

GENERAL NOTES

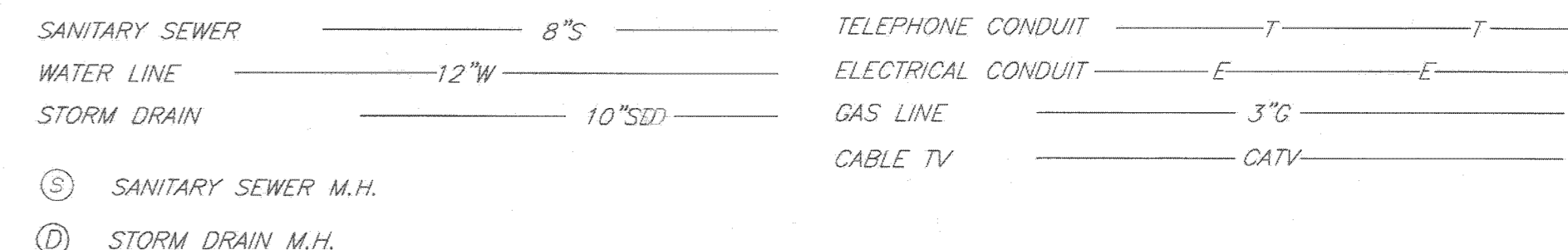
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
- EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM PUBLIC RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN.
- CONTRACTOR SHALL POthOLE AND VERIFY ALL LOCATIONS AND ELEVATIONS OF UTILITIES PRIOR TO THE START OF CONSTRUCTION TO ELIMINATE INTERFERENCE WITH NEW CONSTRUCTION.
- PRIME CONTRACTOR BIDDING THIS WORK SHALL HAVE A CLASS "A, C-34 OR C-42" LICENSE.
- ALL ELEVATIONS SHOWN ON THIS PLAN SHALL BE STAKED IN THE FIELD.
- BACKFILLING OF TRENCH AND PAVEMENT REPLACEMENT SHALL BE DONE PER CITY OF RIVERSIDE STANDARD DRAWING 453.
- ANY WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR LOOPS SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL HAVE BEEN NOTIFIED AND THE NECESSARY TIMING ADJUSTMENTS ARE MADE TO MAINTAIN SIGNAL OPERATION.
- CONTRACTOR SHALL REPLACE ALL EXISTING TRAFFIC DETECTOR LOOPS AFFECTED BY CONSTRUCTION.
- TEMPORARY CONSTRUCTION EASEMENTS HAVE BEEN OBTAINED FOR WORK SHOWN OUTSIDE OF CITY RIGHT OF WAY.
- CONTRACTOR SHALL RELOCATE ALL TRAFFIC SIGNS, REMOVED DUE TO CONSTRUCTION, PER CITY STANDARDS.
- DUCTILE IRON PIPE AND FITTINGS SHALL BE LINED WITH A CERAMIC EPOXY LINING MINIMUM OF 40-MIL THICK.
- MECHANICAL RESTRAINED JOINTS SHALL BE USED.

RIVERSIDE CITY OF RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT  
MAGNOLIA UNDERPASS SEWER RELOCATION  
JURUPA SEWER  
FROM PALM AVENUE  
TO MAGNOLIA AVENUE

EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

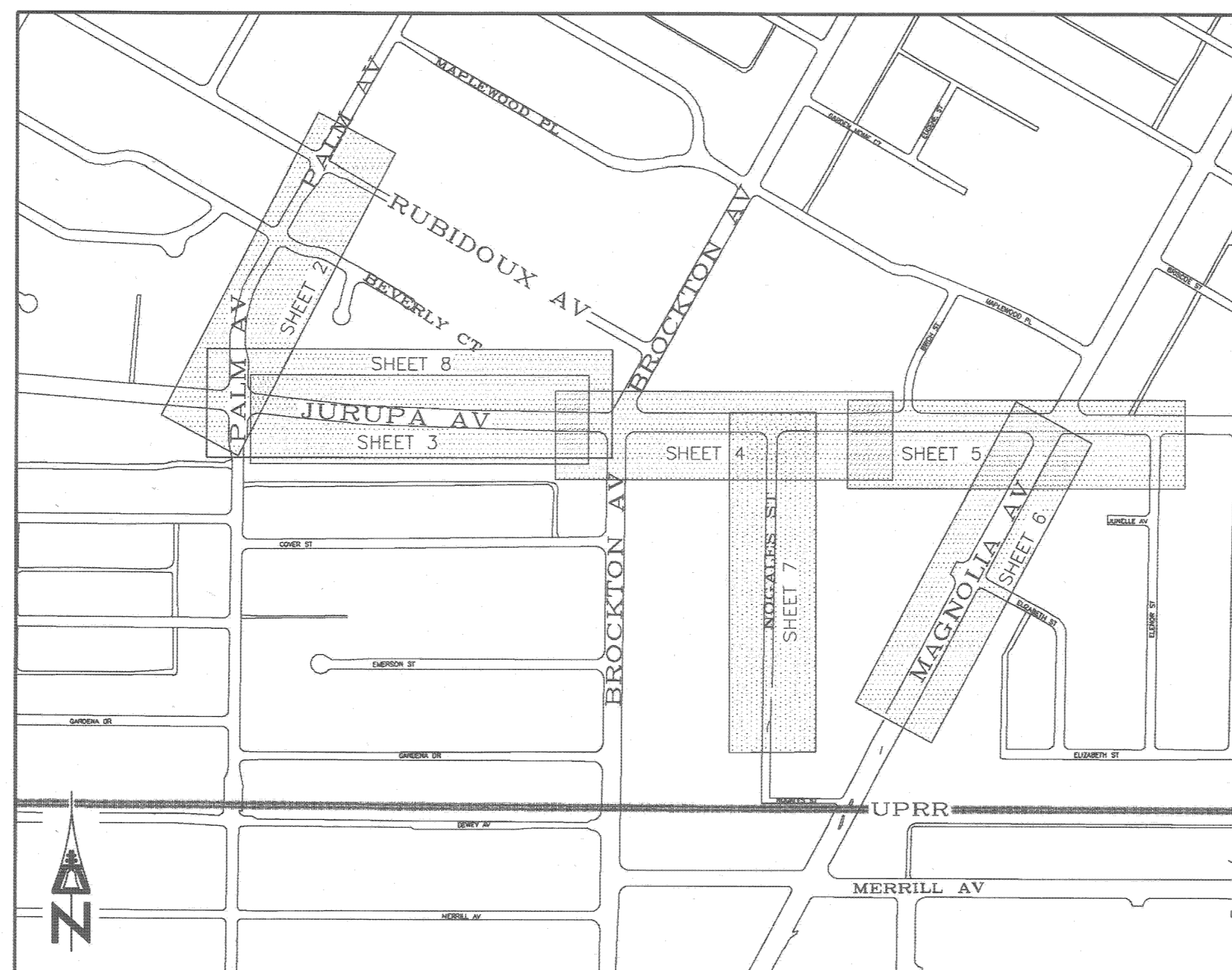
EXISTING UNDERGROUND UTILITIES:



SPECIFIC 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.
- 500 RR REMOVE AND REPLACE EXISTING MANHOLE AND CONNECT PROPOSED 12" VCP AND/OR 8" SWR PIPE(S)
- 580 RR REMOVE EXISTING CLEANOUT AND INSTALL NEW CLEANOUT TO CONNECT PROPOSED 6" VCP AND EXISTING LATERAL. REBUILD EXISTING LATERAL AS NECESSARY FOR PROPER CONNECTION.
- 1 ABANDON EXISTING SEWER MANHOLE IN PLACE
- 2 EXISTING SEWER TO REMAIN IN SERVICE.
- 3 PROTECT AND SUPPORT IN PLACE.
- 4 REMOVE EXISTING 6" PIPE AND REPLACE WITH 12" VCP.
- 5 CONSTRUCT MANHOLE OVER EXISTING 8" VCP AND CONNECT PROPOSED 12" VCP AFTER PIPE INSTALLATION IS APPROVED BY THE ENGINEER.
- 6 ABANDON EXISTING 8" MAIN AND CONNECT ENCOUNTERED EXISTING LATERALS TO PROPOSED 12" OR 8" MAIN AT THE MOST DIRECT LOCATION PER CITY STANDARD 554 OR 562
- 7 REMOVE INTERFERING PORTION OF ABANDONED STORM DRAIN TO ALLOW CLEARANCE WITH PROPOSED 12" SEWER.
- 8 ABANDON EXISTING 6" VCP AND CLEANOUTS IN PLACE.
- 9 REBUILD SECTIONS OF CURB DAMAGED BY CONSTRUCTION.
- 10 CONSTRUCT SHELF OVER EXISTING 8" VCP AND CHANNEL MANHOLE TO ACCOMMODATE PROPOSED 12" PIPE TO THE EDGE OF THE EXISTING PIPE WITHOUT REMOVING IT. 8" PIPE WILL BE REMOVED WHEN 12" PIPE IS APPROVED BY THE ENGINEER.
- 11 CONNECT EXISTING 6" VCP SEWER AT BIRCH ST
- 12 INSTALL 12" OR 8" EPOXY LINED DIP WITH MECHANICAL RESTRAINED JOINTS.
- 13 ABANDON EXISTING SERVICE LATERALS IN PLACE.
- 14 REMOVE EXISTING 8" VCP AND REPLACE ALL PIPE WITH PROPOSED 12" VCP AND CONNECT ENCOUNTERED SERVICE LATERALS AT THE MOST DIRECT LOCATION.
- 15 REMOVE AND REPLACE BROKEN SECTION OF EXISTING 8" VCP (182.3 L.F. 8" VCP, CASE 1 BEDDING)
- 16 CONNECT EXISTING SERVICE LATERALS TO PROPOSED 12" VCP PER STANDARD 562 (OR 554)
- 17 REMOVE AND REPLACE 14.1 L.F. OF 8" VCP CASE 1 BEDDING

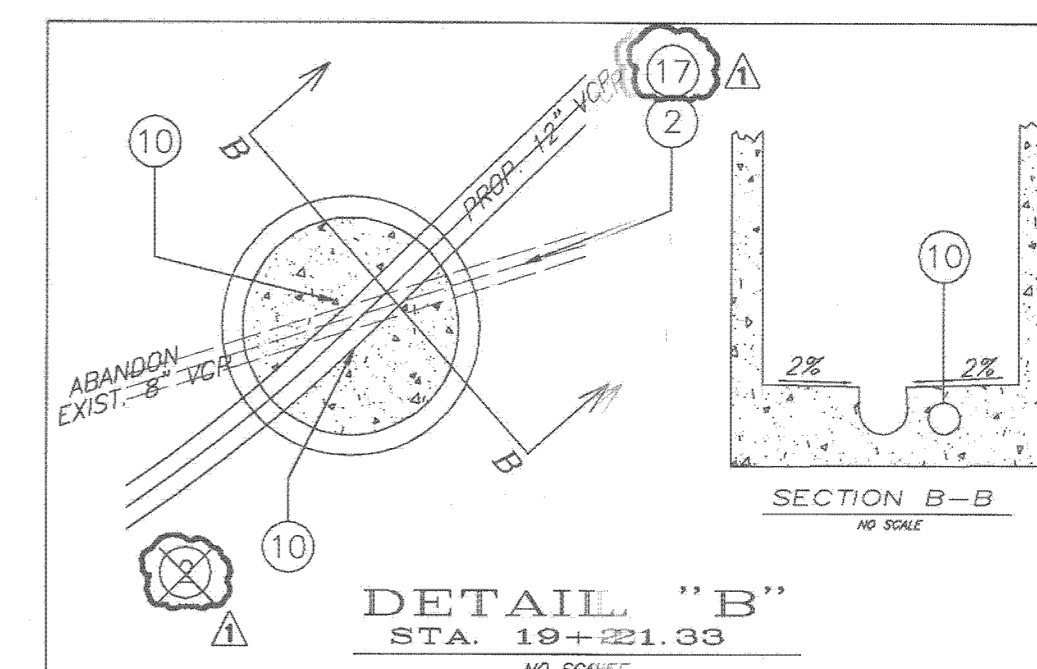
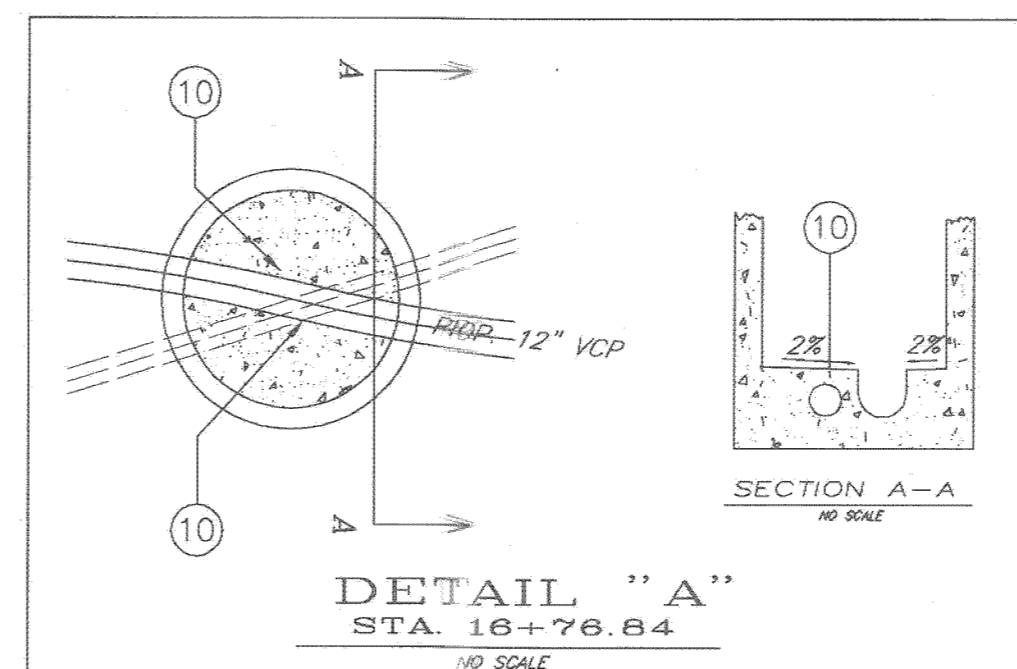
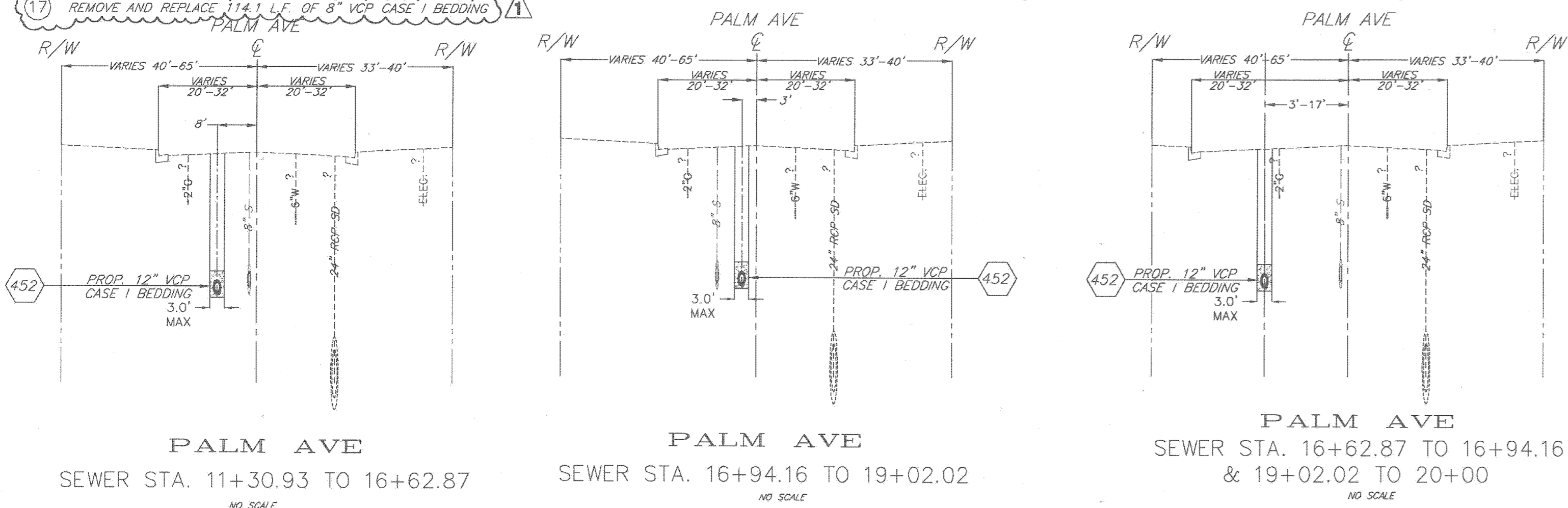
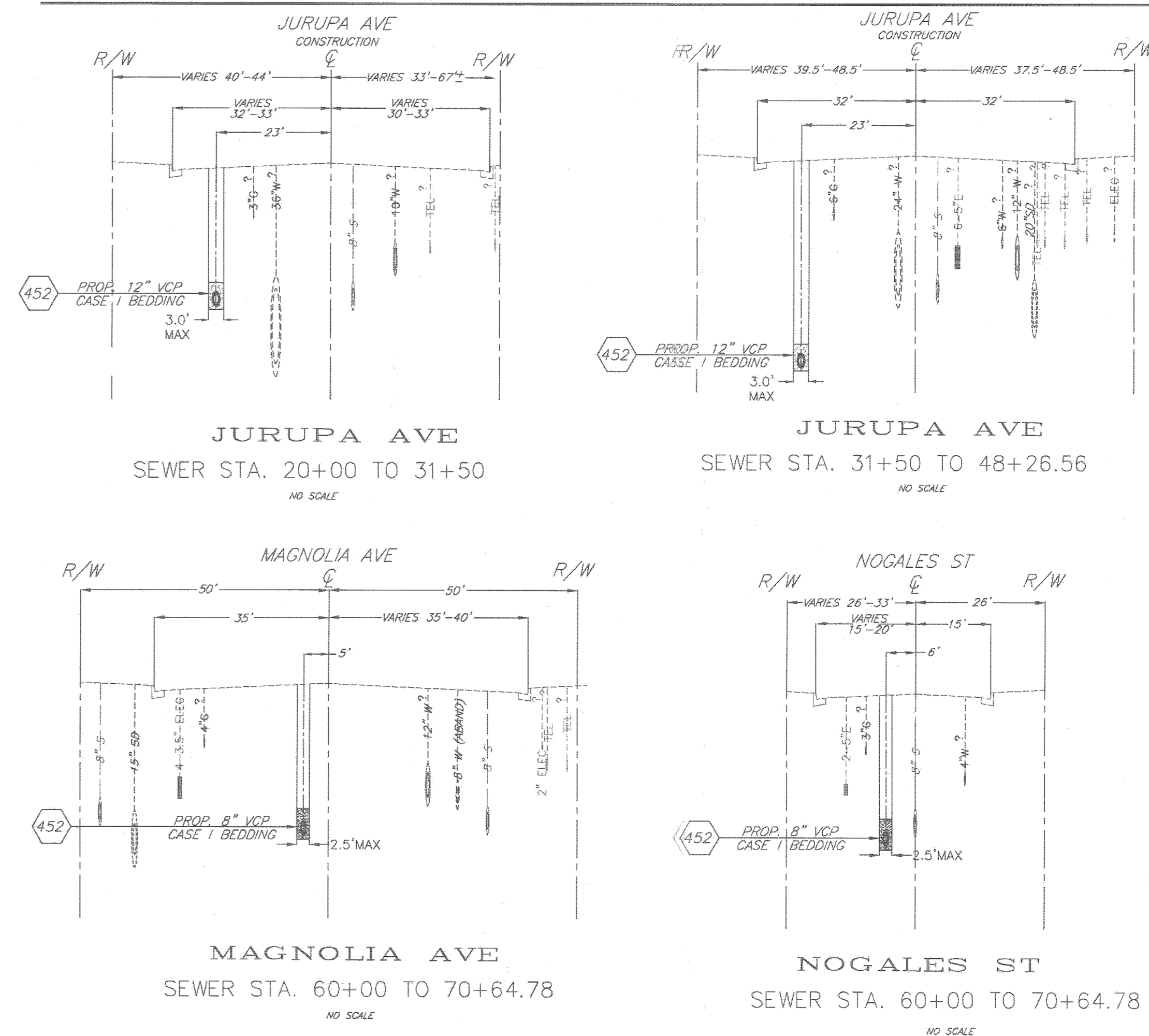
554 4 WHEN VERTICAL SEPARATION IS LESS THAN 1' CONNECT EXISTING SERVICE LATERALS USING A 20'-FT LENGTH CERAMIC EPOXY LINED DUCTILE IRON PIPE (DIP) CENTERED AT THE 36" W CL. DIP SHALL BE WRAPPED IN 8-MIL LLD POLYETHYLENE.



PROJECT LOCATION MAP

NTS

TYPICAL SECTIONS PROPOSED 12" & 8" SEWER



**IMPORTANT NOTICE**  
Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert ID, Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

**BENCHMARK**  
H6-B2 - BRASS DISK STAMPED "H6-B" IN A MONUMENT WELL AT THE INTERSECTION OF JURUPA AVENUE AND MAGNOLIA AVENUE.  
ELEV - 834.784

**ENGINEER IN RESPONSIBLE CHARGE**  
LARRY LEW YOUNG  
R.C.E. No. 43216, expires 03-21-2010  
DATE 05/13/2008

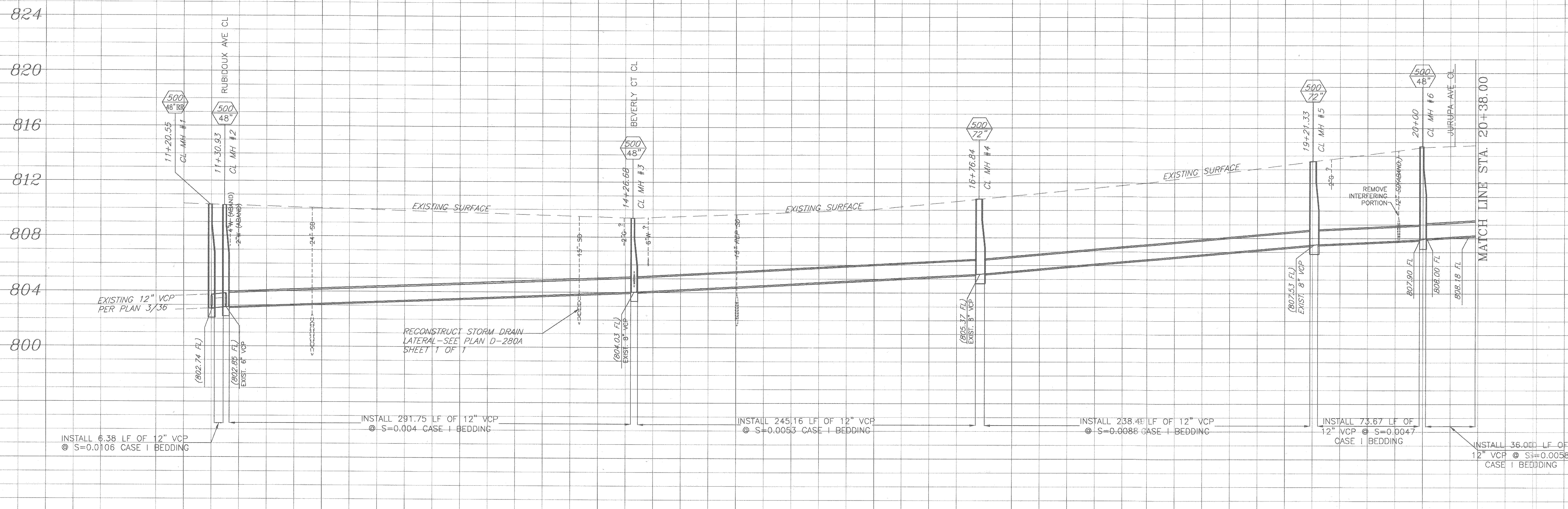
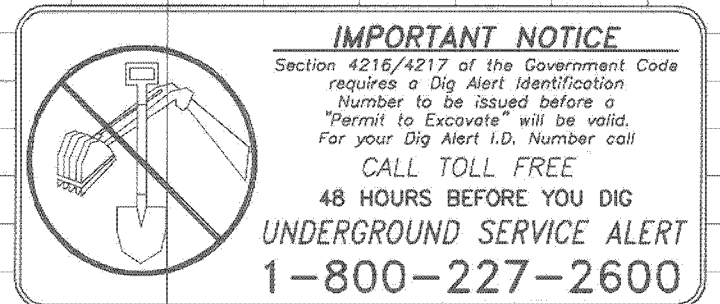
REGISTERED PROFESSIONAL ENGINEER  
LARRY LEW YOUNG  
No. 43216  
Exp. 03-31-2010  
CIVIL  
STATE OF CALIFORNIA

DESIGNED BY: \_\_\_\_\_ DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_ BY DATE: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_ DATE: \_\_\_\_\_  
SURVEYOR: \_\_\_\_\_  
ENGINEERING MANAGER: \_\_\_\_\_

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
APPROVED BY: \_\_\_\_\_ BY DATE: \_\_\_\_\_  
CITY ENGINEER

MAGNOLIA UNDERPASS SEWER RELOCATION  
JURUPA SEWER  
FROM PALM AVENUE  
TO MAGNOLIA AVENUE  
SCALE: AS SHOWN

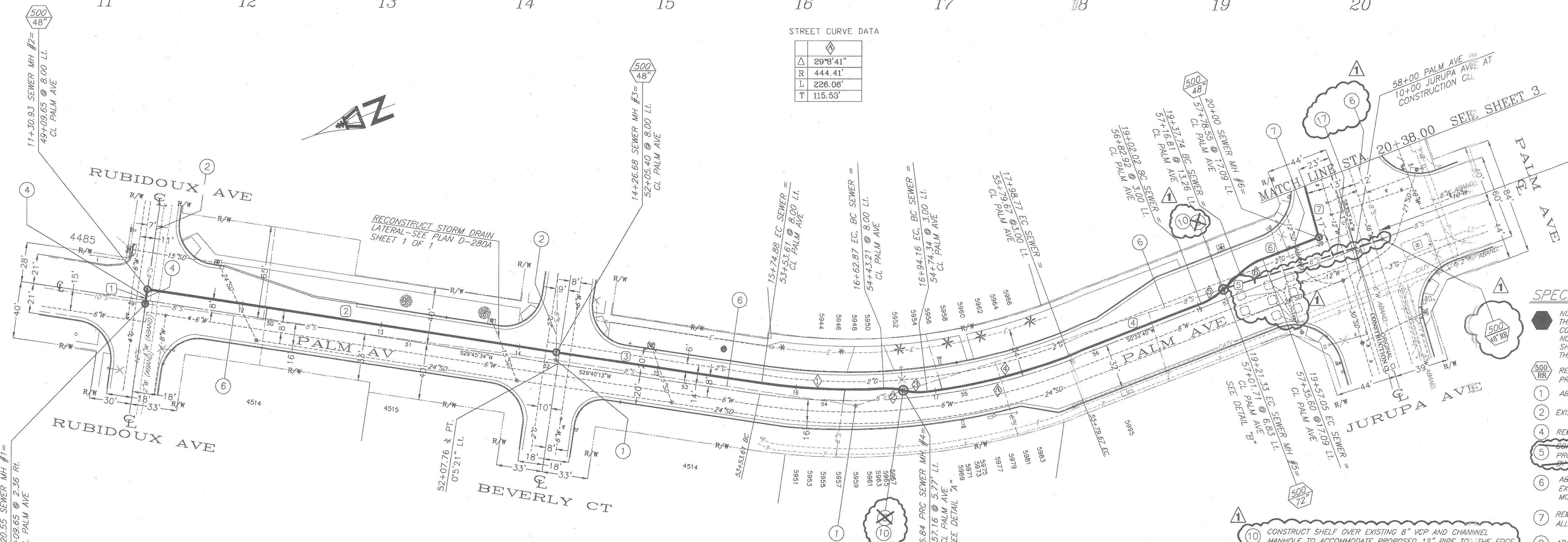
ACC. No. 9589723203-440301XX  
W.O. 0811725  
S-2042  
SHEET 1 OF 8



**BENCHMARK**  
H6-B2- BRASS DISK STAMPED "H6-B" IN A MONUMENT WELL AT THE INTERSECTION OF JURUPA AVENUE AND MAGNOLIA AVENUE.  
ELEV- 834.784

STREET CURVE DATA

Δ	29°0'41"
R	444.41'
L	226.06'
T	115.53'



SEWER CURVE DATA

Δ	R	L	T
11°33'5"	436.41'	87.98'	44.14'
16°40'14"	48'	13.97'	7.03'
20°41'5"	48'	17.32'	8.76'
13°34'45"	441.41'	104.61'	52.55'
23°02'56"	48'	19.31'	9.79'
23°02'56"	48'	19.31'	9.79'

SEWER LINE DATA

L	BEARING
10.38'	N60°14'27"E
298.11'	S29°45'34"W
145.85'	S29°40'13"W
103.25'	S0°32'40"W
16.41'	S22°30'16"E
42.95'	S0°32'40"W

- SPECIFIC 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.
  - REMOVE AND REPLACE EXISTING MANHOLE AND CONNECT PROPOSED 12" VCP (AND/OR 8" SWE PIPE(S)).
  - ABANDON EXISTING SEWER MANHOLE IN PLACE.
  - EXISTING SEWER TO REMAIN IN SERVICE.
  - REMOVE EXISTING 6" PIPE AND REPLACE WITH 12" VCP. RECONSTRUCT MANHOLE OVER EXISTING 8" VCP AND CONNECT PROPOSED 12" VCP AFTER PIPE INSTALLATION IS APPROVED BY THE ENGINEER.
  - ABANDON EXISTING 8" MAIN AND CONNECT ENCOUNTERED EXISTING LATERALS TO PROPOSED 12" OR 8" MAIN AT THE MOST DIRECT LOCATION PER CITY STANDARD 554 OR 562.
  - REMOVE INTERFERING PORTION OF ABANDONED STORM DRAIN TO ALLOW CLEARANCE WITH PROPOSED 12" SEWER.
  - ABANDON EXISTING 6" VCP AND CLEANOUTS IN PLACE.
  - REBUILD SECTIONS OF CURB DAMAGED BY CONSTRUCTION.

10 CONSTRUCT SHELF OVER EXISTING 8" VCP AND CHANNEL MANHOLE TO ACCOMMODATE PROPOSED 12" PIPE TO THE EDGE OF THE EXISTING PIPE WITHOUT REMOVING IT. 8" PIPE WILL BE REMOVED WHEN 12" PIPE IS APPROVED BY THE ENGINEER.  
 17 REMOVE AND REPLACE 114.1 L.F. OF 8" VCP CASE 1 BEDDING

**ENGINEER IN RESPONSIBLE CHARGE**  
 LOU LEE YOUNG  
 R.C.E. No. 43216 expires 03-21-2010  
 DATE 05/15/08



CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]  
 INSPECTOR: [Signature]  
 SURVEYOR: [Signature]  
 ENGINEERING MANAGER: [Signature]

DATE: 5/15/08

DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]

MAGNOLIA UNDERPASS SEWER RELOCATION  
 JURUPA SEWER FROM PALM AVENUE TO MAGNOLIA AVENUE

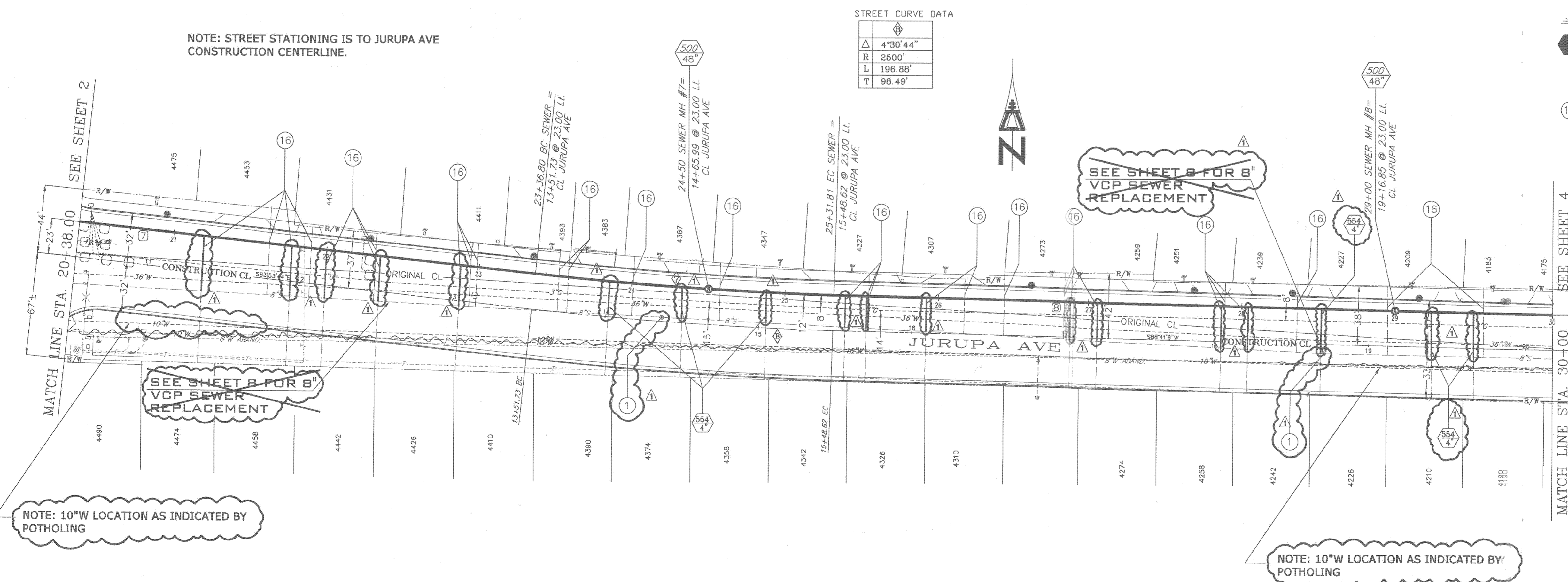
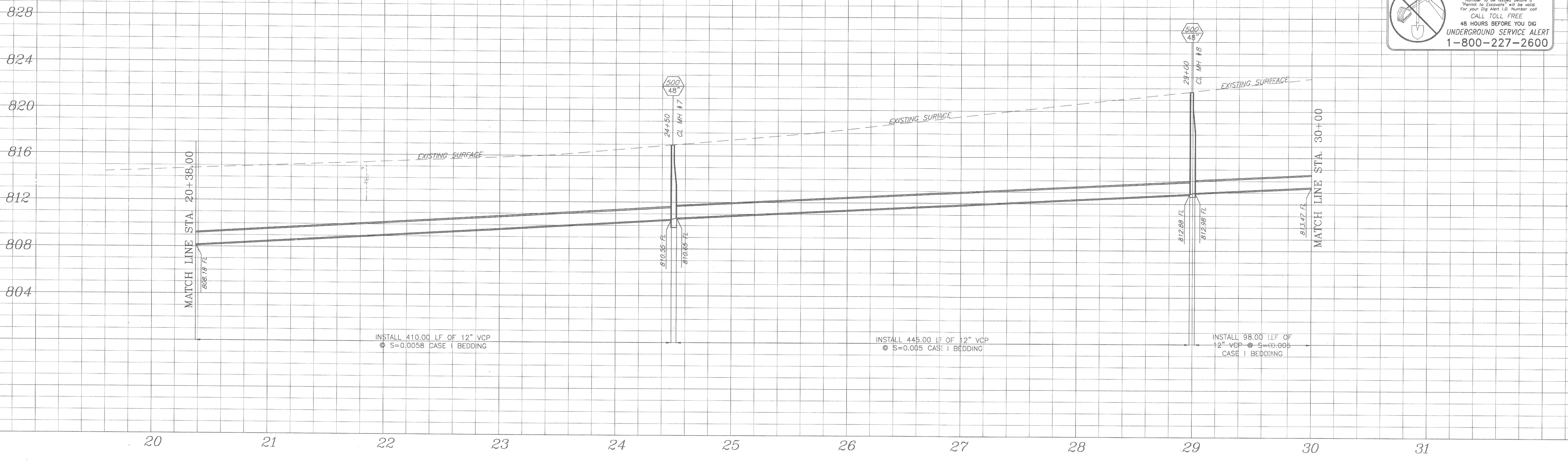
ACC. No. 958972303-440301XX  
 W.D. 0811725

S-2042

DATE 5/15/08

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

SHEET 2 OF 8

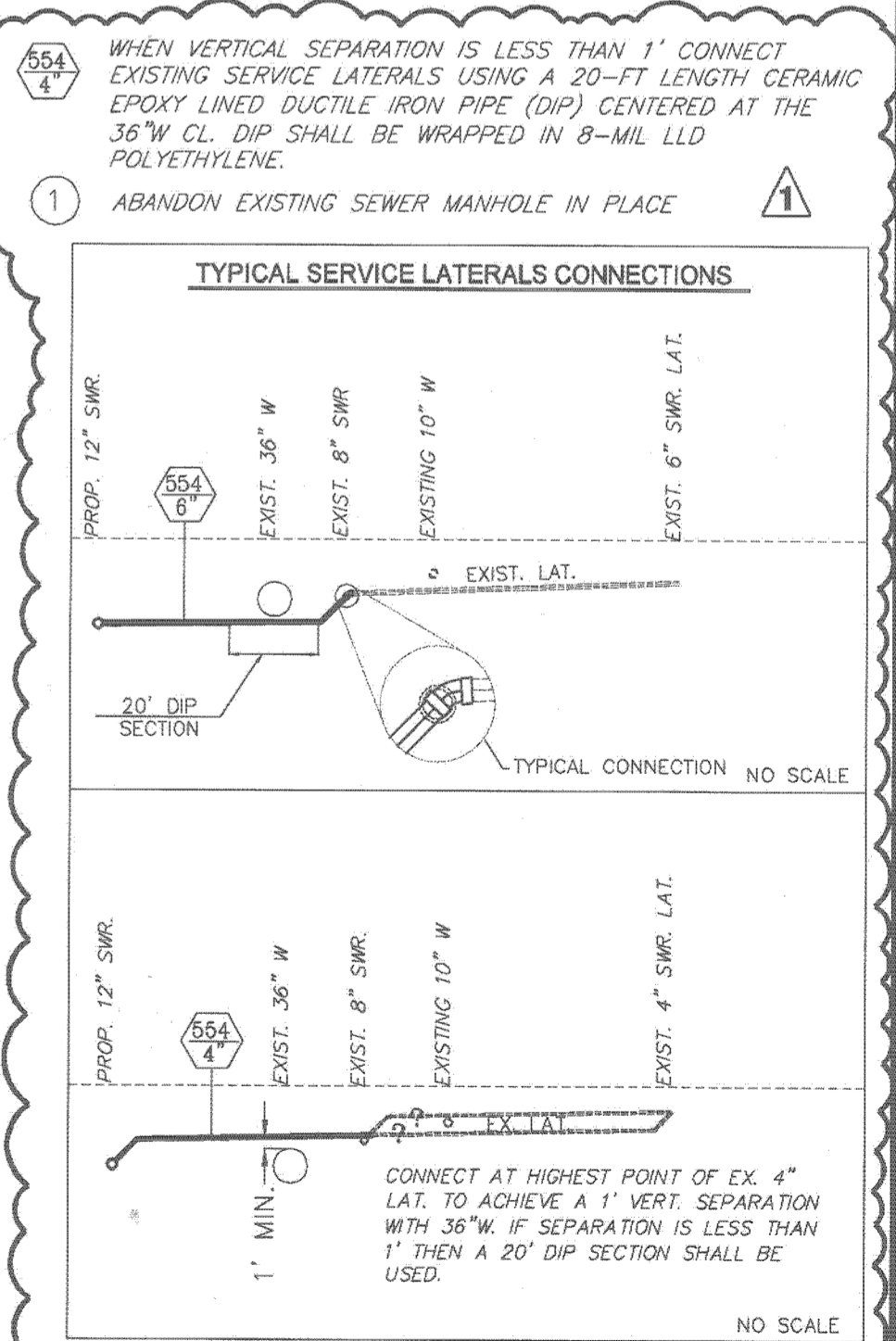


STREET CURVE DATA

Δ	4°30'44"
R	2500'
L	196.88'
T	98.49'

**SPECIFIC 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.
- CONNECT EXISTING SERVICE LATERALS TO PROPOSED 12" VCP PER STANDARD 562 OR 559
- WHEN VERTICAL SEPARATION IS LESS THAN 1' CONNECT EXISTING SERVICE LATERALS USING A 20-FT LENGTH CERAMIC EPOXY LINED DUCTILE IRON PIPE (DIP) CENTERED AT THE 36"W CL. DIP SHALL BE WRAPPED IN 8-MIL LLD POLYETHYLENE.
- ABANDON EXISTING SEWER MANHOLE IN PLACE



SEWER CURVE DATA

Δ	R	L	T
4°30'39"	2477'	195.02'	97.56'

SEWER LINE DATA

L	BEARING
⑦	336.80' S83°53'44"E
⑧	757.85' S88°41'6"E

**BENCHMARK**  
H6-B2- BRASS DISK STAMPED "H6-B" IN A MONUMENT WELL AT THE INTERSECTION OF JURUPA AVENUE AND MAGNOLIA AVENUE.  
ELEV- 834.784

**ENGINEER IN RESPONSIBLE CHARGE**  
LLOYD LEW YOUNG  
R.C.E. No. 43216 expires 03-21-2010  
DATE 02/12/2008



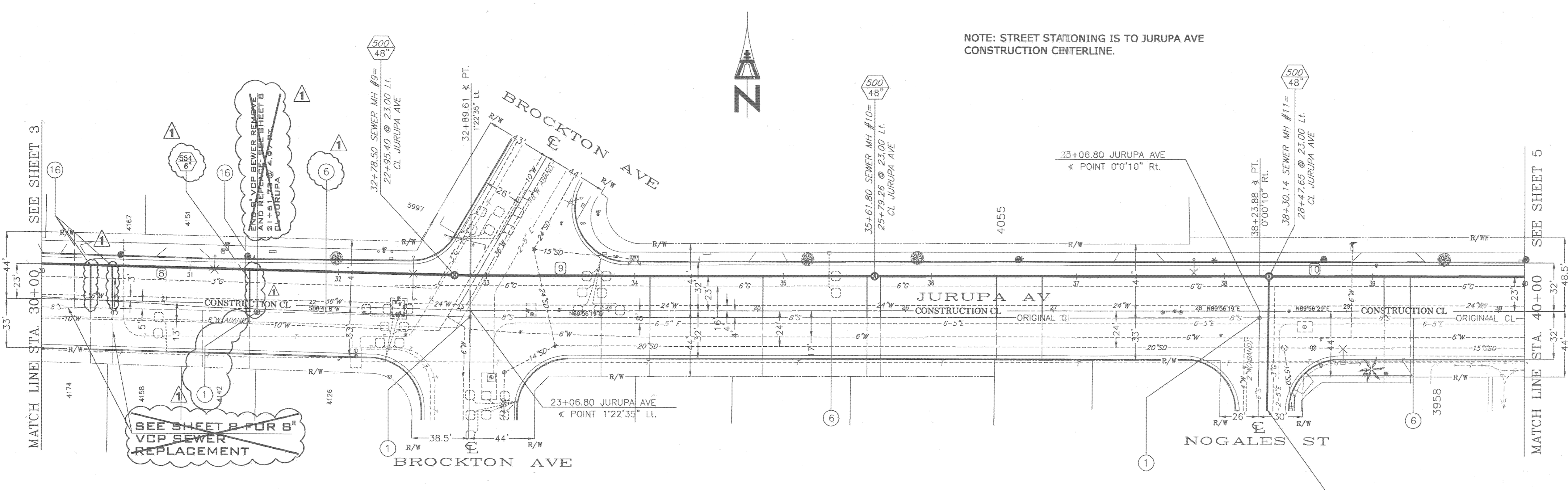
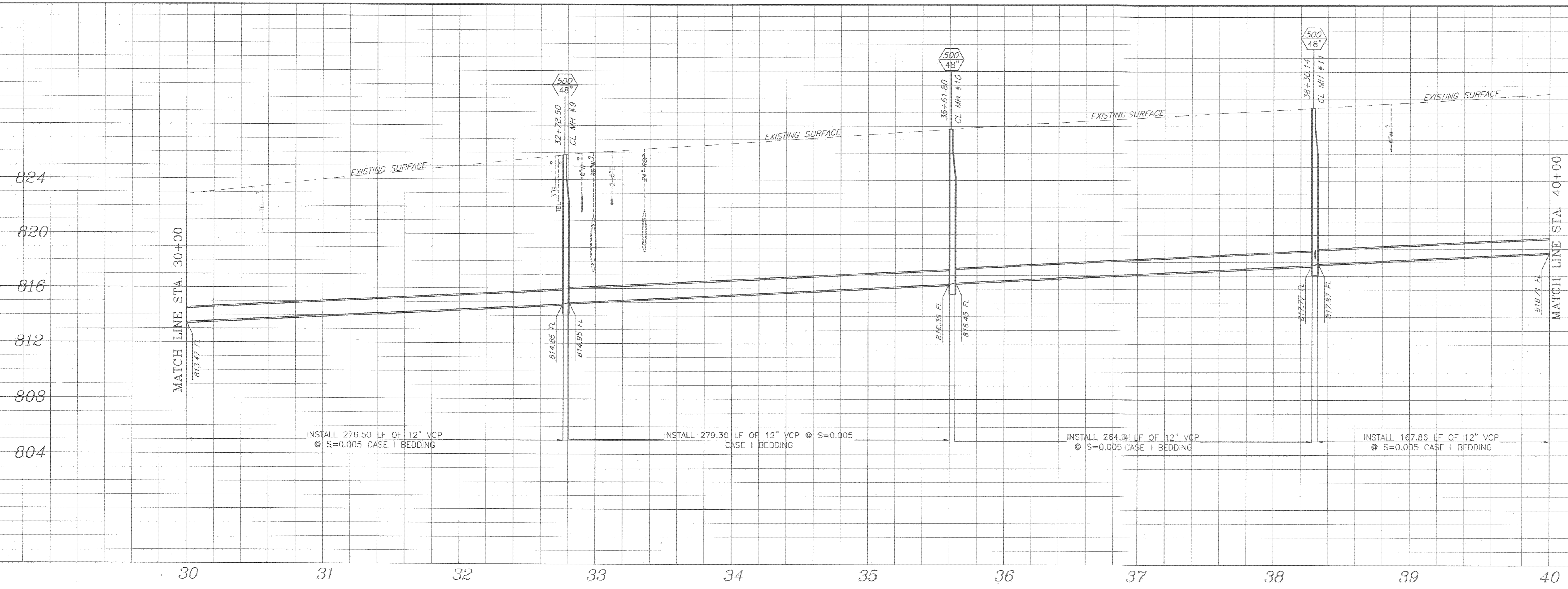
DESIGNED BY	MLAMPING	DRAN BY	MLAMPING	CHECKED BY	
APPROVED BY		BY DATE		APPROVED BY	
INSPECTION SUPERVISOR				CITY ENGINEER	
ENGINEERING MANAGER					

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
APPROVED BY: *[Signature]*  
DATE: 2/12/08

MAGNOLIA UNDERPASS SEWER RELOCATION  
JURUPA SEWER FROM PALM AVENUE TO MAGNOLIA AVENUE  
DATE: 2/12/08

ACC. No. 9589723203-440301XX  
W.D. 0811725  
S-2042  
SHEET 3 OF 8

**IMPORTANT NOTICE**  
 Section 4216/4217 of the Government Code requires a Dig Alert identification number to be issued before a Permit to Excavate will be valid. For your Dig Alert ID Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600



**BENCHMARK**  
 H6-B2- BRASS DISK STAMPED "H6-B" IN A MONUMENT WELL AT THE INTERSECTION OF JURUPA AVENUE AND MAGNOLIA AVENUE.  
 ELEV- 834.784

**SPECIFIC CONSTRUCTION NOTES**

- 1 ABANDON EXISTING SEWER PIPE OR MANHOLE IN PLACE.
- 6 ABANDON EXISTING 8" MAIN AND CONNECT ENCOUNTERED EXISTING LATERALS TO PROPOSED 12" OR 8" MAIN AT THE MOST DIRECT LOCATION PER CITY STANDARD 554 OR 562
- 16 CONNECT EXISTING SERVICE LATERALS TO PROPOSED 12" VCP PER STANDARD 562 OR 554

WHEN VERTICAL SEPARATION IS LESS THAN 1' CONNECT EXISTING SERVICE LATERALS USING A 20-FT LENGTH CERAMIC EPOXY LINED DUCTILE IRON PIPE (DIP) CENTERED AT THE 36"W CL. DIP SHALL BE WRAPPED IN 8-MIL LLD POLYETHYLENE

**SEWER LINE DATA**

	L	BEARING
8	757.85'	S88°41'6"E
9	534.27'	N89°56'19"E
10	473.10'	N89°56'28"E

**ENGINEER IN RESPONSIBLE CHARGE**  
 LOU W. YOUNG  
 R.C.E. No. 43216 expires 03-21-2010  
 DATE 05/12/08



**CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT**

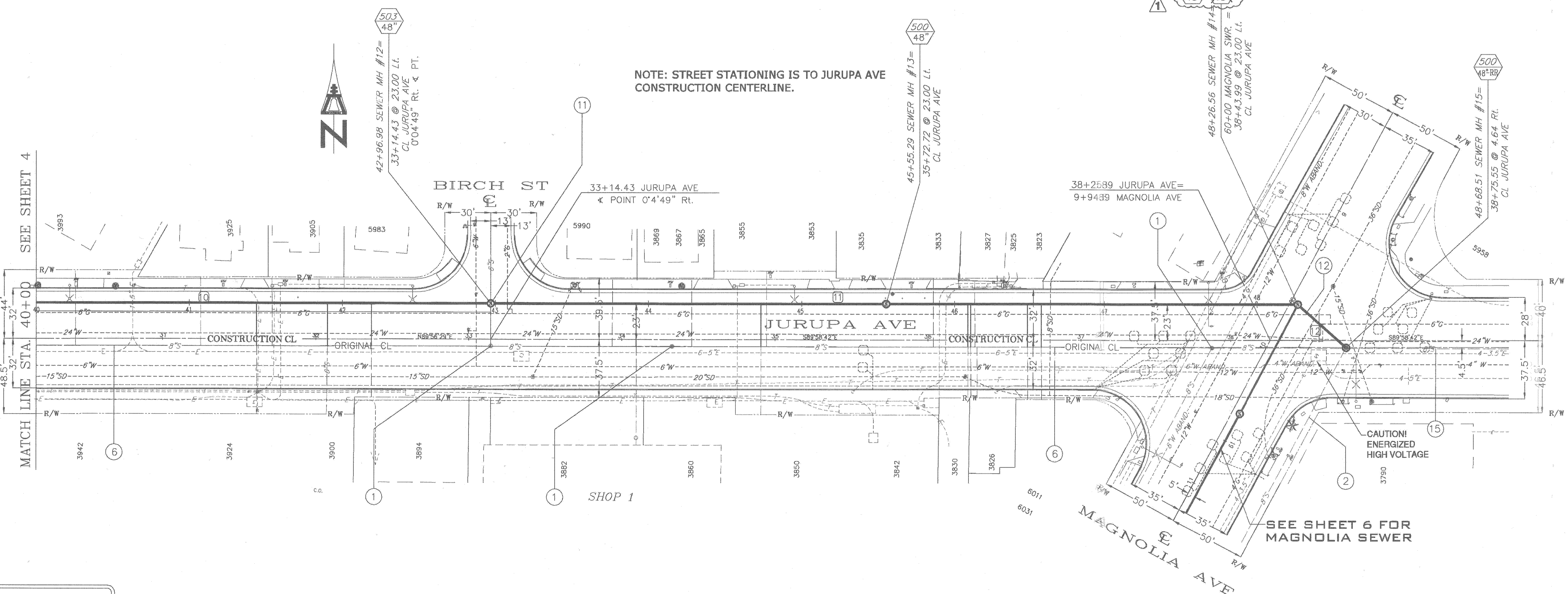
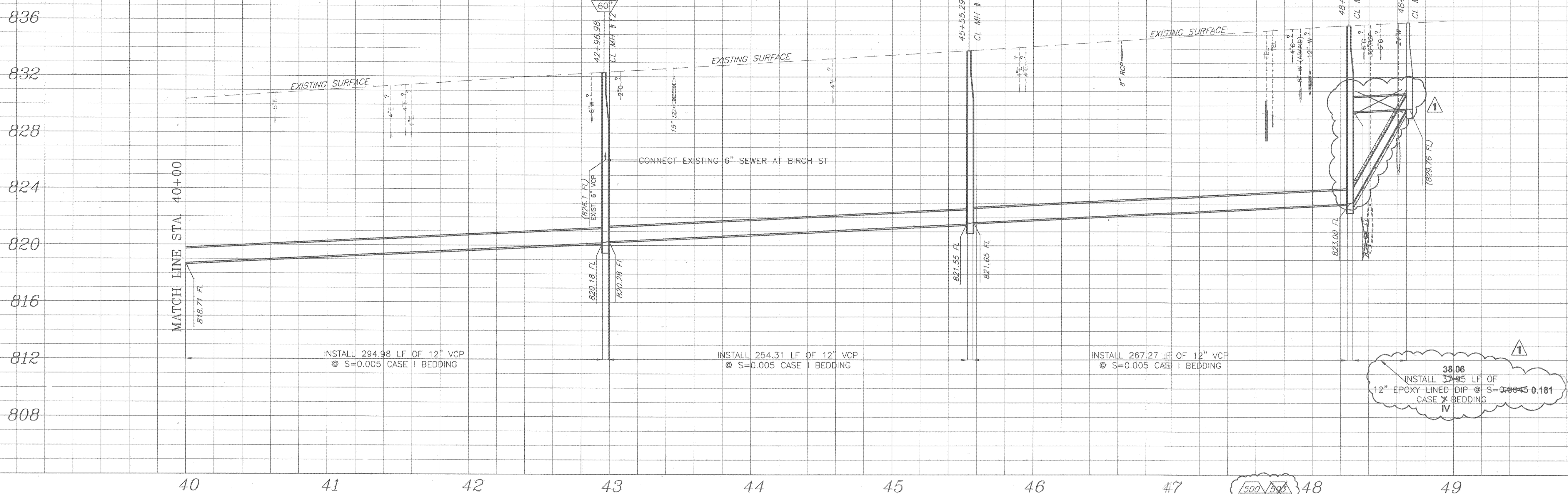
APPROVED BY: [Signature] DATE: 5/15/08  
 PRINCIPAL ENGINEER: [Signature]  
 SUPERVISOR: [Signature]  
 ENGINEERING MANAGER: [Signature]

DESIGNED BY: MLAMPING DRAWN BY: MLAMPING CHECKED BY:

**MAGNOLIA UNDERPASS SEWER RELOCATION JURUPA SEWER FROM PALM AVENUE TO MAGNOLIA AVENUE**

ACC. No. 9589723203-440301XX W.O. 0811725  
 S-2042  
 SHEET 4 OF 8

**IMPORTANT NOTICE**  
 Section 4216/4217 of the Government Code requires a Dig Alert identification Number to be issued before a Permit to Excavate will be void.  
 For your Dig Alert I.D. Number call  
**CALL TOLL FREE**  
**48 HOURS BEFORE YOU DIG**  
**UNDERGROUND SERVICE ALERT**  
**1-800-227-2600**



- SPECIFIC 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.
  - ABANDON EXISTING SEWER MANHOLE IN PLACE
  - EXISTING SEWER TO REMAIN IN SERVICE.
  - ABANDON EXISTING 8" MAIN AND CONNECT ENCOUNTERED EXISTING LATERALS TO PROPOSED 12" OR 8" MAIN AT THE MOST DIRECT LOCATION PER CITY STANDARD 554 OR 562
  - CONNECT EXISTING 6" VCP SEWER AT BIRCH ST
  - INSTALL 12" OR 8" EPOXY LINED DIP WITH MECHANICAL RESTRAINED JOINTS.
  - ABANDON EXISTING SERVICE LATERALS IN PLACE.
  - REMOVE AND REPLACE BROKEN SECTION OF EXISTING 8" VCP. (182.3 LF. 8" VCP, CASE I BEDDING)
  - REMOVE AND REPLACE EXISTING MANHOLE AND CONNECT PROPOSED 12" AND/OR 8" SWR. PIPE(S)

**BENCHMARK**  
 H6-B2- BRASS DISK STAMPED "H6-B" IN A MONUMENT WELL AT THE INTERSECTION OF JURUPA AVENUE AND MAGNOLIA AVENUE.  
 ELEV- 834.784

**SEWER LINE DATA**

	L	BEARING
(10)	473.10	N89°56'29"E
(11)	529.57	S89°58'42"E
(12)	41.95'	N48°46'7"E

**ENGINEER IN RESPONSIBLE CHARGE**  
 LONNY LEW YOUNG  
 R.C.E. No. 43216, expires 03-21-2010  
 DATE 03/15/2008

**CITY OF RIVERSIDE, CALIFORNIA**  
 PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]  
 BY DATE: 5/15/08  
 PRINCIPAL ENGINEER: [Signature]  
 INSPECTION: [Signature]  
 SURVEYS: [Signature]  
 ENGINEERING MANAGER: [Signature]

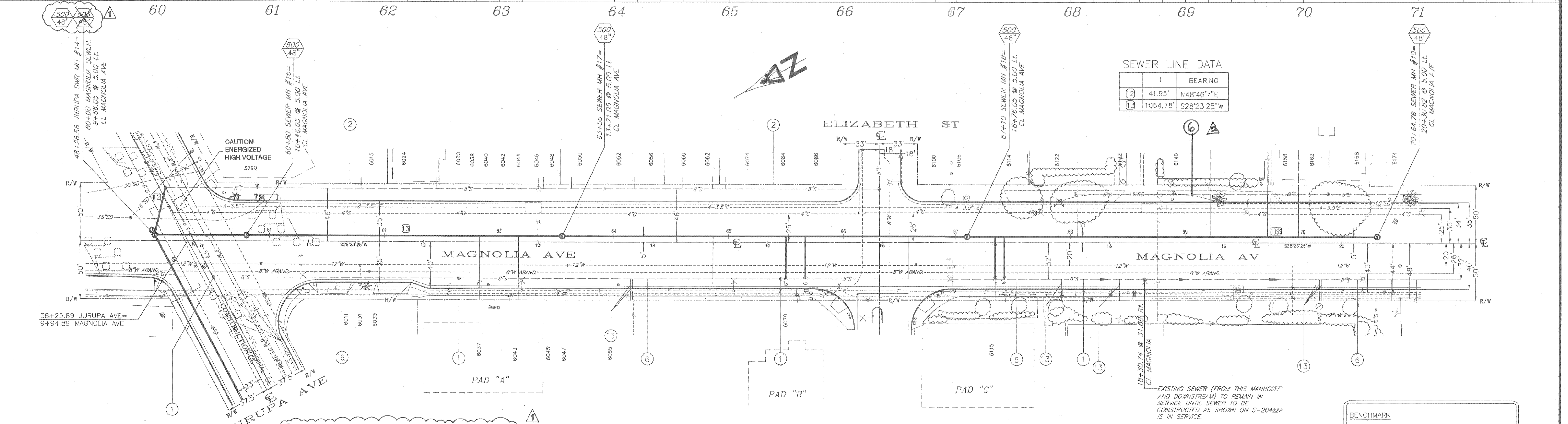
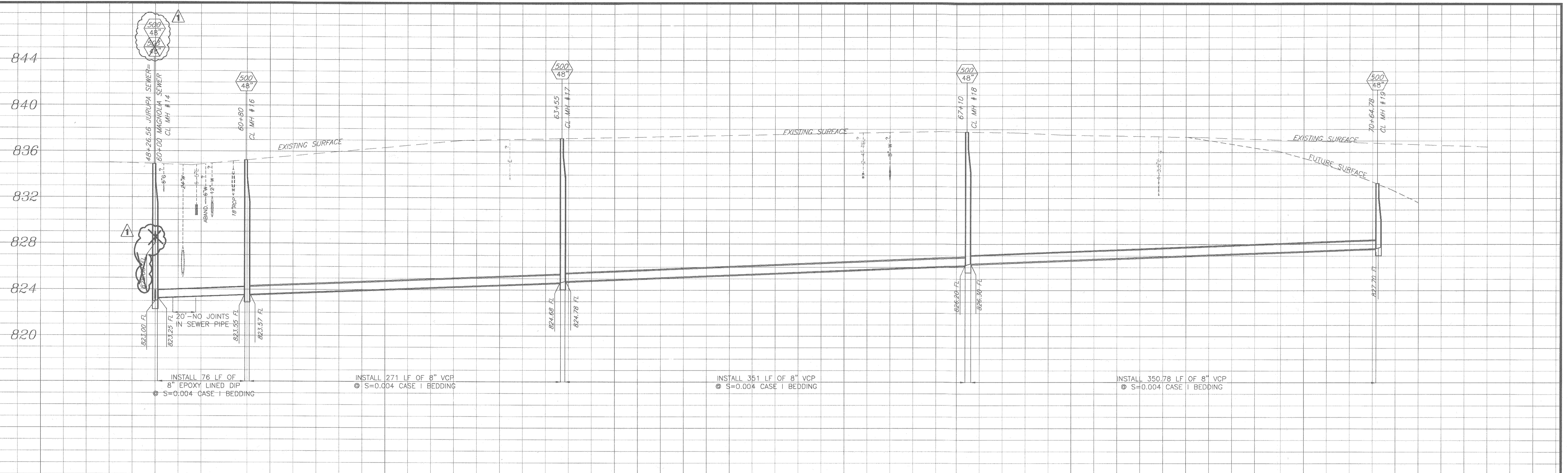
DESIGNED BY: MLAMPING, DRAWN BY: MLAMPING, CHECKED BY:

**MAGNOLIA UNDERPASS SEWER RELOCATION**  
**JURUPA SEWER**  
 FROM PALM AVENUE TO MAGNOLIA AVENUE

ACC. No. 9589723203-440301XX  
 W.O. 0811725

S-2042

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'  
 SHEET 5 OF 8



SEWER LINE DATA

	L	BEARING
12	41.95'	N48°46'7\"/>
13	1064.78'	S28°23'25\"/>

- SPECIFIC CONSTRUCTION NOTES**
- 1 ABANDON EXISTING SEWER MANHOLE IN PLACE
  - 2 EXISTING SEWER TO REMAIN IN SERVICE.
  - 6 ABANDON EXISTING 8" MAIN AND CONNECT ENCOUNTERED EXISTING LATERALS TO PROPOSED 12" OR 8" MAIN AT THE MOST DIRECT LOCATION PER CITY STANDARD 554 OR 552
  - 12 INSTALL 12" OR 8" EPOXY LINED DIP WITH MECHANICAL RESTRAINED JOINTS.
  - 13 ABANDON EXISTING SERVICE LATERALS IN PLACE.

**IMPORTANT NOTICE**  
 Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "permit to excavate" will be valid. For your Dig Alert ID Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600  
 DATE 05/15/2008

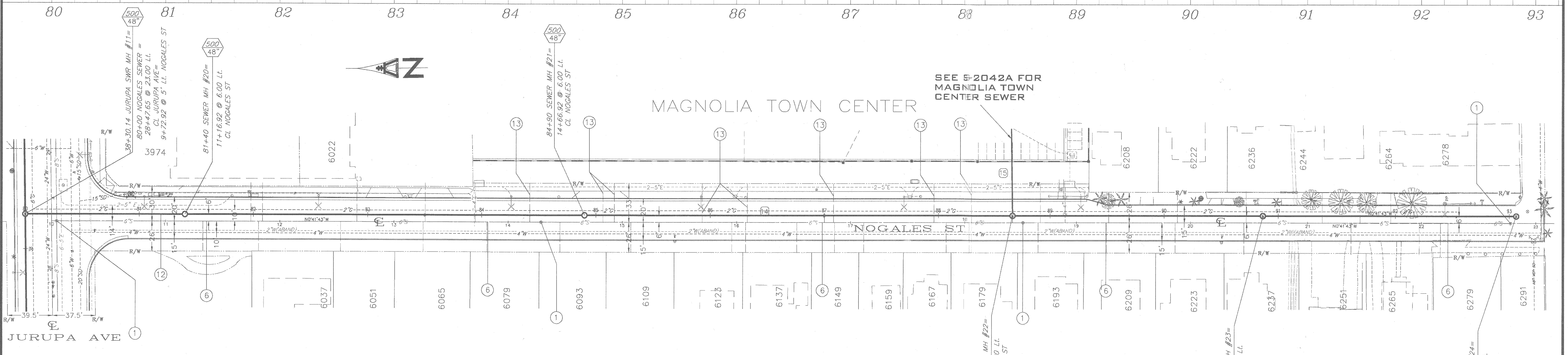
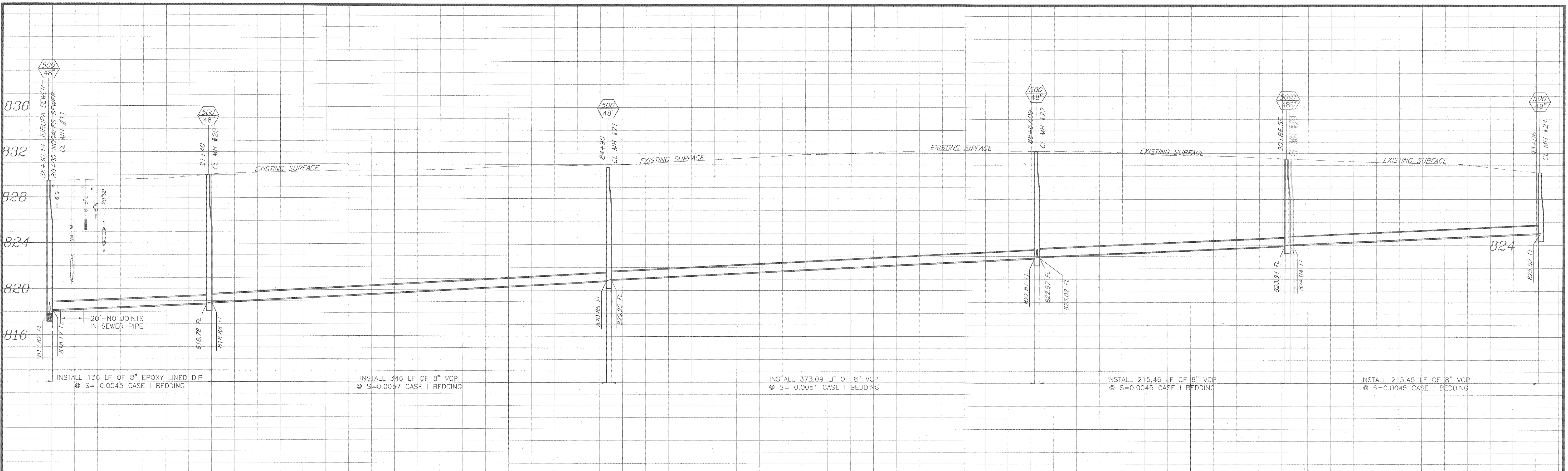
**ENGINEER IN RESPONSIBLE CHARGE**  
 LONNY LEW YOUNG  
 R.C.A. No. 43216 expires 03-21-2010  
 DATE 05/15/2008

**ADDED NOTE 6**  
 1/1 REPLACE STD. 503 WITH 500 & GRADE CHANGE.

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: [Signature]  
 DATE: 5/15/08

MAGNOLIA UNDERPASS SEWER RELOCATION  
 JURUPA SEWER FROM PALM AVENUE TO MAGNOLIA AVENUE  
 ACC. No. 9589723203-440301XX W.O. 0811725  
 S-2042  
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'  
 SHEET 6 OF 8

**BENCHMARK**  
 H6-B2- BRASS DISK STAMPED "H6-B" IN A MONUMENT WELL AT THE INTERSECTION OF JURUPA AVENUE AND MAGNOLIA AVENUE.  
 ELEV= 834.784



SEE S-2042A FOR  
MAGNOLIA TOWN  
CENTER SEWER

SEWER LINE DATA

	L	BEARING
14	1305.98'	N0°41'43"E
15	188.10'	E

**SPECIFIC CONSTRUCTION NOTES**

- 1 ABANDON EXISTING SEWER MANHOLE IN PLACE
- 6 ABANDON EXISTING 8" MAIN AND CONNECT ENCOUNTERED EXISTING LATERALS TO PROPOSED 12" OR 8" MAIN AT THE MOST DIRECT LOCATION PER CITY STANDARD 554 OR 562
- 12 INSTALL 12" OR 8" EPOXY LINED DIP WITH MECHANICAL RESTRAINED JOINTS.
- 13 ABANDON EXISTING SERVICE LATERALS IN PLACE.

**BENCHMARK**  
H6-B2- BRASS DISK STAMPED "H6-B" IN A MONUMENT WELL AT THE INTERSECTION OF JURUPA AVENUE AND MAGNOLIA AVENUE.  
ELEV- 834.784

**IMPORTANT NOTICE**  
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**ENGINEER IN RESPONSIBLE CHARGE**  
LARRY LEW YOUNG  
R.C.E. No. 43210 expires 03-21-2010  
DATE 04/16/2008



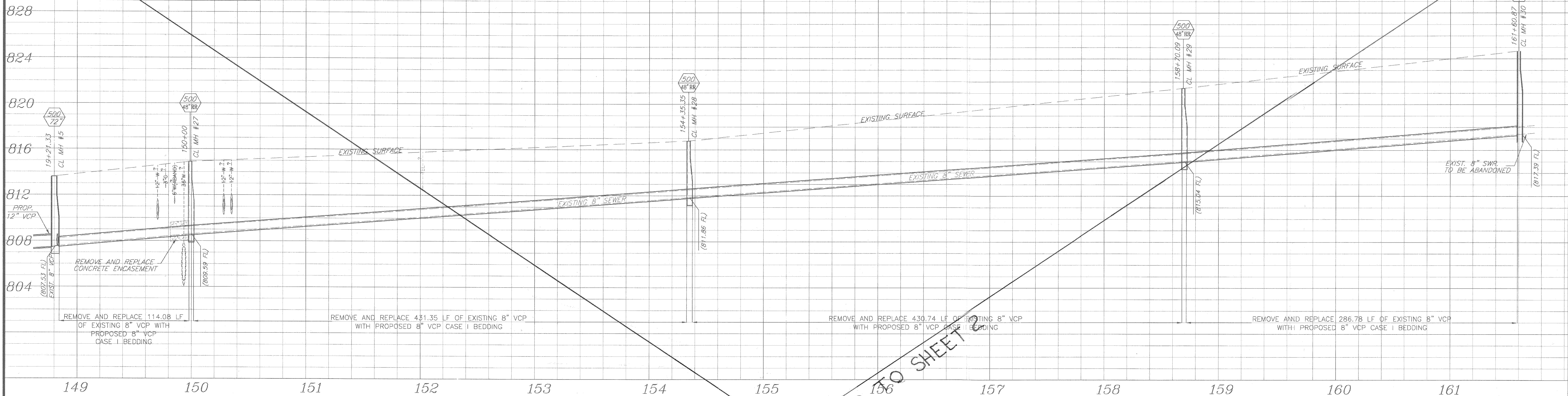
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
APPROVED BY: [Signature]  
PRINCIPAL ENGINEER: [Signature]  
INSPECTOR: [Signature]  
SURVEYOR: [Signature]  
ENGINEERING MANAGER: [Signature]  
DATE: 4/24/08

MAGNOLIA UNDERPASS SEWER RELOCATION  
JURUPA SEWER FROM PALM AVENUE TO MAGNOLIA AVENUE  
S-2042

ACC. No. 958972303-4403014X  
W.O. 0811725  
SHEET 7 OF 8

**IMPORTANT NOTICE**  
 Section 4216.4217 of the Government Code requires a Dig Alert identification number to be placed before "Permit to Excavate" is issued. For your Dig Alert, number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600



149 150 151 152 153 154 155 156 157 158 159 160 161

NOTE: STREET STATIONING IS TO JURUPA AVE CONSTRUCTION CENTERLINE.

STREET CURVE DATA

Δ	4°30'44"
R	2500'
L	196.88'
T	98.49'

BENCHMARK  
 H6-B2- BRASS DISK STAMPED "H6-B" IN A MONUMENT WELL AT THE INTERSECTION OF JURUPA AVENUE AND MAGNOLIA AVENUE.  
 ELEV= 834.784

BEGIN 8" VCP SEWER REMOVE AND REPLACE 148+82.92 SEWER = 57+04.71 @ 6.86 LT. CL PALM AVE

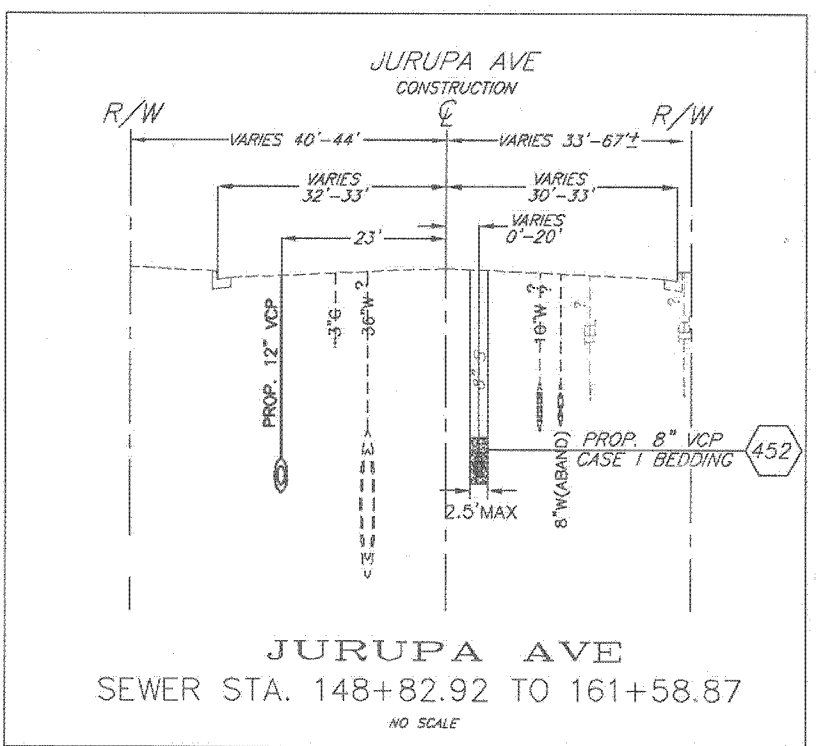
58+00 PALM AVE = 10+00 JURUPA AVE AT CONSTRUCTION CL

SEE SHEETS 2-4 FOR 12" VCP SEWER

SEE SHEETS 2-4 FOR 12" VCP SEWER

**SPECIFIC 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.
- ABANDON EXISTING 8" MAIN AND CONNECT ENCOUNTERED EXISTING LATERALS TO PROPOSED 12" OR 8" MAIN AT THE MOST DIRECT LOCATION PER CITY STANDARD 554 OR 562
- REMOVE EXISTING 8" VCP AND REPLACE IN PLACE WITH PROPOSED 8" VCP AND CONNECT ENCOUNTERED SERVICE LATERALS AT THE MOST DIRECT LOCATION.



ENGINEER IN RESPONSIBLE CHARGE  
 LARRY LEW YOUNG  
 R.C.E. No. 43216 Expires 03-31-2010  
 DATE 04/16/2008



DESIGNED BY: M.LAMPING DRAWN BY: M.LAMPING CHECKED BY: M.LAMPING

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: [Signature] DATE: 4/24/08  
 PRINCIPAL ENGINEER: [Signature]  
 INSPECTOR: [Signature]  
 SURVEYOR: [Signature]  
 ENGINEERING MANAGER: [Signature]

MAGNOLIA UNDERPASS SEWER RELOCATION  
 JURUPA SEWER FROM PALM AVENUE TO MAGNOLIA AVENUE  
 HORRIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACC. No. 9589723203-440301XX W.O. 0811225  
 S-2042  
 SHEET 8 OF 8