

Sewer Improvement Plans

FOR

Tract 31755

City Of Riverside

General Notes - Public Works

- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-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.
- 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 PLANS 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 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 #1-800-227-2800, 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.
- 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 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 COMPLETED.

Private Engineer's Notes To Contractor:

- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS 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 AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THIS DRAWING.
- 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; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY, 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.

Owner / Applicant

RIV INFILL LLC
CORMAN LEIGH COMMUNITIES(MANAGING MEMBER)
32823 HWY 79 SOUTH
TEMECULA, CA 92590 (909)296-5070

Engineer

RENCIVIL
41593 WINCHESTER RD, SUITE 120
TEMECULA, CA 92590
(951)296-1292

Utilities

SEWER AND WATER CITY OF RIVERSIDE 3460 ORANGE STREET RIVERSIDE, CA 92501 909.427.2200	ELECTRIC: CITY OF RIVERSIDE 3460 ORANGE STREET RIVERSIDE, CA 92501 909.427.2200
GAS: SOUTHERN CALIF. GAS CO. 1981 W. LUGONIA REDLANDS, CA 92374 909.995.7847	TELEPHONE: PACIFIC BELL 3939 E. COLORADO ST. ANAHEIM CA 92807 800.310.2355

Topography

AERIAL & FIELD TOPOGRAPHY BY THOMSON INC.

DATED: 08/11/03

Legal Description

BEING A SUBDIVISION OF A PORTION OF SECTIONS 28 AND 33 OF T.2.S., R.5W., S.B.B.M.

Notice

BEFORE PROCEEDING WITH THIS WORK, THE CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL CONDITIONS, QUANTITIES, DIMENSIONS, AND GRADE ELEVATIONS, AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

FINISHED GRADE
MANHOLE RING AND COVER SET TO GRADE SPECIFIED (SEE DWG. 10.38.61)
GRADE RINGS
CEMENT MORTAR TORQUED SMOOTH
MIN. 2" DIA. OF MANHOLE RINGS
CLASS "A" CONCRETE BASE FURRED AGAINST UNDISTURBED EARTH
1/2" DIA. ENCAPSULATED STEEL BAR TO BE PRECAST & 1/2" O.C. AS SHOWN IN ELEVATION B-B
1/2" THICK CEMENT MORTAR JOINT NEATLY STRUCK & POINTED OR PREFORMED COLD-APPLIED REAR-FORMED PLASTIC JOINT SEALING COMPOUND & FINISH

NOTES

- REINFORCED PRECAST CONCRETE MANHOLES SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF ASTM C493. MANHOLES SHALL BE DESIGNED FOR A MIN. H-20 LOADING. CONCRETE SHALL BE COMPACTLY SUBMITTED & CENTRIFUGALLY SPUN MECHANICALLY TAMPED.
- SEWER MANS ARE TO BE Laid THRU THE MANHOLE WHERE POSSIBLE AND USED AS A FORM FOR THE UPPER TOP OF THE MANHOLE. THE PIPE IS TO BE BORED OUT TO A SMOOTH FINISH. SPECIAL CARE SHALL BE USED IN FORMING ALL CHAMFERS TO FACILITATE THE FLOW OF SEWAGE.
- CONCRETE BASE SHALL BE OF CLASS "A" CONCRETE AND PLACED IN ONE OPERATION. CONCRETE INVERTS SHALL BE TRUE TO GRADE AND NUMBERED AND FINISHED WITH A SMOOTH FINISH. SPECIAL CARE SHALL BE USED IN FORMING ALL CHAMFERS TO FACILITATE THE FLOW OF SEWAGE.
- SHALLOW MANHOLE AS SHOWN HEREON TO BE INSTALLED WITH DEPTH TO PIPE DETAILS IS LESS THAN 5' FROM FINISHED STREET GRADE.
- SEE DRAWING SB-30 FOR DETAILS AND INSTALLATION OF MANHOLE COVER AND RINGS.
- MANHOLE STEPS SHALL BE CAST IN PLACE AND ORIENTED TO PERFORM MANHOLE COVER. GRADE RINGS SHALL BE PLACED BETWEEN GRADE RINGS AND GROTTED IN PLACE. GRADE RINGS TO BE USED AS CLEANING HOLES AND SHALL BE PLACED 6" MIN. AND 12" MAX. FROM TOP OF SHELF.

MANHOLE STEP DETAILS A-A

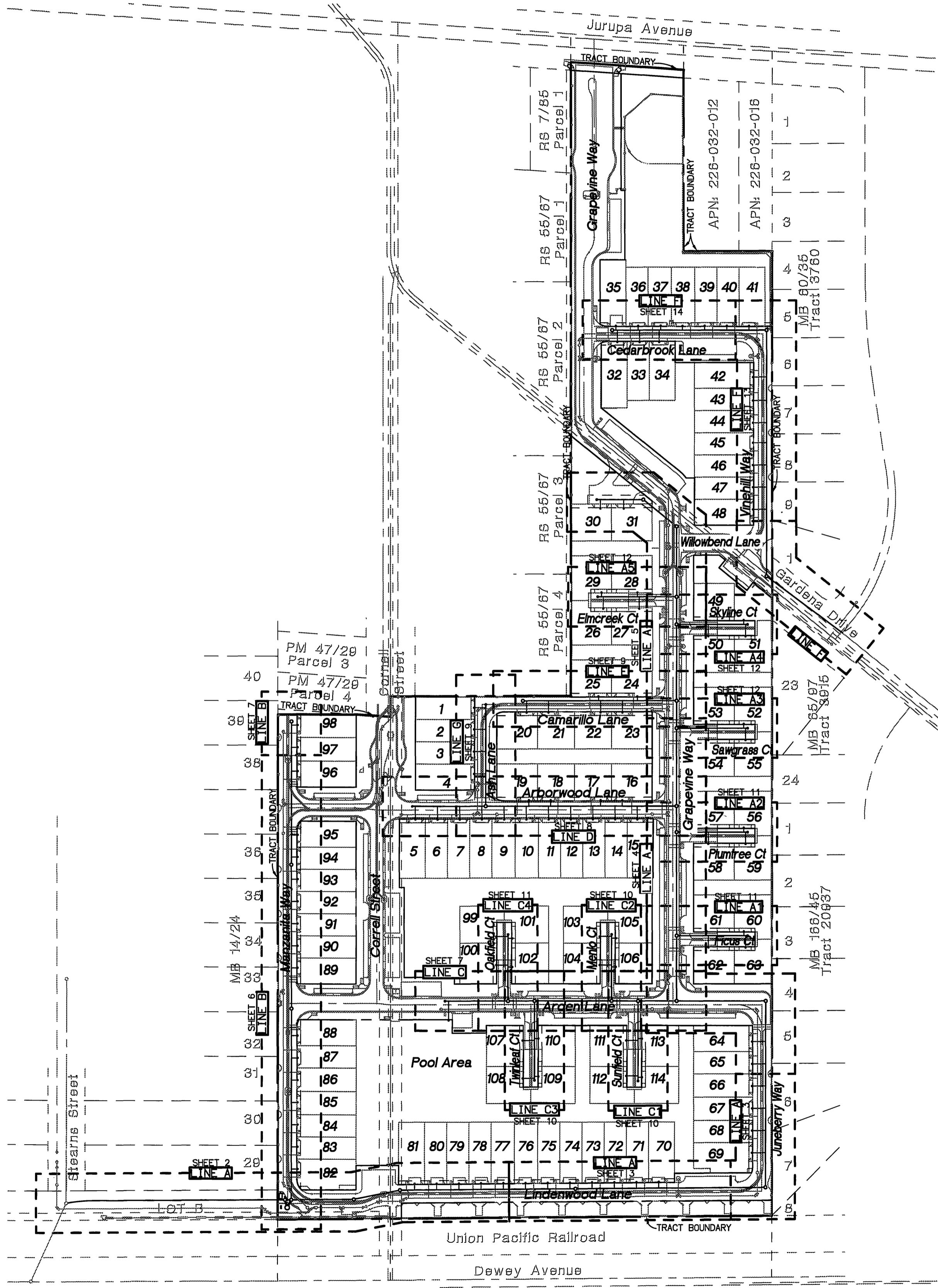
JOINT DETAIL

NO.	DATE	INITIAL	REVISIONS	DESCRIPTION	APPROVAL	DATE
1	12/11/03	RLV	DESIGN	ISSUE FOR PERMITS	C.H.S.	12/11/03
2	1/14/04	RLV	CONSTRUCTION	ISSUE FOR CONSTRUCTION	C.H.S.	1/14/04
3	1/14/04	RLV	OPERATIONS	ISSUE FOR OPERATIONS	C.H.S.	1/14/04
4	1/14/04	RLV	OPERATIONS	ISSUE FOR OPERATIONS	C.H.S.	1/14/04

REINFORCED PRECAST SHALLOW MANHOLE

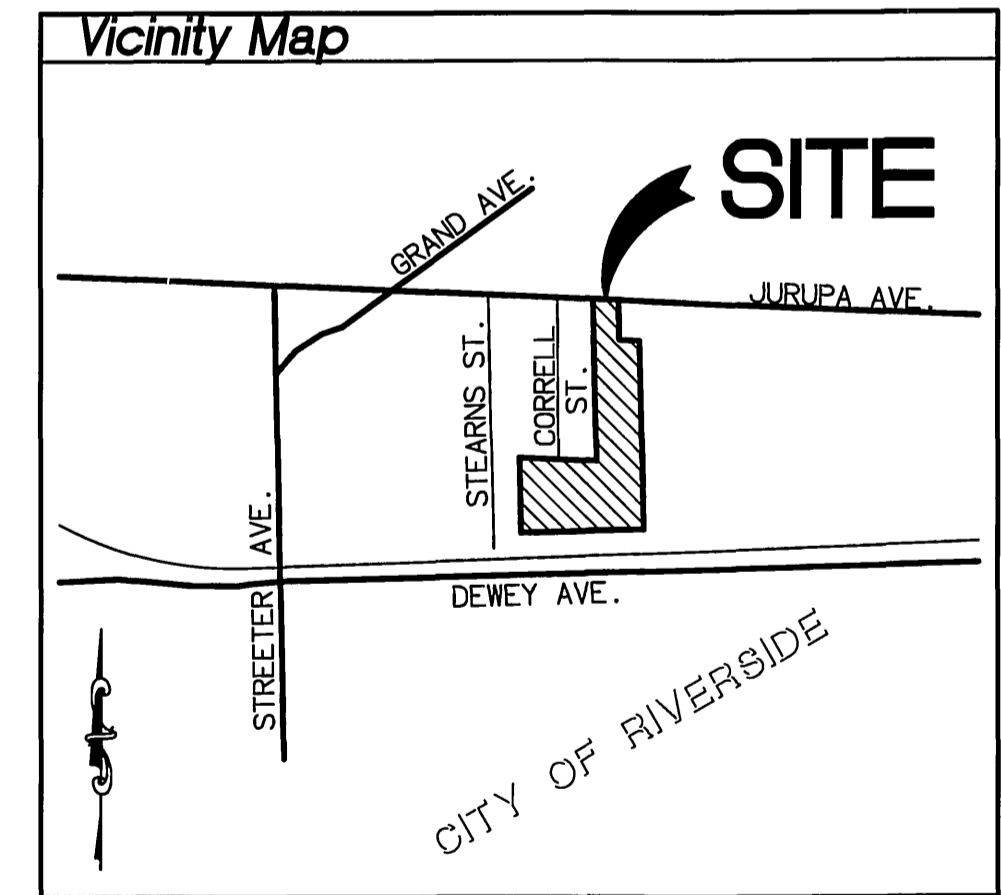
EASTERN MUNICIPAL WATER DISTRICT STANDARD DRAWING

APPROVED: *Dale J. Bein* 4/22/03 SB-30



Legend + Abbreviations

LEGEND	ABBREVIATIONS
	A-A = SECTION LETTER 7 = SHEET DETAIL IS ON
	A-A = SECTION LETTER - = DETAIL ON THIS SHEET
	BOUNDARY LINE
	CENTERLINE
	CURB AND GUTTER
	GRADE BREAK
	SAWCUT LINE
	EDGE OF PAVEMENT
	RETAINING WALL
	EXISTING WALL
	DIRECTION OF FLOW
	EXISTING GROUND CONTOUR
	DRAINAGE SWALE
	EXISTING SEWER
	EXISTING WATER
	TOP OF SLOPE
	SLOPE RATIO
	TOE OF SLOPE
	PROPOSED ELEVATION
	EXISTING ELEVATION
	FUTURE ELEVATION
	PROPOSED GRADE
	EXISTING GRADE
	EXISTING STORM DRAIN
	PROPOSED MANHOLE
	EXISTING MANHOLE
	PROPOSED CATCH BASIN
	EXISTING CATCH BASIN
	PROPOSED FIRE HYDRANT
	EXISTING FIRE HYDRANT
	ITEM TO BE DEMOLISHED
	CUT/FILL DAYLIGHT
	BLOCK WALL
	RETAINING WALL
	6' HIGH WROUGHT IRON FENCE
	6' HIGH WOOD FENCE



Index Map

NORTH ARROW

SCALE
0 100 200

Sewer Notes + Quantities

NO.	DESCRIPTION	QUANTITY
1	INSTALL 8" PVC SDR35 SEWER PIPE	5300 LF
2	INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A	116 EA
3	CONSTRUCT 48" MANHOLE PER CITY STD 500	28 EA
4	INSTALL SEWER LATERAL PER CITY STD 562	1280 LF
5	INSTALL SEWER CLEANOUT PER CITY STD 560	15 EA
6	SEWER LIFT STATION PER SEPARATE PERMIT	1 EA
7	PROVIDE PIPE BEDDING PER CITY STD 452	5290 LF
8	CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMMWD STD SB-30 (SHOWN ON SHEET 1)	1 EA
10	PLACE CONC CAP PER CITY STD 452 CASE IV	242 LF

UNDERGROUND SERVICE ALERT

CALL: TOLL FREE
1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

PUBLIC UTILITIES WATER DIVISION

BENCHMARK
P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHEASTLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET. DESIGNATED H5-H3

APPROVED BY: *MW McCall* 11/14/05 DATE: 11/14/05

PREPARED UNDER THE SUPERVISION OF:

Dale J. Bein

R.C.E. C55955 EXP 12/31/06 DATE: 1-10-05

RENCIVIL

ENGINEERING • SURVEYING • LAND PLANNING
41593 WINCHESTER RD., SUITE 120 TEMECULA CA 92590
951.296.1292 951.296.1164 FAX

MARK	REVISIONS	APPR.	DATE
DESIGNED BY: REN	DRAWN BY: RLV	CHECKED BY: REN	

City of Riverside, California
PUBLIC WORKS DEPARTMENT

APPROVED BY: *Dale J. Bein* DATE: 1/14/05

PRINCIPAL ENGINEER

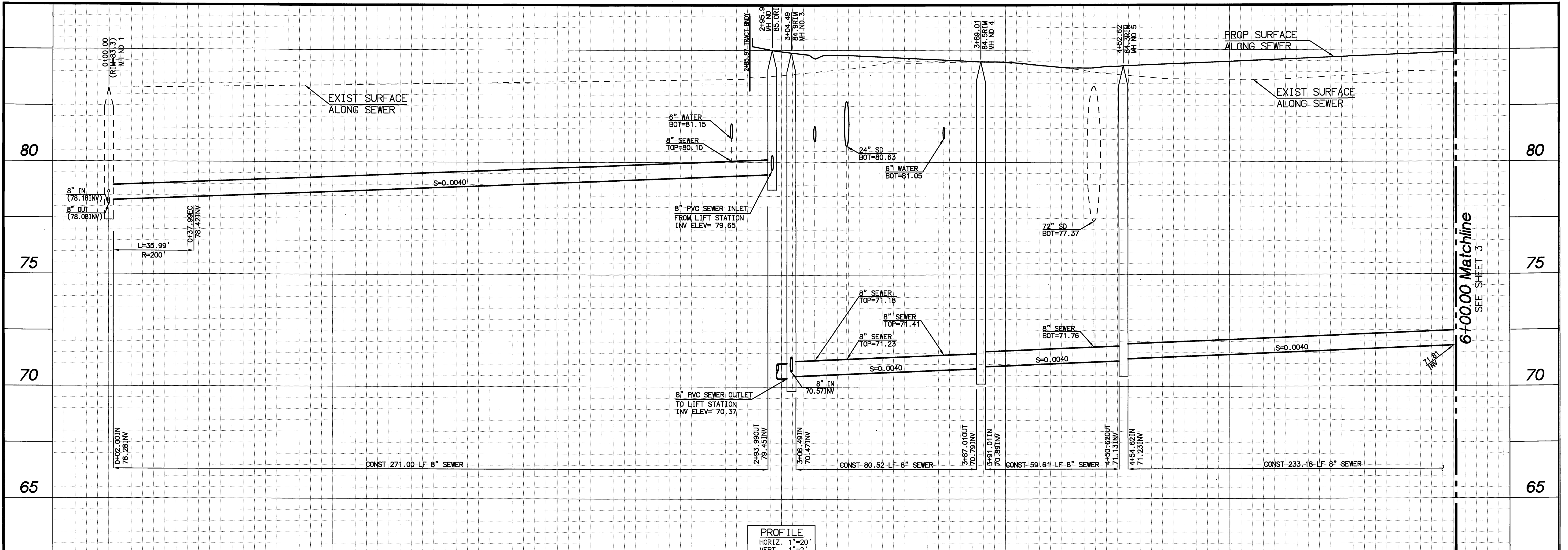
CITY ENGINEER

DATE: 1/14/05

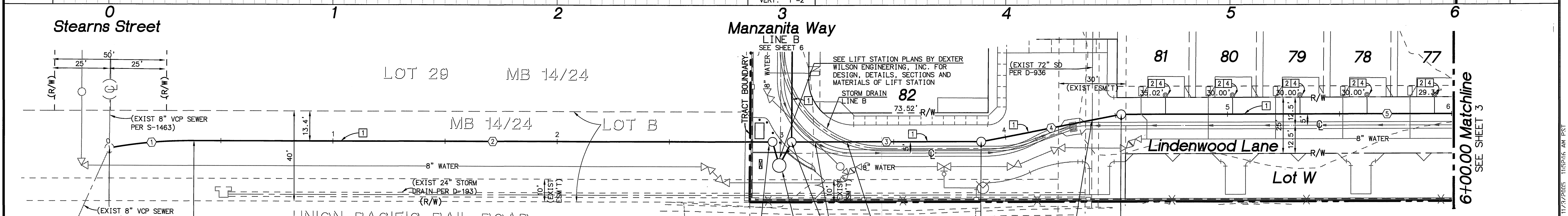
Sewer Improvement Plan
Tract 31755

Title Sheet

ACCOUNT NO. PW04-0786
S-1922
SHEET 1 OF 14 SHEETS
HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED FILE NO.

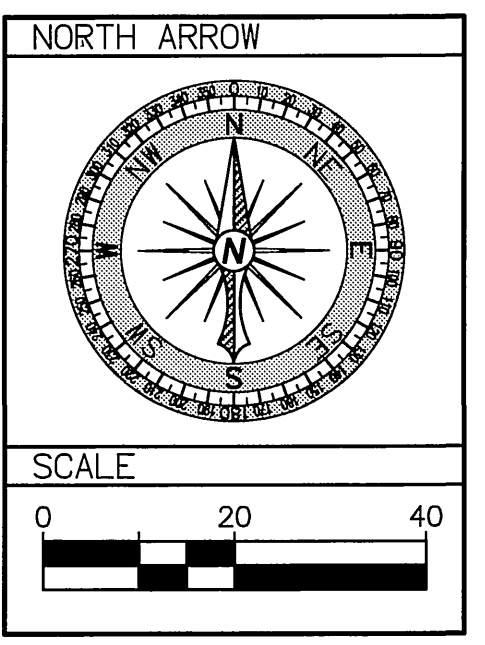


PROFILE
 HORIZ. 1"=20'
 VERT. 1"=2'



Line A
 0+00.00 to 6+00.00

SEWER DATA			
DELTA/BRG	RADIUS	LENGTH	TANGENT
1 Δ= 10° 52' 59"	200.00'	37.99'	19.05'
2 N89° 37' 25" E	---	258.00'	---
3 N89° 37' 27" E	---	84.52'	---
4 N78° 45' 14" E	---	63.61'	---
5 N89° 37' 44" E	---	237.18'	---



Sewer Notes	
NO.	DESCRIPTION
1	INSTALL 8" PVC SDR35 SEWER PIPE
2	INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
3	CONSTRUCT 48" MANHOLE PER CITY STD 500
4	INSTALL SEWER LATERAL PER CITY STD 562
5	INSTALL SEWER CLEANOUT PER CITY STD 560
6	SEWER LIFT STATION PER SEPARATE PERMIT
7	PROVIDE PIPE BEDDING PER CITY STD 452
8	CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMDD STD SB-30 (SHOWN ON SHEET 1)
10	PLACE CONC CAP PER CITY STD 452 CASE IV

UNDERGROUND SERVICE ALERT

CALL: TOLL FREE 1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

PUBLIC UTILITIES WATER DIVISION

APPROVED BY: *MW McLean* DATE: 11/14/05

BENCHMARK
 P.K. NAIL AND CITY ENGINEER
 TAG IN THE SOUTHEASTERLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET. DESIGNATED H5-H3
 ELEVATION=784.689

PREPARED UNDER THE SUPERVISION OF:
[Signature]
 R.C.E. C55955 EXP 12/31/06
 DATE 11-10-05

RENCivil
 ENGINEERING • SURVEYING • LAND PLANNING
 41593 WINCHESTER RD, SUITE 120 TEMECULA CA 92590
 951.296.1292 951.296.1164 FAX

City of Riverside, California
 PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: 11/18/05
 PRINCIPAL ENGINEER
 CITY ENGINEER

Sewer Improvement Plan
 Tract 31755

LINE A
 0+00.00 to 6+00.00

HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED

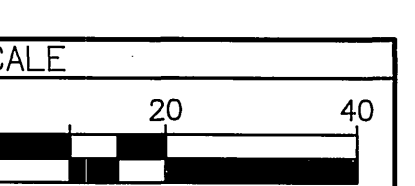
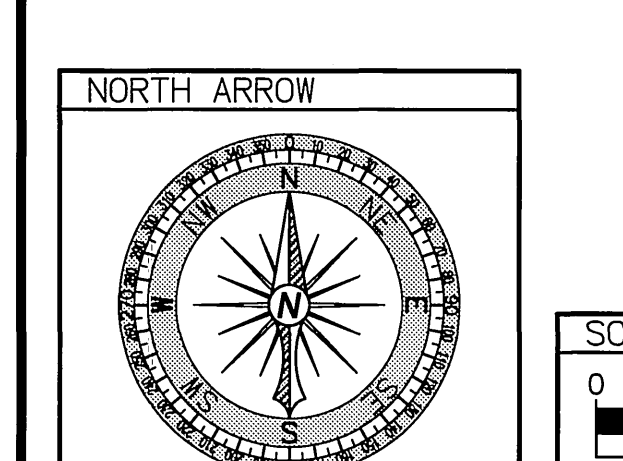
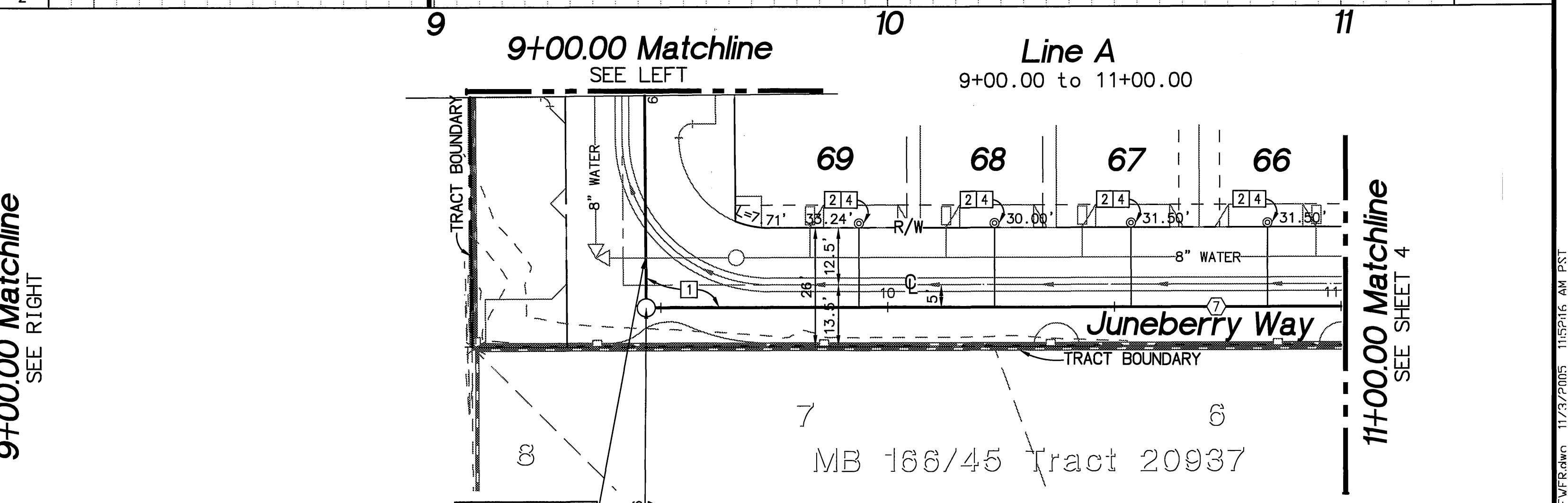
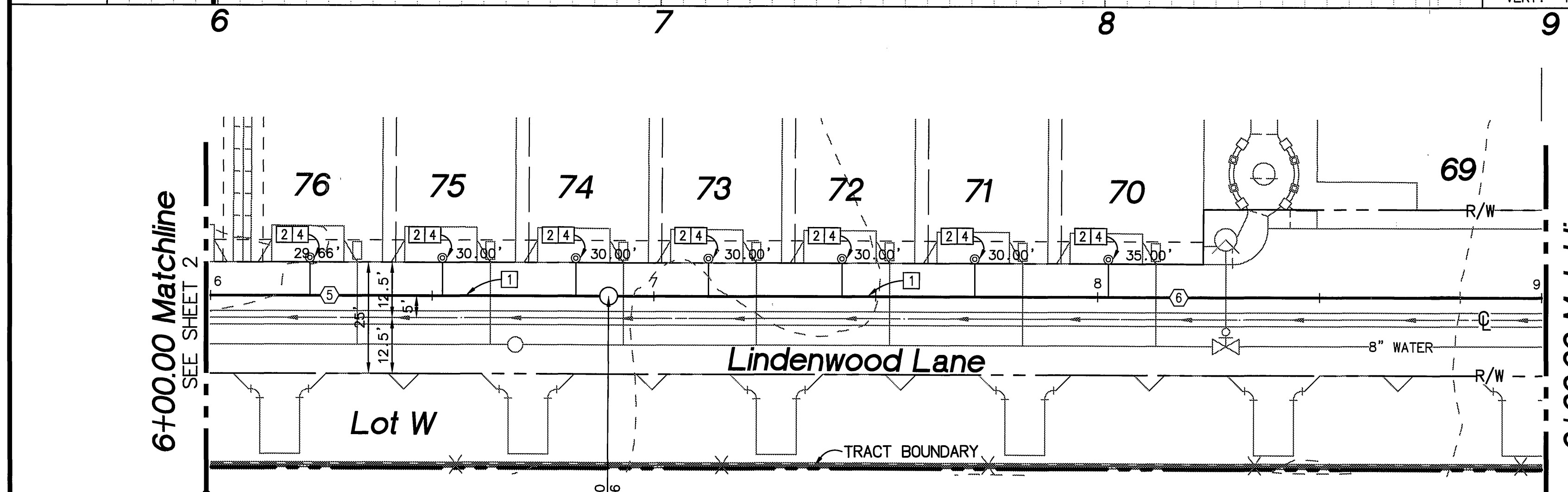
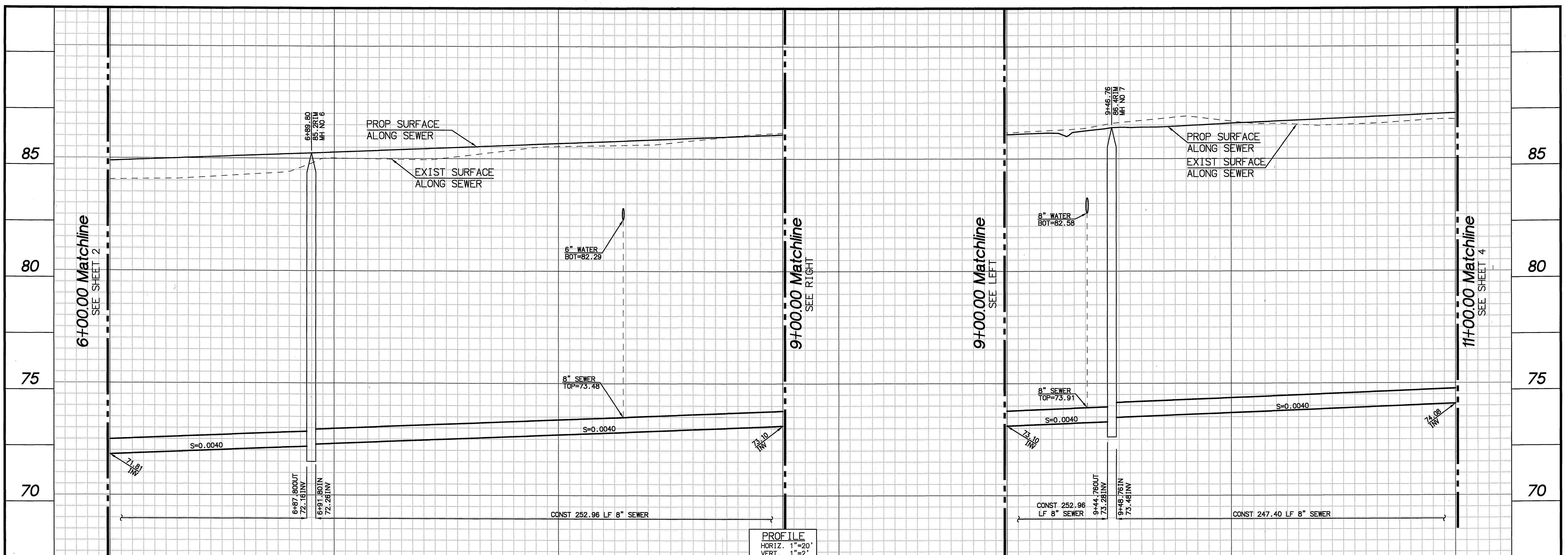
ACCOUNT NO. PW04-0786

S-1922

SHEET 2 OF 14 SHEETS

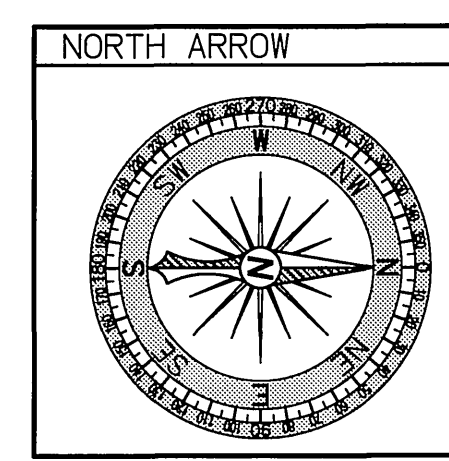
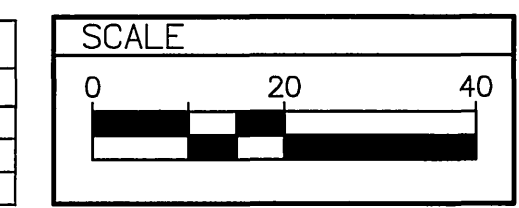
FILE NO.

INDEXED 12-10-05 Lft



Line A
6+00.00 to 9+00.00

SEWER DATA			
DELTA/BRG	RADIUS	LENGTH	TANGENT
5 N89°37'44"E	--	237.18'	--
6 N89°37'44"E	--	256.96'	--
7 N00°04'06"E	--	251.40'	--



Sewer Notes	
DESCRIPTION	
1	INSTALL 8" PVC SDR35 SEWER PIPE
2	INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
3	CONSTRUCT 48" MANHOLE PER CITY STD 500
4	INSTALL SEWER LATERAL PER CITY STD 562
5	INSTALL SEWER CLEANOUT PER CITY STD 560
6	SEWER LIFT STATION PER SEPARATE PERMIT
7	PROVIDE PIPE BEDDING PER CITY STD 452
8	CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMDW STD SB-30 (SHOWN ON SHEET 1)
10	PLACE CONC CAP PER CITY STD 452 CASE IV

UNDERGROUND SERVICE ALERT
CALL: TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

PUBLIC UTILITIES WATER DIVISION
BENCHMARK
P.K. NAIL AND CITY ENGINEER
TAG IN THE SOUTHEASTLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET, DESIGNATED H5-H3
ELEVATION=784.689

PREPARED UNDER THE SUPERVISION OF:
[Signature]
R.C.E. C55955 EXP 12/31/06
DATE 11-10-05

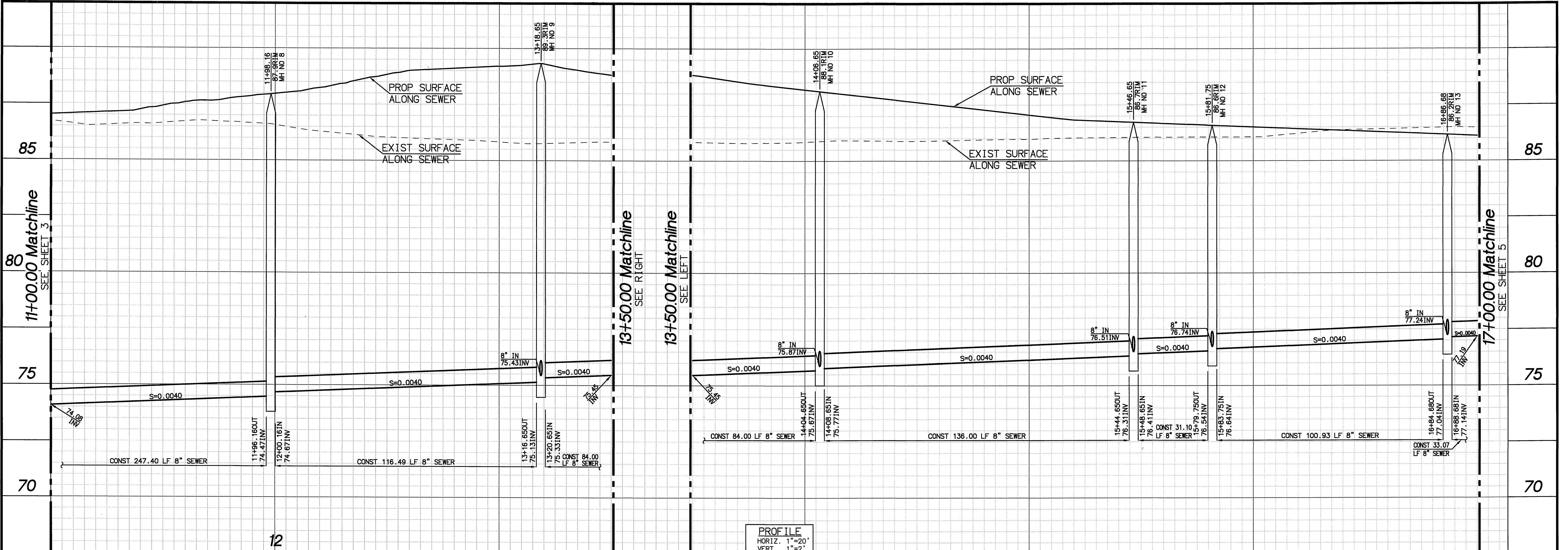
RENCivil
ENGINEERING • SURVEYING • LAND PLANNING
41593 WINCHESTER RD, SUITE 120 TEMECULA CA 92590
951.296.1292 951.296.1184 FAX

MARK REVISIONS APPR DATE DESIGNED BY REN DRAWN BY RLV CHECKED BY REN

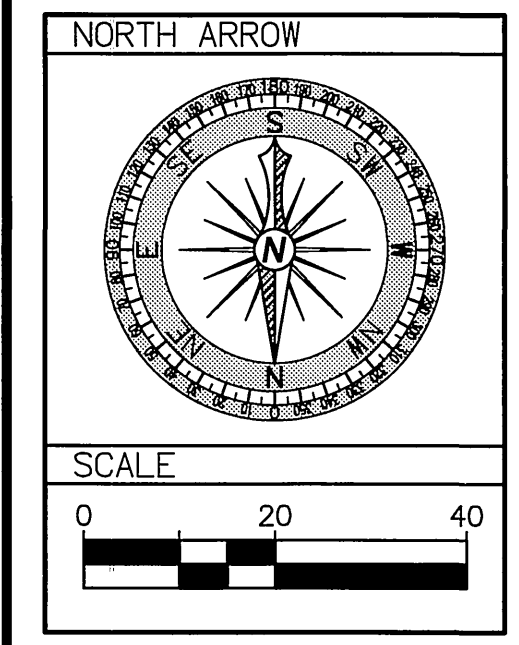
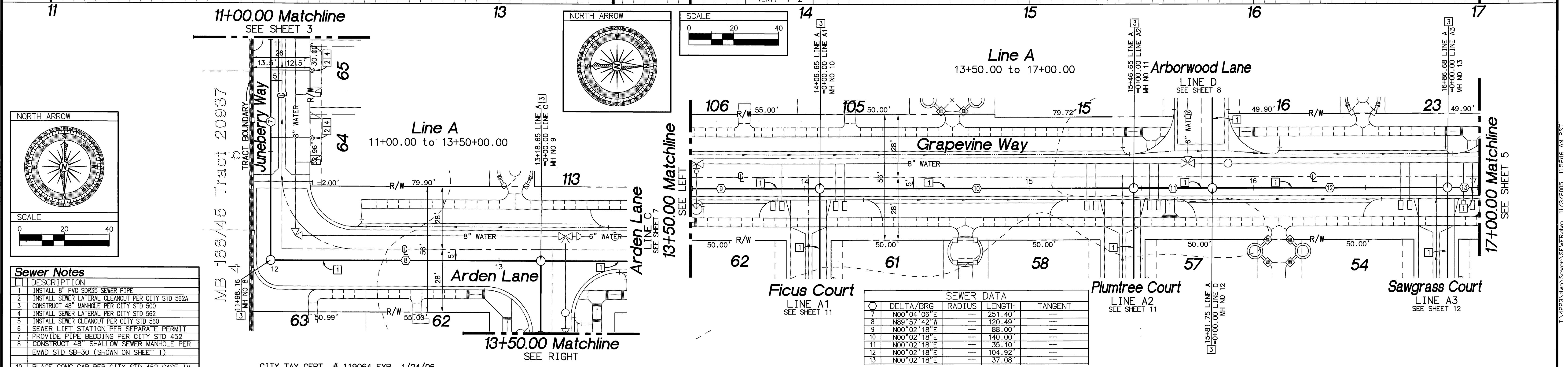
City of Riverside, California
PUBLIC WORKS DEPARTMENT
APPROVED BY: *[Signature]* DATE: 11/26/05
PRINCIPAL ENGINEER
CITY ENGINEER
DATE 11/26/05

Sewer Improvement Plan
Tract 31755
LINE A
6+00.00 to 11+00.00
ACCOUNT NO. PW04-0785
S-1922
SHEET 3 OF 14 SHEETS
FILE NO.

INDEXED 12-10-05 Lfk



PROFILE
 HORIZ. 1"=20'
 VERT. 1"=2'



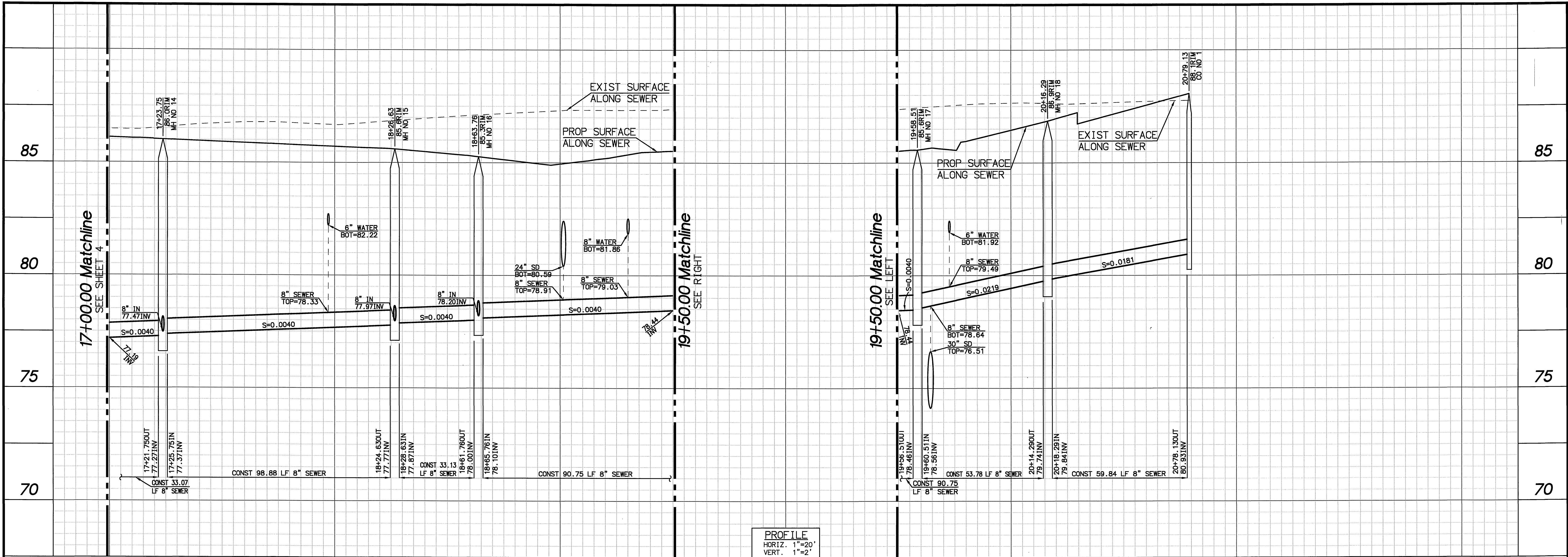
Sewer Notes

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4	INSTALL SEWER LATERAL PER CITY STD 562
5	INSTALL SEWER CLEANOUT PER CITY STD 560
6	SEWER LIFT STATION PER SEPARATE PERMIT
7	PROVIDE PIPE BEDDING PER CITY STD 452
8	CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMWD STD SB-30 (SHOWN ON SHEET 1)
10	PLACE CONC CAP PER CITY STD 452 CASE IV

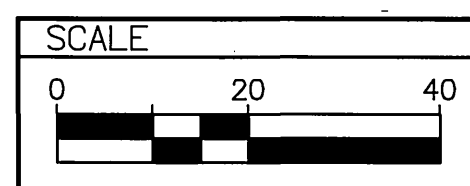
SEWER DATA

NO.	DELTA/BRG	RADIUS	LENGTH	TANGENT
7	N00°04'06"E	251.40'	---	---
8	N89°57'42"W	---	120.49'	---
9	N00°02'18"E	---	88.00'	---
10	N00°02'18"E	---	140.00'	---
11	N00°02'18"E	---	35.10'	---
12	N00°02'18"E	---	104.92'	---
13	N00°02'18"E	---	37.08'	---

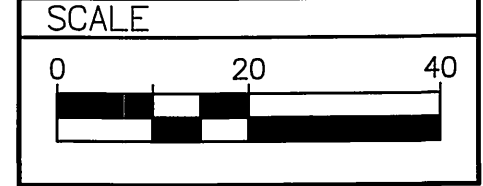
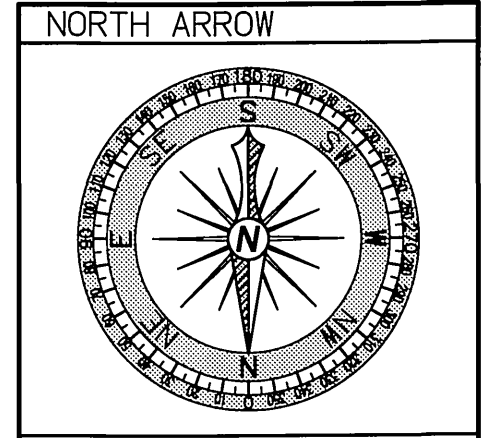
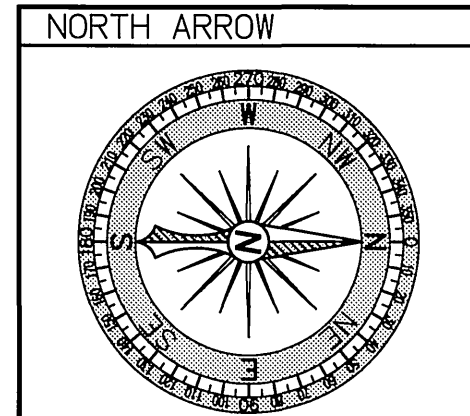
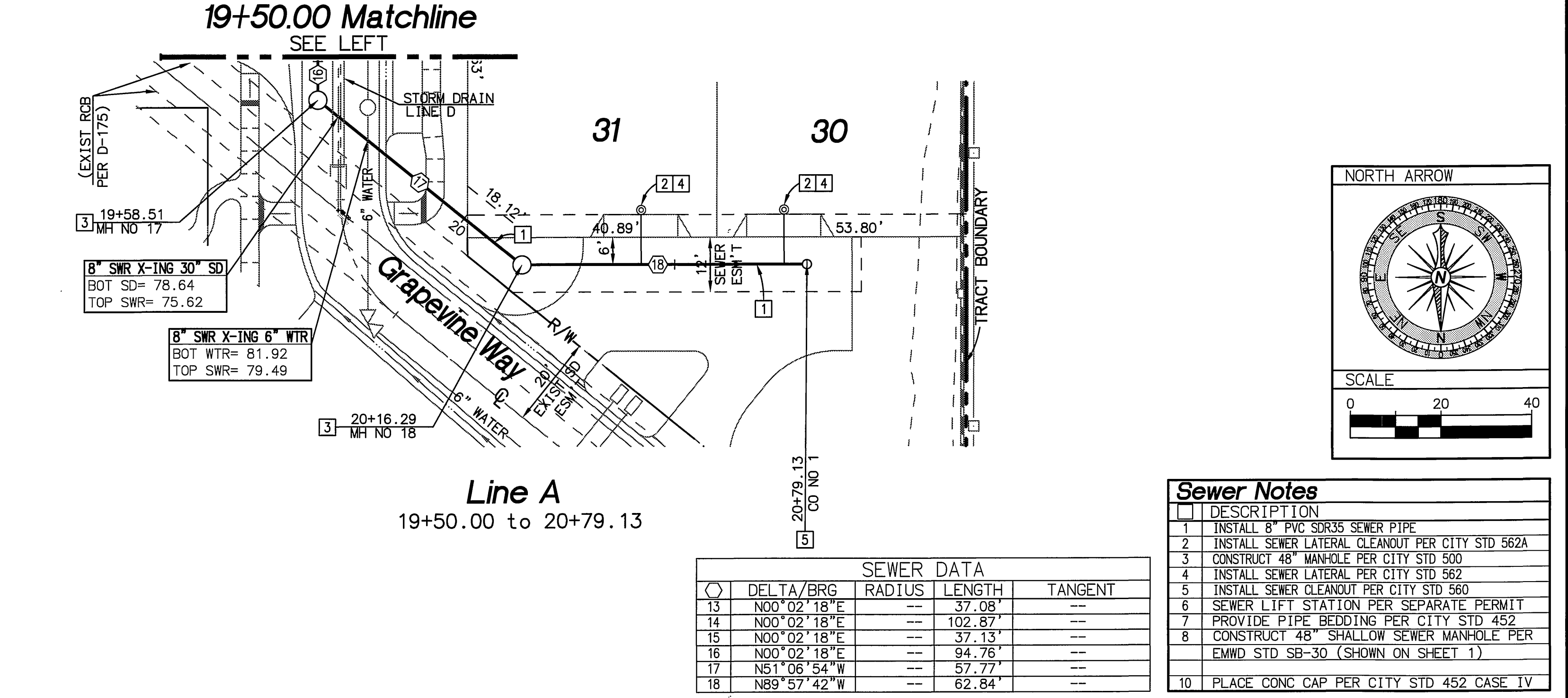
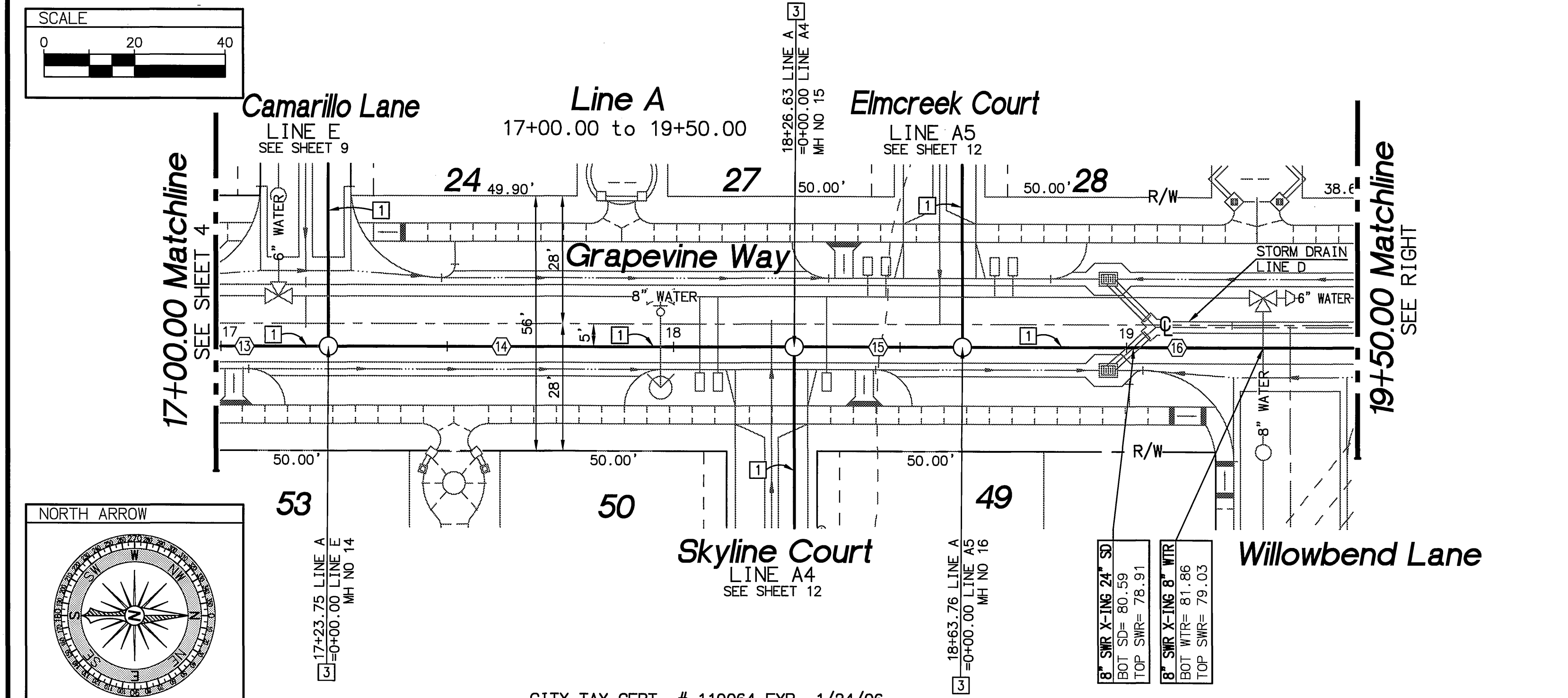
<p>UNDERGROUND SERVICE ALERT CALL: TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>PUBLIC UTILITIES WATER DIVISION</p> <p>APPROVED BY: <i>MW MAd</i> DATE: <i>11/14/05</i></p>	<p>BENCHMARK P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHEASTERLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET, DESIGNATED H5-H3 ELEVATION=784.689</p>	<p>PROFESSIONAL SEAL RUDY E. NUNEZ NO. C55955 Exp. 12/31/06 CIVIL ENGINEER STATE OF CALIFORNIA</p>	<p>PREPARED UNDER THE SUPERVISION OF: <i>[Signature]</i> R.C.E. C55955 EXP 12/31/06 DATE: <i>11-10-05</i></p>	<p>RENCivil ENGINEERING • SURVEYING • LAND PLANNING 41593 WINCHESTER RD., SUITE 120 TEMECULA CA 92590 951.296.1292 951.296.1164 FAX</p>	<p>City of Riverside, California PUBLIC WORKS DEPARTMENT</p>	<p>Sewer Improvement Plan Tract 31755</p>	<p>ACCOUNT NO. PW04-0786 S-1922</p>
						<p>APPROVED BY: <i>[Signature]</i> DATE: <i>11/14/05</i></p>	<p>LINE A 11+00.00 to 17+00.00</p>	<p>SHEET 4 OF 14 SHEETS FILE NO.</p>



PROFILE
 HORIZ. 1"=20'
 VERT. 1"=2'



17 18 19 20 21



Sewer Notes

NO.	DESCRIPTION
1	INSTALL 8" PVC SDR35 SEWER PIPE
2	INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
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10	PLACE CONC CAP PER CITY STD 452 CASE IV

SEWER DATA

NO.	DELTA/BRG	RADIUS	LENGTH	TANGENT
13	N00°02'18"E	---	37.08'	---
14	N00°02'18"E	---	102.87'	---
15	N00°02'18"E	---	37.13'	---
16	N00°02'18"E	---	94.76'	---
17	N51°06'54"W	---	57.77'	---
18	N89°57'42"W	---	62.84'	---

UNDERGROUND SERVICE ALERT
 CALL: TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

PUBLIC UTILITIES WATER DIVISION
 APPROVED BY: *MW McLeod* DATE: 11/14/05
 BENCHMARK: P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHEASTLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET. DESIGNATED H5-H3. ELEVATION=784.689

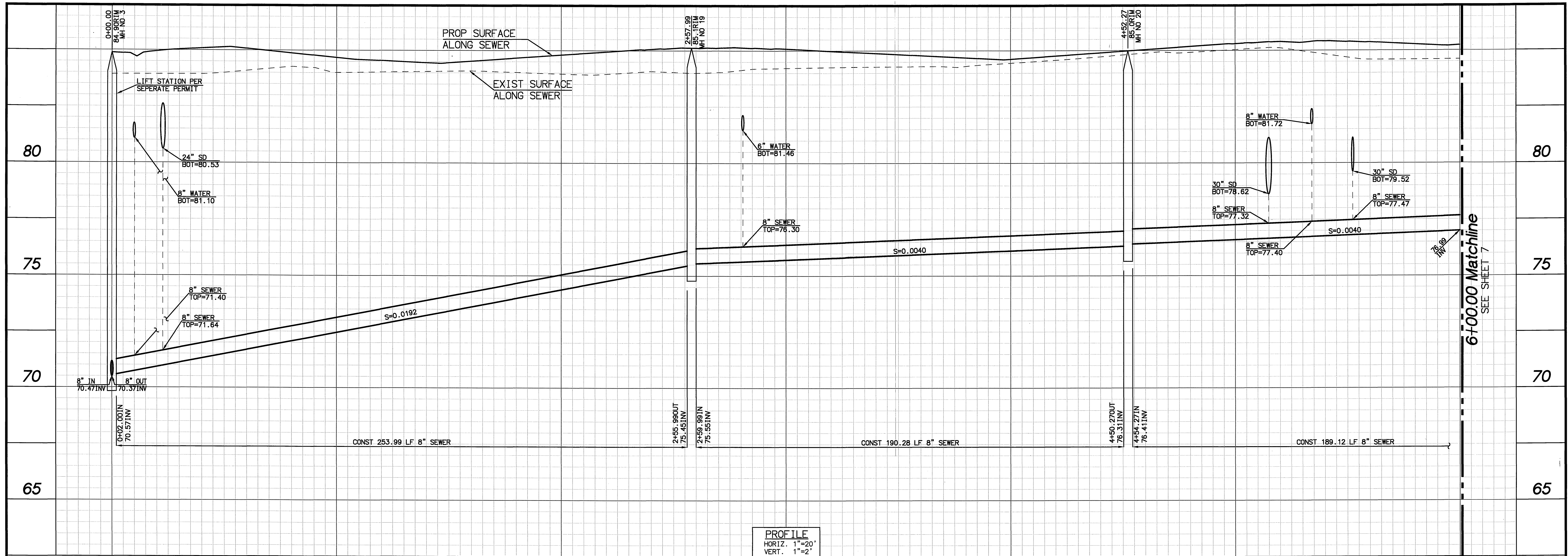
PREPARED UNDER THE SUPERVISION OF:
[Signature]
 R.C.E. C55955 EXP 12/31/06
 DATE: 11-10-05

RENCivil
 ENGINEERING • SURVEYING • LAND PLANNING
 41593 WINCHESTER RD, SUITE 120 TEMECULA CA 92590
 951.296.1292 951.296.1164 FAX

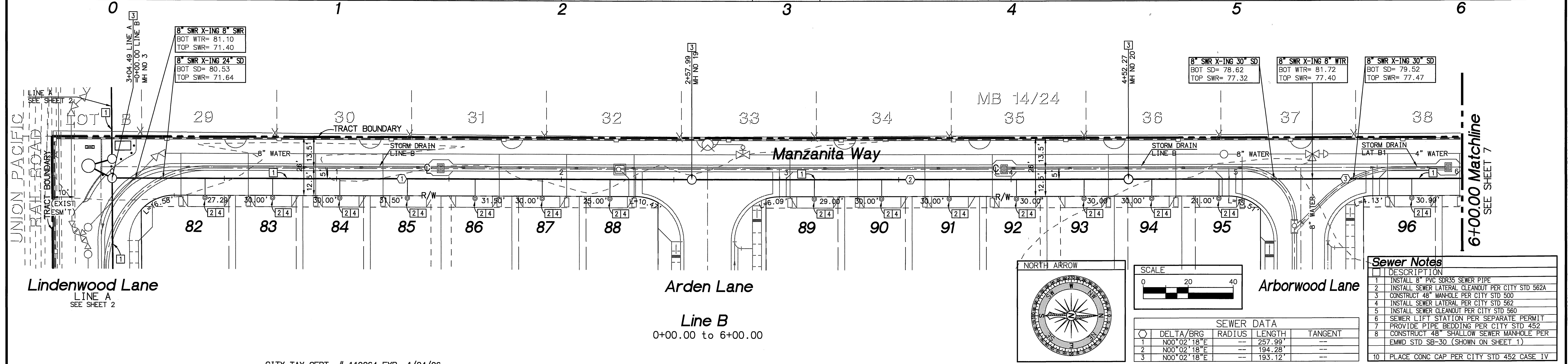
MARK DESIGNED BY: REN
 REVISIONS DRAWN BY: RLV
 APPR. DATE CHECKED BY: REN

City of Riverside, California
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *[Signature]* DATE: 11/14/05
 PRINCIPAL ENGINEER: *[Signature]*
 CITY ENGINEER: *[Signature]* DATE: 11/14/05

Sewer Improvement Plan
 Tract 31755
 LINE A
 17+00.00 to 20+79.13
 HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED
 ACCOUNT NO. PW04-0786
 S-1922
 SHEET 5 OF 14 SHEETS
 FILE NO. INDEXED 12-10-05 LHT



PROFILE
 HORIZ. 1"=20'
 VERT. 1"=2'



Sewer Notes

DESCRIPTION
1. INSTALL 8" PVC SDR35 SEWER PIPE
2. INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
3. CONSTRUCT 48" MANHOLE PER CITY STD 560
4. INSTALL SEWER LATERAL PER CITY STD 562
5. INSTALL SEWER CLEANOUT PER CITY STD 560
6. SEWER LIFT STATION PER SEPARATE PERMIT
7. PROVIDE PIPE BEDDING PER CITY STD 452
8. CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMWD STD SB-30 (SHOWN ON SHEET 1)
10. PLACE CONC CAP PER CITY STD 452 CASE IV

SEWER DATA

DELTA/BRG	RADIUS	LENGTH	TANGENT
1. N00°02'18"E	---	257.99'	---
2. N00°02'18"E	---	194.28'	---
3. N00°02'18"E	---	193.12'	---

CITY TAX CERT. # 119064 EXP. 1/24/06

UNDERGROUND SERVICE ALERT
 CALL: TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

PUBLIC UTILITIES WATER DIVISION

BENCHMARK
 P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHEASTLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET, DESIGNATED H5-H3
 ELEVATION=784.689

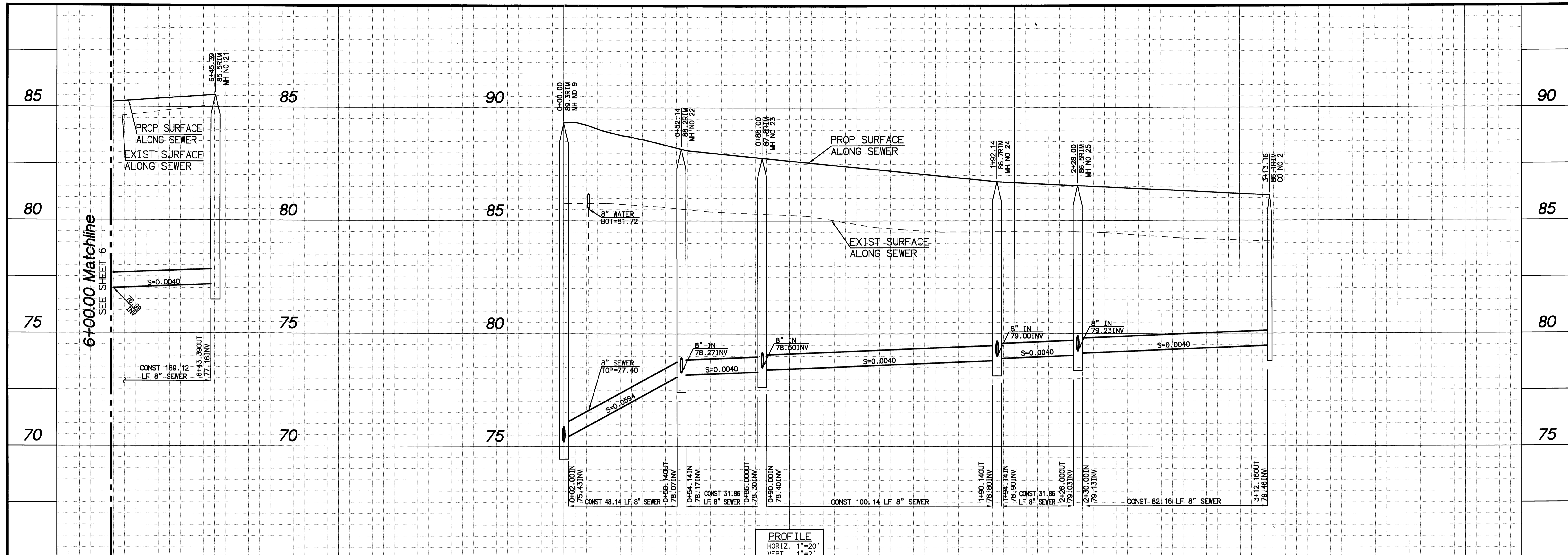
RENCivil
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 41593 WINCHESTER RD, SUITE 120 TEMECULA CA 92590
 951.296.1292 951.296.1164 FAX

City of Riverside, California
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature] DATE: 11/14/05
 PRINCIPAL ENGINEER: [Signature] DATE: 11/14/05
 CITY ENGINEER: [Signature] DATE: 11/14/05

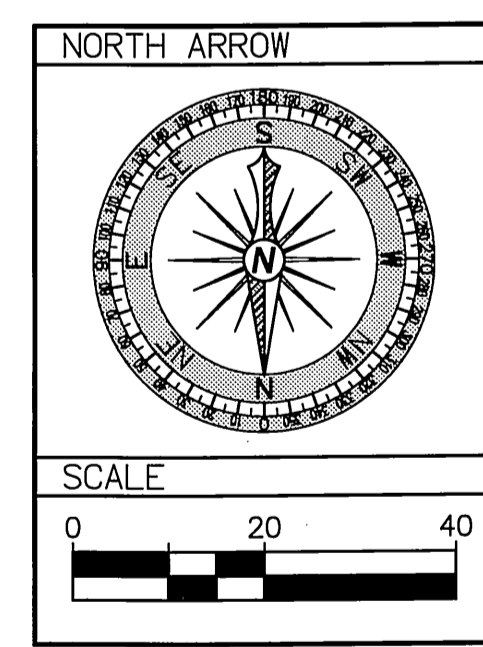
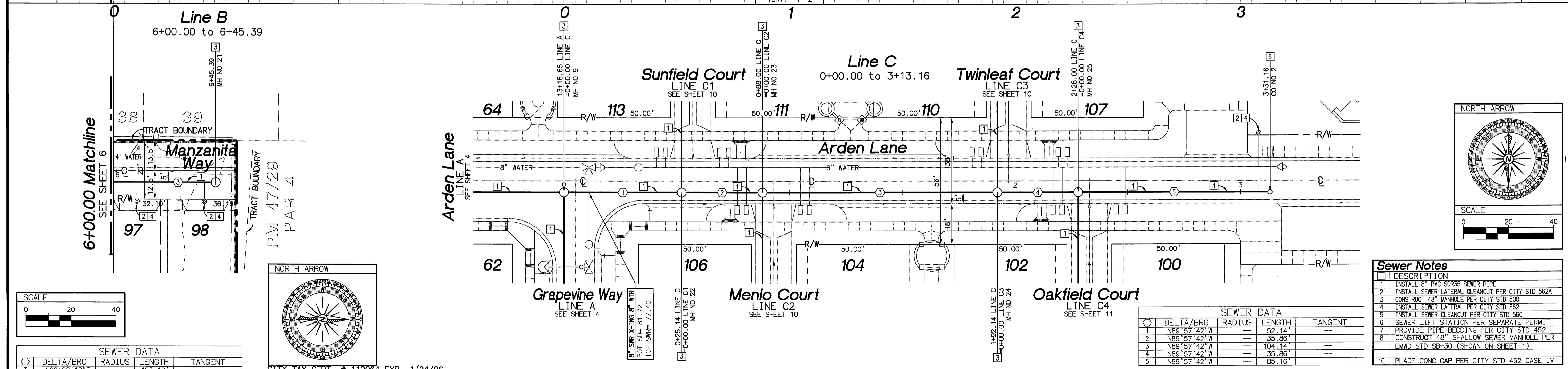
Sewer Improvement Plan
 Tract 31755
 LINE B
 0+00.00 to 6+00.00
 HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED

ACCOUNT NO. PW04-0786
S-1922
 SHEET **6** OF 14 SHEETS
 FILE NO.

INDEXED 12-10-05 fH



PROFILE
 HORIZ. 1"=20'
 VERT. 1"=2'



Sewer Notes

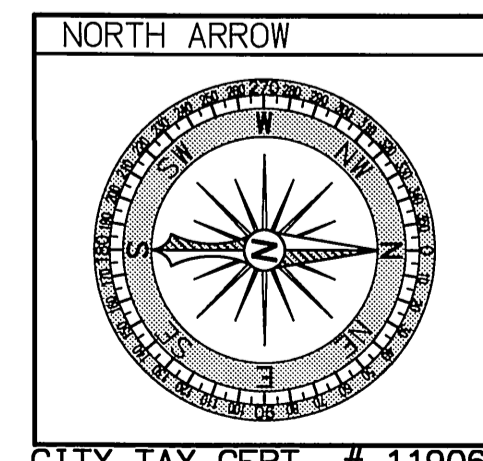
DESCRIPTION
1. INSTALL 8" PVC SDR35 SEWER PIPE
2. INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
3. CONSTRUCT 48" MANHOLE PER CITY STD 500
4. INSTALL SEWER LATERAL PER CITY STD 562
5. INSTALL SEWER CLEANOUT PER CITY STD 560
6. SEWER LIFT STATION PER SEPARATE PERMIT
7. PROVIDE PIPE BEDDING PER CITY STD 452
8. CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMWD STD SB-30 (SHOWN ON SHEET 1)
10. PLACE CONC CAP PER CITY STD 452 CASE IV

SEWER DATA

DELTA/BRG	RADIUS	LENGTH	TANGENT
1 N89°57'42"W	---	52.14'	---
2 N89°57'42"W	---	35.86'	---
3 N89°57'42"W	---	104.14'	---
4 N89°57'42"W	---	35.86'	---
5 N89°57'42"W	---	85.16'	---

SEWER DATA

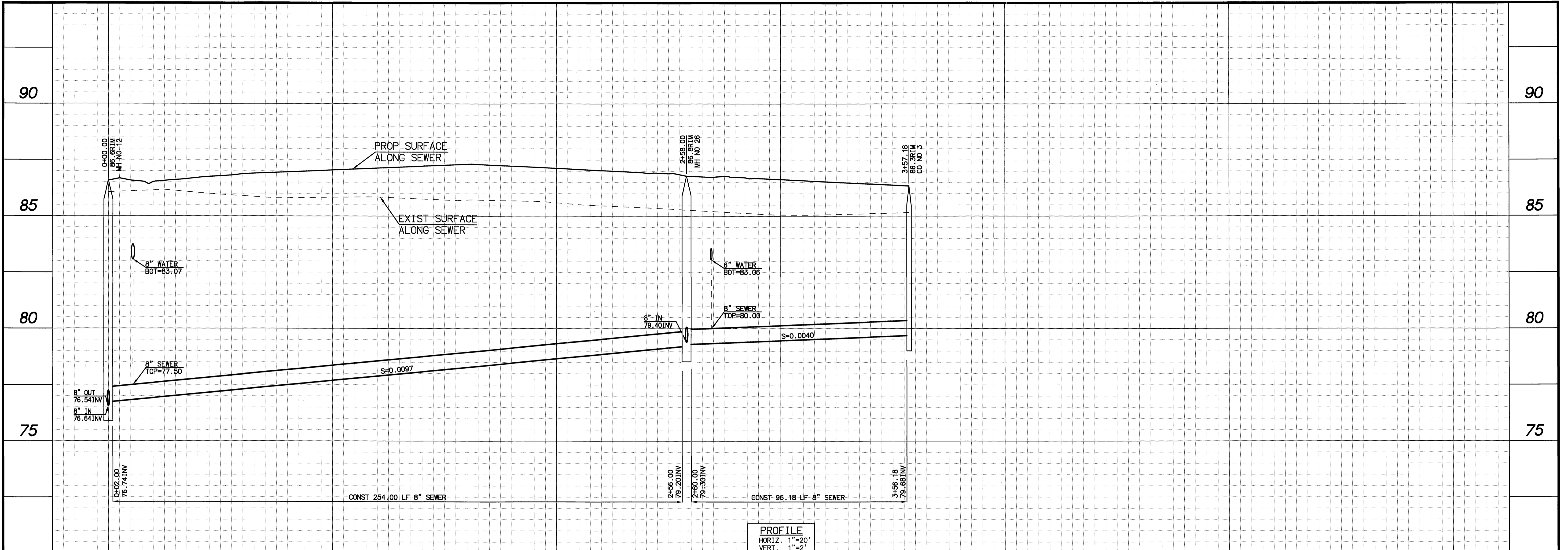
DELTA/BRG	RADIUS	LENGTH	TANGENT
3 N00°02'18"E	---	193.12'	---



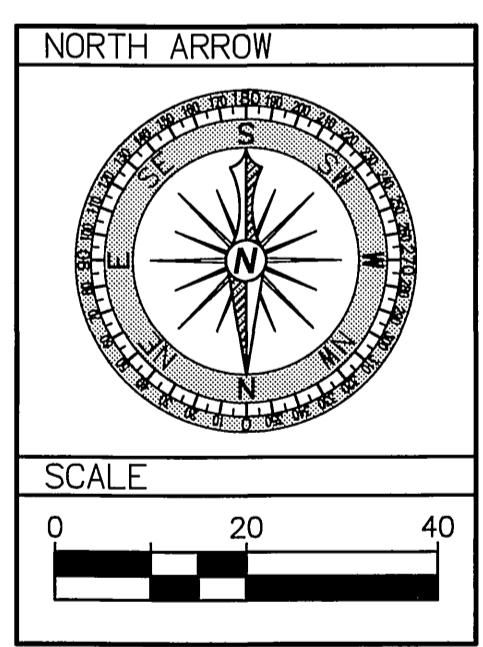
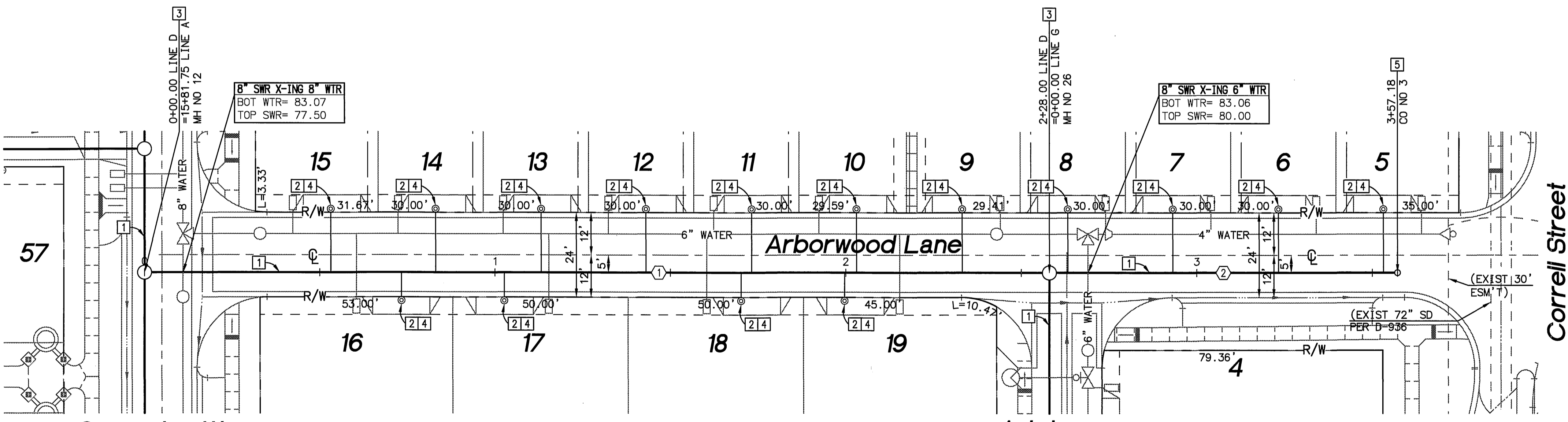
CITY TAX CERT. # 119064 EXP. 1/24/06

<p>UNDERGROUND SERVICE ALERT CALL: TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>PUBLIC UTILITIES WATER DIVISION</p> <p>APPROVED BY: <i>MW MML</i> DATE: <i>11/14/05</i></p>	<p>BENCHMARK P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHEASTLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET, DESIGNATED H5-H3 ELEVATION=784.689</p>	<p>PREPARED UNDER THE SUPERVISION OF: <i>[Signature]</i> R.C.E. C55955 EXP. 12/31/06 DATE: <i>11-10-05</i></p>	<p>RENCivil ENGINEERING • SURVEYING • LAND PLANNING 41593 WINCHESTER RD., SUITE 120 TEMECULA CA 92590 951.296.1292 951.296.1184 FAX</p>	<p>City of Riverside, California PUBLIC WORKS DEPARTMENT</p> <p>APPROVED BY: <i>[Signature]</i> BY: <i>[Signature]</i> DATE: <i>[Signature]</i></p> <p>PRINCIPAL ENGINEER: <i>[Signature]</i> CITY ENGINEER: <i>[Signature]</i> DATE: <i>[Signature]</i></p>	<p>Sewer Improvement Plan Tract 31755 LINE B 6+00.00 to 6+45.39 LINE C 0+00.00 to 3+13.16</p>	<p>ACCOUNT NO. PW04-0786 S-1922 SHEET 7 OF 14 SHEETS FILE NO.</p>

INDEXED 12-10-05 6-11



PROFILE
 HORIZ. 1"=20'
 VERT. 1"=2'



Sewer Notes

- INSTALL 8" PVC SUR35 SEWER PIPE
- INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
- CONSTRUCT 48" MANHOLE PER CITY STD 500
- INSTALL SEWER LATERAL PER CITY STD 562
- INSTALL SEWER CLEANOUT PER CITY STD 560
- SEWER LIFT STATION PER SEPARATE PERMIT
- PROVIDE PIPE BEDDING PER CITY STD 452
- CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMDD STD SB-30 (SHOWN ON SHEET 1)
- PLACE CONC CAP PER CITY STD 452 CASE IV

SEWER DATA				
Δ	DELTA/BRG	RADIUS	LENGTH	TANGENT
1	N89°57'42"W	--	258.00'	--
2	N89°57'42"W	--	99.18'	--

CITY TAX CERT. # 119064 EXP. 1/24/06

UNDERGROUND SERVICE ALERT

CALL: TOLL FREE 1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

PUBLIC UTILITIES WATER DIVISION

APPROVED BY: *MW McLeod* DATE: *11/19/05*

BENCHMARK
 P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHEASTERLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET. DESIGNATED H5-H3
 ELEVATION=784.689

PREPARED UNDER THE SUPERVISION OF:
[Signature]
 R.C.E. C55955 EXP 12/31/06
 DATE *11-10-05*

RENCivil
 ENGINEERING • SURVEYING • LAND PLANNING
 41593 WINCHESTER RD, SUITE 120 TEMECULA CA 92590
 951.296.1292 951.296.1164 FAX

City of Riverside, California
 PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: *11/19/05*

PRINCIPAL ENGINEER: *[Signature]*

CITY ENGINEER: *[Signature]* DATE: *11/19/05*

Sewer Improvement Plan
 Tract 31755

ACCOUNT NO. PW04-0786

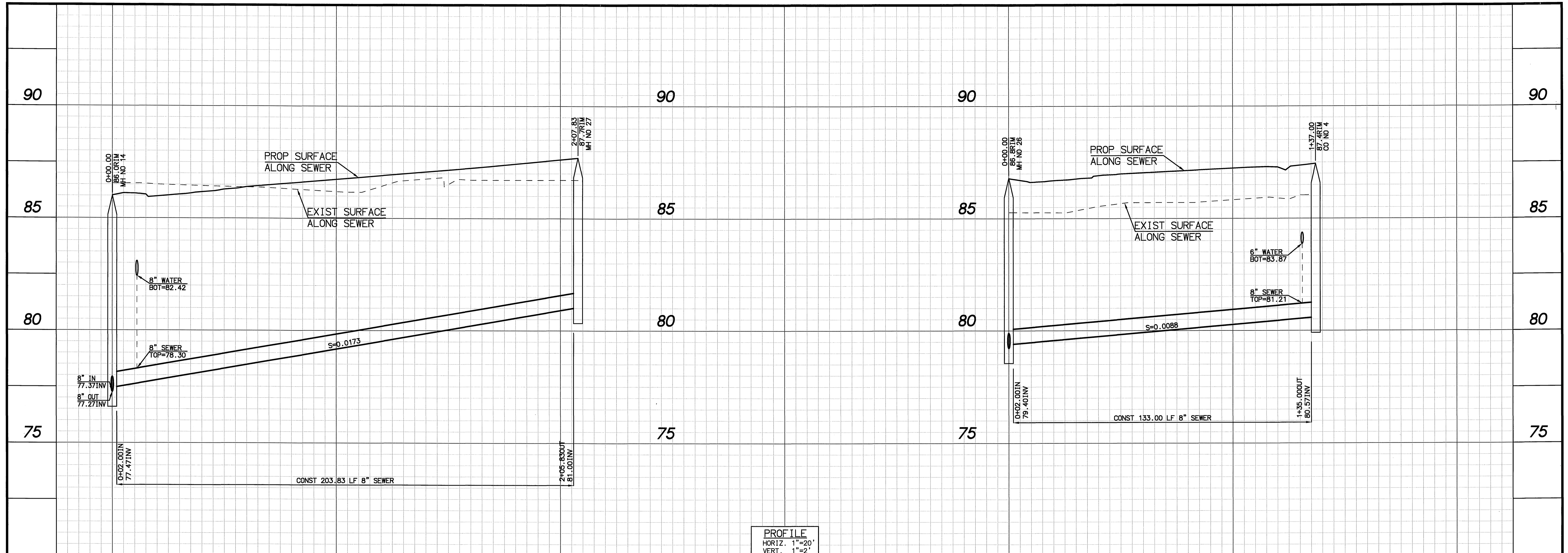
S-1922

LINE D
 0+00.00 to 3+57.18

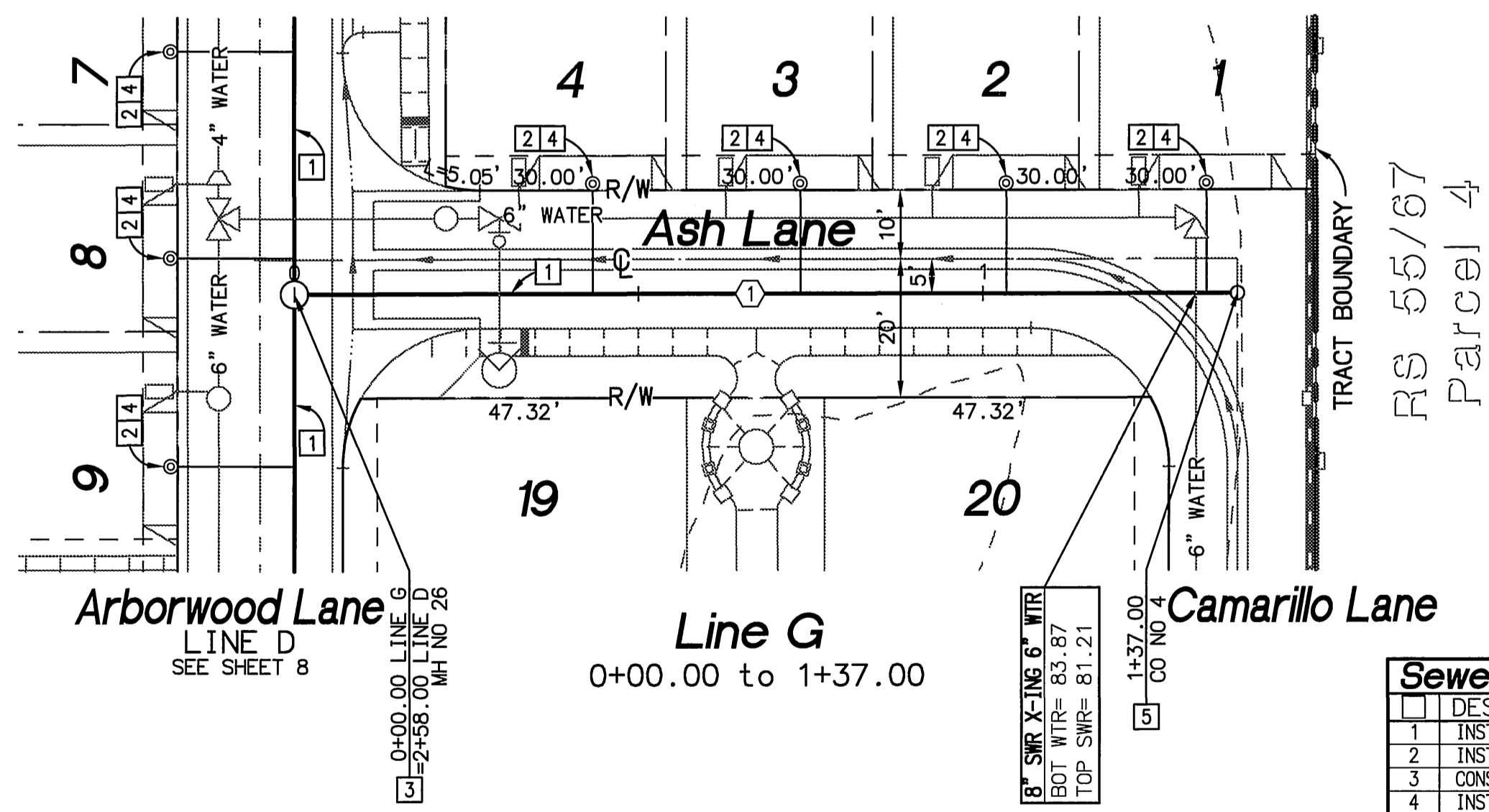
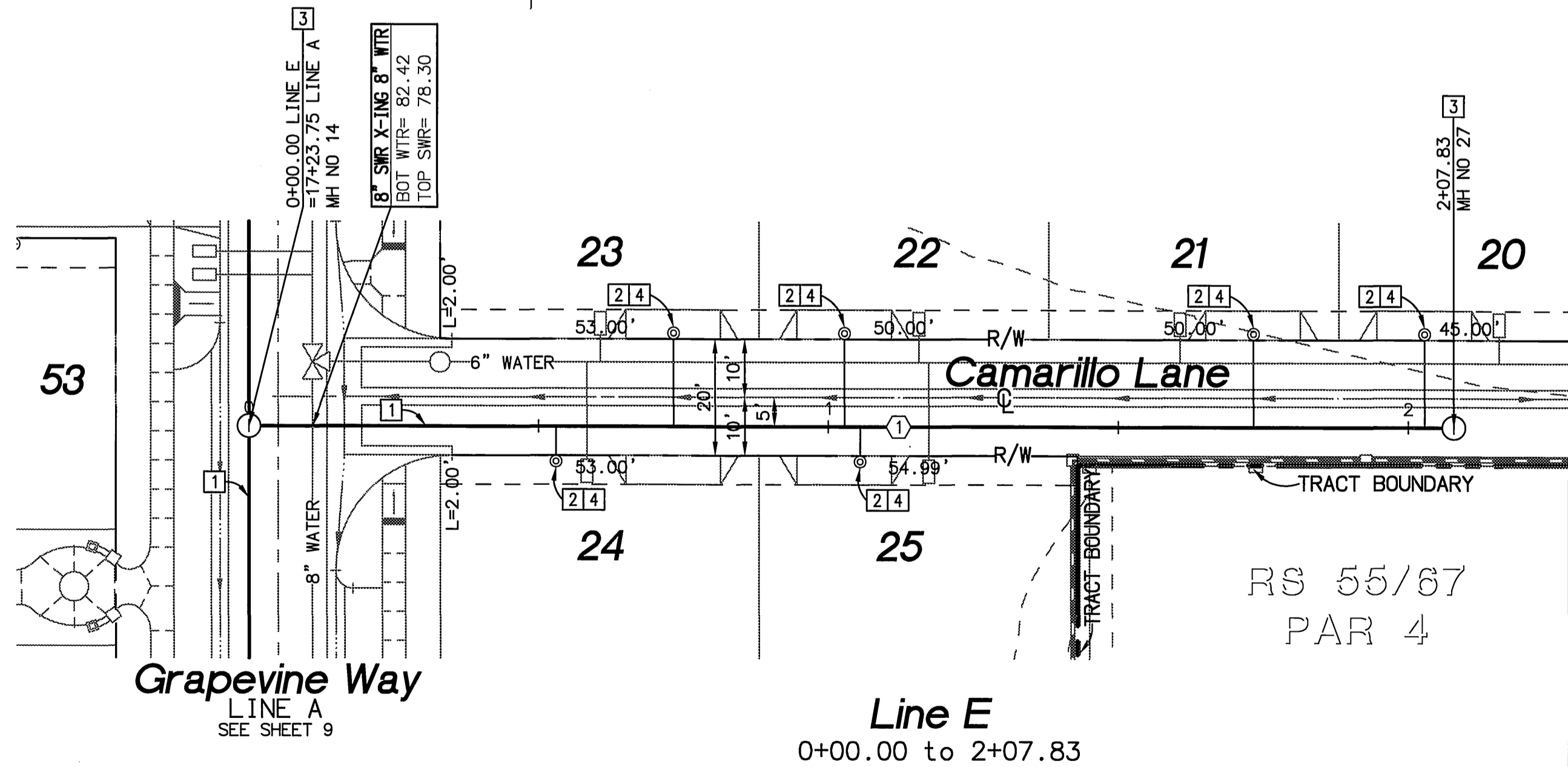
HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED

FILE NO. **8 of 14 SHEETS**

INDEXED 12-10-05 Lfk

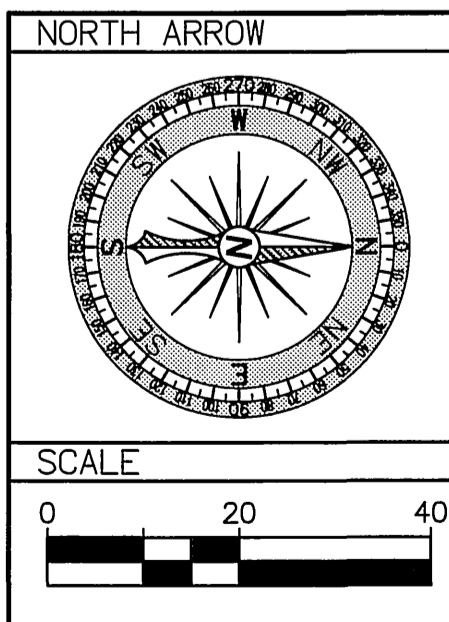
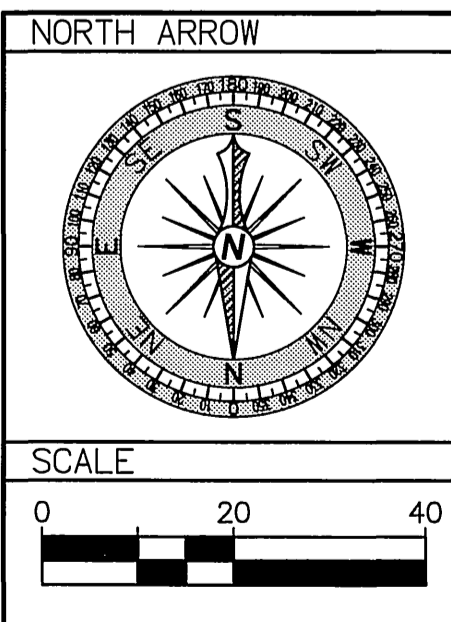


PROFILE
 HORIZ. 1"=20'
 VERT. 1"=2'



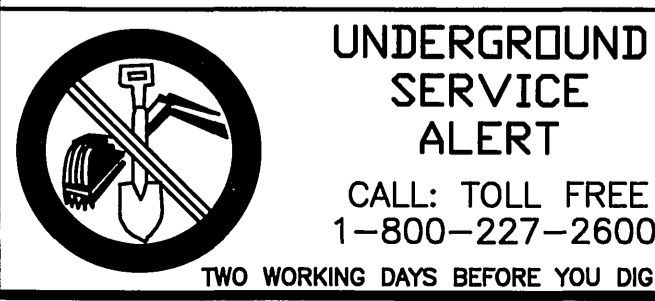
SEWER DATA			
DELTA/BRG	RADIUS	LENGTH	TANGENT
1 N89°57'42"W		207.83'	

CITY TAX CERT. # 119064 EXP. 1/24/06



SEWER DATA			
DELTA/BRG	RADIUS	LENGTH	TANGENT
1 N00°02'18"E		137.00'	

Sewer Notes	
1	INSTALL 8" PVC SD305 SEWER PIPE
2	INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
3	CONSTRUCT 48" MANHOLE PER CITY STD 500
4	INSTALL SEWER LATERAL PER CITY STD 562
5	INSTALL SEWER CLEANOUT PER CITY STD 560
6	SEWER LIFT STATION PER SEPARATE PERMIT
7	PROVIDE PIPE BEDDING PER CITY STD 452
8	CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMWD STD SB-30 (SHOWN ON SHEET 1)
10	PLACE CONC CAP PER CITY STD 452 CASE IV



PUBLIC UTILITIES WATER DIVISION
 APPROVED BY: *MW MML* DATE: 11/10/05
 BENCHMARK: P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHEASTLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET. DESIGNATED H5-H3
 ELEVATION=784.689

PREPARED UNDER THE SUPERVISION OF:
[Signature]
 R.C.E. C55955 Exp. 12/31/06
 DATE: 11-10-05



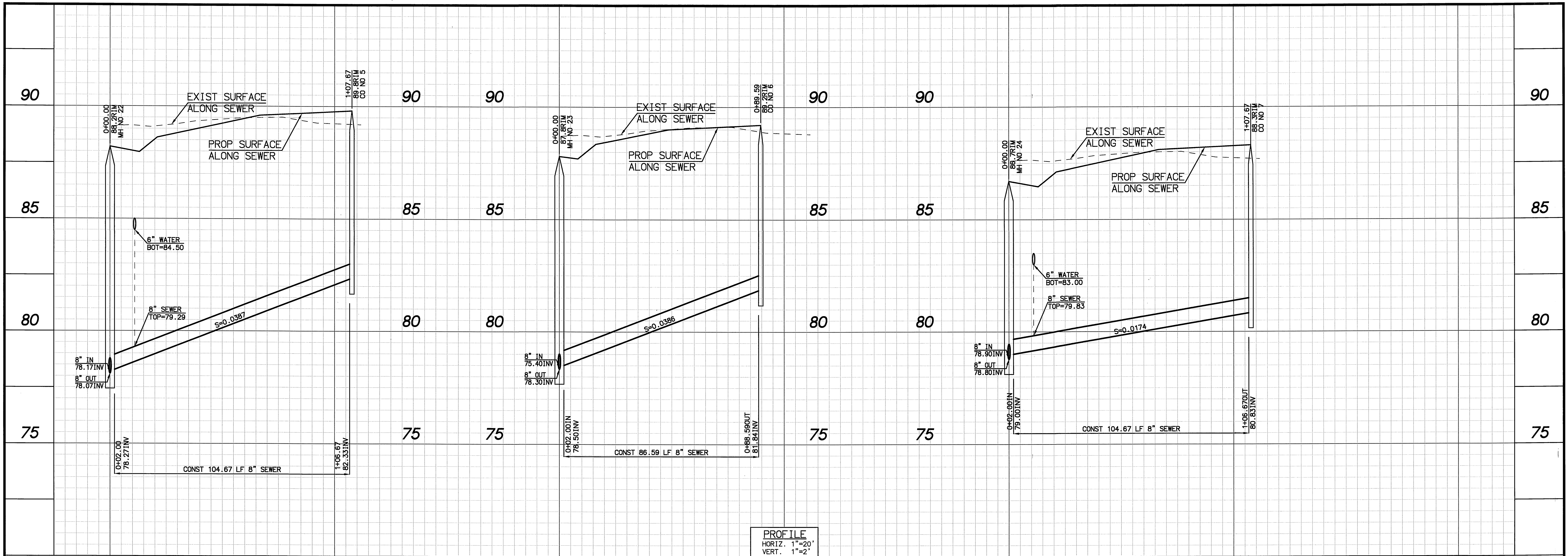
MARK REVISIONS APPR DATE
 DESIGNED BY: REN DRAWN BY: RLV CHECKED BY: REN

City of Riverside, California
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *[Signature]* DATE: 11/10/05
 PRINCIPAL ENGINEER
 CITY ENGINEER
 DATE: 11/10/05

Sewer Improvement Plan
 Tract 31755
 LINE E
 0+00.00 to 2+07.83
 LINE G
 0+00.00 to 1+37.00
 HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED
 ACCOUNT NO. PW04-0786
 S-1922
 SHEET 9 OF 14 SHEETS
 FILE NO.

RIZ

INDEXED 12-10-05 LHM



PROFILE
 HORIZ. 1"=20'
 VERT. 1"=2'

Line C1
 0+00.00 to 1+07.67

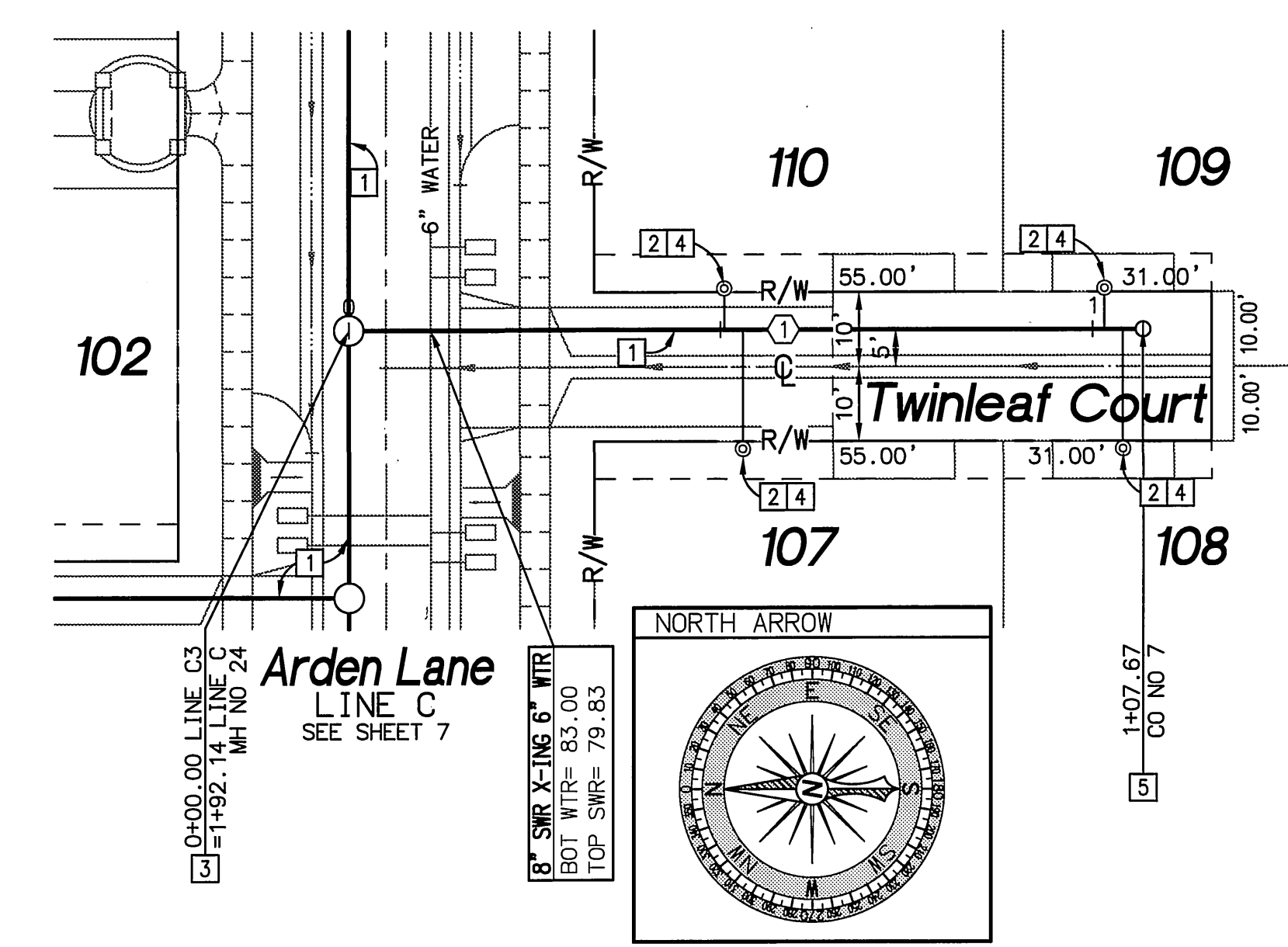
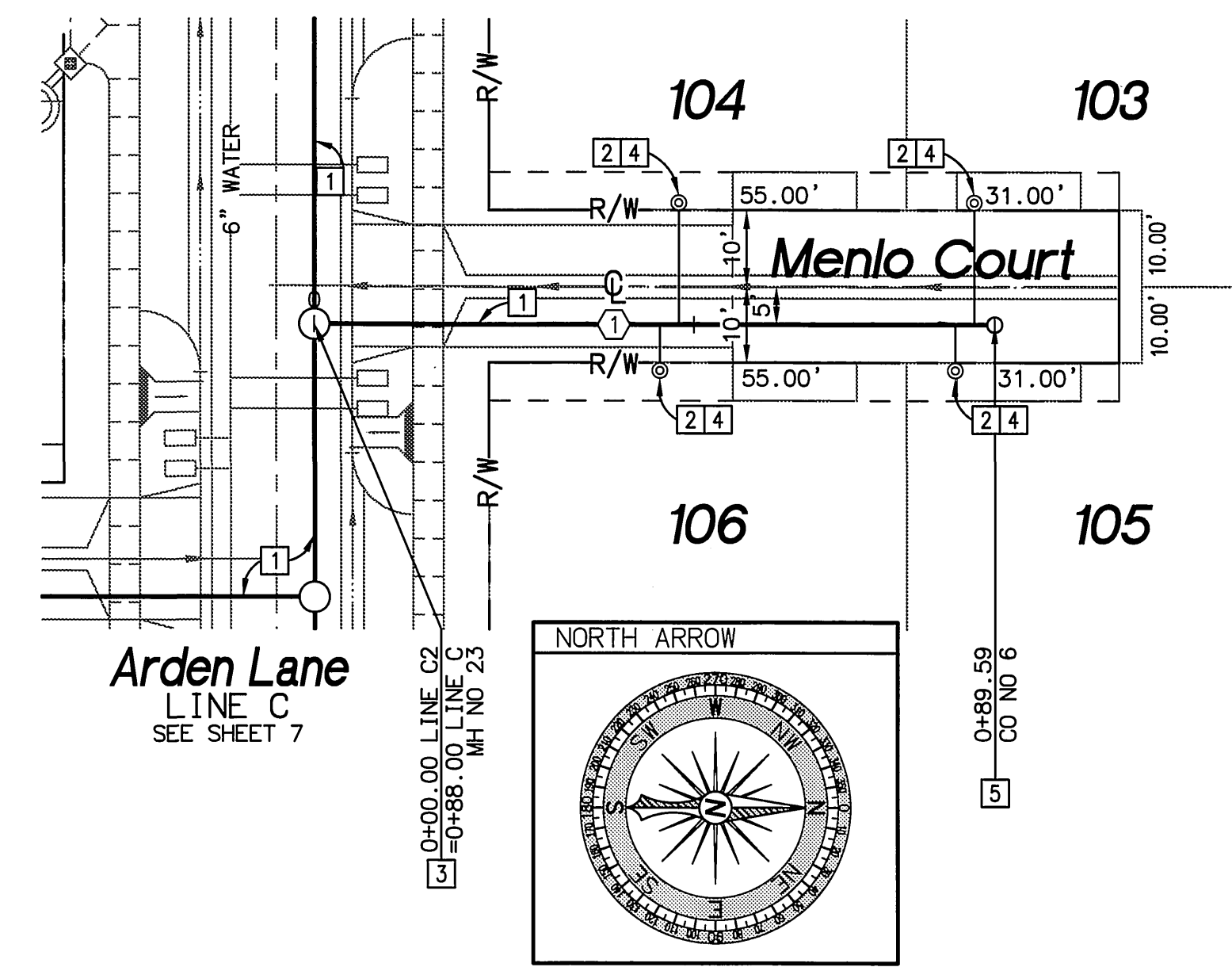
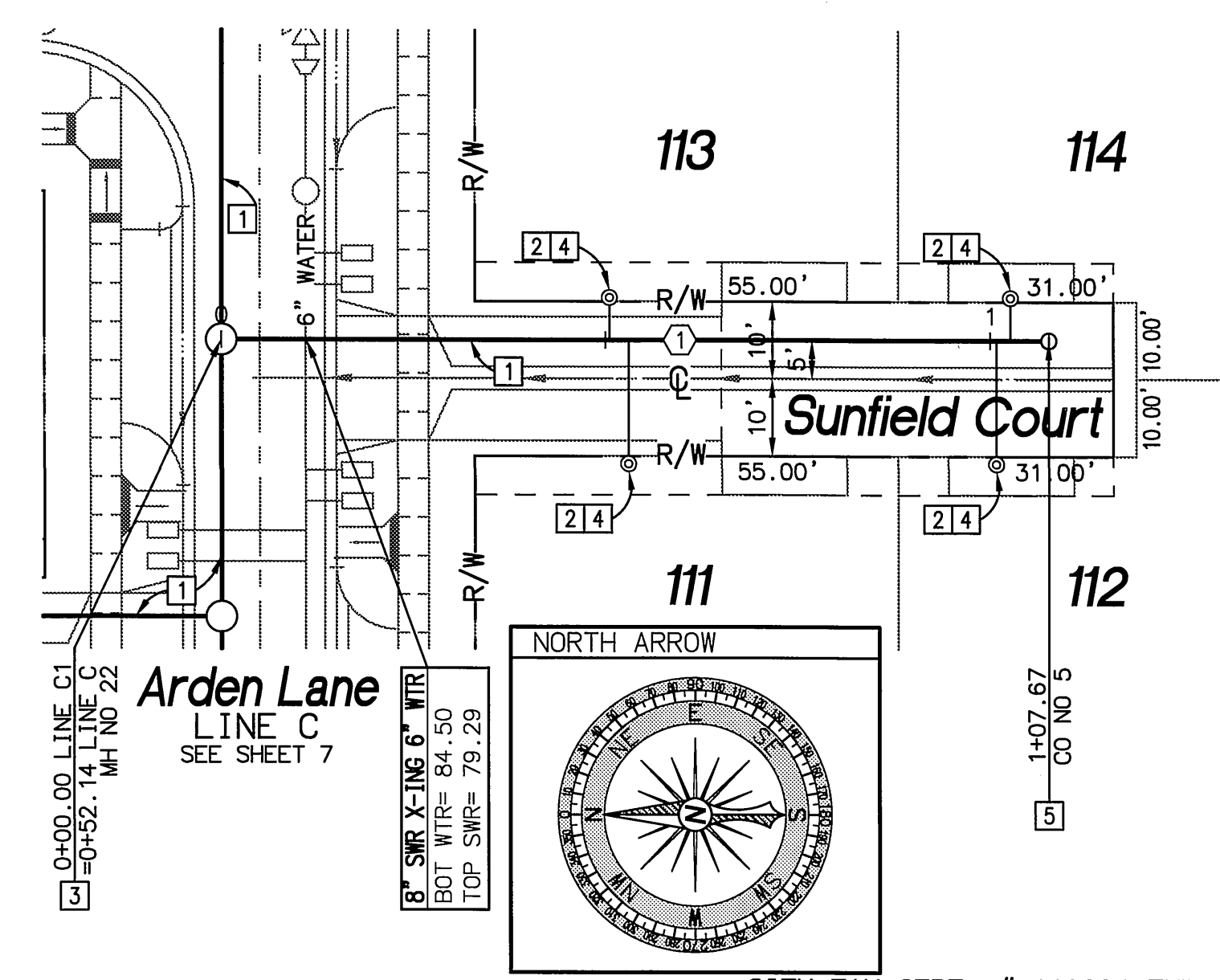
Line C2
 0+00.00 to 0+89.59

Line C3
 0+00.00 to 1+07.67

SEWER DATA			
DELTA/BRG	RADIUS	LENGTH	TANGENT
1	N00°02'18"E	107.67'	--

SEWER DATA			
DELTA/BRG	RADIUS	LENGTH	TANGENT
1	N00°02'18"E	89.59'	--

SEWER DATA			
DELTA/BRG	RADIUS	LENGTH	TANGENT
1	N00°02'18"E	106.79'	--



- Sewer Notes**
1. INSTALL 8" PVC SDR35 SEWER PIPE
 2. INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
 3. CONSTRUCT 48" MANHOLE PER CITY STD 500
 4. INSTALL SEWER LATERAL PER CITY STD 562
 5. INSTALL SEWER CLEANOUT PER CITY STD 560
 6. SEWER LIFT STATION PER SEPARATE PERMIT
 7. PROVIDE PIPE BEDDING PER CITY STD 452
 8. CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMWD STD SB-30 (SHOWN ON SHEET 1)
 10. PLACE CONC CAP PER CITY STD 452 CASE 1V

UNDERGROUND SERVICE ALERT
 CALL: TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

PUBLIC UTILITIES WATER DIVISION
 BENCHMARK
 P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHEASTERLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET. DESIGNATED HS-H3
 ELEVATION=784.689

PREPARED UNDER THE SUPERVISION OF:

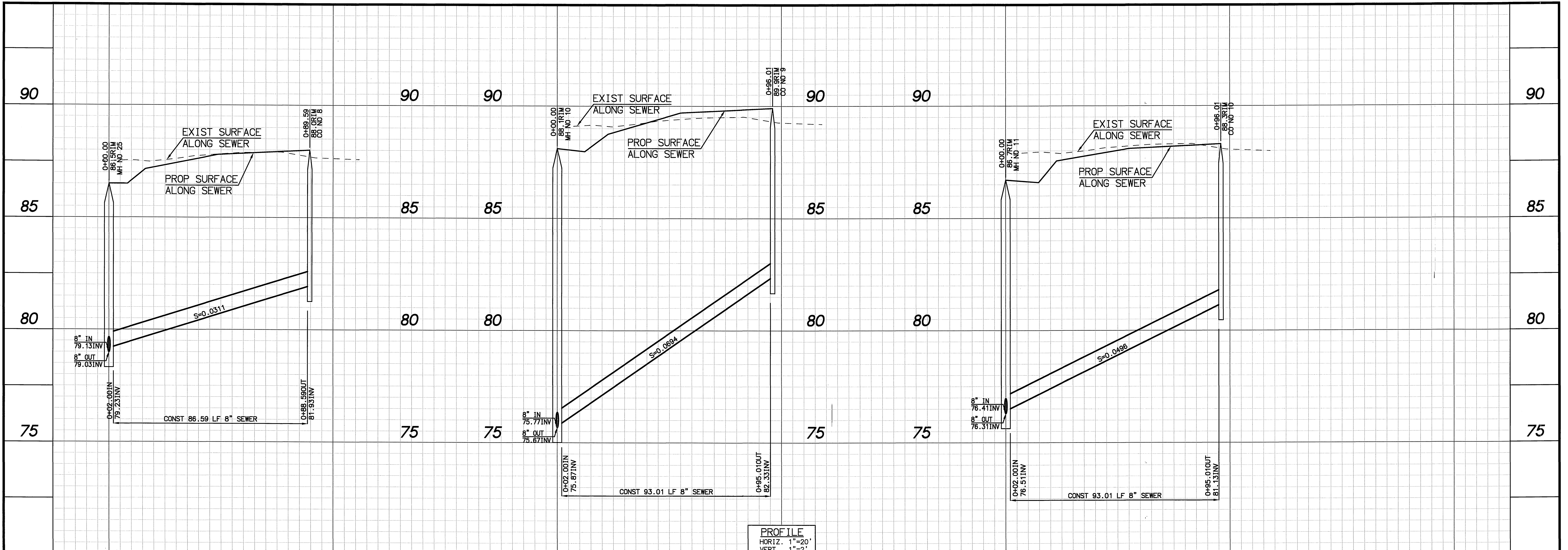
 R.C.E. C55955 EXP 12/31/06
 DATE 11-10-05

RENCivil
 ENGINEERING • SURVEYING • LAND PLANNING
 41593 WINCHESTER RD., SUITE 120 TEMECULA CA 92590
 951.296.1292 951.296.1164 FAX

MARK _____ REVISIONS _____ APPR. DATE _____
 DESIGNED BY REN DRAWN BY RLV CHECKED BY REN

City of Riverside, California
 PUBLIC WORKS DEPARTMENT
 APPROVED BY _____ BY DATE _____ APPROVED BY: _____
 PRINCIPAL ENGINEER _____
 CITY ENGINEER _____
 DATE 11/10/05

Sewer Improvement Plan
 Tract 31755
 LINE C1 0+00.00 to 1+07.67
 LINE C2 0+00.00 to 0+89.59
 LINE C3 0+00.00 to 1+07.67
 HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED
 ACCOUNT NO. PW04-0786
S-1922
 SHEET 10 OF 14 SHEETS
 FILE NO. _____



PROFILE
 HORIZ. 1"=20'
 VERT. 1"=2'

Line C4
 0+00.00 to 0+89.59

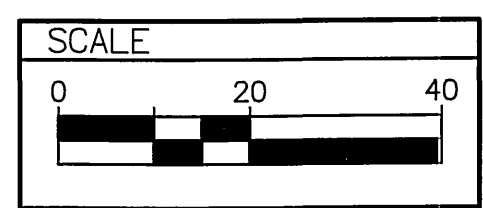
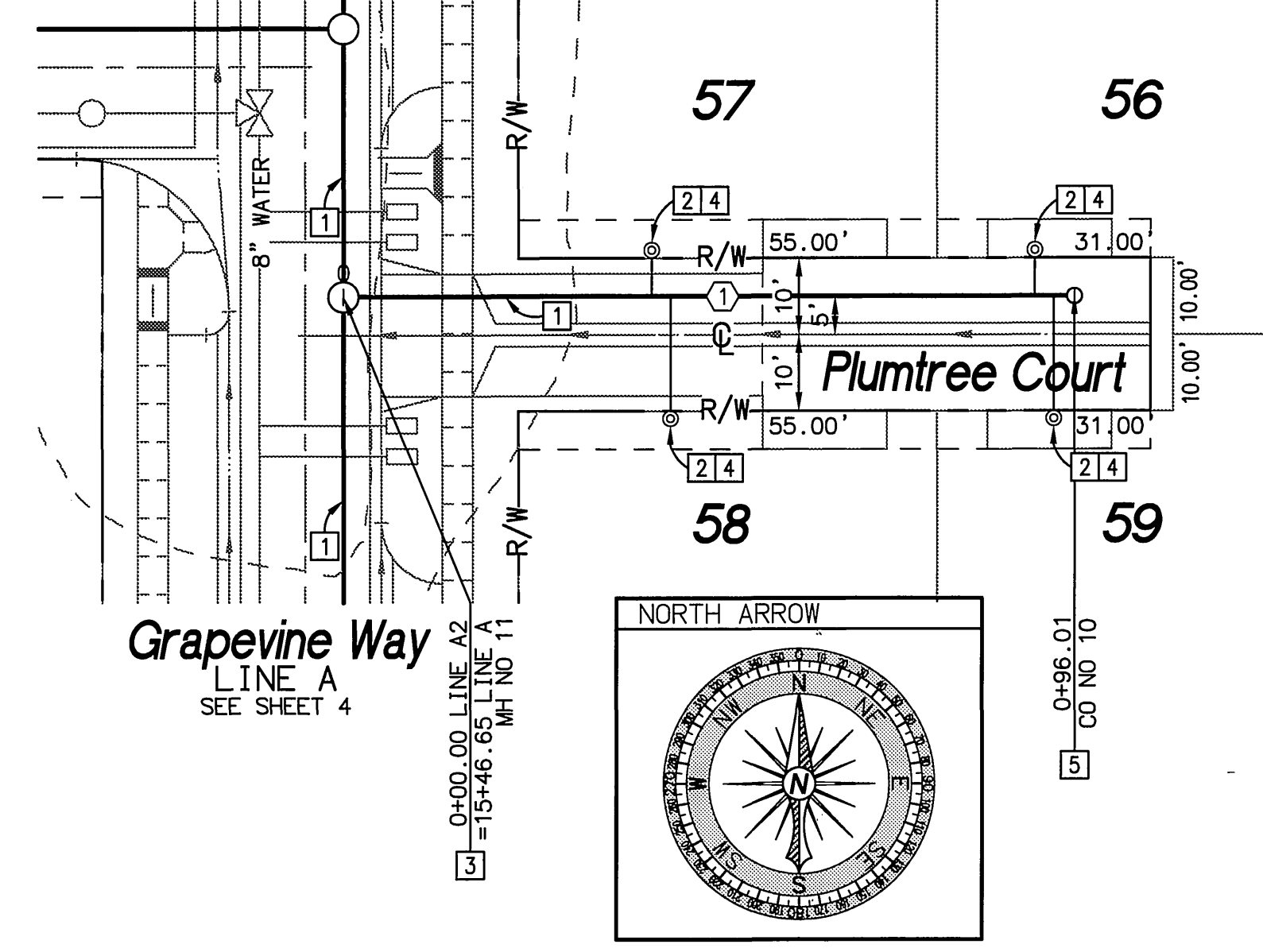
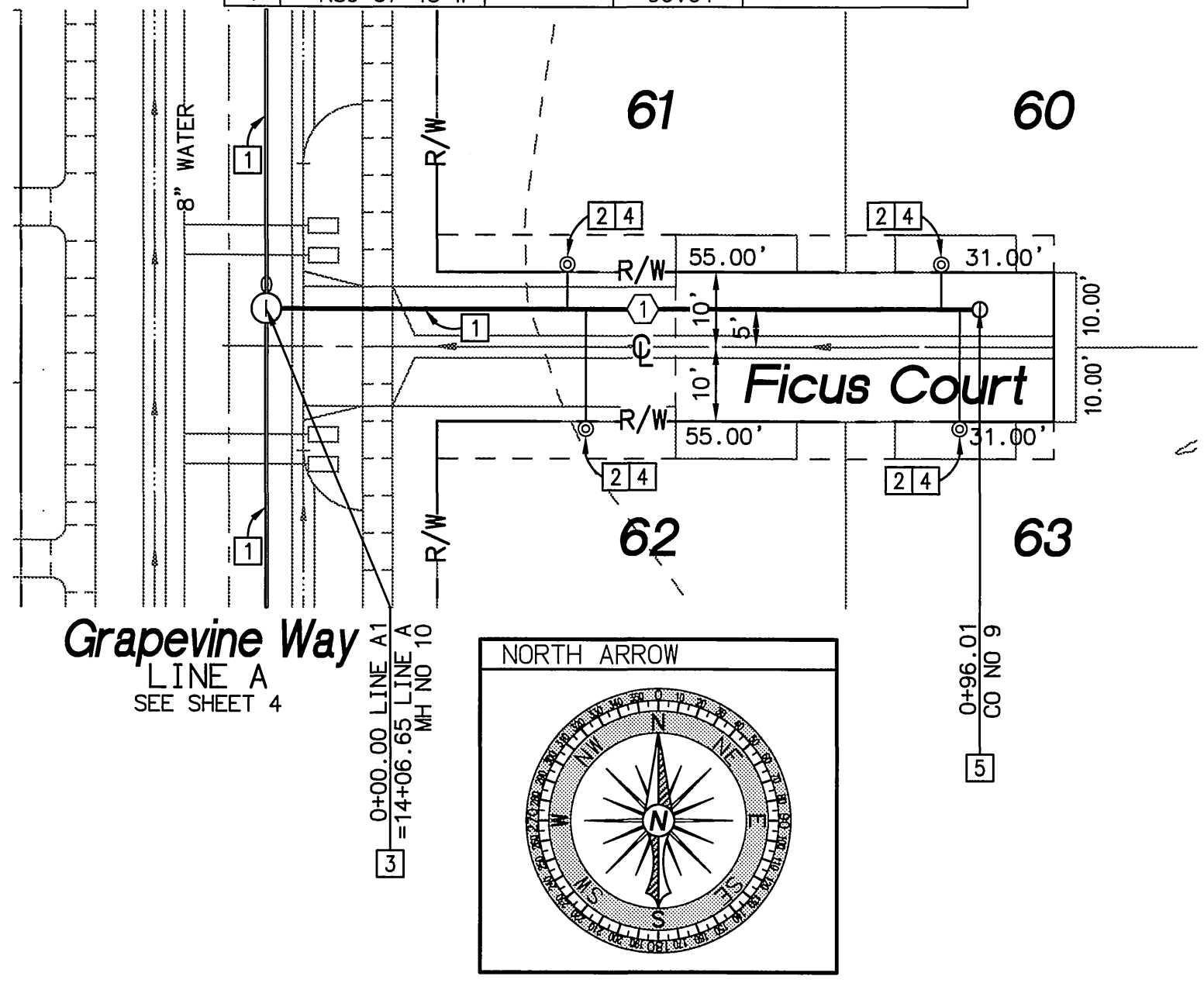
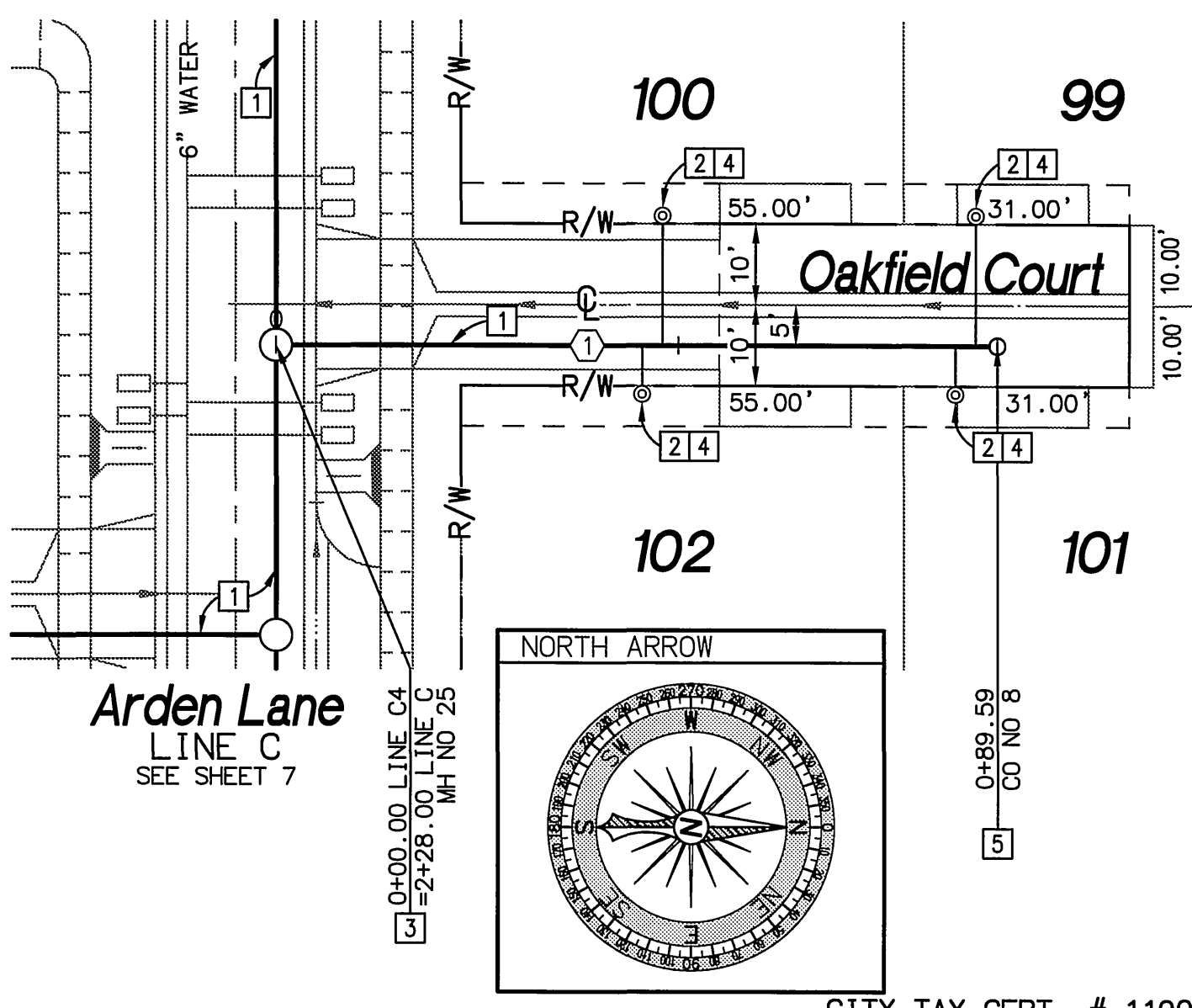
Line A1
 0+00.00 to 0+96.01

Line A2
 0+00.00 to 0+96.01

SEWER DATA				
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1	N00°02'18"E	--	89.59'	--

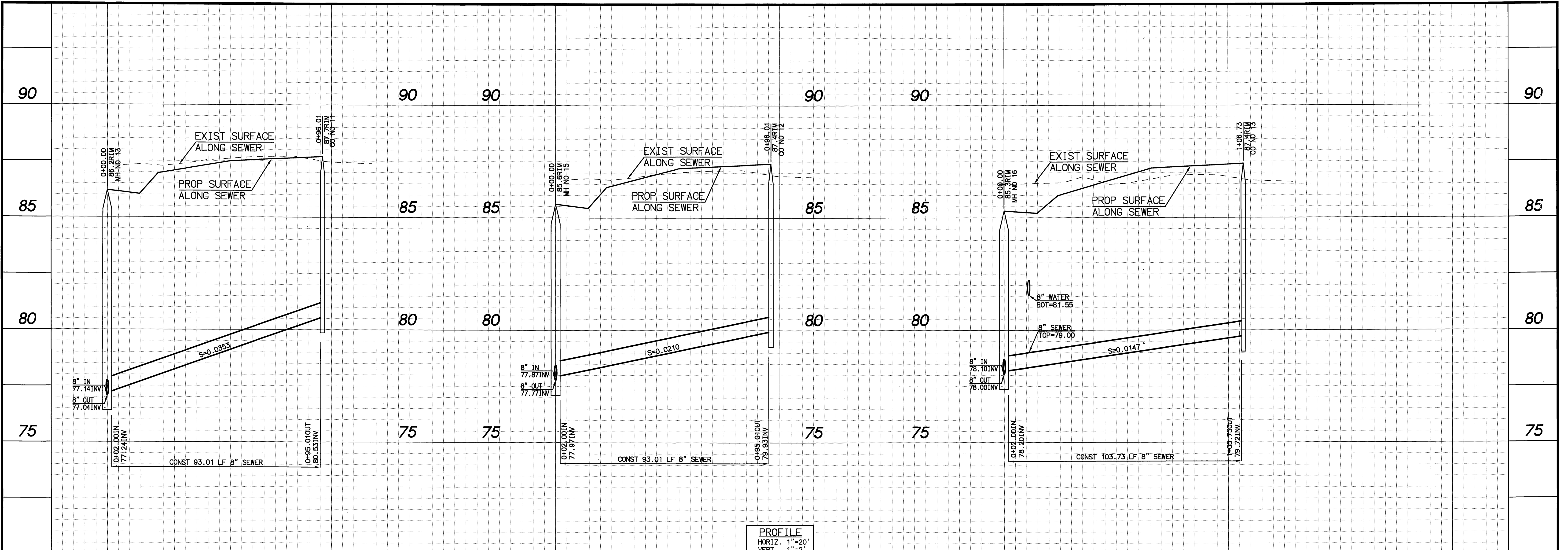
SEWER DATA				
Δ	DELTA/BRG	RADIUS	LENGTH	TANGENT
1	N89°57'45"W	--	96.01'	--

SEWER DATA				
Δ	DELTA/BRG	RADIUS	LENGTH	TANGENT
1	N89°57'45"W	--	96.01'	--



- Sewer Notes**
1. INSTALL 8" PVC SDR35 SEWER PIPE
 2. INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
 3. CONSTRUCT 48" MANHOLE PER CITY STD 500
 4. INSTALL SEWER LATERAL PER CITY STD 562
 5. INSTALL SEWER CLEANOUT PER CITY STD 560
 6. SEWER LIFT STATION PER SEPARATE PERMIT
 7. PROVIDE PIPE BEDDING PER CITY STD 452
 8. CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMDD STD SB-30 (SHOWN ON SHEET 1)
 10. PLACE CONC CAP PER CITY STD 452 CASE IV

<p>UNDERGROUND SERVICE ALERT CALL: TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>PUBLIC UTILITIES WATER DIVISION</p>	<p>BENCHMARK P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHEASTERLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET. DESIGNATED H5-H3 ELEVATION=784.689</p>	<p>PROFESSIONAL SEAL NO. C55955 Exp. 12/31/06 CIVIL</p>	<p>PREPARED UNDER THE SUPERVISION OF: R.C.E. C55955 EXP 12/31/06 DATE 11-10-05</p>	<p>RENCivil ENGINEERING • SURVEYING • LAND PLANNING 41593 WINCHESTER RD, SUITE 120 TEMECULA CA 92590 951.296.1292 951.296.1164 FAX</p>	<p>City of Riverside, California PUBLIC WORKS DEPARTMENT</p> <p>APPROVED BY: PRINCIPAL ENGINEER DATE 11/28/05</p>	<p>Sewer Improvement Plan Tract 31755 LINE C4 0+00.00 to 0+89.59 LINE A1 0+00.00 to 0+96.01 LINE A2 0+00.00 to 0+96.01</p>	<p>ACCOUNT NO. PW04-0786 S-1922 SHEET 11 OF 14 SHEETS FILE NO.</p>
	<p>APPROVED BY: DATE 11/10/05</p>		<p>MARK REVISIONS APPR. DATE DESIGNED BY: REN DRAWN BY: RLV CHECKED BY: REN</p>		<p>INDEXED 12-10-05 LPH</p>			



PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

Line A3
0+00.00 to 0+96.01

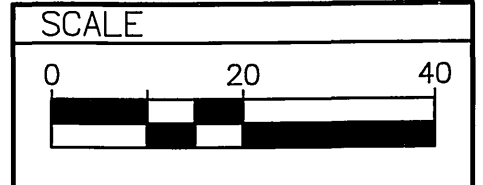
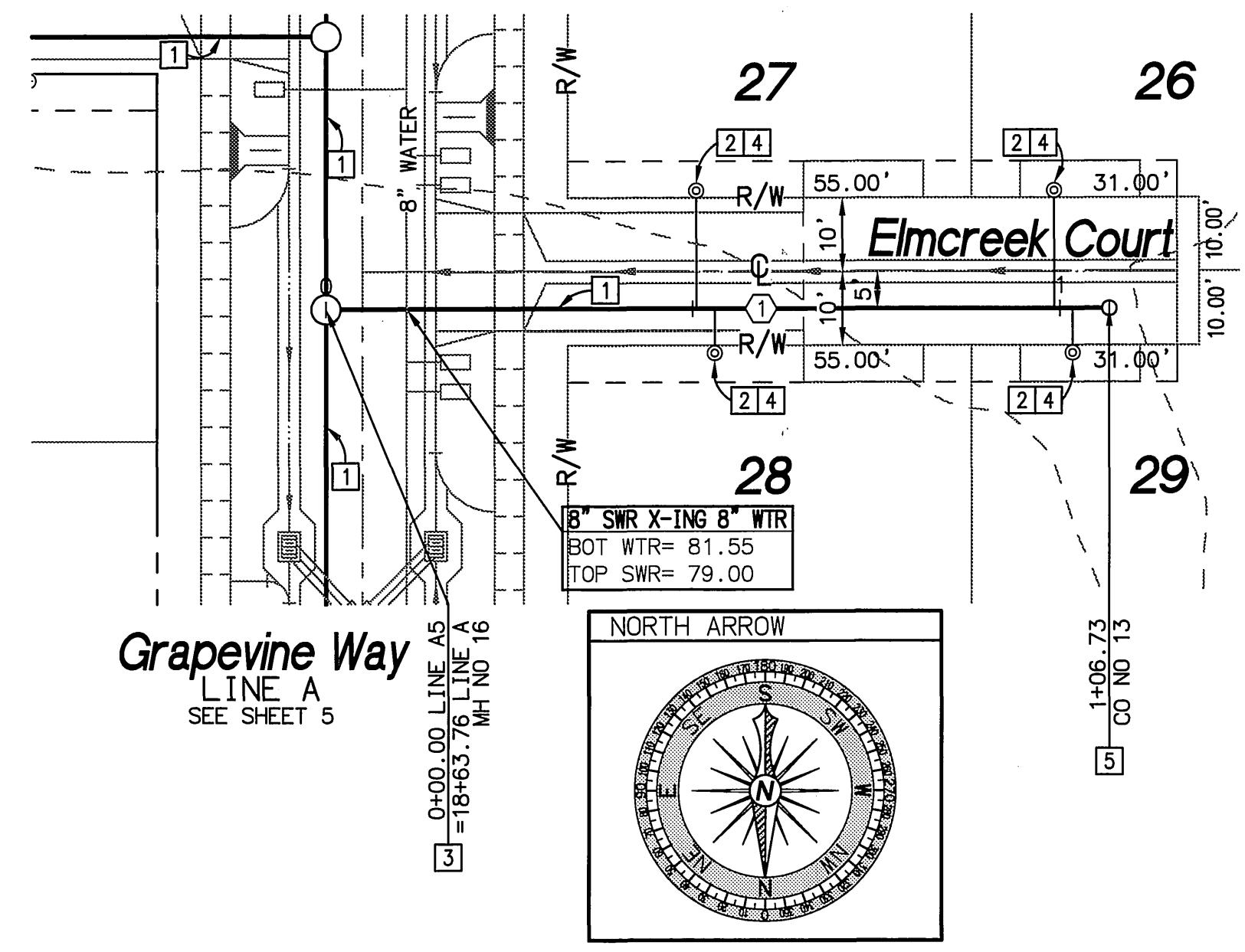
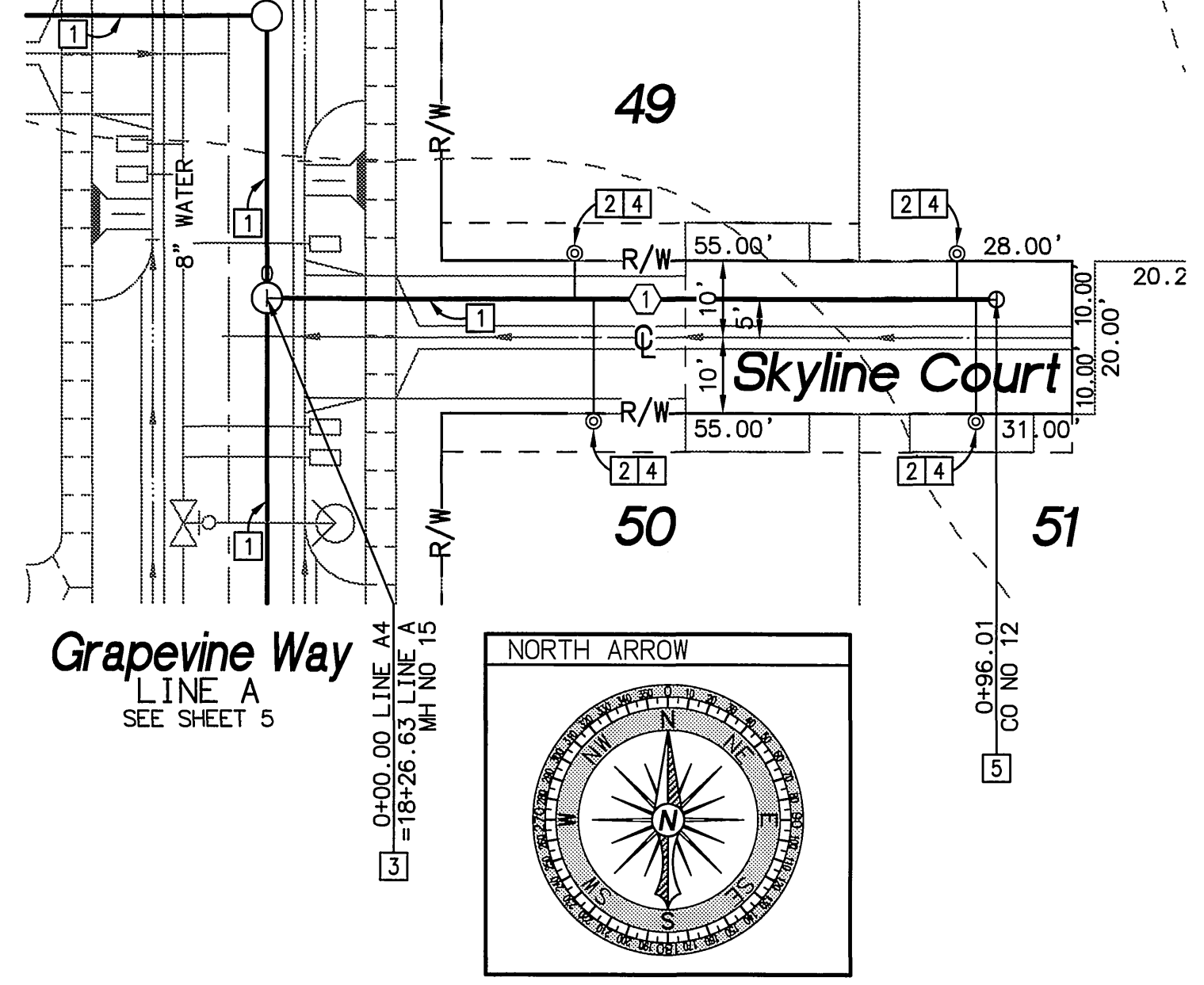
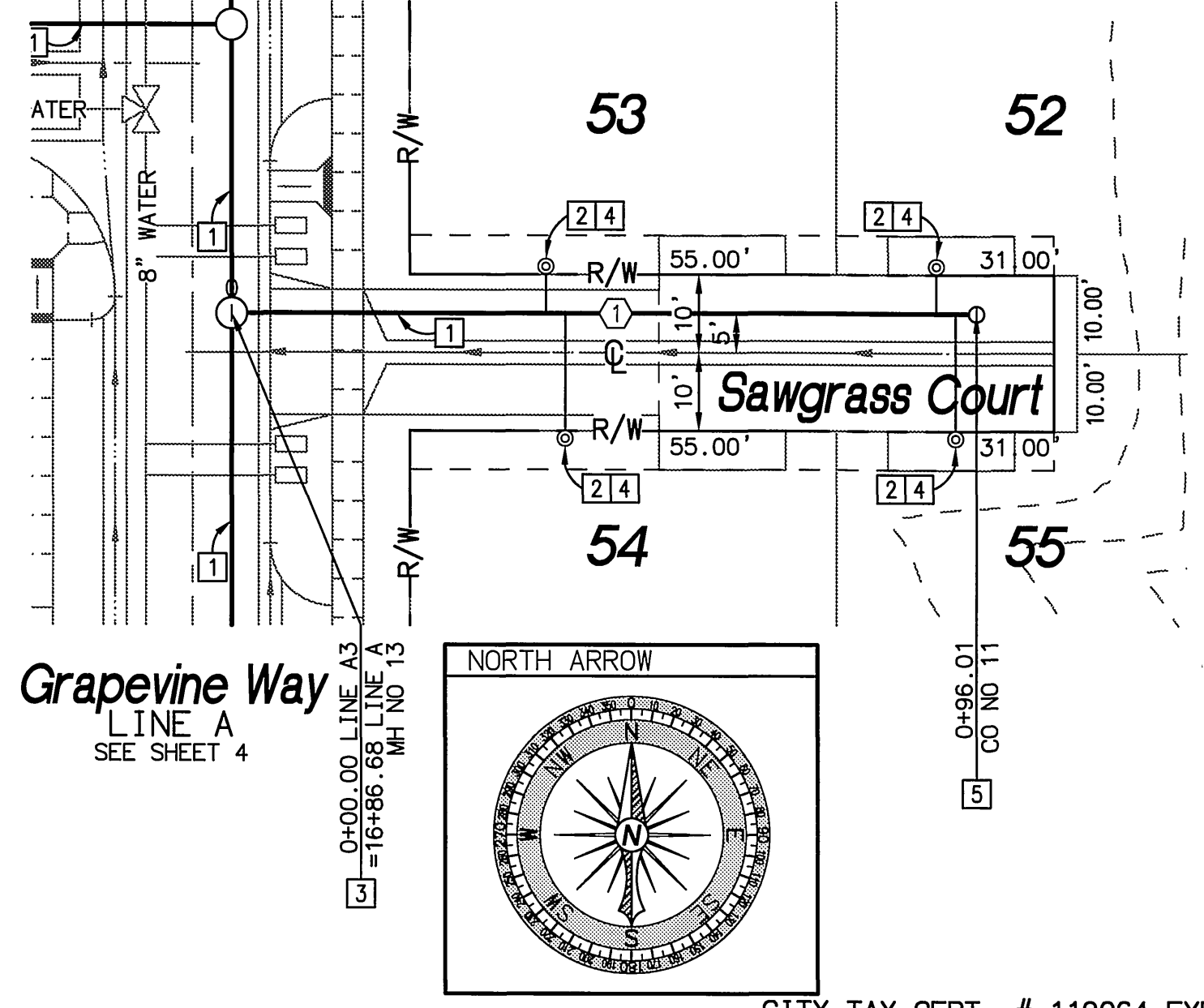
Line A4
0+00.00 to 0+96.01

Line A5
0+00.00 to 1+06.73

SEWER DATA				
Δ	DELTA/BRG	RADIUS	LENGTH	TANGENT
1	N89°57'45"W	---	96.01'	---

SEWER DATA				
Δ	DELTA/BRG	RADIUS	LENGTH	TANGENT
1	N89°57'45"W	---	96.01'	---

SEWER DATA				
Δ	DELTA/BRG	RADIUS	LENGTH	TANGENT
1	N89°57'42"W	---	106.73'	---



- Sewer Notes**
- INSTALL 8" PVC SDR35 SEWER PIPE
 - INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
 - CONSTRUCT 48" MANHOLE PER CITY STD 500
 - INSTALL SEWER LATERAL PER CITY STD 562
 - INSTALL SEWER CLEANOUT PER CITY STD 560
 - SEWER LIFT STATION PER SEPARATE PERMIT
 - PROVIDE PIPE BEDDING PER CITY STD 452
 - CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMWD STD SB-30 (SHOWN ON SHEET 1)
 - PLACE CONC CAP PER CITY STD 452 CASE IV

UNDERGROUND SERVICE ALERT
CALL: TOLL FREE 1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

PUBLIC UTILITIES WATER DIVISION
BENCHMARK
P. K. NAIL AND CITY ENGINEER TAG IN THE SOUTHEASTLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET. DESIGNATED H5-H3
ELEVATION=784.689

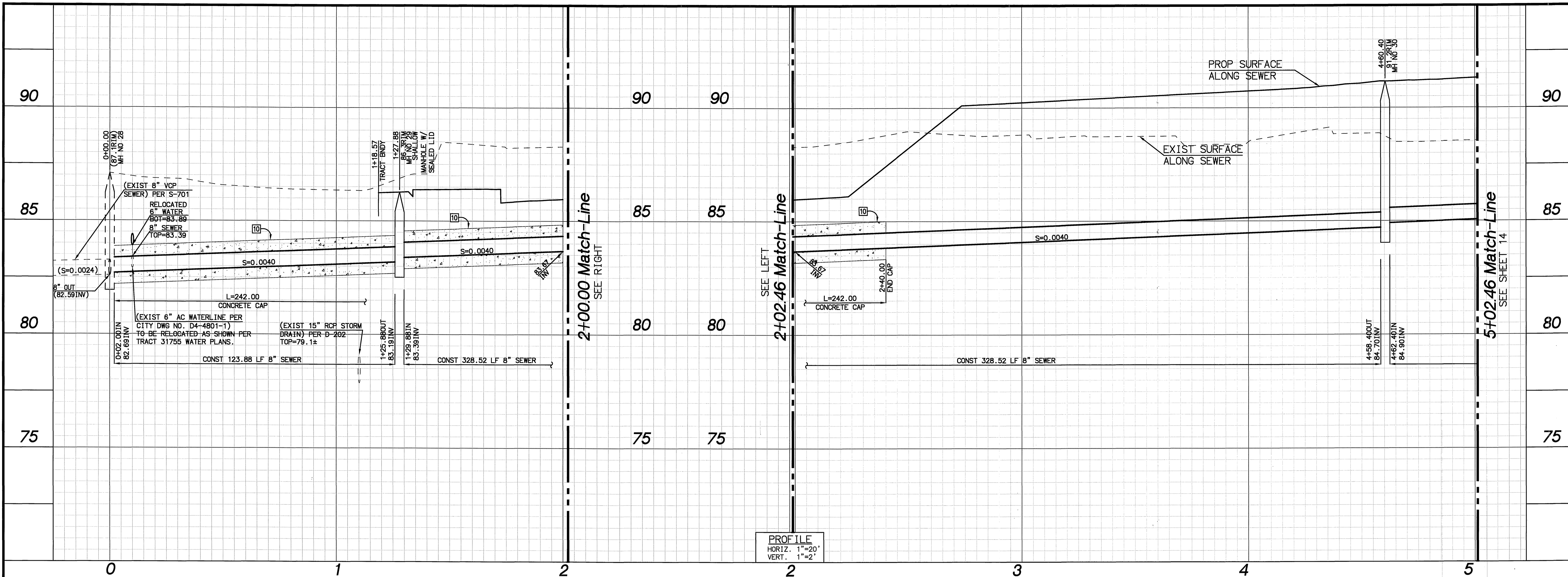
PROFESSIONAL ENGINEER
NO. C55955
Exp. 12/31/06
CIVIL
PREPARED UNDER THE SUPERVISION OF:
R.C.E. C55955 EXP 12/31/06
DATE 11-10-05

RENCivil
ENGINEERING • SURVEYING • LAND PLANNING
41593 WINCHESTER RD., SUITE 120 TEMECULA CA 92590
951.296.1292 951.296.1164 FAX

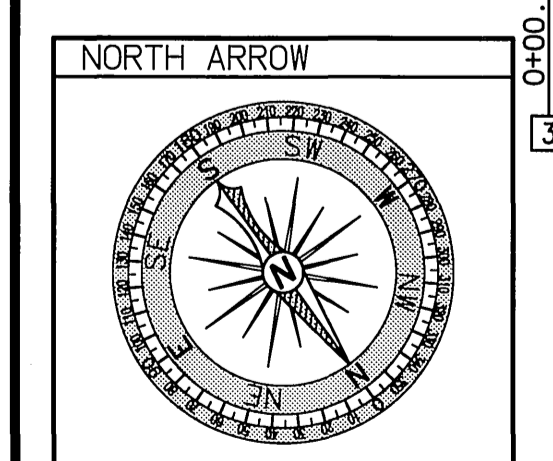
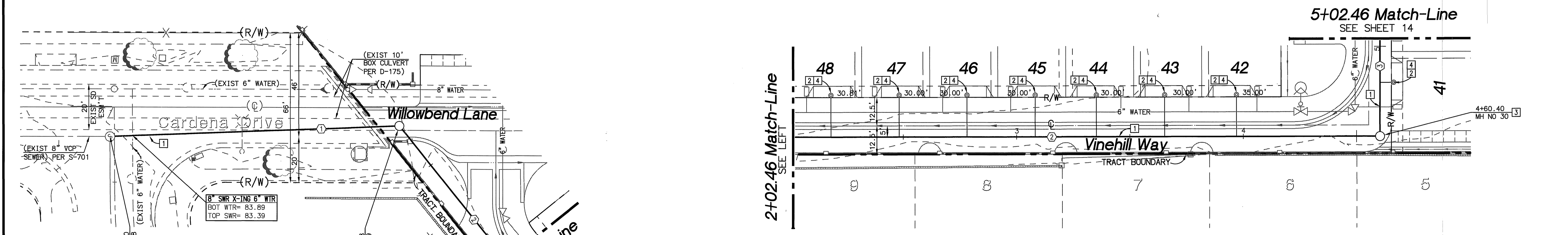
MARK DESIGNED BY REN
REVISIONS
DRAWN BY RLV
CHECKED BY REN
APPR DATE

City of Riverside, California
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
PRINCIPAL ENGINEER
CITY ENGINEER
DATE 11/28/05

Sewer Improvement Plan
Tract 31755
LINE A3
0+00.00 to 0+96.01
LINE A4
0+00.00 to 0+96.01
LINE A5
0+00.00 to 1+06.73
ACCOUNT NO. PW04-0786
S-1922
SHEET 12 OF 14 SHEETS
HORIZ. SCALE: AS NOTED
VERT. SCALE: AS NOTED
FILE NO.



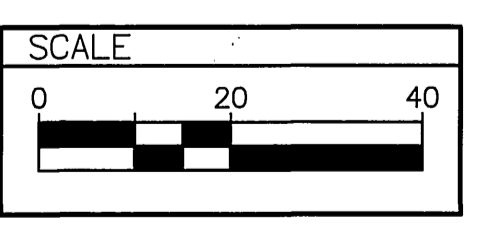
PROFILE
 HORIZ. 1"=20'
 VERT. 1"=2'



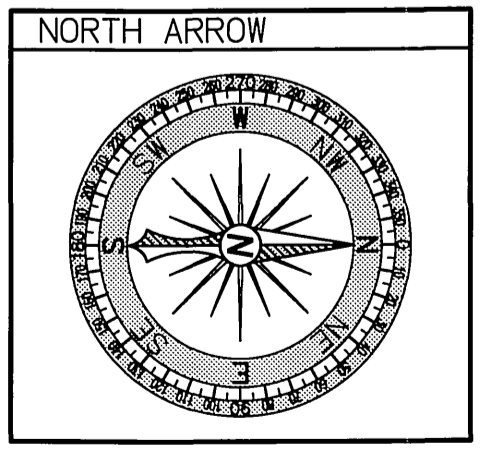
Line F
 0+00.00 to 2+00.00

Line F
 2+00.00 to 5+02.46

DELTA/BRG	RADIUS	LENGTH	TANGENT
1 N53°19'56"W	---	127.88'	---
2 N00°04'08"E	---	332.51'	---
3 N89°57'42"W	---	208.93'	---



- Sewer Notes**
- INSTALL 8" PVC SDR35 SEWER PIPE
 - INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
 - CONSTRUCT 48" MANHOLE PER CITY STD 500
 - INSTALL SEWER LATERAL PER CITY STD 562
 - INSTALL SEWER CLEANOUT PER CITY STD 560
 - SEWER LIFT STATION PER SEPARATE PERMIT
 - PROVIDE PIPE BEDDING PER CITY STD 452
 - CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMWD STD SB-30 (SHOWN ON SHEET 1)
 - PLACE CONC CAP PER CITY STD 452 CASE IV



CITY TAX CERT. # 119064 EXP. 1/24/06

UNDERGROUND SERVICE ALERT
 CALL: TOLL FREE 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

PUBLIC UTILITIES WATER DIVISION

BENCHMARK
 P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHEASTERLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET, DESIGNATED H5-H3
 ELEVATION=784.689

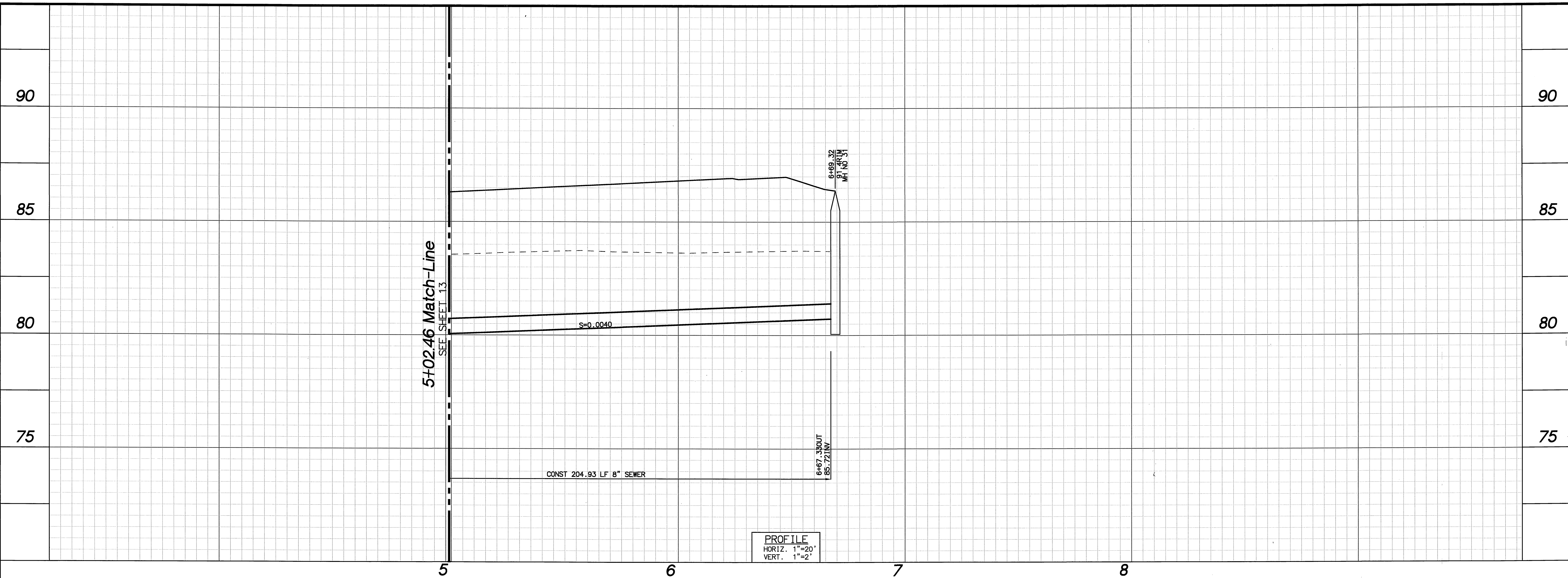
RENCivil
 ENGINEERING • SURVEYING • LAND PLANNING
 41593 WINCHESTER RD, SUITE 120 TEMECULA CA 92590
 951.296.1292 951.296.1164 FAX

City of Riverside, California
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature] BY DATE: [Date]
 PRINCIPAL ENGINEER: [Signature] CITY ENGINEER: [Signature]
 DATE: 11/24/05

Sewer Improvement Plan
 Tract 31755
 LINE F
 0+00.00 to 5+02.46
 HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED

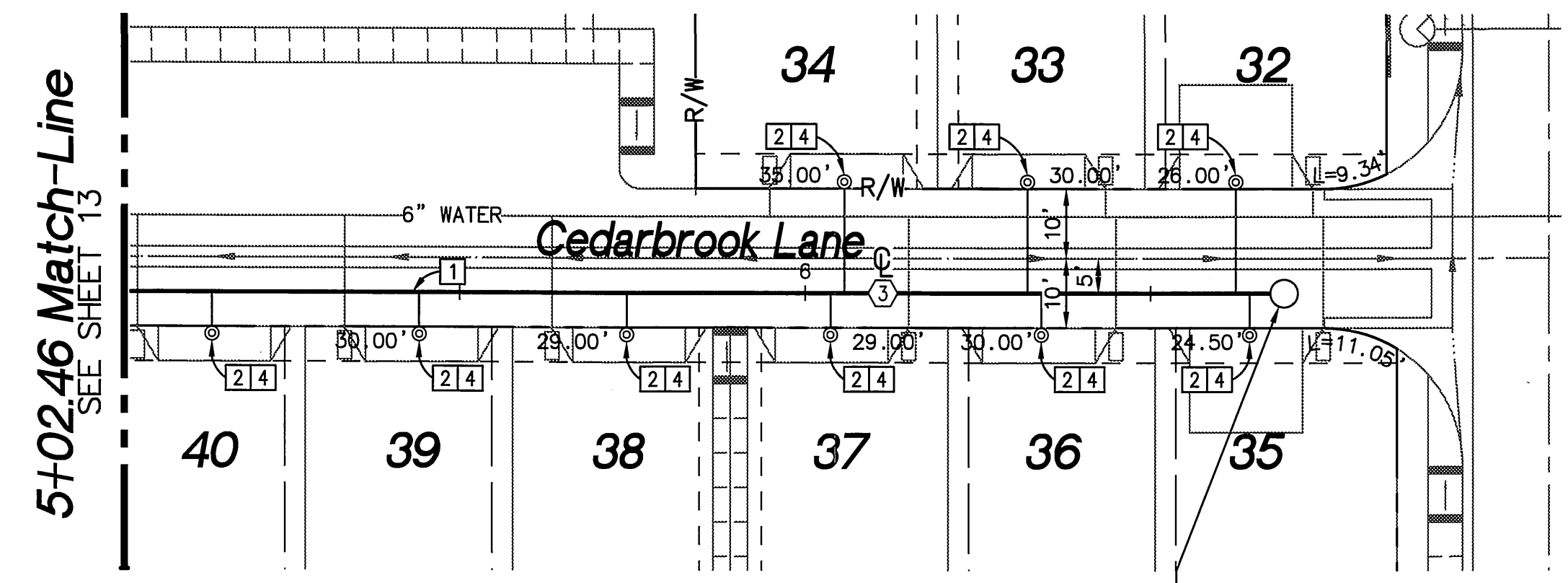
ACCOUNT NO. PW04-0786
 S-1922
 SHEET 13 OF 14 SHEETS
 FILE NO.

INDEXED 12-10-05 gll



5+02.46 Match-Line
SEE SHEET 13

PROFILE
HORIZ. 1"=20'
VERT. 1"=2'

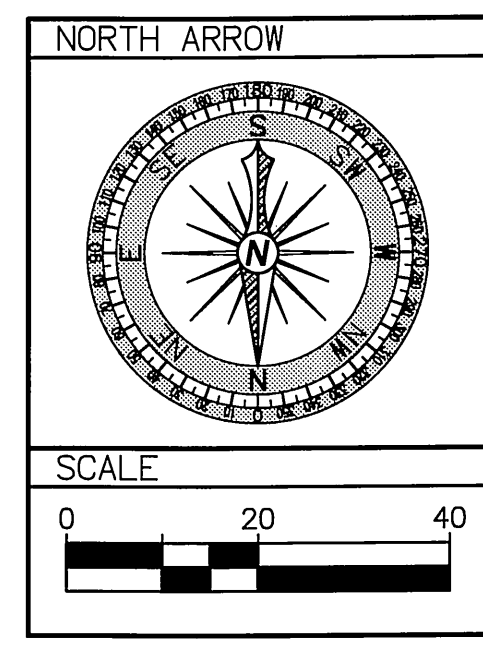


5+02.46 Match-Line
SEE SHEET 13

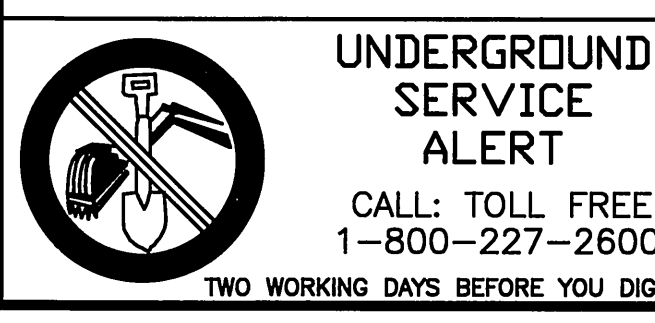
Line F
5+00.00 to 6+66.86

SEWER DATA			
DELTA/BRG	RADIUS	LENGTH	TANGENT
3 N89°57'42"W	--	208.93'	--

Sewer Notes	
<input type="checkbox"/>	DESCRIPTION
<input type="checkbox"/>	1 INSTALL 8" PVC SDR35 SEWER PIPE
<input type="checkbox"/>	2 INSTALL SEWER LATERAL CLEANOUT PER CITY STD 562A
<input type="checkbox"/>	3 CONSTRUCT 48" MANHOLE PER CITY STD 500
<input type="checkbox"/>	4 INSTALL SEWER LATERAL PER CITY STD 562
<input type="checkbox"/>	5 INSTALL SEWER CLEANOUT PER CITY STD 560
<input type="checkbox"/>	6 SEWER LIFT STATION PER SEPARATE PERMIT
<input type="checkbox"/>	7 PROVIDE PIPE BEDDING PER CITY STD 452
<input type="checkbox"/>	8 CONSTRUCT 48" SHALLOW SEWER MANHOLE PER EMWD STD SB-30 (SHOWN ON SHEET 1)
<input type="checkbox"/>	10 PLACE CONC CAP PER CITY STD 452 CASE IV

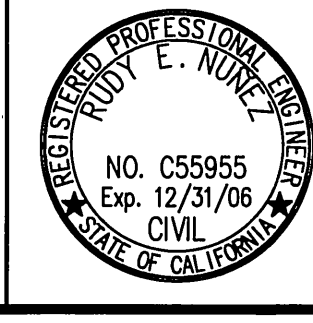


CITY TAX CERT. # 119064 EXP. 1/24/06

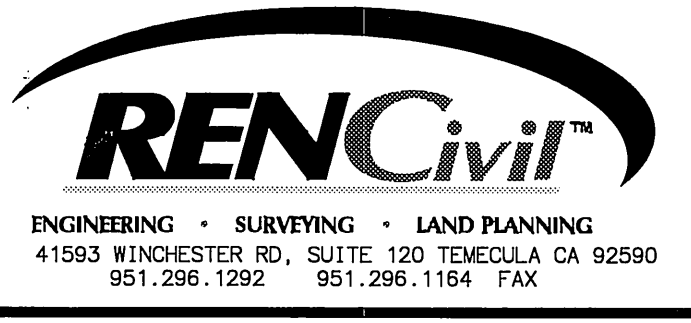


PUBLIC UTILITIES WATER DIVISION
APPROVED BY: *MW McLeod* DATE: *11/10/05*

BENCHMARK
P.K. NAIL AND CITY ENGINEER
TAG IN THE SOUTHEASTLY CORNER OF A CATCH BASIN IN THE NORTHERLY CURB OF JURUPA AVENUE, 37 FEET WESTERLY OF STEARNS STREET. DESIGNATED HS-H3
ELEVATION=784.689



PREPARED UNDER THE SUPERVISION OF:
[Signature]
R.C.E. C55955 EXP 12/31/06
DATE: *11-10-05*



MARK: _____ REVISIONS: _____ APPR. DATE: _____
DESIGNED BY: REN DRAWN BY: RLV CHECKED BY: REN

City of Riverside, California
PUBLIC WORKS DEPARTMENT
APPROVED BY: _____ BY DATE: _____ APPROVED BY: _____
PRINCIPAL ENGINEER: *[Signature]*
CITY ENGINEER: *[Signature]*
DATE: *11/10/05*

Sewer Improvement Plan
Tract 31755
LINE F
5+02.46 to 6+66.86
HORIZ. SCALE: AS NOTED VERT. SCALE: AS NOTED
ACCOUNT NO. PW04-0786
S-1922
SHEET 14 OF 14 SHEETS
INDEXED 12-10-05 LHM