

SYMBOL	MANUFACTURER	MODEL	DESCRIPTION	DETAIL
●	RAINBIRD	44LRC	1" QUICK COUPLER WITH LOCKING COVER INSTALL IN CARSON VALVE BOX (OR EQUAL)	C
---	ANY APPROVED		PRESSURE PVC MAIN LINE - SCH. 40 FOR 1-1/2" AND UNDER, CL. 315 FOR 2" AND LARGER - SEE PLAN FOR SIZE	D
---	ANY APPROVED	SCH. 40	NON-PRESSURE PVC LATERAL LINE - SEE PLAN FOR SIZE	D
---	ANY APPROVED	SCH. 40	PVC SLEEVE - TWICE LINE SIZE	E

**NOTICE TO CONTRACTOR:**  
ALL IRRIGATION WORK TO BE REVIEWED  
IN THE FIELD BY EMILIO BLANCO,  
MAINTENANCE SUPERINTENDENT FOR  
THE CITY PRIOR TO FILLING IN  
TRENCHES OR HOLES.

ALL EXISTING IRRIGATION HEADS  
AND EQUIPMENT TO BE RELOCATED  
AND RE-INSTALLED OR REPLACED  
AS NEEDED TO ACCOMMODATE  
EXPANSION OF PLAY AREA.  
CONTRACTOR IS RESPONSIBLE FOR  
PROVIDING EQUAL COVERAGE TO  
EXISTING AND NEW TURF. NEW  
EQUIPMENT TO BE INSTALLED PER  
DETAILS B-E ON SHEET L-4.

TREES ON THIS SHEET - NOT PART OF THIS CONTRACT			
SYM	BOTANICAL / COMMON NAME	SIZE	QTY
○	PLATANUS ACERIFOLIA "BLOODGOOD" LONDON PLANE TREE	24" BOX	3
---	TURF - REPAIR DAMAGED AREAS WITH NEW SODDED TURF. TYPE: ST. AUGUSTINE.		

**TREE PROTECTION NOTES**

- "PROTECTED ZONE" FOR EXISTING TREES:** Before beginning any Demolition or Construction operations, the Contractor shall install temporary fencing around all existing trees within the Construction Zone that are to be saved. The fence shall be installed no closer to the tree than the edge of the tree's Protected Zone, generally defined as the area beginning five feet outside of the tree's dripline and extending towards the tree (or as far away from the trunk as practicable). The fencing shall be a minimum 4' High, Orange Round Mesh Safety Fence with all necessary supports and ties. All Contractors and their crews shall only be allowed inside this "Protected Zone" to conduct the work described in the plans and in accordance with these notes. At no time shall they be allowed to store or dump foreign materials within this area. All work within the Protected Zone shall be avoided except as described below. The fencing shall remain around each tree to be saved until the completion of construction operations. The Contractor is responsible for maintaining the fencing for the duration of the project, including complete replacement in the event of weather events, vandalism or other unforeseen circumstances. The protection of the trees is not negotiable and must be maintained at all times during Construction.
- TEMPORARY MULCH:** To alleviate soil compaction in anticipated areas of high construction traffic, and only where fencing cannot be set five feet outside of the dripline, the Contractor shall install a layer of mulch, 9"-12" thick, over all exposed earth from the tree trunk to 5' outside of the dripline. This layer shall be maintained at all times during construction. When planting operations are completed, the mulch shall be redistributed throughout all planting areas in a 4" thick "permanent" mulch layer.
- NECESSARY WORK:** When it becomes necessary to enter the "Protected Zone", such as for demolition, fine grading, irrigation installation, and planting operations, the Contractor shall strictly adhere to the following rules:
  - Every effort shall be made to preserve the existing grade around large trees in as wide an area as possible.
  - Trenching within the Protected Zone of existing trees shall be performed by hand, and with extreme care not to sever roots 1/2" in diameter and larger. Where roots 1/2" in diameter and larger are encountered, the Contractor shall tunnel under said roots. Exposed roots that have been tunneled under shall be wrapped in wet burlap and kept moist while the trench is open.
  - Where roots 1/2" in diameter or larger must be cut due to extensive grade changes, those roots must be exposed by hand digging and cut cleanly. Ragged cuts generally do not heal properly, and may leave the tree open to pests and pathogens.
  - Where trenching near trees has already occurred from previous construction operations, the Contractor shall make every effort to confine his trenching operations to the previously-created trenches, while adhering to the conditions set forth in 3B.
  - Removal of the turf within the Protected Zones should be conducted so that there is minimal disturbance to the tree root systems. Machine cutting and rototilling is not acceptable, as it can result in damage to the root systems.
- POTENTIAL CONFLICTS:** The Contractor shall notify the Owner and project Arborist should any potential conflicts arise between these Specifications and/or large roots encountered in the field, and Construction operations. The Contractor shall not take any action in such conflicts without the Arborist's written approval. The Arborist shall have final authority over all methods necessary to help ensure the protection and survival of existing trees.
- PRUNING:** Prune only the trees that are indicated on the Plans as requiring pruning. Prune trees according to International Society of Arboriculture / ANSI A300 Standards:
  - Remove all dead wood.
  - Prune live wood for health or structural reasons only, including the need to eliminate diseased or damaged growth, eliminate structurally unsound growth, reduce the potential for wind toppling or wind damage, or to maintain growth within limited space. Do not remove more than 25% of any tree's live foliage in any one growing season. Prune only to International Society of Arboriculture/ANSI A 300 Standards, and only under the direct supervision of a Certified Arborist.
  - Final cuts shall be made just outside the shoulder ring area. Extremely flushed cuts which produce large wounds and weaken the tree at the cut shall not be made.
  - All trimming cuts shall be performed in such a manner and promote the natural growth and shape of each tree species.
  - Improper pruning methods including, but not limited to, "topping", "tipping", "heading back", "dehorning", and "liontailing" will not be allowed.
  - Only sterilized tools shall be permitted for use in these operations.
  - Should the Contractor require more information, the Contractor shall contact the ISA at (217) 355-9411 for a copy of the ANSI A300 Pruning Standards. Contractor shall adhere to the methods and practices set forth in this document.

**IRRIGATION NOTES**

- BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT I.D. NUMBER BY CALLING 1-800-422-4133 TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED SO THAT UTILITY OWNERS CAN BE NOTIFIED.
- THE CONTRACTOR SHALL FLUSH THE SYSTEM INCLUDING VALVES FOR OPTIMUM COVERAGE WITH MINIMAL OVER SPRAY ONTO WALKS, STREETS, ETC.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE GRADE DIFFERENCES, LOCATION OF WALLS, AND UTILITIES.
- THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY HIS WORK. HE SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS UNDER ROADWAYS AND PAVING, ETC.
- ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- THE INTENT OF THE DESIGN IS TO PROVIDE ADEQUATE WATER TO ALL PLANTING AREAS. AS PART OF THE SCOPE OF WORK, CONTRACTOR SHALL PROVIDE AND INSTALL ANY ADDITIONAL HEADS, NOZZLES AND OTHER EQUIPMENT TO ACHIEVE PROPER COVERAGE WITH A MINIMUM OF RUN OFF AT NO ADDITIONAL COST TO THE OWNER.
- ALL EXPOSED PVC PIPE SHALL BE UV RATED OR COATED WITH AN APPROVED UV PROTECTIVE COATING.

**EXISTING IRRIGATION SYSTEM NOTE:**  
NO INFORMATION WAS PROVIDED TO THE CONSULTANT REGARDING THE EXISTING IRRIGATION SYSTEM. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY EQUIPMENT, CIRCUITING AND ALL OTHER ASPECTS OF THE EXISTING SYSTEM THAT WILL BE AFFECTED BY THE CONSTRUCTION OF THE NEW SYSTEM.

**NOTICE TO CONTRACTOR:**  
REFER TO TREE PROTECTION NOTES, THIS SHEET REGARDING EARTHWORKS NEAR EXISTING TREES.

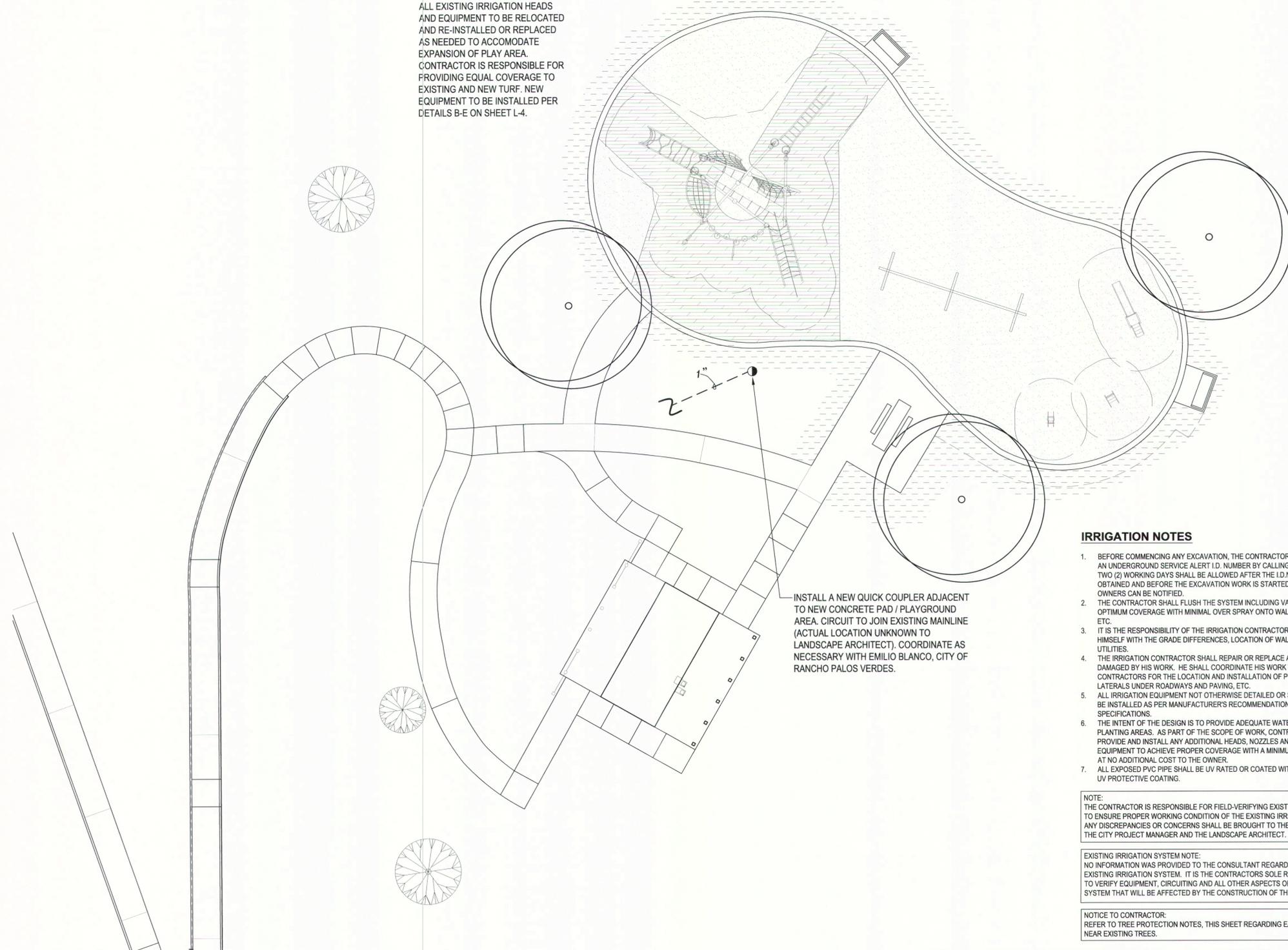
**PLANTING NOTES**

- DRAWING IS DIAGRAMMATIC: CONTRACTOR TO VERIFY ALL LOCATIONS AND CONDITIONS ON SITE. COUNT ALL PLANT MATERIAL BEFORE BIDDING.
- CONTRACTOR TO INSPECT ALL EXISTING CONDITIONS ON SITE AND LOCATE ALL EXISTING UTILITIES BEFORE CONSTRUCTION BEGINS.
- CONTRACTOR TO REPAIR AT HIS OWN EXPENSE ALL PROPERTY DAMAGE WHICH OCCURS DURING PROJECT INSTALLATION.
- NOTE ADDITIONAL REMARKS ON SPECIFIC PLANTS IN PLANT LIST.
- CONTRACTOR TO GUARANTEE ALL PLANT MATERIAL FOR 180 DAYS FROM DATE OF ACCEPTANCE BY OWNER.
- FINISH GRADE PLANTING AREAS TO BE 1" BELOW ALL WALKS, CURBS AND PAVING.
- THE FOLLOWING IS FOR BID PURPOSES ONLY. ALL LAWN AREAS SHALL RECEIVE THE FOLLOWING AMENDMENTS PER 1,000 SQ. FT. OF SURFACE AREA. ROTO-TILL AMENDMENTS TO A DEPTH OF 6".
  - 150 LBS. GRO-POWER
  - 3 CU. YDS. NITROGENIZED, MINERALIZED FIR BARK
  - ADD 8 LBS. OF GRO-POWER CONTROLLED RELEASE 12-8-8 PER CU. YD. OF MIX.
 SHRUB PLANTING AREAS TO RECEIVE THE FOLLOWING PER 1,000 S.F.:
  - 4 CU. YDS. "LEAF-POST", CAL-BLEND (800-425-3631) OR EQUAL.
 AMENDMENTS SHOWN ARE FOR BIDDING PURPOSES. OBTAIN SOILS SUITABILITY REPORT FROM A QUALIFIED LABORATORY. PROVIDE REPORT TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL AND AMENDMENT RECOMMENDATIONS.
- PLANT HOLE TO BE TWICE AS WIDE AS THE PLANT ROOT BALL. BACKFILL AND COMPACT TO 80% WITH 60% SOIL OF SITE AND 40% FIR BARK, UNLESS OTHERWISE NOTED. PROVIDE GRO-POWER PLANT TABLETS AT THE FOLLOWING RATES:
 

1 GAL.	2
5 GAL.	5
15 GAL.	10
24" BOX & UP	14

 PLACE RECOMMENDED TABLETS BETWEEN THE BOTTOM AND THE TOP OF THE ROOT BALL, BUT NO HIGHER THAN 1/3 OF THE WAY UP TO THE TOP OF THE ROOT BALL. SPACE TABLETS EQUALLY AROUND THE PERIMETER OF THE ROOT BALL APPROXIMATELY 2" FROM THE ROOT TIPS.
- CONTRACTOR TO INSTALL AND MAINTAIN LANDSCAPE PLANTING IN ACCORDANCE WITH THE GOVERNING AGENCY'S GUIDELINES AND SPECIFICATIONS UNLESS NOTED OTHERWISE IN THESE NOTES OR ON THE PLANS.
- REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION THIS SECTION OF WORK.

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INSTALL A NEW QUICK COUPLER ADJACENT TO NEW CONCRETE PAD / PLAYGROUND AREA. CIRCUIT TO JOIN EXISTING MAINLINE (ACTUAL LOCATION UNKNOWN TO LANDSCAPE ARCHITECT). COORDINATE AS NECESSARY WITH EMILIO BLANCO, CITY OF RANCHO PALOS VERDES.

# IRRIGATION AND PLANTING PLAN

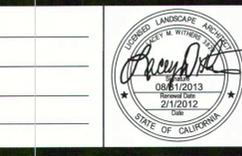


CITY OF RANCHO PALOS VERDES

DIRECTOR OF PUBLIC WORKS \_\_\_\_\_ DATE \_\_\_\_\_

NO.	DATE	DESCRIPTION	APPROVED

DESIGNED: LACEY WITHERS  
DRAWN: PEN/BAM  
CHECKED: LACEY WITHERS  
DATE: FEBRUARY 22, 2012



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**CITY OF RANCHO PALOS VERDES**

**EASTVIEW PARK PLAYGROUND & ACCESSIBILITY IMPROVEMENTS**

1700 WESTMONT DRIVE  
RANCHO PALOS VERDES, CA 90275

SHEET 3 OF 4

**L-3**