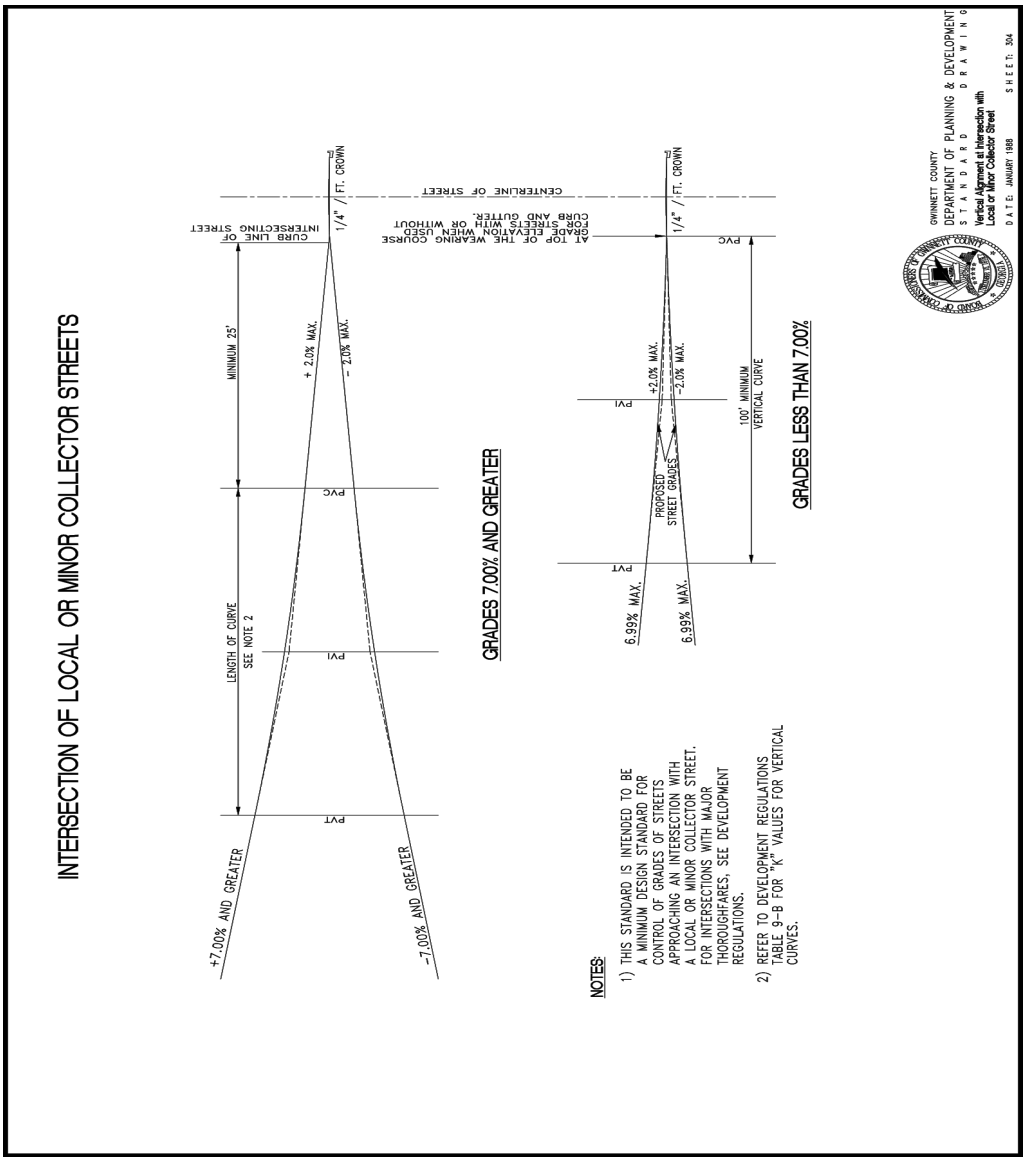

STONE PAD CONSTRUCTION EXIT
20' MIN.
50' MIN.
STABILIZED STONE PAD
(MIN. THICKNESS = 6")
WIDTH = FULL WIDTH OF VEHICULAR ACCESS
STONE SIZE = 1-1/2" TO 3-1/2" DIA. USE #1 STONE
PROVIDE PERIODIC TOP DRESSING WITH 2" STONE, AS NECESSARY
PAVED STREET
PLAN
PAVED STREET
GRADED R.O.W.
3' - 5'
FLOW
FILTER BERM
COARSE (3/4" TO 3") WELL GRADED GRAVEL OR CRUSHED ROCK. FINES LESS THAN 5%
SLOPES 3:1 OR FLATTER
3' - 5'
1-1/2' TO 2'
GRADED R.O.W.
NOTES:
1. CONSTRUCTION PADS ARE REQUIRED. THE LENGTH AND WIDTH OF THE PAD WILL DEPEND ON THE TYPE OF ACTIVITY AND SITE CONDITIONS WHICH WILL BE DETERMINED BY GWINNETT COUNTY IN THE FIELD.
2. A WOVEN GEO-TEXTILE SHALL BE PLACED UNDER THE 6" STONE PAD WHERE CONST. TRAFFIC IS HEAVY, OR EROSION CONTROL MAINTENANCE IS ESSENTIAL.
3. REMOVE TRAPPED SEDIMENT AFTER EACH STORM. CLEAN OR REPLACE FILTER MATERIAL AS NEEDED.
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Stone Pad Construction Exit and Filter Berm
DATE: JANUARY, 1998
SHEET: 202

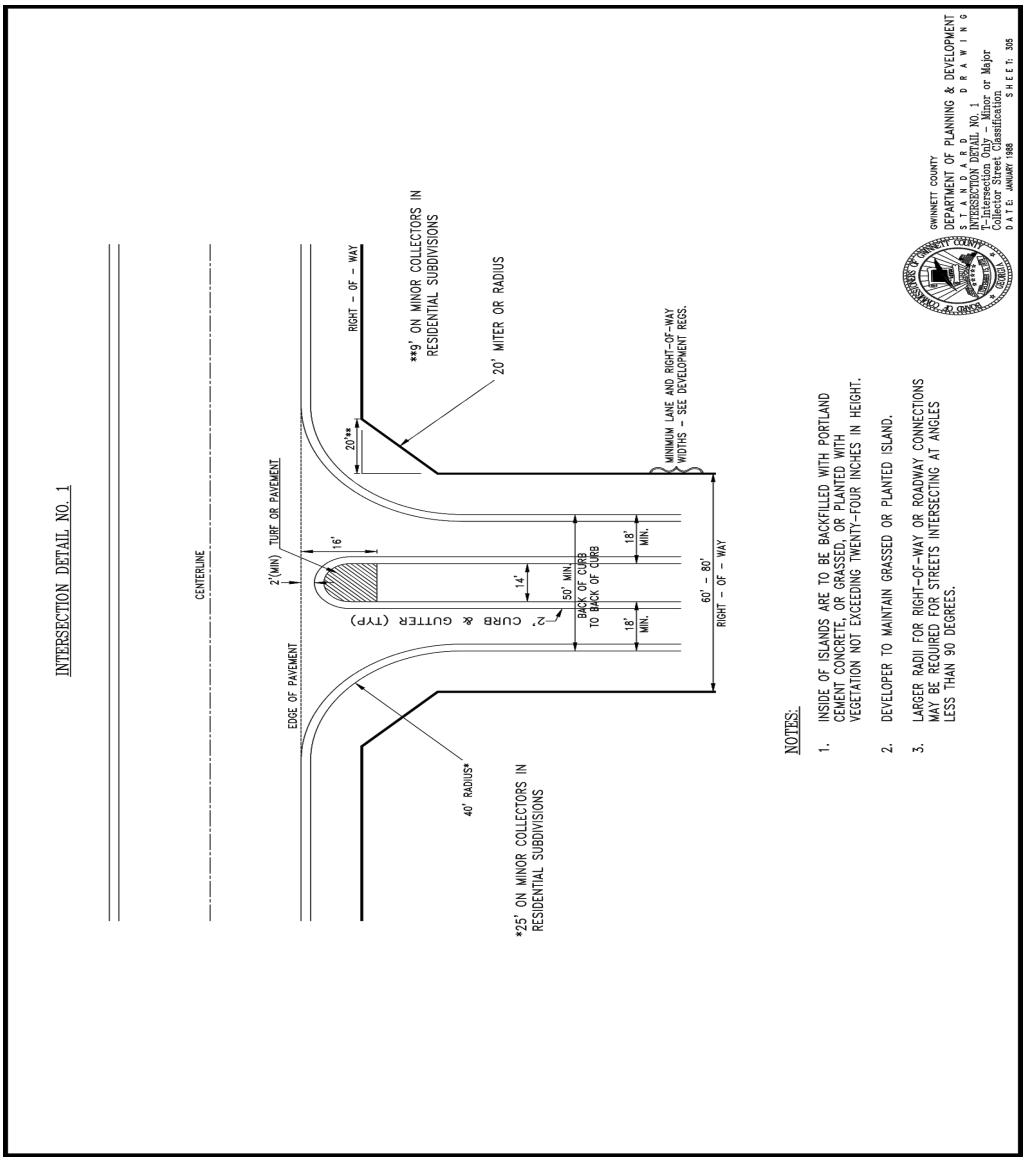

1. SET POSTS AND EXCAVATE A 4"X6" TRENCH UPSLOPE ALONG THE LINE OF POSTS.
6"
4"
2. STAPLE WIRE FENCING TO THE POSTS. OPTIONAL, BUT RECOMMENDED.
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.
EXTENSION OF FABRIC AND WIRE INTO THE TRENCH.
FLOW
FILTER FABRIC
WIRE
NOTE:
GEO-TEXTILE FABRIC MAY BE ERECTED WITH OR WITHOUT A WIRE BACKING DEPENDING ON SITE CONDITIONS.
TYPE 'A' FENCE
POST SHALL BE A MINIMUM OF 4 FEET LONG AND SHALL BE EITHER WOOD OR STEEL. SOFT WOOD POSTS SHALL BE AT LEAST 3 INCHES IN DIAMETER OR NOMINAL 2"x4" STRAIGHT ENOUGH TO PROVIDE A FENCE WITHOUT NOTICEABLE MISALIGNMENT. IF HARDWOOD POSTS ARE USED THE SIZE MAY BE REDUCED TO 1-1/2"x1-1/2" WITH A MINIMUM TOLERANCE OF 1/4". STEEL POSTS SHALL BE U, T OR C SHAPED WITH A MINIMUM WEIGHT OF 1.15 POUNDS PER FOOT AND HAVE PROJECTIONS FOR FASTENING THE FENCE TO THE POSTS. MAXIMUM SPACING OF THE POSTS SHALL BE 6 FEET.
TYPE 'B' FENCE
POST SHALL BE A MINIMUM OF 3 FEET LONG AND SHALL BE EITHER WOOD OR STEEL. SOFT WOOD POSTS SHALL BE AT LEAST 2 INCHES IN DIAMETER OR NOMINAL 2"x2." IF HARDWOOD POSTS ARE USED THE SIZE MAY BE REDUCED TO 1"x1" WITH A MINIMUM TOLERANCE OF 1/4". STEEL POSTS SHALL BE U, T OR C SHAPED WITH A MINIMUM WEIGHT OF 0.75 POUNDS PER FOOT AND HAVE PROJECTIONS FOR FASTENING THE FENCE TO THE POSTS. MAXIMUM SPACING SHALL BE 6 FEET.
TYPE 'C' FENCE
POST SHALL BE STEEL AND HAVE A MINIMUM LENGTH OF 5 FEET. POSTS SHALL BE U, T OR C SHAPED AND HAVE A MINIMUM WEIGHT OF 1.15 POUNDS PER FOOT. THE POSTS SHALL HAVE PROJECTIONS FOR FASTENING THE WOVEN WIRE AND FILTER FABRIC. MAXIMUM POST SPACING SHALL BE 4 FEET. THE WOVEN WIRE SUPPORT FENCE SHALL BE AT LEAST 32 INCHES HIGH AND SHALL HAVE AT LEAST 6 HORIZONTAL WIRES. VERTICAL WIRES SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12-1/2 GUAGE. THE FILTER FABRIC SHALL BE ATTACHED TO THE TOP OF THE WOVEN WIRE FENCE AT THE MIDPOINT BETWEEN POSTS.
TYPE "C" SILT FENCE SHALL ALWAYS BE USED EXCEPT IN LOW FLOW AREAS AROUND SINGLE FAMILY DWELLINGS
TYPE FENCE | A | B | C
Tensile Strength (Lbs. Min) (1) (ASTM D-4632) | Warp-120 Fill-100 | Warp-120 Fill-100 | Warp-260 Fill-180
Elongation (% Max.) (ASTM D-4632) | 40 | 40 | 40
AOS (Apparent Opening Size) (Max. Sieve Size) (ASTM D-4751) | #30 | #30 | #30
Flow Rate (Gal./Min/Sq.Ft.) (GDT-87) | 25 | 25 | 70
Ultraviolet Stability (2) (ASTM D-4632 after 300 hours weathering in accordance with ASTM D-4355) | 80 | 80 | 80
Bursting Strength (PSI Min.) (ASTM D-3786 Diaphragm Bursting Strength Tester) | 175 | 175 | 175
Minimum Fabric Width (Inches) | 36 | 22 | 36
(1) MINIMUM ROLL AVERAGE OF FIVE SPECIMENS.
(2) PERCENT OF REQUIRED INITIAL MINIMUM TENSILE STRENGTH.
NO. | BY | REVISION | DATE
1. | EOP | REV. TYPE C S.F. | 3/3/04
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Construction of a Silt Fence
DATE: JANUARY 1988
SHEET: 203

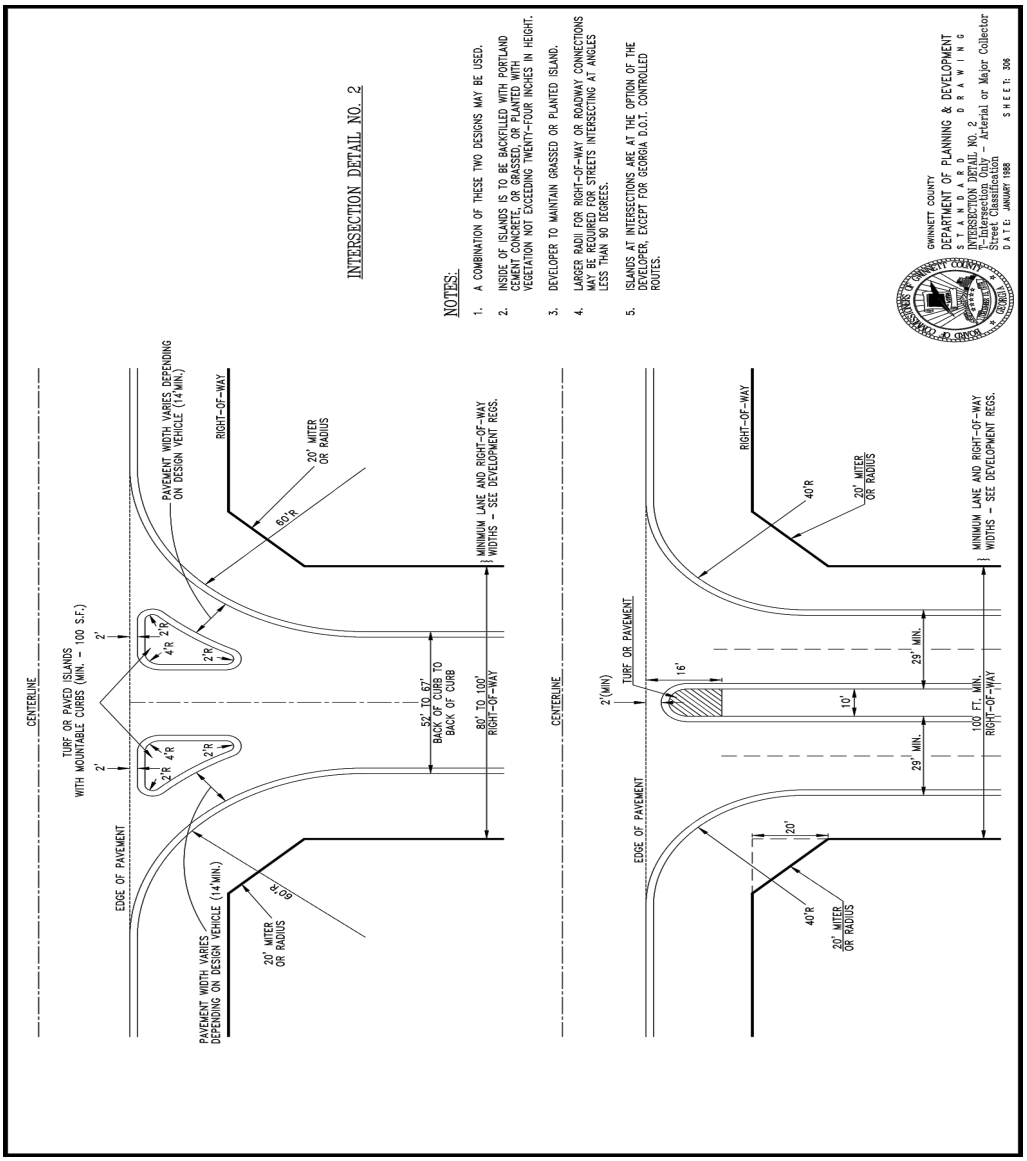

CENTER OF RADIUS LOCATED ON OR OUTSIDE INTERSECTION OF STREET CENTERLINES
RIGHT-OF-WAY
BACK OF CURB
BACK OF CURB
RIGHT-OF-WAY
80' - 100'
50' R
40' R
15' R
25' R
19'
30' R
11 1/2'
27' BACK TO BACK
50' R/W
"EYEBROW" TURN-AROUND
LOCAL RESIDENTIAL STREETS ONLY
BY
REVISION
DATE
EOP
GENERAL REVISION
11/14/03
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Standard Residential Turn-Arounds
DATE: JANUARY 1988
SHEET: 301
RIGHT-OF-WAY
11-1/2' SHOULDER
27' BACK TO BACK
BACK OF CURB
RIGHT-OF-WAY
25' R
50' R/W
15' R
40' R
50' R
"CENTERED" CUL-DE-SAC TURN-AROUND
RIGHT-OF-WAY
11-1/2' SHOULDER
27' BACK TO BACK
BACK OF CURB
RIGHT-OF-WAY
50' R/W
50' R
25' R
25' R
10'
15'
50' R
40' R
"TEARDROP" CUL-DE-SAC TURN-AROUND
NOTE:
LEFT HAND TEARDROP SHOWN
RIGHT HAND TEARDROP OPPOSITE

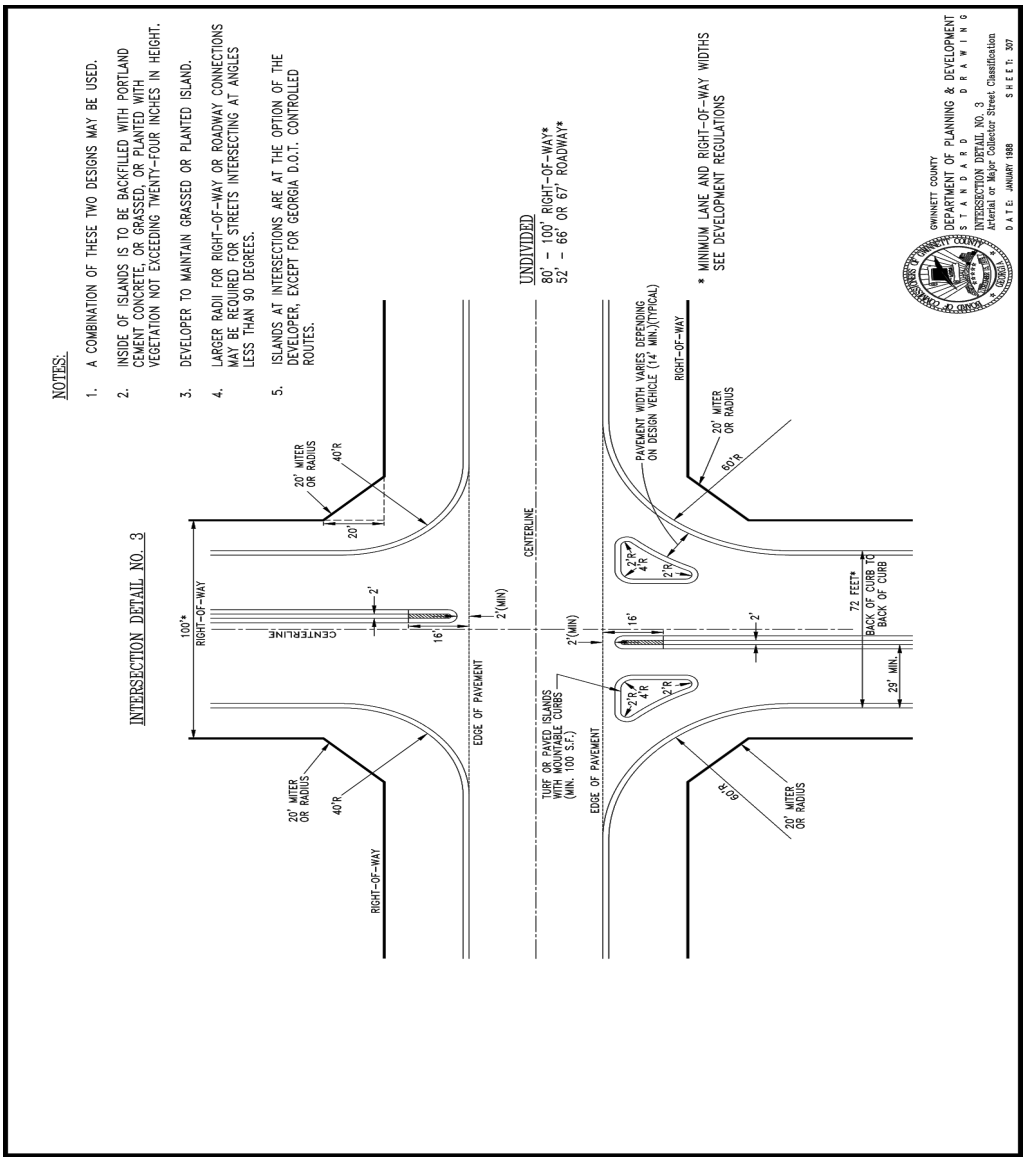

LOCAL
NONRESIDENTIAL
STREET
LOCAL
RESIDENTIAL
STREET
R/W
R/W
60'
50'
40'
50'
25'
RADIUS VARIES*
MINIMUM 50' BETWEEN
ROADWAY RADII CENTERS
R/W RADIUS VARIES*
R/W
RADIUS VARIES*
R/W RADIUS VARIES*
R/W
RADIUS VARIES*
MINIMUM 150'
STREET
STANDARD MINIMUM ROADWAY WIDTH TO BE
ACHIEVED AT RETURN TANGENT
* SEE MINIMUM INTERSECTION RADII REQUIREMENTS IN DEVELOPMENT REGULATIONS.
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Cul-de-Sac Minimum Lengths
DATE: JANUARY 1988
SHEET: 302

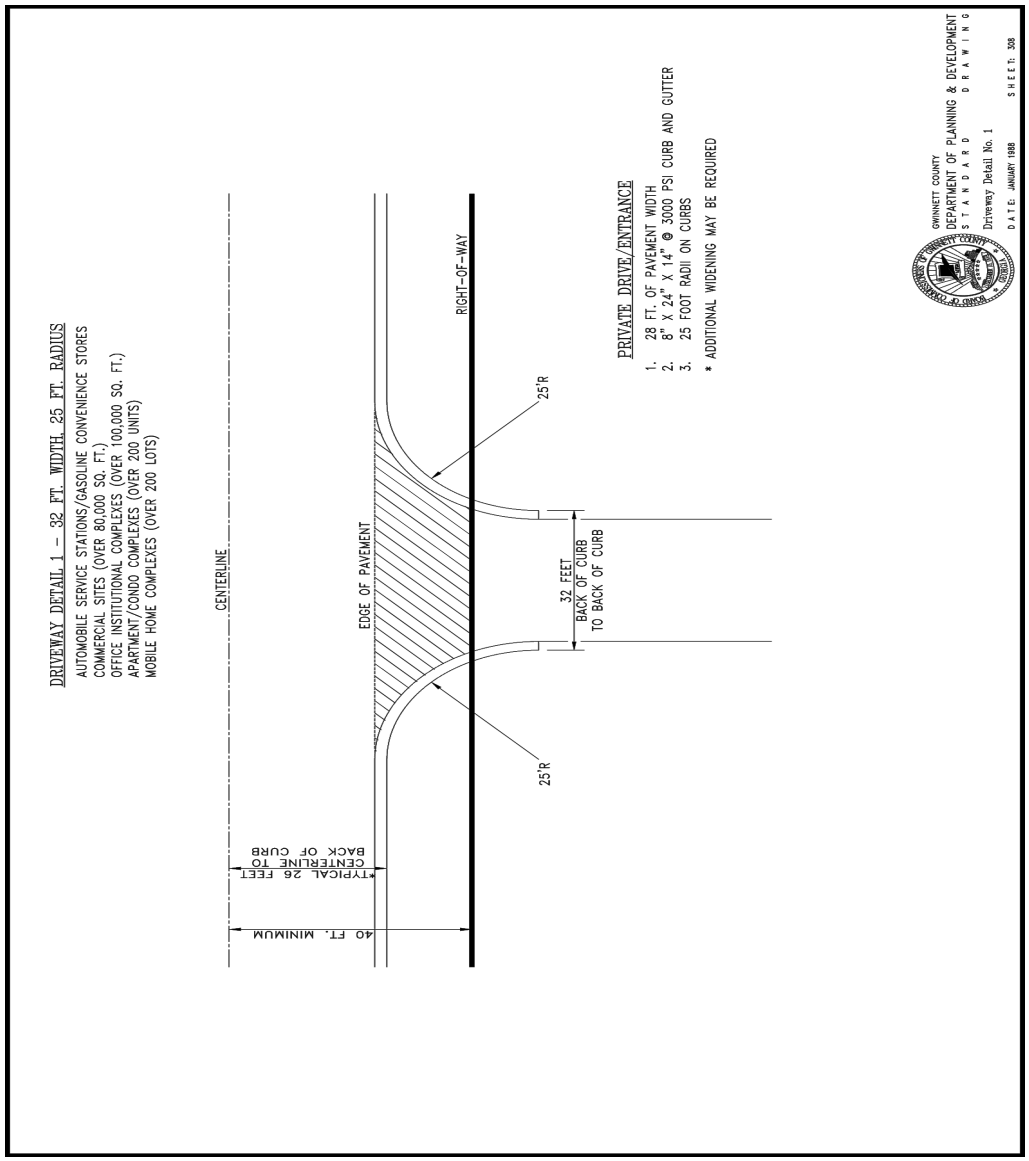

GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Temporary Vehicular Turnaround
DATE: JANUARY 1988
SHEET: 303
A
RIPRAP
ASPHALT BERM (MIN. 6" WIDTH)
A
RIPRAP
CURB TO STOP 3'-0" FROM BERM
GRAVEL (MIN. 6" THICK)
GRAVEL (MIN. 6" THICK)
CURB
FOR HIGH BACK CURB USE ASPHALT FILLER
CURB
RIGHT-OF-WAY
FLOW
RIGHT-OF-WAY
PLAN
1' TO 2' RIP RAP
6" GRAVEL EXTEND TO TOE OF SLOPE
ASPHALT BERM
12"
STREET PAVEMENT
SECTION A-A

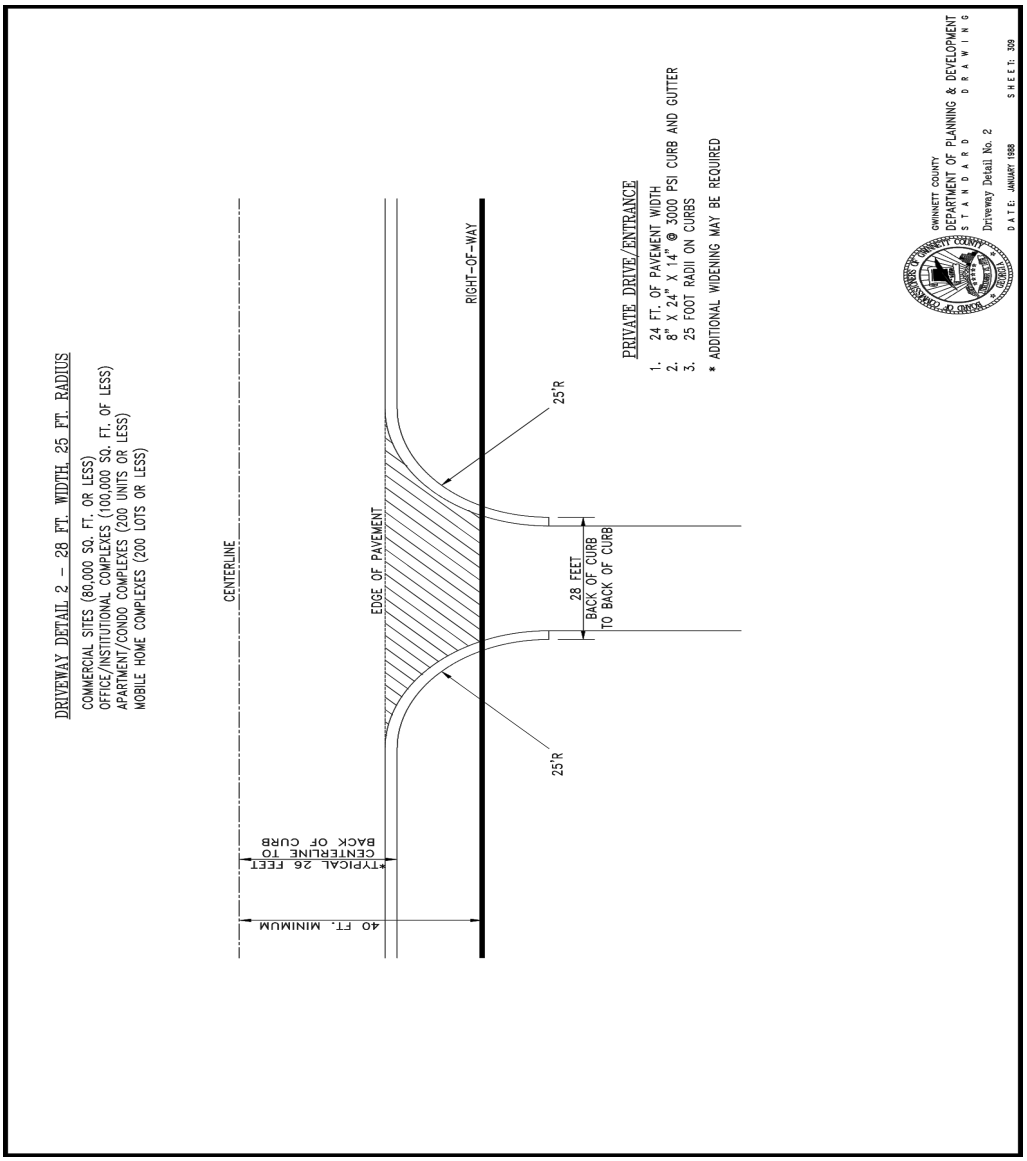

INTERSECTION OF LOCAL OR MINOR COLLECTOR STREETS
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Vertical Alignment at Intersection with Local or Minor Collector Street
DATE: JANUARY 1988
SHEET: 304
CENTERLINE OF STREET
1/4" /FT. CROWN
CURB LINE OF INTERSECTING STREET
AT TOP OF THE WEARING COURSE TO GRADE ELEVATION WHEN USED FOR STREETS WITH OR WITHOUT CURB AND GUTTER.
MINIMUM 25'
LENGTH OF CURVE SEE NOTE 2
+ 2.0% MAX.
- 2.0% MAX.
PVC
PVI
PVT
+7.00% AND GREATER
-7.00% AND GREATER
GRADES 7.00% AND GREATER
+2.0% MAX.
-2.0% MAX.
PROPOSED STREET GRADES
6.99% MAX.
6.99% MAX.
100' MINIMUM VERTICAL CURVE
GRADES LESS THAN 7.00%
NOTES:
1) THIS STANDARD IS INTENDED TO BE A MINIMUM DESIGN STANDARD FOR CONTROL OF GRADES OF STREETS APPROACHING AN INTERSECTION WITH A LOCAL OR MINOR COLLECTOR STREET. FOR INTERSECTIONS WITH MAJOR THOROUGHFARES, SEE DEVELOPMENT REGULATIONS.
2) REFER TO DEVELOPMENT REGULATIONS TABLE 9-B FOR "K" VALUES FOR VERTICAL CURVES.

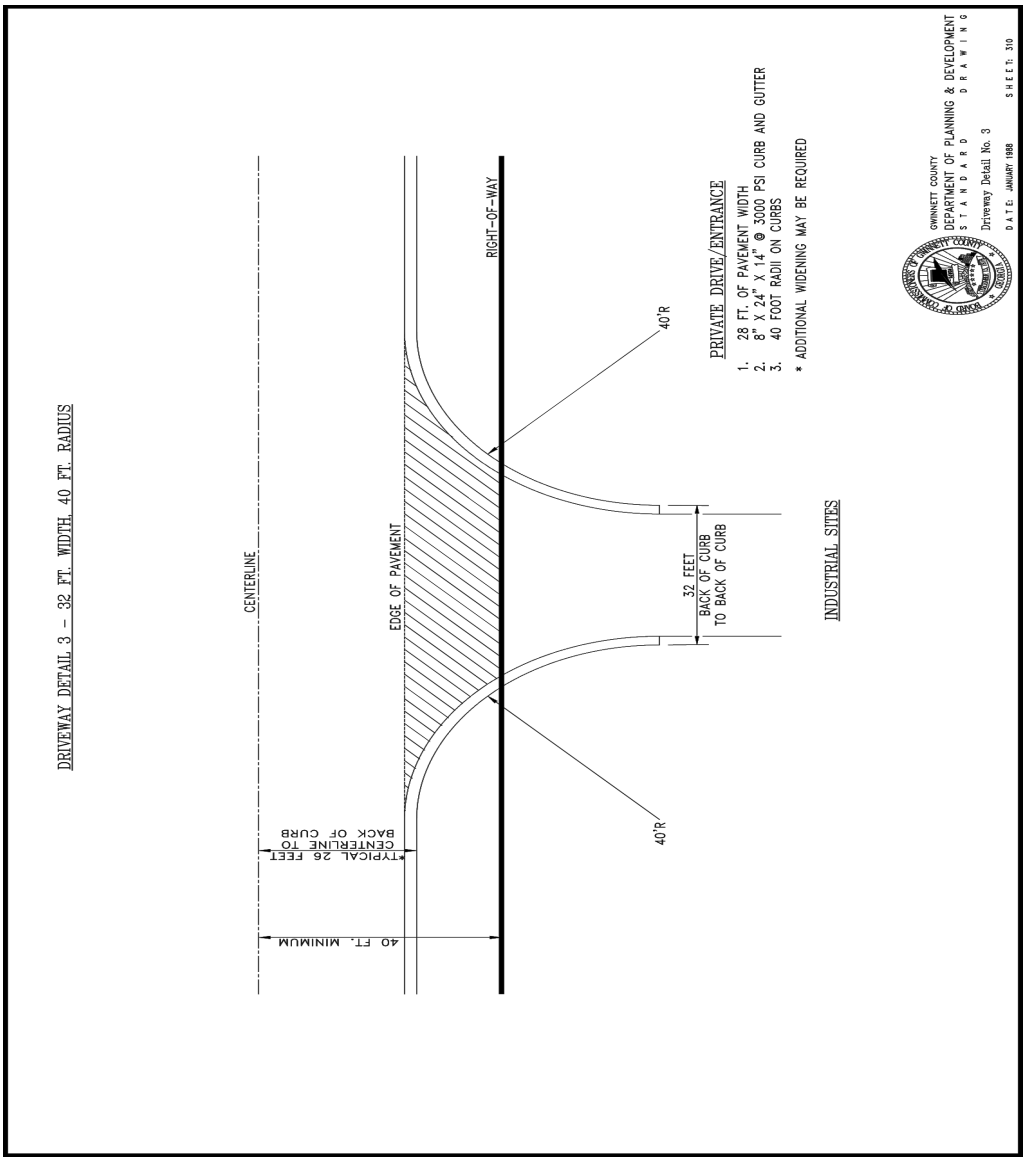

INTERSECTION DETAIL NO. 1
CENTERLINE
EDGE OF PAVEMENT
2'(MIN) TURF OR PAVEMENT
16'
2' CURB & GUTTER (TYP)
14'
50' MIN.
BACK OF CURB TO BACK OF CURB
18' MIN.
18' MIN.
60' - 80'
RIGHT - OF - WAY
RIGHT - OF - WAY
20'**
**9' ON MINOR COLLECTORS IN RESIDENTIAL SUBDIVISIONS
20' MITER OR RADIUS
MINIMUM LANE AND RIGHT-OF-WAY WIDTHS - SEE DEVELOPMENT REGS.
40' RADIUS*
*25' ON MINOR COLLECTORS IN RESIDENTIAL SUBDIVISIONS
NOTES:
1. INSIDE OF ISLANDS ARE TO BE BACKFILLED WITH PORTLAND CEMENT CONCRETE, OR GRASSED, OR PLANTED WITH VEGETATION NOT EXCEEDING TWENTY-FOUR INCHES IN HEIGHT.
2. DEVELOPER TO MAINTAIN GRASSED OR PLANTED ISLAND.
3. LARGER RADII FOR RIGHT-OF-WAY OR ROADWAY CONNECTIONS MAY BE REQUIRED FOR STREETS INTERSECTING AT ANGLES LESS THAN 90 DEGREES.
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
INTERSECTION DETAIL NO. 1
Intersection Only - Minor or Major
Collector Street Classification
DATE: JANUARY 1988
SHEET: 305

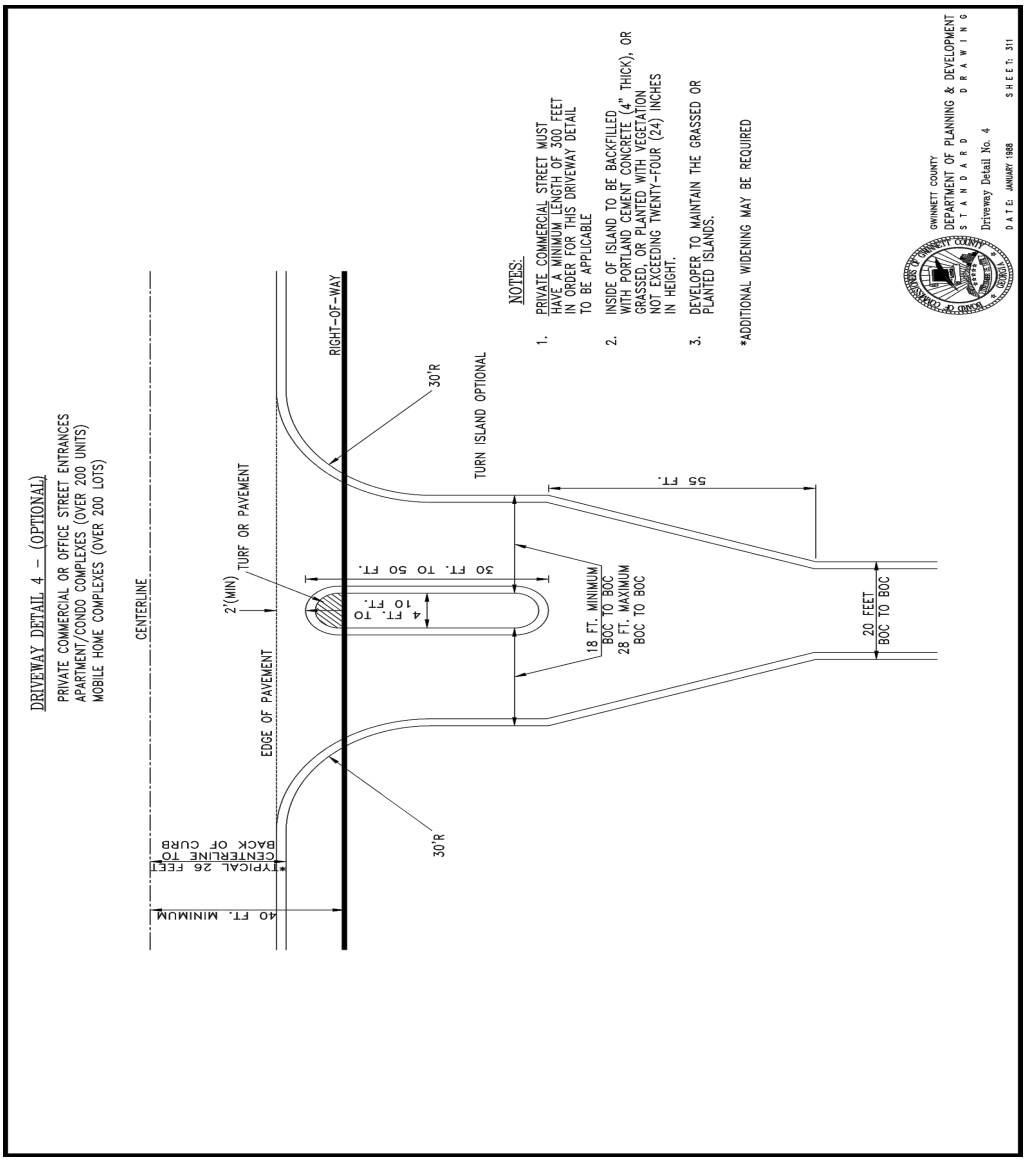

INTERSECTION DETAIL NO. 2
NOTES:
1. A COMBINATION OF THESE TWO DESIGNS MAY BE USED.
2. INSIDE OF ISLANDS IS TO BE BACKFILLED WITH PORTLAND CEMENT CONCRETE, OR GRASSED, OR PLANTED WITH VEGETATION NOT EXCEEDING TWENTY-FOUR INCHES IN HEIGHT.
3. DEVELOPER TO MAINTAIN GRASSED OR PLANTED ISLAND.
4. LARGER RADII FOR RIGHT-OF-WAY OR ROADWAY CONNECTIONS MAY BE REQUIRED FOR STREETS INTERSECTING AT ANGLES LESS THAN 90 DEGREES.
5. ISLANDS AT INTERSECTIONS ARE AT THE OPTION OF THE DEVELOPER, EXCEPT FOR GEORGIA D.O.T. CONTROLLED ROUTES.
CENTERLINE
TURF OR PAVED ISLANDS WITH MOUNTABLE CURBS (MIN. - 100 S.F.)
2'
2'
EDGE OF PAVEMENT
PAVEMENT WIDTH VARIES DEPENDING ON DESIGN VEHICLE (14' MIN.)
4'R
2'R
2'R
4'R
2'R
2'R
PAVEMENT WIDTH VARIES DEPENDING ON DESIGN VEHICLE (14' MIN.)
80'R
20' MITER OR RADIUS
RIGHT-OF-WAY
60'R
20' MITER OR RADIUS
52' TO 67' BACK OF CURB TO BACK OF CURB
80' TO 100' RIGHT-OF-WAY
MINIMUM LANE AND RIGHT-OF-WAY WIDTHS - SEE DEVELOPMENT REGS.
CENTERLINE
2'(MIN)
TURF OR PAVEMENT
EDGE OF PAVEMENT
16'
10'
20'
40'R
20' MITER OR RADIUS
RIGHT-OF-WAY
40'R
20' MITER OR RADIUS
29' MIN.
29' MIN.
100 FT. MIN. RIGHT-OF-WAY
MINIMUM LANE AND RIGHT-OF-WAY WIDTHS - SEE DEVELOPMENT REGS.
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
INTERSECTION DETAIL NO. 2
For Intersection of: Arterial or Major Collector Street Classification
DATE: JANUARY 1988
SHEET: 306

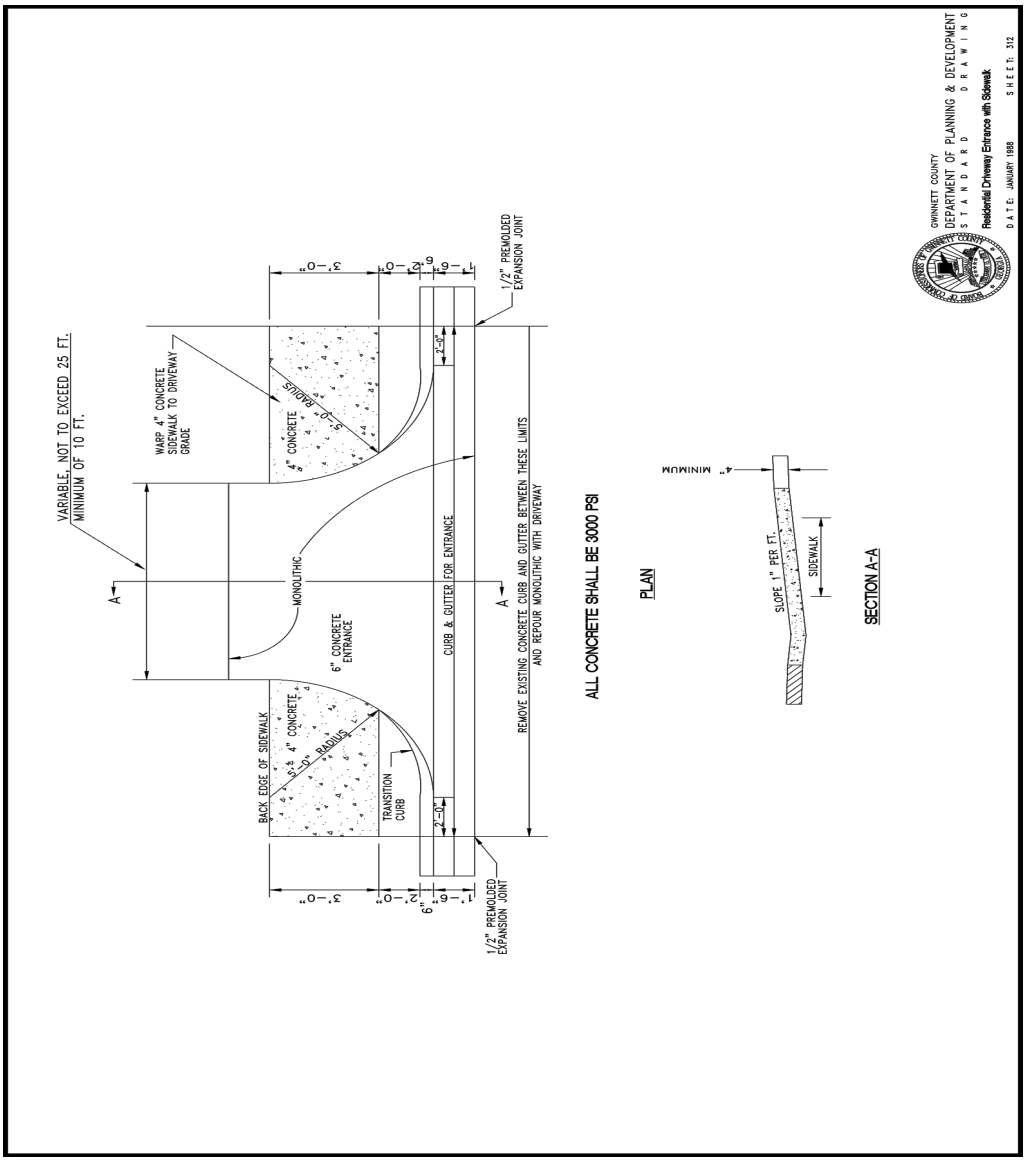

NOTES:
1. A COMBINATION OF THESE TWO DESIGNS MAY BE USED.
2. INSIDE OF ISLANDS IS TO BE BACKFILLED WITH PORTLAND CEMENT CONCRETE, OR GRASSED, OR PLANTED WITH VEGETATION NOT EXCEEDING TWENTY-FOUR INCHES IN HEIGHT.
3. DEVELOPER TO MAINTAIN GRASSED OR PLANTED ISLAND.
4. LARGER RADII FOR RIGHT-OF-WAY OR ROADWAY CONNECTIONS MAY BE REQUIRED FOR STREETS INTERSECTING AT ANGLES LESS THAN 90 DEGREES.
5. ISLANDS AT INTERSECTIONS ARE AT THE OPTION OF THE DEVELOPER, EXCEPT FOR GEORGIA D.O.T. CONTROLLED ROUTES.
INTERSECTION DETAIL NO. 3
UNDIVIDED
80' - 100' RIGHT-OF-WAY*
52' - 66' OR 67' ROADWAY*
* MINIMUM LANE AND RIGHT-OF-WAY WIDTHS SEE DEVELOPMENT REGULATIONS
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
INTERSECTION DETAIL NO. 3
Arterial or Major Collector Street Classification
DATE: JANUARY 1988
SHEET: 307
100'* RIGHT-OF-WAY
CENTERLINE
20' MITER OR RADIUS
40'R
20'
2'
16'
2' (MIN)
EDGE OF PAVEMENT
TURF OR PAVED ISLANDS WITH MOUNTABLE CURBS (MIN. 100 S.F.)
PAVEMENT WIDTH VARIES DEPENDING ON DESIGN VEHICLE (14' MIN.)(TYPICAL)
2'R
4'R
60'R
72 FEET*
BACK OF CURB TO BACK OF CURB
29' MIN.

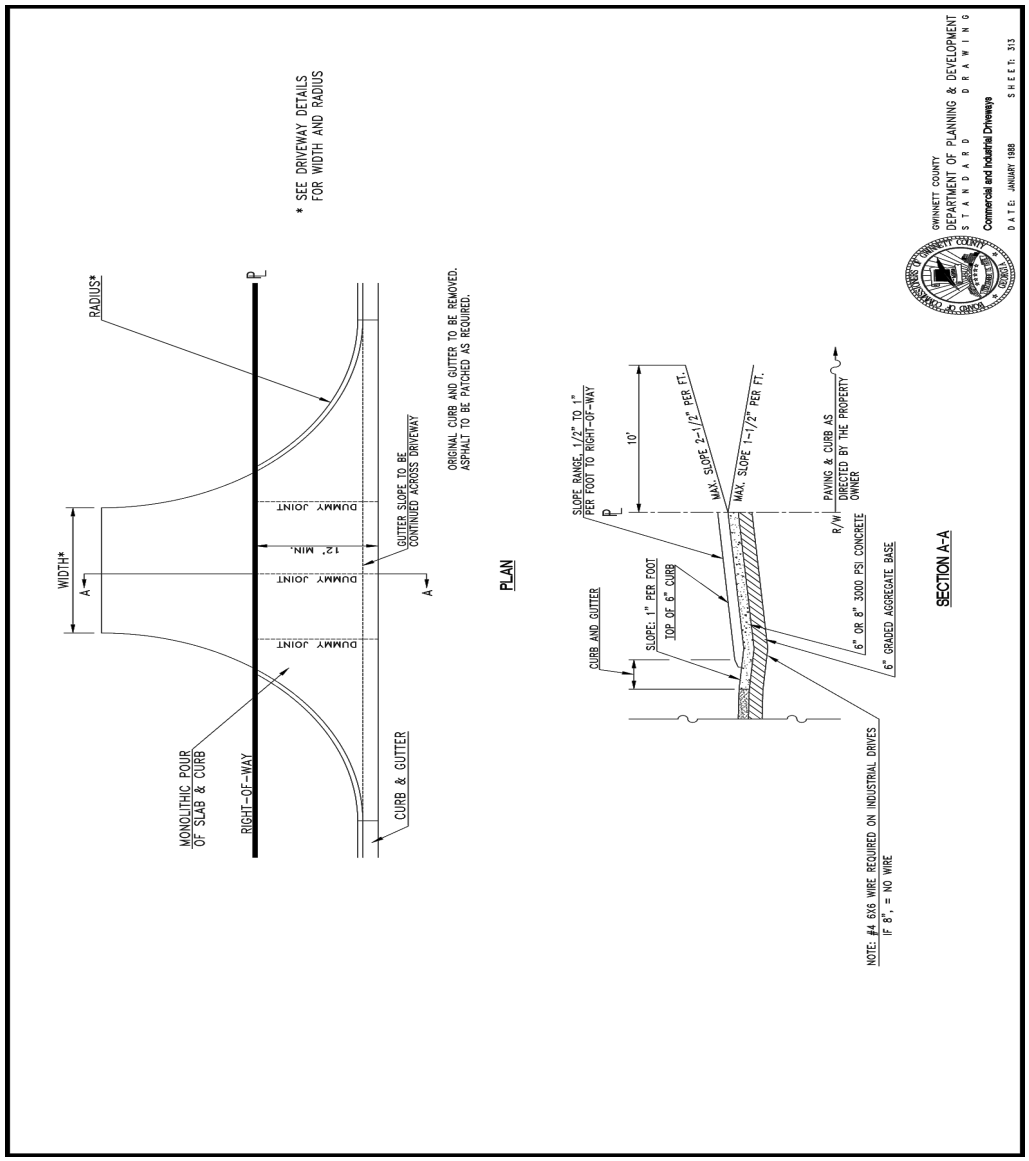

DRIVEWAY DETAIL 1 – 32 FT. WIDTH, 25 FT. RADIUS
AUTOMOBILE SERVICE STATIONS/GASOLINE CONVENIENCE STORES
COMMERCIAL SITES (OVER 80,000 SQ. FT.)
OFFICE INSTITUTIONAL COMPLEXES (OVER 100,000 SQ. FT.)
APARTMENT/CONDO COMPLEXES (OVER 200 UNITS)
MOBILE HOME COMPLEXES (OVER 200 LOTS)
CENTERLINE
EDGE OF PAVEMENT
RIGHT-OF-WAY
25'R
25'R
32 FEET
BACK OF CURB
TO BACK OF CURB
*TYPICAL 26 FEET
CENTERLINE TO
BACK OF CURB
40 FT. MINIMUM
PRIVATE DRIVE/ENTRANCE
1. 28 FT. OF PAVEMENT WIDTH
2. 8" X 24" X 14" @ 3000 PSI CURB AND GUTTER
3. 25 FOOT RADII ON CURBS
* ADDITIONAL WIDENING MAY BE REQUIRED
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Driveway Detail No. 1
DATE: JANUARY 1988
SHEET: 308

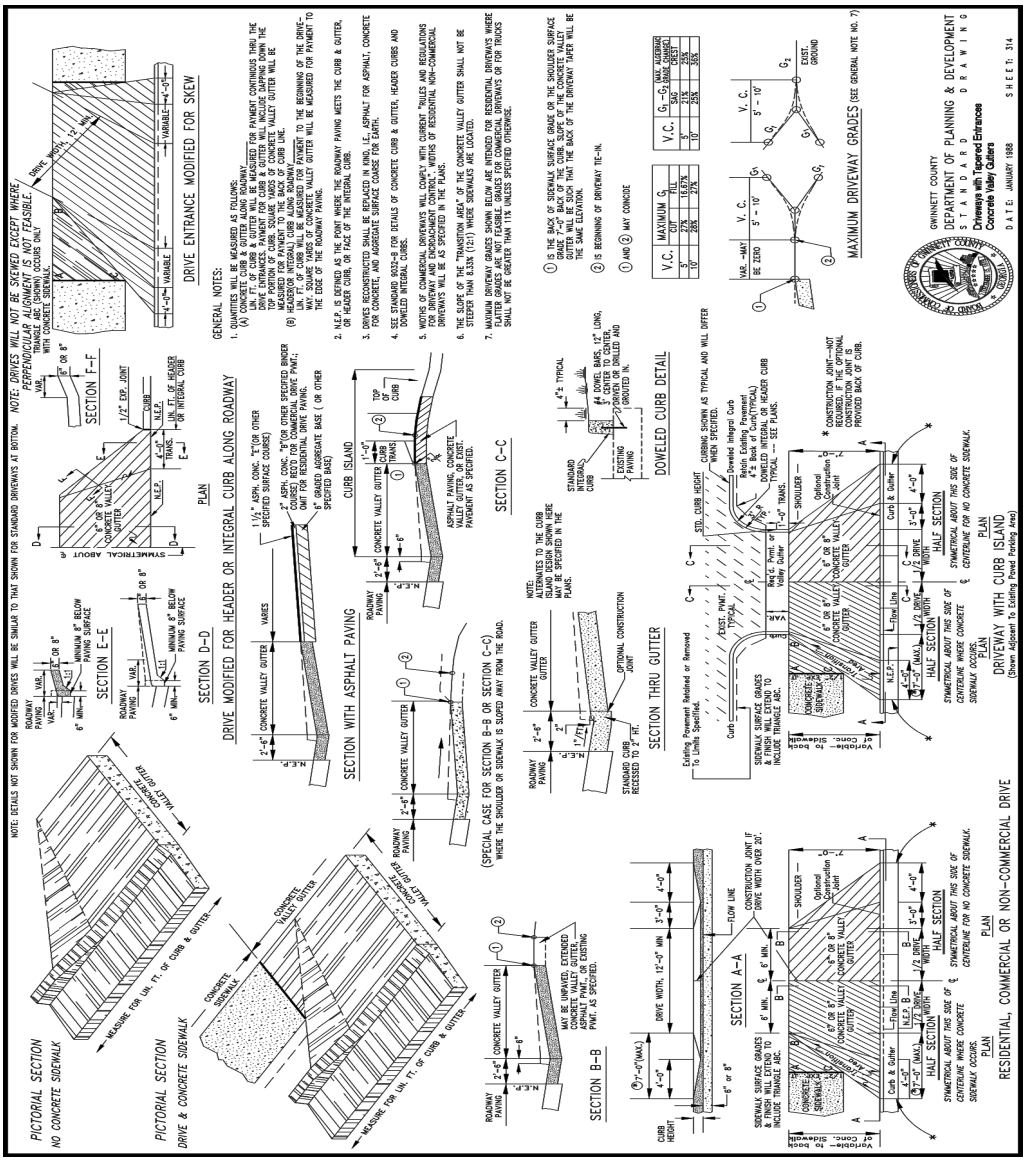

DRIVEWAY DETAIL 2 – 28 FT. WIDTH, 25 FT. RADIUS
COMMERCIAL SITES (80,000 SQ. FT. OR LESS)
OFFICE/INSTITUTIONAL COMPLEXES (100,000 SQ. FT. OF LESS)
APARTMENT/CONDO COMPLEXES (200 UNITS OR LESS)
MOBILE HOME COMPLEXES (200 LOTS OR LESS)
CENTERLINE
EDGE OF PAVEMENT
RIGHT-OF-WAY
25'R
25'R
28 FEET
BACK OF CURB
TO BACK OF CURB
*TYPICAL 26 FEET
CENTERLINE TO
BACK OF CURB
40 FT. MINIMUM
PRIVATE DRIVE/ENTRANCE
1. 24 FT. OF PAVEMENT WIDTH
2. 8" X 24" X 14" @ 3000 PSI CURB AND GUTTER
3. 25 FOOT RADII ON CURBS
* ADDITIONAL WIDENING MAY BE REQUIRED
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Driveway Detail No. 2
DATE: JANUARY 1998
SHEET: 309

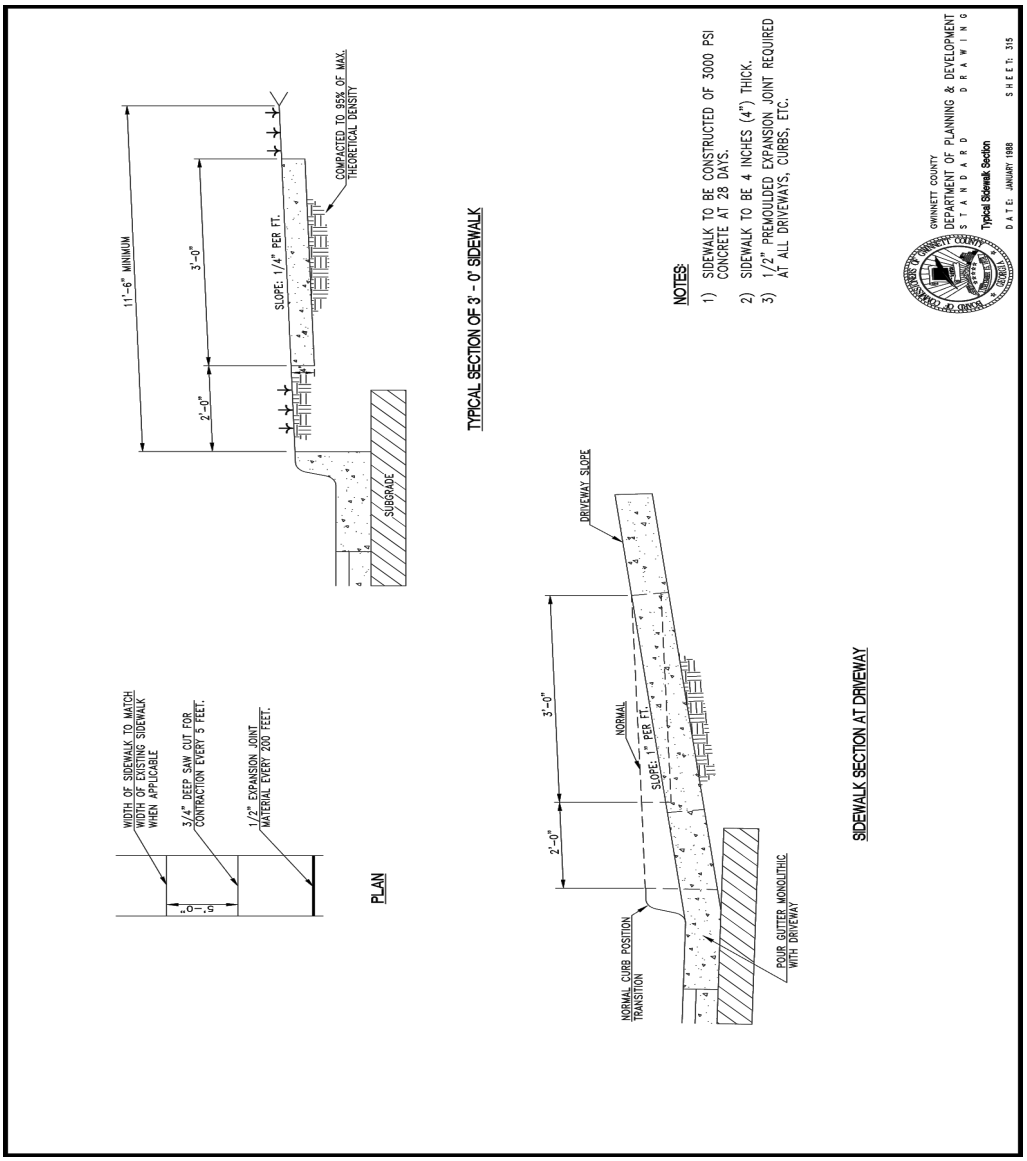

DRIVEWAY DETAIL 3 – 32 FT. WIDTH, 40 FT. RADIUS
CENTERLINE
EDGE OF PAVEMENT
RIGHT-OF-WAY
40'R
40'R
32 FEET
BACK OF CURB
TO BACK OF CURB
*TYPICAL 26 FEET
CENTERLINE TO
BACK OF CURB
40 FT. MINIMUM
PRIVATE DRIVE/ENTRANCE
1. 28 FT. OF PAVEMENT WIDTH
2. 8" X 24" X 14" @ 3000 PSI CURB AND GUTTER
3. 40 FOOT RADII ON CURBS
* ADDITIONAL WIDENING MAY BE REQUIRED
INDUSTRIAL SITES
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Driveway Detail No. 3
DATE: JANUARY 1988
SHEET: 310

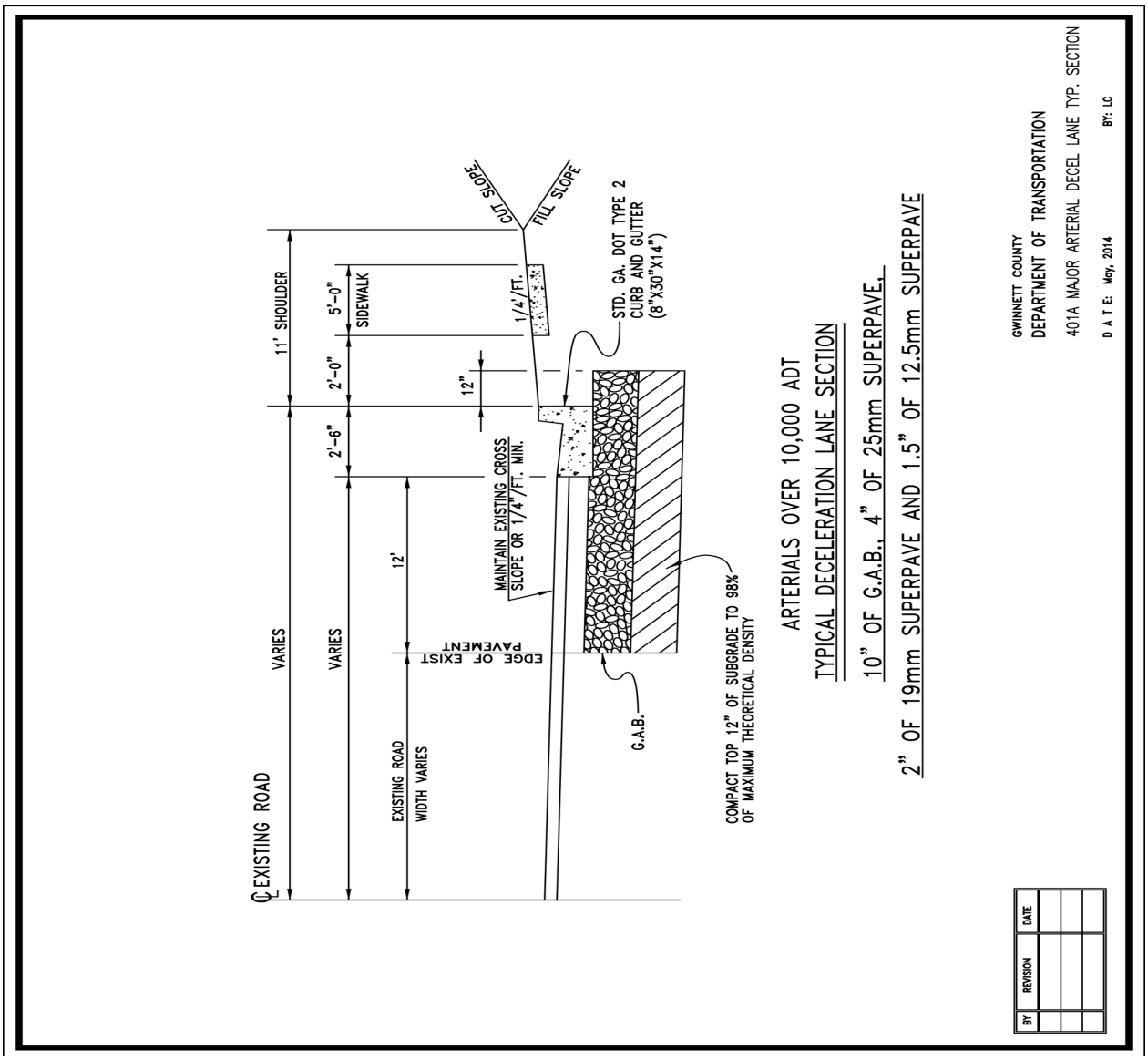

DRIVEWAY DETAIL 4 – (OPTIONAL)
PRIVATE COMMERCIAL OR OFFICE STREET ENTRANCES
APARTMENT/CONDO COMPLEXES (OVER 200 UNITS)
MOBILE HOME COMPLEXES (OVER 200 LOTS)
CENTERLINE
2'(MIN)
TURF OR PAVEMENT
EDGE OF PAVEMENT
RIGHT-OF-WAY
30'R
TURN ISLAND OPTIONAL
30 FT. TO 50 FT.
4 FT. TO 10 FT.
55 FT.
18 FT. MINIMUM BOC TO BOC
28 FT. MAXIMUM BOC TO BOC
20 FEET BOC TO BOC
40 FT. MINIMUM
TYPICAL 26 FEET CENTERLINE TO BACK OF CURB
NOTES:
1. PRIVATE COMMERCIAL STREET MUST HAVE A MINIMUM LENGTH OF 300 FEET IN ORDER FOR THIS DRIVEWAY DETAIL TO BE APPLICABLE
2. INSIDE OF ISLAND TO BE BACKFILLED WITH PORTLAND CEMENT CONCRETE (4" THICK), OR GRASSED, OR PLANTED WITH VEGETATION NOT EXCEEDING TWENTY-FOUR (24) INCHES IN HEIGHT.
3. DEVELOPER TO MAINTAIN THE GRASSED OR PLANTED ISLANDS.
*ADDITIONAL WIDENING MAY BE REQUIRED
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Driveway Detail No. 4
DATE: JANUARY 1988
SHEET: 311

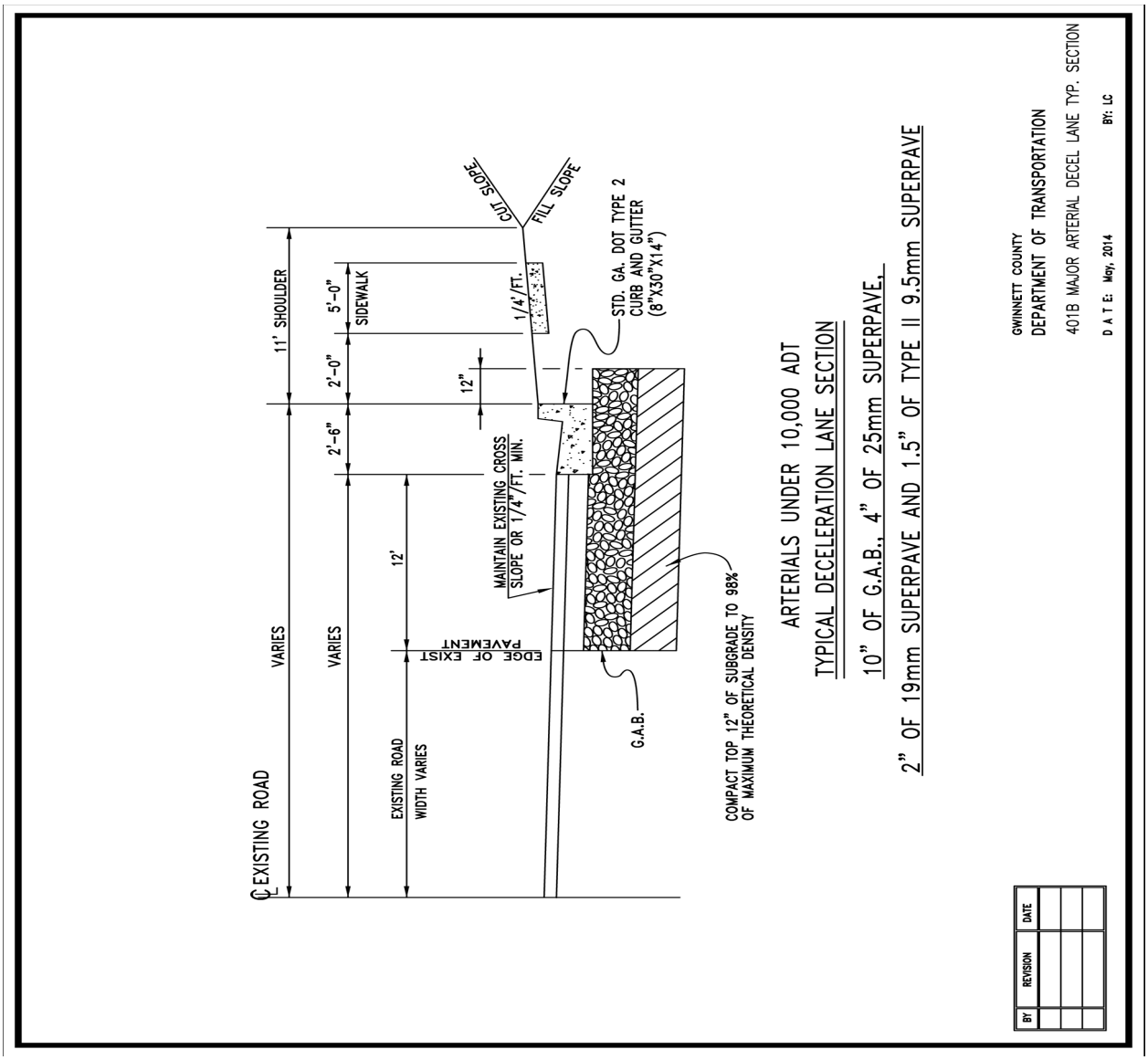

GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Residential Driveway Entrance with Sidewalk
DATE: JANUARY 1988
SHEET: 312
VARIABLE, NOT TO EXCEED 25 FT.
MINIMUM OF 10 FT.
WARP 4" CONCRETE SIDEWALK TO DRIVEWAY GRADE
4" CONCRETE
5'-0" RADIUS
6" CONCRETE ENTRANCE
MONOLITHIC
BACK EDGE OF SIDEWALK
5'-0" RADIUS
TRANSITION CURB
CURB & GUTTER FOR ENTRANCE
REMOVE EXISTING CONCRETE CURB AND GUTTER BETWEEN THESE LIMITS AND REPOUR MONOLITHIC WITH DRIVEWAY
1/2" PREMOLDED EXPANSION JOINT
1/2" PREMOLDED EXPANSION JOINT
2'-0"
2'-0"
3'-0"
3'-0"
2'-0"
6"
1'-6"
1'-9"
A
A
ALL CONCRETE SHALL BE 3000 PSI
PLAN
MINIMUM 4"
SLOPE 1" PER FT.
SIDEWALK
SECTION A-A

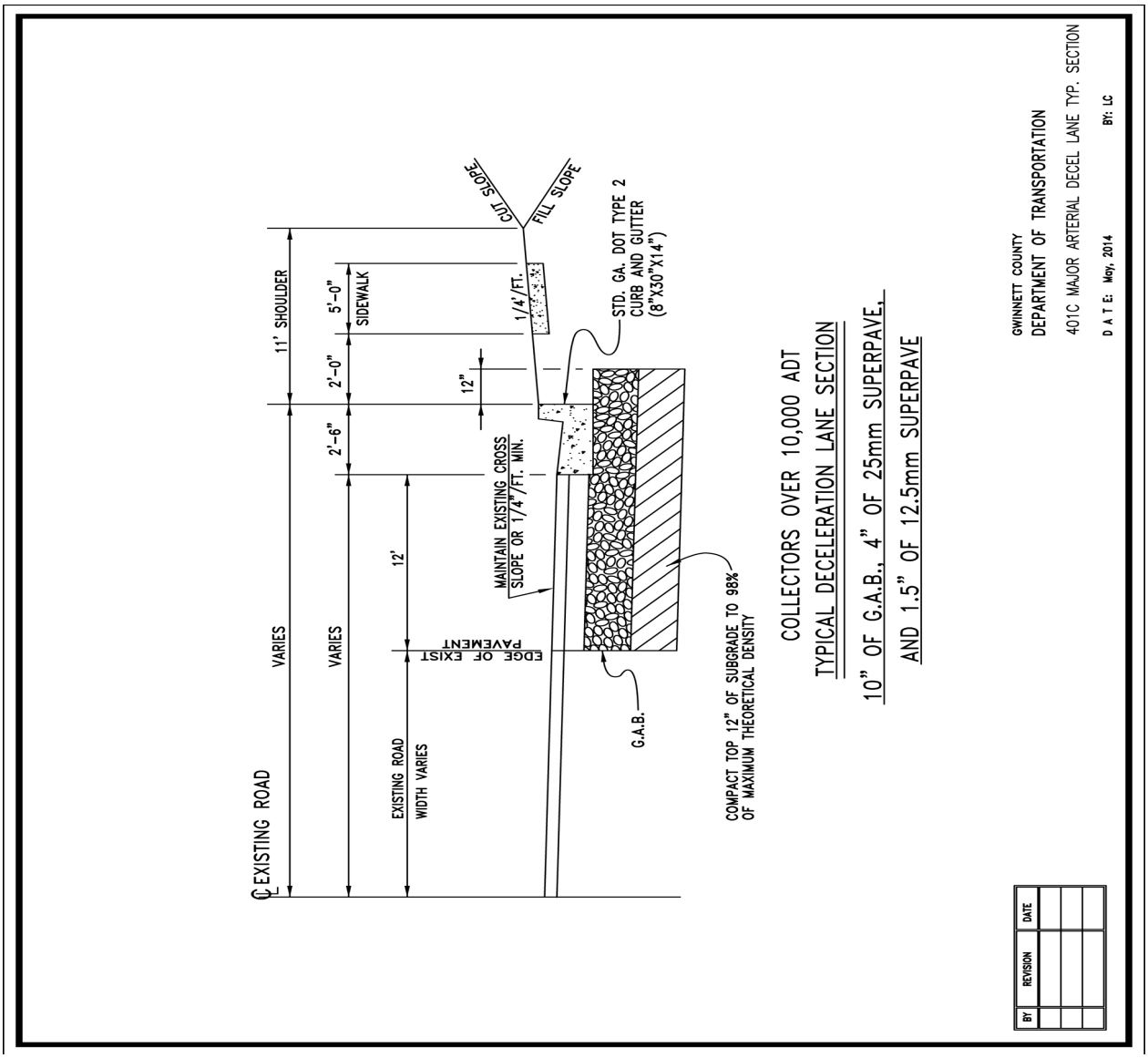

GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Commercial and Industrial Driveways
DATE: JANUARY 1988
SHEET: 313
* SEE DRIVEWAY DETAILS FOR WIDTH AND RADIUS
RADIUS*
WIDTH*
MONOLITHIC POUR OF SLAB & CURB
RIGHT-OF-WAY
CURB & GUTTER
DUMMY JOINT
12' MIN.
GUTTER SLOPE TO BE CONTINUED ACROSS DRIVEWAY
ORIGINAL CURB AND GUTTER TO BE REMOVED. ASPHALT TO BE PATCHED AS REQUIRED.
PLAN
SLOPE RANGE 1/2" TO 1" PER FOOT TO RIGHT-OF-WAY
10'
MAX. SLOPE 2-1/2" PER FT.
MAX. SLOPE 1-1/2" PER FT.
PAVING & CURB AS DIRECTED BY THE PROPERTY OWNER
R/W
CURB AND GUTTER
SLOPE 1" PER FOOT TOP OF 6" CURB
6" OR 8" 3000 PSI CONCRETE
6" GRADED AGGREGATE BASE
NOTE: #4 6X6 WIRE REQUIRED ON INDUSTRIAL DRIVES IF 8", = NO WIRE
SECTION A-A

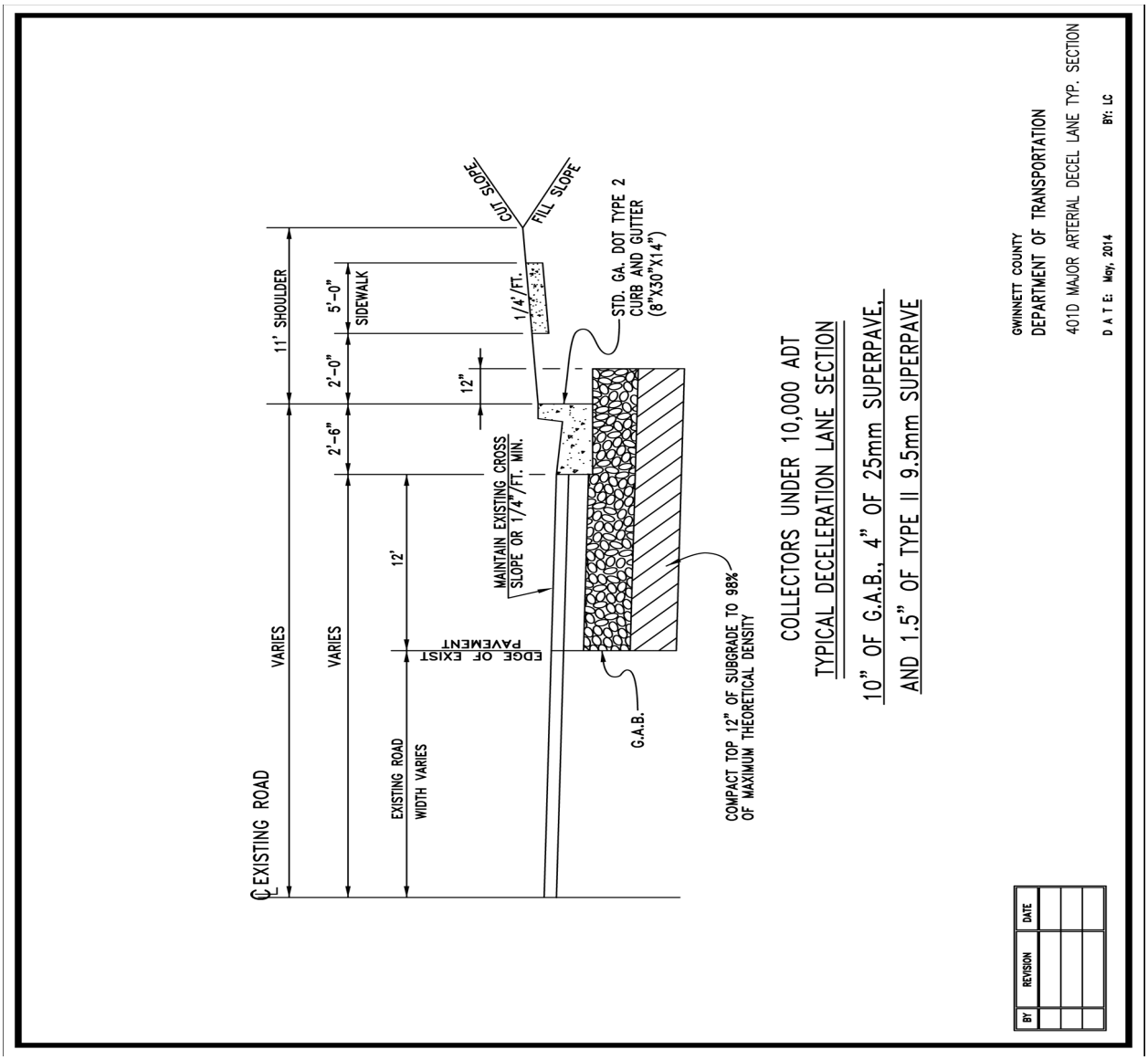

NOTE: DETAILS NOT SHOWN FOR MODIFIED DRIVES WILL BE SIMILAR TO THAT SHOWN FOR STANDARD DRIVEWAYS AT BOTTOM.
NOTE: DRIVES WILL NOT BE SKEWED EXCEPT WHERE PERPENDICULAR ALIGNMENT IS NOT FEASIBLE.
TRIANGLE ABC (SHOWN) OCCURS ONLY WITH CONCRETE SIDEWALK
PICTORIAL SECTION
NO CONCRETE SIDEWALK
PICTORIAL SECTION
DRIVE & CONCRETE SIDEWALK
SECTION E-E
SECTION F-F
DRIVE ENTRANCE MODIFIED FOR SKEW
PLAN
SECTION D-D
DRIVE MODIFIED FOR HEADER OR INTEGRAL CURB ALONG ROADWAY
GENERAL NOTES:
SECTION WITH ASPHALT PAVING
CURB ISLAND
SECTION C-C
(SPECIAL CASE FOR SECTION B-B OR SECTION C-C)
WHERE THE SHOULDER OR SIDEWALK IS SLOPED AWAY FROM THE ROAD.
SECTION B-B
SECTION THRU GUTTER
DOWELED CURB DETAIL
SECTION A-A
HALF SECTION
PLAN
RESIDENTIAL, COMMERCIAL OR NON-COMMERCIAL DRIVE
HALF SECTION
PLAN
DRIVEWAY WITH CURB ISLAND
(Shown Adjacent to Existing Paved Parking Area)
MAXIMUM DRIVEWAY GRADES (SEE GENERAL NOTE NO. 7)
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Driveways with Tapered Entrances
Concrete Valley Gutters
DATE: JANUARY 1988
SHEET: 314

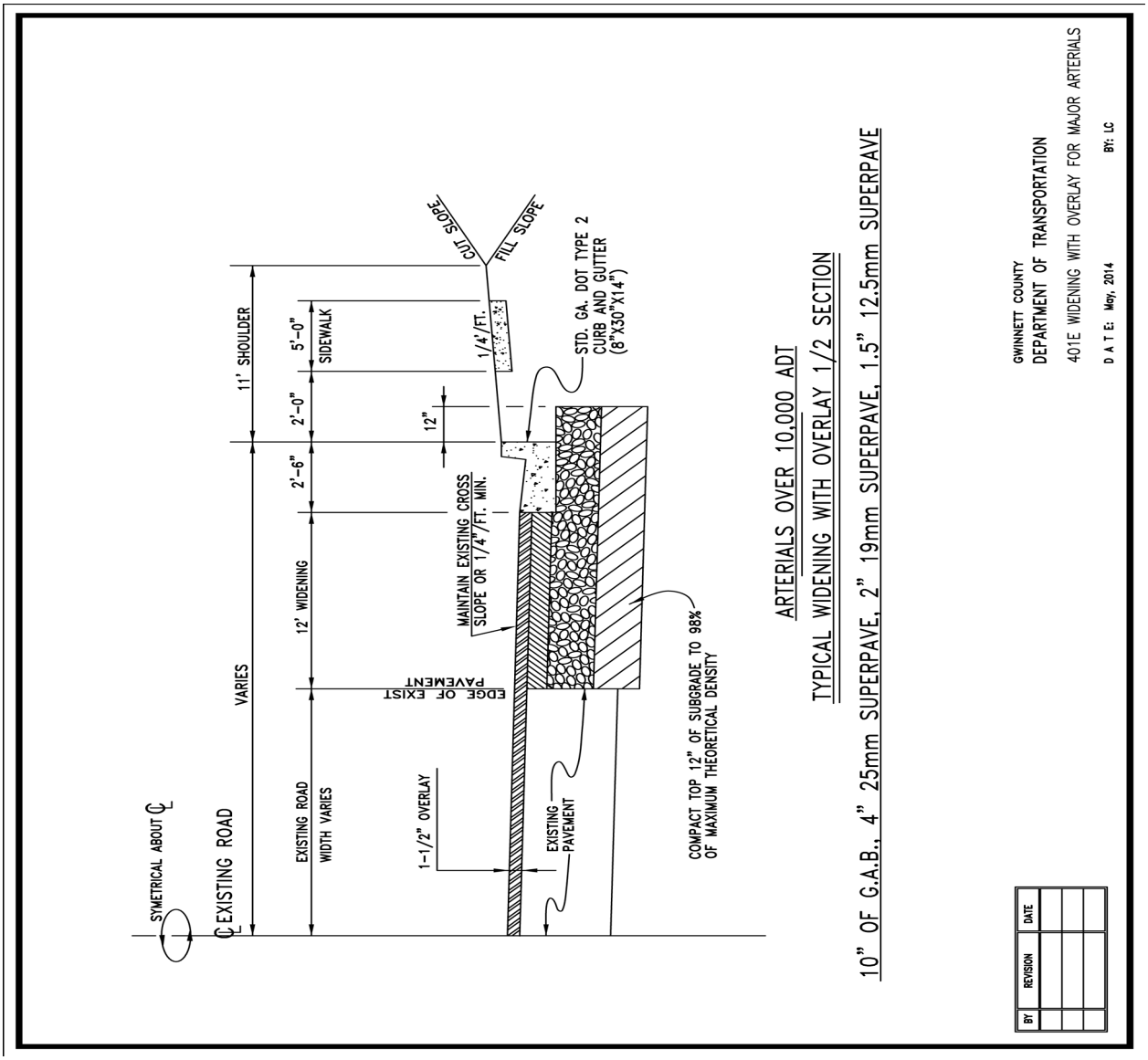

11'-6" MINIMUM
3'-0"
2'-0"
SLOPE: 1/4" PER FT.
COMPACTED TO 95% OF MAX. THEORETICAL DENSITY
SUBGRADE
TYPICAL SECTION OF 3' - 0" SIDEWALK
WIDTH OF SIDEWALK TO MATCH WIDTH OF EXISTING SIDEWALK WHEN APPLICABLE
3/4" DEEP SAW CUT FOR CONTRACTION EVERY 5 FEET.
1/2" EXPANSION JOINT MATERIAL EVERY 200 FEET.
5'-0"
PLAN
NOTES
1) SIDEWALK TO BE CONSTRUCTED OF 3000 PSI CONCRETE AT 28 DAYS.
2) SIDEWALK TO BE 4 INCHES (4") THICK.
3) 1/2" PREMOULDED EXPANSION JOINT REQUIRED AT ALL DRIVEWAYS, CURBS, ETC.
DRIVEWAY SLOPE
3'-0"
2'-0"
NORMAL SLOPE: 1" PER FT.
NORMAL CURB POSITION TRANSITION
POUR GUTTER MONOLITHIC WITH DRIVEWAY
SIDEWALK SECTION AT DRIVEWAY
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Typical Sidewalk Section
DATE: JANUARY 1988
SHEET: 315

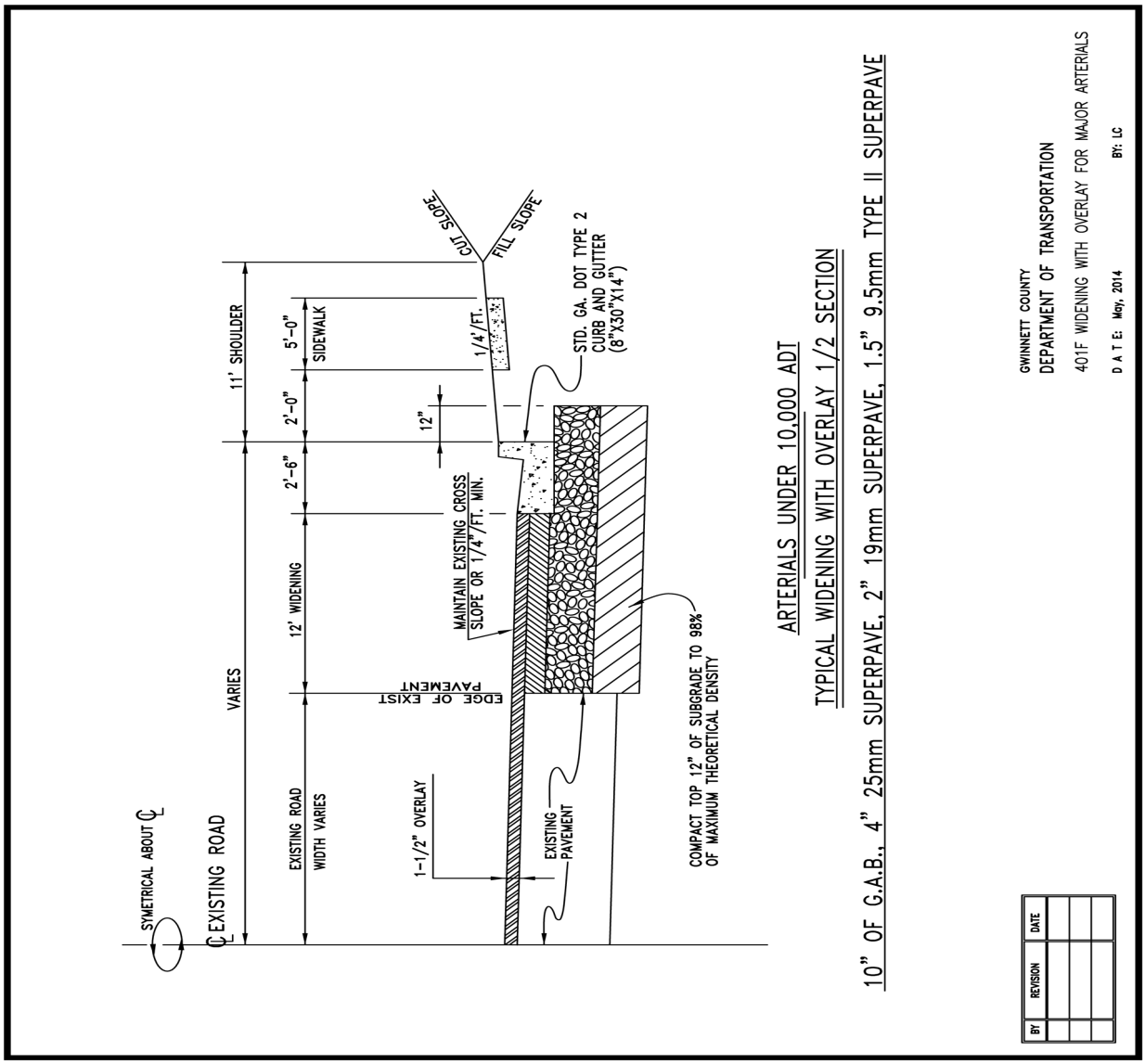

GWINNETT COUNTY
DEPARTMENT OF TRANSPORTATION
401A MAJOR ARTERIAL DECEL LANE TYP. SECTION
D A T E: May, 2014
BY: LC
ARTERIALS OVER 10,000 ADT
TYPICAL DECELERATION LANE SECTION
10" OF G.A.B., 4" OF 25mm SUPERPAVE,
2" OF 19mm SUPERPAVE AND 1.5" OF 12.5mm SUPERPAVE
℄ EXISTING ROAD
11' SHOULDER
5'-0" SIDEWALK
2'-0"
2'-6"
VARIES
VARIES
12'
EXISTING ROAD WIDTH VARIES
EDGE OF EXIST PAVEMENT
MAINTAIN EXISTING CROSS SLOPE OR 1/4"/FT. MIN.
12"
1/4'/FT.
CUT SLOPE
FILL SLOPE
STD. GA. DOT TYPE 2 CURB AND GUTTER (8"X30"X14")
G.A.B.
COMPACT TOP 12" OF SUBGRADE TO 98% OF MAXIMUM THEORETICAL DENSITY
BY
REVISION
DATE

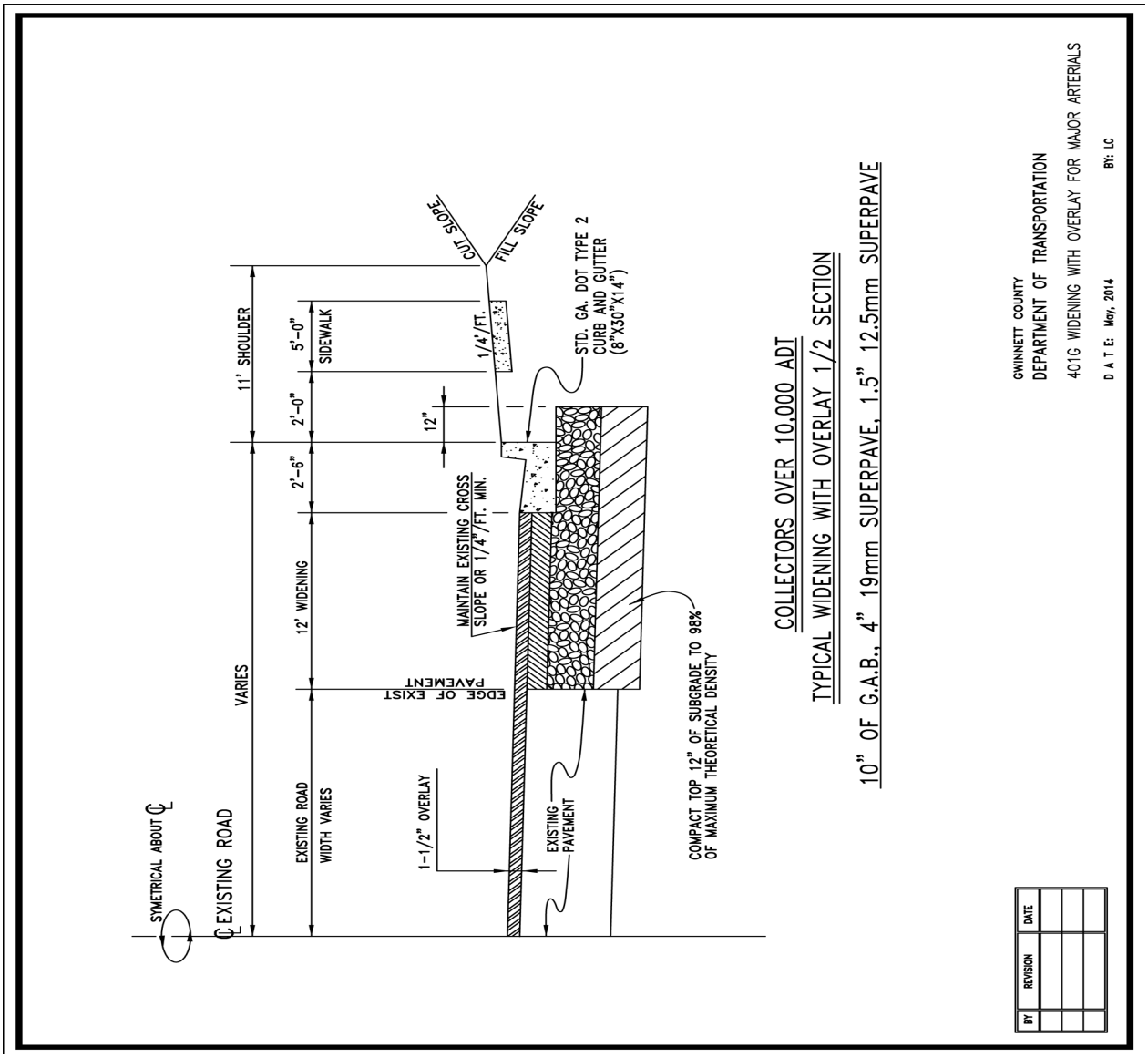

℄ EXISTING ROAD
VARIES
VARIES
11' SHOULDER
2'-6"
2'-0"
5'-0"
SIDEWALK
12"
12'
EXISTING ROAD
WIDTH VARIES
EDGE OF EXIST PAVEMENT
MAINTAIN EXISTING CROSS SLOPE OR 1/4"/FT. MIN.
1/4'/FT.
CUT SLOPE
FILL SLOPE
STD. GA. DOT TYPE 2 CURB AND GUTTER (8"X30"X14")
G.A.B.
COMPACT TOP 12" OF SUBGRADE TO 98% OF MAXIMUM THEORETICAL DENSITY
ARTERIALS UNDER 10,000 ADT
TYPICAL DECELERATION LANE SECTION
10" OF G.A.B., 4" OF 25mm SUPERPAVE,
2" OF 19mm SUPERPAVE AND 1.5" OF TYPE II 9.5mm SUPERPAVE
GWINNETT COUNTY
DEPARTMENT OF TRANSPORTATION
401B MAJOR ARTERIAL DECEL LANE TYP. SECTION
D A T E: May, 2014
BY: LC
BY
REVISION
DATE

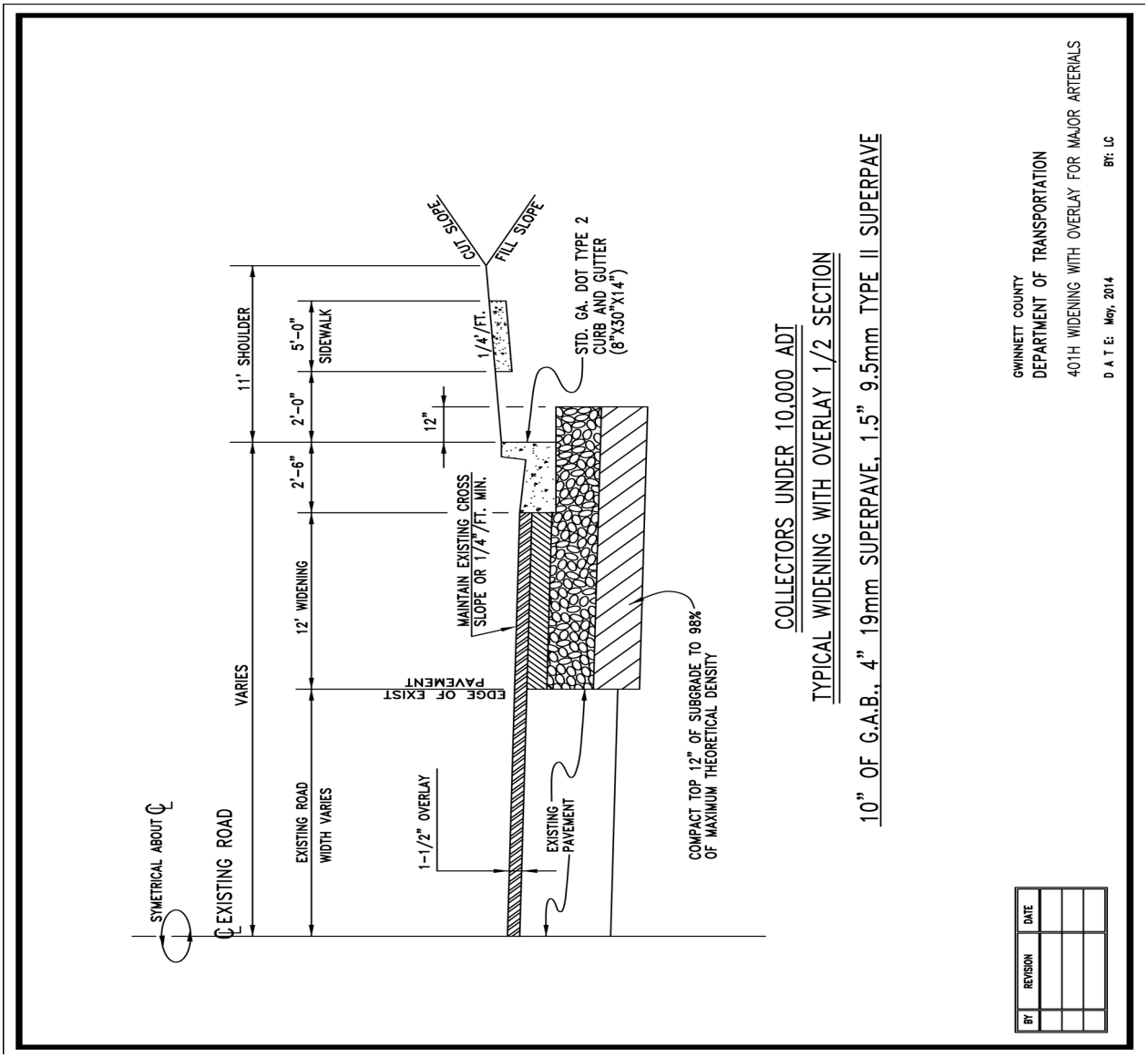

GWINNETT COUNTY
DEPARTMENT OF TRANSPORTATION
401C MAJOR ARTERIAL DECEL LANE TYP. SECTION
D A T E: May, 2014
BY: LC
COLLECTORS OVER 10,000 ADT
TYPICAL DECELERATION LANE SECTION
10" OF G.A.B., 4" OF 25mm SUPERPAVE,
AND 1.5" OF 12.5mm SUPERPAVE
℄ EXISTING ROAD
VARIES
VARIES
11' SHOULDER
5'-0"
SIDEWALK
2'-0"
2'-6"
12'
EXISTING ROAD
WIDTH VARIES
EDGE OF EXIST PAVEMENT
MAINTAIN EXISTING CROSS SLOPE OR 1/4"/FT. MIN.
12"
1/4'/FT.
CUT SLOPE
FILL SLOPE
STD. GA. DOT TYPE 2
CURB AND GUTTER
(8"X30"X14")
G.A.B.
COMPACT TOP 12" OF SUBGRADE TO 98%
OF MAXIMUM THEORETICAL DENSITY
BY
REVISION
DATE

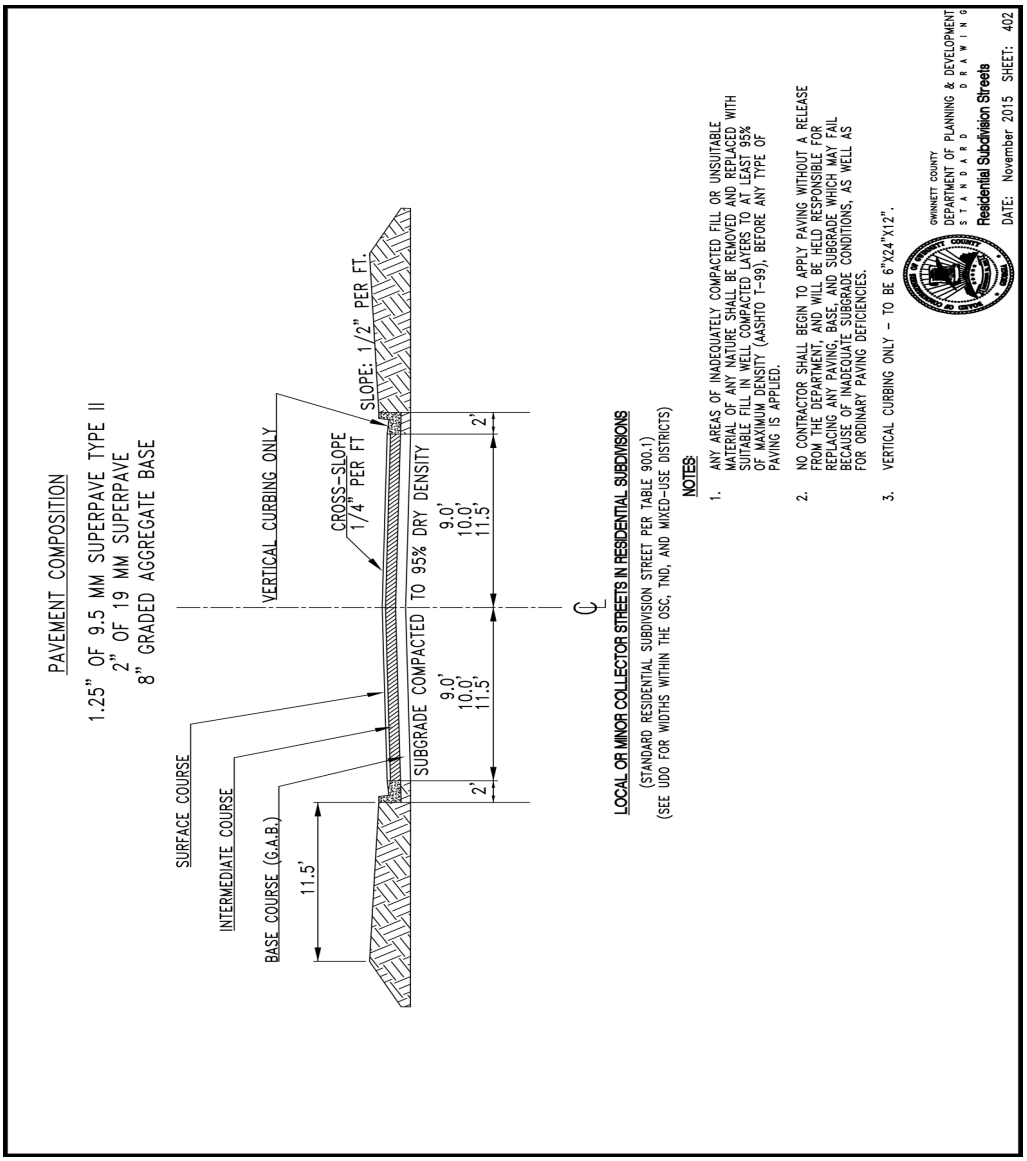

GWINNETT COUNTY
DEPARTMENT OF TRANSPORTATION
401D MAJOR ARTERIAL DECEL LANE TYP. SECTION
D A T E: May, 2014
BY: LC
COLLECTORS UNDER 10,000 ADT
TYPICAL DECELERATION LANE SECTION
10" OF G.A.B., 4" OF 25mm SUPERPAVE,
AND 1.5" OF TYPE II 9.5mm SUPERPAVE
℄ EXISTING ROAD
VARIES
VARIES
11' SHOULDER
5'-0"
SIDEWALK
2'-0"
2'-6"
12"
12'
EXISTING ROAD
WIDTH VARIES
EDGE OF EXIST PAVEMENT
MAINTAIN EXISTING CROSS SLOPE OR 1/4"/FT. MIN.
1/4'/FT.
CUT SLOPE
FILL SLOPE
STD. GA. DOT TYPE 2
CURB AND GUTTER
(8"X30"X14")
G.A.B.
COMPACT TOP 12" OF SUBGRADE TO 98%
OF MAXIMUM THEORETICAL DENSITY
BY
REVISION
DATE


SYMETRICAL ABOUT ℄
℄ EXISTING ROAD
VARIES
EXISTING ROAD WIDTH VARIES
12' WIDENING
EDGE OF EXIST PAVEMENT
1-1/2" OVERLAY
EXISTING PAVEMENT
MAINTAIN EXISTING CROSS SLOPE OR 1/4"/FT. MIN.
COMPACT TOP 12" OF SUBGRADE TO 98% OF MAXIMUM THEORETICAL DENSITY
11' SHOULDER
2'-6"
2'-0"
12"
5'-0"
SIDEWALK
1/4'/FT.
CUT SLOPE
FILL SLOPE
STD. GA. DOT TYPE 2 CURB AND GUTTER (8"X30"X14")
ARTERIALS OVER 10,000 ADT
TYPICAL WIDENING WITH OVERLAY 1/2 SECTION
10" OF G.A.B., 4" 25mm SUPERPAVE, 2" 19mm SUPERPAVE, 1.5" 12.5mm SUPERPAVE
GWINNETT COUNTY
DEPARTMENT OF TRANSPORTATION
401E WIDENING WITH OVERLAY FOR MAJOR ARTERIALS
D A T E: May, 2014
BY: LC
BY
REVISION
DATE


SYMETRICAL ABOUT ℄
℄ EXISTING ROAD
VARIES
EXISTING ROAD WIDTH VARIES
12' WIDENING
EDGE OF EXIST PAVEMENT
1-1/2" OVERLAY
EXISTING PAVEMENT
MAINTAIN EXISTING CROSS SLOPE OR 1/4"/FT. MIN.
2'-6"
2'-0"
12"
11' SHOULDER
5'-0" SIDEWALK
1/4'/FT.
CUT SLOPE
FILL SLOPE
STD. GA. DOT TYPE 2 CURB AND GUTTER (8"X30"X14")
COMPACT TOP 12" OF SUBGRADE TO 98% OF MAXIMUM THEORETICAL DENSITY
ARTERIALS UNDER 10,000 ADT
TYPICAL WIDENING WITH OVERLAY 1/2 SECTION
10" OF G.A.B., 4" 25mm SUPERPAVE, 2" 19mm SUPERPAVE, 1.5" 9.5mm TYPE II SUPERPAVE
BY
REVISION
DATE
GWINNETT COUNTY
DEPARTMENT OF TRANSPORTATION
401F WIDENING WITH OVERLAY FOR MAJOR ARTERIALS
D A T E: May, 2014
BY: LC


SYMETRICAL ABOUT ℄
℄ EXISTING ROAD
EXISTING ROAD WIDTH VARIES
VARIES
12' WIDENING
EDGE OF EXIST PAVEMENT
1-1/2" OVERLAY
EXISTING PAVEMENT
MAINTAIN EXISTING CROSS SLOPE OR 1/4"/FT. MIN.
COMPACT TOP 12" OF SUBGRADE TO 98% OF MAXIMUM THEORETICAL DENSITY
11' SHOULDER
2'-6"
2'-0"
12"
5'-0"
SIDEWALK
1/4'/FT.
CUT SLOPE
FILL SLOPE
STD. GA. DOT TYPE 2 CURB AND GUTTER (8"X30"X14")
COLLECTORS OVER 10,000 ADT
TYPICAL WIDENING WITH OVERLAY 1/2 SECTION
10" OF G.A.B., 4" 19mm SUPERPAVE, 1.5" 12.5mm SUPERPAVE
GWINNETT COUNTY
DEPARTMENT OF TRANSPORTATION
401G WIDENING WITH OVERLAY FOR MAJOR ARTERIALS
D A T E: May, 2014
BY: LC
BY
REVISION
DATE


SYMETRICAL ABOUT ℄
℄ EXISTING ROAD
EXISTING ROAD WIDTH VARIES
VARIES
1-1/2" OVERLAY
12' WIDENING
EDGE OF EXIST PAVEMENT
EXISTING PAVEMENT
MAINTAIN EXISTING CROSS SLOPE OR 1/4"/FT. MIN.
2'-6"
12"
2'-0"
5'-0"
SIDEWALK
11' SHOULDER
1/4'/FT.
CUT SLOPE
FILL SLOPE
STD. GA. DOT TYPE 2 CURB AND GUTTER (8"X30"X14")
COMPACT TOP 12" OF SUBGRADE TO 98% OF MAXIMUM THEORETICAL DENSITY
COLLECTORS UNDER 10,000 ADT
TYPICAL WIDENING WITH OVERLAY 1/2 SECTION
10" OF G.A.B., 4" 19mm SUPERPAVE, 1.5" 9.5mm TYPE II SUPERPAVE
GWINNETT COUNTY
DEPARTMENT OF TRANSPORTATION
401H WIDENING WITH OVERLAY FOR MAJOR ARTERIALS
DATE: May, 2014
BY: LC
BY
REVISION
DATE


PAVEMENT COMPOSITION
1.25" OF 9.5 MM SUPERPAVE TYPE II
2" OF 19 MM SUPERPAVE
8" GRADED AGGREGATE BASE
SURFACE COURSE
INTERMEDIATE COURSE
BASE COURSE (G.A.B.)
11.5'
VERTICAL CURBING ONLY
CROSS-SLOPE 1/4" PER FT
SLOPE: 1/2" PER FT.
SUBGRADE COMPACTED TO 95% DRY DENSITY
9.0'
10.0'
11.5'
2'
9.0'
10.0'
11.5'
2'
℄
LOCAL OR MINOR COLLECTOR STREETS IN RESIDENTIAL SUBDIVISIONS
(STANDARD RESIDENTIAL SUBDIVISION STREET PER TABLE 900.1)
(SEE UDO FOR WIDTHS WITHIN THE OSC, TND, AND MIXED-USE DISTRICTS)
NOTES:
1. ANY AREAS OF INADEQUATELY COMPACTED FILL OR UNSUITABLE MATERIAL OF ANY NATURE SHALL BE REMOVED AND REPLACED WITH SUITABLE FILL IN WELL COMPACTED LAYERS TO AT LEAST 95% OF MAXIMUM DENSITY (AASHTO T-99), BEFORE ANY TYPE OF PAVING IS APPLIED.
2. NO CONTRACTOR SHALL BEGIN TO APPLY PAVING WITHOUT A RELEASE FROM THE DEPARTMENT, AND WILL BE HELD RESPONSIBLE FOR REPLACING ANY PAVING, BASE, AND SUBGRADE WHICH MAY FAIL BECAUSE OF INADEQUATE SUBGRADE CONDITIONS, AS WELL AS FOR ORDINARY PAVING DEFICIENCIES.
3. VERTICAL CURBING ONLY - TO BE 6"X24"X12".
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Residential Subdivision Streets
DATE: November 2015 SHEET: 402

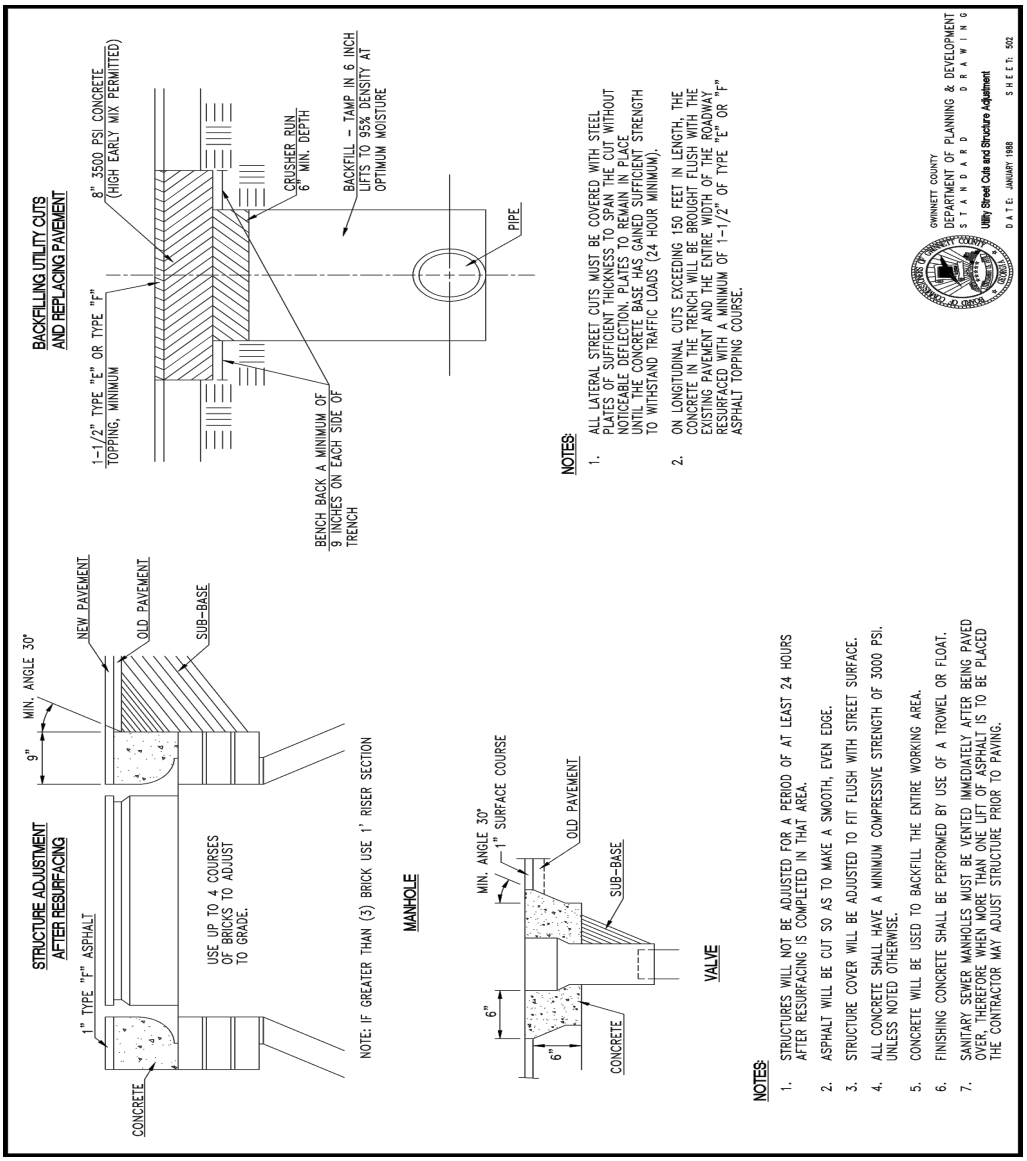
NOTES:

1. THIS STANDARD DETAIL IS TO BE USED FOR UTILITY LOCATIONS WITHIN RIGHT-OF-WAY OF SUBDIVISIONS ONLY.
2. BEFORE ANY UTILITY IS INSTALLED, THE ENTIRE WIDTH OF THE RIGHT-OF-WAY SHALL BE ROUGH GRADED. SEE DEVELOPMENT REGULATIONS FOR TIMING OF WATER SYSTEM INSTALLATION.
3. IN GENERAL, THE DEEPEST UTILITIES SHOULD BE INSTALLED FIRST TO MINIMIZE ANY POSSIBLE INTERFERENCE WITH LATERALS OR SERVICE LINES.
4. IN CUL-DE-SAC OR EYEBROW TURNAROUNDS, THE DIMENSIONS FROM THE CURB SHALL VARY; HOWEVER, THE STANDARD UTILITY SPACING SHALL BE MAINTAINED.
5. BACKFILL OF ALL UTILITY TRENCHES CONSTRUCTED IN THE ROADWAY SHOULDER SHALL BE RETURNED TO 90% COMPACTION.
6. EACH UTILITY SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE THEY CREATE TO OTHER UTILITY LINES, OR TO THE STREET IMPROVEMENTS WITHIN THE RIGHT-OF-WAY. NO UTILITY SHALL BE RESPONSIBLE FOR DAMAGES TO ANOTHER UTILITY WHICH IS LOCATED OUTSIDE THEIR ASSIGNED SPACE.
7. ANYONE DIGGING IN THE RIGHT-OF-WAY SHALL CALL THE "ONE CALL CENTER" AT 325-5000 TO HAVE UTILITIES LOCATED.
8. ONCE THE ROAD BASE HAS BEEN PLACED, ALL FURTHER INSTALLATION OF UTILITIES UNDER THE ROADWAY SHALL BE BORED OR OTHERWISE COMPLY WITH THE STREET CUT REQUIREMENTS OF SECTION 7.5 OF THE DEVELOPMENT REGULATIONS.

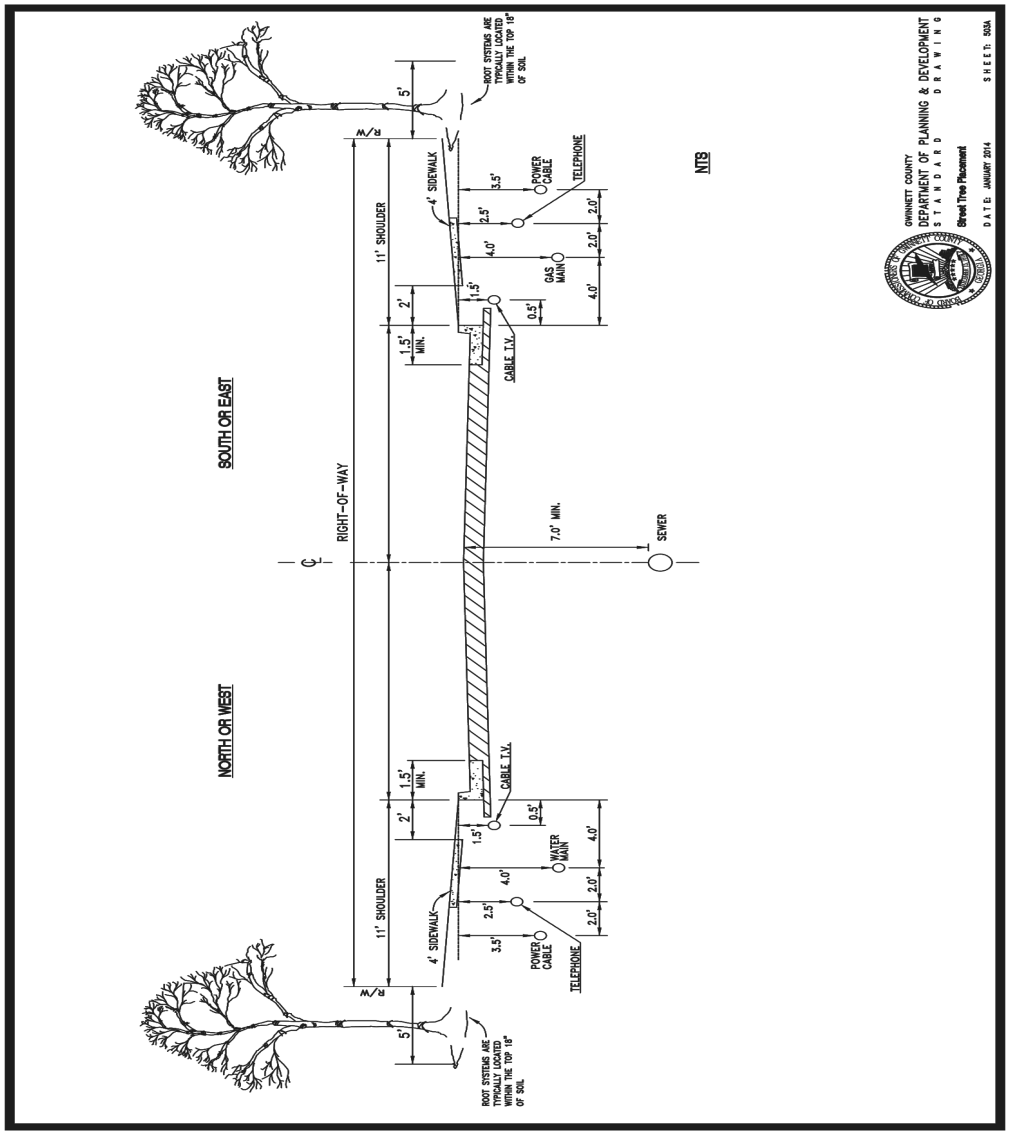
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING

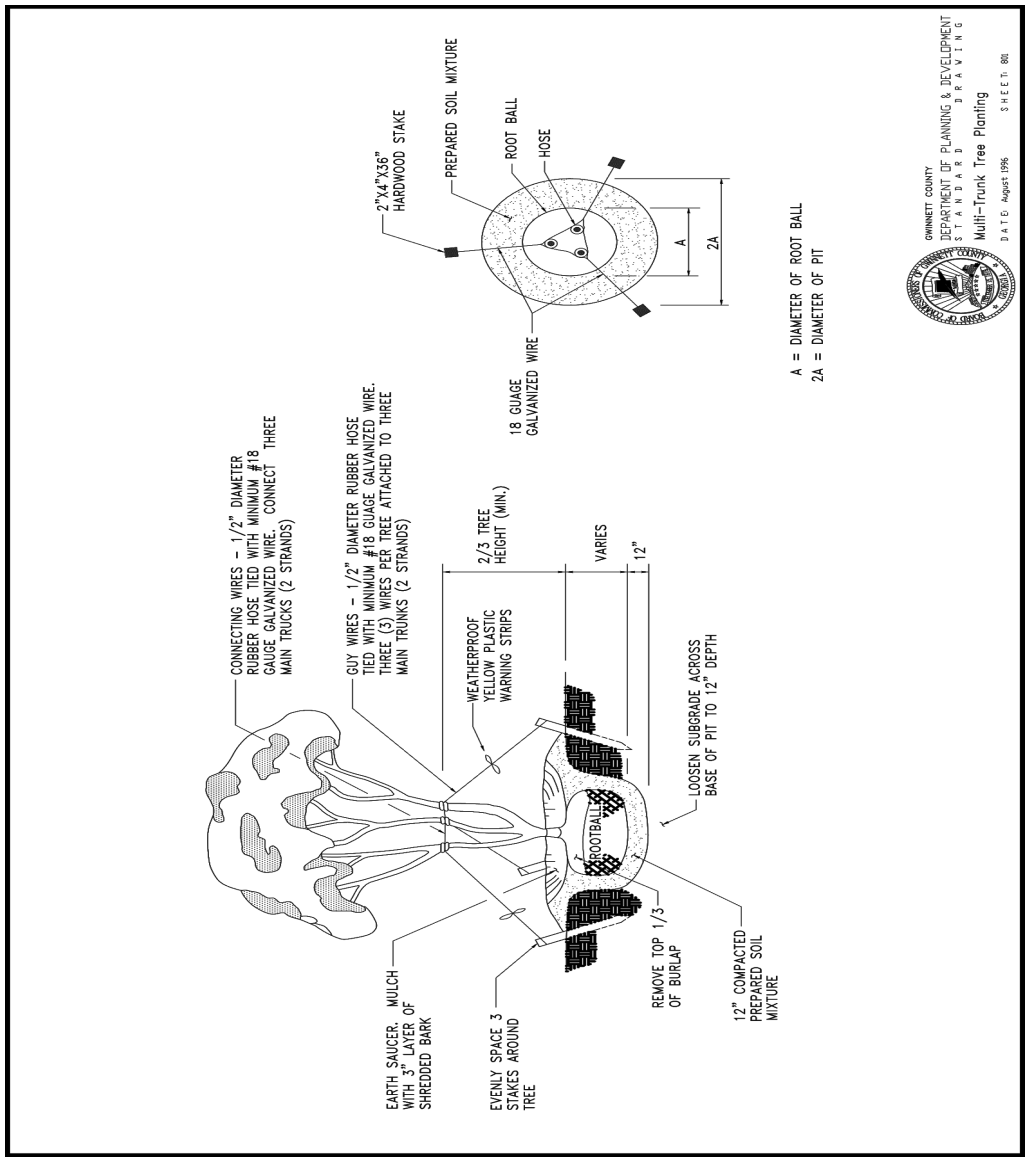
Utility Placement in Right-of-Way

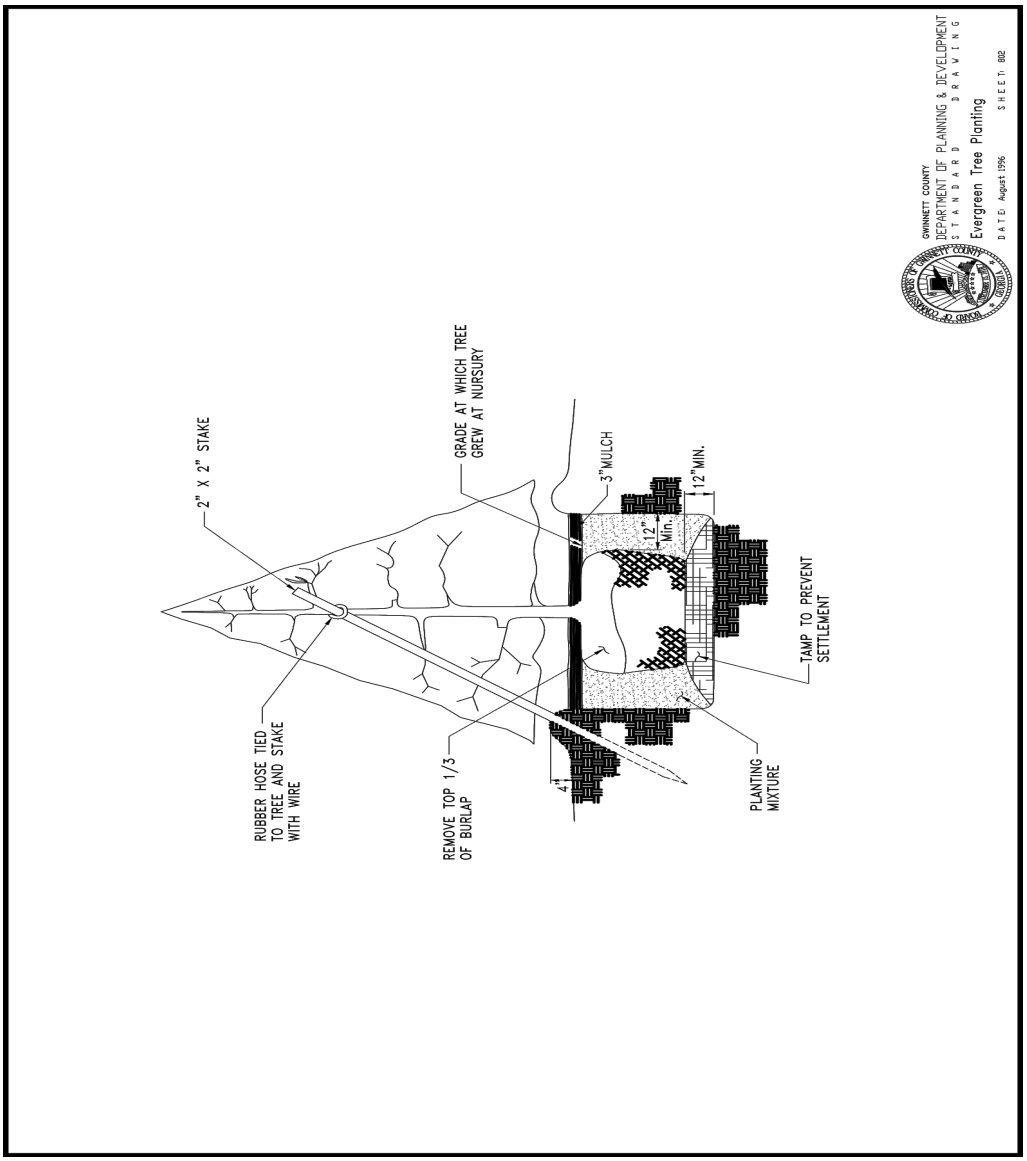
DATE: SEPTEMBER 1993 SHEET: 501

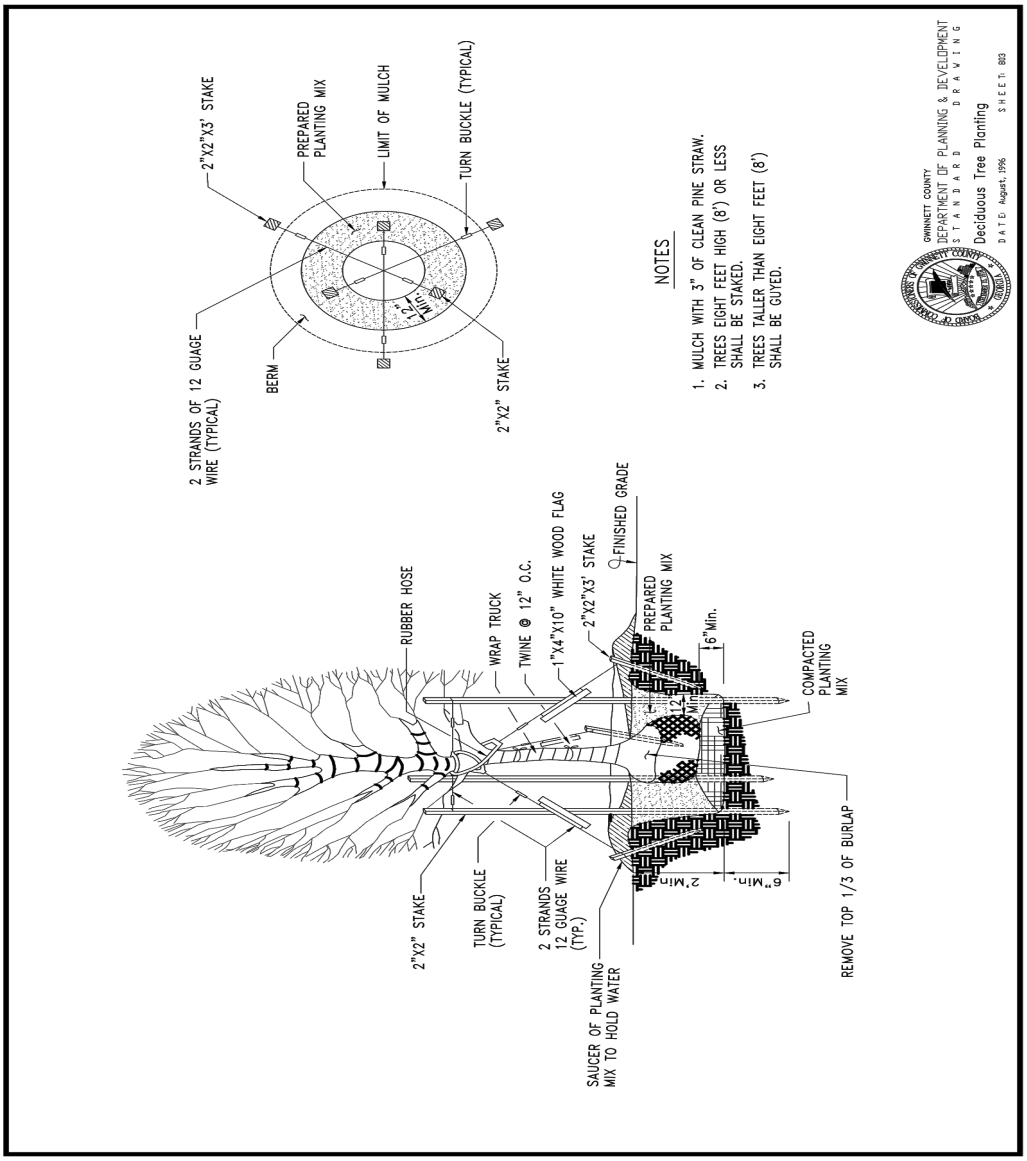

STRUCTURE ADJUSTMENT
AFTER RESURFACING
1" TYPE "F" ASPHALT
9"
MIN. ANGLE 30°
NEW PAVEMENT
OLD PAVEMENT
SUB-BASE
CONCRETE
USE UP TO 4 COURSES
OF BRICKS TO ADJUST
TO GRADE.
NOTE: IF GREATER THAN (3) BRICK USE 1' RISER SECTION
MANHOLE
MIN. ANGLE 30°
1" SURFACE COURSE
OLD PAVEMENT
SUB-BASE
6"
6"
CONCRETE
VALVE
NOTES:
1. STRUCTURES WILL NOT BE ADJUSTED FOR A PERIOD OF AT LEAST 24 HOURS AFTER RESURFACING IS COMPLETED IN THAT AREA.
2. ASPHALT WILL BE CUT SO AS TO MAKE A SMOOTH, EVEN EDGE.
3. STRUCTURE COVER WILL BE ADJUSTED TO FIT FLUSH WITH STREET SURFACE.
4. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. UNLESS NOTED OTHERWISE.
5. CONCRETE WILL BE USED TO BACKFILL THE ENTIRE WORKING AREA.
6. FINISHING CONCRETE SHALL BE PERFORMED BY USE OF A TROWEL OR FLOAT.
7. SANITARY SEWER MANHOLES MUST BE VENTED IMMEDIATELY AFTER BEING PAVED OVER. THEREFORE WHEN MORE THAN ONE LIFT OF ASPHALT IS TO BE PLACED THE CONTRACTOR MAY ADJUST STRUCTURE PRIOR TO PAVING.
BACKFILLING UTILITY CUTS
AND REPLACING PAVEMENT
1-1/2" TYPE "E" OR TYPE "F"
TOPPING, MINIMUM
8" 3500 PSI CONCRETE
(HIGH EARLY MIX PERMITTED)
CRUSHER RUN
6" MIN. DEPTH
BACKFILL - TAMP IN 6 INCH
LIFTS TO 95% DENSITY AT
OPTIMUM MOISTURE
BENCH BACK A MINIMUM OF
9 INCHES ON EACH SIDE OF
TRENCH
PIPE
NOTES:
1. ALL LATERAL STREET CUTS MUST BE COVERED WITH STEEL PLATES OF SUFFICIENT THICKNESS TO SPAN THE CUT WITHOUT NOTICEABLE DEFLECTION. PLATES TO REMAIN IN PLACE UNTIL THE CONCRETE BASE HAS GAINED SUFFICIENT STRENGTH TO WITHSTAND TRAFFIC LOADS (24 HOUR MINIMUM).
2. ON LONGITUDINAL CUTS EXCEEDING 150 FEET IN LENGTH, THE CONCRETE IN THE TRENCH WILL BE BROUGHT FLUSH WITH THE EXISTING PAVEMENT AND THE ENTIRE WIDTH OF THE ROADWAY RESURFACED WITH A MINIMUM OF 1-1/2" OF TYPE "E" OR "F" ASPHALT TOPPING COURSE.
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Utility Street Cuts and Structure Adjustment
DATE: JANUARY 1988
SHEET: 502

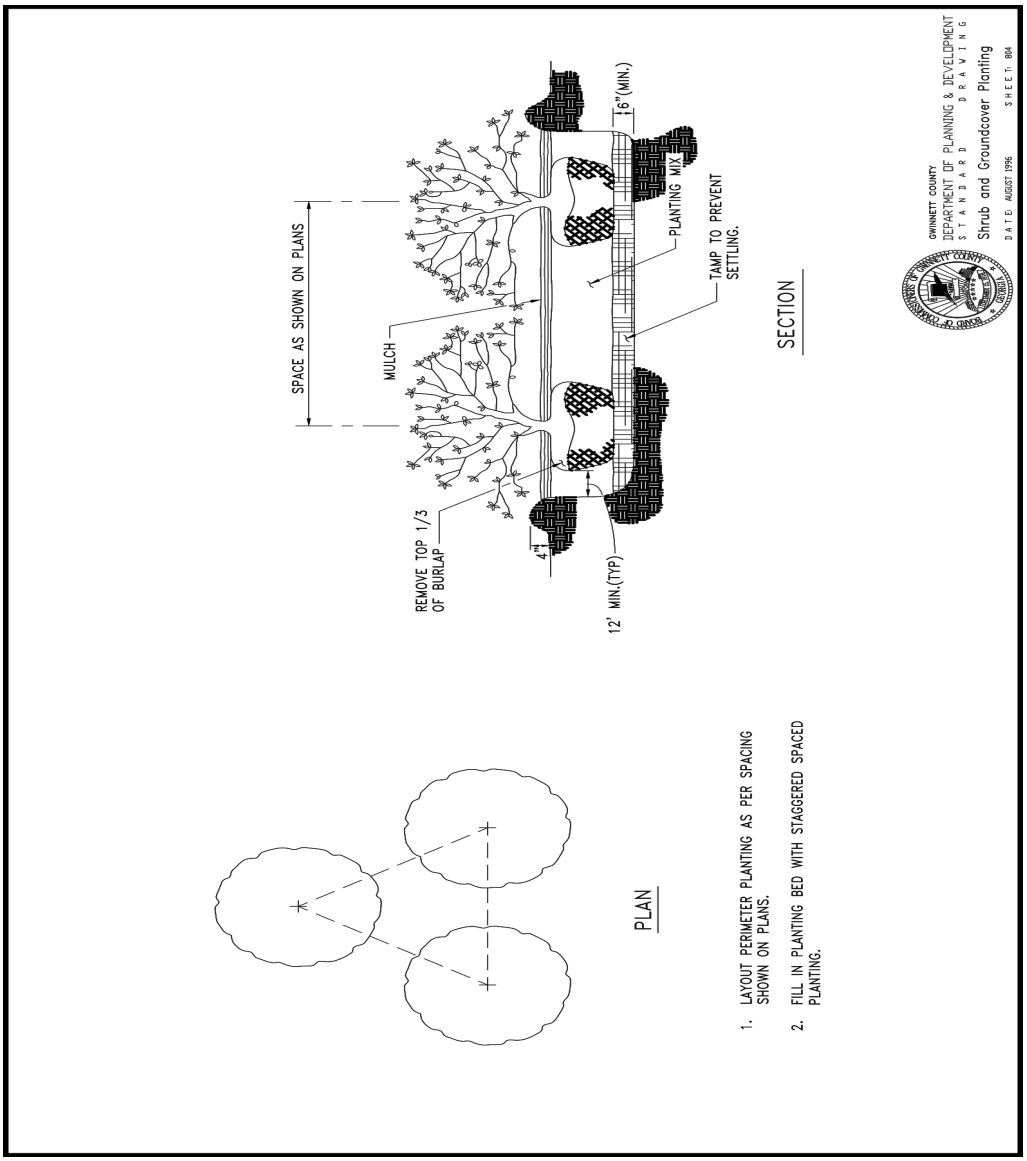
NORTH OR WEST
SOUTH OR EAST
RIGHT-OF-WAY
11' SHOULDER
4' SIDEWALK
2'
1.5' MIN.
1.5'
0.5'
CABLE T.V.
WATER MAIN
4.0'
2.5'
3.5'
POWER CABLE
TELEPHONE
2.0'
7.0' MIN.
SEWER
GAS MAIN
5.5'
NTS
NOTES:
1. THIS STANDARD DETAIL IS TO BE USED FOR UTILITY LOCATIONS WITHIN RIGHT-OF-WAY OF RESIDENTIAL SUBDIVISION DISTRICT STREETS.
2. BEFORE ANY UTILITY IS INSTALLED, THE ENTIRE WIDTH OF THE RIGHT-OF-WAY SHALL BE ROUGH GRADED. SEE DEVELOPMENT REGULATIONS FOR TIMING OF WATER SYSTEM INSTALLATION.
3. IN GENERAL, THE DEEPEST UTILITIES SHOULD BE INSTALLED FIRST TO MINIMIZE ANY POSSIBLE INTERFERENCE WITH LATERALS OR SERVICE LINES.
4. IN CUL-DE-SAC OR EYEBROW TURNAROUNDS, THE DIMENSIONS FROM THE CURB SHALL VARY. HOWEVER, THE STANDARD UTILITY SPACING SHALL BE MAINTAINED.
5. BACKFILL OF ALL UTILITY TRENCHES CONSTRUCTED IN THE ROADWAY SHOULDER SHALL BE COMPACTED TO 95% (MIN.) OF MAXIMUM DENSITY.
6. EACH UTILITY SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGE THEY CREATE TO OTHER UTILITY LINES, OR TO THE STREET IMPROVEMENTS WITHIN THE RIGHT-OF-WAY. NO UTILITY SHALL BE RESPONSIBLE FOR DAMAGES TO ANOTHER UTILITY WHICH IS LOCATED OUTSIDE THEIR ASSIGNED SPACE.
7. ANYONE DIGGING IN THE RIGHT-OF-WAY SHALL CALL THE UTILITIES PROTECTION CENTER OF GEORGIA AT 1-800-282-7411 (METRO-ATLANTA AREA: 770-623-7411) TO HAVE EXISTING UTILITIES LOCATED PRIOR TO EXCAVATION.
8. ONCE THE ROAD BASE HAS BEEN PLACED, ALL FURTHER INSTALLATION OF UTILITIES UNDER THE ROADWAY SHALL BE BORED OR OTHERWISE COMPLY WITH THE STREET CUT REQUIREMENTS OF SECTION 7.5 OF THE DEVELOPMENT REGULATIONS.
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Utility Placement in Right-of-Way of Residential Subdivision District Streets
DATE: JANUARY 2014
SHEET: 503

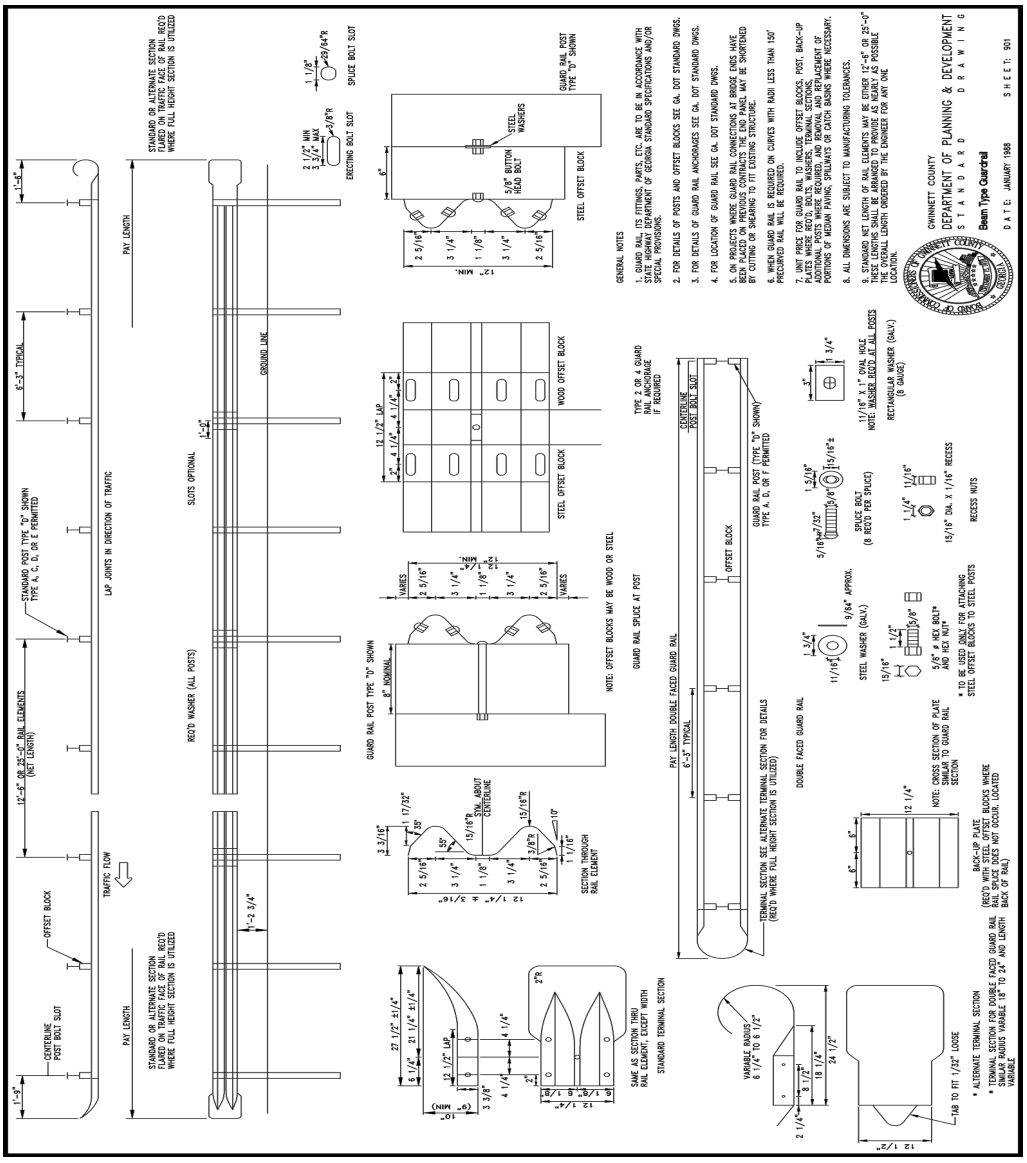

GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Street Tree Placement
DATE: JANUARY 2014
SHEET: 503A
NTS
SOUTH OR EAST
NORTH OR WEST
RIGHT-OF-WAY
R/W
5'
ROOT SYSTEMS ARE TYPICALLY LOCATED WITHIN THE TOP 18" OF SOIL
4' SIDEWALK
11' SHOULDER
2'
1.5' MIN.
1.5'
0.5'
CABLE T.V.
3.5'
2.5'
4.0'
POWER CABLE
TELEPHONE
2.0'
GAS MAIN
WATER MAIN
7.0' MIN.
SEWER


GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Multi-Trunk Tree Planting
DATE August 1996
SHEET 88
2"x4"x36" HARDWOOD STAKE
PREPARED SOIL MIXTURE
ROOT BALL
HOSE
A
2A
18 GUAGE GALVANIZED WIRE
A = DIAMETER OF ROOT BALL
2A = DIAMETER OF PIT
CONNECTING WIRES - 1/2" DIAMETER RUBBER HOSE TIED WITH MINIMUM #18 GAUGE GALVANIZED WIRE. CONNECT THREE MAIN TRUCKS (2 STRANDS)
GUY WIRES - 1/2" DIAMETER RUBBER HOSE TIED WITH MINIMUM #18 GUAGE GALVANIZED WIRE. THREE (3) WIRES PER TREE ATTACHED TO THREE MAIN TRUNKS (2 STRANDS)
WEATHERPROOF YELLOW PLASTIC WARNING STRIPS
2/3 TREE HEIGHT (MIN.)
VARIES
12"
LOOSEN SUBGRADE ACROSS BASE OF PIT TO 12" DEPTH
ROOTBALL
EARTH SAUCER. MULCH WITH 3" LAYER OF SHREDDED BARK
EVENLY SPACE 3 STAKES AROUND TREE
REMOVE TOP 1/3 OF BURLAP
12" COMPACTED PREPARED SOIL MIXTURE

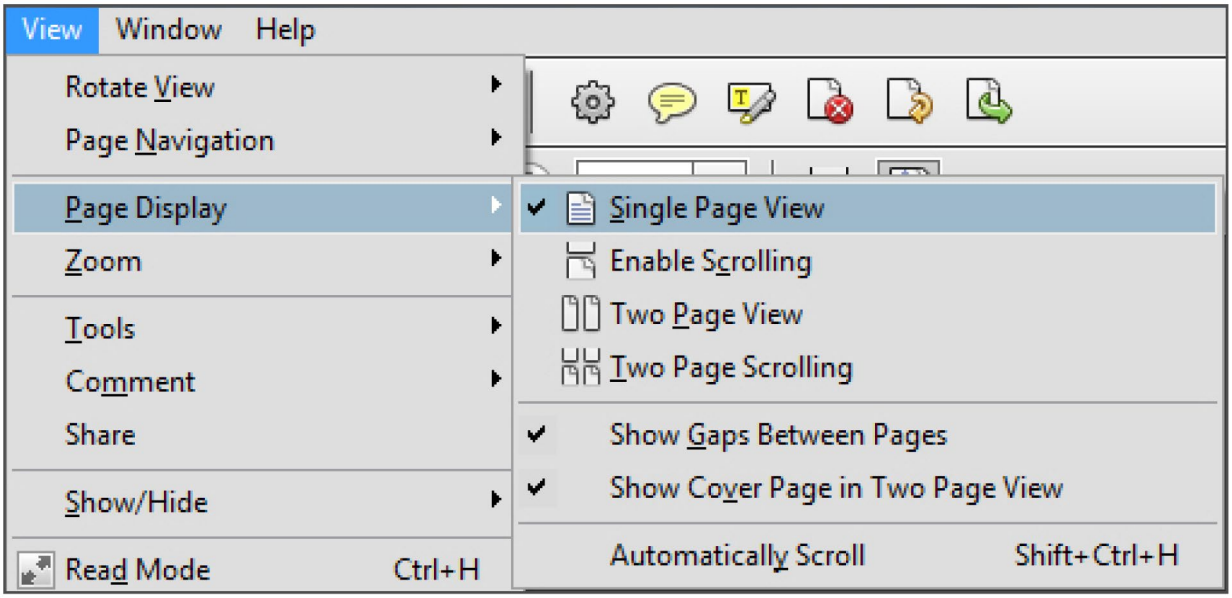

GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Evergreen Tree Planting
DATE: August 1996
SHEET: 802
2" X 2" STAKE
GRADE AT WHICH TREE GREW AT NURSURY
3" MULCH
12" Min.
12" MIN.
TAMP TO PREVENT SETTLEMENT
RUBBER HOSE TIED TO TREE AND STAKE WITH WIRE
REMOVE TOP 1/3 OF BURLAP
4"
PLANTING MIXTURE


2"X2"X3' STAKE
PREPARED PLANTING MIX
LIMIT OF MULCH
TURN BUCKLE (TYPICAL)
2 STRANDS OF 12 GUAGE WIRE (TYPICAL)
BERM
2"X2" STAKE
NOTES
1. MULCH WITH 3" OF CLEAN PINE STRAW.
2. TREES EIGHT FEET HIGH (8') OR LESS SHALL BE STAKED.
3. TREES TALLER THAN EIGHT FEET (8') SHALL BE GUYED.
RUBBER HOSE
WRAP TRUCK
TWINE @ 12" O.C.
1"X4"X10" WHITE WOOD FLAG
2"X2"X3' STAKE
FINISHED GRADE
PREPARED PLANTING MIX
6" Min.
COMPACTED PLANTING MIX
2" Min.
6" Min.
2"X2" STAKE
TURN BUCKLE (TYPICAL)
2 STRANDS 12 GUAGE WIRE (TYP.)
SAUCER OF PLANTING MIX TO HOLD WATER
REMOVE TOP 1/3 OF BURLAP
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Deciduous Tree Planting
DATED August, 1996
SHEET: 803


SPACE AS SHOWN ON PLANS
MULCH
REMOVE TOP 1/3 OF BURLAP
4"
12' MIN.(TYP)
6" (MIN.)
PLANTING MIX
TAMP TO PREVENT SETTLING.
SECTION
PLAN
1. LAYOUT PERIMETER PLANTING AS PER SPACING SHOWN ON PLANS.
2. FILL IN PLANTING BED WITH STAGGERED SPACED PLANTING.
GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Shrub and Groundcover Planting
DATED AUGUST 1996
SHEET: 804



NOTE: The next section is best viewed in Single Page View. To revert back to this from Two Page View, go to the View tab, then select *Page Display* and check the option *Single Page View* as shown below.

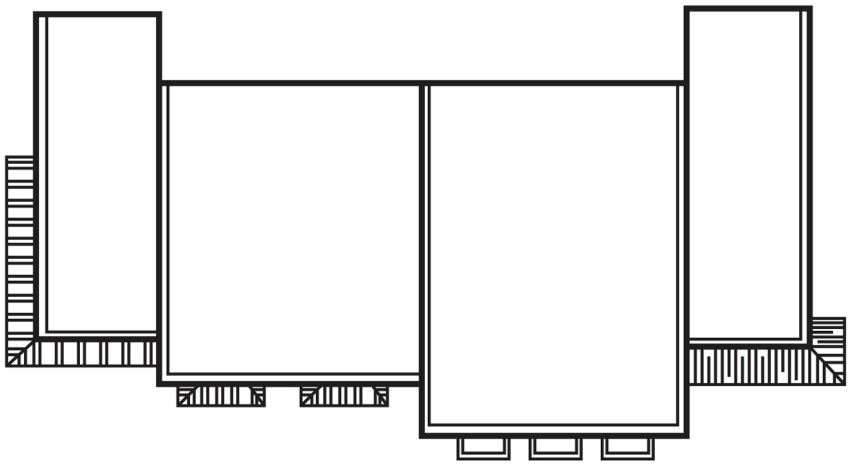


(Ord. No. UDOA2014-00001(GCID No. 2014-0548), 7-22-14; Ord. No. UDOA2019-00005(GCID2019-0295) , Exh. A, 3-19-2019)

Appendix Section 2.0: Design Guidelines
General Design

Building Facade Materials and Modulation

Plan

• Modulate building façade setbacks with a variety of dimensions and feature elements such as colonnades.	

Elevation

• Buildings 3 stories or less shall incorporate cornices that project horizontally a minimum of 1 foot and extending across the entire façade. • Changes in building material and color shall be incorporated. • Street level: Articulate façade with large windows and distinctive entrances.	

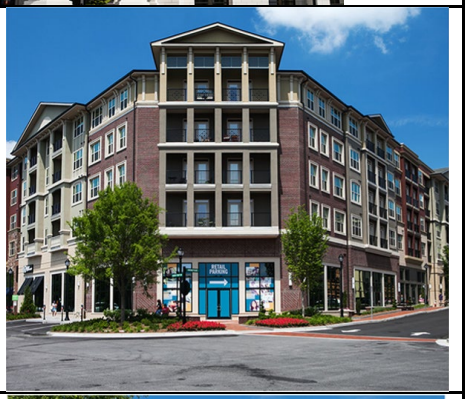
Architectural Design For Multi-Story Buildings

The following design guidelines should be considered when designing multi-story buildings:

- Create unique iconic features at building corners such as towers and balconies.
- Building facades shall be varied via offsets and recesses to avoid creating a heavy monolithic appearance.
- Ground floors shall be distinguished through façade projections, recesses, and change of materials and color that will differentiate building elevations.
- Ground floors shall incorporate large frequent window articulations.
- Changes in building material, texture, and color shall be incorporated.



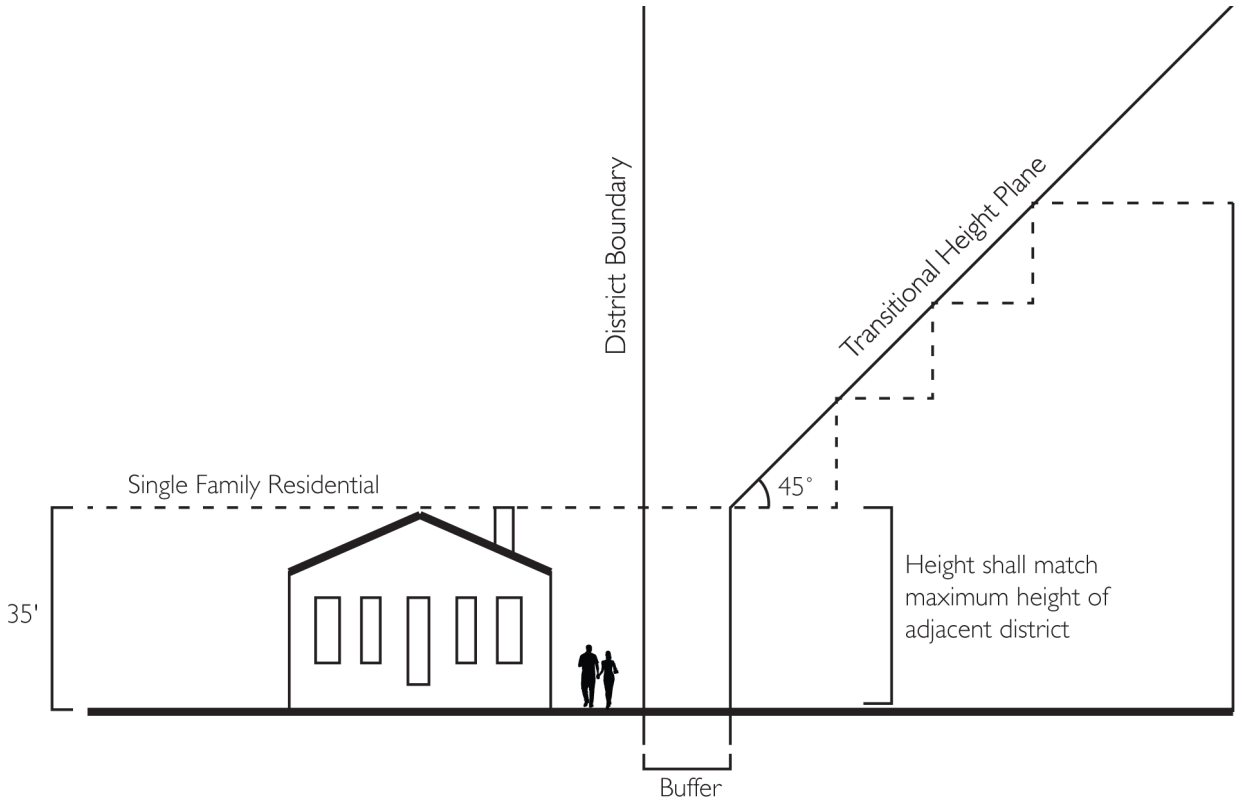



Architectural Entry Features

Height Transitions

Transitional Height Plane



Internal Height Transitions

Multifamily Residential

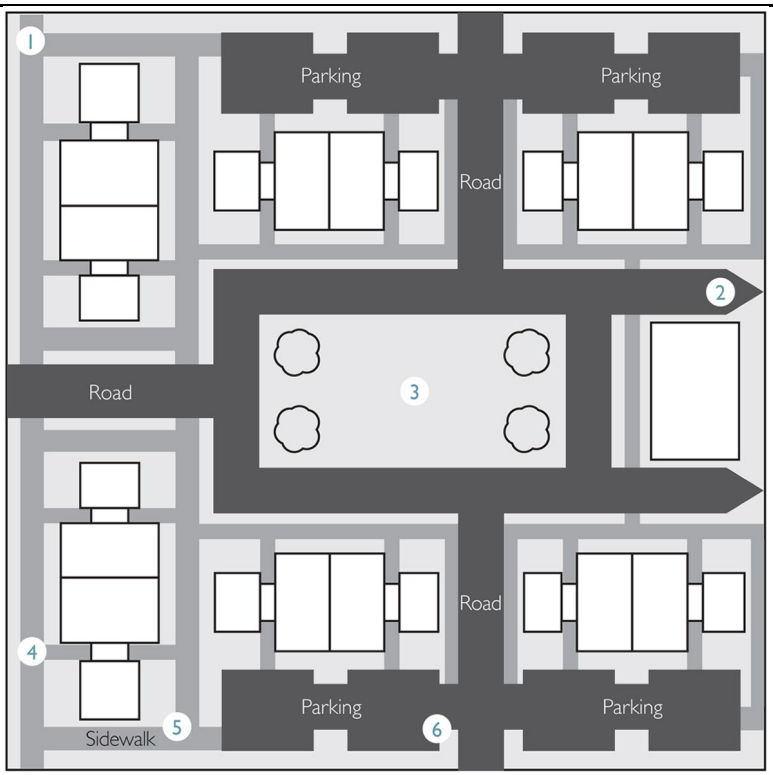
The following architectural and site design guidelines are laid out to ensure well-designed and well-constructed multifamily development that enhances the quality of life in the surrounding community and provides a variety of quality housing options to current and future residents.

Typical Multifamily Building Elevation

- Multifamily buildings encouraged to be designed with a pitched roof (see 3.8 for roof guidelines.)
- Common entrances and breezeway entrances shall incorporate a distinctive architectural entrance structure such as a tower element, arched portal or arbor/trellis.
- Front, sides, and rear facades shall be finished with a minimum of 50 percent brick or stone finish on each elevation.

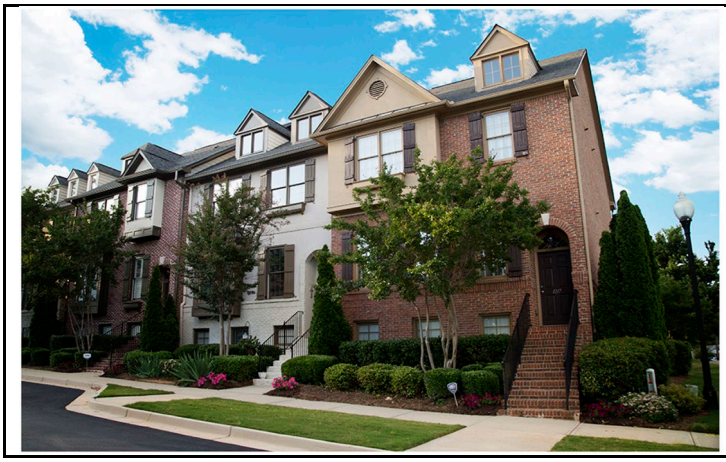
Typical Site Layout For Multifamily Residential

1. Provide pedestrian connections within and beyond the development.
2. Provide potential future connections to adjacent sites or parallel roads.
3. Organize buildings around park to create more park views and provide more natural security
4. Buildings should be oriented parallel to both external and internal streets, providing a frontage that helps frame the public realm.
5. Buildings should be used to screen the parking areas from view.
6. Break up parking lots to avoid large areas of asphalt.



Attached Single-Family Residential

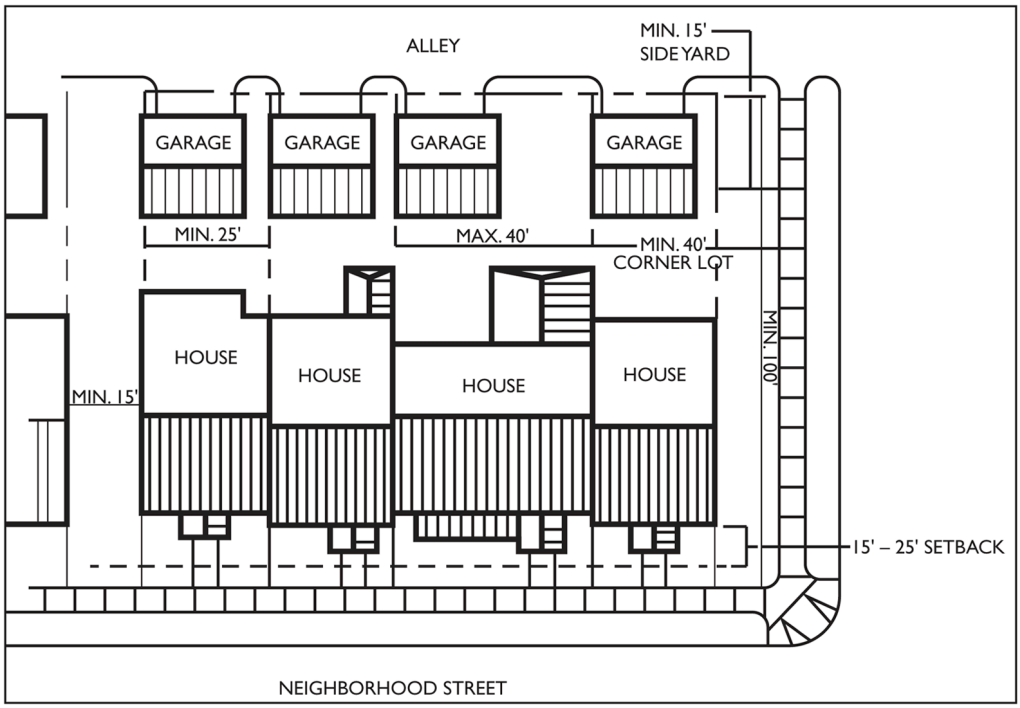
Typical Attached Single-Family Building Elevation



- Buildings shall be designed with a pitched roof (see 3.8 for roof guidelines)
- Front, sides, and rear facades shall be finished with a minimum of 50 percent* brick or stone finish on each elevation

* Required percentage of brick or stone finish varies by zoning district.

Typical Site Layout For Attached Single-Family Residential



- Building front façade changes in setback are encouraged.

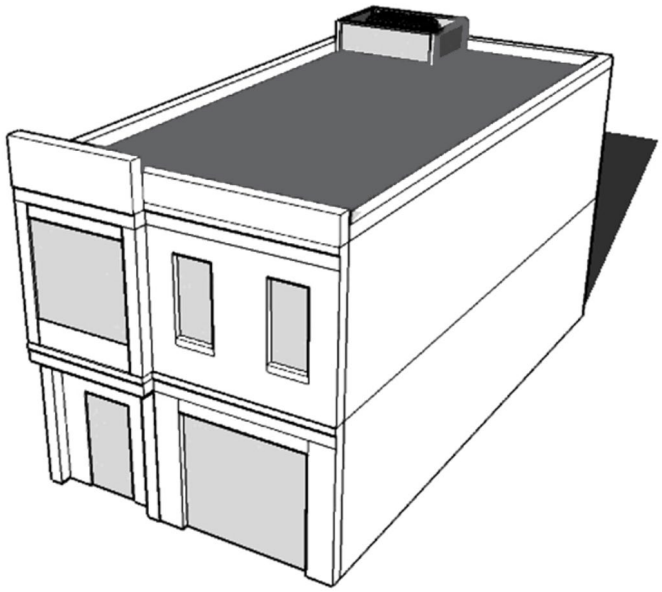
Industrial Building Facades

The following design guidelines should be considered when designing industrial buildings:

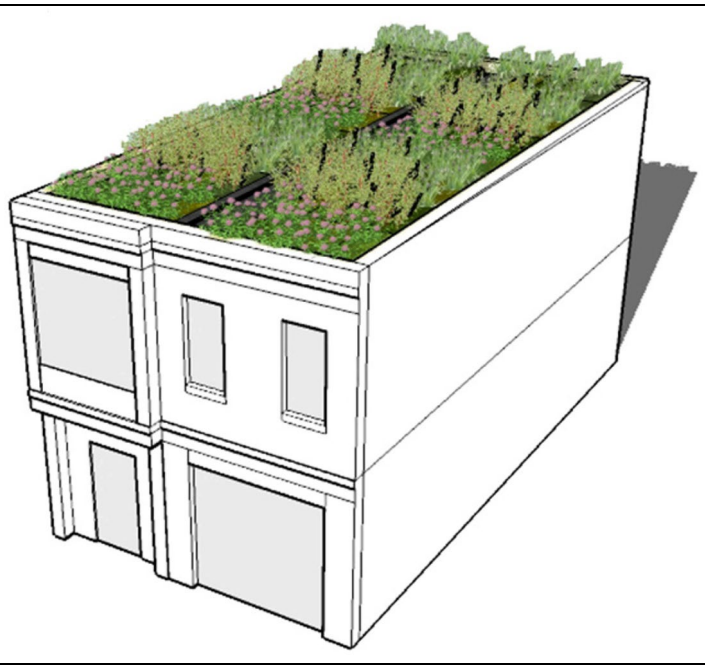
- Articulate facades to provide a consistent visual effect that is consistent with the character and scale of the area.
- Elevations visible to public view shall reflect the overall design, colors and textures used on the front façade.
- Design multi-building projects to include consistent design elements throughout the project.
- Incorporate clearly defined public and employee entrances.
- Incorporate canopies, porticoes, and peaked roof features.
- Varied parapet elevation height changes.
- Entrance framed by outdoor pedestrian features or enhanced landscaping.
- Incorporate architectural details such as façade articulation that includes changes in color and materials.
- Incorporate integral planters in the outdoor pedestrian areas.

Roof Treatments

Flat Roof

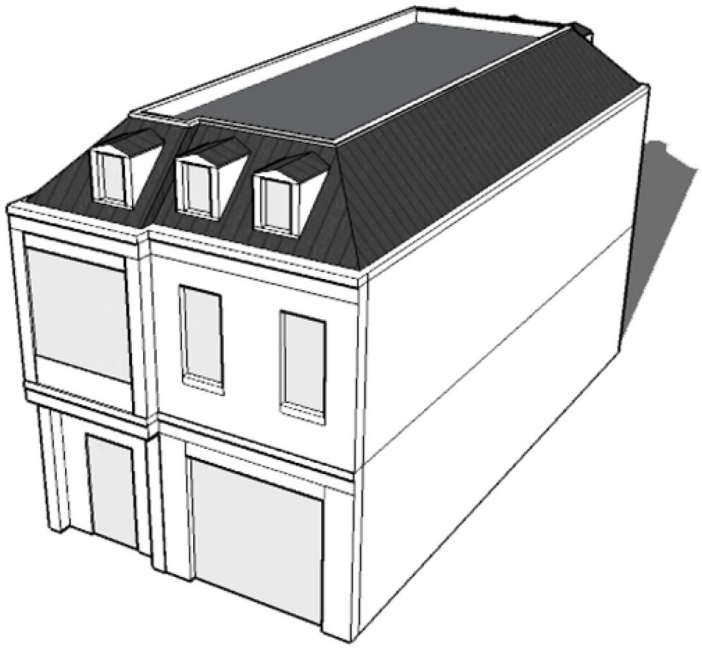
• Flat roof buildings shall incorporate articulated parapets or facade projections every 100 feet. Parapets should be a minimum of 1' in height. Vary building and cornice heights along long facades, but avoid drastic changes - generally no more than 20 feet or two stories.	

Green Roof

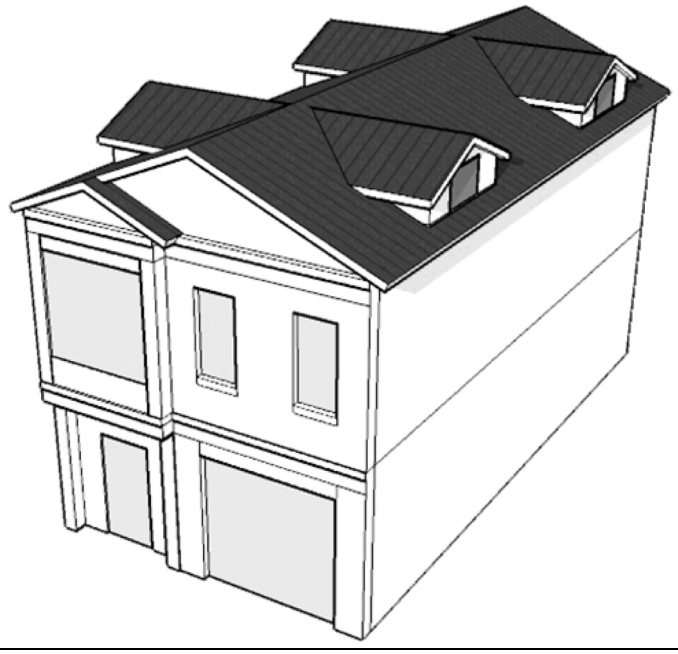
• Flat roofs with live vegetative planting visible from ground views may be substituted for articulated parapets or pitched roofs.	

Mansard Roof

• Pitched roofs may have a flat roof well located in the central	

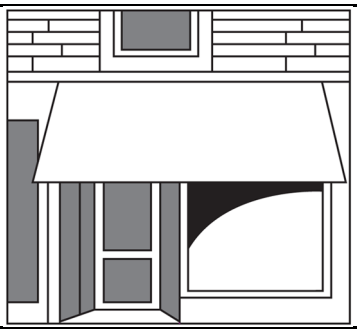
area of the roof, not to exceed 50 percent of the total roof area. The height of the partial (mansard) roof profile should be equal in ridge height to the design height of a fully pitched roof.	

Pitched Roof

• Fully pitched roofs require a minimum slope of 4 feet in every 12 feet. Roof eaves must overhang 1 foot at minimum. Roofing material is limited to seam metal, slate, tile, or architectural shingles. Roof must be articulated every 100 feet. Incorporate features such as roof eave height changes, towers, spires, cupolas, dormers, and/or gables.	

Awning/Canopy Design

Awnings

• The scale of the awning, i.e., height, length, depth, and overall bulk shall be compatible with the building storefront or entry. • Awnings shall not be made of shiny, high gloss, or translucent materials. • Awnings shall not cover distinctive architectural features of the building façade.		
	Discouraged: higher awnings that cover signage or architectural features	**Encouraged:** awnings that highlight signage and enhance building

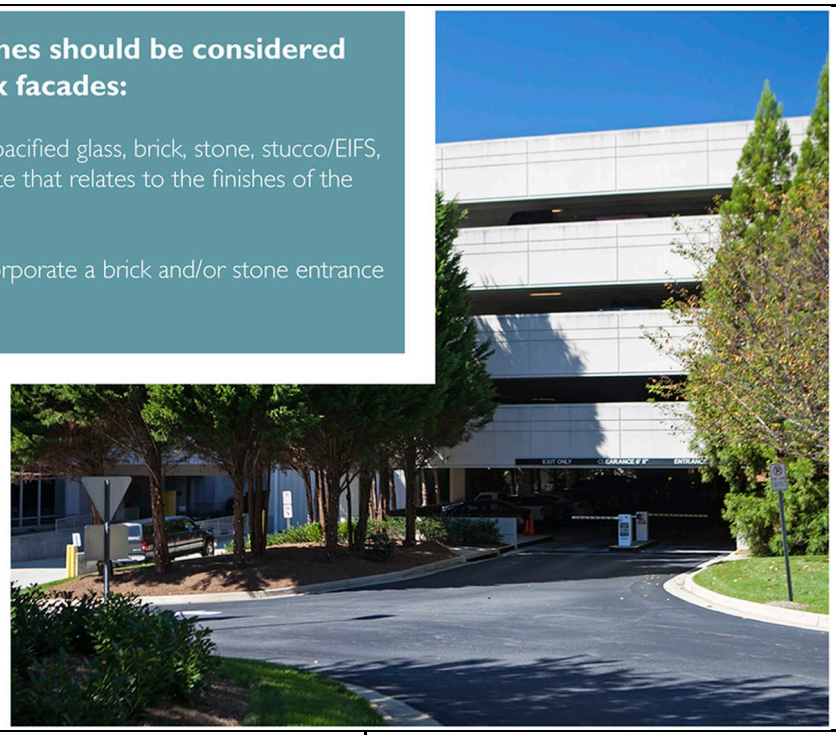
Canopies

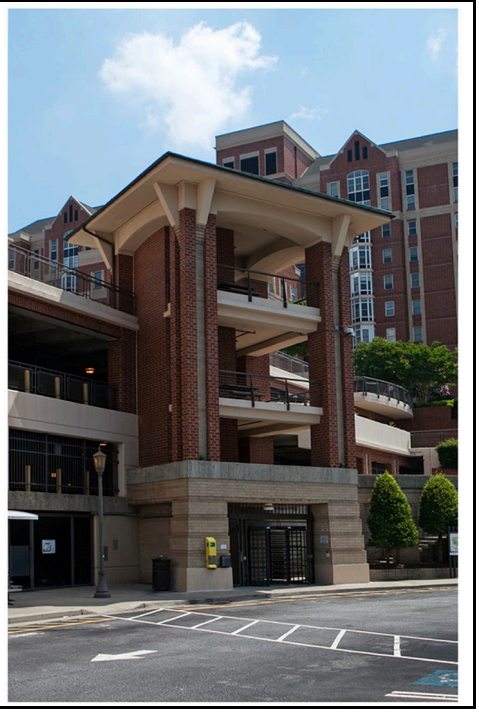
• Canopies shall be compatible in material, color, and construction to the style of the building. • Canopy roof and column material and design shall compliment the main building design.		
		

Parking Decks: Architectural Features and Screening

The following design guidelines should be considered when designing parking deck facades:

- Front, sides and rear facades shall opacified glass, brick, stone, stucco/EIFS, and/or architectural pre-cast concrete that relates to the finishes of the adjacent primary building.
- The parking deck entrance shall incorporate a brick and/or stone entrance feature.
- The first level of parking that is adjacent to public or private streets shall incorporate a full-height screen utilizing opacified glass, brick, stone, false windows, decorative grills, and/or dense vegetative screening.
- Facades facing public streets or driveways shall incorporate land-scape areas immediately in the front of the parking structure.





Landscape and Plaza Design

Multifamily Residential

• Vary heights, sizes and types of plant materials around the building foundation area. • Create focal cluster groups of plants adjacent to the building entry points. • Incorporate perennials and annuals to add color.	

Commercial/Office

• Screen service areas with large evergreens. • Vary heights, sizes and types of plant materials around the building foundation area. • Create focal cluster groups of plants adjacent to the building entry points. • Incorporate perennials and annuals to add color.	

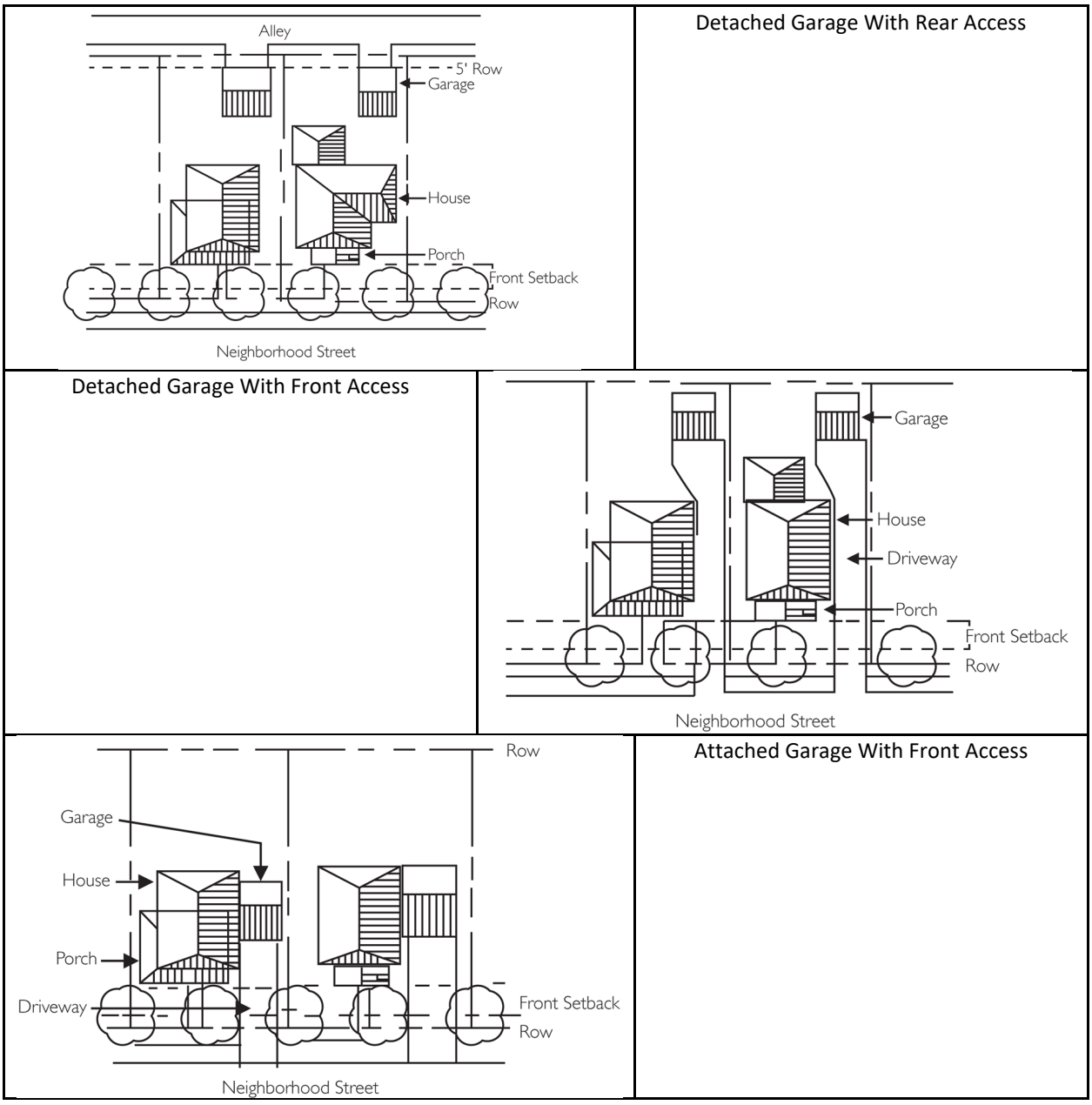
Ground-Level Utility Equipment and Dumpster Screening

Utility equipment screening

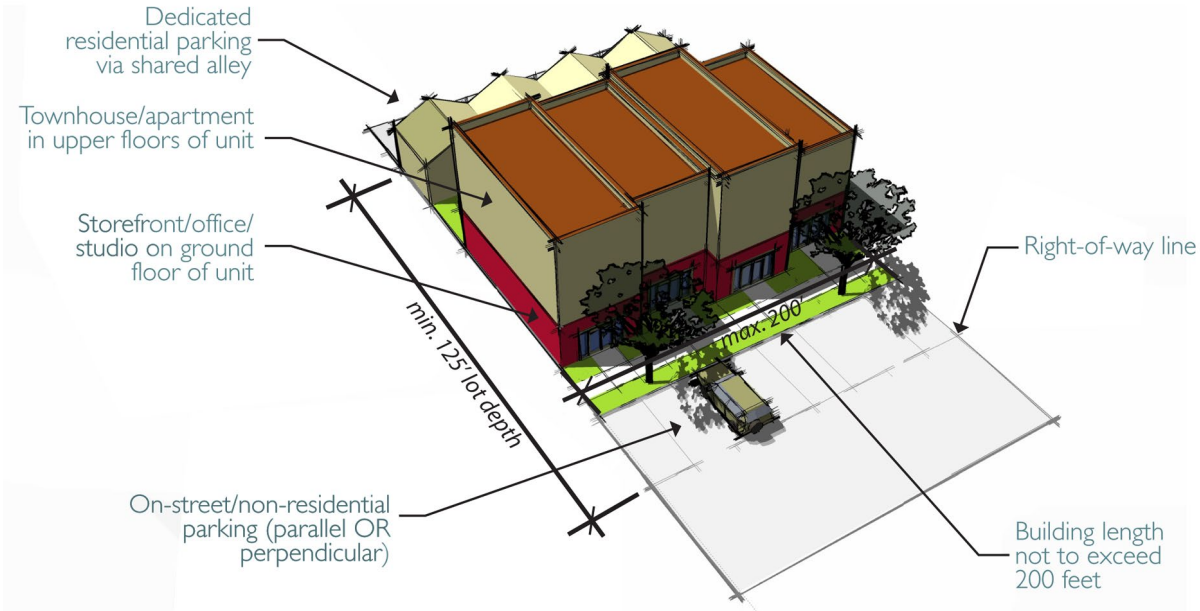
• Utility equipment such as HVAC and other mechanical equipment should be designed and located in a manner to be hidden from public view. • Screens for exterior equipment should exceed the height of the equipment. • Screen structures shall utilize building materials that match the exterior materials of the adjacent building.	
Utility meter and other building mounted equipment screening	
• Utility meters shall screened to best extent possible with evergreen and other plantings. • Utility meters and associated fixtures shall be painted to match the color of the building. • Heating and air cooling units, exhaust hoods, fans, vent piping, satellite dishes, antennae, solar panels, and other appurtenances that are ground or roof mounted shall be screened from public view.	
Dumpster enclosures	
• Dumpster enclosures shall be constructed of materials that match the material and color finishes of the adjacent primary building.	

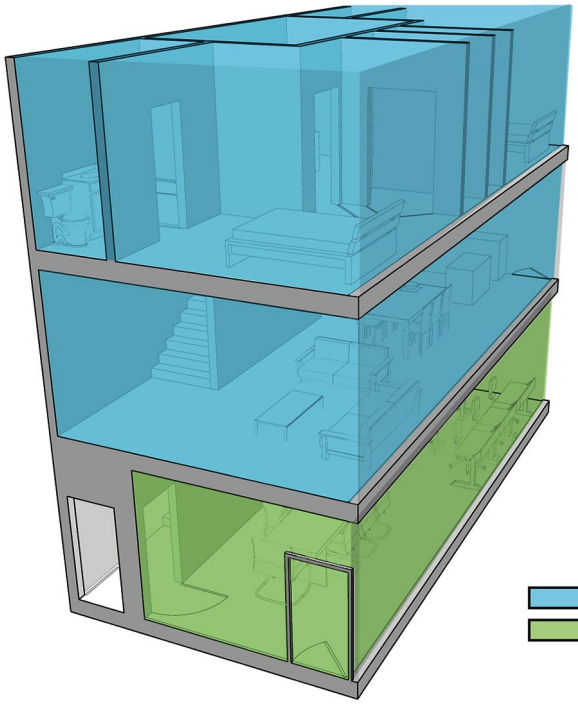
Appendix Section 3.0: Design Guidelines
Traditional Neighborhood Design

Detached Single-Family Residential

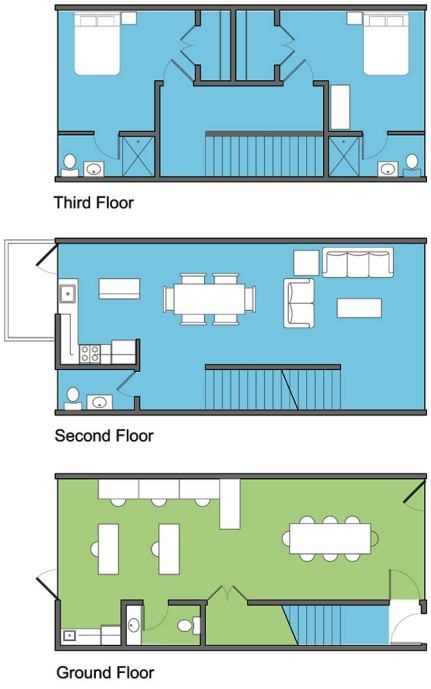


Live-Work Units





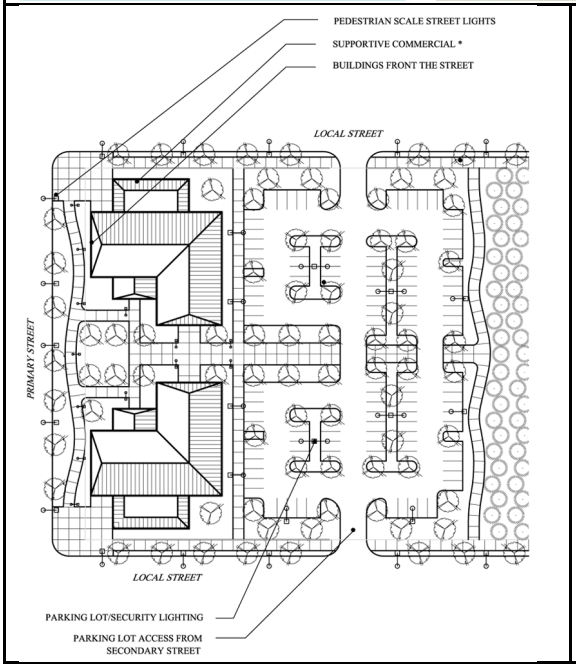
Master's Research Studio: Live/Work 2009
Northeastern University School of Architecture



Civic Uses

The following design guidelines should be considered when designing civic buildings:

- Complement the architectural style of the Traditional Neighborhood.
- Façade design should incorporate covered porches, towers, pilasters, colonnade, cornice, and/or roof eave brackets.
- Incorporate changes in building material, texture, and color.
- Provide roof design elements such as dormers and cupolas, eave brackets.
- Incorporate civic site features such as water features, plazas, arbors, and gazebos.

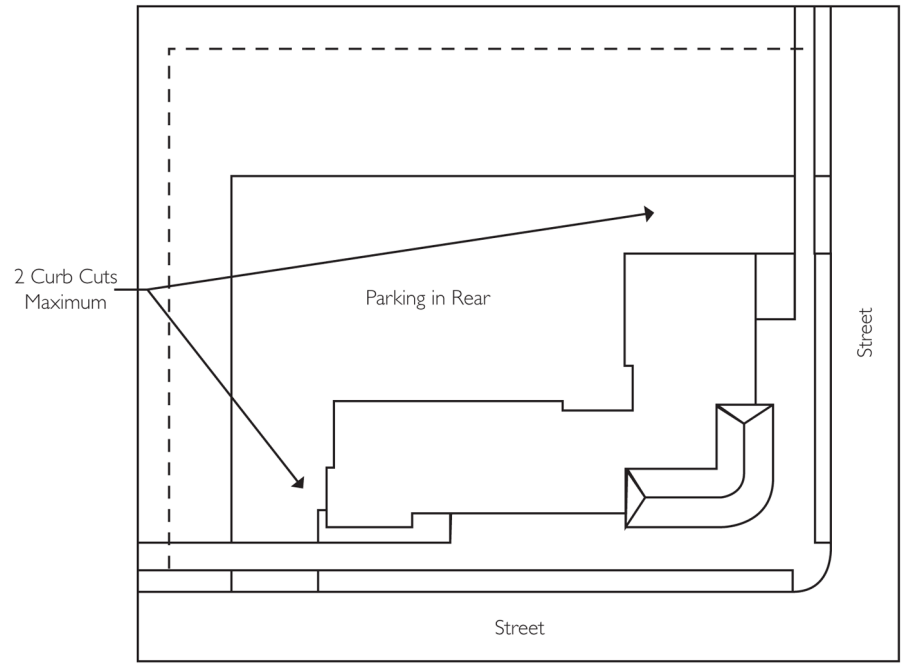


Commercial Uses

The following design guidelines should be considered when designing commercial neighborhood buldings:

- Commercial Uses are small commercial retail and services within residentially-scaled buildings that are located on designated corners within walking distance of adjacent neighborhoods for the convenience of local neighborhood residents.

Commercial Corner - Typical Site Plan

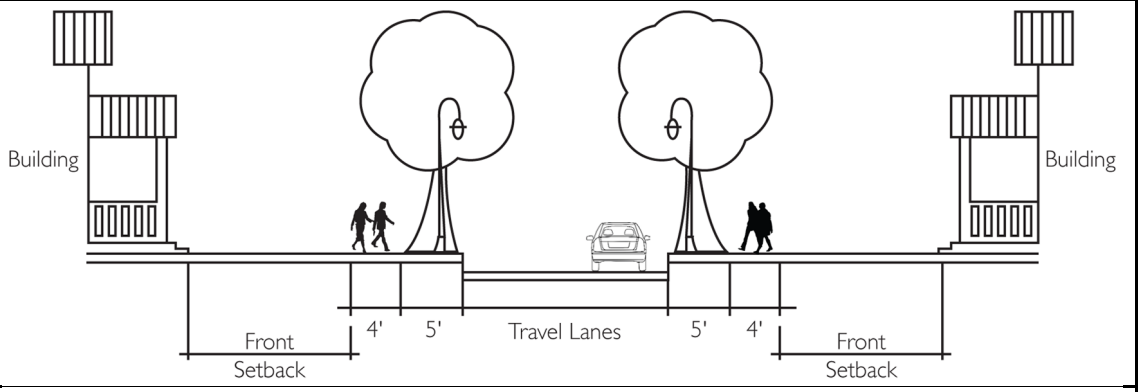
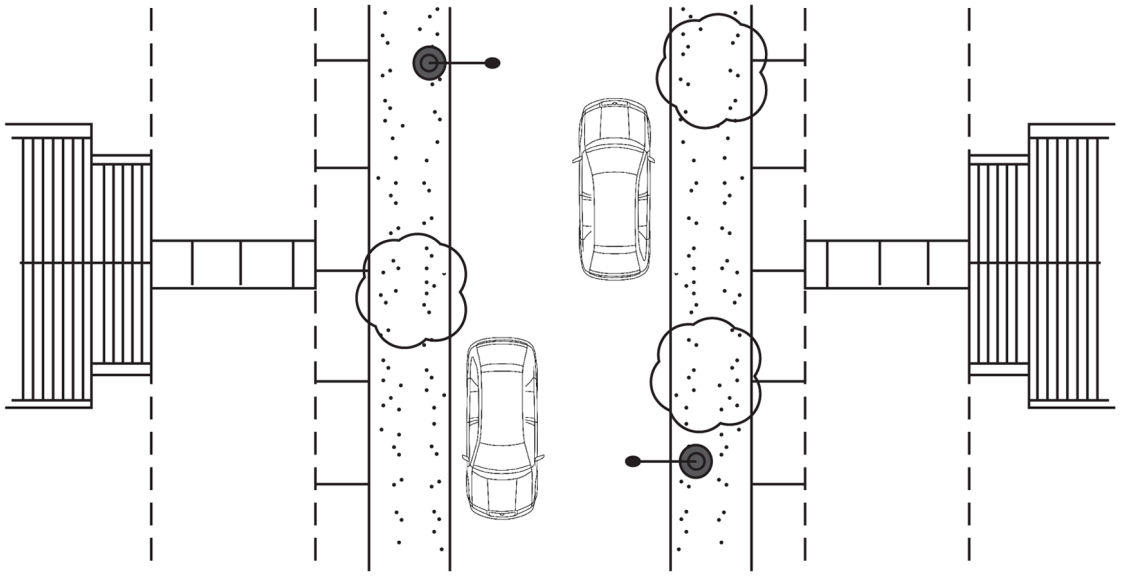


Elements In Residential Design

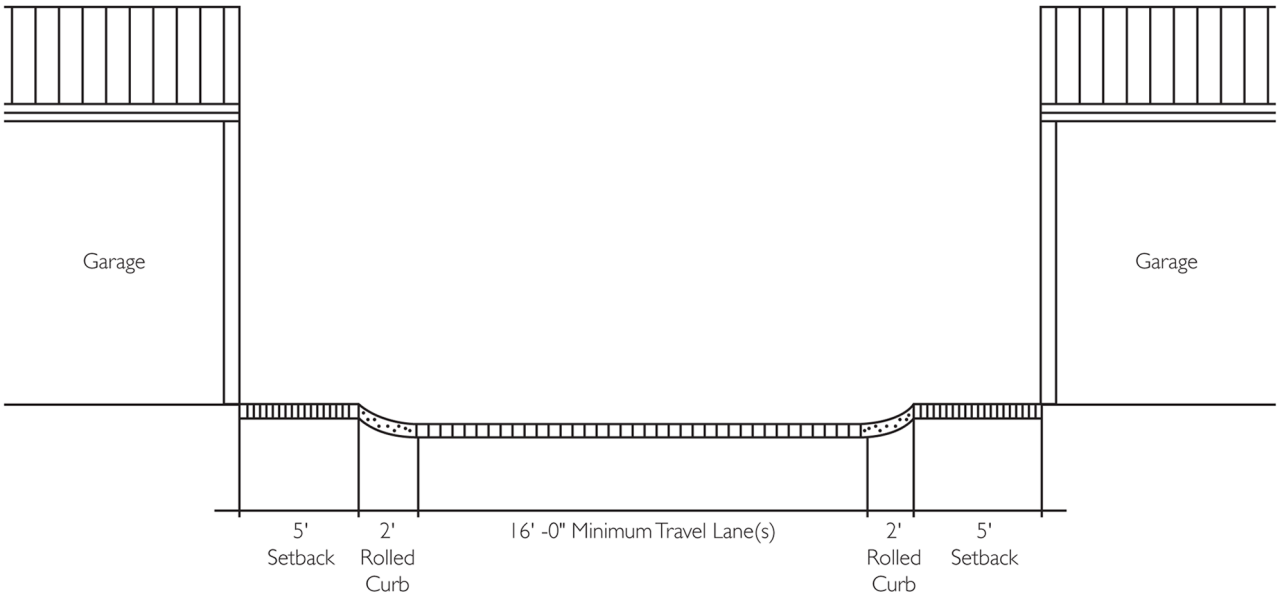
The following design guidelines should be considered when designing detached residential buildings:

- Articulate facades with porch elements and bay windows.
- Provide unique architectural entrance door surround.
- Incorporate changes in building material, texture, and color.
- Provide design elements such as shutters and roof eave brackets.
- Incorporate roof elements such as dormers and gables.

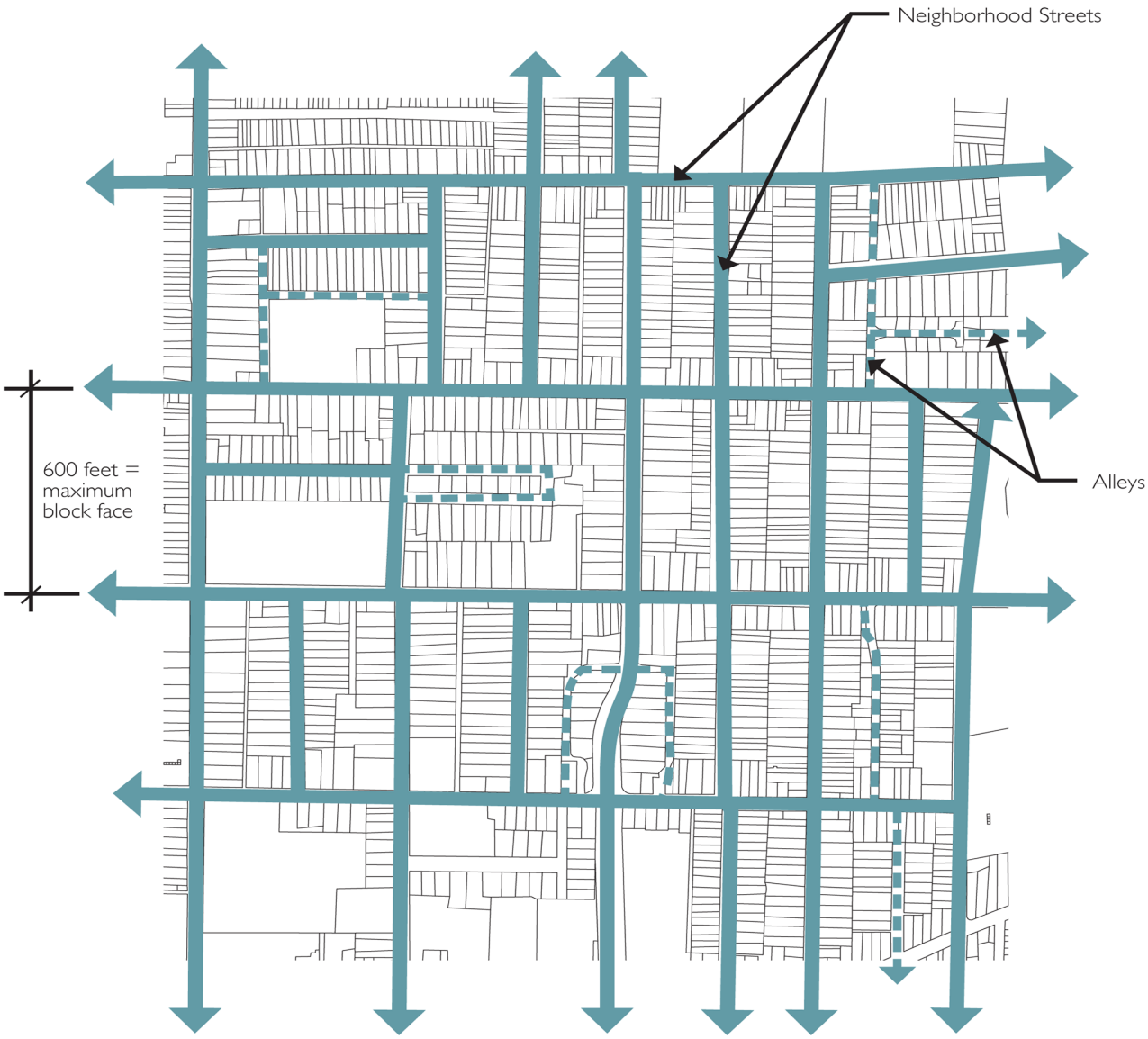
Local Street

Section		
Plan View		
Street Section: Permitted Uses	Single Family (Detached) Single Family (Attached) Live/Work Units Neighborhood Commercial Civic Uses	A. Spacing of street trees and street lights may be adjusted to account for driveways, utility poles, fire hydrants and other obstructions and to provide adequate visual clearance for intersections, driveways and traffic control devices.
Block length	600 feet	B. Underground utility lines are required. Sewer lots only. Septic lots are not permitted
Streetscape: Landscape strip Sidewalk	 5 feet 4 feet	

Alley



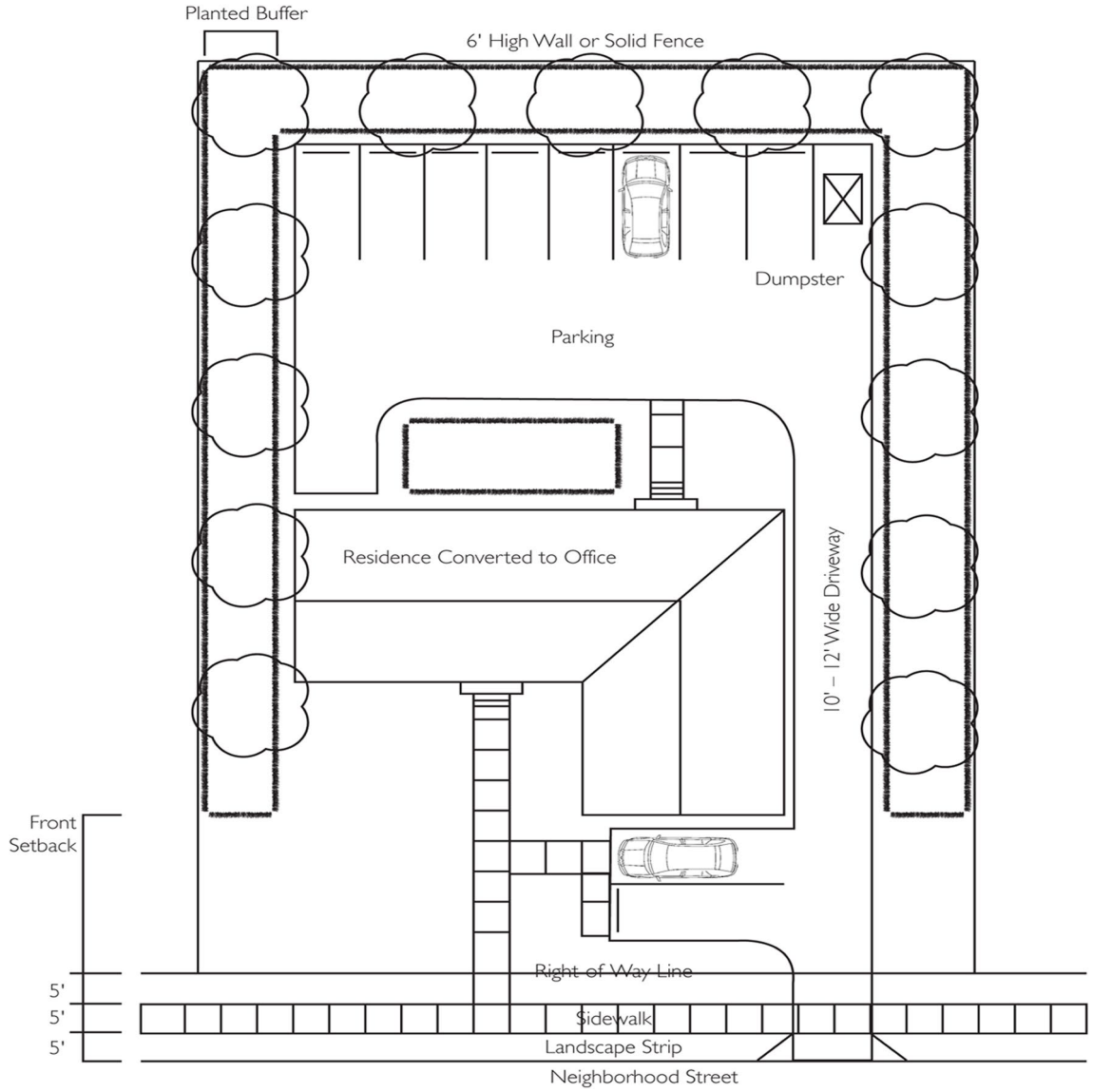
Interconnected Street Grid



Appendix Section 3.0: Design Guidelines

Office Residential District

Office-Residential Uses



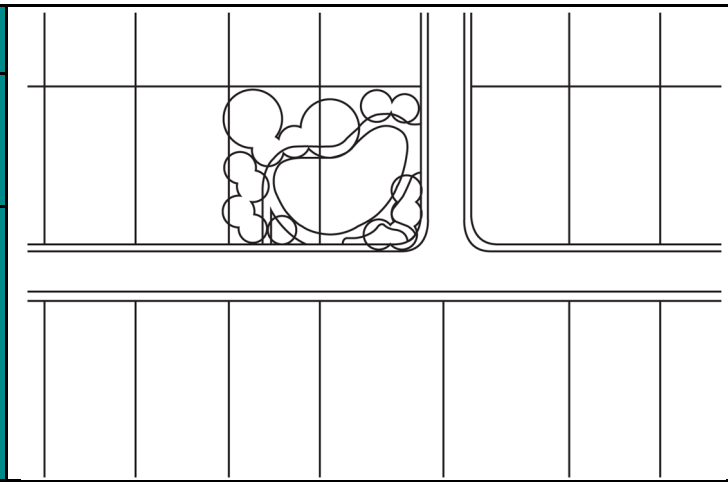
Appendix Section 3.0: Design Guidelines

Public Spaces

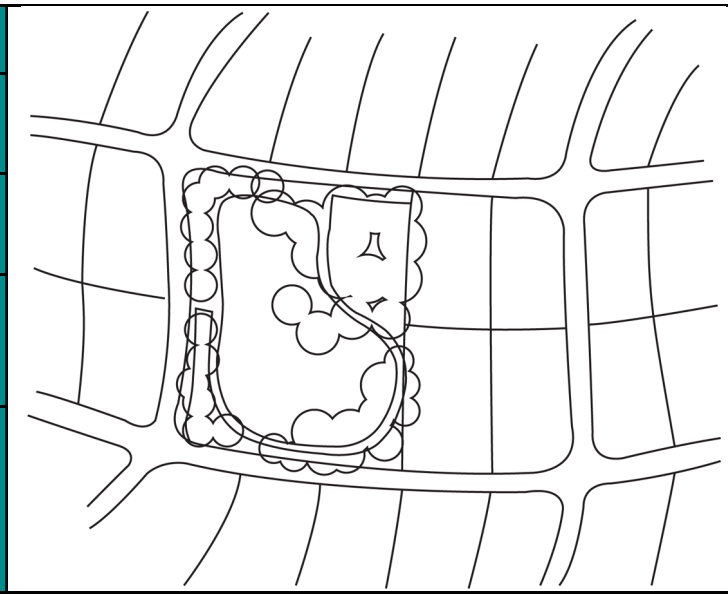
Pocket Parks and Green Spaces

A. Pocket Park

Minimum size: 3,000 square feet	
Landscaping: mix of undisturbed	

natural plantings and/or formal plantings **Outdoor furnishings:** benches, tables, seat walls, planters, play structure, picnic areas/shelter **Maximum impervious cover:** 25 percent.	

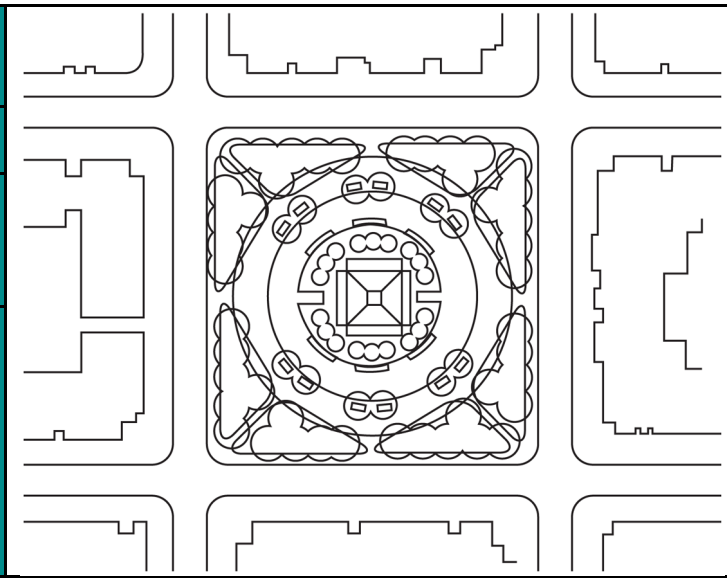
B. Green

Minimum size: 25,000 square feet **Maximum Length to width ratio:** 3 to 1 **Maximum impervious surface:** 20 percent **Landscaping:** mix of undisturbed natural plantings and/or formal plantings **Outdoor furnishings:** benches, picnic shelter, gazebo, water feature, play structure, trellis, wayfinding or interpretive signage	

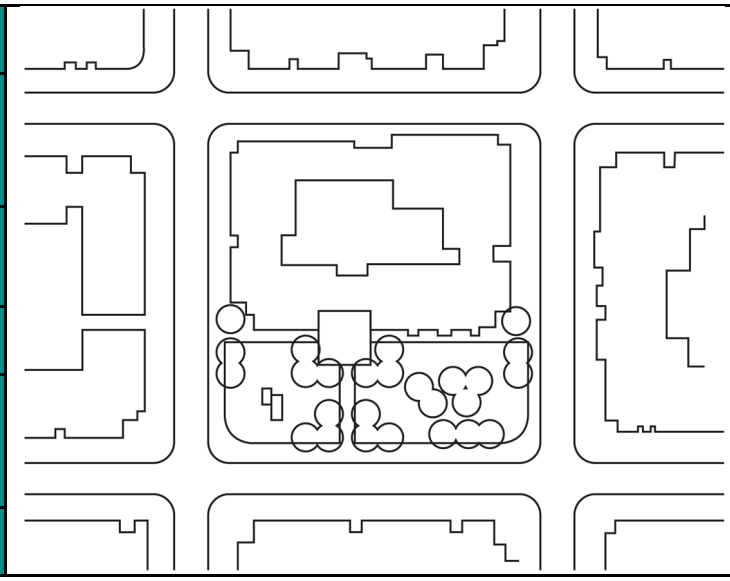
Squares and Plazas

C. Square

Minimum size: 1 acre **Maximum Length to width ratio:** 2 to 1 **Maximum impervious surface:** 60 percent	

Bounded by streets on two or more sides Formal areas of landscaping **Outdoor furnishings:** benches, gazebo, water feature, play structure Outdoor lighting	

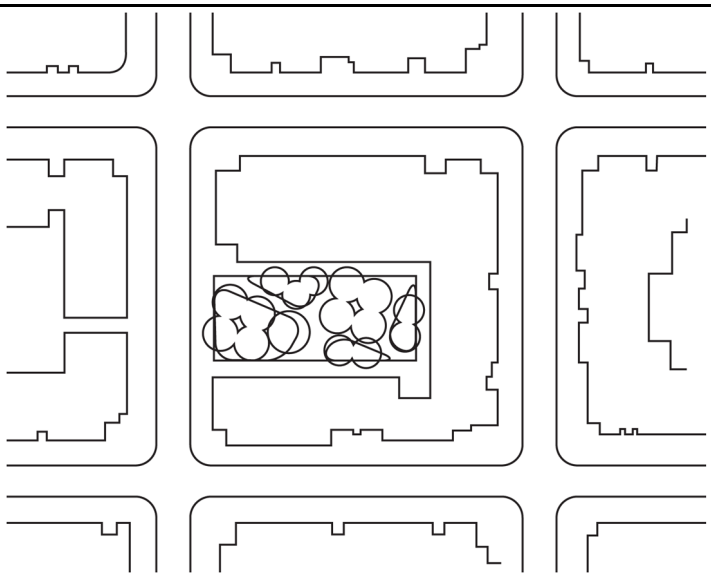
D. Plaza

Minimum size: 10,000 square feet Facing a public street or connected to public street ROW by pedestrian corridor **Maximum impervious surface:** 75 percent Formal areas of landscaping **Outdoor furnishings:** benches, gazebo, water feature, play structure Outdoor lighting	

Courtyards

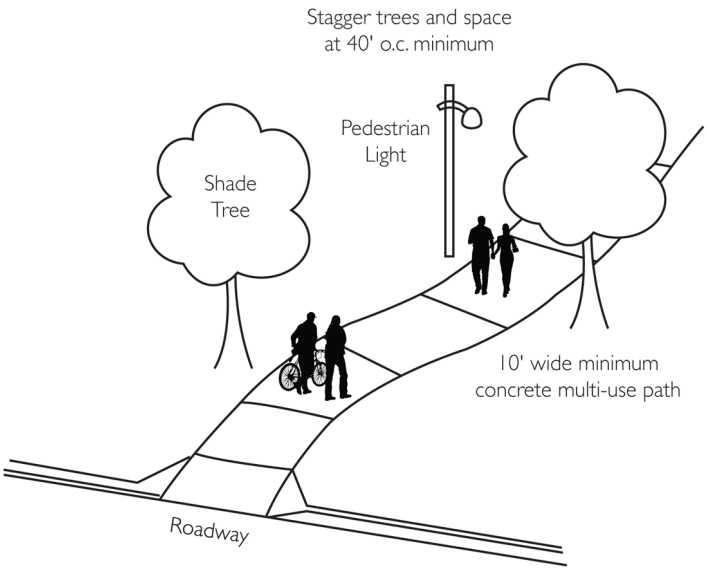
E. Courtyard

Landscaped outdoor public space partially enclosed on two or three sides by buildings or other structures	

Minimum area: 1,000 **Maximum impervious surface:** 75 percent Formal planted areas **Outdoor furnishings:** benches, gazebo, water feature, seating Outdoor lighting	

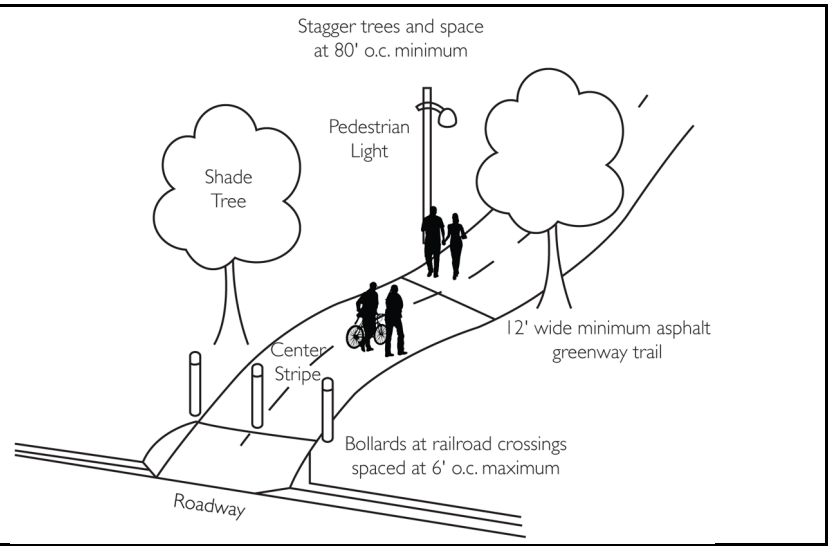
Paths and Trails

F. Multi-Use Path

Connects two common areas or connects a common area to a sidewalk or trail along a public right of way Trees planted so that trunk is 3 feet maximum from edge of trail/sidewalk and a maximum of 60 feet on center Outdoor lighting optional	

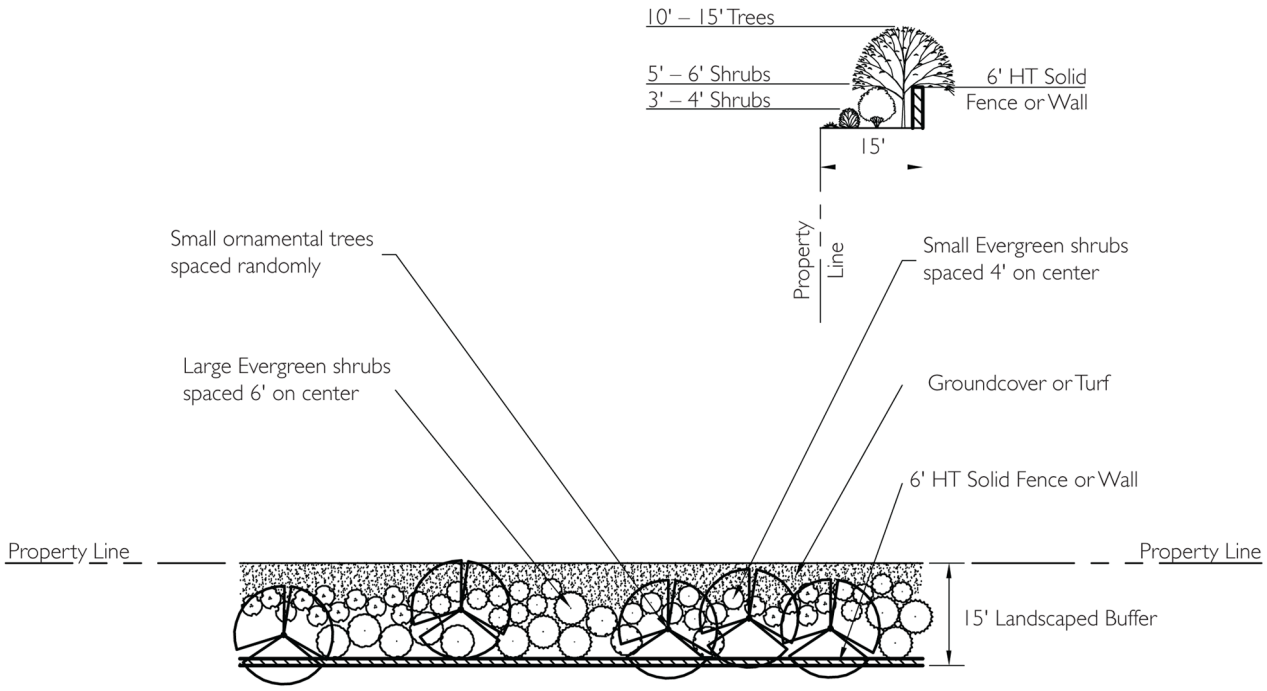
G. Greenway Trail

Linear public space following a stream, lake, utility easement, or street with paved or unpaved improvements designed for	

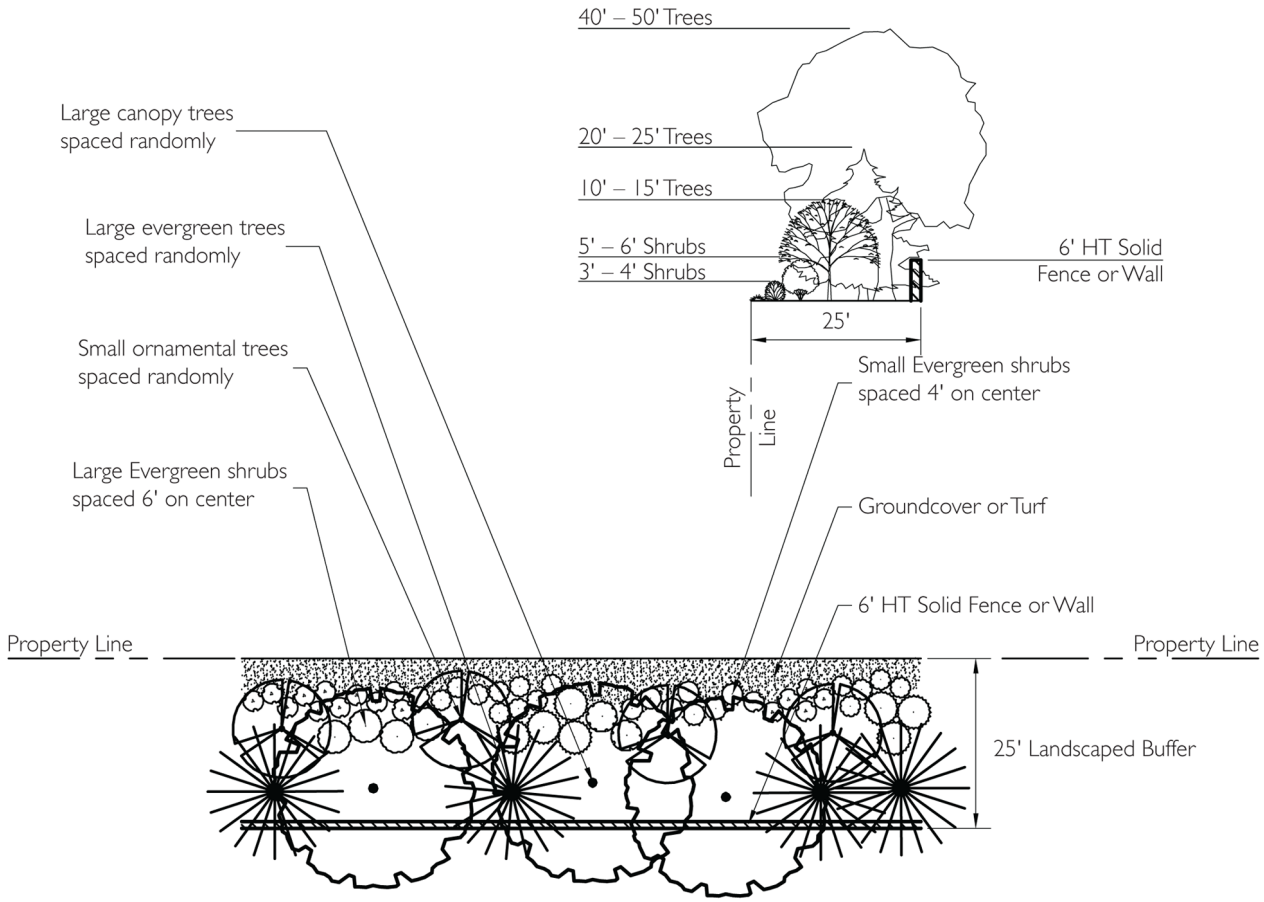
walking, jogging, or cycling in a natural environment	
Trees planted so that trunk is 3 feet maximum from edge of trail/sidewalk and a maximum of 60 feet on center	
Outdoor lighting optional	

Appendix Section 3.0: Buffers, Landscaping, and Tree Protection
Landscape Buffers

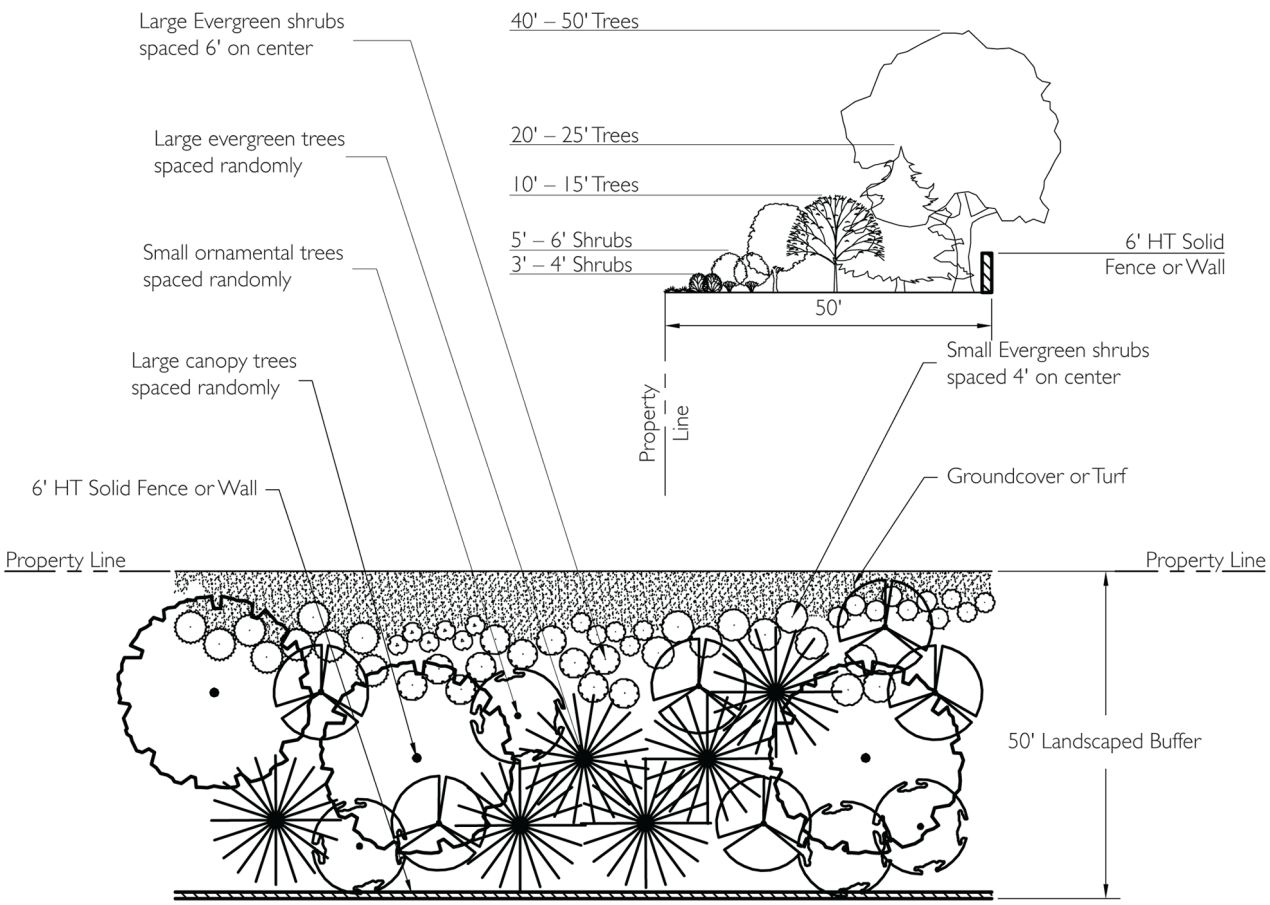
15' Landscaped Buffer with 6' High Fence or Wall



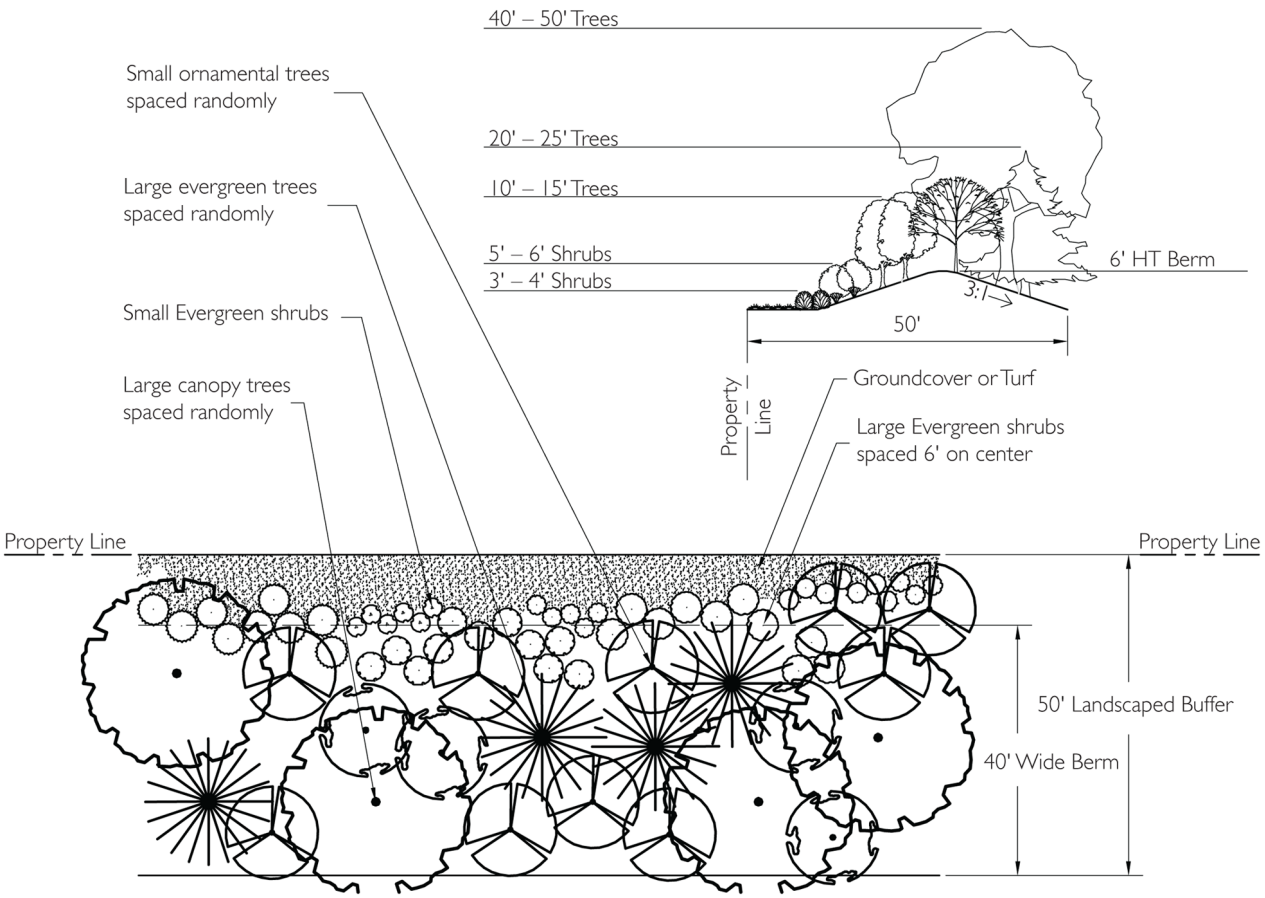
25' Landscaped Buffer with 6' High Fence or Wall



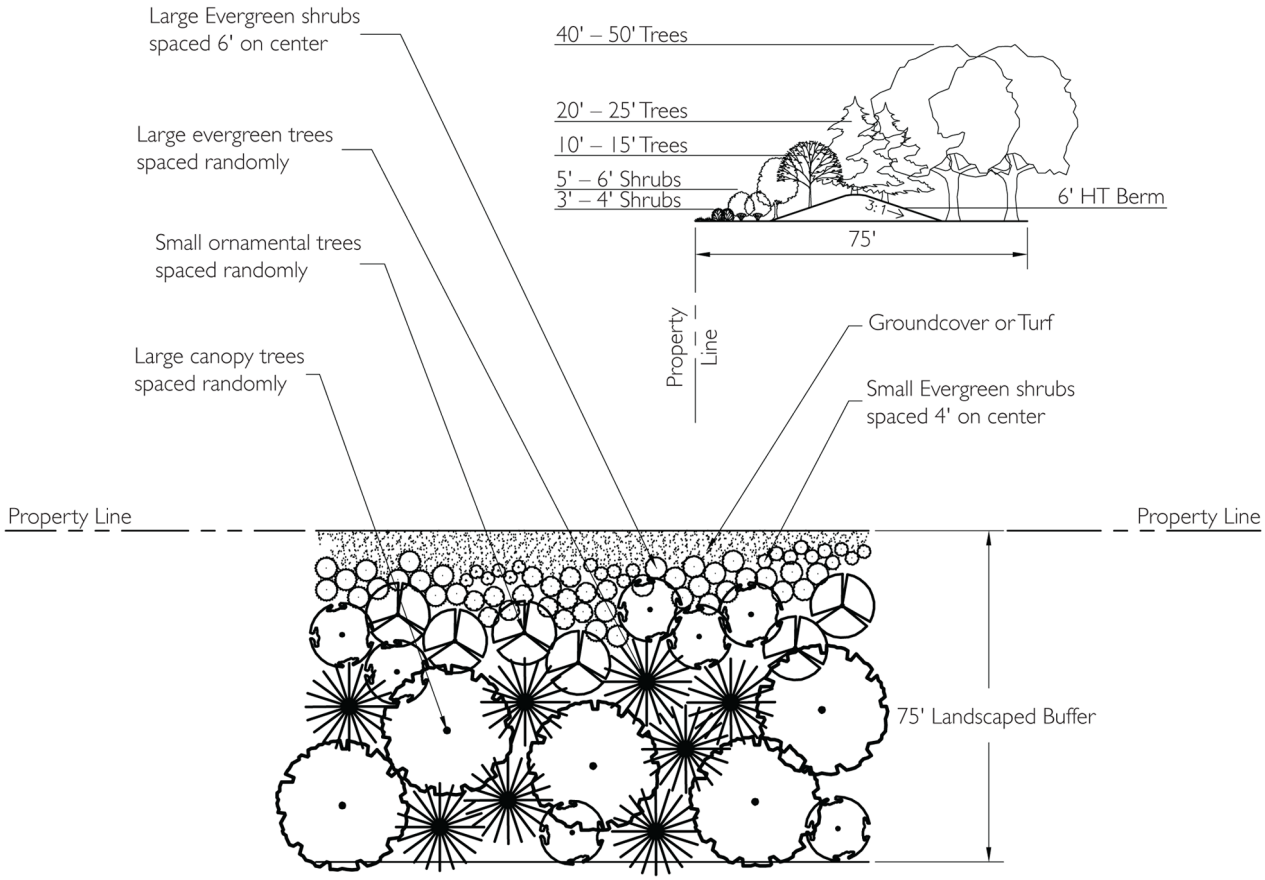
50' Landscaped Buffer with 6' High Fence or Wall



50' Landscaped Buffer with 6' High Berm

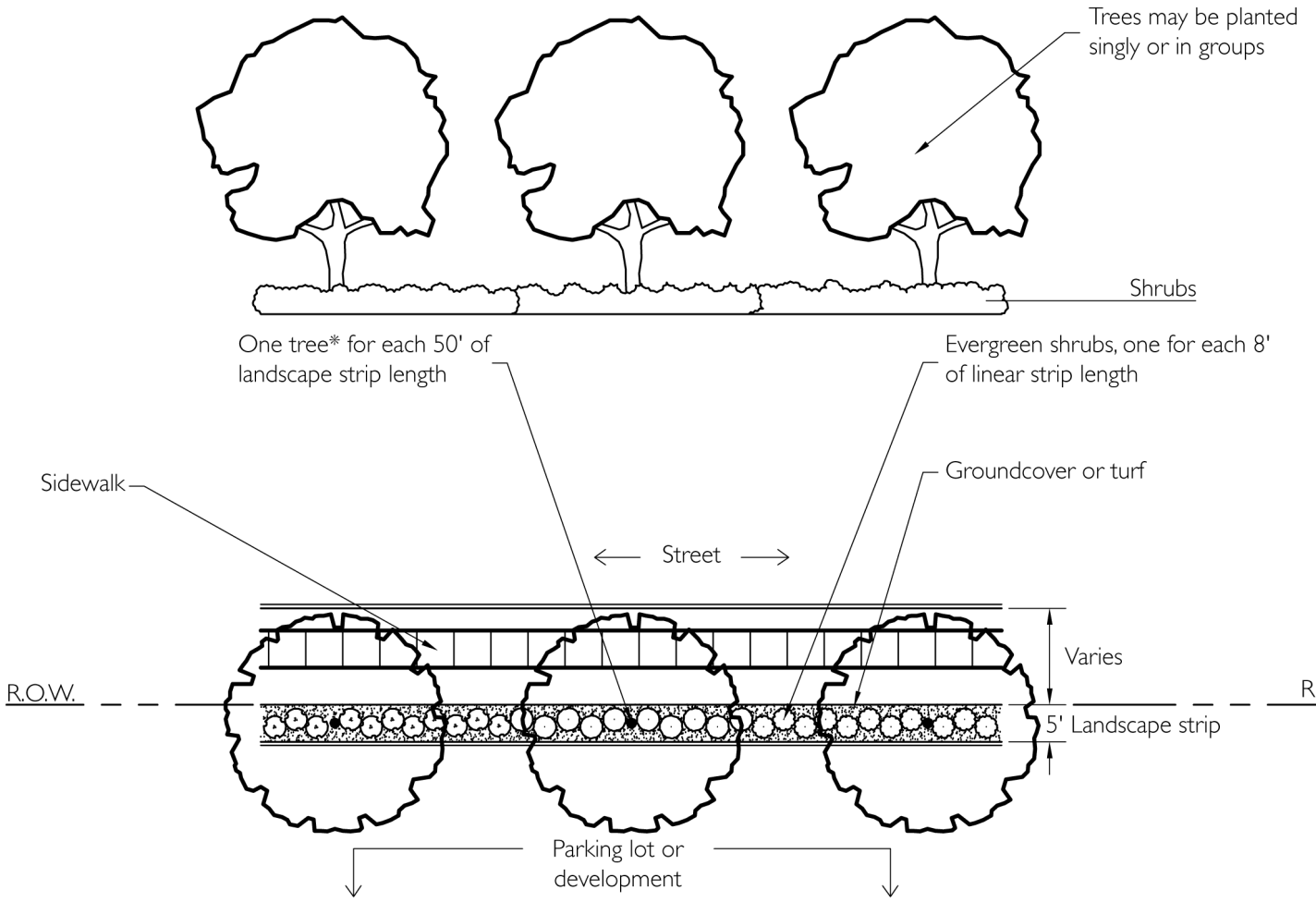


75' Landscaped Buffer with 6' High Berm



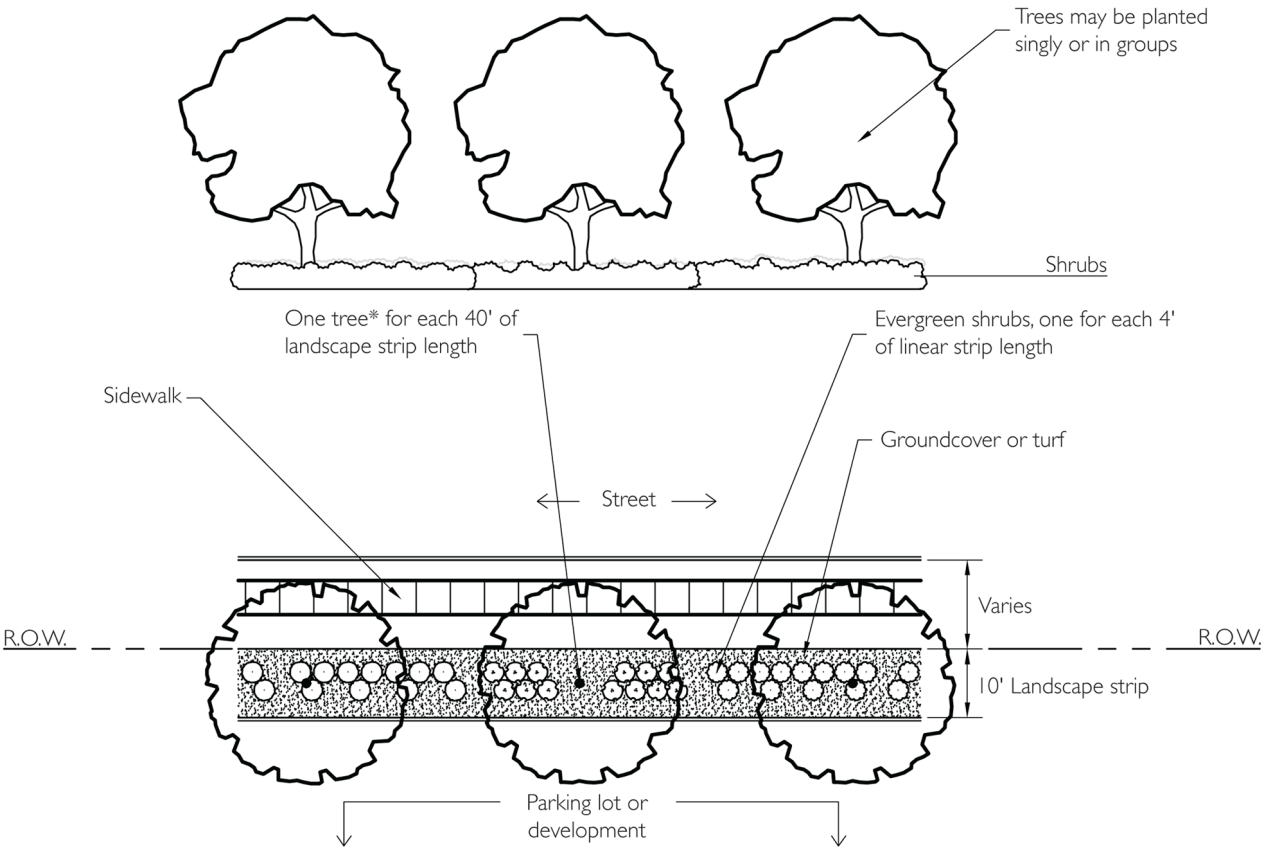
Appendix Section 3.0: Buffers, Landscaping, and Tree Protection Landscape Strips

Type 1: 5' Landscape Strip



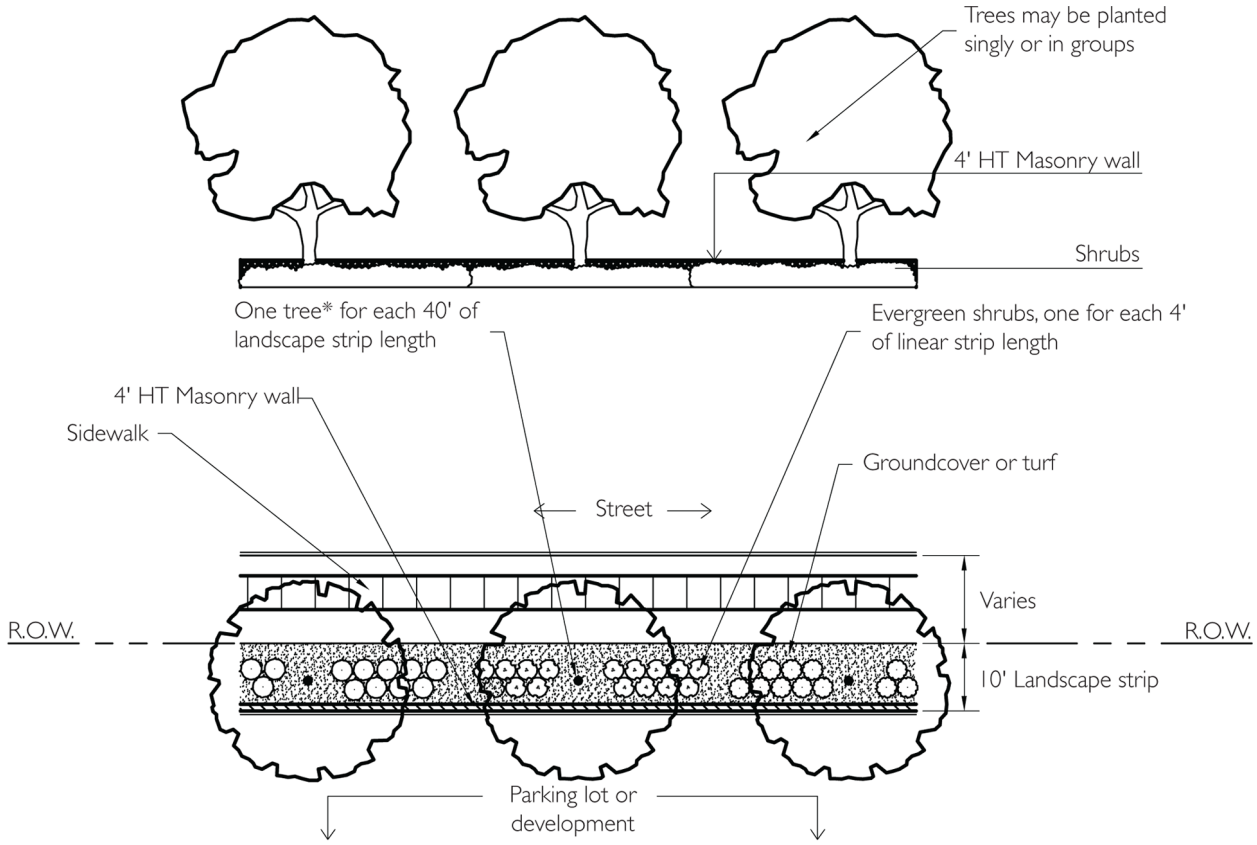
*Refer to the tree species lists in 4.11 – 4.13 for recommended tree species

Type 2: 10' Landscape Strip



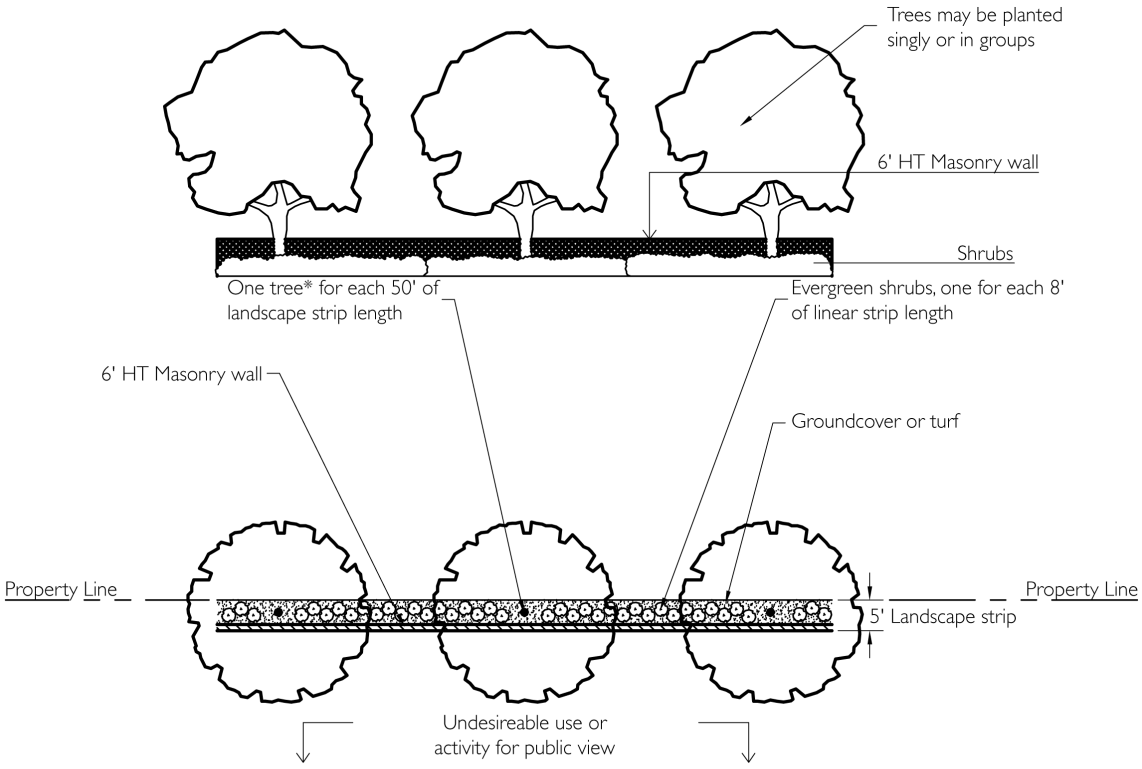
*Refer to the tree species lists in 4.11 – 4.13 for recommended tree species

Type 3: 10' Landscape Strip with 4' High Masonry Screening Wall



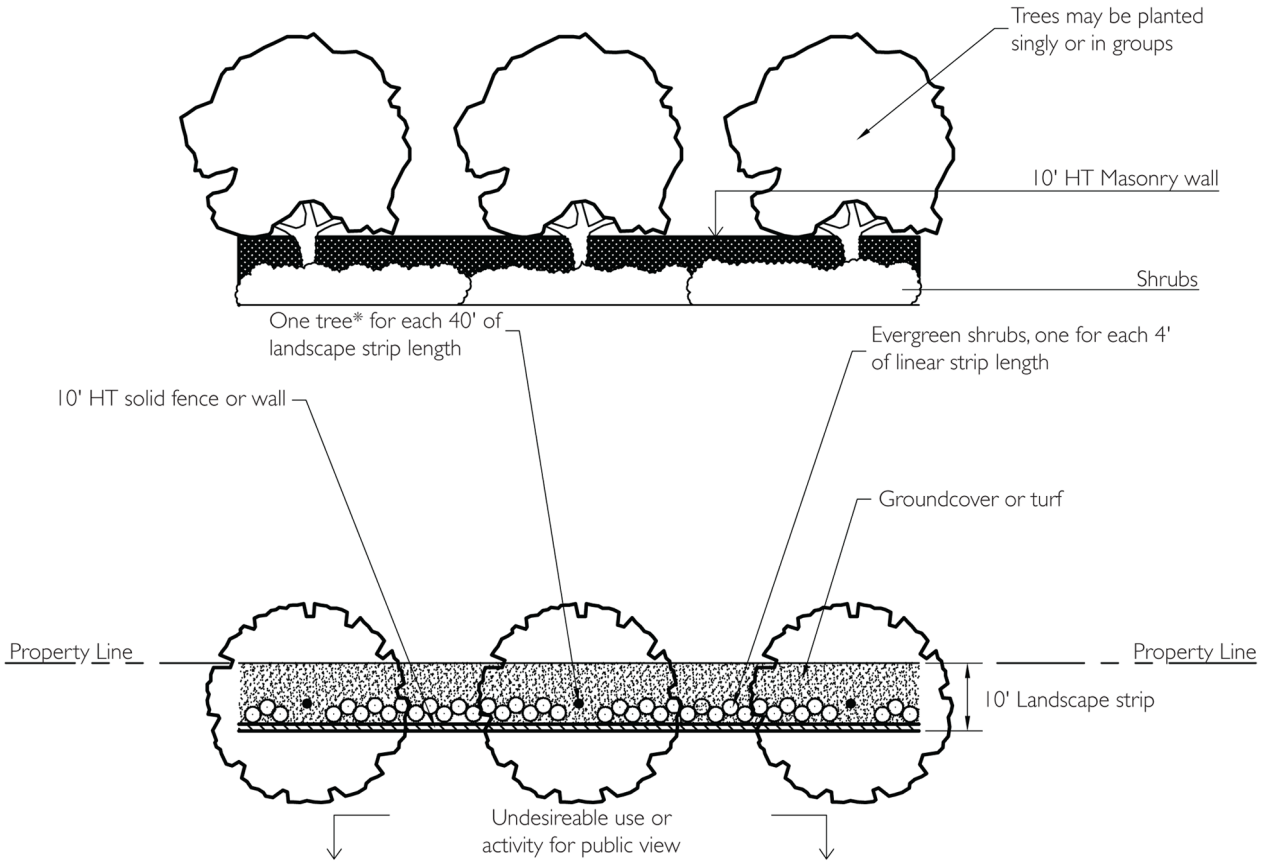
*Refer to the tree species lists in 4.11 – 4.13 for recommended tree species

Type 4: 5' Landscape Strip with 6' High Masonry Screening Wall



*Refer to the tree species lists in 4.11 – 4.13 for recommended tree species

Type 5: 10' Masonry Screening Wall



*Refer to the tree species lists in 4.11 – 4.13 for recommended tree species

Small Tree Species List

Scientific name	Common Name	Native	Evergreen	Street tree	Parking	Max	Spread	Canopy
Acer buergerianum	Trident Maple			S		25	20	314
Acer griseum	Paperbak Maple					25	20	314
Acer palmatum var. atropurpureum 'Bloodgood'	Japanese Maple 'Bloodgood'			S		20	20	314
Amelanchier arborea	Downy Serviceberry	N		S		25	20	314
Carpinus caroliniana	Ironwood/American Hornbeam	N				25	25	491
Cercis canadensis 'Pauline Lily'	Pauline Lily Redbud	N		S		25	25	491
Cercis canadensis 'Texensis'	Texas Redbud	N		S		25	25	491

Cercis canadensis 'The Rising Sun'	The Rising Sun Redbud	N		S		25	25	491
Chionanthus virginicus	Fringe Tree	N		S		25	25	491
Cornus alternifolia	Alternate Leaf Dogwood	N		S		20	20	314
Cornus florida	Flowering Dogwood	N		S		20	20	314
Cornus kousa	Chinese/ Kousa Dogwood			S		20	20	314
Cotinus obovatus	American Smoketree	N				20	15	177
Crataegus spathulata	Littlehip Hawthorn					20	20	314
Crataegus viridis 'Winter King'	Green Hawthorne			S		25	25	491
Hamamelis virginiana	Witch-hazel	N				20	15	177
Ilex x attenuata 'Fosteri'	Foster Holly		E			25	10	79
Ilex x attenuata 'Savannah'	Savannah Holly		E			25	10	79
Ilex decidua	Deciduous Holly/Possum Haw	N				15	10	79
Ilex latifolia	Lusterleaf Holly		E			25	20	314
Ilex x 'Nellie R. Stevens'	Nellie R. Stevens Holly		E			30	10	79
Ilex verticillata	Winterberry	N				15	10	79
Ilex vomitoria	Yaupon Holly	N	E			20	10	79
Magnolia stellata	Star Magnolia					20	15	177
Malus angustifolia	Narrow-Leaf Crabapple	N				25	20	314
Myrica cerifera	Wax Myrtle	N	E			25	20	314
Parrotia persica	Persian Parrotia					30	20	314
Prunus 'Accolade'	Accolade Flowering Cherry					20	15	177
Quercus georgiana	Georgia Oak	N		S		20	15	177
Rhamnus alaternus	Italian Buckthorn		E			20	10	79
Rhus glabra or typhina	Smooth or Staghorn Sumac	N				15	10	79
Tilia cordata 'Halka'	Summer Sprite Littleleaf Linden				P	20	10	79

Zelkova serrata 'JFS-KW1'	City Sprite Japanese Zelkova			S	P	25	20	314
Zelkova serrata 'Schmidtlow'	Wireless Japanese Zelkova			S	P	25	35	962

Medium Tree Species List

Scientific name	Common Name	Na tiv	Ev gr	Str	Pa rki	M ax	Sp	Ca no
Acer barbatum	Southern Sugar Maple	N			P	40	30	707
Acer leucoderme	Chalk Maple	N				40	20	314
Acer rubrum, small cultivars	Red Maple, dwarf varieties	N			P	50	35	962
Acer truncatum	Shantung or Painted Maple					35	25	491
Betula nigra 'Dura Heat'	Dura Heat' River Birch	N				40	25	491
Carpinus caroliniana	American Hornbeam	N				40	20	314
Celtis tenuifolia	Georgia Hackberry					35	20	314
Chamaecyparis thyodies	Atlantic Whitecedar	N	E			30	20	314
Cladrastis lutea	American Yellowwood	N		S		50	40	1,256
Fagus sylvatica	Purple Beech					50	40	1,256
Frangula caroliniana	Carolina Buckthorn	N				40	20	314
Gordonia lasianthus	Loblolly Bay	N	E			35	25	875
Halesia carolina/tetraptera	Carolina Silverbell	N				40	30	707
Ilex latifolia	Lusterleaf Holly		E			40	20	314
Ilex opaca	American Holly	N	E			30	15	177
Juniperus virginiana	Eastern Red Cedar	N	E		P	50	10	79
Magnolia grandiflora 'Little Gem'	Little Gem Magnolia		E			35	12	113
Magnolia grandiflora 'Samuel Sommer'	Samuel Sommer Magnolia		E		P	40	20	314
Magnolia x soulangiana (Tree Form)	Saucer Magnolia			S		30	25	491
Nyssa sylvatica 'Red Rage'	Red Rage Black Gum	N			P	50	25	491
Ostrya virginiana	Eastern Hophornbeam	N		S		40	25	491

Oxydendron arboreum	Sourwood	N		S		30	20	314
Pinus nigra	Austrian Pine		E			30	20	314
Platanus x acerifolia	London Planetree			S	P	40	40	1256
Prunus serrulata	Japanese Flowering Cherry			S		30	20	314
Prunus subhirtella 'Atumnalis'	Autumn Cherry			S		30	30	707
Prunus x yedoensis	Yoshino Flowering Cherry			S		50	30	707
Quercus lyrata	Overcup Oak	N			P	45	30	707
Quercus stellata	Post Oak					50	40	1256
Sassafras albidum	Sassafras	N				30	15	177
Styrax japonica	Japanese Snowbell					30	15	177
Thuja occidentalis	Eastern Arborvitae		E			50	10	79
Ulmus parvifolia 'Athena'	Athena Chinese Elm			S	P	30	35	962

Large Tree Species List

Scientific name	Common Name	Na	Ev	Str	Pa	M	Sp	Ca
Acer barbatum cultivars	Florida Maple	N			P	60	35	962
Acer saccharum cultivars	Sugar Maple 'Legacy'	N			P	50	35	962
Betula nigra cultivars	River Birch 'Dura Heat' or 'Heritage'	N				50	40	1,256
Carya cordiformis	Bitternut Hickory	N			P	100	60	2,826
Carya glabra	Pignut Hickory	N		S	P	100	60	2,826
Carya ovata	Shagbark Hickory	N			P	80	40	1,256
Carya pallida	Sand Hickory	N			P	90	30	707
Carya tormentosa	Mockernut Hickory	N		S	P	100	60	2,826
Cedrus deodara	Deodar Cedar		E			70	30	707
Celtis laevigata	Sugarberry				P	70	50	1,963
Celtis occidentalis	Hackberry			S		50	40	1,256
Celtis sinensis	Chinese Hackberry			S		60	40	1,256
Cercidiphyllum japonicum	Katsura Tree				P	70	45	1,590
Cryptomeria japonica	Japanese Cryptomeria		E			60	20	314
Fagus grandifolia	American Beech	N				70	40	1,256

Fraxinus pennsylvanica	Green Ash	N		S		60	25	491
Ginkgo biloba (male)	Gingko, Maidenhair Tree			S	P	50	30	707
Gleditsia triacanthos inermis	Thornless Honeylocust	N		S	P	70	50	1963
Liquidambar styraciflua 'Rotundiloba'	Seedless Sweetgum	N			P	70	45	1,590
Liriodendron tulipifera	Tulip Poplar	N		S	P	90	40	1,256
Magnolia acuminata	Cucumber Magnolia	N				80	40	1,256
Magnolia grandiflora	Southern Magnolia	N	E			80	40	1,256
Magnolia virginiana	Sweetbay Magnolia	N			P	60	30	707
Metasequoia glyptostroboides	Dawn Redwood					80	25	491
Nyssa aquatica	Swamp Tupelo	N				70	40	1,256
Nyssa sylvatica	Black Gum	N			P	80	45	1,590
Pinus echinata	Shortleaf Pine	N	E		P	100	25	491
Pinus taeda	Loblolly Pine	N	E		P	100	25	491
Pinus virginiana	Virginia Pine		E		P	70	20	314
Platanus occidentalis	American Sycamore	N		S		100	45	1,590
Platanus x acerifolia	London Planetree			S	P	100	80	5,024
Quercus acutissima	Sawtooth Oak				P	60	50	1,963
Quercus alba	White Oak	N				80	60	2,826
Quercus bicolor	Swamp White Oak			S		60	50	1,963
Quercus coccinea	Scarlet Oak	N			P	70	45	1,590
Quercus falcata	Southern Red Oak	N		S	P	80	45	1,590
Quercus hemisphaerica 'Darlington'	Darlington Oak	N			P	90	50	1,963
Quercus laurifolia	Laurel Oak	N			P	80	50	1,963
Quercus macrocarpa	Bur Oak					80	80	5,024
Quercus muehlenbergii 'Engelm'	Chinkapin Oak			S	P	100	50	1,963
Quercus nigra	Water Oak			S	P	80	40	1,256
Quercus nutallii	Nuttal Oak	N		S	P	80	40	1,256
Quercus palustris	Pin Oak	N		S	P	70	40	1,256

Quercus phellos	Willow Oak	N		S	P	60	35	962
Quercus prinus	Chestnut Oak			S		70	50	1,963
Quercus robur	English Oak			S	P	60	50	1,963
Quercus rubra	Northern Red Oak			S	P	75	45	1,590
Quercus shumardii	Shumard Oak	N		S	P	80	60	2,826
Quercus stellata	Post Oak				P	50	40	1,256
Quercus velutina	Black Oak				P	70	45	1,590
Taxodium distichum	Bald Cypress	N		S	P	70	25	491
Thuja plicata	Western Arborvitea		E		P	70	25	491
Tilia americana	Basswood			S	P	80	45	1,590
Tsuga canadensis	Eastern Hemlock	N	E			60	35	962
Ulmus alata	Winged Elm	N			P	80	40	1,256
Ulmus americana 'Princeton'	Princeton American Elm			S	P	60	30	707
Ulmus parvifolia 'Emer II' *P.P. #7552*	Allée ® Chinese Elm			S	P	60	45	1590
Ulmus rubra	Slippery Elm	N			P	80	40	1,256
Ulmus x 'Morton' (Accolade)	Accolade Hybrid Elm			S	P	60	30	707
Ulmus x 'Pioneer'	"Pioneer' Elm			S	P	60	50	1,963
Zelkova serrata	Japanese Zelkova			S	P	70	50	1,963

Shrub List

Botanical Name	Common Name	Native	Height (ft.) (avg.)	Width (ft.) (avg.)	Moist	Wet	Drought-Tolerant	Adaptable Soils
Abelia x 'Edward Goucher'	Edward Goucher Abelia	x	6	5	x		x	
Abelia x grandiflora 'Kaleidoscope' & 'Canyon Creek'	Kaleidoscope or Canyon Creek Abelia	x	2	3	x		x	
Abelia x grandiflora 'Confetti'	Confetti Abelia		3-4	3-4	x		x	
Abelia x grandiflora 'Rose Creek'	Rose Creek Abelia		2-3	3-4	x		x	
Aesculus parviflora	Bottle brush Buckeye	x	6-12	12	x			
Agarista populifolia	Doghobble, leucothoe	x	8-12	6-8	x	x		
Amelanchier arborea	Serviceberry	x	10	6	x		x	x

Aucuba japonica	Japanese Aucuba		3-10	3-6	x			
Azalea 'Satsuki'	Gumpo Azalea		2	3	x			
Azalea 'Southern indica'	Southern azalea		7-10	6	x			
Azelea Encore	Encore Azaleas		2.5 - 5	2-5	x			x
Buxus microphylla	Boxwood many varieties		3-20	3-20	x			
Buxus sempervirens	English boxwood		5-8	5	x			
Callicarpa Americana	Beautyberry	x	3-6	3-5	x			
Callicarpa americana	American Beautyberry	x	8	6				
Calycanthus floridus	Sweetshrub, Carolina allspice	x	6-12	6	x		x	x
Camellia	Camelia		3-15	4-8	x			x
Caryopteris × clandonensis 'Worcester Gold'		x	6	3			x	x
Cephalotaxus harringtonii 'Prostrata'	Creeping Japanese Plum Yew		3	4	x		x	
Chamaecyparis obtusa 'Nana Gracilis'	Hinoki False Cypress		12	5	x			
Chamaecyparis pisifera filifera 'Golden Charm'	False Cypress		6	8	x			
Chamaecyparis pisifera filifera 'Golden Mop'	Threadleaf False Cypress		4	3	x			
Chamaecyparis pisifera filifera 'Mops'	Threadleaf False Cypress		5	5	x			
Chamaecyparis pisifera filifera 'Sun Gold'	Threadleaf False Cypress		8	6	x			
Clethra alnifolia 'Hummingbird'	Summersweet	x	3	4		x		x
Clethra alnifolia 'Ruby Spice'	Summersweet	x	8	8		x		x
Clethra alnifolia 'Sixteen Candles'	Summersweet	x	6	6		x		x
Cryptomeria japonica 'Elegans Aurea '	Japanese cedar		15	20				x
Cryptomeria japonica 'Nana Globus'	Japanese cedar		5	5				x
Cryptomeria japonica 'Yoshino'	Japanese cedar		30	25				x
Deutzia gracilis 'nikko'	Dwarf Nikko deutzia		2	5	x			
Distylium 'hybrid' 'Vintage Jade', 'Blue Cascade' and 'Emerald Heights	Evergreen witch hazel		2-5	6		x	x	x

Edgeworthia chrysantha	Paperbush		6	6	x			
Fothergilla	Mountain witch alder	x	4-12	4-6	x			
Fothergilla gardenii		x	2	3	x			
Fothergilla major	American Witch-Alder	x	4	6	x			
Gardenia jasminoides	Common gardenia		4-6	5	x			
Gardenia jasminoides 'radicans'	Creeping dwarf gardenia		3	5	x			
Hamamelis viginiana	Witch Hazel	x	10-12	10-12	x	x		x
Hydrangea	Hydrangea		3-8	3-6	x			
Hypericum calycinum 'Hidcote'	St. John's Wort		4	3			x	x
Ilex cornuta 'Carissa	Carissa Holly		4	4			x	
Ilex cornuta 'Dwarf Burford'	Dwarf Burford holly		15	6-8			x	
Ilex crenata 'Helleri'	Japanese Helleri holly		4	5			x	
Ilex crenata 'Sky Pencil'	Sky Pencil holly		10	3	x			
Ilex crenata 'Soft Touch'	Soft touch		3	3				
Ilex verticillata	Winterberry	x	8	5				
Ilex vomitoria 'Condeaux'	Bordeaux Dwarf Yaupon Holly		3	3			x	
Illicium floridanum, parviflorum	Florida Anise	x	6	6	x	x		
Illicium henryi	Henryi, Star anise		7-15	8	x	x		
Itea virginica	Virginia sweetspire	x	2-4	4-6	x	x		x
Jasmine nudiflorum	Winter jasmine		3-4	3-4	x		x	
Kerria japonica 'Pleniflora'	Japanese Kerria, Japanese rose		5-10	6-10	x	x	x	x
Leucothoe fontanesiana and axillaris	Weeping leucothoe, variegated leucothoe	x	3-6	3-6	x	x		
Lindera benzoin	spicebush	x	6-12	6-12	x	x	x	x
Loropetalum 'Emerald snow'	Emerald Snow Fringe Flower		3-4	3-4	x			
Loropetalum 'Ruby'	Fringe flower		4-6	4-6	x			
Loropetalum chinense 'Chang Nian Hong'	'Ever Red' Fringe Flower		6	6	x			
Loropetalum chinense 'Peack' Weeping	Purple Pixie Fringe Flower		2	4	x			
Loropetalum chinense 'Rubrum'	Crimson fire'		2	3	x			
Loropetalum chinense 'Shang-hi' compact	Purple Diamond Fringe Flower		5	5	x			
Myrica cerifera	Wax Myrtle	x	6-12	6-12	x	x	x	x
Osmanthus fragrans	Fragrant tea olive		10	8	x			x

Osmanthus heterophyllus 'Goshiki'	Goshiki' False Holly		5	4	x			
Osmanthus x fortunei	Fortune's tea olive		20	20	x			x
Philadelphus coronarius x 'Natchez'	Mock Orange		10	6	x		x	
Pieris japonica	Japanese pieris		3-12	3-8	x			
Pinus mugo	Mugo Pine		3-5	3-5	x			
Prunus caroliniana	Cherry laurel	x	12-20	8-10	x		x	
Rhododendron alabamense	Alabama Azalea	x	8	6			x	
Rhododendron canescens	Piedmont Azalea	x	6	5	x		x	
Rhododendron flammeum R. speciosum	Oconee Azalea	x	5	6				
Rosa	Shrub roses		3-6	3-5	x			
Spiraea thunbergii	Spirea - many cultivars		3-8	3-6	x			
Thuja (standish x plicata) 'Green Giant'	Arborvitae	x	30+	10	x			x
Thuja occidentalis 'Emerald'	Arborvitae		15	4	x			x
Thuja occidentalis 'Golden Globe'	Arborvitae		4	4	x			x
Thuja occidentalis 'Pyramidalis'	Arborvitae		20	6	x			x
Vaccinium arboreum	Sparkleberry	x	10	6	x			x
Vaccinium ashei	Blueberry	x	8	6	x			x
Viburnum	many varieties		5-10	5-10	x			
Viburnum prunifolium	Blackhaw Viburnum	x	12	8			x	
Viburnum rufidulum	Rusty Blackhaw	x	8	8			x	
Weigela florida	Weigela		3-20	3-12	x		x	

Prohibited Plant List

Georgia Exotic Pest Plant Council (GA-EPPC)		
Botanical Name	**Common Name**	**GA-EPPC Threat Category**
TREE		
Pyrus calleryana	Callery (Bradford) Pear	3
SHRUB		
Berberis thunbergii	Japanese Barberry	3
Celastrus orbiculatus	Oriental Bittersweet	1 Alert
Elaeagnus pungens	Thorny Olive	2
Elaeagnus umbellata	Autumn Olive	1
Lantana camara	Largeleaf Lantana	3
Ligustrum japonicum	Japanese Privet	2
Ligustrum lucidum	Glossy Privet	3
Ligustrum sinense	Chinese Privet	1
Mahonia bealei	Leatherleaf Mahonia	3
Nandina domestica	Nandina or Sacred Bamboo	2
Spiraea japonica	Japnese Spiraea	2
VINE/GROUNDCOVER		
Amelopsis brevipedunculata	Porcelain-berry	3
Hedera helix	English Ivy	1
Vinca major	Big Periwinkle	2
Vinca minor	Common Periwinkle	2
GRASSES		
Miscanthus sinensis	Chinese Silvergrass	2
Eragrostis curvula	Weeping Lovegrass	3
Liriope spicata	Creeping Lily Turf	3
Category 1 - Exotic plant that is a serious problem in Georgia natural areas by extensively invading native plant communities and displacing native species.		

Category 1 Alert - Exotic plant that is not yet a serious problem in Georgia natural areas, but that has significant potential to become a serious problem.		
Category 2 - Exotic plant that is a moderate problem in Georgia natural areas through invading native plant communities and displacing native species, but to a lesser degree than Category 1 species.		
Category 3 - Exotic plant that is a minor problem in Georgia natural areas, or is not yet known to be a problem in Georgia but is known to be a problem in adjacent states.		

Appendix Section 4.0 Reserved

Appendix Section 5.0 Reserved