EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA
SAN JACINTO VALLEY WATER BANKING
ENHANCED RECHARGE AND RECOVERY PROGRAM
PHASE 1A WELL PIPELINES

BOARD OF DIRECTORS

PRESIDENT
DAVID J. SLAWSON

VICE-PRESIDENT
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DIRECTOR
PHILIP E. PAULE

DIRECTOR
RANDY A. RECORD

GENERAL MANAGER
PAUL D. JONES II, P.E.

APPROVED BY:

JOE McGUINNESS, P.E.
ASSISTANT GENERAL MANAGER
PLANNING, ENGINEERING & CONSTRUCTION

LOCATION MAP
SCALE: NTS
GENERAL NOTES

1. ALL WORK SHALL BE DONE ELECTRO-MAGNETICALLY WITH THE PROJECT SPECIFICATIONS.

2. PRIOR TO CONSTRUCTION OF PIPE, THE CONTRACTOR SHALL PROVIDE SCRUB CLOGGING JIGS FOR INSTALLATION OF PIPE WITHIN THE DESIGNATED BOUNDARIES

3. DIGger DAWGS AND NEIGHBORS - A FRIENDLY PROGRAM TO PROTECT YOUR LIKELIHOOD OF A CELTIC COCA-2013 AND THE PROJECT SPECIFICATIONS.

4. THE CONTRACTOR SHALL NOT UNDERGROUND SERVICE ALERT LOCATIONS OR ANY PRIVATE FACILITIES AT ANY LEVELS OF ANY HORIZONTAL OR VERTICAL SUPPORTS.

5. ALL CONCRETE SHALL BE PLACED IN ONE OR TWO BULK TRUCK LOADS.

6. THE CONTRACTOR SHALL MAINTAIN THE WORK AREA AT A LEVEL SUCH THAT EXCAVATION DEEPER THAN 120 INCHES SHALL BE DUMPED IN TWO BULK TRUCK LOADS.

7. THE CONTRACTOR SHALL VERIFY SEWER LATERAL LOCATIONS PRIOR TO LOCATION.

8. ALL BURIED VALVES SHALL BE PROVIDED WITH RISERS, VALVE BOXES AND FACILITIES AND REPLACE ALL TRAFFIC SIGNAL CONDUITS AND LOOPS DIRECTED BY DISTRICT AND CITY OF SAN JACINTO.

9. UTILITIES, PAVEMENT, CURB, TRAFFIC STRIPPING AND MARKINGS, TRAFFIC ELEVATIONS AND DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION IN THE PROVIDED. METHOD OF ESTABLISHMENT SHALL BE STATED ON THE TIE SHEET.

10. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND ACQUIRING SAN JACINTO BEFORE COMMENCING WORK. THE CONTRACTOR SHALL STAGING OR MATERIAL STOCK PILE AREAS, SUBJECT TO APPROVAL OF THE DISTRICT.

11. THREE WEEKS OR 1,500 FEET, WHICHEVER IS GREATER, IN ADVANCE OF THE ACT OF THE CONTRACTOR SHALL BE REPLACED AND NEW TIE SHEETS FOR PUBLIC WORKS CONSTRUCTION.

12. ALL CONCRETE SHALL BE CLASS 560-C-3250 UNLESS OTHERWISE INDICATED.

13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

14. CONTRACTOR SHALL POTHOLE AND LOCATE EXISTING CROSSING AND CONSTRUCTION ORignal TIE SHEETS.

15. ALL PVC PIPE THROUGH 12 INCH SHALL BE TYPE C-900, DR 18, EXCEPT WHERE IN CONTRACT.

16. IN CONTRACT.

17. THESE AND THE DISTRICT SATISFACTION.

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21. THE DISTRICT SHALL-confine ALL OF HIS ACTIVITIES TO THE AREAS SHAPED TO FACILITATE DRAINAGE AND AVOID PONDING AND SHALL BE

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51. GENERAL NOTES, SHEET INDEX, LEGEND AND ABBREVIATIONS

BASIS OF BEARINGS

THE CONTRACTOR SHALL COLLECT THE FOLLOWING AIDS AT LEAST 60 HOURS BEFORE YOU DIG IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

NOTIFICATIONS

CONTRACTOR SHALL COLLECT THE FOLLOWING AIDS AT LEAST 60 HOURS BEFORE YOU DIG IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

BENCHMARK

THE CONTRACTOR SHALL COLLECT THE FOLLOWING AIDS AT LEAST 60 HOURS BEFORE YOU DIG IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

DISCLAIMER

THE CONTRACTOR SHALL COLLECT THE FOLLOWING AIDS AT LEAST 60 HOURS BEFORE YOU DIG IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
WELL 203 PIPELINE PLAN AND PROFILE
STA 534+15.34 TO STA 538+04.26

1" = 40'

SCALE:
HORIZ: 1"=40'
VERT: 1" = 4'

NOTES:

1. THE CONTRACTOR IS EXPECTED TO ENCOUNTER ROOTS FROM ADJACENT TREE STUMPS DURING EXCAVATION.

CONSTRUCTION NOTES

1. CONSTRUCT 12" PVC PIPE, BACKFILL PER EMWD STD DWG B-286B
2. CONSTRUCT 12" PVC PIPE, RESTRAIN JOINTS PER EMWD STD DWG B-663
3. CONSTRUCT 6" BLOW-OFF PER EMWD STD DWG B-357
4. CONSTRUCT AIR RELEASE AND VACUUM VALVE ASSEMBLY PER EMWD STD DWG B-367
5. CONSTRUCT 12" 90° DI BEND, MJ X MJ, RESTRAIN JOINTS PER EMWD STD DWG B-663
6. CONSTRUCT 12" 22.5° DI BEND, MJ X MJ, RESTRAIN JOINTS PER EMWD STD DWG B-663
7. CONSTRUCT 2" AIR / VAC VALVES ASSEMBLY PER EMWD STD DWG B-367
8. CONSTRUCT PROTECT IN PLACE EXIST GATE
9. CONSTRUCT PROTECT IN PLACE EXIST GATE

A. TYPICAL COMBINED TRENCH SECTION

B. PROJECT ENG.
C. INSPECTION
D. OPERATIONS
E. MAINTENANCE

DESIGNED: MARC SERNA, P.E. 09/2018
DRAWN: GREG KOWALSKI, P.E. 09/2018
CHECKED: 09/2018
SUBMITTED: 09/2018

EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA

W.O. 414736 414737 414738

CONSTRUCTION NOTES

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PIPELINE CROSS SECTIONS

AS NOTED

SECTION: STA 2+00±

SECTION: STA 8+00±

SECTION: STA 12+50±

SECTION: STA 206+00±

SECTION: STA 212+50±
STUB OUT OF 18" 201 PIPELINE AND HOT TAP CONNECTION TO EXISTING 18" RAW WATER PIPELINE (STA. 33+32.50a)

CONNECTION TO WELL 90 BLOW-OFF PIPELINE

CONSTRUCT 18" BUTTERFLY VALVE (FLG X MJ) PER EMWD STD DWG B-255

CONSTRUCT RESTRAINED FLANGE COUPLING ADAPTER

SCALE: 1"=5'-0"

CONSTRUCT 18" MJ CAP (RESTRAINED)

CONSTRUCT 18" X 12" DI TEE (FLG)

CONSTRUCT RESTRAINED MJ SLEEVE

HOT TAP CONNECTION TO EXISTING 18" BLOW-OFF PIPELINE

WELL 202 BLOW-OFF (STA 100+92.5±)

SCALE: 1"=5'-0"

HOT TAP BY EMWD

EXIST 18" C-905 PVC

CONSTRUCT 18" X 12" TAPPING SLEEVE, AND 12" RSGV TAPPING VALVE (FLG X RESTRAINED MJ)

PER EMWD STD DWG B-255.

CONSTRUCT 12" RSGV (FLG X MJ, RESTRAINED) PER EMWD STD B-255

CONSTRUCT 12" C-900 PVC

FOR CONTINUATION SEE SHEET C-204

VILLINES AVE.

E. EVANS ST.

CONSTRUCT 12" RSGV (FLG X MJ, RESTRAINED)

PER EMWD STD DWG B-255

E. 7TH ST

CONSTRUCT 18" BLU-CAP (RESTRAINED)

CONSTRUCT 18" BUTTERFLY VALVE (FLG X MJ) PER EMWD STD DWG B-255

CONSTRUCT RESTRAINED FLANGE COUPLING ADAPTER

SCALE: 1"=5'-0"

HOT TAP CONNECTION TO EXISTING 18" BLOW-OFF PIPELINE

WELL 203 BLOW-OFF (STA 219+47.0±)

SCALE: 1"=5'-0"

HOT TAP BY EMWD

EXIST 18" C-905 PVC

CONSTRUCT 18" X 12" TAPPING SLEEVE, AND 12" RSGV TAPPING VALVE (FLG X RESTRAINED MJ)

PER EMWD STD DWG B-255.

CONSTRUCT 12" RSGV (FLG X MJ, RESTRAINED) PER EMWD STD B-255

CONSTRUCT 12" C-900 PVC

FOR CONTINUATION SEE SHEET C-203

E. 7TH ST

CONSTRUCT 18" BUTTERFLY VALVE (FLG X MJ) PER EMWD STD DWG B-255

CONSTRUCT RESTRAINED FLANGE COUPLING ADAPTER

SCALE: 1"=5'-0"

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SCALE: 1"=5'-0"
NOTES:
1. ENCASMENT SHALL BE PLACED (DIRECTLY UNDISTURBED NATURAL GROUND OR SOIL COMPOSTED TO 90% RELATIVE DENSITY) TO MATCH THE THICKNESS SHOWN IN THE SPECIFICATIONS. WHEN USED FOR THRUST MANAGEMENT, THE ENCASMENT THICKNESS SHALL BE 12" MIN. FROM THE EXISTING FACILITY.
2. CONCRETE ENCASMENT SHALL BE PLACED AGAINST UNDISTURBED NATURAL GROUND OR FILL AS CALLED FOR ON THE PLANS.
3. CONCRETE ENCASMENT SHALL BE Poured ALONG UNDISTURBED SOIL OR 4" BLANKET WHEN USED FOR THRUST RESTRAINT AS CALLED FOR ON THE PLANS.

SCALE: NTS
TYPICAL SEWER LATERAL RELOCATION

SCALE: NTS
WATERLINE EXTENSION ON OLD 2ND ST

SCALE: 1" = 40'
REFERENCES
PER EMWD STD DWG B-663
PER EMWD STD DWG B-357
PER EMWD STD DWG B-286

MAP 414736
D-102
EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA
200-09565-17001/CAD/SHEETFILES/PHASE1/D-102-MISCELLANEOUSDETAILS.DWG
WOJTASZEK, RUSS
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
DI BEND (FLG x FLG) CONSTRUCT 12" 90° 12" DI PIPE

SCALE: NTS
WELL 201

SCALE: NTS
WELL 202, 203 AND 205

SCALE: NTS
TYPICAL STUB-UP DETAIL

SCALE: NTS
CONCRETE ENCASEMENT

SCALE: NTS
CONTROL DENSITY FILL DETAIL

SCALE: NTS
PIPELINE PROPOSED 08/31/18

NOTES:
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D-102
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WELL 201

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TYPICAL STUB-UP DETAIL

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