PERRIS II
EMWD DESALINATION FACILITY
RECYCLED WATER IRRIGATION NOTES

EASTERN MUNICIPAL WATER DISTRICT RECYCLED WATER NOTES:

1. THE RECYCLED WATER SYSTEM SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE EASTERN MUNICIPAL WATER DISTRICT STANDARDS AND SPECIFICATIONS FOR DEVELOPER'S PROJECTS.
2. USE OF RECYCLED WATER SHALL ADHERE TO TITLE 22, DIVISION 4, CHAPTER 3 OF THE CALIFORNIA CODE OF REGULATIONS AND THE CURRENT RULES, ORDINANCES, REGULATIONS AND SPECIFICATIONS OF THE DISTRICT.
3. FOR ON SITE RECYCLED IRRIGATION INSTALLATION (INCLUDING SLEEVING) EASTERN MUNICIPAL WATER DISTRICT REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED FOR IRRIGATION AND PLANTING INSTALLATION ONLY, PRIOR TO ANY IRRIGATION CONSTRUCTION BY CALLING EMWD RECYCLED WATER PROGRAM GARY SCHLENKER AT (951) 928-3777 EXT. 4841 FOR THE EASTERN MUNICIPAL WATER DISTRICT'S FIELD ENGINEERING DEPARTMENT AT EXT. 4830.
4. THE EASTERN MUNICIPAL WATER DISTRICT OPERATION DEPARTMENT SHALL BE NOTIFIED TWO WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AT (951) 679-3222. ALL WORK PERFORMED WITHOUT BENEFIT OF INSPECTION SHALL BE SUBJECT TO REJECTION AND REMOVAL.
5. CROSS CONNECTIONS BETWEEN RECYCLED WATER LINES AND POTABLE WATER LINES ARE STRICTLY PROHIBITED. FINES MAY BE LEVIED.
6. NON-DESIGNATED USE AREAS SHALL BE PROTECTED FROM CONTACT WITH RECYCLED WATER, CAUSED BY WINDBLOWN SPRAY, IRRIGATION DESIGN OR UNAUTHORIZED USE. LACK OF PREVENTION, WHETHER BY DESIGN, CONSTRUCTION PRACTICE, OR SYSTEM OPERATION, IS STRICTLY PROHIBITED.
7. RECYCLED WATER IRRIGATION CANNOT BE USED IN THE VICINITY OF WATER RECREATION AREAS, WHERE RECYCLED WATER MIST CAN CONTACT WATER RECREATION AREAS.
8. HOSE BIBS ARE STRICTLY PROHIBITED ON RECYCLED WATER SYSTEMS.
9. FOOD PREPARATION, OUTDOOR EATING AREAS, AND DESIGNATED CHILDREN PLAY EQUIPMENT MUST NOT BE SUBJECTED TO RECYCLED WATER OVERSPRAY, RUNOFF OR PONDING. TYPICAL WAYS OF ACCOMPLISHING THIS IS BY SELECTION OF LANDSCAPE MATERIALS OR BY DESIGN SUCH AS UTILIZING LOW TRAJECTORY ROTORS OR DRIP IRRIGATION.
10. NO PONDING, RUNOFF OR OVERSPRAY IS PERMITTED. ADJUST ALL SPRINKLER HEADS TO MINIMIZE OVERSPRAY ONTO SIDEWALKS, STREETS DRINKING AND DECORATIVE FOUNTAINS, COMFORT STATIONS, PLAYGROUND EQUIPMENT, PICNIC TABLES, BBQ, PRIVATE LOTS, ETC.
11. ALL ON-SITE RECYCLED WATER PIPING INSTALLED ON THIS PROJECT SHALL BE PURPLE IN COLOR, PANTONE 522C AND IDENTIFIED IN ACCORDANCE WITH THE CURRENT CDHS GUIDELINES AND EASTERN MUNICIPAL WATER DISTRICTS STANDARDS AND SPECIFICATIONS.
12. SIGNS OR DECALS WITH "RECYCLED WATER, DO NOT DRINK" AND THE DO NOT DRINK SYMBOL MUST BE POSTED ON PUMP CABINETS AND CONTROLLER STATIONS. RECYCLED WATER SPRINKLERS / SPRAY HEADS MUST HAVE PURPLE CAPS, PURPLE COLLARS, AND THE RISERS HAVE A RECYCLED WATER DECAL. LARGE THROW HEADS MUST HAVE PURPLE INSERTS. PURPLE CAPS AND COLLARS MUST BE FIRMLY AFFIXED TO SPRINKLER HEADS. ALL OTHER ABOVE GROUND EQUIPMENTS MUST BE COLORED PURPLE OR HAVE A "RECYCLED WATER, DO NOT DRINK" DECAL OR SIGN.
13. ALL VALVE CAPS FOR ON-SITE BURIED GATE VALVES SHALL BE TRIANGULAR IN SHAPE WITH THE WORDS "RECYCLED WATER" THEREON PER STANDARD DRAWING NO. PA-2.
14. WARNING TAPE FOR THE RECYCLED WATER PIPING SHALL BE PURPLE IN COLOR, PANTONE 522C, WITH THE WORDS "CAUTION: RECYCLED WATER" IMPRINTED IN MINIMUM 1 INCH HIGH LETTERS BLACK IN COLOR. IMPRINTING SHALL BE CONTINUOUS AND PERMANENT.
15. ALL AUTOMATIC CONTROLLERS MUST BE SET TO OPERATE BETWEEN THE HOURS OF 9:00 P.M. AND 6:00 A.M. UNLESS OTHERWISE PERMITTED BY THE DISTRICT. DRIP AND BUBBLER SYSTEMS HAVE NO WATER WINDOW RESTRICTIONS.
16. WARNING SIGNS AND LABELS SHALL READ "CAUTION: RECYCLED WATER DO NOT DRINK", AND SHALL BE IN BOTH ENGLISH AND IN SPANISH. THE SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL FOR DO NOT DRINK. THE DESIGN LOCATION FOR WARNING SIGNS SHALL BE CALLED OUT ON THE PLANS AT ALL DRIVEWAY ENTRANCES, WALKWAY ENTRANCES, RECYCLED WATER METERS AND POSTED EVERY 500' ALONG FENCE LINES. FINAL FIELD LOCATIONS SHALL BE AS DIRECTED BY THE DISTRICT REPRESENTATIVE AND ASBUILT.
17. WHEN POTABLE WATER IS ONSITE, THE REQUIRED DEPARTMENT OF HEALTH TITLE 22 CROSS CONNECTION SHUTDOWN TEST SHALL PRECEDE THE FINAL RELEASE OF THE IRRIGATION SYSTEM. THIS TEST WILL BE CONDUCTED BY EMWD'S WATER OPERATIONS DEPARTMENT.
18. 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.
19. FUTURE RECYCLED WATER IRRIGATION SYSTEMS MUST BE COMPLETELY SEPARATED FROM THE DOMESTIC POTABLE SYSTEM. ALL TEMPORARY POTABLE CONNECTIONS FOR CONSTRUCTION OR IRRIGATION MUST BE HIGHLINED FROM AN ALTERNATE POTABLE SOURCE ONLY AS APPROVED BY THE DISTRICT. SAID CONNECTION MUST BE MADE THROUGH A T-METER AND AN APPROVED ABOVE GROUND REDUCED PRESSURE (RP) PRINCIPAL BACKFLOW DEVICE WITHIN 3 FEET OF METER. NO PURPLE COLORED PIPING OR APPURTENANCES SHALL BE CONNECTED TO ANY POTABLE WATER SOURCE.
20. APPROVED REDUCED PRESSURE PRINCIPAL BACKFLOW DEVICES (RP) MUST BE THE SAME NOMINAL SIZE AS THE METER. APPROVED BACKFLOW DEVICES (RP) MUST BE TESTED BY AN EASTERN MUNICIPAL WATER DISTRICT APPROVED BACKFLOW TESTER (A LIST OF APPROVED TESTERS IS AVAILABLE UPON REQUEST).
21. ANY PROPOSED CHANGES TO A SYSTEM DURING CONSTRUCTION MUST BE SUBMITTED TO EASTERN MUNICIPAL WATER DISTRICT'S ENGINEERING DEPARTMENT FOR AUTHORIZATION OF CHANGES.
22. UPON FINAL ACCEPTANCE OF AN IRRIGATION SYSTEM ANY MODIFICATIONS MUST BE APPROVED THROUGH EMWD OPERATIONS AND MAINTENANCE DEPARTMENT PRIOR TO THE START OF CONSTRUCTION.
23. EMWD SHALL EDUCATE ALL MAINTENANCE AND INSTALLATION PERSONNEL ON A CONTINUOUS BASIS OF THE PRESENCE OF RECYCLED WATER. PERSONNEL MUST BE INFORMED THAT RECYCLED WATER IS MEANT FOR IRRIGATION PURPOSES ONLY, AND IS NOT APPROVED FOR DRINKING PURPOSES, HAND WASHING, CLEANING OF TOOLS, ETC.

    IN CASE OF EMERGENCY, CONTACT EMWD IOC AT 951-928-3777 EXT. 6265

    NAME PHONE NO

    OR AFTER HOURS, CONTACT EMWD IOC AT 951-928-3777 EXT. 6265

    NAME PHONE NO.
24. THE CONTRACTOR SHALL DESIGNATE AN ON-SITE USER/SUPERVISOR IN WRITING FOR SITE INSTALLATION THROUGH MAINTENANCE TO EMWD. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY, WITH THE BASIC CONCEPTS OF BACKFLOW/CROSS CONNECTION PROTECTION, THE RECYCLED PURVEYOR'S RULES AND REGULATIONS, AND THE SPECIFIC REQUIREMENTS OF A RECYCLED WATER SYSTEM. SAID PERSON IS REQUIRED TO PROVIDE A 24 HOUR CONTACT PHONE NUMBER AND ATTEND APPROVED SITE SUPERVISOR CLASS. COPIES OF THE DESIGNATION, WITH CONTACT PHONE NUMBERS SHALL BE PROVIDED TO EASTERN MUNICIPAL WATER DISTRICT.
25. QUICK COUPLER VALVES FOR RECYCLED WATER SHALL BE NELSON 7645, OR APPROVED EQUAL, WITH BRASS CONSTRUCTION AND WITH A SPECIAL QUICK COUPLER KEY WITH AN ACME THREAD FOR OPENING AND CLOSING THE VALVE. QUICK COUPLING VALVES SHALL BE OF A TYPE APPROVED FOR RECYCLED WATER USE. QUICK COUPLER VALVES CANNOT BE LOCATED WITHIN 50 FEET OF FOOD PREPARATION, OUTDOOR EATING AREAS, OR DESIGNATED CHILDREN PLAY EQUIPMENT OR WITHIN THE FENCED PERIMETER SURROUNDING SWIMMING POOLS.
26. PRIOR TO THE FINAL COVERAGE TEST, ONE (1) COMPLETE SET OF LAMINATED CONTROLLER CHARTS AND IRRIGATION AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE DISTRICT. AT THE DISTRICT'S DISCRETION, A SECOND COPY OF CONTROLLER CHARTS SHALL BE PLACED IN THE CONTROLLER CABINET.
27. POTABLE QUICK COUPLERS ARE NOT ALLOWED WITHIN THE RECYCLED WATER IRRIGATED AREA. POTABLE QUICK COUPLERS SHALL BE THE LUG TYPE.
28. EACH AUTOMATIC CONTROLLER AND ITS ASSOCIATED EQUIPMENT SHALL BE IDENTIFIED WITH A SIGN BEARING THE WORDS "CAUTION: RECYCLED WATER DO NOT DRINK" IN ENGLISH AND SPANISH, WITH BLACK LETTERS AT LEAST 1 INCH HIGH ON A PURPLE BACKGROUND AND WITH A "DO NOT DRINK" SYMBOL SIGN. THE SIGNS SHALL BE PLACED AS TO BE READILY SEEN BY ANY OPERATIONS PERSONNEL UTILIZING THE EQUIPMENT.
29. INTERCONNECTION OF IRRIGATION PRESSURE SUPPLY LINES ORIGINATING FROM MORE THAN ONE METER IS STRICTLY PROHIBITED.
30. FAILURE TO COMPLY WITH THESE NOTES AND THE DISTRICT'S RULES AND REGULATIONS IS A VIOLATION AND COULD RESULT IN SUSPENSION OF SERVICE UNTIL THE APPROPRIATE CORRECTIVE STEPS HAVE BEEN TAKEN.

Landscape Maintenance Responsibility Note

IT SHALL BE THE RESPONSIBILITY OF EMWD TO MAINTAIN ALL ON SITE RECYCLED WATER IRRIGATION IN ACCORDANCE WITH EMWD ORDINANCE 68.2 OR LATEST EDITION.

EMWD Time Limitation Note

THE TIME LIMIT ON IRRIGATION DRAWING APPROVAL SHALL BE SIX (6) MONTHS FROM THE DATE OF PLAN APPROVAL. IF CONSTRUCTION HAS NOT COMMENCED WITHIN THE STATED TIME, EMWD REQUIRES DRAWING(S) TO BE RE-SUBMITTED AND REVIEWED BY EMWD FOR POSSIBLE CHANGES IN FACILITIES TO ENSURE COMPLIANCE WITH CDPH AND EMWD STANDARDS AND SPECIFICATIONS.

Responsibility Disclaimer

ALL SCREENED FACILITIES, EXISTING OR PROPOSED, WERE OBTAINED FROM CIVIL PLAN SD-17456. ACTUAL SIZE AND LOCATION OF FACILITIES SHALL BE VERIFIED. CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES TO VERIFY TIE-IN LOCATIONS, PIPE SIZE AND TYPE PRIOR TO ANY WORK BEING PERFORMED. TO THE BEST OF OUR KNOWLEDGE THE FACILITIES EXIST OR WILL EXIST AS SHOWN. THE EASTERN MUNICIPAL WATER DISTRICT SHALL NOT BE HELD RESPONSIBLE FOR ACTUAL SIZE AND LOCATION. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DISTRICT ENGINEER.

Declaration of Responsible Charge

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THIS PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

FIRM NAME & ADDRESS: EMWD, 2270 TRUMBLE ROAD, PERRIS, CALIFORNIA 92572

SIGNATURE DATE

REGISTRATION NO. C45851

EMWD Construction Note

EASTERN MUNICIPAL WATER DISTRICT REQUIRES THAT A PRE-CONSTRUCTION CONFERENCE BE SCHEDULED PRIOR TO ANY CONSTRUCTION BY CALLING THE EASTERN MUNICIPAL WATER DISTRICT FIELD ENGINEERING DEPARTMENT AT (951) 928-3777, EXTENSION 4841.

Omission Statement

THERE ARE NO DRINKING FOUNTAINS, DECORATIVE FOUNTAINS, COMFORT STATIONS, OUTDOOR EATING AREAS, SWIMMING POOLS, PLAYGROUND EQUIPMENT, OR WELLS ON THE SITE. (DRINKING WATER FOUNTAINS, DESIGNATED OUTDOOR EATING AREAS POOLS...) SHALL BE PROTECTED AGAINST CONTACT WITH RECYCLED WATER SPRAY, MIST, OR RUN-OFF. THE POTABLE WATERLINE SUPPLYING THE DRINKING FOUNTAIN MUST HAVE A WARNING BLUE COLORED TAPE IDENTIFYING IT AS A POTABLE WATERLINE AND STATING "CAUTION: BURIED WATERLINE BELOW" INSTALLED OVER IT.

Potable and Recycled Water Separation Note

RECYCLED MAINLINE (CONSTANT PRESSURE) SHOWN DIAGRAMMATICALLY FOR CLARITY ONLY. ACTUAL LOCATION MUST PROVIDE A MINIMUM FOUR (4) FEET HORIZONTAL CLEARANCE BETWEEN ALL POTABLE, RAW WATER, AND CONSTANT PRESSURE RECYCLED WATERLINES. RECYCLED WATER MAINLINE SHOULD BE INSTALLED UNDER POTABLE AND RAW WATERLINES AND MAINTAIN ONE (1) FOOT OF VERTICAL CLEARANCE. WHERE THE RECYCLED WATER CONSTANT PRESSURE LINE MUST BE INSTALLED ABOVE THE POTABLE OR RAW WATERLINE, A FOUR (4) INCH MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AND THE RECYCLED WATER PRESSURE LINE MUST BE INSTALLED IN A CONTINUOUS PVC CLASS 200 PIPE OR GREATER SLEEVE WHICH EXTENDS A MINIMUM OF TEN (10) FEET EACH SIDE OF THE POTABLE OR RAW WATERLINE.

SYSTEM METER INFORMATION TABLE

POC SYMBOL	POC STATION	CIVIL DRAWING #	IRRIGATED AREA	DEMAND GPM	ANNUAL USE AC/FT	LATERAL SIZE (IN)	METER SIZE (IN)
"A"	29+05	SD-17456	8,750 S.F	7 GPM	.05	2"	2"
		TOTAL	8,750 S.F	7 GPM	.05		

REGISTERED PROFESSIONAL ENGINEER
Hossein Jaybori
CIVIL CERTIFICATE
NO. C45851
EXP. 12-31-2010
CIVIL
STATE OF CALIFORNIA

DATE: _____

L-4

SHEET 219 OF 226 SHEETS

SYMBOL	DESCRIPTIONS	DATE	APPROVAL

REVISIONS

EASTERN MUNICIPAL WATER DISTRICT
PERRIS II DESALINATION FACILITY
PERRIS, CALIFORNIA

RECYCLED IRRIGATION NOTES

U.S. ARMY ENGINEER DISTRICT
LOS ANGELES
CORPS OF ENGINEERS

DESIGNED BY: ;
DRAWN BY: ;
CHECKED BY: ;

CH2MHILL

SUBMITTED BY:
ART JUNG, P.E.
CHIEF, DESIGN BRANCH

CADD FILE NAME: PDF1001d.dgn

L.A. DISTRICT FILE NO. XXX-XXXX

SPEC. NO. : NOT APPLICABLE

NDM-SCO:EMWD USACE PERRIS II/ PDF1001d.dgn PLOT DATE: 2/19/2010 PLOT TIME: 11:13:26 AM