

# VILLAGE HOUSING

THE GROVE COMMUNITY CHURCH  
19900 GROVE COMMUNITY DR.  
RIVERSIDE, CA 92508



LANDSCAPE ARCHITECTURE

4649 Brockton Avenue

Riverside, CA 92506

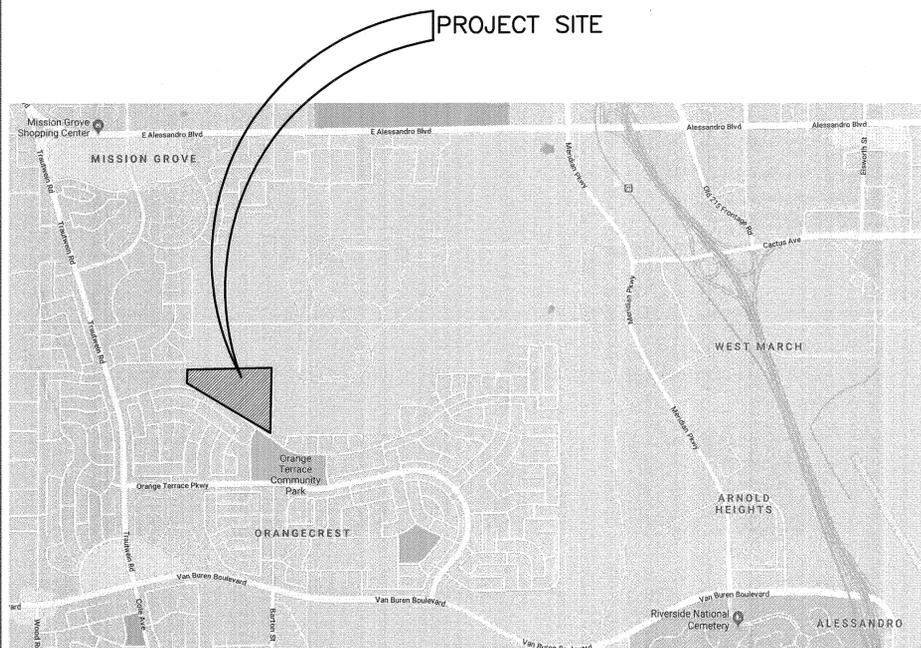
Phone: (951) 369-0700

Fax: (951) 369-4039

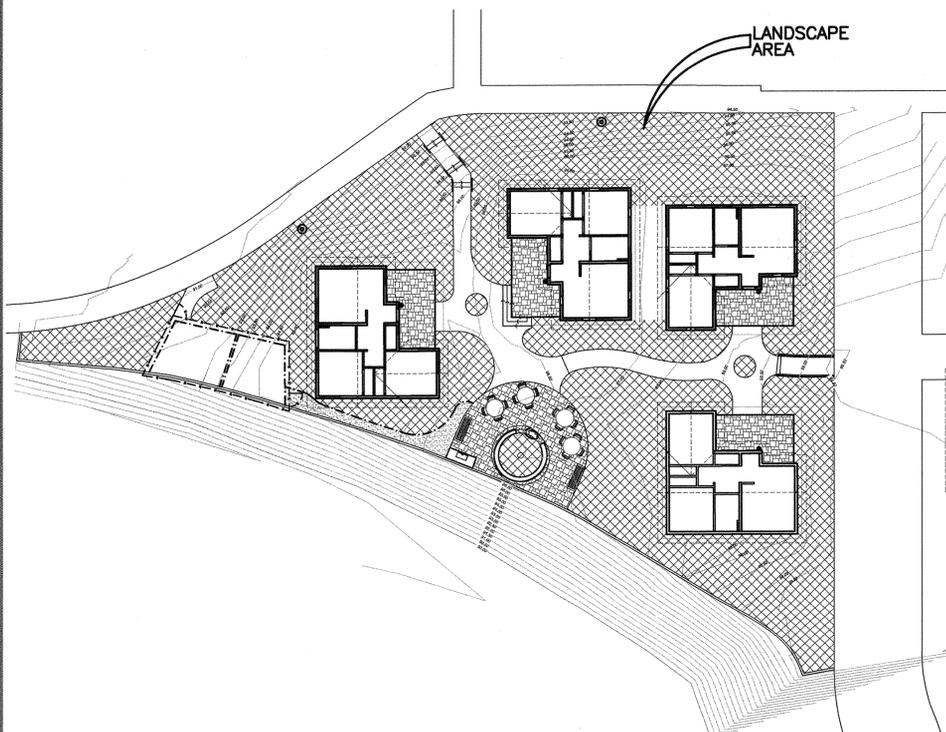
www.comworksdg.com

Contact: Tim Maloney

VICINITY MAP:



SITE PLAN:



TOTAL LANDSCAPE AREA: 6,675 S.F.



CONSULTANTS:

**ARCHITECT:**  
CHARLES BROWN ARCHITECT  
4049 ALMOND STREET, STE. 201  
RIVERSIDE, CA 92501  
951-683-6222

**ENGINEER:**  
EW-WEBB ENGINEERING, INC.  
1299 COLUMBIA AVENUE, STE. E7  
RIVERSIDE, CA 92507  
951-788-2050



SHEET INDEX:

- T-1 TITLE SHEET
- LG-1 GRADING PLAN
- LI-1 IRRIGATION PLAN
- LI-2 IRRIGATION DETAILS
- LP-1 PLANTING PLAN
- LP-2 PLANTING DETAILS

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN

TIMOTHY I. MALONEY 11/13/18

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CONTACT: \_\_\_\_\_

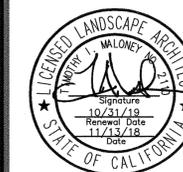
JOB NUMBER: 180742

DRAWN BY: DAL

CHECKED BY: TIM

DATE: 11/13/18

REVISIONS:



TITLE SHEET

T-1  
SHEET 1 OF 6



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### VILLAGE HOUSING

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### GRADING PLAN

SCALE: 1"=10'-0"



Know what's below.  
 Call before you dig.

### LG-1

SHEET 2 OF 6

### GRADING LEGEND:

SYMBOL	DESCRIPTION
	JOIN FLUSH TO EXISTING WITH EXPANSION JOINT
---	EXISTING GRADE CONTOUR
(50.00)	EXISTING ELEVATION
50.00	NEW ELEVATION
⊙	NEW 3" DIA. PVC ATRIUM DRAIN
---	NEW 4" PVC DRAIN LINE
→	DIRECTION OF FLOW
BS/TS	TOP OF STAIR/ BOTTOM OF STAIR
TG/IE	TOP OF GRATE/ INVERT ELEVATION
FS/FG	FINISH SURFACE/ FINISH GRADE
TW	TOP OF WALL
HP	HIGH POINT

NOTE: JOIN NEW PAVING FLUSH TO EXISTING PAVING WITH EXPANSION JOINT (WHERE OCCURS)

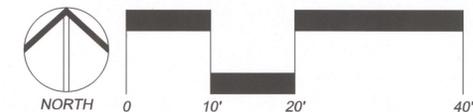
### CONSTRUCTION LEGEND:

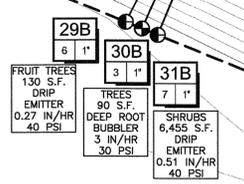
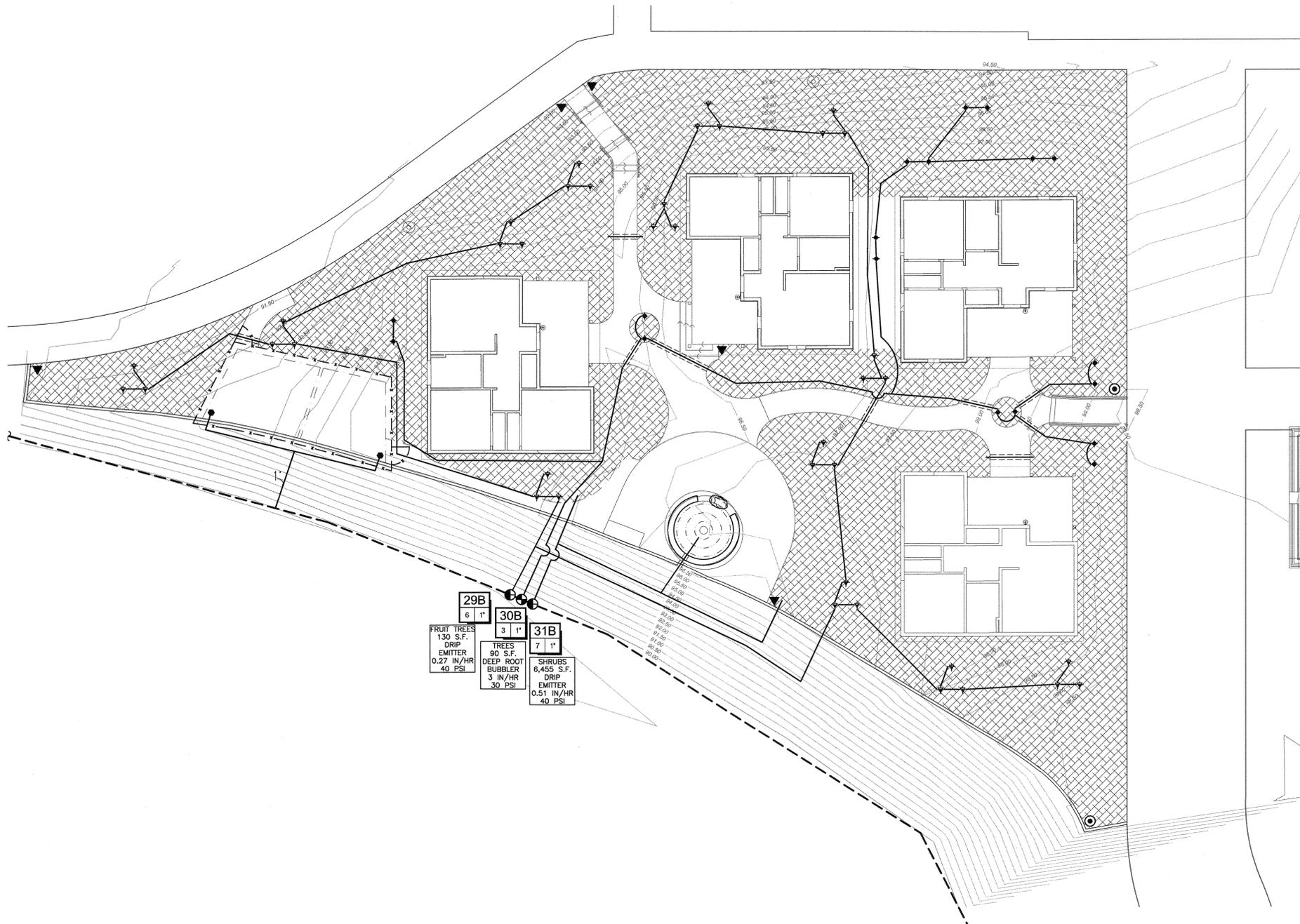
SYMBOL	DESCRIPTION
	HANDRAILS BY OWNER
[Pattern]	CONCRETE PAVERS BY OWNER
[Pattern]	DECOMPOSED GRANITE BY OWNER
	CONCRETE STEPS BY OWNER



- GARDEN AREA**
- SURROUND W/ TWO(2) 8X8 LANDSCAPE TIMBERS-- ADJUST ELEVATION--12" ELEV. CHANGE BETWEEN BEDS
  - SURROUND W/ 4' HIGH WIRE FENCE(BLACK) W/ 1" SQ. HOLES-- SECURE AT EXTERIOR OF 8X8 TIMBERS.
  - PROVIDE TWO(2) 3' WIDE GATES.

Nov 13, 2018 - 3:37pm Diego Lopez  
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### EQUIPMENT LEGEND

SYMBOL	MANUFACTURER/MODEL #	SIZE	DETAIL	NOTES
NOT SHOWN	EXISTING IRRIGATION WATER METER	2"	N/A	-
NOT SHOWN	EXISTING HYDROPOINT WEATHERTRAK ET BASED IRRIGATION CONTROLLER TO REMAIN, PROTECT IN PLACE (LOCATED NEAR BALLFIELD CONCESSION STAND)	48 STA.	N/A	(1,2)
●	HOSE BIB	3/4"	N/A	-
⊕	RAINBIRD PEB SERIES ELECTRIC CONTROL VALVE	1"	'A', LP-2	(3)
⊕	RAINBIRD XCZ-100-PRB-COM DRIP CONTROL ZONE ASSEMBLY	1"	'B', LP-2	(3)
---	EXISTING IRRIGATION MAINLINE TO REMAIN, PROTECT IN PLACE	4"	N/A	(1)
----	SCH. 40 PVC NON-PRESSURE LATERAL LINE - 12" MIN. COVER	3/4"	'C', LP-2	(5)
=====	SCH 40 PVC IRRIGATION PIPE / WIRE SLEEVE - 24" MIN. COVER	SEE CHART	'D', LP-2	-
NOT SHOWN	UF RATED CONTROL WIRE, 12 GA COMMON, 14 GA PILOT	12/14 GA	'E', LP-2	-
⊙	RAINBIRD ARV050 AIR/VACUUM RELIEF VALVE	1/2"	'F', LP-2	-
▼	DRIFLINE FLUSH VALVE	LINE SIZE	'G', LP-2	-
⊕	RAINBIRD XF SERIES DRIP TUBING WITH PRESSURE COMPENSATING EMITTERS	N/A	'H'-J', LI-2	(4)
---	RAINBIRD XFD-06-12 DRIFLINE	N/A	'H'-J', LI-2	-

(1) CONTRACTOR TO LOCATE EXISTING EQUIPMENT IN THE FIELD PRIOR TO THE START OF CONSTRUCTION  
 (2) CONTRACTOR TO ENSURE THAT EXISTING IRRIGATION SYSTEM IS FUNCTIONING PROPERLY AND COMMUNICATING WITH CONTROLLER PRIOR TO COMPLETION OF CONSTRUCTION  
 (3) CONTRACTOR TO WIRE NEW VALVES TO EXISTING CONTROLLER AT FIRST AVAILABLE STATION  
 (4) EACH SHRUB TO RECEIVE (2) RAINBIRD XB-20PC DRIP EMITTERS. INSTALL EMITTERS ON OPPOSITE SIDES OF THE ROOTBALL  
 (5) LATERAL LINE SIZE TO BE 3/4" UNLESS OTHERWISE NOTED

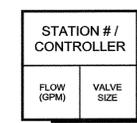
### SPRINKLER LEGEND

SYMBOL	MANUFACTURER/MODEL #	NOZZLE	RAD.	PSI	FLOW (GPM)					PRECIP RATE	DETAIL	NOTES
					Q	T	H	TT	F			
+	RAINBIRD PC-10-1032 EMITTER	F		30					10.0	5	'K', L-2	(1)
+	RAINBIRD RWS-1401-B-C	F		30					0.25	3	'L', L-2	

(1) FLOW IS IN GALLONS PER HOUR

### SCH 40 PVC SLEEVING CHART

1 1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
2 1/2" SLEEVE	21-30 WIRES	1 1/4" PIPE
3" SLEEVE	31-40 WIRES	1 1/2" PIPE
4" SLEEVE	41-60 WIRES	2" PIPE
6" SLEEVE	61-99 WIRES	2 1/2"-3" PIPE
8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE



### IRRIGATION CONTROLLER SCHEDULE DURING SIX MONTH PLANT ESTABLISHMENT PERIOD

Station	Ap.Rt. "/Hour	Min./Wk. Ap.Rt.x60 Per Wk.	Irr.Days Per Wk.	Plant Factor	Base Run Time Weekly	Month Eto	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	0.51	117.65	3	0.4	15.69	Run Time	0.62	0.73	1.04	1.32	1.49	1.64	1.81	1.73	1.34	1.01	0.74	0.64
2	3	20.00	3	0.4	2.67	Run Time	2	2	3	4	5	5	6	6	4	3	2	2
3	0.27	222.22	3	0.5	37.04	Run Time	28	32	46	59	66	73	80	77	60	45	33	28

### IRRIGATION CONTROLLER SCHEDULE AFTER SIX MONTH PLANT ESTABLISHMENT PERIOD

Station	Ap.Rt. "/Hour	Min./Wk. Ap.Rt.x60 Per Wk.	Irr.Days Per Wk.	Plant Factor	Base Run Time Weekly	Month Eto	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	0.51	117.65	3	0.4	15.69	Run Time	10	11	16	21	23	26	28	27	21	16	12	10
2	3	20.00	3	0.4	2.67	Run Time	2	2	3	4	4	4	5	5	4	3	2	2
3	0.27	222.22	3	0.5	37.04	Run Time	23	27	39	49	55	61	67	64	50	37	27	24

#### IRRIGATION NOTES:

- GENERAL - ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND THESE PLANS. THE CONTRACTOR SHALL APPLY FOR ALL PERMITS AND PAY FOR SAME.
  - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AT THE SITE PRIOR TO COMMENCEMENT OF ANY WORK UNDER THIS CONTRACT.
  - THE CONTRACTOR SHALL CARRY ALL WORKERS COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE, AS REQUIRED BY THE OWNER.
- SCOPE OF WORK - UNLESS OTHERWISE SPECIFIED, THE CONSTRUCTION OF IRRIGATION SYSTEMS SHALL INCLUDE THE FURNISHING, INSTALLATION AND TESTING OF ALL LATERAL LINES, RISERS, AND FITTINGS; AND THE FURNISHING AND INSTALLATION OF SPRINKLER HEADS, ELECTRIC CONTROL VALVES, EXCAVATION AND BACKFILL, AND ALL OTHER WORK IN ACCORDANCE WITH THESE PLANS, DETAILS, AND NOTES. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT PROPERTY, TRANSPORTATION, AND PERFORM ALL OPERATIONS REQUIRED FOR A COMPLETE AND OPERABLE IRRIGATION SYSTEM AS INDICATED ON, OR REASONABLY IMPLIED, BY THE DRAWINGS, DETAILS, AND NOTES. INCLUDED AS A PART OF THE IRRIGATION WORK, BUT NOT LIMITED BY IT, ARE THE FOLLOWING:
  - INSTALL COMPLETE OPERABLE INDEPENDENT IRRIGATION SYSTEMS PER THE PLANS, DETAILS, NOTES, AND LEGENDS.
  - ALL IRRIGATION WORK SHALL BE GUARANTEED BY THE CONTRACTOR AS TO MATERIAL AND WORKMANSHIP, INCLUDING SETTLING OF BACKFILLED TRENCHES BELOW GRADE, FOR A PERIOD OF ONE (1) YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE OF THE WORK.
- THE LANDSCAPE ARCHITECT SHALL DECIDE ALL QUESTIONS RELATING TO THE INTERPRETATION OF THE DRAWINGS AND THE ACCEPTABLE FULFILLMENT OF THE CONTRACT.
- PIPING AND VALVES SHOWN ON THE PLANS ARE DIAGRAMMATIC. CONTRACTOR SHALL ROUTE PIPING TO AVOID CONFLICT WITH STATIONARY ELEMENTS AND IN SUCH A MANNER AS TO CONFORM WITH THE VARIOUS DETAILS AND DESIGN INTENT OF THESE PLANS.
- THE CONTRACTOR SHALL AT ALL TIMES PROTECT HIS WORK FROM DAMAGE AND THEFT AND REPLACE ALL DAMAGED OR STOLEN PARTS AT HIS EXPENSE UNTIL THE WORK IS ACCEPTED IN WRITING BY THE OWNER.
- EXTREME CARE SHALL BE EXERCISED IN EXCAVATING AND WORKING NEAR EXISTING UTILITIES. CONTRACTOR SHALL VERIFY THE LOCATION AND CONDITION OF ALL UTILITIES AND BE RESPONSIBLE FOR ANY DAMAGE.
- THE CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIALS, AND RUBBISH INCIDENTAL TO HIS WORK.
- IRRIGATION DESIGN IS BASED ON 70 PSI AVAILABLE WATER PRESSURE AT 6 GPM. CONTRACTOR SHALL VERIFY PRESSURE PRIOR TO CONSTRUCTION; SHOULD A DISCREPANCY EXIST, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO START OF WORK.
- CONTRACTOR SHALL MAKE POINT OF CONNECTION AS NOTED ON THE PLANS.
- ALL WIRES SHALL BE SOLID COPPER, PLASTIC INSULATED, U.F. DIRECT BURIAL WIRE. ALL COMMON WIRE SHALL BE AWG #12 WHITE; ALL CONTROL WIRE SHALL BE AWG #14 RED OR BLACK. CONTROLLERS SHALL HAVE SEPARATE COLOR CODED COMMON WIRES WHEN TWO OR MORE CONTROLLERS ARE ON PROJECT.
- ALL CONTROL WIRES AND IRRIGATION PIPE LINES THAT RUN UNDER PAVING SHALL BE ENCASED IN SCH 40 PVC PIPE SLEEVES. SLEEVES SHALL BE SIZED ACCORDING TO THE CHART ON THE PLANS.
- FINAL LOCATION OF CONTROL VALVES SHALL BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT OR THE OWNER'S AUTHORIZED REPRESENTATIVE.
- CONTRACTOR SHALL HEAT BRAND VALVE NUMBERS ON OUTSIDE OF ALL VALVE BOX LIDS.
- ALL PVC THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.
- ALL PVC SOLVENT-WELD CONNECTIONS SHALL BE MADE WITH SOLVENT-WELD MATERIALS AS RECOMMENDED BY THE PIPE MANUFACTURER. SOLVENT-WELD PRIMER SHALL BE APPLIED AT ALL CONNECTIONS.
- LOW HEAD DRAINAGE WILL NOT BE ALLOWED. CONTRACTOR TO DETERMINE IN THE FIELD WHICH HEADS DRAIN AFTER THE VALVE IS SHUT OFF. CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL IN LINE CHECK VALVES AS NEEDED AT NO ADDITIONAL COST TO THE OWNER.
- ALL PRESSURE SUPPLY LINES AND CONTROL WIRES TO HAVE 18"-24" MINIMUM COVER (PER DETAIL). LATERAL LINES TO HAVE 12" MINIMUM COVER.
- UPON COMPLETION OF THE PROJECT, THE CONTRACTOR IS TO TURN OVER TO THE OWNER THE FOLLOWING:
  - A REPRODUCIBLE SET OF "AS-BUILT" DRAWINGS AND CONTROLLER CHART.
  - 2 KEYS FOR EACH CONTROLLER AND CONTROLLER ENCLOSURE (AS APPLICABLE).
  - 2 QUICK COUPLER KEYS AND MATCHING HOSE SWIVELS.
  - 4 OF EACH SPRINKLER HEAD SPECIFIED.
- AS-BUILT DRAWINGS - THE CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE "AS-BUILT" RECORD SET OF PRINTS WHICH SHALL BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS. PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL TRANSCRIBE ALL INFORMATION FROM THE "AS-BUILT" SET TO A REPRODUCIBLE MYLAR, PROCURED FROM THE OWNER. ALL WORK SHALL BE NEAT AND LEGIBLE. LOCATING THE FOLLOWING ITEMS FROM PERMANENT POINTS OF REFERENCE: SHUT-OFF VALVES, MAINLINE AND CONTROL WIRE ROUTING; POC, BACKFLOW DEVICE, CONTROL VALVES, CONTROLLER, QUICK COUPLERS, AND OTHER PERTINENT UNDERGROUND ITEMS.
- CONTROLLER CHART - UPON APPROVAL OF THE FINAL "AS-BUILT" DRAWINGS, PROVIDE ONE CHART FOR EACH CONTROLLER INSTALLED AS FOLLOWS:
  - THE CHART IS TO BE A REDUCED COPY OF THE APPROVED "AS-BUILT" SYSTEM (A BLACK-LINE PRINT REDUCED TO THE MAXIMUM SIZE THE CONTROLLER DOOR WILL ALLOW, COLORED WITH A DIFFERENT COLOR FOR EACH VALVE STATION).
  - WHEN COMPLETED AND APPROVED, THE CHART SHALL BE HERMETICALLY SEALED BETWEEN TWO (2) PIECES OF 20 MIL CLEAR PLASTIC AND MOUNTED ON THE INSIDE OF THE CONTROLLER DOOR USING VELCRO TAPE OR EQUAL.

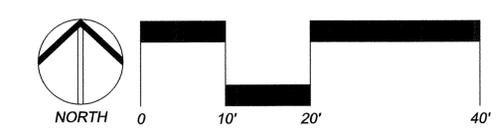
### California Water Efficient Landscape Worksheet

Reference Evapotranspiration (E <sub>t</sub> )	56.33	Project Type	Non-Residential	0.45		
Hydrozone # / Planting Description	Plant Factor (PF)	Irrigation Method	ETAF (PF/IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)
<b>Regular Landscape Areas</b>						
Shrubs	0.3	Drip	0.81	0.37	6,455	2391
Trees	0.4	Drip	0.81	0.49	90	44
Fruit Trees	0.5	Drip	0.81	0.62	130	80
					Totals	6,675
					ETWU Total	87,850
					ETWU Total	87,850
					Maximum Allowed Water Allowance (MAWA)	104,905

### ETAF Calculations

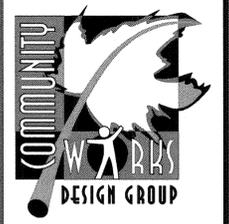
Regular Landscape Areas	
Total ETAF x Area	2515
Total Area	6675
Average ETAF	0.38

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



Nov 13, 2018 3:40pm Diego Lopez F:\Grove Village - Transitional Housing\CD's Irrigation.dwg

## General Irrigation Notes



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 DATE: 11/13/18

REVISIONS:



## IRRIGATION PLAN

SCALE: 1"=10'-0"



LI-1  
 SHEET 3 OF 6

REVISIONS:

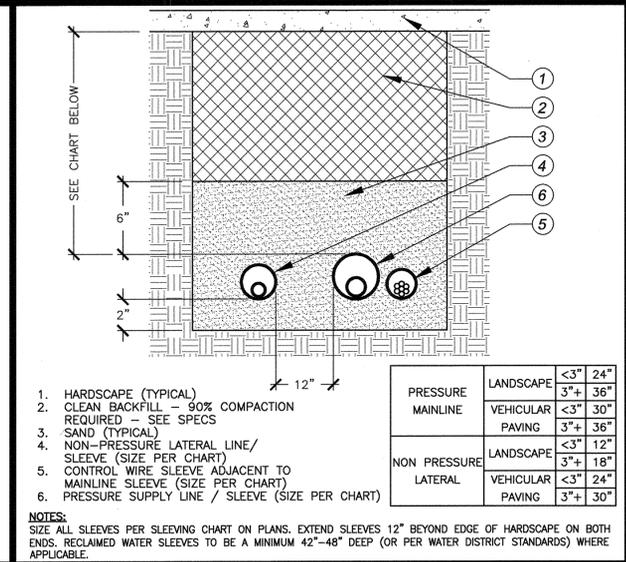



IRRIGATION DETAILS

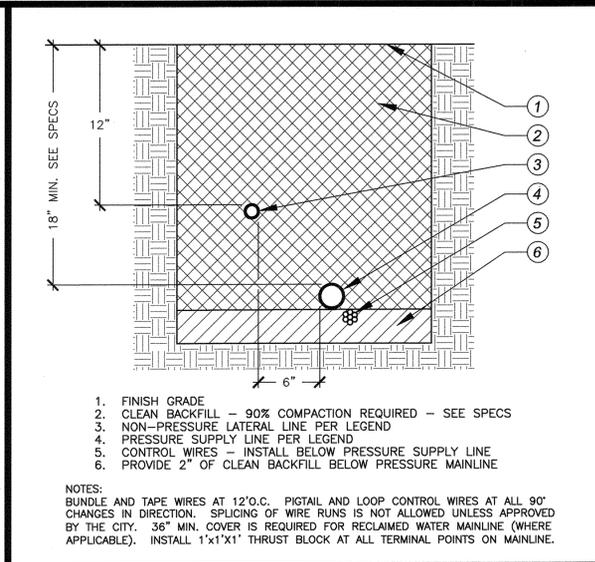
SCALE: AS NOTED



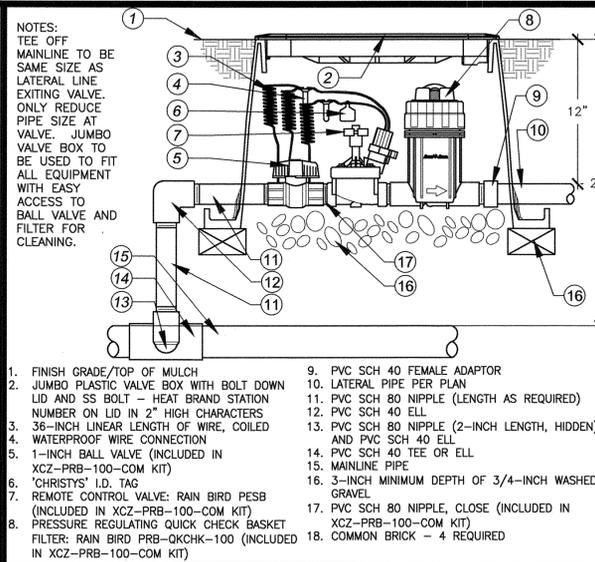
LI-2



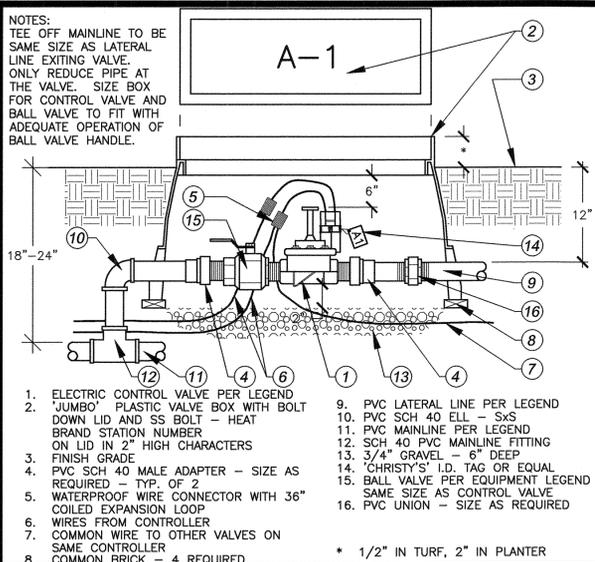
**D | Sleeving**



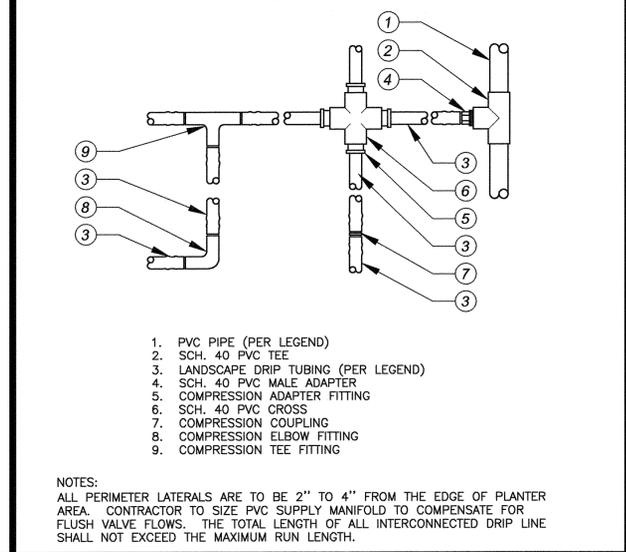
**C | Trenching**



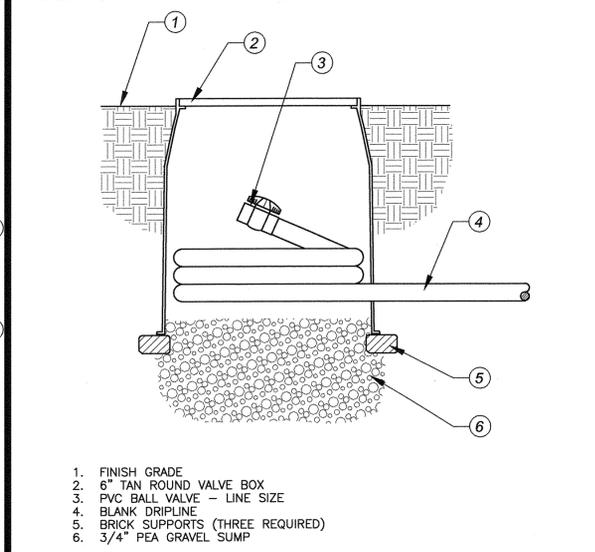
**B | Drip Control Valve Assembly**



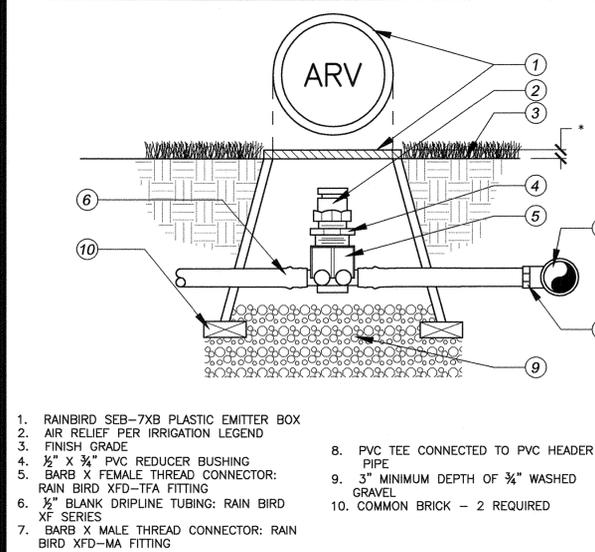
**A | Remote Control Valve**



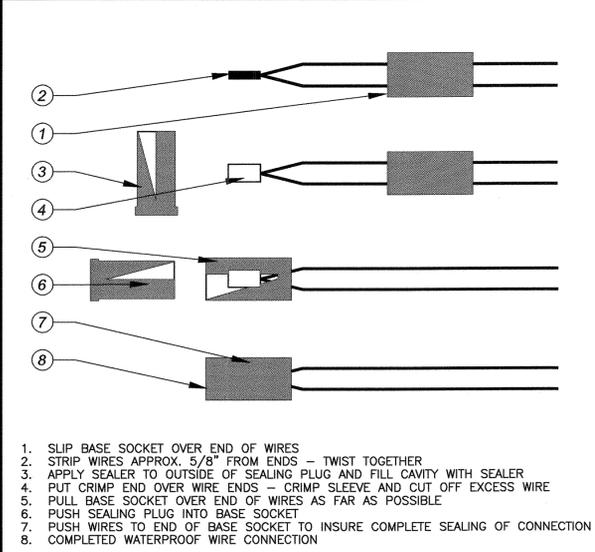
**H | Dripline Fittings**



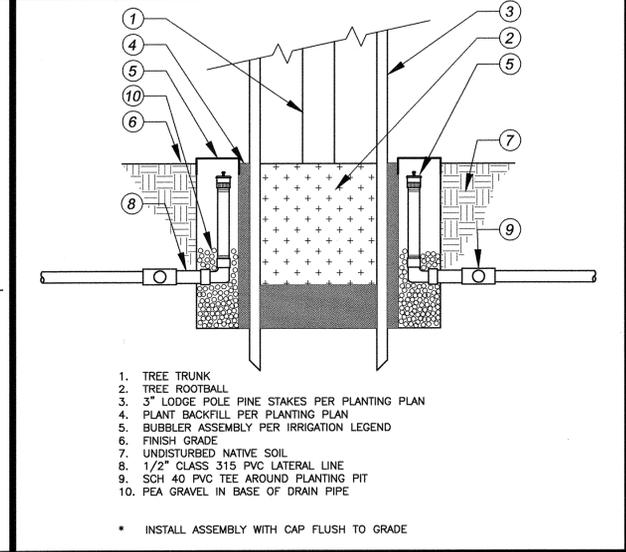
**G | Dripline Flush Valve**



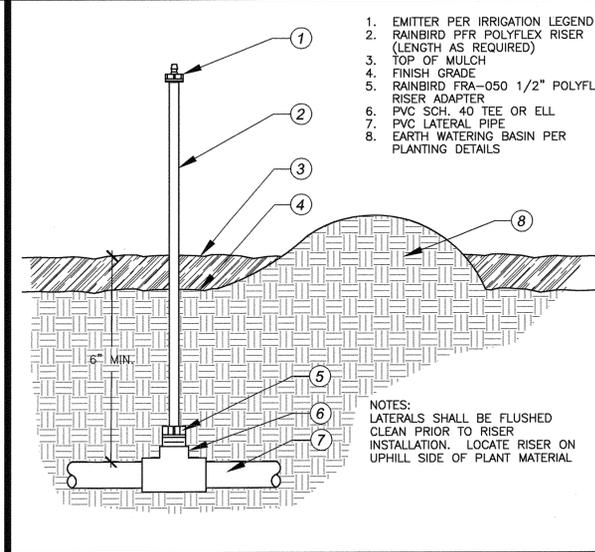
**F | Air Relief Valve**



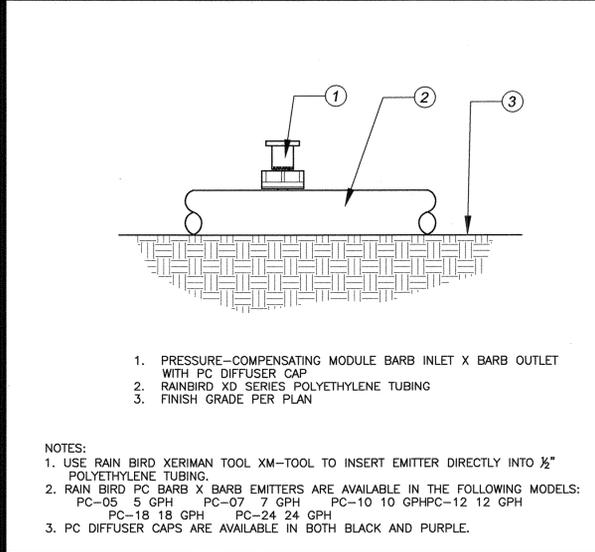
**E | Wire Connections**



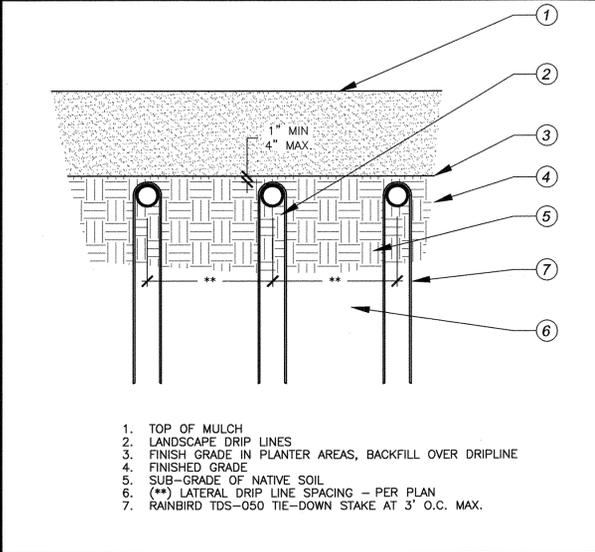
**L | Tree Bubbler Heads**



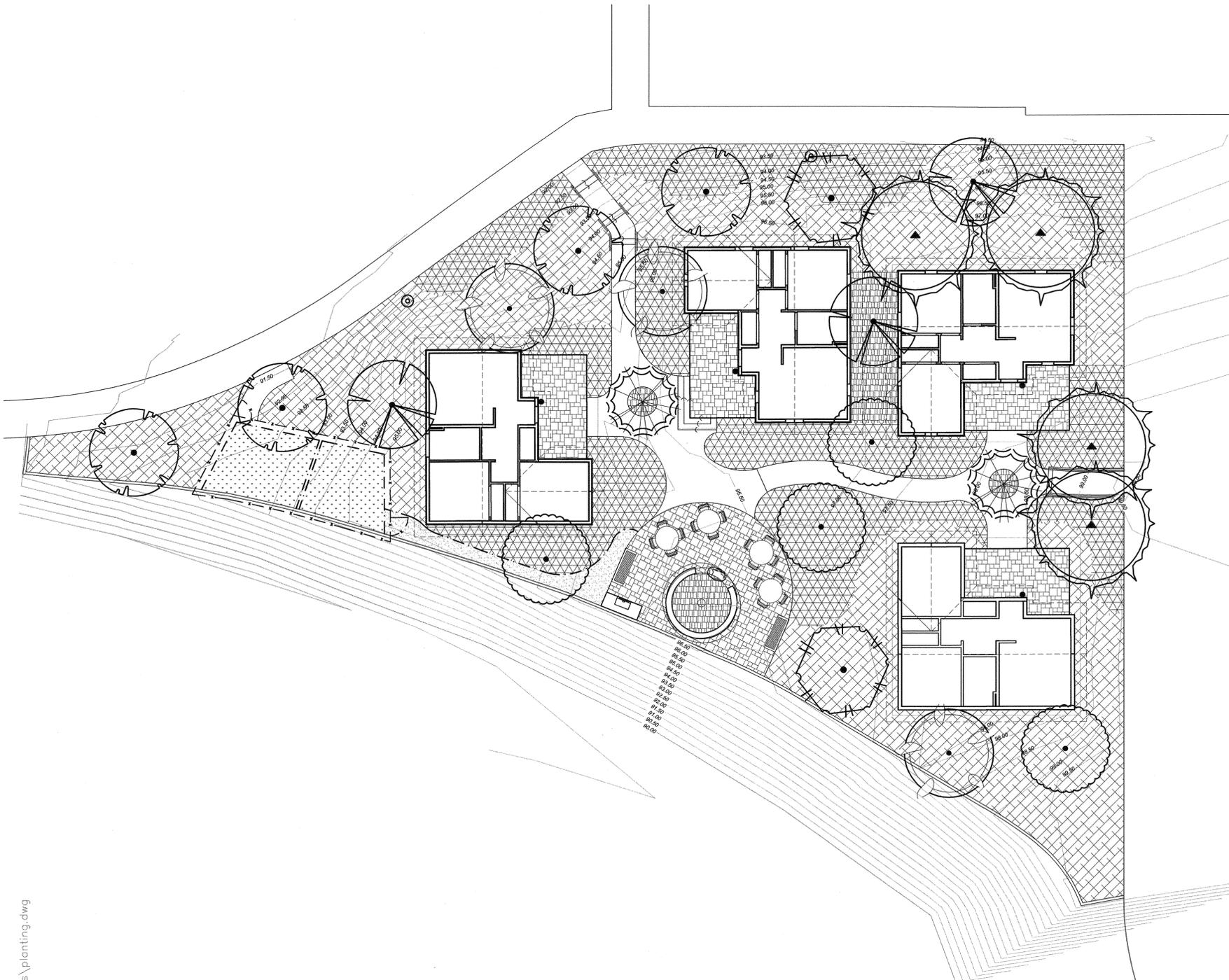
**K | Drip Emitter on Poly Flex Riser**



**J | PC Drip Emitter**



**I | Dripline Burial**



**PLANTING LEGEND:**

BOTANIC NAME	COMMON NAME	SIZE / SPACING	WUCOLS	DETAIL
CERCIDIUM FLORIDUM 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	24" BOX	LOW	'A' & 'B', LP-2
CERCIS CANADENSIS 'FOREST PANSY'	EASTERN REDBUD	24" BOX	MOD.	'A' & 'B', LP-2
TRISTANIA CONFERTA	BRISBANE BOX	15 GAL	MOD.	'A' & 'B', LP-2
CITRUS RETICULATA	ORANGE	15 GAL	LOW	'A' & 'B', LP-2
PERSEA AMERICANA 'HASS' & 'FUERTE'	AVOCADO	15 GAL	MOD.	'A' & 'B', LP-2
PRUNUS DOMESTICA	PLUM	15 GAL	MOD.	'A' & 'B', LP-2
PRUNUS PERSICA	PEACH	15 GAL	MOD.	'A' & 'B', LP-2
EXISTING TREE TO REMAIN, PROTECT IN PLACE				

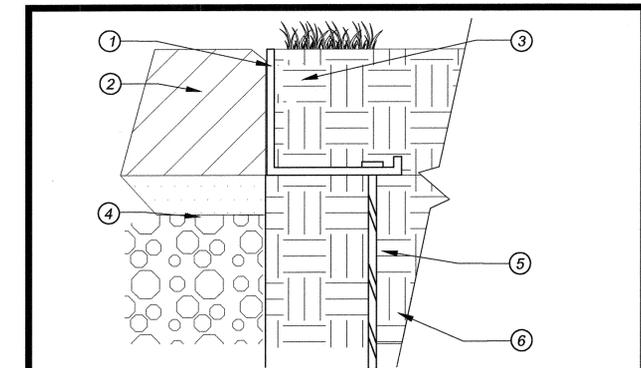


**GROUNDCOVERS**

	LANTANA 'NEW GOLD'	NEW GOLD LANTANA	1 GAL @ 10' O.C.	LOW	'D'-'F', LP-2
	ROSA 'CARPET RED'	RED CARPET ROSE	1 GAL @ 10' O.C.	MOD.	'D'-'F', LP-2
	GARDEN				
	CONCRETE PAVERS OVER 3" AGGREGATE BASE & SAND BED WITH ALUMINUM HEADER EDGE. SEE DETAIL 'A', THIS SHEET				
	2" MINIMUM DEPTH SHREDDED WOOD MULCH				

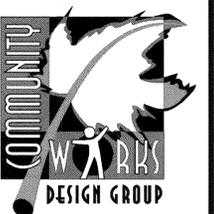
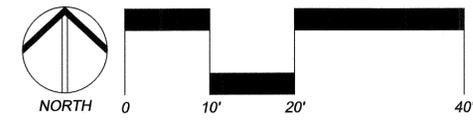
**NOTES:**

- ALL TREES WITHIN 6' OF HARDSCAPE TO RECEIVE ROOTBARRIER SEE DETAIL 'C', SHEET LP-2
- ALL PLANTER AREAS TO RECEIVE A 2" MINIMUM DEPTH LAYER OF SHREDDED WOOD BARK MULCH
- PLANT WATER USE VALUES ARE PER WUCOLS IV PLANT LIST



1. 1 5/8" x 1 5/8" ALUMINUM STRUCTURED PERMALOC RESTRAINT. REFER TO MANUFACTURER'S CURRENT INSTALLATION GUIDELINES. CONNECT ADJACENT SECTIONS USING 4" (102MM) SLIDING CONNECTOR, MAINTAINING A 3/8" EXPANSION GAP BETWEEN SECTIONS. MANUFACTURED BY: PERMALOC 800-356-9660.
2. CONCRETE PAVERS PER PLAN
3. COMPACT GRADE ADJACENT TO ALUMINUM RESTRAINT
4. 3" LAYER OF 3/4" AGGREGATE BASE AND 1" PLASTER SAND LEVELING COURSE @ 90% RELATIVE COMPACTION
5. 3/8" BY 10" SPIRAL STEEL SPIKE AT 12" O.C. MINIMUM AND AT EVERY JOINT PER MANUFACTURERS SPECIFICATIONS.
6. 95% COMPACTED SUBGRADE

**A Concrete Paver Restraint** 3"=1'-0"



LANDSCAPE ARCHITECTURE  
 4649 Brockton Ave.  
 Riverside, CA 92506  
 Phone: (951) 369-0700  
 Fax: (951) 369-4039  
 www.comworksdg.com

**VILLAGE HOUSING**

GROVE COMMUNITY CHURCH  
 19900 GROVE COMMUNITY DR.  
 RIVERSIDE, CA 92508

JOB NUMBER: 180742  
 DRAWN BY: KCK  
 CHECKED BY: TIM  
 DATE: 11/13/18

REVISIONS:

NO.	DESCRIPTION



**PLANTING PLAN**

SCALE: 1"=10'-0"



**LP-1**



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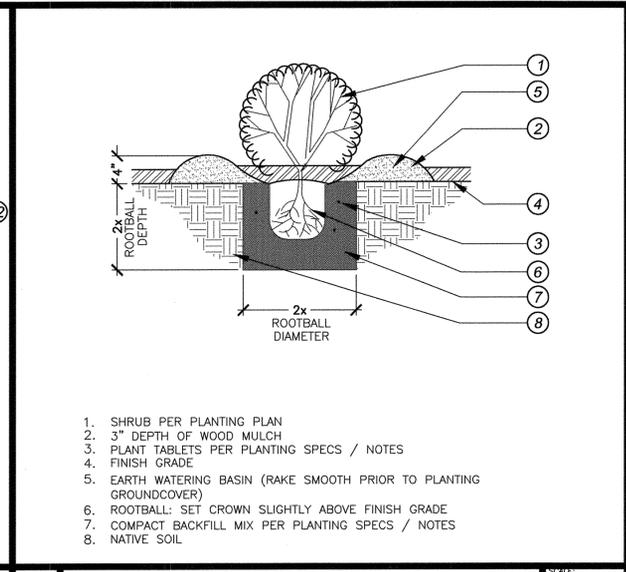
### PLANTING DETAILS

SCALE: AS NOTED

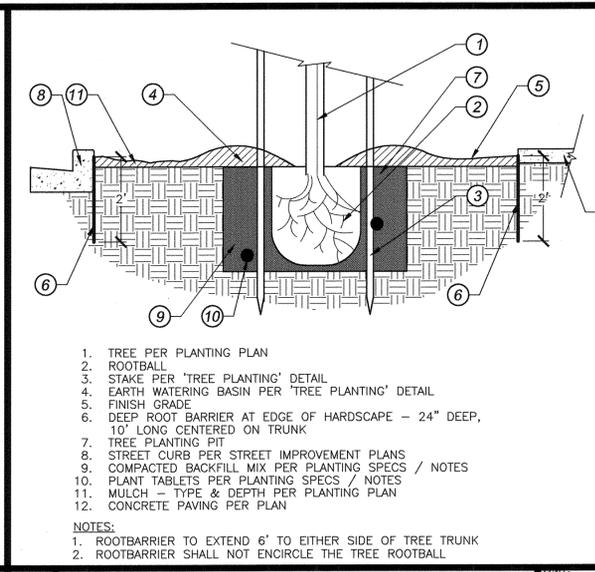


Know what's below.  
Call before you dig.

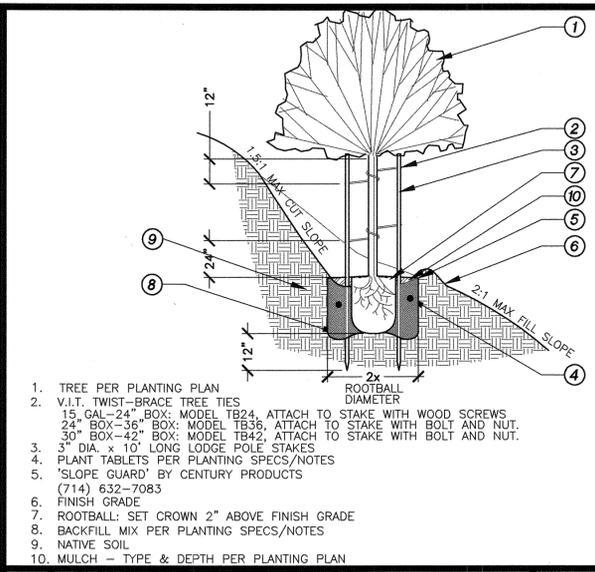
### LP-2



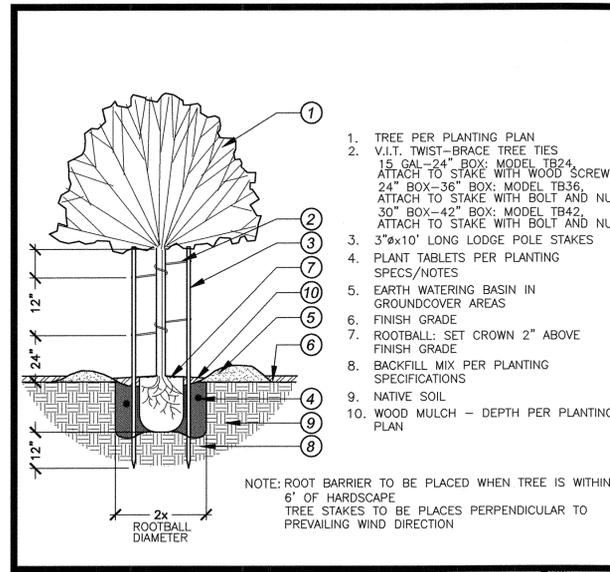
**D Shrub Planting** N.T.S.



**C Linear Root Barrier** N.T.S.



**B Tree on Slope Planting** N.T.S.



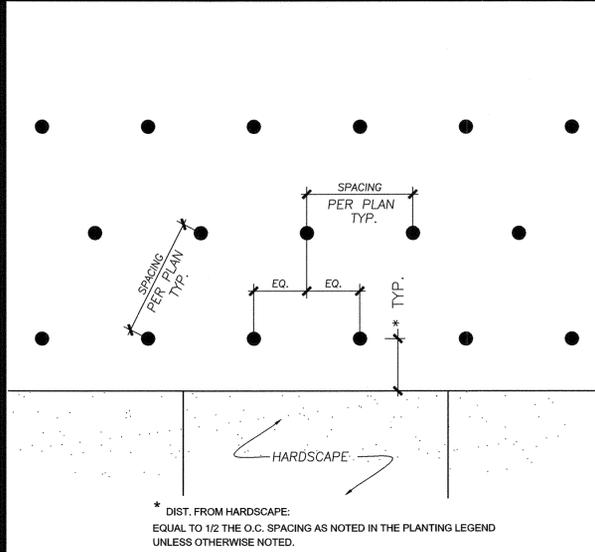
**A Tree Planting** N.T.S.

**PLANTING NOTES CONT.**

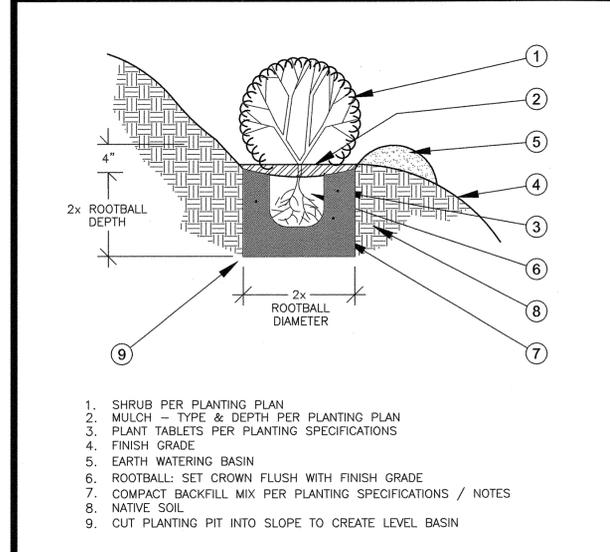
- FOR BACKFILL AROUND TREES AND SHRUBS, USE THE FORMULA AS INDICATED IN THE SOIL PREP / BACKFILL NOTE. MIXING SHALL BE DONE AT ONE LOCATION.
- WEED ABATEMENT - TO ALL PLANTING AREAS, AFTER EARTHWORK, INSTALLATION OF IRRIGATION SYSTEM AND SOIL PREPARATION, THE FOLLOWING WEED ABATEMENT WORK SHALL BE DONE:
  - KEEP AREAS MOIST BY REGULAR IRRIGATIONS FOR A PERIOD OF TWO WEEKS (MINIMUM) TO GERMINATE EXISTING WEED SEEDS.
  - KILL WEEDS WITH CONTACT WEED KILLER PER LICENSED HERBICIDE AGENCY SPECIFICATIONS. AFTER COMPLETE WEED KILL, REMOVE WEED RESIDUE AND TOP GROWTH.
- PRE-EMERGENT PROGRAM - PRIOR TO INSTALLATION OF GROUND COVER, CONTRACTOR SHALL INSTALL A PER-EMERGENT HERBICIDE, EPAM OR EQUAL, TO ALL PROPOSED GROUND COVER AREAS PER MANUFACTURER'S RECOMMENDATIONS.
- MAINTENANCE - THE CONTRACTOR SHALL MAINTAIN ALL PLANTED AREAS THROUGHOUT THE CONTRACT PERIOD. MAINTENANCE SHALL CONSIST OF PROPER WATERING, FERTILIZATION, WEEDING, AND GENERAL CLEAN-UP. PLANTS SHALL BE KEPT IN A HEALTHY GROWING CONDITION.
- PLANT ESTABLISHMENT PERIOD - THE PLANT ESTABLISHMENT PERIOD SHALL COMMENCE UPON THE OWNER'S AND THE LANDSCAPE ARCHITECT'S WRITTEN APPROVAL OF ALL PHASES OF PLANTING INSTALLATION AND SHALL BE FOR NINETY (90) CONTINUOUS CALENDAR DAYS. PLANT ESTABLISHMENT WORK SHALL INCLUDE THREE (3) FERTILIZER APPLICATIONS TO ALL PLANTED AREAS DURING THIRTY (30) DAY INTERVALS DURING THE PLANT ESTABLISHMENT PERIOD (REFER TO FERTILIZER PROGRAM NOTE FOR TYPE AND APPLICATION RATES).
- PLANT ESTABLISHMENT PROCEDURES - THE GENERAL CARE AND MAINTENANCE OF ALL AREAS SHALL CONSIST OF PROPER WATERING, FERTILIZATION, WEEDING, CLEAN-UP, AND AS FOLLOWS:
  - CULTIVATE AND WEED AT NOT LESS THAN TEN (10) WORKING DAY INTERVALS.
  - THREE (3) FERTILIZER APPLICATIONS PER NOTE ABOVE WITH FERTILIZER AT THE RATE AND FORMULA AS INDICATED IN THE SOIL PREP/BACKFILL NOTE.
  - CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEMS IN A LIKE NEW, OPERATING CONDITION, ADJUSTING HEAD HEIGHTS, THROW AND SPRAY ARCS AS NECESSARY.
  - THE CONTRACTOR IS RESPONSIBLE FOR PROPER WATERING OF ALL PLANTED AREAS, AND SHALL REPLACE ANY MATERIAL DAMAGED DUE TO IMPROPER MOISTURE. ANY CONCENTRATED DEVELOPMENT OF WEED GROWTH THAT MAY APPEAR IN PLANTING AREAS DURING PLANT ESTABLISHMENT PERIOD SHALL BE REMOVED AT THIRTY (30) DAY INTERVALS. THE CONTRACTOR MAY ELECT TO REMOVE SUCH CONCENTRATIONS OF WEEDS MANUALLY OR BY AN APPROVED HERBICIDE PROGRAM.
  - DURING THE COURSE OF THE MAINTENANCE WORK, THE CONTRACTOR SHALL REMOVE SURPLUS MATERIALS AND DEBRIS FROM THE SITE AND SHALL KEEP THE PREMISES IN A NEAT AND CLEAN CONDITION AT ALL TIMES.
  - DURING THE PLANT ESTABLISHMENT PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE PROTECTION FOR ALL PLANTING AREAS. ANY DAMAGED AREAS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

**PLANTING NOTES:**

- GENERAL - ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL CODES AND THESE PLANS.
  - THE CONTRACTOR SHALL CAREFULLY INSPECT THE SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF ANY WORK UNDER THIS CONTRACT.
  - THE CONTRACTOR SHALL CARRY ALL WORKER'S COMPENSATION, PUBLIC LIABILITY, AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY OWNER.
  - THE CONTRACTOR SHALL APPLY FOR ALL PERMITS AND PAY FOR SAME.
  - ALL IRRIGATION WORK SHALL HAVE BEEN INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING ANY GROUND COVER PLANTING WORK.
  - THE OWNER'S SUPERINTENDENT AND THE LANDSCAPE ARCHITECT WILL INSPECT THE PLANTING WORK PRIOR TO STARTING WORK. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT AND COORDINATE ALL INSPECTIONS.
  - THE QUALITY OF WORKMANSHIP AND MATERIALS SHALL BE OF THE HIGHEST STANDARDS. COOPERATION AND FLEXIBILITY IS EXPECTED OF THE CONTRACTOR TOWARD WORKING WITH THE OWNER/LANDSCAPE ARCHITECT IN PRODUCING THE BEST POSSIBLE PRODUCT. UPON COMPLETION OF EACH PHASE OF WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE SITE OF ALL ACCUMULATED RUBBISH, DEBRIS, AND OTHER EXTRANEANEOUS MATERIAL.
- SCOPE OF WORK - CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR, TRANSPORTATION, EQUIPMENT AND PROPERTY TO COMPLETE THE LANDSCAPING OF THE PLANTING AREAS AS INDICATED ON, OR REASONABLY IMPLIED BY THE DRAWINGS AND/OR NOTES.
  - INCLUDED AS A PART OF THE WORK, BUT NOT NECESSARILY LIMITED BY IT ARE THE FOLLOWING ITEMS: FINE GRADING OF ALL PLANTING AREAS; PREPARATION OF ALL PLANTING AND TREE HOLES; FURNISHING AND INSTALLATION OF ALL PLANT MATERIALS; PROVIDING MAINTENANCE THROUGHOUT THE PROJECT PERIOD; PROVIDING PLANT ESTABLISHMENT WORK THROUGHOUT THE SPECIFIED PERIOD; CLEAN-UP AND WEEDING OF ALL LANDSCAPE AREAS; GUARANTEE OF ALL PLANT MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR.
- THE CONTRACTOR SHALL REMOVE ALL WEEDS, ROCKS OVER 2" DIAMETER, DEBRIS AND OTHER EXTRANEANEOUS MATERIAL FROM THE JOB SITE IN A LEGAL MANNER PRIOR TO PROCEEDING WITH ANY WORK UNDER THIS CONTRACT.
- THE OWNER SHALL PROVIDE ROUGH GRADE TO WITHIN 1/10th OF 1 FOOT OF FINISH GRADE, INCLUDING ANY MINOR ADJUSTMENTS TO EARTH BERM AND SLOPE SHAPES. PROVIDE FINISH GRADE IN PLANTING AREAS TO 1% MINIMUM FLOW. FINISH GRADES SHALL BE 2" BELOW ADJACENT WALKS, CURBS, DRIVEWAYS, ETC. IN GROUND COVER AREAS AND 1" BELOW IN TURF.
- ALL TREES AND SHRUBS SHALL BE PLANTED PER THESE NOTES AND AS DETAILED. ALL PLANT MATERIAL SHALL BE OF THE HIGHEST QUALITY AND LARGEST REASONABLE SIZE AVAILABLE FOR THE SPECIFIED CONTAINER SIZE (WITHOUT BEING ROOT BOUND). SHRUB MATERIALS SHALL BE VIGOROUSLY GROWING, HEALTHY PLANT MATERIAL FULL AND BUSHY. THE LANDSCAPE ARCHITECT WILL APPROVE ALL PLANT MATERIAL WHEN SPOTTED FOR PLANTING, AND WILL NOT HESITATE TO REJECT ANY MATERIAL OF QUESTIONABLE QUALITY, OR OF LESS THAN THE LARGEST REASONABLE SIZE MATERIAL AVAILABLE. ALL SPECIMEN MATERIAL TAGGED BY THE LANDSCAPE ARCHITECT FOR THIS PROJECT WILL BE AVAILABLE AT VALLEY CREST NURSERY, MOON VALLEY NURSERY, OR OTHER SOURCE EQUAL IN QUALITY. CONTRACTOR SHALL PURCHASE TAGGED MATERIAL, ARRANGE DELIVERY, PAY FOR SAME, AND INSTALL PER PLAN.
- THE LANDSCAPE ARCHITECT SHALL APPROVE THE LOCATION OF ALL OF THE ONE GALLON, FIVE GALLON, AND FIFTEEN GALLON PLANT MATERIAL AS APPROXIMATELY SPOTTED IN THE FIELD BY THE CONTRACTOR. ALL BOXED MATERIAL SHALL BE STAKED FOR LOCATION APPROVAL PRIOR TO PLANT PIT EXCAVATION. PRIOR TO PLANTING, THE OWNER'S REPRESENTATIVE WILL SELECT THE BEST SIDE AND FACE ALL SPECIMEN TREES.
- TREE TIES SHALL BE "TWIST-BRACE" AVAILABLE FROM "V.I.T. COMPANY" OF ESCONDIDO, CA (619) 480-6702. INSTALL PER MANUFACTURER'S SPECIFICATIONS. USE WOOD SCREWS ONLY FOR WOOD STAKES, USE THRU BOLT FOR METAL STAKES.
- ALL GROUND COVER AS NOTED IN THE LEGEND SHALL BE ROOTED TIP CUTTINGS FROM FLATS OR LINERS UNLESS OTHERWISE SPECIFIED, AND SHALL BE PLANTED IN STAGGERED ROWS CONTINUOUSLY UNDER ALL TREES AND SHRUBS IN THE AREAS AS DESIGNATED ON THE PLANS AND AT THE SPACING INDICATED IN THE LEGEND. ALL GROUND COVER AND SHRUB AREAS SHALL HAVE A MINIMUM DEPTH OF 3" MULCH, TYPE PER PLAN (WOOD MULCH TO BE MAX. 1" IN DIAMETER).
- TO ALL PLANTING AREAS AND PRIOR TO IRRIGATION SYSTEM INSTALLATION, CROSS RIP OR OTHERWISE TILL 12" DEEP. AFTER CROSS RIPPING, ROTO-TILL SOIL PREP AMENDMENTS 6" DEEP (SEE SOIL PREP / BACKFILL NOTE).



**F Groundcover Spacing** N.T.S.



**E Shrub on Slope Planting** N.T.S.

**PLANTING TABLETS:**

TIGHTLY COMPRESSED LONG-LASTING, 12 MONTH SLOW-RELEASE FERTILIZER TABLETS WEIGHING 7 GRAMS, AND HAVING AN ANALYSIS OF 12-8-8 DERIVED FROM THE SOURCES LISTED IN THE FOLLOWING GUARANTEED ANALYSIS:

TOTAL NITROGEN(N).....	12%
DERIVED FROM UREA FORMALDEHYDE	7.0% WATER SOLUBLE NITROGEN
13.0% IRON INSOLUBLE NITROGEN	
AVAILABLE PHOSPHORIC ACID (P2O5).....	8%
DERIVED FROM TRIPLE SUPER PHOSPHATE	
SOLUBLE POTASH (K2O).....	8%
COMBINED SULFUR (S).....	3.5%
DERIVED FROM FERROUS AND POTASSIUM SULPHATES	
IRON (EXPRESSED AS ELEMENTAL FE).....	2.0%
DERIVED FROM FERROUS SULPHATE	

**H Planting Tablets** N/A

**SOIL PREPARATION / BACKFILL NOTE:**

TO ALL NEW PLANTING AREAS (SHRUB AND GROUND COVER), ROTOTILL THE FOLLOWING AMENDMENTS:

'NITROMULCH' SOIL AMENDMENT - 3 CU. YDS. PER 1000 SQ. FT.  
16-16-16 COMMERCIAL FERTILIZER - 12 LBS. PER 1000 SQ. FT.

BACKFILL MIX FOR TREES, SHRUBS, AND VINES SHALL BE AS FOLLOWS:

6 PARTS BY VOLUME ON-SITE SOIL  
4 PARTS BY VOLUME ORGANIC AMENDMENT AS ABOVE  
1 LB. 16-16-16 COMMERCIAL FERTILIZER PER CU. YD. OF MIX  
2 LBS. IRON SULFATE PER CU. YD. OF MIX

'NITROMULCH' SOIL AMENDMENT AVAILABLE FROM 'KELLOG SUPPLY, INC.' (800) 232-2322

**FERTILIZER PROGRAM:**

THREE (3) FERTILIZER APPLICATIONS ARE TO BE APPLIED TO ALL PLANTING AREAS AT THIRTY (30) DAY INTERVALS USING THE FOLLOWING FORMULA:

5 LBS. 16-16-16 COMMERCIAL FERTILIZER PER 1000 SQ. FT.

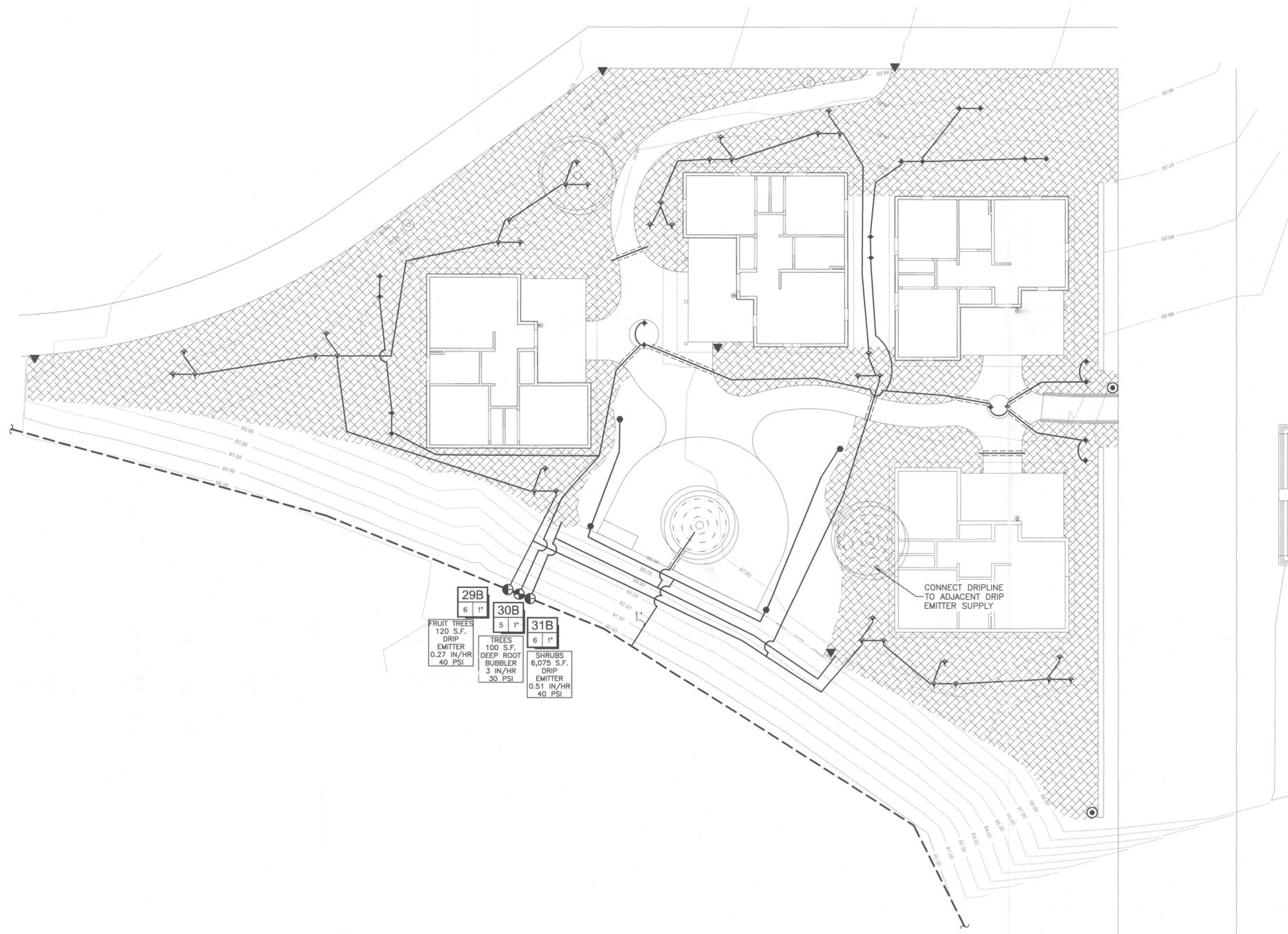
AFTER ALL SITE GRADING HAS BEEN COMPLETED, THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, AN AGRONOMIC SOILS TEST. THE TEST SHALL BE PERFORMED BY AN APPROVED SOIL LAB AND SHALL INCLUDE AND WILL INCLUDE A FERTILITY AND SUITABILITY ANALYSIS WITH WRITTEN RECOMMENDATIONS FOR SOIL PREPARATION, PLANTING BACKFILL MIX, AUGER HOLE REQUIREMENTS, AND POST PLANT FERTILIZATION PROGRAM. THE RECOMMENDATIONS OF THIS REPORT SHALL TAKE PRECEDENCE OVER THE ABOVE QUANTITIES ONLY WHEN THEY EXCEED THE SPECIFIED MINIMUMS.

**G Soil Prep / Fertilizer** N/A

**PLANTING NOTES:**

- TO ALL PLANTING AREAS AND PRIOR TO IRRIGATION SYSTEM INSTALLATION, CROSS RIP OR OTHERWISE TILL 12" DEEP. AFTER CROSS RIPPING, ROTO-TILL SOIL PREP AMENDMENTS 6" DEEP (SEE SOIL PREP / BACKFILL NOTE).

**I Planting Notes** N/A



### EQUIPMENT LEGEND

SYMBOL	MANUFACTURER/MODEL #	SIZE	DETAIL	NOTES
NOT SHOWN	EXISTING IRRIGATION WATER METER	2"	N/A	-
NOT SHOWN	EXISTING HYDROPOINT WEATHERTRAK ET BASED IRRIGATION CONTROLLER TO REMAIN, PROTECT IN PLACE (LOCATED NEAR BALLFIELD CONCESSION STAND)	48 STA.	N/A	(1,2)
●	HOSE BIB	3/4"	N/A	-
⊕	RAINBIRD PEB SERIES ELECTRIC CONTROL VALVE	1"	'A', LP-2	(3)
⊕	RAINBIRD XGZ-100-PRB-COM DRIP CONTROL ZONE ASSEMBLY	1"	'B', LP-2	(3)
---	EXISTING IRRIGATION MAINLINE TO REMAIN, PROTECT IN PLACE	4"	N/A	(1)
---	SCH. 40 PVC NON-PRESSURE LATERAL LINE - 12" MIN. COVER	3/4"	'C', LP-2	(5)
====	SCH 40 PVC IRRIGATION PIPE / WIRE SLEEVE - 24" MIN. COVER	SEE CHART	'D', LP-2	-
○	UF RATED CONTROL WIRE, 12 GA COMMON, 14 GA PILOT	12/14 GA	'E', LP-2	-
⊙	RAINBIRD ARVOSO AIR/VACUUM RELIEF VALVE	1/2"	'F', LP-2	-
▽	DRIFLINE FLUSH VALVE	LINE SIZE	'G', LP-2	-
---	RAINBIRD XF SERIES DRIP TUBING WITH PRESSURE COMPENSATING EMITTERS	N/A	'H'-'J', LP-2	(4)
---	RAINBIRD XFD-06-12 DRIFLINE	N/A	'H'-'J', LP-2	-

(1) CONTRACTOR TO LOCATE EXISTING EQUIPMENT IN THE FIELD PRIOR TO THE START OF CONSTRUCTION  
 (2) CONTRACTOR TO ENSURE THAT EXISTING IRRIGATION SYSTEM IS FUNCTIONING PROPERLY AND COMMUNICATING WITH CONTROLLER PRIOR TO COMPLETION OF CONSTRUCTION  
 (3) CONTRACTOR TO WIRE NEW VALVES TO EXISTING CONTROLLER AT FIRST AVAILABLE STATION  
 (4) EACH SHRUB TO RECEIVE (2) RAINBIRD XB-20PC DRIP EMITTERS. INSTALL EMITTERS ON OPPOSITE SIDES OF THE ROOTBALL  
 (5) LATERAL LINE SIZE TO BE 3/4" UNLESS OTHERWISE NOTED

### SPRINKLER LEGEND

SYMBOL	MANUFACTURER/MODEL #	NOZZLE	RAD.	PSI	FLOW (GPM)					DETAIL	NOTES	
					Q	T	H	TT	TQ			
+	RAINBIRD PC-10-1032 EMITTER	F		30					10.0	5	'D', L-2	(1)
+	RAINBIRD RWS-1401-B-C	F		30					0.25	3	'D', L-2	

(1) FLOW IS IN GALLONS PER HOUR

### SCH 40 PVC SLEEVING CHART

SLEEVE SIZE	WIRE COUNT	PIPE SIZE
1 1/4" SLEEVE	1-4 WIRES	1/2" PIPE
1 1/2" SLEEVE	5-10 WIRES	3/4" PIPE
2" SLEEVE	11-20 WIRES	1" PIPE
2 1/2" SLEEVE	21-30 WIRES	1 1/4" PIPE
3" SLEEVE	31-40 WIRES	1 1/2" PIPE
4" SLEEVE	41-60 WIRES	2" PIPE
6" SLEEVE	61-99 WIRES	2 1/2"-3" PIPE
8" SLEEVE	100+ WIRES	4" PIPE
10" SLEEVE	N/A	6" PIPE

### STATION # / CONTROLLER

FLOW (GPM)	VALVE SIZE

### HYDROZONE AREA IRRIGATION TYPE PRECIP RATE PRESSURE

PRECIP RATE	PRESSURE

### IRRIGATION CONTROLLER SCHEDULE DURING SIX MONTH PLANT ESTABLISHMENT PERIOD

Station	Ap.Rt.	Min./Wk.	Irr.Days	Plant	Base	Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	0.51	117.65	3	0.4	15.69	Run Time	12	14	20	25	28	31	34	33	25	19	14	12
2	3	20.00	3	0.4	2.67	Run Time	2	2	3	4	5	5	6	6	4	3	2	2
3	0.27	222.22	3	0.5	37.04	Run Time	28	32	46	59	66	73	80	77	60	45	33	28

### IRRIGATION CONTROLLER SCHEDULE AFTER SIX MONTH PLANT ESTABLISHMENT PERIOD

Station	Ap.Rt.	Min./Wk.	Irr.Days	Plant	Base	Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1	0.51	117.65	3	0.4	15.69	Run Time	10	11	16	21	23	26	28	27	21	16	12	10
2	3	20.00	3	0.4	2.67	Run Time	2	2	3	4	4	4	5	5	4	3	2	2
3	0.27	222.22	3	0.5	37.04	Run Time	23	27	39	49	55	61	67	64	50	37	27	24

#### IRRIGATION NOTES:

- GENERAL - ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND THESE PLANS. THE CONTRACTOR SHALL APPLY FOR ALL PERMITS AND PAY FOR SAME.
  - THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AT THE SITE PRIOR TO COMMENCEMENT OF ANY WORK UNDER THIS CONTRACT.
  - THE CONTRACTOR SHALL CARRY ALL WORKERS COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE, AS REQUIRED BY THE CITY / OWNER.
- SCOPE OF WORK - UNLESS OTHERWISE SPECIFIED, THE CONSTRUCTION OF IRRIGATION SYSTEMS SHALL INCLUDE THE FURNISHING, INSTALLATION AND TESTING OF ALL LATERAL LINES, RISERS, AND FITTINGS; AND THE FURNISHING AND INSTALLATION OF SPRINKLER HEADS, ELECTRIC CONTROL VALVES, EXCAVATION AND BACKFILL, AND ALL OTHER WORK IN ACCORDANCE WITH THESE PLANS, DETAILS, AND NOTES. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, EQUIPMENT PROPERTY, TRANSPORTATION, AND PERFORM ALL OPERATIONS REQUIRED FOR A COMPLETE AND OPERABLE IRRIGATION SYSTEM AS INDICATED ON, OR REASONABLY IMPLIED, BY THE DRAWINGS, DETAILS, AND NOTES. INCLUDED AS A PART OF THE IRRIGATION WORK, BUT NOT LIMITED BY IT, ARE THE FOLLOWING:
  - INSTALL COMPLETE OPERABLE INDEPENDENT IRRIGATION SYSTEMS PER THE PLANS, DETAILS, NOTES, AND LEGENDS.
  - ALL IRRIGATION WORK SHALL BE GUARANTEED BY THE CONTRACTOR AS TO MATERIAL AND WORKMANSHIP, INCLUDING SETTILING OF BACKFILLED TRENCHES BELOW GRADE, FOR A PERIOD OF ONE (1) YEAR FOLLOWING THE DATE OF FINAL ACCEPTANCE OF THE WORK.
  - THE LANDSCAPE ARCHITECT SHALL DECIDE ALL QUESTIONS RELATING TO THE INTERPRETATION OF THE DRAWINGS AND THE ACCEPTABLE FULFILLMENT OF THE CONTRACT.
  - PIPING AND VALVES SHOWN ON THE PLANS ARE DIAGRAMMATIC. CONTRACTOR SHALL ROUTE PIPING TO AVOID CONFLICT WITH STATIONARY ELEMENTS AND IN SUCH A MANNER AS TO CONFORM WITH THE VARIOUS DETAILS AND DESIGN INTENT OF THESE PLANS.
  - THE CONTRACTOR SHALL AT ALL TIMES PROTECT HIS WORK FROM DAMAGE AND THEFT AND REPLACE ALL DAMAGED OR STOLEN PARTS AT HIS EXPENSE UNTIL THE WORK IS ACCEPTED IN WRITING BY THE OWNER / CITY.
- EXTREME CARE SHALL BE EXERCISED IN EXCAVATING AND WORKING NEAR EXISTING UTILITIES. CONTRACTOR SHALL VERIFY THE LOCATION AND CONDITION OF ALL UTILITIES AND BE RESPONSIBLE FOR ANY DAMAGE.
- THE CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND FREE OF EXCESS EQUIPMENT, MATERIALS, AND RUBBISH INCIDENTAL TO HIS WORK.
- IRRIGATION DESIGN IS BASED ON 70 PSI AVAILABLE WATER PRESSURE AT 6 GPM. CONTRACTOR SHALL VERIFY PRESSURE PRIOR TO CONSTRUCTION; SHOULD A DISCREPANCY EXIST, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO START OF WORK.
- CONTRACTOR SHALL MAKE POINT OF CONNECTION AS NOTED ON THE PLANS.
- ALL WIRES SHALL BE SOLID COPPER, PLASTIC INSULATED, U.F. DIRECT BURIAL WIRE. ALL COMMON WIRE SHALL BE AWG #12 WHITE; ALL CONTROL WIRE SHALL BE AWG #14 RED OR BLACK. CONTROLLERS SHALL HAVE SEPARATE COLOR CODED COMMON WIRES WHEN TWO OR MORE CONTROLLERS ARE ON PROJECT.
- ALL CONTROL WIRES AND IRRIGATION PIPE LINES THAT RUN UNDER PAVING SHALL BE ENCASED IN SCH 40 PVC PIPE SLEEVES. SLEEVES SHALL BE SIZED ACCORDING TO THE CHART ON THE PLANS.
- FINAL LOCATION OF CONTROL VALVES SHALL BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT OR THE OWNER'S AUTHORIZED REPRESENTATIVE.
- CONTRACTOR SHALL HEAT BRAND VALVE NUMBERS ON OUTSIDE OF ALL VALVE BOX LIDS.
- ALL PVC THREADED CONNECTIONS SHALL BE COATED WITH TEFLON TAPE.
- ALL PVC SOLVENT-WELD CONNECTIONS SHALL BE MADE WITH SOLVENT-WELD MATERIALS AS RECOMMENDED BY THE PIPE MANUFACTURER. SOLVENT-WELD PRIMER SHALL BE APPLIED AT ALL CONNECTIONS.
- LOW HEAD DRAINAGE WILL NOT BE ALLOWED. CONTRACTOR TO DETERMINE IN THE FIELD WHICH HEADS DRAIN AFTER THE VALVE IS SHUT OFF. CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL IN LINE CHECK VALVES AS NEEDED AT NO ADDITIONAL COST TO THE OWNER.

- ALL PRESSURE SUPPLY LINES AND CONTROL WIRES TO HAVE 18"-24" MINIMUM COVER (PER DETAIL). LATERAL LINES TO HAVE 12" MINIMUM COVER.
- UPON COMPLETION OF THE PROJECT, THE CONTRACTOR IS TO TURN OVER TO THE OWNER THE FOLLOWING:
  - A REPRODUCIBLE SET OF "AS-BUILT" DRAWINGS AND CONTROLLER CHART.
  - 2 KEYS FOR EACH CONTROLLER AND CONTROLLER ENCLOSURE (AS APPLICABLE).
  - 2 QUICK COUPLER KEYS AND MATCHING HOSE SWIVELS.
  - 4 OF EACH SPRINKLER HEAD SPECIFIED.
- AS-BUILT DRAWINGS - THE CONTRACTOR SHALL PROVIDE AND KEEP UP TO DATE A COMPLETE "AS-BUILT" RECORD SET OF PRINTS WHICH SHALL BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS. PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL TRANSCRIBE ALL INFORMATION FROM THE "AS-BUILT" SET TO A REPRODUCIBLE MYLAR, PROCURED FROM THE OWNER. ALL WORK SHALL BE NEAT AND LEGIBLE. LOCATING THE FOLLOWING ITEMS FROM PERMANENT POINTS OF REFERENCE: SHUT-OFF VALVES, MAINLINE AND CONTROL WIRE ROUTING, POC, BACKFLOW DEVICE, CONTROL VALVES, CONTROLLER, QUICK COUPLERS, AND OTHER PERTINENT UNDERGROUND ITEMS.
- CONTROLLER CHART - UPON APPROVAL OF THE FINAL "AS-BUILT" DRAWINGS, PROVIDE ONE CHART FOR EACH CONTROLLER INSTALLED AS FOLLOWS:
  - THE CHART IS TO BE A REDUCED COPY OF THE APPROVED "AS-BUILT" SYSTEM (A BLACK-LINE PRINT REDUCED TO THE MAXIMUM SIZE THE CONTROLLER DOOR WILL ALLOW, COLORED WITH A DIFFERENT COLOR FOR EACH VALVE STATION).
  - WHEN COMPLETED AND APPROVED, THE CHART SHALL BE HERMETICALLY SEALED BETWEEN TWO (2) PIECES OF 20 MIL CLEAR PLASTIC AND MOUNTED ON THE INSIDE OF THE CONTROLLER DOOR USING VELCRO TAPE OR EQUAL.

### California Water Efficient Landscape Worksheet

Reference Evapotranspiration (ET <sub>a</sub> )	56.33	Project Type	Non-Residential	0.45				
Hydrozone # / Planting Description	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency (IE)	ETAF (PF/IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU)	
<b>Regular Landscape Areas</b>								
Shrubs	0.3	Drip	0.81	0.37	6,075	2250	78,580	
Trees	0.4	Drip	0.81	0.49	100	49	1,725	
Fruit Trees	0.5	Drip	0.81	0.62	120	74	2,587	
<b>Totals</b>						6,295	2373	82,892
<b>ETWU Total</b>						82,892		
<b>Maximum Allowed Water Allowance (MAWA)</b>						98,933		

### ETAF Calculations

Regular Landscape Areas	Total ETAF x Area	2373
Total Area	6295	
Average ETAF	0.38	

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

Checked for compliance  
**DESIGN REVIEW APPROVED**

Case # **PR-0710** Date **9/27/18** Initial **MSS**  
 City of Riverside Planning Division



Jul 13, 2018 - 8:37am Kay Kite F:\Grove Village\CD's\Irrigation.dwg

## General Irrigation Notes

**COMMUNITY WORKS DESIGN GROUP**  
 LANDSCAPE ARCHITECTURE  
 4649 Brockton Ave.  
 Riverside, CA 92506  
 Phone: (951) 369-0700  
 Fax: (951) 369-4039  
 www.comworksgroup.com

**VILLAGE HOUSING**  
 GROVE COMMUNITY CHURCH  
 19900 GROVE COMMUNITY DR.  
 RIVERSIDE, CA 92508

JOB NUMBER: **180742**  
 DRAWN BY: **KCK**  
 CHECKED BY: **TIM**  
 DATE: **7/12/18**

REVISIONS:

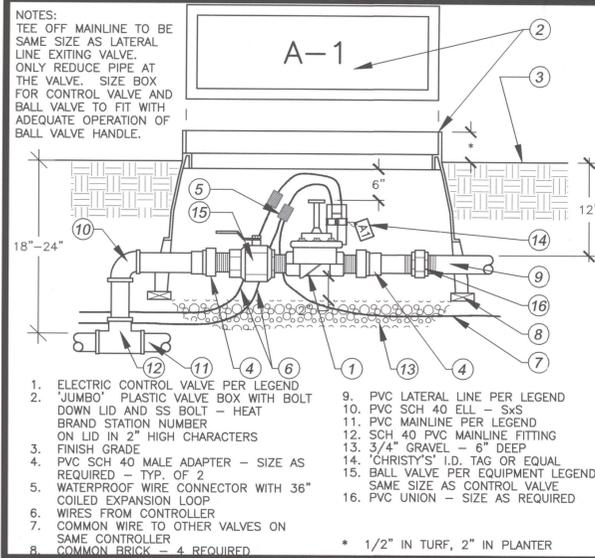


## PLANTING PLAN

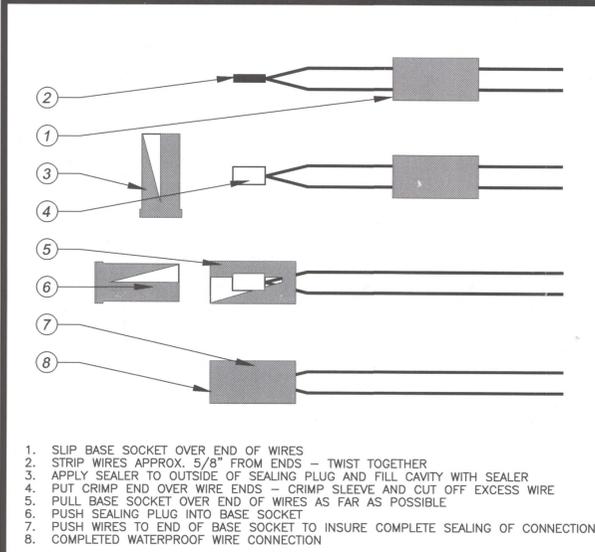
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**811**  
 Know what's below.  
 Call before you dig.

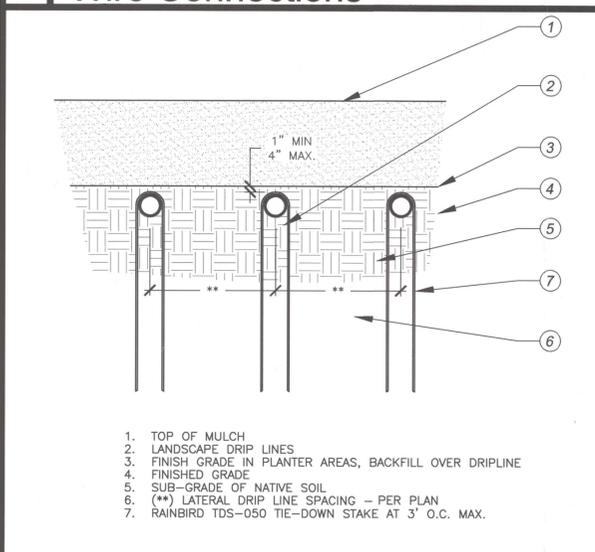
**LP-1**  
 SEE DRAWING DATED 11/13/18 FOR UPDATE  
 SHEET X OF X



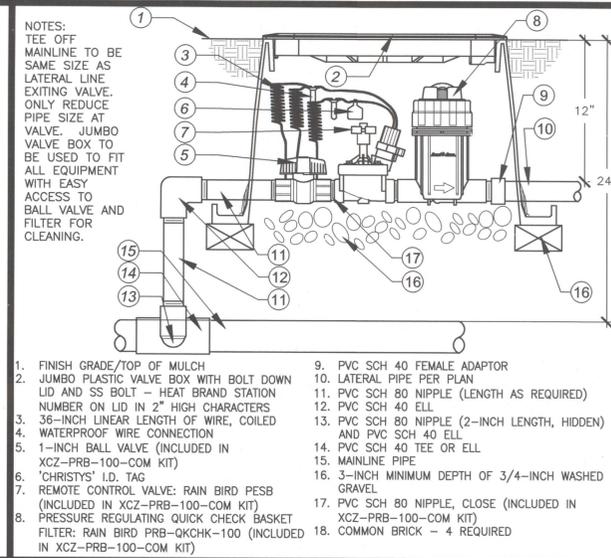
**A Remote Control Valve**



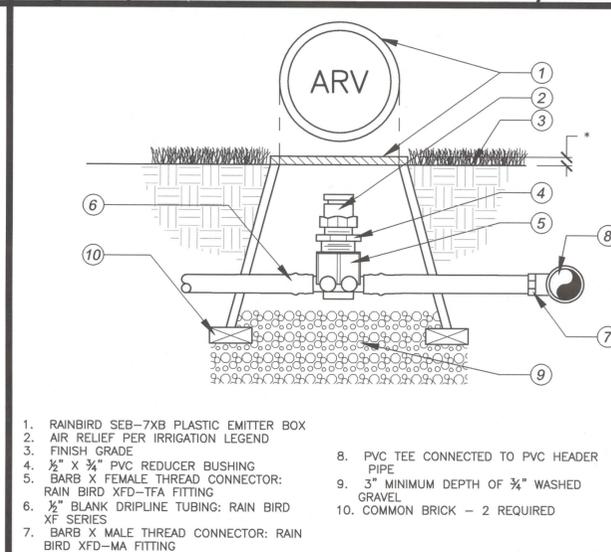
**E Wire Connections**



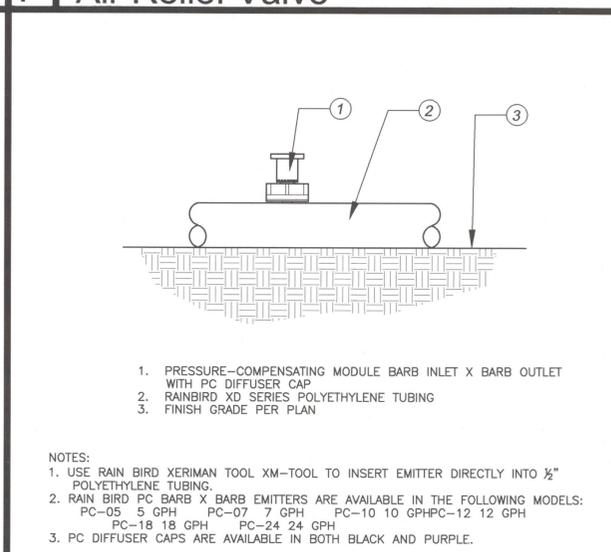
**I Dripline Burial**



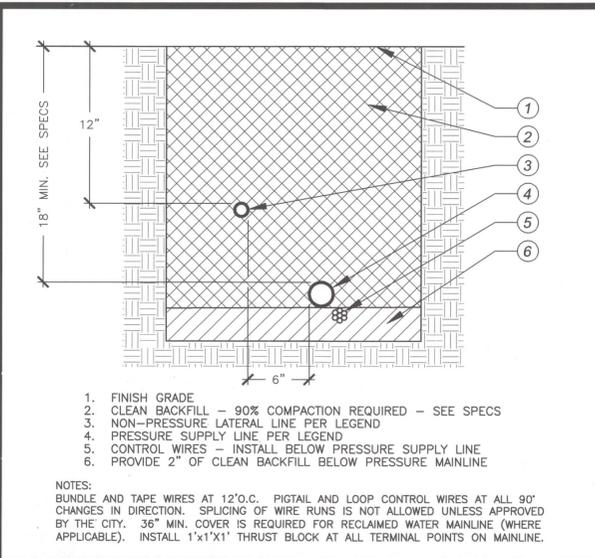
**B Drip Control Valve Assembly**



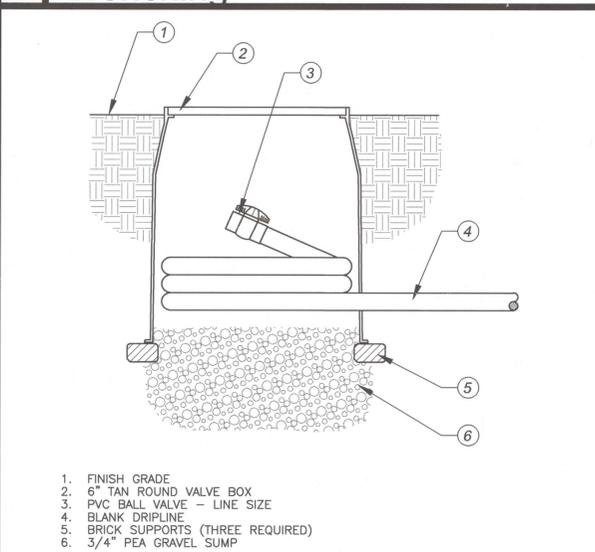
**F Air Relief Valve**



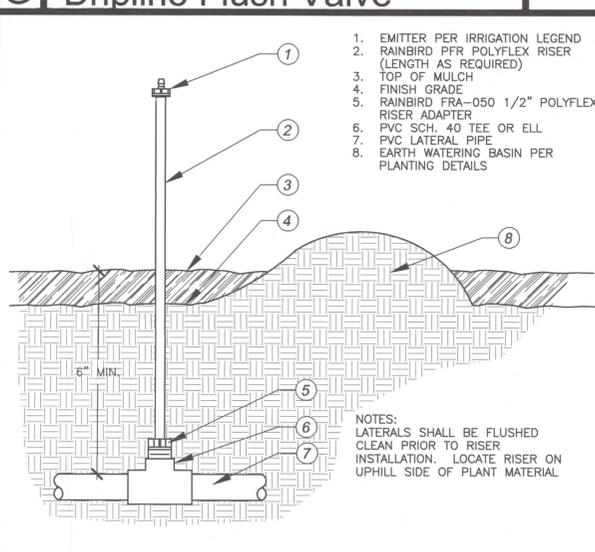
**J PC Drip Emmitter**



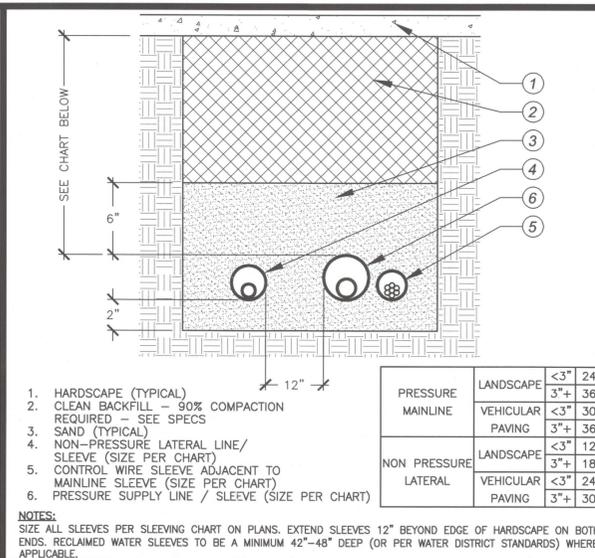
**C Trenching**



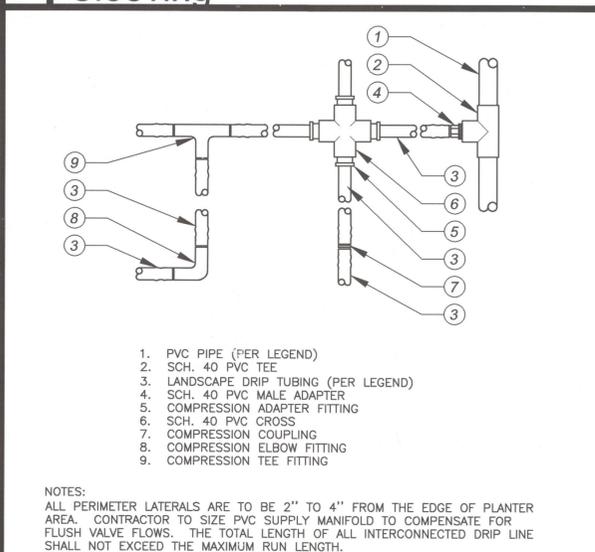
**G Dripline Flush Valve**



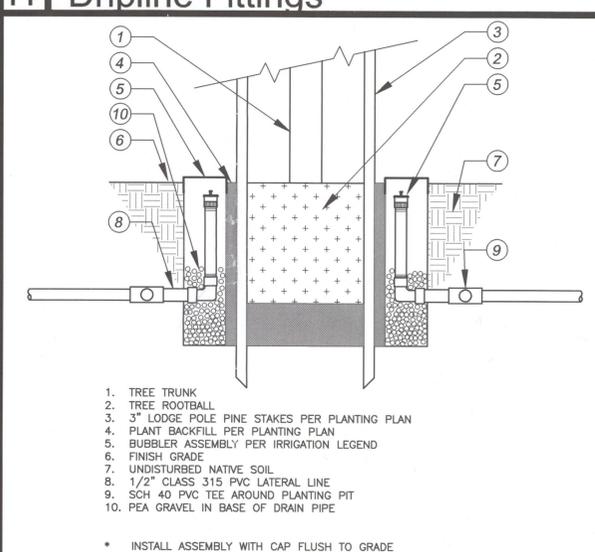
**K Drip Emmitter on Poly Flex Riser**



**D Sleeving**



**H Dripline Fittings**



**L Tree Bubbler Heads**

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 RIVERSIDE, CA 92508

JOB NUMBER: 180742  
 DRAWN BY: KCK  
 CHECKED BY: TIM  
 DATE: 7/12/18  
 REVISIONS:

LICENSED LANDSCAPE ARCHITECT  
 MALONEY ARCHITECT  
 Signature: [Signature]  
 10/31/19  
 Renewal Date: 7/12/18  
 State of California

**PLANTING DETAILS**  
 SCALE: AS NOTED

**811**  
 Know what's below.  
 Call before you dig.

**LP-2**  
 SEE DRAWING DATED 11/13/18 FOR UPDATE  
 SHEET X OF X

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REVISIONS:



**PLANTING PLAN**

SCALE: 1"=10'-0"

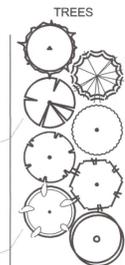


Know what's below.  
Call before you dig.

**LP-1**  
SEE DRAWING DATED 11/13/18 FOR UPDATE  
SHEET 3 OF 4

**PLANTING LEGEND:**

BOTANIC NAME	COMMON NAME	SIZE / SPACING	WUCOLS	DETAIL
CERCIDIUM FLORIDUM 'DESERT MUSEUM'	DESERT MUSEUM PALO VERDE	15 GAL	LOW	'A' & 'B', LP-2
CERCIS CANADENSIS 'FOREST PANSY'	EASTERN REDBUD	24" BOX	MOD.	'A' & 'B', LP-2
TRISTANIA CONFERTA	BRISBANE BOX	15 GAL	MOD.	'A' & 'B', LP-2
CITRUS RETICULATA	ORANGE	15 GAL	LOW	'A' & 'B', LP-2
PERSEA AMERICANA 'HASS' & 'FUERTE'	AVOCADO	15 GAL	MOD.	'A' & 'B', LP-2
PRUNUS DOMESTICA	PLUM	15 GAL	MOD.	'A' & 'B', LP-2
PRUNUS PERSICA	PEACH	15 GAL	MOD.	'A' & 'B', LP-2
EXISTING TREE TO REMAIN, PROTECT IN PLACE				

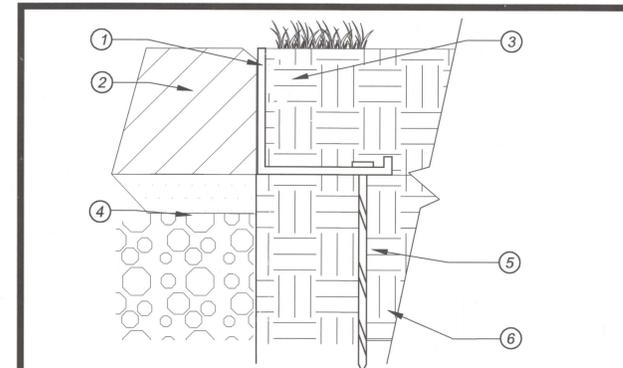


**GROUNDCOVERS**

LANTANA 'NEW GOLD'	NEW GOLD LANTANA	1 GAL @ 10' O.C.	LOW	'D'-'F', LP-2
ROSA 'CARPET RED'	RED CARPET ROSE	1 GAL @ 10' O.C.	MOD.	'D'-'F', LP-2
GARDEN				
CONCRETE PAVERS OVER 3" AGGREGATE BASE & SAND BED WITH ALUMINUM HEADER EDGE. SEE DETAIL 'A', THIS SHEET				
2" MINIMUM DEPTH SHREDDED WOOD MULCH				

**NOTES:**

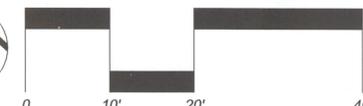
- ALL TREES WITHIN 6' OF HARDSCAPE TO RECEIVE ROOTBARRIER SEE DETAIL 'C', SHEET LP-2
- ALL PLANTER AREAS TO RECEIVE A 2" MINIMUM DEPTH LAYER OF SHREDDED WOOD BARK MULCH
- PLANT WATER USE VALUES ARE PER WUCOLS IV PLANT LIST

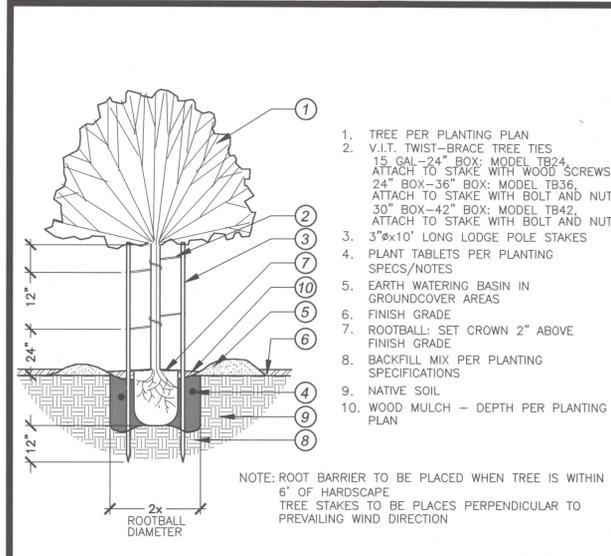


1. 5/8" x 1 5/8" ALUMINUM STRUCTUREDGE PERMALOC RESTRAINT. REFER TO MANUFACTURER'S CURRENT INSTALLATION GUIDELINES. CONNECT ADJACENT SECTIONS USING 4" (102MM) SLIDING CONNECTOR, MAINTAINING A 3/8" EXPANSION GAP BETWEEN SECTIONS. MANUFACTURED BY: PERMALOC 800-356-9660.
2. CONCRETE PAVERS PER PLAN
3. COMPACT GRADE ADJACENT TO ALUMINUM RESTRAINT
4. 3" LAYER OF 3/4" AGGREGATE BASE AND 1" PLASTER SAND LEVELING COURSE @ 90% RELATIVE COMPACTION
5. 3/8" BY 10" SPIRAL STEEL SPIKE AT 12" O.C. MINIMUM AND AT EVERY JOINT PER MANUFACTURERS SPECIFICATIONS.
6. 95% COMPACTED SUBGRADE

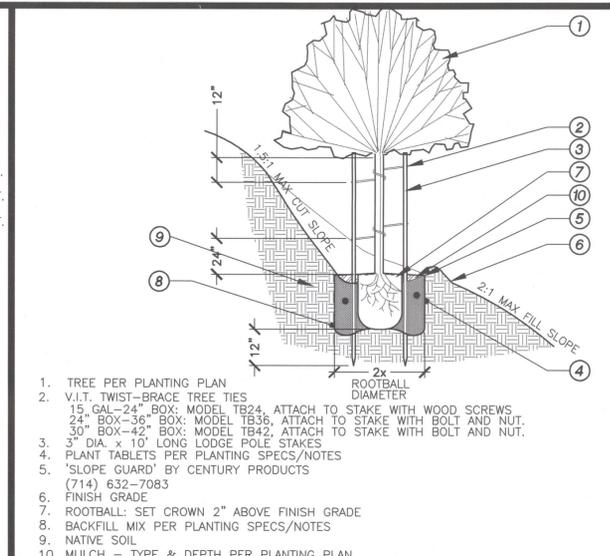
**A Concrete Paver Restraint**

SCALE: 3"=1'-0"

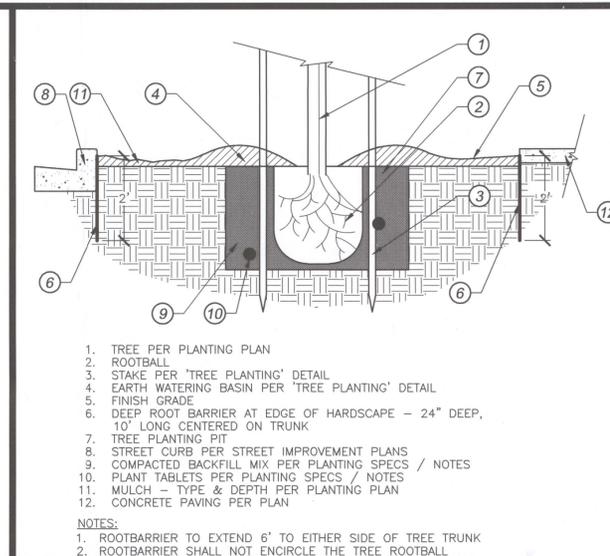




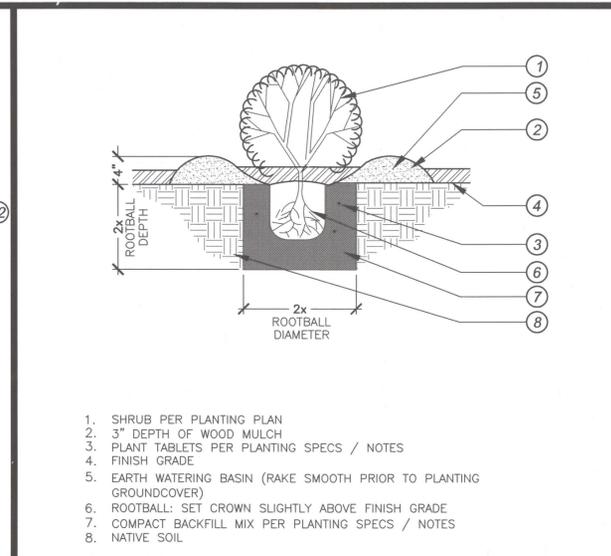
**A Tree Planting** SCALE: N.T.S.



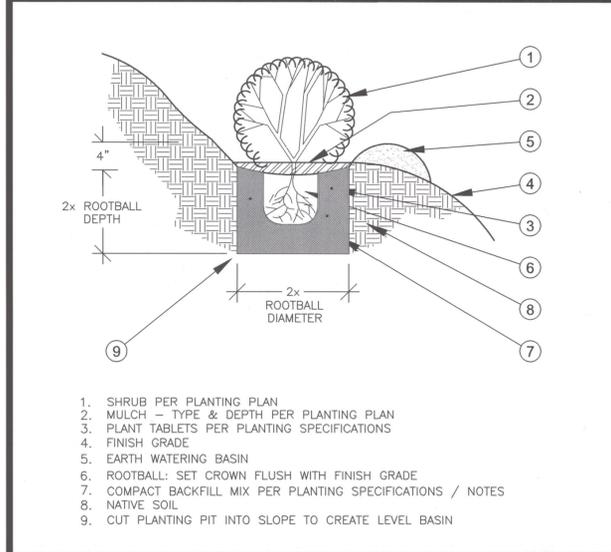
**B Tree on Slope Planting** SCALE: N.T.S.



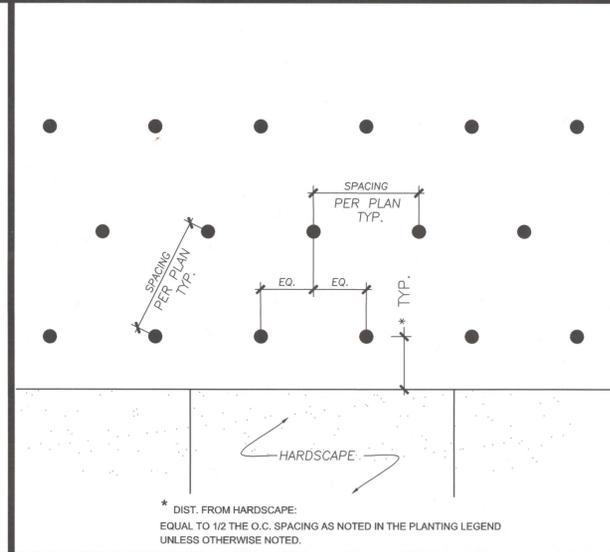
**C Linear Root Barrier** SCALE: N.T.S.



**D Shrub Planting** SCALE: N.T.S.



**E Shrub on Slope Planting** SCALE: N.T.S.



**F Groundcover Spacing** SCALE: N.T.S.

**SOIL PREPARATION / BACKFILL NOTE:**

TO ALL NEW PLANTING AREAS (SHRUB AND GROUND COVER), ROTOTILL THE FOLLOWING AMENDMENTS:

'NITROMULCH' SOIL AMENDMENT - 3 CU. YDS. PER 1000 SQ. FT.  
 16-16-16 COMMERCIAL FERTILIZER - 12 LBS. PER 1000 SQ. FT.

BACKFILL MIX FOR TREES, SHRUBS, AND VINES SHALL BE AS FOLLOWS:

6 PARTS BY VOLUME ON-SITE SOIL  
 4 PARTS BY VOLUME ORGANIC AMENDMENT AS ABOVE  
 1 LB. 16-16-16 COMMERCIAL FERTILIZER PER CU. YD. OF MIX  
 2 LBS. IRON SULFATE PER CU. YD. OF MIX

'NITROMULCH' SOIL AMENDMENT AVAILABLE FROM 'KELLOG SUPPLY, INC.' (800) 232-2322

**FERTILIZER PROGRAM:**

THREE (3) FERTILIZER APPLICATIONS ARE TO BE APPLIED TO ALL PLANTING AREAS AT THIRTY (30) DAY INTERVALS USING THE FOLLOWING FORMULA:

5 LBS. 16-16-16 COMMERCIAL FERTILIZER PER 1000 SQ. FT.

AFTER ALL SITE GRADING HAS BEEN COMPLETED, THE CONTRACTOR SHALL OBTAIN, AT HIS EXPENSE, AN AGRONOMIC SOILS TEST. THE TEST SHALL BE PERFORMED BY AN APPROVED SOIL LAB AND SHALL INCLUDE AND WILL INCLUDE A FERTILITY AND SUITABILITY ANALYSIS WITH WRITTEN RECOMMENDATIONS FOR SOIL PREPARATION, PLANTING BACKFILL MIX, AUGER HOLE REQUIREMENTS, AND POST PLANT FERTILIZATION PROGRAM. THE RECOMMENDATIONS OF THIS REPORT SHALL TAKE PRECEDENCE OVER THE ABOVE QUANTITIES ONLY WHEN THEY EXCEED THE SPECIFIED MINIMUMS.

**G Soil Prep / Fertilizer** SCALE: N/A

**PLANTING TABLETS:**

TIGHTLY COMPRESSED LONG-LASTING, 12 MONTH SLOW-RELEASE FERTILIZER TABLETS WEIGHING 7 GRAMS, AND HAVING AN ANALYSIS OF 12-8-8 DERIVED FROM THE SOURCES LISTED IN THE FOLLOWING GUARANTEED ANALYSIS:

TOTAL NITROGEN(N).....	12%
DERIVED FROM UREA FORMALDEHYDE	
7.0% WATER SOLUBLE NITROGEN	
13.0% WATER INSOLUBLE NITROGEN	
AVAILABLE PHOSPHORIC ACID (P2O5).....	8%
DERIVED FROM TRIPLE SUPER PHOSPHATE	
SOLUBLE POTASH (K2O).....	8%
COMBINED SULFUR (S).....	3.5%
DERIVED FROM FERROUS AND POTASSIUM SULPHATES	
IRON (EXPRESSED AS ELEMENTAL FE).....	2.0%
DERIVED FROM FERROUS SULPHATE	

**H Planting Tablets** SCALE: N/A

**PLANTING NOTES:**

- GENERAL - ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL CODES AND THESE PLANS.
  - THE CONTRACTOR SHALL CAREFULLY INSPECT THE SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF ANY WORK UNDER THIS CONTRACT.
  - THE CONTRACTOR SHALL CARRY ALL WORKER'S COMPENSATION, PUBLIC LIABILITY, AND PROPERTY DAMAGE INSURANCE AS REQUIRED BY OWNER.
  - THE CONTRACTOR SHALL APPLY FOR ALL PERMITS AND PAY FOR SAME.
  - ALL IRRIGATION WORK SHALL HAVE BEEN INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING ANY GROUND COVER PLANTING WORK.
  - THE OWNER'S SUPERINTENDENT AND THE LANDSCAPE ARCHITECT WILL INSPECT THE PLANTING WORK PRIOR TO STARTING WORK. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT AND COORDINATE ALL INSPECTIONS.
  - THE QUALITY OF WORKMANSHIP AND MATERIALS SHALL BE OF THE HIGHEST STANDARDS. COOPERATION AND FLEXIBILITY IS EXPECTED OF THE CONTRACTOR TOWARD WORKING WITH THE OWNER/LANDSCAPE ARCHITECT IN PRODUCING THE BEST POSSIBLE PRODUCT. UPON COMPLETION OF EACH PHASE OF WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE SITE OF ALL ACCUMULATED RUBBISH, DEBRIS, AND OTHER EXTRANEUS MATERIAL.
- SCOPE OF WORK - CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR, TRANSPORTATION, EQUIPMENT AND PROPERTY TO COMPLETE THE LANDSCAPING OF THE PLANTING AREAS AS INDICATED ON, OR REASONABLY IMPLIED BY THE DRAWINGS AND OR NOTES.
  - THE FOLLOWING ITEMS: FINE GRADING OF ALL PLANTING AREAS; PREPARATION OF ALL PLANTING AND TREE HOLES; FURNISHING AND INSTALLATION OF ALL PLANT MATERIALS; PROVIDING MAINTENANCE THROUGHOUT THE PROJECT PERIOD; PROVIDING PLANT ESTABLISHMENT WORK THROUGHOUT THE SPECIFIED PERIOD; CLEAN-UP AND WEEDING OF ALL LANDSCAPE AREAS; GUARANTEE OF ALL PLANT MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR.
- THE CONTRACTOR SHALL REMOVE ALL WEEDS, ROCKS OVER 2" DIAMETER, DEBRIS AND OTHER EXTRANEUS MATERIAL FROM THE JOB SITE IN A LEGAL MANNER PRIOR TO PROCEEDING WITH ANY WORK UNDER THIS CONTRACT.
- THE OWNER SHALL PROVIDE ROUGH GRADE TO WITHIN 1/10th OF 1 FOOT OF FINISH GRADE, INCLUDING ANY MINOR ADJUSTMENTS TO EARTH SLOPE SHAPES. PROVIDE FINISH GRADE IN PLANTING AREAS TO 1% MINIMUM FLOW. FINISH GRADES SHALL BE 2" BELOW ADJACENT WALKS, CURBS, DRIVEWAYS, ETC. IN GROUND COVER AREAS AND 1" BELOW IN TURF.
- ALL TREES AND SHRUBS SHALL BE PLANTED PER THESE NOTES AND AS DETAILED. ALL PLANT MATERIAL SHALL BE OF THE HIGHEST QUALITY AND LARGEST REASONABLE SIZE AVAILABLE FOR THE SPECIFIED CONTAINER SIZE (WITHOUT BEING ROOT BOUND). SHRUB MATERIALS SHALL BE WHOLESALE GROWING, HEALTHY PLANT MATERIAL, FULL AND BUSHY; OF HINES WHOLESALE NURSERY / MONROVIA NURSERY COMPANY QUALITY OR EQUAL. THE LANDSCAPE ARCHITECT WILL APPROVE ALL PLANT MATERIAL WHEN SPOTTED FOR PLANTING, AND WILL NOT HESITATE TO REJECT ANY MATERIAL OF QUESTIONABLE QUALITY, OR OF LESS THAN THE LARGEST REASONABLE SIZE MATERIAL AVAILABLE. ALL SPECIMEN MATERIAL TAGGED BY THE LANDSCAPE ARCHITECT FOR THIS PROJECT WILL BE AVAILABLE AT VALLEY CREST NURSERY, MOON VALLEY NURSERY, OR OTHER SOURCE EQUAL IN QUALITY. CONTRACTOR SHALL PURCHASE TAGGED MATERIAL, ARRANGE DELIVERY, PAY FOR SAME, AND INSTALL PER PLAN.
- THE LANDSCAPE ARCHITECT SHALL APPROVE THE LOCATION OF ALL OF THE ONE GALLON, FIVE GALLON, AND FIFTEEN GALLON PLANT MATERIAL AS APPROXIMATELY SPOTTED IN THE FIELD BY THE CONTRACTOR. ALL BOXED MATERIAL SHALL BE STAKED FOR LOCATION APPROVAL PRIOR TO PLANT PIT EXCAVATION. PRIOR TO PLANTING, THE OWNER'S REPRESENTATIVE WILL SELECT THE BEST SIDE AND FACE ALL SPECIMEN TREES.
- TREE TIES SHALL BE "TWIST-BRACE" AVAILABLE FROM 'V.I.T. COMPANY' OF ESCONDIDO, CA (619) 480-6702. INSTALL PER MANUFACTURER'S SPECIFICATIONS. USE WOOD SCREWS ONLY FOR WOOD STAKES, USE THRU BOLT FOR METAL STAKES.
- ALL GROUND COVER AS NOTED IN THE LEGEND SHALL BE ROOTED TIP CUTTINGS FROM FLATS OR LINERS UNLESS OTHERWISE SPECIFIED, AND SHALL BE PLANTED IN STAGGERED ROWS CONTINUOUSLY UNDER ALL TREES AND SHRUBS IN THE AREAS AS DESIGNATED ON THE PLANS AND AT THE SPACING INDICATED IN THE LEGEND. ALL GROUND COVER AND SHRUB AREAS SHALL HAVE A MINIMUM DEPTH OF 3" MULCH, TYPE PER PLAN (WOOD MULCH TO BE MAX. 1" IN DIAMETER).
- TO ALL PLANTING AREAS AND PRIOR TO IRRIGATION SYSTEM INSTALLATION, CROSS RIP OR OTHERWISE TILL 12" DEEP. AFTER CROSS RIPPING, ROTO-TILL SOIL PREP AMENDMENTS 6" DEEP (SEE SOIL PREP / BACKFILL NOTE).

**I Planting Notes** SCALE: N/A

**PLANTING NOTES CONT.**

- FOR BACKFILL AROUND TREES AND SHRUBS, USE THE FORMULA AS INDICATED IN THE SOIL PREP / BACKFILL NOTE. MIXING SHALL BE DONE AT ONE LOCATION.
- WEED ABATEMENT - TO ALL PLANTING AREAS, AFTER EARTHWORK, INSTALLATION OF IRRIGATION SYSTEM AND SOIL PREPARATION, THE FOLLOWING WEED ABATEMENT WORK SHALL BE DONE:
  - KEEP AREAS MOIST BY REGULAR IRRIGATIONS FOR A PERIOD OF TWO WEEKS (MINIMUM) TO GERMINATE EXISTING WEED SEEDS.
  - KILL WEEDS WITH CONTACT WEED KILLER PER LICENSED HERBICIDE AGENCY SPECIFICATIONS. AFTER COMPLETE WEED KILL, REMOVE WEED RESIDUE AND TOP GROWTH.
- PRE-EMERGENT PROGRAM - PRIOR TO INSTALLATION OF GROUND COVER, CONTRACTOR SHALL INSTALL A PRE-EMERGENT HERBICIDE, EPPTAM OR EQUAL, TO ALL PROPOSED GROUND COVER AREAS PER MANUFACTURER'S RECOMMENDATIONS.
- MAINTENANCE - THE CONTRACTOR SHALL MAINTAIN ALL PLANTED AREAS THROUGHOUT THE CONTRACT PERIOD. MAINTENANCE SHALL CONSIST OF PROPER WATERING, FERTILIZATION, WEEDING, AND GENERAL CLEAN-UP. PLANTS SHALL BE KEPT IN A HEALTHY GROWING CONDITION.
- PLANT ESTABLISHMENT PERIOD - THE PLANT ESTABLISHMENT PERIOD SHALL COMMENCE UPON THE OWNER'S AND THE LANDSCAPE ARCHITECT'S WRITTEN APPROVAL OF ALL PHASES OF PLANTING INSTALLATION AND SHALL BE FOR NINETY (90) CONTINUOUS CALENDAR DAYS. PLANT ESTABLISHMENT WORK SHALL INCLUDE THREE (3) FERTILIZER APPLICATIONS TO ALL PLANTED AREAS DURING THIRTY (30) DAY INTERVALS DURING THE PLANT ESTABLISHMENT PERIOD (REFER TO FERTILIZER PROGRAM NOTE FOR TYPE AND APPLICATION RATES).
- PLANT ESTABLISHMENT PROCEDURES - THE GENERAL CARE AND MAINTENANCE OF ALL AREAS SHALL CONSIST OF PROPER WATERING, FERTILIZATION, WEEDING, CLEAN-UP, AND AS FOLLOWS:
  - CULTIVATE AND WEED AT NOT LESS THAN TEN (10) WORKING DAY INTERVALS.
  - THREE (3) FERTILIZER APPLICATIONS PER NOTE ABOVE WITH FERTILIZER AT THE RATE AND FORMULA AS INDICATED IN THE SOIL PREP/BACKFILL NOTE.
  - CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEMS IN A LIKE NEW, OPERATING CONDITION, ADJUSTING HEAD HEIGHTS, THROW AND SPRAY ARCS AS NECESSARY.
  - THE CONTRACTOR IS RESPONSIBLE FOR PROPER WATERING OF ALL PLANTED AREAS, AND SHALL REPLACE ANY MATERIAL DAMAGED DUE TO IMPROPER MOISTURE. ANY CONCENTRATED DEVELOPMENT OF WEED GROWTH THAT MAY APPEAR IN PLANTING AREAS DURING PLANT ESTABLISHMENT PERIOD SHALL BE REMOVED AT THIRTY (30) DAY INTERVALS. THE CONTRACTOR MAY ELECT TO REMOVE SUCH CONCENTRATIONS OF WEEDS MANUALLY OR BY AN APPROVED HERBICIDE PROGRAM.
  - DURING THE COURSE OF THE MAINTENANCE WORK, THE CONTRACTOR SHALL REMOVE SURPLUS MATERIALS AND DEBRIS FROM THE SITE AND SHALL KEEP THE PREMISES IN A NEAT AND CLEAN CONDITION AT ALL TIMES.
  - DURING THE PLANT ESTABLISHMENT PERIOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE PROTECTION FOR ALL PLANTING AREAS. ANY DAMAGED AREAS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

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REVISIONS:




**PLANTING DETAILS**

SCALE: AS NOTED

