

Stacy Shetler
County Engineer
Washington County Dept. of Land Use & Transportation
1400 SW Walnut St. Ste. 212, MS 17A, Hillsboro, OR 97123

June 10, 2021

RE: West End District Phase 1 & 2, Murray Blvd Street Tree Planter Boxes - County File #18-917 & #20-804

WASHINGTON COUNTY ROAD DESIGN AND CONSTRUCTION STANDARDS
REQUEST FOR EXCEPTION

The following is a request for exception as per Section 220 of the Washington County Road Design and Construction Standards, to Ancillary Facilities - Sidewalks, Section 340.060 and Landscape, Section 340.130.2.

The 10-ft sidewalk along Murray Blvd is proposed to provide street trees within planter boxes in the 5-ft closest to Murray Blvd.

Reason: The reason for this request is to provide the conditioned street trees along the Murray Blvd 10-ft sidewalk while reducing the impact on the existing shallow public utilities that are underneath the sidewalk. Providing street trees with root systems within tree wells would impact multiple public utilities.

Comparison: The project was conditioned to provide a 10-ft sidewalk with tree wells. The Washington County standard minimum sidewalk width for an Arterial road is 5-ft, constructed according to Standard Drawing 2110. This proposal will provide a 10-ft sidewalk, with street trees within planter boxes.

Public Safety: The proposed street trees will be located within the inner 5-ft of the 10-ft wide sidewalk, maintaining a 5-ft wide walkway along the sidewalk and providing a physical barrier between pedestrian and vehicular traffic to enhance pedestrians' sense of security. The planter boxes will be set back 10-ft from the edge of the vehicular travel lane, including a 2-ft offset from the 0.5-ft tall vertical curb. This offset exceeds AASHTO's standard 1.5-ft operational offset. The planter boxes will also be separated from the streetlights so the street trees will not obstruct street or sidewalk illumination. In the locations near the driveways, some proposed planter boxes will be eliminated to avoid impacting the sight distance of vehicles trying to enter Murray Blvd Traffic.

Performance: The planter boxes will provide pedestrians with an equivalent sense of separation from the vehicular traffic on Murray Blvd. as the conditioned tree wells and will be located to avoid impacting sight distance from the driveway access points along the West End District Murray Blvd frontage.

Financial: The proposed design will require the reconstruction of sidewalk panels and will provide irrigated street trees within planter boxes. The additional cost is expected to be \$75,000.

In conclusion, the proposed 10-ft sidewalk with planter boxes subject to this requested exception will enhance the pedestrian corridor without compromising public safety nor the intent of the County Road Design and Construction Standards and will provide equivalent performance by maintaining a minimum 5-ft wide walkway at street grades along the frontage.

Thank you for your consideration,

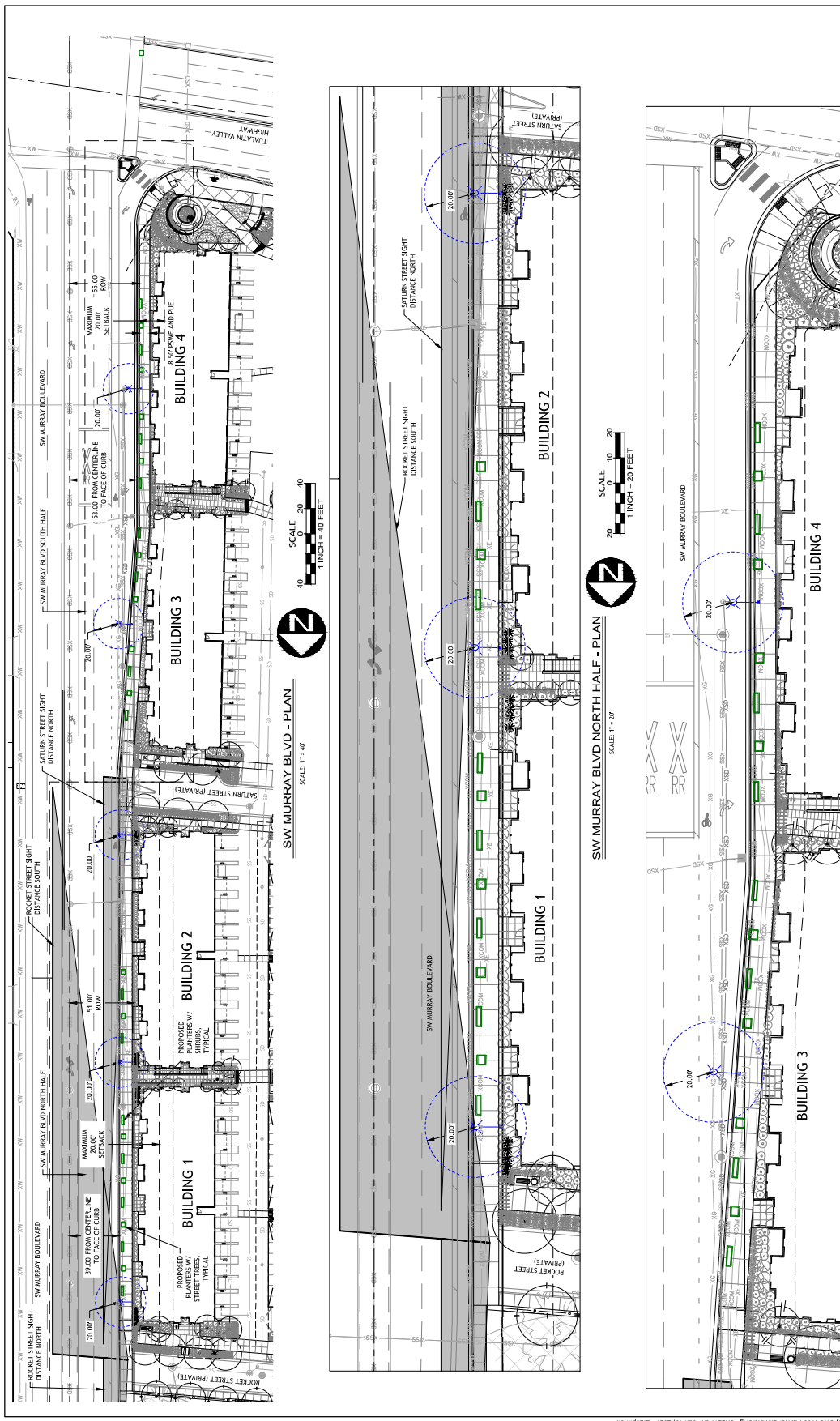
Craig Larson, PE

Attachments:

- SW Murray Boulevard Planter Box w/ Street Tree Exhibit
- Rocket Street & Murray Blvd Sight Distance
- Saturn Street & Murray Blvd Sight Distance
- Murray Blvd Planter Box Clearance Exhibit



EXPIRES: 12-31-22



LEGEND

- EXISTING PUBLIC UTILITIES (GAS, TELEPHONE, FIBER, ETC.)
- SANITARY SEWER
- STORM SEWER
- PROPOSED PLANTER BOX W/ STREET TREE
- PROPOSED PLANTER BOX W/ SHRUBS
- STREET LIGHT AND 20 FT CLEARANCE RADIUS

SCALE 1" = 20 FEET

0 10 20
INCH = 20 FEET

SCALE 1" = 40 FEET

0 20 40
INCH = 40 FEET

COUNTY FILE # 20-804

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 URBAN FORM DEVELOPMENT CO.
 703 BROADWAY STREET SUITE 510
 VANCOUVER, WA 98660
 (T) 303-531-4087

DATE	NO.	DATE	REVISIONS	DESCRIPTION
4/27/2021				

WEST END DISTRICT

SW MURRAY BOULEVARD PLANTER BOX W/ STREET TREE EXHIBIT

Pacific Community Design
 12864 SW MAIN STREET
 TIGARD, OR 97226
 (T) 503-941-9484

PROJECT NO.: 395-081
 TYPE: CONST
 REVIEWED BY: KCS

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NO.	DATE	DESCRIPTION

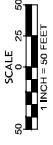
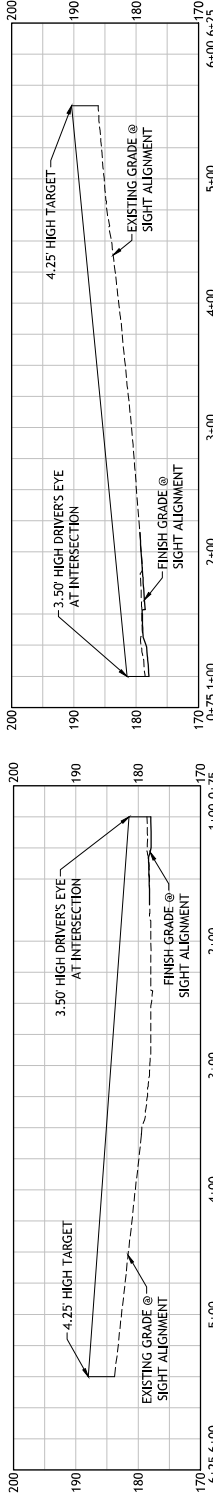
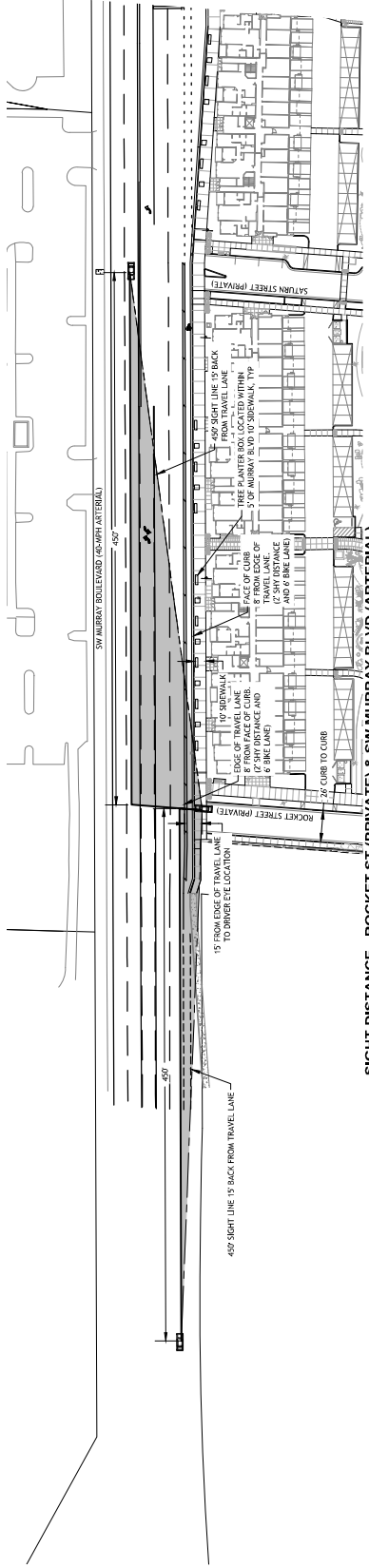


WEST
END
DISTRICT

ROCKET ST &
MURRAY BLVD
SIGHT DISTANCE
CERTIFICATION
EXHIBIT

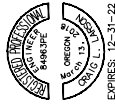
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TYPE:	CONSTRUCTION
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DATE: 6/10/2021

REVISIONS	
NO.	DATE DESCRIPTION

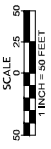
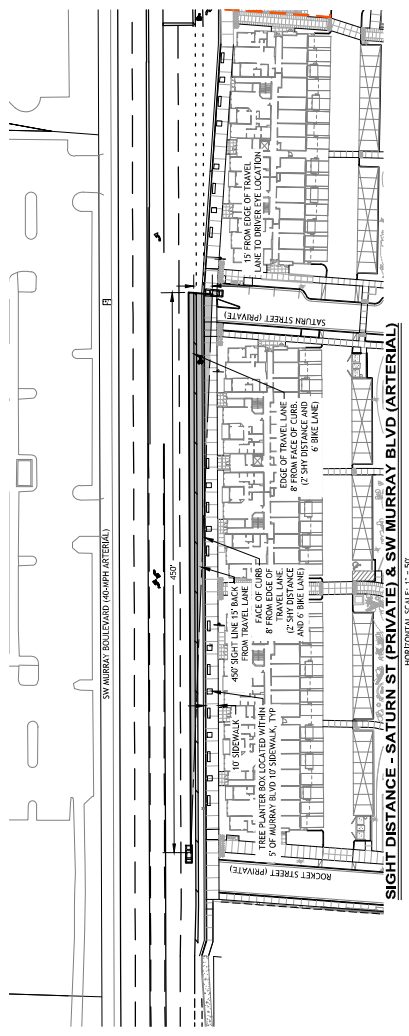
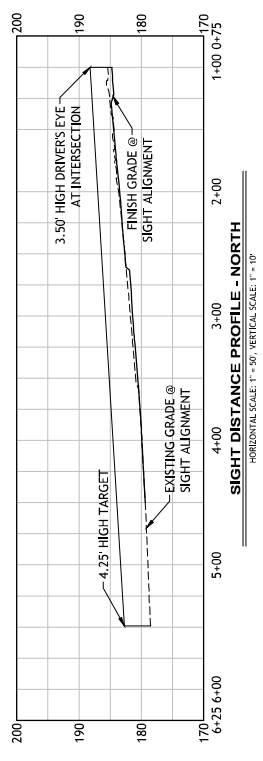


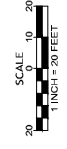
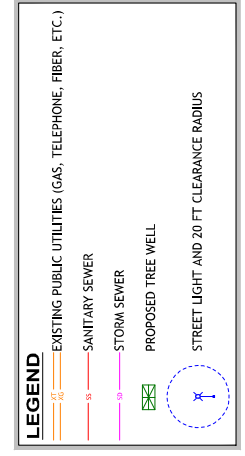
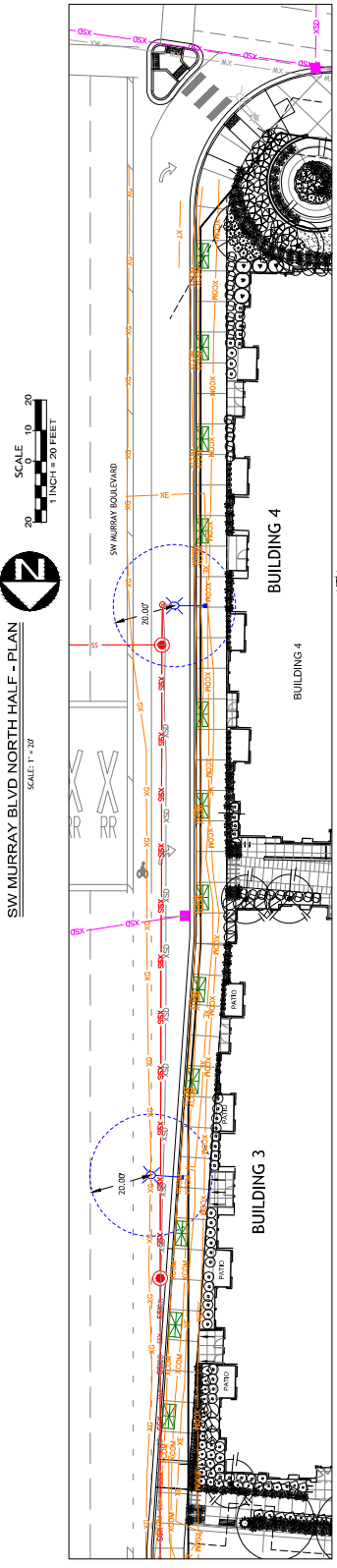
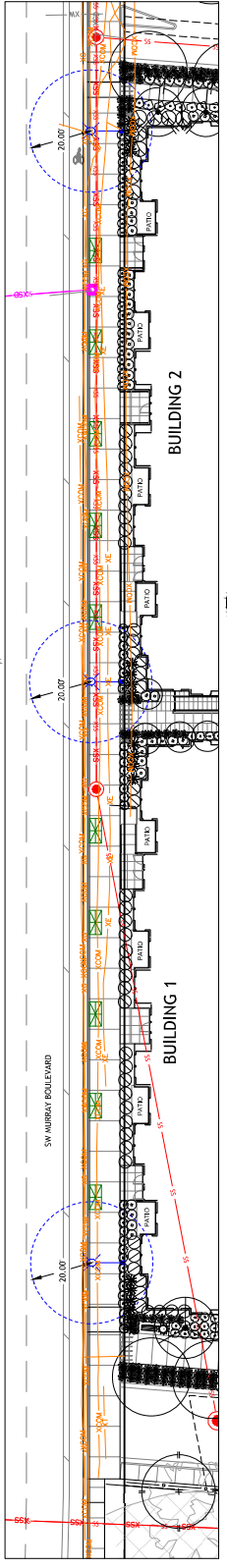
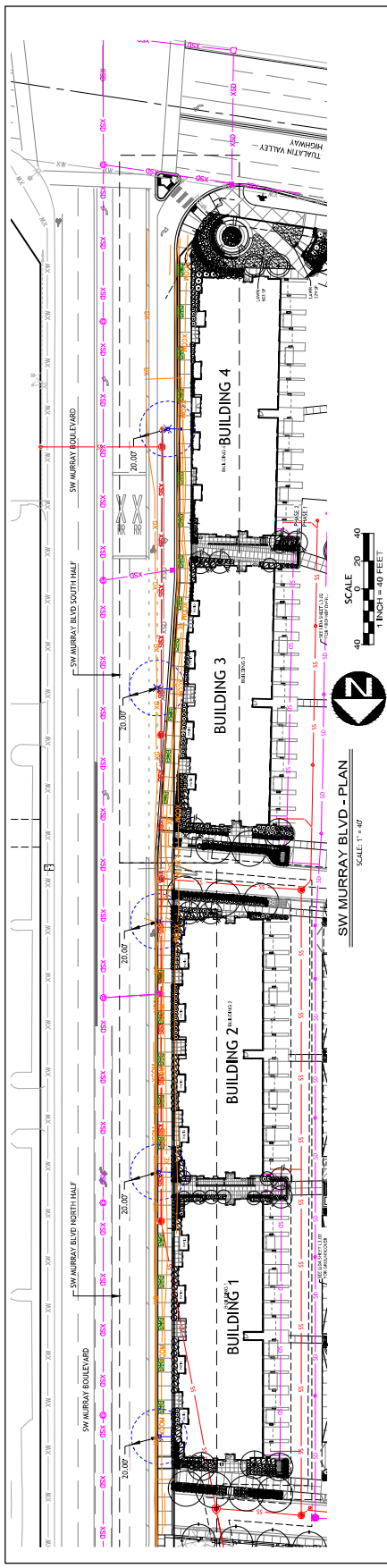
**WEST
 END
 DISTRICT**

**SATURN ST &
 MURRAY BLVD
 SIGHT DISTANCE
 CERTIFICATION
 EXHIBIT**

PROJECT NO.: 395-081
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SZ





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(1) 303-531-4087

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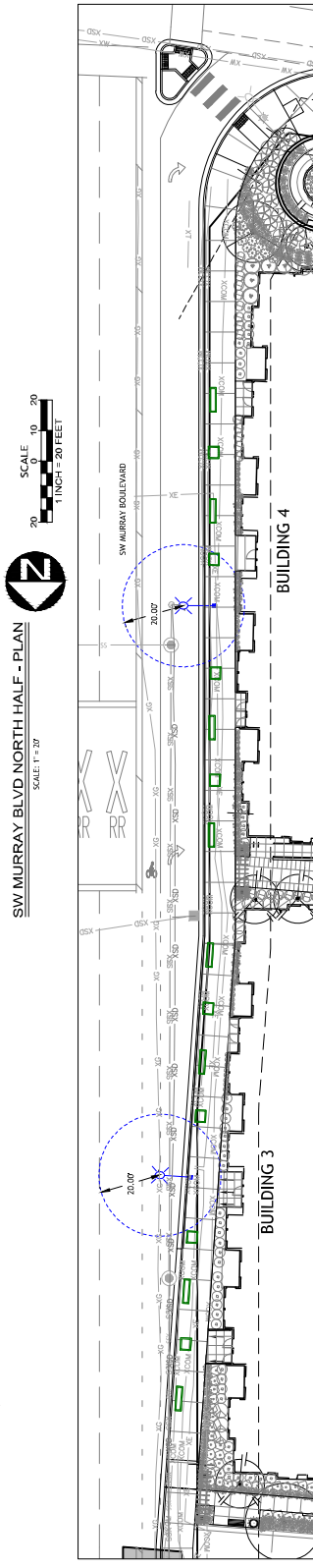
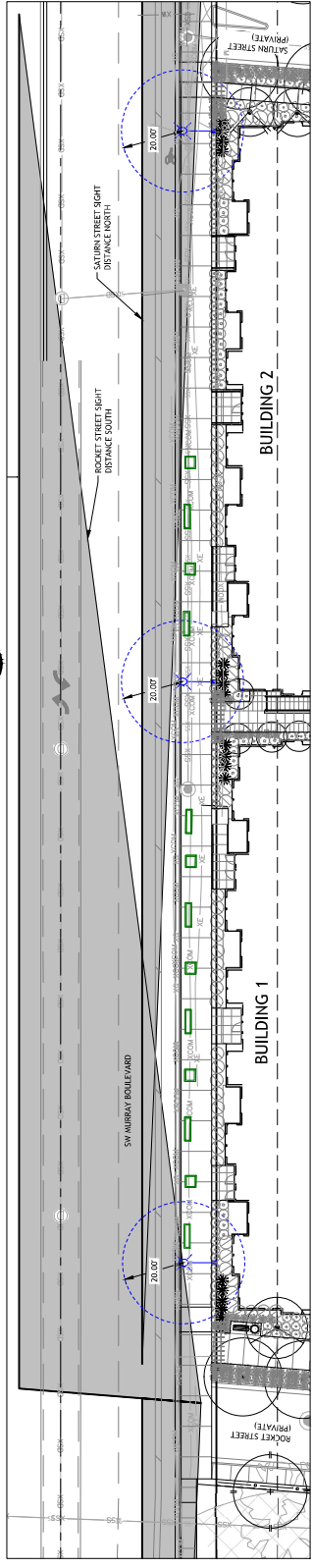
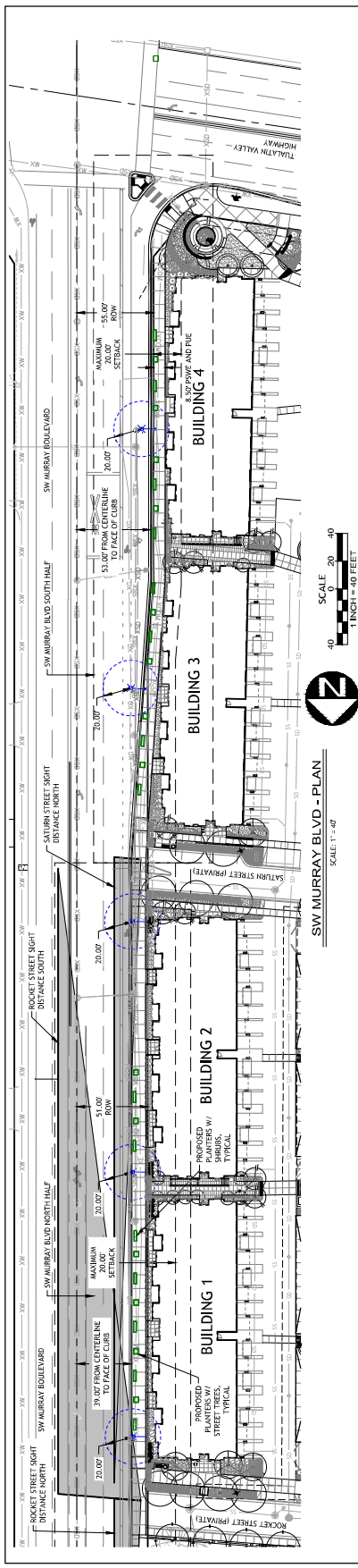
WEST END DISTRICT

SW MURRAY BOULEVARD TREEWELL EXHIBIT

Pacific Community Design
12844 SW MAIN STREET
TIGARD, OR 97226
(1) 503-941-9484

PROJECT NO.: 395-081
TYPE: CONST
REVIEWED BY: KCS

EX



LEGEND

- EXISTING PUBLIC UTILITIES (GAS, TELEPHONE, FIBER, ETC.)
- SANITARY SEWER
- STORM SEWER
- PROPOSED PLANTER BOX W/ STREET TREE
- PROPOSED PLANTER BOX W/ SHRUBS
- STREET LIGHT AND 20 FT CLEARANCE RADIUS

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WEST END DISTRICT

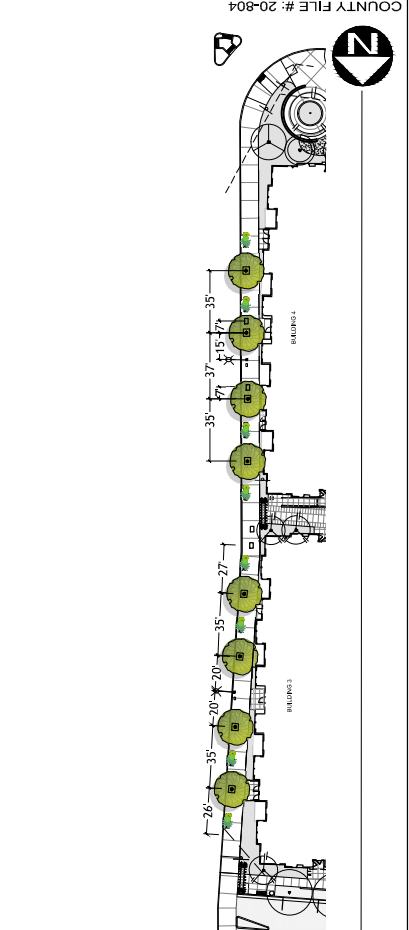
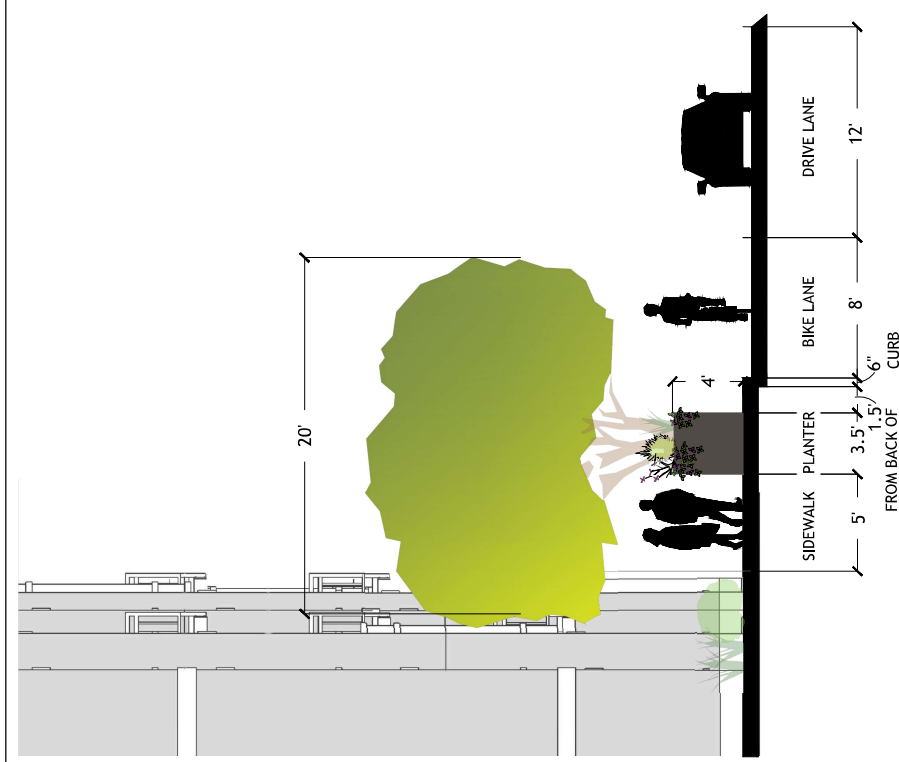
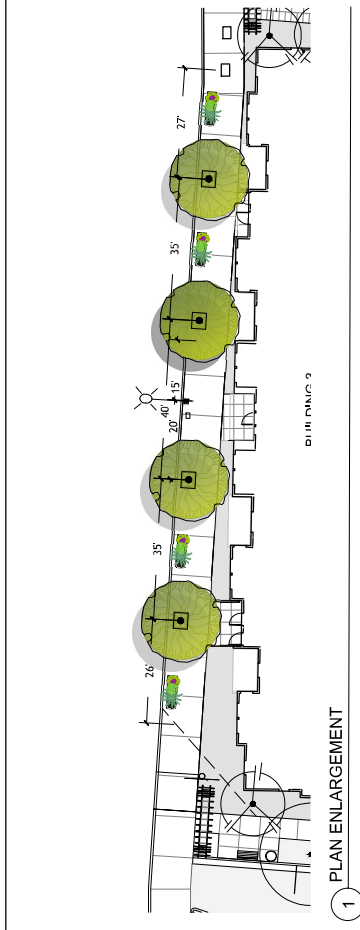
SW MURRAY BOULEVARD PLANTER BOX W/ STREET TREE SITE PLAN

Pacific Community Design
 12864 SW MAIN STREET
 TIGARD, OR 97226
 (T) 503-941-9-684

PROJECT NO.: 395-081
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WEST END
DISTRICT

SW MURRAY
BOULEVARD
STREET TREE
EXHIBIT

Pacific
Community
Design

1264 SW MAIN STREET
VICAR RD, OR 97233
(1) 503-941-9-84

PROJECT NO.:	395-081
TYPE:	CONST
REVIEWED BY:	KCS

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