

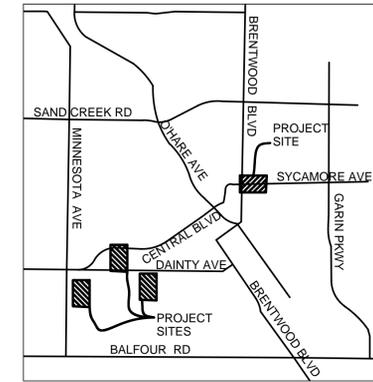
# CITY OF BRENTWOOD

## 2016 CITYWIDE WASTEWATER REHABILITATION

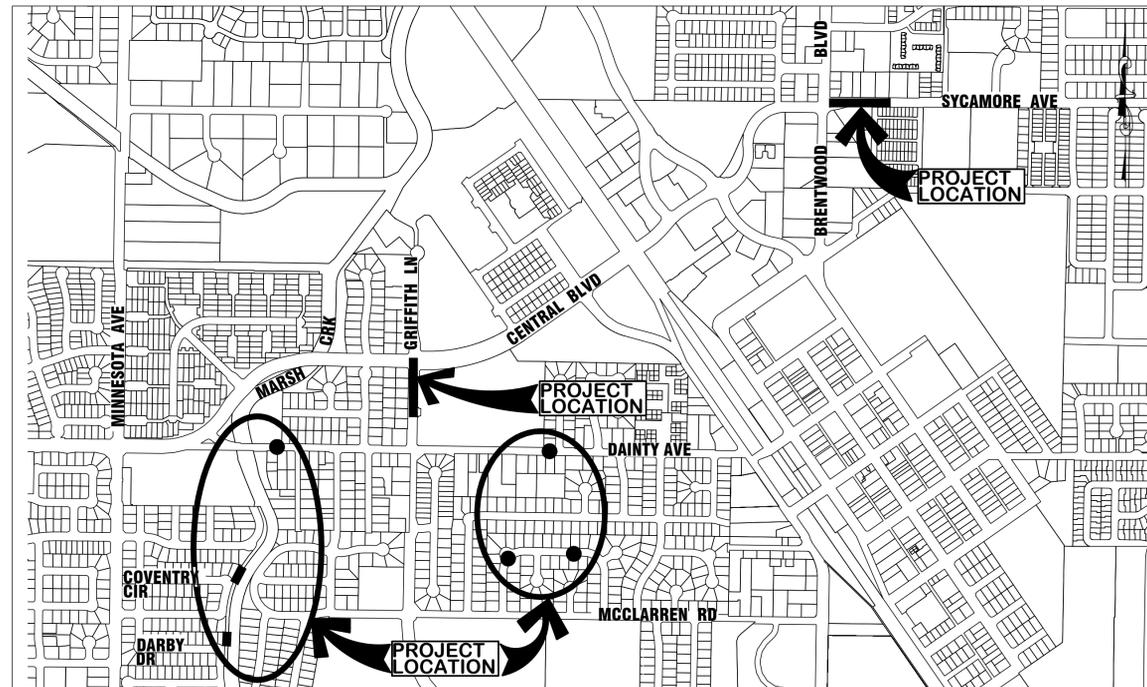
### CIP 592-59080

**GENERAL NOTES**

1. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE MOST CURRENT CITY OF BRENTWOOD STANDARD PLANS AND SPECIFICATIONS. IN CASE OF A CONFLICT BETWEEN THE CITY OF BRENTWOOD STANDARD PLANS AND SPECIFICATIONS AND THE PLANS AND SPECIFICATIONS SHOWN HERE, THE MORE STRINGENT PLANS SHALL GOVERN.
2. APPROVAL OF THESE PUBLIC IMPROVEMENTS PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
3. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY WHETHER OR NOT IT IS SHOWN HEREON, AND IS RESPONSIBLE FOR CORRECTING ANY DAMAGE TO SAID FACILITIES.
4. LOCATION AND ELEVATION OF EXISTING IMPROVEMENTS SHALL BE CONFIRMED BY POTHOLING & FIELD MEASUREMENTS PRIOR TO CONSTRUCTION. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (800) 227-2600 TO OBTAIN TO OBTAIN A U.S.A. IDENTIFICATION NUMBER AND HAVE EXISTING UTILITIES LOCATED.
5. CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY DUE TO ACTUAL LOCATION OF EXISTING UTILITIES.
6. THE CITY SHALL SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE CITY, CONTRACTOR, SUBCONTRACTOR AND OTHER AFFECTED AGENCIES AT LEAST FIVE (5) WORKING DAYS PRIOR TO STARTING ANY CONSTRUCTION WORK.
7. TRAFFIC CONTROL SHALL BE PROVIDED IN CONFORMANCE WITH THE LATEST EDITION OF THE "CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" ISSUED BY THE STATE OF CALIFORNIA, DEPARTMENT TRANSPORTATION AND AS REQUIRED BY THE CITY ENGINEER AND APPROVED BY THE CITY ENGINEER.
8. IF ANY CULTURAL FEATURES OR ARCHEOLOGICAL MATERIALS ARE UNCOVERED DURING GRADING, TRENCHING, OR OTHER EXCAVATION WORK, ALL WORK WITHIN ONE HUNDRED FEET (100') OF THESE MATERIALS SHALL BE STOPPED UNTIL A PROFESSIONAL ARCHAEOLOGIST CERTIFIED BY THE SOCIETY OF CALIFORNIA ARCHAEOLOGY (SOPA) AND/OR THE SOCIETY OF CALIFORNIA ARCHAEOLOGY (SCA) HAS HAD AN OPPORTUNITY TO EVALUATE THE SIGNIFICANCE OF THE FIND AND APPROPRIATE MITIGATION MEASURES ARE DETERMINED AND IMPLEMENTED.
9. REGULAR HOURS OF WORK WILL BE LIMITED TO 8:30 A.M. TO 3:30 P.M., MONDAY THROUGH FRIDAY. THE CONTRACTOR MUST SUBMIT A WRITTEN REQUEST FOR APPROVAL BY THE CITY ENGINEER AT LEAST TWO (2) WORKING DAYS IN ADVANCE TO WORK DURING ANY OTHER HOURS, WEEKENDS, OR HOLIDAYS.
10. CONTRACTOR'S OPERATIONS SHALL CONFORM TO THE RULES AND REGULATIONS OF THE STATE OF CALIFORNIA CONSTRUCTION SAFETY ORDERS PERTAINING TO TRENCHES AND EXCAVATIONS.
11. JOINTS BETWEEN NEW PAVEMENT AND EXISTING PAVEMENT SHALL BE MADE BY SAW-CUTTING EXISTING PAVEMENT TO EFFECT A NEAT BUTT JOINT AS DEPICTED ON THE CITY STANDARD PLANS. FEATHERING NEW ASPHALT PAVING OVER EXISTING PAVEMENT IS NOT ALLOWED.
12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE VARIOUS UTILITY AGENCIES, ADVISE THE AGENCIES OF THE PROPOSED IMPROVEMENTS, AND COORDINATE RELOCATION, IF NEEDED.
13. SUBGRADE FOR ALL STREET, CURB AND GUTTER, AND CONCRETE FLATWORK SHALL BE COMPACTED TO NINETY-FIVE PERCENT (95%) RELATIVE COMPACTION.
14. ALL UNDERGROUND UTILITIES SHALL BE CONSTRUCTED PRIOR TO THE PLACEMENT OF BASEROCK UNLESS APPROVED BY THE CITY ENGINEER.
15. ALL SANITARY SEWER CONSTRUCTION SHALL PROCEED FROM THE DOWNSTREAM CONNECTION TO THE UPSTREAM TERMINUS.
16. THE CONTRACTOR SHALL POT HOLE, EXPOSE, AND CHECK INVERTS ON EXISTING SEWER MAINS AND LATERALS AND CLEARANCE OF KNOWN CROSSINGS OF OTHER UTILITIES BEFORE CONSTRUCTION OF NEW PIPELINE. ANY DISCREPANCY BETWEEN THE PLANS AND FIELD INFORMATION SHALL BE REPORTED IMMEDIATELY TO THE CITY ENGINEER.
17. ALL SANITARY MANHOLES MUST BE VACUUM TESTED.



**VICINITY MAP**  
NOT TO SCALE



**LOCATION MAP**  
NOT TO SCALE

**UTILITY CONTACTS INFORMATION**

THE FOLLOWING UTILITIES MAY HAVE FACILITIES WITHIN THE PROJECT AREA:

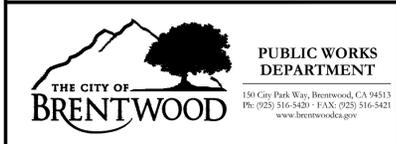
1. REX MENESES  
PG&E CO. (ELECTRIC & GAS)  
2111 HILLCREST AVE  
ANTIOCH, CA 94509  
(925) 779-7783
4. RYAN LAWRIE  
COMCAST/SEFNCO  
2500 BATES AVENUE  
CONCORD, CA 94520  
(925) 349-3481  
ALT. CONTACT: CHAD CLARK - (925) 280-4386
5. RODERICK FORD  
CABLECOM, INC./SEFNCO  
825 CHADBOURNE ROAD  
FAIRFIELD, CA 94534  
(925) 337-2704
6. BRIAN BOTTERI  
SONIC  
2260 APOLLO WAY  
SANTA ROSA, CA 95407  
(707) 522-1000 EXT. 2369
7. GREG GREENWOOD  
AT&T  
2600 CAMINO RAMON  
SAN RAMON, CA 94583  
(925) 548-4658
8. PUBLIC WORKS OPERATIONS - CITY OF BRENTWOOD  
(SEWER, WATER, STORM DRAIN, FIBER OPTIC, IRRIGATION, STREET LIGHT, & TRAFFIC SIGNAL)  
2201 ELKINS WAY  
BRENTWOOD, CA 94513  
(925) 516-6000

**SHEET INDEX**

1. COVER SHEET AND GENERAL NOTES
2. SYCAMORE AVENUE SEWER MAIN PLAN AND PROFILE
3. GRIFFITH LANE SEWER MAIN PLAN AND PROFILE
4. CONSTRUCTION AND SEWER REPAIR DETAILS

REVIEWED FOR CONFORMANCE WITH THE CITY OF BRENTWOOD STANDARDS AND REQUIREMENTS. APPROVAL FOR CONSTRUCTION IS SUBJECT TO THE INFORMATION SHOWN HEREIN. CITY OF BRENTWOOD AND THE UNDERSIGNED ARE NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY EXIST ON THESE PLANS.


*October 20, 2016*  
 MIKE TSUBOTA  
 DIRECTOR OF PUBLIC WORKS/CITY ENGINEER  
 R.C.E. No. 61648  
 DATE: EXPIRES 6-30-17



NO.	REVISIONS	BY	APP	DATE

**IMPROVEMENT PLANS**      **2016 CITYWIDE WASTEWATER REHABILITATION**

**COVER SHEET AND GENERAL NOTES**

BRENTWOOD, CA      **CIP 592-59080**

DESIGNED UNDER THE DIRECTION OF:

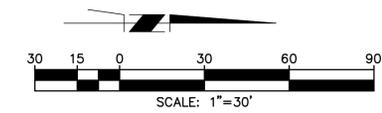

*October 20, 2016*  
 JAMES CAMPERO  
 R.C.E. No. 076459 REGISTRATION EXPIRES 12-30-16  
 DATE:

DESIGN: JC      DATE: 09-12-16  
 DRAWN: JC      DATE: 09-12-16  
 CHECKED: JS      DATE: 09-19-16

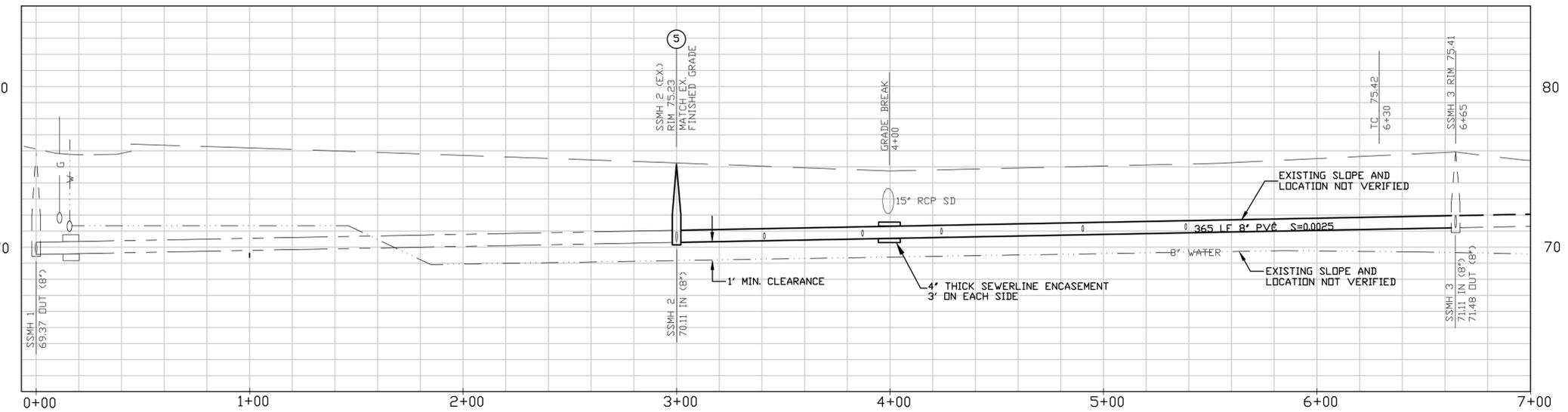
REGISTERED PROFESSIONAL ENGINEER  
 JAMES F. CAMPERO  
 No. C76459  
 Exp. 12/31/16  
 CIVIL  
 STATE OF CALIFORNIA

SHEET  
**1**  
1 OF 4 SHEETS





**GRIFFITH LANE - PLAN**  
SCALE: 1" = 30'



**GRIFFITH LANE - PROFILE**  
SCALE: HORIZ. 1"=30' VERT. 1"=4'

**CONSTRUCTION NOTES**

- ① REMOVE AND REPLACE EXISTING 8" D.I.P. SEWER MAIN WITH 8" PVC SEWER MAIN.
- ② LOCATION OF EXISTING LATERALS ARE APPROXIMATE.
- ③ EXISTING 4" SEWER LATERALS TO REMAIN
- ④ EXISTING SSMH TO REMAIN.
- ⑤ REPLACE EXISTING SSMH WITH NEW SSMH PER CITY STD. SS-2.
- ⑥ REMOVE AND REPLACE EXISTING 4" THICK CLASS 'C' CONCRETE SEWERLINE ENCASEMENT WITH 4" THICK CONCRETE (2500 PSI) ENCASEMENT AROUND 6' SEWERLINE SEGMENT

**GENERAL NOTES**

1. INFORMATION SHOWN HEREON IS APPROXIMATE AND WAS DERIVED FROM THE GRIFFITH LANE IMPROVEMENT PLAN RECORD DRAWINGS DATED JANUARY 25, 1989, AND FIELD SURFACE INVESTIGATIONS. THE CONTRACTOR IS RESPONSIBLE TO CONFIRM ACTUAL LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND EXISTING IMPROVEMENTS.
2. CONTRACTOR SHALL MAINTAIN SEWER LATERAL SERVICE AT ALL TIMES.
3. THE CONTRACTOR SHALL POTHOLE AND CONFIRM THE LOCATION AND DEPTH OF EXISTING IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO EXISTING SEWER MAIN, SEWER LATERALS, TRAFFIC SIGNAL CONDUITS, AND WET/DRY UTILITIES, PRIOR TO STARTING CONSTRUCTION WORK.

**LEGEND**

- FIRE HYDRANT
- POWER POLE
- WATER VALVE
- DRAIN INLET
- WATER METER
- SEWER MANHOLE
- STORM DRAIN MANHOLE
- EXISTING SEWER
- EXISTING STORM DRAIN
- EXISTING WATER
- NEW SEWER

**ABBREVIATIONS**

- PB PULL BOX
- SCO SEWER CLEANOUT
- TC TOP OF CURB
- FL FLOW LINE
- LIP LIP OF GUTTER
- EP EDGE OF PAVEMENT
- INV INVERT
- DWY DRIVEWAY
- HCR HANDICAP RAMP



NO.	REVISIONS	BY	APP	DATE

**IMPROVEMENT PLANS**      **2016 CITYWIDE WASTEWATER REHABILITATION**

**GRIFFITH LANE SEWER LINE PLAN AND PROFILE**

**BRENTWOOD, CA**      **CIP 592-59080**

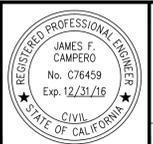
DESIGNED UNDER THE DIRECTION OF:

**JAMES F. CAMPERO**  
R.C.E. No. C76459 REGISTRATION EXPIRES 12-30-16      **October 20, 2016**  
DATE

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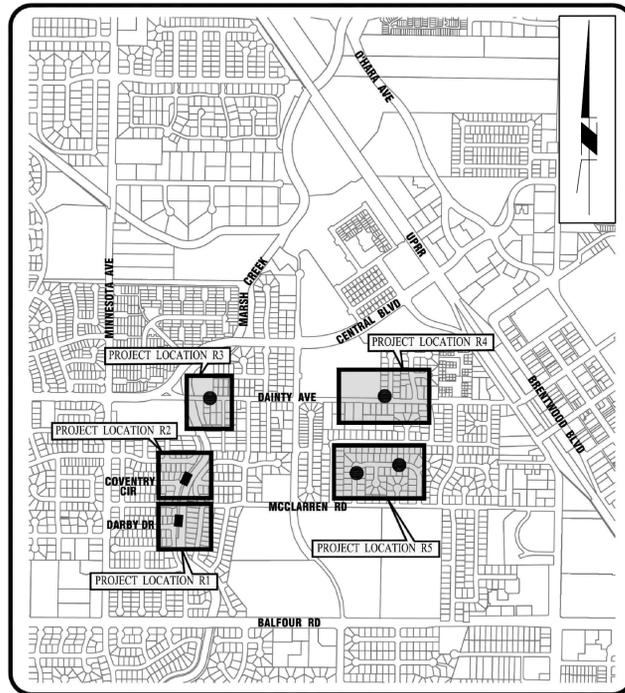
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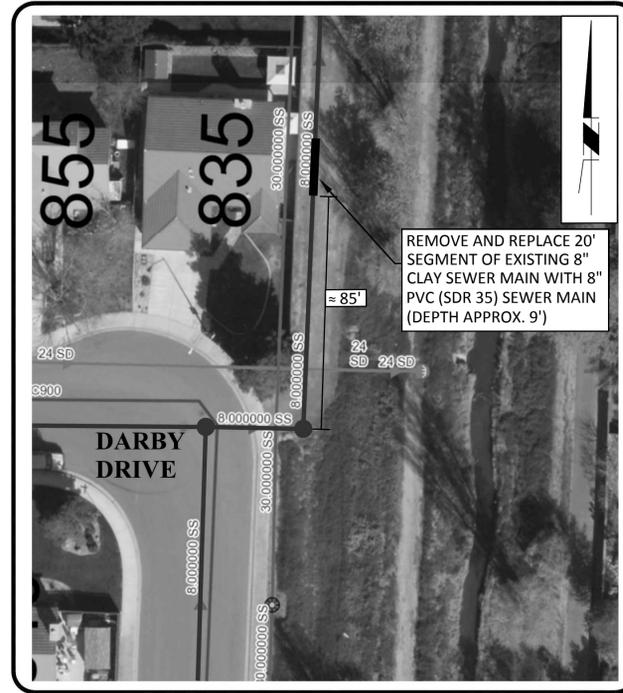
SHEET

**3**

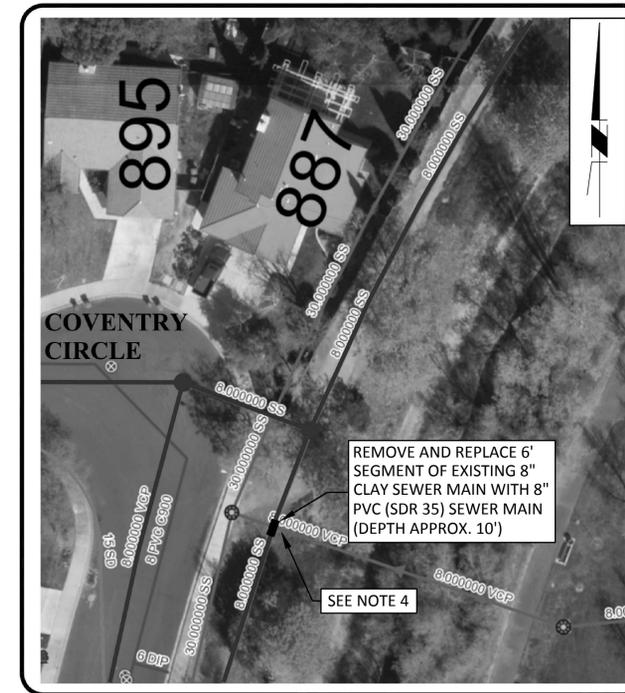
3 OF 4 SHEETS



VICINITY MAP  
MANHOLE AND SEWERLINE REPAIRS  
SCALE: 1" = 1000'



PROJECT LOCATION R1  
DARBY DRIVE SEWERLINE REPAIR  
SCALE: 1" = 30'



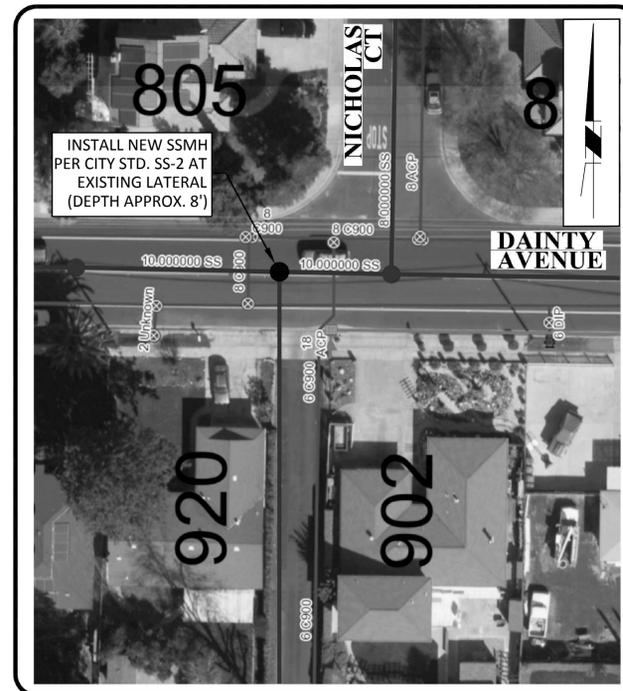
PROJECT LOCATION R2  
COVENTRY CIRCLE SEWERLINE REPAIR  
SCALE: 1" = 1000'

**GENERAL NOTES**

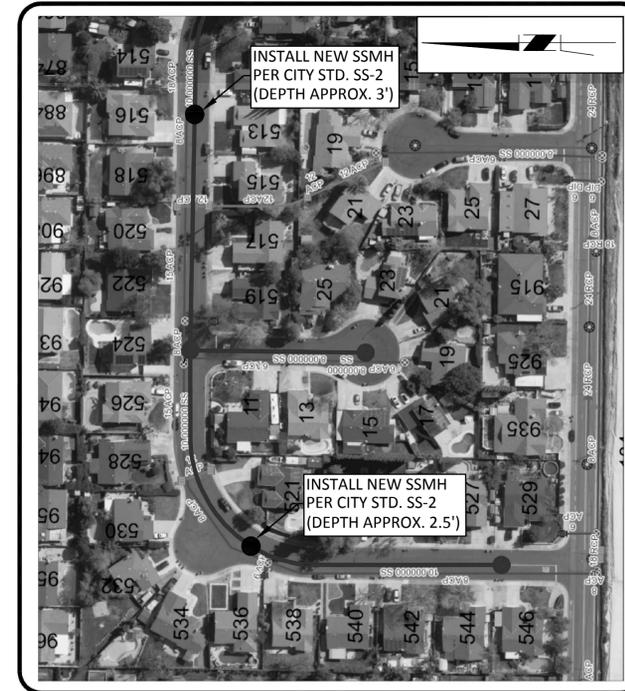
1. INFORMATION SHOWN HEREON IS APPROXIMATE AND WAS DERIVED FROM FIELD SURFACE INVESTIGATIONS AND SEWER MAIN VIDEO ANALYSIS. THE CONTRACTOR IS RESPONSIBLE TO CONFIRM ACTUAL LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND EXISTING IMPROVEMENTS.
2. CONTRACTOR SHALL MAINTAIN SEWER LATERAL SERVICE AT ALL TIMES.
3. THE CONTRACTOR SHALL POTHOLE AND CONFIRM THE LOCATION AND DEPTH OF EXISTING IMPROVEMENTS, INCLUDING EXISTING SEWER MAIN AND WET & DRY UTILITIES, PRIOR TO STARTING CONSTRUCTION WORK.
4. CAUTION SHALL BE USED TO PROTECT THE EXISTING 8" SEWER MAIN LINE LOCATED ABOVE THE PROPOSED SEWER MAIN TO BE REMOVED AND REPLACED.



PROJECT LOCATION R3  
DAINTY AVENUE MANHOLE  
SCALE: 1" = 30'



PROJECT LOCATION R4  
DAINTY AVENUE MANHOLE  
SCALE: 1" = 30'



PROJECT LOCATION R5  
NOTTINGHAM DRIVE MANHOLES  
SCALE: 1" = 100'



PUBLIC WORKS  
DEPARTMENT  
150 City Park Way, Brentwood, CA 94515  
Ph: (925) 316-5420 FAX: (925) 316-5421  
www.brentwoodca.gov

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**CONSTRUCTION AND SEWER REPAIR DETAILS**  
  
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