CITY OF SAN DIEGO RECYCLED WATER NOTES

1. TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION ON SITE IMPROVEMENTS, CONTRACTOR SHALL NOTIFY THE RECYCLED WATER PROGRAM AT 619.533.7485 OR 619.533.5273

2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "CITY OF SAN DIEGO RULES AND REGULATIONS FOR RECYCLED WATER USE AND DISTRIBUTION WITHIN THE CITY OF SAN DIEGO" LATEST EDITION AND THE COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH REQUIREMENTS.

3. ALL BACKFLOW PREVENTER INSTALLATIONS AND LOCATIONS SHALL BE SUBJECTED TO APPROVAL BY THE CITY OF SAN DIEGO WATER DEPARTMENT.

4. ALL PUBLIC FACILITIES SUCH AS COMFORT STATIONS, DRINKING FOUNTAINS, ETC. SHALL BE PROTECTED FROM SPRAY AND/OR MISTING BY RECYCLED WATER.

5. NO PONDING, RUN-OFF, OR OVER-SPRAY IS PERMITTED. ADJUST ALL SPRINKLER HEADS TO PREVENT OVER-SPRAYING ONTO SIDEWALKS, STREETS AND PRIVATE LOTS.

6. HOSE BIBS ON RECYCLED WATER SYSTEMS ARE PROHIBITED.

7. ONSITE CROSS-CONNECTION BETWEEN RECYCLED WATER LINES AND POTABLE WATER LINES IS STRICTLY PROHIBITED.

8. QUICK COUPLING VALVES USED IN RECYCLED WATER SYSTEMS SHALL CONFORM TO THE CITY OF SAN DIEGO'S RULES AND REGULATIONS AND THE FOLLOWING:

A. A TYPE APPROVED FOR RECYCLED WATER USE WITH A NORMAL WORKING PRESSURE OF 150 P.S.I.
B. RECYCLED WATER QUICK COUPLER MUST BE DIFFERENT FROM POTABLE WATER QUICK COUPLER VALVES.
C. IN ORDER TO PREVENT UNAUTHORIZED USE, THE VALVE SHALL BE OPERATED ONLY WITH A SPECIAL COUPLER KEY WITH AN ACME THREAD FOR OPENING AND CLOSING THE VALVE.
D. THE COVER SHALL BE PERMANENTLY ATTACHED TO THE QUICK-COUPLING VALVES. IT SHALL BE PURPLE RUBBER OR VINYL.
E. LOCKING COVERS ARE REQUIRED.

9. NO SUBSTITUTION OF PIPE MATERIALS WILL BE ALLOWED WITHOUT PRIOR APPROVAL BY THE CITY OF SAN DIEGO.

10. INSTALL APPROVED, METALLIC BACKED AND STENCILED WARNING TAPE OVER ALL PRESSURE RECYCLED WATER LINES. STENCIL AND COLOR CODE (PURPLE PANTONE 522) ALL IRRIGATION PIPE. ORIENT THE STENCILING TO THE TOP OF THE TRENCH.

11. PROVIDE A MINIMUM OF AT LEAST 18 INCHES OF COVERING OVER ALL WIRING AND PIPING.

12. OPERATE THE IRRIGATION SYSTEM ONLY BETWEEN 9:00 PM AND 6:00 AM, UNLESS THE CERTIFIED SITE SUPERVISOR IS PRESENT AT THE SITE DURING THE IRRIGATION PERIOD.

13. NON-DESIGNATED USE AREAS SHALL BE PROTECTED FROM CONTACT WITH RECYCLED WATER, WHETHER BY WINDBLOWN SPARY OR BY DIRECT APPLICATION THROUGH IRRIGATION OR OTHER USE. LACK OF PROTECTION, WHETHER BY DESIGN, CONSTRUCITON PRACTICE OR SYSTEM OPERATION, IS STRICTLY PROHIBITED.

14. IRRIGATION HEADS SHALL BE RELOCATED OR ADJUSTED TO MINIMIZE OR ELIMINATE OVER-SPRAYING ON SIDEWALKS, STREETS AND NON-DESIGNATED USE AREAS.

15. PROVIDE A MINIMUM OF 12 INCHES OF VERTICAL SEPARATION BETWEEN POTABLE/RECYCLED WATER/SEWER. CONSTANT PRESSURE RECYCLED WATER LINES SHALL CROSS AT LEAST TWELVE INCHES BELOW POTABLE WATER LINES AND MAINTIAN AT LEAST 12 INCHES SEPARATIN BETWEEN OTHER UTILITIES.

16. IF A CONSTANT PRESSURE RECYCLED WATER LINE MUST BE INSTALLED ABOVE A POTABLE WATER LINE OR LESS THAN TWELVE INCHES BELOW A POTABLE WATER LINE, THEN THE RECYCLED WATER LINE SHALL BE INSTALLED WITHIN AN APPROVED PROTECTIVE SLEEVE AS PER THE CITY OF SAN DIEGO'S RULES AND REGULATIONS.

17. WHEN POTABLE WATER LINES AND RECYCLED WATER LINES CROSS, THE RECYCLED LINE SHALL BE INSTALLED WITHIN A PROTECTIVE SLEEVE. THE SLEEVE SHALL EXTEND 10 FEET FROM EACH SIDE, FROM THE CENTER LINE OF POTABLE LINE, FOR A TOTAL OF 20 FEET.

18. MAINTAIN A 10 FOOT HORIZONTAL SEPARATION BETWEEN POTABLE WATER AND RECYCLED WATER OR SEWER LINES. INSTALL SEWER LINE BELOW RECYCLED WATER LINE AND RECYCLED WATER LINE BELOW THE POTABLE WATER LINE.

19. THE SITE IRRIGATION SYSTEMS AS SHOWN ON THESE DOCUMENTS WILL UTILIZE POTABLE WATER UNTIL SUCH TIME AS THE CITY OF SAN DIEGO MAKES RECYCLED WATER AVAILABLE TO THE SITE.

20. INSTALL PURPLE COLORED PANTONE #522 MATERIAL FOR ALL ABOVE GROUND IRRIGATION FACILITIES:

A. VALVE AND OTHER ON GRADE BOXES - INTEGRAL COLOR
B. BACKFLOW DEVICES - PAINTED 2 COATS OF ENAMEL
C. SPRINKLER HEADS - INTEGRAL COLOR PLASTIC

21. TAG ALL VALVES AND OTHER BELOW GRADE APPURTENANCES WITHIN BOXES WITH PERMANENT RECYCLED WATER LABELS IN BOTH ENGLISH AND SPANISH THAT IDENTIFY RECYCLED WATER IN USE ("RECYCLED WATER-DO NOT DRINK"). ATTACH THE LABEL WITH EITHER STAINLESS STEEL WIRE OR SELF LOCKING PLASTIC TIES.

22. THE REQUIRED CROSS-CONNECTION TEST SHALL BE DONE BY THE CITY OF SAN DIEGO WATER DEPARTMENT AND MONITORED BY THE COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH. COPIES OF INSPECTION REPORTS WILL BE FORWARDED TO THE NON-INSPECTING PARTY.

23. THE DESIGN LOCATIONS PROPOSED FOR RECYCLED WATER "DO NOT DRINK" SIGNS SHALL BE CALLED OUT ON THE PLANS.

24. AN ANNUAL CROSS-CONNECTION INSPECTION WILL BE DONE BY THE CITY OF SAN DIEGO SUBJECT TO APPROVAL BY THE COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH. COPIES OF THE INSPECTION REPORTS WILL BE FORWARDED TO THE NON-INSPECTION PARTY. A CROSS-CONNECTION SHUTDOWN TEST WILL BE PERFORMED EVERY FOUR YEARS.

25. PRIOR TO CONVERSION TO RECYCLED WATER, AN ONSITE RECYCLED WATER SITE SUPERVISOR SHALL BE DESIGNATED IN WRITING. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY AND WITH THE BASIC REQUIREMENTS OF RECYCLED WATER SYSTEMS. THE DESIGNATED SITE SUPERVISOR SHALL BE CERTIFIED BY ATTENDING A CLASS FOR RECYCLED WATER SITE SUPERVISORS. SITE SUPERVISOR MUST BE RE-CERTIFIED EVERY FIVE YEARS. COPIES OF THE SITE SUPERVISOR'S CERTIFICATE, WITH A 24-HOUR CONTACT NUMBER, SHALL BE PROVIDED TO THE CITY OF SAN DIEGO AND THE COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH WITH THE FOLLOWING INFORMATION:

IN CASE OF EMERGENCY CONTACT: _____ AT _____

AFTER HOURS CONTACT: _____ AT _____

26. A PHYSICAL SEPARATION SHALL BE PROVIDED BETWEEN ADJACENT AREAS IRRIGATED WITH RECYCLED WATER AND POTABLE WATER. SEPARATION SHALL BE PROVIDED BY DISTANCE, CONCRETE MOW STRIPS, OR OTHER APPROVED METHODS.

27. CALL OUT ON THE PLANS IF THERE ARE OR ARE NOT ANY DRINKING FOUNTAINS AND/OR DESIGNATED OUTDOOR EATING AREAS ON THE SITE.

28. ALL PUBLIC AND PRIVATE POTABLE WATER MAINS INCLUDING FIRE MAINS AND ANY WATER WELLS AND WATER COURSES WITHIN THE RECYCLED WATER PROJECT SHALL BE SHOWN ON THE PLANS.

29. EDUCATE ALL MAINTENANCE PERSONNEL ON A CONTINUOUS BASIS OF THE PRESENCE OF RECYCLED WATER. PERSONNEL MUST BE INFORMED THAT RECYCLED WATER IS MEANT FOR THE SITE'S DESIGNATED PURPOSES ONLY, AND IS NOT APPROVED FOR DRINKING PURPOSES, HAND WASHING, CLEANING OF TOOLS, ETC. GIVEN THE HIGH TURNOVER RATE OF EMPLOYEES IN THE LANDSCAPE INDUSTRY, IT IS IMPORTANT THIS INFORMATION BE DISSEMINATED ON AN ALMOST DAILY BASIS.

30. PRIOR TO INSTALLATION OF ANY RECYCLED WATER WORK, IT MUST BE INSPECTED BY THE CITY'S RECYCLED WATER PROGRAM PERSONNEL. THE INITIAL CROSS-CONNECTION SHUTDOWN TEST SHOULD BE PERFORMED USING POTABLE WATER FROM A FIRE HYDRANT AND THROUGH A CONSTRUCTION METER WITH AN APPROVED BACKFLOW DEVICE ISSUED BY THE CITY WATER DEPARTMENT.

31. ALL INITIAL IRRIGATION SHALL USE POTABLE WATER. NO RECYCLED WATER SHALL BE USED UNTIL THE SITE HAS PASSED THE INITIAL SHUTDOWN CROSS-CONNECTION TEST AND HAS BEEN APPROVED BY THE CITY OF SAN DIEGO AND COUNTY OF SAN DIEGO.

DECLARATION OF RESPONSIBLE CHARGE :
I HEREBY DECLARE THAT I AM THE LICENSED DESIGN PROFESSIONAL OF THE WORK FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGES OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.
I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO AND SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS THE LICENSED DESIGN PROFESSIONAL OF THE WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

FIRM NAME _____

RESPONSIBLE PARTY NAME _____JB_____

ADDRESS_____

PHONE _____ EMAIL_____

SIGNATURE_____ DATE _____

REGISTRATION NUMBER _____2542_____ EXPIRATION DATE___07/09_____

DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES :

COUNTY OF SAN DIEGO _____

SIGNATURE_____ DATE _____

REGISTERED LANDSCAPE ARCHITECT
JON JAY BECKER
2542
Signature
Date
STATE OF CALIFORNIA
EXPIRES 7/31/09

PROJECT DESIGN CONSULTANTS
Planning | Landscape Architecture | Engineering | Survey
701 B Street, Suite 800
San Diego, CA 92101
619.235.6471 Tel
619.234.0349 Fax

PRIVATE CONTRACT

IRRIGATION NOTES FOR:

SCRM

APN 342-010-18

CITY OF SAN DIEGO, CALIFORNIA
DEVELOPMENT SERVICES DEPARTMENT
SHEET 12 OF 17 SHEETS

W.O. NO. 431587
P.T.S NO. 164918

FOR CITY ENGINEER _____ DATE _____

T.M.W. _____

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	PDC			
AS-BUILTS	PDC			

1904 – 6255
NAD 83
264 – 1695
LAMBERT COORDINATES

CONTRACTOR_____ DATE STARTED_____
INSPECTOR_____ DATE COMPLETED_____

35016-12-D

P:\3658\LANDARCH\CD\Street Improvement\Irrigation\3658 Irrigation Notes.dwg5/6/2009

RW

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ISSUED FOR	DATE
BID PK #1	10.06.08
50% PROGRESS	10.24.08
BD PK #1 80% CD	12.01.08
BD PK #1 100% CD	02.16.09
BD PK #2 100% CD	03.26.09
100% CD	05.08.09

SANFORD CONSORTIUM FOR REGENERATIVE MEDICINE

La Jolla, CA

CONSULTANT

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Lankford/Phelps Consortium LLC
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Contact: Mr. Jim Lankford 858.558.9500

FENTRESS | ARCHITECTS
427 Broadway, Denver, CO 80203
303.722.0800

DAVIS | DAVIS ARCHITECTS
2442 Fifth Avenue San Diego, CA 92103

STAMP

REGISTERED LANDSCAPE ARCHITECT
JON JAY BECKER
2542
Signature
Date
STATE OF CALIFORNIA
EXPIRES 7/31/09

SHEET NAME
IRRIGATION NOTES

DRAWN BY:

PROJECT #:

SHEET NUMBER
C3012

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