

CITY OF RIVERSIDE SEWER IMPROVEMENT PLANS FOR TRACT NO. 34881

GENERAL NOTES:

1. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR, A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT OF WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
3. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
4. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY (THIS NOTE REQUIRED ON ALL PLANS.)
5. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
6. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR REESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
7. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
8. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-227-2600, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
9. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
10. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
11. NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
12. A PLUG SHALL BE INSTALLED AND WILL REMAIN IN PLACE WHERE THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY.
13. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
14. THE CONTRACTOR SHALL COORDINATE TRENCHING FOR CABLE TELEVISION WITH OTHER TRENCHING WITHIN THE SUBDIVISION.

OWNER AND DEVELOPER:

JERRY PERKINS
14030 JUDY ANN DRIVE
RIVERSIDE, CA 92503
(951) 784-8524 333-19129

ENGINEERS:

SAKE ENGINEERS, INC.
400 S. RAMONA AVE. STE 2022
CORONA, CA 92879
(951) 279-4041 PH.

ASSESSOR'S PARCEL NUMBER:

242-170-005-9

LEGAL DESCRIPTION:

THE WESTERLY 5 ACRES OF THE NE 1/4 OF THE NE 1/4 OF THE SOUTHEAST 1/4 OF SECTION 14, T. 3 S., R. 5 W., S.B.M.

BENCHMARK:

CITY OF RIVERSIDE GPS POINT69-A; A 2 1/2" BRASS DISK SET IN THE NORTH END OF A CATCH BASIN AT THE SE CURB RETURN OF WASHINGTON AND BRADLEY STREETS.

ELEV = 1083.685'

BASIS OF BEARING

THE CENTERLINE OF HARBART DRIVE BEING N 00°46'32" E PER P.M.B. 99 / 48-49

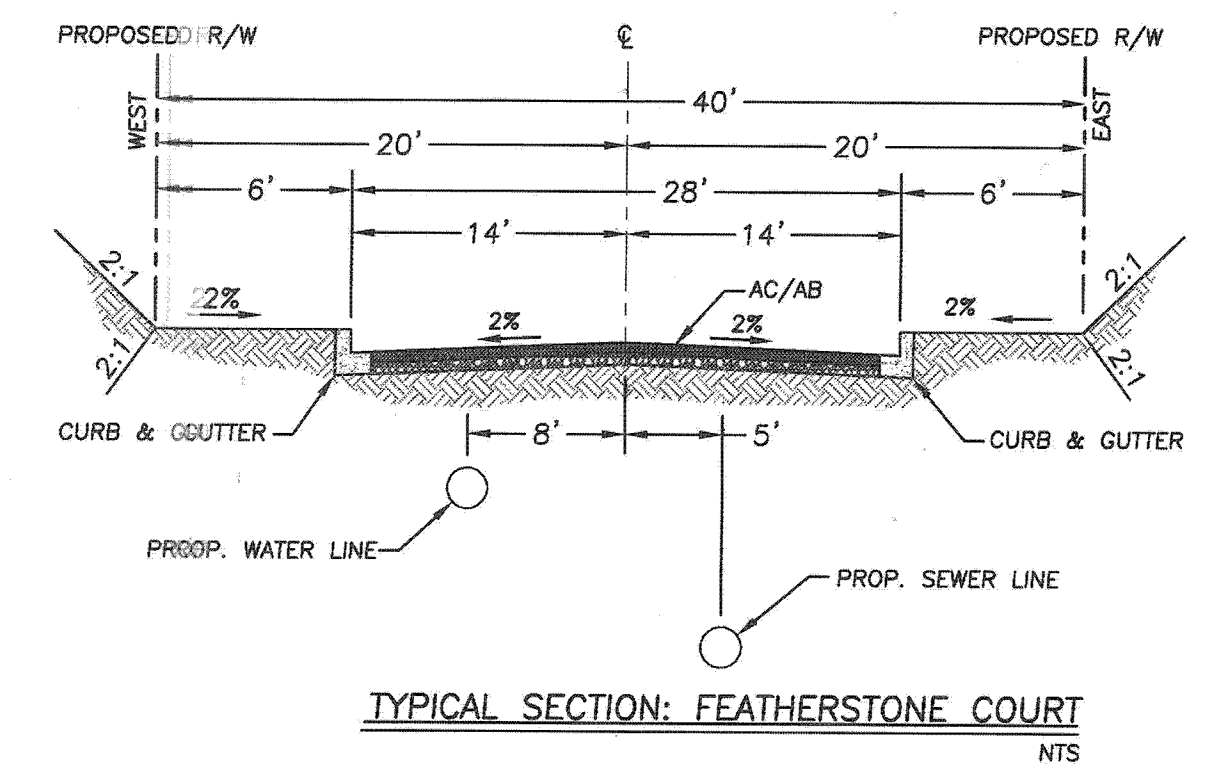
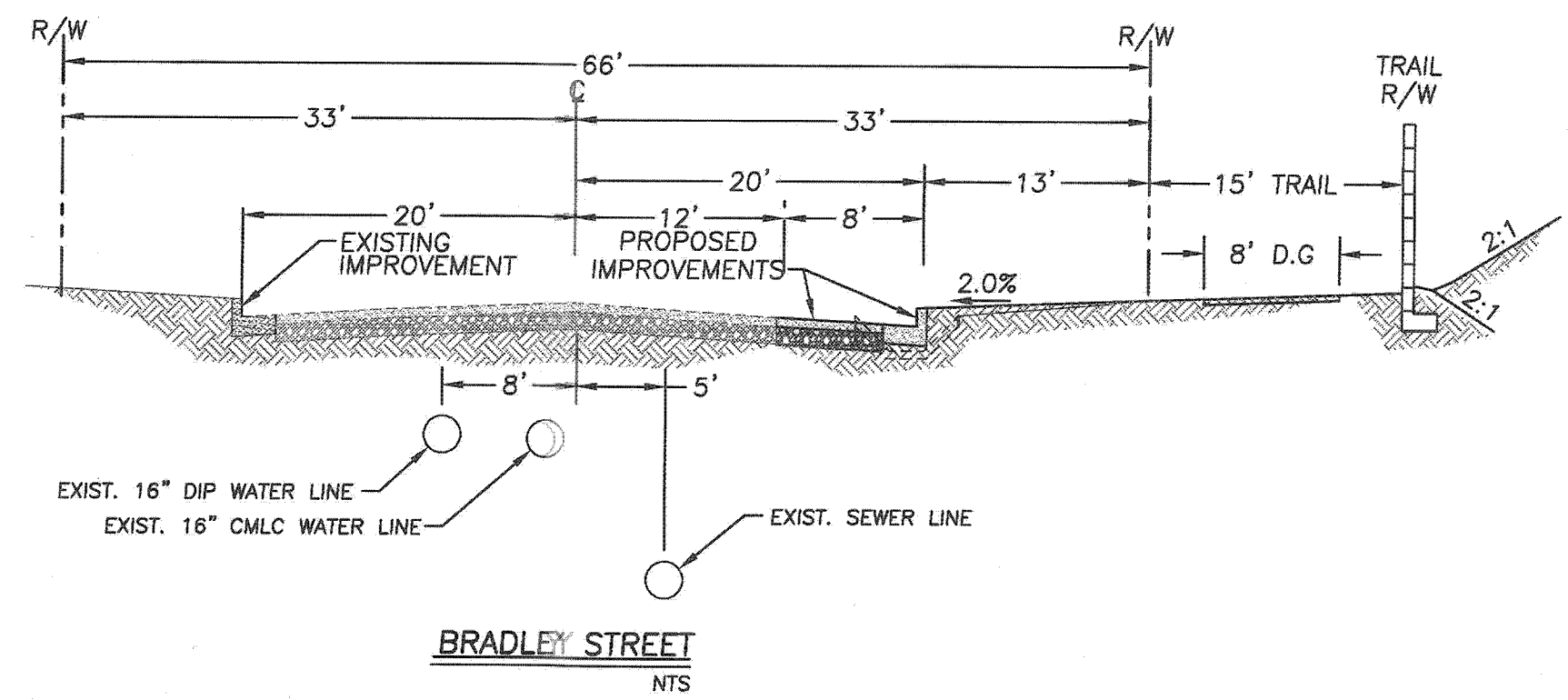
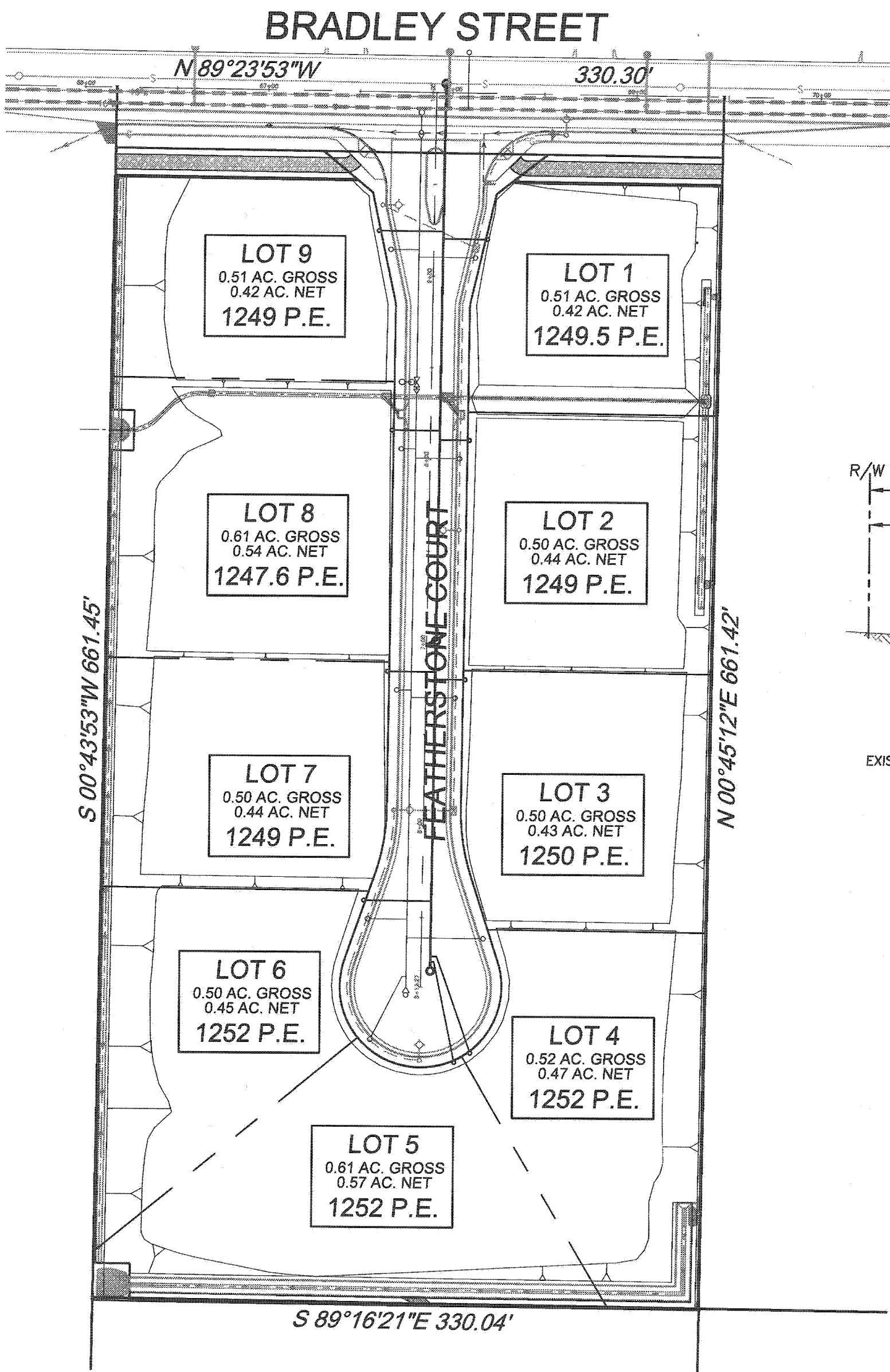
UTILITIES:

- ELECTRIC _____ CITY OF RIVERSIDE
- GAS _____ SO. CAL. GAS CO.
- WATER _____ CITY OF RIVERSIDE
- SEWER _____ CITY OF RIVERSIDE
- TELEPHONE _____ PACIFIC TELEPHONE

CONSTRUCTION NOTES:

- 1 CONST. SEWER MANHOLE PER CITY OF RIVERSIDE STD. 500 3 EA.
- 2 CONST. 8" VCP SEWER LINE (BEDDING PER CITY OF RIVERSIDE STD 452) 485 L.F.
- 3 CONST. 4" VCP SEWER LATERAL PER CITY RIVERSIDE STD. 5652 WITH WYES AND TEES LAID FLAT 9 EA.

QUANTITIES:



ENGINEER'S NOTICE TO CONTRACTORS:

1. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
2. CARE SHOULD BE TAKEN TO PREVENT GRADED DITCHES AND SWALES FROM UNDERMINING STREET IMPROVEMENTS. UPON INSPECTION OF THE SITES, THE CITY ENGINEER MAY REQUIRE TEMPORARY GUNITE SWALES, ENTERING OR
3. ALL AREAS SHALL SLOPE A MINIMUM OF 1.0% TO STREETS, DRIVE OR SWALE UNLESS OTHERWISE NOTED.
4. QUANTITIES SHOWN HERE ARE FOR PLAN CHECKING PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE TO PERFORM HIS OWN QUANTITIES TAKEOFF.
5. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS; DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY OF RIVERSIDE AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OF RIVERSIDE OR THE ENGINEER.

NOTICE TO CONTRACTORS:

CONTRACTOR SHALL POTHOLE AT THE TIE-IN STATIONS AND AT ANY OTHER POINTS OF POTENTIAL CONFLICTS WITH UNDERGROUND FACILITIES BEFORE STARTING CONSTRUCTION. EXISTING SUBSURFACE UTILITY DATA ON DRAWINGS WERE COMPILED FROM INFORMATION FURNISHED BY VARIOUS SOURCES. NEITHER THE ACCURACY NOR THE COMPLETENESS OF THE INFORMATION SHOWN IS GUARANTEED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING WATER MAINS, GAS MAINS, SANITARY SEWERS, STORM DRAINS, ELECTRIC CONDUITS, TELEPHONE LINES AND ANY OTHER UTILITIES WHICH MAY CONFLICT WITH THE DESIGN AND CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE RING AND COVER SHALL BE ADJUSTED IN THE FIELD TO MATCH THE FINISHED SURFACE OF THE PAVEMENT TO FORM A SMOOTH DRIVING SURFACE. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS FOR THE REPAIR OF ANY AND ALL DAMAGE TO THE CONTRACT WORK OR TO ANY UTILITY (WHETHER PREVIOUSLY KNOWN OR DISCLOSED DURING THE WORK) AS MAY BE CAUSED BY HIS OPERATIONS. UTILITIES NOT SHOWN ON THE DRAWING TO BE RELOCATED OR ALTERED BY OTHERS SHALL BE MAINTAINED BY THE CONTRACTOR. AT THE COMPLETION OF THE CONTRACT WORK, THE CONTRACTOR SHALL LEAVE ALL UTILITIES AND APPURTENANCES IN A CONDITION SATISFACTORY TO THE OWNERS AND THE CITY.

EMERGENCY PHONE NUMBERS:

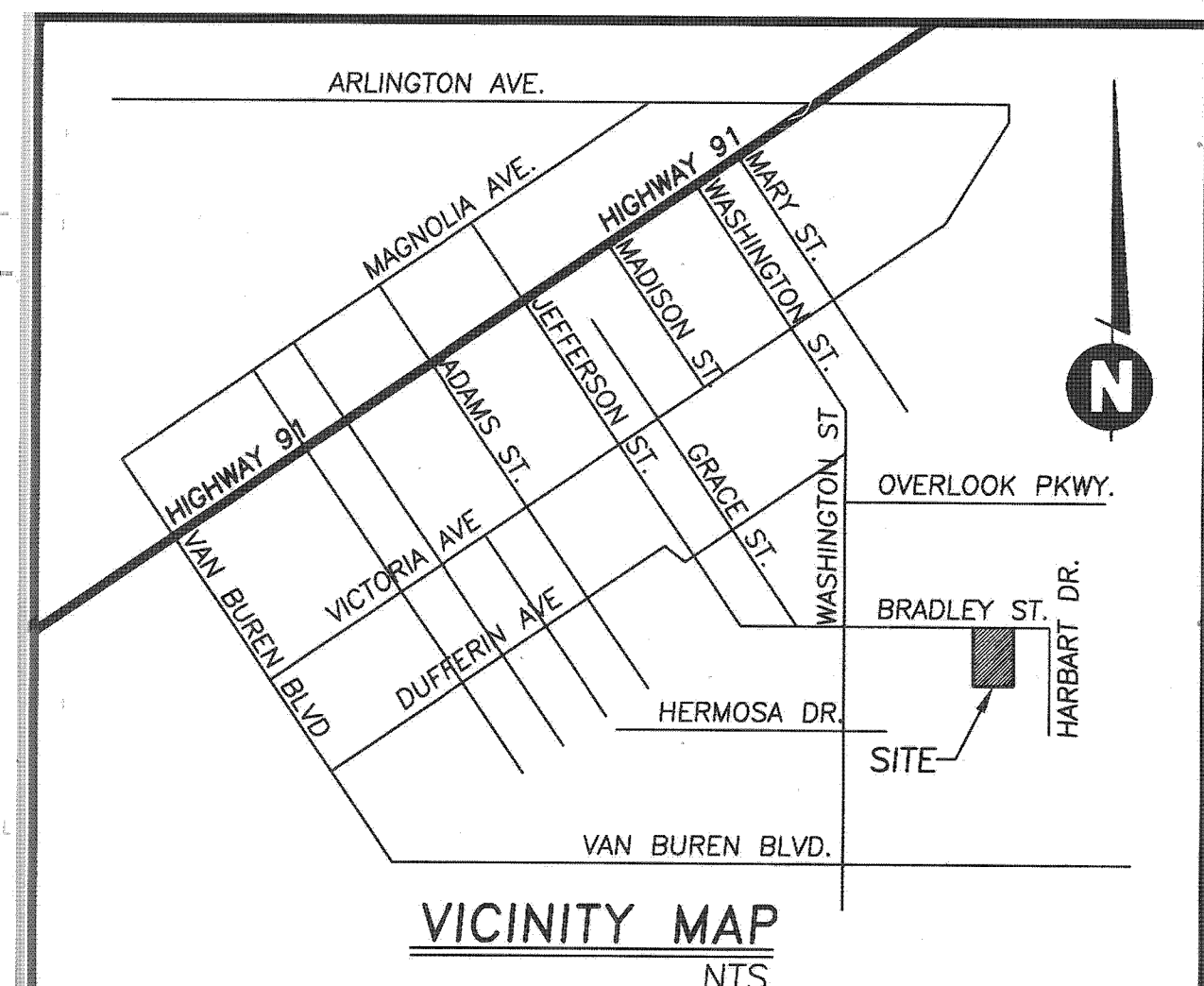
- CITY OF RIVERSIDE FIRE DEPARTMENT (951) 826-5321
- CITY OF RIVERSIDE POLICE ALERT (951) 826-5700
- CITY OF RIVERSIDE TRAFFIC DIVISION (951) 826-5366
- CITY OF RIVERSIDE TRAFFIC SIGNALS (951) 351-6096
- STREET SUPERINTENDENT (951) 351-6127
- RIVERSIDE SCHOOLS (951) 788-7132
- GOODHEW AMBULANCE (951) 684-5520
- PACIFIC BELL TELEPHONE (800) 303-3000
- CITY OF RIVERSIDE ELECTRIC DEPT. (951) 687-0791
- SOUTHERN CALIFORNIA GAS COMPANY (800) 427-2200
- UNDERGROUND SERVICE (800) 227-2600

LEGEND

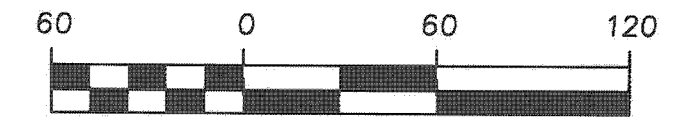
| ITEM | EXISTING | PROPOSED |
|--------------------------------|----------|----------|
| END CAP W/BO | | |
| FIRE HYDRANT | | |
| TAP SLEEVE | | |
| TRACT BOUNDARY | | |
| WATER LINE | | |
| WATER SERVICE | | |
| WATER SERVICE (BY CITY FORCES) | | |
| WATER VALVE | | |
| CABLE TV | | |
| ELECTRIC | | |
| GAS | | |
| SEWER | | |
| STORM DRAIN | | |
| TELEPHONE | | |

THOMAS BROTHERS MAP PAGE/GRID:

PAGE 714, GRID E-5, 2004 EDITION



Note: Straight layout for reference only. Not approved by Phil Ketcher.



INDEX MAP

IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a Permit to Excavate will be valid. For your Dig Alert I.D. Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
1-800-227-2600

CITY OF RIVERSIDE ELECTRIC DIVISION
APPROVED BY: *[Signature]* DATE: 5/12/16

CITY OF RIVERSIDE WATER DIVISION
APPROVED BY: *[Signature]* DATE: 5/12/16

REGISTERED PROFESSIONAL ENGINEER
SAKE ENGINEERS, INC.
CIVIL
53038
R.C.E. No. 5-9-16

CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/31/16

SAKE ENGINEERS, INC.
ENGINEERING • SURVEYING • LAND DEVELOPMENT
400 S. RAMONA AVE., STE. 202
CORONA, CALIFORNIA 92879
(951) 279-4041 FAX: (951) 279-2830

PREPARED BY: *[Signature]* DATE: May, 05, 2016
DESIGNED BY: SA DRAWN BY: RL CHECKED BY: SA

BENCHMARK:
CITY OF RIVERSIDE GPS POINT69-A; A 2 1/2" BRASS DISK SET IN THE NORTH END OF A CATCH BASIN AT THE SE CURB RETURN OF WASHINGTON AND BRADLEY STREETS.
ELEV = 1083.685'

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS

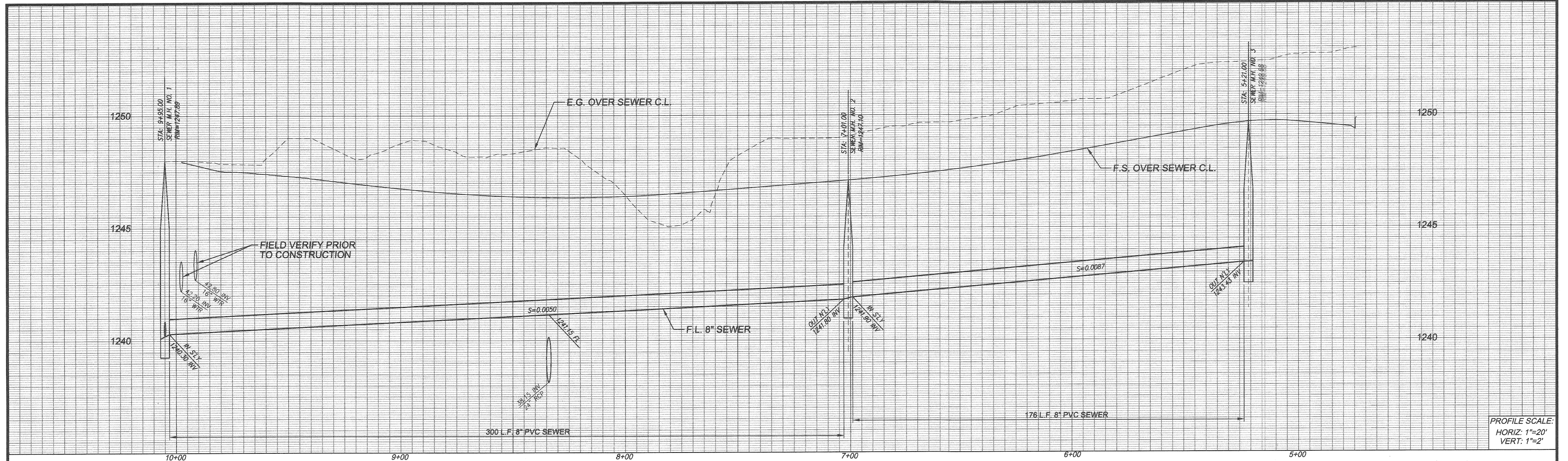
APPROVED BY: *[Signature]* DATE: 5/12/16
PRINCIPAL ENGINEER
CITY ENGINEER

SEWER IMPROVEMENT PLANS PROJECT NO. PW15-0601

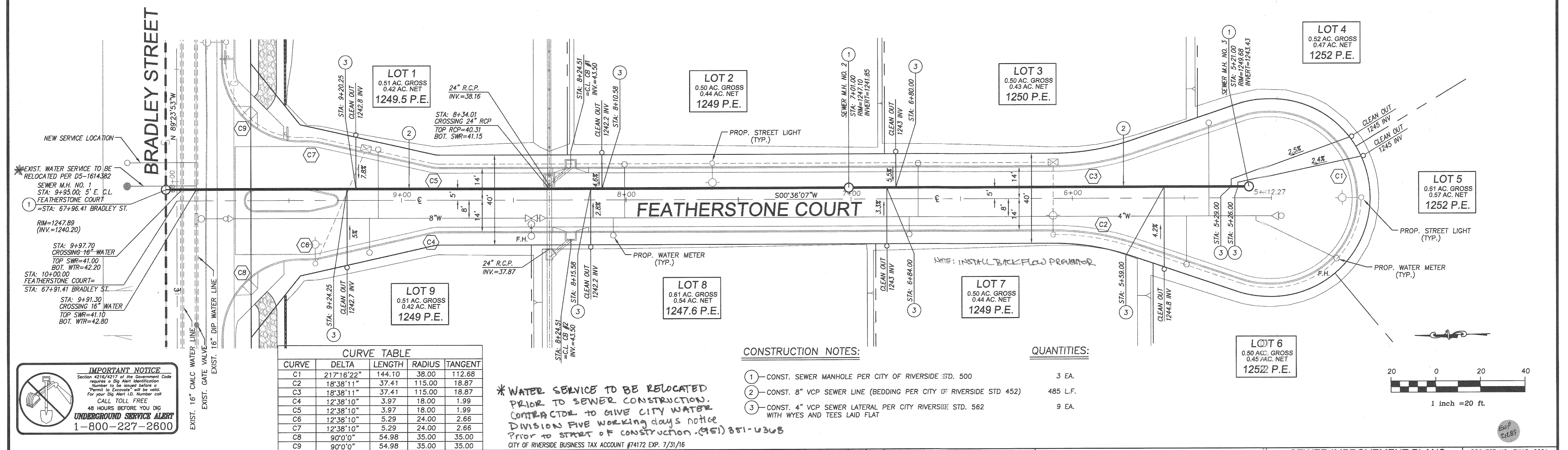
TRACT 34881
COVER SHEET

S-2139
SHEET 1 SHEET 2

HORIZ. SCALE: NONE VERT. SCALE: NONE FILE NO.



PROFILE SCALE:
HORIZ: 1"=20'
VERT: 1"=2'



CURVE TABLE

| CURVE | DELTA | LENGTH | RADIUS | TANGENT |
|-------|------------|--------|--------|---------|
| C1 | 217°16'22" | 144.10 | 38.00 | 112.68 |
| C2 | 18°38'11" | 37.41 | 115.00 | 18.87 |
| C3 | 18°38'11" | 37.41 | 115.00 | 18.87 |
| C4 | 12°38'10" | 3.97 | 18.00 | 1.99 |
| C5 | 12°38'10" | 3.97 | 18.00 | 1.99 |
| C6 | 12°38'10" | 5.29 | 24.00 | 2.66 |
| C7 | 12°38'10" | 5.29 | 24.00 | 2.66 |
| C8 | 90°0'0" | 54.98 | 35.00 | 35.00 |
| C9 | 90°0'0" | 54.98 | 35.00 | 35.00 |

CONSTRUCTION NOTES:

- ① CONST. SEWER MANHOLE PER CITY OF RIVERSIDE STD. 500 3 EA.
- ② CONST. 8" VCP SEWER LINE (BEDDING PER CITY OF RIVERSIDE STD 452) 485 L.F.
- ③ CONST. 4" VCP SEWER LATERAL PER CITY RIVERSIDE STD. 562 WITH WYES AND TEES LAID FLAT 9 EA.

QUANTITIES:

- 3 EA.
- 485 L.F.
- 9 EA.

*** WATER SERVICE TO BE RELOCATED PRIOR TO SEWER CONSTRUCTION. CONTRACTOR TO GIVE CITY WATER DIVISION FIVE WORKING DAYS NOTICE PRIOR TO START OF CONSTRUCTION. (951) 351-0368**
CITY OF RIVERSIDE BUSINESS TAX ACCOUNT #74172 EXP. 7/31/16

IMPORTANT NOTICE
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| | | | | | | | |
|---|--|--|--|---|---|---|---|
| <p>CITY OF RIVERSIDE ELECTRIC DIVISION</p> <p>APPROVED BY: <i>[Signature]</i> DATE: 5/12/16</p> | <p>CITY OF RIVERSIDE WATER DIVISION</p> <p>APPROVED BY: <i>[Signature]</i> DATE: 5/12/16</p> | <p>REGISTERED PROFESSIONAL ENGINEER SAH AKBAROV CIVIL STATE OF CALIFORNIA C053038 Exp. 6/30/17</p> | <p>SAKE ENGINEERS, INC. ENGINEERING • SURVEYING • LAND DEVELOPMENT 400 S. RAMONA AVE., STE. 202 CORONA, CALIFORNIA 92709 (951) 279-4041 FAX: (951) 279-2830</p> | <p>BENCHMARK: CITY OF RIVERSIDE GIS POINTS-A: A 2 1/2" BRASS DISK SET IN THE NORTH END OF A CATCH BASIN AT THE SE CURB RETURN OF WASHINGTON AND BRADLEY STREETS. ELEV = 1083.685'</p> | <p>CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS</p> <p>APPROVED BY: <i>[Signature]</i> BY: <i>[Signature]</i> DATE: 6/23/16</p> <p>PRINCIPAL ENGINEER ENGINEER-IN-CHARGE TRAFFIC DIVISION</p> | <p>SEWER IMPROVEMENT PLANS</p> <p>TRACT 34881 PLAN AND PROFILE</p> <p>HORIZ. SCALE: NONE VERT. SCALE: NONE</p> | <p>PROJECT NO. PW15-0601</p> <p>S-2139</p> <p>SHEET 2 SHEET 2</p> <p>FILE NO.</p> |
|---|--|--|--|---|---|---|---|