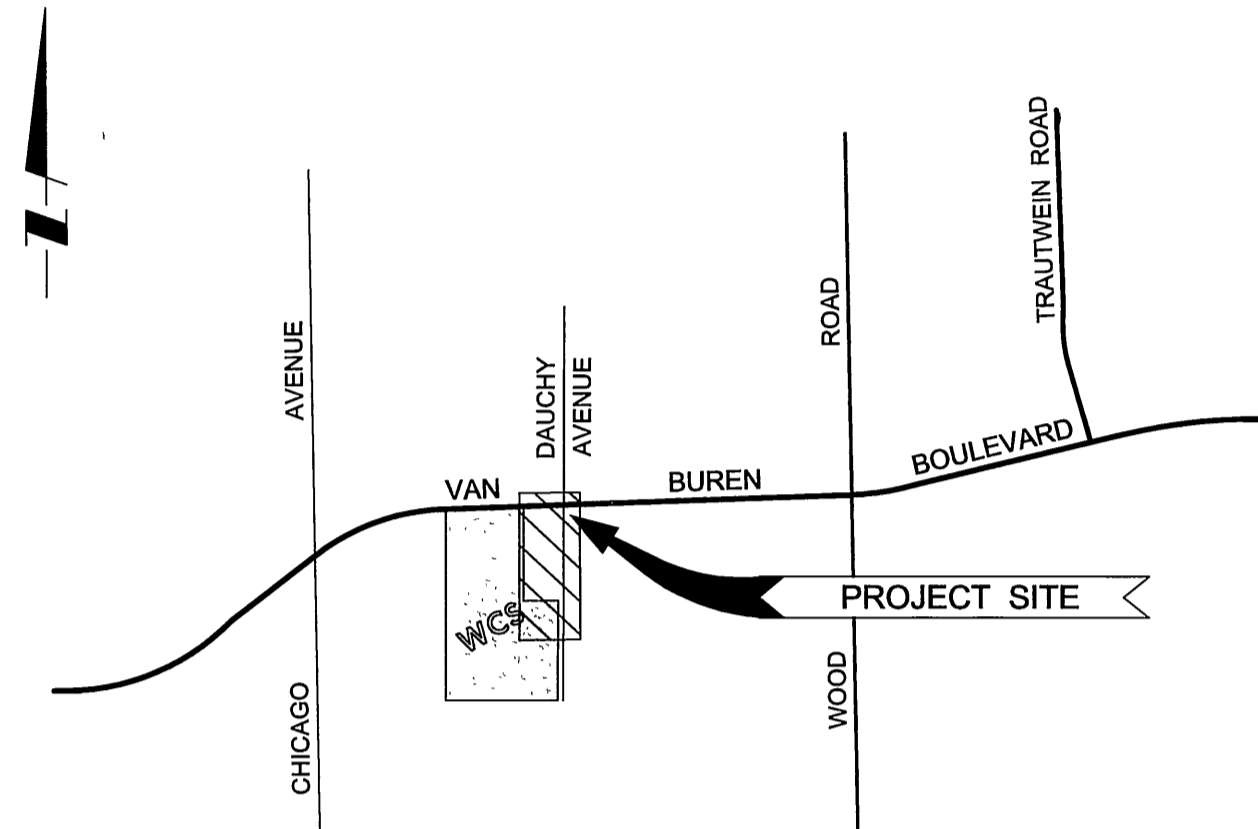


WOODCREST CHRISTIAN SCHOOL OFF-SITE SEWER IMPROVEMENT PLAN



VICINITY MAP
Not to Scale

SEWER CONSTRUCTION ITEMS	QUANTITIES
1. INSTALL 8" VCP SEWER MAIN	892 LF
2. INSTALL 4-ft SECTION OF 8" VCP SEWER STUB and END CAP	1 EA
3. CONSTRUCT SEWER MANHOLE PER THE CITY OF RIVERSIDE STANDARD DRAWING No. 500	4 EA
4. INSTALL 8" PROTECTO 401 CERAMIC EPOXY LINED DUCTILE IRON PIPE OR APPROVED EQUAL. SEE GENERAL NOTE No. 18	42 LF
5. BREAK INTO EXISTING MANHOLE and REFORM SHELF AS NECESSARY	1 EA
6. TRENCH PATCH and REPAIR PER THE CITY OF RIVERSIDE STANDARD DRAWING No. 453	725 LF
7. CONSTRUCT SEWER CLEANOUT PER CITY OF RIVERSIDE STANDARD DRAWING No. 560	1 EA
8. INSTALL 4-ft SECTION OF 6" PVC, SDR 35 SEWER STUB and END CAP	1 EA

NOT: QUANTITIES SHOWN HEREON ARE PROVIDED ONLY FOR THE CONVENIENCE OF THE OWNER. THE CONTRACTOR IS REQUIRED TO PREPARE HIS OWN ESTIMATE OF QUANTITIES AND SHALL RELY ON HIS OWN ESTIMATE OF QUANTITIES IN PREPARING HIS BID.

GENERAL NOTES

- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN PUBLIC RIGHTS-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT, A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
- 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.
- 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.
- 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 PLAN FOR APPROVAL BY THE CITY.
- QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR REESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- STREET OPENING PERMIT FOR CONSTRUCTION AND/OR MODIFICATION OF TRAFFIC SIGNAL FACILITIES IS REQUIRED.
- ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.
- STREET IMPROVEMENT WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR LOOP(S) SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL HAVE BEEN NOTIFIED AND THE NECESSARY TIMING ADJUSTMENTS ARE MADE TO MAINTAIN SIGNAL OPERATION.
- FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT, 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.
- CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
- 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.
- 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.
- THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETE.
- LOCATIONS OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
- DUCTILE IRON PIPE TO HAVE INSIDE COATING OF ARNINE CURED NOVALEC EPOXY CONTAINING AT 20% BY VOLUME OF CERAMIC QUARTZ PIGMENT. PIPE IS TO BE WITH 8 MIL POLYETHYLENE FILM TUBE TO PREVENT PIPE FROM CORROSION AND ELECTROLYSIS. TUBE SHOULD BE CUT TO LENGTHS THAT PROVIDE A ONE FOOT OVERLAP BEYOND EACH END OF A PIPE.

ENGINEER'S NOTICE TO CONTRACTOR(S)

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.

CONTRACTOR'S RESPONSIBILITY FOR SAFETY

IN SUBMITTING A BID FOR THIS WORK, THE 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 THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER 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 OWNER OR THE ENGINEER.

BENCHMARK DESCRIPTION

V.B. 12-64 (Adjusted 1971)
BRASS DISK TOP GRANITE BOULDER AT SE CORNER OF THE INTERSECTION OF CHICAGO AVENUE and VAN BUREN BOULEVARD. 92.0-ft E/O CHICAGO AVENUE, 116.0-ft S/O VAN BUREN BOULEVARD. 2.0-ft E/O MARKER POST IN THE TOP OF A 1"x3"x7" GRANITE BOULDER
ELEVATION: 1582.86

Underground Service Alert

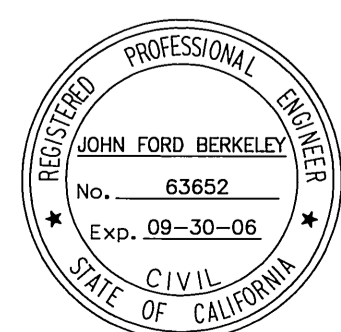
Call: TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

CHARTER COMMUNICATIONS

REVIEWED FOR CONFLICTS BY: [Signature] DATE: 06/30/03
WESTERN MUNICIPAL WATER DISTRICT
REVIEWED FOR CONFLICTS BY: [Signature] DATE: 6/27/03

SOUTHERN CALIFORNIA GAS CO.

REVIEWED FOR CONFLICTS BY: [Signature] DATE: [Signature]
PACIFIC BELL
REVIEWED FOR CONFLICTS BY: [Signature] DATE: 7/6/03



Associated Engineers Inc.
3311 E. SHELBY ST. • ONTARIO, CALIFORNIA 91764-4872
TEL: (909) 980-1982 • FAX: (909) 941-0891
John Ford Berkeley 05/30/03
JOHN FORD BERKELEY, RCE 63652 DATE

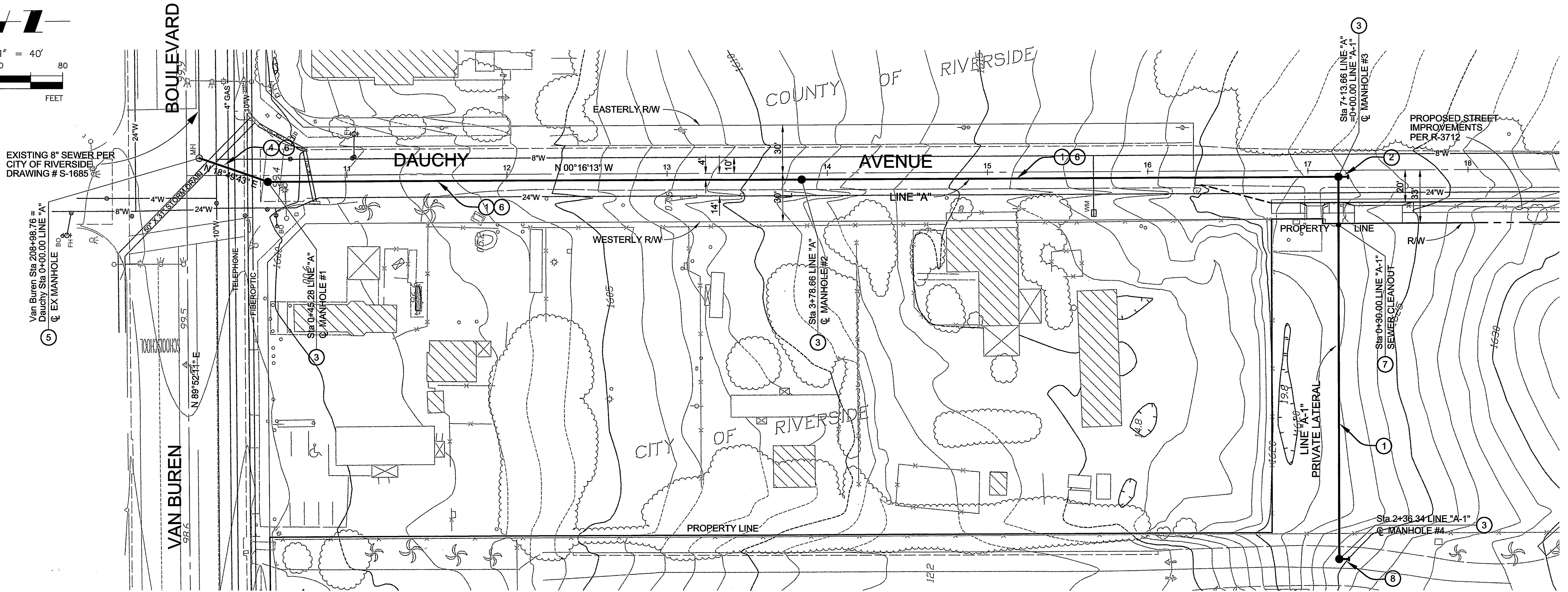
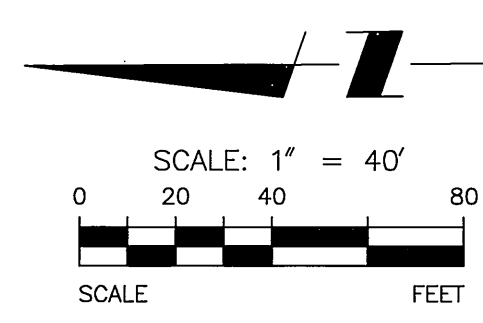
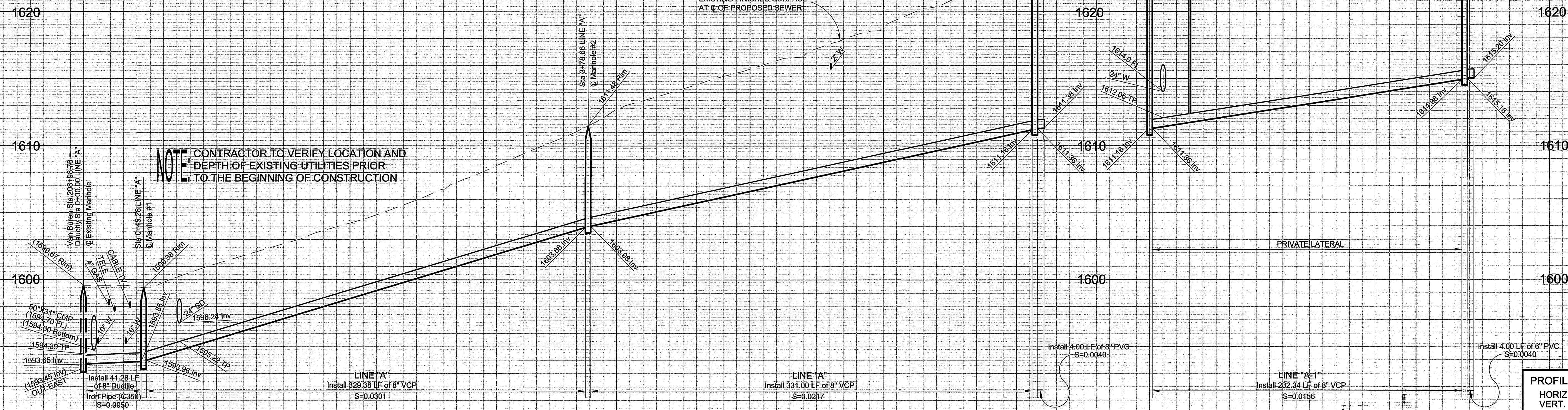
CITY OF RIVERSIDE
LICENSE #
6698
EXPIRES:
01/09/04

MARK	REVISIONS	APPR	DATE

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature] BY: [Signature] DATE: 7/15/03
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
STREET SERVICES
APPROVED BY: [Signature] DATE: 7/15/03
CITY ENGINEER

SEWER IMPROVEMENT PLANS
DAUCHY AVENUE
TITLE SHEET
SCALE: AS SHOWN

Account No.:
DRAWING NUMBER
S-1799
SHEET 1 OF 2
JOB No.: 01052A



- SEWER CONSTRUCTION ITEMS**
- 1 INSTALL 8" VCP SEWER MAIN
 - 2 INSTALL 4-ft SECTION OF 8" VCP SEWER STUB and END CAP
 - 3 CONSTRUCT SEWER MANHOLE PER THE CITY OF RIVERSIDE STANDARD DRAWING No. 500
 - 4 INSTALL 8" PROTECTO 401 CERAMIC EPOXY LINED DUCTILE IRON PIPE OR APPROVED EQUAL. SEE GENERAL NOTE No. 13.
 - 5 BREAK INTO EXISTING MANHOLE and REFORM SHELF AS NECESSARY
 - 6 TRENCH PATCH and REPAIR PER THE CITY OF RIVERSIDE STANDARD DRAWING No. 453
 - 7 CONSTRUCT SEWER CLEANOUT PER CITY OF RIVERSIDE STANDARD DRAWING No. 560
 - 8 INSTALL 4-ft SECTION OF 6" PVC, SDR 35 SEWER STUB and END CAP

Underground Service Alert
 Call: TOLL FREE
 1-800
 227-2600
 TWO WORKING DAYS BEFORE YOU DIG

CHARTER COMMUNICATIONS
 REVIEWED FOR CONFLICTS BY: [Signature] DATE: 6/30/03
WESTERN MUNICIPAL WATER DISTRICT
 REVIEWED FOR CONFLICTS BY: [Signature] DATE: 6/25/03

SOUTHERN CALIFORNIA GAS CO.
 REVIEWED FOR CONFLICTS BY: [Signature] DATE: [Blank]
PACIFIC BELL
 REVIEWED FOR CONFLICTS BY: [Signature] DATE: 7/2/03



Associated Engineers Inc.
 3311 E. SHELBY ST. - ONTARIO, CALIFORNIA 91764-4872
 TEL: (909) 980-1982 • FAX: (909) 941-0891
 Designed by: J.D. MEITER
 Drawn by: J.D. MEITER

CITY OF RIVERSIDE LICENSE # 6698
 EXPIRES: 01/09/04
 Checked by: J.F. BERKELEY

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature] DATE: 7/15/03
 BY: [Signature] DATE: 7/15/03
 PARK DEPARTMENT: [Signature] DATE: 7/15/03
 TRAFFIC DIVISION: [Signature] DATE: 7/15/03
 STREET SERVICES: [Signature] DATE: 7/15/03
 APPROVED BY: [Signature] DATE: 7/15/03
 CITY ENGINEER

SEWER IMPROVEMENT PLANS
DAUCHY AVENUE
PLAN and PROFILE
 SCALE: 1" = 40'

Account No. [Blank]
 DRAWING NUMBER
S-1799
 SHEET 2 OF 2
 JOB No.: 01052A