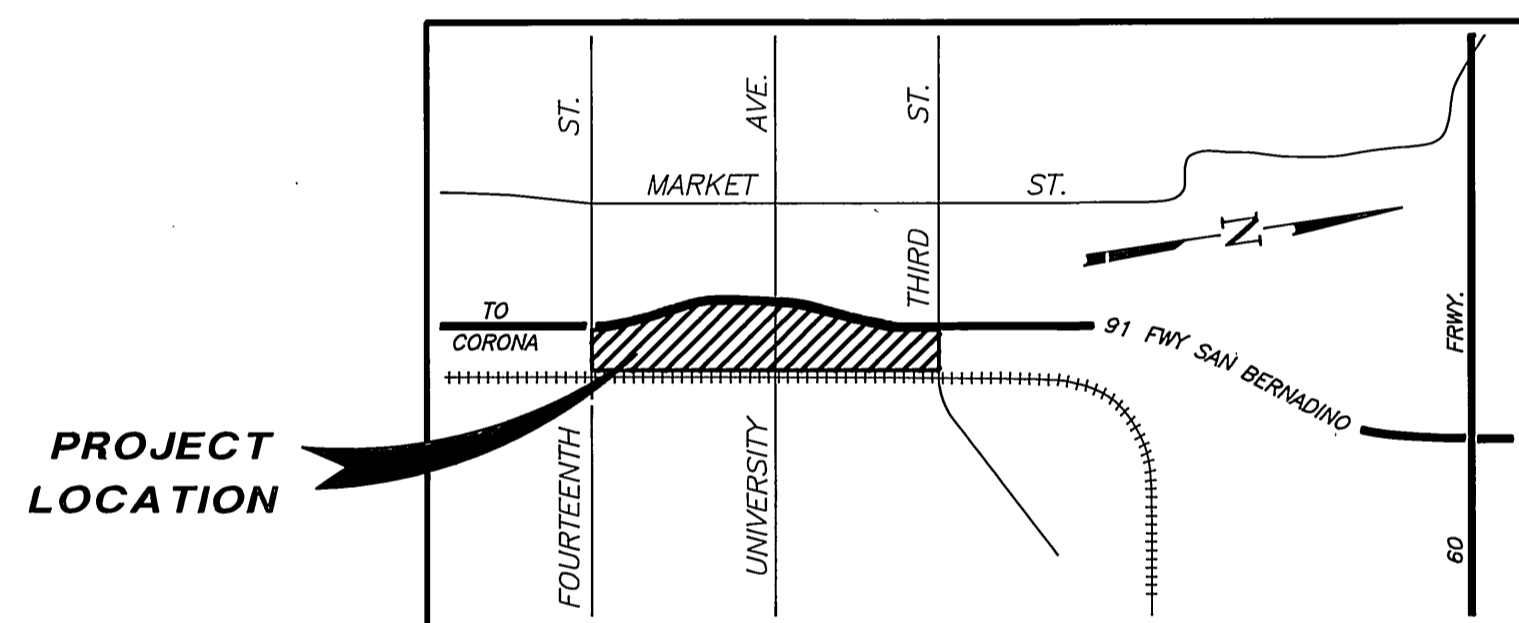


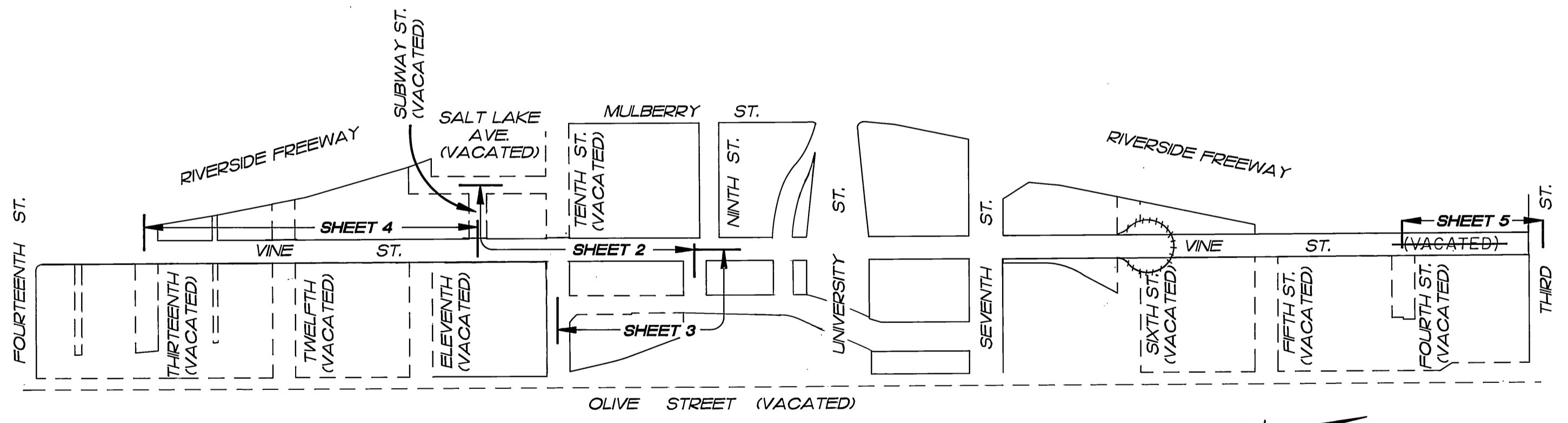
GENERAL SEWER NOTES

1. THE SEWER SYSTEM SHALL BE INSTALLED BY THE DEVELOPER. ALL SEWER WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT STANDARD PLANS AND SPECIFICATIONS, THE MOST RECENT EDITION OF THE STANDARD PLANS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL KEEP A COPY OF THIS INFORMATION ON THE JOBSITE AT ALL TIMES.
2. THE CONTRACTOR SHALL OBTAIN A CITY PERMIT FOR WORK DONE ON PUBLIC RIGHT-OF-WAY.
3. THE RIVERSIDE PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO COMMENCING WORK ON THE SEWERS. PHONE: (714) 782-5671. FOR INSPECTION.
4. A PRECONSTRUCTION MEETING SHALL BE HELD AT LEAST 48 HOURS PRIOR TO THE COMMENCING OF CONSTRUCTION WORK.
5. THE CONTRACTOR SHALL EXPOSE ALL JOINT POINTS TO THE EXISTING SEWER SYSTEM FOR VERIFICATION OF LOCATION AND ELEVATION BEFORE CONSTRUCTION.
6. SEWER STATIONS ARE INDEPENDENT OF ALL OTHER STATIONS.
7. ALL SEWER LENGTHS ARE CALCULATED ON HORIZONTAL DISTANCES ALONG THE CENTERLINE OF THE SEWER.
8. ALL SEWERLINES SHALL BE BALLED IN THE PRESENCE OF THE CITY INSPECTOR, BEFORE COMPLETION OF ALL LEAKAGE TESTS.
9. PRESSURE TESTING OF SEWERS SHALL BE IN ACCORDANCE WITH SECTION 306, PARAGRAPH 306-1.4 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
10. PIPELINE LEAKAGE TESTS SHALL BE MADE IN THE PRESENCE OF THE CITY INSPECTOR, ONLY AFTER BACKFILL HAS BEEN COMPLETED AND COMPACTION TESTS REGARDING THE BACKFILL HAVE BEEN ACCEPTED BY THE CITY INSPECTOR.
11. IN ORDER TO PREVENT ACCIDENTAL USE OF THE NEW SEWER PRIOR TO COMPLETION AND ACCEPTANCE, THE OUTLET OR INLET TO EXISTING TIE-IN MANHOLES(S) SHALL BE SEALED WITH BROKEN BRICK AND MORTAR. INSTALLATION OF THESE PLUGS SHALL BE APPROVED BY THE CITY. PLUGS SHALL BE REMOVED AT THE TIME OF FINAL ACCEPTANCE.
12. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY CROSSINGS BEFORE CONSTRUCTING ANY SEWERS IN THIS PROJECT.
13. ANY WORK TO BE PERFORMED INSIDE A LIVE MANHOLE SHALL BE DONE IN ACCORDANCE WITH CAL OSHA "CONFINED SPACES" REGULATIONS.
14. THE CONTRACTOR IS TO PROVIDE THE CITY WITH AN AS-BUILT SET OF JOB PRINTS WITH TIE-DOWN MEASUREMENTS FOR ALL LATERALS AND MANHOLES.
15. CURBS SHALL BE ENSCRIBED WITH AN "S" INDICATING LOCATIONS OF ALL SEWER LATERALS.
16. WHERE THERE IS CONSTRUCTION INVOLVING EXISTING SEWER FACILITIES, THE CONTRACTOR SHALL PROVIDE TEMPORARY SEALS, ENCLOSURES, FORCED VENTILATION OR OTHER DEVICES AS NECESSARY TO PREVENT ODOR NUISANCE DURING CONSTRUCTION. SEWERS SHALL BE OPEN TO ATMOSPHERE ONLY FOR THE MINIMUM TIME REQUIRED FOR CONSTRUCTION. NO PUMPING OF SEWAGE WILL BE ALLOWED.
17. WHERE A MANHOLE BOTTOM IS TO BE RE-CONTOURED, THAT PORTION TO BE REMODELLED SHALL BE REMOVED TO A DEPTH OF 3" (INCHES) TO PERMIT CONSTRUCTION OF NEW CHANNELS AND SHELVES. SEWAGE IN NEW AND REMODELLED MANHOLES SHALL BE CONTROLLED ACROSS THE MANHOLE IN SUCH A MANNER THAT SEWAGE DOES NOT FLOW OVER CONCRETE CHANNELS UNTIL THE CONCRETE HAS CURED FOR A MINIMUM OF 24 HOURS. FLOW CONTROL SHALL NOT ALLOW BACK-UP OF SEWAGE UPSTREAM FROM THE MANHOLE.
18. EXISTING SEWER LINE ABANDONMENT: ALL EXISTING SEWER LINES AND MANHOLES TO BE ABANDONED SHALL BE ABANDONED PER SECTION 306-5 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION EXCEPT AS MODIFIED AS FOLLOWS:
 - A.) ALL SEWER LINES TO BE ABANDONED SHALL BE CRUSHED IN PLACE OR PUMPED FULL WITH A SAND SLURRY MIX BEFORE HAVING ENDS SEALED BY CONCRETE.
 - B.) ALL MANHOLES TO BE ABANDONED SHALL HAVE THE UPPER PORTION REMOVED DOWN TO 3" (FEET) BELOW THE PROPOSED FINISHED GRADE. THE REMAINING PORTION OF THE ABANDONED MANHOLE SHALL BE BACKFILLED WITH A SAND SLURRY MIX.

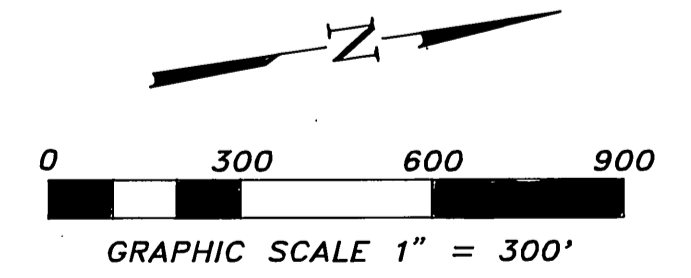
CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT SEWER SYSTEM IMPROVEMENT PLANS FOR THE RIVERSIDE MARKET PLACE (TENTATIVE PARCEL MAP NO. 26301) PORTIONS OF NINTH STREET, SALT LAKE AVENUE SUBWAY STREET, AND VINE STREET



VICINITY MAP
(N.T.S.)



SHEET INDEX MAP



NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS.

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

CALL UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-422-4133 AT LEAST 48 HOURS PRIOR TO EXCAVATION.

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

STANDARD DWGS. FOR CONSTRUCTION

CWD-023 STRUCTURE INTERFERENCE
RIVERSIDE D.P.W. - No. 500 CONCRETE SEWER MANHOLE

BENCHMARK

P.K. NAIL AND CITY ENGINEER TAG AT THE E'LY END OF THE N'LY HEADWALL OF THE R.W.C. CANAL, 170'± N.W. OF THE INTERSECTION OF THIRD STREET AND COMMERCE STREET.
CITY OF RIVERSIDE B.M. No. 17-K
ELEV.=881.022 FEET

EDA PROJECT
No. 07-01-03135

Underground Service Alert

Call: TOLL FREE
1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

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REGISTERED PROFESSIONAL ENGINEER
FRANK F. YANG
C 20568
Exp. 7-30-93
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. 20568
EXPIRATION DATE: 7-30-93 DATE: 4-4-91

HDR HDR Engineering, Inc.
Suite 201
2415 Campus Drive
Irvine, Ca. 92715
(714) 756-6800

DATE: MAY 1991

DESIGNED BY: *CB* DRAWN BY: *MLE* CHECKED BY: *RAW*

REVISIONS: REVISED SEWER SHEET 5 11/19/91

**CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS**

APPROVED BY: [Signature] DATE: 7/4/91

DEPUTY P.W. DIRECTOR: [Signature] DATE: 7-3-91

PRINCIPAL ENGINEER: [Signature] DATE: 6/29/91

CHIEF P.W. INSPECTOR: [Signature]

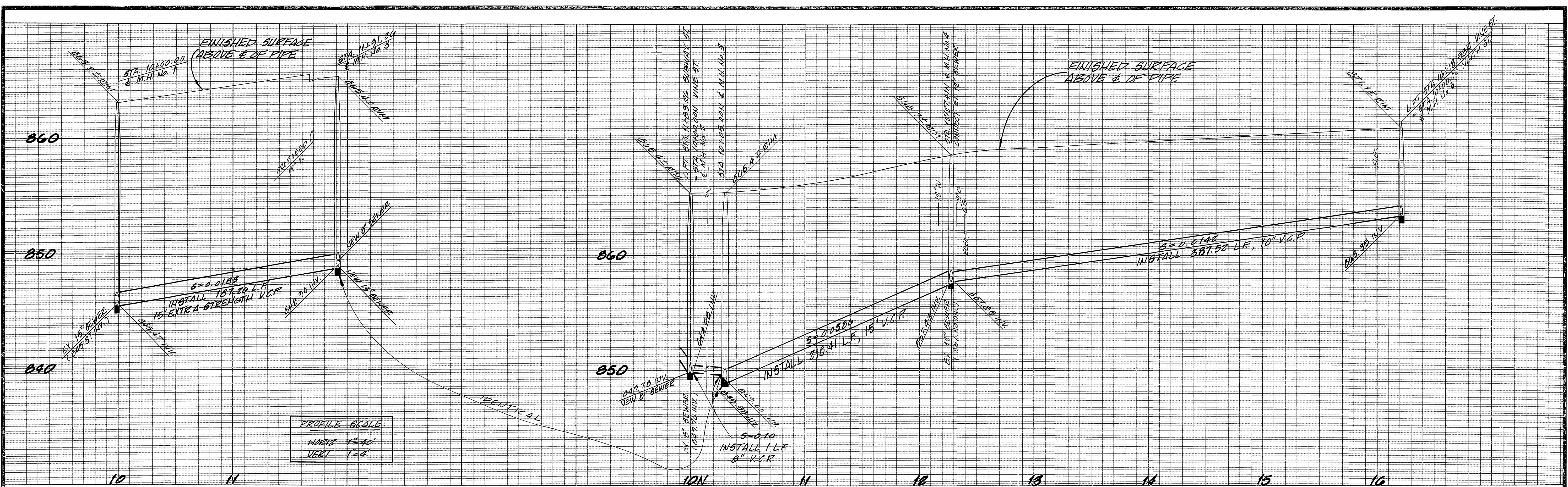
SURVEYOR: [Signature] DATE: 7/4/91

**TITLE SHEET
SEWER IMPROVEMENTS**

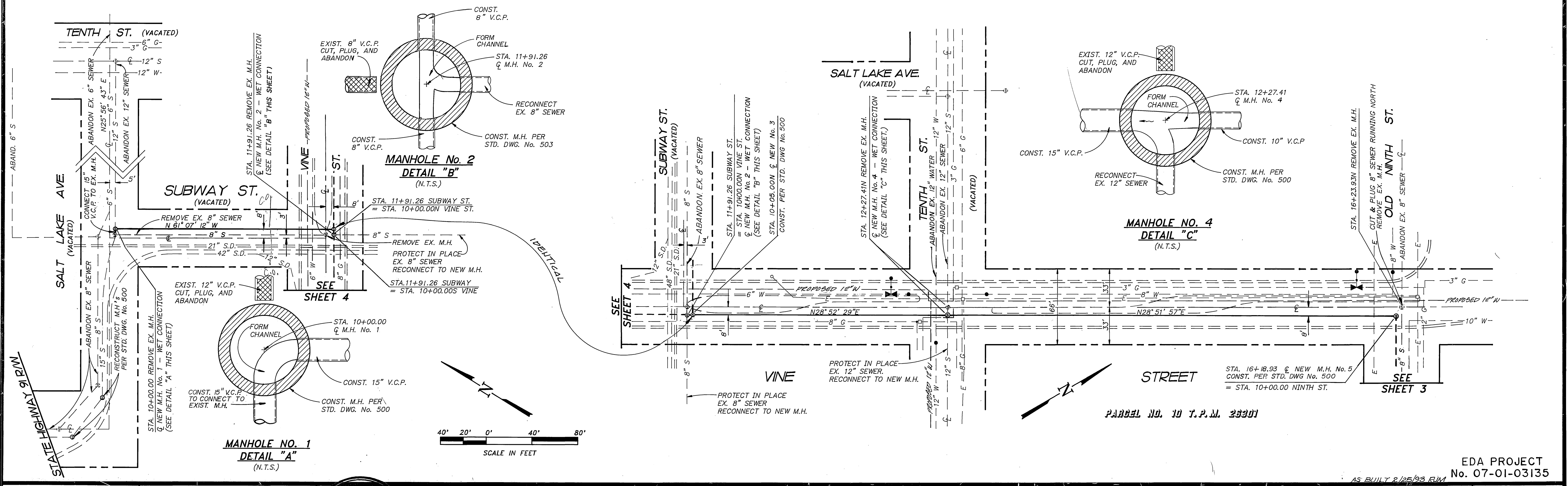
REFERENCE TENTATIVE PARCEL MAP No. 26301

HORIZ. SCALE: 1" VERT. SCALE: 1"

PROJECT No. S-1620
SHEET 1 OF 5
FILE NO.:



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

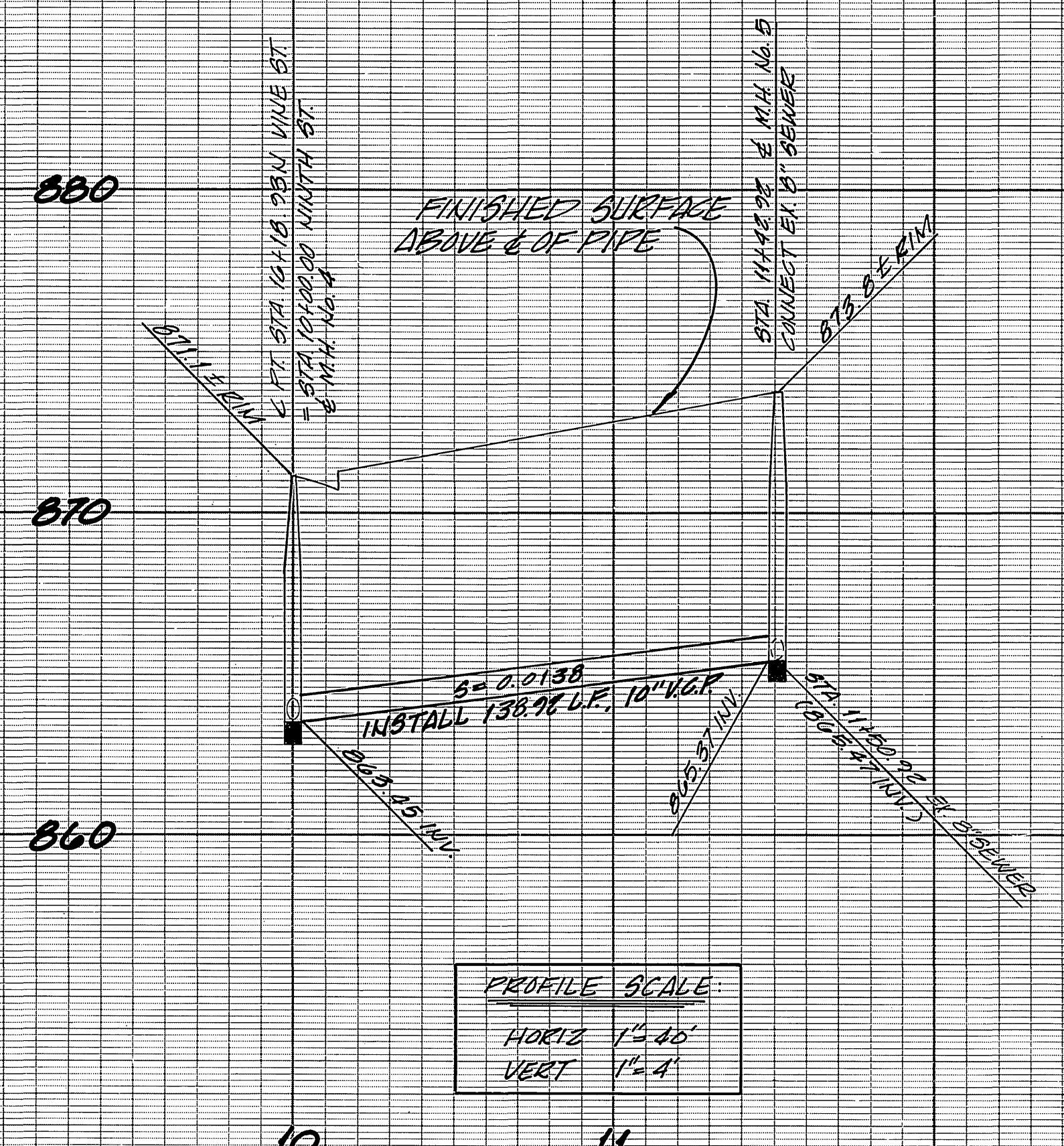


SCALE IN FEET
 0' 20' 0' 40' 80'

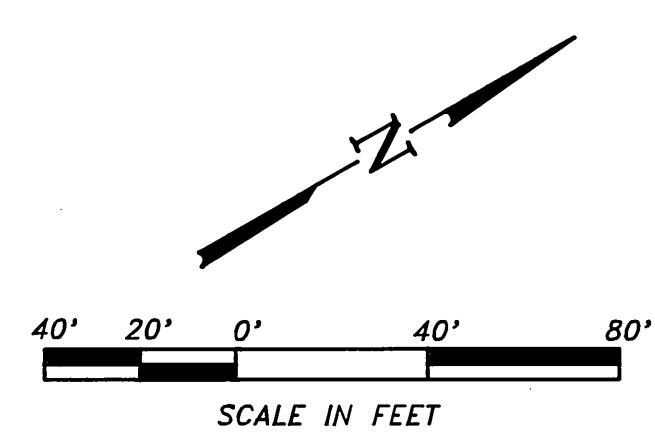
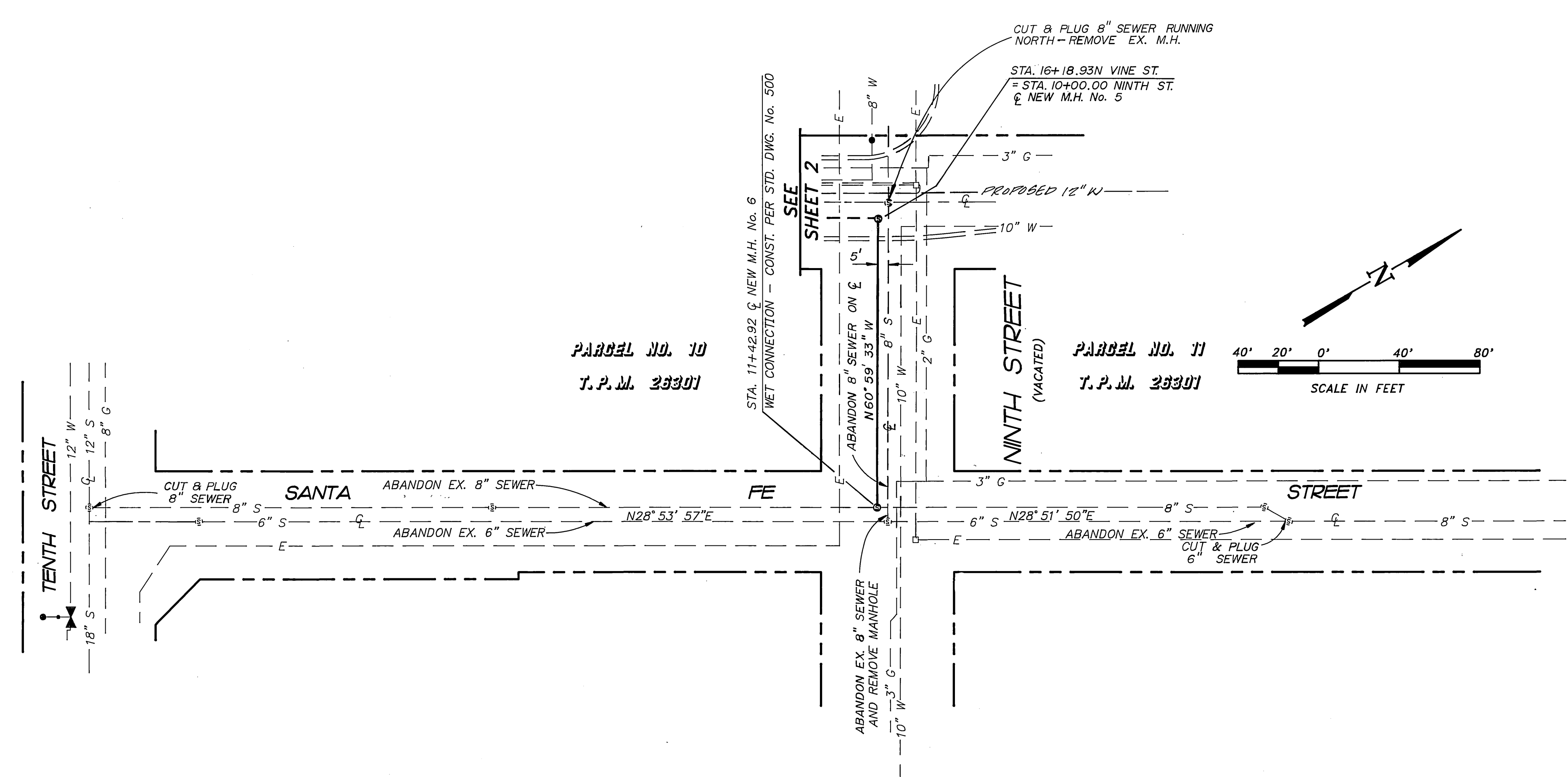
Underground Service Alert Call: TOLL FREE 1-800-422-4133 <small>TWO WORKING DAYS BEFORE YOU DIG</small>	PRIVATE ENGINEERING NOTE <small>CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.</small>	PREPARED UNDER THE DIRECTION OF: <i>Frank F. Yang</i> REGISTERED CIVIL ENGINEER No. 20568 EXPIRATION DATE: 9-30-93 DATE: 4-4-91	HDR Engineering, Inc. Suite 201 2415 Campus Drive Irvine, Ca. 92715 (714) 756-6800	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		SEWER IMPROVEMENTS VINE STREET REFERENCE TENTATIVE PARCEL MAP No. 26301		PROJECT NO. 3-1620
				DATE: MAY 1991	BENCH MARK: SEE SHEET No. 1	DESIGNED BY <i>R.B.B.</i> DRAWN BY <i>M.L.E.</i> CHECKED BY <i>RAK</i>	APPROVED BY DEPUTY P.W. DIRECTOR <i>Phl. 7-3-91</i> PRINCIPAL ENGINEER <i>2/4/91</i> CHIEF P.W. INSPECTOR SURVEYOR <i>S.U. 9/27/91</i>	APPROVED BY DIRECTOR OF PUBLIC WORKS <i>Stan Paul</i> DATE: 7/4/91

EDA PROJECT No. 07-01-03135
 AS BUILT 2/25/93 RIM

INDEXED 6-16-92 Lft



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



Underground Service Alert
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PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE DIRECTION OF:
Frank F. Yang
 REGISTERED CIVIL ENGINEER NO. 20568
 EXPIRATION DATE: 9-30-93 DATE: 4-4-91

HDR HDR Engineering, Inc.
 Suite 201
 2415 Campus Drive
 Irvine, Ca. 92715
 (714) 756-6800

DATE: **MAY 1991** BENCH MARK: **SEE SHEET No. 1**

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: *R.S.B.* DRAWN BY: *M.L.E.* CHECKED BY: *R.A.W.*

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
DEPUTY P.W. DIRECTOR	<i>R.H.L.</i>	7-3-91	<i>R.M. Smith</i>
PRINCIPAL ENGINEER	<i>R.M. Smith</i>	7-3-91	DIRECTOR OF PUBLIC WORKS
CHEF P.W. INSPECTOR			
SURVEYOR			
			DATE: 7-8-91

**SEWER IMPROVEMENTS
 NINTH STREET**
 REFERENCE TENTATIVE PARCEL MAP No. 26301

EDA PROJECT
 No. 07-01-03135

PROJECT NO.
S-1620

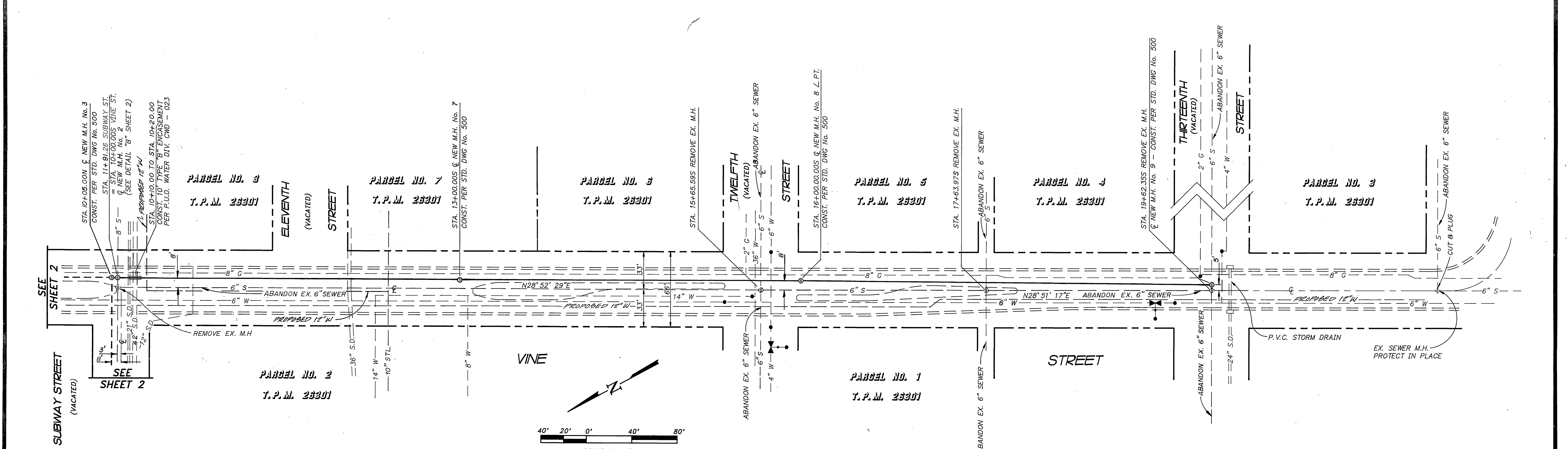
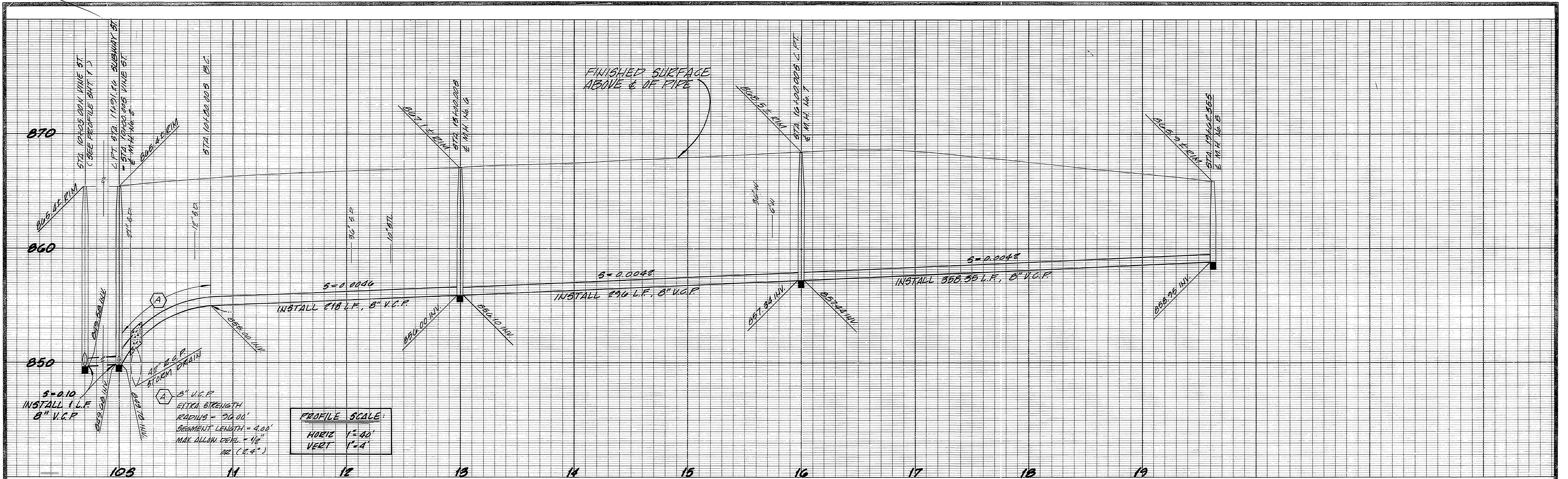
SHEET **3** OF **5**

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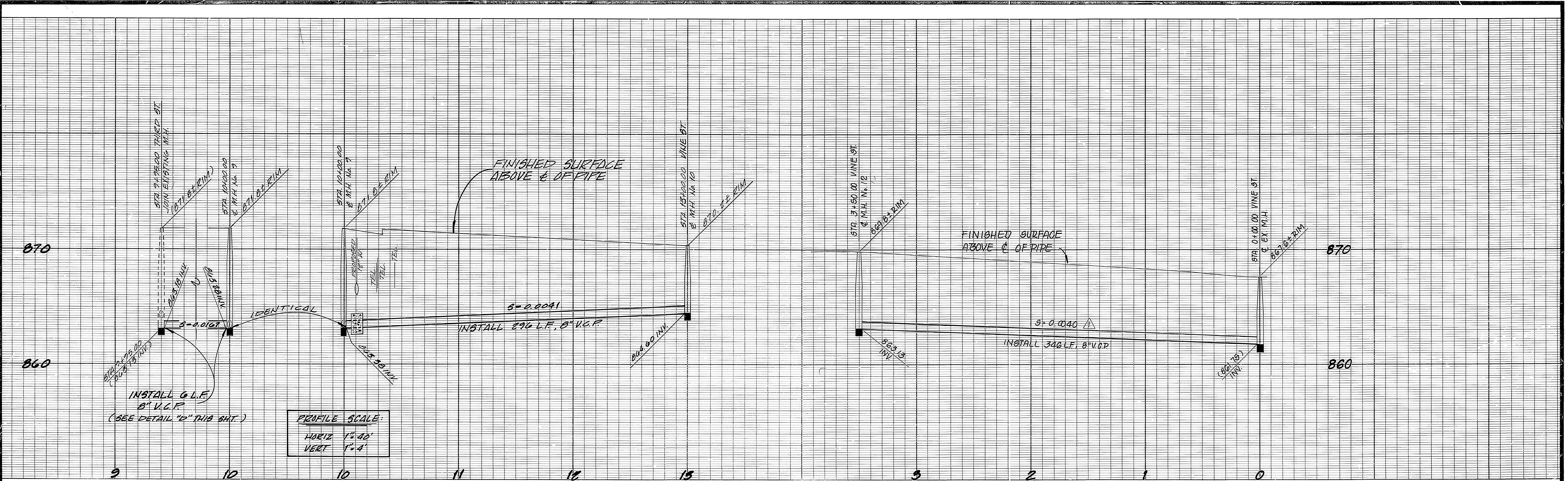
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AS BUILT 8/25/93 R.M.

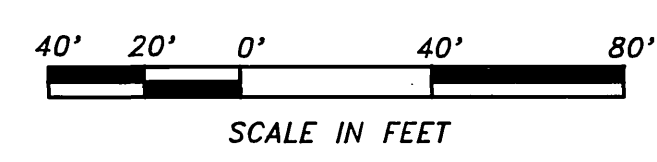
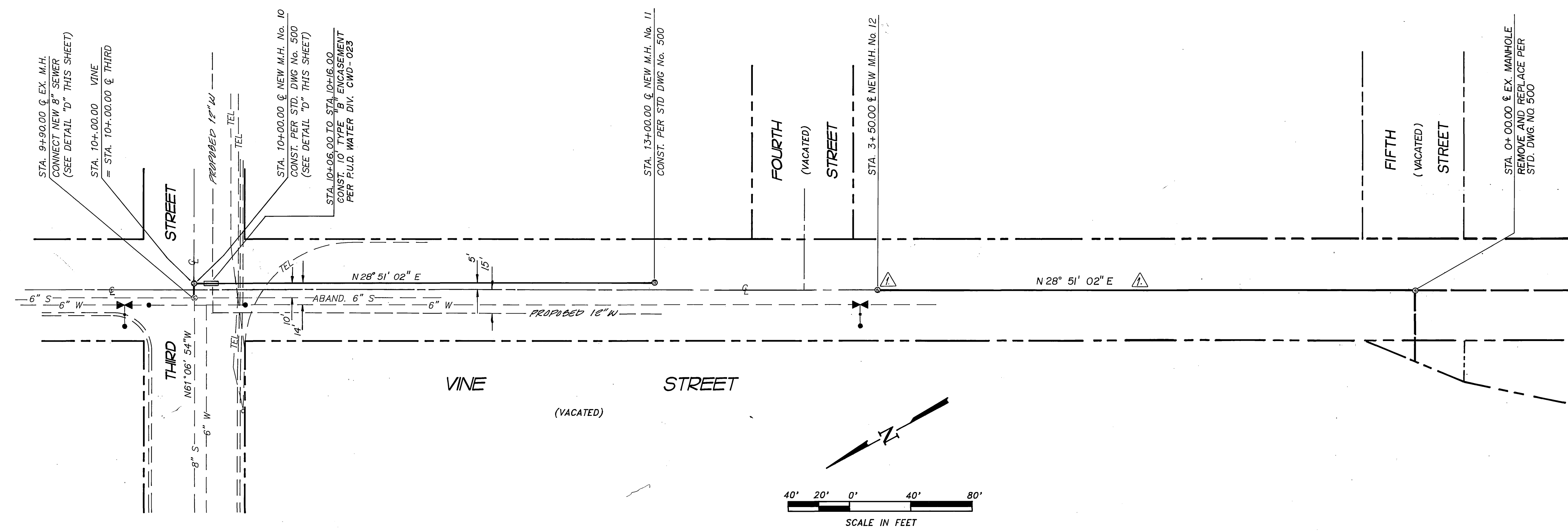
INDEXED 6-16-92 LHH



Underground Service Alert Call: TOLL FREE 1-800-422-4133 <small>TWO WORKING DAYS BEFORE YOU DIG</small>	PRIVATE ENGINEERING NOTE <small>CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.</small>	PREPARED UNDER THE DIRECTION OF: REGISTERED CIVIL ENGINEER NO. 20568 EXPIRATION DATE: 7-30-93 DATE: 4-4-91	 HDR Engineering, Inc. Suite 201 2415 Campus Drive Irvine, Ca. 92715 (714) 756-6800	CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	SEWER IMPROVEMENTS VINE STREET REFERENCE TENTATIVE PARCEL MAP No. 26301	PROJECT NO. S-1620 SHEET 4 OF 5 FILE NO.:



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

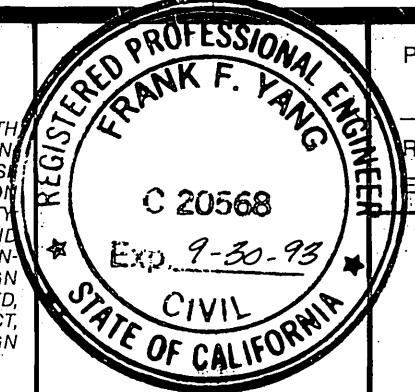


EDA PROJECT
 No. 07-01-03135

AS BUILT 2/25/93 RIM

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 Frank F. Yang
 REGISTERED CIVIL ENGINEER No. 20568
 EXPIRATION DATE: 9-30-95 DATE: 4-4-91

HDR Engineering, Inc.
 Suite 201
 2415 Campus Drive
 Irvine, Ca. 92715
 (714) 756-6800

DATE: MAY 1991

BENCH MARK: SEE SHEET No. 1

MARK	REVISIONS	APPR.	DATE
▲	RODED 8" SEWER LINE AND MANHOLE M.H. No. 12	ML	11/19/91

APPROVED BY	BY	DATE	APPROVED BY	DATE
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	Ray	2-1-91	Ray	2/1/91
DEPUTY P.W. DIRECTOR	Ray	2-1-91	DIRECTOR OF PUBLIC WORKS	2/1/91
PRINCIPAL ENGINEER	Ray	2-1-91		
CHEF P.W. INSPECTOR				
SURVEYOR				

SEWER IMPROVEMENTS VINE STREET
 REFERENCE TENTATIVE PARCEL MAP No. 26301
 HORIZ. SCALE: 1" = 40'
 VERT. SCALE: 1" = 4'

PROJECT NO. S-1620
 SHEET 5 OF 5
 FILE NO. INDEXED 6-16-92 LHM