

DESIGN INTENT

THE LANDSCAPE IS DESIGNED TO COMPLY WITH THE PRESCRIPTIVE COMPLIANCE OPTION OF THE LOCALLY ADOPTED STATE OF CALIFORNIA MODEL WATER EFFICIENT LANDSCAPE ORDINANCE ("WELO"). COMPLIANCE WITH MANDATORY ELEMENTS OF WELO MUST BE DOCUMENTED ON LANDSCAPE PLANS.

THE PLANS ARE DESIGNED TO DEMONSTRATE FIRE SAFER LANDSCAPING APPROACHES WITH LOWER, LESS WOODY PLANTS CLOSE TO BUILDINGS, AND TREES POSITIONED TO ALLOW MAINTENANCE OF BRANCHES 10' AWAY FROM BUILDINGS.

LOW IMPACT DEVELOPMENT ("LID") ELEMENTS SUCH AS PERMEABLE PAVING, AND DOWNSPOUTS DISCONNECTED FROM STORM SEWERS AND DRAINING TO RAINGARDENS OR LANDSCAPE STRIPS, ARE PROVIDED TO INFILTRATE MORE STORMWATER RUN-OFF ON SITE, INCREASE GROUNDWATER RECHARGE AND IMPROVE THE AMOUNT OF SOIL MOISTURE AVAILABLE TO PLANTS THEREBY REDUCING IRRIGATION NEEDS.

LANDSCAPE DESIGN REQUIREMENTS

THE PLANTINGS ARE DESIGNED TO COMPLY WITH THE APPENDIX D "PRESCRIPTIVE COMPLIANCE" OPTION OF WELO:

- 1. MEDIUM WATER USE PLANTINGS DO NOT EXCEED 25 PERCENT OF THE TOTAL PLANTED AND IRRIGATED AREA.
- 2. LOW WATER USE OR CLIMATE-ADAPTED SPECIES THAT REQUIRE LITTLE OR NO SUMMER WATER ARE SELECTED FOR AT LEAST 75 PERCENT OF THE PLANTED AND IRRIGATED AREA
- 3. PERMITTED LANDSCAPE AREA MUST BE SMALLER THAN 2500 SF OF PLANTED AND IRRIGATED AREA
- 4. PLANS ARE INTENDED FOR USE ON SITES WITH LESS THAN 8% SLOPES.

ADDITIONAL GUIDELINES FOR THE PLANTINGS:

- A. FIRE SAFER PLANTINGS ARE INDICATED ON PLANT LISTS AND USED WITHIN 5' OF HOMES.
- B. CONVENTIONAL TURF IS NOT PROVIDED DUE TO HIGH WATER USE.
- C. TREES ARE LOCATED FOR SHADE ON GARDEN AREAS AND TO PROVIDE SOLAR ACCESS FOR SOLAR PANELS ON ROOFS. TREES ARE LOCATED AWAY FROM BUILDING STRUCTURES SO THAT BRANCHES CAN BE MAINTAINED 10' FROM ROOFS AND CHIMNEYS.
- D. PLANTS ARE PLACED IN APPROPRIATE MICROCLIMATES BY EVALUATING THE DIRECTION THE FRONT YARD IS FACING AND NORTH ARROWS ARE INDICATED ON PLANS.
- E. PLANTS ARE GROUPED IN IRRIGATION ZONES ("HYDROZONES") BASED ON SIMILAR WATER NEEDS AS DEFINED BY THE STATE WATER USE CLASSIFICATIONS OF LANDSCAPE SPECIES IV ("WUCOLS IV") REGION 1 LIST
- F. RAINWATER AND STORMWATER ELEMENTS SHOULD BE REVIEWED WITH SITE DESIGN TEAM AND GENERAL CONTRACTOR PRIOR TO SITE GRADING
- G. PERVIOUS PAVING OPTIONS SHOULD BE REVIEWED WITH SITE DESIGN TEAM AND GENERAL CONTRACTOR
- H. SEE SONOMA- MARIN SAVING WATER PARTNERSHIP WEBSITE FOR FURTHER INFORMATION AND FAQ: <http://www.savingwaterpartnership.org/landscape-design-templates/>

IRRIGATION DESIGN REQUIREMENTS AND GUIDELINES

THE IRRIGATION SYSTEM IS DESIGNED TO COMPLY WITH THE PRESCRIPTIVE COMPLIANCE OPTION OF WELO:

- 1. INSTALL AN AUTOMATIC IRRIGATION CONTROLLER THAT DOES NOT LOSE PROGRAMMING DATA AFTER A POWER FAILURE (NON-VOLATILE MEMORY) AND UTILIZES EVAPOTRANSPIRATION OR SOIL MOISTURE SENSOR DATA.
- 2. INSTALL A RAIN SENSOR.

ADDITIONAL GUIDELINES FOR THE IRRIGATION SYSTEMS:

- 3. SYSTEM IS DESIGNED TO REDUCE WATER USE TO THE MINIMUM AMOUNT TO SUSTAIN HEALTHY PLANT GROWTH AND TO PREVENT RUNOFF.
- 4. A MANUAL SHUT-OFF VALVE IS INSTALLED AS CLOSE AS POSSIBLE TO THE POINT OF CONNECTION.
- 5. PRESSURE REGULATION IS PROVIDED TO ENSURE THE DYNAMIC PRESSURE OF THE SYSTEM IS WITHIN THE MANUFACTURERS RECOMMENDED PRESSURE RANGE FOR THE IRRIGATION COMPONENTS.
- 6. ALL IRRIGATION EMISSION DEVICES MUST MEET THE ANSI STANDARD, ASABE/ICC 802-2014 LANDSCAPE IRRIGATION SPRINKLER AND EMITTER STANDARD. SPRINKLER HEADS MUST DOCUMENT A DISTRIBUTION UNIFORMITY LOW QUARTER OF 0.65 OR HIGHER.
- 7. ALL AREAS UTILIZE DRIP IRRIGATION ASSEMBLIES TO ENABLE THE SCALING OF PLANS.
- 8. SPRAY IRRIGATION NOT ALLOWED.

TREE IRRIGATION:

- 9. ALLOW DEEP ROOT WATERING OF THE ENTIRE TREE ROOT SYSTEM WHICH EXTENDS WELL BEYOND THE DRIPLINE OF THE TREE CANOPY.
- 10. ALLOW FOR MOVING THE TREE IRRIGATION DISTRIBUTION LINES AWAY FROM TREE TRUNK AFTER ESTABLISHMENT AND EXPANDING THE LINE OUTWARD WITH ROOT DEVELOPMENT.
- 11. PROVIDE SEPARATE TREE VALVES SO THE TREE VALVE CAN BE LEFT ON DURING PERIODS OF DROUGHT.

SOIL MANAGEMENT REQUIREMENTS

SOIL MANAGEMENT IS DESIGNED TO COMPLY WITH THE PRESCRIPTIVE COMPLIANCE OPTION OF WELO:

- 1. INCORPORATE COMPOST AT A RATE OF AT LEAST FOUR CUBIC YARDS PER 1,000 SQUARE FEET TO A DEPTH OF SIX INCHES INTO THE LANDSCAPE AREA.
- 2. AFTER PLANTING, A MINIMUM THREE INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS.
- 3. MULCH CAN BE REDUCED FOR NATIVE GRASS AND/OR WILDFLOWER AREAS.

POST-CONSTRUCTION REQUIREMENTS

STEP 5: POST-CONSTRUCTION CERTIFICATION

TO BE SIGNED BY APPLICANT

I HAVE COMPLIED WITH THE REQUIREMENTS OF THE PRESCRIPTIVE COMPLIANCE OPTION OF THE WATER EFFICIENT LANDSCAPE ORDINANCE

APPLICANT NAME (PLEASE PRINT)

APPLICANT SIGNATURE

DATE

STEP 6: WELO FINAL INSPECTION CHECKLIST

YES NO NA

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SYMBOLS & DEFINITIONS

- 1. CLIMATE ADAPTIVE: NON-NATIVE PLANTS WHICH ARE ADAPTED TO LOCAL MICROCLIMATES.
- 2. INVASIVE PLANTS: CALIFORNIA INVASIVE PLANT COUNCIL ("Cal-IPC") DEFINES INVASIVE PLANTS AS: PLANTS THAT ARE NOT NATIVE TO AN ENVIRONMENT, AND ONCE INTRODUCED, THEY ESTABLISH, QUICKLY REPRODUCE AND SPREAD, AND CAUSE HARM TO THE ENVIRONMENT, ECONOMY, OR HUMAN HEALTH.
- 3. HYDROZONE: AN AREA OF THE LANDSCAPE HAVING PLANTS WITH SIMILAR WATER NEEDS AND ROOTING DEPTHS AND THE SAME MICRO-CLIMATE.
- 4. IRRIGATION CONTROLLER: SMART CONTROLLERS ARE REQUIRED. THESE ADJUST AUTOMATICALLY USING WEATHER OR SOIL MOISTURE DATA.
- 5. MICROCLIMATE: THE CLIMATE WITHIN EACH DIFFERENT SUB-AREA OF THE LANDSCAPE WHICH DEPENDS ON ITS SUN AND WIND EXPOSURE, PROXIMITY TO REFLECTIVE SURFACES, PLANT DENSITY AND OTHER FACTORS.
- 6. WELO: THE CALIFORNIA MODEL WATER EFFICIENT LANDSCAPE ORDINANCE THAT REQUIRES WATER CONSERVATION MEASURES TO BE IMPLEMENTED IN LANDSCAPES AND HAS BEEN IN EFFECT SINCE 1990.
- 7. PLANT WATER USE: AN ESTIMATE OF THE AMOUNT OF WATER NEEDED BY PLANTS TO THRIVE IN WARM/DRY PERIODS. PLANTS ARE GROUPED INTO VERY LOW, LOW, MODERATE AND HIGH WATER USE AND ARE ASSIGNED PLANT FACTOR VALUES.
- 8. TURF: A GROUND COVER SURFACE OF MOWED GRASS (CONVENTIONAL LAWN)
- 9. TURF ALTERNATIVE: A LOW WATER USE GRASS OR GROUNDCOVER PLANTING THAT SPREADS TO FORM A LOW COVER THAT CAN BE OCCASIONALLY WALKED UPON.
- 10. WEATHER SENSOR: SENSOR CONNECTED TO THE IRRIGATION CONTROLLER WHICH DETECTS RAIN, FREEZE, WIND ETC. AND SUSPENDS OR ADJUSTS IRRIGATION OPERATION.

REFERENCE

TITLE 23 CHAPTER 2.7 MWEL0: THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE

MWEL0 SECTIONS:

490.1 (c) & D 9 (a): APPLICABILITY
491 DEFINITIONS
D (b) (A-H): PROJECT INFORMATION
D (b) (H): LANDSCAPE DOCUMENTATION PACKAGE
D (b) (5): IRRIGATION DESIGN PLAN
D (b) (2) & (3) (B): SOIL MANAGEMENT
D(c) MWEL0 FINAL INSPECTION CHECKLIST
SECTION 492.7
(a)(1)(B) IRRIGATION CONTROLLER
(a)(1)(D) WEATHER SENSOR

PRE CONSTRUCTION - PERMIT APPLICATION BY OWNER - FILL IN AREAS BELOW

CONFIRM APPLICABILITY

THIS PLAN SHEET IS FOR USE FOR:

1) FRONT YARD LANDSCAPES UP TO 2,500 SF WHICH THE LOCAL JURISDICTION PERMIT AGENCY ALLOWS TO COMPLY WITH PRESCRIPTIVE COMPLIANCE MEASURES. SEE APPENDIX D OF MWEL0.

STEP 1: PROJECT INFORMATION

TO BE FILLED OUT BY APPLICANT

DATE: _____

PROJECT APPLICANT (NAME): _____

PROJECT ADDRESS: _____

TOTAL PROJECT LANDSCAPE AREA \leq 2500 SF): _____(SF)

MEDIUM WATER USE PLANT MATERIAL AREA \leq 25%): _____(SF)

LOW TO VERY LOW NON-TURF PLANT MATERIAL AREA \leq 75%): _____(SF)

PROJECT TYPE: NEW RESIDENTIAL

WATER SUPPLY TYPE : _____
(POTABLE/RECYCLED/WELL)

LOCAL WATER PURVEYOR: _____

STEP 2: SIGN PRE-CONSTRUCTION AGREEMENT

TO BY SIGNED BY APPLICANT

I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE PRESCRIPTIVE COMPLIANCE OPTION OF THE WATER EFFICIENT LANDSCAPE ORDINANCE

APPLICANT NAME (PLEASE PRINT)

APPLICANT SIGNATURE

DATE

STEP 3: PROVIDE PERMIT AGENCY REQUIRED PLANS

PLANS TO BE PROVIDED BY APPLICANT:	OPTIONAL PLANS
<ul style="list-style-type: none">- L-0.0 PERMIT COVER SHEET- L-1.0 LANDSCAPE DESIGN PLAN- L-1.1 LANDSCAPE DESIGN PLAN- L-2.0 IRRIGATION DESIGN PLAN- L-2.1 IRRIGATION DESIGN PLAN- L-2.2 IRRIGATION DETAIL SHEET- L-3.0 PAVING DETAILS- L-3.1 L.I.D. DETAILS- L-3.2 PLANTING DETAILS	<ul style="list-style-type: none">GW-1.0GW-1.1RW-1.0

STEP 4: SIGN DISCLAIMER

TO BE SIGNED BY APPLICANT

BY USING THESE PLANS, I AGREE TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE SONOMA-MARIN SAVING WATER PARTNERSHIP, ITS MEMBERS (SONOMA COUNTY WATER AGENCY, CITY OF SANTA ROSA, MARIN MUNICIPAL WATER DISTRICT, NORTH MARIN WATER DISTRICT, CITY OF ROHNERT PARK, CITY OF PETALUMA, CITY OF COTATI, CITY OF SONOMA, VALLEY OF THE MOON WATER DISTRICT AND TOWN OF WINDSOR) AND THEIR DIRECTORS, OFFICERS, AGENTS, EMPLOYEES AND LANDSCAPE DESIGN CONSULTANTS AGAINST ANY AND ALL LOSS, LIABILITY, EXPENSE, CLAIMS, SUITS AND DAMAGES, INCLUDING ATTORNEY'S FEES, ARISING OUT OF OR RESULTING FROM THE USE OF THIS LANDSCAPE PLAN. I UNDERSTAND THAT IT IS MY RESPONSIBILITY AS THE PROJECT OWNER TO ENSURE THAT PLAN ELEMENTS ARE IMPLEMENTED SAFELY AND ACCORDING TO APPLICABLE STATUTES, RULES, REGULATIONS, ORDINANCES AND/OR CODES.

SONOMA-MARIN SAVING WATER PARTNERSHIP, ITS MEMBERS AND LANDSCAPE DESIGN CONSULTANTS MAKE NO REPRESENTATIONS AND GRANT NO WARRANTIES, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, BY STATUTE OR OTHERWISE, AND SONOMA-MARIN SAVING WATER PARTNERSHIP, ITS MEMBERS AND DESIGN CONSULTANTS EACH SPECIFICALLY DISCLAIM ANY OTHER WARRANTIES, WHETHER WRITTEN OR ORAL, OR EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE OR ANY WARRANTY AS TO THE VALIDITY OF ANY PATENTS OR THE NON-INFRINGEMENT OF ANY INTELLECTUAL PROPERTY RIGHTS OF THIRD PARTIES.

APPLICANT NAME (PLEASE PRINT)

APPLICANT SIGNATURE

DATE

AGENCY STAMP



ABLA

ANN BAKER LANDSCAPE ARCHITECTURE
625 2ND ST., STE 110
PETALUMA, CA 94962
TEL.: (707) 772-5062
EMAIL: landarches@gmail.com



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P D G

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LANDSCAPE ARCHITECTURE

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SONOMA-MARIN SAVING WATER PARTNERSHIP
www.savingwaterpartnership.org

NAME: _____
SITE ADDRESS: _____



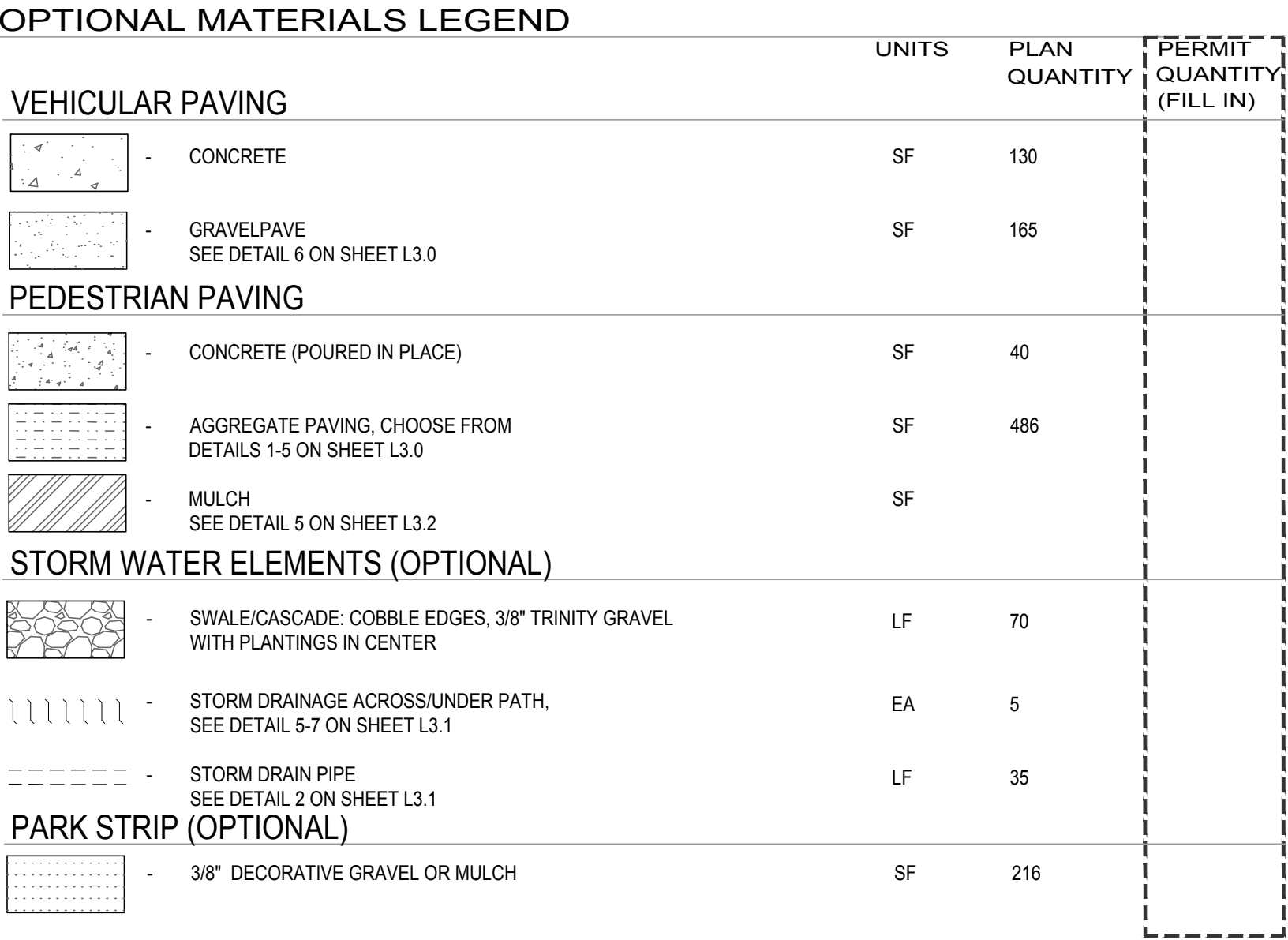
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RESIDENTIAL
LANDSCAPE
PERMIT COVER
SHEET

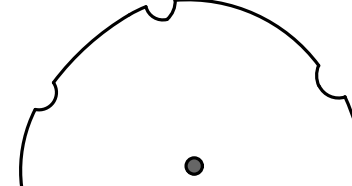
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PERMIT PLAN
SEPTEMBER 26, 2018



L-0.0

SHEET
OF



PLANTING LEGEND						
AREA	BOTANICAL NAME	SIZE	SPACING	PLAN QUANTITY	PERMIT QUANTITY (FILL IN)	
PLANTING LOW WATER USE						

	<p>LARGE TREE QUERCUS LOBATA (VALLEY OAK) QUERCUS AGRIFOLIA (COAST LIVE OAK)</p>	15G	30-60' O.C.	1
	<p>MEDIUM TREE ARBUTUS 'MARINA' (STRAWBERRY TREE) CERCIS (REDBUD) GINKGO (MAIDENHAIR TREE)</p>	15G	20-40' O.C.	4
	<p>LARGE SHRUB CEANOTHUS 'RAY HARTMAN'</p>	5G	8' O.C.	2

GROUND COVER			
	- SALVIA 'DARA'S CHOICE' (DARA'S CHOICE HYBRID SAGE)	4"	30" O.C. 23
	- FESTUCA IDAHOENSIS 'TOMALES BAY' (IDAHO FESCUE) - FESTUCA IDAHOENSIS 'CONCHINA' RUBY BLUE EXES. PEBBLES	4"	18" O.C. 45

GRASSES				
	- MUHLENBERGIA DUBIA (PINE MUHLY)	4"	3' O.C.	22

PERENNIALS 0-2' SUN

	- EPIOBIUM CANUM 'MARIN PINK' (PINK CA. FUCHSIA)	4"	3' O.C.	35
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- SIDAECIA MALVIFLORA (DWARF CHECKERBLOOM)	4"	2' O.C.	18
LESSINGIA FILAGINIFOLIA 'SILVER CARPET' (SILVER CARPET BEACH ASTER)	1G	6' O.C.	9

(SILVER SALT ET BEACHTASTER)

PERENNIALS 2-4' SUN

	- AQUILEGIA FORMOSA (WESTERN COLUMBINE)	4"	18" O.C.	6
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SHRUBS 3-6' SJN

[illegible]


CEANOTHUS 'CONCHA' (CALIFORNIA LILAC)	1G	6' O.C.	6
- FRANGULA CALIFORNICA 'SEAVIEW IMPROVED'	1G	3' O.C.	7

(COFFEEBERRY)

PLANTING MEDIUM WATER USE

SHRUBS & PERENNIALS SUN TO PT. SHADE

	- ARCTOSTAPHYLOS EDMUNDSII 'BERT JOHSON'	1G	24" O.C.	29
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	HEUCHERA MAXIMA OR H. VILLOSA 'AUTUMN BRIDE'	4"	30"	52
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RAIN GARDEN (OPTIONAL)

RAIN GARDEN (OPTIONAL)

***** BOTTOM PERIMETER OF RAIN GARDEN

	- CAREX PRAEGRACILIS (CA FIELD SEDGE) OR BIOSWALE SOD MIX	2" (OR SOD) 16" O.C.	30
	*SFED MIMULUS CARDINALIS		

	- AQUILEGIA FORMOSA (WESTERN COLUMBINE)	4"	18" O.C.	12
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	- JUNCUS PATENS (CALIFORNIA GREY RUSH)	2"	3' O.C.	45
	- ACHILLEA 'MOONSHINE' (MOONSHINE YARROW)	1G	2' O.C.	8

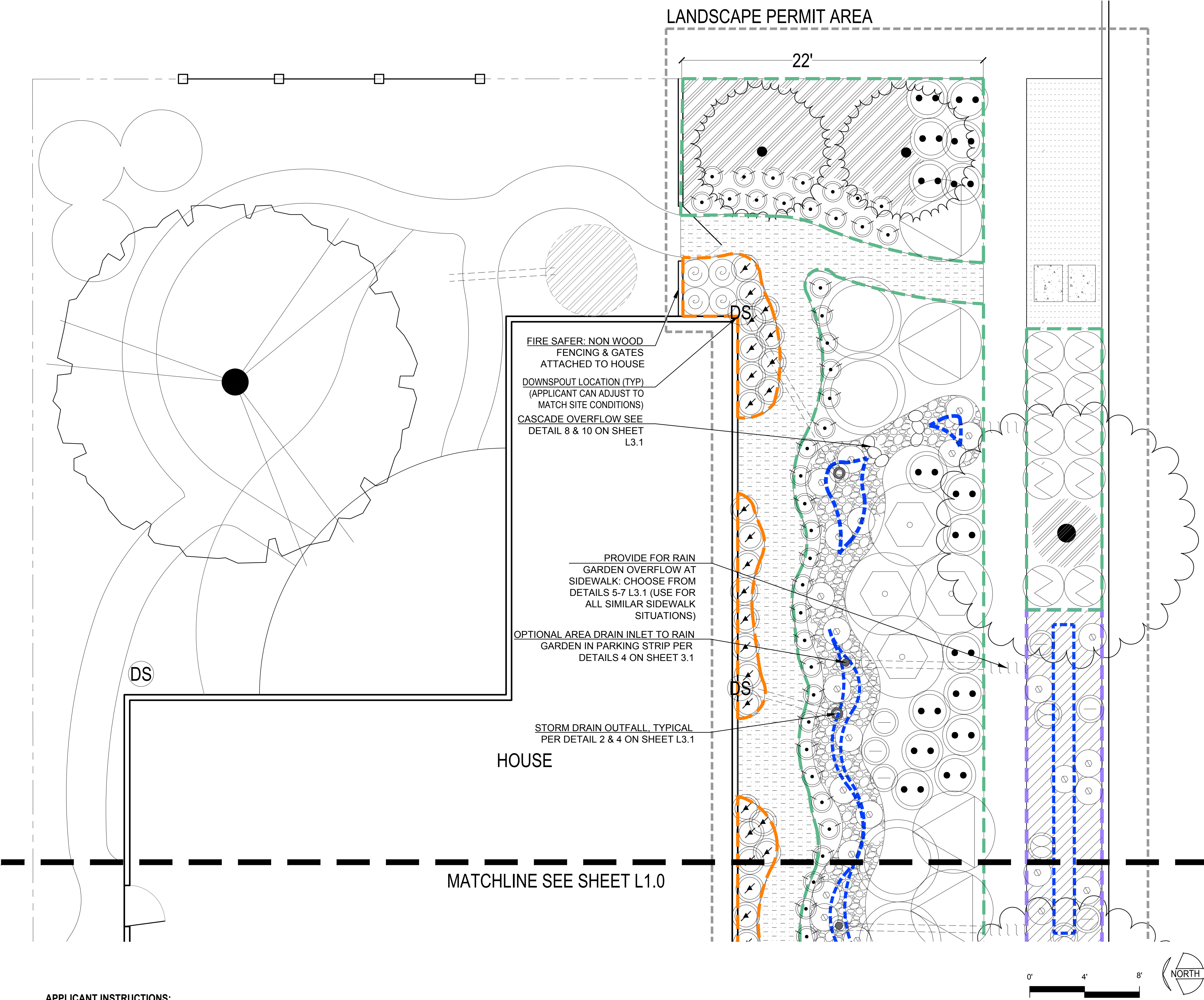
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*SEE MASTER PLANT LIST FOR PLANT SUBSTITUTIONS AND SHADE ALTERNATES, AVAILABLE FROM SONOMA-MARIN SAVING WATER PARTNERSHIP <http://www.savingwaterpartnership.org>.

PLANTING NOTES:
1. REFER TO PLANTING DETAILS ON SHEET L3.2

1. REFER TO PLANTING DETAILS ON SHEET L3.2.

[illegible]



APPLICANT INSTRUCTIONS:

1. MEASURE ENTIRE FRONT YARD AREA. SUBTRACT HARDSCAPE AREAS TO GET THE TOTAL SQUARE FEET OF PLANTED AND IRRIGATED AREA. ENTER THIS NUMBER IN THE PLANT WATER USE TABLE ON THIS SHEET.
2. IF NEEDED USE A RED PEN TO ADJUST THE LAYOUT OF DRIVEWAY, PATHS AND PLANTING AREAS TO FIT YOUR YARD.
3. ADJUST ORIENTATION OF NORTH ARROW TO SITE CONDITION.
4. ADD ANY EXISTING TREES IN RED ON THE PLAN. ADJUST TREE LOCATIONS IF NEEDED TO FIT YOUR SITE.
5. FILL IN PLANT WATER USE TABLE.
6. INSURE LESS THAN 25% OF PLANTED AREA IS MEDIUM WATER USE PLANTINGS.
7. IN THE LEGEND, CIRCLE THE HARDSCAPE MATERIALS YOU WILL BE USING AND ON DETAIL SHEETS L3.0, L3.1 & L3.2.
8. INDICATE ANY SUBSTITUTIONS TO THE PLANTINGS BY CROSSING OUT THE LISTED PLANTS AND WRITING THE SUBSTITUTION BELOW IN RED INK. MAKE SURE THE PLANTS USED HAVE MATCHING WATER USE AND ARE ROUGHLY THE SAME SIZE (SEE SONOMA-MARIN SAVING WATER PARTNERSHIP <http://www.savingwaterpartnership.org> FOR SUBSTITUTIONS).
9. MOVE TO THE IRRIGATION PLAN AND FILL IN THE AREAS INDICATED ON THAT SHEET.

NOTE:

1. PLANTING DESIGN FOR FULL COVER WITHIN 3 YEARS.
2. THE GARDEN IS DESIGNED TO CAPTURE AND INFILTRATE SOME STORM WATER ON SITE. WHEN THE FLOW IS DIRECTED TO A SWALE OR RAIN GARDEN, IT NEEDS AN OVERFLOW OUTLET THAT WON'T ERODE, OPTIONS ARE PROVIDED ON THE DETAIL SHEETS. SPLASHBLOCKS AND OUTLETS IN PLANTING BEDS ARE MEANT TO SPREAD THE FLOW TO SHEETFLOW OVER PLANTING AREAS AND NO OVERFLOW DEVICE IS NEEDED.
3. REVIEW IRRIGATION SHEETS AND INSTALL SLEEVES UNDER PAVING SURFACES IN THEIR CORRECT LOCATION.

OPTIONAL MATERIALS LEGEND

VEHICULAR PAVING

- CONCRETE
- GRAVELPAVE
SEE DETAIL 6 ON SHEET L3.0

PEDESTRIAN PAVING

- CONCRETE (POURED IN PLACE)
- AGGREGATE PAVING, CHOOSE FROM DETAILS 1-5 ON SHEET L3.0
- MULCH
SEE DETAIL 5 ON SHEET L3.2

STORM WATER ELEMENTS (OPTIONAL)

- SWALE/CASCADE: COBBLE EDGES, 3/8" TRINITY GRAVEL WITH PLANTINGS
- STORM DRAINAGE ACROSS/UNDER PATH, SEE DETAIL 5-7 ON SHEET L3.1
- STORM DRAIN PIPE
SEE DETAIL 2 ON SHEET L3.1

PARK STRIP (OPTIONAL)

- 3/8" DECORATIVE GRAVEL OR MULCH

*SEE SHEETS L3.0-3.2 FOR MATERIALS OPTIONS

PLANTING LEGEND

PLANTING LOW WATER USE

AREA	BOTANICAL NAME	SIZE	SPACING	PLAN QUANTITY	PERMIT QUANTITY (FILL IN)
	LARGE TREE QUERCUS LOBATA (VALLEY OAK) QUERCUS AGRIFOLIA (COAST LIVE OAK)	15G	30-60' O.C.	1	
	MEDIUM TREE ARBUTUS 'MARINA' (STRAWBERRY TREE) CERCIS (REDBUD) GINKGO (MAIDENHAIR TREE)	15G	20-40' O.C.	4	
	LARGE SHRUB CEANOTHUS 'RAY HARTMAN'	5G	8' O.C.	2	

GROUNDCOVER

- SALVIA 'DARA'S CHOICE'
(DARA'S CHOICE HYBRID SAGE)
- FESTUCA IDAHOENSIS 'TOMALES BAY' (IDAHO FESCUE)
'SEED CLARKIA CONCINNA, BABY BLUE EYES, POPPIES

GRASSES

- MUHLENBERGIA DUBIA (PINE MUHLY)
'SEED TIDY TIPS

PERENNIALS 0-2' SUN

- EPILOBIUM CANUM 'MARIN PINK'
(PINK CA FUCHSIA)
- SIDALCEA MALVIFLORA (DWARF CHECKERBLOOM)
- LESSINGIA FILAGINIFOLIA 'SILVER CARPET'
(SILVER CARPET BEACH ASTER)

PERENNIALS 2-4' SUN

- AQUILEGIA FORMOSA (WESTERN COLUMBINE)

SHRUBS 3-6' SUN

- CEANOTHUS 'CONCHA' (CALIFORNIA LILAC)
- FRANGULA CALIFORNICA 'SEAVIEW IMPROVED'
(COFFEEBERRY)

PLANTING MEDIUM WATER USE

SHRUBS & PERENNIALS SUN TO PT. SHADE

- ARCTOSTAPHYLOSDUMDSII 'BURT JOHNSON'
- HEUCHERA MAXIMA OR H. VILLOSA 'AUTUMN BRIDE'

RAIN GARDEN (OPTIONAL)

- BOTTOM PERIMETER OF RAIN GARDEN
- CAREX PRAEGRACILIS (CA FIELD SEDGE) OR BIOSWALE SOD MIX
'SEED MIMULUS CARDINALIS

- AQUILEGIA FORMOSA (WESTERN COLUMBINE)
- JUNCUS PATENS (CALIFORNIA GREY RUSH)
- ACHILLEA 'MOONSHINE' (MOONSHINE YARROW)

*SEE MASTER PLANT LIST FOR PLANT SUBSTITUTIONS AND SHADE ALTERNATES, AVAILABLE FROM SONOMA-MARIN SAVING WATER PARTNERSHIP <http://www.savingwaterpartnership.org>.

PLANTING NOTES:

1. REFER TO PLANTING DETAILS ON SHEET L3.2.

BY USING THESE PLANS, I AGREE TO DEFEND, INDEMNIFY, AND HOLD HARMLESS THE SONOMA-MARIN SAVING WATER PARTNERSHIP (ITS MEMBERS SONOMA COUNTY WATER AGENCY, CITY OF SAN RAFAEL, MARIN MUNICIPAL WATER DISTRICT, NORTH BAY AREA WATER DISTRICT, CITY OF NUBIA, CITY OF PETALUMA, CITY OF EGGAL, CITY OF SONOMA, VALLEY OF THE MOON WATER DISTRICT AND TOWN OF WINDSOR) AND THEIR DIRECTORS, OFFICERS, AGENTS, EMPLOYEES AND LANDSCAPE DESIGN CONSULTANTS FROM ANY AND ALL LOSS, LIABILITY, EXPENSE, DAMAGES, SUITS AND DAMAGES, INCLUDING ATTORNEY'S FEES, ARISING OUT OF OR FROM THE USE OF THESE PLANS. I UNDERSTAND THAT IT IS MY RESPONSIBILITY AS THE PROJECT OWNER TO ENSURE THAT PLANNING ELEMENTS ARE IMPLEMENTED SAFELY AND ACCORDING TO APPLICABLE STATUTES, RULES, REGULATIONS, ORDINANCES AND/OR CODES.

SONOMA-MARIN SAVING WATER PARTNERSHIP, ITS MEMBERS AND LANDSCAPE DESIGN CONSULTANTS MAKE NO REPRESENTATION AND GRANT NO WARRANTIES, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, BY STATUTE, CONSTRUCTION, AND SONOMA-MARIN SAVING WATER PARTNERSHIP, ITS MEMBERS AND LANDSCAPE DESIGN CONSULTANTS EACH SPECIFICALLY DISCLAIM ANY OTHER WARRANTIES, WHETHER WRITTEN OR ORAL, OR EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF QUALITY. MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE OR ANY WARRANTY AS TO THE VALIDITY OF ANY PATENTS OR THE NON-INFRINGEMENT OF ANY INTELLECTUAL PROPERTY RIGHTS OF THIRD PARTIES.

ABLA
ANN BAKER LANDSCAPE ARCHITECTURE
625 2ND ST., STE 110
PETALUMA, CA 94952
TEL.: (707) 772-5062
EMAIL: landarches@gmail.com

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SITE ADDRESS: _____

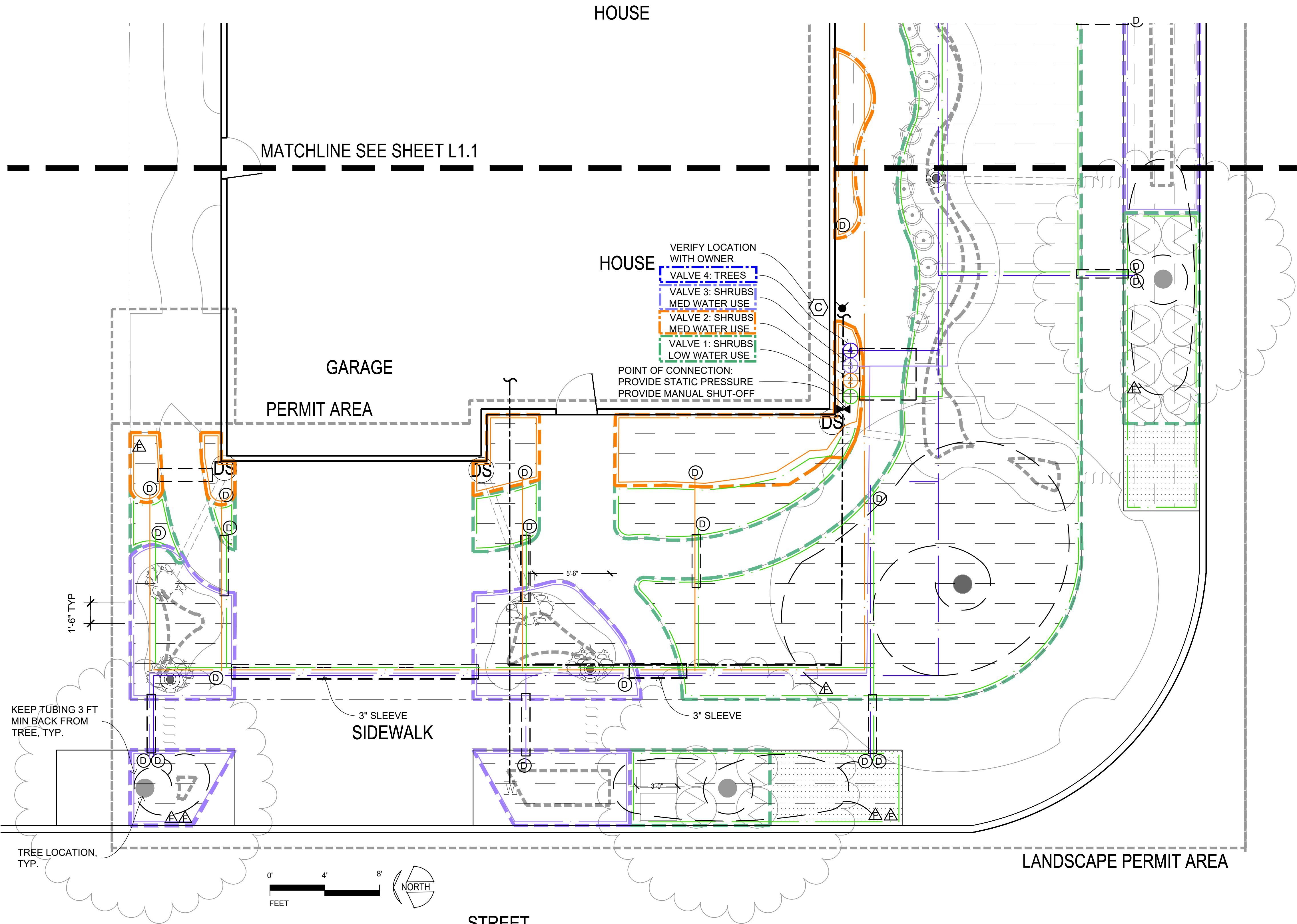
SONOMA-MARIN SAVING WATER PARTNERSHIP

SHEET TITLE:
LAYOUT &
PLANTING PLAN
NATIVE
ADAPTIVE B
(CORNER LOT)

DATE
PERMIT PLAN
SEPTEMBER 10, 2019

L-1.1

SHEET
OF







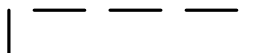




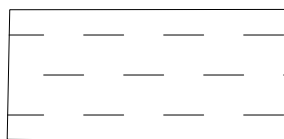
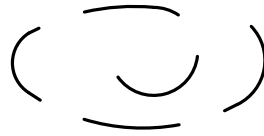

IRRIGATION VALVE TABLE

HYDRO ZONE	WATER USE	VALVE	PLAN SF	SUB - ZONES	PERMIT SF (FILL IN)	SUB - ZONES (FILL IN)	SOIL TYPE (CLAY / LOAM / SAND) (FILL IN)
1	LOW	1	1824 SF	9			
2	MED	2	226 SF	7			
3	MED	3	409 SF	5			
4	TREES	4	305 LF	6			
CLAY SOIL: DO NOT EXCEED 1100 SF / 3 GPM PER SUBZONE. IF TOTAL AREA OF ZONE EXCEEDS 2200 SF, ADD A VALVE.							
LOAM SOIL: DO NOT EXCEED 1100 SF / 3 GPM PER SUBZONE. IF TOTAL AREA OF ZONE EXCEEDS 2200 SF, ADD A VALVE.							
SANDY SOIL: DO NOT EXCEED 500 SF / 3 GPM PER SUBZONE. IF TOTAL AREA OF ZONE EXCEEDS 1000 SF, ADD A VALVE.							
TREE EMITTER TUBING 0.6 GPH PER LEGEND: MIN 20 LF PER VALVE; MAX 200 LF PER SUBZONE; MAX 400 LF PER VALVE FOR EMITTER FLOW, EMITTER SPACING & ROW SPACING PER SOIL TYPE SEE LEGEND							

PLANT WATER USE TABLE			
WATER USE	PLAN SF (%)	PERMIT SF (FILL IN)	PERMIT % (FILL IN)
LOW	1,864 (75%)		
MED	635 (25%0		
TOTAL	2,499 (100%)		

NOTE: 166 SQ FT NON-IRRIGATED AREA

IRRIGATION LEGEND

APPLICANT CHECK-OFF COMPONENTS	SYMBOL	COMPONENT	MANUFAC - TURER	MODEL	NOTES / SIZE / COLOR
		EXISTING WATER METER			
		CONTROLLER	HUNTER	PRO-C	INDOOR
		WEATHER SENSOR	HUNTER	SOLAR-SYNC -SEN	WIRED
		FULL PORT BALL VALVE	NIBCO	585	LINE SIZE
		SLEEVE		PVC SCH 40	
		MAINLINE		PVC SCH 40 WITH SCH 40 SOLVENT WELD FITTINGS	
		LATERAL PIPE (COLOR VARIES PER ZONE)		PVC SCH 40 WITH SCH 40 SOLVENT WELD FITTINGS	PIPE SIZE: 0-6 GPM: 3/4" PIPE; 7-12 GPM: 1" PIPE;
		DRIP IRRIGATION CONTROL VALVE ASSEMBLY TO INCLUDE:			
		ASSEMBLY	HUNTER	ACZ-075-40 DRIP CONTROL ZONE KIT	ALL-IN-ONE KIT INCLUDES BACKFLOW PREVENTION, FILTER AND PRESSURE REGULATOR
		ANTI-SIPHON VALVE (COLOR VARIES PER ZONE)		PGV-ASV, INCLUDED IN KIT	3/4 INCH ANTI-SIPHON VALVE PROVIDES BACKFLOW PREVENTION
		DRIP FILTER		INCLUDED IN KIT	150 MESH STAINLESS STEEL SCREEN
		PRESSURE REGULATION		INCLUDED IN KIT	40 PSI
		NIPPLE		PVC SCH 80 UV RESISTANT	
		TRANSITION TO DRIP ZONE			SEE DETAIL
DRIP LAYOUT					
		PLANTING BEDS			
		TREES			
		INLINE EMITTER TUBING	NETAFIM	TLCV4-1801	CLAY SOIL: EMITTER FLOW: 0.4 GPH; EMITTER SPACING: 18"; ROW SPACING: 18"
				TLCV4-1801	LOAM SOIL: EMITTER FLOW: 0.4 GPH; EMITTER SPACING: 18"; ROW SPACING: 18"
				TLCV6-1201	SANDY SOIL: EMITTER FLOW: 0.6 GPH; EMITTER SPACING: 12"; ROW SPACING: 18"
		DRIP FLUSHOUT	NETAFIM	TLFIG8	
SYMBOLS FOR COMPONENTS ARE LARGER THAN ACTUAL SIZE AND MAY BE SHOWN IN PAVED AREAS FOR GRAPHIC CLARITY. COORDINATE LOCATION OF EQUIPMENT WITH PLUMBER.					
ALL PIPE RUNS UNDER PAVING ARE IN SLEEVES, INSTALL SLEEVES PRIOR TO POURING CONCRETE					

APPLICANT INSTRUCTIONS:

1. ADJUST LAYOUT OF PLANTING BEDS IF CHANGED ON LAYOUT SHEET 1.0.
2. REVIEW IRRIGATION VALVE TABLE TO ADJUST SF AREAS OF VALVE ZONES.
3. IF AREAS EXCEED MAX SUBZONE FLOW (3 GPM) DIVIDE INTO ADDITIONAL SUBZONES AND ENTER UNDER SUBZONE COLUMN
4. IF AREAS EXCEED MAX ZONE FLOW (7 GPM) ADD A VALVE AND ENTER SF AREA NEXT TO NEW VALVE NUMBER ("B" OR "C")
5. DRAW OUT NEW SUBZONE AND/OR VALVE ZONE AREA ON PLAN IN NEW COLOR.
6. ADD VALVE AS NEEDED TO VALVE MANIFOLD.
7. REVIEW IRRIGATION LEGEND AND CHECK OFF THAT ALL COMPONENTS ARE SHOWN ON ADJUSTED PLAN.
8. NOTE ANY EQUIPMENT SUBSTITUTIONS.

BY USING THESE PLANS, I AGREE TO DEFEND, INDEMNIFY, AND HOLD HARMLESS THE SONOMA-MARIN SAVING WATER PARTNERSHIP, ITS MEMBERS (SONOMA COUNTY WATER AGENCY, CITY OF SANTA ROSA, MARIN SAVING WATER AGENCY, CITY OF SAN RAFAEL, MARIN SAVING WATER AGENCY, CITY OF SAN ANTONIO, CITY OF PETALUMA, CITY OF COVATI, CITY OF SONOMA, VALLEY OF THE SONOMA WATER DISTRICT AND TOWN OF WINDSOR) AND THEIR DIRECTORS, OFFICERS, AGENTS, EMPLOYEES AND LANDSCAPE DESIGN CONSULTANTS AGAINST ANY AND ALL LOSS, LIABILITY, EXPENSE, CLAIM, SUIT AND DAMAGES, INCLUDING, BUT NOT LIMITED TO, THE COST OF DEFENSE, ATTORNEY'S FEES, AND THE USE OF THIS LANDSCAPE PLAN, UNDERSTANDING THAT IT IS MY RESPONSIBILITY AS THE PROJECT OWNER TO INSURE THAT PLAN ELEMENTS ARE IMPLEMENTED SAFELY AND ACCORDING TO APPLICABLE STATUTES, RULES, REGULATIONS, ORDINANCES AND/OR CODES.

SONOMA-MARIN SAVING WATER PARTNERSHIP, ITS MEMBERS AND LANDSCAPE DESIGN CONSULTANTS MAKE NO REPRESENTATIONS AND GRANT NO WARRANTIES, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, BY STATUTE OR OTHERWISE, AND SONOMA-MARIN SAVING WATER PARTNERSHIP, ITS MEMBERS AND LANDSCAPE DESIGN CONSULTANTS EACH SPECIFICALLY DISCLAIM ANY OTHER WARRANTIES, WHETHER WRITTEN OR ORAL, OR EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE OR ANY WARRANTY AS TO THE VALIDITY OF ANY PATENTS OR THE NON-INFRINGEMENT OF ANY INTELLECTUAL PROPERTY RIGHTS OF THIRD PARTIES.

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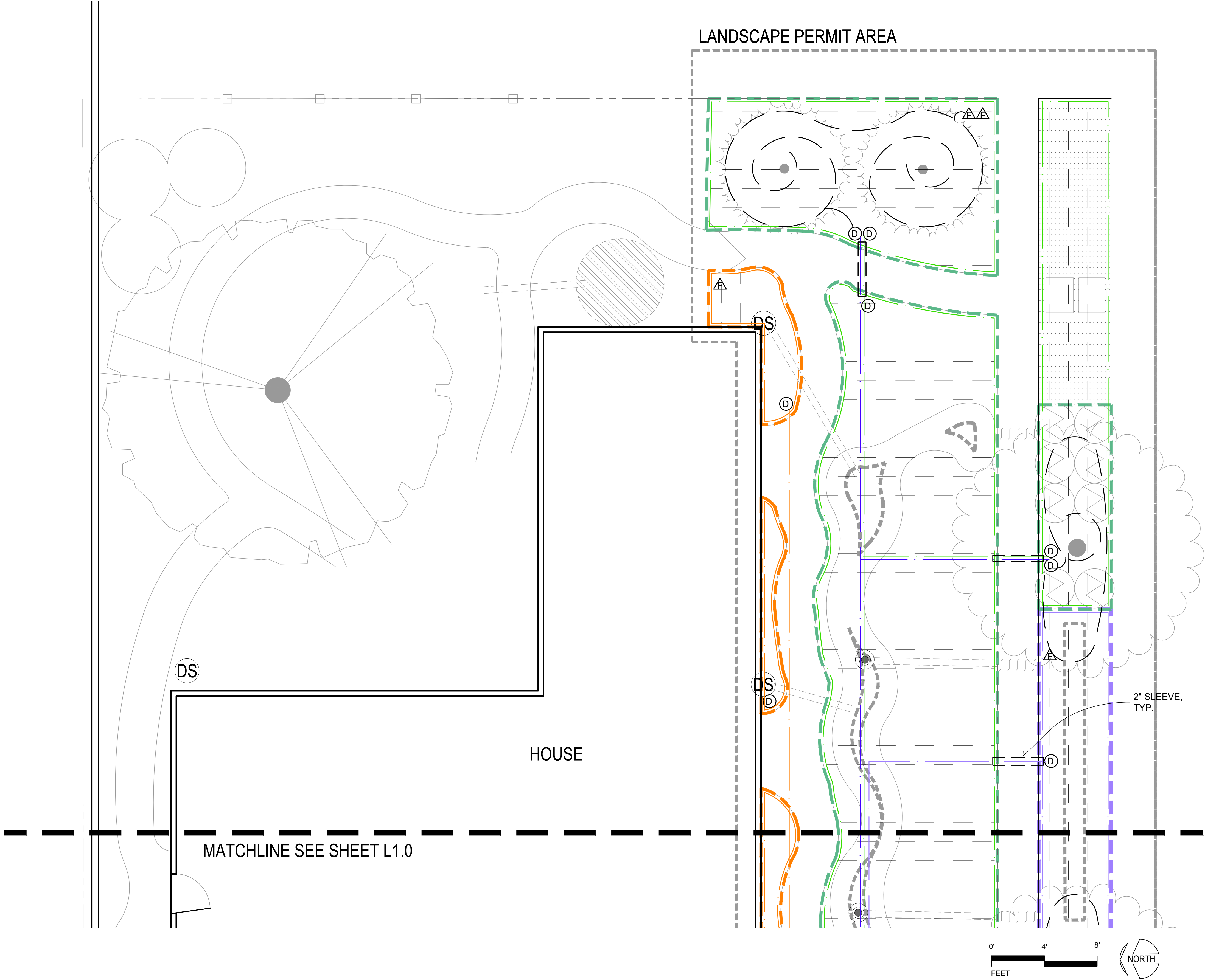
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SHEET TITLE:
IRRIGATION
PLAN
NATIVE
ADAPTIVE B
(CORNER LOT)






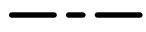



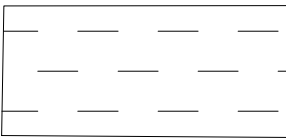
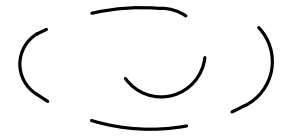

DATE
PERMIT PLAN
APRIL 2, 2019

L-2.0

SHEET
OF



IRRIGATION LEGEND

APPLICANT CHECK-OFF COMPONENTS	SYMBOL	COMPONENT	MANUFAC - TURER	MODEL	NOTES / SIZE / COLOR
		EXISTING WATER METER			
		CONTROLLER	HUNTER	PRO-C	INDOOR
		WEATHER SENSOR	HUNTER	SOLAR-SYNC -SEN	WIRED
		FULL PORT BALL VALVE	NIBCO	585	LINE SIZE
		SLEEVE		PVC SCH 40	
		MAINLINE		PVC SCH 40 WITH SCH 40 SOLVENT WELD FITTINGS	
		LATERAL PIPE (COLOR VARIES PER ZONE)		PVC SCH 40 WITH SCH 40 SOLVENT WELD FITTINGS	PIPE SIZE: 0-6 GPM: 3/4" PIPE; 7-12 GPM: 1" PIPE;
		DRIP IRRIGATION CONTROL VALVE ASSEMBLY TO INCLUDE:			
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		DRIP FILTER		INCLUDED IN KIT	150 MESH STAINLESS STEEL SCREEN
		PRESSURE REGULATION		INCLUDED IN KIT	40 PSI
		NIPPLE		PVC SCH 80 UV RESISTANT	
		TRANSITION TO DRIP ZONE			SEE DETAIL
DRIP LAYOUT					
		PLANTING BEDS			
		TREES			
		INLINE EMITTER TUBING	NETAFIM	TLCV4-1801	CLAY SOIL: EMITTER FLOW: 0.4 GPH; EMITTER SPACING: 18"; ROW SPACING: 18"
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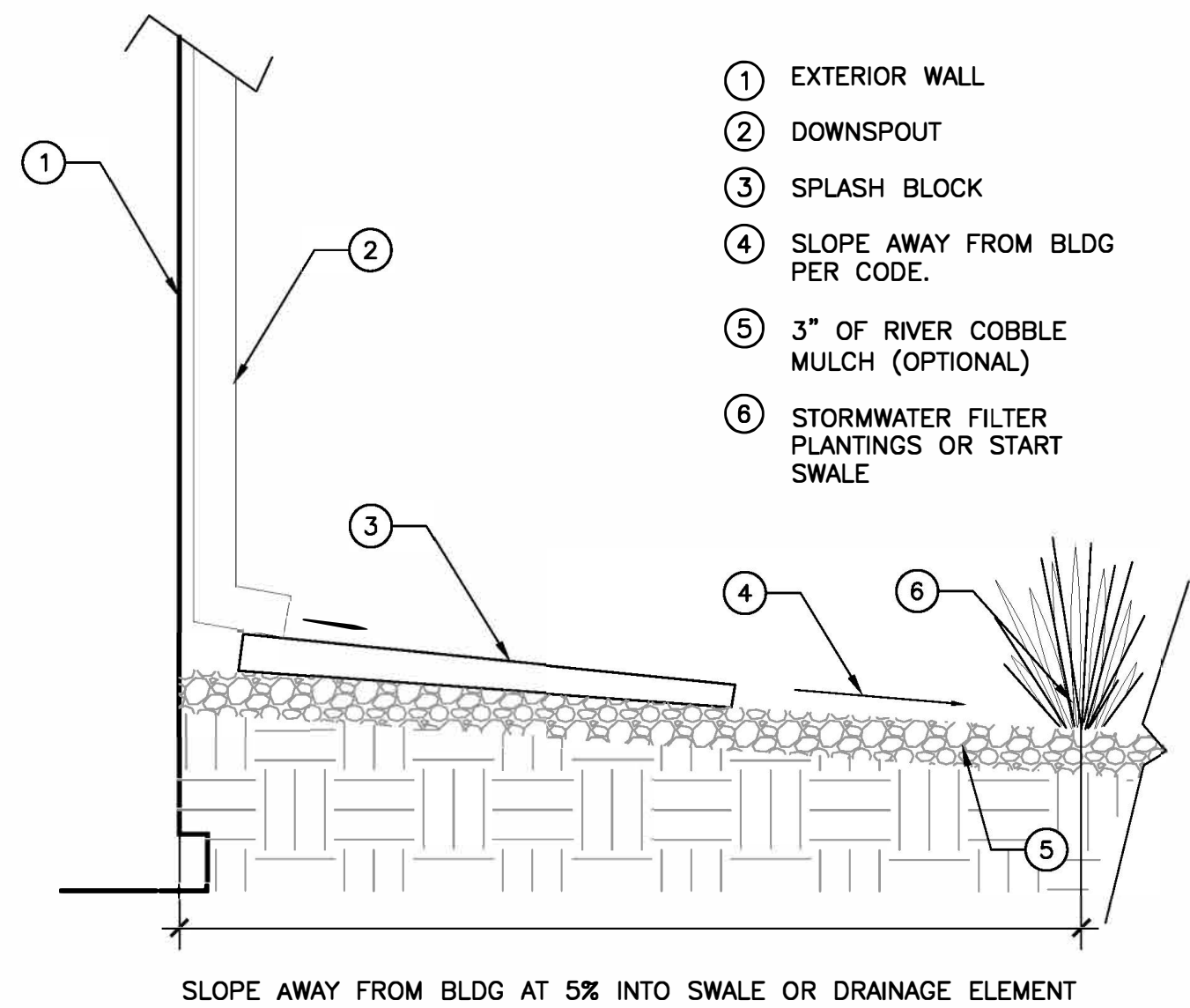
SONOMA-MARIN SAVING WATER PARTNERSHIP

SHEET TITLE:
IRRIGATION
PLAN
NATIVE
ADAPTIVE B
(CORNER LOT)

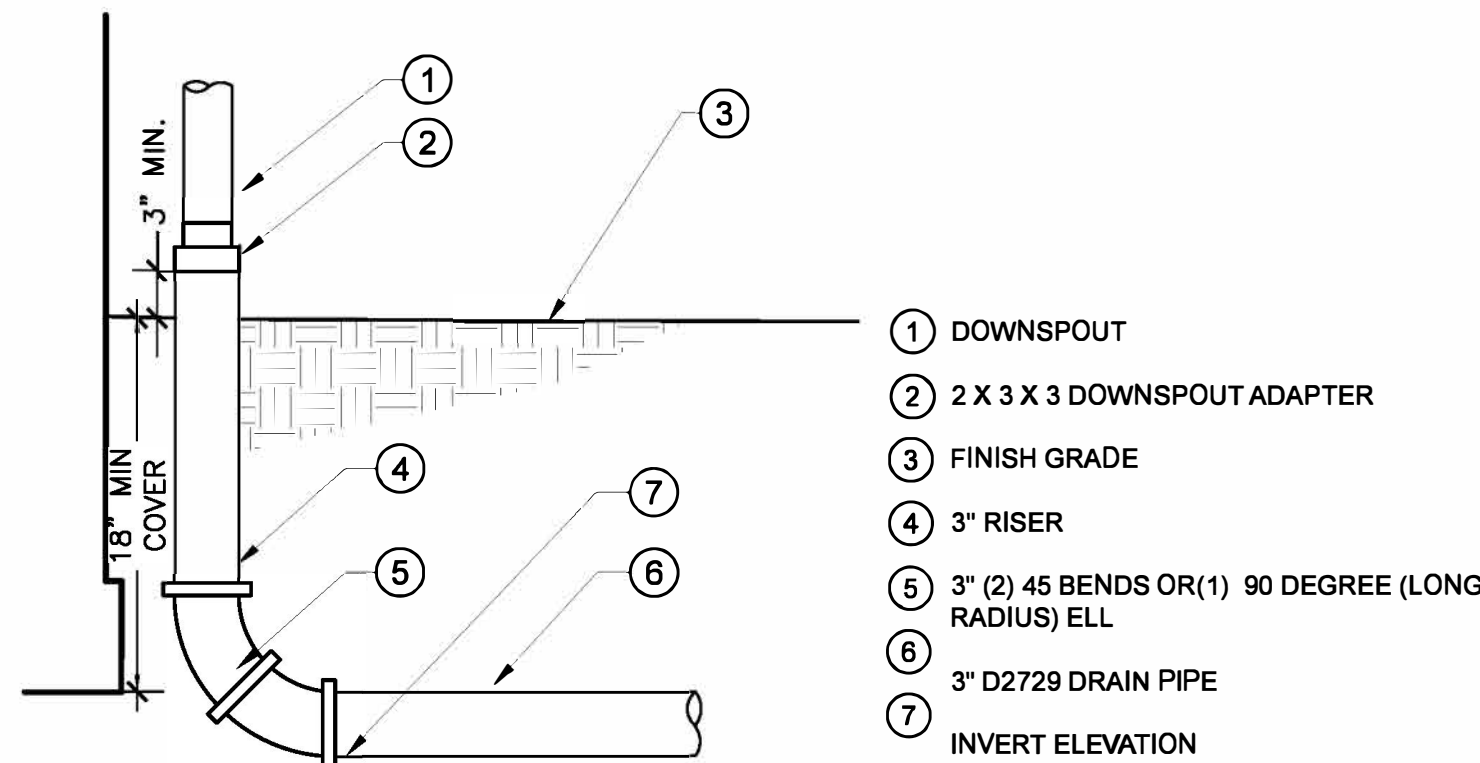
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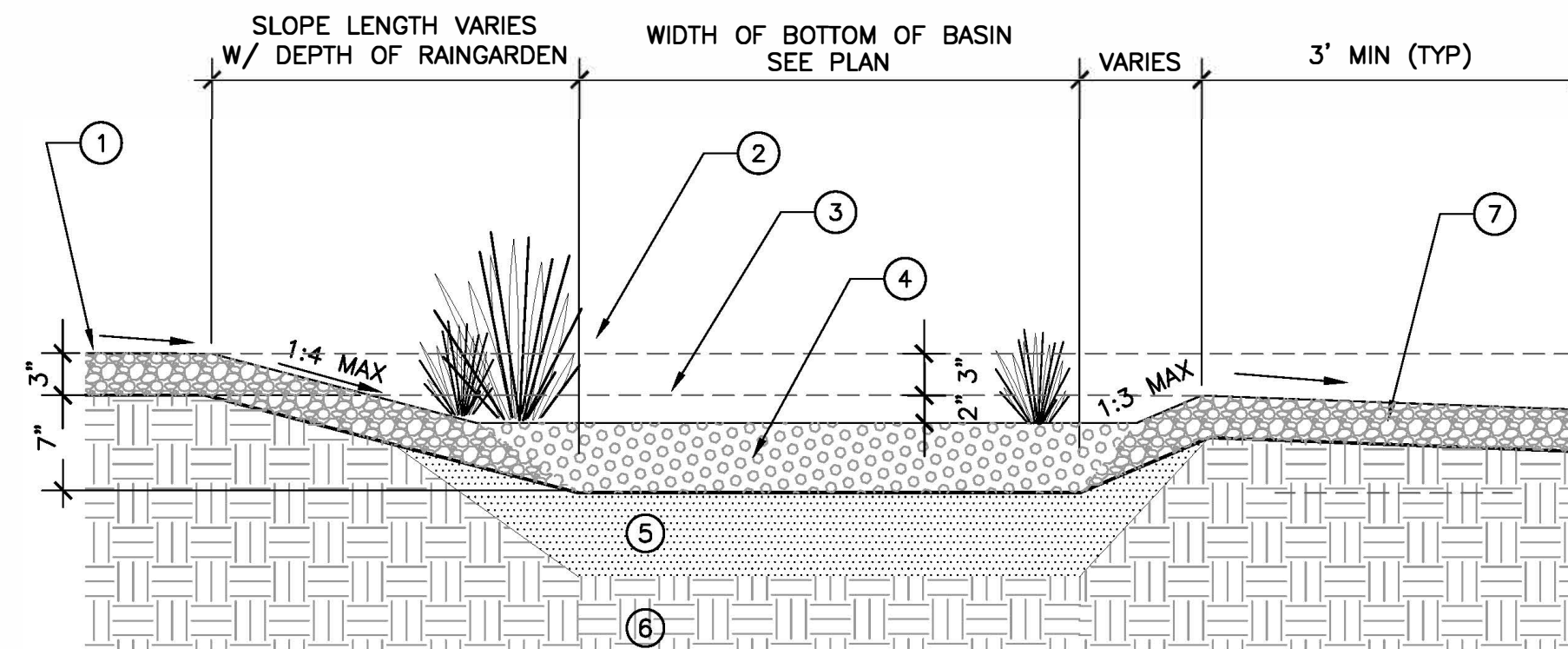
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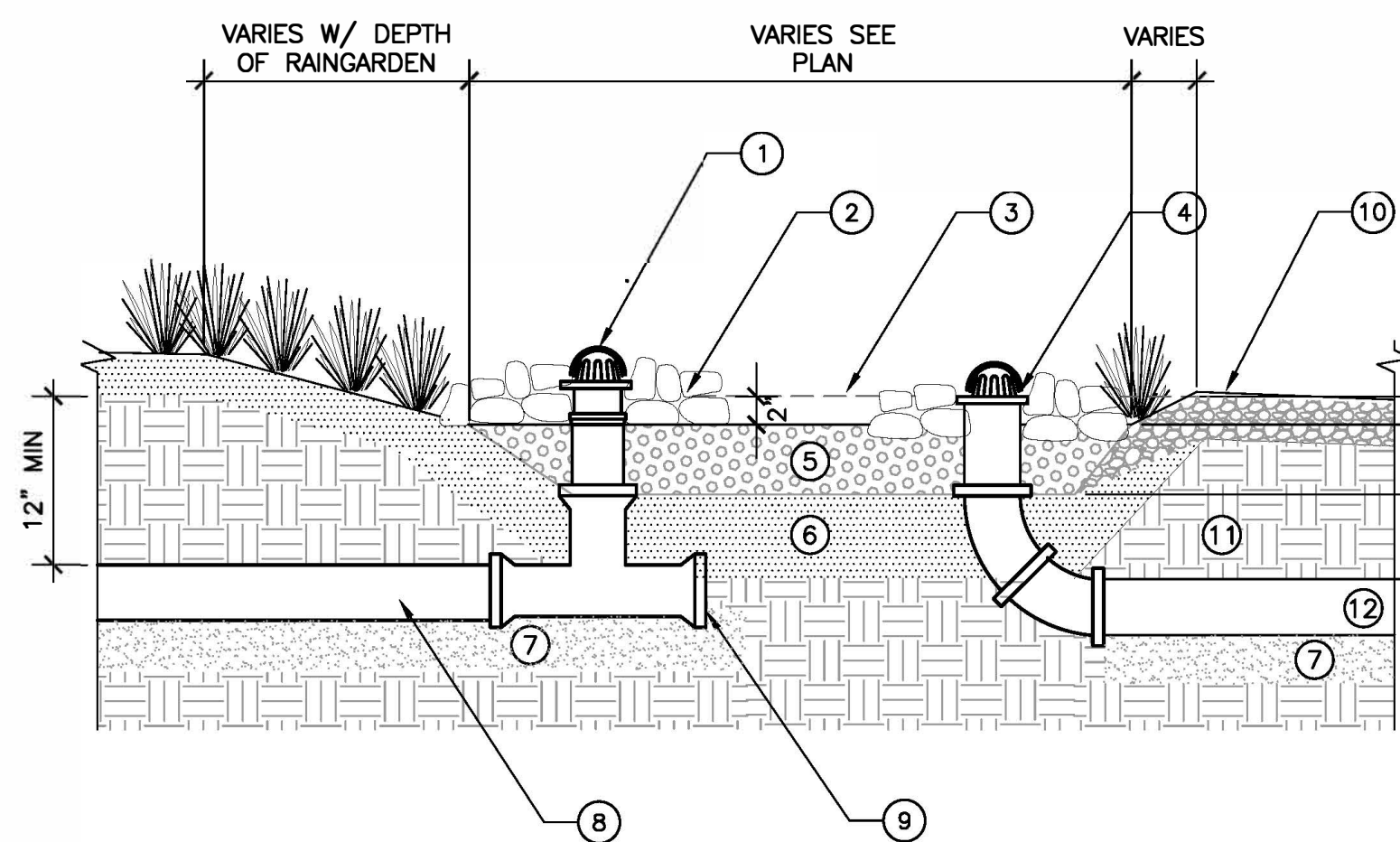
1 DOWNSPOUT SPLASHBLOCK TO OVERLAND FLOW
SCALE: 1/2"=1'-0"



2 DOWNSPOUT WITH PIPED OUTLET
SCALE: 1/2"=1'-0"

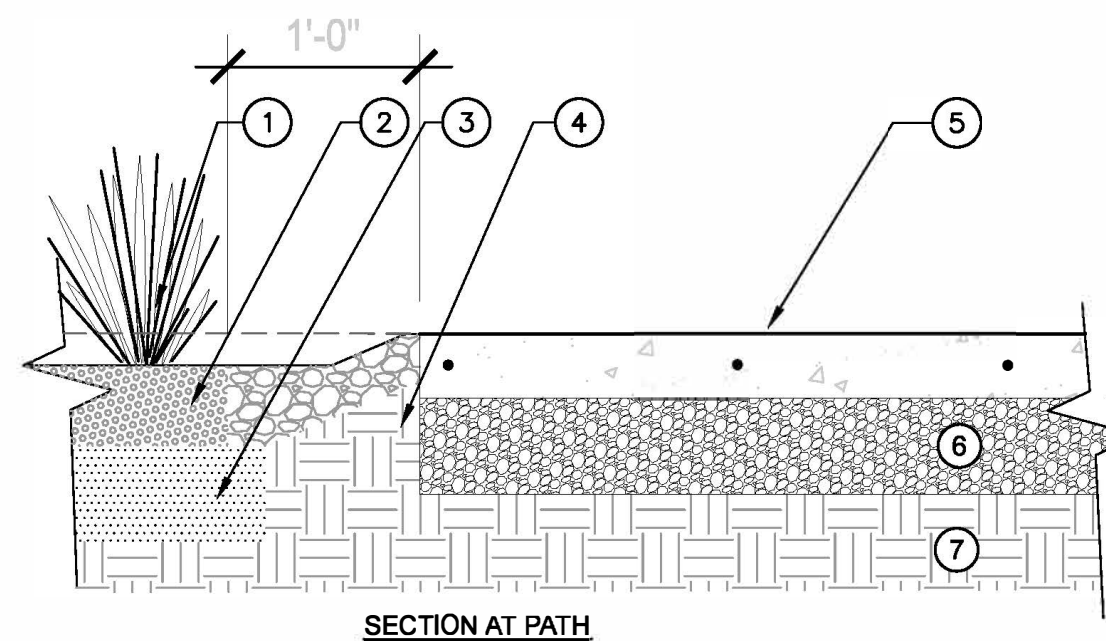


3 VEGETATED RAINGARDEN W/ OVERLAND FLOW INLET & OUTLET
SCALE: 1/2"=1'-0"



4 VEGETATED RAINGARDEN W/ PIPED INLET
SCALE: 1/2"=1'-0"

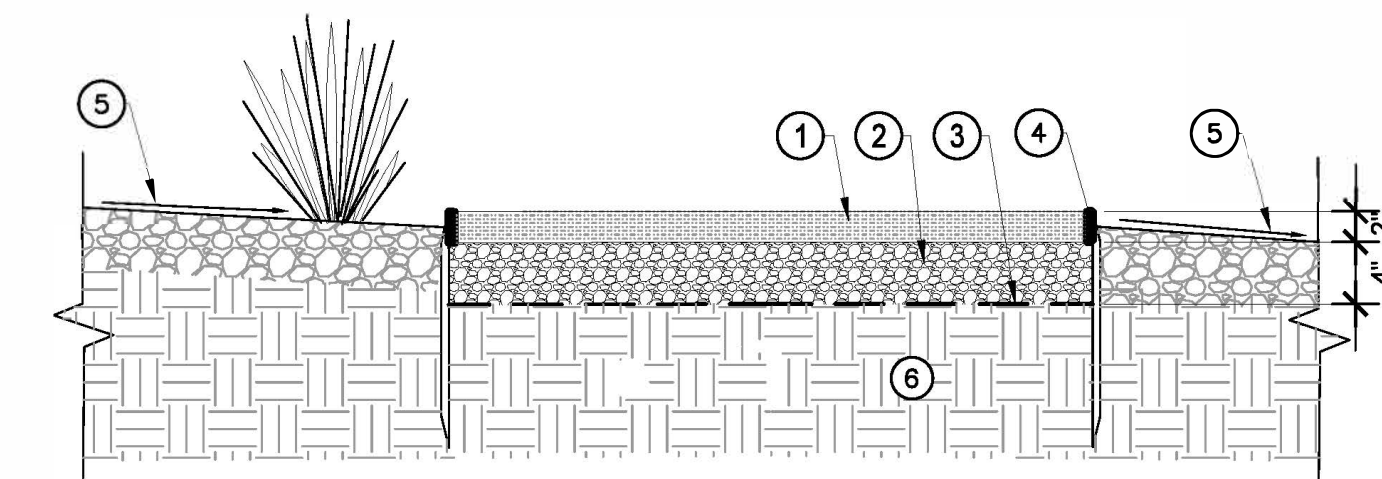
- 1 ATRIUM DRAIN GRATE ON OUTLET BUBBLER CONNECTED TO DOWNSPOUT; BY NDS OR EQUAL
 - 2 COBBLE AROUND OUTLET PIPE (TYP.)
 - 3 MAX WATER LEVEL 2" ABOVE PEA GRAVEL
 - 4 DRAIN INLET STRUCTURE AT TOP PONDING ELEVATION (2" ABOVE PEA GRAVEL). PIPE TO OUTLET.
 - 5 5" PEA GRAVEL MULCH INSURES NO PONDING WITHIN 72 HRS FOR MOSQUITO CONTROL.
 - 6 SCARIFY & AMEND NATIVE SOIL AT BOTTOM OF RAIN GARDEN
 - 7 6" SAND OR GRAVEL SETTING BED UNDER PIPE
 - 8 4" STORMDRAIN PIPE FROM ROOF DOWNSPOUT(S)
 - 9 END PLUG W/ (1) 3/4" WEEP HOLE 3/4" ABOVE PIPE INVERT, SET END OF PIPE IN 12"x12" GRAVEL TRENCH FOR DRAINAGE
 - 10 SECONDARY OVERFLOW SLIGHTLY HIGHER THAN PIPE INLET. COVER WITH 3" OF 1.5-6" RIVER COBBLE
 - 11 UNDISTURBED SUBGRADE
 - 12 OUTLET PIPE, OUTLET TO RAINWATER BASIN 6" MIN. DOWNSLOPE OR CONNECT TO EXISTING STORM DRAIN PIPE OR OUTLET AT CURB IF PRESENT.
- NOTES:
1. RAINWATER GARDEN DESIGNED FOR CLAY SOILS. MAX DEPTH 7" OF WHICH 5" HAS A PEA GRAVEL MULCH.
2. NO WOOD CHIP MULCH IN RAINWATER SYSTEMS TO AVOID CLOGGING STORM DRAINS. MAINTAIN GRAVEL MULCH THROUGHOUT SWALES AND RAINGARDENS TO SIDEWALK.



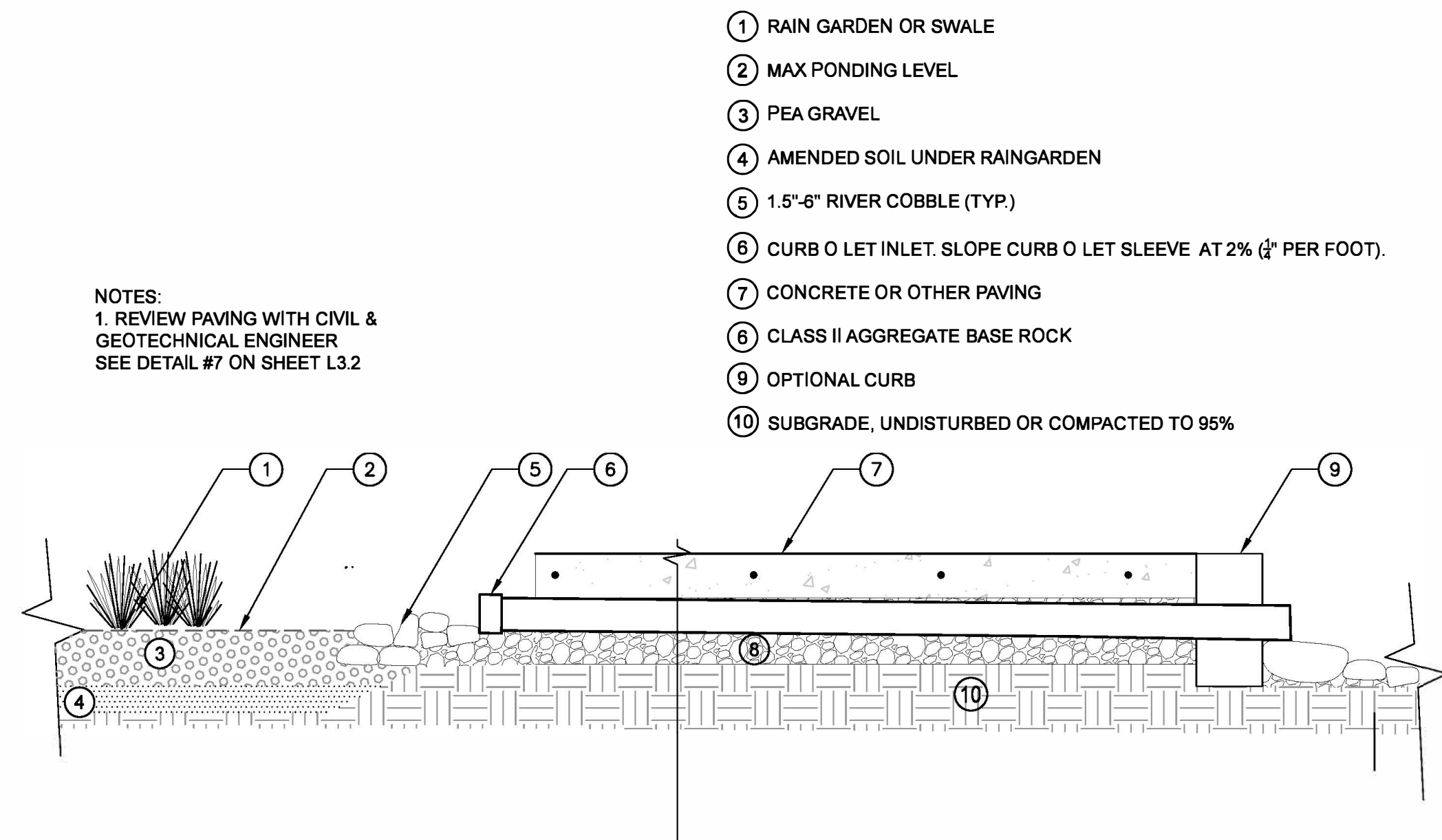
5 RAINGARDEN OVERFLOWING OVER PAVEMENT SECTION
SCALE: 1/2"=1'-0"

- 1 PLANTING IN RAIN GARDEN.
 - 2 5" PEA GRAVEL MULCH INSURES NO PONDING WITHIN 72 HRS FOR MOSQUITO CONTROL. TOTAL DEPTH INCLUDING PONDING IS 7".
 - 3 RIVER COBBLE: 1.5-6" IN SIZE. FILL TO PAVEMENT EDGE
 - 4 SCARIFY & AMEND NATIVE SOIL AT BOTTOM OF RAIN GARDEN.
 - 5 CONCRETE OR OTHER IMPERVIOUS WALKWAY
 - 6 CLASS II RECYCLED AGGREGATE BASE ROCK
 - 7 UNDISTURBED SUBGRADE.
- NOTES:
1. ENSURE NO MULCH OR SOIL WASHES ON TO PATH. USE RIVER COBBLE TO MAINTAIN CLEAN EDGE.
2. NO MULCH IN RAINWATER SYSTEMS TO AVOID CLOGGING STORM DRAINS.

- 1 PERMEABLE AGGREGATE PAVING: 2" THICK OF 3/8" OR SMALLER AGGREGATE (NO FINES)
 - 2 4" CLASS II PERMEABLE AGGREGATE BASE ROCK. COMPACT TO 95%.
 - 3 FILTER FABRIC
 - 4 EDGING AND STAKE (OPTIONAL)
 - 5 RAINWATER FLOWING WITHIN 4" OF 1.5-6" RIVER COBBLE FROM DOWNPOUT OR RAINGARDEN
 - 6 NATIVE SOIL. SCARIFY TOP 3" TO IMPROVE INFILTRATION UNDER COBBLE
- NOTE:
1. REVIEW DETAIL WITH GEOTECH. & CIVIL ENGINEER
2. SITE 10' AWAY FROM FOUNDATION.

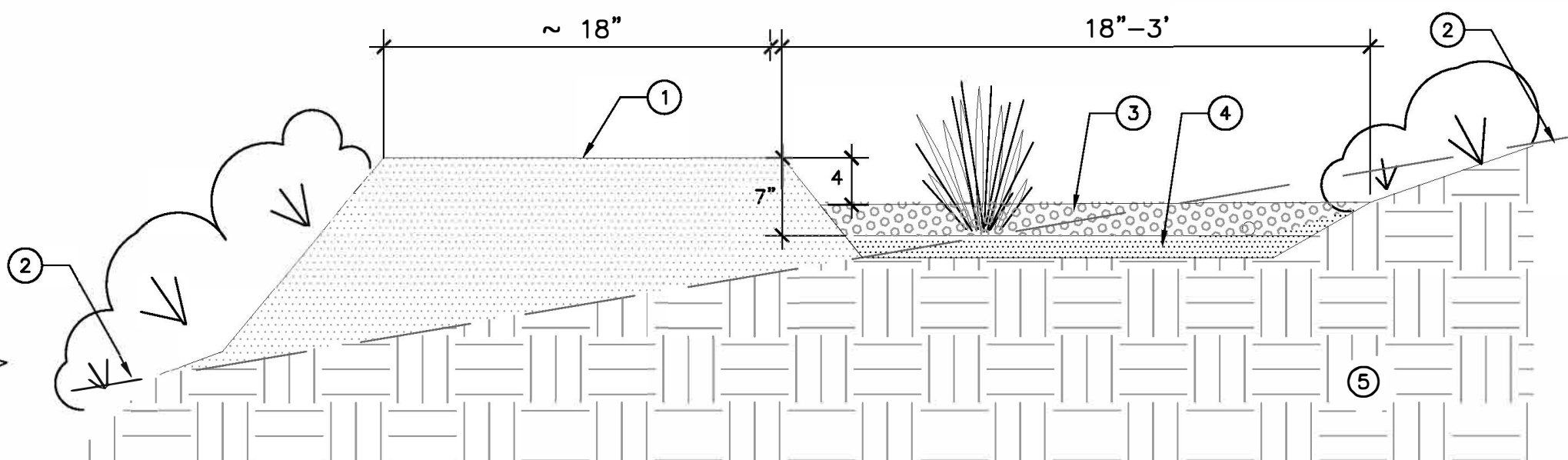


6 RAINWATER FLOW THRU PERMEABLE PAVING SECTION
SCALE: 1"=1'-0"

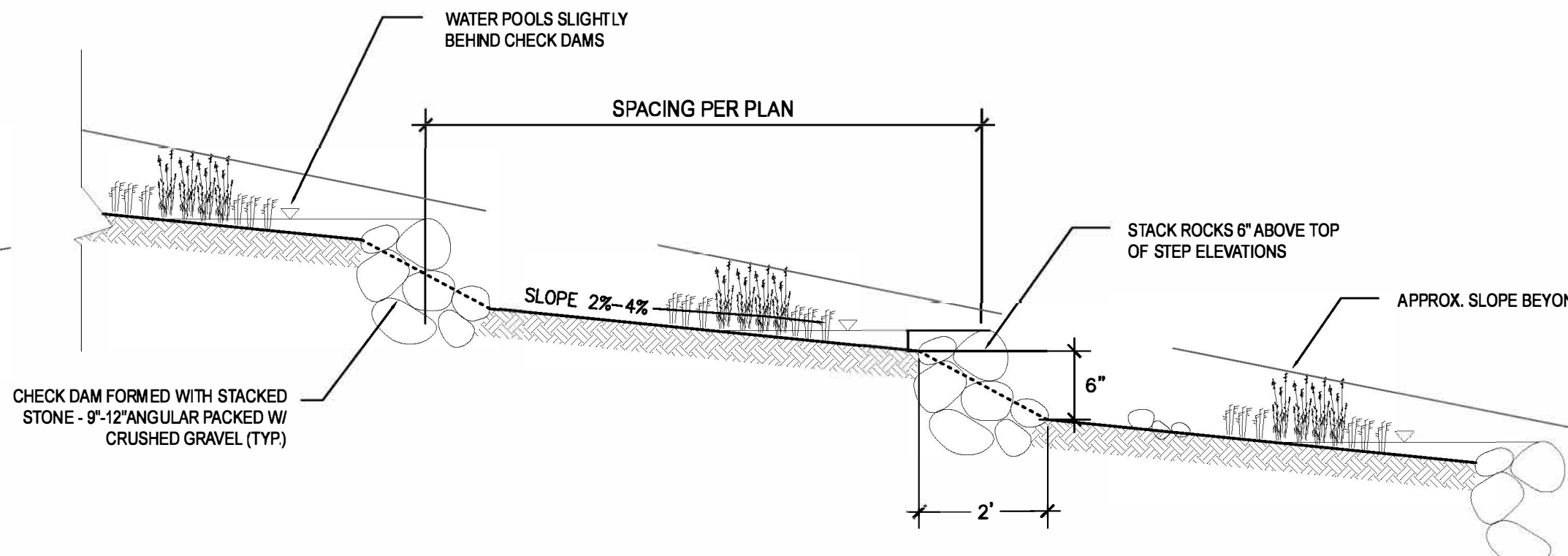


7 DRAIN SLEEVE THRU PATH FROM RAINGARDEN
SCALE: 1/2"=1'-0"

- 1 BERM; CONSTRUCT WHILE DIGGING BASIN. CAN BE MADE WIDER TO BE A WALKING PATH
 - 2 EXISTING SLOPE 8% OR LESS
 - 3 3" PEA GRAVEL MULCH INSURES NO PONDING WITHIN 72 HRS FOR MOSQUITO CONTROL. TOTAL DEPTH INCLUDING PONDING IS 7". SEE DETAIL 9 FOR ROCK CHECK DAMS
 - 4 SCARIFY & AMEND NATIVE SOIL AT BOTTOM OF RAIN GARDEN
 - 5 UNDISTURBED SUBGRADE
- NOTES:
1. MINIMUM SLOPE IN THE DIRECTION OF FLOW TO BE 0.5%. IF SLOPE EXCEEDS 2% STEP DOWN IN CASCADE PER DETAIL # 9 THIS PAGE.
2. NO WOOD CHIP OR BARK MULCH IN RAINWATER SYSTEMS TO AVOID CLOGGING STORM DRAINS.



8 SWALE/CASCADE ON SLOPE - SECTION
1/2"=1'-0"



9 SWALE/CASCADE ON SLOPE - LONGITUDINAL SECTION
1/2"=1'-0"

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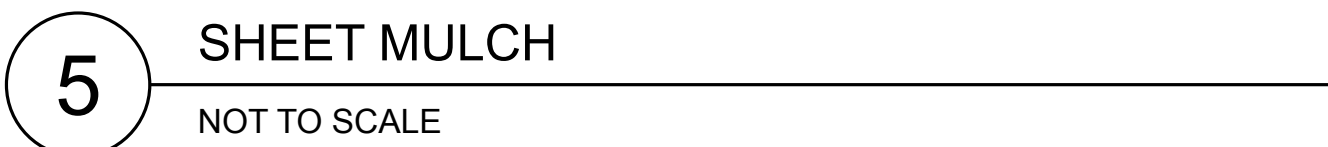
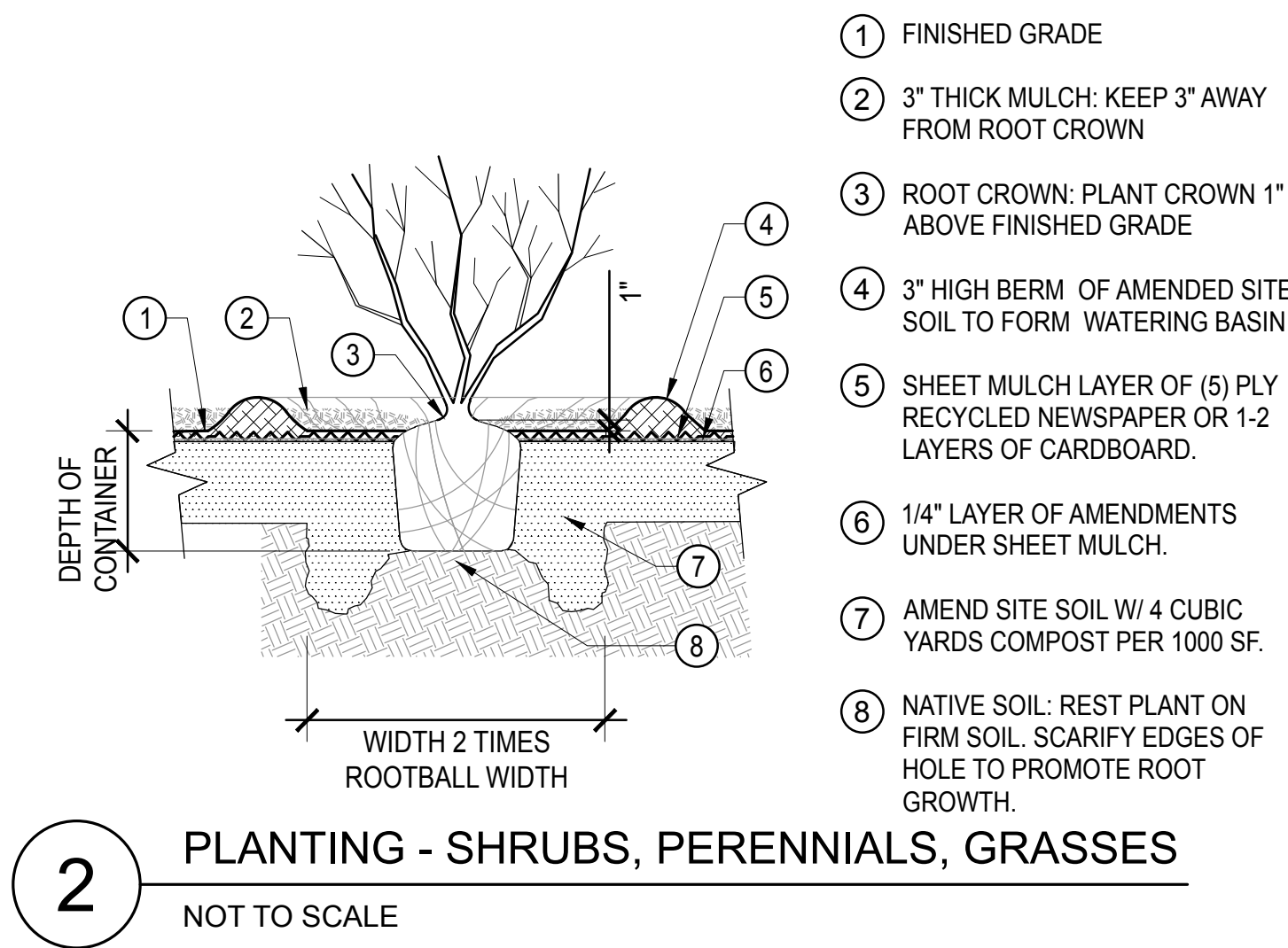
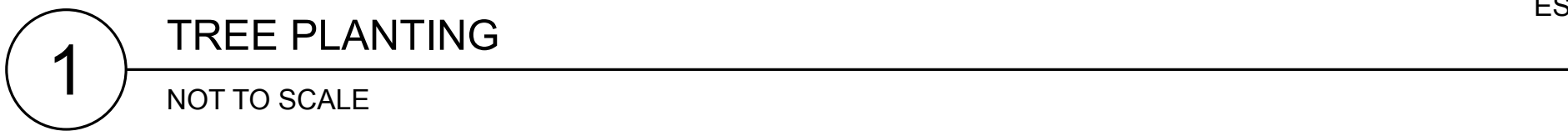


SHEET TITLE:
RAIN GARDENS
& SWALE
DETAILS

DATE
PERMIT PLAN
MAY 18, 2018

L-3.1

SHEET
OF



6 PLANT PIT AND WATERING BERM
NOT TO SCALE

LANDSCAPE TO LAUNDRY SYSTEM OVERVIEW:
A LAUNDRY-TO-LANDSCAPE GRAYWATER SYSTEM CAPTURES LIGHTLY USED WATER FROM THE DISCHARGE HOSE OF YOUR WASHING MACHINE AND PUMPS IT OUT TO THE LANDSCAPE THROUGH 1-INCH TUBING. THE SYSTEM DOES NOT ALTER THE EXISTING PLUMBING AND THEREFORE DOES NOT REQUIRE A PERMIT. A THREE-WAY DIVERTER VALVE IS A NECESSARY COMPONENT, ALLOWING YOU TO SEND DISCHARGE WATER BACK TO THE SEWER SYSTEM WHEN NEEDED OR DURING THE RAINY SEASON.

LAUNDRY TO LANDSCAPE GRAYWATER SYSTEMS ARE EASY TO INSTALL FOR THE DO-IT-YOURSELF OR A PROFESSIONAL, ESPECIALLY IF THE WASHING MACHINE IS LOCATED ON AN EXTERNAL WALL AND IS IN CLOSE PROXIMITY TO THE LANDSCAPE AREA BEING IRRIGATED. NOTE, THE WASHING MACHINE PUMP WILL PROVIDE SUFFICIENT PRESSURE THROUGH A 1-INCH IRRIGATION LINE FOR 100-FEET ON FLAT GROUND. IF THE SYSTEM IS DESIGNED TO IRRIGATE UPHILL FROM THE WASHING MACHINE, THE DISTANCE SHOULD BE REDUCED TO 30-50 FEET WITH NO MORE THAN A 5% SLOPE. IF THE SYSTEM IS DESIGNED TO IRRIGATE DOWNHILL FROM THE WASHING MACHINE, THE DISTANCE MAY INCREASE TO 150-FEET DEPENDING ON SLOPE.

- NOTIFY ENFORCING AGENCY
- BE ABLE TO REDIRECT TO SEWER
- NO POTABLE WATER CONNECTION
- CONTAIN GRAYWATER ON SITE
- DIRECT AND CONTAIN GRAYWATER WITHIN MULCH BASINS (IRRIGATION OR DISPOSAL FIELD) BELOW THE GROUND SURFACE
- NO PONDING OR RUNOFF
- OUTLETS COVERED BY AT LEAST 2-INCHES OF MULCH, ROCK, OR A SHIELD (E.G. VALVE BOX LID)
- MINIMIZE CONTACT WITH HUMANS AND ANIMALS
- DIVERT WATER TO THE SEWER IF IT CONTAINS DIAPERS, OIL, OTHER CHEMICALS
- GRAYWATER DIVERTED TO LANDSCAPE SHALL NOT CONTAIN HAZARDOUS CHEMICALS
- PERMIT EXEMPTION DOES NOT GRANT INSTALLATION THAT VIOLATES OTHER CODE OR LAWS
- POST OPERATION AND MAINTENANCE MANUAL

MINIMUM HORIZONTAL DISTANCE IN CLEAR REQUIRED FROM	SUBSURFACE AND SUBSOIL IRRIGATION FIELD AND MULCH BASIN (feet)
Building structures	2
Property line adjoining private property	1.5
Water supply wells	100
Streams and lakes	100
Sewage pits or cesspools	5
Sewage disposal field	4
Septic tank	5
On-site domestic water service line	0
Pressurized public water main	10

SHEET
OF



- NOTES:
1. A RAINWATER CATCHMENT SYSTEM MAY NOT REQUIRE A BUILDING PERMIT PROVIDED ALL OF THE FOLLOWING ARE MET (CALIFORNIA PLUMBING CODE 1601.3 (I)):
 - WATER WILL BE USED FOR OUTDOOR NON-SPRAY IRRIGATION
 - MAXIMUM STORAGE CAPACITY OF 5,000 GALLONS
 - TANK IS SUPPORTED DIRECTLY UPON GRADE
 - RATIO OF HEIGHT TO DIAMETER OR WIDTH DOES NOT EXCEED 2 TO 1
 - DOES NOT REQUIRE ELECTRICAL POWER OR MAKEUP WATER SUPPLY CONNECTION (SEE NOTE 2 AND 3)
 2. ALL OTHER RAINWATER CATCHMENT SYSTEMS MUST BE SUBMITTED FOR BUILDING PERMIT.
 3. PUMP AND PRESSURE TANK LIKELY REQUIRE INEXPENSIVE, OVER-THE-COUNTER, ELECTRICAL PERMIT.
 4. IF CITY WATER PLUMBED TO TANK FOR MAKE UP USING FLOAT VALVE OR MANUALLY OPERATED VALVE, THEN A PERMIT IS REQUIRED AND AN AIR GAP IS REQUIRED BETWEEN RAINWATER HARVESTING SYSTEM AND DOMESTIC WATER SYSTEM.
 5. TANKS CAN BE DAISY CHAINED AT POINT "D" USING FLEXIBLE PIPE ONLY TO REDUCE CHANCE OF LEAKAGE IN EARTHQUAKES.
 6. THERE ARE NO REQUIRED SETBACKS FROM BUILDINGS OR SIDE/BACK PROPERTY LINES, THOUGH A CONVERSATION WITH YOUR NEIGHBOR COULD BE HELPFUL.



ABLA

ANN BAKER LANDSCAPE ARCHITECTURE
625 2ND ST., STE 110
PETALUMA, CA 94952
TEL.: (707) 772-5062
EMAIL: landarches@gmail.com

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RAINWATER HARVESTING

DATE _____

PERMIT PLAN
MAY 18, 2018

RW-1.0

SHEET
OF