

# SEWER IMPROVEMENT PLANS

## TRACT 21709-5

### GENERAL NOTES

1. 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.
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, STD. DWG. NO. 10, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
4. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
5. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
6. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
7. NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 4' ABOVE THE SEWER FLOW LINE AT THE POINT OF CONNECTION WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
8. A PLUG WALL 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 OF RIVERSIDE.
9. ALL MANHOLES TO BE RIVERSIDE CITY STD. DWG. NO. 500.
10. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
11. THE CONTRACTOR SHALL CALL IN A LOCATIONS REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 1-800-422-4133, 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 USA.
12. 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.
13. NOTICE TO CONTRACTOR. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT ON RECORD OR NOT SHOWN ON THESE PLANS.
14. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.

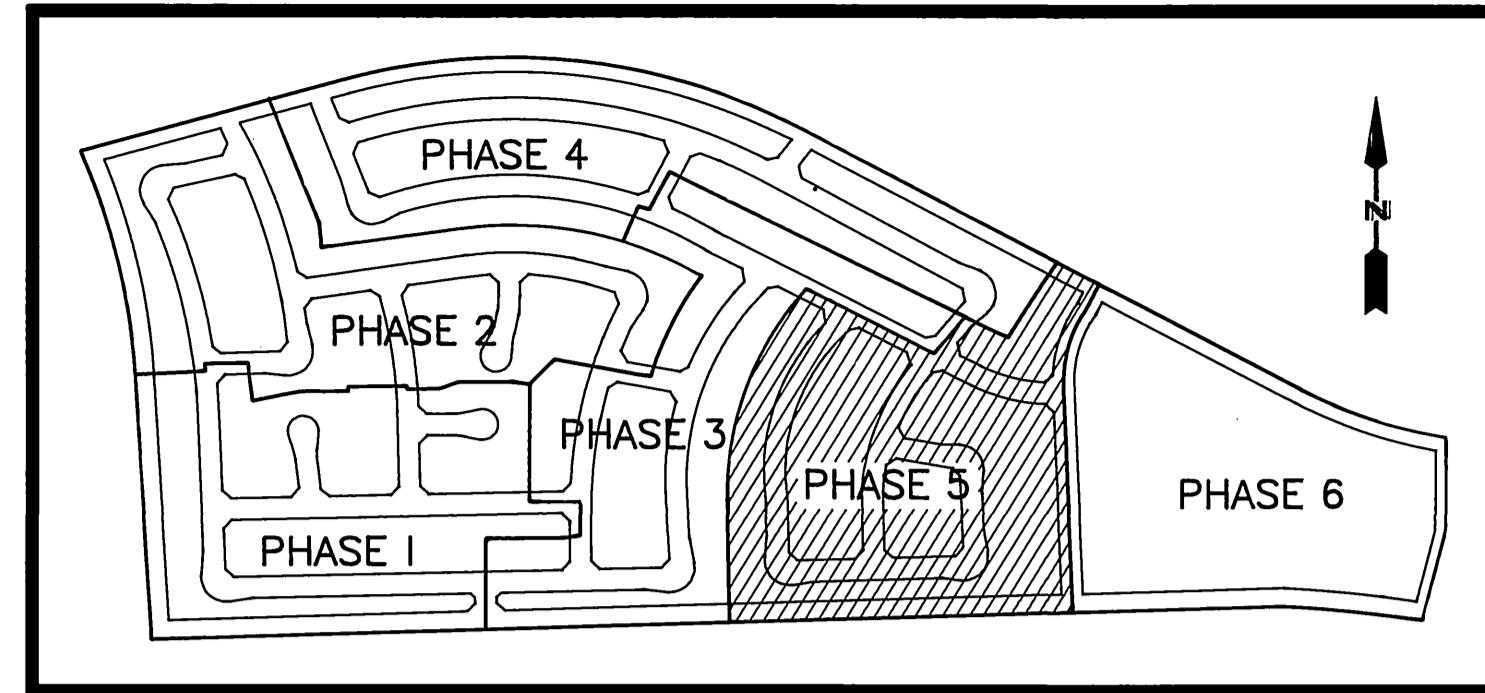
### CONSTRUCTION NOTES

- ① CONSTRUCT MANHOLES PER CITY OF RIVERSIDE STD. DWG. NO. 500.
- ② WHERE SEWER IS 6.5' DEEP WHEN THE CLEARANCE BETWEEN SEWER AND WATER IS LESS THAN 2'. CONSTRUCT SEWER LATERAL PER CITY OF RIVERSIDE STD. DWG. NO. 562, NOTE 3.
- ③ CONSTRUCT 4" LATERAL TO PROPERTY LINE PER CITY OF RIVERSIDE STD. DWG. NO. 562.
- ④ CONSTRUCT 8" V.C.P. SEWER.

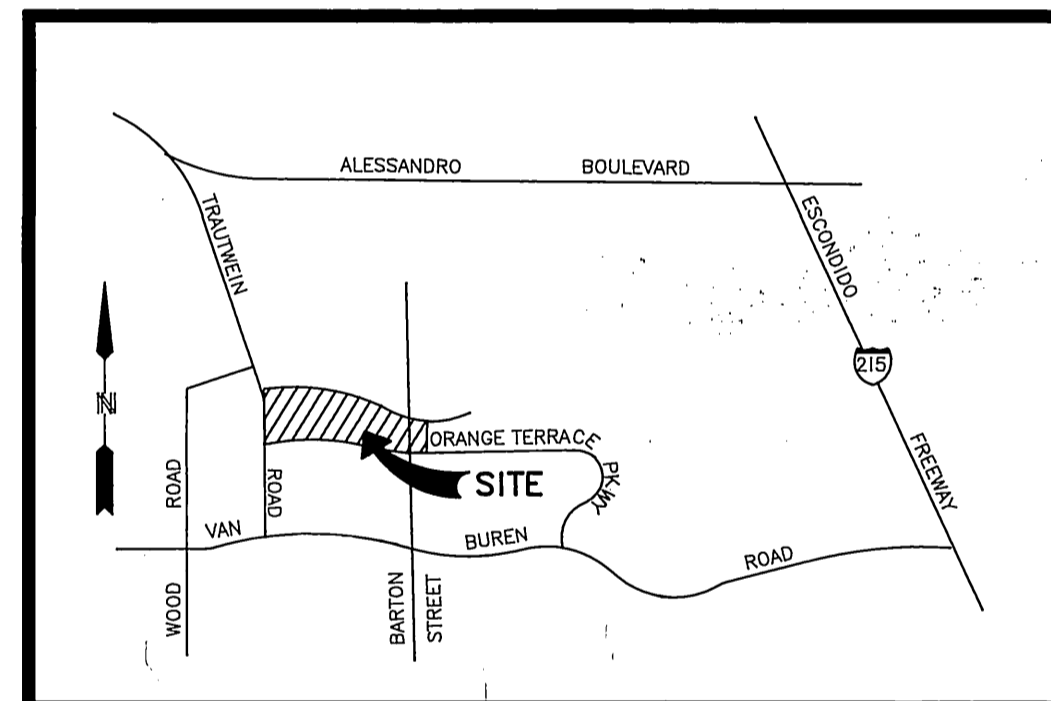
### LEGEND

- \* INDICATES SEWER BACKFLOW PREVENTERS REQ'D.
- PROPOSED V.C.P. SEWER
- EXISTING V.C.P. SEWER
- MANHOLE

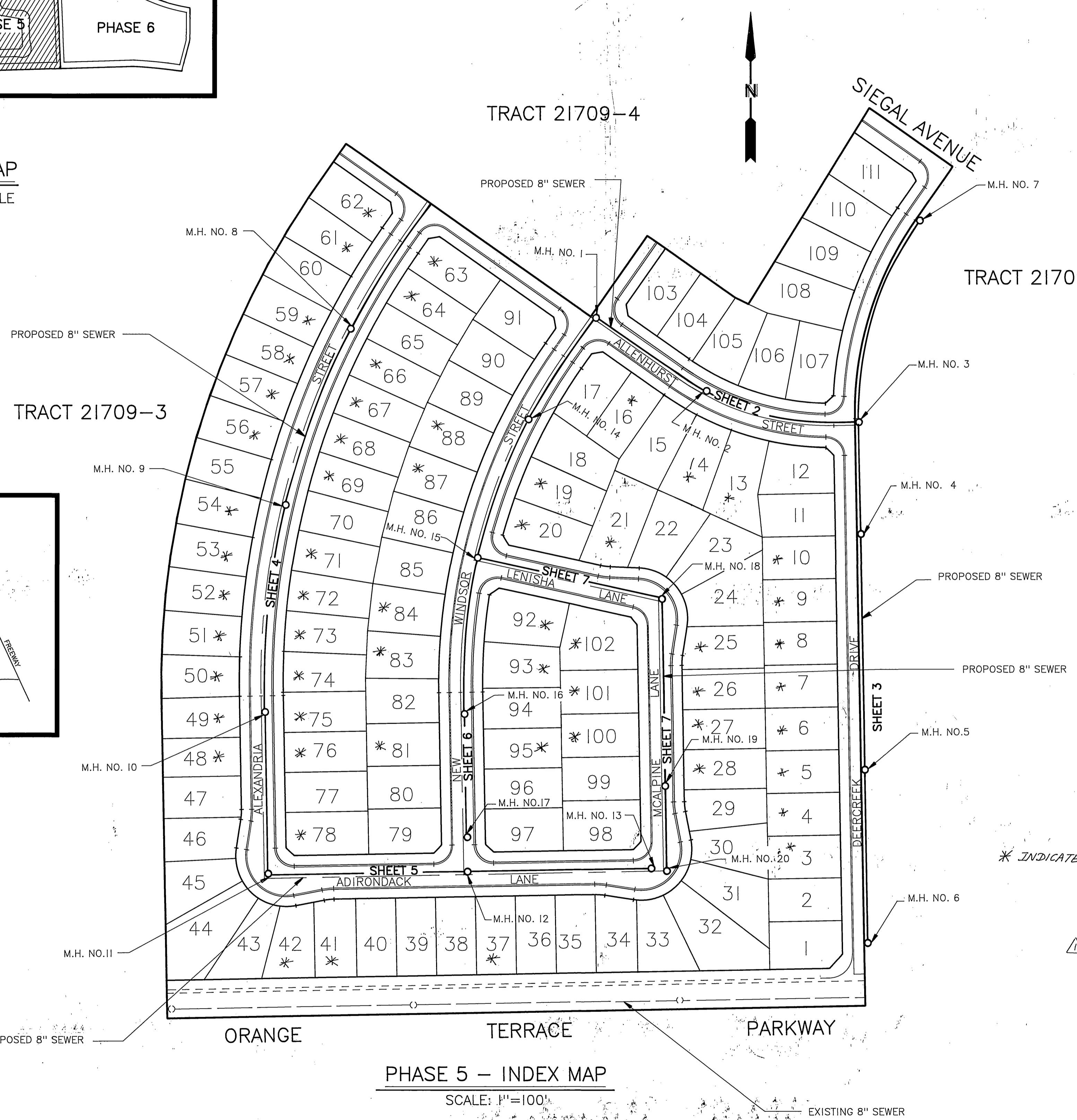
△ LOTS REQUIRING SEWER BACKFLOW PREVENTERS:  
 3, 4, 5, 6, 7, 8, 9, 10, 13, 14, 16, 19, 20, 21, 25, 26  
 27, 28, 37, 41, 42, 48, 49, 50, 51, 52, 53, 54, 56, 57, 58  
 59, 61, 62, 63, 64, 66, 67, 68, 69, 71, 72, 73, 74, 75  
 76, 78, 81, 83, 84, 87, 88, 92, 93, 95, 100, 101, 102  
 103, 104, 106, 108, 109



PHASE MAP  
NOT TO SCALE



VICINITY MAP  
NOT TO SCALE



PHASE 5 - INDEX MAP

SCALE: 1"=100'

REVIEWED BY  
**WESTERN MUNICIPAL WATER DISTRICT**  
 SHEET 1 THRU 7  
*Thom D. Spind*  
 PRINCIPAL ENG. R.C.E. 21643  
 DATE 5/22/90

Underground Service Alert  
 Call: TOLL FREE  
 1-800-422-4133  
TWO WORKING DAYS BEFORE YOU DIG

**PRIVATE ENGINEERING NOTE**  
 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.

REGISTERED PROFESSIONAL ENGINEER  
**ROGER S. GUNLIFFE**  
 No 27794  
 Expires 3/31/94  
 CIVIL  
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:  
*Roger S. Gunliffe*  
 ROGER S. GUNLIFFE-OWEN RCE #27794  
 EXPIRATION DATE: DATE: 4/13/90  
 APPROVED BY:  
 DATE:

**J.F.D. J. F. Davidson Associates, Inc.**  
 ENGINEERING PLANNING SURVEYING  
 ARCHITECTURE LANDSCAPE ARCHITECTURE  
 27349 Jefferson, Suite 115, P.O. Box 340, Rancho California, CA 92390  
 (714) 676-7710 FAX 714-699-1981  
 BENCH MARK: V.B. 10-64 ELEV. 1700.670 DATE: 1971 BRASS DISK  
 FLUSH & MARKED V.B. 10-64, 0.6 MI. E. ON VAN BUREN BLVD. FROM CL  
 INT. OF VAN BUREN & WOOD RD., 205' N. OF VAN BUREN @ THE N.E. SIDE  
 OF GRANITE BOULDERS, ON TOP OF 3'x15'x18" BOULDER.  
 SCALE AS NOTED  
 DATE FEBRUARY 1990

ADDED BACKFLOW PREVENTERS  
 MARK REVISIONS APPR. DATE  
 DESIGNED BY D.A.M. DRAWN BY D.A.M. CHECKED BY T.P.  
 PREP

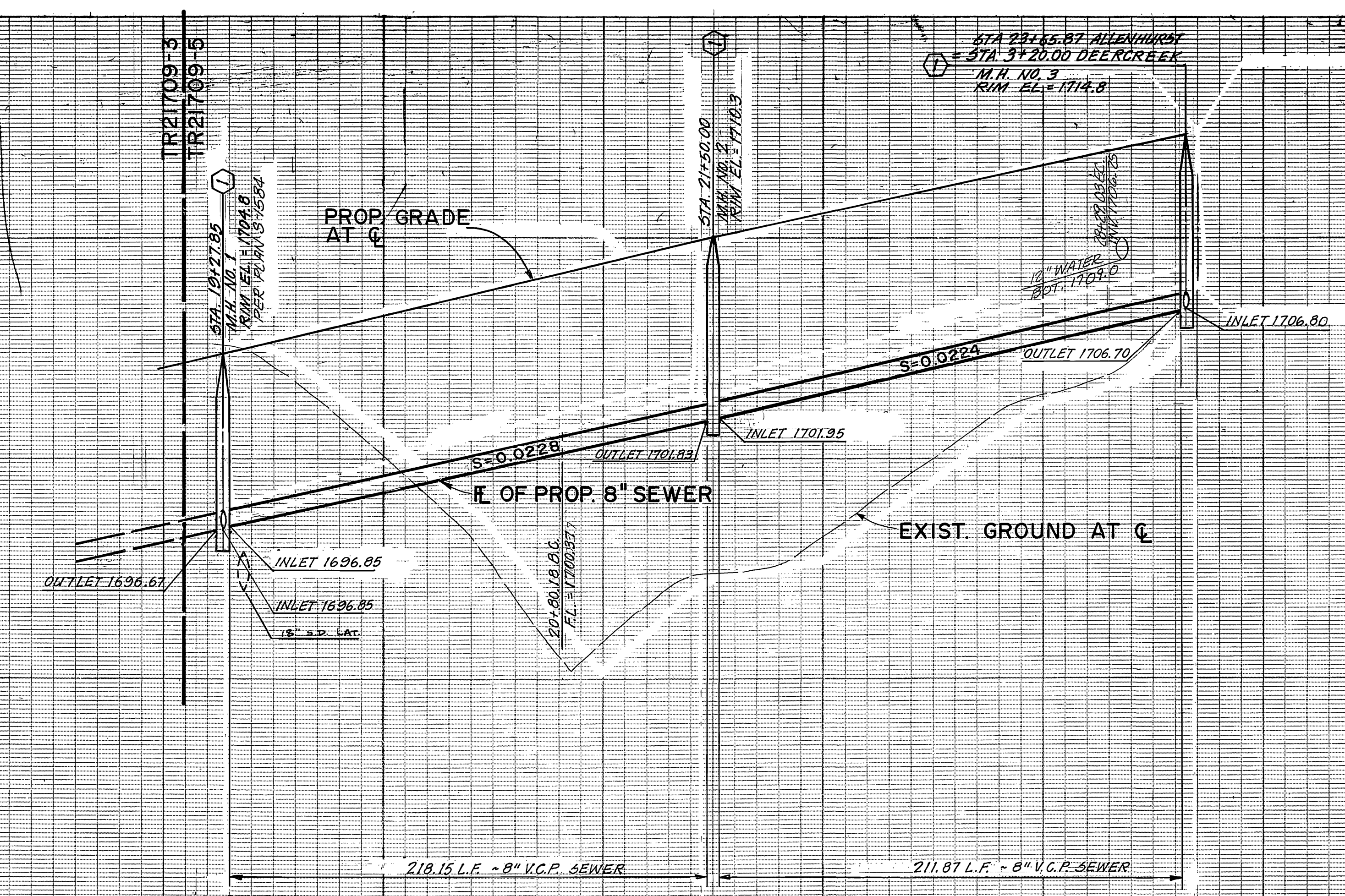
**CITY OF RIVERSIDE**  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: DATE: BY: APPROVED BY:  
 PRINCIPAL ENGINEER: 6/7/90 WJC  
 PARK DEPARTMENT: DATE: BY: APPROVED BY:  
 TRAFFIC DIVISION: DATE: BY: APPROVED BY:  
 CHIEF P.W. ENGINEER: 6-11-90 RMC  
 DATE: 6/3/90

TRACT 21709-5  
 SEWER IMPROVEMENT  
 PLANS  
 TITLE SHEET  
 S-1586  
 OF 7 SHEETS  
 FOR S.I.C. W.O.F.B. FILE NO. 891167

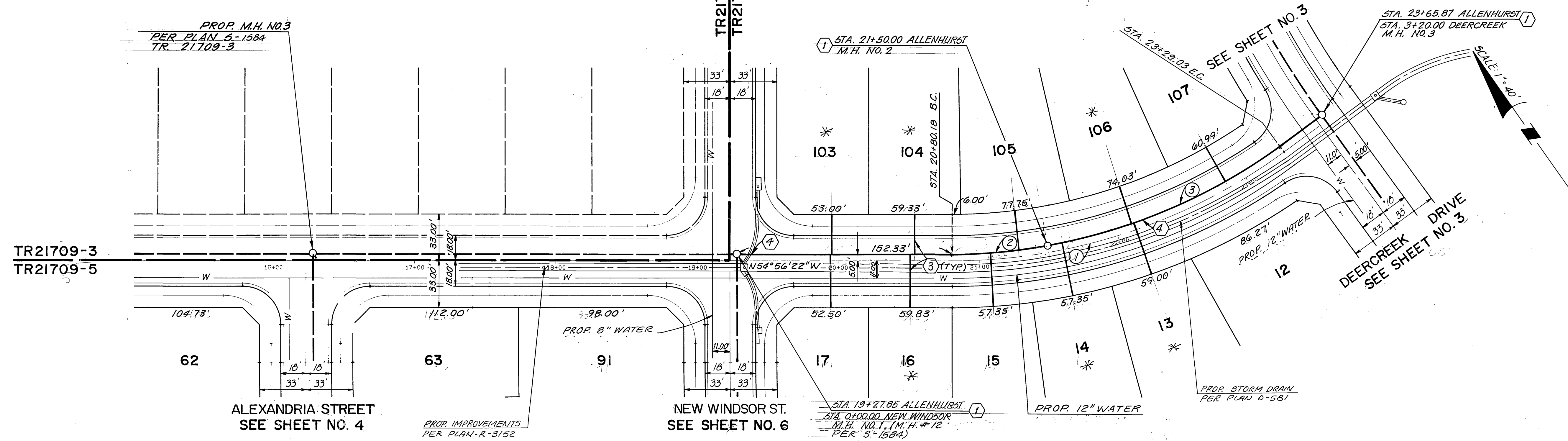


1710  
1705  
1700  
1695  
1690  
1685

1710  
1705  
1700  
1695  
1690  
1685



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



TR21709-3  
TR21709-5

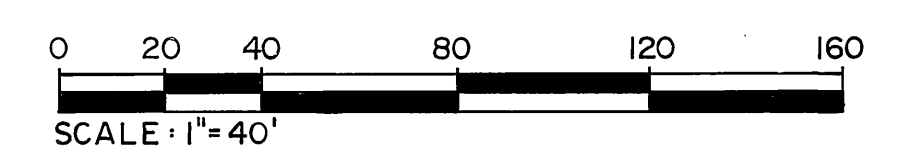


NOTE: SEE SHEET NO. 1 FOR CONSTRUCTION AND GENERAL NOTES.

CURVE DATA				
NO.	Δ	R	L	T
1	36°05'47"	400.00'	252.00'	130.34'
2	10°07'39"	395.00'	69.82'	35.00'
3	25°58'08"	395.00'	179.03'	91.08'

ALLENHURST STREET

\* DENOTES BACKFLOW PREVENTERS REQUIRED



**Underground Service Alert**  
Call: TOLL FREE  
1-800-422-4133  
TWO WORKING DAYS BEFORE YOU DIG.

**PRIVATE ENGINEERING NOTE**  
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PREPARED UNDER THE DIRECTION OF  
*Roger S. Gunther*  
DATE 4/13/90  
APPROVED BY:  
DATE:

**J.F. Davidson Associates, Inc.**  
ENGINEERING PLANNING SURVEYING  
ARCHITECTURE LANDSCAPE ARCHITECTURE  
27349 Jefferson, Suite 115, P.O. Box 340, Rancho California, CA 92390  
(714) 676-7710 FAX 714-699-1981

SCALE AS NOTED  
DATE FEB. 1990

BENCH MARK: V.B. 10-64 ELEV. 1700.670 DATE 1971 BRASS DISK  
"FLUSH" & MARKED V.B. 10-64 0.5 MILE ON VAN BUREN BLVD. FROM CL INT. OF VAN BUREN & WOOD RD. 205' N. OF VAN BUREN @ THE N.E. SIDE OF GRANITE BOULDER ON TOP OF ST. 16.18 BOULDER

ADDED SEWER BACKFLOW PREVENTERS  
REVISIONS  
DESIGNED BY J.P. DRAWN BY J.C./J.P. CHECKED BY J.P.

**CITY OF RIVERSIDE**  
PUBLIC WORKS DEPARTMENT

APPROVED BY: DATE 6/15/90  
PRINCIPAL ENGINEER: J.P.  
TRAFFIC DIVISION: J.P.  
CHIEF P.W. ENGINEER: J.P.

APPROVED BY: DATE 6/15/90  
PUBLIC WORKS DIRECTOR: Barry Paul

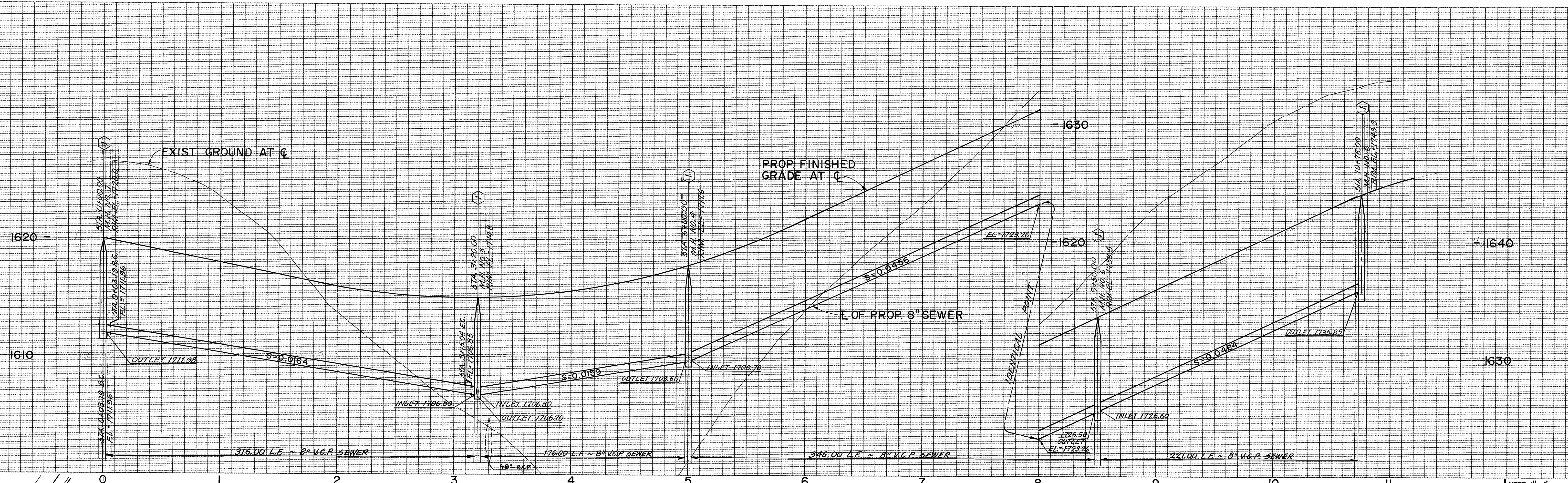
TRACT 21709-5  
SEWER PLAN AND PROFILE  
ALLENHURST STREET  
STA. 19+27.85 TO STA. 23+65.87

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

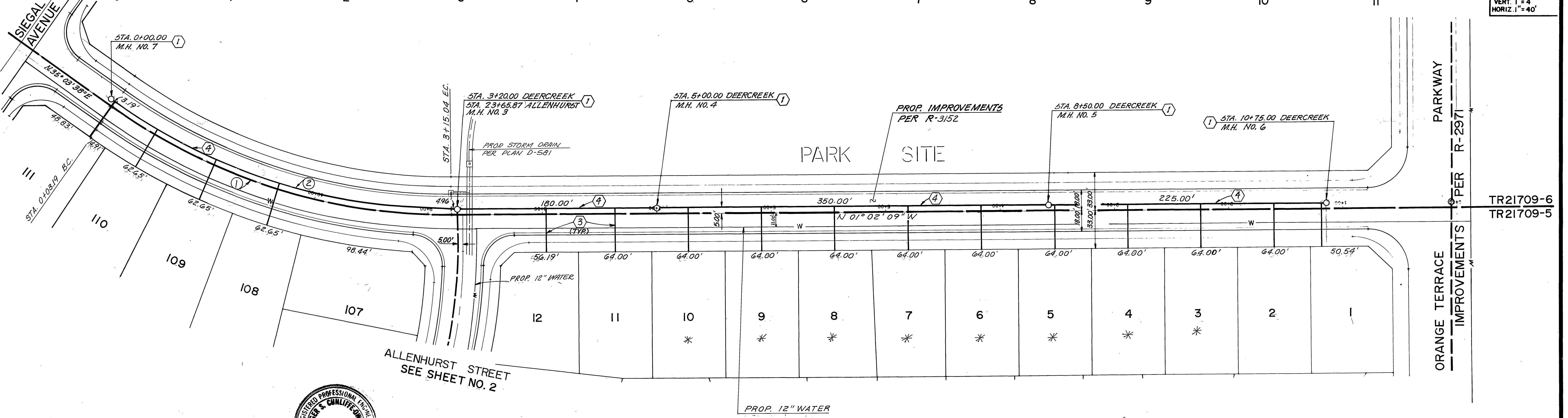
ACCOUNT NO. 8911167  
S-1586  
SHEET 2 OF 7  
S.I.C.

INDEXED 4-9-92 JH





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



CURVE DATA			
NO	A	R	T
1	36° 05' 48"	500.00'	162.93'
2	36° 05' 48"	495.00'	161.30'

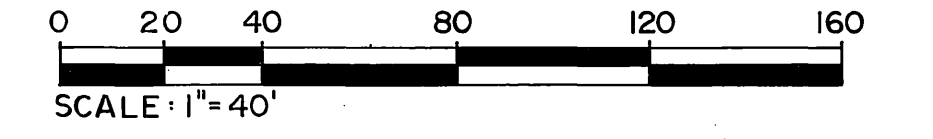


NOTE: SEE SHEET NO. 1 FOR CONSTRUCTION AND GENERAL NOTES.

DEERCREEK DRIVE

\* DENOTES SEWER BACKFLOW PREVENTERS REQUIRED

SCALE: 1" = 40'



**Underground Service Alert**  
 Call: TOLL FREE  
 1-800-422-4133  
 TWO WORKING DAYS BEFORE WORK BEGINS

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PREPARED UNDER THE DIRECTION OF:  
 Robert S. Canfield  
 APPROVED BY:  
 DATE: 4/13/90

**J.F. Davidson Associates, Inc.**  
 ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE  
 27349 Jefferson, Suite 115, P.O. Box 340, Rancho California, CA 92390  
 (714) 676-7710 FAX 714-699-1981

SCALE: AS NOTED  
 DATE: FEB. 1990

BENCH MARK: V.S. 10-64 ELEV. 1700.670 DATE 1971 BRASS DISK FLUSH & MARKED V.S. 10-64 0.6 MILE ON VAN BUREN BLVD. FROM CL INT. OF VAN BUREN & WOOD RD., 205' S.W. CORNER OF THE N.E. CORNER OF GRANITE BOULDER.

DESIGNED BY: T.P.  
 DRAWN BY: J.W.P.  
 CHECKED BY: T.P.

**CITY OF RIVERSIDE**  
 PUBLIC WORKS DEPARTMENT

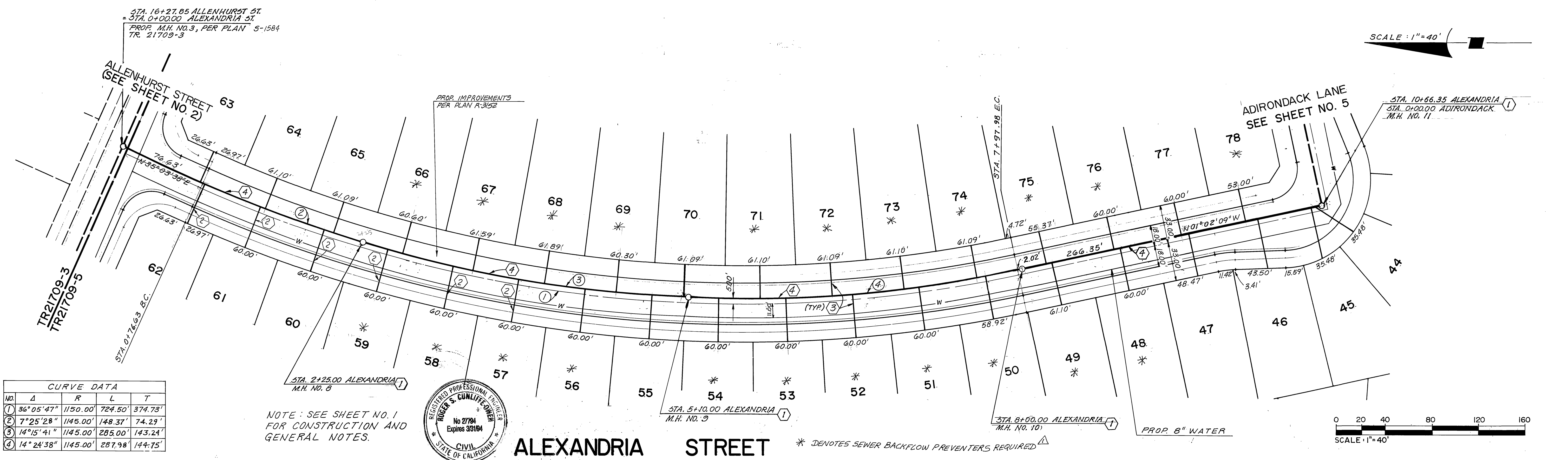
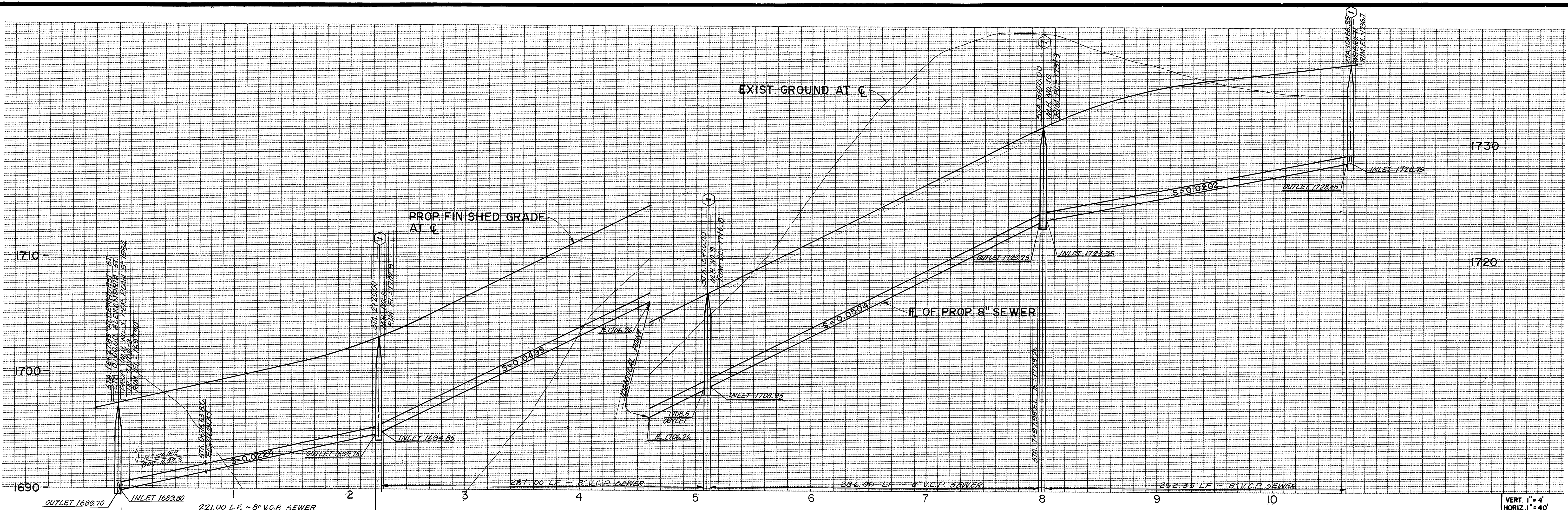
APPROVED BY: [Signature]  
 DATE: 6/15/90

PRINCIPAL ENGINEER: [Signature]  
 PARK DEPARTMENT: [Signature]  
 TRAFFIC DIVISION: [Signature]  
 CHIEF P.W. ENGINEER: [Signature]

TRACT 21709-5  
 SEWER PLAN AND PROFILE  
 DEERCREEK DRIVE  
 STA. 0+00.00 TO STA. 10+75.00

ACCOUNT NO. 8911167  
 S-1586  
 SHEET 3 OF 7  
 S.I.C.





CURVE DATA

NO.	Δ	R	L	T
1	36° 05' 47"	1150.00'	724.50'	374.73'
2	7° 25' 28"	1145.00'	148.37'	74.29'
3	14° 15' 41"	1145.00'	285.00'	143.24'
4	14° 24' 38"	1145.00'	287.98'	144.75'



**Underground Service Alert**

Call: TOLL FREE

1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG

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PREPARED UNDER THE DIRECTION OF:

*Roger S. Culliford*

DATE: 4/13/90

APPROVED BY:

DATE:

**J.F. Davidson Associates, Inc.**

ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE

27349 Jefferson, Suite 115, P.O. Box 340, Rancho California, CA 92390

(714) 676-7710 FAX 714-699-1981

SCALE: AS NOTED

DATE: FEB 1990

BENCH MARK: V.B. 10-64 ELEV 1700.670 DATE 1971 BRASS DISK FLUSH & MARKED V.B. 10-64 0.6 MILE ON VAN BUREN BLVD. FROM CL INT. OF VAN BUREN & WOOD RD, 205' N. OF VAN BUREN & THE N.E. SIDE OF GRANITE BOULDER ON TOP OF 12" DIA. BOLLARD.

DESIGNED BY: J.P. DRAWN BY: J.C.P. CHECKED BY: J.P.

ADDED SEWER BACKFLOW PREVENTERS

REVISIONS

APPR. DATE

**CITY OF RIVERSIDE**

PUBLIC WORKS DEPARTMENT

APPROVED BY: DATE: 6/15/90

PRINCIPAL ENGINEER: [Signature]

PARK DEPARTMENT

TRAFFIC DIVISION

CHIEF P.W. ENGINEER: [Signature]

DATE: 6/15/90

TRACT 21709-5

SEWER PLAN AND PROFILE

ALEXANDRIA STREET

STA. 0+00.00 TO STA. 10+66.35

HORIZ. SCALE: 1" = 40'

VERT. SCALE: 1" = 4'

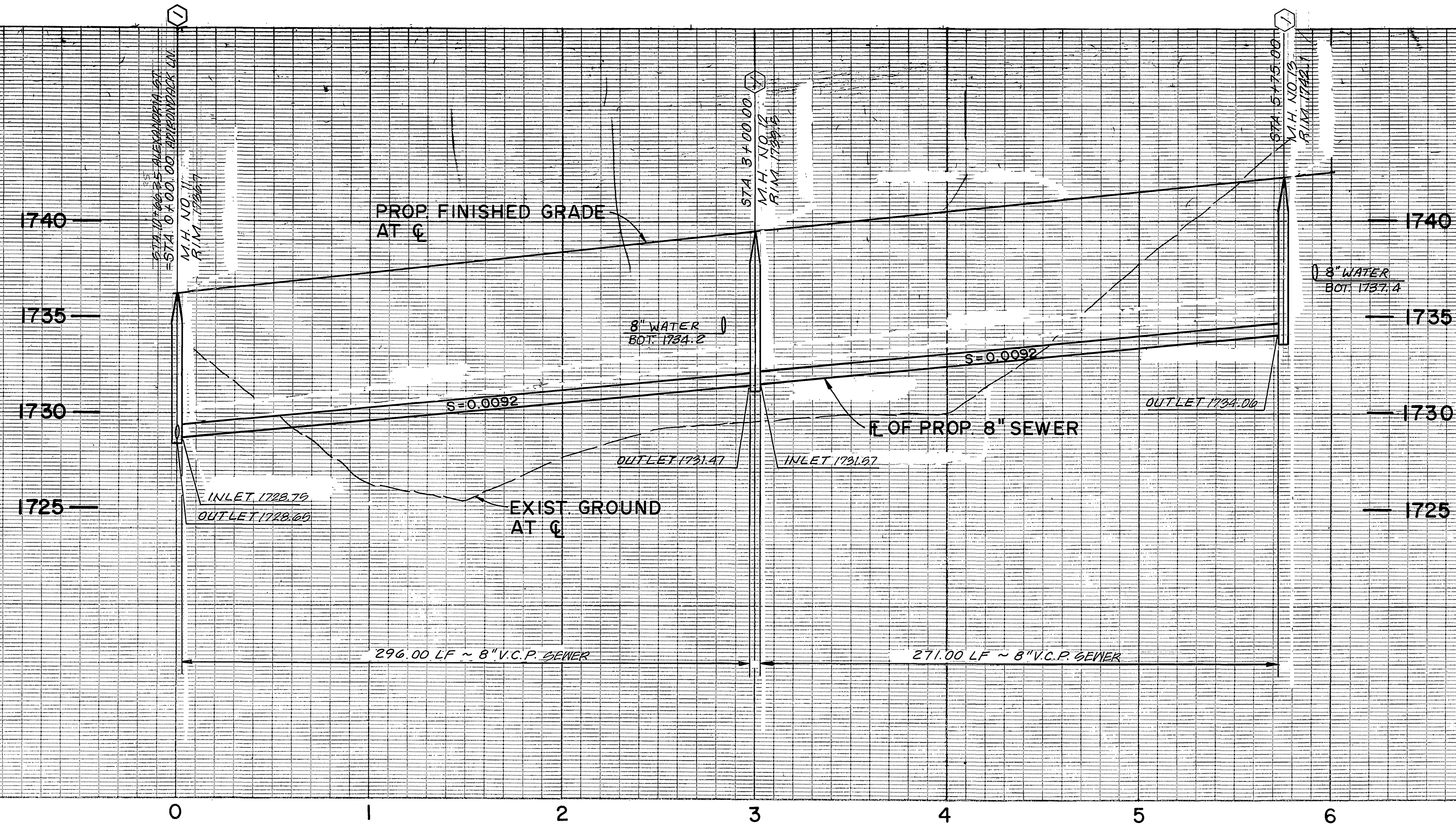
ACCOUNT NO. 8911167

S-1586

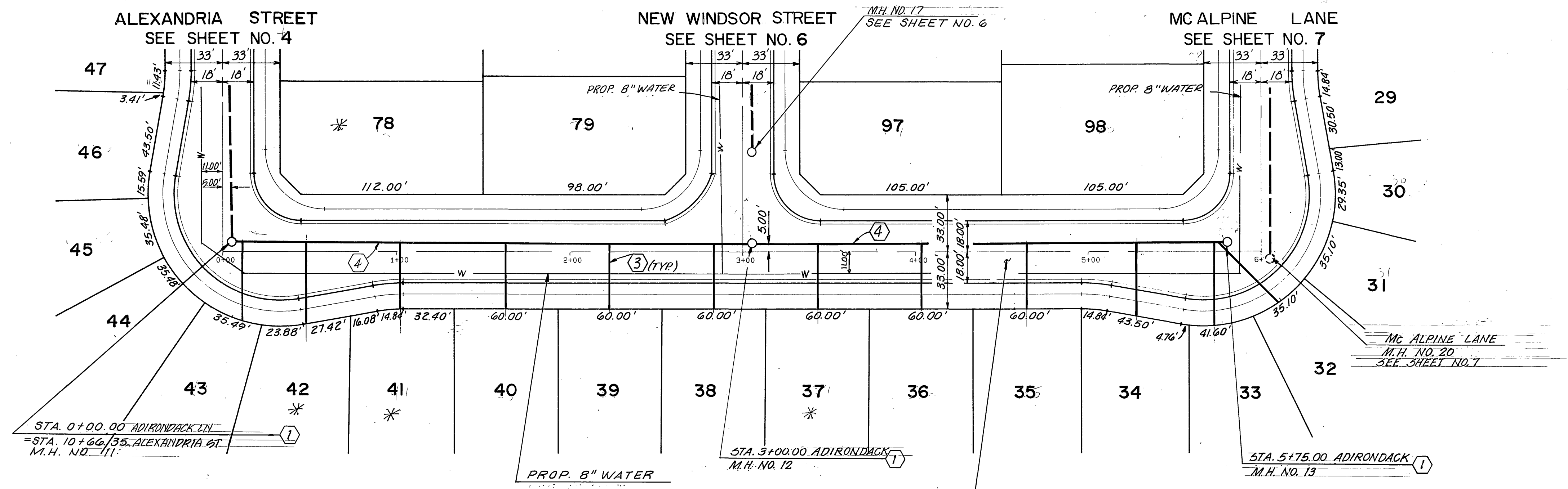
SHEET 4 OF 7

S.I.C.





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



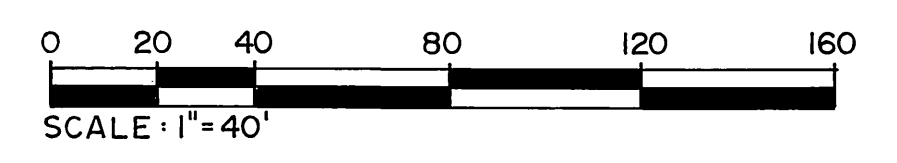
SCALE: 1" = 40'

NOTE: SEE SHEET NO. 1 FOR CONSTRUCTION AND GENERAL NOTES.



ADIRONDACK LANE

\* DENOTES SEWER BACKFLOW PREVENTERS REQUIRED



**Underground Service Alert**  
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1-800-422-4133  
TWO WORKING DAYS BEFORE YOU DIG.

**PRIVATE ENGINEERING NOTE**  
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.

PREPARED UNDER THE DIRECTION OF:  
*Roger S. Culliff*  
DATE: 4/13/90  
APPROVED BY:  
DATE:

**J.F. Davidson Associates, Inc.**  
ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE  
27340 Jefferson, Suite 115, P.O. Box 340, Rancho California, CA 92390  
(714) 676-7710 FAX 714-699-1981

SCALE: AS NOTED  
BENCH MARK: V.B. 10-64 ELEV. 1700.670 DATE 1971 BRASS DISK FLUSH & MARKED V.B. 10-64 0.6 M.I.E. ON VAN BUREN BLVD. FROM C.I. INT. OF VAN BUREN & WOOD RD. 205' N. OF VAN BUREN & THE N.E. SIDE OF GRANITE BOULDER ON TOP OF 92' 15 1/2' B. BOULDER.

DATE: FEB. 1990

DESIGNED BY: T.P. DRAWN BY: J.C.P. CHECKED BY: T.P.  
ADDED SEWER BACKFLOW PREVENTERS  
REVISIONS:

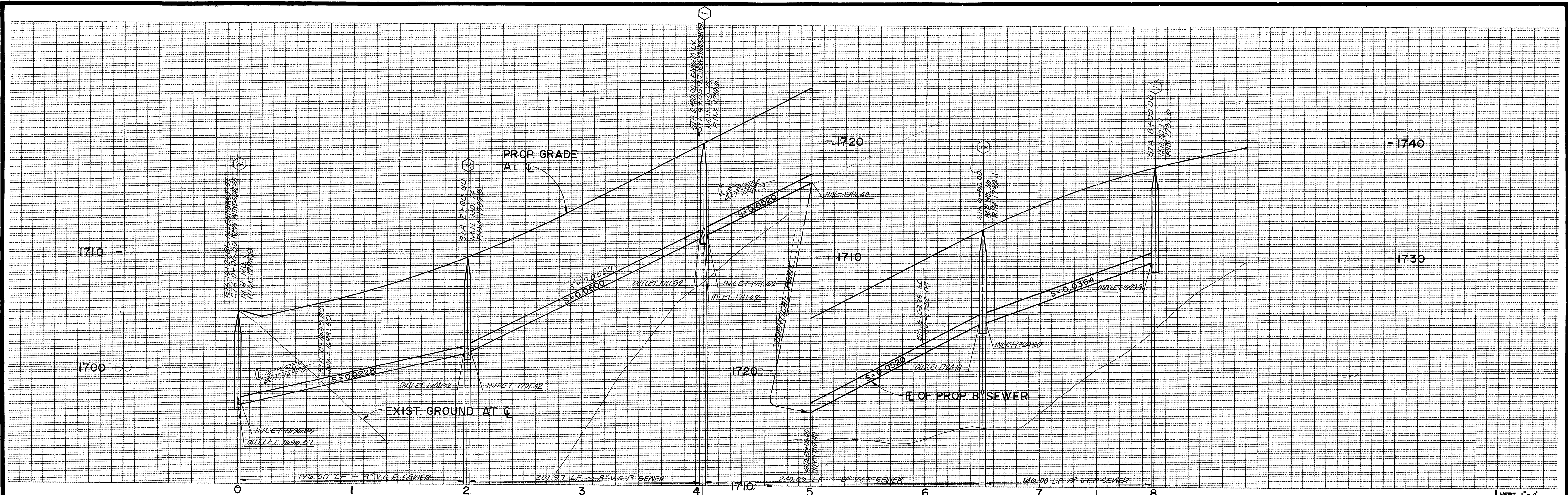
**CITY OF RIVERSIDE**  
PUBLIC WORKS DEPARTMENT

APPROVED BY: DATE: 6/15/90 BY: *[Signature]*  
PRINCIPAL ENGINEER  
PARK DEPARTMENT  
TRAFFIC DIVISION  
CHIEF P.W. ENGINEER  
DATE: 6-15-90

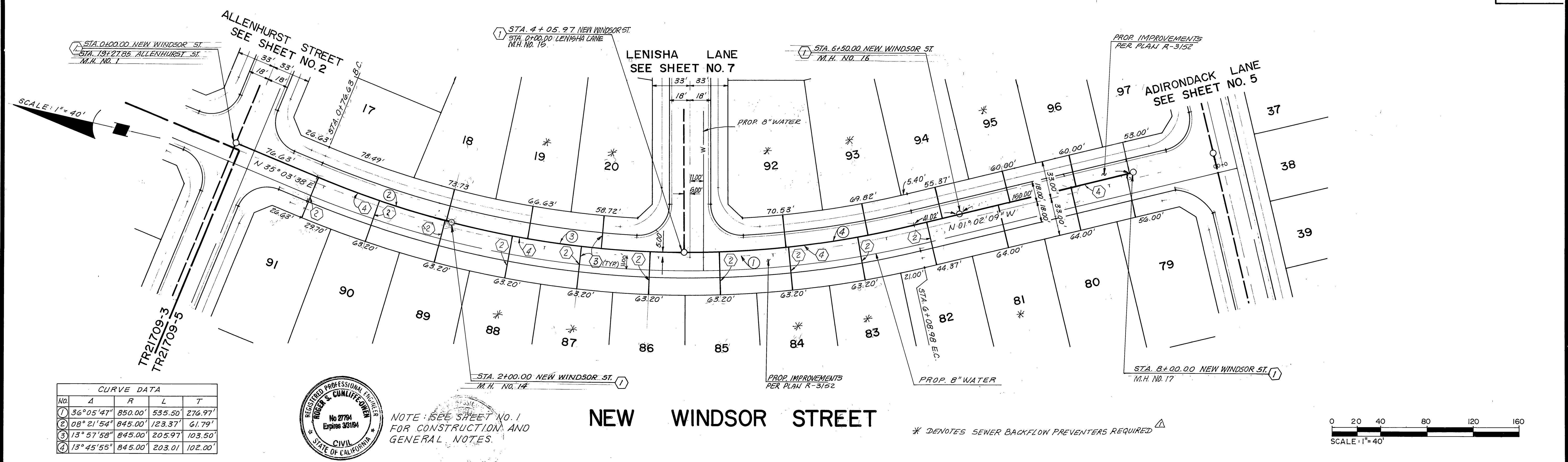
TRACT 21709-5  
SEWER PLAN AND PROFILE  
ADIRONDACK LANE  
STA. 0+00.00 TO STA. 5+75.00  
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACCOUNT NO. 8911167  
S-1586  
SHEET 5 OF 7  
S.I.C.  
INDEXED 4-9-92 LFI





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



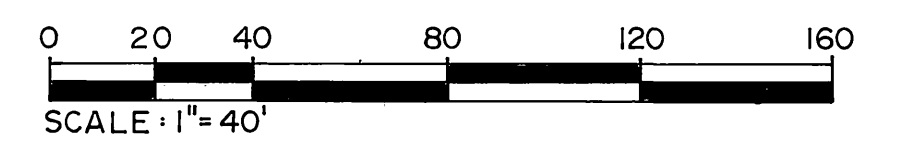
CURVE DATA			
No.	Δ	R	T
1	36° 05' 47"	850.00'	276.97'
2	08° 21' 54"	845.00'	61.79'
3	13° 57' 58"	845.00'	103.50'
4	13° 45' 55"	845.00'	102.00'



NOTE: SEE SHEET NO. 1 FOR CONSTRUCTION AND GENERAL NOTES.

**NEW WINDSOR STREET**

\* DENOTES SEWER BACKFLOW PREVENTERS REQUIRED



**Underground Service Alert**  
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1-800-422-4133

**PRIVATE ENGINEERING NOTE**  
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERAL ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR SHALL 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.

PREPARED UNDER THE DIRECTION OF:  
*Roger S. Cufford*  
DATE: 4/13/90  
APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

**J.F. Davidson Associates, Inc.**  
ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE  
27349 Jefferson, Suite 115, P.O. Box 340, Rancho California, CA 92390  
(714) 676-7710 FAX 714-699-1961

SCALE: AS NOTED  
DATE: FEB. 1990  
BENCH MARK: V.B. 10-64 ELEV. 1700.670 DATE 1971 BRASS DISK FLUSH & MARKED V.B. 10-64 0.6 MILE ON VAN BUREN BLVD. FROM CL INT. OF VAN BUREN & WOOD RD. 205' N. OF VAN BUREN & THE N.E. SIDE OF GRANITE BOULDER ON TOP OF ST. 16.18 BOUNDARY

MARK	REVISIONS	APPR. DATE
▲	ADDED SEWER BACKFLOW PREVENTERS	

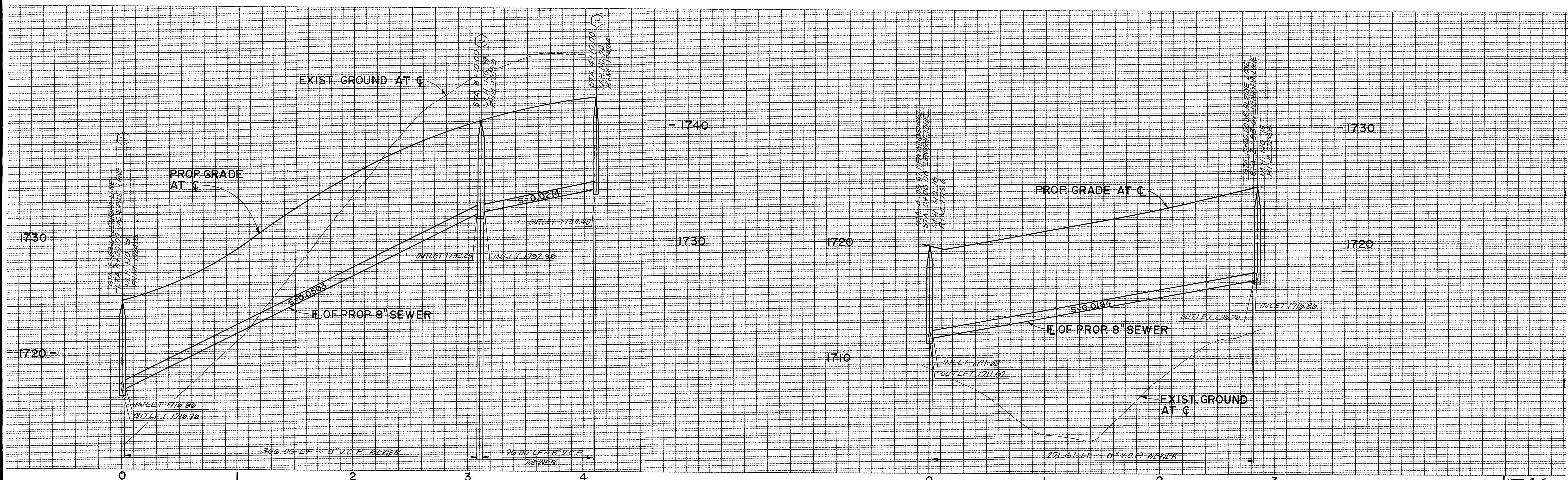
**CITY OF RIVERSIDE**  
PUBLIC WORKS DEPARTMENT

APPROVED BY: \_\_\_\_\_ DATE: 6/17/93 BY: *DJK*  
PRINCIPAL ENGINEER  
PARK DEPARTMENT  
TRAFFIC DIVISION  
CHIEF P.W. ENGINEER  
DATE: 6/15/90

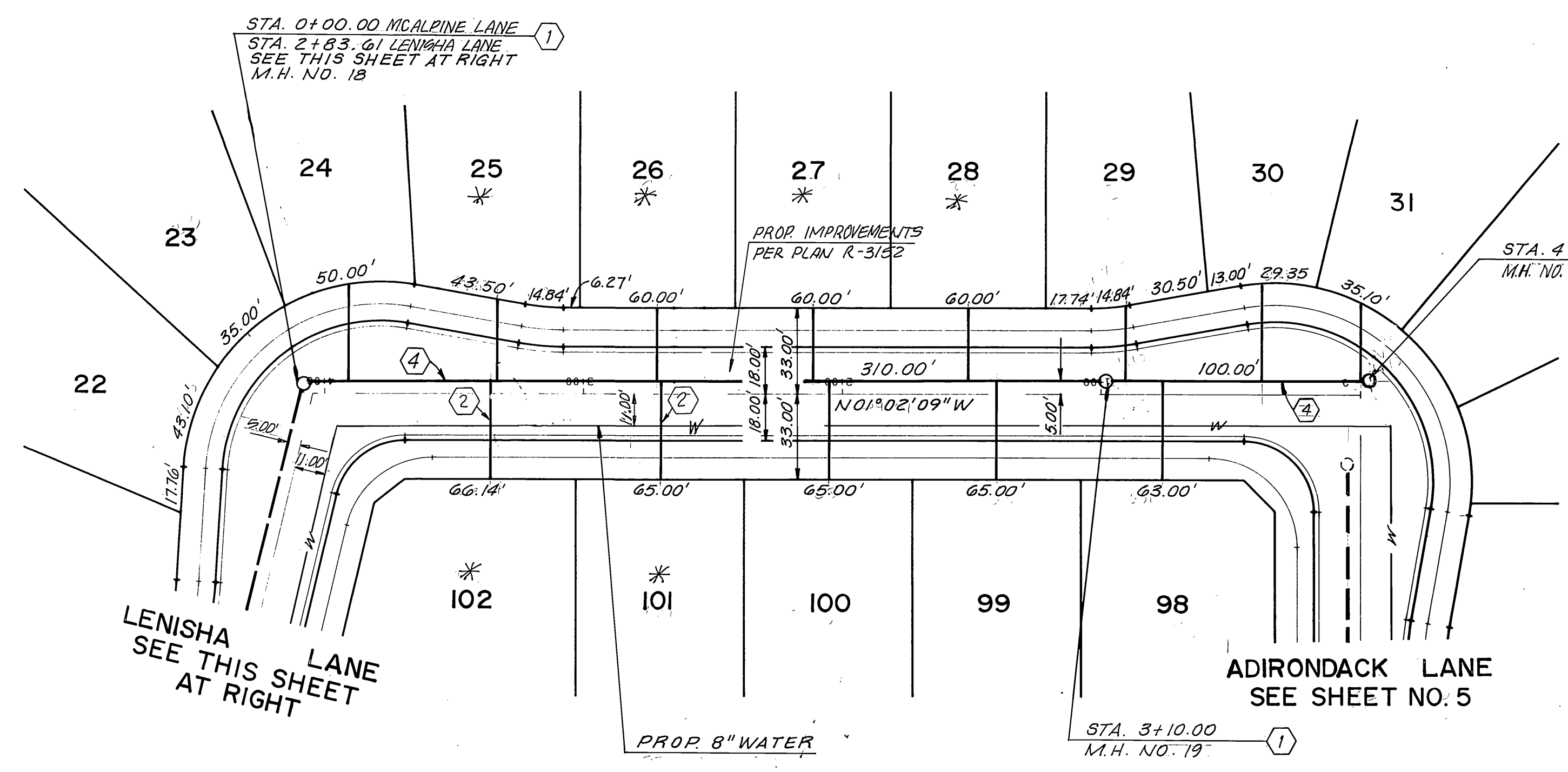
TRACT 21709-5  
SEWER PLAN AND PROFILE  
NEW WINDSOR STREET  
STA. 0+00.00 TO STA. 8+00.00  
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACCOUNT NO. 891167  
S-1586  
SHEET 6 OF 7  
S.I.C.

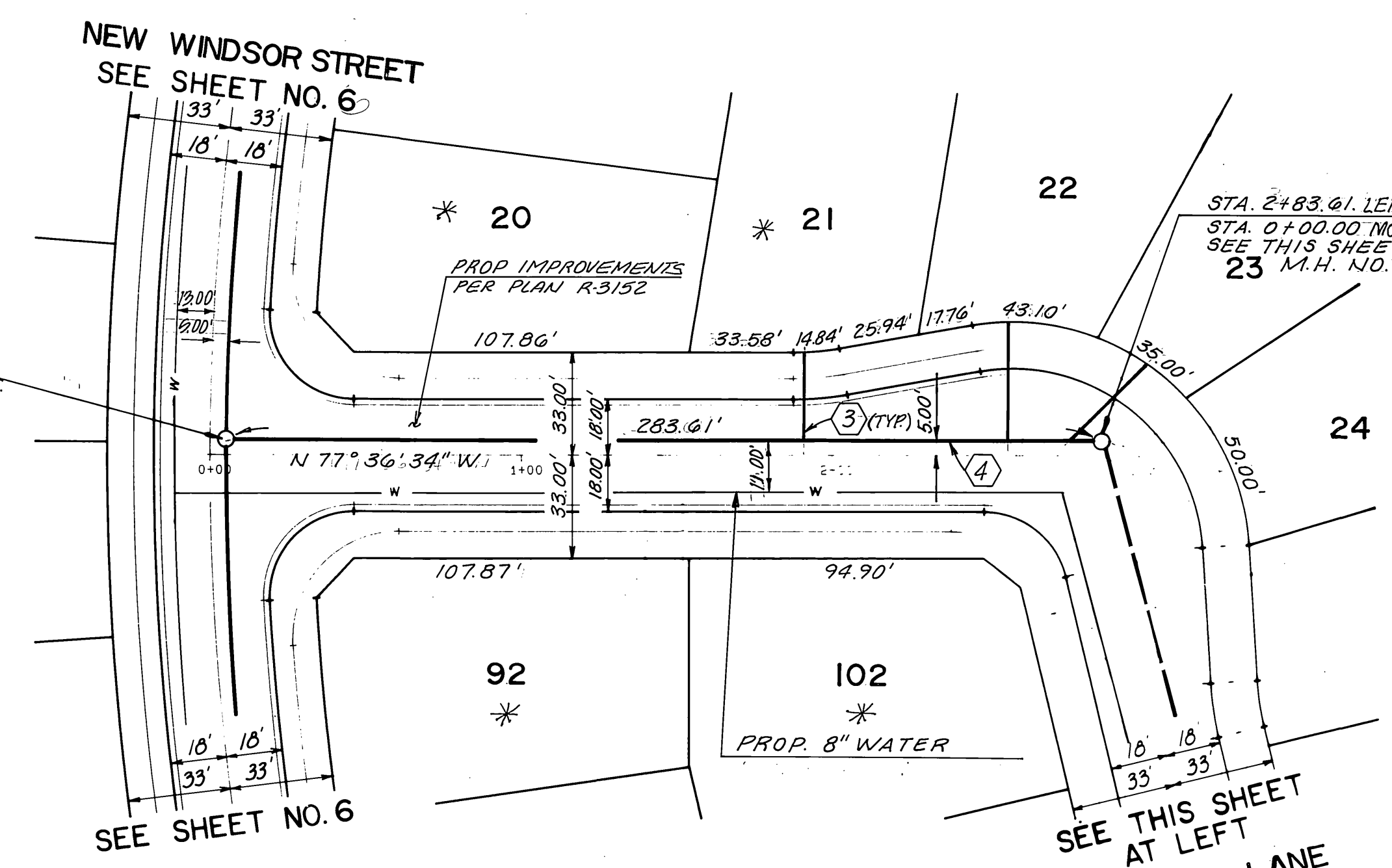




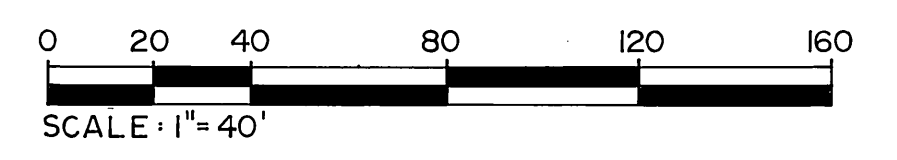
VERT. 1" = 4'  
HORIZ. 1" = 40'



SCALE: 1" = 40'



\* DENOTES SEWER BACKFLOW PREVENTERS REQUIRED



**MC ALPINE LANE**

NOTE: SEE SHEET NO. 1 FOR CONSTRUCTION AND GENERAL NOTES.



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Call: TOLL FREE  
1-800-422-4133  
TWO WORKING DAYS BEFORE YOU DIG

**PRIVATE ENGINEERING NOTE**  
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERAL 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 AGREEMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO OBTAIN NECESSARY 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.

PREPARED UNDER THE DIRECTION OF:  
*Robert S. Culliff*  
DATE: 4/13/90  
APPROVED BY:  
DATE: \_\_\_\_\_

**J.F. Davidson Associates, Inc.**  
ENGINEERING PLANNING SURVEYING  
ARCHITECTURE LANDSCAPE ARCHITECTURE  
27349 Jefferson, Suite 115, P.O. Box 340, Rancho California, CA 92380  
(714) 676-7710 FAX 714-699-1961

SCALE: AS NOTED  
DATE: FEB 1990  
BENCH MARK: V.B. 10-64 ELEV. 1700.670 DATE 1971 BRASS DISK FLUSH & MARKED V.B. 10-64 0.6 M.I.E. ON VAN BUREN BLVD. FROM C.L. INT. OF VAN BUREN & WOOD RD. 205' N. OF VAN BUREN & THE N.E. SIDE OF GRANITE BOULDER. ON TOP OF GRANITE BOULDER.

DESIGNED BY: T.P. DRAWN BY: J.C.P. CHECKED BY: T.P.  
DATE: \_\_\_\_\_

**CITY OF RIVERSIDE**  
PUBLIC WORKS DEPARTMENT

APPROVED BY: *Barry Bell*  
DATE: 6/15/90  
PRINCIPAL ENGINEER: *Barry Bell*  
TRAFFIC DIVISION: *C-14-90 R/16*  
CHIEF P.W. ENGINEER

TRACT 21709-5  
SEWER PLAN AND PROFILE  
MC ALPINE LANE & LENISHA LANE  
STA. 0+00.00 TO STA. 4+10.00  
STA. 0+00.00 TO STA. 2+83.61  
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACCOUNT NO. 8911167  
S-1586  
SHEET 7 OF 7  
S.I.C.