

City of San Diego, Revisions to Regional Standard Drawings

Regional Standard Drawings are available at <http://www.regional-stds.com/home/book/drawings>, and changes can be proposed, to this committee.

Instructions to review group: Review and mark deletions, additions and edits on the Regional Standard Drawings pages. The drawings are divided into three sets: Tree planting, Tree stakes, and Sidewalks and grates. Consider the drawings prepared by the Urban Tree Foundation (at http://urbantree.org/details_specs.shtml) and the Urban Parkway Configurations in the City of San Diego's street design manual. Number and write reasons for the changes (on separate paper). If you finish one set, get another set and review and mark changes.

Names of reviewers: _____

Background* Briefly summarize the relevant existing regulations or review process.

Regional Standard Drawings are used for blueprints, landscape plans, and contract specifications by cities throughout the county. Some cities adapt the plans and/or renumber them, such as the City of San Diego's "whitebook" with standard specifications for public works construction, <https://www.sandiego.gov/publicworks/edocref/greenbook>.

Issue* Briefly summarize the issue or problem that has triggered the need for the proposed amendment. Please include any real-world project examples.

Trees that are planted with insufficient space, poor nursery stock, circling roots, and/or planted too far below or above grade will always have stunted growth and perhaps die within 3 to 10 years. Other factors influencing tree health are soils, watering, and young tree pruning. Best management practices are provided in ANSI 300, and those are required in most municipal codes.

Some of the issues include extraneous installation of "breather tubes," stakes that limit trunk development and/or are never removed, inadequate volume for root growth, grates that are not modified and eventually choke tree trunk, filter fabrics and root barriers that restrict root growth unnecessarily, and more. Alternatives could be offered, such as permeable pavements.

Many trees are planted, in private developments and public works projects, without the supervision of an arborist. That is a code enforcement problem, but first the specifications must clearly create conditions for optimal tree health and survival.

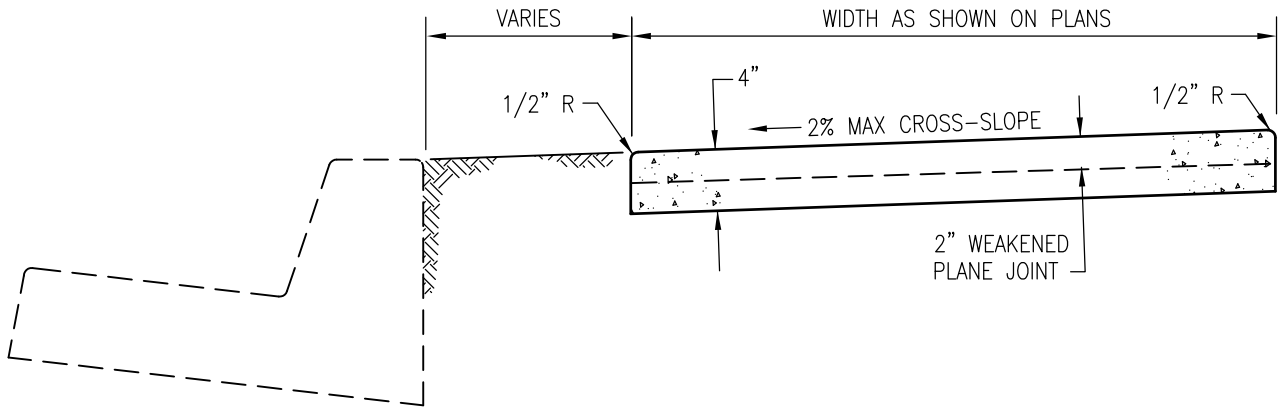
Objective* Provide a one or two sentence statement of what you want to achieve with the proposed [revisions to the drawings].

Align City code with best management practices from arboriculture, and ANSI standards. Modify current drawings to reflect local conditions.

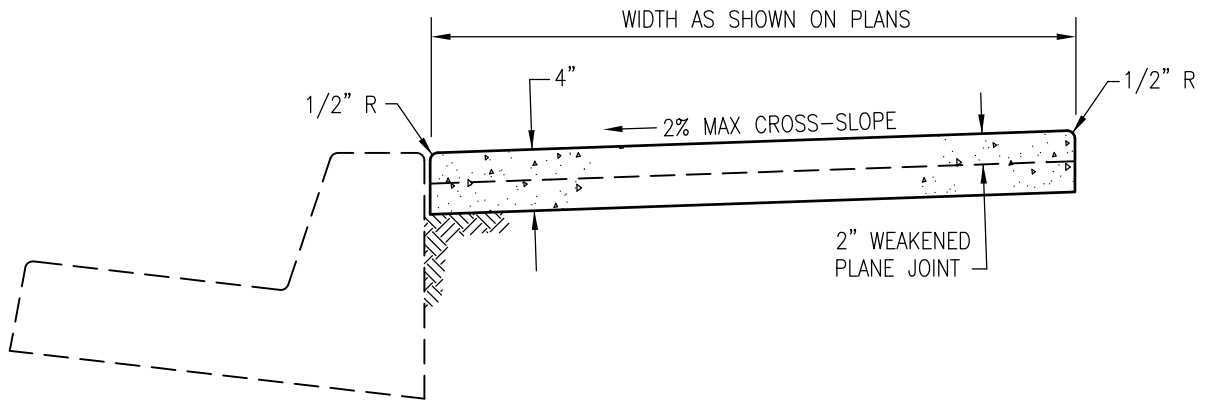
Solution* Briefly summarize how you propose to address the issue and achieve the objective with the proposed [revisions to the drawings].

Specifications for tree planting, stakes, grates, sidewalks, nursery stock, and other have been developed by national experts, available at http://urbantree.org/details_specs.shtml. Specifications for green streets and urban parkways were developed in the Urban Greening Project for Midway-Pacific Highway community plan update, and are incorporated into the City's Street Design Manual, <https://www.sandiego.gov/planning/programs/transportation/library/stdesign>. Recommended changes will be drawn from both sets of specifications.

File Attachments* Marks on each drawing to indicate revisions.



NON-CONTIGUOUS

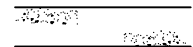


CONTIGUOUS

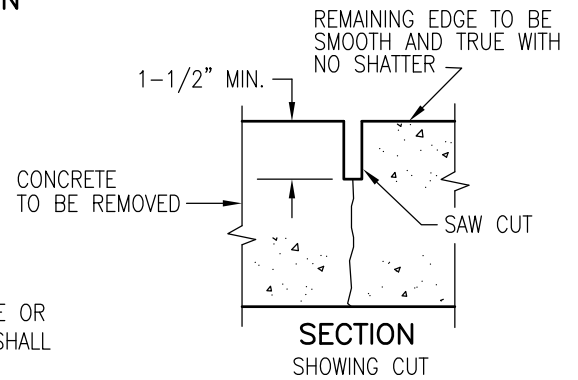
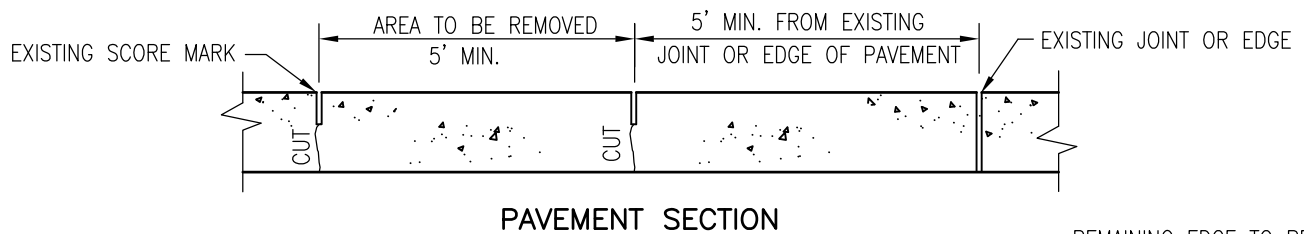
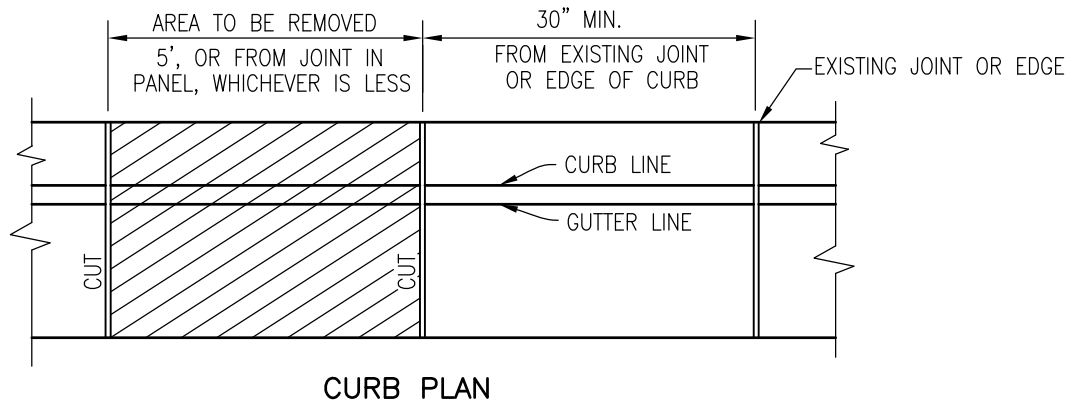
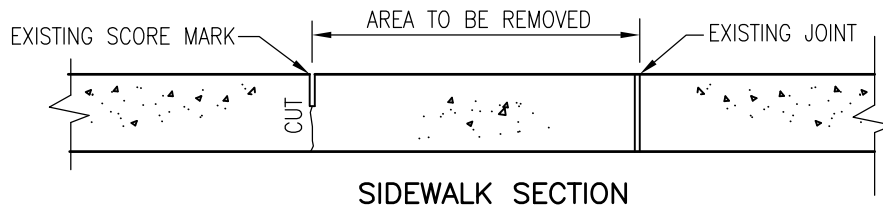
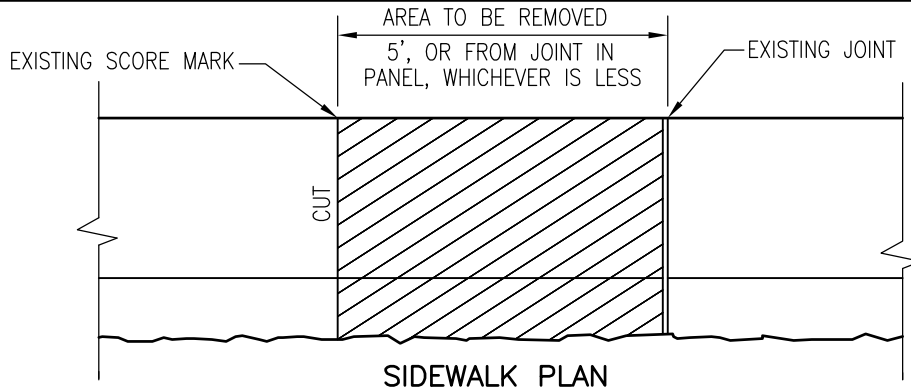
NOTES:

1. CONCRETE SHALL BE 520-C-2500.
2. SEE STANDARD DRAWINGS G-9 AND G-10 FOR JOINT DETAILS.

LEGEND ON PLANS



Revision	By	Approved	Date	SAN DIEGO REGIONAL STANDARD DRAWING	RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE
ORIGINAL		KERCHEVAL	12/75		SIDEWALK - TYPICAL SECTIONS
ADD METRIC		T. STANTON	03/03	Chairperson R.C.E. 19246 Date	
REFORMATTED		T. STANTON	04/06	DRAWING NUMBER	
UPDATED	MR	MR/CV	11/11	G-07	
REVIEWED	CV	CV	12/15		



NOTE:

1. SIDEWALK CROSS SLOPE SHALL BE 2% MAX.
2. WHEN DISTANCE FROM "AREA TO BE REMOVED" TO EXISTING JOINT, EDGE OR SCORE MARK IS LESS THAN MINIMUM SHOWN, "AREA TO BE REMOVED" SHALL BE EXTENDED TO JOINT, EDGE OR SCORE MARK.

Revision	By	Approved	Date
ORIGINAL		KERCHEVAL	12/75
ADD METRIC		T. STANTON	03/03
REFORMATTED		T. STANTON	04/06
UPDATED	CV	MR/CV	11/11
REVIEWED	CV	CV	12/15

SAN DIEGO REGIONAL STANDARD DRAWING

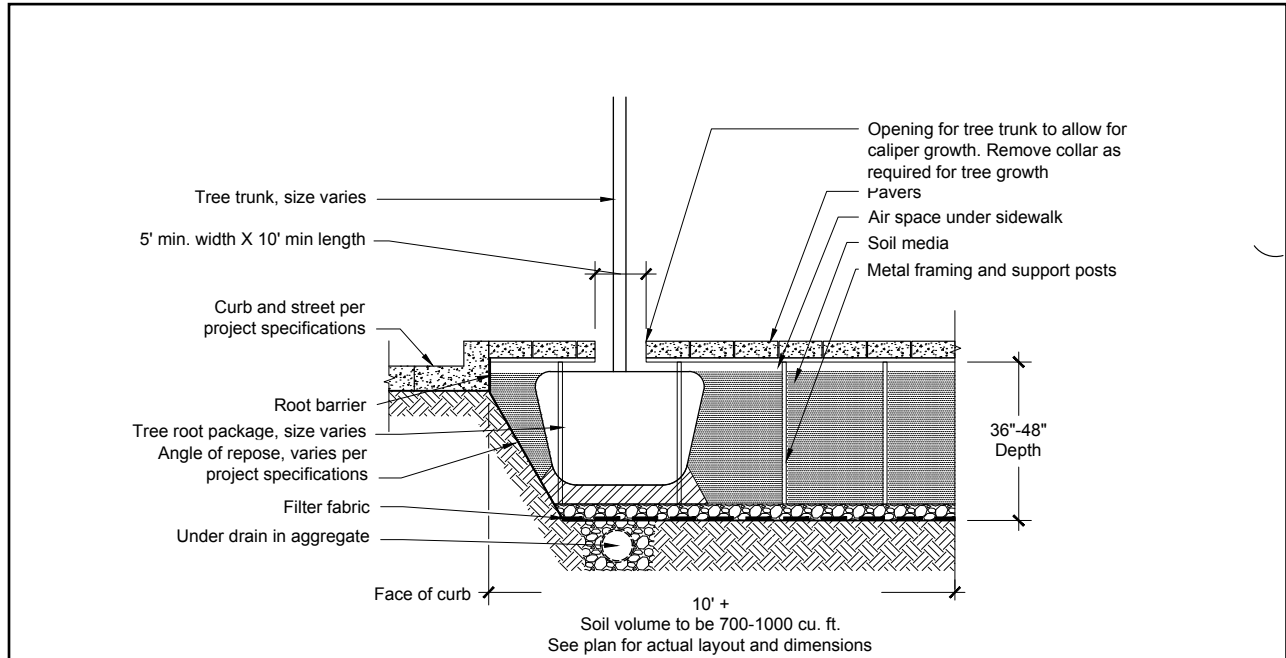
CONCRETE CURB, GUTTER,
SIDEWALK AND PAVEMENT
REMOVAL AND REPLACEMENT

RECOMMENDED BY THE SAN DIEGO
REGIONAL STANDARDS COMMITTEE

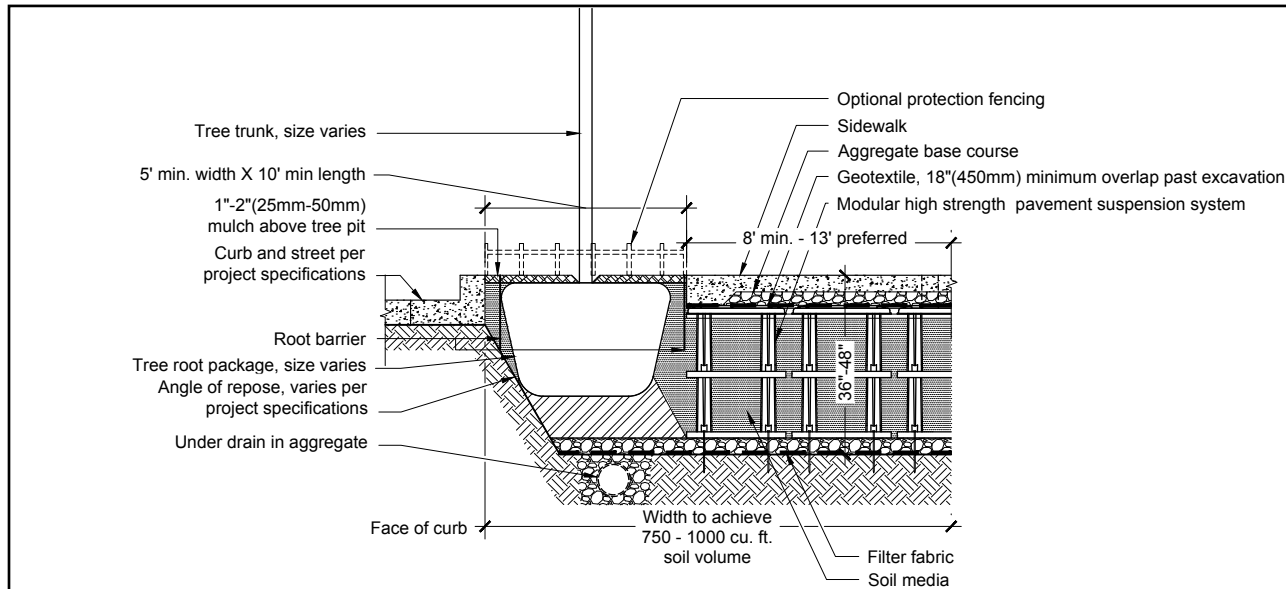
T. Stanton 10/25/2018
Chairperson R.C.E. 19246 Date

DRAWING NUMBER G-11

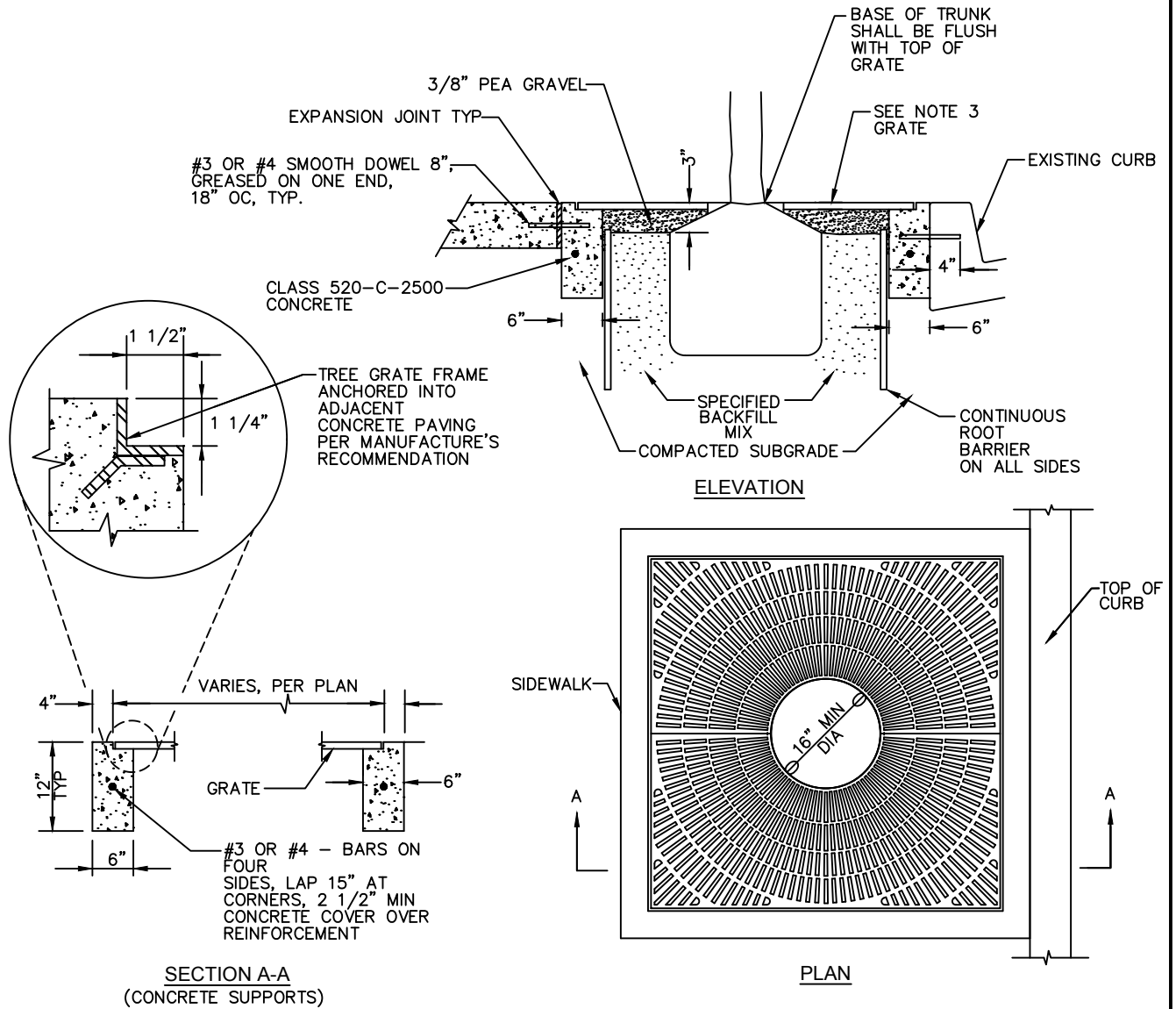
SUSPENDED PAVEMENT



Tree Planting Detail - Suspended Pavers



Tree Planting Detail - Suspended Pavement



NOTES:

1. CONCRETE TO BE REMOVED FOR EACH TREE PLANTING SHALL BE SAW CUT FULL DEPTH.
2. BOLTS, NUTS AND WASHERS SHALL BE GRADE 316 STAINLESS STEEL. GRATE FRAME SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. ALL GRATES SHALL BE REMOVABLE & FASTENERS SHALL BE ACCESSIBLE TO MAINTENANCE .
3. GRATES SHALL BE MINIMUM 40 SQUARE FEET IN SIZE, AND 2 SEPARATE PIECES, UNLESS OTHERWISE SPECIFIED ON THE PLANS. SLOT OPENINGS IN GRATE DESIGN SHALL HAVE 3/8" MAXIMUM WIDTH. GRATE DESIGNS AND INSTALLATION SHALL BE IN ACCORDANCE WITH CURRENT ADA STANDARDS AND THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE, WITH A MINIMUM UNIFORM LIVE LOAD OF 250 POUNDS PER SQUARE FOOT IN SIDEWALKS.
4. IMMEDIATE NOTIFICATION SHALL BE GIVEN TO THE ENGINEER OF ANY BELOW GRADE IMPROVEMENTS ENCOUNTERED.
5. SET GRATE IN FRAME PRIOR TO PLACEMENT OF PAVEMENT. ANY WARPED OR NON-FLUSH FITTING GRATES SHALL BE REPLACED.
6. TREE SHALL BE CENTERED IN GRATE OPENING. GRATES SHALL HAVE A PERMANENT SLIP RESISTANT FINISH.
7. ADJACENT SIDEWALK SHALL HAVE A MINIMUM CLEARANCE WIDTH OF 4' FROM THE EDGE OF GRATE.
8. GRATE SHALL BE UNIFORM WITH ADJACENT GRADE.
9. PROVIDE MINIMUM DISTANCE FROM OTHER OBJECTS AS FOLLOWS: 12' STREET LIGHTS, 10' FIRE HYDRANTS, 10' SEWER LINES, AND 20' TRAFFIC SIGNALS.
- 10.SUBMIT GRATE DESIGN FOR APPROVAL.

Revision	By	Approved	Date	SAN DIEGO REGIONAL STANDARD DRAWING	RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE
ORIGINAL		Parkinson	05/92		
Delete Metric	KA	N. Batta	06/11	TREE GRATE	<i>T. Stanton</i> 10/25/2018 Chairperson R.C.E. 19246 Date
Reviewed	HM	T. Stanton	10/15		
Reviewed	EW	T. Stanton	10/18		
				DRAWING NUMBER	L-04

Urban Parkway Configurations

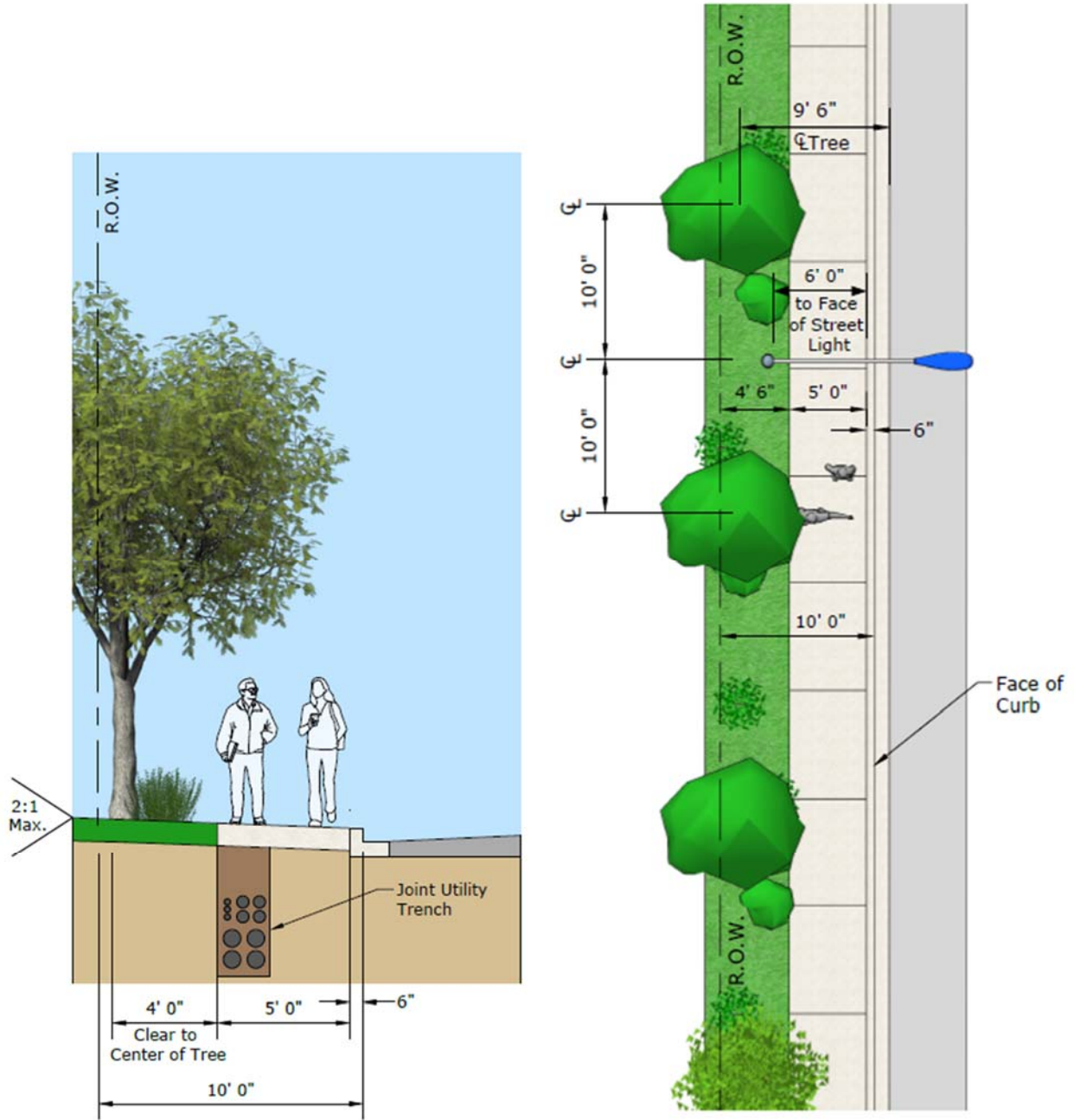


FIGURE 5-1. 10' PARKWAY - CONTIGUOUS SIDEWALK

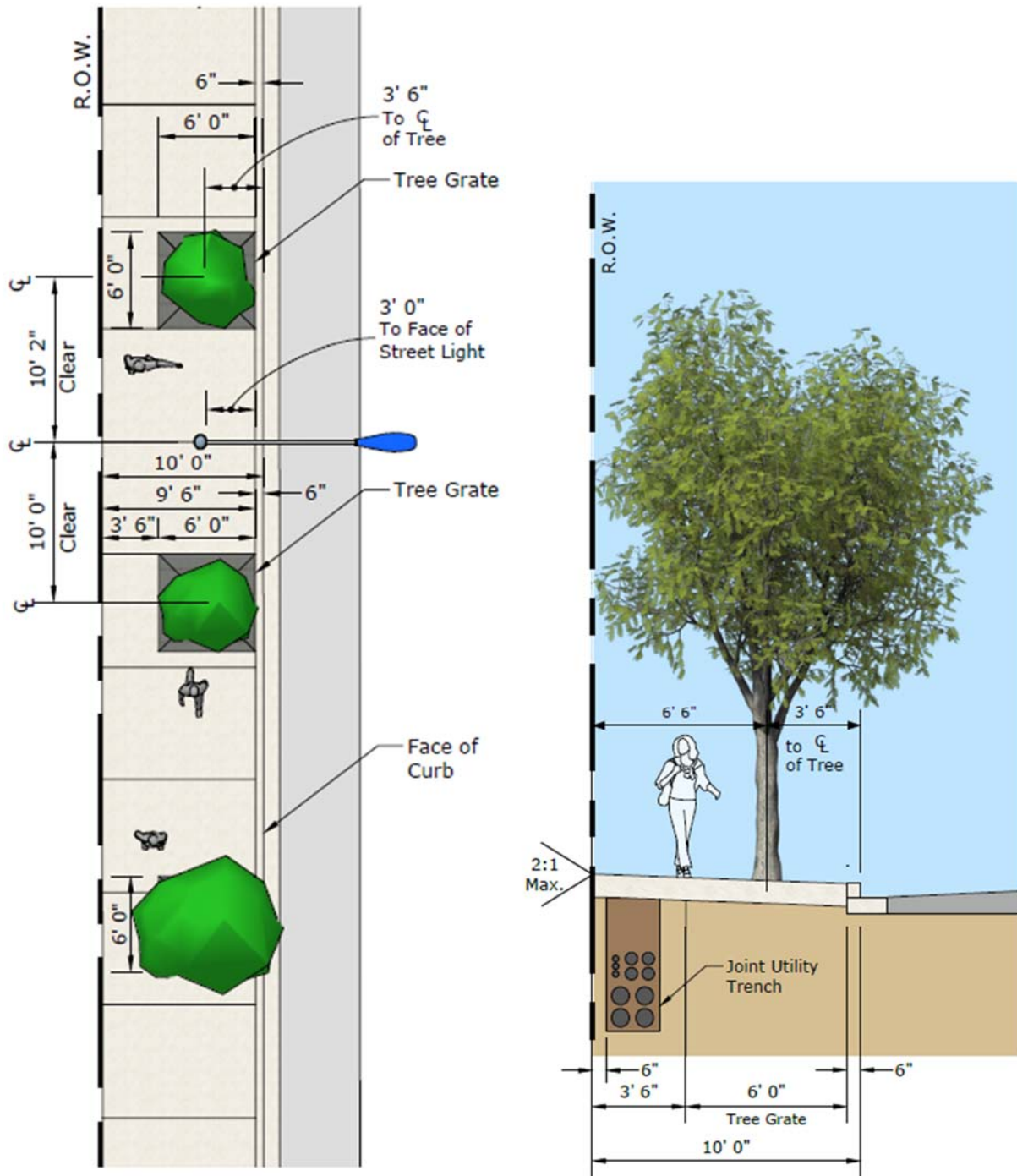


FIGURE 5-2. 10' PARKWAY WITH TREE GRATES

Notes:

1. All street trees shall conform to SDMC Chapter 14, Article 2, Division 4.

Urban Parkway Configurations

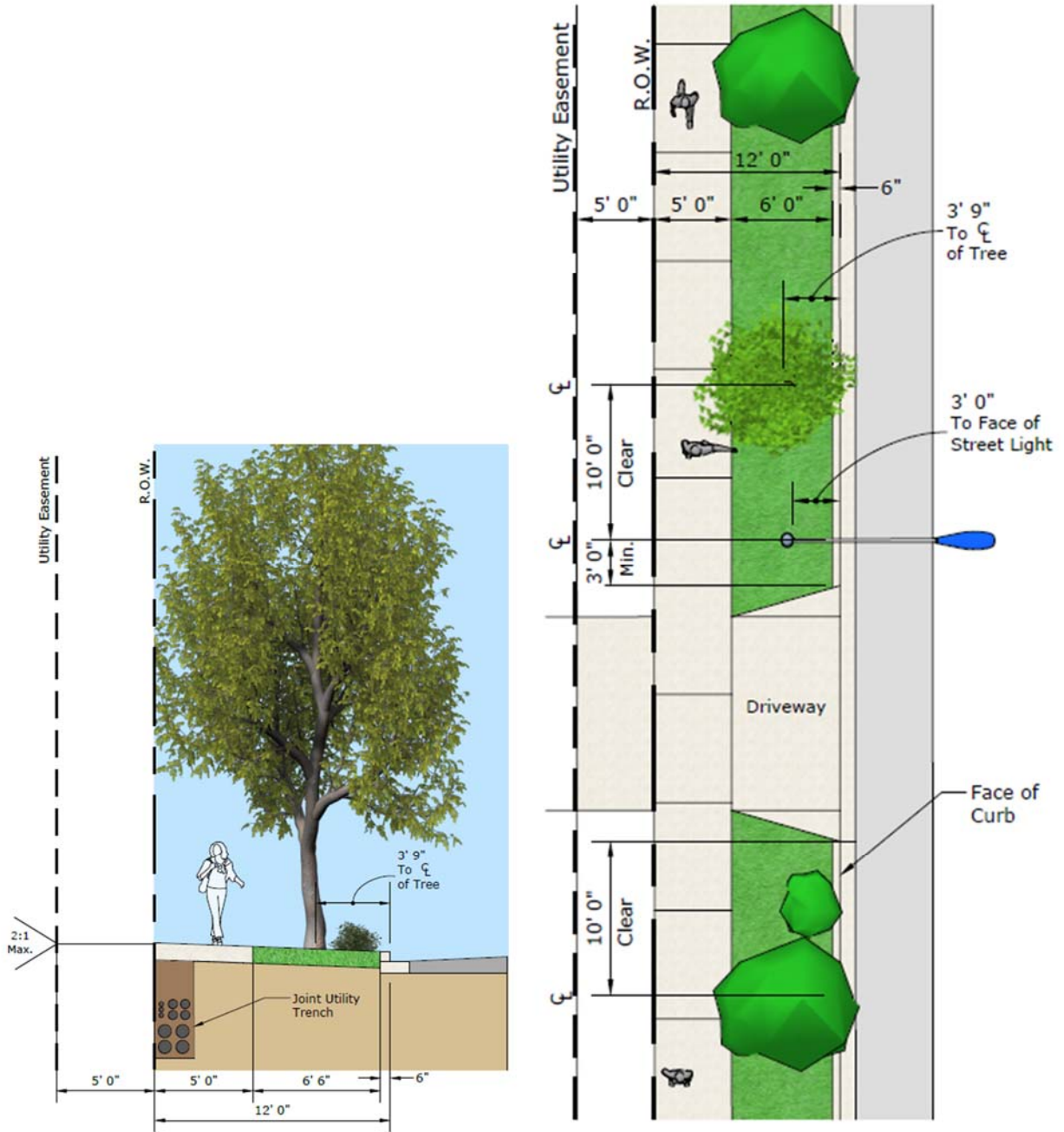


FIGURE 5-3. 12' PARKWAY- NON-CONTIGUOUS SIDEWALK

Notes:

Reference SDG-164 for required clearance for obstructions near driveways.