

GENERAL NOTES:

- 1) CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION.
- 2) EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM PUBLIC RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN WITHIN THE CONSTRUCTION WORK AREAS.
- 3) PRIME CONTRACTOR BIDDING THIS WORK SHALL HAVE A CLASS "A", "C-34" OR A "C-42" LICENSE.
- 4) ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD.
- 5) TRENCHES SHALL EITHER BE BACKFILLED AND COMPACTED PER STANDARD DRAWING 453 OR COVERED WITH TRAFFIC RATED STEEL PLATES AT THE END OF EACH WORK DAY OR AS SPECIFIED IN THE SPECIFICATIONS.
- 6) WATER VALVES ENCOUNTERED DURING PIPELINE CONSTRUCTION OR DURING RESTORATION OF SURFACE IMPROVEMENTS SHALL BE PROTECTED IN PLACE, RESTORED TO PRE-CONSTRUCTION CONDITION AND/OR ADJUSTED TO GRADE.
- 7) CONTRACTOR SHALL PERFORM A PRE AND POST CONSTRUCTION VIDEO OF THE SEWER MAIN LINES, CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VIDEOING ALL SEWER LATERALS FROM THE MAINLINE TO THE PROPERTY LINE.
- 8) CONTRACTOR SHALL POTHOLE AND VERIFY ALL LOCATIONS AND ELEVATIONS OF UTILITIES PRIOR TO START OF CONSTRUCTION TO ELIMINATE ANY CONFLICTS WITH THE PIPE REPLACEMENT.
- 9) PIPE BEDDING SHALL BE PER STD. DWG. 452 AND CASE SHALL BE AS SPECIFIED ON THE PLANS.
- 10) REPLACE STRIPING AND PAVEMENT MARKERS REMOVED OR DAMAGED BY CONSTRUCTION ACTIVITIES. STRIPING SHALL BE THERMOPLASTIC



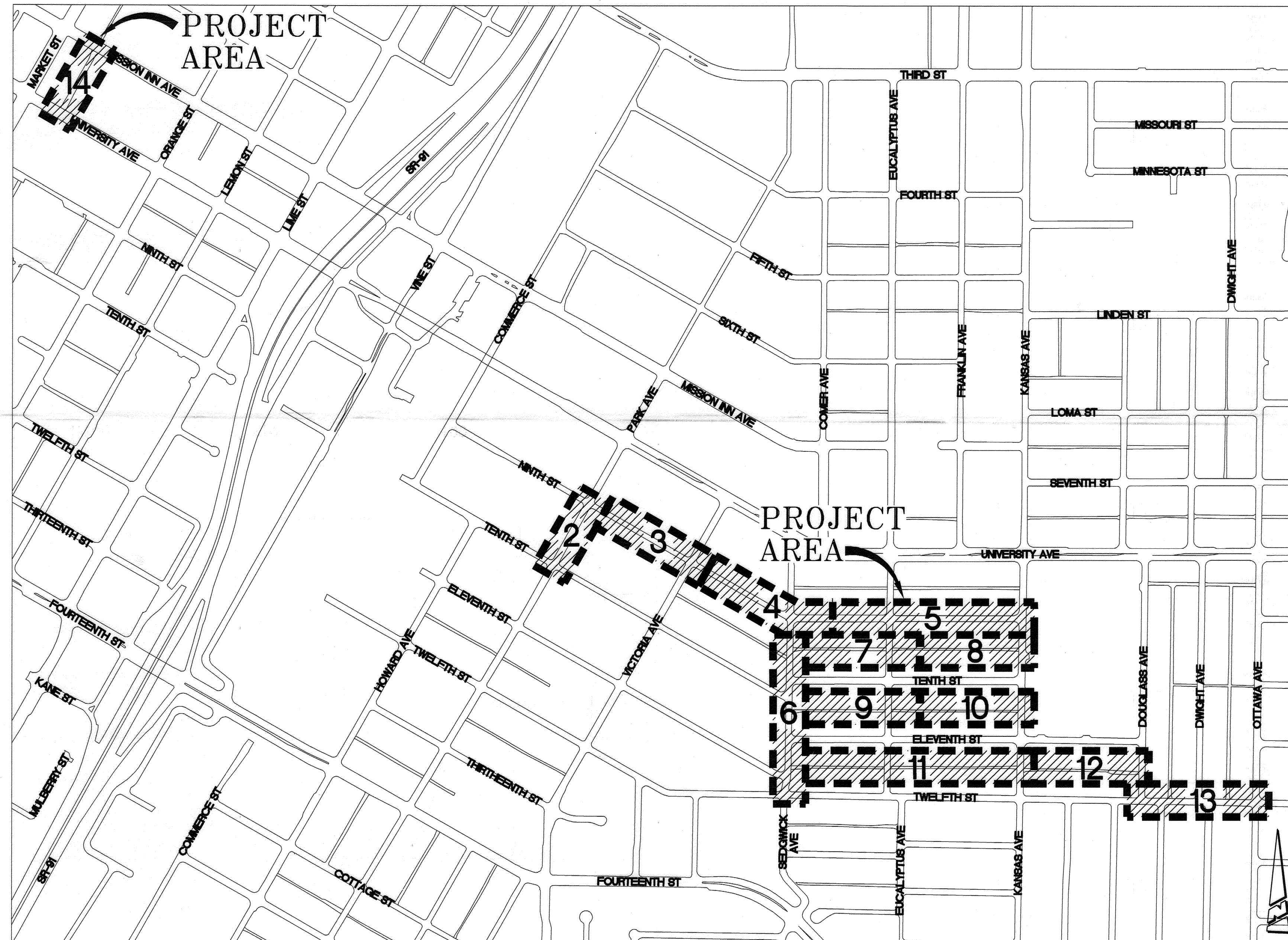
RIVERSIDE

CITY OF RIVERSIDE

CALIFORNIA

PUBLIC WORKS DEPARTMENT

NINTH STREET SEWER REPLACEMENT



CONSTRUCTION NOTES:

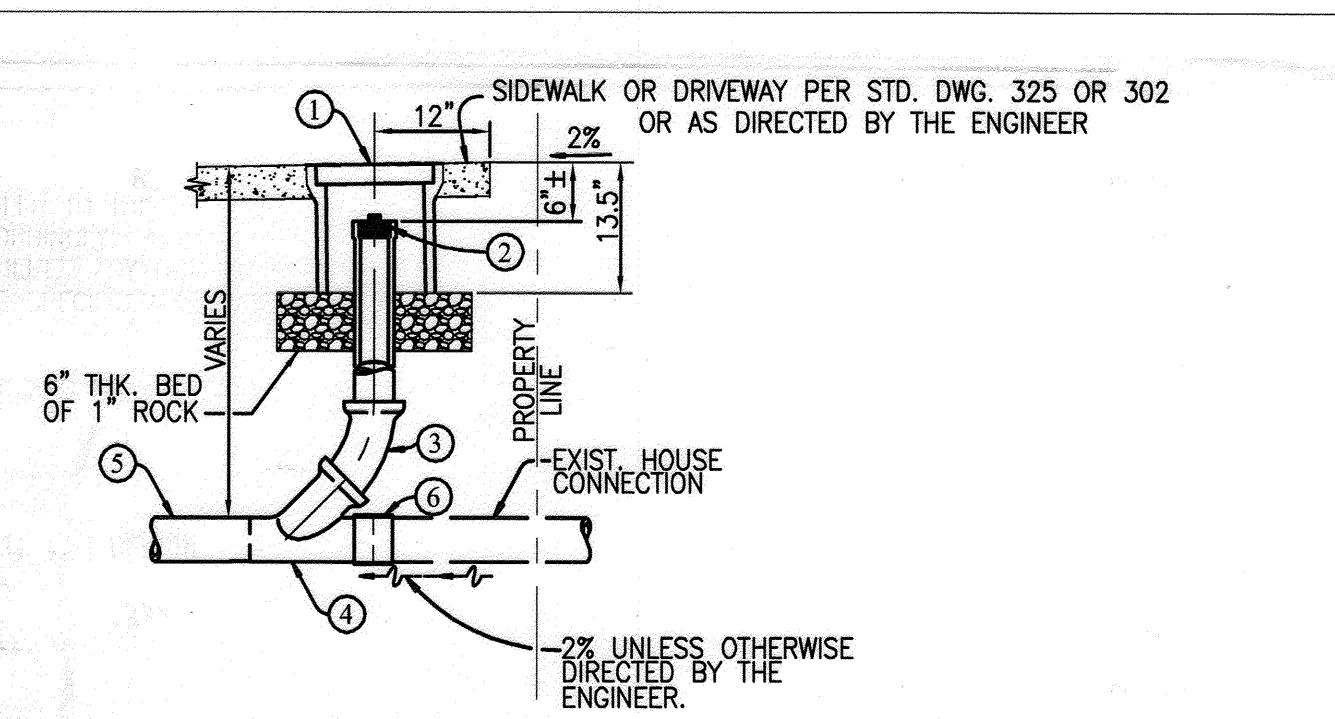
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- 9 PIPEBURST EXISTING 6" VCP. REPLACE WITH 8" HDPE.
- 10 COLD-MILL TYPE CM2 AT 0.12" THICK AND OVERLAY WITH ASPHALT CONCRETE.
- 11 RECHANNEL EXISTING MH TO ACCOMMODATE PROPOSED 8" PIPE.
- TR TREE TO BE REMOVED BY CONTRACTOR.
- PIP PROTECT IN PLACE, DESCRIPTION PER PLAN: PP=POWER POLE; TR=TREE; SL=STREET LIGHT; CB=CABINET; SD=STORM DRAIN; G=GAS; W=WATER; WM=WATER METER; TEL=TELEPHONE.
- R&R REMOVE AND REPLACE EXISTING, DESCRIPTION PER PLAN. CB=CURB TO MATCH EXISTING CURB HEIGHT; DWY=DRIVEWAY; G=ALLEY GUTTER; PED=PEDESTRIAN RAMP; SWK=SIDEWALK; SWR=SEWER LATERAL; XG=CROSS GUTTER.
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- STR THERMOPLASTIC STRIPE, CALTRANS DETAIL PER PLAN. (1) YELLOW CENTERLINE PER CALTRANS DETAIL 1. (2) 12" WHITE LIMIT LINE. (3) PAVEMENT MARKING "STOP" PER CALTRANS DETAIL A22D.
- RPM RAISED PAVEMENT MARKER. DESCRIPTION PER PLAN. (1) BLUE.

EXISTING UNDERGROUND UTILITIES:

SANITARY SEWER	(S)
X" WATER LINE (6" SHOWN HERE)	(W)
X" GAS (2" SHOWN HERE)	(G)
UNDERGROUND ELECTRIC	(E)
UNDERGROUND CABLE	(C)
UNDERGROUND TELEPHONE	(T)
OVERHEAD ELECTRIC	(O)
OVERHEAD CABLE	(CO)
OVERHEAD TELEPHONE	(OT)

SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET AND NOTES
2	PARK AVENUE - STA 100+00 TO STA 103+89.35
3	SEDCWICK AVE - STA 100+00 TO STA 108+45.38
4	NINTH STREET - STA 100+00 TO STA 109+00
5	NINTH STREET - STA 109+00 TO STA 117+00
6	NINTH STREET - STA 117+00 TO STA 126+33.25
7	ALLEY BETWEEN NINTH STREET AND TENTH STREET STA 100+00 TO STA 108+00
8	ALLEY BETWEEN NINTH STREET AND TENTH STREET STA 108+00 TO STA 112+24.07
9	ALLEY BETWEEN TENTH STREET AND ELEVENTH STREET STA 100+00 TO STA 108+00
10	ALLEY BETWEEN TENTH STREET AND ELEVENTH STREET STA 108+00 TO STA 112+23.66
11	ALLEY BETWEEN ELEVENTH STREET AND TWELFTH STREET STA 100+00 TO STA 110+00
12	ALLEY BETWEEN ELEVENTH STREET AND TWELFTH STREET STA 110+00 TO STA 121+22.07
13	TWELFTH ST - STA 100+00 TO STA 106+90.97
14	ALLEY BETWEEN UNIVERSITY AVE, MISSION INN AVE, MAIN ST AND MARKET ST.



1. LID MUST BE CAST IRON, MARKED SEWER AND TRAFFIC RATED WHEN INSTALLING WITHIN DRIVEWAY.
2. BACKFILL OVER LATERALS TO BE COMPACTED BY TAMPING ONLY.
3. GRADE PARKWAY AT 2% TOWARDS CURB OR BACK OF SIDEWALK OR AS DIRECTED BY THE ENGINEER.
4. PCC SIDEWALK OR PCC REMOVAL SHALL BE TO THE NEAREST SCORELINE. HOWEVER, NO LESS THAN 25 SQUARE FEET OF SIDEWALK OR DRIVEWAY, WITH THE SMALLEST DIMENSION, A MINIMUM OF 4 FEET, SHALL BE REMOVED AND REPLACED.
5. INSTALL SEWER CLEAN OUT WITHIN THE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER.

MATERIALS

- 1 BROOKS #1-RT VALVE BOX OR EQUAL. (MARKED SEWER)
- 2 MECHANICAL STOPPER ST-SERIES BY MISSION RUBBER COMPANY OR CITY APPROVED EQUAL.
- 3 MINIMUM 4" SEWER PIPE.
- 4 WYE PER UNIFORM BUILDING CODE.
- 5 PROPOSED PVC LATERAL FROM MAINLINE TO CLEANOUT.
- 6 MATERIAL USED FOR LATERAL BETWEEN THE SEWER MAIN AND CLEANOUT SHALL BE SAME AS SEWER MAIN.

SEWER CLEANOUT DETAIL
NO SCALE

NOTE: LATERAL LOCATIONS ARE BASED ON SEWER CONNECTION PERMIT RECORDS AND MIGHT NOT BE WHERE INDICATED ON PLANS. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE THEM IN THE FIELD.

BENCHMARK I-7
P.K. NAIL IN THE BASE OF A STREET LIGHT POLE AT THE BACK OF THE SOUTHERLY CURB OF UNIVERSITY AVENUE, 27 FEET EASTERLY OF THE CENTERLINE OF COMER AVENUE PRODUCED.
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ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-17
DATE: 7/1/15

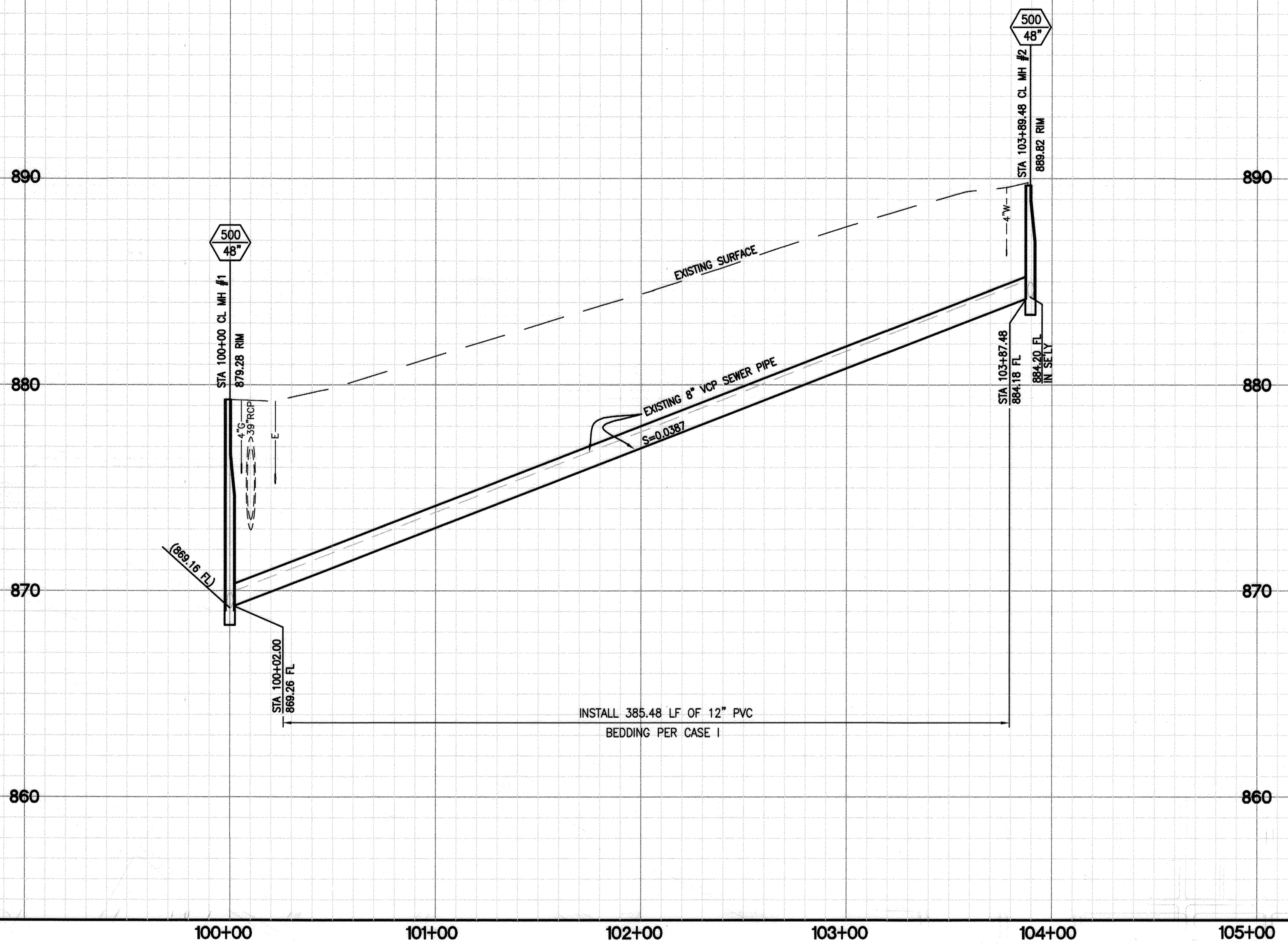
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	FM	7/14/15	[Signature]
CONSTRUCTION ADMIN.	DC	7/10/15	CITY ENGINEER
TRAFFIC DIVISION	TH	7-14-15	
SURVEY			DATE: 2/13/05
STREETS			

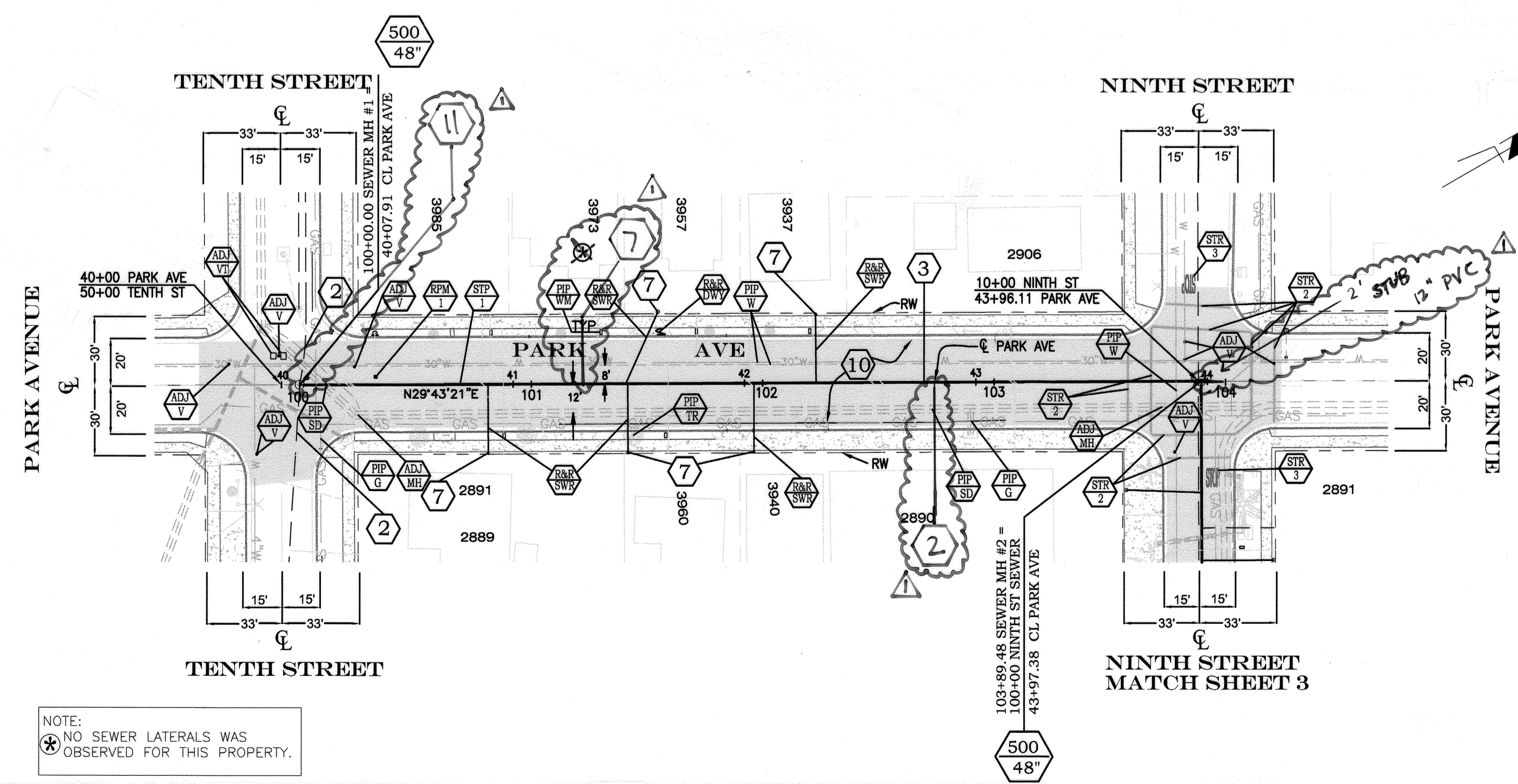
SEWER REPLACEMENT
NINTH STREET SEWER REPLACEMENT
TITLE SHEET
HORIZ. SCALE: NA | VERT. SCALE: NA

DESIGN WORK ORDER NO.: 120851
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET 1 OF 14
FILE NAME: S2101.1.DWG

AS-BUILT 03-17-2017



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



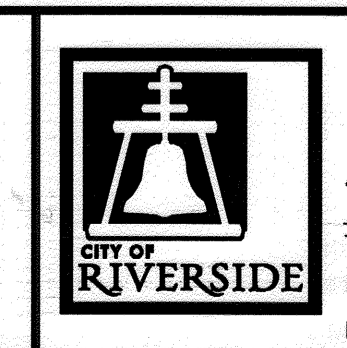
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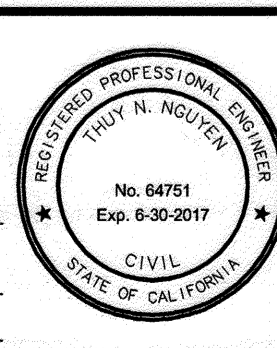
NOTE:
NO SEWER LATERALS WAS OBSERVED FOR THIS PROPERTY.

BENCHMARK I-7
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Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-17
DATE: 1/15

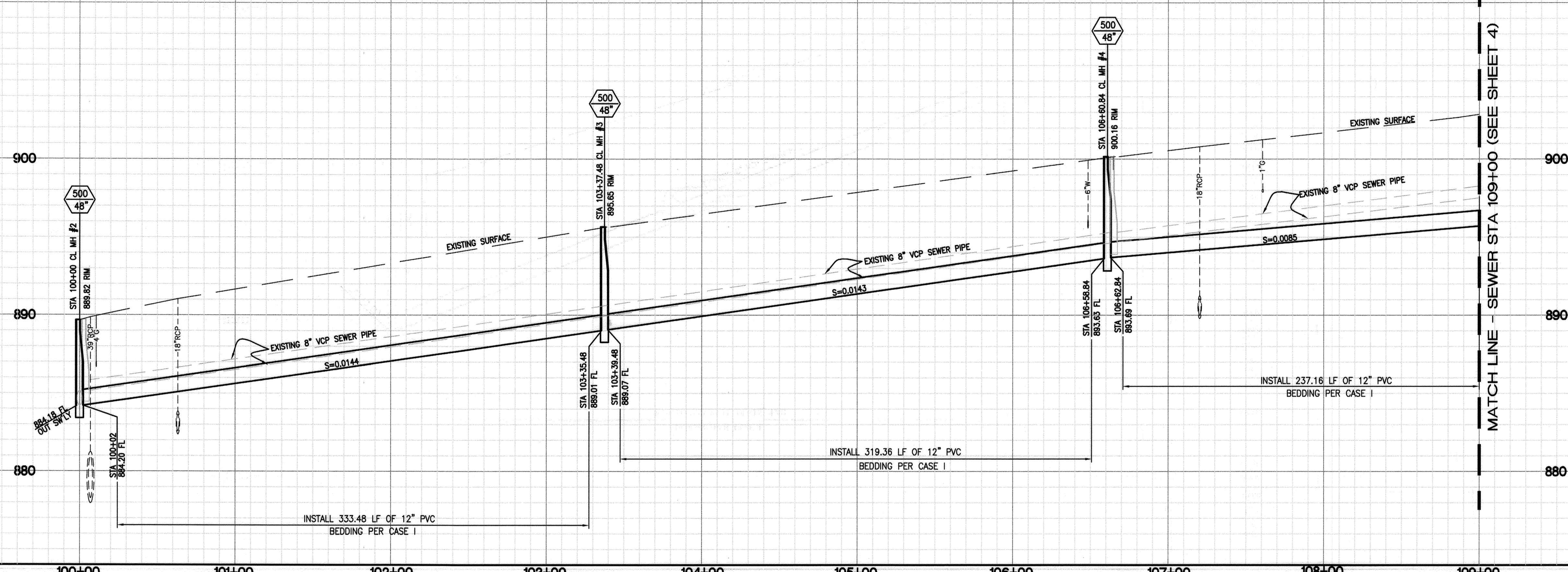


DESIGNED BY: TN	DRAWN BY: LA	CHECKED BY: TN
AS-BUILD CHANGES		
APPROVED BY: [Signature]	DATE: 1/15	

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY: [Signature]	DATE: 2/13/2015	APPROVED BY: [Signature]	DATE: 2/13/2015
CONSTRUCTION ADMIN. [Signature]	DATE: 2/13/2015	CITY ENGINEER [Signature]	DATE: 2/13/2015
TRAFFIC DIVISION [Signature]	DATE: 2/13/2015		
SURVEY [Signature]	DATE: 2/13/2015		
STREETS			

SEWER REPLACEMENT
NINTH STREET
SEWER REPLACEMENT
PARK AVENUE
STA 100+00 TO STA 103+89.48

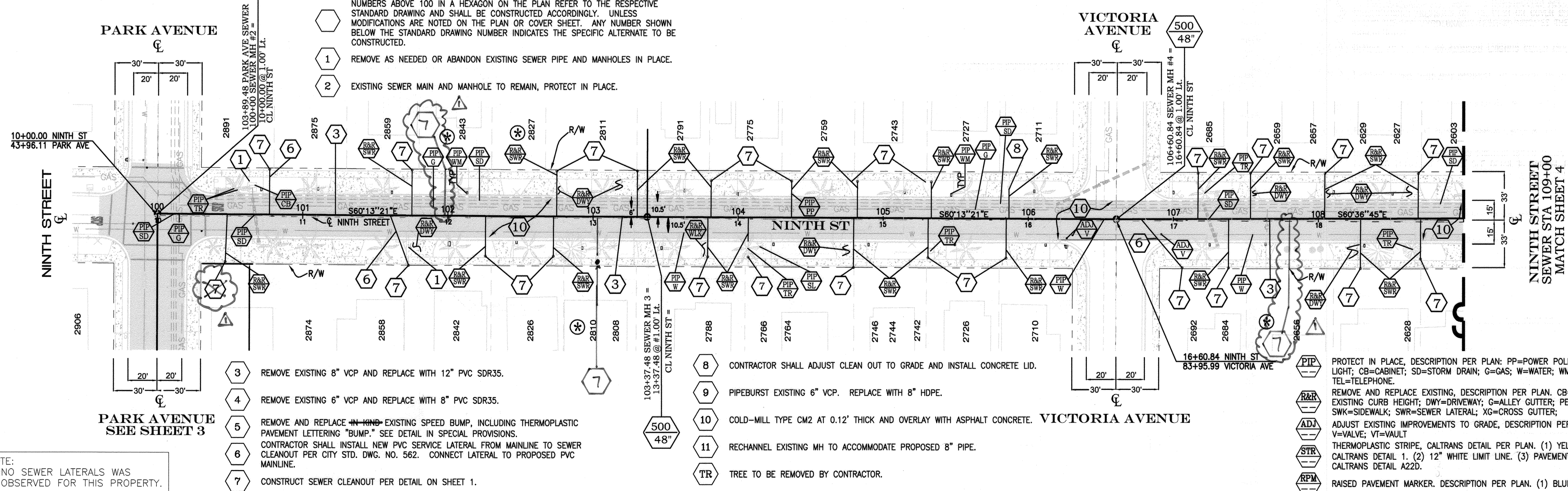
DESIGN WORK ORDER NO.: 1208511
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET **2** OF **14**
FILE NAME: S2101-2.DWG



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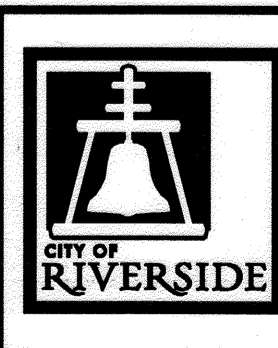


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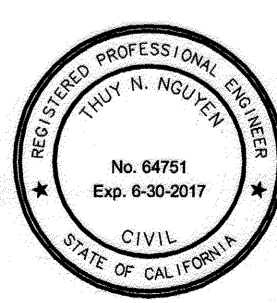
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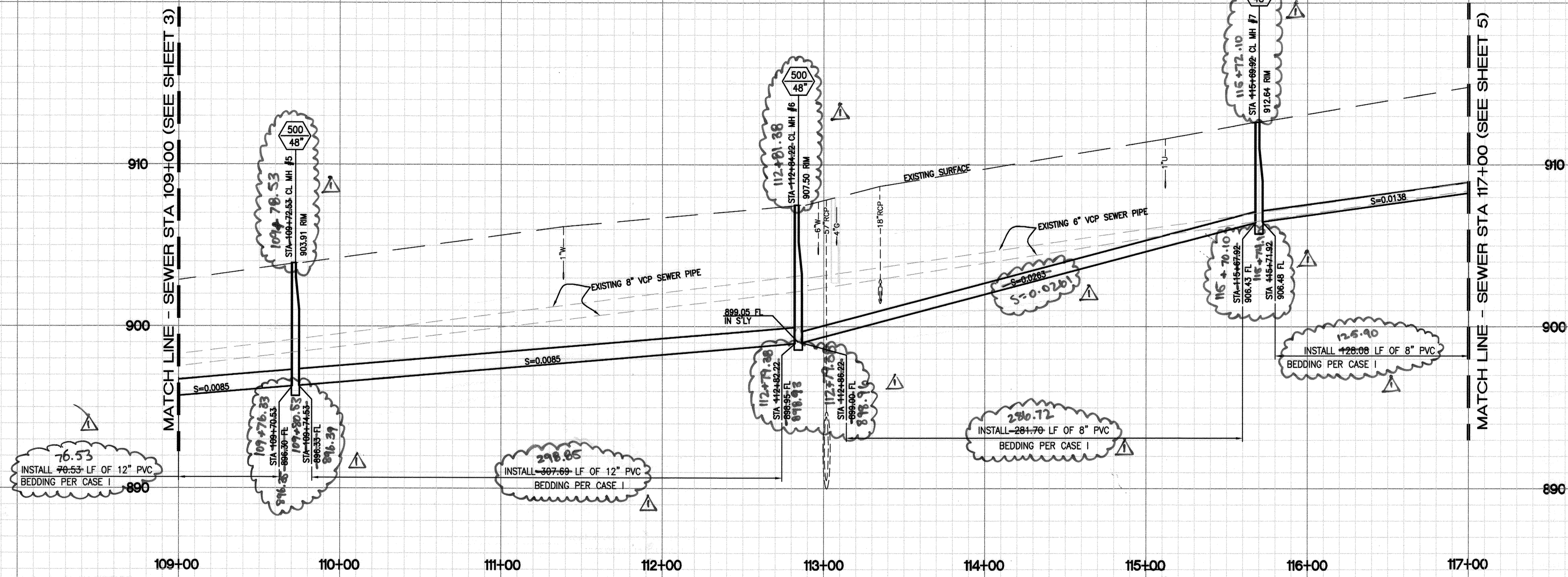


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APPROVED BY	[Signature]				
DATE	7/13/2015				

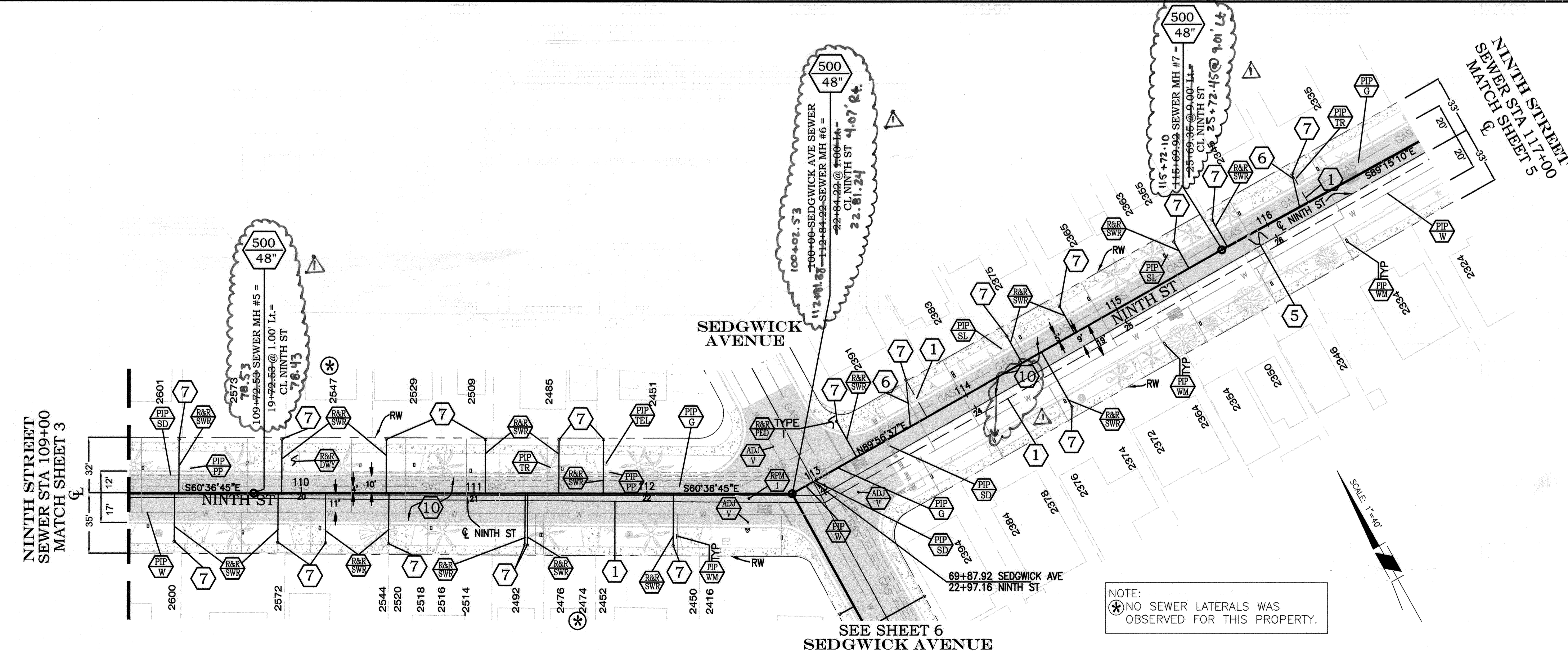
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS					
APPROVED BY	BY	DATE	APPROVED BY	BY	DATE
ENGINEERING MANAGER	EM	7/14/15	CITY ENGINEER	[Signature]	7/13/2015
CONSTRUCTION ADMIN.	JG	7/13/15			
TRAFFIC DIVISION	SA	7/14/15			
SURVEY	CS	7/14/15			
STREETS					

SEWER REPLACEMENT NINTH STREET SEWER REPLACEMENT NINTH STREET STA 100+00 TO STA 109+00
HORZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

DESIGN WORK ORDER NO.: 1208511
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET **3** OF **14**
FILE NAME: S2101-3.DWG



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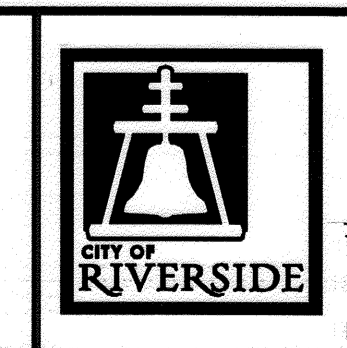


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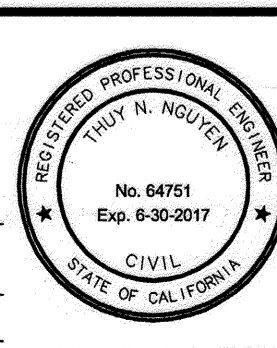
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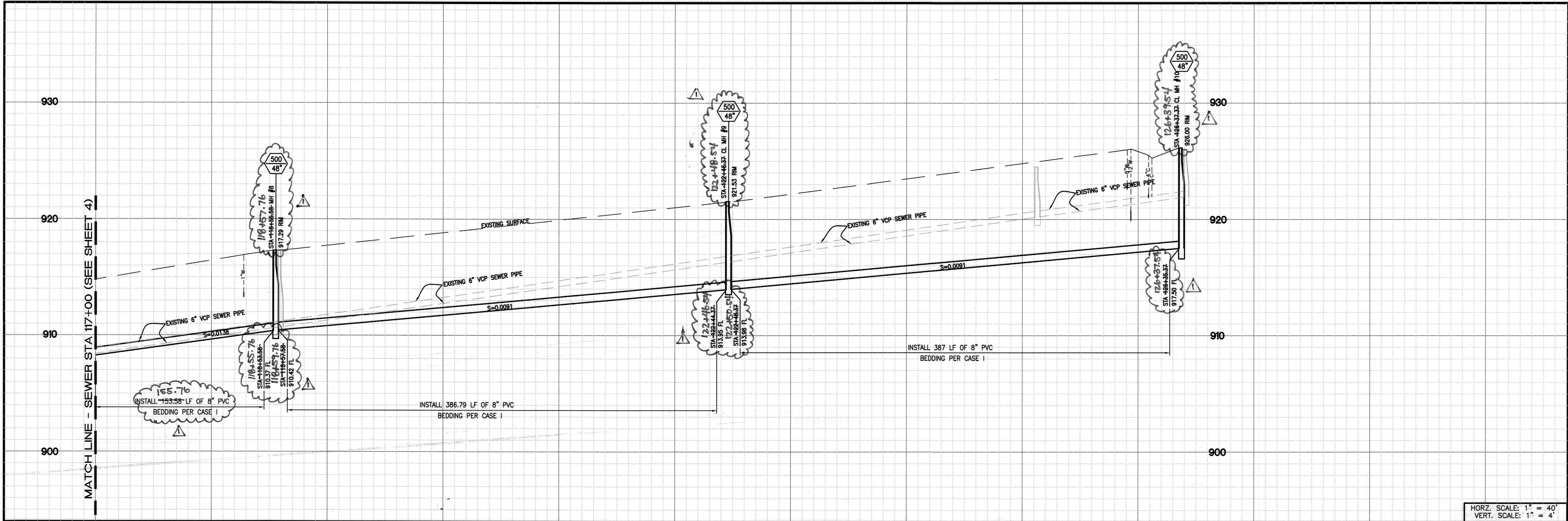


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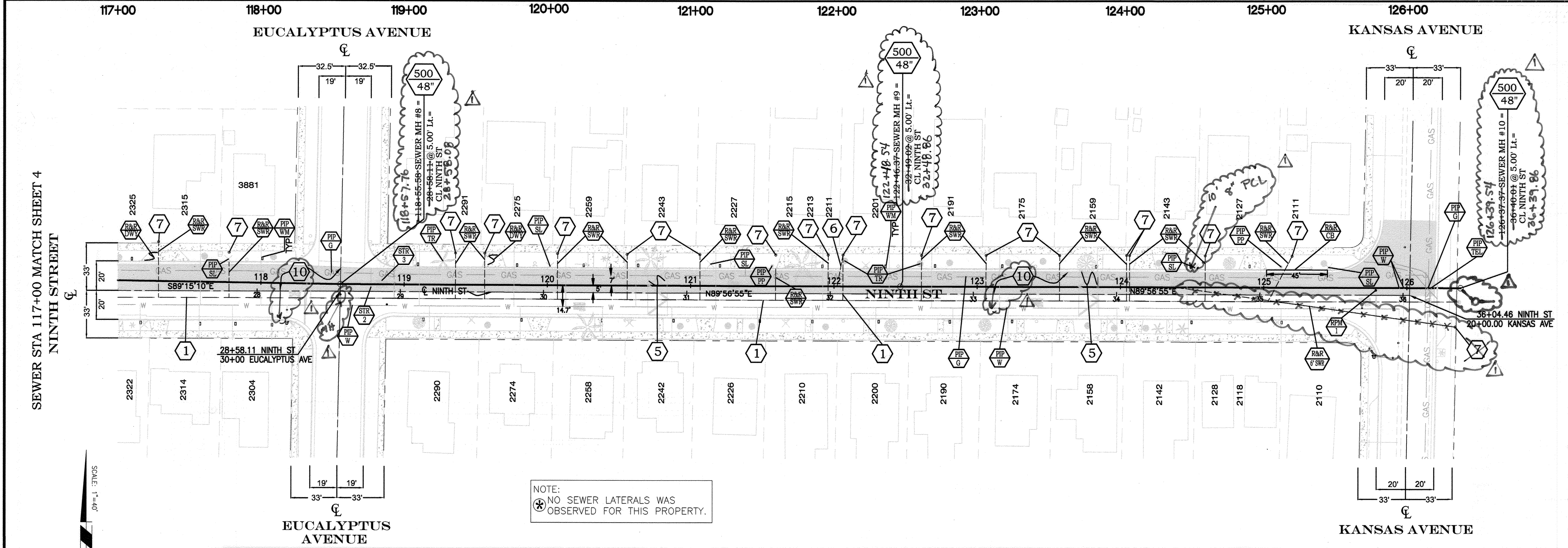
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TRAFFIC DIVISION	DA	7/13/15	
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STREETS			

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- PIP PROTECT IN PLACE, DESCRIPTION PER PLAN: PP=POWER POLE; TR=TREE; SL=STREET LIGHT; CB=CABINET; SD=STORM DRAIN; G=GAS; W=WATER; WM=WATER METER; TEL=TELEPHONE.
- R&R REMOVE AND REPLACE EXISTING, DESCRIPTION PER PLAN. CB=CURB TO MATCH EXISTING CURB HEIGHT; DW=DRIVEWAY; G=ALLEY GUTTER; PED=PEDESTRIAN RAMP; SWK=SIDEWALK; SWR=SEWER LATERAL; XG=CROSS CUTTER;
- ADJ ADJUST EXISTING IMPROVEMENTS TO GRADE, DESCRIPTION PER PLAN. MH=MANHOLE; V=VALVE; VI=VAULT
- STR THERMOPLASTIC STRIPE, CALTRANS DETAIL PER PLAN. (1) YELLOW CENTERLINE PER CALTRANS DETAIL 1. (2) 12" WHITE LIMIT LINE. (3) PAVEMENT MARKING "STOP" PER CALTRANS DETAIL A22D.
- RPM RAISED PAVEMENT MARKER. DESCRIPTION PER PLAN. (1) BLUE.

BENCHMARK I-7
P.K. NAIL IN THE BASE OF A STREET LIGHT POLE AT THE BACK OF THE SOUTHERLY CURB OF UNIVERSITY AVENUE, 27 FEET EASTERLY OF THE CENTERLINE OF COMER AVENUE PRODUCED.
ELEVATION: 911.568 (NGVD 29)

Under Ground Service Alert of Southern California
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG

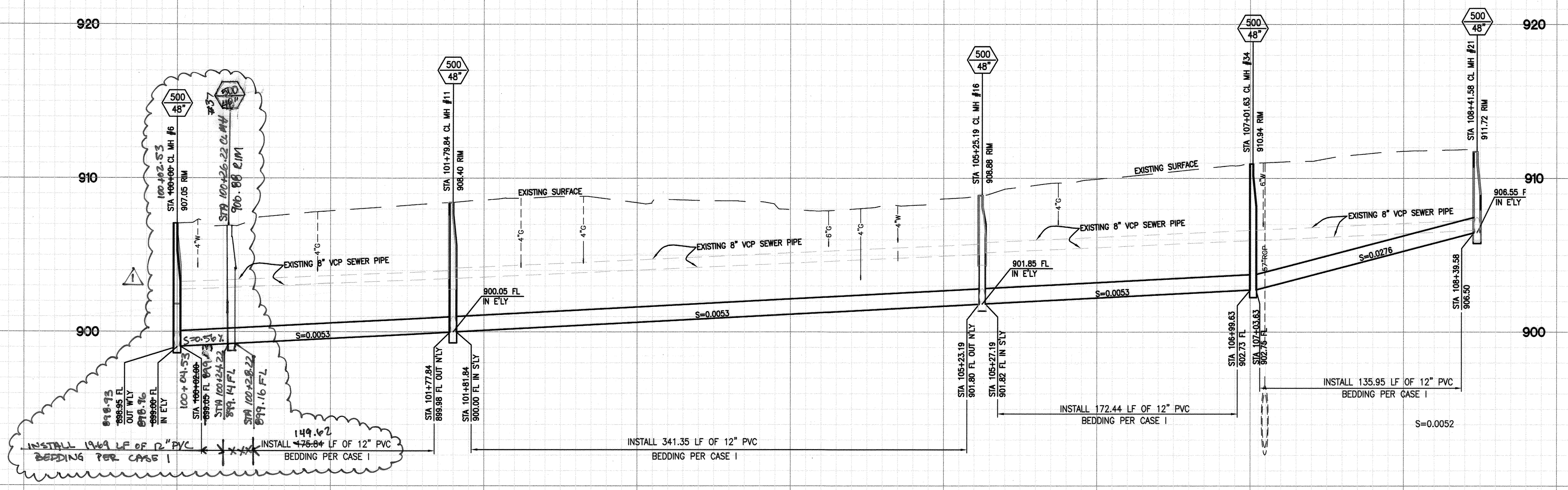
ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-17
DATE: 7/1/15

DESIGNED BY: TN DRAWN BY: LA CHECKED BY: TN
AS-BUILT CHANGES
T.N. 8/9/16
APPR. DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
ENGINEERING MANAGER
CONSTRUCTION ADMIN.
TRAFFIC DIVISION
SURVEY
STREETS

SEWER REPLACEMENT
NINTH STREET
SEWER REPLACEMENT
NINTH STREET
STA 117+00 TO STA 126+33.25
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

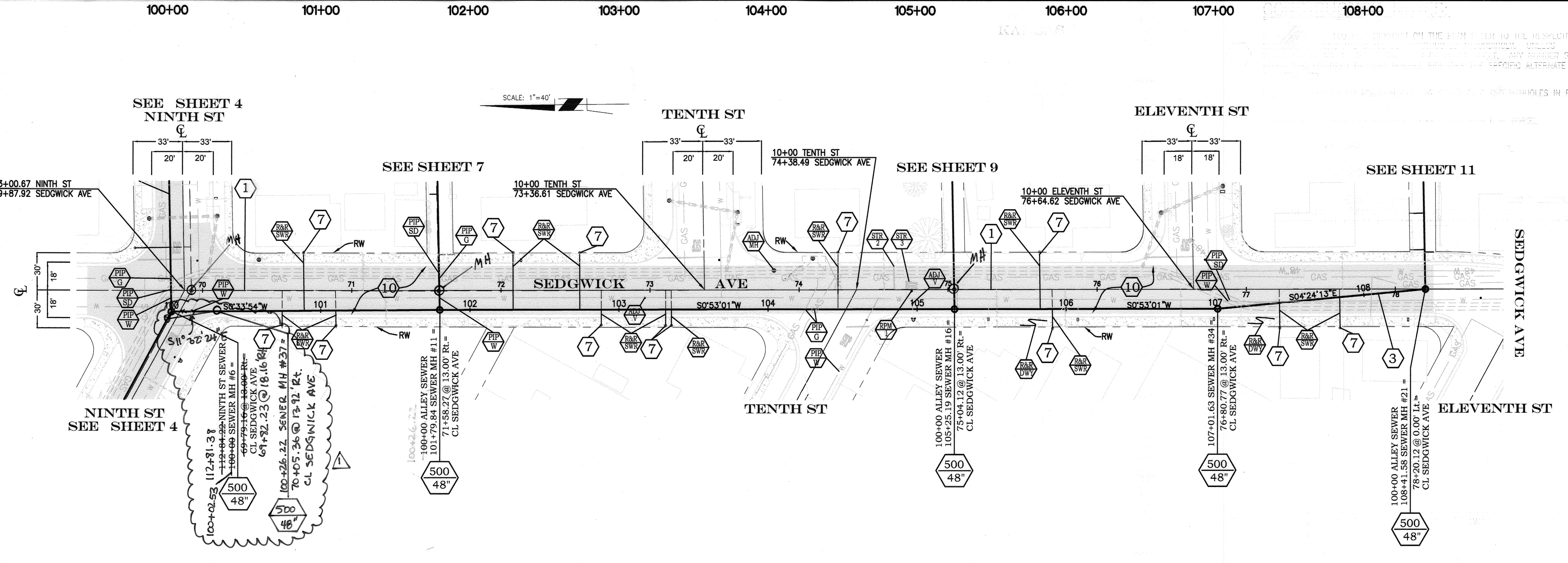
DESIGN WORK ORDER NO.: 1208511
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET **5** OF **14**
FILE NAME: S2101-5.DWG



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

CONSTRUCTION NOTES:

- 1 REMOVE AS NEEDED OR ABANDON EXISTING SEWER PIPE AND MANHOLES IN PLACE.
- 2 EXISTING SEWER MAIN AND MANHOLE TO REMAIN, PROTECT IN PLACE.
- 3 REMOVE EXISTING 8" VCP AND REPLACE WITH 12" PVC SDR35.
- 4 REMOVE EXISTING 6" VCP AND REPLACE WITH 8" PVC SDR35.
- 5 REMOVE AND REPLACE IN KIND EXISTING SPEED BUMP, INCLUDING THERMOPLASTIC PAVEMENT LETTERING "BUMP." SEE DETAIL IN SPECIAL PROVISIONS. CONTRACTOR SHALL INSTALL NEW PVC SERVICE LATERAL FROM MAINLINE TO SEWER CLEANOUT PER CITY STD. DWG. NO. 562. CONNECT LATERAL TO PROPOSED PVC MAINLINE.
- 6 CONSTRUCT SEWER CLEANOUT PER DETAIL ON SHEET 1.
- 7 CONTRACTOR SHALL ADJUST CLEAN OUT TO GRADE AND INSTALL CONCRETE LID.
- 8 PIPEBURST EXISTING 6" VCP. REPLACE WITH 8" HDPE.
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- RPM RAISED PAVEMENT MARKER. DESCRIPTION PER PLAN. (1) BLUE.



BENCHMARK I-7
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ELEVATION: 911.568 (NGVD 29)

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

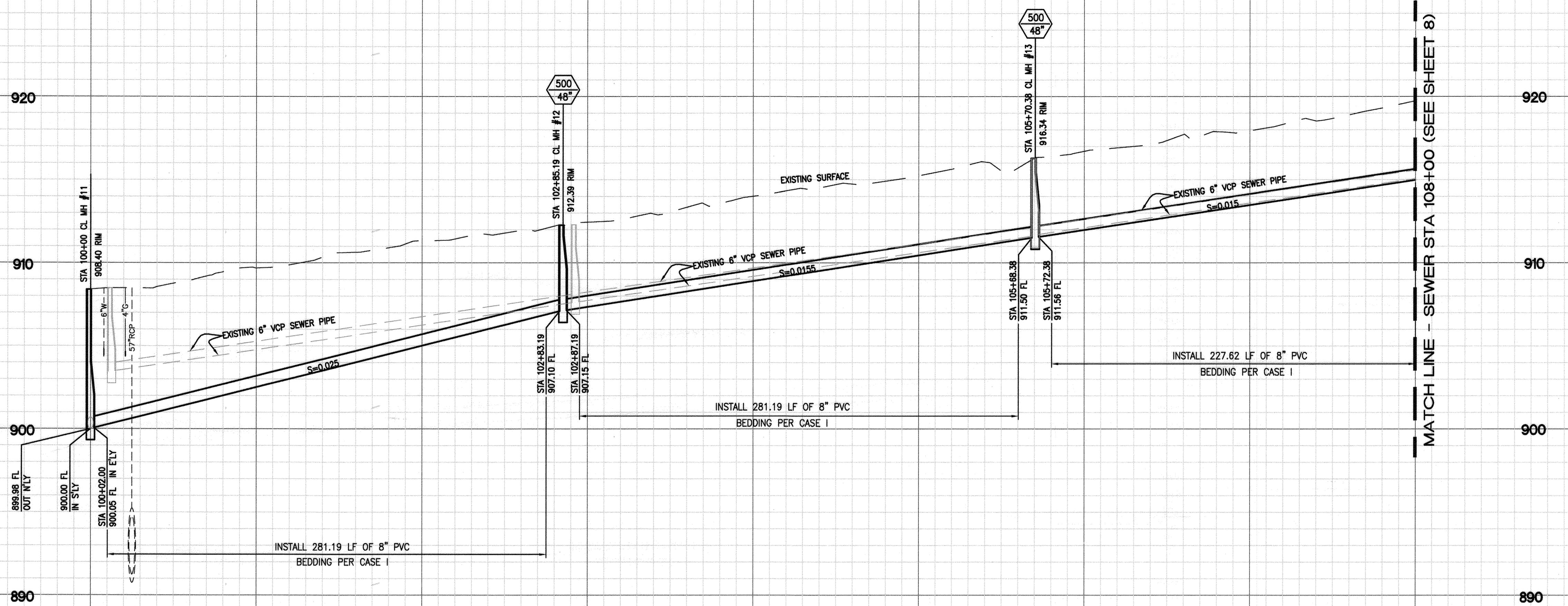
ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-17
DATE: 7/15/15

AS-BUILT CHANGES
DESIGNED BY: TN
DRAWN BY: LA
CHECKED BY: TN

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
DATE: 7/15/15

SEWER REPLACEMENT NINTH STREET SEWER REPLACEMENT SEDGWICK AVENUE NINTH ST TO ELEVENTH ST

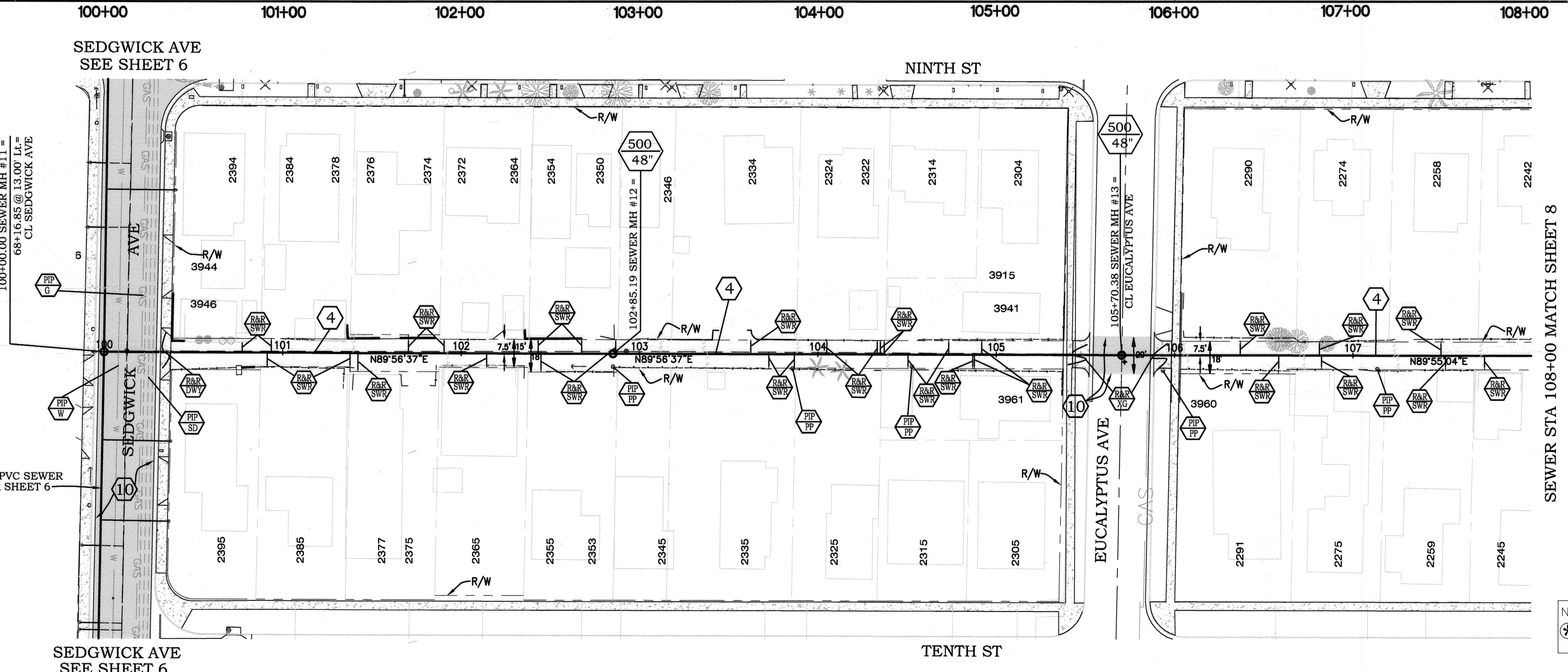
DESIGN WORK ORDER NO.: 1208511
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET **6** OF **14**
FILE NAME: S2101-6.DWG



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

CONSTRUCTION NOTES:

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ELEVATION: 911.568 (NGVD 29)

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ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-17
DATE: 7/11/15

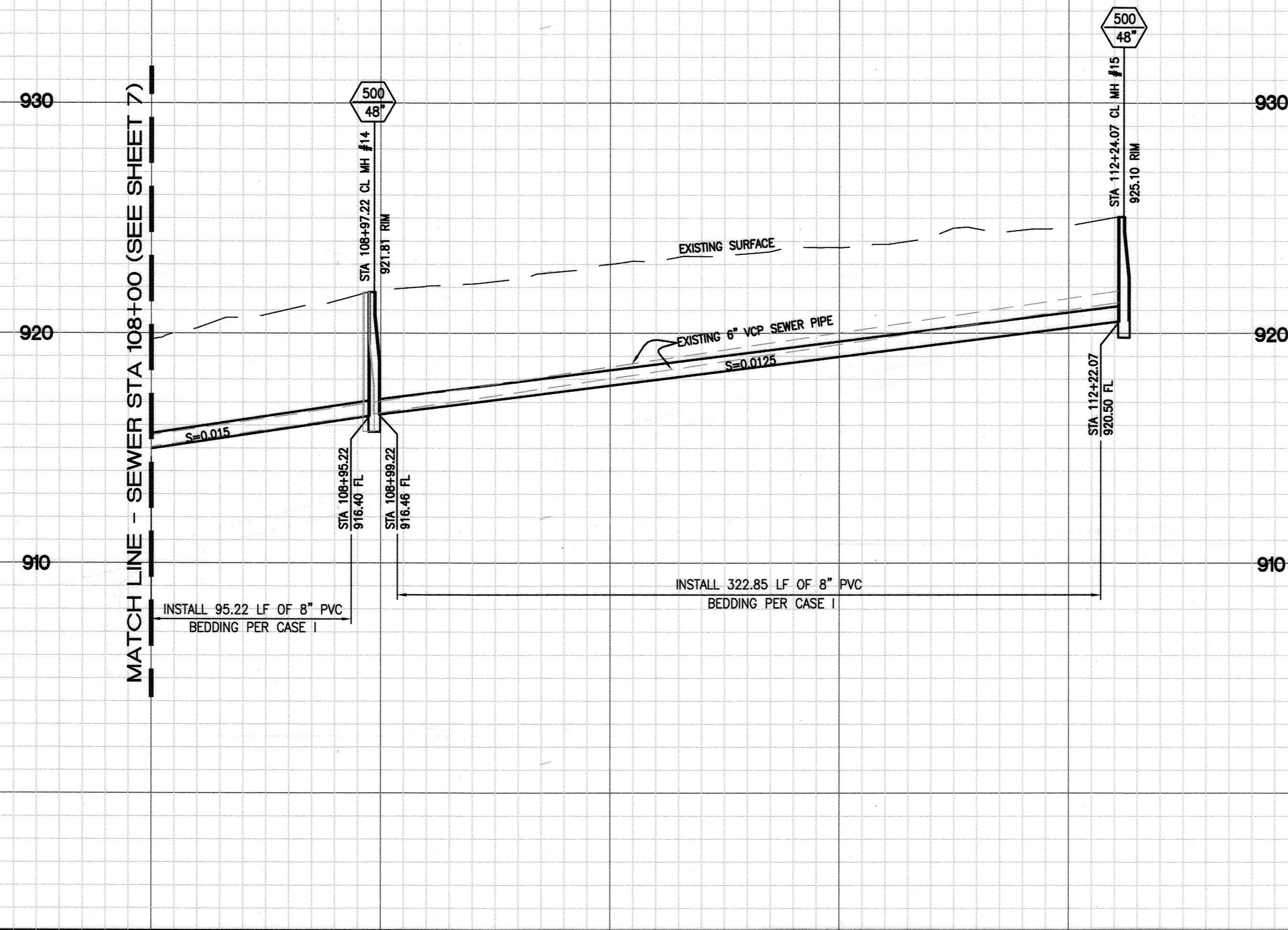
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
ENGINEERING MANAGER
CONSTRUCTION ADMIN.
TRAFFIC DIVISION
SURVEY
STREETS

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

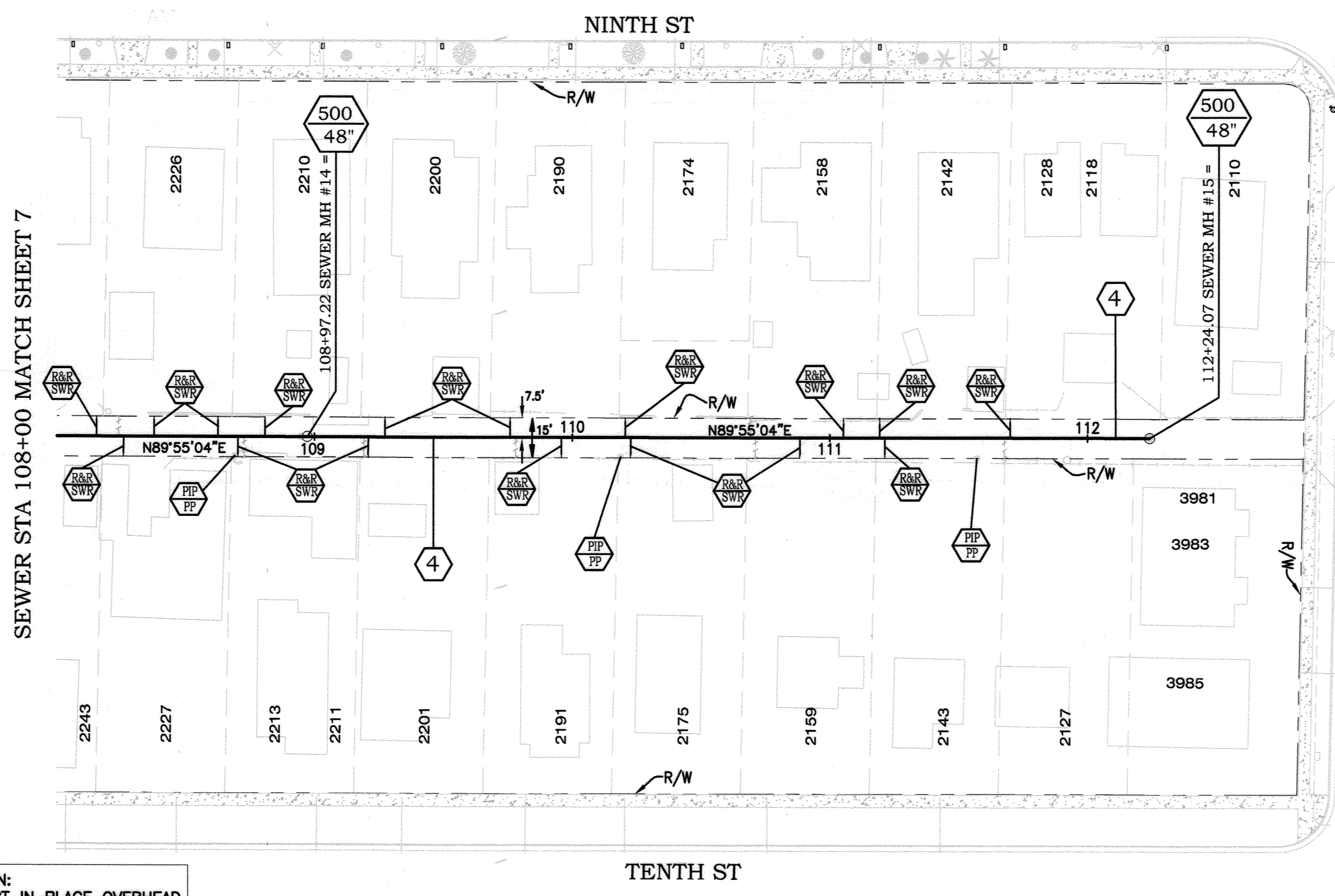
DESIGN WORK ORDER NO.: 1208511
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET **7** OF **14**
FILE NAME: S2101-7.DWG

CAUTION:
PROTECT IN PLACE OVERHEAD UTILITIES AT ALL TIMES.



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108+00 109+00 110+00 111+00 112+00



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ELEVATION: 911.568 (NGVD 29)

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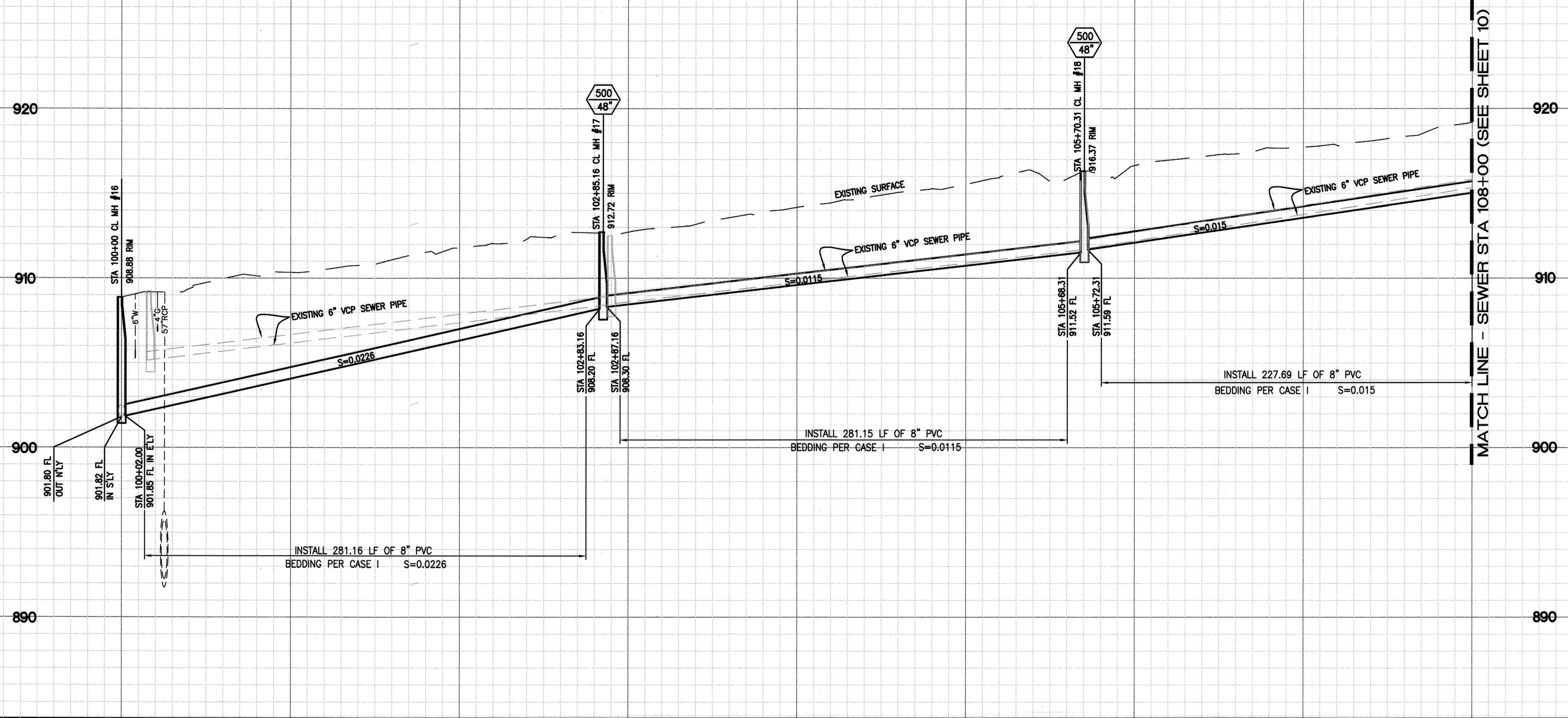
ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-17
DATE: 7/11/15

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
ENGINEERING MANAGER
CONSTRUCTION ADMIN.
TRAFFIC DIVISION
SURVEY
STREETS

SEWER REPLACEMENT
NINTH STREET
SEWER REPLACEMENT
ALLEY BETWEEN NINTH STREET & TENTH STREET
STA 108+00 TO STA 112+24.07
HORIZ. SCALE: 1" = 40' | VERT. SCALE: 1" = 4'

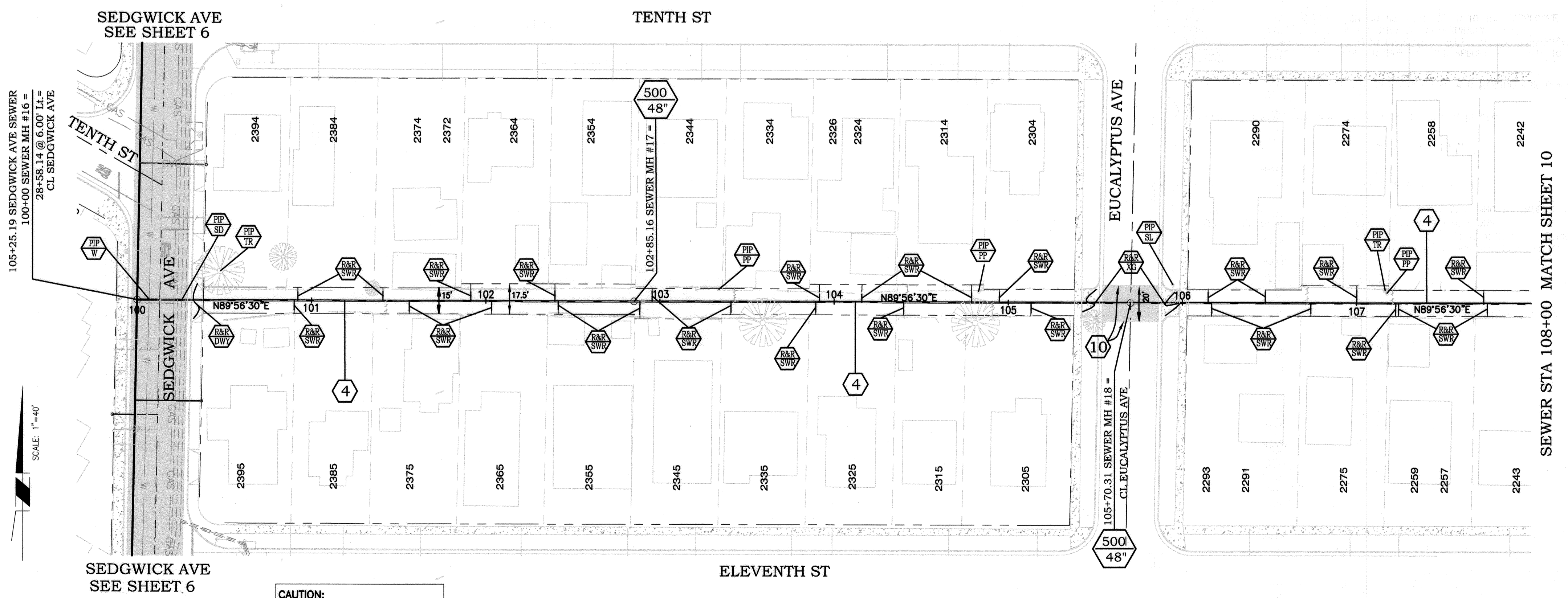
DESIGN WORK ORDER NO.: 1208511
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET 8 OF 14
FILE NAME: S2101-8.DWG



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

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NOTE:
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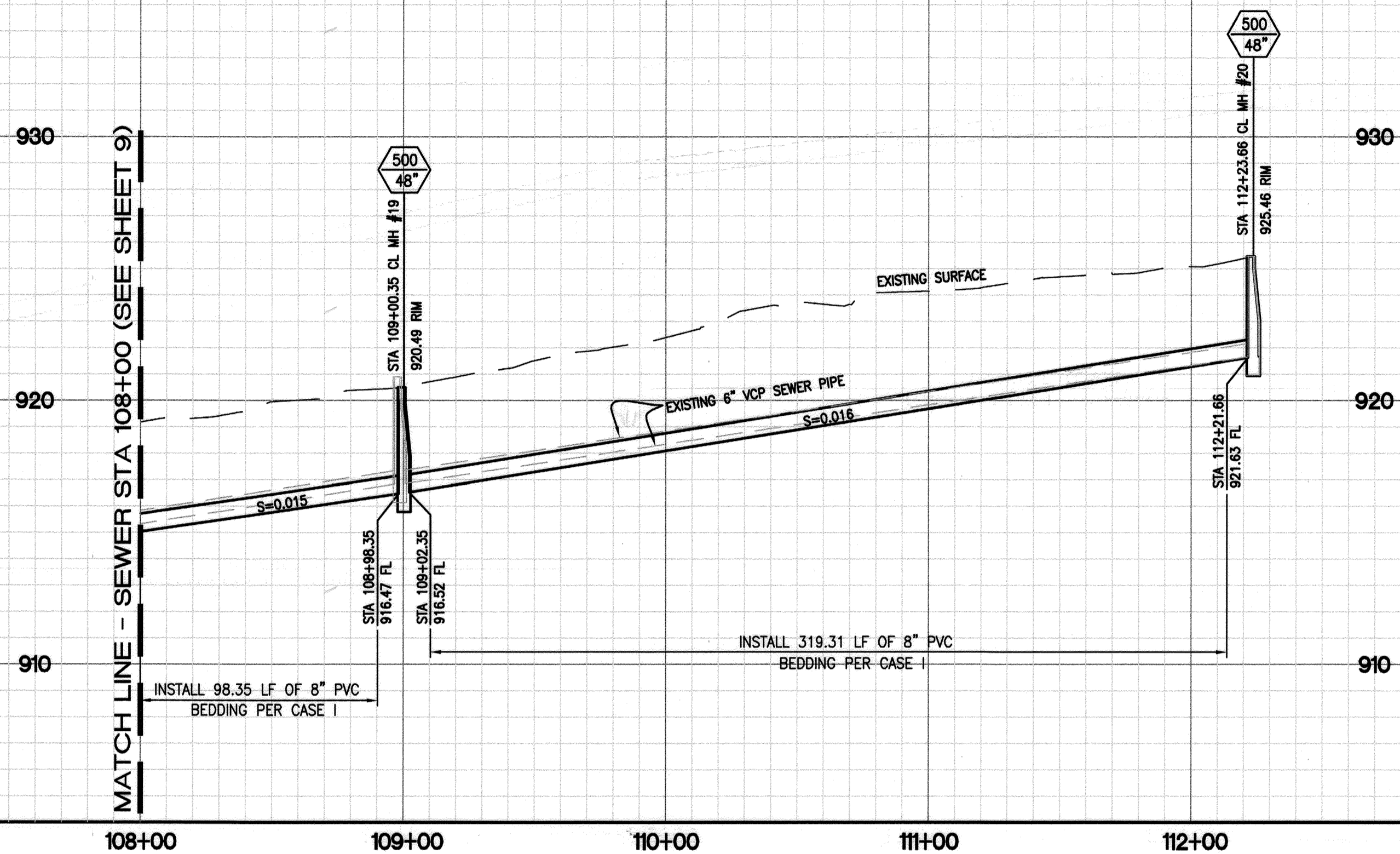
ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-17
DATE: 7/13/15

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
CONSTRUCTION ADMIN.
TRAFFIC DIVISION
DATE: 7/13/2015

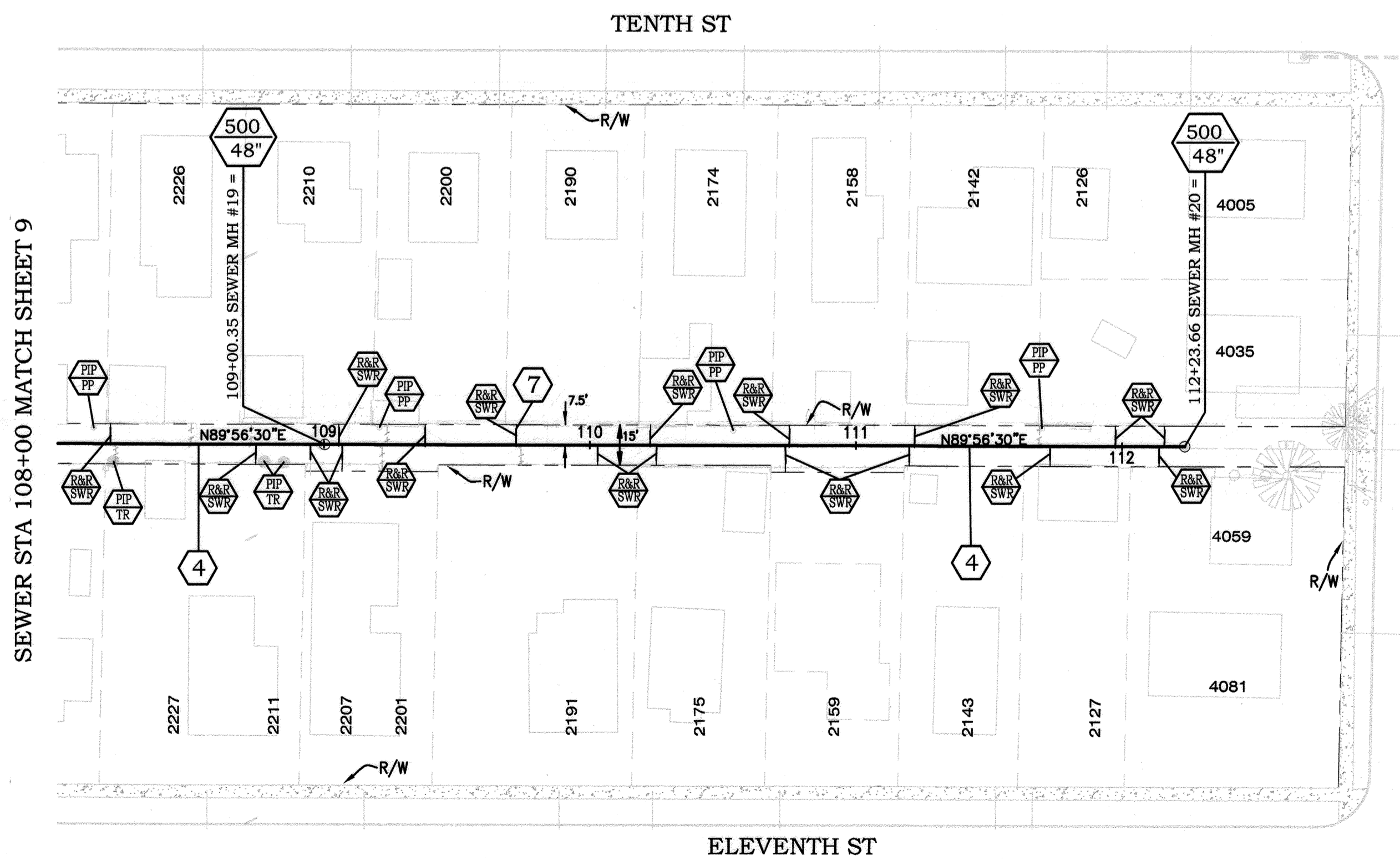
SEWER REPLACEMENT
NINTH STREET
SEWER REPLACEMENT
ALLEY BETWEEN TENTH STREET AND ELEVENTH STREET
STA 100+00 TO STA 108+00
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

DESIGN WORK ORDER NO.: 1208511
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET **9** OF **14**
FILE NAME: S2101-9.DWG



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

108+00 109+00 110+00 111+00 112+00



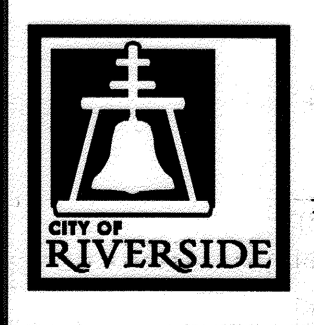
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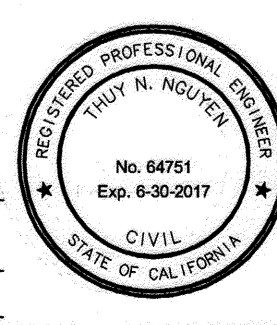
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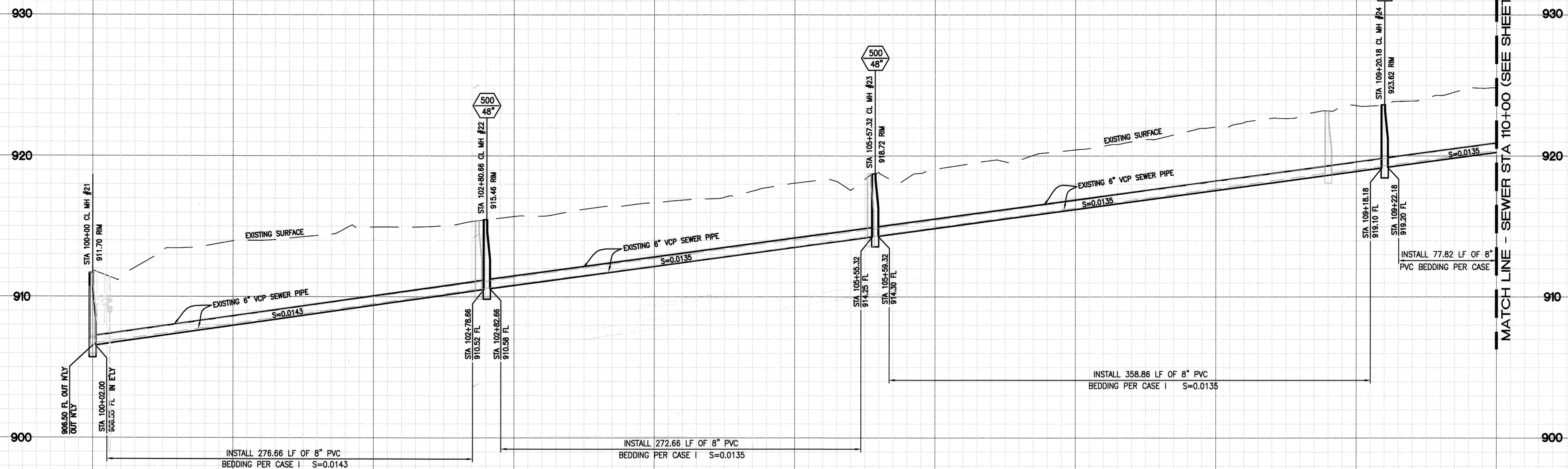


MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature]
ENGINEERING MANAGER: [Signature]
CONSTRUCTION ADMIN.: [Signature]
TRAFFIC DIVISION: [Signature]
SURVEY: [Signature]
STREETS: [Signature]

SEWER REPLACEMENT
NINTH STREET
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DESIGN WORK ORDER NO.: 1208511
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET **10** OF **14**
FILE NAME: S2101-10.DWG

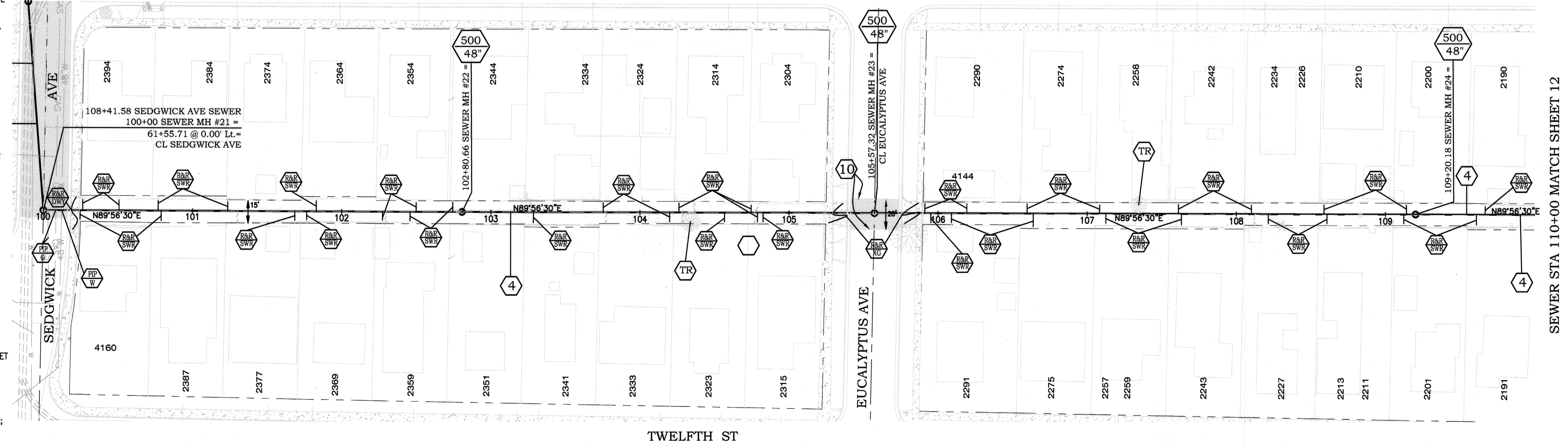


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- TR TREE TO BE REMOVED BY CONTRACTOR.
- PIP PROTECT IN PLACE, DESCRIPTION PER PLAN: PP=POWER POLE; TR=TREE; SL=STREET LIGHT; CB=CABINET; SD=STORM DRAIN; G=GAS; W=WATER; WM=WATER METER; TEL=TELEPHONE.
- CB&R REMOVE AND REPLACE EXISTING, DESCRIPTION PER PLAN. CB=CURB TO MATCH EXISTING CURB HEIGHT; DWY=DRIVEWAY; G=ALLEY GUTTER; PED=PEDESTRIAN RAMP; SWK=SIDEWALK; SWR=SEWER LATERAL; XG=CROSS GUTTER.
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- RPM RAISED PAVEMENT MARKER. DESCRIPTION PER PLAN. (1) BLUE.

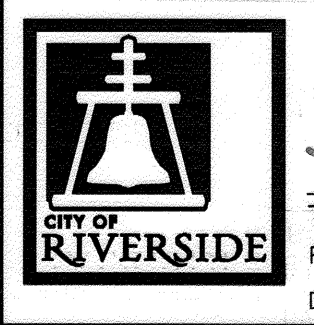
SEDGWICK AVE
SEE SHEET 6



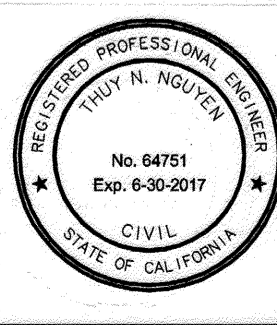
SEWER STA 110+00 MATCH SHEET 12

BENCHMARK I-7
P.K. NAIL IN THE BASE OF A STREET LIGHT POLE AT THE BACK OF THE SOUTHERLY CURB OF UNIVERSITY AVENUE, 27 FEET EASTERLY OF THE CENTERLINE OF COMER AVENUE PRODUCED.
ELEVATION: 911.568 (NGVD 29)

Under Ground Service Alert of Southern California
Call: TOLL FREE 1-800 227-2600
TWO WORKING DAYS BEFORE YOU DIG



ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-17
DATE: 7/15/15



MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	EM	7/16/15	[Signature]
CONSTRUCTION ADMIN.	CA	7/15/15	CITY ENGINEER
TRAFFIC DIVISION	TD	7-15-15	
SURVEY	SV	7/15/15	
STREETS	ST		

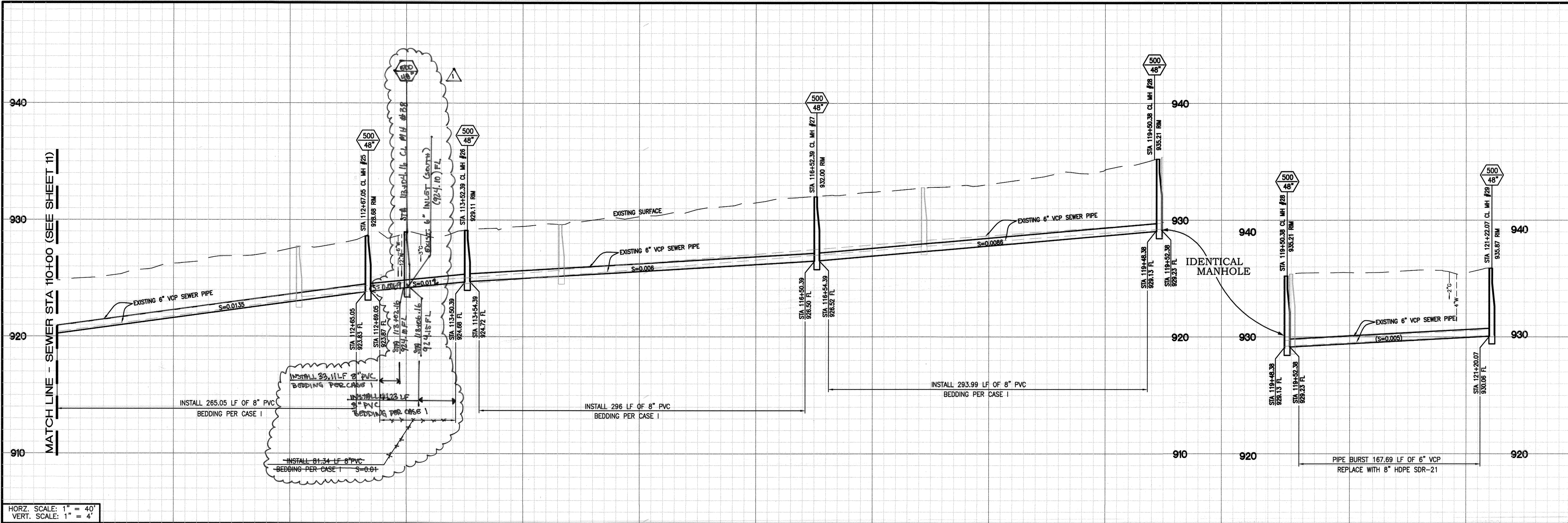
DESIGNED BY: TN DRAWN BY: LA CHECKED BY: TN

SEWER REPLACEMENT
NINTH STREET SEWER REPLACEMENT
ALLEY BETWEEN ELEVENTH STREET AND TWELFTH STREET
STA 100+00 TO STA 110+00

DESIGN WORK ORDER NO.: 1208511
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET **11** OF **14**
FILE NAME: S2101-11.DWG

CAUTION:
PROTECT IN PLACE OVERHEAD UTILITIES AT ALL TIMES.

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



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

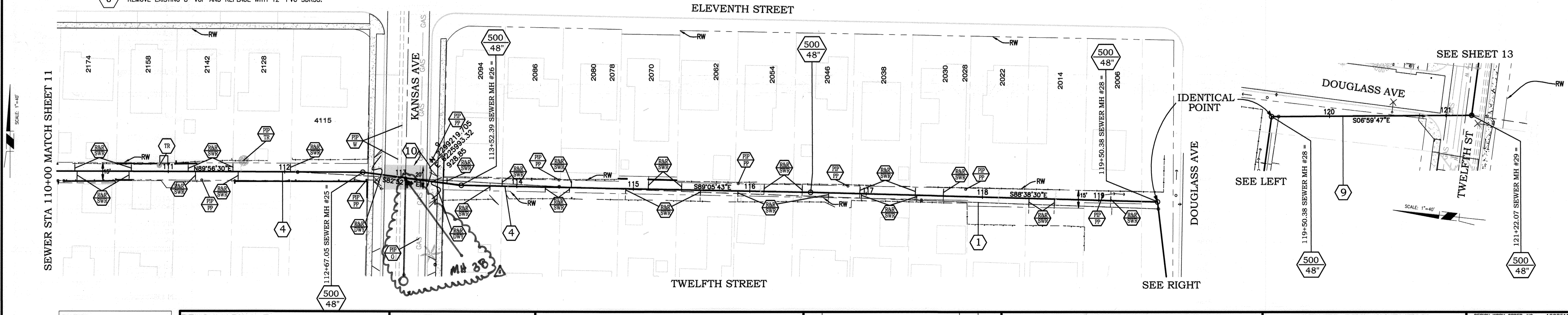
CONSTRUCTION NOTES:

- NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY. UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET, ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- 1 REMOVE AS NEEDED OR ABANDON EXISTING SEWER PIPE AND MANHOLES IN PLACE.
- 2 EXISTING SEWER MAIN AND MANHOLE TO REMAIN, PROTECT IN PLACE.
- 3 REMOVE EXISTING 8" VCP AND REPLACE WITH 12" PVC SDR35.

- 4 REMOVE EXISTING 6" VCP AND REPLACE WITH 8" PVC SDR35.
- 5 REMOVE AND REPLACE ~~IN PLACE~~ EXISTING SPEED BUMP, INCLUDING THERMOPLASTIC PAVEMENT LETTERING "BUMP." SEE DETAIL IN SPECIAL PROVISIONS. CONTRACTOR SHALL INSTALL NEW PVC SERVICE LATERAL FROM MAINLINE TO SEWER CLEANOUT PER CITY STD. DWG. NO. 562. CONNECT LATERAL TO PROPOSED PVC MAINLINE.
- 6 CONTRACTOR SHALL ADJUST CLEAN OUT TO GRADE AND INSTALL CONCRETE LID.
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- PIP PROTECT IN PLACE, DESCRIPTION PER PLAN; PP=POWER POLE; TR=TREE; SL=STREET LIGHT; CB=CABINET; SD=STORM DRAIN; G=GAS; W=WATER; WM=WATER METER; TEL=TELEPHONE.

- REMOVE AND REPLACE EXISTING, DESCRIPTION PER PLAN. CB=CURB TO MATCH EXISTING CURB HEIGHT; DMY=DRIVEWAY; G=ALLEY GUTTER; PED=PEDESTRIAN RAMP; SWK=SIDEWALK; SWR=SEWER LATERAL; XG=CROSS GUTTER;
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- RAISED PAVEMENT MARKER. DESCRIPTION PER PLAN. (1) BLUE.

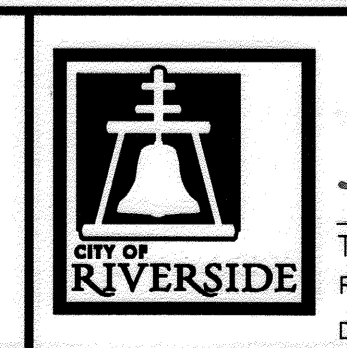
NOTE:
NO SEWER LATERALS WAS OBSERVED FOR THIS PROPERTY.



CAUTION: PROTECT IN PLACE OVERHEAD UTILITIES AT ALL TIMES.

BENCHMARK I-7
P.K. NAIL IN THE BASE OF A STREET LIGHT POLE AT THE BACK OF THE SOUTHERLY CURB OF UNIVERSITY AVENUE, 27 FEET EASTERLY OF THE CENTERLINE OF COMER AVENUE PRODUCED.
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ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-17
DATE: 7/11/15



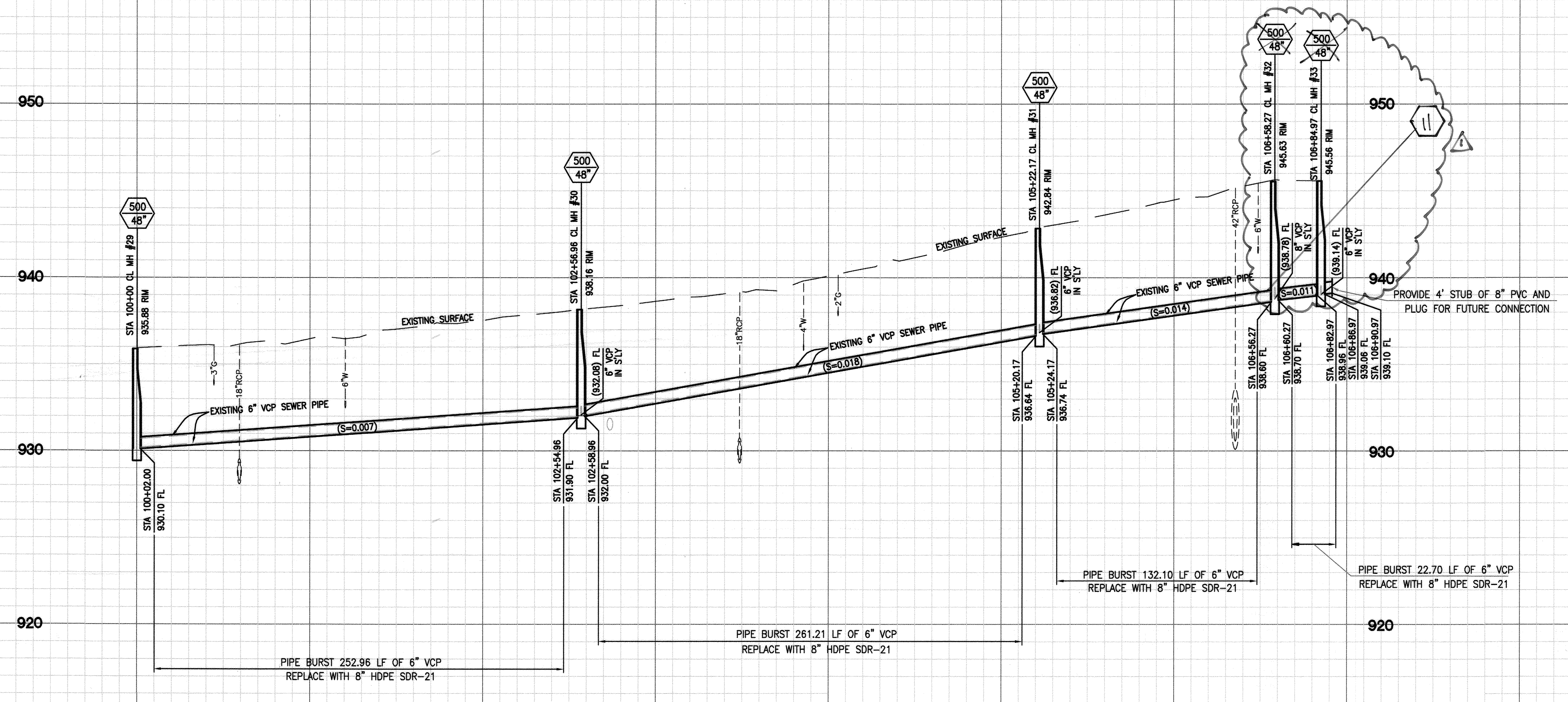
DESIGNED BY	TN	DRAWN BY	LA	CHECKED BY	TN
AS-BUILT CHANGES					
REVISIONS	DATE	BY	DATE	BY	DATE

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS					
APPROVED BY	BY	DATE	APPROVED BY	BY	DATE
ENGINEERING MANAGER	PM	7/14/15	CITY ENGINEER	[Signature]	7/13/15
CONSTRUCTION ADMIN.	DC	7/13/15			
TRAFFIC DIVISION	R.H.	7/13/15			
SURVEY	S	7/13/15			

SEWER REPLACEMENT NINTH STREET SEWER REPLACEMENT ALLEY BETWEEN ELEVENTH STREET AND TWELFTH STREET STA 110+00 TO STA 121+11.95

DESIGN WORK ORDER NO.: 120851 CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET 12 OF 14
FILE NAME: S2101-12.DWG

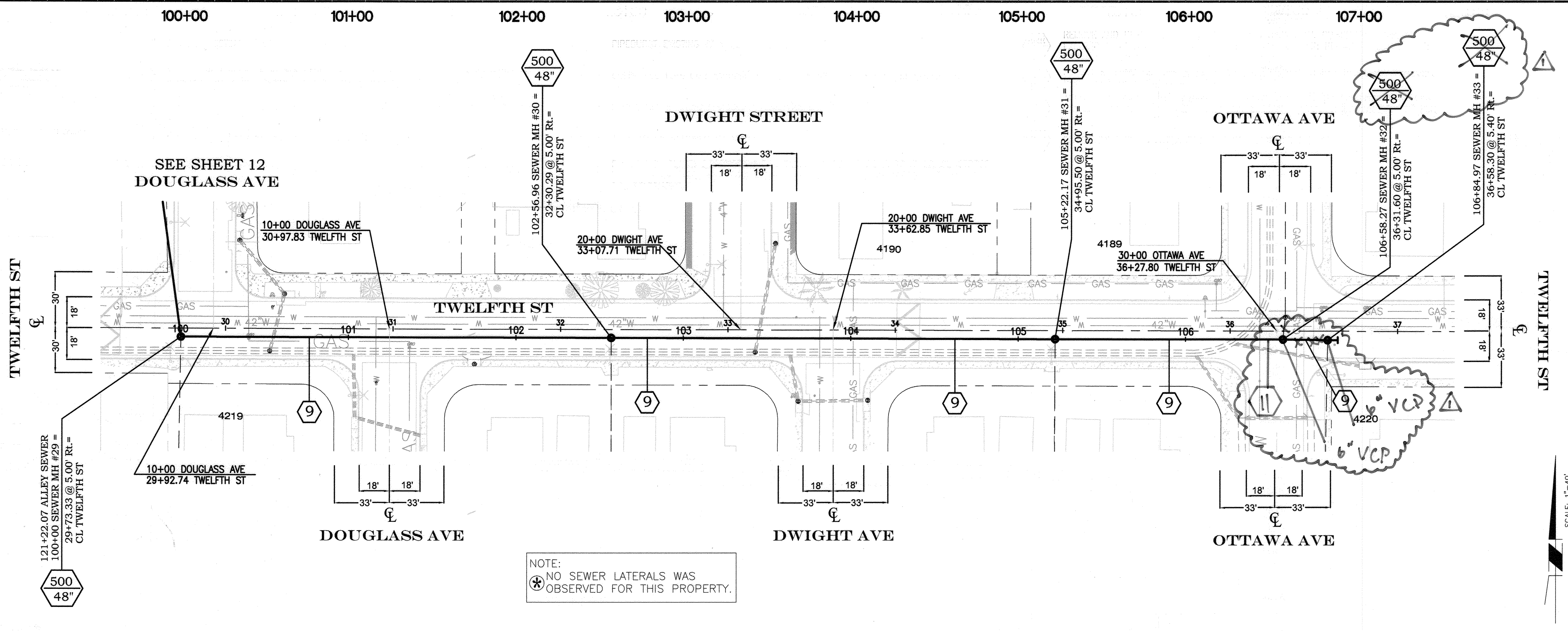
HORIZ. SCALE: 1" = 40' | VERT. SCALE: 1" = 4'



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

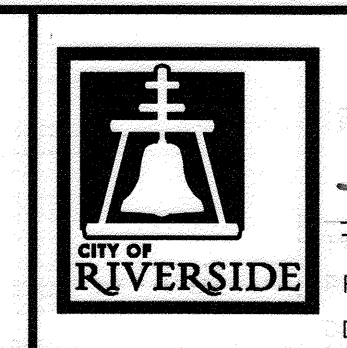
CONSTRUCTION NOTES:

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- RPM RAISED PAVEMENT MARKER, DESCRIPTION PER PLAN. (1) BLUE.

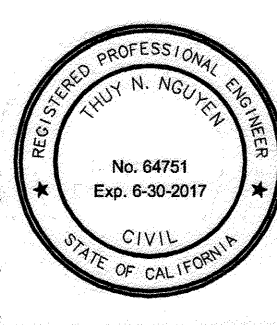


BENCHMARK I-7
P.K. NAIL IN THE BASE OF A STREET LIGHT POLE AT THE BACK OF THE SOUTHERLY CURB OF UNIVERSITY AVENUE, 27 FEET EASTERLY OF THE CENTERLINE OF COMER AVENUE PRODUCED.
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ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-17
DATE: 7/11/15

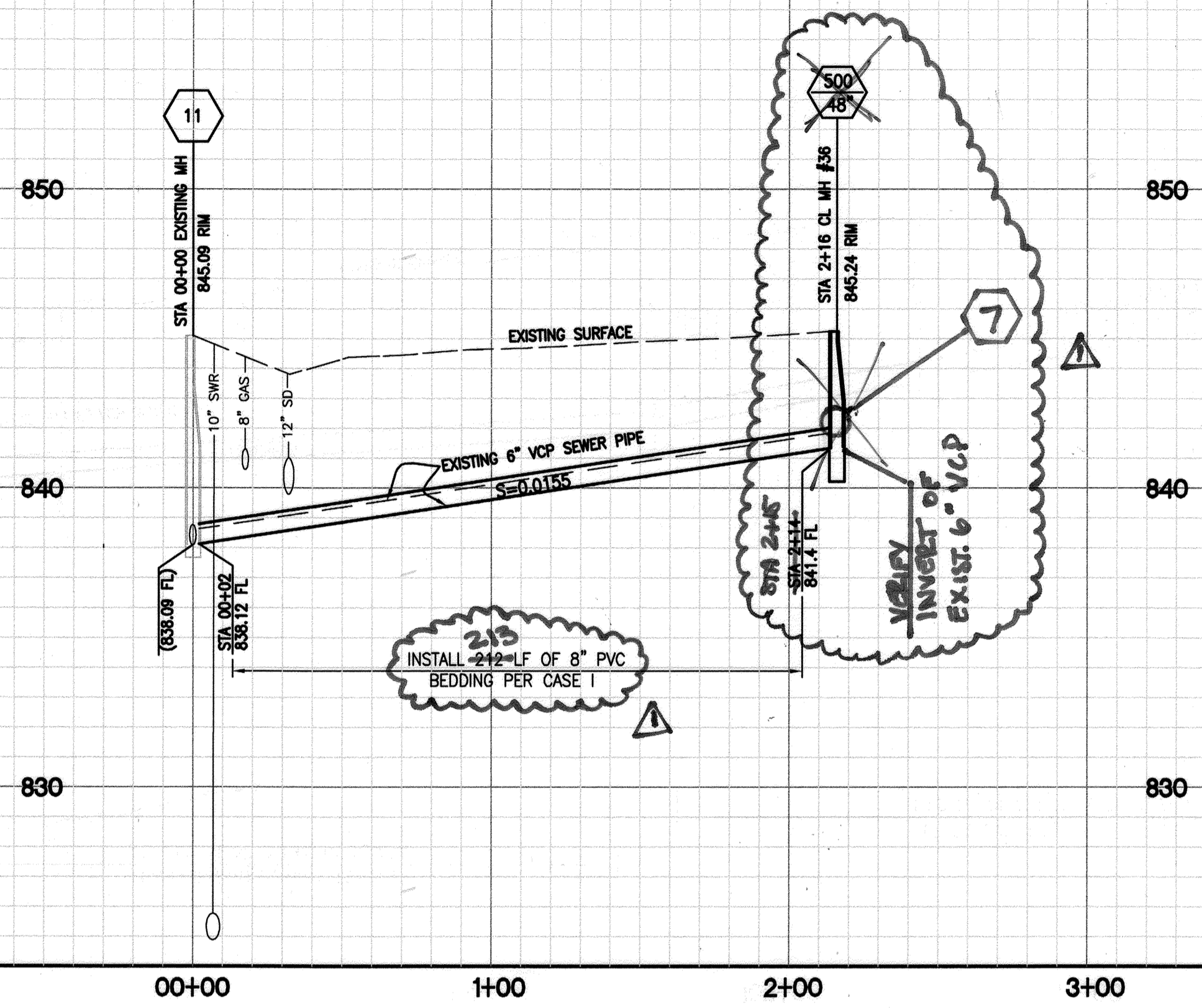


DESIGNED BY	TN	DRAWN BY	LA	CHECKED BY	TN
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CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS					
APPROVED BY	BY	DATE	APPROVED BY	BY	DATE
ENGINEERING MANAGER	FM	7/14/15	CITY ENGINEER	[Signature]	7/13/15
CONSTRUCTION ADMIN.	DL	7/14/15			
TRAFFIC DIVISION	CS	7/14/15			
SURVEY					
STREETS					

SEWER REPLACEMENT
NINTH STREET
SEWER REPLACEMENT
TWELFTH STREET
DOUGLASS AVE TO OTTAWA AVE
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

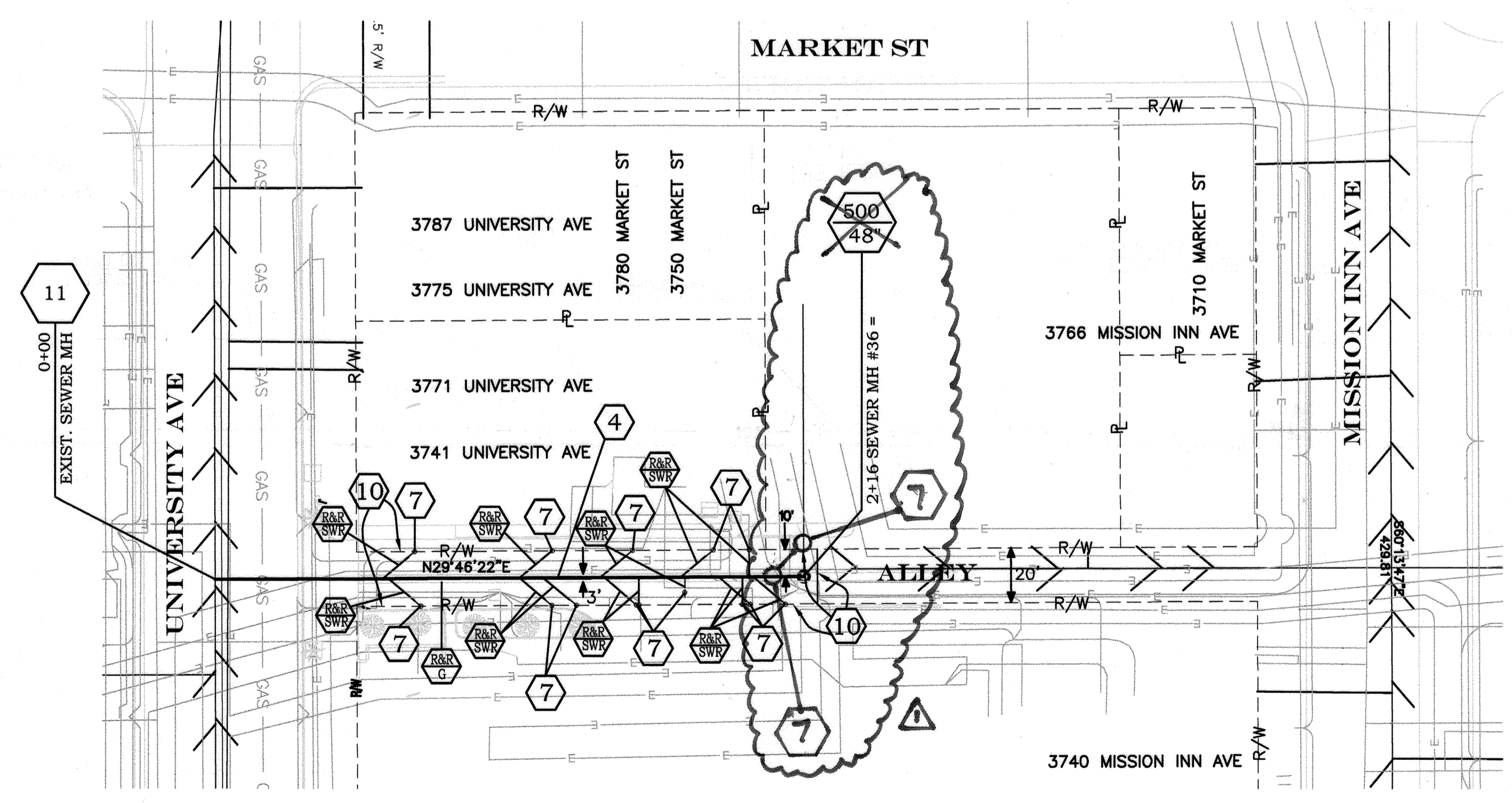
DESIGN WORK ORDER NO.: 120851
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET **13** OF **14**
FILE NAME: S2101-13.DWG



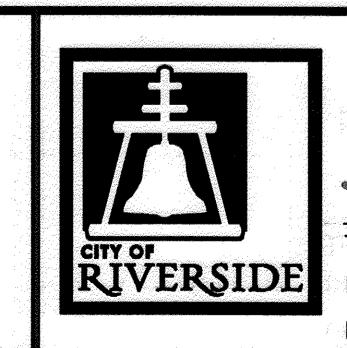
HORZ. SCALE: 1" = 40'
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CONSTRUCTION NOTES:

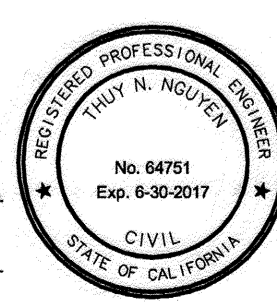
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ELEVATION: 911.568 (NGVD 29)



ENGINEER IN RESPONSIBLE CHARGE
Thuy Nguyen
R.C.E. No. 64751 EXPIRES: 6-30-17
DATE: 7/13/15



DESIGNED BY	TN	DRAWN BY	LA	CHECKED BY	TN
<p>REVISIONS</p> <p>1. AS-BUILT CHANGES T.N. 9/9/16</p>					

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER	PM	7/14/15	City Engineer
CONSTRUCTION ADMIN.	DC	7/10/15	
TRAFFIC DIVISION	GM	7-14-15	
SURVEY	CS	7-14-15	
STREETS			

SEWER REPLACEMENT
NINTH STREET
SEWER REPLACEMENT
ALLEY BETWEEN UNIVERSITY AVENUE AND MISSION INN

DESIGN WORK ORDER NO.: 1208511
CONSTR. WORK ORDER NO.: 1312304
S-2101
SHEET **14** OF **14**
FILE NAME: S2101-14.DWG