2 - 15 - 2017BOARD OF RECREATION AND PARK COMMISSIONERS

NO.<u>17-036</u>

DATE February 15, 2017

C.D. _____5

BOARD OF RECREATION AND PARK COMMISSIONERS

SUBJECT: WESTWOOD PARK – NEW DOG PARK AND PARK IMPROVEMENTS (PRJ21050) PROJECT – ALLOCATION OF QUIMBY FEES – CATEGORICAL EXEMPTION FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) PURSUANT TO ARTICLE III, SECTION 1, CLASS 1(3), CLASS 4(3) AND CLASS 11(3) OF THE CITY CEQA GUIDELINES (MINOR ALTERATIONS OF EXISTING STREETS AND PEDESTRIAN TRAILS, TREE PLANTING AND LANDSCAPING AND PLACING OF MINOR STRUCTURES ACCESSORY TO EXISTING FACILITIES)

AP Diaz fus *R. Barajas H. Fujita	(BP	V. Israel N. Williams		
				M. Muser General Manager
Approved			Disapproved _	Withdrawn

RECOMMENDATION

- 1. Approve the final plans and specifications for the Westwood Park New Dog Park and Park Improvements (PRJ21050) Project (Attachment No. 1);
- Recommend that the City Council request the City Attorney to draft an ordinance amending Los Angeles Municipal Code (LAMC) Section 63.44 B.2(d) in order to authorize the designated fenced area consisting of approximately 0.69 acres in Westwood Park as an off-leash dog exercise and training area, for final approval by City Council;
- 3. Recommend that the City Council approve the ordinance amending LAMC Section 63.44 B.2(d), as prepared by the City Attorney;
- Authorize the Department of Recreation and Parks (RAP) Chief Accounting Employee to transfer One Million Three Hundred Seventeen Thousand Eight Hundred Ninety Five Dollars (\$1,317,895.00) in Quimby Fees from the Quimby Fees Account No. 89460K-00 to the Westwood Park Account No. 89460K-WP;
- 5. Authorize the RAP Chief Accounting Employee to reallocate One Hundred Fifty Seven Thousand Eight Hundred Twenty Six Dollars and Fifteen Cents (\$157,826.15) in Quimby Fees, currently allocated to the Westwood Park – Synthetic Turf Field (PRJ20663)

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Project, to the Westwood Park – New Dog Park and Park Improvements (PRJ21050) Project;

- Approve the allocation of One Million Four Hundred Seventy Five Thousand Seven Hundred Twenty One Dollars and Fifteen Cents (\$1,475,721.15) in Quimby Fees from Westwood Park Account No. 89460K-WP for the Westwood Park – New Dog Park and Park Improvements (PRJ21050) Project;
- 7. Find that the proposed project is categorically exempt from the California Environmental Quality Act (CEQA), and direct staff to file a Notice of Exemption;
- 8. Authorize the RAP Chief Accounting Employee to prepare a check to the Los Angeles County Clerk in the amount of \$75.00 for the purpose of filing a Notice of Exemption; and,
- 9. Authorize the Department's Chief Accounting Employee to make technical corrections as necessary to carry out the intent of this Report.

SUMMARY

Westwood Park is located at 1350 South Sepulveda Boulevard in the Westwood area of the City. This approximately 26.70 acre park provides baseball fields, basketball courts, two children's play areas, a gymnasium, and a swimming pool. Approximately Ten Thousand Nine Hundred Sixty Three (10,963) residents live within a one-half (½) mile walking distance of Westwood Park. Due to the facilities, features, programs, and services it provides, Westwood Park meets the standard for a Community Park, as defined in the City's Public Recreation Plan.

On August 10, 2016, the Board of Recreation and Park Commissioners (Board) approved a Revocable License Agreement with United States Department of Veteran Affairs (USDVA) for the use of Veterans' Barrington Park (Report No. 16-169). As a part of that Revocable License Agreement, the Department of Recreation and Parks (RAP) agreed to, within one year after the Effective Date of the Agreement, reduce the current size of the off-leash dog park by 50% and convert the reduced area to green space.

In anticipation of, and in response to, the reduction in the size of the off-leash dog park at Veterans' Barrington Park, RAP is recommending the development of a new off-leash dog park, and various other outdoor park improvements, at Westwood Park. Westwood Park is located approximately two (2) miles from Veterans' Barrington Park, and is the closest RAP facility to Veterans' Barrington Park.

OFF LEASH DOG EXERCISE AREAS – RAP POLICY AND GUIDELINES

On September 1, 1999, the Board approved an Off Leash Dog Exercise Area Policy (Report No. 382-99) (Attachment No. 2). The purpose of the RAP's Off Leash Dog Exercise Area Policy (Policy) is to establish a mechanism by which dog owners have the opportunity to recreate with their dogs off-leash within designated park areas. The Policy is used in conjunction with RAP's

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Off-Leash Dog Exercise Area Guidelines (Guidelines). The purpose of the Guidelines is to assist in the design, development and operation of off-leash dog exercise areas in the City of Los Angeles. The Policy and Guidelines are attached to this report (Attachment No. 2).

As detailed in the Guidelines, the key factors to be considered in selecting an off-leash dog exercise areas are distance from adjacent land uses, relationship to other recreational uses, size, availability of parking, and accessibility. Per the Guidelines, designated off-leash dog exercise areas should meet the following standards:

- 1. Be far enough away from a residential or commercial land use that the singleevent sound of a dog bark would generally be perceived as a background sound or would be screened by traffic noise. To achieve this objective, the off-leash area should be:
 - a) at least 150 feet from residences and separated by a street or nonresidential structure, and
 - b) at least 80 feet from commercial uses; if the wall of the commercial building that faces the off-leash area is windowless, a distance setback may not be required.
- 2. Be large enough to accommodate an area for big dogs (3.0 acres or larger) and include an area for small or timid dogs (0.75 acre or larger).
- 3. Be accessible to disabled users.
- 4. Be situated on property that is not currently developed for recreational use and/or in areas of parks that are not heavily used for other recreational activities so as to reduce the potential for conflict.
- 5. Not displace another organized recreational use or priority unstructured use in a park given the City's limited park resources and need for active recreation and passive open space areas.
- 6. Have sufficient adjacent parking, preferably off-street, that does not require users to cross a street; curbside parking is less desirable. A park in a multi-family residential neighborhood requires fewer spaces, whereas a park in a single-family residential neighborhood or non-residential area requires more spaces.
- 7. Be situated within a six-foot high minimum perimeter chain link fence with a concrete mow strip. Natural barriers such as steep hillsides, if feasible, may be utilized in lieu of fencing.

RAP's Off-Leash Dog Exercise Area Guidelines note that "if a proposed site does not meet the standards established by these guidelines, it may still be considered provided that it

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successfully passes the environmental review process which establishes the appropriateness of the site and design criteria, and addresses any health and safety issues."

OFF LEASH DOG EXERCISE AREAS – LOS ANGELES MUNICIPAL CODE

Los Angeles Municipal Code (LAMC), Section 63.44 B.2(d) prohibits dogs off-leash in City parks, unless they are at City parks or portions of City parks approved and designated as dog exercise and training areas by the Board and approved by the City Council by ordinance.

An amendment to the LAMC by the City Council would be required in order to authorize the establishment of an off-leash dog exercise and training area at Westwood Park.

PROJECT SCOPE

Staff has completed the final plans and specifications for the Westwood Park – New Dog Park and Park Improvements (PRJ21050) Project. The project proposes the development of new 30,000 square foot (0.69 acre) off-leash dog exercise and training area, removal of an existing play area and installation of new play equipment near the "Aidan's Place" play area, removal of existing fitness equipment and installation of new fitness equipment, renovation of existing walkways, installation of new concrete pathways, new drinking fountains, renovation of the asphalt maintenance road, removal of old concrete picnic pads, and associated landscaping and irrigation. The final design of the proposed improvements is illustrated on Attachment No. 1.

Staff estimates these improvements will cost approximately One Million One Hundred Sixty Four Thousand Four Hundred Dollars (\$1,164,400.00).

The new thirty thousand (30,000) square foot (0.69 acre) off-leash dog exercise and training area that is proposed to be installed as a part of this project is in substantial compliance with the standards identified in the Guidelines. The two areas where the proposed off-leash dog exercise and training area is not fully compliant with the Guidelines are as follows:

- The overall size of the proposed dog exercise and training area is below the standards in the Guideline. However the proposed configuration best meets the site constrains at Westwood Park. The proposed dog exercise and training area would have twenty one thousand (21,000) square feet (0.50 acres) for large dogs and nine thousand (9,000) square feet (0.19 acres) for small dogs.
- The proposed dog exercise and training area would displace one of the two children's play areas at Westwood Park. The play area that is proposed to be removed is the smaller of the two children's play areas and is underutilized by park patrons. In response, the project proposes to install additional children's play equipment near the "Aidan's Place" play area.

Staff has held four meetings with the local community, including with the Park Advisory Board and the Westwood Neighborhood Council, to discuss the proposed project. The community has been supportive of the project. Council District Five is also in support of the proposed project.

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PROJECT FUNDING

Upon approval of this report, One Million Three Hundred Sixteen Thousand Eight Hundred Ninety Five Dollars (\$1,317,895.00) in Quimby Fees from the Quimby Fees Account No. 89460K-00 can be transferred to the Westwood Park Account No. 89460K-WP and allocated to the Westwood Park – New Dog Park and Park Improvements (PRJ21050) Project.

Additionally, One Hundred Fifty Seven Thousand Eight Hundred Twenty Six Dollars and Fifteen Cents (\$157,826.15) in Quimby Fees, currently allocated to the Westwood Park – Synthetic Turf Field (PRJ20663) Project, can be reallocated to the Westwood Park – New Dog Park and Park Improvements (PRJ21050) Project.

The total funding available for the Westwood Park – New Dog Park and Park Improvements (PRJ21050) Project would be One Million Four Hundred Seventy Five Thousand Seven Hundred Twenty One Dollars and Fifteen Cents (\$1,475,721.15).

These Quimby Fees were collected within five (5) miles of Westwood Park, which is the standard distance for the allocation of the Quimby Fees to community recreational facilities pursuant to Los Angeles Municipal Code Section 12.33 E.3.

FUNDING SOURCE MATRIX

Source	Fund/Dept/Acct	Amount	Percentage
Quimby Fees	302/89/89460K-WP	\$1,475,721.15	100%
Total		\$1,475,721.15	100%

PROJECT CONSTRUCTION

Staff has determined that sufficient funding has been identified for the construction of the Westwood Park – New Dog Park and Park Improvements (PRJ21050) Project. Construction of this project is currently anticipated to begin in March 2017.

TREES AND SHADE

A total of eleven (11) new 24" box trees (3 - Liriodendron tulipifera (Tulip Tree), 2 – Pistacia chinensis (Chinese Pistache), 6– Handroanthus impetiginosa (Pink Trumpet Tree) will be added in the proposed dog park area. The new playground equipment will have integral shade over the swing set area, and the new benches on the opposite side of the area are located under new shade umbrellas.

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ENVIRONMENTAL IMPACT STATEMENT:

The proposed project will consist of repair and maintenance of existing streets and pedestrian trails in an existing park; minor alterations to land including new landscaping, and modifications to existing park facilities involving placement of new accessory structures. As such, Staff recommends that the Board determine that it is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Article III, Section 1, Class 1(3), Class 4(3) and Class 11(3) of the City CEQA Guidelines.

FISCAL IMPACT STATEMENT

The approval of this allocation of Quimby Fees will not have a negative fiscal impact on the Department's General Fund.

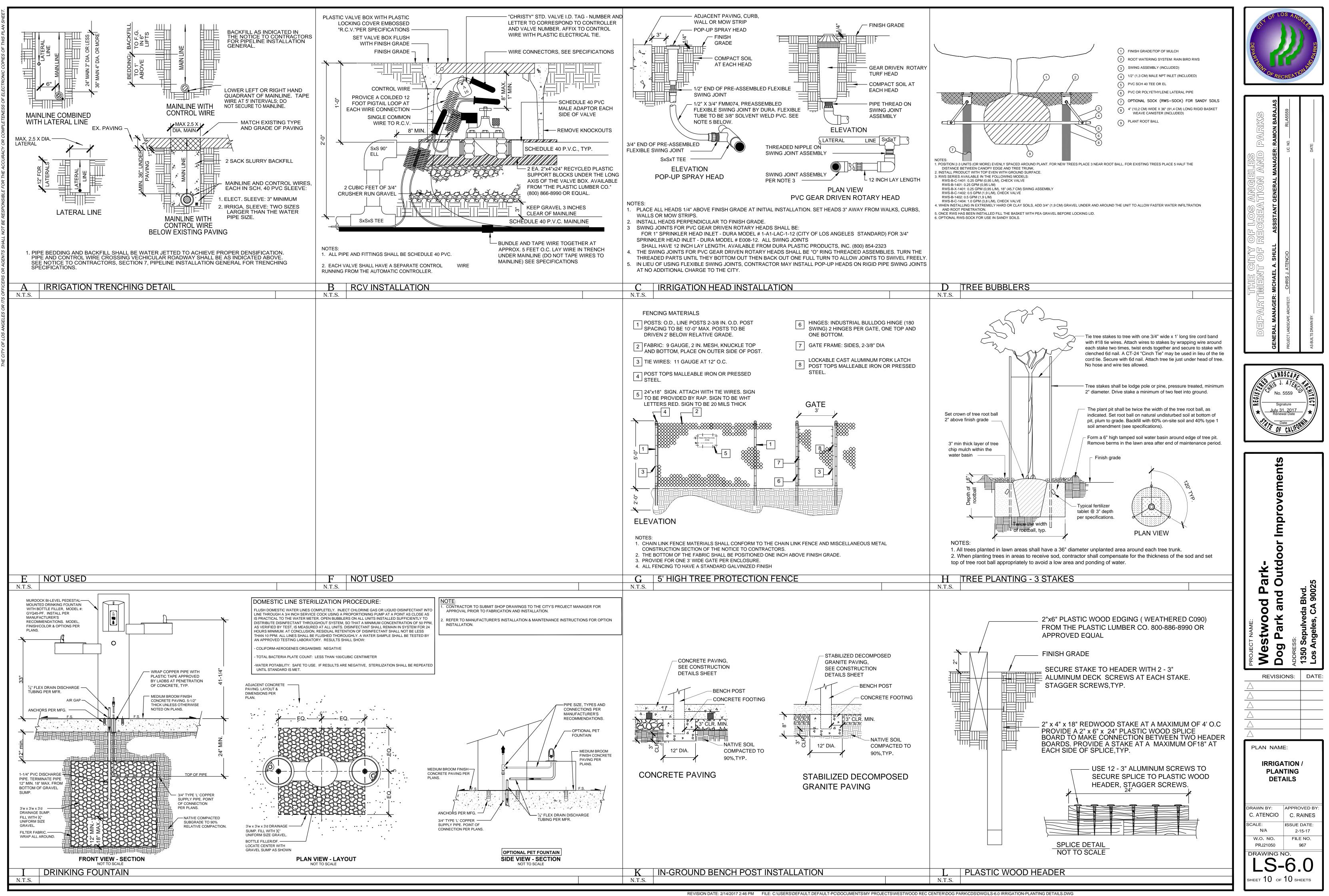
The estimated costs for the design, development, and construction of the proposed park improvements are anticipated to be funded by Quimby Fees or funding sources other than the Department's General fund.

The estimated additional annual maintenance costs for the proposed park improvements will be approximately \$53,334.80, which includes the costs for part-time staff, materials and supplies, and contractual services. Funds for the maintenance of the proposed park improvements will be requested as part of the annual City budget process.

This Report was prepared by Darryl Ford, Senior Management Analyst I, Planning, Construction and Maintenance Branch, Department of Recreation and Parks.

LIST OF ATTACHMENTS

- 1) Final plans and specifications for the Westwood Park New Dog Park and Park Improvements (PRJ21050) Project.
- 2) Off Leash Dog Exercise Area Policy and Off-Leash Dog Exercise Area Guidelines.



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IRRIGATION EQUIPMENT LEGEND:

SYMBOL	DESCRIPTION	DETAIL	NOTES
\bullet	Remote Control Valve, Rainbird GB, brass valve, see plan callout for valve size. (Some zones require RB PRS-D pressure regulating module @45 PSI see head legend)	В, L-6.1	Install per detail. Connect to new controller
	New Main Line piping: Schedule 40 PVC, solvent weld. Size as noted on plan. Connect to existing main line	A, L-6.1	See trenching detail for pipe depth coverage
	New Lateral Line piping: Schedule 40 PVC, solvent weld. Size as noted on plan.	A, L-6.1	See trenching detail for pipe depth coverage
======	PVC sleeve under paving. Contractor to provide. Recreation and Parks irrigation installer to coordinate with contractor to verfy exact locations. Sleeve pipe to be Schedule 40 PVC and shall be two pipe sizes greater than the piping which is to run in the sleeve, or 4" dia. for control wire without mainline. Cover depth shall be the same as the mainline.	A, L-6.1	

IRRIGATION NOZZLE LEGEND: ALL HEADS TO BE RAINBIRD SAM-1800 SERIES POP-UP: 1812 IN SHRUB/GROUND COVER AREAS & 1806 IN TURF AREAS

SYMBOL	NOZZLE MANUFACTURER/MODEL/DESCRIPTION	PRECIP. RATE	DEGREE	P.S.I.	GPM	RADIUS	REMARKS
	MP-1000 SHRUB ROTOR	.43	90	30	.16	12'	ADJUST RADIUS AS NEEDED FOR FULL COVERAGE.
\bigcirc	MP-1000 SHRUB ROTOR	.43	210	30	.32	12'	ADJUST RADIUS AS NEEDED FOR FULL COVERAGE.
	MP-1000 SHRUB ROTOR	.43	360	30	.37	12'	ADJUST RADIUS AS NEEDED FOR FULL COVERAGE.
RW	RAINBIRD ROOT WATERING BUBBLER ASSEMBLY. 36" LONG WITH SAND SOCK.	-	-	30	1.0	-	INSTALL TREE BUBBLERS FOR NEW TREES AND EXISTING TREES INSIDE NEW DOG PARK PER DETAIL. SEE DETAIL FOR THE NUMBER OF TREE BUBBLERS FOR EACH NEW TREE AND EACH EXISTING TREE.

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TURF
TO H

IRRIGATION NOTES:

IRRIGATION PLANS

THE PLAN(S) IS DIAGRAMMATIC. LOCATE ALL PIPING, VALVES, ETC. IN PLANTING AREAS WHERE POSSIBLE UNLESS OTHER WISE NOTED. LOCATE ALL IRRIGATION HEADS A MINIMUM OF 3" FROM THE EDGE OF CURBS, WALLS, FENCES, AND/ OR OTHER HARDSCAPE AREAS, 12" FROM BUILDING WALL AND 24" FROM ALL CONCRETE PAVING SURFACES .

VERIFY CONDITIONS

THE CONTRACTOR SHALL VERIFY WITH THE REC & PARK'S IRRIGATION SPECIALIST THE EXISTING LOCATIONS OF ALL UTILITY SERVICE LINES AND SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE INCURRED DURING HIS/HER WORK. THE CONTRACTOR SHALL VERIFY THE STATIC PSI AND THE GPM AT THE POINT OF CONNECTION PRIOR TO COMMENCEMENT OF WORK . NOTIFY THE PROJECT LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.

3. COVERAGE

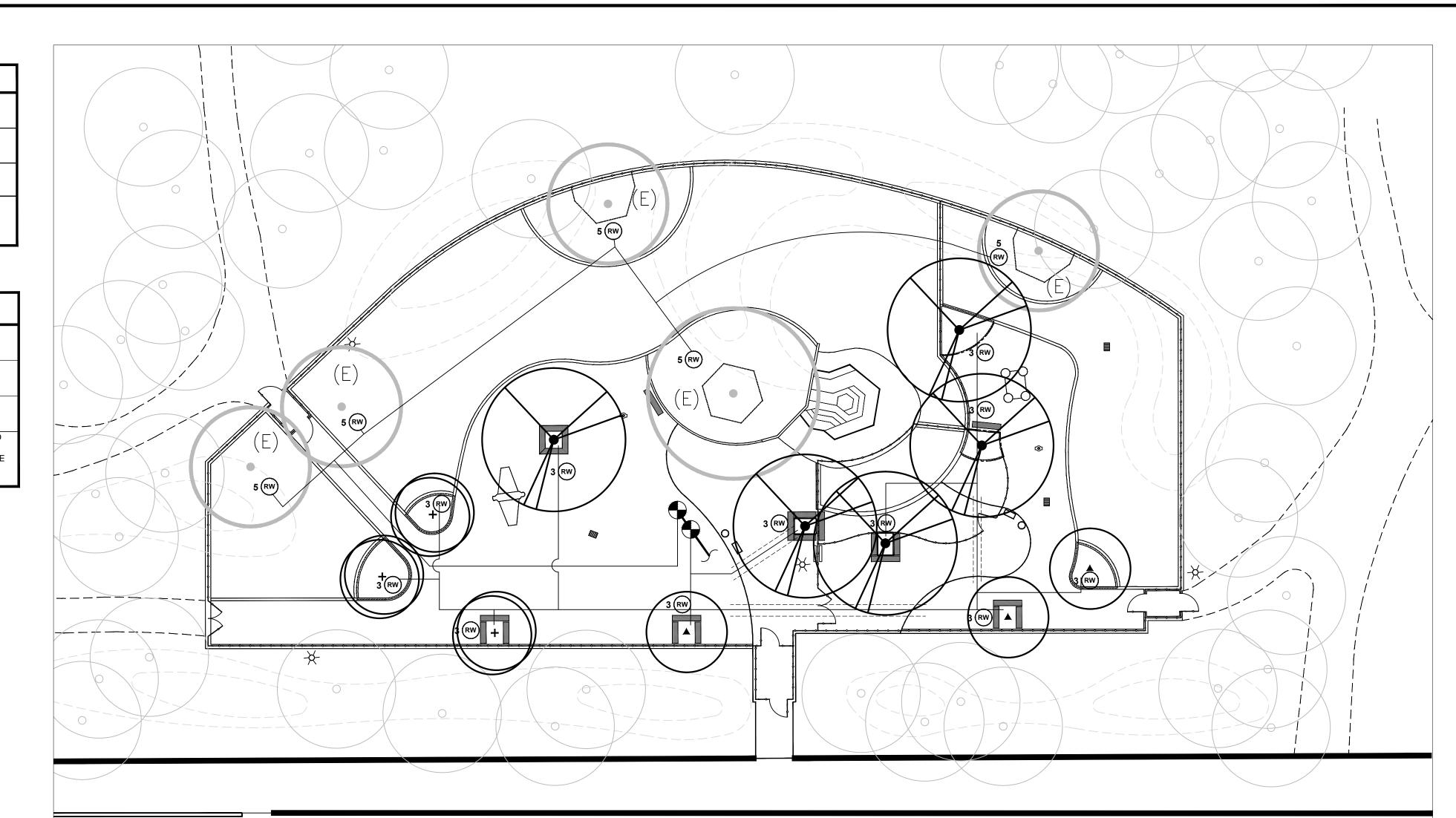
INSTALLER SHALL PROVIDE 100% HEAD TO HEAD COVERAGE AND SHALL ADJUST ROTOR AND SIDE STRIP RADII AS NEEDED TO MINIMIZE OVERSPRAY INTO ANY/ALL PATHWAYS. PROVIDE COVERAGE TEST IN THE PRESENCE OF A RAP LANDSCAPE ARCHITECT.

4. <u>WIRING</u>

NEW VALVE WIRES SHALL BE CONNECTED TO EXISTING CONTROLLER ' A' TO THE STATION NUMBERS INDICATED ON PLAN.

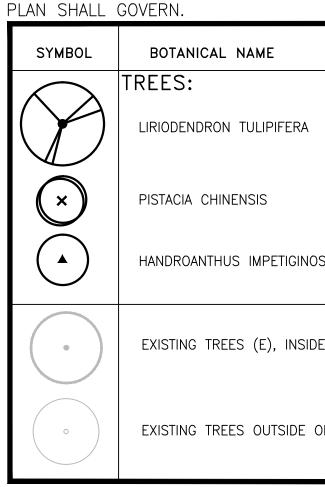
NOTE TO INSTALLER: NOTIFY THE PROJECT LANDSCAPE ARCHITECT TO VERIFY: a) TRENCH DEPTH b) HEAD COVERAGE/SYSTEM COVERAGE TEST

ROOT BARRIER NOTE: ALL PLANTING AREAS SHALL RECIEVE AN 18" LINEAR 'DEEP ROOT' ROOT BARRIER, MODEL #UB 18-2, WHEN THE TREE IS LOCATED WITHIN 5' OF NEAREST HARDSCPE SURFACE.



Έ:

VIDE IRRIGATION TO ALL NEW AND EXISTING ES AND NEW TURF INSIDE NEW DOG PARK. JST AND MODIFY EXISTING IRRIGATION AROUND DOG PARK SUCH THAT ALL EXISTING TREES AND F OUTSIDE OF NEW DOG PARK WILL CONTINUE IAVE 100% IRRIGATION COVERAGE.

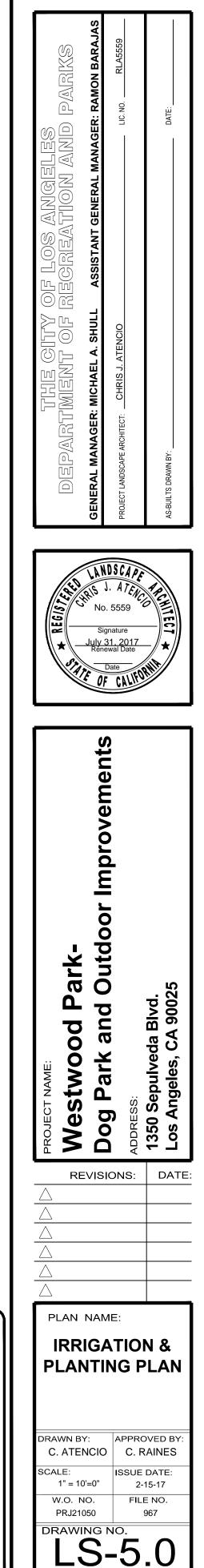


PLANT LOCATIONS: SPOTTED BY THE PROJECT LANDSCAPE PLANTING.

PLANT VERIFICATION:

 ALL PLANTS SHALL BE
 ALL PLANT NAMES AND

 QUANTITIES SHALL BE VERIFIED BY THE PROJECT ARCHITECT PRIOR TO | LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO SITE.



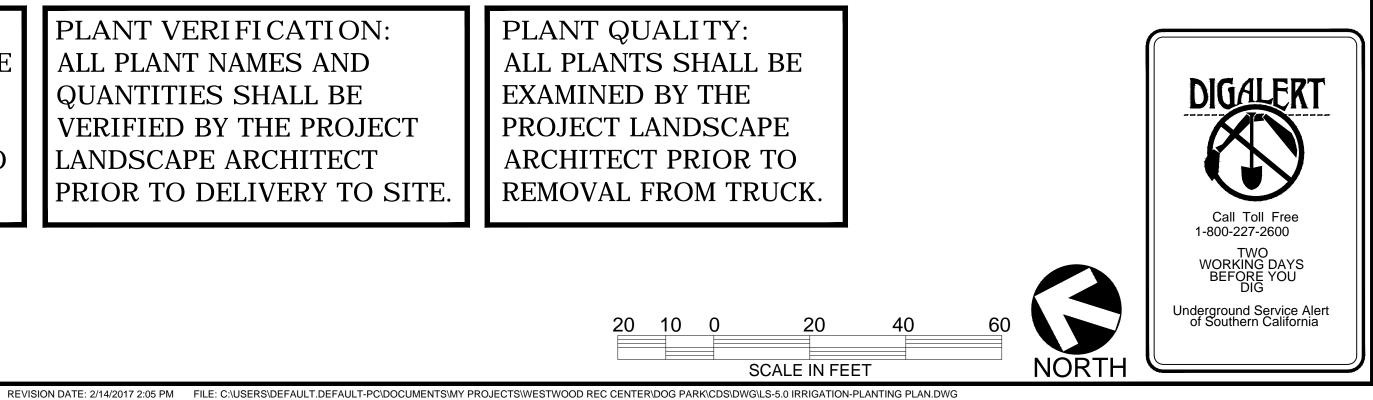
SHEET 9 OF 10 SHEETS

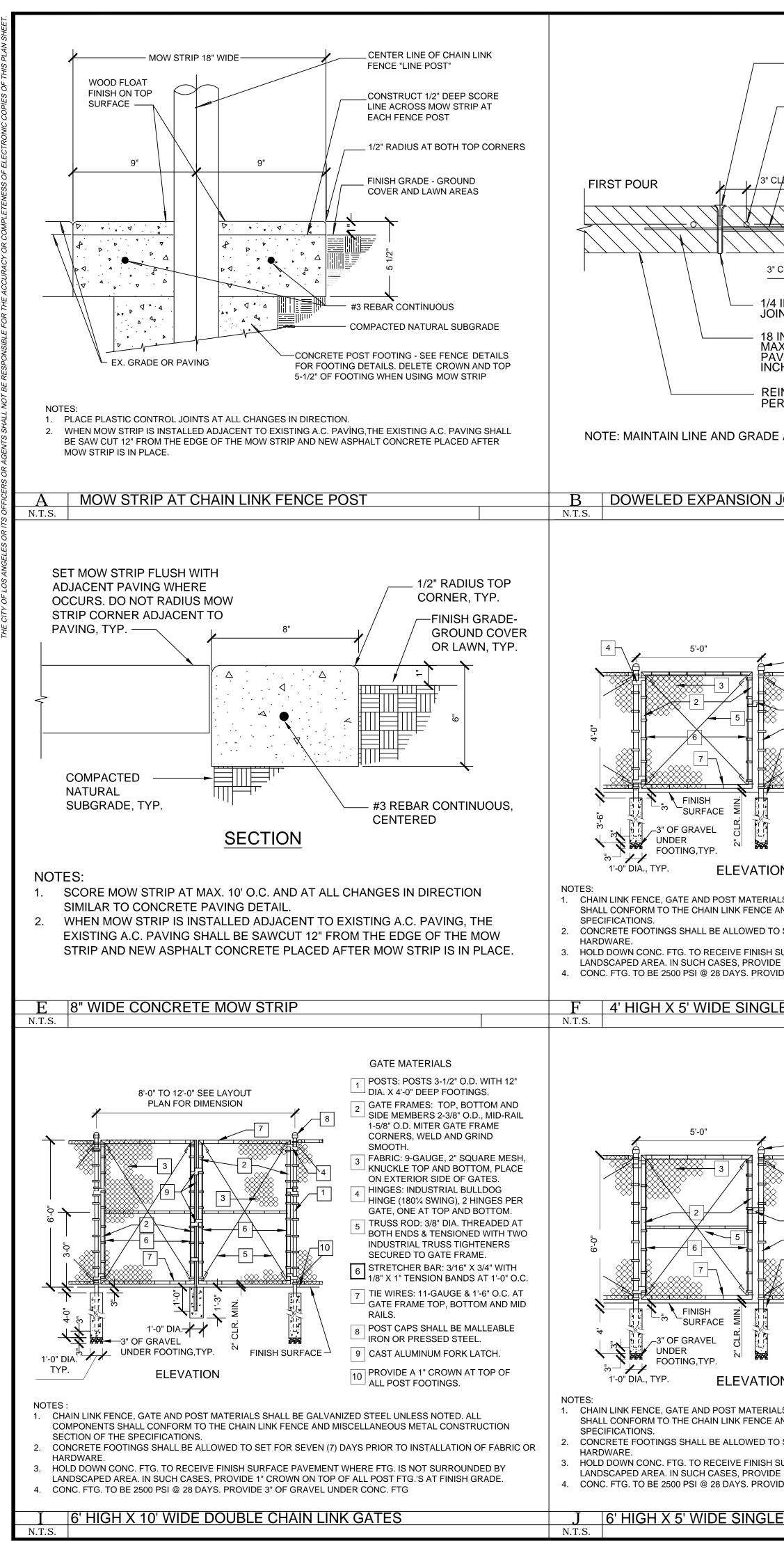
	COMMON NAME	QUANTITY	SIZE	REMARKS
A	TULIP TREE	5	24" BOX	NEW TREE. SEE PLAN FOR SPACING.
	CHINESE PISTACHE	3	24" BOX	NEW TREE. SEE PLAN FOR SPACING.
IOSA	PINK TRUMPET TREE	3	24" BOX	NEW TREE. SEE PLAN FOR SPACING.

EXISTING TREES (E), INSIDE OF NEW DOG PARK, PROTECT IN PLACE. PROVIDE TREE BUBBLERS PER IRRIGATION DETAIL.

EXISTING TREES OUTSIDE OF NEW DOG PARK, PROTECT IN PLACE.

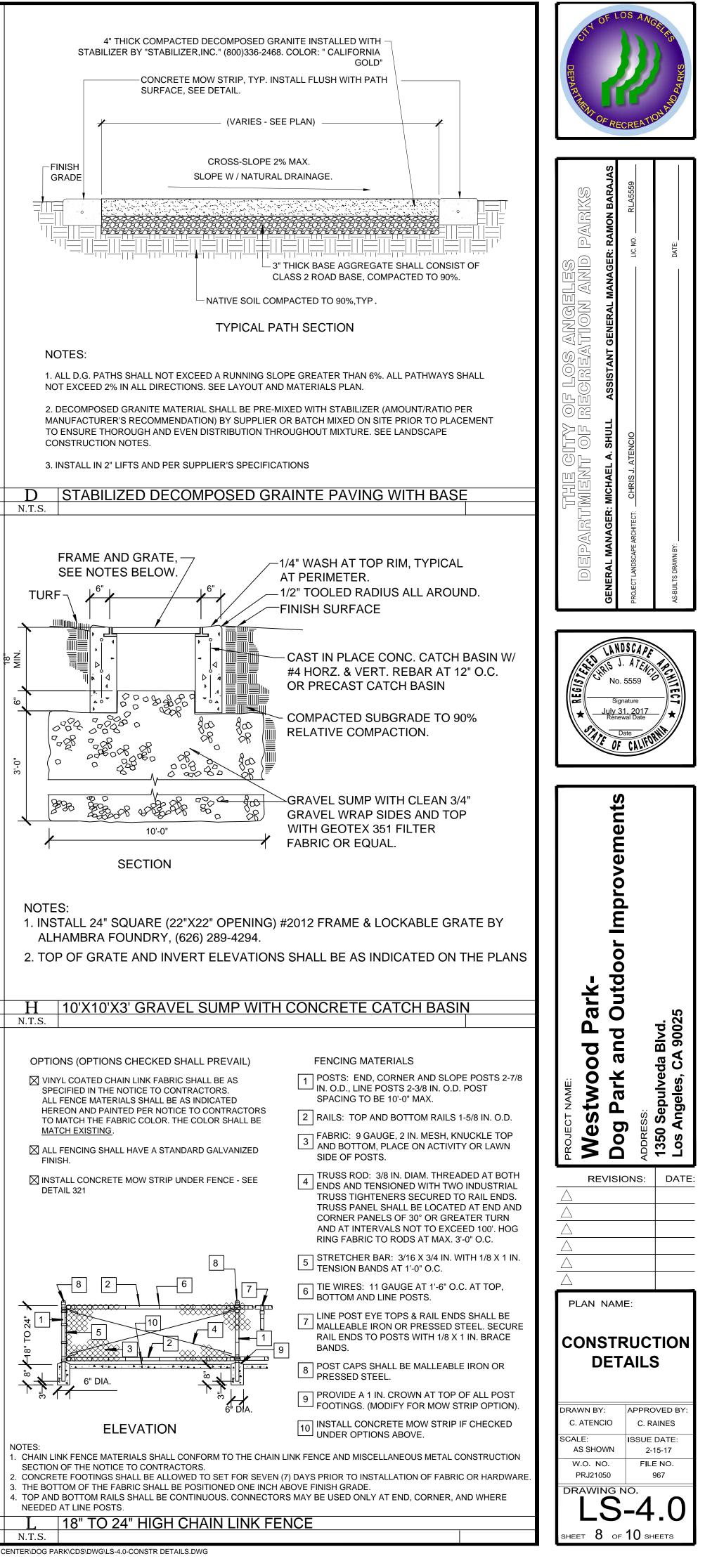
NOTE: THE PLANTING LEGEND IS FOR THE CONVENIENCE OF THE CONTRACTOR. IN CASE OF DISCREPANCIES, THE PLANTING

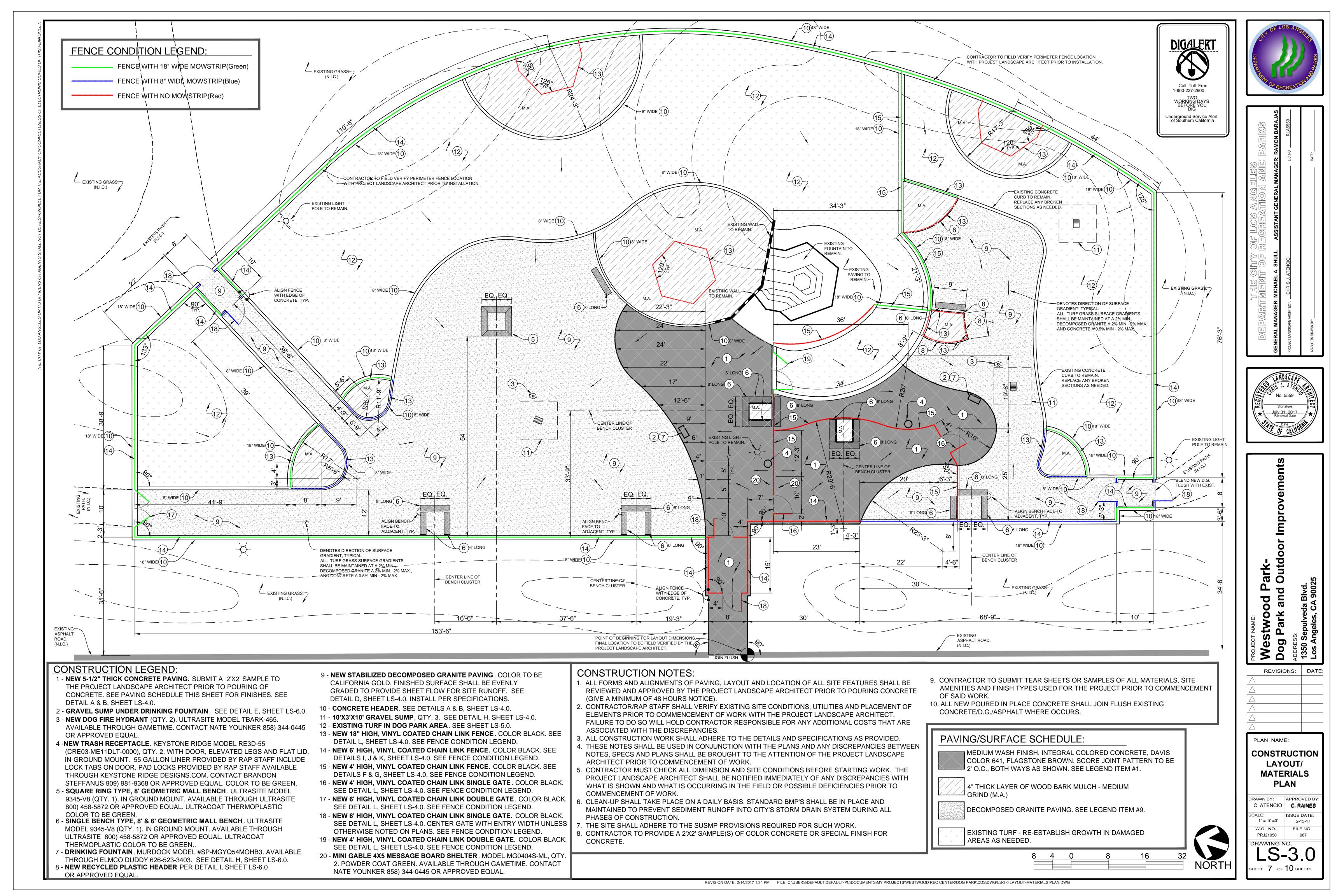


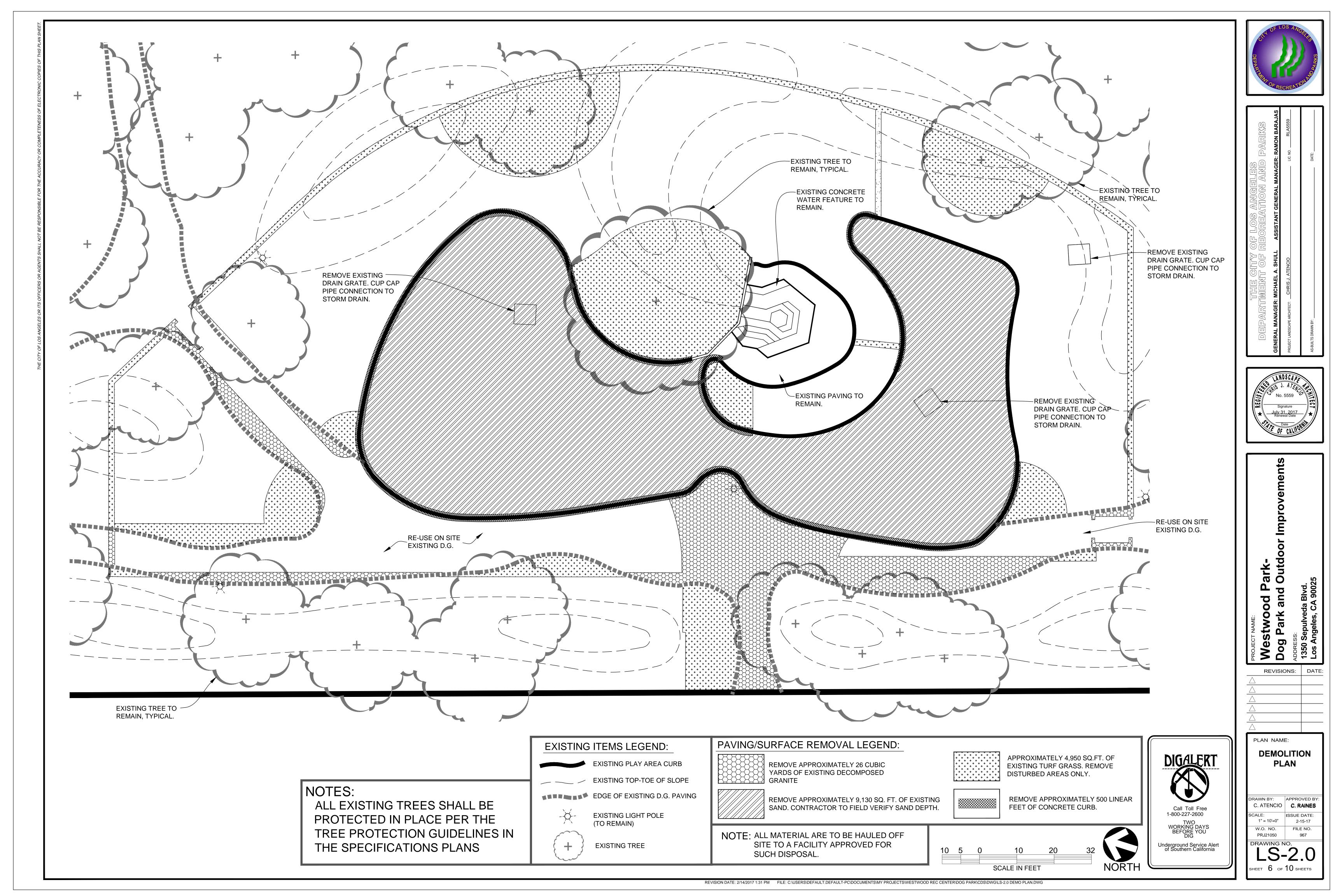


 FILL VOID WITH APPROVED ELASTOMERIC COMPOUND, COLOR TO MATCH CONC. #4 REBAR 3" CLEAR OF EDGE, TYPICAL, BOTH SIDES APPLY HEAVY COAT OF AXEL GREASE ALL AROUND EXPOSED END OF DOWEL BEFORE SECOND POUR AR TYP. SECOND POUR AR TEXPANSION JOINTS. 	<complex-block></complex-block>
IOINT	C CONCRETE PAVING WITH BASE
GATE MATERIALS 1 POSTS: 3-1/2" O.D. WITH 12" DIA. X 4'-6" DEEP FOOTINGS. 2 GATE FRAMES: TOP, BOTTOM AND SIDE MEMBERS: 2-3/8" O.D., MID RAIL 1-5/8" O.D. MITER GATE FRAME CORNERS, WELD AND GRIND SMOOTH. 3 FABRIC: 9-GAUGE, 2" SQAURE MESH, KNUCKLE TOP AND BOTTOM, PLACE ON EXTERIOR SIDE OF GATES. 4 HINGES: INDUSTRIAL BULLDOG HINGE (180° SWING), 2 HINGES PER GATE, ONE AT TOP AND BOTTOM. 5 TRUSS ROD: 3/8" DIA. THREADED AT BOTH ENDS AND TENSIONED WITH TWO INDUSTRIAL TRUSS TIGHTENERS SECURED TO GATE FRAME. 6 STRETCHER BAR: 3/16" X 3/4" WITH 1/8" X 1" TENSION BANDS AT 1'-0" O.C. 7 TIE WIRES:11-GAUGE AT 1'-6" O.C AT GATE FRAME TOP, BOTTOM AND MID RAILS. 8 POST CAPS SHALL BE MALLEABLE IRON OR PRESSED STEEL. 9 LOCKABLE CAST ALUMINUM FORK LATCH. 10 PROVIDE A 1" CROWN AT TOP OF ALL POST FOOTINGS. N S SHALL BE GALVANIZED STEEL UNLESS NOTED. ALL COMPONENTS ND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE SET FOR SEVEN (7) DAYS PRIOR TO INSTALLATION OF FABRIC OR URFACE PAVEMENT WHERE FTG. IS NOT SURROUNDED BY 1" CROWN ON TOP OF ALL POST FTG.'S AT FINISH GRADE. 2 3' OF GRAVEL UNDER CONC. FTG	 OPTIONS (OPTIONS CHECKED SHALL PREVAIL) SPECIFIED IN THE NOTICE TO CONTRACTORS. ALL FENCE MATERIALS SHALL BE AS SPECIFIED IN THE NOTICE TO CONTRACTORS. ALL FENCE MATERIALS SHALL BE AS INDICATED HEREON AND PAINTED PER NOTICE TO CONTRACTORS. MATCH TELESTING. ALL FENCING SHALL HAVE A STANDARD GALVANIZED FINISH. INSTALL CONCRETE MOW STRIP UNDER FENCE - SEE DETAIL 321 TUSS ROD: 33 RIN. DUAM. THREADED AT BOTH MAX. 3'4' OC. THUSS ROD: 33 RIN. DUAM. THREADED AT BOTH THOSEN AND AND AND THREADED AT BOTH THOSEN AND AND AND THREADED AT BOTH THOSEN AND AND AND AND AND AND AND AND AND AN
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1" CROWN ON TOP OF ALL POST FTG.'S AT FINISH GRADE. DE 3" OF GRAVEL UNDER CONC. FTG	 THE BOTTOM OF THE FABRIC SHALL BE PLACED 1" ABOVE FINISH GRADE. TOP AND BOTTOM RAILS SHALL BE CONTINUOUS. CONNECTORS MAY BE USED ONLY AT END, CORNER, AND WHERE NEEDED AT LINE POSTS.
E CHAIN LINK GATE	K 6' HIGH CHAIN LINK FENCE

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MAINTENANCE AND PLANT ESTABLISHMENT

The Contractor/RAP Construction staff shall be responsible for maintenance within the area of work throughout the period of construction and the plant establishment period. The maintenance shall include continuous operations of watering, the removal of all weeds in planting areas and all broad leaf weeds in lawn areas, mowing, rolling, trimming, edging, cultivation, fertilization, spraying, control of pests, insects and rodents, reseeding, plant replacement (irrespective of cause), or any other operations necessary to assure normal plant growth and the collection and removal of all trash daily. Any malfunctions of, or damage to, the irrigation system caused by the Contractor or RAP staff in the prosecution of his work shall be repaired within 24 hours.

The plant establishment period shall be for a period of 90 days unless extended as described in this section. The plant establishment period shall be started when all planting and related work has been completed, in accordance with the contract documents. The beginning of the plant establishment period shall be determined by an on site review by the Department of Recreation and Parks project Landscape Architect. Trees and shrubs shall be healthy and vigorous at the completion of the maintenance period. Broken or vandalized tree stakes shall be repaired to a condition as initially installed within seven (7) days of damage.

All lawn areas shall have 95 percent coverage with bare areas not exceeding three square inches. All lawns shall be of the grass specified and be free from all broad leaf weeds. The lawn shall not be allowed to grow higher than three (3) inches and shall be mowed to a one and one half (1 1/2) inch height. The lawn shall be mowed at least twice during the plant establishment period.

RAP Staff shall maintain the area of work at maximum seven (7) day intervals and perform any needed tasks to keep the plants in a optimum growing condition.

Five weeks after lawn seeding the RAP staff shall apply a slow release 38-0-0 granular fertilizer at a rate of 15 pounds per 1000 sq. ft. to all lawn areas. The fertilizer shall be applied in the presence of the Department of Recreation and Parks.

The RAP staff shall immediately replace any and all plant materials and/or grass which, for any reason dies or is damaged while under the Contractors care. Replacement shall be made with seed and/or plants as indicated or specified for the original planting.

All shrubs and ground covers shall be guaranteed for a period of ninety (90) days from the end of the plant establishment period. All trees and shrubs 15 gallon size or larger shall be guaranteed for a period of one (1) year from the end of the plant establishment period.

The designated plant establishment period is part of the total contract time. The plant establishment period will be extended at fourteen (14) day intervals if, at the end of the plant establishment period, the planting, irrigation and other improvements that do not reflect the intent of the plans

TREE PROTECTION SPECIFICATIONS

1.01 TREE PROTECTION

(a) All trees that occur within the area of work, as shown on the plans, and NOT specifically designated for removal, shall be protected by the following means:

- 1. ANY FAILURE BY THE CONTRACTOR TO ADHERE TO THE REQUIREMENTS SPECIFIED BELOW WILL RESULT IN THE SUSPENSION OF ALL CONSTRUCTION ACTIVITIES, TO BE DONE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF OR PAYMENT FOR ANY TREES DAMAGED THROUGH NON-COMPLIANCE WITH THESE SPECIFICATIONS. THE MONETARY OR REPLACEMENT VALUE OF IMPACTED TREES WILL BE DETERMINED BY A RECREATION AND PARKS (RAP) ARBORIST OR BY A RAP APPROVED ARBORIST.
- 2. Defining the Tree Protection Zone (TPZ) The radius (<u>not the diameter</u>) of the TPZ, measured from the outside of the tree trunk, shall be calculated according to the following:
- (a) Single trunk trees multiply the trunk diameter in inches, measured 4.5' above grade, by 1.5 feet. (b) Multi trunk trees - multiply the sum of the diameters of all trunks in inches, measured 4.5' above grade, by 1.5 feet.
- (c) Palm trees -5' from the base of the trunk.
- 3. Beyond the TPZ, the contractor shall also be responsible for protecting all trees within the boundaries of the construction zone, including vehicular access areas, lay down areas, and any other areas impacted by construction activities. Any damage to trees in these areas shall also be subject to the same monetary or replacement requirements specified in #1 above. Any necessary root cutting in this area must be confirmed with either the RAP or other approved arborist. See also the General Conditions for any damage done by the contractor to landscaping or other park amenities that fall outside the boundaries of the construction zone.
- 4. Within the boundaries of the construction zone (including the TPZ), the contractor shall be responsible for mitigating construction-related dust accumulation on all trees by spraying the trunks, limbs, and foliage with water to a maximum height of 30 feet during the months of April through November, at monthly intervals.
- 5. Within the TPZ, the contractor shall adhere to the following requirements, including, but not limited to:
- (a) No stockpiling or storage of any material, debris, or soil.
- (b) No storage of any construction equipment. (c) No vehicular access.
- (d) No cutting of roots.
- (e) No disturbance of soil or grade changes. (f) No objects of any kind to be attached to tree trunks.
- 6. The contractor shall install a 5' temporary chain link fence with one pedestrian access gate along the boundary of the TPZ. See detail for temporary chain link fence on detail sheet.
- 7. The contractor shall provide one sign per each 20 lineal ft. of fence bordering the TPZ indicating that fencing shall not be removed. See sign detail that is included as part of the temporary chain link detail.
- 8. No work is permitted within the TPZ without the approval of: 1) the project landscape architect, 2) the project manager, and 3) RAP Forestry staff. Any work authorized within the TPZ must be done in accordance with the recommendations of a RAP arborist and under the supervision of a Monitoring Arborist. A Monitoring Arborist must be: 1) an ISA Certified Arborist or a Registered Consulting Arborist, with verifiable experience in protecting trees during construction; 2) approved by RAP Forestry. The Monitoring Arborist shall be hired and paid by the contractor.
- 9. Irrigation to all trees NOT specifically designated for removal shall be kept in operation for the duration of the project. Contractor shall be responsible for hand watering all impacted trees if necessitated by temporary shutdowns to existing irrigation systems. Trees are to be irrigated deeply and infrequently so that soil moisture is detectable at a minimum depth of 18" using a soil probe.
- 10. Upon job completion, contractor shall remove all items installed to protect trees during the construction process.
- 11. Any of the following Southern California native tree species fall under Ordinance No. 177404 of
- the Los Angeles Municipal Code: (a) Oaks, including Valley Oak (Quercus Iobata), California Live Oak (Quercus agrifolia), or any other tree
- of the oak genus indigenous to California but excluding Scrub Oak (Quercus dumosa); (b) Southern California Black Walnut (Juglans californica var. californica);
- (c) Western Sycamore (Platanus racemosa);
- (d) California Bay (Umbellularia californica). Contractor shall comply with the requirements of the ordinance found at: http://cityplanning.lacity.org/Code_Studies/Other/ProtectedTreeOrd.pdf.

(END OF SECTION)

PART ONE - GENERAL

1.1 DESCRIPTION

Grubbing shall consist of the removal and disposal of wood roots, stumps, shrubs, brush, stone, boulders, clods, vegetable growth, etc. below the ground or subgrade surface.

1.2 QUALITY ASSURANCE

- C. <u>Miscellaneous Requirements</u>
- 1. Erection and maintenance of protections
- 2. Dust Control
- 3. Repair of Damages

PART TWO - PRODUCTS

2.1 MATERIALS

- CONTROL.

PART THREE - EXECUTION

3.1 SITE CONDITIONS Examine the job-site and conditions under which work of this Section will be performed. Correct conditions detrimental to timely and proper site-clearing operations, as directed by the City Engineer or the Consultant. Do not proceed until such detrimental conditions have been corrected.

3.2 PROTECTION

- directed by the City Engineer.
- facilities.
- С.

- latest edition.

3.3 SITE CLEARING AND GRUBBING

- A. General:

- requirements of the Project Manual.
- 72 hours prior to clearing operation.

SITE CLEARING AND GRUBBING

A. All site clearing and grubbing on the job-site indicated on the Contract Drawings.

B. Site clearing shall consist of removing all vegetable growth such as trees, roots, stumps, shrubs, brush, limbs; and stone, boulders, clods, wood and other vegetative growth from the growth surface. Clearing shall also include the removal and disposal of trash piles, rubbish, etc.

A. Labor: Use adequate numbers of skilled laborers thoroughly trained in site-clearing operations and experienced in the necessary crafts and completely familiar with the specified requirements and methods needed for the proper performance of the work of this Section.

*B. Codes and Regulations: Perform all work of this Section in strict accordance with applicable Government Codes and Regulations especially meeting all safety standards and requirements of CAL/OSHA, County and [1999] Los Angeles City Building Code and applicable Amendments. [Conform to all storm water pollution control measures as required and provided in Section 02220 - EARTHWORK of the Project Manual.] Provide additional measures, added materials and devices as may be needed as directed by the City Engineer or the Consultant at no added cost to the City.

Cleaning and Removal of Rubbish

D. Permits and Licenses: Procure all City, County and State Permits and Licenses, including Municipal Business License and pay all charges and fees for the same.

A. Soil Sterilant: As specified in Section 02200 - EARTHWORK.

B. Soil Treatment for Termite Control: As specified in [Section 02200 - EARTHWORK Section 02285 - TERMITE

C. Provide Materials not specifically described but required for completion of the work of this Section as selected by the Contractor subject to the approval of the City Engineer or the Consultant.

Protect Existing Structures and Site Improvements [Indicated to remain] from damage by approved methods and/or as authorized by the City Engineer. Removal of all protections shall be when work of this Section is completed or when so authorized by the City Engineer or the Consultant. Apply protections to adjacent properties as required and

B. Protect Existing Utilities [Indicated or made known to remain] traversing the job-site and serving existing adjacent

Protect Existing Trees and Shrubs [Indicated to remain] by providing temporary surrounding fencing so located a sufficient distance away so that trees and shrubs will not be damaged by site-clearing operations.

Protection of Persons and Property (existing structures and site improvements).

1. Provide barricades, warning signs at open depressions and holes on adjacent property and public accesses.

2. Provide operating warning lights during hours from dusk to dawn each day or as otherwise required.

3. Protect existing remaining structures, utilities, sidewalks, pavements other facilities from damage as caused by settlement, undermining, washout or other hazards created by site-clearing operations of this Section.

4. Provide and maintain pedestrian and vehicular access in accordance with Work Area Traffic Control Handbook (WATCH),

E. Use means necessary to prevent air pollution or dust from becoming a nuisance to the public, to neighbors and to others performing work on or near the job-site. Comply with governing regulations.

F. Maintain access to the job-site, other neighboring property, street and alley at all times.

G. The project site shall be maintained in conformance with Section 7-8 - PROJECT SITE MAINTENANCE of the Standard Specifications for Public Works Construction (SSPWC) and the requirements of this Project Manual.

1. For drawing clarity, not all trees, shrubs, brush, grass, weeds, or exact amount of trash or debris are shown on the drawings. Contractor shall carefully study the Contract Drawings, [the Soil Investigation Report and the Survey], visit the job site and verify the extend of the work to be done prior to the Bid.

2. Prior to starting job-site clearing operations in the company of the City Engineer or Consultant Architect, Soil Engineer and Inspector; visit the job site and verify the extent of the work.

3. Site clearing and grubbing shall conform to Section 300-1 - CLEARING AND GRUBBING of SSPWC and applicable

4. Site clearing and grubbing shall be done in the presence of the Soil Engineer. Contractor shall notify the City Engineer

SITE CLEARING AND GRUBBING cont.

B. Site Clearing and Grubbing Operations

- 1. To a depth of at least [1 feet] below [finish grade indicated on contract drawings] [existing ground surfaces] [or new graded surfaces whichever is lower] [or to a depth where settlement will not occur as caused by decomposition of roots]. Clean out all vegetable growth, roots, stomps, clods and other objective materials.
- 2. Treat roots remaining in the soil with a weed killer approved and as directed by the City Engineer or the Consultant.
- 3. Remove all concrete and masonry debris. Remove stones, boulders, clods which are [one (1) inch] [two (2) inches] or larger. Remove stones, boulders, clods which are one (1) inch or larger from all utility trenches.
- allow to pile up. Do not burn rubbish and debris on the job-site.
- 5. Remove all growths including trees and shrubs on the job-site within property lines including trees in tree wells and elsewhere [as noted on the Contract Drawings].
- 6. Existing Services to remaining structures are to be maintained at all times.

3.4 TOPSOIL

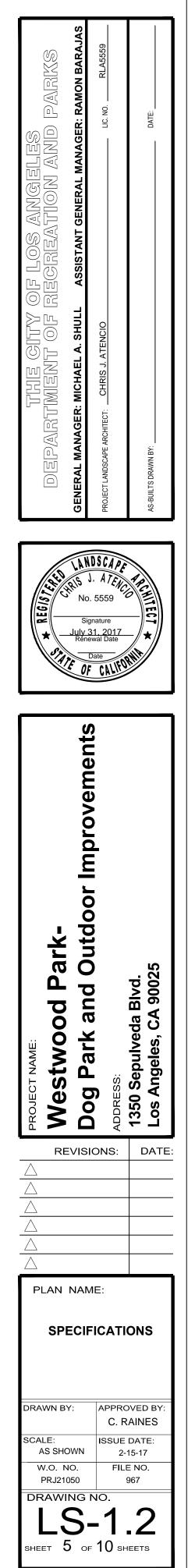
- A. Strip and remove existing sod, and stock pile existing sod if specified for reuse in the Contract Works.
- B. After proposed planting area(s) has been cleared of vegetation and grubbed, strip the existing topsoil to a depth specified and to provide at least a [6-inch depth of topsoil] [in areas shown on the Contract Drawings] to be turfed or planted and to fill planters without contamination with subsoils.
- **C.** If on site topsoil is specified for reuse, stock pile topsoil in an area clear of new construction or where directed by the City Engineer or the Consultant.
- [D. Maintain topsoil stockpiles in a manner which will not obstruct the natural flow of drainage.
- 1. Maintain the stockpiled topsoil free from debris and trash.
- 2. Keep the stockpiled topsoil damp to prevent drying out and creating a dusts source.
- 3. Soil samples shall be obtained and analyzed for agricultural suitability and fertility.
- 4. Place and compact backfill in the planting area. Add soil amendments to topsoil in accordance with the recommendation and cultivate in accordance with Section 02950-TREE, PLANTS AND GROUND COVER of the Project Manual.
- 5. Provide Soil Sterilization in accordance with Section 02220 EARTHWORK of the Project Manual.]
- 3.6 STORAGE OF MATERIALS AT THE JOB-SITE

Storage not permitted beyond brief accumulation awaiting pick up by removal trucks. Delays in the removal of site-clearing materials from the job-site shall be subject to the approval of the City Engineer or the Consultant.

(END OF SECTION)

4. Remove all existing rubbish and debris or those resulting from work operations of this Section as soon as possible, do not





IRRIGATION SYSTEMS cont.

CONTROLLER	TAPE BUNDLE COLOR
А	RED
В	YELLOW
С	BLUE
D	GREEN
Е	WHITE
F	BLACK

INSTALLATION OF IRRIGATION CONTROL WIRING

Wire bundles shall be taped at 5' o.c. Lay bundles in the mainline trench. Do not tape bundles to the mainline piping. $\sqrt{\sqrt{}}$ The Contractor shall run two extra black control wires from the automatic controller to the farthest value on the system, or to the farthest valve at each end of the controller area, if the farthest area extends in two directions from

Each controller shall have a separate 14 gage, AWG-UF, 600 volt, WHITE common wire for each 10 consecutive stations on each irrigation controller. stations 1 10

Common 1,	stations 1-10
Common 2,	stations 11-20
Common 3,	stations 21-30
Common 4,	stations 31-40

Department of Recreation and Parks.

the controller.

Each exterior controller enclosure shall have a ground rod installed if detailed on controller installation detail.

Wire shall not be taped to mainline (308-5.5). If control wires run in same trench as lateral lines, or are dead headed, wire depth shall be maintained at 24". For installation, see details.

$\sqrt{\sqrt{}}$ IRRIGATION SYSTEM FLUSHING AND TESTING

The irrigation system shall be flushed in the presence of the Department of Recreation and Parks project Landscape Architect. Flushing shall start with the valve closest to the point of connection and proceed with each consecutive valve toward the valve farthest from the point of connection. Each lateral system shall have each riser capped during the flushing commencing with the riser closest to the valve and proceeding to the farthest riser. After the entire irrigation system has been flushed the system shall be pressure tested in accordance with section 308-5.6 of the SSPWC

 $\sqrt{\sqrt{}}$ The irrigation system mainlines shall be pressure tested following the flushing of the complete system. The mainlines shall be tested for 24 hours at 125 p.s.i. with all control valves in place and closed. During the test, the Contractor shall provide pressure gauges downstream from the backflow device and upstream from the farthest remote control valve in the system. Air pressure testing of the irrigation system is acceptable if approved by the

RECORD DRAWINGS (AS-BUILTS) AND CONTROLLER CHARTS

As built plans shall be maintained daily throughout the construction period and turned over to the Department of Recreation and Parks project Landscape Architect at the Operational Final Inspection, as indicated in the General section of this Notice to Contractors in the Record Drawings Submittal section.

The Contractor shall provide two copies of a controller chart showing the irrigation system installed. The chart shall be done on a half size photographic reproduction of the irrigation plan and shall reflect the as-built data. Each station shall be shown in a different color and control wire locations shall be indicated. The complete plan shall be laminated on each side with a 20 mil acrylic plastic sheet. A 3/4" brass grommet shall be placed in each top corner. The Contractor shall obtain approval of the controller chart from the Department of Recreation and Parks, before proceeding with the plastic lamination.

WARRANTY FOR IRRIGATION SYSTEM WORK

The entire sprinkler irrigation system shall be warranted to be free from defects in materials and workmanship, and installed in accordance with this Notice to Contractors and the SSPWC. The Contractor shall be required to repair or replace any defects in material or workmanship which may develop within one (1) calendar year from the date of acceptance, ordinary wear and tear and unusual abuse or neglect excepted. Further, the Contractor shall be required to make any necessary repairs within 24 hours of notification at no cost to the Department. If the Contractor or his agent fail to make such repairs within the stipulated time, the Department shall make such repairs or have repairs made by a third party and bill the Contractor for all expenses that accrue from making such repairs.

GUARANTEE AGAINST SETTLEMENT

If, within one (1) calendar year from the date of acceptance, settlement occurs along mainlines, lateral lines, at valve boxes, or other irrigation related appurtenances, and adjustments in pipes valves and sprinkler heads are required to bring the system, sod, or paving to the level of the permanent grades, the Contractor shall make all adjustments without additional cost to the Department, including complete restoration of any planting, paving, or other improvements damaged as a result of settlement.

STEEL PIPELINE

Joints shall be made with Teflon tape applied to the male threads only, (308-5.2.2).

PLASTIC PIPELINE-SOLVENT WELDED OR THREADED ENDS

Prior to the application of the P.V.C. solvent cement, prepare all surfaces to be solvent welded with tetrahydrofuran primer tinted purple. Teflon tape shall be used on all plastic male pipe threads, (308-5.2.3).

BACKFLOW DEVICE INSTALLATION AND CERTIFICATION

The Contractor shall obtain certification of the backflow device and submit two copies of the certification to the Department of Recreation and Parks at the Operational Final. The backflow certification shall be made on the County Health Department standard form and filed with the County Health Department, Cross Connection Section, Room 150, 2525 Corporate Place, Monterey Park, CA, 91754. The contractor shall paint all backflow prevention devices above ground with two coats of forest green enamel. Mask all identification tags prior to painting, (308-5.3). After certification remove all test cocks, replace with threaded brass plugs, and deliver test cocks to the Department of Recreation and Parks.

6. CHAIN LINK FENCING AND MISCELLANEOUS METAL CONSTRUCTION

MATERIALS

$\sqrt{\sqrt{}}$ CHAIN LINK FENCING

Chain link fencing materials shall be as specified in details RP 500-506 and Section (206-6).

V Pipes for posts, braces and rails shall be Class 1, Schedule 40, ASTM F 1083 or, Class 1A, with a minimum 50,000 psi yield strength. Class 1 pipe shall be galvanized as indicated in this section of the Notice to Contractors. Class 1A pipe shall have a minimum hot dipped zinc coating of 0.9 oz./Sq. Ft., 15 micrograms of chromate per square inch and a minimum or 3 mils of acrylic coating on the exterior of the pipe. The interior coating of Class 1A pipe shall be hot dipped galvanized with .9 oz/ Sq. Ft. Zinc. Materials for chain link fence posts, rails and braces shall be sized as follows:

NOMINAL SIZE (inches)	ACTUAL O.D. (inches)	CLASS 1 PIPE Wall Thickness	CLASS 1 Weight LBS per lin. ft.	CLASS 1A PIPE Wall Thickness	CLASS 1A Weight LBS/L.F. (pounds)
1 1/4"	1 5/8"	.140	2.27	.110	1.82
1 1/2"	1 7/8"	.145	2.72	.120	2.28
2"	2 3/8"	.154	3.65	.130	3.12
2 1/2"	2 7/8"	.203	5.79	.160	4.64
3"	3 1/2"	.216	7.57	.160	5.71
3 1/2"	4"	.226	9.11	.160	6.56
4"	4 1/2"	.237	10.79	NA	NA
6"	6 5/8"	.280	18.97	NA	NA

CHAIN LINK FENCING AND MISCELLANEOUS METAL CONSTRUCTION cont

CHAIN LINK FABRIC

Colors shall be selected from color chip samples provided by manufacturer of paint system approved for use by the meet the galvanizing requirements contained in this section of the Notice to Contractors, (206-6.3). Department of Recreation and Parks project Landscape Architect. STEEL SHAPES CONDITION OF SURFACES TO BE PAINTED All structural steel shapes shall be as specified in the applicable detail.

 $\sqrt{\sqrt{}}$ GALVANIZING

Where called out, metal products shall be hot dipped galvanized in accordance with TABLE 210-3.2(A) of the SSPWC.

 $\sqrt{\sqrt{}}$ MANUFACTURER'S CERTIFICATE OF COMPLIANCE The manufacturer of the Chain link fabric, fence posts, rails and braces shall provide the Contractor a Certificate of compliance for each shipment sent to the project site. The Certificate shall state that the materials delivered conform the specification for materials as indicated in Section 8 of these Notice to Contractors. The Certificate of Compliance shall be delivered to the Construction Manager before any fencing materials are installed at the project site.

REPAIRING OF DAMAGED GALVANIZED SURFACES Galvanized surfaces which have been damaged in transport or during installation shall be re-coated using the metalizing process or zinc oxide, zinc dust paint per Section 210-3.5 of the Standard Specification.

TUBULAR STEEL SHAPES Cold formed shapes for tubular steel fencing shall conform to ASTM A 500, Grade B, in the size and wall thickness shown on the plans and details. Unless specified on the plans all post and rails shall be 3/16" thick. All pickets for fencing shall be 11 gauge.

 $\sqrt{\sqrt{}}$ TUBULAR STEEL WELDING Shall conform to the AWS code for procedures, appearance and quality. All welds shall be ground smooth. All

- fabricated metal fencing panels shall be shop assembled and welded. VV PAINTING (TUBULAR STEEL AND CHAIN LINK FENCING WHEN REQUIRED)
- "Factory" coated tubular steel fencing or chain link fencing shall be exempted from this requirement. All other shop fabricated tubular steel fencing or fencing constructed on site shall be painted in accordance with the requirements for painting "Ferrous Metal (Non-galvanized) Surfaces" below. The two finish coats shall be black unless otherwise specified.

METHODS

CHAIN LINK FENCE Chain link fence shall be installed and stretched tight between posts.

All connection bolts shall not extend more than 1/4 inch past the end of the nut and be free from burrs.

TUBULAR STEEL PAINTING Prior to priming and painting, all steel shall be made free of loose mill scale, rust, oil and grease. Welds shall be smoothed by grinding. Damage to "factory" coated tubular steel or chain link fencing shall be repaired after installation by sanding damaged paint surfaces and by applying one coat of manufacturer specified primer and two new coats of specified color coat.

7. PAINTING

MATERIALS

Paint systems, catalog names, and product numbers listed below are based on products of Dunn-Edwards Corporation. This shall be considered the standard of quality against which the Department of Recreation and Parks will judge equivalency. Equivalent materials from alternate manufacturers will be considered as an approved equal. Contractor's material submittal for proposed alternate must include complete material specifications from manufacturer. Paint systems described below are for specific surfaces as indicated. In addition to the information provided herein, paint materials shall also be governed by the requirements set forth in section 210-1 of the SSPWC.

Ferrous Metal Tubular Shapes (Non-Galvanized), Semi-Gloss

Painting Sequence	Finishing Schedule	Recoat And Drying Time	Coverage At Required Wet Film Thickness	Required We Film/Dry Filr Thickness
1 st coat: Synthetic	Corrobar	Min. 24 hrs.	450 square feet	3.5 wet mils;
alkyd white corrosion	(43-5)	Max. 72 hrs.	per gallon	2.0 dry mils
inhibiting primer				
2 nd coat: Semigloss	Permashee	Dry to touch: 30	375 square feet	4.2 wet mils;
enamel acrylic latex	n (W 901)	min.; Recoat: 4	per gallon	1.5 dry mils
exterior enamel		hrs.		
3 rd coat: Semigloss	Permashee	Dry to touch: 30	375 square feet	4.2 wet mils;
enamel acrylic latex	n (W 901)	min.	per gallon	1.5 dry mils
exterior enamel				
b		•	•	

Non ferrous metals (Galvanized steel, Aluminum, Cor-Ten® Steel), Semi-Gloss

Painting Sequence	Finishing Schedule	Recoat And Drying Time	Coverage At Required Wet Film Thickness	Required We Film/Dry Filı Thickness
Pre-coat: galvanized steel only. Acid etch*	Galva-etch (GE 123)	n/a	n/a	n/a
1 st coat: Alkyd primer	Galv-Alum (QD 43-7)	Dry to touch: 30 min.; recoat: 2 hrs. † Max. 48 hrs.	350 square feet per gallon	4.6 wet mils; 2.0 dry mils
2 nd coat: Synthetic alkyd white corrosion inhibiting primer	Permasheen (W 901)	Dry to touch: 30 min.; Recoat: 4 hrs.	375 square feet per gallon	3.5 wet mils; 2.0 dry mils
3 rd coat: Semigloss enamel acrylic latex exterior enamel	Permasheen (W 901)	Dry to touch: 30 min.	375 square feet per gallon	4.2 wet mils; 1.5 dry mils

* Galva-etch is a water reducible acid pre-treatment for galvanized metals. Do not use on aluminum.

+ Recoat time for Galv-Alum is 2 hours if material is sprayed, 16 hours if brushed or rolled. Second coat must be applied within 48 hours

Primers, Sealer, and Undercoaters

primer/sealer	Alkyd based	Block-it (QD 42-56) Quick-dry pigmented primer/sealer	Dry to touch: 30 min.; Recoat: 1 hr.	435 square feet per gallon	3.7 wet mils; 1.5 dry mils
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Galvanized steel chain link fabric shall conform to ASTM A 392, Class 2, 1.20 0z./Sq.Ft. zinc. Fabric shall be 9 gauge and be woven in a 1 1/2" mesh unless otherwise indicated on the plan. Top and bottom selvages shall be knuckled.

PVC coated galvanized steel fabric, when specified, shall conform to ASTM F 668, Class 2b, "fused and adhered", and

Contractor shall verify condition of surfaces to be painted prior to commencement of painting work. Work of other trades that been left or installed in a condition that is not suitable to receive paint, stain, or other specified coatings shall be immediately called to the attention of the Department of Recreation and Parks. Painting of defective or unsuitable surface implies acceptance of the surfaces.

PROTECTION OF EXISTING WORK

Refer also to section 310-1of the SSPWC.

PAINTING cont.

COLOR SPECIFIED

METHODS

GENERAL

The Contractor shall take all necessary precautions to protect previously installed work and materials which may be NOTE: It is required that herbicides be applied by a licensed PEST CONTROL APPLICATOR. affected by work. Items to be protected include, but are not limited to, turfgrass, shrubs, trees, ground cover, prefinished surfaces, and adjacent surfaces. Contractor shall furnish at his expense sufficient drop cloths, shields, and other protective CONTRACTOR RESPONSIBILITY DURING WEED ABATEMENT OPERATION AND devices necessary to prevent spray or splatter from fouling surfaces not being painted. Contractor shall be responsible for APPLICATION PRECAUTIONS protecting equipment and fixtures from damage resulting from use of fixed, movable and hanging scaffolding, planking and staging, (310-1.4) Damaged equipment to be repaired or replaced at contractor's expense.

PROTECTION OF NEW PAINTING

"WET PAINT" signs, barricades, and such other devices as are required to protect newly finished surfaces shall be provided. Contractor shall be responsible for removal of signs protective materials, and temporary protective wrappings provided by others for protection of their work after completion of painting operations.

SURFACE PREPARATION, GENERAL

The Contractor shall perform preparation and cleaning procedures in strict accordance with coating manufacturer's instructions for each substrate condition, (310-2)

 $\sqrt{\sqrt{}}$ SURFACE PREPARATION FOR GALVANIZED SURFACES

Galvanized surfaces shall be prepared for painting in accordance with section 310-3 of the SSPWC.

 $\sqrt{\sqrt{}}$ SURFACE PREPARATION FOR WOOD SURFACES Wood surfaces shall be prepared for painting in accordance with section 310-4 of the SSPWC.

APPLICATION

The Contractor shall apply painting and finishing materials in accordance with the manufacturer's printed instructions. Application methods and techniques that are best suited for the materials and surfaces to which coatings are being applied shall be used, (310-5)

The number of coats specified is the minimum that shall be applied. All undercoats shall be tinted to the approximate color of the finish coat. The Contractor shall apply additional coats when undercoats, stains, or other conditions show through the final paint coat, until paint film is of uniform finish, color and appearance.

Each material shall be applied at not less than the manufacturer's recommended spreading rate and mil thickness. The total dry-film thickness of coatings shall not be less than 1.2 mils for each required coat.

CLEANING, TOUCH-UP AND REFINISHING

The Contractor shall remove all spattering, spots and blemishes caused by work done throughout the work period. Upon completion of painting, the Contractor shall remove all rubbish, paint cans and accumulated materials resulting form work and dispose of off site. All areas of work shall be left in a clean, orderly condition. Runs, sags, misses, holidays, stains, or any other defects in the painted surfaces, including inadequate coverage and mil thickness, shall be satisfactorily touched up, refinished, or repaired a necessary to produce a result satisfactory to the Department of Recreation and Parks project Landscape Architect.

8. LANDSCAPE PLANTING

MATERIALS

Coverage At Required Wet

AMMONI UM PHOSPHATE

Shall be a standard agricultural grade of ammonium phosphate having guaranteed analysis of 16-20-0.

GYPSUM Shall be agricultural grade.

ESTABLISH - GENERAL PURPOSE FERTILIZER(Not intended for soils with Native Plant Materia) l Shall have a minimum analysis of 1-1.3-5, (N-P-K), derived from rock phosphate, peat moss, chicken manure, sand, sulfate of potash, gypsum, and EDDHA chelate. As manufactured by Earth Works Soil Amendment, Inc., (310) 322-9702, or an approved equal.

HYDROSEED MULCH FIBER

Shall consist of virgin wood fiber of Aspen or Alder. It shall not contain any waste paper, newsprint or straw material. The mulch shall contain a green dye to facilitate application. Fiber shall be as manufactured by Conwed Co., (Green Tag), Silva-Fiber by Weyerhauser Co., or an approved equal, (212-1.2 (e)). Submit spec to the project Landscape Architect prior to start of work.

HYDROSEED STABILIZER

HYDROBLEND SOIL ACTIVATOR

Shall consist of natural muciloid materials supplied by Ecology Controls M-binder, (805) 684-0436, no equal.

Shall have a minimum analysis of 1.2-1.4-5, (N-P-K), derived from rock phosphate, peat moss, chicken manure, sulfate of All plant pit backfill mix to be amended per Agricultural Suitibility test recommendations that had been performed potash, gypsum. As manufactured by Earth Works Inc., (310) 322-9702, or an approved equal. by approved Lab.

FEATHER MEAL

Unless otherwise specified, the backfill mix for all plants shall be 60% percent on site soil and 40% percent Type I Shall have a minimum analysis of 12-0-0, (N-P-K), derived from feathermeal. As manufactured by Earth Works Inc., (310) organic soil amendment and 1 lb. of "Establish," general purpose fertilizer per gallon of container, or 1 lb. per each 322-9702, or an approved equal. 4" of box size. "Broadleaf P-4" water holding poylmer shall also be added to the backfill mix at the rate of 1 oz. per foot of rootball diameter. Backfill shall be native soil where native plant material is used.

NITROFORM UREAFORM

Shall be a standard commercial grade of nitroform having a guaranteed analysis of 38-0-0.

ORGANIC AMENDMENT

Shall be type I organic soil amendment, consisting of nitrolized fir shavings.

OVERSEED TOPDRESSING, EARTH WORKS ORGANIC TOPDRESSING Shall be, derived from composted wood products, peat moss, chicken manure and a wetting agent. As manufactured by

Earth Works Inc., (310) 322-9702, or an approved equal.

Shall be a standard agricultural grade of potassium sulfate having guaranteed analysis of 0-0-50.

ROUNDUP

Potassium sulfate

Shall be a water-soluble herbicide for non-selective control of weeds containing 480 grams per liter of the active ingredient Isopropylamine salt of N-(phosphonomethyl) Glycine (Glyphosate) per U.S. gallon, as manufactured by Monsanto Chemical Company, or approved equal.

PRE-EMERGENT HERBICIDE

Shall be Balan Granular, by Elanco, or an approved equal. All pre-emergent herbicides, when required, shall be specified and applied by a licensed Pest Control Advisor.

FERTILIZER TABLETS

Shall be fertilizer tablets shall be Agriform 21 gram, 20-10-5, available from Western Farm Service, (805) 487-4961. MULCH

Shall be seasoned tree chip mulch, free all foreign matter including weed and tree seeds. Mulch chip size shall be minimum one (1) inch in diameter and not more than two (2) inches in diameter. Submit sample of mulch and source to Landscape Architect/ The Department of Recreation and Parks for approval prior to application.

WATER HOLDING POLYMER

Shall be "Broadleaf P-4"

METHODS

TOPSOIL PREPARATION - GENERAL

The type and thickness of topsoil shall be as shown on the plans. If not shown, the topsoil shall be the existing class "C" on-site topsoil. Remove all stones over 1 inch in greatest dimension, to a depth of 6 inches below finish grade, (308-2.3.1).

Prior to planting, the top six (6) inches of all areas (including slopes) shall be free of weeds, stones, and other deleterious matter one (1) inch in diameter and larger.

RAP STAFF/ CONTRACTOR TO: Provide agricultural suitability tests from a approved Lab for all areas that are to be planted. Depth of test to coincide with size of material to be planted, i.e.: bore depth fo turf 6, 12" for shubs and 24" for trees. Suitability text to be given to the project Landscape Architect. Contractor/RAP staff to amend soils as recommended on the soils report. Soils report recommendations shall supercede amendments specified here within.

The soil preparation materials shall be cultivated into the soil to a depth of 6 inches minimum and thoroughly watered,

TOPSOIL PREPARATION

(308 - 2.3.1).

If not otherwise specified, all lawn and ground cover areas shall receive the following soil preparation: 3 cubic yards, Type I organic soil amendment per 1,000 sq. ft., (.003 CY/Sq.Ft.)

- 75 lbs of Establish per 1,000 sq.ft., (.075 Lbs./Sq.Ft.)
- 5 lbs. of Feathermeal, 12-0-0, per 1,000 sq. ft., (.005 Lbs./Sq.Ft.)

LANDSCAPE PLANTING cont.

FINISH GRADING (FOR LAWN AREAS)

Finish grading of lawn areas shall take place after the soil has dried out to a workable condition following the soil preparation operations. The soil shall be remodeled and smoothed to the required grades and contours, then rolled in two directions at right angles with a water ballast roller weighing 200 to 300 pounds. Any resulting irregularities in the grade after the initial rolling shall be re-raked, cut or filled, then re-rolled until the grade is free from irregularities. No heavy objects shall be taken over the areas at any time. The final finish grade shall be uniform, without abrupt changes in grade, within one-tenth of a foot of the grades shown on the plan, and approved by the Department of Recreation and Parks project Landscape Architect prior to seeding, (308-2.4).

WEED ABATEMENT ("GROW AND KILL")

Weed abatement shall apply to all turf and planting areas. The abatement operation shall be commenced only after removals, grading, hardscape, construction, installation of irrigation system, soil preparation, and fine grading of turf and planting areas have been completed.

The Contractor/RAP staff shall abide by all laws and codes governing weed abatement operations including but not limited to CAL-OSHA requirements and The Healthy School Act which includes 72 hour notice to employees and patrons, submittal of a "Pest Control Recommendation Form" to Recreation and Parks, and a completed and accurate MSDS (Material Safety Data Sheet) to be at the site of application. The area of application shall be posted as such and barricaded for public safety and information. On sites over 1/2 acre in size the contractor shall utilize a Department of Recreation and Parks approved plan of phasing the application.

The Contractor/RAP staff is responsible or any and all damage done to plant materials outside of the treatment area. Contractor shall replace, in kind and size, any plant material damaged or killed through the application of herbicide.

Any Contractor, who is obligated under contract with the Department for the construction or refurbishment of a park facility that involves the intended use of herbicides or other pesticides, must first notify the pest management supervisor of the Forestry Division. Prior to any approved pesticide applications at any recreation/child care center, the contractor is also required to notify the recreation director-in-charge at least 72 hours in advance of the date/s of application. This is to conform to the State of California Healthy Schools Act of 2000(AB2260). Also, all pest control work performed at any facility should fall within the guidelines of the Department's IPM programs. In addition, each individual project will require a written recommendation by a licensed Pest Control Advisor for any pesticide application.

Any questions regarding pesticide application and procedures at Recreation and Parks facilities shall be directed to the Department of Recreation and Parks and the Department's Forestry group, Vegetative Management (213) 485-4826.

In addition to the afore listed responsibilities the following precautions shall be observed in handling and applying herbicide:

- 1. Before applying, Contractor shall read and understand all instructions provided by the manufacturer. 2. Product shall not be used when winds are gusty or in excess of 3 miles per hour, or when any other conditions exist, which would result in drift
- 3. Avoid combinations of pressure and nozzle type or adjustment that result in mist.
- 4. Do not apply during rain, or if rain is forecast within twelve hours. If rain occurs within twelve hour period, material must be reapplied after plant growth has dried out.
- 5. Contractor shall observe extreme care not to allow spray to contact desirable plant material. Use cardboard, plywood, or other appropriate material to shield plant materials outside of the treatment area from overspray. 6. Do not apply to bare ground.
- 7. Do not add any other products to any herbicide mix, including spreader stickers or surfactants, unless required by the label directions and approved by the Department's Pest Control Advisor (PCA).

WEED ABATEMENT: GROW AND KILL METHOD

- Contractor shall follow the "grow and kill" steps set forth below: Step 1. Clear site of all dead or living vegetative growth by hand or mechanical means.
- Thoroughly water all turf and planting areas daily to keep soil evenly moist for a period of at least two Step 2.
- At the conclusion of the growth period, treat all plants within the treatment area with Roundup at an Step 3. application rate of five (5) quarts of Roundup mixed in 50 gallons of clean water per acre applied by spraying. Thoroughly moisten all plant material with herbicide.
- Do not water or otherwise disturb treated areas for a period of two (2) weeks. After two week kill period, remove all dead plant growth. If any living plants are observed, entire Step 5.
- plant, including roots, shall be removed by hand. Minimize physical disturbance of the soil.

WEED SUPPRESSION (NON-HERBICIDE WEED REMOVAL)

Weed suppression, shall apply to all turf and planting areas. The suppression operation shall be commenced only after removals, grading, hardscape construction, installation of irrigation system, soil preparation, and fine grading of turf and planting areas have been completed. Contractor shall thoroughly water all turf and planting areas for a period of two weeks minimum prior to commencing removal. Contractor shall clear site of all dead vegetation and living weeds by hand or mechanical means. All removed vegetation shall be properly disposed of off site and site to be inspected by the project Landscape Architect prior to commencement of work.

TREE AND SHRUB PLANTING

Plant pits for all 1 gallon, 5 gallon, 15 gallon, and all boxed size trees, shall be twice the width and equal to the depth of the container rootball. Note that this requirement differs from the SSPWC (308-4.5).

Unless plant material is native, Each plant pit shall also receive "Agriform" slow release fertilizer tablets, 21 gram, 20-10-5, as shown in the relevant planting details, and as follows: 1 gallon - 1 tablet

5 gallon - 2 tablets

15 gallon - 6 tablets

Larger than 15 gallon size - 2 tablets per half inch of trunk diameter

Space tablets evenly around the perimeter of the rootball, approximately 3 inches below finish surface. After shrub or tree has been planted, water by hand to hydrate polymer.

Remove all watering basins around trees planted in lawn areas at the end of the maintenance period. All trees planted in lawn areas shall have a 36 inch diameter unplanted area around each tree.

METHOD "A" LAWN PLANTING - REPAIR, SEEDING Irrigation trenches shall be fully compacted and the grade brought flush with the adjacent undisturbed finish grade. Irrigation trench areas and areas where equipment has damaged the existing lawn shall be seeded per this section.

Sow seed at a rate of three (3) pounds of common Bermuda per 1,000 sq. ft. and six (6) pounds of perennial ryegrass per 1,000 sq. ft. Mulch all seed with 1/4" (or 3/4 cubic yard per 1,000 sq. ft.) of Bio-organic Finale. Verify seed mix with the Project Landscape Architect prior to planting

Alternate method: Existing sod may be carefully cut, removed and reused to sod trenches after backfilling and densification.

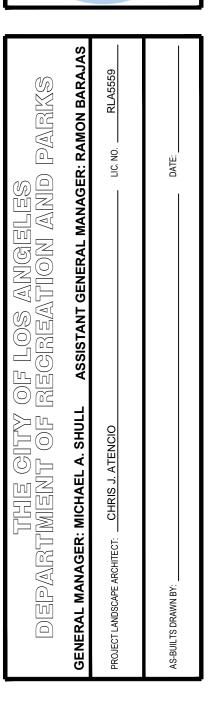
SOD LAWN

The sod shall be machine cut to between 1/4" and 5/8" thick, not including top growth or thatch. Sod shall be laid on a grade which has been amended and finish graded in accordance with the topsoil preparation and finish lawn grading specifications of the Notice To Contractors. The sod strips shall be laid tight against the adjacent strip with adjacent ends forming a running bond pattern. After laying the sod, roll with a minimum 300 lb. water ballast roller and irrigate. The sod shall be as specified on plans.

MULCHING

All planting areas except lawn shall receive a three (3) inch deep layer of tree chip mulch per the Planting Details and this Notice to Contractor Materials list. Mulch shall be spread evenly throughout planting beds and tree watering basins. Do not bury ground cover. Mulch to be kept away crown of the root ball.

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PROJECT NAME:	Westwood Park-	Dog Park and Outdoor Improvements	ADDRESS:	1350 Sepulveda Blvd. Los Angeles, CA 90025
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HEET 4 OF 10 SHEETS

GENERAL

Division 1, General Provisions for the Department of Recreation and Parks; the Standard Specifications for Public Works Construction, hereinafter referred to as SSPWC, latest edition with the current yearly supplements; and the 2002 Edition of the Additions and Amendments to the SSPWC, shall be made a part of these plans. Website: http://eng.lacity.org/techdocs/stdplans/s-600/s61028.pdf. Where conflicts occur between Division 1, General Provisions for the Department of Recreation and Parks and the Standard Specifications for Public Works Construction, Division 1 of the Department of Recreation and Parks shall take precedence. Where conflicts occur between this Notice To Contractors (NTC) and the SSPWC this NTC shall take precedence. Subsections included within this NTC modify or add to the corresponding subsection (by number) of the SSPWC, latest edition with current yearly supplements; where options for materials and/or methods appear in the SSPWC, the option listed hereon shall be used. This improvement consists only of work called for on these plans. The Contractor shall maintain adequate sanitary facilities on the jobsite from the beginning to end of grading operations. Underground substructures: the location of existing underground substructures, utilities, and pipelines as shown on the plans have been located from the best available records and have not been verified in the field. It shall be the contracor's responsibility to verify the locations of said substructures and lines even if not shown on the plans and to take all necessary precautions to prevent damage to the same. Straight grades shall be run between contours and/or spot elevations shown unless otherwise indicated. Should conflicting and/or erroneous information be found on the drawings, the Contractor shall notify the Landscape Architect prior to commencement of work. It shall be the responsibility of the Contractor to provide adequate supports for all excavations where necessary to protect personnel and property from any damage that might occur as a result of the collapse of excavation. The Contractor shall maintain current Cal OSHA permits as required and a copy of said permit shall be posted at the project. The Contractor shall provide access control for pedestrians and vehicles for entire project from the beginning to end of grading operations. The Contractor shall keep the construction area sufficiently dampened to control dust caused by grading and construction. Contractor shall, at all times, provide reasonable control of dust caused by wind. The Contractor shall control noise resulting from repair of heavy equipment after normal working hours by locating such activities as far as practicable from adjacent inhabited areas and so that such activities do not constitute a public nuisance or disturb the peace. Heavy equipment shall be kept in good operating condition and muffled as required by law.

PLANS AND SPECIFICATIONS The Contractor/RAP Staff shall be responsible for:

- To get the necessary approval, sign offs and authorization from the project landscape architect, as indicated on the plans, prior to proceeding to the next project phase. All approvals and submittals shall be transmitted to the Recreation and Parks Advance Planning project landscape architect.
- Indicates required field inspections with the Department of Recreation and Parks Project Landscape Architect. Notify all party's three (3) days prior to the required inspection.

SCHEDULE OF WORK

The Contractor/Rap Construction staff shall submit a Schedule of Work for approval to the Department of Recreation and Parks Project Landscape Architect prior to the commencement of work. The Contractor/Rap Construction staff shall schedule all work on weekdays (excluding Saturday, Sunday and City holidays) between the hours of 7:00 a.m. and 4:00 p.m. The work area shall be as defined on the Title Sheet, or as indicated on the Plans by means of a contract limit line.

$\sqrt{\sqrt{}}$ INSPECTIONS

All work and materials are subject to inspection and approval by Department of Recreation and Parks Project Landscape Architect. Any work done without proper inspection will be subject to rejection. As indicated in Section 2-11 of the Standard Specifications for Public Works Construction.

The Contractor shall notify the Department of Recreation and Parks three (3) days prior to inspection of the following for approval. Failure to do so will hold the Contractor responsible for all charges that arise from this:

1.ROUGH GRADING: When forms have been set, to approve alignment. Offsets or vertical controls shall be verifiable in the field, or be provided in grade sheet form, and submitted to the Department of Recreation and

- Parks for approval prior to the inspection. 2.FINISH GRADE REVIEW: For all finish grades in planting areas following rolling and prior to turf or landscape
- 3.PRE-FINAL INSPECTION (refer also to Section 42 of Division 1, General Provisions): A minimum of two weeks before the Final Inspection, Recreation and Parks shall hold a Pre-final Inspection. The Pre-Final Inspection shall be attended by the Department of Recreation and Parks, the Contractor, and invited parties associated with the Project. At this time, a list of items requiring correction or completion before the Final Inspection will be compiled. The following items shall be delivered to the appropriate Department of Recreation and Parks personnel: manufacturers' data, manuals, operating instructions, and keys, as required in Section 38 of Division 1. General Provisions
- 4.CONTRACT FINAL INSPECTION (refer also to Section 43 of Division 1, General Provisions): Approximately seven (7) days prior to completion of the Work, the Contractor shall first notify the Department of Recreation and Parks that he desires a Final Inspection of the Project. During this inspection, the Inspector, the Department of Recreation and Parks, the Contractor and other parties concerned only with the contractual requirements of the Work will compile a Final Inspection Correction List, incorporating all items of work and corrections required to complete the Project. This list must be completed with thirty (30) days of the Final Inspection, or a new Final Inspection and Correction List shall be required.
- 5.GENERAL GRADING All trees to be planted in either an elevated berm or elevated planter. There shall be a minimum of 3' of clean soil between the top of the non permeable soil slab and the area where with the trees are to be planted. Contractor to provide all soil testing on site. Contractor to provide licensed hazardous waste hauler and provide manifest copies to the City prior to completion of the project. Contractor to pay and process a City of Los Angeles Department of Building and Safety grading and haul route permit. If any abandoned oil wells are encountered, the contractor shall contact the State Division of Oil, Gas and Geothermal Resources for inspection and direction. All work within an approximate radius of 50 feet, and or any work that is requiring a access through the radius as indicated above, of any unforeseen oil well shall stop until appropriate direction is received from the City. Contractor shall have identified an area for stockpiling of soil while contamination soil results are being assembled. Stockpile shall be covered with Visqueen and secured until a appropriate site for disposal and or reuse is identified. Site shall be secured with 6 foot temporary chain link fencing for the duration of the contract. During site grading and excavation, an onsite, unarmed security officer is required. Any railroad tracks encountered shall be recycled. Railroad ties shall be disposed of at appropriate landfill. All grading & drainage plans and sportsfield lighting foundations shall be designed, approved, wet stamped, and signed by a California licensed civil engineer.

\checkmark MATERIALS SUBMITTAL

The Contractor shall submit a minimum of six copies of the Materials List, if applicable, to the Department of Recreation and Parks project landscape architect within ten days of receiving the Notice to Proceed. All submittals shall be sent to the Department of Recreation and Parks Project Landscape Architect at the same time as one submittal package. Any materials substituted for originally specified materials that have been rejected by Recreation and Parks shall have an alternate item resubmitted for approval within one week of the Contractor receiving the notice of rejection.

RECORD DRAWINGS (AS-BUILTS) SUBMITTALS

Record drawings shall reflect any changes made to the plans or specifications during the progress of the work as a result of addenda, change orders or adjustments due to field conditions or plan clarification. They shall also indicate any additional information discovered during the progress of construction that was not a part of the contract documents. All deviations from the specified depth at which materials are constructed shall be shown on the record drawings. Record all appropriate as-built information on the record drawings in red ink. As-built information shall include but not be limited to drain lines, valve locations, mainline locations and mainline wire installed separately from mainline. The record of each trade shall be made on the plan sheets for each trade as provided in the original plan set. The Contractor/RAP Construction Staff shall be responsible for coordinating all sub-Contractors work and shall produce a complete record of all installations, which shall be kept on the job site and updated daily during construction. At the completion of the Work and prior to final inspection, the Contractor shall submit signed 'as-built' blue-line prints to the Department of Recreation and Parks at the Operational Final Inspection, prior to the City's acceptance of the Contract Work, (per Section 39 of Division I of the General Provisions).

LAYOUT OF WORK, GRADE SHEET APPROVAL

Grade stakes shall be a minimum size of 1" x 2" and shall be driven a minimum of 12" into ground; each grade stake shall be protected by a flagged lath projecting 24" above ground; grade stakes disturbed by on-site activities shall be reset by the Surveyor. If specified on the plan the Contractor shall have his surveyor provide grade sheets. The grade sheets shall be submitted to the Department of Recreation and Parks for approval one week in advance of any grading operations.

UNDERGROUND SUBSTRUCTURES

Service lines from other public utilities, including the Department of Water and Power shall be located by notifying UNDERGROUND SERVICE ALERT at 1 - (800) 422-4133 prior to commencing any excavation. For all other utilities, contact Dig Alert at (800) 227-2600.

1. GENERAL EARTHWORK

METHODS

The Grading Plan when approved shall be on the job at all times. All grades between contours and/or spot elevations shall be assumed to be straight grades. There shall be no localized depressions or humps, (308-2.1). The Contractor shall verify all grades and amounts of cut and fill before commencing work with the project Landscape Architect.

The area to be filled shall be cleared of all vegetative material, except the existing trees to remain. Protect remaining

trees during all construction All fill soil shall be compacted to 90% relative compaction and the Contractor shall obtain and pay for all soil compaction tests. Locations where compaction testing is required are shown on the plans with the \bigoplus symbol. The Department of Recreation and Parks may modify the exact location in the field, depending on field conditions. The total number of compaction test shall be no less than the number shown by the symbol. Minimum compaction of earthwork shall be 90% relative compaction unless noted otherwise. Prior to placing fill rip existing subgrade to a depth of 6 inches. Intermix first 6 inches of fill placed with ripped subgrade to eliminate interface lens. Place remaining fill in 8" lifts. The source of import soil shall be approved by the Department of Recreation and Parks prior to any grading operations. The Contractor/RAP Staff shall be required to provide an Agricultural Suitability soil test to establish the suitability of any imported soil and that soil concentrations of boron and salinity are within agricultural limits. The Contractor shall, at his own expense, amend the soil according to the recommendations of the soils report. Fill material 24 inches, or more, below the finish grade may contain up to 25 percent broken concrete or bituminous paving with maximum dimension of 3 inches of any piece. The top 24 inches of fill may contain up to 10 percent broken concrete or bituminous paving with a maximum dimension of 1-1/2 inches of any piece. Where the plans call for turf, the top 6" of soil shall have no object larger than 1" in least dimension. The contractor shall be responsible for removal and disposal of all excess soil and debris from the work area, (300-1.3.1, 300-2.6). No soil or debris shall be disposed of on Recreation and Parks Property without the permission of the Department of Recreation and Parks. The Contractor shall conform to Section 7-8.1 of the SSPWC latest edition with the current yearly supplements for clean up and dust control.

Ground water conditions encountered during the course of the work shall be brought to the attention of the Project Landscape Architect.

If any grading operation covered by this section shall extend into or through, or shall be commenced during the period of October 15 to April 15, the contractor/RAP STAFF shall be required to submit plans of the temporary erosion control methods and devices he proposes to use in connection with the grading operations to be performed during that period. Said plans shall be submitted to the Landscape Architect. The Contractor shall at no additional cost to the Department engage the services of an approved California licensed Soils Engineer and approved soils testing laboratory to provide subgrade, pipe bedding, and fill compaction control. The Soils Engineer shall perform field observation and testing during grading to assist the Contractor in obtaining the proper moisture content, compactive effort and degree of compaction. Where compaction is less than required, additional compaction effort shall be made with adjustment of moisture content, as necessary, until the specified compaction is obtained.

Upon completion of grading, the Contractor shall furnish the Department of Recreation & Parks' compaction report, certified by the Soils Engineers, showing the results of compaction tests of fill, subgrade and bedding and certifying that fill, subgrade and pipe bedding compaction complies with the percentage compaction specified.

2. CONCRETI

All concrete construction shall be as specified in this Section unless specified otherwise in this Notice to Contractors.

MATERIALS BASE MATERIAL

Base material for Portland Cement concrete shall be (CMB) crushed miscellaneous base, (200-2.4).

CONCRETE SPECIFIED BY CLASS Placed concrete shall be class 520-C-2500, maximum 4 inch slump. Pumped concrete shall be class 560-E-2500, maximum 6 inch slump. A complete delivery receipt shall be required for each truckload of concrete delivered. The receipt shall be given to the Department of Recreation and Parks, (201-1.1.2).

PORTLAND CEMENT All cement shall be Type II, low alkali Portland cement conforming to ASTM C150 (201-1.2).

AGGREGATES The aggregates for all concrete construction shall be fractured face aggregates obtained from a quarry in the San Gabriel River drainage area only and shall be certified non-reactive by an approved testing laboratory as approved by the Bureau of Contract Administration, (201-1.2.2).

COMBINED AGGREGATE GRADINGS

EXPANSION JOINTS

Expansion joints shall use a 3/8 inch thick asphalt impregnated felt expansion joint. JOINT URETHANE SEALANT

When specified, expansion joint material shall be urethane elastomeric sealant for concrete pavement shall be Lithoseal Trafficalk-G3 by L. M. Scofield Company, or an approved equal, (201-3). Color to match concrete.

EXPANSION JOINT PREMOLDED ASPHALTIC JOINT MATERIAL When specified, expansion joint material shall be 1/4 inch thick asphaltic joint material as manufactured by Sealtight Co., or an approved equal, (201-3).

DOWELS (EXPANSION AND END-OF-POUR JOINTS) Shall be grade 40 or grade 60 billet steel, (201-2.2).

END OF POUR JOINTS End of pour joints shall be 1/4 inch thick asphaltic joint material as manufactured by Sealtight Co., or an approved equal, (201-3).

COLORED CONCRETE ADMIXTURES Admixtures for colored concrete shall be Lithochrome Color Hardener by L.M. Scofield Company (800) 800-9900, or Davis Mix-in Colors for concrete by Davis Colors, (800) 800-6856, or an approved equal.

METHODS

SUBGRADE AND BASE PREPARATION AND COMPACTION Subgrade under all concrete shall be prepared and compacted in accordance with this section (301-1.). Locations where compaction testing is required are shown on the plans with the \bigoplus symbol. The Department of Recreation and Parks may modify the exact location in the field, depending on field conditions, if permission is granted from the Department of Recreation and Parks. The total number of compaction tests shall be no less than two (2) or the number indicated on the plans. The Contractor shall provide compaction tests for both subgrade and base material, if applicable, at the locations indicated on the construction plans. Results of the compaction tests shall be submitted to the Department of Recreation and Parks for approval prior to the pouring of concrete. Minimum subgrade and base compaction shall be 90% relative compaction.

EXPANSION JOINTS

Recreation and Parks Detail 300 series. $\sqrt{\sqrt{}}$ CONCRETE SURFACE FINISHING

Concrete walks, pads shall have a medium sand blast finish, unless otherwise noted on the plans. The Contractor shall prepare a minimum two foot by two foot sample for approval by the Department of Recreation and Parks before any concrete is placed, (303-5.5.3). Any sidewalk in the public street right of way constructed as a portion of this contract shall be finished in accordance with City of Los Angeles Public Works standards.

3. DISINTEGRATED GRANITE AND SOIL STABILIZERS

MATERIALS

DISINTEGRATED GRANITE Disintegrated granite shall be referred to by the abbreviation (D.G.), or referred to as a decomposed granite. All disintegrated granite shall conform to the following grading requirements: Sieve Designation % Passing Sieve Designation %Passing 3/8 No 40-50 No. 30

3/8 inch	100
No. 4	95-1
No. 8	75-8
No. 16	55-6

The portion of D.G retained on the no. 4 sieve shall have a maximum percentage of wear of 50 at 500 revolutions as determined by AASHTO T96-77. The portion passing a No. 40 sieve shall have a maximum liquid limit of 25 and maximum plasticity index of 7 as determined by AASHTO T89-81 and AASHTO T90-81, respectively. Crushed aggregate screenings shall be free from clay lumps, vegetative matter and deleterious material.

SOIL STABILIZER

The stabilizer shall be a non-toxic, colorless, odorless, organic powder that binds D.G. screenings. The stabilizer shall be manufactured by Stabilizer Inc., (800) 336-2468, or an approved equal.

PINE RESIN EMULSION Pine resin emulsion for soil stabilization shall be Road Oyl by Soil Stabilization Products Company, Inc., (209) 383-3296, or an approved equal.

DISINTEGRATED GRANITE AND SOIL STABILIZERS cont.

PORTLAND CEMENT (FOR SOIL CEMENT) Portland Cement shall be Type II, (201-1.2).

Combined aggregate gradings for Portland Cement shall be as specified under this section, (201-1.3.2).

Shall be placed against previously constructed concrete structures or as indicated in the plans (303-5.4.2) and per

No. 50 25-35 No. 100 20-25 No. 200 5-15

4. STRUCTURAL CONCRETE AND MASONRY

All work shall conform to the latest edition, L.A. City Building Code (LACBC) in addition to the SSPWC; the LACBC shall take precedence where conflicts occur with the SSPWC.

CERTIFICATION AND TESTING

As required by the LACBC, certificates of identification and/or testing shall be provided for all concrete, reinforcing steel, concrete block, mortar, and grout materials delivered to the job site.

The following items refer to the corresponding SSPWC subsections in order to resolve conflicts with the LACBC, to stress items of particular concern, or modify, add to, or choose options in the SSPWC.

MATERIALS

CONCRETE SPECIFIED BY CLASS

Concrete is designed for Fc=2000 psi; for durability placed concrete shall be class 560-C-3250, maximum 4 inch slump and pumped concrete shall be class 660-E-3250, maximum 6 inch slump. A complete delivery receipt shall be required for each truckload of concrete delivered. The receipt shall be given to the Department of Recreation and Parks

PORTLAND CEMENT All Cement shall be Type II, low alkali Portland cement conforming to ASTM C150. (201-1.2).

AGGREGATES The aggregates for all concrete construction shall be fractured face aggregates obtained from a quarry in the San Gabriel River drainage area only and shall be certified non-reactive by a testing laboratory as approved by the Bureau of Contract Administration per Section (201-1.2.2).

COMBINED AGGREGATE GRADINGS Combined aggregate gradings for Portland Cement shall be as specified under this section, (201-1.3.2).

REINFORCING STEEL

Use ASTM A615 Grade 40 billet steel, (201-2). EXPANSION JOINTS

Use "Sealtight" 1/2 inch thick, full depth, self-sealing asphalt expansion joints by W. R. Meadows Inc. or equal, (201-3).

CONCRETE CURING COMPOUND Use Type I compound, (201-4).

CEMENT MORTAR

In lieu of the class and proportions shown in SSPWC 201-5.1, use Type S mortar, Fc=2000 psi, LACBC 91.2403(g), (201-5, 202-2.1.2).

GROUT

In lieu of SSPWC 202-1.5.2, use 2000 psi grout per LACBC 91.2403(r), (201-1.5).

CONCRETE BLOCK Use 8" x 8" x 16" lightweight (103 pcf) units conforming with ASTM C90 Grade N-1, (202.2.1).

LUMBER AND PLYWOOD FORMS Formwork shall comply with this section, (204-1).

METHODS

FOUNDATION MATERIAL TREATMENT AND SUBGRADE FOR CONCRETE SURFACES

Footing excavations shall comply with these subsections, (303-1.3). CONCRETE FORMWORK

Installation and removal of formwork for concrete footings and structures shall comply with these subsections, (303 - 1.3).PLACING REINFORCEMENT

The Contractor's attention is directed to the provisions of this subsection regarding: (1) securing reinforcing steel in position in accordance with the "Concrete Reinforcing Steel Institute" standards; (2) splicing of bars; and (3) bending of bars, (303-1.7). In masonry the thickness of grout between block units and reinforcing steel shall not be less than 1/2 inch. PLACING CONCRETE

The Contractor's attention is directed to the provisions of this subsection regarding: (1) avoiding concrete

segregation; (2) wetting forms and subgrade; (3) consolidation of concrete with vibrators; and (4) provision for construction and expansion joints, (303-1.8).

CONCRETE SURFACE FINISH AND CURING COMPOUND

Surface finish and provision for curing compound shall comply with these subsections, (303-1.9).

MASONRY CONSTRUCTION The Contractor's attention is directed to the provisions of this subsection regarding: (1) workmanship; (2) proper masonry units; (3) metal stops on horizontal reinforcing; (4) thoroughly rodding vertical cores; (5) cleaning cores of debris and mortar; (6) holding reinforcement straight and in place; and (7) cutting masonry with a power driven abrasive saw. If work is stopped for one hour or longer a horizontal construction joint shall be provided by stopping the grout $1 \frac{1}{2}$ inches below the top of block

Masonry shall be laid in running bond, unless otherwise noted, (303-4).

7. IRRIGATION SYSTEMS

MATERIALS

SOLVENT WELDED PLASTIC PIPE

Schedule 40 PVC plastic pipe shall be used for pipe sizes up to and including 1 1/2 inch diameter on both the discharge and supply side of control valves, (212-2.1.3). Class 315 PVC plastic pipe shall be used for pipe sizes from 2 inch up to and including 3 inch diameter.

RESTRAINED PLASTIC PIPE Class 150, DR 18, C900 PVC pipe shall be used for pipe sizes of 4inch up to and including 10inch diameter.

REMOTE CONTROL VALVES

All remote control valves shall be electrically operated with body of cast brass or bronze construction, (212-2.2.4) and installed per details.

CONTROL WIRE

Connection between the automatic controller(s) and the remote control valves shall be made with direct burial 14 gage, AWG-UF, 600 volt, copper wire. Wires shall be provided in the following colors: red, yellow, blue, green, orange, tan, purple, pink, brown, gray, and white.

CONTROL WIRE CONNECTIONS

Control wire connections shall be made with 3-M brand of DBY or DBR Direct Burial Splice kits, or approved equal. The splice kit shall consist of a one-piece malleable plastic bulb body with internal locking fingers, filled with re-enterable gel sealant and a Scotchlok Electrical Spring Connector. Materials shall be as follows: Connector shall be a flame retardant PVC insulator with a steel spring and shell within. Connector shall be

a <u>non-crimping</u> system Tube material shall be clear see-through polypropylene.

Gel material shall be hixotropic calcium organic complex.

Wire sizes and numbers of wires shall be as shown below:

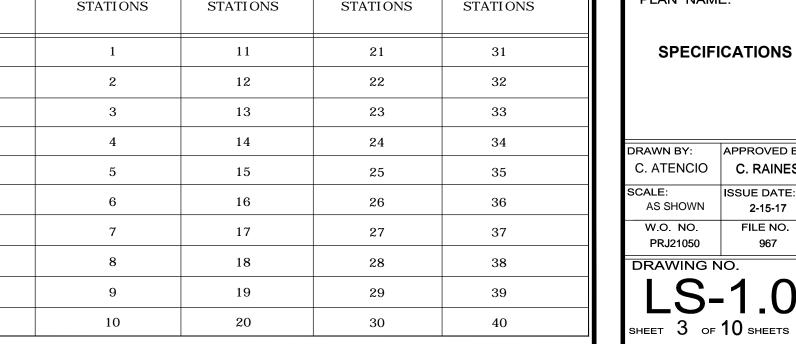
CONNECTORCOLORNO. AND SIZE OF WIRE3M Model DBYYellowMax. 4-12 gage UF wires3M Model DBRRedMax. 3-14 gage UF wires

√QUICK COUPLING VALVES AND ASSEMBLIES Quick couplers shall be 1 inch i.p.s., two piece, brass or bronze construction equipped with a cover, unless otherwise specified on plans. The Contractor shall provide one quick coupler key with hose swivel for each five quick couplers installed. Contractor shall supply a minimum of one quick coupler key with hose swivel, (212-2.2.6) and shall be installed per details.

√ VALVE BOXES

Valve boxes shall be of Portland Cement concrete with a cast iron frame and hinged double toggle locking cover. The inside dimensions of the box shall be 10 1/2 inches by 17 1/4 inches, Model 363 1/2 HFL by Eisel Enterprises Inc., or approved equivalent. The cast iron cover shall be permanently embossed, "GV" for gate valve, "RCV" for remote control valves, "QC" for quick coupler valves, MV for Master Valves, or FM for Flow Meter. Paint is not acceptable. Contractor shall supply one (1) valve box cover key for each five (5) valve boxes installed. Provide a minimum of two (2) cover keys, (212-2.2.7). Boxes are to be installed per details.

METHODS NEW PIPELINE INSTAL $\sqrt{}$ When pipelines run pa pipelines cross each other	arallel they shall be sep				OF LOS ANGERRO
$\sqrt{}$ No irrigation trenching diameter shall be cut with	g shall pass closer than hout approval of Depart				DEPART
COVER OVER MAINLIN $\sqrt{}$ Maintain 24 inches of larger in diameter shall h details.	cover over mainlines 3				PRECREATION AND
COVER OVER LATERAL $\sqrt{}$ Maintain 12 inches of	LINES: cover over all lateral lin	nes. Note: F.G. is top	of soil and does not	include mulch.	SAL .
Pipe bedding and backfill: be placed in 6 inch lifts. A thoroughly wet bedding r dimension and no organic the bedding. Backfill shal until backfill collapses and water settling shall have dimension or organic mat subject to compaction tes tests shall be at the expe compaction is achieved. I Contractor shall be respo project. Trenches in exist section of the Notice to C The maximum trench wid Note: Trench depth must	All bedding shall be den naterial around the pipe c matter placed in the b l be placed in one-foot d water is forced to the a minimum relative con- tter in the backfill. Tren- sts as requested by the ense of the Contractor. Finished trenches shall nsible for maintaining t ing lawn shall be repain contractors. Ith shall be two and a h	sified by water jetting e, (306-1.2.1). There bedding material. Bac lifts and densified by surface, (306-1.3.1) mpaction of 85%. The ich areas which exhib Department of Recre Additional tests may l match finish grades fi the trenches flush and red per method A law	g. Water jetting shall shall be no rocks ov kfill shall be the mate water jetting. Jetting . Pipe trenches thoro ere shall be no rocks it insufficient densific eation and Parks. All s be required until the lush with adjacent fir l smooth until final a n repair of the Lands	be sufficient to er 1/2" in greatest erial placed above g shall be continued ughly densified by over 2" in greatest cation shall be such compaction 85% minimum hish grades. The cceptance of the	S ANGELES ATTON AND PARKS NT GENERAL MANAGER: RAMON BARAJ UC. NO. RLA5559
PIPES CROSSING UND Where irrigation piping cr Schedule 40 PVC sleeve v be jacked under the pavin having a width of less that a depth of 36" minimum.	ER PAVING: cosses a vehicular roady which is a minimum of ng at a depth of 36" mi an 25 feet, a 3 inch PVC	way or other paving h two pipe sizes larger nimum. Where remot C Schedule 40 PVC sle	aving a width of less than the piping to pa e control wiring cros eeve shall be jacked u	ss through it, shall ses under paving under the paving at	丁代 のF LのS のF RECREA SHUL ASSISTANT NCIO
Where irrigation piping or trench shall be excavated of two pipe sizes larger th as measured from the top greater than 25 feet, a 3 the paving, as measured The slurry shall extend fr The trench in the existing horizontally and vertically	across the roadway or han the piping to pass to p of the sleeve. Where inch Schedule 40 PVC s from the top of the slee om the bottom of the to g paving shall be repair	r paving to accommod hrough it, at a depth remote control wiring sleeve shall be install eve. The backfill of th rench to within one ir	late a Class 315 PVC of 36" below the bot crosses under pavin ed at a depth of 36" le trench shall be a 2 nch of the bottom of	sleeve a minimum tom of the paving, g having a width below the bottom of sack cement slurry. the existing paving.	ARTME G ARTMENT NAGER: MICHAEL A. Architect:CHRIS J. ATE
REMOTE CONTROL WI Remote control wire unde Roadways less than 25 fe	er paving shall be place	d in a 3″ class 315 PV		depth of 36.	して、 して、 BENERAL MA PROJECT LANDSCAPE AS-BUILTS DRAWN BY:
FITTINGS ON MAINLIN All outlets from a mainlin saddle tees shall be perm	e shall be accomplished	d with line sized tees	with an outlet of the	specified size. No	
INSTALLATION OF VAL Boxes shall be set flush w and all soil within 12 inch in the trench repair section	vith existing grade or grace or graces of the perimeter of the second second second second second second second	the box shall be comp	bacted by water settle		LANDSCAPE THE LANDSCAPE IND. 5559
LAYOUT OF PIPING Pipe layout as shown on i manner consistent with tl adhere to As-Built require	he requirements set for	th herein, including a			Signature July 31, 2017 Rénewal Date
INSTALLATION OF IRR Sprinkler heads in lawn a construction. All soil 12 ir indicated in this specificat	reas shall be set flush the number of the set of the se	er of the head shall b			
MAINTENANCE KIT (Applies to cast iron and Department of Recreatior 100 heads, (308-5.4.4).	-				ment
SPRINKLER HEAD RISE All plastic sprinkler heads assemblies for Thompson pipe and fittings as specif METHODS	s shall be installed on s n gear driven rotary pop				mprove
NEW PIPELINE INSTAL $\sqrt{}$ When pipelines run pipelines cross each other	arallel they shall be sep				
$\sqrt[]{}$ No irrigation trenching diameter shall be cut with	g shall pass closer than hout approval of Depar			e root larger than 2"	ark- Outdoor
COVER OVER MAINLIN √√ Maintain 24 inches of larger in diameter shall h	cover over mainlines 3				
COVER OVER LATERAL					and Ca 9002
SPRINKLER HEAD RISI All plastic sprinkler heads	s shall be installed on s	wing joint assemblies	as shown on details	. Swing joint	ECT NAME: SSTWOOD g Park an ESS: Sepulveda BI Angeles, CA 9
assemblies shall be as sp AUTOMATIC CONTROL The foundation of the au 24 volt control wire from	SYSTEM INSTALLAT	be per details. Each i	remote control valve	shall have a separate	PROJECT NAME: Westwood F Dog Park and ADDRESS: 1350 Sepulveda Blvd Los Angeles, CA 900
$\sqrt{}$ LOW VOLTAGE WIR Connectors shall be DBY insulation, inserted into t the wires are tight. Inser wire nut has been pushed channels and close insula	or DBR as manufacture he electrical spring con t the completed splice i d past the fingers and i	nector, and the conne into the gel-filled tube	ector twisted in a clo e, and check visually	ckwise direction until to confirm that the	
CONTROL WIRE Connection between the 14 gage, AWG-UF, 600 ve	automatic controller(s)			ade with direct burial	$\begin{array}{c c} \underline{\bigtriangleup} \\ \underline{\bigtriangleup} \\ \underline{\bigtriangleup} \\ \underline{\bigtriangleup} \\ \underline{\swarrow} \\ \underline{\swarrow} \\ \underline{\clubsuit} $ \underline{\clubsuit} \\ \underline{\clubsuit} \end{matrix} \underbrace \underline{\clubsuit} \underline{\clubsuit}
CONTROLLER WIRE COLOR	CONTROLLER STATIONS	CONTROLLER STATIONS	CONTROLLER STATIONS	CONTROLLER STATI ONS	PLAN NAME:
RED 1 11 21 31 SPECIFICATIONS					



YELLOW

BLUE

GREEN

ORANGE

TAN

PURPLE

PINK

BROWN

GRAY



APPROVED B

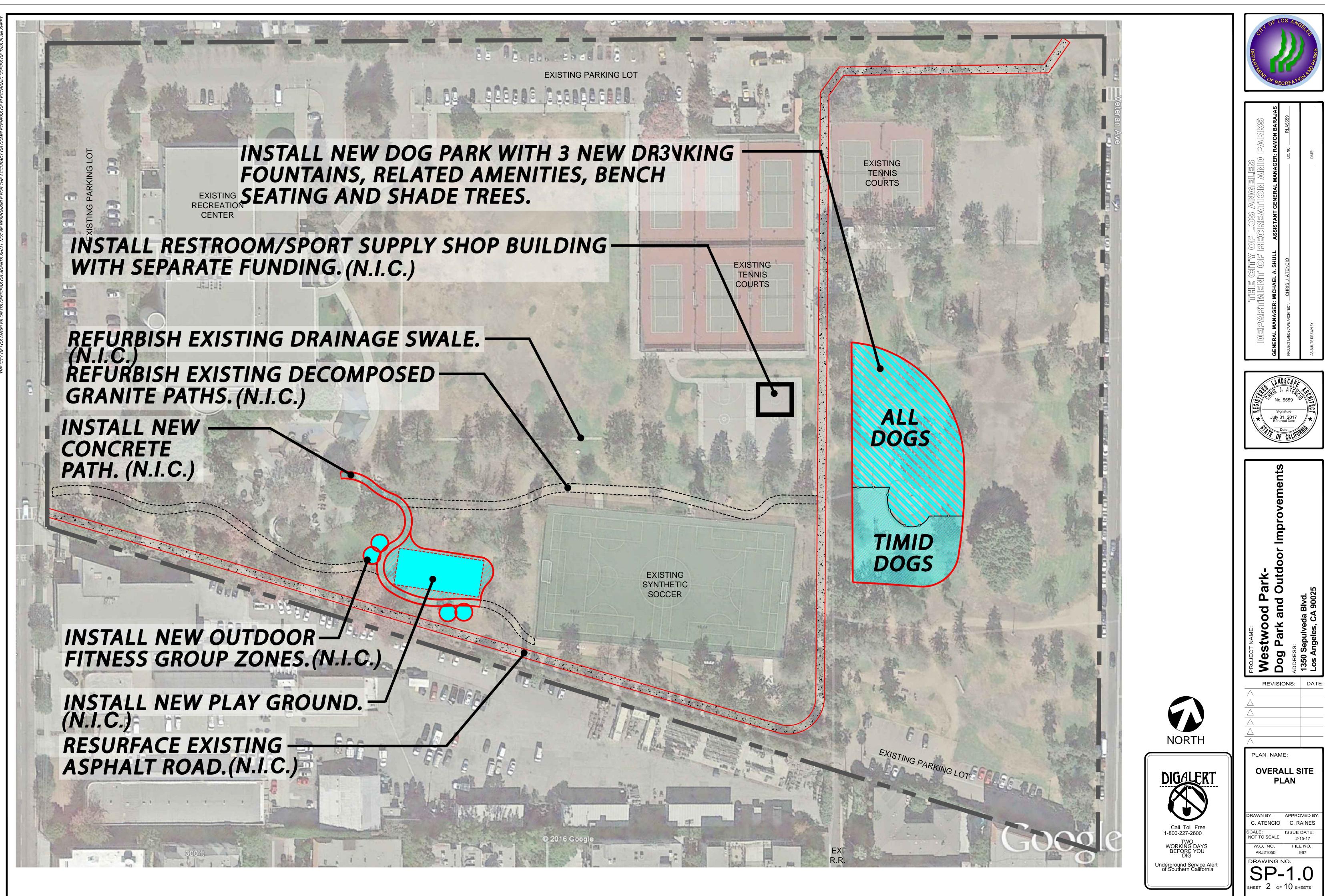
C. RAINES

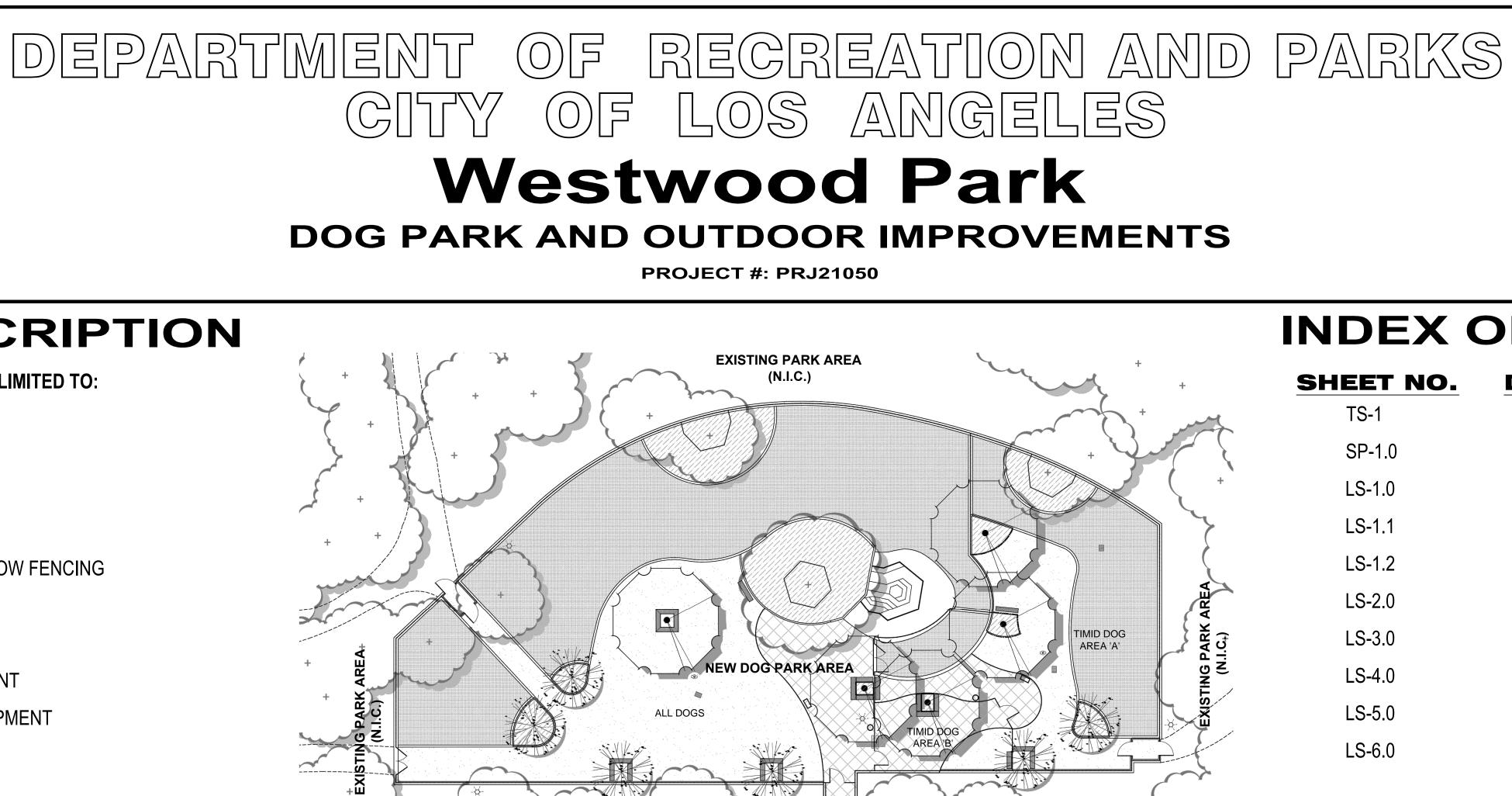
ISSUE DATE:

2-15-17

FILE NO.

967





EXISTING PARK AREA

(N.I.C.)

PROJECT DESCRIPTION

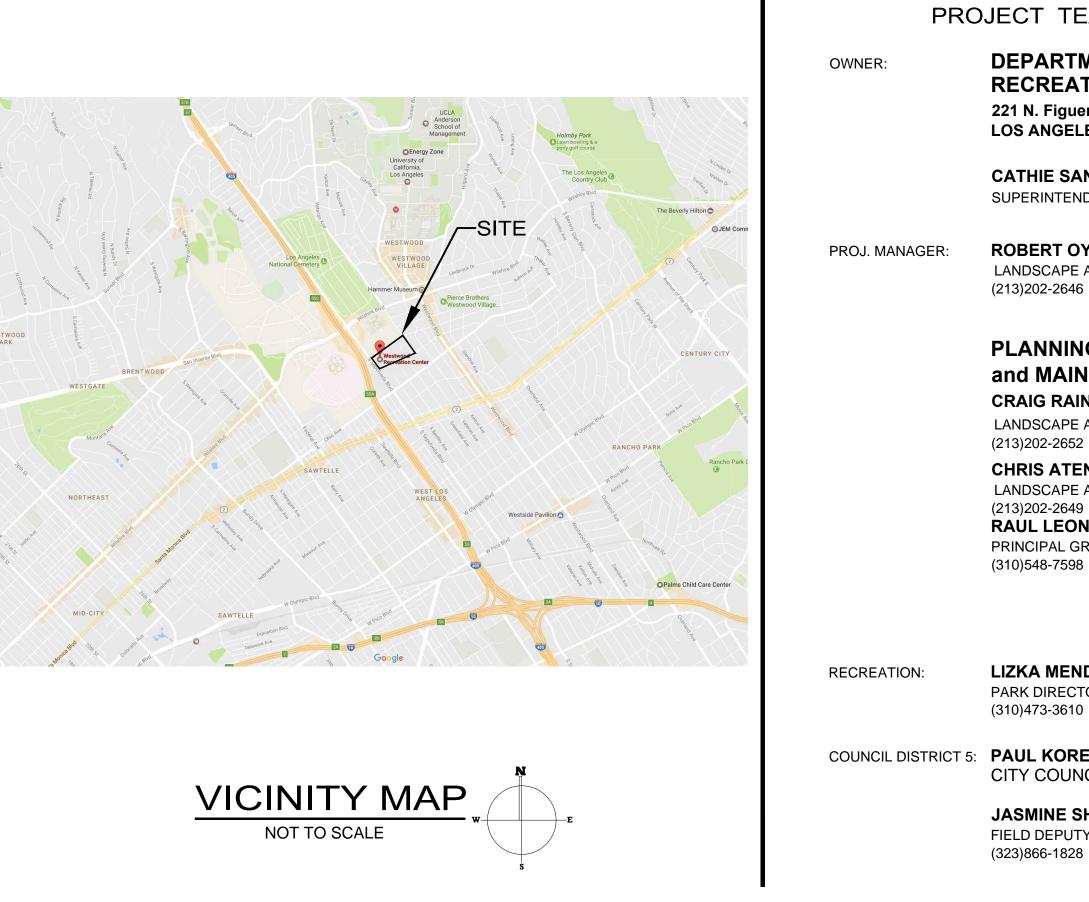
THE SCOPE OF WORK TO INCLUDE BUT IS NOT LIMITED TO:

NEW DOG PARK

- 1. NEW FENCING AND GATES
- 2. NEW DECOMPOSED GRANITE SURFACING
- 3. NEW DOG EXERCISE EQUIPMENT
- 4. NEW ADDITIONAL LANDSCAPE TREES WITH LOW FENCING
- 5. NEW DRINKING FOUNTAINS
- 6. NEW ADDITIONAL BENCH SEATING
- 7. INSTALLATION OF NEW IRRIGATION EQUIPMENT
- 8. ADJUSTMENT OF EXISTING IRRIGATION EQUIPMENT
- 7. PROVIDE AS-BUILT DOCUMENTS

ADDITIONAL PARK IMPROVEMENTS (N.I.C.)

- 1. NEW OUTDOOR FITNESS EQUIPMENT
- 2. NEW PLAY GROUND (5-12 YEARS OLD)
- 3. EXISTING HARDSCAPE RE-SURFACING
- 4. NEW PATHWAYS



PROPOSED SITE PLAN

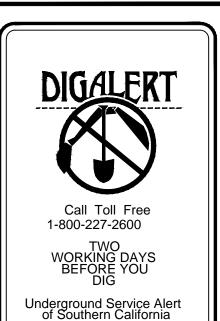
EXISTING ASPHALT ROAD

EXISTING PARK AREA

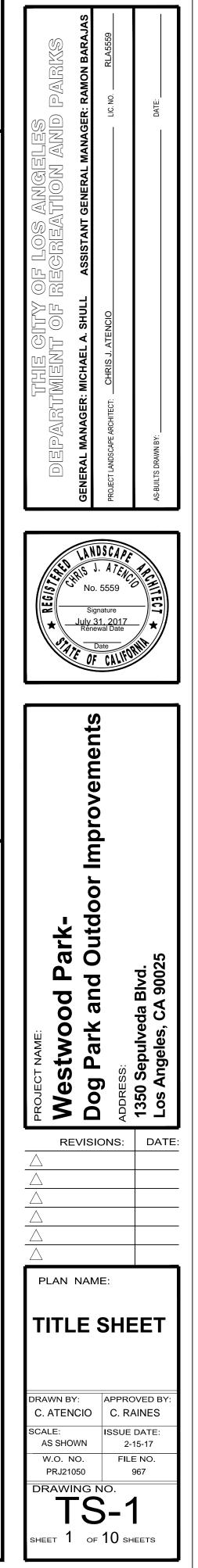
(N.I.C.)

EAM	ABBREVIATIONS				
	ABS	ACRYLONITRILE BUTADIENE	ID	INSIDE DIAMETER	
TMENT OF		STYRENE	INV.	INVERT ELEVATION	
ATION & PARKS	ADJ	ADJACENT	IN.	INCH	
	ALT.	ALTERNATE	JOIN	MATCH EX. ADJACENT GRADE	
ueroa St. Ste 400	2	ANGLE		BOTH HORIZ. & VERT.	
ELES, CA 90012	APPROX.	APPROXIMATE	JT.	JOINT	
	AC	ASPHALT CONCRETE	LB.	POUND	
SANTO DOMINGO	ASTM	AMERICAN SOCIETY FOR TESTING	LF	LINEAL FEET	
		MATERIALS	M.A.	MULCH AREA	A
ENDENT	@	AT	MAX.	MAXIMUM	
	BC	BEGINNING OF CURVE	MFG.	MANUFACTURER	P - D
	BPU	BACKFLOW PREVENTION UNIT	MH	MANHOLE	
OYAKAWA	BM	BENCH MARK	MIN.	MINIMUM	P. 10
PE ARCHITECT I	BS	BOTTOM OF STEP	MISC.	MISCELLANEOUS	and a start
46	BW	BOTTOM OF WALL	NIC	NOT IN CONTRACT	OL
	B/W	BOTH WAYS	NO.or #	NUMBER	IME
	CB	CATCH BASIN	NTS	NOT TO SCALE	
ING, CONSTRUCTION	С	CENTER LINE	OC	ON CENTER	(N.
•	CC	CENTER TO CENTER	OD	OUTSIDE DIAMETER	
INTENANCE BRANCH	CJ	CONTROL JOINT	PA	PLANTING AREA	
AINES	CLF	CHAIN LINK FENCE	PB	PULL BOX	
	CO	CLEAN OUT	Р	PROPERTY LINE	A States and
PE ARCHITECTURAL ASSOC III	CONC.	CONCRETE	POC	POINT OF CONNECTION	0
52	CONST.	CONSTRUCT	PP	POWER POLE	and the
TENCIO	CF	CUBIC FOOT	PRC	POINT OF REVERSE CURVE	
PE ARCHITECTURAL ASSOC II	CSP	CORRUGATED STEEL PIPE	PSI	POUND PER SQUARE INCH	OTTO T
49	CY	CUBIC YARD	PVC	POLYVINYL CHLORIDE	SEPUL VEDA
ON	DF	DRINKING FOUNTAIN	QCV	QUICK COUPLER VALVE	· Ze
-	DG	DECOMPOSED GRANITE	R	RADIUS	- OF
GROUNDS MAINTENANCE SUPERVISOR	DIA.or O	DIAMETER	RCP		Dec De
98	EA	EACH	RCV		4
	EC	END OF CURVE	RP		The Let
	EJ	EXPANSION JOINT	SD	BACKFLOW DEVICE STORM DRAIN	0.0.7
	ELEV.	ELEVATION	SD SHT.	SHEET	Alata
	EQ.	EQUAL	SPECS.	SPECIFICATIONS	
	FB	FIELD BOOK	SFLCS.	SANITARY SEWER	
NDOZA	FL FG	FLOWLINE FINISH GRADE	SSPWC	STANDARD SPECIFICATION	
CTOR				FOR PUBLIC WORKS CONSTRUCTION	
10	FIN. FS	FINISH FINISH SURFACE	SQ.FT.	SQUARE FEET	
	FS		TC	TOP OF CURB	
RETZ	FOC FOW	FACE OF CURB FACE OF WALL	TG	TOP OF GRATE	
	FOW	FEET	TS	TOP OF STEP	
JNCIL-MEMBER	GA.	GAUGE	TW	TOP OF WALL	
	GALV.	GAUGE GALVANIZED	VERT.	VERTICAL	
SHAMOLIAN, MSW	GALV. GPM	GALVANIZED GALLONS PER MINUTE	W/	WITH	
JTY	HORIZ.	HORIZONTAL	WM	WATER METER	
28		LOCATION OF COMPACTION TEST,	WWM	WELDED WIRE MESH	
	\oplus	AS INDICATED ON THE PLANS			

AS INDICATED ON THE PLANS

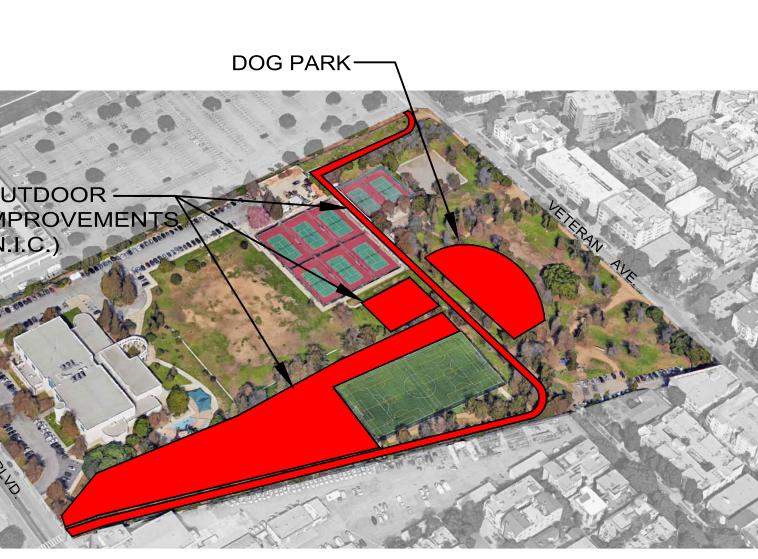






INDEX OF SHEETS

IEET NO.	DESCRIPTION
TS-1	TITLE SHEET
SP-1.0	OVERALL SITE PLAN
LS-1.0	GENERAL SPECIFICATIONS
LS-1.1	GENERAL SPECIFICATIONS
LS-1.2	GENERAL SPECIFICATIONS
LS-2.0	DEMOLITION PLAN
LS-3.0	LAYOUT & MATERIALS PLAN
LS-4.0	CONSTRUCTION DETAILS
LS-5.0	IRRIGATION & PLANTING PLAN
LS-6.0	IRRIGATION & PLANTING DETAILS





ATTACHMENT 2

REPORT OF GENERAL MANAGER		NO. <u>382-99</u>
DATE September 1, 1999		CD
BOARD OF RECREATION AND PAR	K COMMISSIONERS	
SUBJECT: OFF LEASH DOG EXEN	RCISE AREA POLICY	
P. Bryant R. Sessinghaus J. Duggan *G. Stigile R. fawcett M. Whelan S. Klippel J. Zatorski	Ecement	un(
14/1 10-6-99	General Ma	inager
Hud 11-6-99 Approved Disapp	provedW	lithdrawn

RECOMMENDATION:

That the Board approve the attached Off Leash Dog Exercise Area Policy.

SUMMARY:

Citywide Services Branch staff has contacted numerous cities across the country to survey them regarding their off-leash dog exercise areas. Staff questioned them regarding their successes and challenges in order to frame a policy for the Department of Recreation and Parks. Staff's research, coupled with the Department's experience operating five off-leash exercise areas, has resulted in the attached policy. Therefore, staff has submitted the Off-Leash Dog Exercise Area Policy for the Board's approval.

DEPARTMENT OF RECREATION AND PARKS OFF-LEASH DOG EXERCISE AREA POLICY

PURPOSE

Over the past several years, dogs and their owners have been recognized by the Department and the Board as a legitimate group of open space users. The Department's open space planning process recognizes that their needs, like those of other user groups, should be accommodated to the greatest extent possible, given limited resources.

Los Angeles Municipal Code (LAMC), Section 63.44B 2 prohibits dogs off-leash in City parks. The purpose of this policy is to establish a mechanism by which dog owners have the opportunity to recreate with their dogs off-leash within designated park areas that are clean, safe and well-maintained. An amendment to the LAMC by the City Council will be required to authorize the establishment of each off-leash dog exercise area on an individual basis.

<u>NEED</u>

Open space is a limited resource in the City of Los Angeles. The Department recognizes that recreational activities in Los Angeles' limited open space should be balanced to provide optimal use to the greatest number of users. The Department operates approximately 15,200 acres of parkland, of which 3,200 is devoted to neighborhood and community use and 12,000 to regional use. The City of Los Angeles' General Plan's Recreational Element recommends a parkland per person ratio of 4.0 acres per 1,000 persons for neighborhood and community parks. The City's ratio of neighborhood and community parks.

Over 11.5% of the City's total population has a licensed dog in their household. This percentage was calculated from census information that indicates the City of Los Angeles has 3,600,000 residents living in 1,285,714 households (averaging of 2.8 persons in each), and from Department of Animal Services reports indicating there are 149,673 licensed dogs in the City.

The Department's policy to meet the needs of dogs and owners is to:

- 1. Provide off-leash areas, as feasible, given limited open space resources and potential spill-over effects on surrounding land uses; to provide opportunities for off-leash exercise, training and socialization of dogs, and for social interaction among owners; and to balance this with other park uses to optimize park use by the greatest number of people.
- 2. Require responsible behavior of dog owners in their use of park facilities including adherence to posted rules and regulations and other Los Angeles Municipal Codes including the leash law.
- 3. Be sensitive to adjacent land users and the immediate community in selecting and operating all off-leash dog areas.

Department of Recreation and Parks Off-leash Dog Exercise Area Policy (Continued) Page 2

Therefore, the number and size of off-leash dog exercise areas within the Department will be a function of demand and available resources, and competition and compatibility in reference to those available resources.

CONCLUSION

This policy, used in conjunction with the Department's established Off-Leash Dog Exercise Area Guidelines, encourages the selection and development of additional off-leash sites within the city that meet the needs of the community, including dogs and their owners. The policy and guidelines ensure that the recreational experience at our facilities with off-leash dog exercise areas is enjoyable for all.

FOR INFORMATION ONLY

CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS

September 15, 1999

TO: BOARD OF RECREATION AND PARK COMMISSIONERS

FROM: ELLEN OPPENHEIM, General Manager

Weld - 10-6-99

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SUBJECT: OFF-LEASH DOG EXERCISE AREA GUIDELINES

The City of Los Angeles Department of Recreation and Parks is responsible for providing a quality recreational experience for citizens and visitors to the City of Los Angeles. The Department and Board work to ensure that a wide variety of recreational services are provided to our patrons, including such open space user groups as dogs and their owners. To facilitate the Department's ability to meet the desires of our patrons, staff has prepared the attached guidelines for the development and establishment of off-leash dog exercise areas.

In creating these guidelines, staff contacted numerous cities throughout the country and collected critical information from those cities with off-leash dog exercise areas. Staff also incorporated into these guidelines the knowledge and experience they have gained through developing and operating the Department's five off-leash dog exercise areas.

In conjunction with the Department's Off-Leash Dog Exercise Policy, these guidelines serve to provide a basis for future development and operation of Off-Leash Dog Exercise Areas in the City of Los Angeles.

LOS ANGELES CITY DEPARTMENT OF RECREATION AND PARKS OFF-LEASH DOG EXERCISE AREA GUIDELINES

The following guidelines have been established for Off-Leash Dog Exercise Areas based on a comprehensive review of similar facilities in several cities throughout the country, as well as on the experience of designing and operating five of our own off-leash dog exercise areas over the past several years. The purpose of these guidelines is to assist in the design, development and operation of off-leash dog exercise areas in the City of Los Angeles.

The key factors to be considered in selecting an off-leash dog exercise area in Los Angeles parks are distance from adjacent land uses, relationship to other recreational uses, size, availability of parking and accessibility. If a proposed site does not meet the standards established by these guidelines, it may still be considered provided that it successfully passes the environmental review process which establishes the appropriateness of the site and design criteria, and addresses any health and safety issues. Appropriate environmental clearances in compliance with the California Environmental Quality Act (CEQA) are required.

Designated off-leash dog exercise areas should:

- 1. Be far enough away from a residential or commercial land use that the single-event sound of a dog bark would generally be perceived as a background sound or would be screened by traffic noise. To achieve this objective, the off-leash area should be:
 - a. at least 150 feet from residences and separated by a street or non-residential structure, and
 - b. at least 80 feet from commercial uses; if the wall of the commercial building that faces the off-leash area is windowless, a distance setback may not be required.
- 2. Be large enough to accommodate an area for big dogs (three acres or larger) and include an area for small or timid dogs (.75 acre or larger).
- 3. Be accessible to disabled users.
- 4. Be situated on property that is not currently developed for recreational use and/or in areas of parks that are not heavily used for other recreational activities so as to reduce the potential for conflict.
- 5. Not displace another organized recreational use or priority unstructured use in a park given the City's limited park resources and need for active recreation and passive open space areas.
- 6. Have sufficient adjacent parking, preferably off-street, that does not require users to cross a street; curbside parking is less desirable. A park in a multi-family residential neighborhood requires fewer spaces, whereas a park in a single-family residential neighborhood or non-residential area requires more spaces.
- 7. Be situated within a six-foot high minimum perimeter chain link fence with a concrete mow strip. Natural barriers such as steep hillsides, if feasible, may be utilized in lieu of fencing.

1

MAINTENANCE AND OPERATIONS

The primary conditions at off-leash dog exercise areas that can affect nearby residents or other park users include:

- 1. Noise from dogs barking, owners yelling and increased traffic,
- 2. Unattractive park conditions, including the loss of turf and damage to vegetation, and
- 3. Odor from feces and urine.

These conditions may be mitigated to some extent by design, maintenance and operation practices or by modification and enforcement of regulations.

- 6. Operation and Maintenance Practices
 - a. Lock the off-leash area when it is closed.
 - b. Assign a closed time period during the week for maintenance; facility may be closed for renovation or due to inclement weather.
 - c. Provide a hose off area outside the off-leash park.
 - d. Provide an adequate number of covered trash cans with plastic liners for dog waste.
 - e. Provide a plastic bag dispenser box and/or a box for recycled plastic bags; Pooper Scoopers may be a preferred method for removing feces.
 - f. Cover bare areas with wood chips or shredded tree trimmings to keep dust down.
- 7. Design Features
 - a. Install multiple entrances with self-closing (double) gates located as far from residences as possible and as close to parking as possible.
 - b. The area should be irrigated and planted with turf grass.
 - c. Install separate water sources for people and animals.
 - d. Provide restrooms and telephones.
 - e. Locate tables away from the perimeter of the off-leash area; this will discourage users from congregating at the perimeter where they are close to adjacent structures and will reduce turf wear by distributing use of the area.
 - f. Landscape buffer zones can be utilized to mitigate noise and provide a pleasant aesthetic environment separating off-leash areas from other park users. Security concerns must be taken into consideration when determining whether or not to use a visual landscape barrier.
 - g. It is recommended that off-leash areas remain well separated from other recreational activities and not be considered at small parks and recreation centers. Sites that accommodate mixed uses and include children's play areas are undesirable.
- 8. <u>Recommended Regulations</u>
 - a. Require that all dogs be licensed.
 - b. Permit no food, human or canine, in the off-leash area.
 - c. Require that leashes remain on until dogs are in the off-leash area.
 - d. Require that dog waste be removed and placed in trash cans.
 - e. Restrict the number of dogs allowed per person on an individual facility basis.
 - f. Institute additional rules that address basic dog etiquette and dog owner etiquette, health considerations, and site specific needs.

9. <u>Recommended Enforcement</u>

- a. Dog owners are required to comply with all posted rules and LAMC regulations, particularly those pertaining to dogs.
- b. Provide staff and/or volunteers to monitor the park during peak use periods.
- c. Provide staff and/or volunteers to monitor the park at irregular intervals during other time periods.

CITIZENS ADVISORY COMMITTEES

A Citizens Advisory Committee (CAC) will be established by Regional staff to self-govern the off-leash dog area. The CAC will be comprised of dog owners, local residents, Region staff and Park Rangers. The CAC will meet to discuss conflict mitigation measures, signage requirements and sign locations, rules and regulations, fund raising, facility maintenance, and voluntary off-leash area monitoring.

An agreement should be developed between the CAC and the Department clearly outlining the responsibilities and duties of each. If the facility has a Park Advisory Board (PAB), the Committee should report to the PAB on off-leash area issues. The CAC and Regional staff should meet on a regular basis to discuss facility operations and maintenance.

PROCESS TO ESTABLISH OFF-LEASH DOG EXERCISE AREAS

- 1. All requests to establish off-leash dog exercise areas will be referred to the Regional Assistant General Manager.
- 2. Regional staff will prepare a map to identify the area proposed for an off-leash dog exercise area and apply the basic criteria in relationship to existing park facilities, uses and setback requirements, noting non-compliance and compatibility issues.
- 3. Regional staff will discuss the proposed site and related issues with the affected Council office. If it is agreed that the proposed off-leash site is feasible, the proposal will be presented to the facility's PAB.
- 4. The PAB will consider the proposal, noting funding sources and/or needs including labor, annual operating costs, planning, design and environmental fees. If the PAB agrees that the proposed off-leash site is desirable and feasible and a funding source is available, or the community wishes to raise the funding necessary to develop the off-leash area, the proposed project will go forward for further review. If no PAB exists, a community meeting will be held to discuss the proposal.
- 5. If Regional staff determines to continue with the proposed project, a meeting will be conducted to allow community input and discussion of the issues associated with the development of the off-leash dog exercise area and to prepare a draft environmental document to be circulated through government agencies and the public for review and comment.
- 6. During the environmental review period, a public meeting will be held to solicit comments on the adequacy of the environmental document.

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- 7. A final environmental document will be prepared and a report and recommendation will be presented to the Board of Recreation and Park Commissioners for certification and project approval.
- 8. If approved by the Board, the environmental document and project will be forwarded to the City Council for certification and consideration of final approval of the project.

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