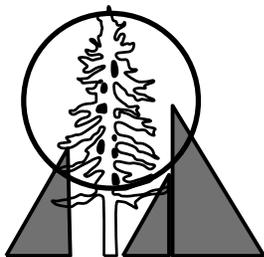


PAVEMENT SCHEDULE

- Ⓒ 1 1/2" BITUMINOUS CONCRETE WEARING SURFACE COURSE
- Ⓓ 2 1/2" BITUMINOUS BINDER COURSE
BELOW WEARING SURFACE
- Ⓔ 5" BITUMINOUS CONCRETE BASE COURSE, OR 8"
COMPACTED AGGREGATE BASE COURSE
- Ⓖ 2'-0" VALLEY GUTTER
- Ⓢ 5' WIDE CONCRETE SIDEWALK (4" MIN. THICKNESS)

NOTES

1. SIDEWALK SHALL BE PROVIDED ON BOTH SIDES OF THE STREET A MINIMUM OF 3' FROM THE BACK OF CURB.
2. THE CROWN (TRANSVERSE SLOPE) FOR THE TYPICAL SECTIONS ON THIS SHEET IS 3/8" PER FT.
3. SEE STANDARD STREET NOTES C-4
4. SEE ACCESSIBLE RAMP STANDARD C-9



The Good Life

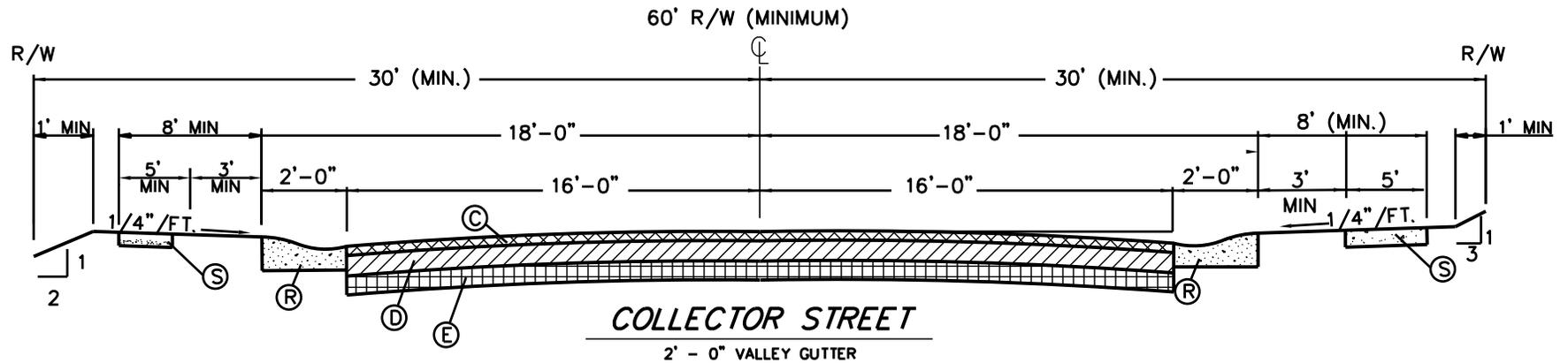
REVISIONS

NO	DATE	DESCRIPTION
1		REVISED PAVEMENT SCHEDULE

CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

LOCAL RESIDENTIAL STREET

STD. NO	REV
C-1	1

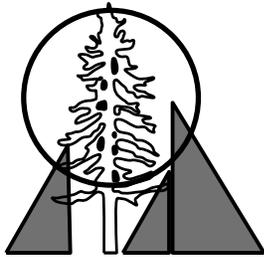


PAVEMENT SCHEDULE

- Ⓒ 2" BITUMINOUS CONCRETE WEARING SURFACE COURSE
- Ⓓ 3" BITUMINOUS BINDER COURSE
BELOW WEARING SURFACE
- Ⓔ 5" BITUMINOUS CONCRETE BASE COURSE, OR 8"
COMPACTED AGGREGATE BASE COURSE
- Ⓖ 2'-0" VALLEY GUTTER
- Ⓢ 4" CONCRETE SIDEWALK

NOTES

1. SIDEWALK SHALL BE PROVIDED ON BOTH SIDES OF THE STREET A MINIMUM OF 3' FROM THE BACK OF CURB.
2. THE CROWN (TRANSVERSE SLOPE) FOR THE TYPICAL SECTIONS ON THIS SHEET IS 3/8" PER FT.
3. SEE STANDARD STREET NOTES C-4
4. SEE ACCESSIBLE RAMP STANDARD C-9



The Good Life

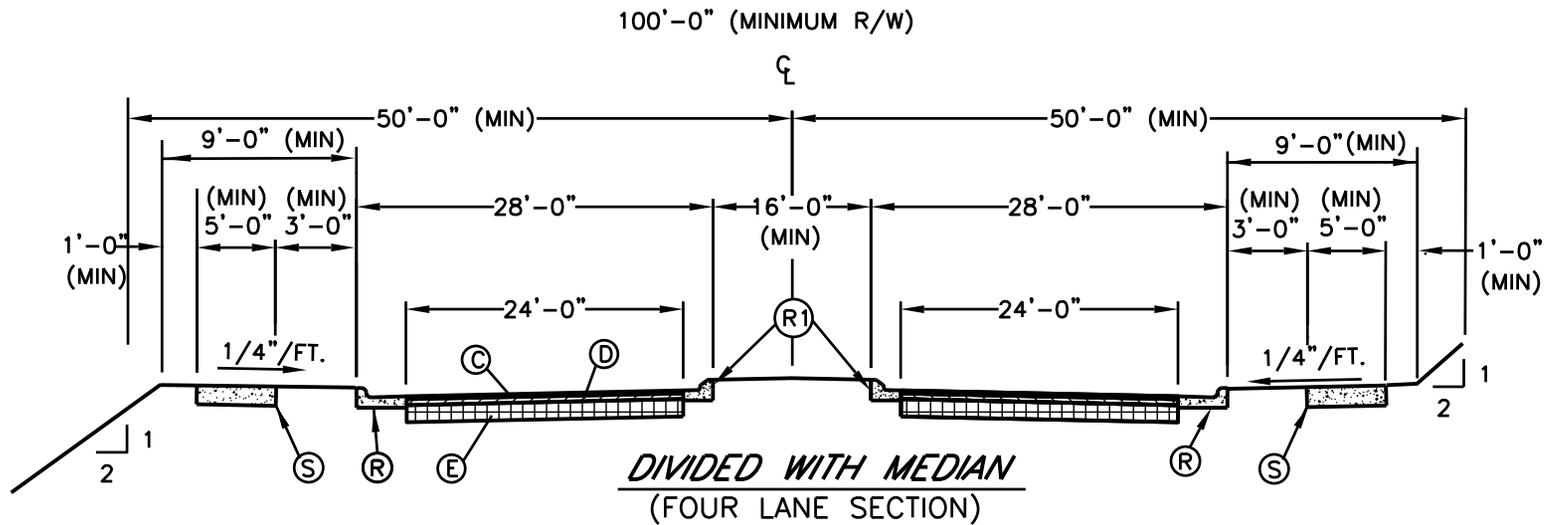
REVISIONS

NO	DATE	DESCRIPTION
1		REVISED PAVEMENT SCHEDULE

**CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS**

COLLECTOR STREET

STD. NO	REV
C-2	1

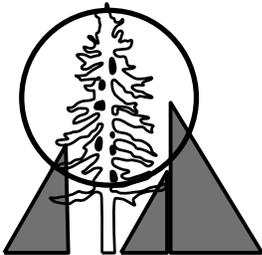


PAVEMENT SCHEDULE

- Ⓒ 1 1/2" BITUMINOUS CONCRETE WEARING SURFACE COURSE
- Ⓓ 3" BITUMINOUS BINDER COURSE BELOW WEARING SURFACE
- Ⓔ 8" BITUMINOUS CONCRETE BASE COURSE, OR 12 1/2" COMPACTED AGGREGATE BASE COURSE
- Ⓖ 2'-6" CURB AND GUTTER
- Ⓗ 1'-6" CURB AND GUTTER
- Ⓢ 4" CONCRETE SIDEWALK

NOTES:

1. CURB RETURN RADIUS DIMENSIONS AT INTERSECTIONS MAY VARY DEPENDING ON MEDIAN WIDTH AND WILL BE APPROVED ON A CASE BY CASE BASIS.
2. SUBDRAINS ARE REQUIRED ON ALL MEDIANS. (TO BE TIED INTO STORM DRAINAGE SYSTEM).
3. IN COMMERCIAL DEVELOPMENTS ASPHALT SURFACE COURSE TYPE AND THICKNESS WILL BE SPECIFIED BY DESIGNER
4. MEDIAN PLANTINGS SHALL MEET SIGHT DISTANCE REQUIREMENTS.
5. THE CROWN (TRANSVERSE SLOPE) FOR THE TYPICAL SECTION ON THIS SHEET IS 3/8" PER FOOT.
6. EACH ADDITIONAL LANE SHALL BE 11'-0" WIDE
7. SEE STANDARD STREET NOTES C-4
8. SEE ACCESSIBLE RAMP STANDARD C-9



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REVISIONS

NO	DATE	DESCRIPTION
1		REVISED PAVEMENT SCHEDULE

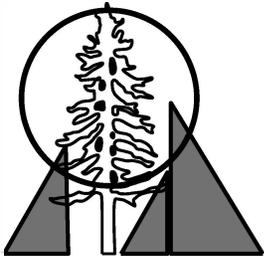
**CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS**

ARTERIAL STREET

STD. NO	REV
C-3	1

STANDARD STREET NOTES

1. THE CONTRACTOR, AT HIS OR HER EXPENSE, SHALL PROVIDE A MINIMUM OF THREE CORE FOR EACH STREET OF 800 FEET OR LESS AND ONE FOR EACH ADDITIONAL 500 FEET. ASPHALT DEPTHS SHALL BE NO LESS THAN 1/4" INCH AVERAGE PER CORE LESS THAN THE MINIMUM REQUIREMENT. ADDITIONAL CORES MAY BE TAKEN TO DETERMINE THE EXTENT OF THE AREA THAT DOES NOT MEET THESE MINIMUM DEPTHS. AREAS THAT DO NOT MEET THESE MINIMUM DEPTHS SHALL BE CORRECTED BY OVERLAYING THE SUBSTANDARD AREAS WITH THE GREATER OF A ONE INCH THICKNESS OF HOT LAID ASPHALT OR THE THICKNESS OF THE SHORT FALL PLUS 1/2" INCH.
2. THE INSTALLATION OF THE FINAL 1 1/2" ASPHALT SURFACE COURSE WITH TACT IS TO BE DELAYED UNTIL AFTER 75% HOME CONSTRUCTION IS SUBSTANTIALLY COMPLETE TO A MAXIMUM OF 18 MONTHS.
3. PRIME WILL BE REQUIRED IF PAVEMENT IS TO BE PLACED MORE THAN 72 HOURS AFTER AN APPROVED AGGREGATE BASE COURSE INSPECTION OR WHERE STREET SLOPES ARE 6% OR GREATER. WHERE STREET SLOPES ARE 8% OR GREATER, THE PAVING CONTRACTOR MUST SUBMIT A DETAILED ROLLING PLAN TO CITY OF TEGA CAY TO ENSURE THE PREVENTION ON SLIPPAGE DURING THE COMPACTION PROCESS.
4. CONTRACTOR SHALL GIVE 48 HOURS NOTICE TO THE CITY OF TEGA CAY AT (803) 548-3512 PRIOR TO BEGINNING GRADING AND CONSTRUCTION ON ANY STREET PROPOSED TO BE ACCEPTED INTO THE CITY OF TEGA CAY STREET SYSTEM OR MAINTAINED AS PRIVATE.
5. INDIVIDUAL LOT IRRIGATION SYSTEMS ARE NOT PERMITTED WITHIN THE STREET RIGHT OF WAY.
6. THE DEVELOPER, INDIVIDUAL LOT OWNER, OR THEIR REPRESENTATIVES SHALL NOT PIPE OR FILL IN STREET SIDE DITCHES NOR DISCHARGE LOT OR ROOF DRAINAGE SYSTEMS INTO STREET SIDE DITCHES, ENCLOSED STREET DRAINAGE SYSTEMS, OR STREET RIGHT OF WAY WITHOUT SUBMITTING A STREET ENCROACHMENT PERMIT TO CITY OF TEGA CAY PUBLIC WORKS DEPARTMENT FOR APPROVAL.
7. BEFORE ANY INSPECTION OF STREETS MAY BE SCHEDULED, A LETTER OR REPORT FROM AN INDEPENDENT STATE LICENSED GEOTECHNICAL ENGINEER/TESTING LABORATORY (ITL). SHALL BE SUBMITTED TO THE CITY OF TEGA CAY DOCUMENTING THE FOLLOWING:
 - A. THE LOCATION OF ANY EXISTING WET, MARGINAL, OR UNSUITABLE SOILS WITHIN THE STREET RIGHT OF WAY WERE EITHER UNDERCUT AND REPLACED, SCARIFIED TO DRY AND RE-COMPACTED, PROPERLY BRIDGED WITH A STABILIZATION FABRIC, OR STABILIZED WITH LIME AND/OR CEMENT OR SOME OTHER ACCEPTABLE PROCESS.
 - B. IN AREAS REQUIRING FILL MATERIAL, SUITABLE STREET FILL MATERIAL HAS BEEN USED AND PLACED IN ACCORDANCE WITH CITY OF TEGA CAY AND SCDOT PROCEDURES AND COMPACTION SPECIFICATIONS.



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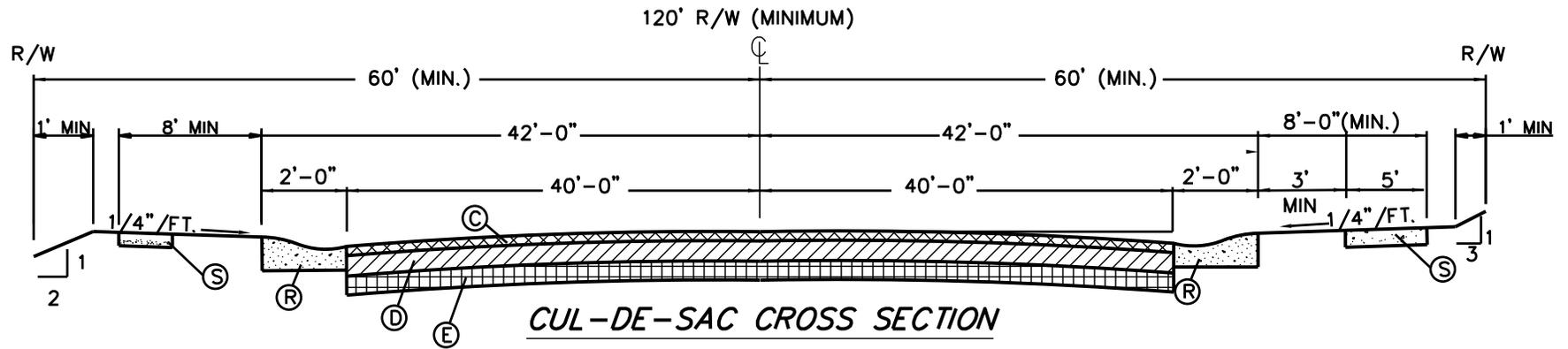
REVISIONS

NO	DATE	DESCRIPTION
1		REVISED NOTE 2

**CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS**

STANDARD STREET NOTES

STD. NO	REV
C-4	1

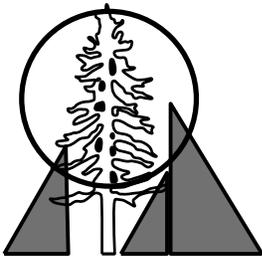
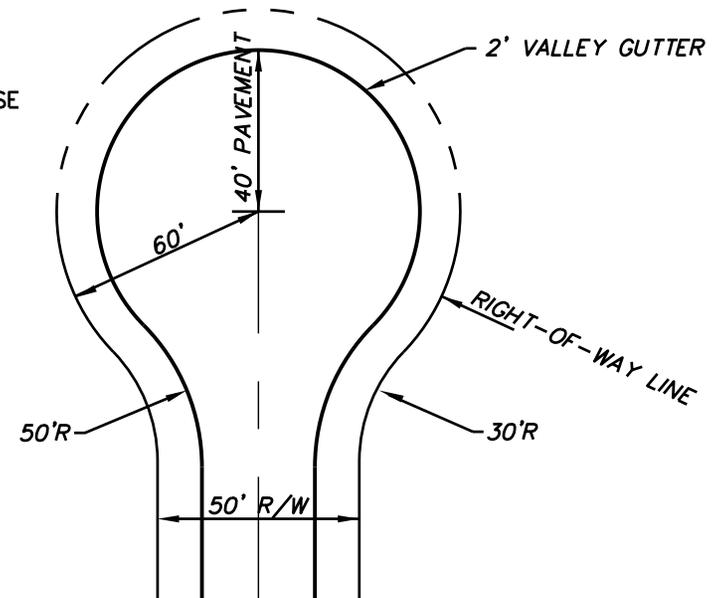


PAVEMENT SCHEDULE

- Ⓒ 1 1/2" BITUMINOUS CONCRETE WEARING SURFACE COURSE
- Ⓓ 2 1/2" BITUMINOUS BINDER COURSE BELOW WEARING SURFACE
- Ⓔ 5" BITUMINOUS CONCRETE BASE COURSE, OR 8" COMPACTED AGGREGATE BASE COURSE
- Ⓡ 2'-0" VALLEY GUTTER
- Ⓢ 4" CONCRETE SIDEWALK

NOTES

1. SIDEWALK SHALL BE PROVIDED ON BOTH SIDES OF THE STREET A MINIMUM OF 3' FROM THE BACK OF CURB.
2. THE CROWN (TRANSVERSE SLOPE) FOR THE TYPICAL SECTIONS ON THIS SHEET IS 3/8" PER FT.
3. SEE STANDARD STREET NOTES C-4
4. SEE ACCESSIBLE RAMP STANDARD C-9



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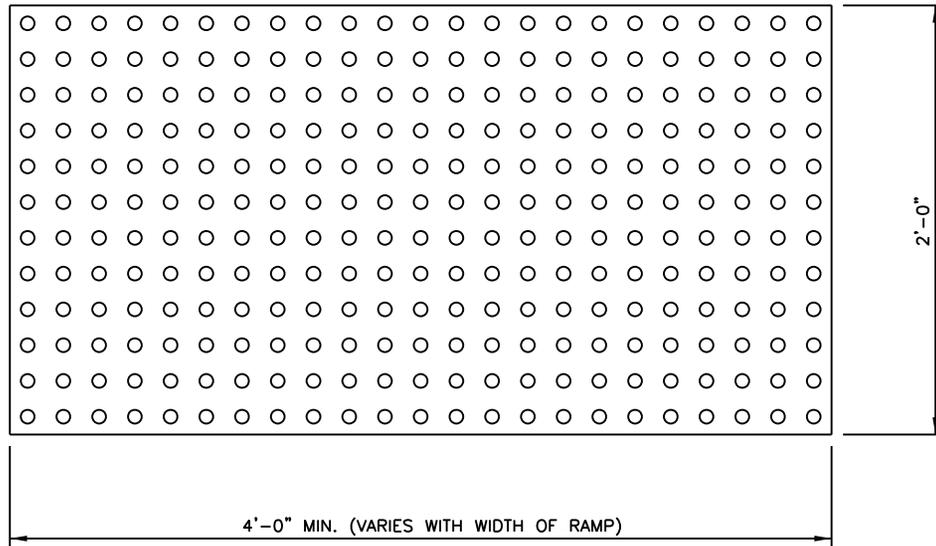
REVISIONS

NO	DATE	DESCRIPTION
1		REVISED PAVEMENT SCHEDULE

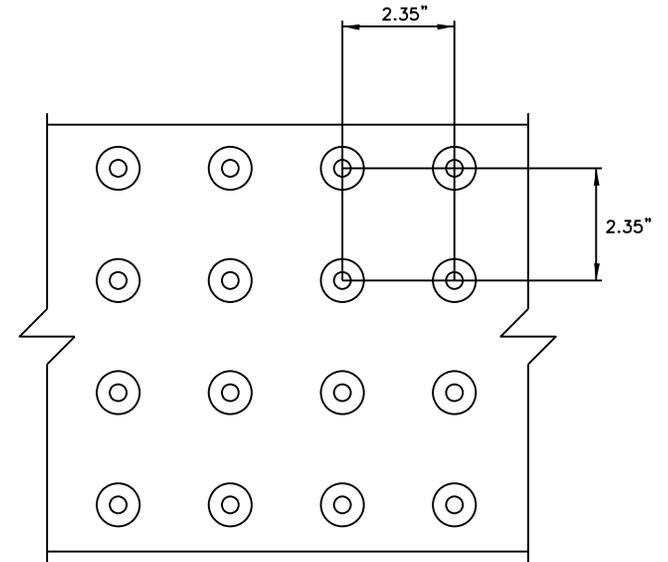
CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

RESIDENTIAL STREET CUL-DE-SAC

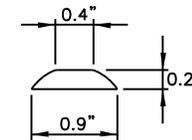
STD. NO	REV
C-5	1



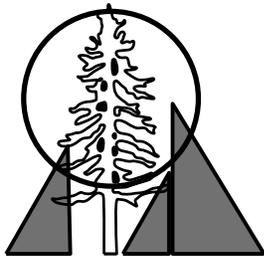
TRUNCATED DOME PLAN VIEW



TRUNCATED DOME SPACING



TRUNCATED DOME SECTION



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NOTES:

1. DETECTABLE WARNINGS SHALL BE OF THE PAVER TYPE OR MAT CAST IN PLACE WITH ANCHORS PER MANUFACTURERS SPECIFICATIONS.
2. WIDTH OF DETECTABLE WARNING AREA SHALL BE A MINIMUM OF 4 FEET AND VARY WITH WIDTH OF RAMP.
3. LENGTH OF DETECTABLE WARNING AREA SHALL BE 2 FEET REGARDLESS OF SECTION WIDTH.
4. DETECTABLE WARNING AREA CAN BE SQUARE WHERE USED IN A CURB RADIUS.
5. DETECTABLE WARNING DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
6. DETECTABLE WARNING AREA SHALL BE COLORED YELLOW.
7. IF PAVERS ARE TO BE USED, PAVERS SHALL BE 6" THICK AND CAST FROM 5000 PSI CONCRETE.
8. IF MATS ARE TO BE USED, EDGES SHALL BE BEVELED TO ELIMINATE TRIP HAZARD.

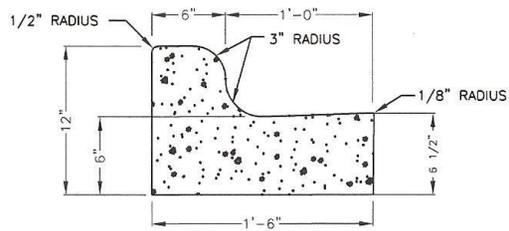
REVISIONS

NO	DATE	DESCRIPTION

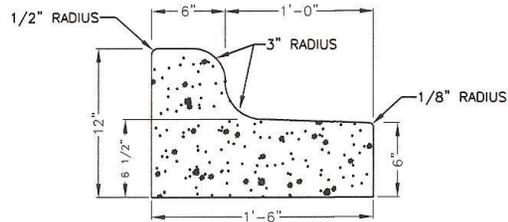
CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

TRUNCATED DOMES
PLAN AND CROSS-SECTION

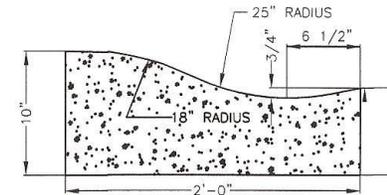
STD. NO	REV
C-17	0



STANDARD 1'-6" CURB AND GUTTER

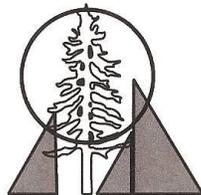


1'-6" MEDIAN CURB AND GUTTER

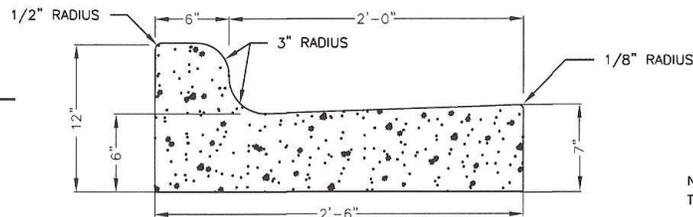


2'-0" VALLEY GUTTER

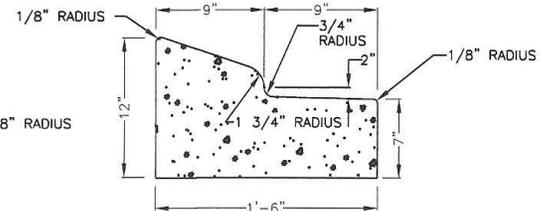
NOTE: TO BE USED IN MEDIANS WHEN LANES ARE SLOPED FROM ISLAND OR AS SPECIFIED BY THE APPROPRIATE CITY/COUNTY ENGINEERING DEPT.



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STANDARD 2'-6" CURB AND GUTTER



NOTE: TO BE USED IN MEDIANS ONLY WHEN SPECIFIED BY THE APPROPRIATE CITY/COUNTY ENGINEERING DEPT.

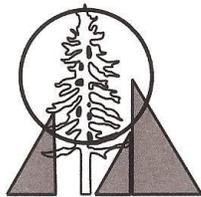
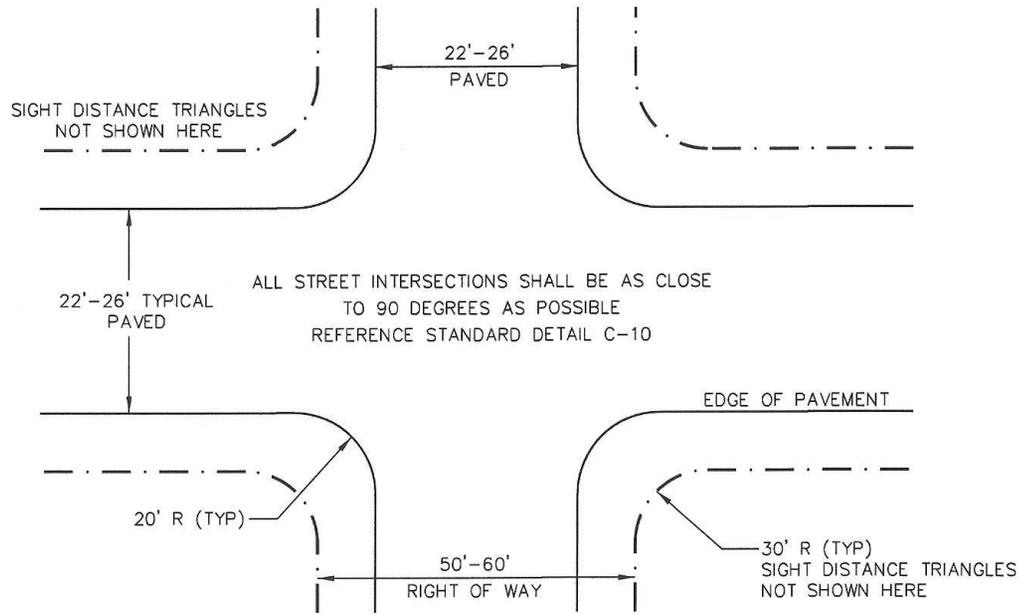
1'-6" MOUNTABLE CURB AND GUTTER

REVISIONS		
NO	DATE	DESCRIPTION
1		REVISED CURB & GUTTER SCHEDULE

CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

CONCRETE CURB AND GUTTER STANDARDS

STD. NO	REV
C-7	1



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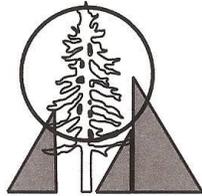
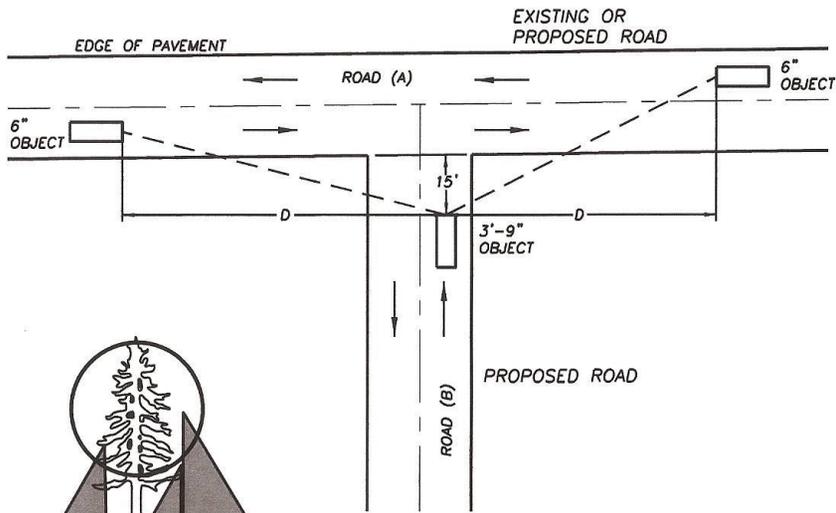
REVISIONS		
NO	DATE	DESCRIPTION
1		REVISED INTERSECTION SCHEDULE

CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

TYPICAL INTERSECTION RADIUS RETURNS

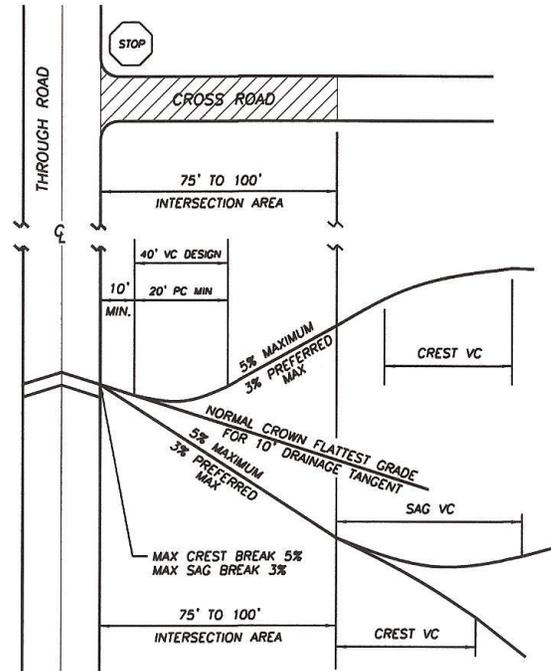
STD. NO	REV
C-8	1

D (FEET) = DESIGN SPEED (MPH) X 10
 FOR EXAMPLE ALL 25 MPH RESIDENTIAL STREETS D = 250 FEET MINIMUM
 ALL CONNECTIONS TO TEGA CAY DRIVE D = 350 FEET MINIMUM



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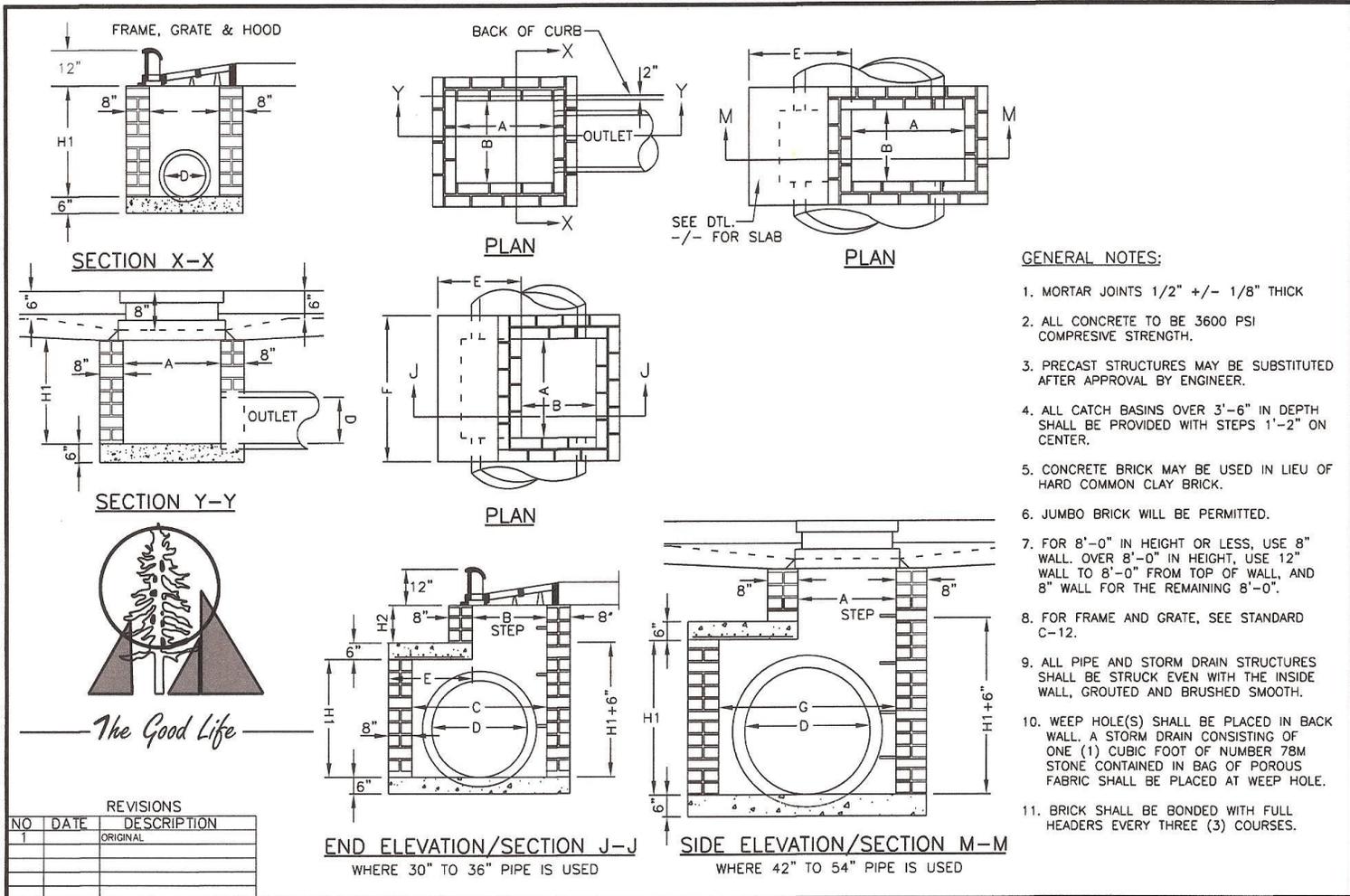
REVISIONS		
NO	DATE	DESCRIPTION
1		ORIGINAL



CITY OF TEGA CAY
 LAND DEVELOPMENT
 STANDARDS

TYPICAL INTERSECTION DESIGN STANDARDS

STD. NO	REV
C-10	1



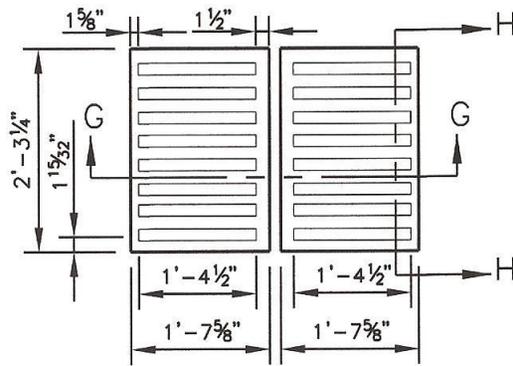
- GENERAL NOTES:**
- MORTAR JOINTS 1/2" +/- 1/8" THICK
 - ALL CONCRETE TO BE 3600 PSI COMPRESSIVE STRENGTH.
 - PRECAST STRUCTURES MAY BE SUBSTITUTED AFTER APPROVAL BY ENGINEER.
 - ALL CATCH BASINS OVER 3'-6" IN DEPTH SHALL BE PROVIDED WITH STEPS 1'-2" ON CENTER.
 - CONCRETE BRICK MAY BE USED IN LIEU OF HARD COMMON CLAY BRICK.
 - JUMBO BRICK WILL BE PERMITTED.
 - FOR 8'-0" IN HEIGHT OR LESS, USE 8" WALL. OVER 8'-0" IN HEIGHT, USE 12" WALL TO 8'-0" FROM TOP OF WALL, AND 8" WALL FOR THE REMAINING 8'-0".
 - FOR FRAME AND GRATE, SEE STANDARD C-12.
 - ALL PIPE AND STORM DRAIN STRUCTURES SHALL BE STRUCK EVEN WITH THE INSIDE WALL, GROUTED AND BRUSHED SMOOTH.
 - WEEP HOLE(S) SHALL BE PLACED IN BACK WALL. A STORM DRAIN CONSISTING OF ONE (1) CUBIC FOOT OF NUMBER 78M STONE CONTAINED IN BAG OF POROUS FABRIC SHALL BE PLACED AT WEEP HOLE.
 - BRICK SHALL BE BONDED WITH FULL HEADERS EVERY THREE (3) COURSES.

REVISIONS		
NO	DATE	DESCRIPTION
1		ORIGINAL

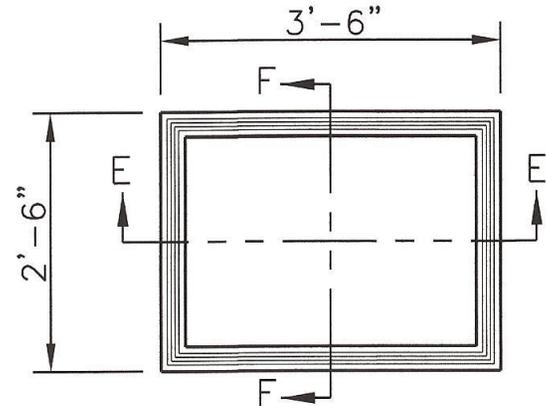
CITY OF TEGA CAY
 LAND DEVELOPMENT
 STANDARDS

TYPICAL BRICK CATCH BASIN

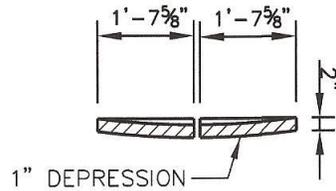
STD. NO	REV
C-11	1



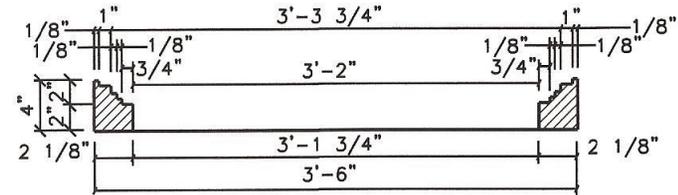
PLAN OF GRATING
CAST IRON



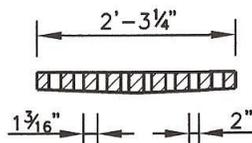
PLAN OF FRAME
CAST IRON



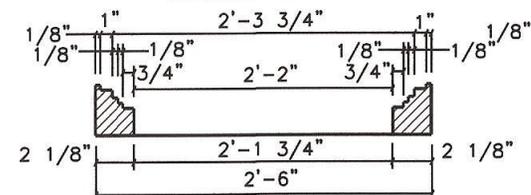
SECTION G-G



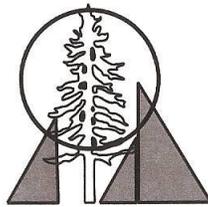
SECTION E-E



SECTION H-H



SECTION F-F



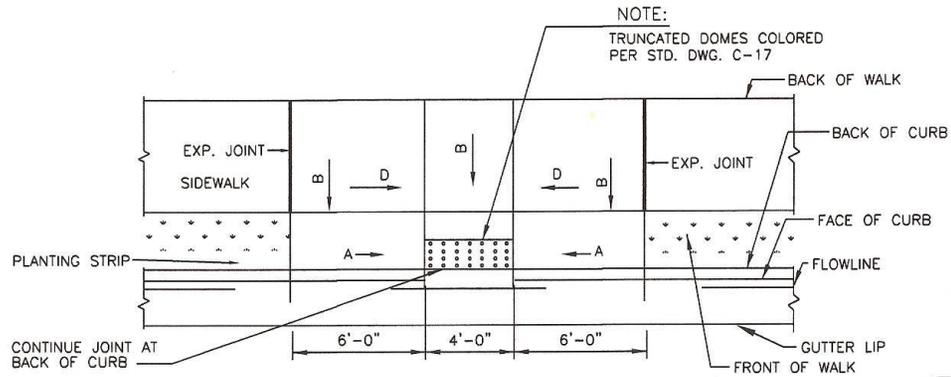
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REVISIONS		
NO	DATE	DESCRIPTION
1		REVISED FRAME & GRATE SCHEDULE

CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

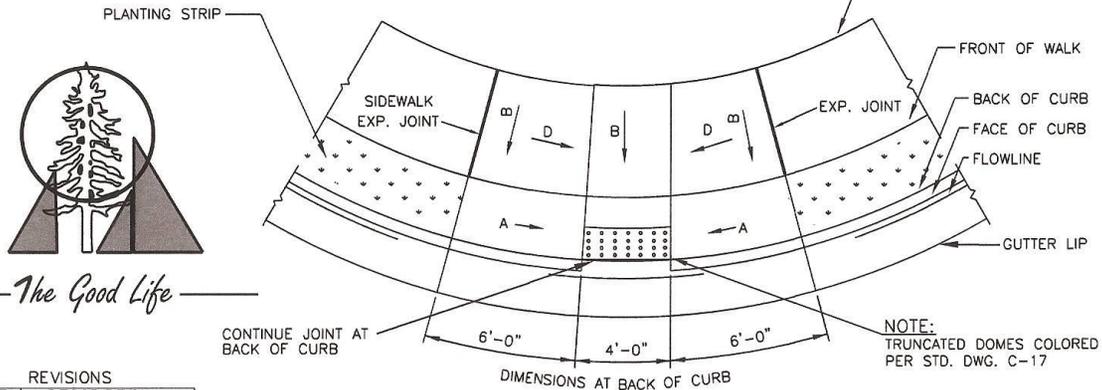
TYPICAL FRAME, GRATE, AND HOOD

STD. NO	REV
C-12	1

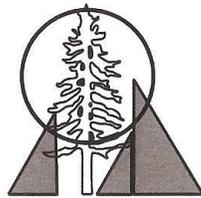


PLAN VIEW-PARALLEL RAMP
WITH PLANTING STRIP

SLOPE "A"	12:1
SLOPE "B"	1/4"/FT
SLOPE "D"	3/8"/FT



PLAN VIEW-DIAGONAL RAMP WITH PLANTING STRIP



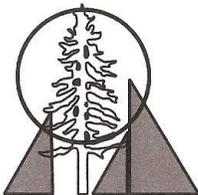
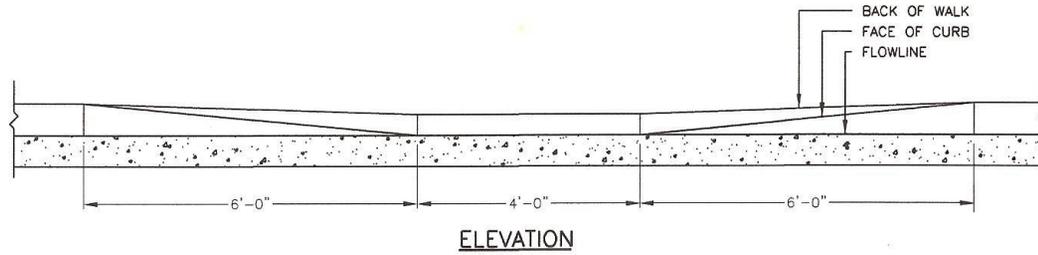
The Good Life

REVISIONS		
NO	DATE	DESCRIPTION
0		INITIAL

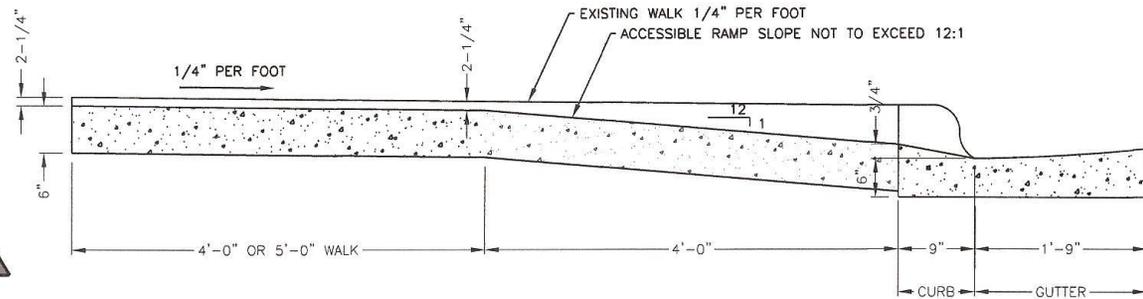
CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

ACCESSIBLE RAMP STANDARD WITH PLANTING STRIP
2'-6" CURB AND GUTTER

STD. NO	REV
C-14	0



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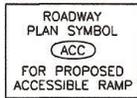
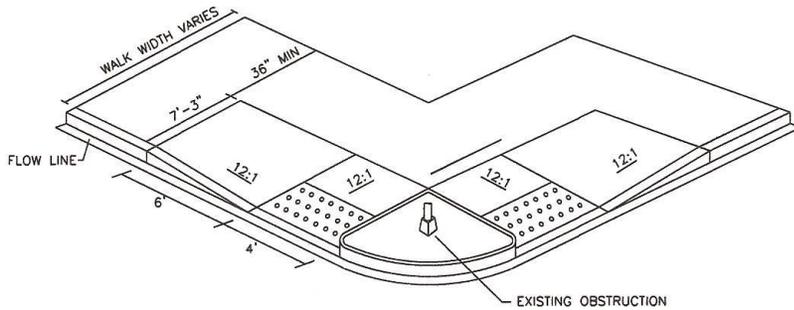


REVISIONS		
NO	DATE	DESCRIPTION
0		INITIAL

CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

ACCESSIBLE RAMP SECTIONS WITH PLANTING STRIP
2-6" CURB AND GUTTER

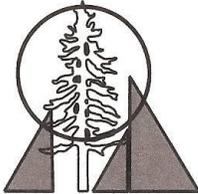
STD. NO	REV
C-15	0



PLACEMENT FOR OBSTRUCTED CORNER RADIUS OR CORNER RADIUS LESS THAN TEN FEET

NOTES:

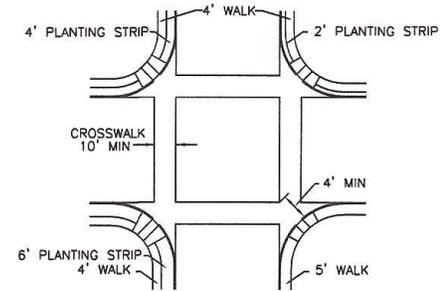
1. RAMP AND WING SLOPES SHALL NOT BE STEEPER THAN 12:1.
2. GUTTER FLOW LINE AND PLAN PROFILE SHALL BE MAINTAINED THROUGH THE RAMP AREA.
3. THE SURFACE OF THE RAMP SHALL BE FLUSH WITH THE FLOWLINE OF THE CURB AND GUTTER.
4. THE RAMP OPENING (AT THE FULLY DEPRESSED CURB) SHALL BE LOCATED WITHIN THE PARALLEL BOUNDARIES OF THE CROSSWALK MARKINGS. THE RAMP CENTERLINE SHALL BE LOCATED AT THE CORNER RADIUS CENTERLINE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DIAGONAL CURB RAMPS SHALL HAVE A SEGMENT OF STRAIGHT CURB AT LEAST 24 INCHES LONG LOCATED ON EACH SIDE OF THE WING SLOPE AND WITHIN THE CROSSWALK MARKINGS.
5. THE WING AND RAMP SURFACES SHALL BE 3600 PSI CONCRETE WITH A SIDEWALK FINISH IN ACCORDANCE WITH CURRENT EDITION SCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
6. DRAINAGE STRUCTURES, MAST ARMS, LIGHT POLES AND OTHER OBSTRUCTIONS SHALL NOT BE PLACED IN LINE WITH RAMPS. LOCATION OF THE RAMP SHALL TAKE PRECEDENCE OVER LOCATION OF OBSTRUCTIONS EXCEPT WHERE EXISTING OBSTRUCTIONS ARE BEING UTILIZED IN THE NEW CONSTRUCTION.
7. AT ALL LOCATIONS, NOT LESS THAN 2 FEET OF FULL HEIGHT CURB SHALL BE PLACED BETWEEN THE RAMPS.
8. SEE STANDARD DRAWING C-17 FOR DETECTABLE WARNING INSTALLATION.



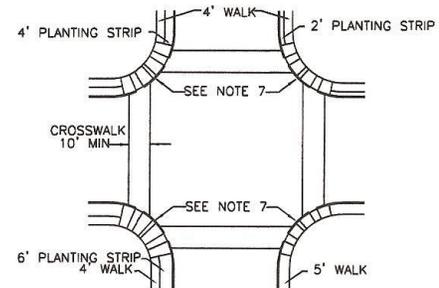
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REVISIONS

NO	DATE	DESCRIPTION
0		INITIAL



TYPICAL LOCATION OF ACCESSIBLE RAMPS AND PEDESTRIAN CROSSWALKS ON SUBDIVISION STREETS



TYPICAL LOCATION OF ACCESSIBLE RAMPS AND PEDESTRIAN CROSSWALKS ON THOROUGHFARES/SIGNALIZED INTERSECTIONS
SEE SCDOT STANDARD DRAWINGS

**CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS**

**STANDARD PLACEMENT OF ACCESSIBLE
RAMP AND GENERAL NOTES**

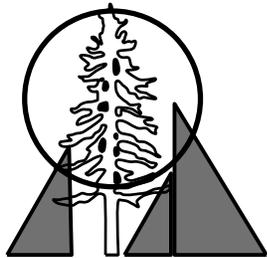
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C-16	0

DRIVEWAY WIDTHS AND RADII

DRIVEWAY CLASS	DRIVEWAY WIDTH (FEET)	MINIMUM RADIUS RETURNS (FEET)
LOW VOLUME	10-24	15
MEDIUM VOLUME	24-40*	30 (40 RECOMMENDED)
HIGH VOLUME	40**	**
MAJOR VOLUME	**	**

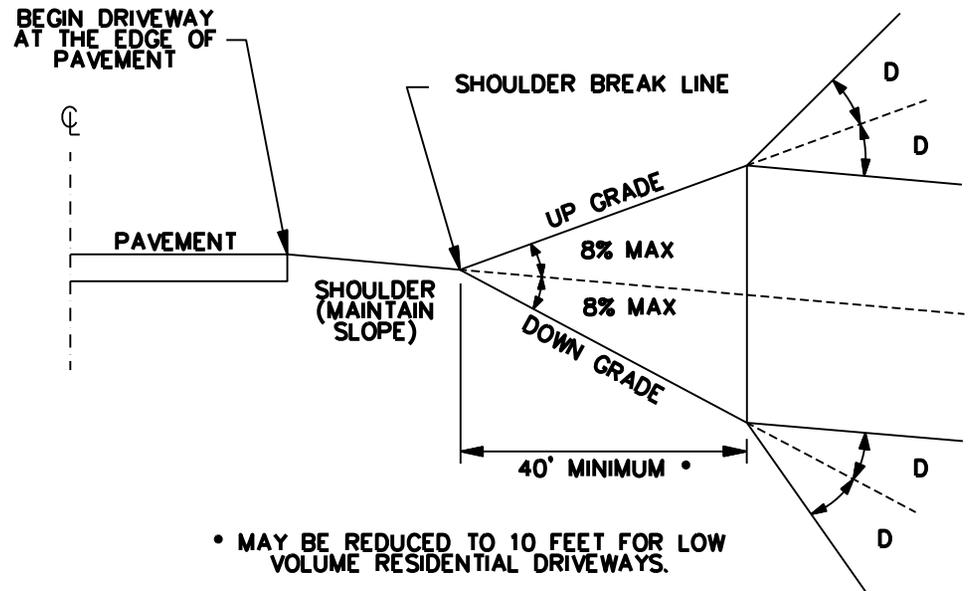
*A 40FT DRIVEWAY IS USUALLY MARKED WITH TWO EXIT LANES OF 12FT WIDTH, WITH THE BALANCE OF 16FT USED FOR A SINGLE, WIDE ENTRY LANE. WHEN A MEDIAN DIVIDER IS USED, THE THROAT WIDTH SHOULD BE INCREASED TO MAINTAIN THE SAME LANE WIDTHS.

**DRIVEWAY WIDTHS, RADII, AND LANE REQUIREMENTS ARE DETERMINED BY A TRAFFIC STUDY.



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MEDIUM VOLUME DRIVEWAY APPROACH GUIDE



• MAY BE REDUCED TO 10 FEET FOR LOW VOLUME RESIDENTIAL DRIVEWAYS.

D=MAXIMUM 6 PERCENT GRADE CHANGE FOR LOW VOLUME DRIVEWAYS. D FOR ALL OTHER DRIVEWAYS SHOULD BE 0 PERCENT.

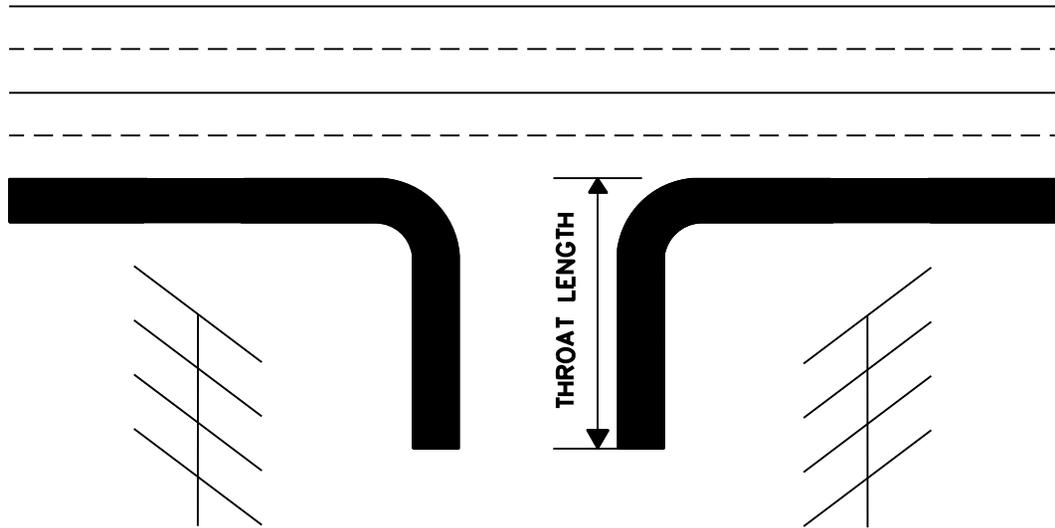
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CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

DRIVEWAY STANDARDS

STD. NO	REV
C-30	

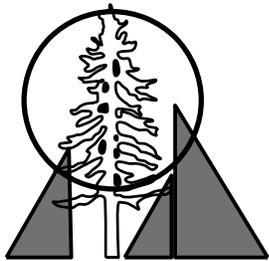
RECOMMENDED DRIVEWAY THROAT LENGTHS



SIGNALIZED ACCESS	THROAT LENGTH
4 EXITING LANES INCLUDING RIGHT-TURN LANE	≥350FT, BASED ON TRAFFIC ENGINEERING STUDY
3 EXITING LANES INCLUDING RIGHT-TURN LANE	250FT
2 EXITING LANES INCLUDING RIGHT-TURN LANE	150FT

UNSIGNALIZED ACCESS	THROAT LENGTH
1 ENTRY LANE, 2 EXIT LANES	50FT*
1 ENTRY LANE, 1 EXIT LANE	30FT*

*IN NO CASE SHOULD THE FIRST ACCESS POINT BE LOCATED WITHIN THE RADIUS RETURNS OF THE DRIVEWAY.



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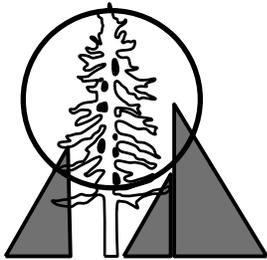
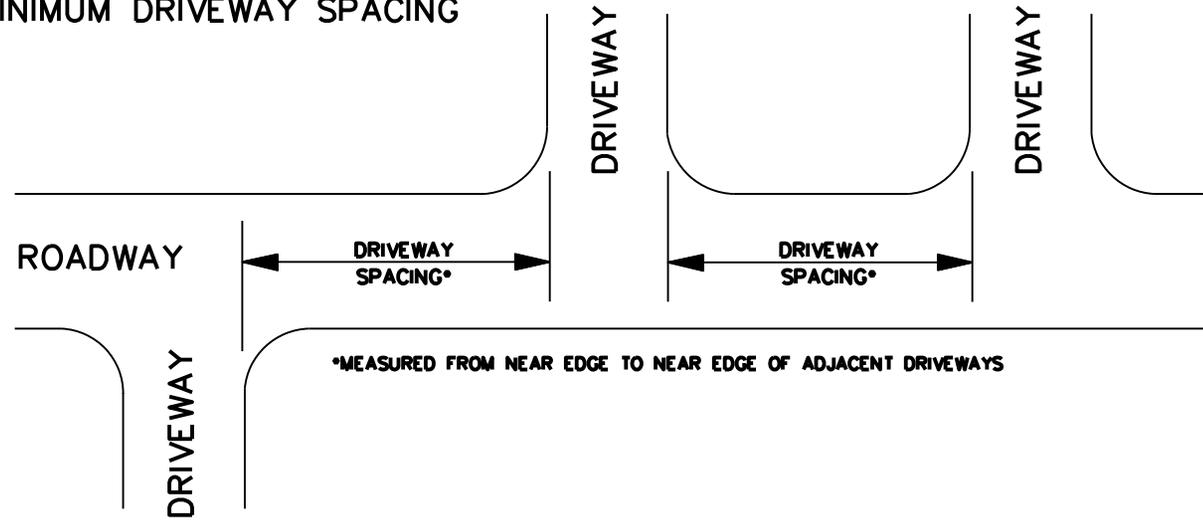
NO	DATE	DESCRIPTION

CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

DRIVEWAY STANDARDS

STD. NO	REV
C-31	

MINIMUM DRIVEWAY SPACING



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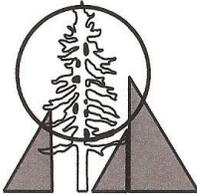
POSTED SPEED LIMIT (MPH)	MINIMUM DRIVEWAY SPACING (FT) ON ROADWAYS WITH AADT ≥2000 OR DRIVEWAYS GENERATING MORE THAN 50 PEAK HOUR TRIPS	MINIMUM DRIVEWAY SPACING (FT) ON ROADWAYS WITH AADT <2000
30	160	75
35	220	125
40	275	175
45	325	225
≥50	400	275

NO	DATE	DESCRIPTION

CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

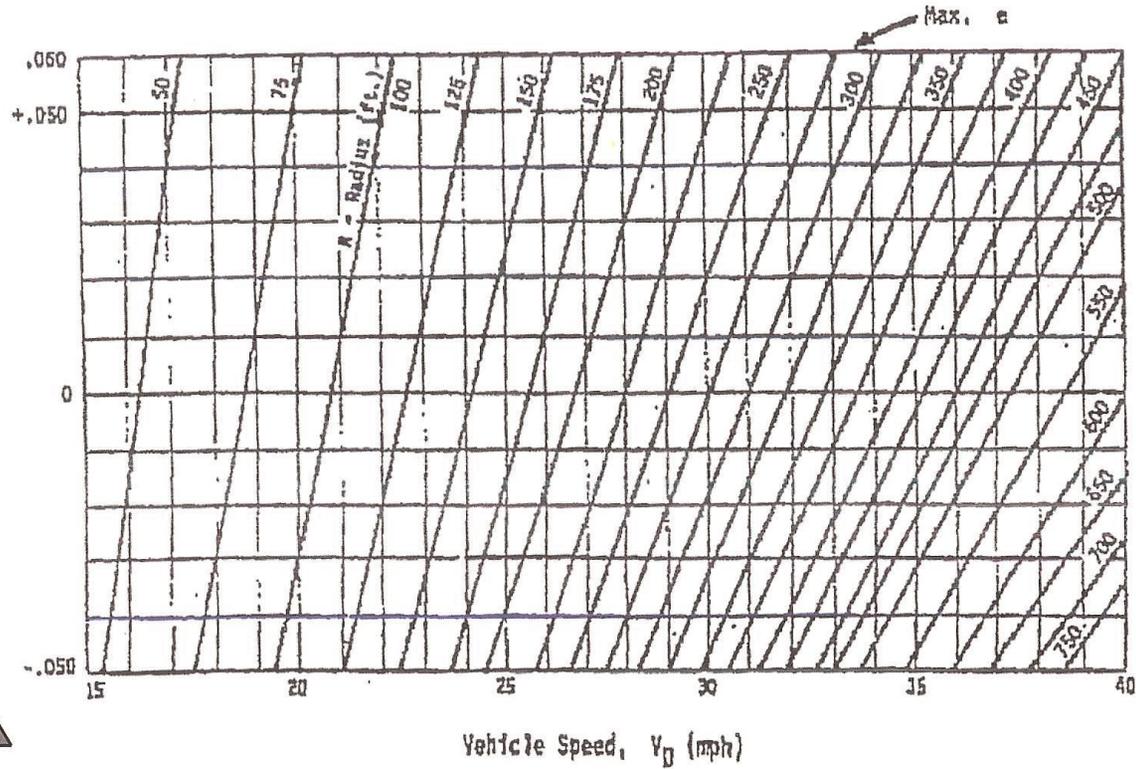
DRIVEWAY STANDARDS

STD. NO	REV
C-32	



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Superelevation Rate, e



Maximum safe and comfortable speed for horizontal curves on low-speed urban streets.

REVISIONS		
NO	DATE	DESCRIPTION
1		REVISED FORMAT

CITY OF TEGA CAY
LAND DEVELOPMENT
STANDARDS

HORIZONTAL CURVE DESIGN

STD. NO.	REV
D-1	1