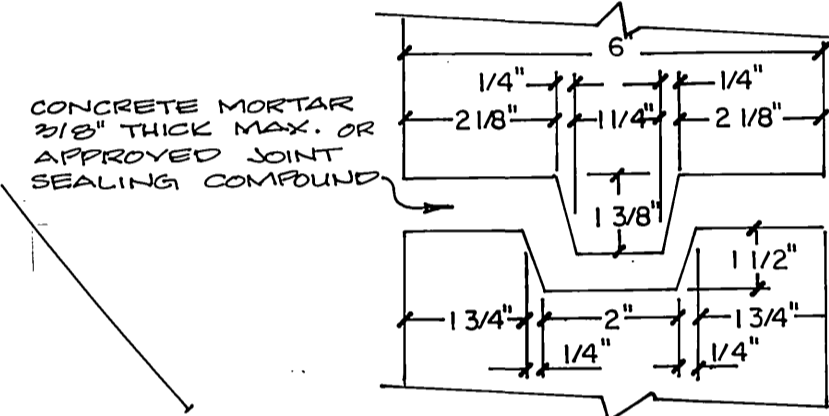
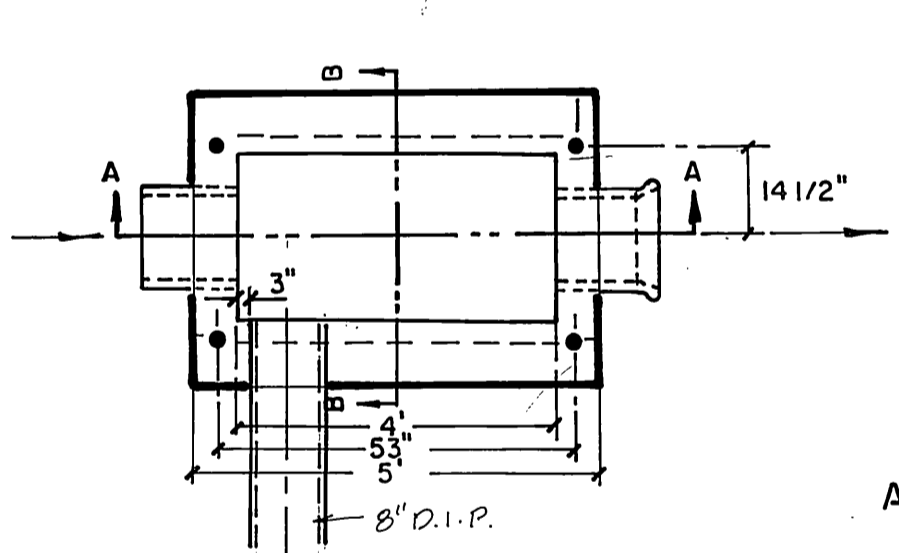


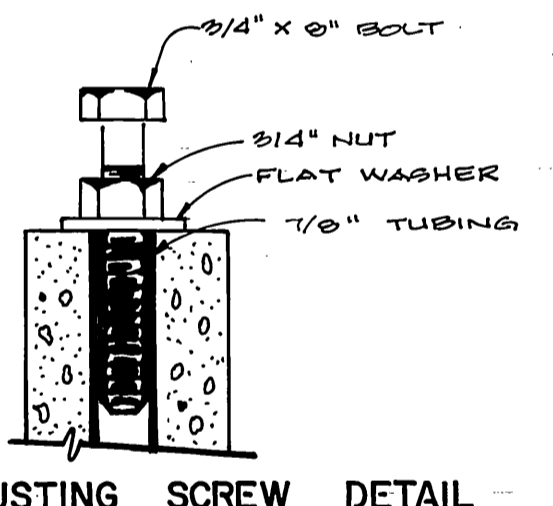
SCALE: 1" = 100'



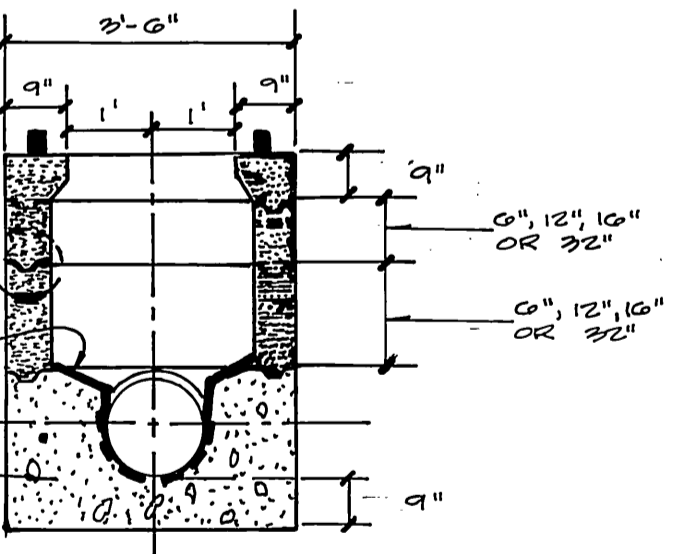
JOINT DETAIL



SECTION A-A



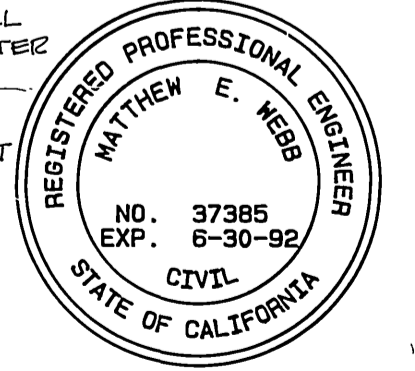
ADJUSTING SCREW DETAIL



SECTION B-B

SHALLOW MANHOLE DETAIL "A" NOT TO SCALE

- NOTES:
- CONCRETE FOR ALL PRECAST UNITS SHALL BE THOROUGHLY VIBRATED IN FORMS. IT SHALL BE CURED ACCORDING TO APPROVED PRACTICE EITHER BY STEAM, SPRINKLING, MEMBRANE SOLUTION, OR ALL OF THESE. IT SHALL DEVELOP 3600 PSI OR GREATER IN 28 DAYS.
 - ALL FIELD POURED CONCRETE TO BE CLASS "A" AND ALLOWED TO SET 24 HOURS BEFORE PLACING PRECAST UNITS.
 - ALL PRECAST UNITS SHALL BE REINFORCED FOR 4-20 BRIDGE LOADINGS.



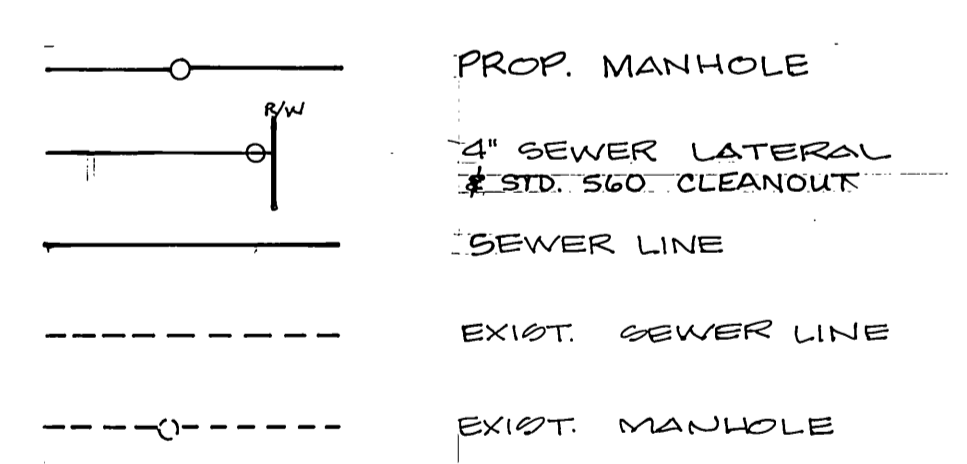
GENERAL NOTES

- 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, STANDARD DRAWING NO. 10 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 PLANS FOR APPROVAL BY THE CITY.
- 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.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- THE CONTRACTOR SHALL CALL IN A LOCATION 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 OF U.S.A.
- CONTRACTOR IS TO VERIFY EXISTING SEWER LOCATION AND ELEVATION PRIOR TO START OF CONSTRUCTION.
- LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
- NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 4' ABOVE THE SEWER FLOW LINE AT POINT OF CONNECTION 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 COMPLETED.

NOTICE TO CONTRACTOR

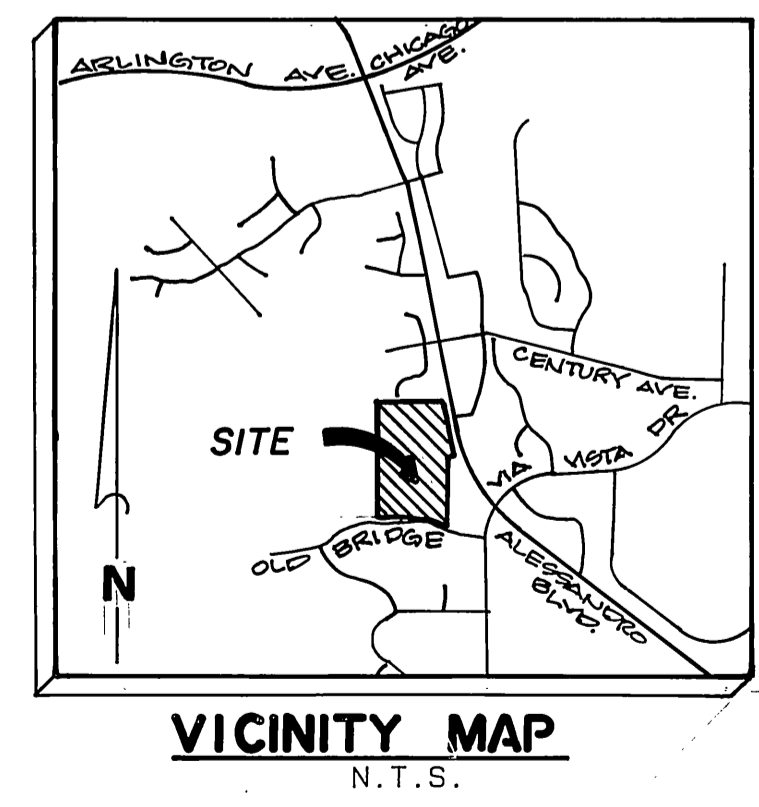
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS.
- THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES 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.

SEWER LEGEND



8" D.I.P. SHALL BE CLASS 50. BEDDING FOR 8" D.I.P. (WHEN DEPTH OF COVER IS LESS THAN 2.5') SHALL BE CASE IV PER STD. 452 EXCEPT THAT BEDDING MATERIAL SHALL BE 2 BACK SLURRY. LIMITS OF THIS SPECIAL BEDDING CONDITION IS SHOWN ON THE PROFILE.

BENCH MARK 67-C
FD. PK. NAIL IN SE'LY CB. RET. AT ALESSANDRO BLVD. AND CHICAGO AVE.
ELEVATION: 1136.542



CITY OF RIVERSIDE WATER SYSTEM
APPROVED: Richard J. Dredel 9-27-91
DATE

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
3788 McCRACKEN ST.
RIVERSIDE, CALIFORNIA
(714) 886-1020
APPROVED BY: Matthew E. Webb DATE: 11/19/90
R.E. No. 37385
W.O. 8A-201 FOR PACIFIC SCENE F.B.

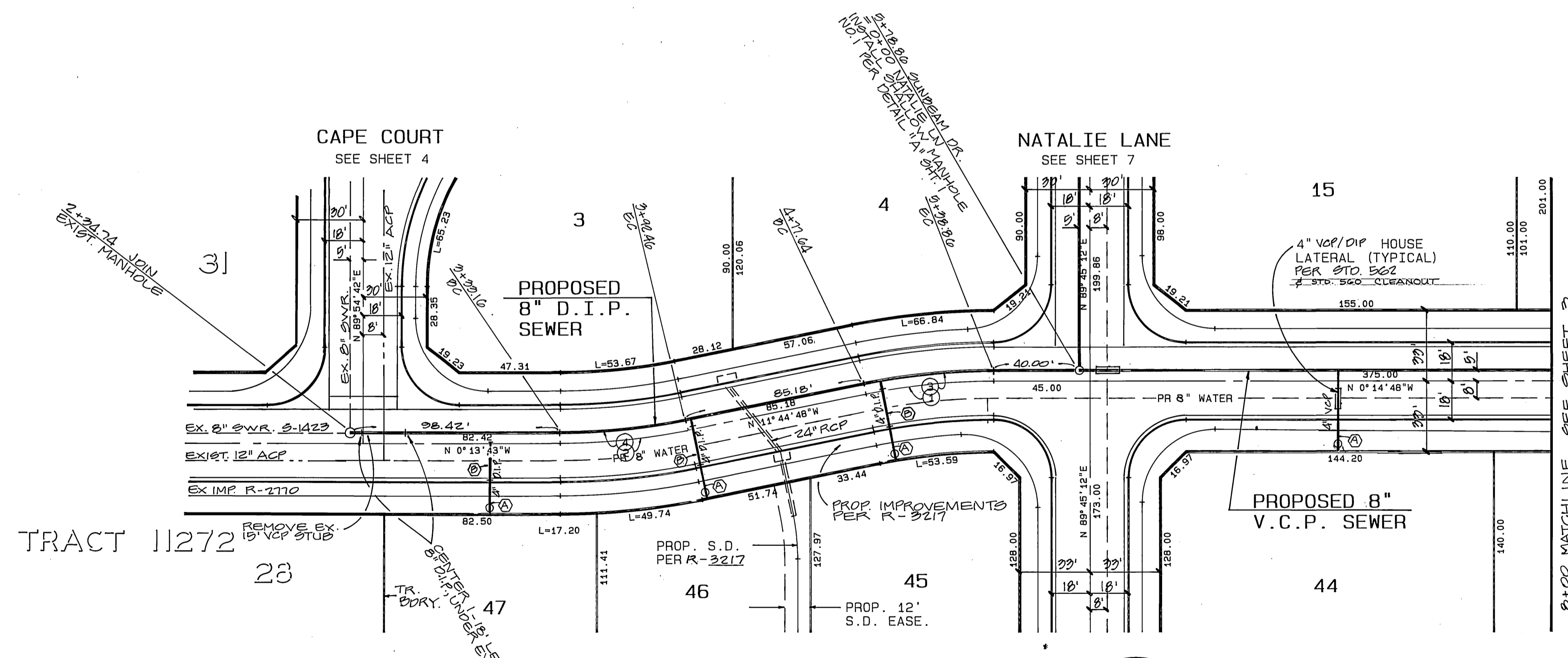
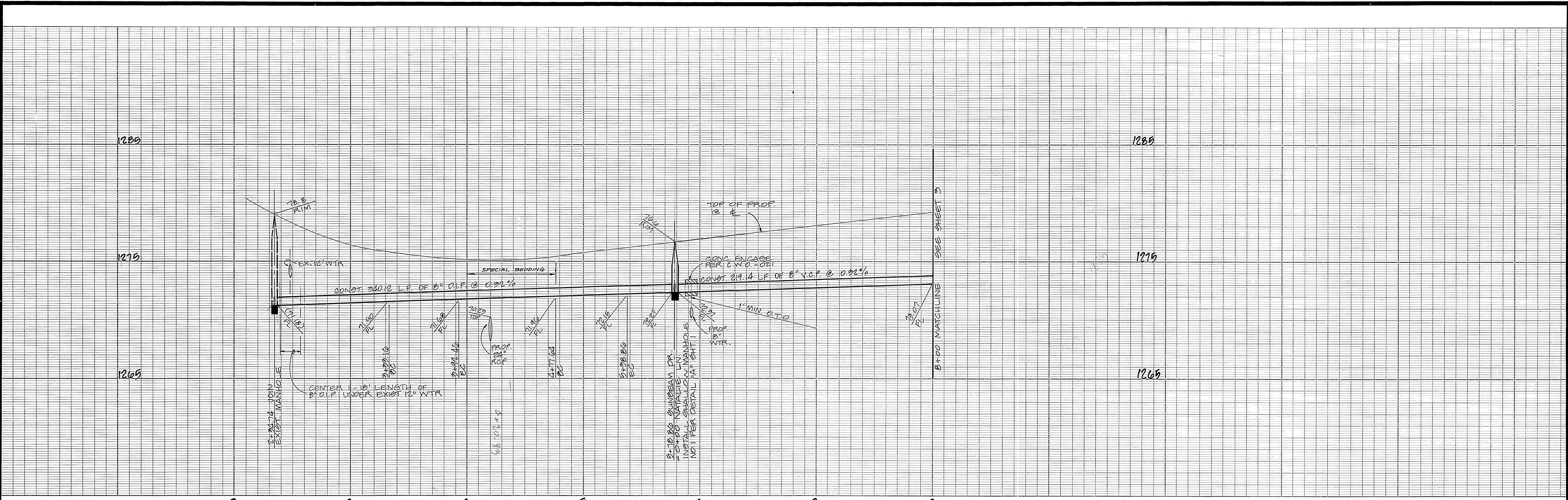
MARK	REVISIONS	APPR	DATE
DESIGNED BY ASG	DRAWN BY Z	CHECKED BY MEV	

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature] DATE: 10/18/91
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF PUB. WKS. ENGR.

SEWER PLAN & PROFILE
TRACT NO. 25390
INDEX SHEET
SCALE: 1"=100'



ACCOUNT NO.
DRAWING NUMBER
S-1615
SHEET 1 OF 7
89-301-B



SCALE: 1" = 40'

- ⊙ INDICATES 4" HOUSE LATERAL TO BE LAYED FLAT AT 2% PER STD. 562
- ⊙ INDICATES CENTER 1-10' LENGTH OF 4" D.I.P. OVER PROP. 8" WTR.



INDICATED SEWER LATERAL OR SEWERMAIN TO BE ENCASED PER C.W.O. 021

INDICATES 4" V.C.P. HOUSE LATERAL PER STD. 562

SEE SHEET 1 FOR GENERAL AND CONSTRUCTION NOTES

BENCH MARK 67-C
 FD. P.K. NAIL IN SE'LY COR. RET. AT ALESSANDRO BLVD. AND CHICAGO AVE.
 ELEVATION: 1136.542

CURVE DATA

Δ	DELTA	RADIUS	LENGTH	TANGENT
1	11° 30' 00"	300.00	60.21	30.21
2	11° 31' 05"	300.00	60.31	30.26
3	11° 30' 00"	305.00	61.22	30.71
4	11° 31' 05"	295.00	59.30	29.75

CITY OF RIVERSIDE WATER SYSTEM
 Richard J. Dadek 9-27-91
 APPROVED DATE

ALBERT A. WEBB ASSOCIATES
 CIVIL ENGINEERS
 RIVERSIDE, CALIFORNIA
 APPROVED BY Matthew E. Webb DATE 3/21/91
 R.E. No. 37385
 W.O. 89-301 FOR PACIFIC SCENE F.B. 1089

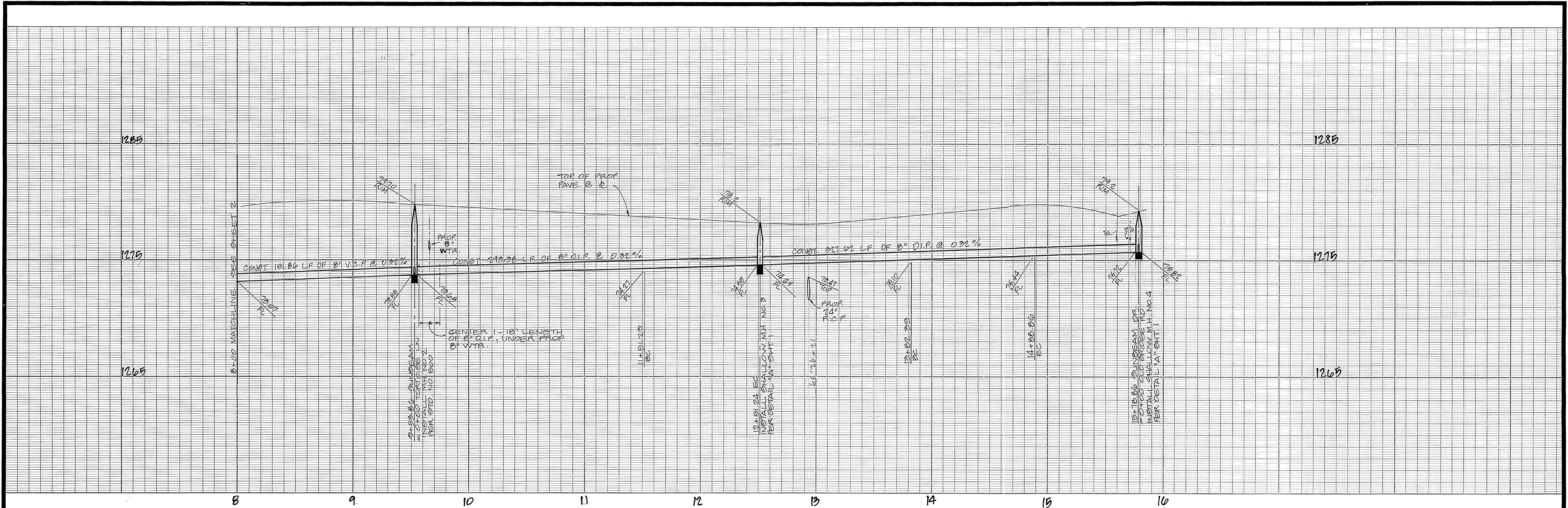
MARK	REVISIONS	APPR. DATE

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY [Signature] DATE 12/18/91
 CHIEF PUB. WKS. ENGR. [Signature]

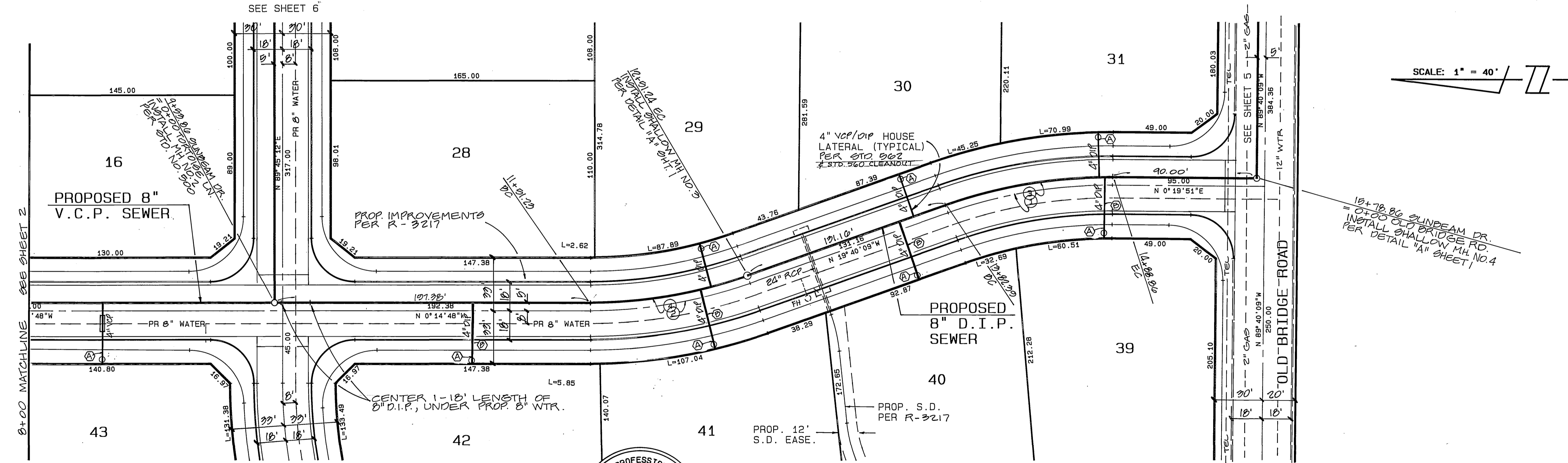
SEWER PLAN & PROFILE
 TRACT NO. 25390
 SUNBEAM DRIVE
 STA. 2+34.74 TO STA. 8+00
 SCALE: HORIZ. 1" = 40' VERT. 1" = 4'



ACCOUNT NO.
 DRAWING NUMBER
S-1615
 SHEET 2 OF 7
 89-301 D

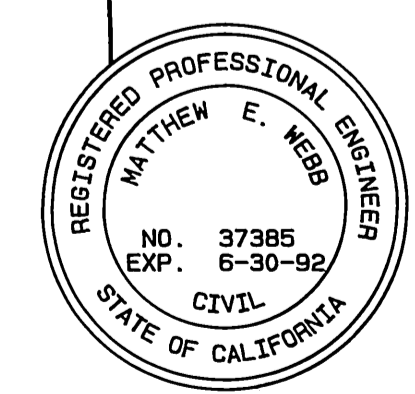


APOSTLE LANE



SCALE: 1" = 40'

- ⊙ INDICATES 4" HOUSE LATERAL TO BE LAYED FLAT AT 2% PER STD. 562
- ⊙ INDICATES CENTER 1'-10" LENGTH OF 4" D.I.P. OVER/UNDER PROP. 8" WTR



SEE SHEET 1 FOR GENERAL AND CONSTRUCTION NOTES

BENCH MARK 67-C
 FD. P.K. NAIL IN SE'LY CB. RET.
 AT ALESSANDRO BLVD. AND CHICAGO
 AVE.
 ELEVATION : 1136.542

CURVE DATA				
Δ	DELTA	RADIUS	LENGTH	TANGENT
1	20° 00' 00"	300.00	104.72	52.90
2	19° 25' 21"	300.00	101.70	51.34
3	20° 00' 00"	305.00	106.47	53.78
4	19° 25' 21"	295.00	100.00	50.48

CITY OF RIVERSIDE
 WATER SYSTEM
 Richard J. Dinkel APPROVED 9-27-91
 DATE

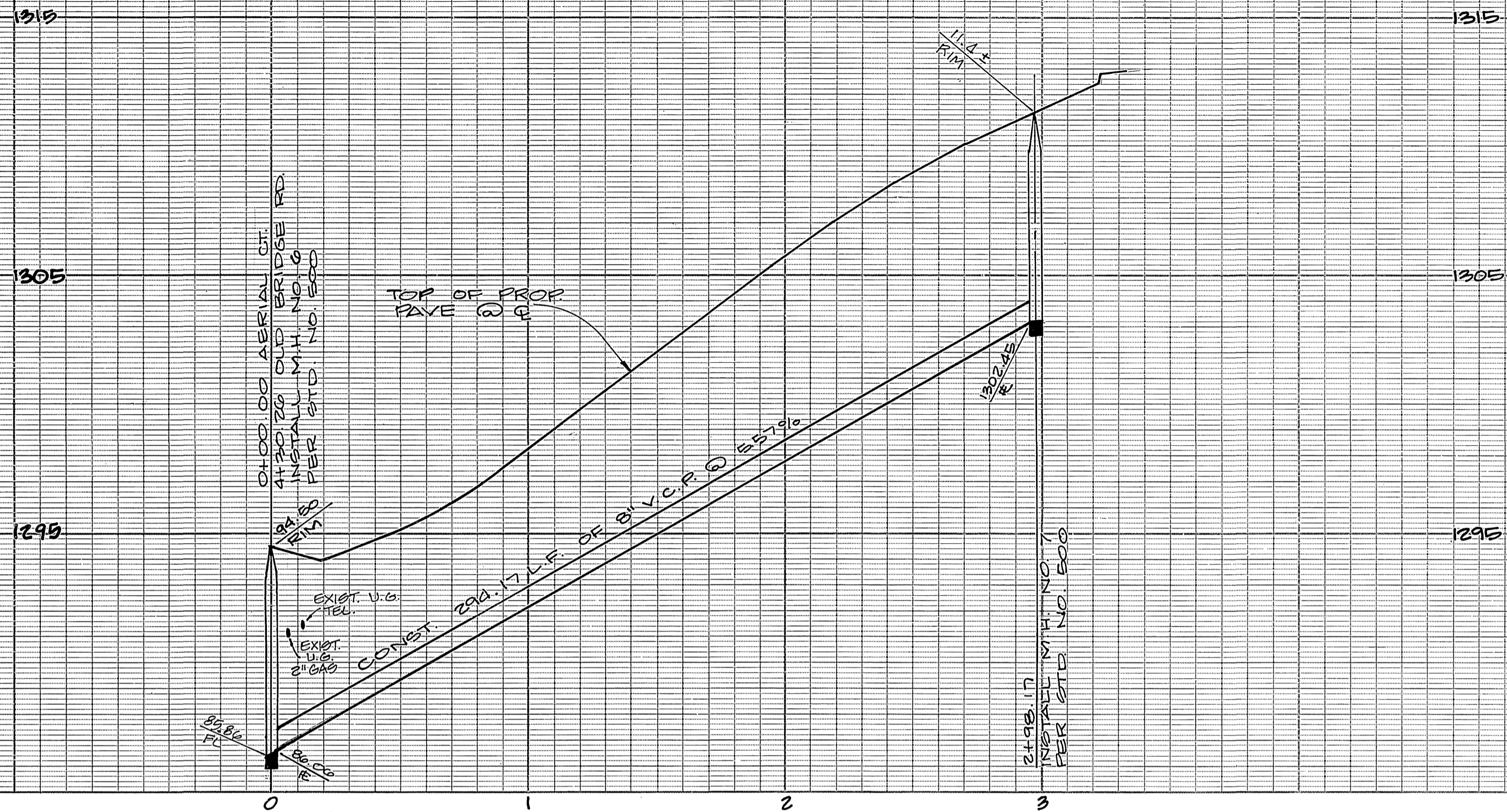
ALBERT A. WEBB ASSOCIATES
 CIVIL ENGINEERS
 RIVERSIDE, CALIFORNIA
 APPROVED BY: Matthew S. Wall DATE: 3/2/91
 R.E. No. 37082

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature] DATE: 12/18/91
 PRINCIPAL ENGINEER
 TRAFFIC DIVISION
 CHIEF PUB. WKS. ENGR.

SEWER PLAN & PROFILE
 TRACT NO. 25390
 SUNBEAM DRIVE
 STA. 8+00 TO STA. 15+78.86
 SCALE: HORIZ. 1" = 40' VERT. 1" = 4'

AS BUILT 3/31/91 JDM
 UNDERGROUND SERVICE
 ALERT
 CALL: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG
 ACCOUNT NO.
 DRAWING NUMBER
S-1615
 SHEET 3 OF 7
 89-301 D

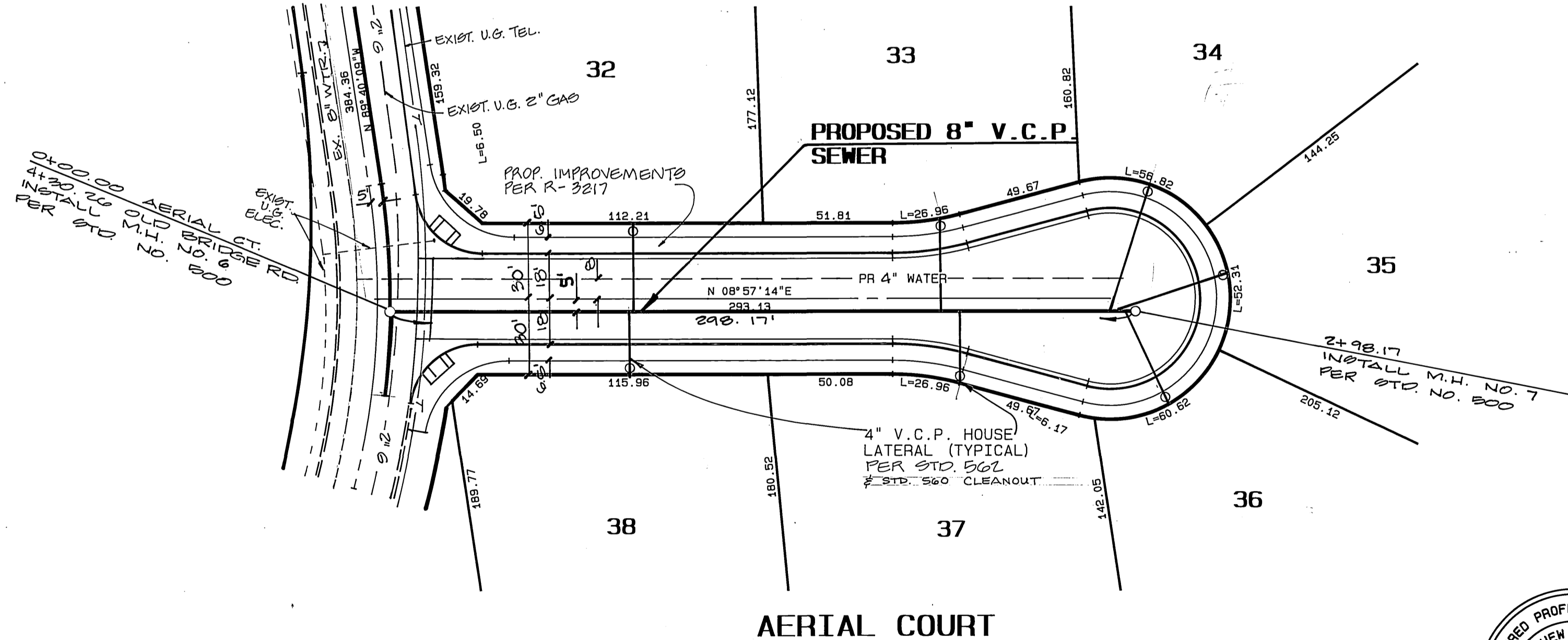
SOUTHERN CALIFORNIA GAS CO. APPROVED [Signature] DATE 2/1/91
 PACIFIC BELL APPROVED [Signature] DATE 7/15/91



SCALE: 1" = 40'

OLD BRIDGE ROAD

SEE SHEET 5

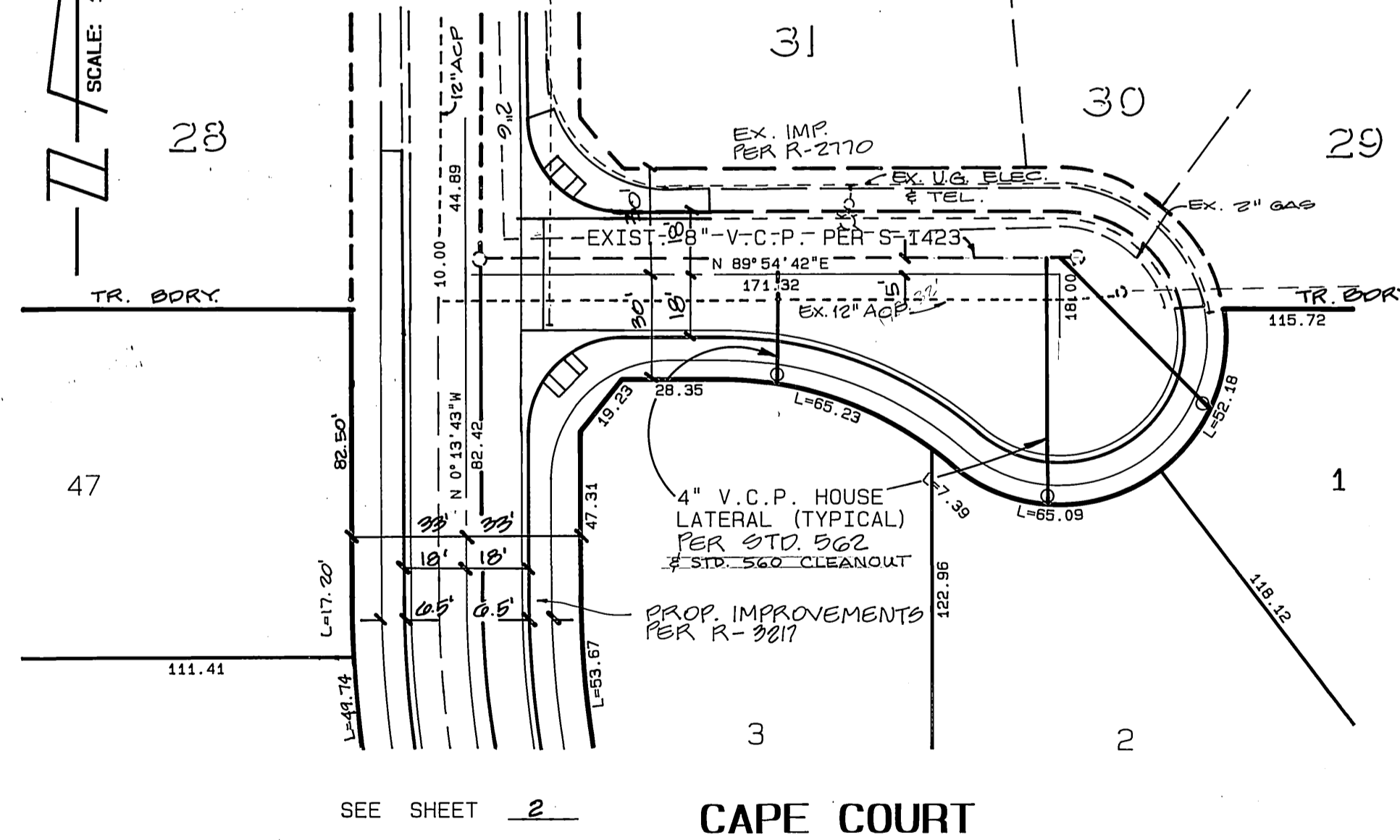


AERIAL COURT

SCALE: 1" = 40'

SUNBEAM DRIVE

TR. 11272



CAPE COURT



SEE SHEET 1 FOR GENERAL AND CONSTRUCTION NOTES

CITY OF RIVERSIDE
OVERHEAD & UNDERGROUND
ELECTRIC
W. W. Whelan 7/1/91
ENGINEERING MANAGER
DATE

SOUTHERN CALIFORNIA
GAS CO.
Robert St. John 7-11-91
APPROVED
DATE

PACIFIC BELL
Chester L. ... 7-15-91
APPROVED
DATE

AS BUILT 3/1/94 R/W
UNDERGROUND SERVICE
ALERT
CALL:
TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK 57-C
FD. PK. NAIL IN 9E'LY CO. RET. AT
ALESSANDRO BLVD. AND CHICAGO
AVE.

ELEVATION: 1136.542

CITY OF RIVERSIDE
WATER SYSTEM
Richard L. ... 9-27-91
APPROVED
DATE

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
RIVERSIDE, CALIFORNIA
APPROVED BY: Matthew E. Webb DATE: 11/19/90
R.E. No. 37082

W.O. 89-301 FOR PACIFIC SCENE F.B. 1089

MARK REVISIONS APPR. DATE
DESIGNED BY: A.A.W. DRAWN BY: 2 CHECKED BY: MEW

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

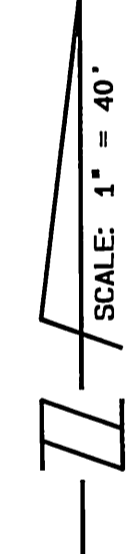
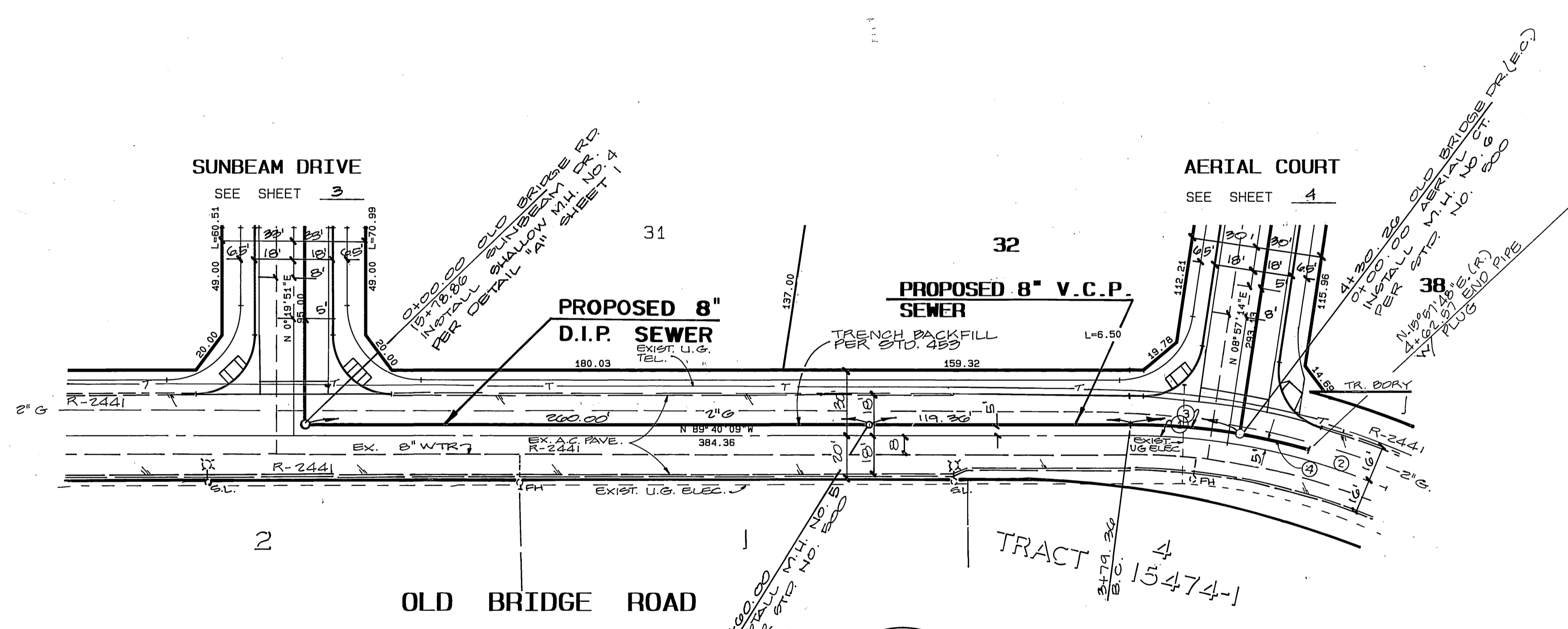
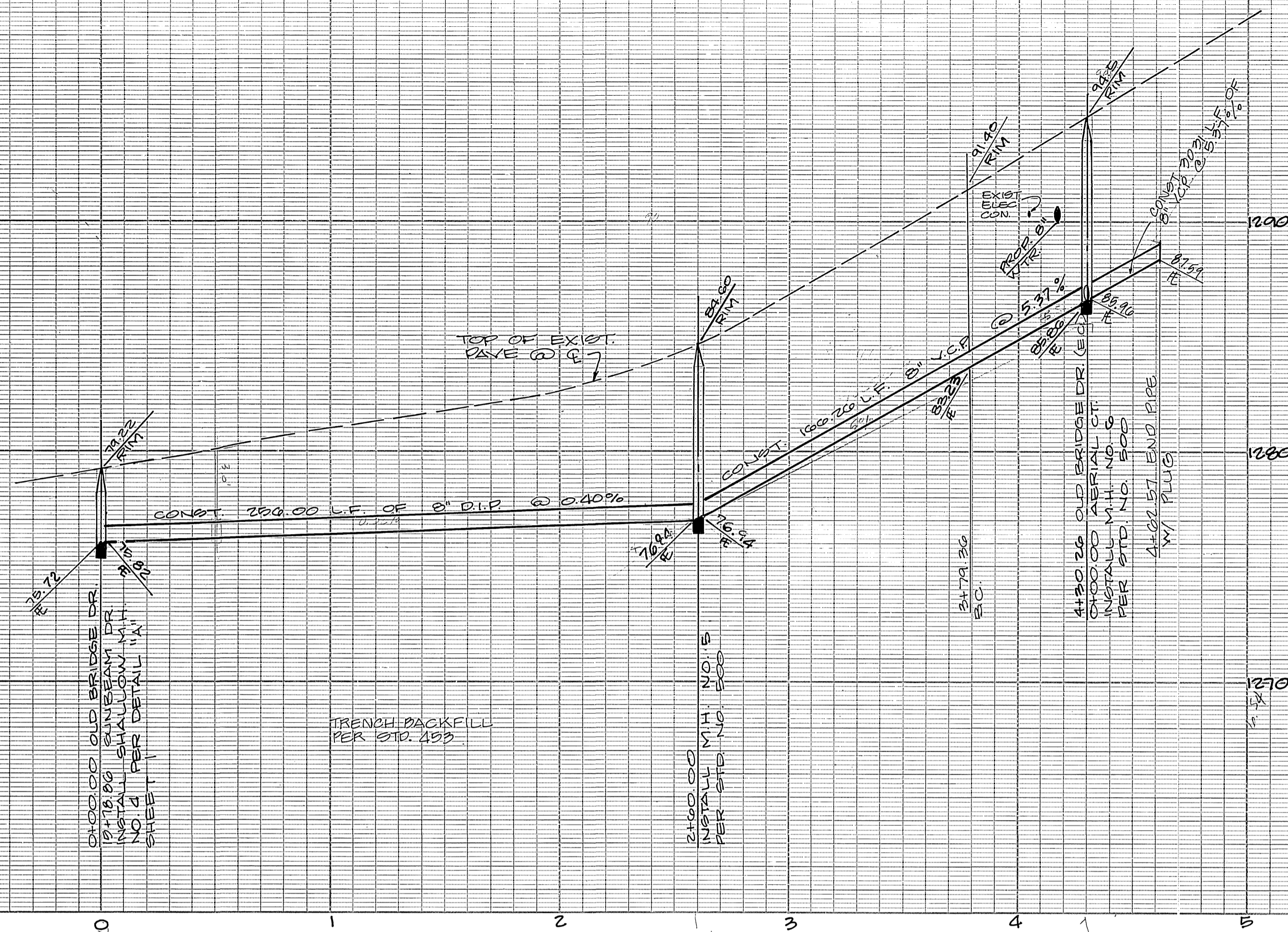
APPROVED BY: [Signature] DATE: 7/1/91
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF PUB. WKS. ENGR. DATE: 12/18/91

SEWER PLAN & PROFILE
TRACT NO. 25390
AERIAL COURT
CAPE COURT

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

ACCOUNT NO.
DRAWING NUMBER
S-1615
SHEET 4 OF 7
89-301-B

1240
1280
1270



CURVE DATA

①	DELTA	RADIUS	LENGTH	TANGENT
①	08° 37' 23"	300.00	45.15	22.62
②	14° 32' 40"	300.00	76.15	38.28
③	09° 33' 45"	305.00	50.90	25.51
④	06° 04' 12"	208.00	22.21'	16.17'

BENCH MARK BT-C
 F.O. P.K. NAIL IN SEELY CO. RET. AT
 ALESSANDRO BLVD. AND CHICAGO
 AVE.
 ELEVATION: 1136.542

CITY OF RIVERSIDE
 WATER SYSTEM
 Approved by *Richard J. Decker* 9-27-91
 DATE



SEE SHEET 1 FOR GENERAL AND CONSTRUCTION NOTES

ALBERT A. WEBB ASSOCIATES
 CIVIL ENGINEERS
 RIVERSIDE, CALIFORNIA
 APPROVED BY *Matthew E. Webb* DATE 11/19/90
 R.E. No. 37385

MARK REVISIONS APPR. DATE
 DESIGNED BY *AVG* DRAWN BY *Z* CHECKED BY *MEN/M*

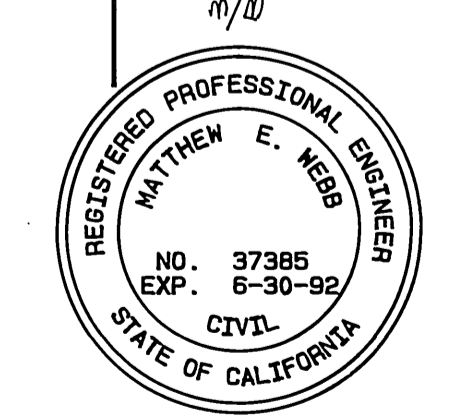
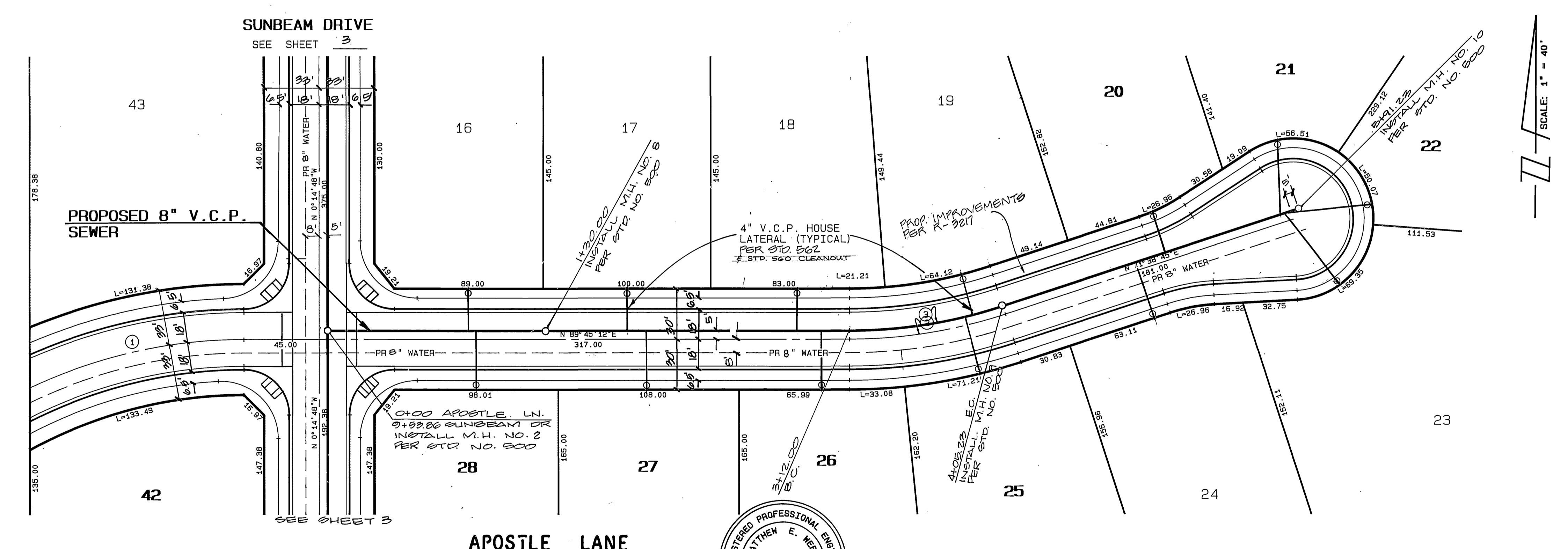
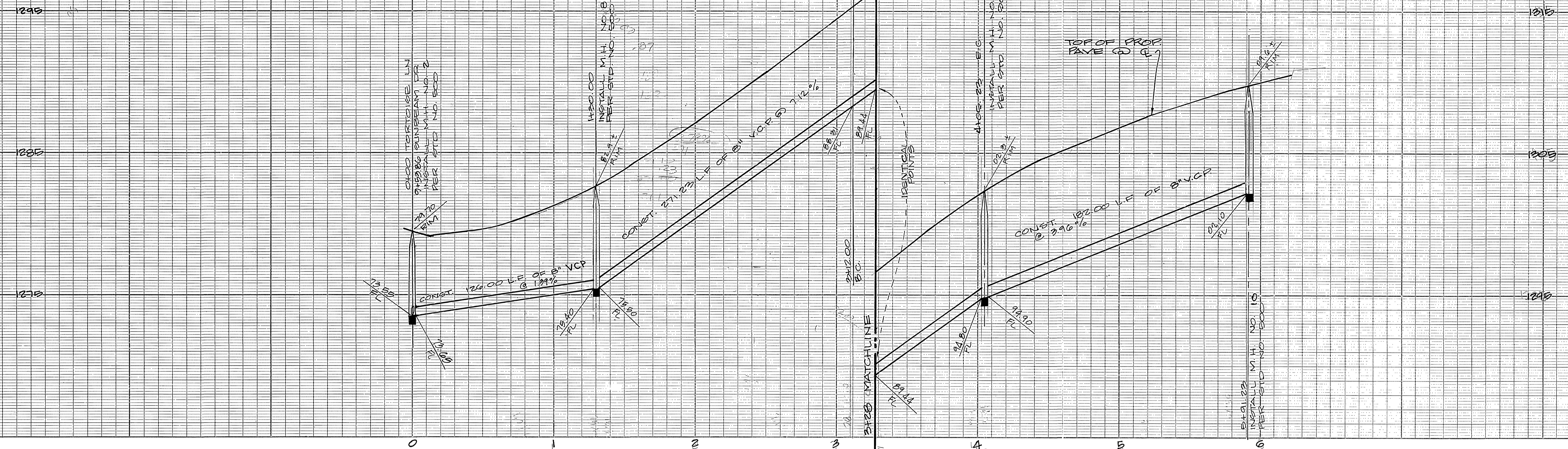
CITY OF RIVERSIDE OVERHEAD & UNDERGROUND
 SOUTHERN CALIFORNIA GAS CO.
 PACIFIC BELL
 Approved by *Robert H. Goff* 7-15-91 DATE
 Approved by *Charles L. ...* 7-15-91 DATE

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY *[Signature]* DATE 10/18/91
 DIRECTOR OF PUBLIC WORKS

SEWER PLAN & PROFILE
 TRACT NO. 25390
 OLD BRIDGE ROAD
 SCALE: HORIZ 1"=40' VERT 1"=4'



ACCOUNT NO.
 DRAWING NUMBER
S-1615
 SHEET 5 OF 7
 89-301-B



SEE SHEET 1 FOR GENERAL AND CONSTRUCTION NOTES

BENCH MARK 67-C
 FO. PK. NAIL IN SE'LY CO. RET. AT
 ALESSANDRO BLVD. AND CHICAGO
 AVE.
 ELEVATION: 1136.542

CURVE DATA

①	DELTA	RADIUS	LENGTH	TANGENT
①	25° 15' 22"	300.00	132.24	67.21
②	18° 06' 27"	300.00	94.81	47.80
③	18° 06' 27"	295.00	93.23	47.01

CITY OF RIVERSIDE
 WATER SYSTEM
Rubén J. Delgado 9-27-91
 APPROVED DATE

ALBERT A. WEBB ASSOCIATES
 CIVIL ENGINEERS
 RIVERSIDE, CALIFORNIA
 APPROVED BY *Matthew E. Webb* DATE 11/19/90
 R.E. No. 37385
 W.C. 89-301 FOR PACIFIC SCENES F.B. 1053

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY *[Signature]* DATE 12/12/91
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF PUB. WKS. ENGR.

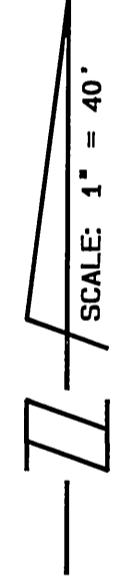
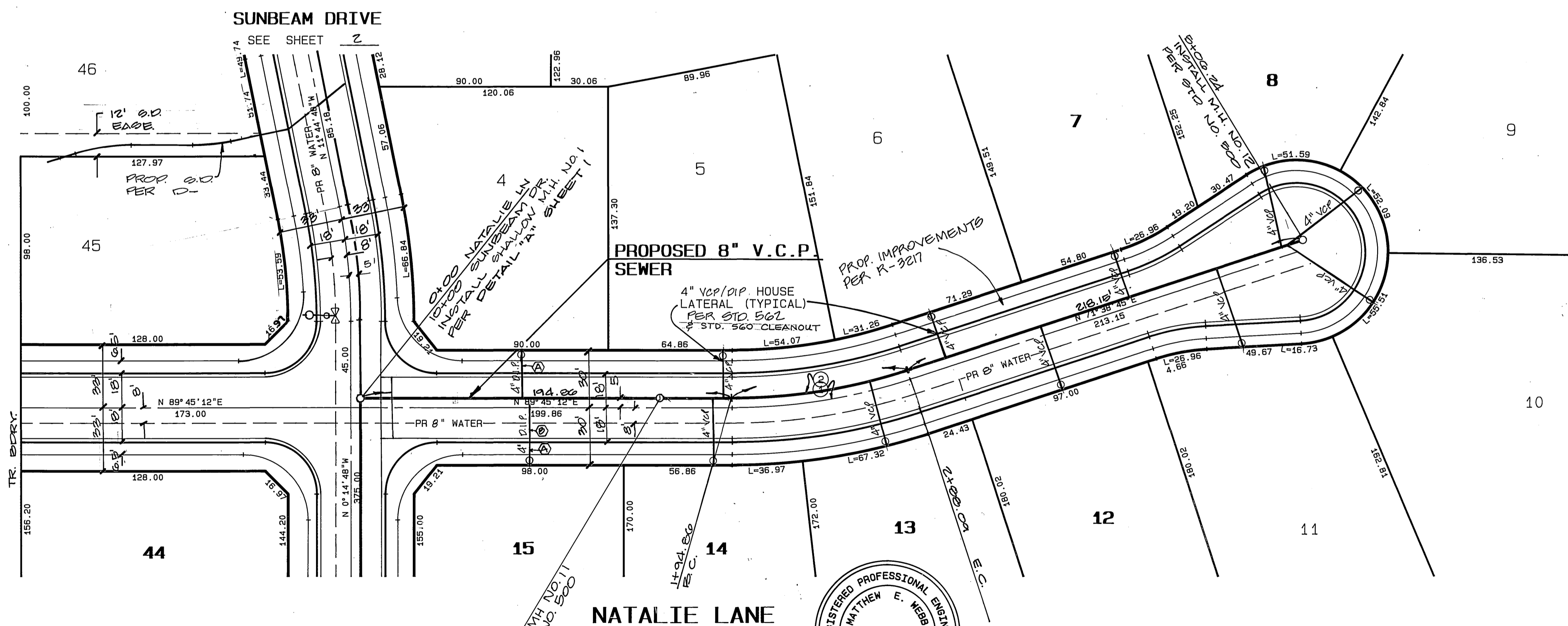
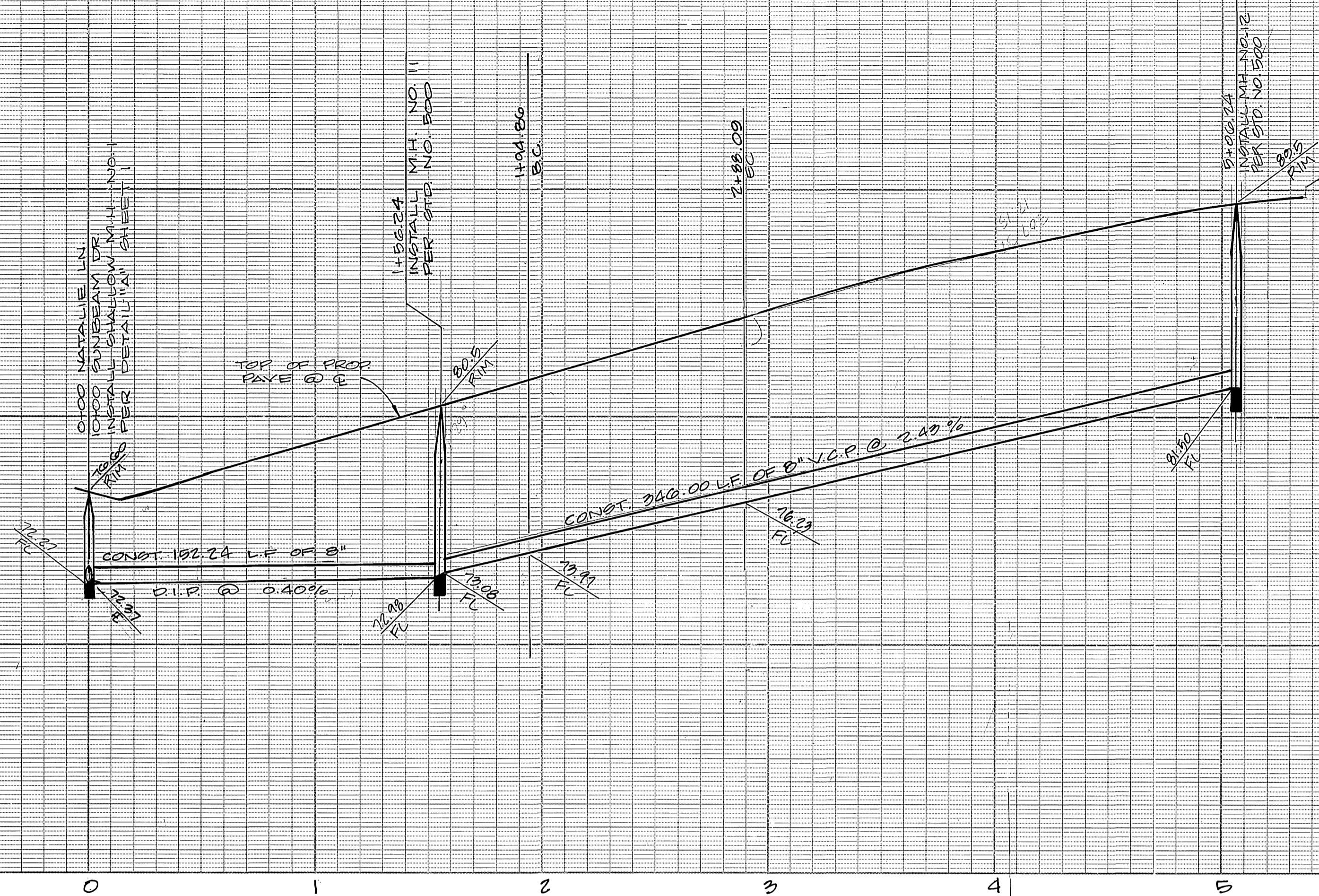
SEWER PLAN & PROFILE
 TRACT NO. 25390
 APOSTLE LANE
 SCALE: HORIZ 1"=40' VERT. 1"=4'



ACCOUNT No.
 DRAWING NUMBER
S-1615
 SHEET 6 OF 7
 89-301-B

1290
1280
1270

1290
1280
1270



CURVE DATA

①	DELTA	RADIUS	LENGTH	TANGENT
①	18° 06' 27"	300.00	94.81	47.80
②	18° 06' 27"	295.00	93.23	47.01

Ⓐ INDICATES 4" HOUSE LATERAL TO BE LAYED FLAT @ 2% PER STD. NO. 502
 Ⓑ INDICATES CENTER 1'-12" LENGTH OF 4" D.I.P. UNDER PROP. 8" WTR.

BENCH MARK 61-C
 61-C P.K. NAIL IN SE'LY COR. RET. AT ALESSANDRO BLVD. AND CHICAGO AVE.
 ELEVATION: 1136.542

CITY OF RIVERSIDE WATER SYSTEM
 Approved: *Rudolf J. Dedit* 9-27-91
 DATE

ALBERT A. WEBB ASSOCIATES
 RIVERSIDE, CALIFORNIA
 APPROVED BY: *Matthew E. Webb* DATE: 11/19/90
 R.E. No. 37385
 W.O. 89-201 FOR: PACIFIC SCENE F.B. 1003



SEE SHEET 1 FOR GENERAL AND CONSTRUCTION NOTES

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Ray* DATE: 10/18/91
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF PUB. WKS. ENGR.

SEWER PLAN & PROFILE
 TRACT NO. 25390
 NATALIE LANE
 SCALE: HORIZ: 1"=40' VERT: 1"=4'



ACCOUNT NO.
 DRAWING NUMBER
S-1615
 SHEET 7 OF 7
 89-201-B