SHEET INDEX

- T1 TITLE SHEET LP1 PLANTING PLAN
- LP2 PLANTING NOTES AND SCHEDULE
- LP3 PLANTING DETAILS
- LP4 PLANTING SPECIFICATIONS
- LI1 IRRIGATION PLAN
- LI2 IRRIGATION NOTES AND SCHEDULE
- LI3 IRRIGATION DETAILS 1
- LI4 IRRIGATION DETAILS 2
- LI5 IRRIGATION SPECIFICATIONS

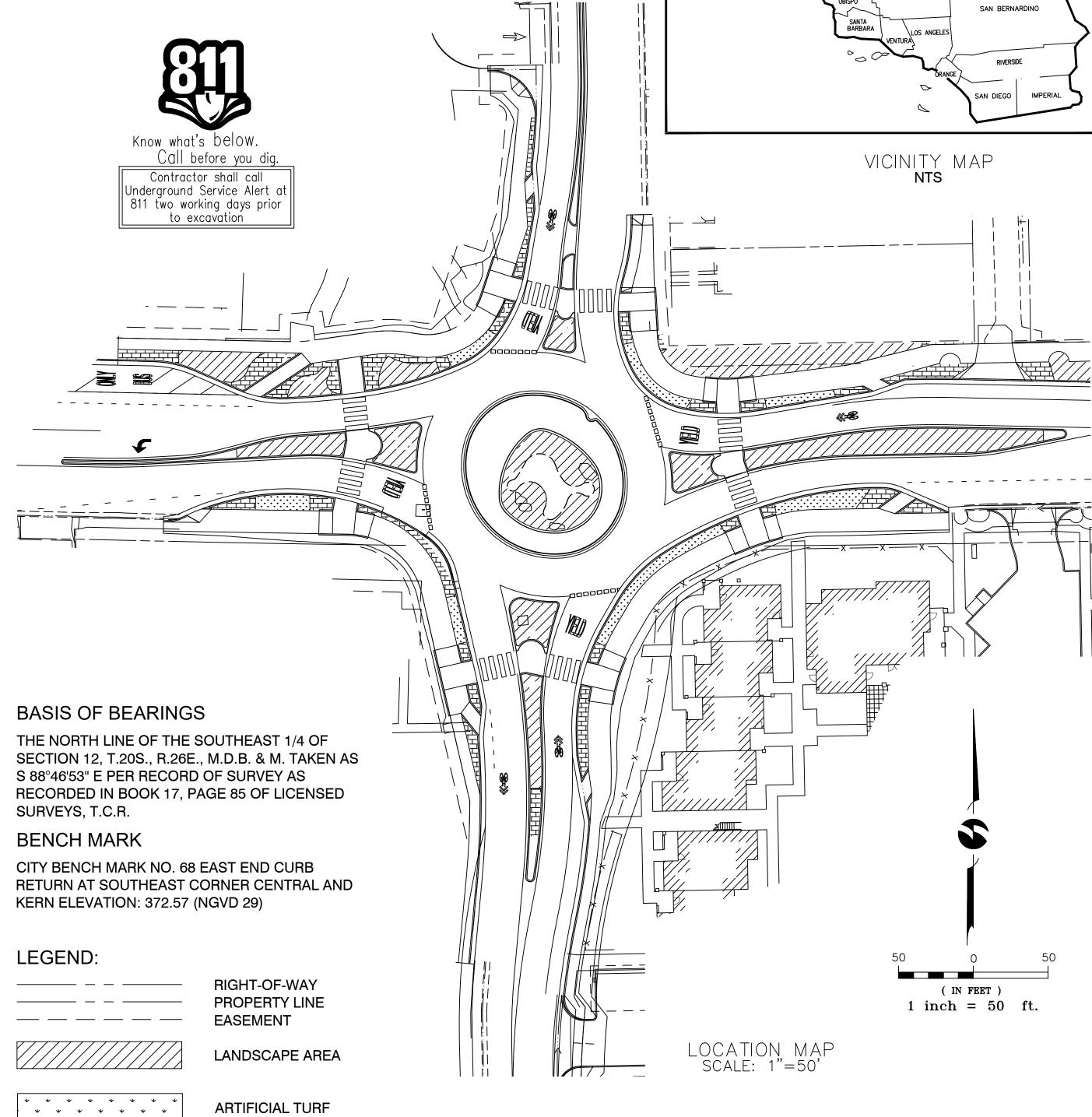
City of Lindsay

HERMOSA STREET/WESTWOOD AVENUE ROUNDABOUT LANDSCAPE PROJECT

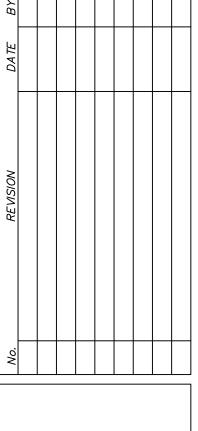
DEL NORTE SISKIYOU MODOC TENAMA PLUMAS MENDOCINO GLENN BUTTE SERRA NEVADIDA FLACER LASSEN PLACER LACER LACER SONGMA MARY VOLO SONGMA MARY VOL

GENERAL LANDSCAPE NOTES

- 1. SEE LANDSCAPE IRRIGATION AND PLANTING SPECIFICATIONS CONTAINED WITHIN THIS SET OF DRAWINGS. THE CONTRACTOR SHALL CONFORM TO ALL CONDITIONS AND REQUIREMENTS CONTAINED WITHIN. THE CONTRACTOR SHALL HAVE AVAILABLE ON THE JOB SITE AT AL TIMES THE CONSTRUCTION ISSUE DRAWINGS AND SPECIFICATIONS FOR INSPECTION BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL ATTACH TO THE DRAWINGS ALL OFFICIAL / APPROVED ADDENDUM AND / OR CHANGE ORDERS RELATIVE TO THE LANDSCAPE INSTALLATION IN CHRONOLOGICAL ORDER.
- 2. THE CONTRACTOR SHALL EXAMINE THE SITE, COMPARE IT WITH THE PLANS AND SPECIFICATIONS AND SATISFY ONE'S SELF AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED BEFORE ENTERING INTO THIS CONTRACT.
- 3. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS IS APPROXIMATE OR PER THE PROPOSED CIVIL PLANS. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL UNDERGROUND FACILITIES. HOWEVER, GHD ASSUMES NO LIABILITY FOR THE ACCURACY OR COMPLETENESS OF THE FACILITIES SHOWN HERE OR FOR THE EXISTENCE OF OTHER UNDERGROUND UTILITIES OR OBJECTS WHICH MAY BE DISCOVERED BUT ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ANY EXISTING UTILITIES BEFORE COMMENCING WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO "POTHOLE" ALL EXISTING FACILITIES AS NEEDED TO DETERMINE THE DEPTH AND DIRECTION OF UNDERGROUND FACILITIES. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO "POTHOLE" ALL EXISTING FACILITIES FAR ENOUGH AHEAD OF CONSTRUCTION (300 FT. MIN.) TO ALLOW FOR VERTICAL ADJUSTMENTS IN GRADE TO AVOID CONFLICTS WITH EXISTING FACILITIES. ALL FIELD ADJUSTMENTS SHALL BE ACCOMPLISHED AT THE SOLE EXPENSE OF THE CONTRACTOR. CONTRACTOR SHALL ALSO NOTIFY UNDERGROUND SERVICE ALERT PRIOR TO BEGINNING ANY WORK ON SITE.
- 4. THE CONTRACTOR SHALL ESTABLISH THE LIMIT OF WORK AND CLEARLY STAKE THE AREA IN THE FIELD AS APPROVED BY THE CITY.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING SIDEWALKS, STREETS, SIGNS, ETC. ASSOCIATED WITH THIS PROJECT AND SHALL REPAIR SUCH DAMAGE TO THE SATISFACTION OF THE GOVERNMENT AGENCY, OR OWNER, AT NO EXTRA COST TO THE OWNER.
- 6. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH UTILITY COMPANIES, AND THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TEMPORARY UTILITIES NECESSARY DURING CONSTRUCTION AND DURING THE MAINTENANCE PERIOD.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE AND THE ASSOCIATED STREETS CLEAN AND FREE FROM RUBBISH AND DEBRIS. THE CONTRACTOR SHALL ALSO ABATE DUST NUISANCE BY CLEANING, SWEEPING, AND SPRINKLING WITH WATER, OR OTHER MEANS AS NECESSARY. THE USE OF WATER RESULTING IN MUD ON PUBLIC STREETS WILL NOT BE PERMITTED AS A SUBSTITUTE FOR SWEEPING OR OTHER METHODS.
- 8. THE CONTRACTOR SHALL COMPLY WITH CALTRANS STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL/CONSTRUCTION AREA SIGNAGE, IF NEEDED FOR THIS PROJECT.
- 9. COORDINATE ELECTRICAL NEEDS FOR IRRIGATION CONTROLLER AND OTHER ELECTRICAL IRRIGATION COMPONENTS AS NEEDED.



(E) STAMPED CONCRETE



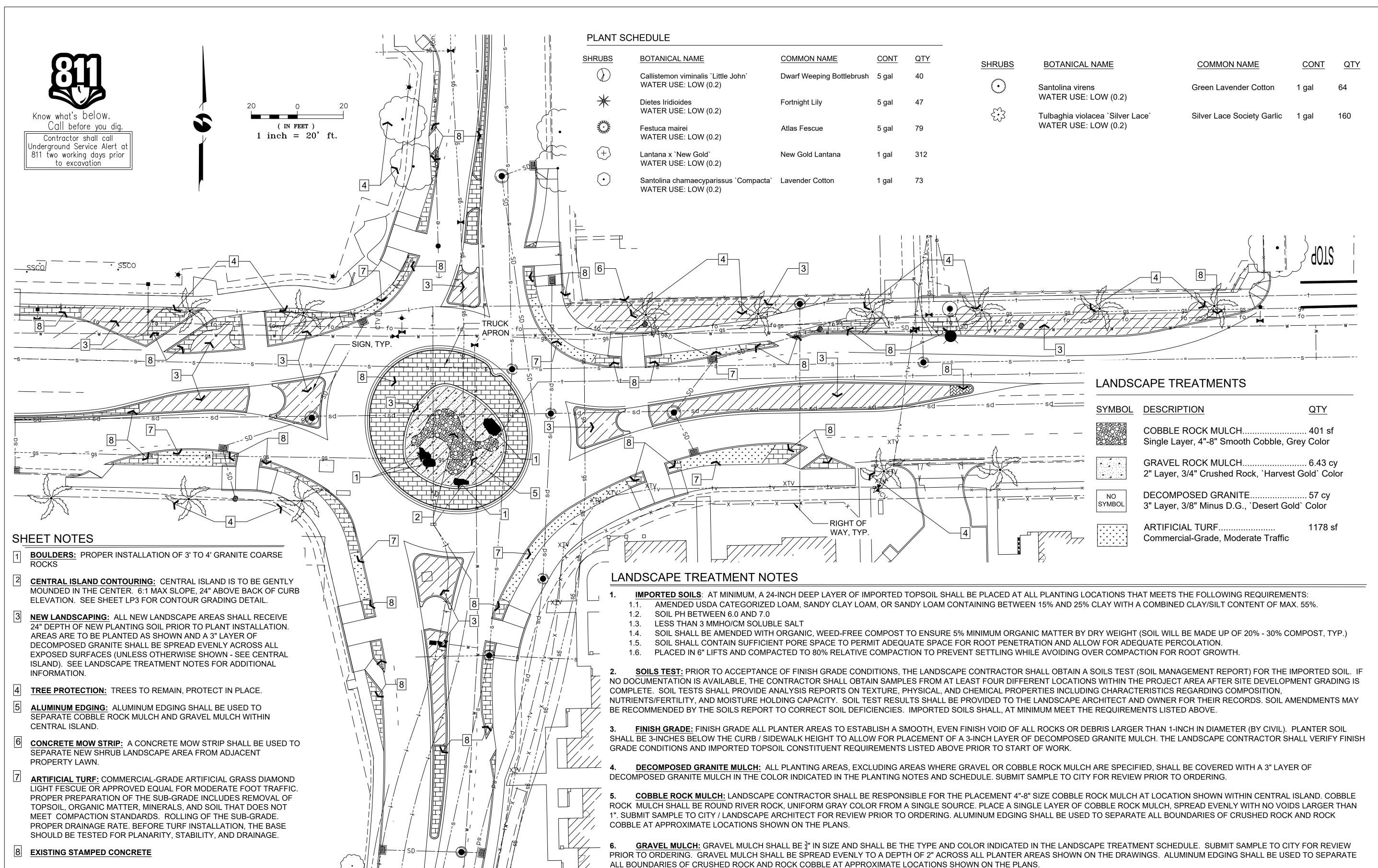
SAN LUIS OBISPO
Son Luis Obispo, CA 993401
(865) 242-0461

WWW. OMITM COMMAN SAN LUIS OBISPO & NAPA

A St/ WESTWOOD Ave ROUNDABOU LANDSCAPE PROJECT CITY OF LINDSAY

LINDSAY CALIFORNIA

SCALE	AS SHOWN
JOB NO.	CS21-1
DESIGNED	LRP
DRAWN	LRP
FILE	
UPDATED	EG
DATE	10/06/2020
	T1



No. REVISION DATE BY

Original Work by

Omnime and SAN LUIS OBISPO
689 Pacific Street, Suite A
San Luis Obispo, CA 993401
San Luis Obispo, CA 993401
WAINUT CREEK
WWW.COMINGORIS.COM

PLANTING PLAN

AOSA St/ WESTWOOD Ave ROUNDABOUT

LANDSCAPE PROJECT

CITY OF LINDSAY

LINDSAY CALIFORNIA

SCALE	1"=10'	
JOB NO.	CS21-1	
DESIGNED	LRP	
DRAWN	LRP	
FILE		
UPDATED	EG	
DATE	10/06/2020	
	•	

LP1

2 OF 10

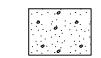
PLANT SCHEDULE

SHRUBS	BOTANICAL NAME	COMMON NAME	CONT	<u>QTY</u>
	Callistemon viminalis `Little John` WATER USE: LOW (0.2)	Dwarf Weeping Bottlebrush	5 gal	40
*	Dietes Iridioides WATER USE: LOW (0.2)	Fortnight Lily	5 gal	47
manner of the second of the se	Festuca mairei WATER USE: LOW (0.2)	Atlas Fescue	5 gal	79
+	Lantana x `New Gold` WATER USE: LOW (0.2)	New Gold Lantana	1 gal	312
loop	Santolina chamaecyparissus `Compacta` WATER USE: LOW (0.2)	Lavender Cotton	1 gal	73
£	Santolina virens WATER USE: LOW (0.2)	Green Lavender Cotton	1 gal	64
	Tulbaghia violacea `Silver Lace` WATER USE: LOW (0.2)	Silver Lace Society Garlic	1 gal	160

QTY

MULCH SCHEDULE

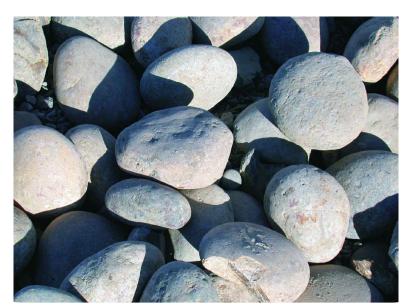
SYMBOL DESCRIPTION



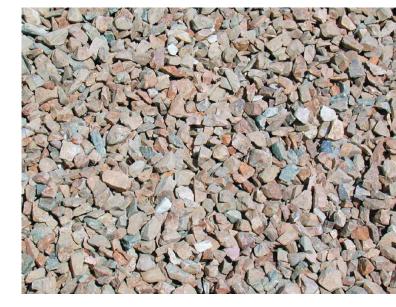


DECOMPOSED GRANITE...... 57 cy 3" Layer, 3/8" Minus D.G., `Desert Gold` Color

MULCH TYPE AND COLOR EXAMPLES (Provide samples prior to order)







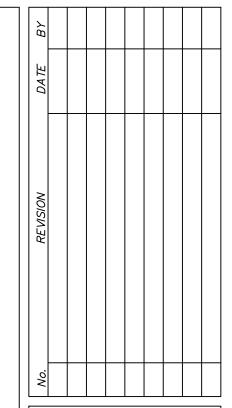
GRAVEL ROCK MULCH



DECOMPOSED GRANITE

GENERAL PLANTING NOTES

- 1. QUANTITIES: THE PLANT QUANTITIES ARE PROVIDED FOR THE CONVENIENCE OF THE OWNER. THE CONTRACTOR SHALL VERIFY ALL PLANT COUNTS LISTED AND SHOWN ON PLANS. IF A DISCREPANCY EXISTS, THE PLANS SHALL GOVERN. NOTIFY LANDSCAPE ARCHITECT IF MATERIALS ARE NOT AVAILABLE AS SPECIFIED. ALL SUBSTITUTIONS ARE SUBJECT TO THE WRITTEN APPROVAL OF THE PROJECT LANDSCAPE ARCHITECT.
- 2. PRE-EMERGENT: A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL LANDSCAPED AREAS BEFORE APPLYING SURFACE MULCH. THE LANDSCAPE CONTRACTOR SHALL OBTAIN A PEST CONTROL ADVISOR (PCA) WRITTEN RECOMMENDATION PRIOR TO APPLICATION. ALL HERBICIDES SHALL BE APPLIED BY A QUALIFIED APPLICATOR.
- 3. PLANT LOCATIONS AND SPACING: PLANTS SHALL BE INSTALLED AT LOCATIONS SHOWN. PLANT LOCATIONS ADJACENT TO CURBS AND SIDEWALKS SHALL BE PLANTED AT A DISTANCE OF NO CLOSER THAN $\frac{1}{2}$ THE FULL GROWN WIDTH OF THE SPECIES INSTALLED.
- 4. <u>INERT MATERIAL:</u> SEE PLANTING PLAN SHEET LP1 FOR INERT MATERIAL (COBBLE, GRAVEL, AND DECOMPOSED GRANITE MULCH) PLACEMENT LOCATIONS, MATERIAL REQUIREMENTS, AND INSTALLATION. REFER TO THIS SHEET FOR EXAMPLES OF MULCH TYPE AND COLOR.
- 5. INERT MATERIAL LAYOUT: THE LAYOUT OF THE INERT MATERIAL IS APPROXIMATE. EVERY EFFORT SHOULD BE TAKEN TO STAKE / MARK BOUNDARIES OF DIFFERENT COBBLE ROCK, GRAVEL ROCK, AND DECOMPOSED GRANITE MULCH IN THE FIELD AS CLOSE TO THE LOCATIONS SHOWN ON THE PLANS. MARKED BOUNDARIES SHALL BE APPROVED BY THE CITY / LANDSCAPE ARCHITECT TO VERIFY CORRECT LAYOUT AND SPACING OF MATERIAL AND BOUNDARIES.
- 6. EDGING: SEE PLANTING PLAN SHEET LP1 FOR EDGING TYPE AND LOCATION. SEE SHEET LP3 FOR INSTALLATION DETAILS.
- 7. <u>SITE MAINTENANCE:</u> THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE AND THE ASSOCIATED STREETS CLEAN AND FREE FROM RUBBISH AND DEBRIS. THE CONTRACTOR SHALL ALSO ABATE DUST NUISANCE BY CLEANING, SWEEPING, AND SPRINKLING WITH WATER, OR OTHER MEANS AS NECESSARY. THE USE OF WATER RESULTING IN MUD ON PUBLIC STREETS WILL NOT BE PERMITTED AS A SUBSTITUTE FOR SWEEPING OR OTHER METHODS.
- 8. NOTICE: 48 HOUR NOTICE SHALL BE GIVEN BY THE CONTRACTOR WHERE APPROVAL OF THE CITY / LANDSCAPE ARCHITECT IS REQUIRED IN THE FIELD.
- 9. SPECIFICATIONS AND DETAILS: REFER TO THESE DRAWINGS FOR ADDITIONAL PLANTING SPECIFICATIONS AND DETAILS. SEE PLANT DETAIL SHEET LP3 AND PLANTING SPECIFICATIONS SHEET LP4.

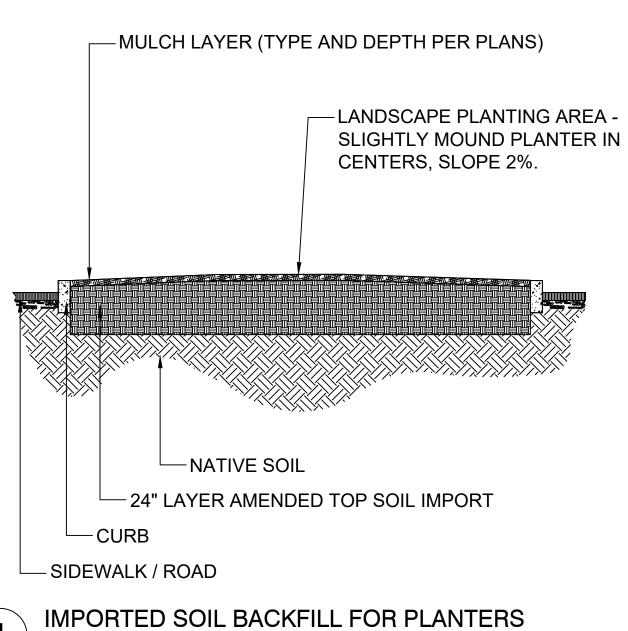


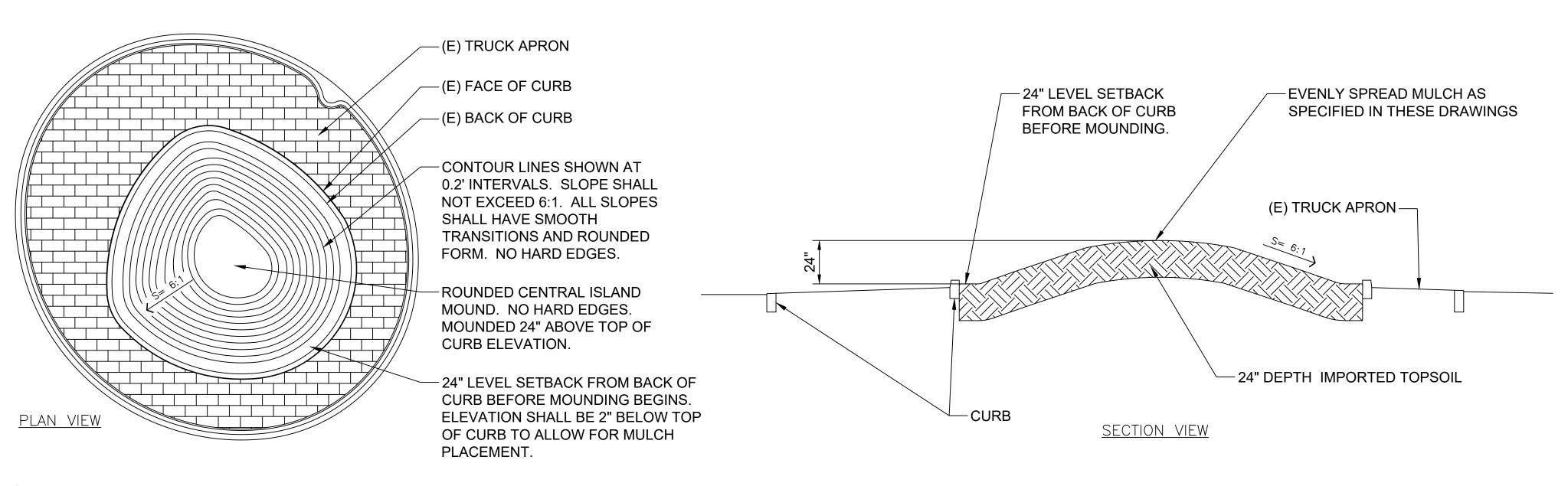
Original Work by
Omnimeans

PLANTING NOTES AND SCHEDUL,
HERMOSA St/ WESTWOOD Ave ROUNDABOUT
LANDSCAPE PROJECT

LINDSAY CALIFORNIA

SCALE	AS SHOWN
JOB NO.	CS21-1
DESIGNED	LRP
DRAWN	LRP
FILE	
UPDATED	EG
DATE	10/06/2020





P-HE-03

EXISTING LAWN TO REMAIN

- P.C. CONCRETE,

#3 REBAR CONTINUOUS.

LAP 24" AT JOINTS.

COMPACTED SUBGRADE.

5 SACK MIX AT 2500 PSI.

CENTRAL ISLAND MOUND CONTOURING

ALUMINUM EDGE TO SEPARATE CLEANLINE ALUMINUM EDGING DIFFERENT MULCHES AT ALL **BOUNDARY EDGE LOCATIONS** TOP OF EDGING TO BE MAXIMUM SHOWN ON PLANS. OF ½" ABOVE SURFACE MATERIAL BED MEDIA OR AGGREGATE COMPACT GRADES ADJACENT TO $\frac{3}{16}$ " X $5\frac{1}{2}$ ", 0.116" THICK WITH 0.187" EDGING TO AVOID SETTLING FINISHED GRADE. EXPOSED TOP LIP, MILL FINISH NATURAL ALUMINUM NOTES: 12" ALUMINUM STAKES TO LOCK INTO PREFORMED LOOPS ON THE 1. INSTALL PER MANUFACTURER'S "INSTALLATION GUIDELINES" **EDGING** 2. 8'-0" SECTIONS TO INCLUDE (3) 12" ALUMINUM STAKES. 3. 16'-0" SECTIONS TO INCLUDE (5) 12" ALUMINUM STAKES. ROOTBALL 4. CORNERS - CUT BASE EDGING UP HALFWAY AND

6" CONCRETE MOW STRIP

¹/₂" TOOLED EDGE —

MULCH

FINISHED GRADE

ALUMINUM LANDSCAPE EDGING

FORM A CONTINUOUS CORNER.

P-HE-05

SHRUB PLANTING

Original Omnime

OD Ave ROUNDABC PROJECT NDSAY DE St/ WESTWOOL LANDSCAPE P HERMOSA

SET ROOTBALL CROWN 1" HIGHER

FINISHED GRADE.

- MULCH TO DEPTH

FERTILIZER TABLETS

BACKFILL MIX, AS PER

COMPACTED. MUST

NATIVE SOIL MIX FIRMLY

DRAIN WITHIN 2-HOURS.

ROOTBALL.

SPECIFIED

THAN SURROUNDING

BACKFILL AWAY FROM

- SLOPE FINISHED GRADE AT

LINDSAY **CALIFORNIA**

SCALE	AS SHOWN				
JOB NO.	CS21-1				
DESIGNED	LRP				
DRAWN	LRP				
FILE					
UPDATED	EG				
DATE	10/06/2020				
I D2					

<u>PLANTING</u>

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. The work included under this Section consists of providing all necessary soil preparation and amending, finish an fine grading, furnishing and planting of all trees, shrubs, and ground cover, application of pre—emergent herbicide, mulching, maintenance, and all other materials, labor, and equipment required to complete the work indicated on the Planting Plans.

1.02 RELATED SECTIONS:

A. Section - Irrigation System: Provision of automatic irrigation system.

1.03 QUALITY ASSURANCE

- A. Alternates: Verify whether alternates as specified affect the work of this Section.
- B. Contractor is to provide the Owner's Representative with copies of all Project material invoices and retain all empty material containers for count.
- C. The Contractor shall furnish, without any extra charge, any additional material and labor when required by the compliance on these Specifications and Drawings.
- D. The Contractor shall erect and maintain barricades, guards, warning signs, and lights as necessary or required for
- the protection of the work, the workmen, and public. E. Any existing buildings equipment, piping, sewers, sidewalks, landscaping or other Site improvements damaged by the
- Contractor during the course of his work shall be replaced or repaired by the Contractor in a manner satisfactory to the Engineer and at the Contractor's own expense, and before the final payment is made.
- F. Contractor shall obtain and pay all fees, licenses, and permits required for this portion of the Project work.
- G. Before making bid, examine the Site carefully, verifying dimensions and other Site conditions in relation to the Plans. The Contractor is responsible for informing himself of all conditions under which work is to be done before
- H. When conditions detrimental to planting of trees, shrubs, and ground cover are encountered notify Owner's Representative before proceeding with work.
- I. Contractor to verify quantities shown in the Plant List to assure conformance with Landscape Drawings. Bring any discrepancies to the attention of the Owner's Representative.
- J. For standard products, the manufacturer's analysis quarantee will be accepted. For all other materials, analysis will
- be a recognized laboratory as required by the Owner's Representative. K. All plants shall be true to type and name in accordance with the current edition of Standardized Plant Names,
- Second Edition, and of size and caliper as shown in the Plant List. L. Provide trees, shrubs, and other plants of size, genus, species and variety shown on Project Plant List and
- complying with recommendations and requirements of ANSI-Z60.1-90 American Standard for Nursery Stock. M. Plantings shall be performed by personnel familiar with planting procedures and under the supervision of a qualified
- planting foreman. The planting foreman shall be on the job Site whenever planting is in progress.
- N. No extra work shall be done without prior written approval of the Owner's Representative. O. Contractor shall coordinate his work with that of any other Contractors working in, and adjacent to, the areas
- included in the Project work, and coordinate with these Contractors in performance of this work.
- P. All work shall be in strict accordance with sound horticultural practice and shall include maintenance and watering of all materials installed in the Contract until final acceptance by the Owner's Representative.
- Q. Keep the job Site free from accumulations of waste material or rubbish resulting from this work. At the completion of the work, the Contractor shall remove all rubbish tools, and surplus materials, and shall leave the completed project neat and orderly.

1.04 JOB CONDITIONS

- A. Proceed with and complete planting work as rapidly as portions of Site become available, working with seasonal
- B. Determine locations of underground utilities and perform work in a manner which will avoid possible damage. Hand excavate, as required.
- C. Maintain grade stakes set by other until removal is mutually agreed on by parties concerned.
- D. Contractor shall verify the extent that the Project engineered fill extends into the planting areas. Where the engineered fill material is in conflict with sound horticultural practice, the contractor is to confer with the Owner's Representative to ascertain to what extent the engineered fill, in the planting areas, can be removed. The Landscape Contractor will be responsible for the removal of whatever engineered fill that is a problem and is agreed to by the Owner's Representative.
- E. Before making bid, examine the Site carefully, verifying dimensions and other Site conditions in relation to the Plans. The Contractor is responsible for informing himself of all conditions under which work is to be done before submitting his bid.

PART 2 - PRODUCTS

2.01 TREES, SHRUBS, AND GROUND COVER

- A. Plant materials shall be supplied in sizes as indicated in the Plant List. Container stock shall be well established in the container and the roots shall not have grown beyond the limits of the container, nor shall they be root bound. All plants shall have normal or average branching systems and shall be first class representatives of their species in the appearance of healthy, vigorous growth. Plants shall be free of pests and disease and disfiguring injury. Trees shall be select and choice material, with symmetrical and full rounded heads appropriate for the species.
- B. All plant materials delivered to the Site must conform to the Specifications of Federal, State and County laws, requiring inspection for plant diseases and insect infestations. Any inspection certificates required by law must accompany each shipment when plant materials arrive at the Site.
- C. Plants delivered to the Site shall be adequately protected from the sun and wind during delivery and then stockpiled on the Site prior to planting. They shall be watered adequately. Containers shall be free of weeds or grasses.
- D. Substitutions are not permitted except on proof that plant specified is not available. Request for substitution must be made in writing to the Landscape Architect. No additional charge shall be made for substitutions except by the written authorization of the Landscape Architect.
- E. The Landscape Architect shall be notified in writing, one week prior to planting, to inspect all or major portions of the plant materials to be used in the Project, if requested by owner or Architect.
- F. The Landscape Architect shall be the final arbitrator in decisions regarding identification and nomenclature.
- G. The Landscape Architect shall have the right to reject plants prior to and during the progress of work for size, conditions of top structure, conditions of root structure, defects or injuries or nonconformity to Specifications.

2.02 SOIL AMENDMENTS

- A. Fir Bark soil amendment:
- 1. Physical properties: 0 inches to 1/4 inches
- 2. Source: Fir or Pine bark
- 3. Nitrogen content (dry weight basis): minimum 0.5%
- 4. Dry bulk density: 450-580 #/ cubic yards 5. Iron content (dry weight basis): minimum 0.08% dilute acid soluble iron
- 6. Salinity (ECe) maximum 4.0 millimhos I centimeter @ 25 degrees C.
- 7. Organic content: Minimum 90% of dry weight by ash method
- 8. Reaction (ph) minimum 4.0
- B. Pelletized fertilizer 6-20-20
- C. Soil Sulfur
- D. Dolomite Lime

2.03 FERTILIZERS

- A. Agriform planting tables, as manufactured by Sierra Chemical. 21 gram size with 20-10-5 analysis.
- B. Commercial fertilizer, as manufactured by Best Fertilizer Co. with a 16-6-8 + iron analysis.

2.04 EXISTING TOPSOIL

A. It will be the Landscape Contractor's responsibility to provide all labor and equipment to remove all site topsoil spoils and dig-out as may be required to complete the finish the fine grading work.

2.05 TREE STAKES, TIES and ROOT BARRIERS

- A. Tree stakes shall be 2 inches diameter x 8 feet long, treated lodge pole stakes, free from knots and splits.
- B. Tree ties shall be "Cinch—Ties", length as required, as manufactured by V.I.T. Products, Inc. or equal.
- C. All trees planted within 4' of paving, buildings, walls, and/or utility equipment shall receive high impact root barriers per detail this plan set.

2.06 PRE-EMERGENT HERBICIDE(S)

A. The pre-emergent herbicide is to be one that has proven successful in the local area, is recommended by a license Pest Control Advisor and has the approval of the Owner's Representative.

2.07 FIR BARK MULCH

- A. Bark mulch shall be wood residual derived and manufactured from Pine, White and/or Red Fir Tree bark. The material shall be equal to that referred to as 'Walk on Bark' in the trade.
- B. Install 3" depth fir bark mulch at all locations identified on the plans.

2.08 DECOMPOSED GRANITE AND GRAVEL ROCK MULCH

- A. Decomposed granite is to be 1/4" inch minus size placed at a minimum depth of 3". Install at locations and extents shown on the plans. Type and color shall be same as indicated on the plans.
- B. Gravel is to be 3/4" minus size. install to a minimum depth of 2". install at locations and extents shown on the plans. Type and color shall be the same as indicated on the plans.
- D. Provide samples for each material type for approval of the owner's representative.

- A. Cobble rock is to be 4"-8" inch size placed as a single layer spread evenly without void larger than 1" in any direction. Install at locations and extents shown on the plans. Type and color shall be same as indicated on the
- B. Provide samples for each material type for approval of the owner's representative.

PART 3 - EXECUTION

3.01 SOIL PREPARATION AND AMENDING

- A. Thoroughly cultivate all planting areas to a depth of eight (8) inches.
- B. Rough finish grade all areas.
- C. Broadcast soil amendments in accordance with the recommendations from the soil management report.
- D. Cultivate and thoroughly incorporate the amendments into the top eight (8) inches of soil.
- E. De-rock area to be planted by using a mechanical rock picker. All rocks larger than 1-inch in diameter are to be removed.

3.02 FINISH GRADING

- A. Fine grade areas to a smooth even surface, with loose uniform texture. Rake and drag areas to remove ridges and fill depressions as required to meet finish grades. Limit fine grading to areas which can be planted immediately after grading.
- B. The finish grade of all shrubs and/or ground cover planting areas is to be 3 inches below the top of all adjacent concrete walks, curbs, and asphalt paving.
- C. Remove all debris, exposed rocks, and compacted soil clods 1 inch in diameter or larger, from all planting areas. Use a mechanical rock picker for this work. All finish grades shall be subject to the approval of the Engineer.

3.03 PLANTING OF TREES AND SHRUBS

- A. The planting work shall be deferred until earthwork, construction, irrigation, soil preparation and finish grading work has been completed.
- B. No planting shall occur during unfavorable weather conditions or when the soil is excessively wet, as determined by the Owner's Representative.
- C. Stake or spot all plant locations, as shown on the Planting Plans. Obtain approval of plant locations, by the
- Owner's Representative or Landscape Architect, prior to commencement of planting.

D. Planting Procedure:

- 1. Excavate plant holes to the dimensions indicated on Planting Plans. Refer to Planting Details. Planting areas are not to be over compacted after cultivation shall be free of deleterious material, including construction debris, rocks sticks and dirt clods larger than 1—inch . Scarify all plant hole sides. Plant hole back fill mix shall consist of pulverized native soil free of roots, sticks, and stones larger than 1—inch in diameter, mixed with 1—CY of compost.
- 2. Excavated pits (2—times the container size) shall have positive drainage within 2—hours when fully flooded with water. Contractor to demonstrate to Owner' Representative that plant holes drain in 2-hours before planting may commence. Contractor shall correct deficient drainage utilizing drilled drain holes filled with 3/4" drain rock. Depth of drain holes as needed.
- 3. Add and firm backfill soil to bring the plant root ball to the proper planting elevation. The backfill soil is to consist of the excavated site topsoil with all rocks larger than 1 inch diameter removed from backfill soil. Use unconditioned site topsoil for backfill below the 8 inch depth which has been limed by premixing one (1) cubic yard of site topsoil with organic compost.
- 4. All plant material is to be removed from containers by approved methods. Loosen the bottom and sides of the exposed root ball and unwind or cut any circling roots. Protect root ball from the drying effects of sun and
- 5. Place plant in the center of the excavation and adjust root ball elevation so that top of root ball is one (1) inch above the level of the surrounding soil grade.
- 6. Complete the backfilling of the root ball with light tamping as the backfill soil is placed.
- 7. Add 21-gram size Agriform (20-10-5) planting tablets to the backfill of all plant material. Reference planting details on plan. Plant Container Size #1, #2, #5, #15, 24—inch box: 1, 2, 3, 5, 5, tablets required respectively.
- 8. Construct a water retention basin around each plan, 4" high for trees and 3" high for shrubs. Water newly installed plant immediately / thoroughly to settle the backfill soil. Add backfill as required by settling.
- 9. After planting is complete, spread <u>wood</u> mulch to a minimum depth of 3—inches. <u>Wood</u> mulch shall be aged nitrogen fortified redwood, cedar, or fir woods chips and bark, three—inch (3") minus in size, and shall contain a minimum of one percent (1%) available nitrogen. Contractor shall submit a sample of the bark mulch to the Owner and Landscape Architect for review and approval.

3.04 TREE STAKING AND GRASS-FREE AREA

- A. All trees are to be staked as per the Tree Staking Details occurring on the Planting Plans.
- B. Care is to be exercised to maintain tree stakes in the proper horizontal alignment, and vertically to be set plumb.
- C. Leave a 24 inch diameter grass—free circle around tree trunks occurring in grass areas. Cover over with a 3" depth

3.05 PLANT MATERIAL GUARANTEE

- A. The Contractor shall guarantee all plant material from latent defects, disease or death, and injury for a period of twelve (12) months after final acceptance of the total Project by the Owner's Representative.
- B. The Contractor shall promptly replace, at no additional cost, plants that are not in a vigorous, healthy, growing condition. Replacement shall be of the same kind and size as originally specified and shall be planted as described on the Planting Plans and in these Specifications.
- C. This guarantee does not include plant loss, due to physical damage or neglect during normal maintenance, by others, subsequent to the end of the project contract maintenance period.

3.06 OBSERVATION AND ACCEPTANCE

- A. After all plants have been installed, the Owner's Representative will make a preliminary observation.
- 1. Upon preliminary observation and approval of the work, a ninety (90) day calendar day maintenance period will
- 2. If any plants or work are not approved, immediate replacement and/or repair will be made and regular maintenance then continued for ninety (90) days after replacement.
- B. Final observation will be made at the end of the ninety (90) day maintenance period. C. Submit written notice requesting this observation at least one week in advance.
- I. Plant basins shall be repaired, all plantings given a final watering, and the job cleared of all weeds and debris and presented in a neat and orderly fashion.
- 2. The work, exclusive of the replacement of plant materials, shall be accepted by the Owner's Representative upon completion of the ninety (90) day maintenance period and upon written approval of the work by the Owner's Representative.

- 3. Clean paved areas by sweeping and/or washing. Remove any defacement or stains caused by work of this
- 4. Remove construction equipment, excess materials, tools, debris, and rubbish.
- 5. Repair any existing property damaged or areas altered due to work of the landscape planting.

3.07 INSTRUCTIONS TO THE OWNER

A. Full and complete typewritten instructions for long term maintenance of the landscaping are to be furnished to the Owner's Representative at least 10 days prior to the end of the Contractor's maintenance period. The Owner may retain final payment if this item is not completed.

3.12 GENERAL CLEAN-UP

- A. During the process of the work, the Site shall be kept in a reasonably neat and clean condition, free from the accumulation of cans, surplus materials, and waste materials.
- B. Upon completion of the work, remove all equipment, dispose of all waste, refuse, or debris resulting from this work, and leave the premises in a neat and clean condition.
- C. All planting areas shall be neatly dressed and finished and all walks, paved areas, curbs, and gutters flushed clean to the satisfaction of the Owner's Representative.

3.08 PLANTING MAINTENANCE

- A. Provide all necessary maintenance during specified maintenance period, including but not limited to, watering, weeding, replanting, fertilizing, treatment of diseases and pests, and protection from rodents, and people
- I. Check all tree ties and adjust if too tight or too loose. Remove all nursery stakes and ties.
- 1. Provide supplementary deep watering for trees at one month intervals during maintenance period, using a slowly trickling water hose. Fill planting basins, let water soak in, and refill.
- 3. Replace any plants not in a healthy and thriving condition
- 4. Arrange watering schedule to avoid wetting of foliage when exposed to hot sunlight.
- 5. Keep planting basins in good repair and free of weeds.
- 6. Plants blown over shall be replanted and re-staked, or replaced if damaged. 7. Protect all plants against damage from any source. Treat or replace all damaged trees during the maintenance
- 8. Re-set any plants where root crowns have settled below adjacent finish grade or where tree trunks are leaning from vertical position.
- 9. Prune only to remove broken twigs, unbalanced branching conditions or suckers.
- 10. At conclusion of maintenance period, re-surface planting beds as needed with a fresh layer of mulch to maintain the required depth.

PART 4- CLOSEOUT PROCEDURES

4.1 DESCRIPTION

A. The work includes, but is not necessarily limited to, performing all operations necessary for and properly incidental to closing out the project and assisting in Owner's final inspection as hereinafter specified.

A. When the Contractor considers the work or a designated portion of the work complete, submit written request to

4.2 FINAL COMPLETION

- Owner's Representative for inspection. By submittal of request, Contractor certifies that: I. Contract Documents have been reviewed.
- 2. Work has been completed in accordance with the Contract Documents and is ready for Inspection.

provided, Owner's Representative will notify Contractor of date of completion in writing.

- 3. Equipment systems have been tested, adjusted, balanced and is fully operational. B. Submit request for review a minimum of five (5) working days in advance of requested inspection date. Contractor shall be responsible for allowing sufficient time during contract period to complete inspection and any correction.
- C. Should Owner's Representative inspection find work incomplete, Owner's Representative will notify Contractor in writing, listing observed deficiencies.
- D. Contractor shall remedy listed deficiencies and sent a request for final inspection. At the Owner's option, a re—inspection(s) of the work to identify additional deficiencies, if any, may be required. Owner's costs associated
- with re-inspection(s) are subject to provisions of Article 4.04 of this Section. E. When Owners confirm work is complete, and close—out submittals as referred to in Article 1.04 of this Section are

- 4.3 RE-INSPECTIONS A. Should status of completion of work require re—inspection(s) by Owner due to failure of work to comply with Contractor's claim on initial inspection, Owner may deduct the amount of compensation for re—inspection services
- from final payment to Contractor. Observed deficiencies in excess of ten (10) will be reason for re—inspection. B. Inspection initiated at the request of the Owner will not be subjected to the provisions of this Article.

- 4.4 CLOSE-OUT SUBMITTALS A. Project Record Documents
- B. Operation and Maintenance Data
- C. Warranties and Guarantees
- D. Spare Parts and Maintenance Materials E. Evidence of Payment and Lien Releases along with a list of all subcontractors which contributed labor or materials to the project.
- F. Other data and material as may be required in individual Sections of the Specifications.

4.5 APPLICATION FOR FINAL PAYMENT A. Submit application for final payment in accordance with provisions of the contract for Construction.

of the requested inspection:

Inspection Schedule The Owner's representative or Landscape Architect (if requested by the Owner) shall accomplish the following

inspections in concert with the Project Coordinator, and the Landscape Contractor. Call at least 48 hours in advance

A. Pre-Landscape Construction Meeting with Owner's / Landscape Architect, Landscape Contractor and Construction

- B. Owner's representative or Landscape Architect irrigation inspections:
- 1. Irrigation System Layout and Coverage Inspection
- 2. Irrigation Mainline and Lateral Pressure Check Layout inspection or deviation from 3. Irrigation system as per plans
- 4. Installation inspection of main lines 5. Installation inspection of laterals and non-pressure system trenches
- C. Owner's representative or Landscape Architect planting inspections:
- 1. Review/approve amendments 2. Soil preparation
- 3. Finish grade verification
- 4. Plant material quality

from previous inspection must be complete

- 5. Layout in conformance with Project plans/specification D. Owner's representative or Landscape Architect post-construction inspection:
- 1. Final Landscape Improvements Inspection and approval E. Commencement of Maintenance Period with letter of approval from the Owner's representative. All punch list items
- F. Requests for progress payments must include approved inspection reports authorized by the Owner's representative.

END OF SECTION.

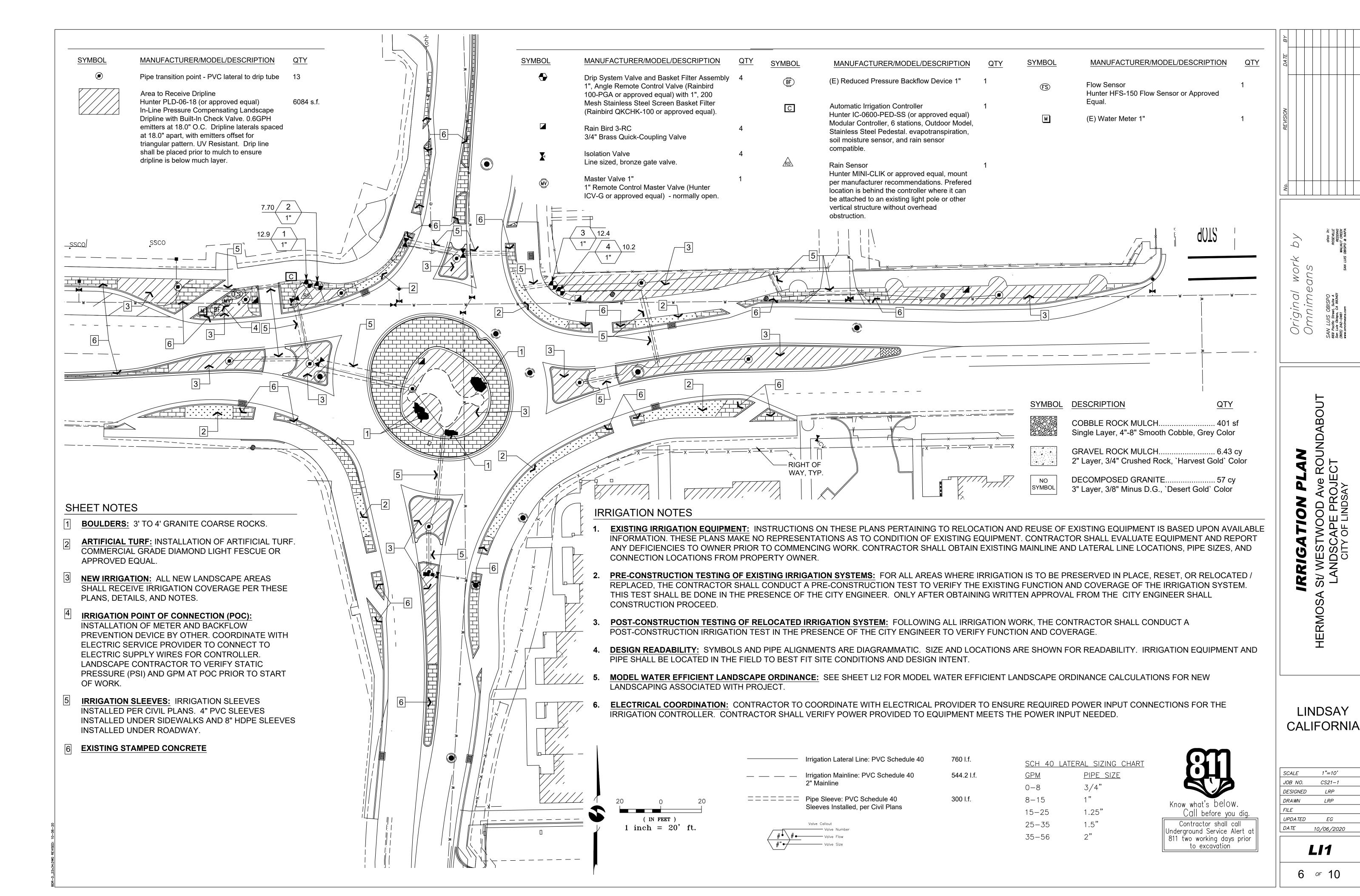
9 0 *a*/ Origin d Omnin

UNDABO NOIL ROI :CT D € Q & (1 PE 5 FUS≻ WEND OF STREET S RMO

LINDSAY **CALIFORNIA**

AS SHOWN JOB NO. CS21-1 LRPDRAWN LRP*UPDATED* EGDATE 10/06/2020

LP4



PROJECT SPECIFIC IRRIGATION NOTES:

- 1. IRRIGATION WATER SOURCE IS POTABLE WATER. IRRIGATION METER AND BACKFLOW PREVENT PER CIVIL PLANS. BACKFLOW PREVENTION DEVICE OUTLET LOCATION IS CONSIDERED PROJECT IRRIGATION POINT OF CONNECTION (POC).
- 2. IRRIGATION PRESSURE AND FLOW REQUIREMENTS: IRRIGATION SYSTEM IS DESIGNED TO FUNCTION AT MINIMUM 13 GALLONS PER MINUTE AND BETWEEN 40 TO 50 PSI STATIC PRESSURE. CONTRACTOR TO VERIFY STATIC PRESSURE AND GPM IMMEDIATELY PRIOR TO COMMENCEMENT OF WORK. IF EXISTING STATIC PRESSURE AT THIS LOCATION IS HIGHER OR LOWER THAN SYSTEM DESIGN LIMIT AS SPECIFIED ABOVE, CONTRACTOR SHALL NOTIFY THE CITY AND LANDSCAPE ARCHITECT PRIOR TO PROCEEDING WITH IRRIGATION INSTALLATION.
- 3. IRRIGATION MAINLINE PIPE SIZE TO BE 2" DIA. SCH 40 PVC.
- 4. PLAN IS DIAGRAMMATIC AND NOT INTENDED TO SHOW EXACT LOCATIONS OF PIPING AND VALVES. ALL MAIN LINE, GATE VALVES, RCVs, AND LATERAL PIPE SHALL BE INSTALLED WITHIN THE PROJECT AREA. IN PLANTING AREAS. WHETHER SHOWN THERE OR NOT.
- 5. THE EXISTING UNDERGROUND WATER LINES AND OTHER UTILITIES HAVE NOT BEEN FIELD VERIFIED UNDER THE CONSTRUCTION DOCUMENT PHASE OF WORK. THE EXISTING WATER LINES AND OTHER UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE NOT EXACT. CONTRACTOR TO VERIFY AND LOCATE EXISTING UTILITIES IN THE FIELD. DAMAGE TO ANY EXISTING IRRIGATION SYSTEMS AND OTHER VARIOUS UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 6. CONTRACTOR SHALL PROVIDE MANUFACTURERS' CUT SHEETS FOR ALL COMPONENTS SPECIFIED. ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS, SPECIFICATIONS, SHOP DRAWINGS, AND ACCORDING TO PLANS AND DETAILS.
- 7. LOCATION OF THE IRRIGATION CONTROLLER SHALL BE INSTALLED IN LOCATION AS SHOWN ON THE PLANS. COORDINATE ELECTRIC POWER FOR CONTROLLER OPERATION WITH ELECTRICAL SERVICE PROVIDER AND CIVIL PLANS (I.E. 120/230 VAC, 50/60 HZ).
- 3. CONTRACTOR SHALL PROGRAM THE IRRIGATION CONTROLLERS TO PROVIDE AMPLE IRRIGATION TO ALL PLANTINGS WITHIN THE ALLOWED WATERING WINDOW OF TIME AS DICTATED BY THE CITY. THE CONTRACTOR SHALL CREATE CONTROLLER PROGRAMING THAT WILL OPERATE ONE VALVE AT A TIME AS TO NOT EXCEED THE MAXIMUM GALLONS PER MINUTE FLOW RATE STATED ON THE DRAWINGS.
- 9. ROUTE IRRIGATION CONTROL WIRE IN SAME TRENCH AS IRRIGATION MAIN LINE.
- 10. PLACE FLOW SENSOR DATA CABLE FROM CONTROLLER TO MASTER VALVE/FLOW SENSOR IN IN ITS OWN 1" DIAMETER SCH. 40 GRAY ELECTRICAL CONDUIT.
- 11. TRENCHING WITHIN THE DRIPLINE OF LARGE EXISTING TREES SHALL BE PERFORMED BY HAND, AND WITH EXTREME CARE NOT TO SEVER ROOTS 1-1/2" IN DIAMETER.
- 12. SEE IRRIGATION SCHEDULE, NOTES, AND IRRIGATION DETAILS FOR MORE INFORMATION.
- 13. THE IRRIGATION SYSTEM IS DESIGNED TO COMPLY WITH THE STATE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE.
- 14. IRRIGATION SYSTEM SHALL NOT BE INSTALLED UNTIL LANDSCAPE GRADING IS COMPLETE, AND APPROVED BY CITY.
- 15. IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND REGULATIONS. ALL MATERIALS SHALL BE IN NEW PERFECT CONDITION AND COMMERCIAL GRADE. DEVIATIONS FROM THE SPECIFIED MUST BE "OR EQUAL" AND APPROVED BY THE CITY AND/OR THE LANDSCAPE ARCHITECT.
- 16. HOUSE REMOTE CONTROL VALVES IN RECTANGULAR PLASTIC VALVE BOX TWELVE (12) INCHES FROM ADJACENT SIDEWALK, CURB OR HEADER BOARD. SET TOP OF VALVE BOX EVEN WITH FINISH GRADE. SEE DETAIL.
- 17. HOUSE QUICK COUPLING VALVES IN ROUND PLASTIC VALVE BOX WITH BOLT DOWN LID. SET TOP OF VALVE BOX EVEN WITH FINISH GRADE. SEE DETAIL.
- 18. CONTRACTOR SHALL KEEP A DETAILED REDLINE PLAN RECORDING INSTALLATION OF IRRIGATION SYSTEM. RECORD PLAN SHALL BE DRAFTED WITH AS-BUILT DRAWINGS SHOWING LOCATIONS OF PIPING, VALVES, HEADS, WIRING, ETC. FOR APPROVAL BY CITY ENGINEER.
- 19. THREE LAMINATED, DETAILED IRRIGATION SCHEDULES SHOWING STATION PROGRAMMING AND RUN TIMES SHALL BE PROVIDED FOR THE CONTROLLER AND APPROVED BY CITY AND LANDSCAPE ARCHITECT- ONE WARM SEASON, ONE COOL SEASON, AND ONE FOR PLANT ESTABLISHMENT PERIOD. EACH SCHEDULE SHALL BE ACCOMPANIED BY REDUCED "AS-BUILT" PLAN (11"X17") PERMANENTLY MOUNTED IN OR NEAR CONTROLLER. THESE SHALL BE SUBMITTED PRIOR TO ACCEPTANCE OF THE WORK AND AS A CONDITION OF COMMENCEMENT OF MAINTENANCE PERIOD, AFTER FINAL ACCEPTANCE OF THE PROJECT BY THE CITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE LANDSCAPE IRRIGATION SYSTEM FOR THE DURATION OF THE PLANT ESTABLISHMENT PERIOD 90 DAYS.
 THIS INCLUDES PROGRAMMING THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH. DUTIES SHALL ALSO INCLUDE CHECKING AND REPAIRING IRRIGATION SYSTEM TO MAINTAIN PEAK PERFORMANCE.
- 21. CONTRACTOR RESPONSIBLE TO COMPLETE STATE REQUIRED "CERTIFICATION OF INSTALLATION" AND COORDINATE A "LANDSCAPE IRRIGATION AUDIT REPORT" PER SECTION 492.11 OF THE STATE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE.

LANDSCAPE DOCUMENTATION PACKAGE

PROJECT INFORMATION

- 1. PROJECT LOCATION: AS SHOWN ON TITLE SHEET
- 2. TOTAL LANDSCAPE AREA: 6,084 SF
- 3. PROJECT TYPE: PUBLIC, CITY ROUNDABOUT
- 4. WATER PURVEYOR: CITY OF LINDSAY, WATER UTILITIES
- 5. WATER SUPPLY TYPE: POTABLE WATER
- 6. DOCUMENTS IN THIS PACKAGE INCLUDE:
 - IRRIGATION PLANS / DETAILS
 - PLANTING PLANS / DETAILS
 - MAWA WATER BUDGET CALCULATIONS
 - ETWU WATER BUDGET CALCULATIONS
- 7. SOIL MANAGEMENT REPORT: NOT PREPARED ALL PLANTING SOIL SHALL BE IMPORTED TOPSOIL FOR BACKFILL IN OVER-EXCAVATED PLANTER AREAS. SOIL SHALL CONFORM TO PLAN NOTES, DETAILS, AND CALTRANS STANDARD FOR IMPORTED TOPSOIL.
- 8. GRADING INFORMATION: SEE CIVIL PLANS FOR CONTOUR GRADING SHEETS

Hermosa St. & Westwood Ave. RA, Lindsay, CA

Hermosa St. & Westwood Ave. RA, Lindsay, CA

Based on landscape areas to be maintained (per the State Model as of July 2020)

MAWA (Maximum Applied Water Allowance) Calculation

Formula per State = (Eto)(0.62)[(ETAF*LA) +((1-ETAF)*SLA)]

Annual Gallons Allowed = 86,060.01

 $\frac{MAWA\ Criteria}{Eto = 50.70}$ ETAF = 0.45

LA = 6,084.00

SLA = 0.00

Based on landscape areas to be maintained

ETWU (Estimated Total	al Water Use) Calcu	ETo x 0	.62 x[((PF x HA)/IE) +SLA]		
Hydro Zone	Valve Zones	PF	Irr Method	ΙE	Hydrozone Area (HA)	(PF X HA)/IE
Low	All	0.2	DRIP	0.81	6,084.00	1,502.22
Medium	na	0.5	DRIP	0.81	0.00	0.00
High	na	0.9	DRIP	0.81	0.00	0.00

TOTAL HYDROZONE AREA 6,084.00

TOTAL SPECIAL LANDSCAPE AREA

TOTAL LANDSCAPE AREA INCLUDING SPECIAL LANDSCAPE AREA 6,084.00

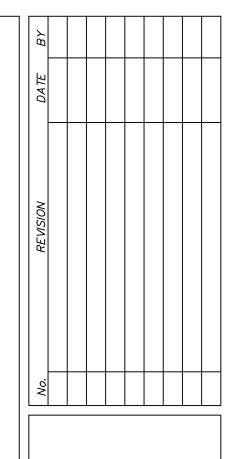
ETWU Total 47,220.85 MAWA 86,060.01

(ETWU should be less than MAWA)

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	PSI	PSI @ POC	PRECIP
INOMORK	MODEL	SIZE	ITFE	GFIVI	VVIE	<u> </u>	<u> </u>	PRECIP
1	Drip System Valve and Basket Filter Assembly	1"	Area for Dripline	12.86	22.5	28.86	44.69	0.45 in/h
2	Drip System Valve and Basket Filter Assembly	1"	Area for Dripline	7.70	27.3	26.84	41.62	0.45 in/h
3	Drip System Valve and Basket Filter Assembly	1"	Area for Dripline	12.38	166.4	29.23	45.19	0.45 in/h
4	Drip System Valve and Basket Filter Assembly	1"	Area for Dripline	10.23	171.1	29.09	44.65	0.45 in/h
	Common Wire				544.2			

CRITICAL ANALYSIS					SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>
Generated:	2020-08-21 14:40	SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	Ŵ	Master Valve 1" 1" Remote Control Master Valve (Hunter	1	M	(E) Water Meter 1"	1
P.O.C. NUMBER: 01			Pipe transition point - PVC lateral to drip tube	13		ICV-G or approved equal) - normally open.			Irrigation Lateral Line: PVC Schedule 40	760 l.1
Water Source Information: FLOW AVAILABLE Water Meter Size:	(E) Meter 1" Line 1"		Area to Receive Dripline Hunter PLD-06-18 (or approved equal) In-Line Pressure Compensating Landscape	6084 s.f.	BF	(E) Reduced Pressure Backflow Device 1"	1		Irrigation Mainline: PVC Schedule 40 2" Mainline	544.2
Flow Available: PRESSURE AVAILABLE	37.50 gpm		Dripline with Built-In Check Valve. 0.6GPH emitters at 18.0" O.C. Dripline laterals spaced at 18.0" apart, with emitters offset for		C	Automatic Irrigation Controller Hunter IC-0600-PED-SS (or approved equal) Modular Controller, 6 stations, Outdoor Model	1	======	Pipe Sleeve: PVC Schedule 40 Sleeves Installed, per Civil Plans	300 I.
Static Pressure at POC: Elevation Change: Service Line Size:	47.00 psi 5.00 ft 1 1/2"		triangular pattern. UV Resistant. Drip line shall be placed prior to mulch to ensure dripline is below much layer.			Stainless Steel Pedestal. evapotranspiration, soil moisture sensor, and rain sensor compatible.	,	#• #•	Valve Callout Valve Number Valve Flow	
Length of Service Line: Pressure Available:	10.00 ft 47.00 psi		Drip System Valve and Basket Filter Assembly 1", Angle Remote Control Valve (Rainbird 100-PGA or approved equal) with 1", 200 Mesh Stainless Steel Screen Basket Filter (Rainbird QKCHK-100 or approved equal).	4	<u>rs</u>	Rain Sensor Hunter MINI-CLIK or approved equal, mount per manufacturer recommendations. Prefered location is behind the controller where it can be attached to an existing light pole or other	1	#"•	Valve Size	
			Rain Bird 3-RC 3/4" Brass Quick-Coupling Valve	4		vertical structure without overhead obstruction.				
		X	Isolation Valve Line sized, bronze gate valve.	4	(FS)	Flow Sensor Hunter HFS-150 Flow Sensor or Approved Equal.	1			



Original Work by

Omning Obispo as SAN LUIS OBISPO
689 Pacific Street, Suite A
SAN LUIS OBISPO
689 Pacific Street, Suite A
SAN LUIS OBISPO
6805) 242-0461
6805) 242-0461
6805) 242-0461
6805) 242-0461
6805) 242-0461

IRRIGATION NOTES AND SCHEDU,
HERMOSA St/ WESTWOOD Ave ROUNDABOUJ
LANDSCAPE PROJECT
CITY OF LINDSAY

LINDSAY CALIFORNIA

112					
DATE	10/06/2020				
UPDATED	EG				
FILE					
DRAWN	LRP				
DESIGNED	LRP				
JOB NO.	CS21-1				
SCALE	AS SHOWN				

SCH 40 PVC SLEEVE UNDER CONCRETE WALK PAVING

SECTION: PLANTING AREAS

- 1. ALL PIPE, WIRE, &/OR SLEEVES TO GO UNDER SIDEWALK
- PAVEMENT TO BE INSTALLED PRIOR TO PAVING BEING INSTALLED.

 2. BUNDLE AND TAPE ALL CONTROL WIRE AT 10' INTERVALS; TAPE
 TO MAINLINE AT 20' INTERVALS.
- 3. TIE A LOOSE 2' LOOP IN WIRE AT CHANGES IN DIRECTION OF 30 DEG. OR GREATER. UNTIL AFTER CONNECTIONS HAVE BEEN MADE.
- MADE.
 4. INSTALL LOCATOR WIRE ALONGSIDE MAINLINE WHERE THERE IS NO CONTROL WIRE.
- 5. SEE CALTRANS STANDARD PLANS FOR IRRIGATION CROSSOVERS AND CONDUIT DETAILS BELOW STREET PAVING.

IRRIGATION PIPE AND CONTROL WIRE TRENCHING

NOT TO SCALE

P-HE-26

45 DEG. ELBOW.

PLAN VIEW

FINISHED GRADE

SECTION VIEW END OF LINE.

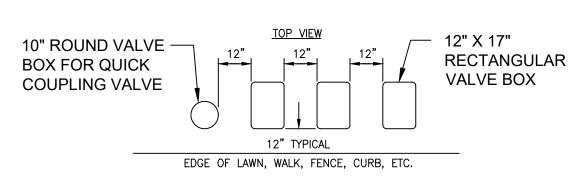
CAPPED LINE.

CAPPED LINE.

POURED IN-PLACE CONCRETE, -

THRUST BLOCKING

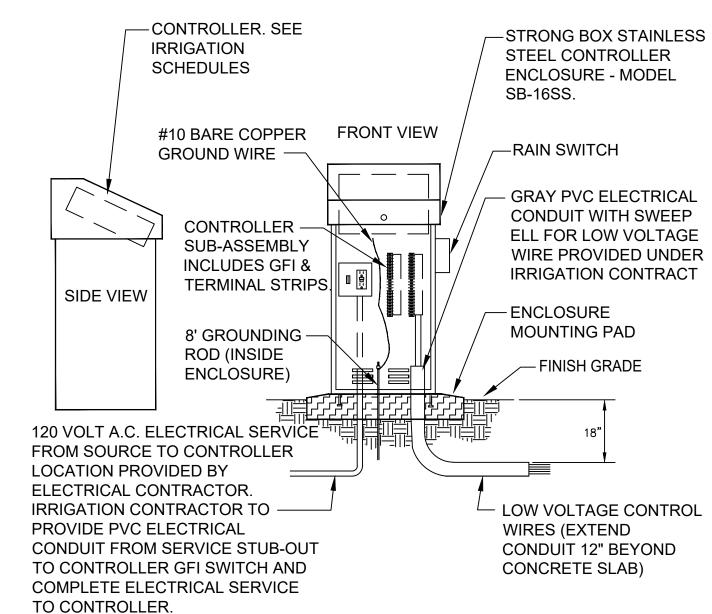
NOT TO SCALE P-HE-29



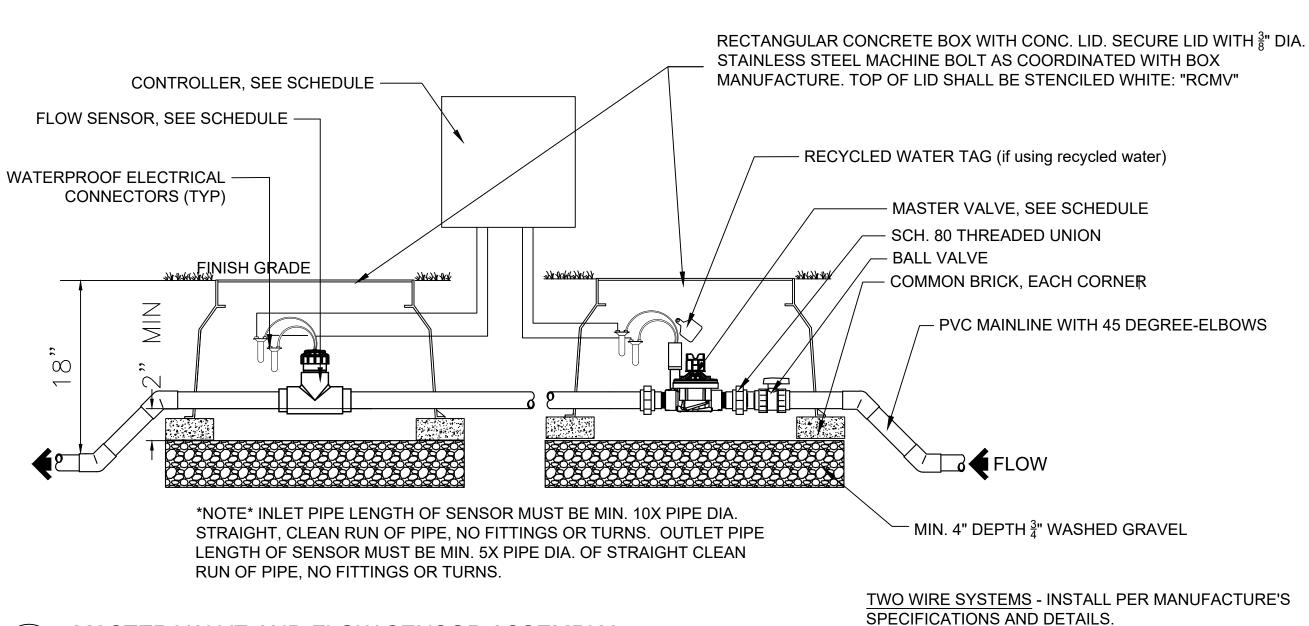
- 1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
- 2. SET BOXES 1" ABOVE FINISH GRADE OR MULCH COVER IN GROUND COVER/SHRUB AREA AND FINISH GRADE IN TURF AREA.
- 3. SET RCV AND VALVE BOX ASSEMBLY IN GROUND COVER/SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN ONLY IF GROUND COVER DOES NOT EXIST ADJACENT TO LAWN.
- 4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF LAWN, WALK, FENCE, CURB, ETC.
- 5. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
- 6. INSTALL EXTENSION BY VALVE BOX MANUFACTURER AS REQUIRED TO COMPLETELY ENCLOSE ASSEMBLY FOR EASY ACCESS.



NOT TO SCALE







MASTER VALVE AND FLOW SENSOR ASSEMBLY

1 1/2" = 1'-0"

BOX W/ LOCKABLE LID SET FLUSH WITH PAVEMENT OR 3" ABOVE FINISH GRADE IN PLANTER AREAS

P.V.C. FEMALE ADAPTER

NIPPLE CONNECTION

GATE VALVE PER SCHEDULE

P.V.C. MAINLINE PIPE

CONCRETE OR BRICK SUPPORT

4" LAYER 3" WASHED GRAVEL

10-INCH DIAMETER VALVE

P-HE-59

6 GATE VALVE

NOT TO SCALE

P-HE-27

10" DIAMETER VALVE BOX. WITH BOLT DOWN LID. "QVC" STENCILED ON LID CONCRETE 12" MAX 6" MIN. **PAVING** OR FINISHED GRADE. CURB 4 QUICK COUPLING VALVE TWO STAINLESS -GALV. NIPPLE, LENGTH AS REQ. STEEL CLAMPS. 6" DEEP LAYER OF 3/4" WASHED GRAVEL -3" PVC SCHEDULE 80 NIPPLE 1/2" X 36" GALV STEEL PIPE. THREE PVC SCH 80 ELLS. 12" PVC SCHEDULE 80 NIPPLE.

7 QUICK COUPLING VALVE
1 1/2" = 1'-0"

Original Work by
Omnimeans.com

SAN LUIS OBISPO
San Luis Obispo. A 993401
WALNIT GREK
WWW.comnimeans.com

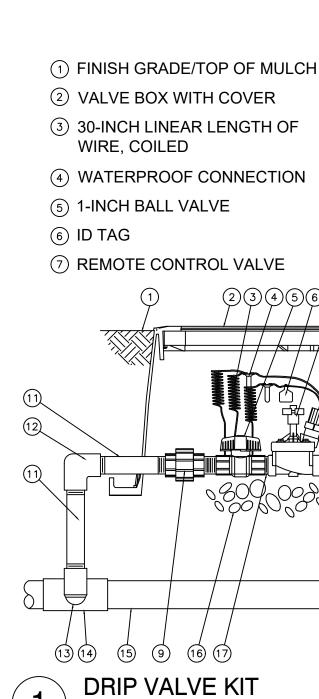
SAN LUIS OBISPO
ASSAN LUIS OBISPO
AND LUIS OBISPO & NAPA
SAN LUIS OBISPO & NAPA

IRRIGATION DETAILS
HERMOSA St/ WESTWOOD Ave ROUNE
LANDSCAPE PROJECT
CITY OF LINDSAY

LINDSAY CALIFORNIA

P-HE-30

LI3					
DATE	10/06/2020				
UPDATED	EG				
FILE					
DRAWN	LRP				
DESIGNED	LRP				
JOB NO.	CS21-1				
SCALE	AS SHOWN				



NOT TO SCALE

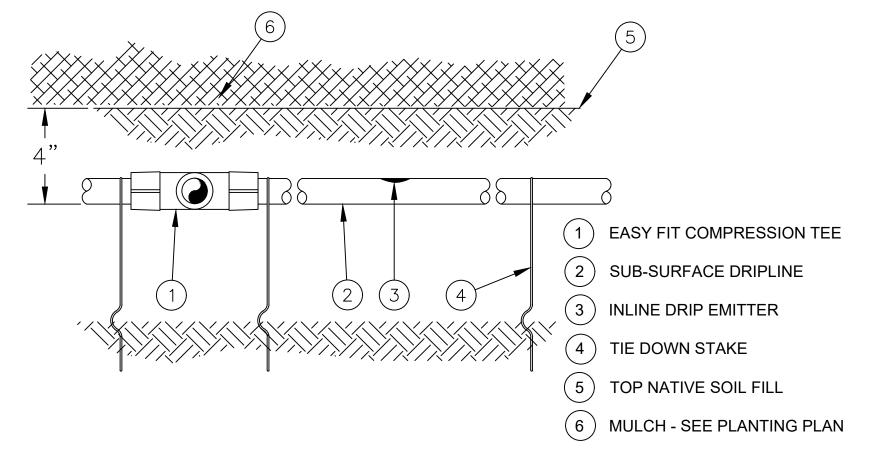
- 3 30-INCH LINEAR LENGTH OF
- 8 PRESSURE REGULATING QUICK CHECK BASKET FILTER
- UNION CONNECTOR
- 10 LATERAL PIPE
- 11) PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 12 PVC SCH 40 ELL
- 13 PVC SCH 40 NIPPLE AND ELL

(4) PVC SCH 40 TEE OR ELL

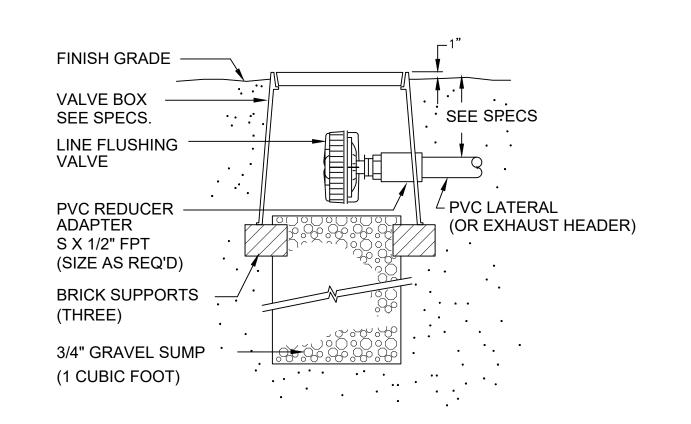
16 4-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

17) PVC SCH 80 NIPPLE, CLOSE

15 MAINLINE PIPE



- 1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY. 2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION
- 3. INSERTION PLOW AND TRENCHED INSTALLATIONS DO NOT REQUIRE TIE DOWN STAKES.





ON A SEPARATE VALVE.

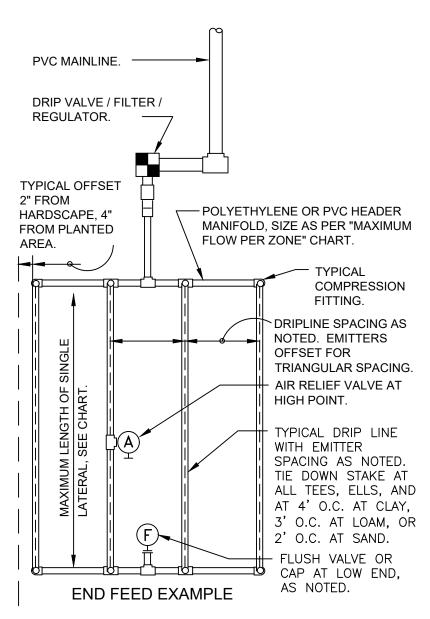
BELOW SURFACE IN-LINE DRIP IRRIGATION

PVC SCH 40 TEE OR ELL



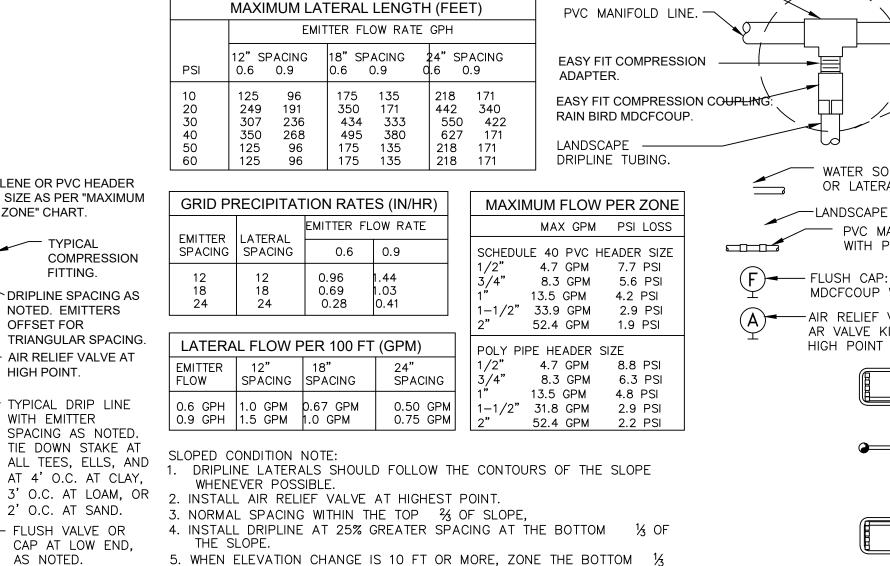
P-HE-10

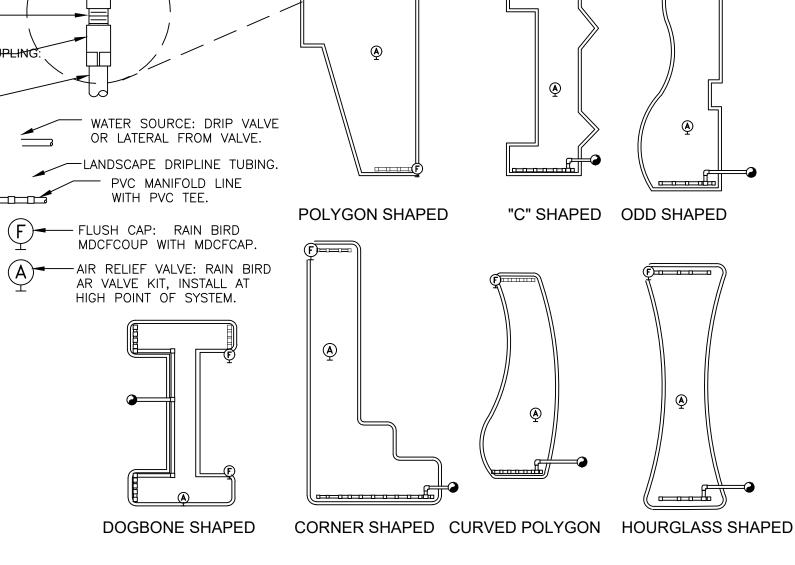
P-HE-25



N.T.S.

TYPICAL RAIN BIRD DRIPLINE REQUIREMENTS





LINDSAY **CALIFORNIA**

HERMOSA

by

Worn eans

Original Omnime

ve ROUNDAE

St/ WES-LANDSC

DE

SCALE	AS SHOWN
JOB NO.	CS21-1
DESIGNED	LRP
DRAWN	LRP
FILE	
UPDATED	EG
DATE	10/06/2020

LI4

PART 1 - GENERAL

For the purpose of these specifications, the Owner's Representative shall be defined as the Landscape Architect, The Project Superintendent, and or the Architect.

1.01 SECTION INCLUDES

A. The work included under this Section consists of furnishing all fees and permits, all labor, tools, materials, equipment, transportation, and services required to complete the installation of the Underground Sprinkler Irrigation system, including revisions to existing systems, as shown on the Drawings and as specified in this section.

B. Related Sections:

1. Section 2900 — Planting: Provision of requirements for fine grading of planting areas.

1.02 REFERENCES

A. National Electric Code (NEC)

B. Uniform Plumbing Code (UPC). C. Underwriters Laboratories Inc. (UL):

1.03 QUALITY ASSURANCE

A. All work and materials shall be in full accordance with the latest rules and regulations of the National Electric Code, the Uniform Plumbing Code, and other applicable State or local laws or regulations. Nothing in these Drawings or Specifications is to be construed to permit work not conforming to these Codes.

B. When the Specifications call for materials or construction of a better quality or larger size than required by the above mentioned rules and regulations, the provision of the Specifications shall take precedence over the requirements of the said rules and regulations.

C. The Contractor shall furnish, without any extra charge, any additional material and labor when required by the compliance mentioned on these particular Specifications or shown on the Drawings. D. The Contractor shall erect and maintain barricades, guards, warning signs, and lights as necessary or required

by OSHA regulations and as required by these contract documents for the protection of the public or workmen. E. Any existing buildings, equipment, piping, sewers, sidewalks, landscaping or other Site improvements damaged by the Contractor during the course of his work shall be replaced or repaired by the Contractor in a manner satisfactory to the Owner's representative and at the Contractor's own expense, and before the final payment is made. The Contractor shall be responsible for damage caused by leaks in the piping systems being installed or having been installed by him. He shall repair, at his own expense, all damage so caused, in a manner

satisfactory to the Owner's representative. F. Installing company and its job site superintendent shall have at least 3 years immediate and continuous experience installing systems of similar design and type of equipment.

G. The Contractor shall obtain and pay all fees, licenses, and permits required for the Project.

H. Before making bid, examine the Site carefully, verifying dimensions and other Site conditions in relation to the Plans. The Contractor is responsible for informing himself of all conditions under which work is to be done before submitting his bid.

I. In case of an apparent discrepancy among Drawings, Specifications, and actual Site conditions, bring the discrepancy to the attention of the Owner's Representative in writing.

1.04 PERFORMANCE REQUIREMENTS

A. Irrigation System:

1. Construct irrigation system to sizes, grades, and locations indicated on the Drawings. 2. Irrigation lines indicated on the Drawings are essentially diagrammatic.

3. Establish exact locations of tree well bubblers and drip zone tubing, at time of construction.

1.05 SUBMITTALS

A. Submit and cut sheets provide for all irrigation system components.

B. Record Drawings

1. The Contractor shall maintain, in good order, in the field office, one complete Set of Irrigation Drawings showing all water lines, valves, controllers, stub-outs, and sleeves. In the event any work is not installed as indicated on the Drawings, such work shall be immediately corrected and dimensioned accurately from the building walls on these Record Drawings.

2. All underground stub-outs and sleeves for future connections (if noted on the plans) shall be located and dimensioned accurately from the building walls on these Record Drawings.

3. Upon completion of the work, and prior to final acceptance, the Contractor shall provide the 'As Built' conditions. Furnish these corrected 'As Built' plans to the Owner's Representative. C. Contract Closeout Submittals:

1. Submit to Owner's Representative

a. Project Record Documents: After final acceptance of project, turn over record documents to the Owner's Representative

b. Operation and Maintenance: Provide operation and maintenance manuals covering the system and its components including a detailed typewritten instructions for Winter and Summer controller programming, including demonstration.

1.06 DELIVERY, STORAGE AND HANDLING

A. Packing and Shipping: 1. Deliver plastic pipe, fittings, and connectors to project site in unbroken bundles or rolls, packaged in such manner as to provide adequate protection for pipe ends, threaded or plain.

B. Storage and Protection 1. During construction and storage protect materials from damage and prolonged exposure to sunlight, excessive heat, and/or deleterious materials.

1.07 JOB CONDITIONS

A. Proceed with and complete irrigation work as rapidly as portions of Site become available, working within seasonal limitations.

B. Determine location of underground utilities and perform work in a manner which will avoid possible damage. Hand excavate as required.

C. Maintain grade stakes set by others until removal is mutually agreed on by parties concerned.

1.08 SUBSTITUTION AND VERIFICATION

A. Certain numbers on the Drawings and the Specifications are taken from the catalogues of the manufacturers named. The Contractor shall be responsible for verifying that listed numbers correspond to appropriate equipment currently available from the manufacturers.

B. Numbers on the Drawings refer to the basic equipment required and the Contractor shall be responsible for determining additional incidental parts necessary for the attachment or assembly of equipment within the

C. Requests for substitutes must be in writing and approved of by the Owner's Representative.

PART 2 - PRODUCTS

2.01 PVC PLASTIC PIPING AND FITTINGS

A. Exterior main lines (pressure lines) & Exterior lateral lines (non—pressure): All piping is to be PVC Schedule 40 (ATM D 1785) plastic pipe. Use Type 1 Schedule 40 High Impact PVC solvent weld fittings.

B. Connections between mainlines and RCV's shall be of Schedule 80 PVC nipples and fittings as per Detail on

C. Plastic to metal connections shall be made with Schedule 80 male adapter or threaded nipple.

D. Plastic saddles and flange type fittings are not to be used.

2.02 GALVANIZED STEEL PIPE AND FITTINGS

A. Steel pipe shall be standard weight Schedule 40 as specified in Section 15252, mild steel pipe of domestic origin, galvanized, and shall be new and scale free. All nipples shall be of the same material. B. Steel pipe fittings shall be heavy pattern, banded, galvanized malleable iron, threaded pipe fittings.

C. Nipples are to be of same material as pipe.

D. Crosses, bushings, and close nipples are not to be used. E. All galvanized steel pipe and fittings occurring below grade, including to 6 inches above finish grade, are to be field wrapped with a PVC tape. The wrapping tape and technique are to be subject to Owner's Representative

F. All dissimilar metal piping are to be joined with a dielectric fitting.

2.03 SLEEVES AND CHASES

A. All irrigation pipe sleeves and/or electrical chases shall be PVC Schedule 40 (ASTM D 1785). Size twice the diameter of the sum of the pipe or pipes total diameter.

B. Class 1 and Class 2 electrical conductors are not to be placed in the same conduit.

2.04 IRRIGATION SYSTEM EQUIPMENT

A. The backflow prevention assembly, automatic sprinkler controller, control valves, and other miscellaneous equipment shall be as specified on the Plans (or on the civil engineering plans) and/or in the Irrigation System Leaend.

B. Drip system components as indicated on the plans.

2.05 CONTROL WIRE

A. Control wire shall be type UF, 600 volt, single conductor wire with PVC insulation 4\64 inches thick (minimum). Control wire shall be #14 single conductor solid copper wire. All control or 'hot' wires shall be of one color (RED) and all common or 'ground' wires shall be (WHITE). Common ground wires size shall be #12 single conductor.

B. Electrical wire connections shall be 3M Brand DBY Direct Bury Splice Kit, shall splice and effectively moisture seal two or more conductors. The electrical connector shall be a 'Scotchlok' Y.

2.06 AUTOMATIC CONTROLLER

A. Provide and install automatic irrigation controller, as indicated in the irrigation legend, and in approximate location shown on the Plans. The exact location will be determined on the Site by the Owner's Representative. B. Controller shall have correct number of modules to allow for operation of all wired valves.

C. Coordinate electrical input connection with electrical service provider to ensure appropriate power supply.

2.07 BACKFLOW PREVENTERS

A. Backflow prevention devices are to be installed as per plan details and specifications (see civil plans). Verify point of connection size and location in field. Contact Owner's Representative if contrary to plan.

2.08 MASTER VALVE AND FLOW SENSOR

A. Master Valve and Flow Sensor as specified on the plans.

2.9 REMOTE CONTROL VALVES

A. Remote Control Valves specified on the plans. Wire runs between valves and the controller. Each valve shall have a unique and individual hot wire and shared common ground. B. Remote Control Valves shall be as indicated on the plans.

2.10 GATE VALVES

A. Gate Valves shall be as indicated on the plans.

2.11 VALVE BOXES

A. Valve boxes shall be Carson #1419—13 as manufactured by Carson Industries, Inc. and are to have bold down lids, with "RCV" cast on lid, or approved equal. B. Install only one RCV or gate valve per valve box.

C. Install all valve boxes on a pea gravel or 3/4" wash base as indicated on the details.

2.12 MISCELLANEOUS EQUIPMENT AND MATERIALS

A. PVC pipe connections: Solvent cement and primer for solvent weld joints shall be of make and type approved by manufacturer of pipe and fittings. Cement shall be maintained at proper consistency throughout use. A. Galvanized pipe connections: Pipe joint compound shall be 'Rectorseal' or equivalent,

non—hardening, non—toxic material designed specifically for use on threaded connections in water—carrying pipe. C. PVC threaded connections: Use Teflon tape or approved equal.

D. Provide the Owner, at completion of the maintenance period, three each of all operating and servicing keys, wrenches, and adjustment screwdrivers required for complete maintenance and operation of all heads and valves. Include all wrenches necessary for complete disassembly of all heads and valves.

PART 3 - EXECUTION

3.01 SUPERVISION AND WORKMANSHIP

A. The Contractor, personally or through an authorized and competent representative, shall supervise the work constantly and shall, as far as possible, keep the same foreman and workmen on the job from commencement to completion. The workmanship of the entire job shall in every way be first class, and only experienced and competent workmen shall be allowed on the job.

3.02 LAYOUT OF THE WORK

A. Stake out the irrigation system as shown on the Drawings. Any necessary changes from the original system shall be determined at this time. Verify location of existing underground utilities and make any necessary adjustments to avoid damage.

3.03 INSTALLATION PREPARATION A. Schedule and coordinate placement of materials and equipment in a manner to complete the work as quickly

as possible in conformance with construction and progress schedules. 3.04 COORDINATION OF WORK

A. Coordinate work with other trades. In particular, schedule placement of irrigation line and wiring (Schedule 40) sleeves prior to paving work.

3.05 EXCAVATING, TRENCHING AND BACKFILL A. Excavation and Backfill for Sprinkler Lines:

1. Excavation: Place when pipe and soil temperatures are approximately the same.

2. Backfill and Compaction: Top 6 inches in landscaped areas may be 85 percent.

B. Excavation shall be in all cases ample space for joining. Provide warning signs and barricades as needed for open trenches. Bottom of trenches shall provide continuous support for pipe.

C. Make trenches for pipe lines deep enough to provide minimum cover from finish grade as follows: 1. 18 inches minimum cover over mainlines and control wires to control valves and quick coupler valves, 24 inches under paving.

2. 12 inches minimum cover over lateral lines. 24 inches under paving.

3. When rocky conditions exist, as determined by the Owner's Representative, the bottom of all trenches shall have 3 inches of sand placed in them. Trenching depth shall be sufficient to allow for the 3 inches of

D. Restore surfaces, existing underground installations, or other Site improvements damaged or cut as a result of excavations, to original condition in a manner approved by the Owner's Representative.

E. Where other utilities interfere with irrigation trenching and pipe work, adjust the trench depth as instructed by the Owner's Representative.

F. No work on excavating, trenching, or backfilling shall be done when soil is muddy, as determined by the Owner's Representative.

3.06 PIPELINE ASSEMBLY / PLASTIC PIPE

A. All pipe shall be assembled free from dirt. Field cut ends shall be reamed only to full diameter, with rough edges and burrs removed. B. Solvent weld joints: Assemble PVC pipe using primer, solvents, and methods in accordance with manufacturer's

recommendations. Wipe excess cement off the outside of the joints. C. For long pipe runs, 'snake' pipe from side to side in trench to allow for thermal expansion. Install pipe with manufacturer's labels face up for inspection before backfill.

D. Threaded Joints: 1. Field threading of plastic pipe or fittings is not permitted, factory formed threads only will be permitted. 2. All plastic to metal connections shall be made with PVC male adapters. All screwed joints shall have Teflon tape applied to the male threads.

3. Where assembling threaded plastic fittings, take up joint no more than one full turn beyond hand tight. Use strap—eye friction wrench only; do not use metal jawed wrench. E. Cap or plug openings as pipeline is assembled to prevent entrance of dirt or obstruction. Remove caps or plugs only when necessary to continue assembly.

F. Where pipes or control wires pass through sleeves, provide removable non—decaying seal at ends of sleeve to prevent entrance of earth.

G. Install concrete thrust blocks on the main line at all changes in pipe direction associated with PVC tee's, el's,

and other fittings as needed and as per detail on the plans. Do not cover thrust blocks until fully acceptable to the Owner's Representative.

3.07 REMOTE CONTROL VALVES (RCV)

A. Install where shown and group together where practical. Limit one RCV per valve box. Locate in shrub or ground cover beds wherever possible.

B. The valve designation (i.e.: controller and station no.) shall be painted on the inside of each valve box lid. C. Locate valves no closer than 12 inches from pavement or curbs, buildings, and walks. D. Thoroughly flush main line before installing valve.

3.08 AUTOMATIC CONTROL WIRING

A. Run wires along main lines wherever practical. Tie wires in bundles with pipe wrapping tape at 20 foot intervals and allow slack for contraction between strapping. Place all above ground wiring in conduit.

B. Make connections with 3M Brand DBY Direct Bury Splice Kit, shall splice and effectively moisture seal two or more conductors. The electrical connector shall be a 'Scotchlok' Y. The device shall be installed per manufacture's instructions and all applicable codes. The device shall be UL Listed as a Wire Connector System For Use With Underground Conductors.

C. Loop a minimum of three (3) feet of extra control wire and ground wire in each valve box and at all corners and at 200 foot intervals.

D. Splicing will be permitted only at valve locations or in junction boxes, equivalent to valve boxes, and approved

E. Where control lines pass under paving, or where interior wires are exposed, they shall pass through Schedule 40 PVC conduit.

3.09 AUTOMATIC CONTROLLER

A. The automatic sprinkler controller is to be a new automatic controller. Reference irrigation equipment legend. Contractor is to provide the following:

1. Furnish and install the new auto controller, controller steel enclosure, and or enclosure concrete base as

2. Provide all 100X electrical work required to heat the new controller. 3. Provide all 120 volt electrical work required to reconnect the existing systems control wires to the new auto

4. Provide telephone service to controller location, if required per plan legend. Coordinate with installing

5. Provide adequate electrical surge protection for the new automatic controller and as approved by the Owner's Representative.

3.10 ROOT ZONE WATER SYSTEM BUBBLER AND DRIP SYSTEM

A. Install all root zone water system bubblers and sub-surface drip line in accordance with the plans and details contained within these drawings.

3.11 BACKFILLING

A. Use earth excavated from trenches, free from rocks or other deleterious material. Avoid any sharp objects adjacent to pipe which could cause damage. At the Contractor's option, rock—free imported topsoil may be used to backfill around piping. B. All PVC piping is to be covered with a 3 inch layer of sand wherever the backfill is rocky in nature as

determined by Owner's Representative. C. The sprinkler system trenches are to be backfilled in 6 inch lifts and adequately compacted to prevent

subsequent settling. D. Finish Site. Site grade areas of backfill to match adjacent grade, removing any rocks or debris from the

Obtain approval from the Owner's Representative for relocating any excess earth on E. If settlement occurs along trenches, make all necessary adjustments to bring irrigation system, soil and turf or paving to proper grade at no additional cost to the Contract.

3.12 FIELD QUALITY CONTROL

A. PIPE TESTING: Notify Owner's Representative at least three (3) working days in advance of testing. All tests shall be at Contractor's expense. Use small amounts of backfill to stabilize pipe before testing, but keep all joints exposed. Test lines as follows:

B. Trench Inspection and Main Line Pressure Test 1. The Contractor shall not backfill pressure main line trench until an open trench inspection has been

conducted and approved. 2. Test all pressure lines and connections to quick coupler valves, remote control valves and gate valves under hydrostatic pressure of 120 pounds per square inch prior to installation of remote control valves.

3. All piping under paved areas shall be tested under hydrostatic pressure of 120 pounds per square inch prior 4. Sustain pressure in pressure lines for not less than twenty—four (24) hours. If leaks develop, replace joints

and repeat test until entire system is proven watertight. 5. All hydrostatic tests shall be made only in the presence of the Owner. No pipe shall be backfilled, except for center loading, until it has been observed, tested and approved in writing by the Owner. Should any work be covered up before such observation and tests are completed, the Contractor shall, at his own expense, uncover the work; and after it has been observed, tested and approved, he then shall make all repairs with

such materials as required to restore all work disturbed to original and proper condition. 6. Furnish necessary force pump and all other test equipment.

C. Flushing and Testing: a. After new sprinkler piping and risers are in place and connected and necessary work has been completed, and prior to installation of sprinkler heads, open control valves and apply full head of water to flush out

b. After the system is thoroughly flushed, and prior to backfilling, cap off and pressure test system. c. All testing to be in full compliance with the requirements of the specifications. B. Final System Test: 1. When irrigation system is complete and all adjustments have been made, notify the Owner's Representative to arrange final testing of system. A complete test of the system shall be made with all equipment

connected and operating. Make any necessary adjustments as required by the Owner's Representative and

2. Equipment manufacturer for controllers, automatic control valves, and sprinklers shall inspect the installed

retest as needed for final approval of system.

C. Manufacturer's Field Service: 1. Equipment manufacturer for controllers and automatic control valves shall provide one half day of field training in the operation and maintenance of the equipment to the Owner.

system and its operation and certify in writing its proper installation and operation.

3.13 GUARANTEE A. Submit in writing to the Owner's Representative.

B. It shall be the responsibility of the Contractor to fill and repair all depressions and replace all necessary paving or plating due to the settlement of irrigation trenches for one year following completion and acceptance of the

C. The Contractor shall guarantee all materials, equipment, and workmanship furnished by him to be free of all defects of workmanship and materials, and shall agree to replace at his expense at any time within one year after installation is accepted, any and all defective parts that may be found. In cases where emergency repairs are needed, or if the Contractor is not immediately available for repair work, the Owner shall have the option of making repairs at the Contractor's expense.

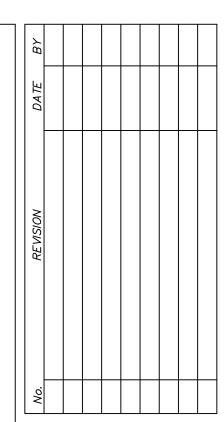
A. The Contractor shall keep his work areas in a workmanlike and safe condition and so his rubbish, waste, and debris does not interfere with the work.

B. Upon completion of work in this Section, remove all rubbish, waste and debris from Site. C. Remove all equipment and implements of service, leave entire area in a neat and clean condition to meet acceptance by the Owner's Representative.

3.15 WATER EFFICIENT LANDSCAPE COMPLIANCE CERTIFICATE OF COMPLETION

A. The Contractor shall comply with the completion of all forms associated with the Certificate of Completion associated with the Water Efficient Landscape Compliance Certificate of Completion.

END OF SECTION



9 0 *al al al* Origin on on on one

OUNDABOUT T 5 NOIT U Ve T AVE SOJ SPE WOOI APE F OF LIN · ひ≻ NOIT S S F WE ND C D **ERMOSA**

LINDSAY **CALIFORNIA**

SCALE AS SHOWN JOB NO. CS21-1 DESIGNED LRPDRAWN LRPUPDATED EGDATE 10/06/2020

LI5