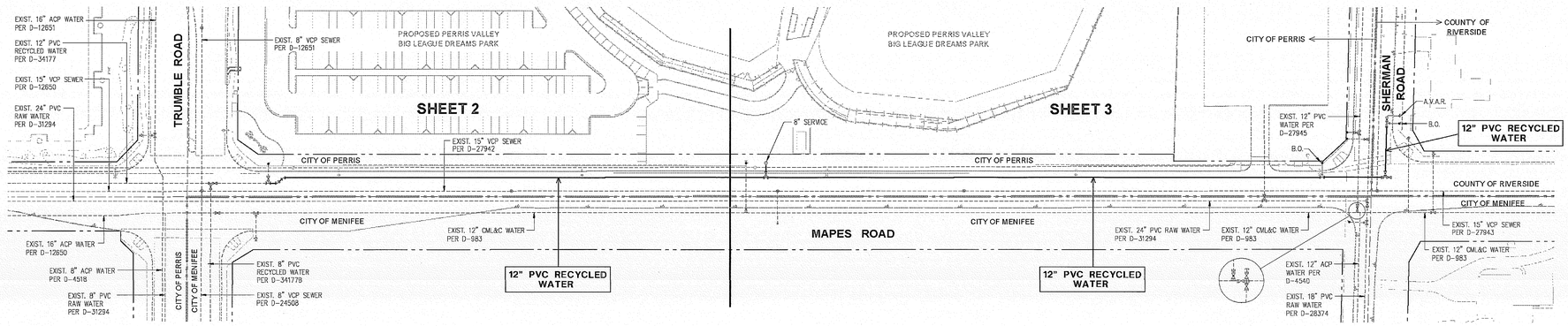
CITY OF PERRIS
OFFSITE RECYCLED WATER IMPROVEMENT PLANS
FOR
BIG LEAGUE DREAMS APN 327-190-005



INDEX MAP
SCALE: 1"=60'

EMWD RECYCLED WATER NOTES

1. RECYCLED WATER LINE AND APPURTENANT CONSTRUCTION SHALL BE IN ACCORDANCE WITH MWD STANDARDS AND SPECIFICATIONS.
2. PRIOR TO CONSTRUCTION OF PIPELINE, CONTRACTOR SHALL EXPOSE EXISTING RECYCLED WATER SYSTEM AND VERIFYING ITS EXISTING ELEVATION AND LOCATION.
3. BLOW-OFFS SHALL BE INSTALLED IN ACCORDANCE WITH STD. DWG. PA-1.
4. TEMPORARY BLOW-OFFS SHALL BE INSTALLED IN ACCORDANCE WITH STD. DWG. PA-1.
5. AIR VALVES SHALL BE INSTALLED IN ACCORDANCE WITH STD. DWG. PB-8 TYPE "B".
6. RECYCLED WATER SYSTEM PROFILE ELEVATIONS ARE TO CENTERLINE (CENTERGRADE) OF PIPE.
7. JOINT RESTRAINERS, INSTEAD OF THRUST BLOCKS, SHALL BE USED ON ALL MAIN LINE PIPE JOINTS WITHIN SPECIFIED LIMITS AND ALL JOINTS OF WATER APPURTENANCE LATERALS OFF MAIN LINE, EMWD STD. DWG. B-653.
8. ALL P.V.C. PIPE THROUGH 12" SHALL BE TYPE C-900, DR 18 EXCEPT WHERE NOTED OTHERWISE. PIPE SHALL CONFORM TO AWWA SPECIFICATIONS.
9. FITTINGS FOR P.V.C. PIPE SHALL BE DUCTILE OR GRAY IRON. FITTINGS SHALL BE FLANGED, BOLTED MECHANICAL JOINTS, OR PUSH-ON JOINTS, AND SHALL BE CEMENT MORTAR LINED AND TAR (SEAL) COATED PER EMWD STANDARDS AND SPECIFICATIONS.
10. POLYETHYLENE ENCASEMENT: ALL DUCTILE OR GRAY IRON FITTINGS SHALL BE POLYETHYLENE ENCASED AT THE TIME OF INSTALLATION PER EMWD STANDARDS AND SPECIFICATIONS.
11. ALL SERVICE CONNECTIONS SHALL BE AS NOTED AND LOCATED AS SHOWN ON THE PLANS, SERVICES SHALL BE LOCATED IN ACCORDANCE WITH STD. DWG. PB-1.
12. ALL NEW BURIED CONSTANT PRESSURE TRANSMISSION/ DISTRIBUTION PIPING IN THE RECYCLED WATER SYSTEM, INCLUDING SERVICE LINES, VALVES AND OTHER APPURTENANCES SHOULD EITHER BE COLORED PURPLE, PANATONE 522C, AND EMBOSSED OR BE INTEGRALLY STAMPED/ MARKED "CAUTION: RECYCLED WATER DO NOT DRINK", OR BE INSTALLED WITH A PURPLE IDENTIFICATION TAPE, OR A PURPLE POLYETHYLENE VINYL WRAP, COLOR TO BE PANATONE 522C.

NOTES TO CONTRACTOR

1. PROTECT ALL EXISTING UTILITIES IN PLACE.
2. ALL CONSTRUCTION SHOULD OBEY THE FOLLOWING SEPARATION STANDARDS:
   A. PARALLEL CONSTRUCTION: THE HORIZONTAL DISTANCE BETWEEN POTABLE WATER AND SEWER OR RECLAIMED WATER MAINS SHALL BE AT LEAST 10 FEET.
   B. PERPERDICULAR CONSTRUCTION (CROSSING): POTABLE WATER MAINS SHALL BE AT LEAST ONE FOOT ABOVE SEWER OR RECLAIMED WATER MAINS WHERE THESE LINES MUST CROSS.

   ANY DEVIATION FROM THESE STANDARDS WILL REQUIRE SPECIAL PROVISIONS AS DESCRIBED ON THE PLANS.
3. CONTRACTOR SHALL BACKFILL WITH CONTROLLED DENSITY FILL, ALL UTILITY CROSSINGS, WITH LESS THAN 6 INCHES OF SEPARATION. THE CONTROLLED DENSITY FILL SHALL EXTEND TO ONE FOOT ON EITHER SIDE OF THE FACILITY TO BE SUPPORTED. THE CONTROLLED DENSITY FILL SHALL EXTEND FROM THE TOP OF THE NEW PIPELINE TO THE SPRING LINE OF THE FACILITY TO BE SUPPORTED.
4. EXISTING UTILITIES (INCLUDING LATERALS) HAVE BEEN LOCATED BY SEARCH OF AVAILABLE RECORDS AND FIELD REVIEW.
   CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
   CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ALL LINES AND SHALL BE RESPONSIBLE FOR COST DUE TO DAMAGE OF ANY UTILITY EITHER SHOWN OR NOT SHOWN ON PLANS.

NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY– NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.

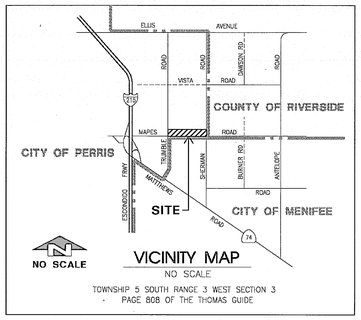
THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINE AS SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

LOCATIONS OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-227-2600 AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

CONTRACTOR SHALL ALSO NOTIFY THE CITY OF PERRIS AT (951) 943-5003, COUNTY OF RIVERSIDE AT (951) 955-6790, CITY OF MENIFEE AT (951) 672-6777, AND EASTERN MUNICIPAL WATER DISTRICT AT (951) 928-3777 AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

THE QUANTITY ESTIMATE SHOWN HEREON IS FOR THE USE OF GIVERNING AGENCIES IN DETERMINING BOND AMOUNT AND/ OR FEES AND IS NOT TO BE USED FOR BID PURPOSES.



VICINITY MAP
NO SCALE
TOWNSHIP 5 SOUTH RANGE 3 WEST SECTION 3
PAGE 808 OF THE THOMAS GUIDE

RECYCLED WATER QUANTITY ESTIMATES

CONTRACTOR SHALL CONFIRM ALL QUANTITIES AND MATERIAL NEEDED.

DESCRIPTION	QUANTITY	UNIT	STD. DWG.
REMOVE EXISTING A.V.A.R. AND JOIN EXISTING 12" PVC RECYCLED WATER MAIN WITH 12"x12"x6" HxHxF TEE	1	EA	
RECONNECT EXISTING 6" BLOW-OFF	1	EA	
12" PVC AWWA C-900, DR18 RECYCLED WATER LINE	1,142	LF	PB-6
8" LANDSCAPE SERVICE	1	EA	PB-1
12"x12"x8" HxHxF TEE	1	EA	
8" FxH RSGV	1	EA	PB-4
6" BLOW-OFF	2	EA	PA-1
12" FLG'D TEE	1	EA	
12" FxF RSGV	2	EA	PB-4
12" DIA. BLIND FLANGE	2	EA	
12" FxH RSGV	1	EA	PB-4
12" FxH ADAPTOR	2	EA	
12"x12"x6" FLG'D TEE	1	EA	
1" A.V.& A.R.	1	EA	PB-8
12"x 45° HxH BEND	2	EA	
12"x 11 1/4° HxH BEND	2	EA	
12" PVC AWWA C-900, CL-200 RECYCLED WATER LINE	156	LF	PB-6

RECYCLED WATER LEGEND

- RECYCLED WATER MAIN (SIZE & TYPE NOTED)
- EXISTING EMWD FACILITIES (SIZE & TYPE NOTED)
- COMBINATION A.V. & A.R. (PB-8)
- SERVICE CONNECTION WITHOUT METER
- BLOW-OFF (PA-1)
- RESILIENT SEAT GATE VALVE F x F
- RESILIENT SEAT GATE VALVE H x H
- F x H ADAPTOR

IMPLEMENTING FACILITIES

NONE

NOTIFICATIONS

CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AT LEAST 48 HOURS IN ADVANCE OF STARTING CONSTRUCTION:

EASTERN MUNICIPAL WATER DISTRICT FIELD ENGINEERING DEPARTMENT	(951) 928-3777 EXT. 4830
CITY OF PERRIS (PLANNING)	(951) 943-5003
COUNTY OF RIVERSIDE (PERMIT)	(951) 955-6790
CITY OF MENIFEE (ENG/ PUBLIC WORKS)	(951) 672-6777
VERIZON	(800) 483-4000
SO. CAL. EDISON COMPANY	(951) 928-8234
THE GAS COMPANY	(800) 427-2200
UNDERGROUND SERVICE ALERT (USA)	(800) 227-2600

LEGAL DESCRIPTION

IN THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, BEING LOTS 476 THROUGH 489 OF ROMOLA FARMS NO. 6A AS SHOWN BY MAP ON FILE IN BOOK 14 OF MAPS, PAGES 63, 64 AND 65, RECORDS OF SAID RIVERSIDE COUNTY, TOGETHER WITH THE SOUTHEAST ONE-QUARTER OF THE SOUTHEAST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SECTION 3, TOWNSHIP 5 SOUTH, RANGE 3 WEST, SAN BERNARDINO MERIDIAN.

BENCH MARK

RIVERSIDE COUNTY BENCHMARK: 600-33-68. ELEV. 1412.409
STANDARD BRASS DISK ON CONCRETE POST 1.3 MILES SOUTHEAST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION IN PERRIS, 125 FT. NORTH OF CASE ROAD, 56 FT. NORTH OF THE MOST NORTHERLY RAIL OF THE TRACK, 5 FT. WEST OF POWER POLE #74680, 2 FT. LOWER THAN THE RAILWAY, 2 FT. EAST OF A MARKER POST, SET A BRASS DISK IN TOP OF A CONCRETE POST.
VERTICAL DATUM: 1929 (NGVD29)

BASIS OF BEARINGS

BEARINGS SHOWN HEREON ARE BASED UPON THE CENTERLINE OF SHERMAN ROAD BEING NORTH 01°29'32" EAST AS SHOWN ON TRACT MAP NO. 25901, FILED IN BOOK 405, PAGES 86 THROUGH 91 OF MAPS, OFFICIAL RECORDS OF THE COUNTY OF RIVERSIDE.

TIME LIMITATIONS

THE TIME LIMITS ON DRAWING APPROVAL SHALL BE SIX (6) MONTHS FROM THE DATE OF CERTIFICATION. IF CONSTRUCTION HAS NOT COMMENCED WITHIN THE STATED TIME, EMWD REQUIRES THE DRAWING(S) TO BE REVIEWED BY THE DEVELOPER/DESIGNER ENGINEER AND RESUBMITTED TO EMWD FOR POSSIBLE CHANGES IN MASTER PLANNED SIZING AND CHANGES IN SPECIFICATIONS AND STANDARDS.

COUNTY INSPECTION NOTE:
THIS PROJECT IS NOT BONDED BY COUNTY AND TO BE INSPECTED BY PERMITS DIVISION UNDER ZEDA0037

COUNTY PERMIT NOTE:
APPROVAL BY THE COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT IS FOR THE AREA WITHIN COUNTY ROAD R/W ONLY

CITY OF PERRIS
(CITY RIGHT-OF-WAY ONLY)
APPROVED BY:
CITY ENGINEER DATE

DIGALERT
DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
ALAN D. FRENCH, PE DATE
RECOMMENDED DATE

SEAL – COUNTY
REGISTERED PROFESSIONAL ENGINEER ALAN D. FRENCH No. CE 45702 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

MARK	BY	DESCRIPTION	APPR.	DATE
ENGINEER		REVISIONS	EMWD	

SEAL – ENGINEER
REGISTERED PROFESSIONAL ENGINEER DAVID LEE BACON No. 40496 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

PLANS PREPARED UNDER THE SUPERVISION OF:
WALDEN & ASSOCIATES
CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS
2552 WHITE ROAD, SUITE B, IRVINE, CA 92614
(949) 660-0110 FAX: 660-0418
DAVID L. BACON P.E. 40496 DATE

RECYCLED WATER APPROVED BY:
EASTER MUNICIPAL WATER DISTRICT

APPROVALS	CIVIL ENGINNER OF SUBDIVISIONS		DATE
		INITIAL	DATE
	PROJECT ENG.		

COUNTY OF RIVERSIDE: MS 4216 IP 090020 W.O. ZEDA0037

CITY OF PERRIS
BIG LEAGUE DREAMS APN 327-190-005
OFFSITE RECYCLED WATER IMPROVEMENT PLANS
TITLE SHEET AND INDEX MAP

I.D.	98
S.A.	
W.O.	12-649
C.O.	
COORD.	37-C-36
FILE NO.	
SHEET	1 OF 3

D-41186