

Appendix B – Sample Water Efficient Landscape Worksheet.

WATER EFFICIENT LANDSCAPE WORKSHEET

This worksheet is filled out by the project applicant and it is a required element of the Landscape Documentation Package.

| Reference Evapotranspiration (ETo) 49.5 | | | | | | |
|---|----------------------|----------------------|----------------------------------|----------------|-----------------------------|---|
| Hydrozone # (Planting Description) | Plant Factor (PF) | Irrigation Method | Irrigation Efficiency (IE) | ETAF (PFIE) | Landscape Area (sq. ft.) | Estimated Total Water Use (ETWU) ¹ |
| Regular Landscape Areas | | | | | | |
| SHRUBS | 0.30 | DRIP | 0.81 | 0.37 | 3,761 | 1,393.0 |
| LOW TREES | 0.30 | BUBBLER | 0.75 | 0.40 | 80 | 32.0 |
| MULCH ONLY | 0.00 | NON-IRR | 0.00 | 0.00 | 774 | 0.00 |
| Totals | | | | | 4,615 (A) | 1,425 (B) |
| Special Landscape Areas | | | | | | |
| | | | | | 1 | 0 |
| | | | | | 1 | 0 |
| | | | | | 1 | 0 |
| Totals | | | | | 4,615 (C) | 1,425 (D) |
| ETWU Total | | | | | | 22,625 |
| Maximum Allowed Water Allowance (MAWA) ² | | | | | | 27,426 |

¹Hydrozone # (Planting Description)
E.g.
1) Road lawn
2) low water use plantings
3) medium water use planting

²Irrigation Method
overhead spray
or drip

³Irrigation Efficiency
0.75 for spray head
0.81 for drip

⁴ETWU (Annual Gallons Required) =
Eto x 0.62 x ETAF x Area
where 0.62 is a conversion
factor that converts acre-
inches per acre per year to
gallons per square foot per
year.

⁵MAWA (Annual Gallons Allowed) = (Eto) / (0.62) [(ETAF x LA)
+ ((1-ETAF) x SLA)]
where 0.62 is a conversion factor that converts acre-
inches per acre per year to gallons per square foot per
year. LA is the total landscape area in square feet. SLA
is the total special landscape area in square feet,
and ETAF is .55 for residential areas and 0.45 for non-
residential areas.

ETAF Calculations

| Regular Landscape Areas | | |
|-------------------------|-------|-------|
| Total ETAF x Area | (B) | 1,425 |
| Total Area | (A) | 4,615 |
| Average ETAF | B ÷ A | 0.31 |

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

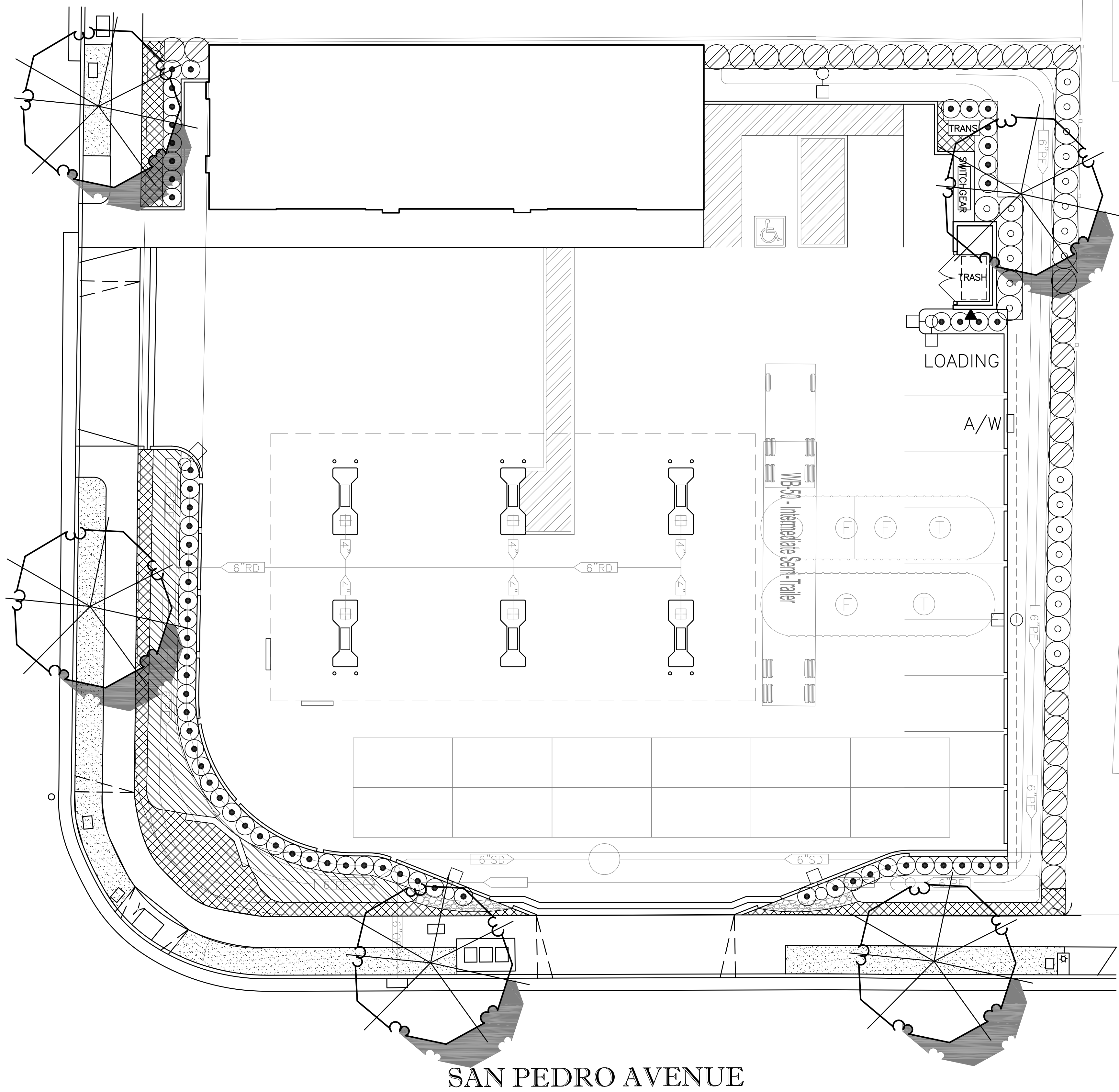
| All Landscape Areas | | |
|---------------------|---------------|-------|
| Total ETAF x Area | (B+D) | 1,425 |
| Total Area | (A+C) | 4,615 |
| Site-wide ETAF | (B+D) ÷ (A+C) | 0.31 |

PLANT LEGEND

| SYMBOL | BOTANICAL NAME | COMMON NAME | SIZE | REMARKS | WUCOLS IV REGION 1 |
|---|--------------------------------------|---------------------|---------|-----------------------|--------------------|
| PROPOSED TREES | | | | | |
| | PLATANUS RACEMOSA | CALIFORNIA SYCAMORE | 24" BOX | STANDARD DOUBLE STAKE | LOW |
| PROPOSED SHRUBS AND GROUNDCOVERS | | | | | |
| | CALLISTEMON CITRINUS 'LITTLE JOHN' | DWARF BOTTLEBRUSH | 5 GAL. | 3'-0" O.C. | LOW |
| | ESCALLONIA FRADESII | PINK ESCALLONIA | 5 GAL. | 3'-0" O.C. | LOW |
| | FESTUCA OVINA 'GLAUCA' | BLUE FESCUE | FLATS | 12" O.C. | LOW |
| | MUHLENBERGIA CAPILLARIS 'REGAL MIST' | DEER GRASS | 1 GAL. | 2'-0" O.C. | LOW |
| | WESTRINGIA FRUTICOSA 'MORNING LIGHT' | COAST ROSEMARY | 5 GAL. | 4'-0" O.C. | LOW |
| | BARK MULCH IN PARKWAY | | | | |
| PROPOSED VINES | | | | | |
| | PARTHENOCISSUS TRICUSPIDATA | BOSTON IVY | 5 GAL. | TRAIN TO WALL | |

GENERAL NOTES:

- ALL FLAT, SHRUB AND GROUNDCOVER AREAS (INCLUDING EXISTING SLOPE) TO BE TOP DRESSED WITH 3" LAYER OF SHREDDED BARK MULCH. ALL TOP DRESSING TO BE FLUSH WITH TOP OF WALK. PROVIDE SAMPLE TO LANDSCAPE ARCHITECT PRIOR TO DELIVERY ON-SITE.
- ALL STREET TREES AND ALL TREES WITHIN 6' OR WITHIN 10' OF PUBLIC RIGHT-OF-WAY OF HARDSCAPE ELEMENTS, SUCH AS CURBS, WALLS, BUILDINGS OR WALKS, SHALL BE PROVIDED WITH APPROVED ROOT BARRIER CONTROL DEVICES SUCH AS MODEL NO. UB 24-2, AVAILABLE FROM DEEPROOT, 800-458-1668 OR www.deeproot.com. INSTALLATION TO BE PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS AND BE A MINIMUM OF 10 LINEAL FEET.
- CONTRACTOR TO REPAIR OR REPLACE ANY EXISTING WORK DONE BY OTHERS DAMAGED DUE TO CONSTRUCTION.
- CONTRACTOR TO VERIFY ALL UTILITIES AND EXISTING CONDITIONS IN FIELD PRIOR TO CONSTRUCTION.
- ALL PLANTING AND IRRIGATION TO COMPLY WITH CITY OF MORGAN HILL LANDSCAPE GUIDELINES AND CURRENT MUELO (MODEL WATER EFFICIENT LANDSCAPE ORDINANCE).
- ALL PROPOSED GAS METERS, BACK FLOW DEVICES, TRANSFORMERS OR ANY OTHER ABOVE GROUND EQUIPMENT WILL BE SCREENED WITH SHRUBS OR OTHER LANDSCAPING PER CITY GUIDELINES.
- ALL REQUIRED LANDSCAPE AREAS SHALL BE MAINTAINED BY OWNER.



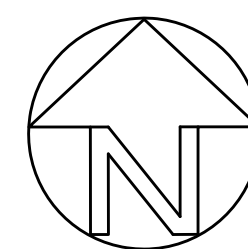
MONTEREY ROAD

SAN PEDRO AVENUE

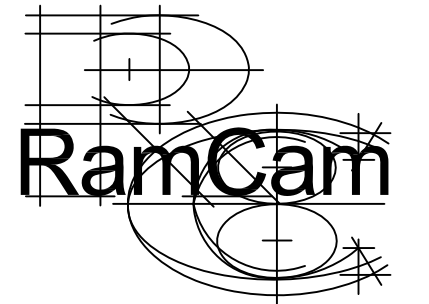


PROJECT DATA:

| | |
|------------------------|-----------|
| TOTAL LANDSCAPE AREA: | 4,615 SF. |
| TOTAL SHRUB AREA: | 3,841 SF. |
| TOTAL MULCH ONLY AREA: | 114 SF. |
| TURF AREA: | 0 SF. |



PRELIMINARY PLANTING PLAN
SCALE 1"=10'-0"



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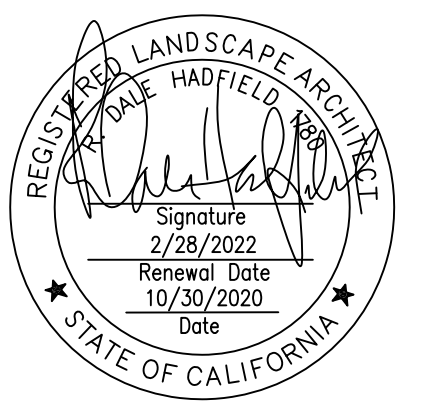
NOT VALID FOR CONSTRUCTION TILL APPROVED BY CITY AND SIGNED BY DESIGN ENGINEER

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WOF052

16720 MONTEREY ROAD
MORGAN HILL, CA. 95037

10.30.2020



PRELIMINARY LANDSCAPE PLAN

L1.0