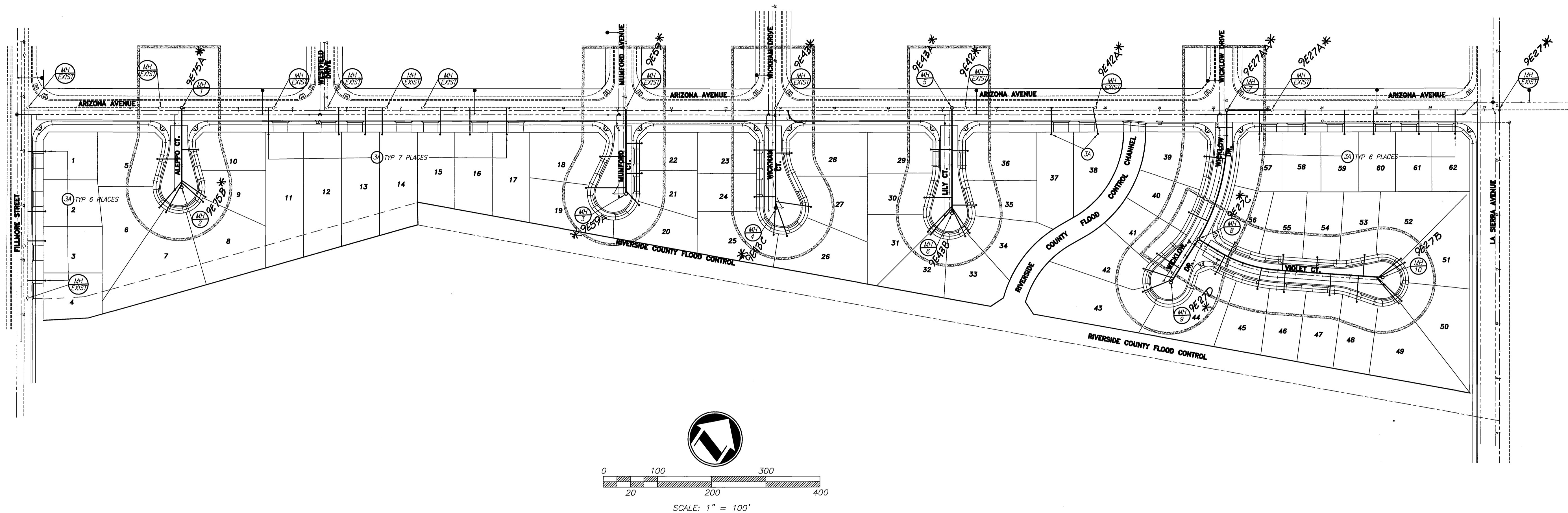


SEWER IMPROVEMENT PLAN FOR: TRACT No. 31028 RIVERSIDE, CA.



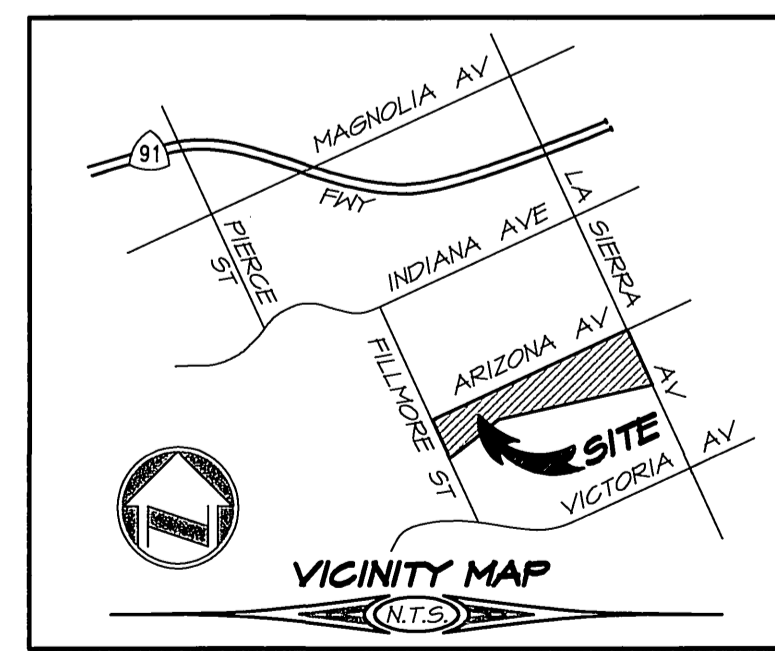
GENERAL NOTES

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.
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 RE-ESTABLISHING 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.

CONSTRUCTION NOTES AND QUANTITY ESTIMATE

THE QUANTITIES SHOWN BELOW ARE FOR BONDING INFORMATION ONLY. THE CONTRACTOR IS TO CONSTRUCT PROJECT PER THESE PLANS AND SUBMIT CONSTRUCTION BID BASED ON THEIR OWN QUANTITY "TAKE-OFF".

- | | | |
|---|--|----------|
| ① | CONSTRUCT 8" V.C.P. SEWER WITH CLASS III BEDDING PER CITY STD. DWD. NO. 452 | 1,130 LF |
| ② | CONSTRUCT MANHOLE PER C/RIV. STD. DWG. 500 | 10 EA |
| ③ | CONSTRUCT 4" V.C.P. SEWER LATERAL WITH C.O. AT R/W PER C/RIV. STD. DWG. 562A | 1,770 LF |
| ④ | CONSTRUCT 4" V.C.P. SEWER LATERAL WITH C.O. AT R/W PER C/RIV. STD. DWG. 562A (CORE DRILL AND SADDLE INTO EX. 8" VCP SEWER) | 780 LF |



CITY OF RIVERSIDE BUSINESS TAX ACCT#058833 EXP. 1/1/04

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

PLAN PREPARED BY:
adkan ENGINEERS
CIVIL ENGINEERING • SURVEYING • PLANNING
6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
TEL: (909) 688-0241 FAX: (909) 688-0599
DATE: 10-2-03
UNDER THE SUPERVISION OF: [Signature]
R.C.E. 53390 6/30/07

BENCHMARK: E2-P2
CITY OF RIVERSIDE
CHISELED SQUARE ON THE TOP OF CURB AT THE WESTERLY END OF A CATCH BASIN FRONTING THE SOUTHERLY CURB OF INDIANA AVENUE AT THE SOUTHEAST CORNER OF INDIANA AVENUE AND FILLMORE STREET.
ELEVATION: 738.410

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: RICK DRAWN BY: RICK CHECKED BY: C- [Signature]

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY	APPROVED BY
PRINCIPAL ENGINEER	10/10/03	[Signature]	CITY ENGINEER
PARK DEPARTMENT			
TRAFFIC DIVISION			

DATE: 10/10/03

* AS-BUILT 7-29-04 LH

PW03-0104

SEWER PLAN AND PROFILE

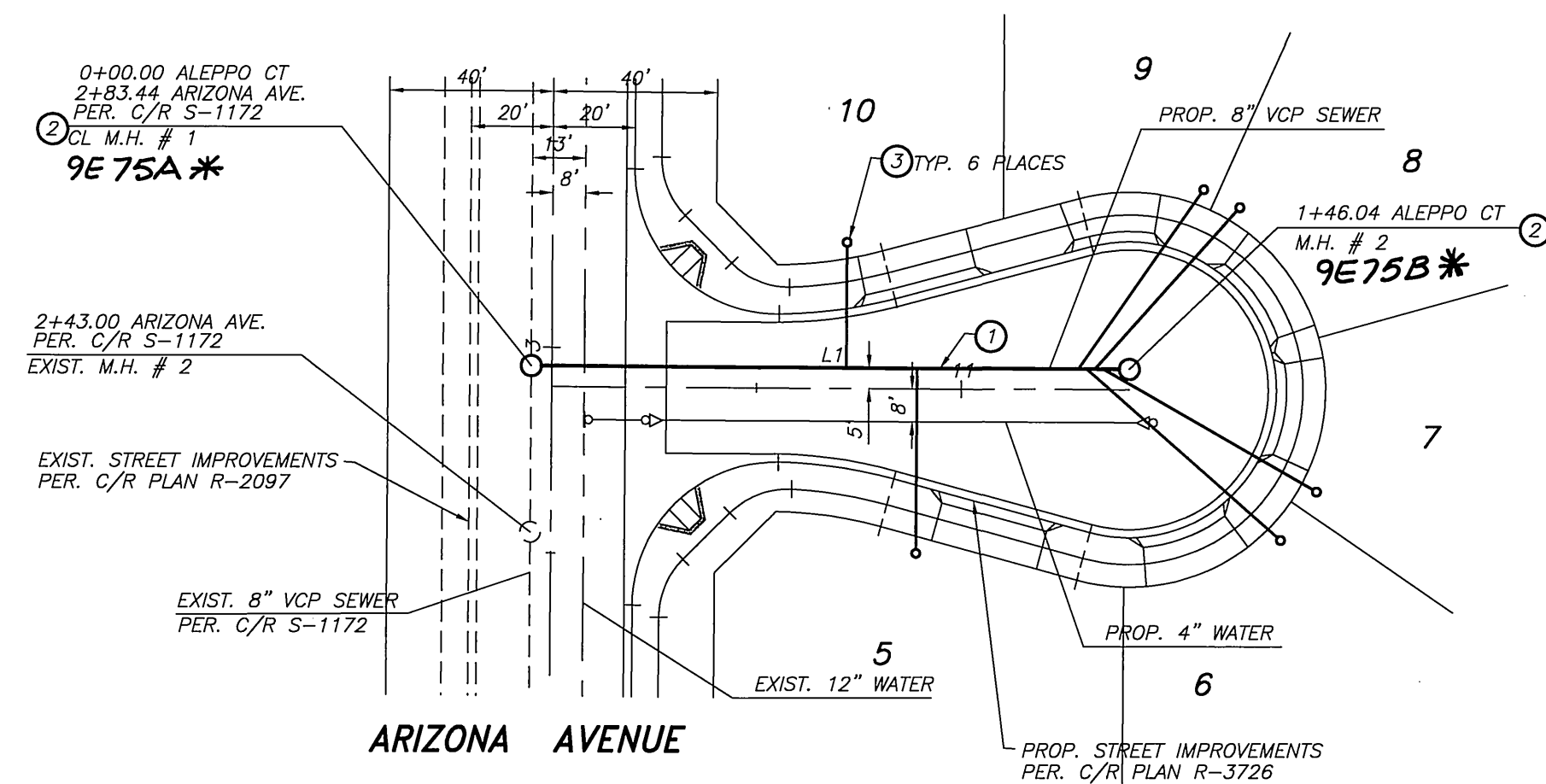
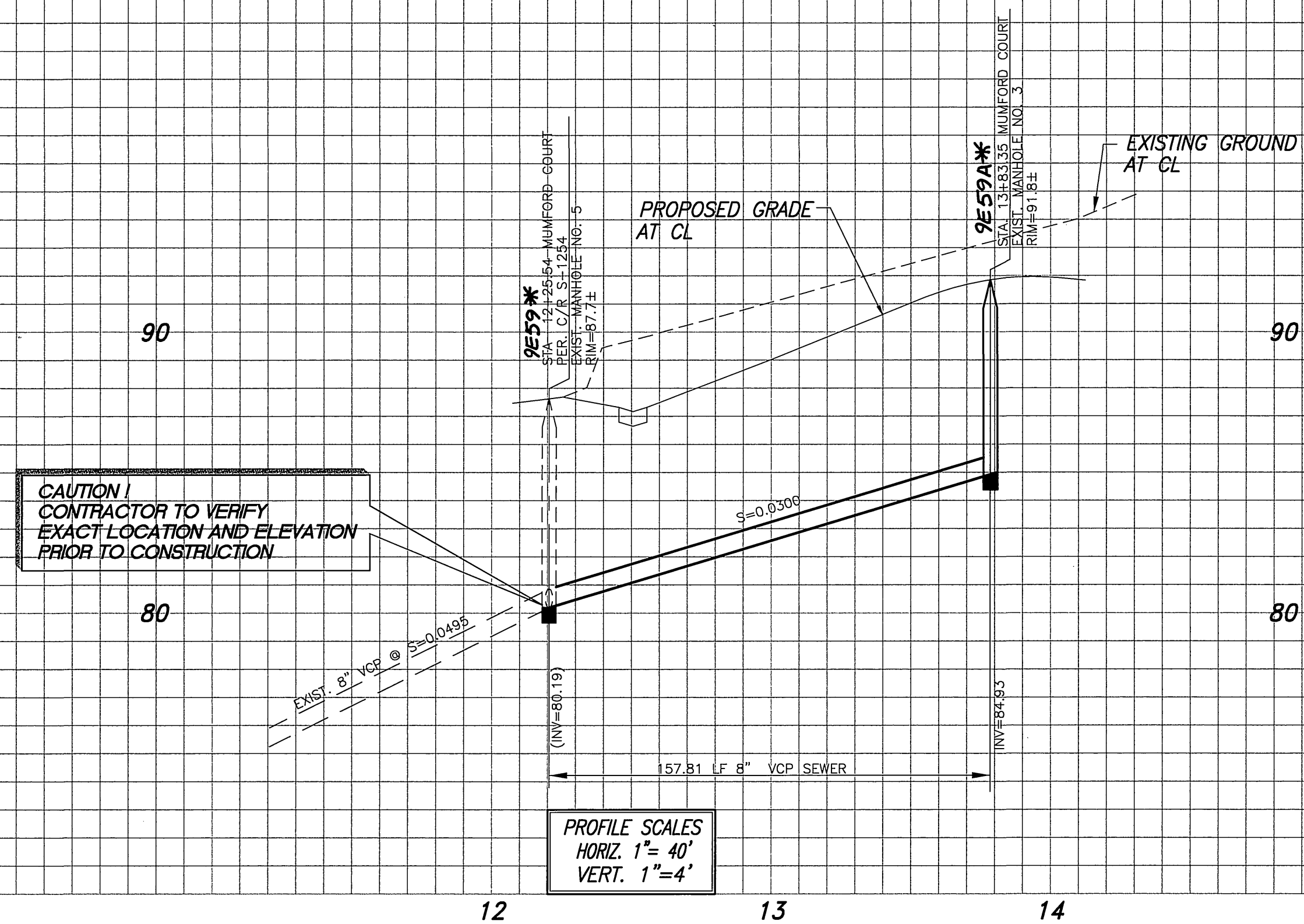
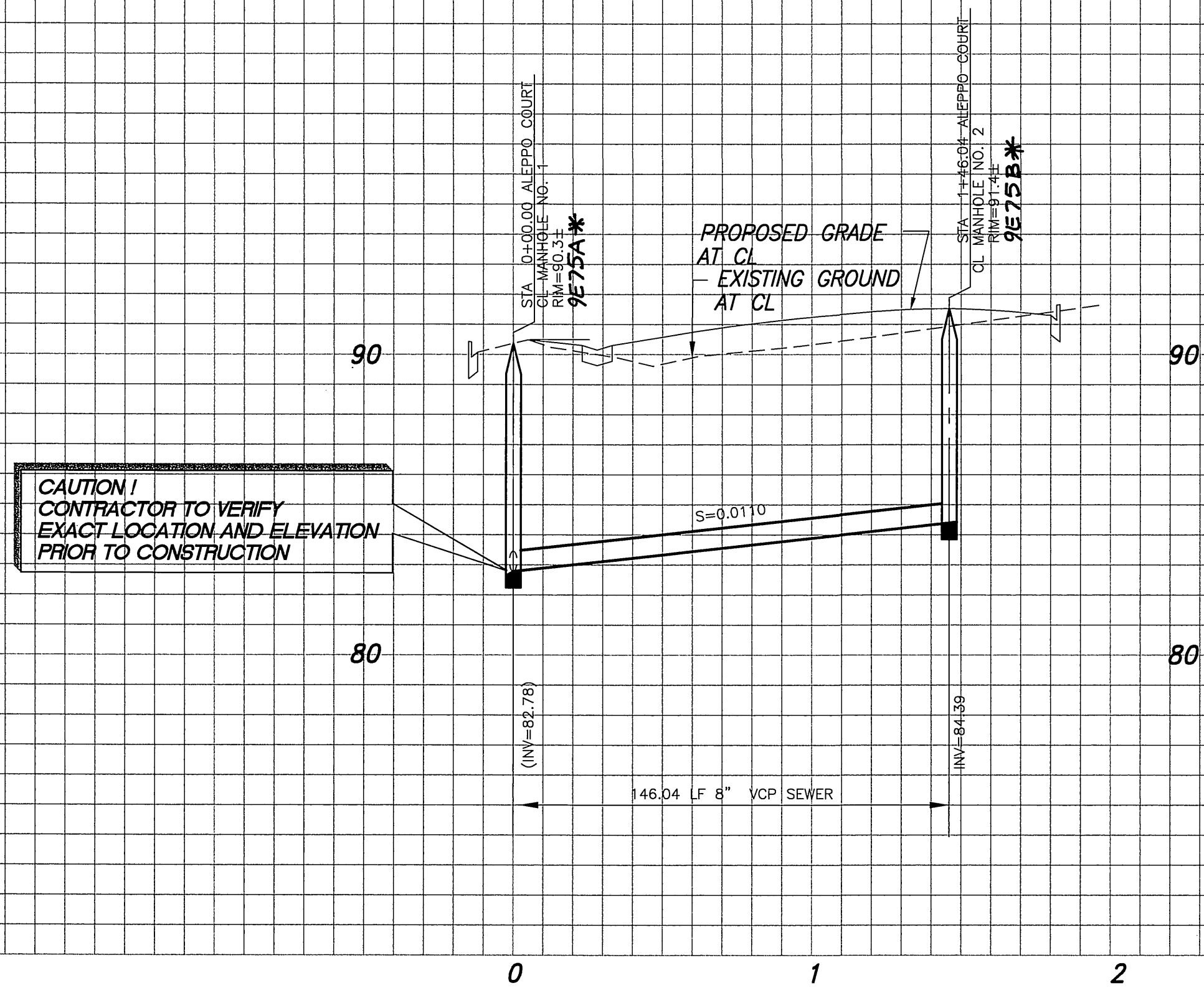
TRACT 31028
TITLE SHEET
&
INDEX MAP

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

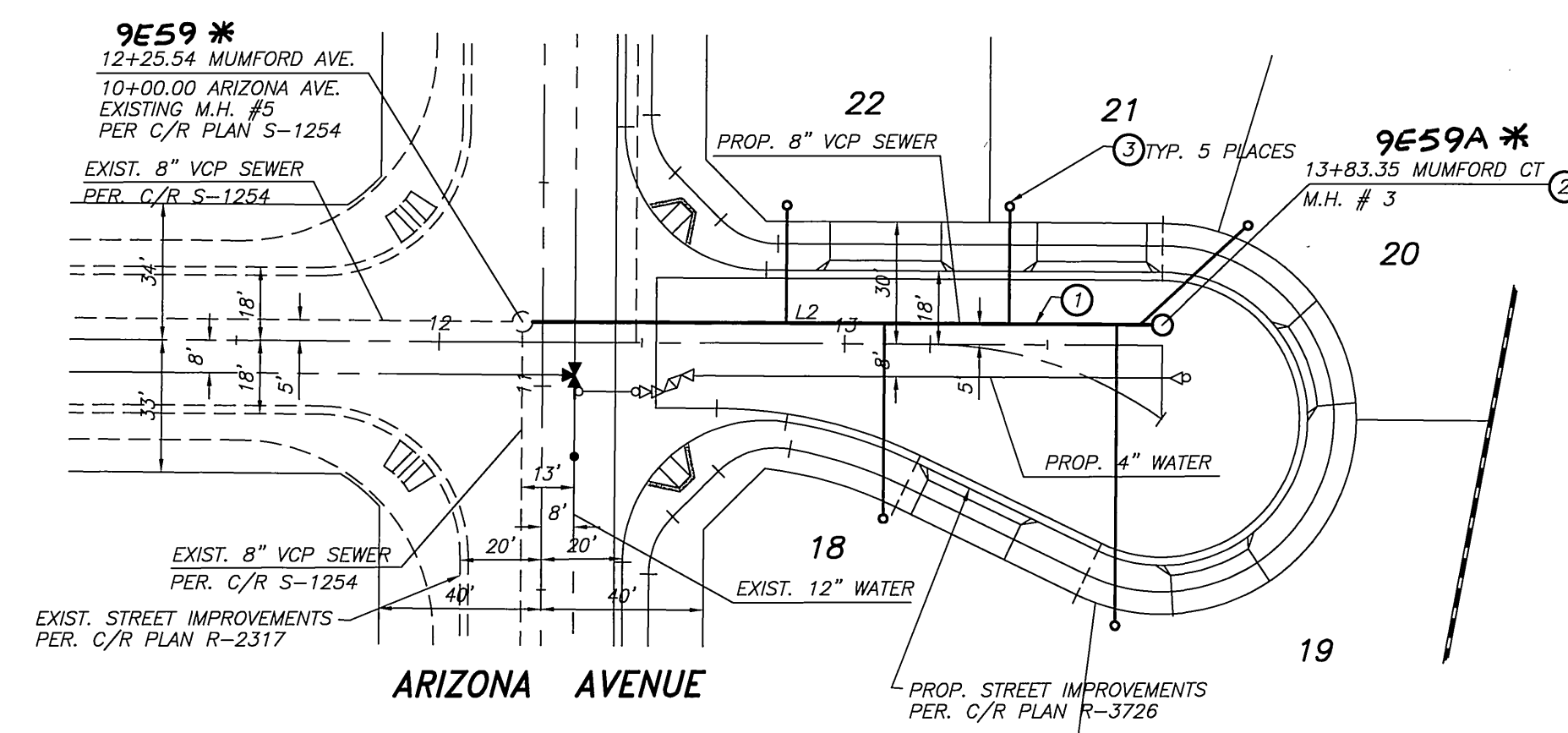
ACCOUNT NO.
S-1803
SHEET **1** OF **4**
J.N. 6371

CITY OF RIVERSIDE WATER DEPT.
(SHTS 1-A)
[Signature]
10/10/03
DATE

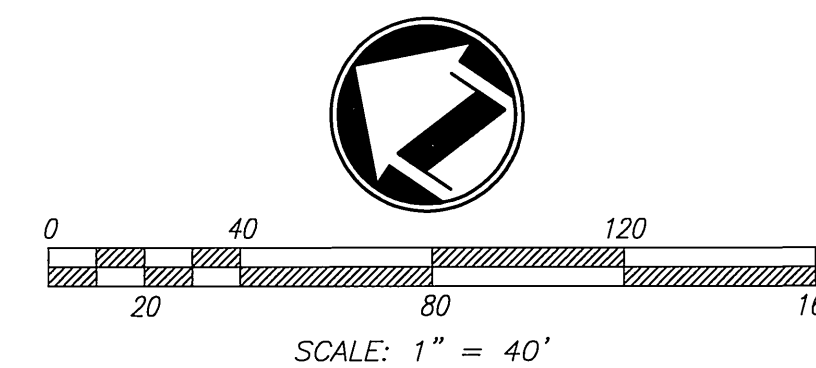
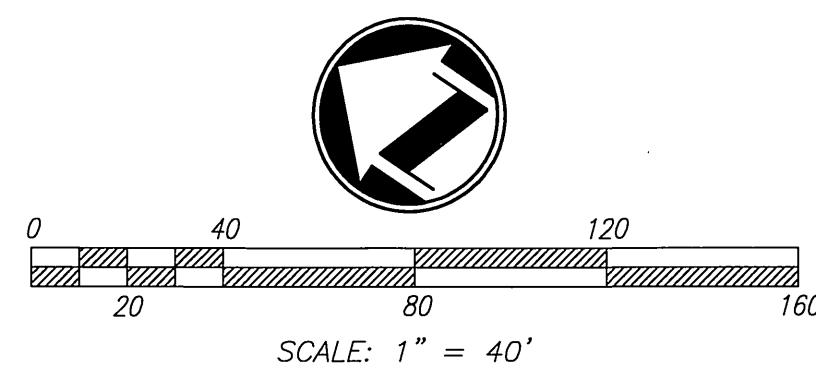
CITY OF RIVERSIDE PUBLIC UTILITIES DEPT.
ELECTRIC - OVERHEAD & UNDERGROUND
[Signature]
10/10/03
DATE



ALEPPO COURT



MUMFORD COURT



CONSTRUCTION NOTES

- ① CONSTRUCT 8" V.C.P. SEWER WITH CLASS III BEDDING PER CITY STD. DWG. NO. 452
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* AS-BUILT 7-29-04 LPH

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PLAN PREPARED BY
adkan ENGINEERS
CIVIL ENGINEERING • SURVEYING • PLANNING
6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
TEL: (909) 688-0241 • FAX: (909) 688-0599
DATE: 10-1-04
UNDER THE SUPERVISION OF: [Signature]
P.C.E. 63390 8/30/07

BENCHMARK: E2-P2
CITY OF RIVERSIDE
CHISELED SQUARE ON THE TOP OF CURB AT THE WESTERLY END OF A CATCH BASIN FRONTING THE SOUTHERLY CURB OF INDIANA AVENUE AT THE SOUTHEAST CORNER OF INDIANA AVENUE AND FILLMORE STREET.
ELEVATION: 738.410

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: RICK DRAWN BY: RICK CHECKED BY: C- [Signature]

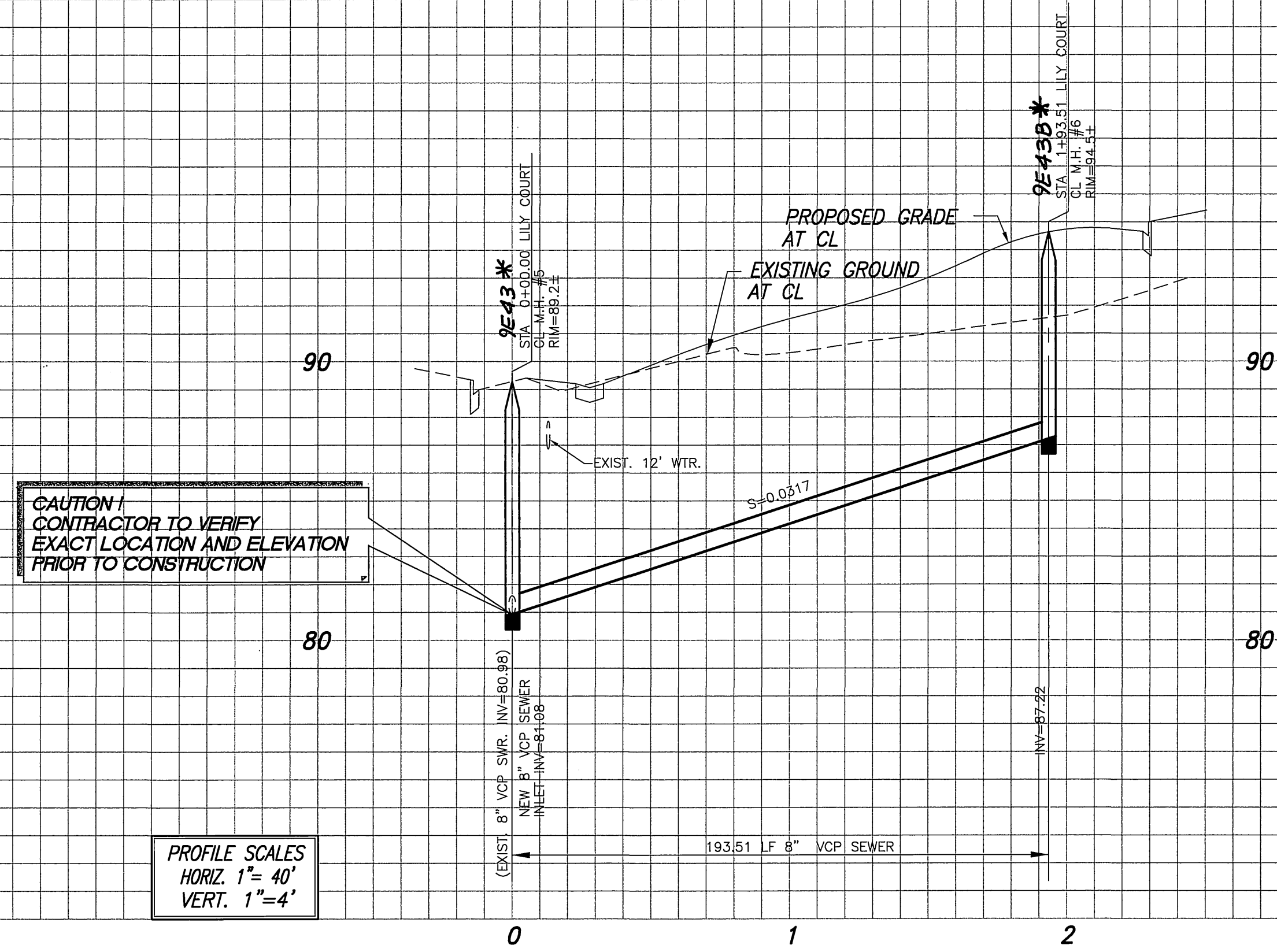
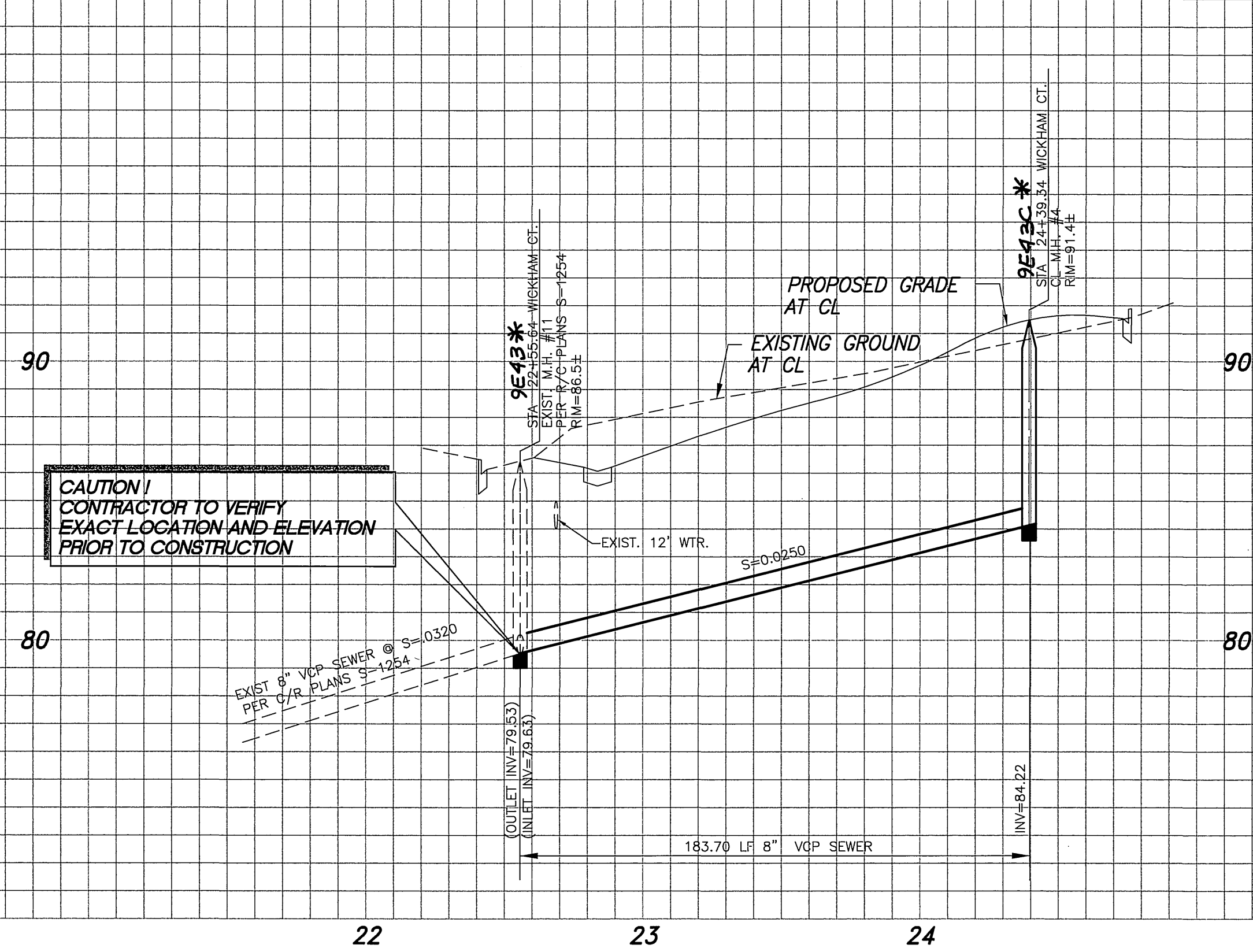
CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]	DATE: 10/23/03	APPROVED BY: [Signature]
PRINCIPAL ENGINEER		CITY ENGINEER
PARK DEPARTMENT		
TRAFFIC DIVISION		

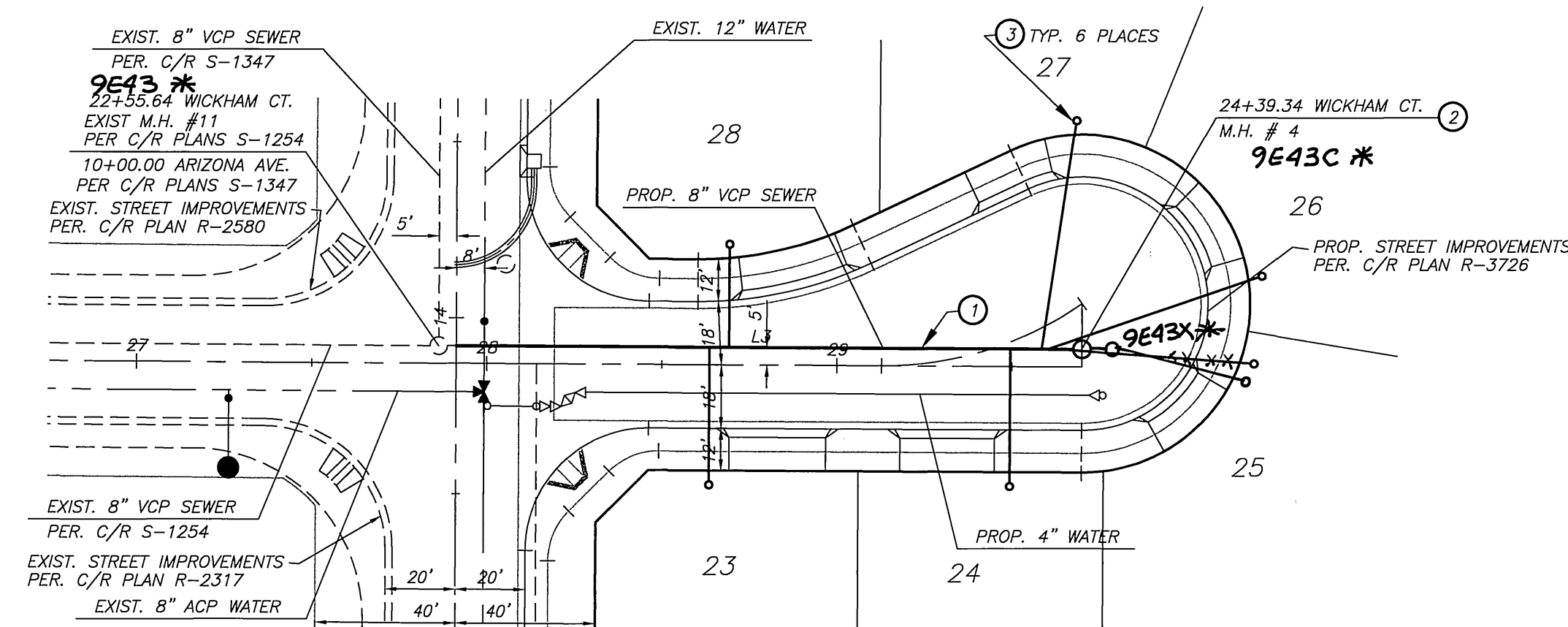
DATE: 10/30/03

SEWER PLAN AND PROFILE
TRACT 31028
ALEPPO COURT
MUMFORD AVENUE

PW03-0104
ACCOUNT NO.
S-1803
SHEET 2 OF 4
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4' J.N. 6371

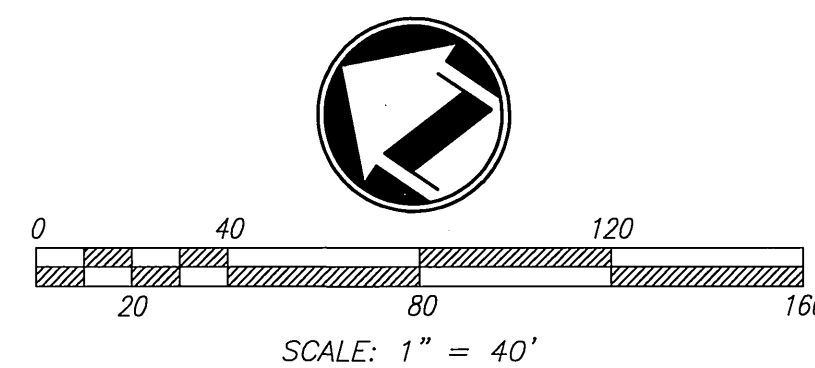


PROFILE SCALES
HORIZ. 1" = 40'
VERT. 1" = 4'



ARIZONA AVENUE

WICKHAM COURT



CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP. 1/1/04

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adkan ENGINEERS
CIVIL ENGINEERING • SURVEYING • PLANNING
6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
TEL: (909) 688-0241 FAX: (909) 688-0599
DATE: 10-2-03
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ACE 53390 6/30/07

BENCHMARK: E2-P2
CITY OF RIVERSIDE
CHISELED SQUARE ON THE TOP OF CURB AT THE WESTERLY END OF A CATCH BASIN FRONTING THE SOUTHERLY CURB OF INDIANA AVENUE AT THE SOUTHEAST CORNER OF INDIANA AVENUE AND FILLMORE STREET.
ELEVATION: 738.410

DESIGNED BY: RICK DRAWN BY: RICK CHECKED BY: C- [Signature]

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] DATE: 10/2/03 BY: [Signature]
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CITY ENGINEER

* AS-BUILT 7-29-04 4H

SEWER PLAN AND PROFILE

TRACT 31028
WICKHAM AVENUE
LILY COURT

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

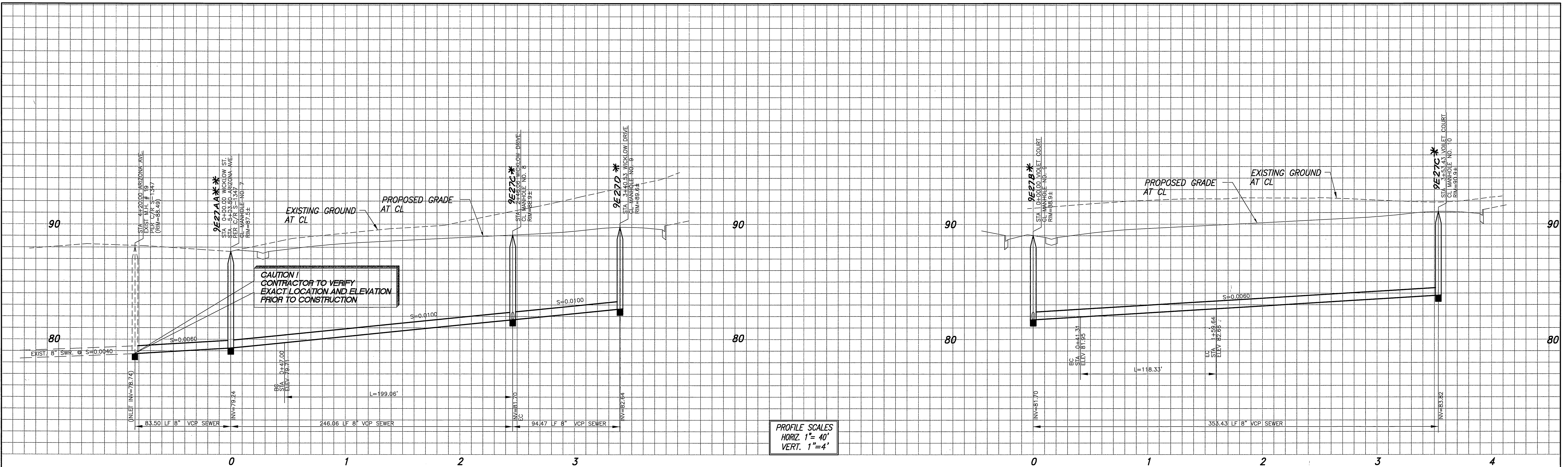
PW03-0104
ACCOUNT NO.
S-1803
SHEET 3 OF 4
J.N. 6371

CONSTRUCTION NOTES

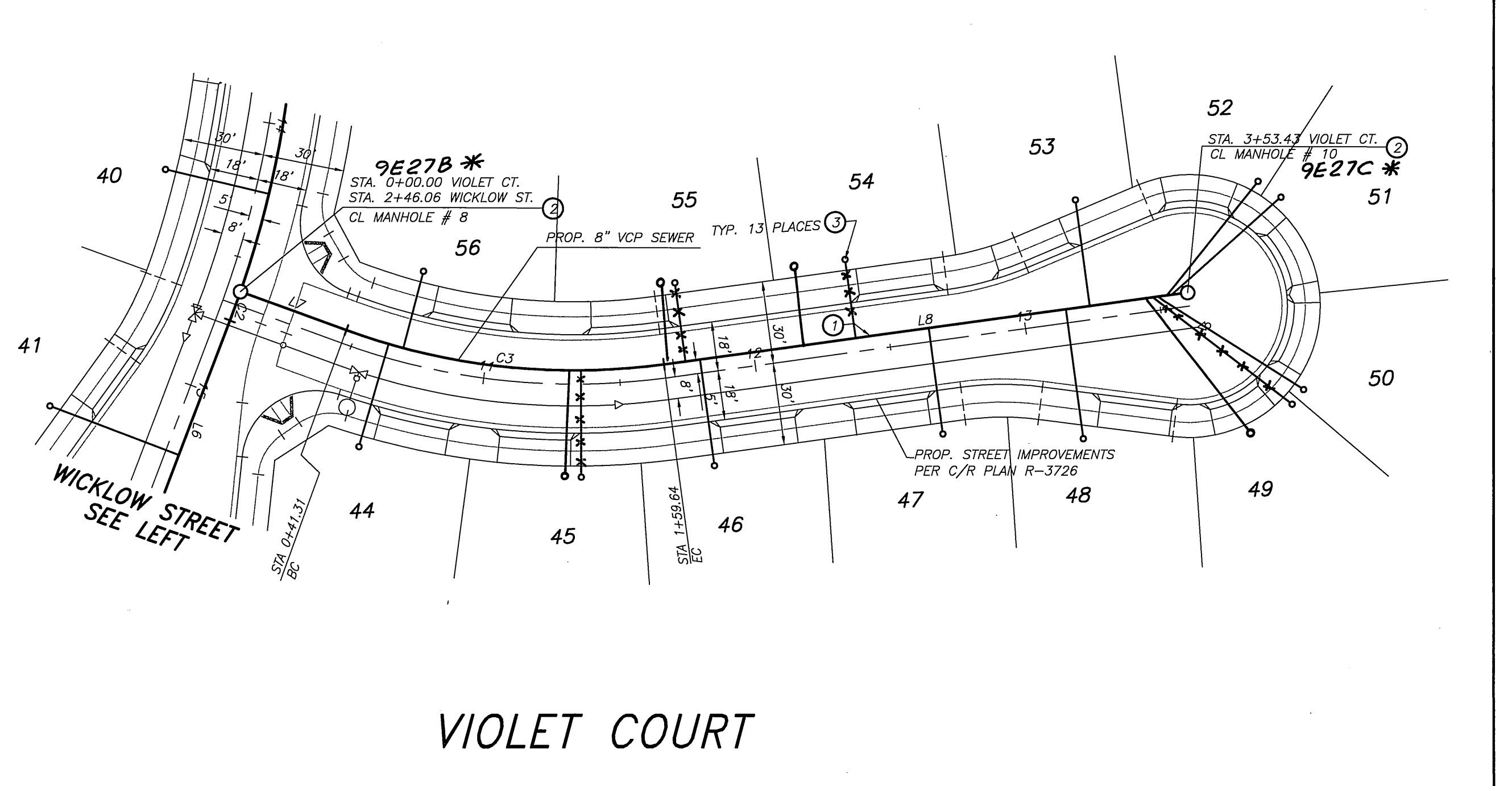
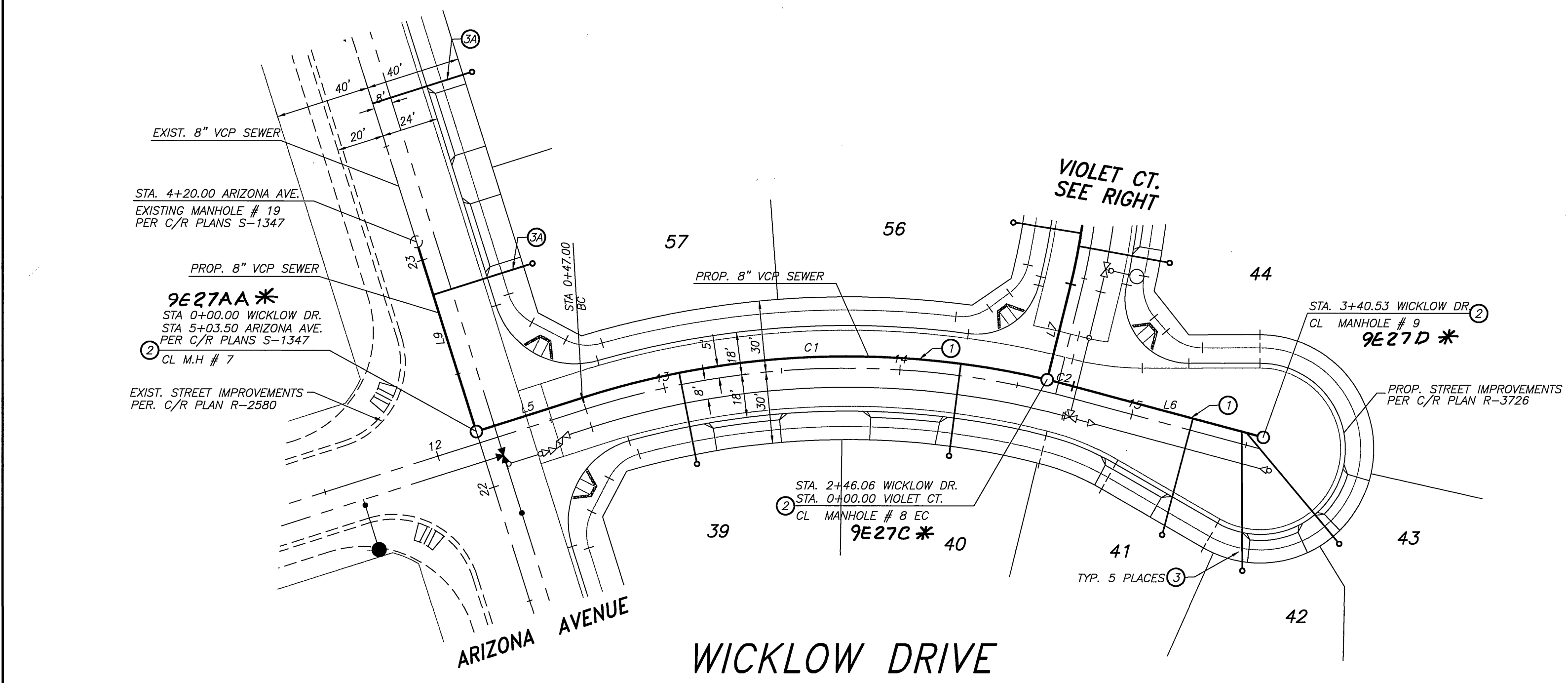
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INDEXED 12-12-03 4H

Plot date: 09/29/03



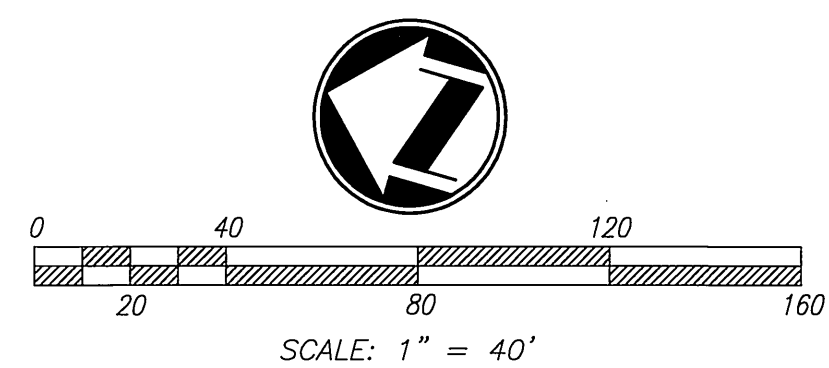
PROFILE SCALES
 HORIZ. 1" = 40'
 VERT. 1" = 4'



SEWER TABLES

NUMBER	DIRECTION	DISTANCE
L1	N33°38'40"W	146.04'
L2	N33°39'55"W	157.81'
L3	N33°39'38"W	183.70'
L4	N33°38'40"W	193.51'
L5	N33°38'40"W	47.00'
L6	N01°05'17"W	83.29'
L7	N87°57'17"E	41.31'
L8	N60°18'57"E	193.79'
L9	N56°21'20"E	83.50'

NUMBER	Δ =	R =	T =	L =
C1	30°49'30"	370.00	102.00	199.06
C2	01°43'53"	370.00	5.59	11.18
C3	27°40'20"	245.00	60.34	118.33



CITY OF RIVERSIDE BUSINESS TAX ACCT#0588833 EXP. 1/1/04

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 TEL: (909) 688-0241 FAX: (909) 688-0599
 DATE: 10-1-03
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BENCHMARK: E2-P2
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 ELEVATION: 738.410

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature] DATE BY: [Signature]
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION

SEWER PLAN AND PROFILE
 TRACT 31028
 WICKLOW STREET
 VIOLET COURT
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 J.N. 6371

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* 9AS-BUILT 7-29-04 LHM

PW03-0104
 ACCOUNT NO.
S-1803
 SHEET 4 OF 4

INDEXED 12-12-03 LHM

File name: U:\DRAWING\MEEKER\6371\6371SW04