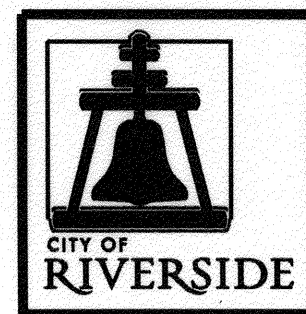


GENERAL NOTES:

- 1 EXISTING UTILITIES SHOWN ON THE PLAN ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN.
- 2 PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS "A", "C-34", OR A "C-42" LICENSE.
- 3 ALL ELEVATIONS SHOWN ON THE PLAN SHALL BE STAKED IN THE FIELD.
- 4 CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2009 EDITION.
- 5 TRENCHES SHALL EITHER BE BACKFILLED AND COMPACTED PER STD. DWG. 453 OR COVERED WITH TRAFFIC RATED STEEL PLATES AT THE END OF EACH WORK DAY AS SPECIFIED IN THE SPECIAL PROVISIONS.
- 6 WATER VALVES ENCOUNTERED DURING PIPELINE CONSTRUCTION OR DURING RESTORATION OF SURFACE IMPROVEMENTS SHALL BE PROTECTED IN PLACE, RESTORED TO PRECONSTRUCTION CONDITION AND/OR ADJUSTED TO GRADE.
- 7 PIPE JOINTS FOR PROPOSED PIPES SHALL BE TYPE "G", PER SECTION 208-2.3 OF THE STANDARD SPECIFICATIONS. PIPE JOINTS FOR JOINING EXISTING VCP TO PROPOSED VCP SHALL BE TYPE "Z", PER SECTION 208-5 OF THE STANDARD SPECIFICATIONS.
- 8 CONTRACTOR SHALL PERFORM A PRECONSTRUCTION VIDEO OF THE SEWER MAIN LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VIDEOING ALL SEWER LATERALS FROM THE MAINLINE TO PROPERTY LINE ON SINGLE FAMILY RESIDENCES (SFR).
- 9 SERVICE LATERALS REPAIR SHALL BE PERFORMED AFTER CCTV INSPECTION REPORT HAS BEEN REVIEWED AND APPROVED BY THE ENGINEER.
- 10 REPLACE STRIPPING REMOVED OR DAMAGED BY CONSTRUCTION ACTIVITIES.
- 11 LANDSCAPE AREAS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.
- 12 EXISTING SPRINKLERS AND IRRIGATION LINES, AFFECTED BY THE CONSTRUCTION OF THE PROPOSED SEWER LATERALS, SHALL BE MODIFIED TO COVER EXISTING IRRIGATION AREA.
- 13 CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY IRRIGATION OF EXISTING PLANTINGS DURING CONSTRUCTION OPERATIONS AND RECONSTRUCTION OF THE EXISTING IRRIGATION SYSTEMS.
- 14 CONTRACTOR SHALL ACQUIRE AND INSTALL NEW SPRINKLER MATERIALS AS REQUIRED TO COMPLETE SYSTEMS MODIFICATIONS.
- 15 CONTRACTOR SHALL PROTECT MATURE TREES, PALMS, AND SHRUBS. SHOULD IT BECOME NECESSARY TO REMOVE ANY MATURE TREE, PALM, OR SHRUB, THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE ENGINEER AND THE CITY'S URBAN FORESTER.

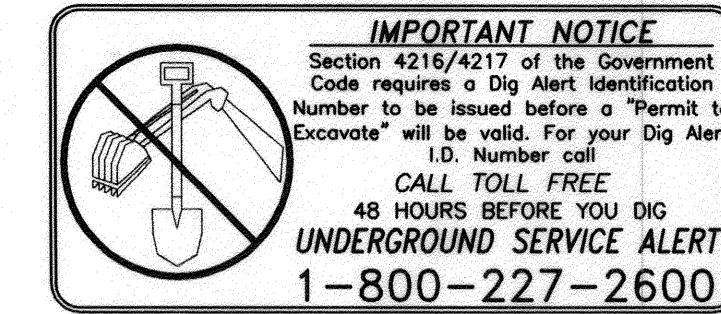
NOTE: LATERAL LOCATIONS ARE BASED ON SEWER CONNECTION PERMIT RECORDS AND MIGHT NOT BE WHERE INDICATED ON PLAN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THEM IN THE FIELD.

RIVERSIDE



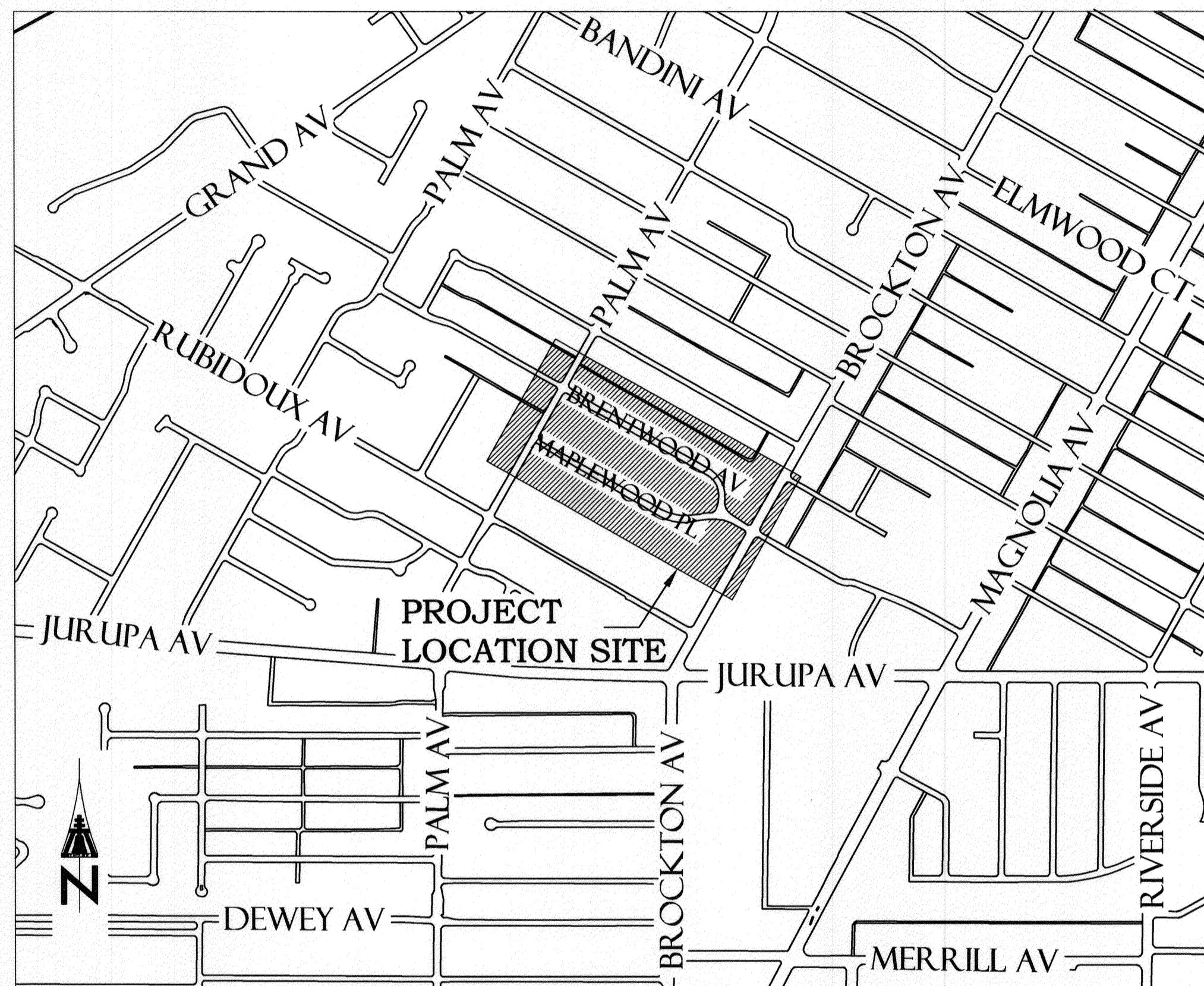
CALIFORNIA

**PUBLIC WORKS DEPARTMENT
MAPLEWOOD PL AND BRENTWOOD AVE
SEWER REPLACEMENT
FROM PALM AVE TO BROCKTON AVE**



SPECIFIC CONSTRUCTION NOTES:

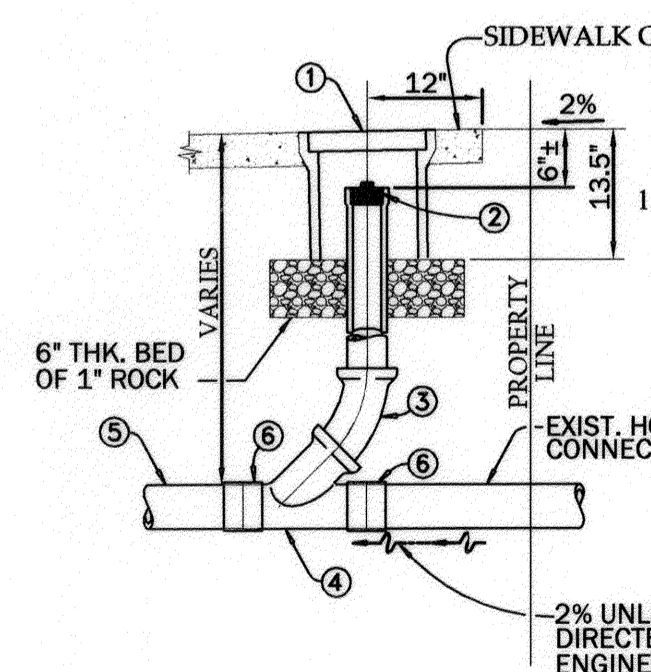
- NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY. UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- CO LOCATE LATERAL AND CONSTRUCT SEWER CLEANOUT PER DETAIL ON SHEET 1
- 1 ABANDON EXISTING SEWER PIPE AND MANHOLES IN PLACE
- 2 EXISTING SEWER TO REMAIN IN SERVICE
- 3 REMOVE INTERFERING PORTIONS OF EXISTING SEWER PIPE AND/OR MANHOLE.
- 4 REMOVE AND REPLACE EXISTING SERVICE LATERALS TO THE PROPERTY LINE AND CONNECT THEM TO PROPOSED 8" VCP PER STANDARD DRAWING 562.
- 5 RECHANNEL BASE OF EXISTING SEWER MANHOLE TO ACCOMMODATE PROPOSED OR REVISED FLOWS PER STD. DWG. 500.
- 6 CONTRACTOR SHALL REMOVE AND REPLACE IN KIND EXISTING SPEED HUMP. SPEED HUMP DETAILS PER SPECIAL PROVISIONS.



PROJECT LOCATION MAP

SEWER SHEET INDEX:

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	MAPLEWOOD PLACE STA 10+00 TO STA 19+90.58
3	BRENTWOOD AVENUE STA 35+00 TO STA 44+20
4	BRENTWOOD AVENUE STA 44+20 TO STA 47+14.36



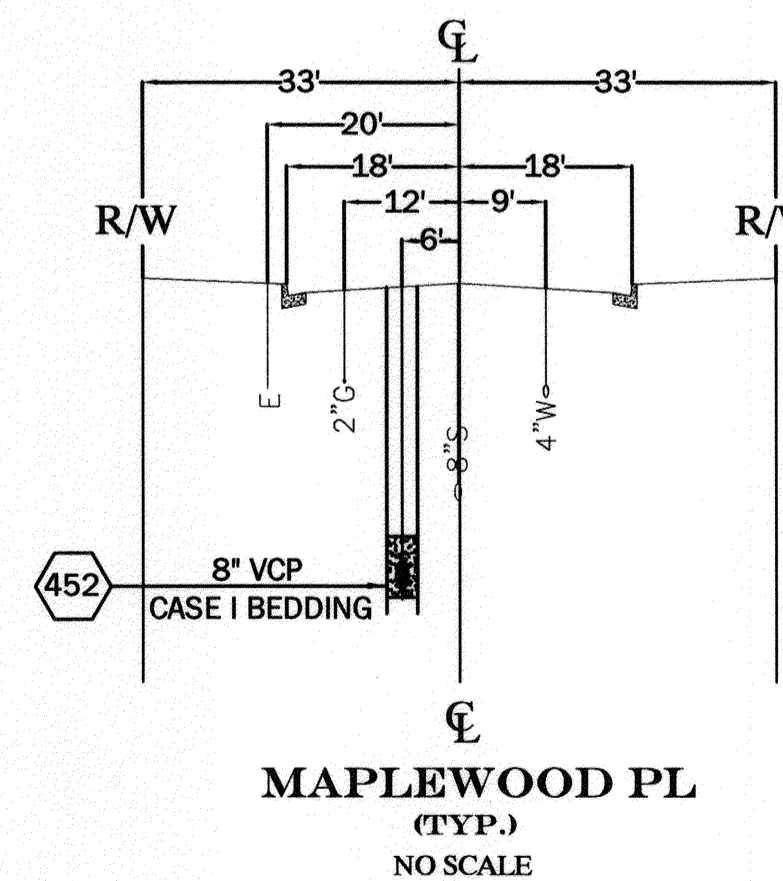
CLEANOUT DETAIL
NO SCALE

MATERIALS

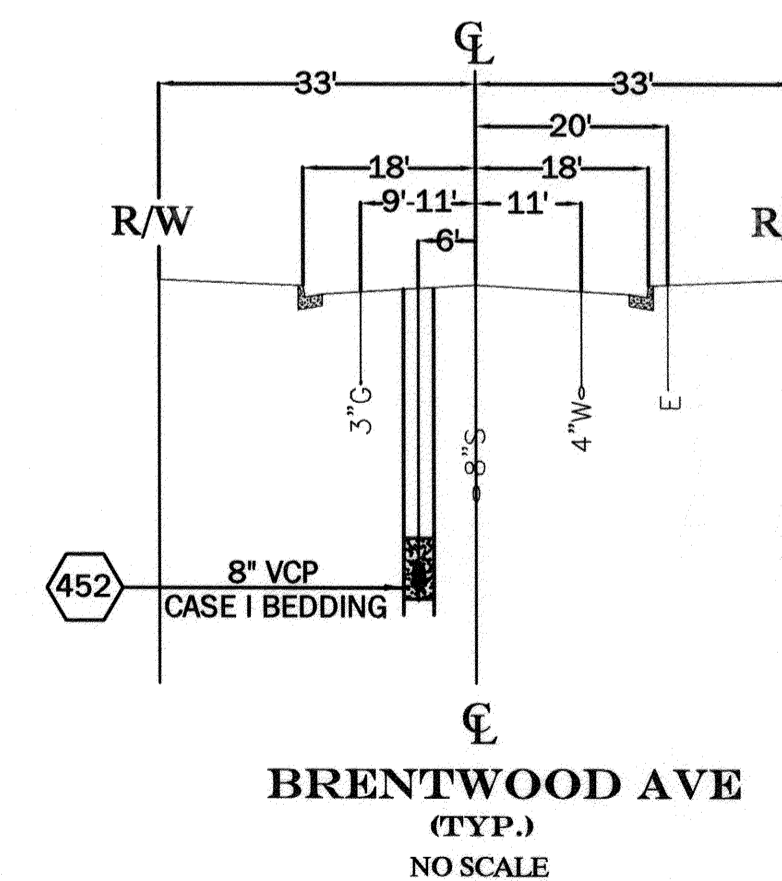
- 1 BROOKS NO. 9-T VALVE BOX OR EQUAL. (MARKED SEWER)
- 2 MECHANICAL STOPPER ST-SERIES BY MISSION RUBBER COMPANY OR CITY APPROVED EQUAL.
- 3 MINIMUM 4" SEWER PIPE.
- 4 WYE PER UNIFORM BUILDING CODE.
- 5 EXIST. VCP SEWER LATERAL.
- 6 JOINT TO CONNECT EXIST. VCP TO PROP. VCP SHALL BE TYPE "Z" JOINTS. JOINTS TO CONNECT PROP. VCP TO PROP. VCP SHALL BE TYPE "G".

NOTES:

1. LID MUST BE CAST IRON AND MARKED SEWER.
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 IN THE RIGHT OF WAY LOCATION AND AS DIRECTED BY THE ENGINEER. WHERE C.O. IS TO BE PLACED IN A DIRT OR LANDSCAPE AREA, A 4-INCH THICK, 24"x24" PCC APRON SHALL BE CONSTRUCTED AROUND IT.



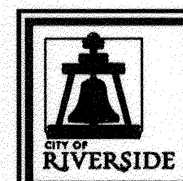
MAPLEWOOD PL
(TYP.)
NO SCALE



BRENTWOOD AVE
(TYP.)
NO SCALE

BENCHMARK

H6-H3
P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHERLY CURB OF BROCKTON AVENUE 60 FEET EASTERLY OF THE CENTERLINE INTERSECTION OF MAPLEWOOD PLACE AND BROCKTON AVENUE
ELEV- 822.95



ENGINEER IN RESPONSIBLE CHARGE

Lonny L. Young
R.C.E. No. 43216 expires 03-31-2012
DATE 01/25/2012



MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE	APPROVED BY
Engineering Manager	[Signature]	01/25/12	City Engineer
Principal Engineer	[Signature]	01/25/12	[Signature]
Construction Admin	[Signature]	01/25/12	[Signature]
Survey	[Signature]	01/25/12	[Signature]

MAPLEWOOD PL AND BRENTWOOD AVE SEWER REPLACEMENT FROM PALM AVE TO BROCKTON AVE

SCALE: AS SHOWN

ACC. No. 982802303-440301X
W.O. 0902894

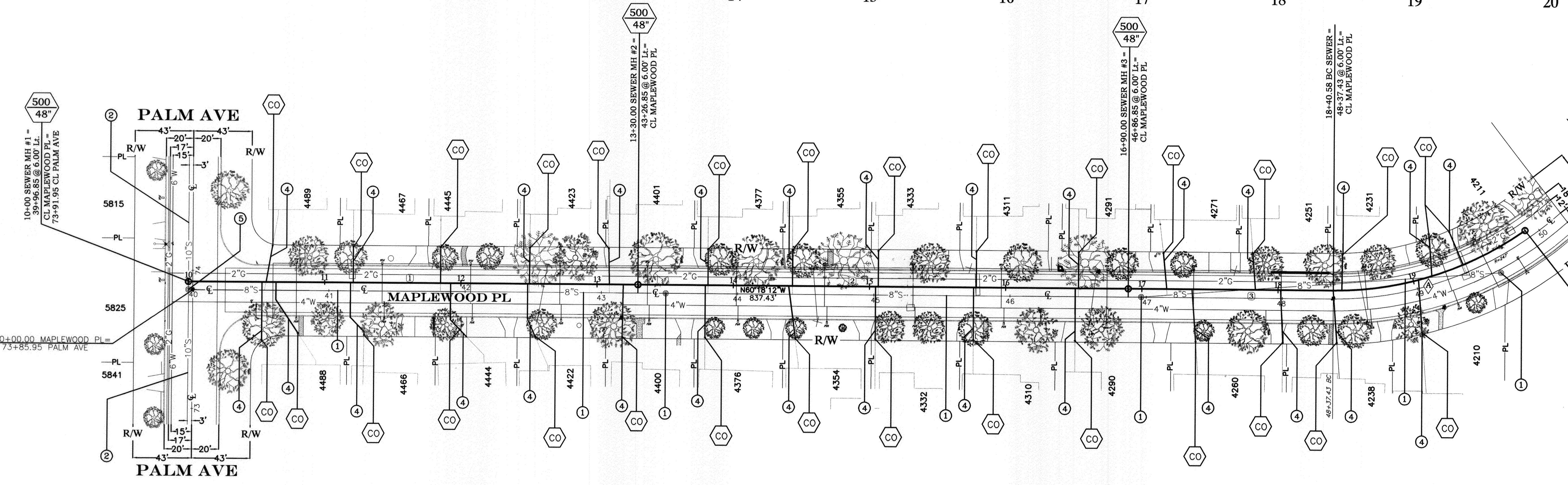
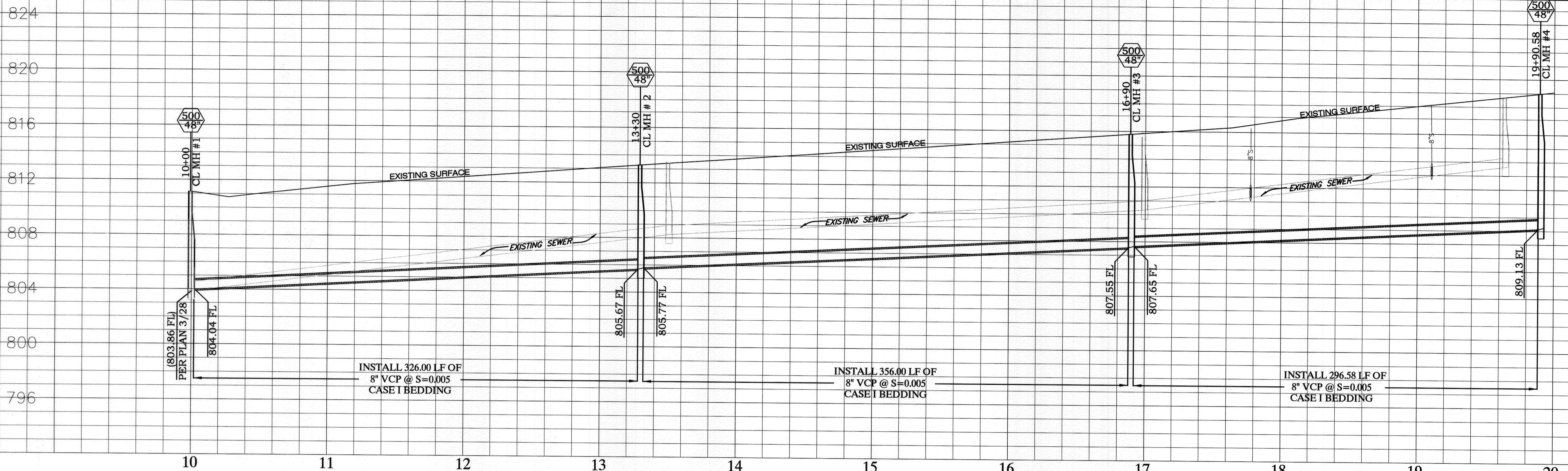
S-2080

SHEET 1 OF 4

AS-BUILT
02/14/12

1706x216
09-13-2016

IMPORTANT NOTICE
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SPECIFIC CONSTRUCTION NOTES

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- ⑥ RECHANNEL BASE OF EXISTING SEWER MANHOLE TO ACCOMMODATE PROPOSED OR REVISED FLOWS PER STD. DWG. 500.

SEWER LINE DATA

L	BEARING
① 330'	N 60°18'12" W
② 360'	N 60°18'12" W
③ 150.58'	N 60°18'12" W

SEWER CURVE DATA

Δ	R	L	T
35°39'41"	241.00'	150.00'	77.52'

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

BENCHMARK
 H6-H3
 P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHERLY CURB OF BROCKTON AVENUE 60 FEET EASTERLY OF THE CENTERLINE INTERSECTION OF MAPLEWOOD PLACE AND BROCKTON AVENUE
 ELEV- 822.95

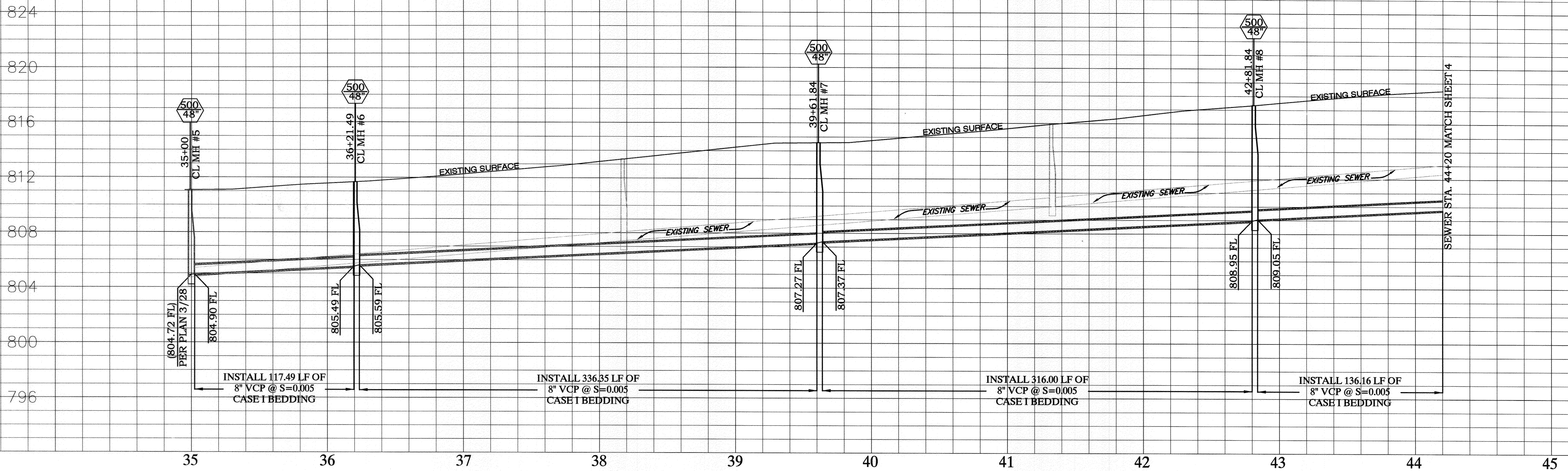
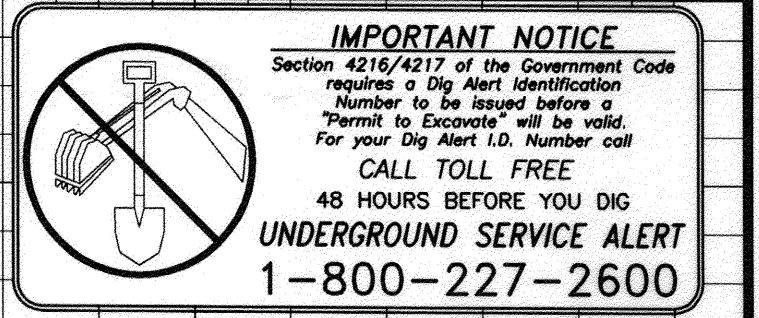
ENGINEER IN RESPONSIBLE CHARGE
 LONNY L. YOUNG
 R.C.E. No. 43216 expires 03-31-2012
 DATE 01/25/2012



CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature]
 ENGINEERING MANAGER
 BY: [Signature]
 DATE: 1/25/2012
 PRINCIPAL ENGINEER
 CONSTRUCTION ADMIN
 SURVEY

MAPLEWOOD PL AND BRENTWOOD AVE SEWER REPLACEMENT
 MAPLEWOOD PLACE
 STA 10+00 TO STA 19+00.58
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACC. No. 9828023203-440301XX
 W.O. 0902894
S-2080
 SHEET 2 OF 4

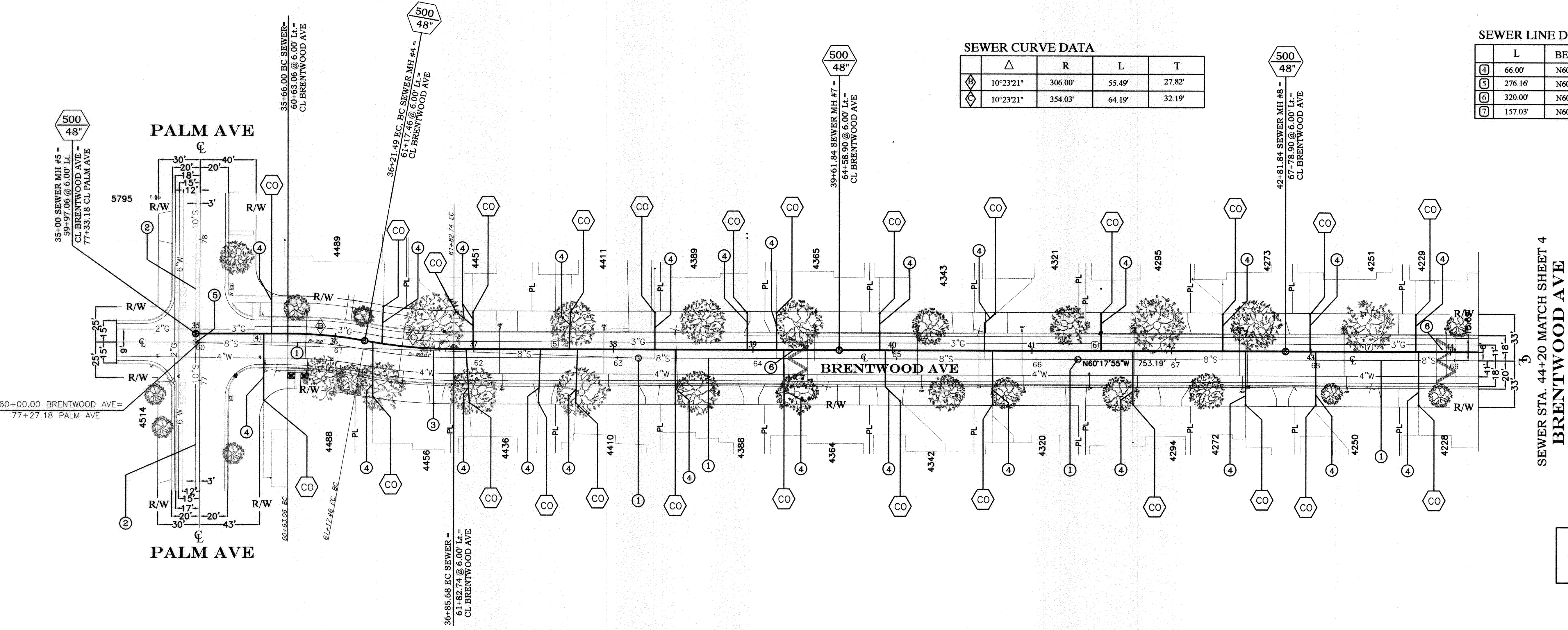


SEWER CURVE DATA

	Δ	R	L	T
①	10°23'21"	306.00'	55.49'	27.82'
②	10°23'21"	354.03'	64.19'	32.19'

SEWER LINE DATA

	L	BEARING
①	66.00'	N60°17'55"W
②	276.16'	N60°17'55"W
③	320.00'	N60°17'55"W
④	157.03'	N60°17'55"W



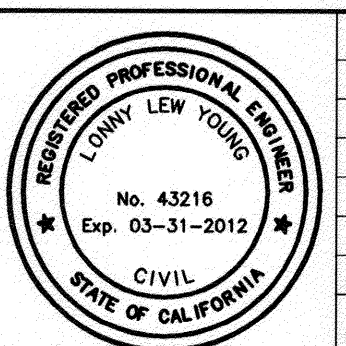
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ELEV- 822.95

ENGINEER IN RESPONSIBLE CHARGE
LONNY L. YOUNG
R.C.E. No. 43216 expires 03-31-2012
DATE 01/25/2012



MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]
ENGINEERING MANAGER

APPROVED BY: [Signature]
CONSTRUCTION ADMIN

DATE: 1/25/2012

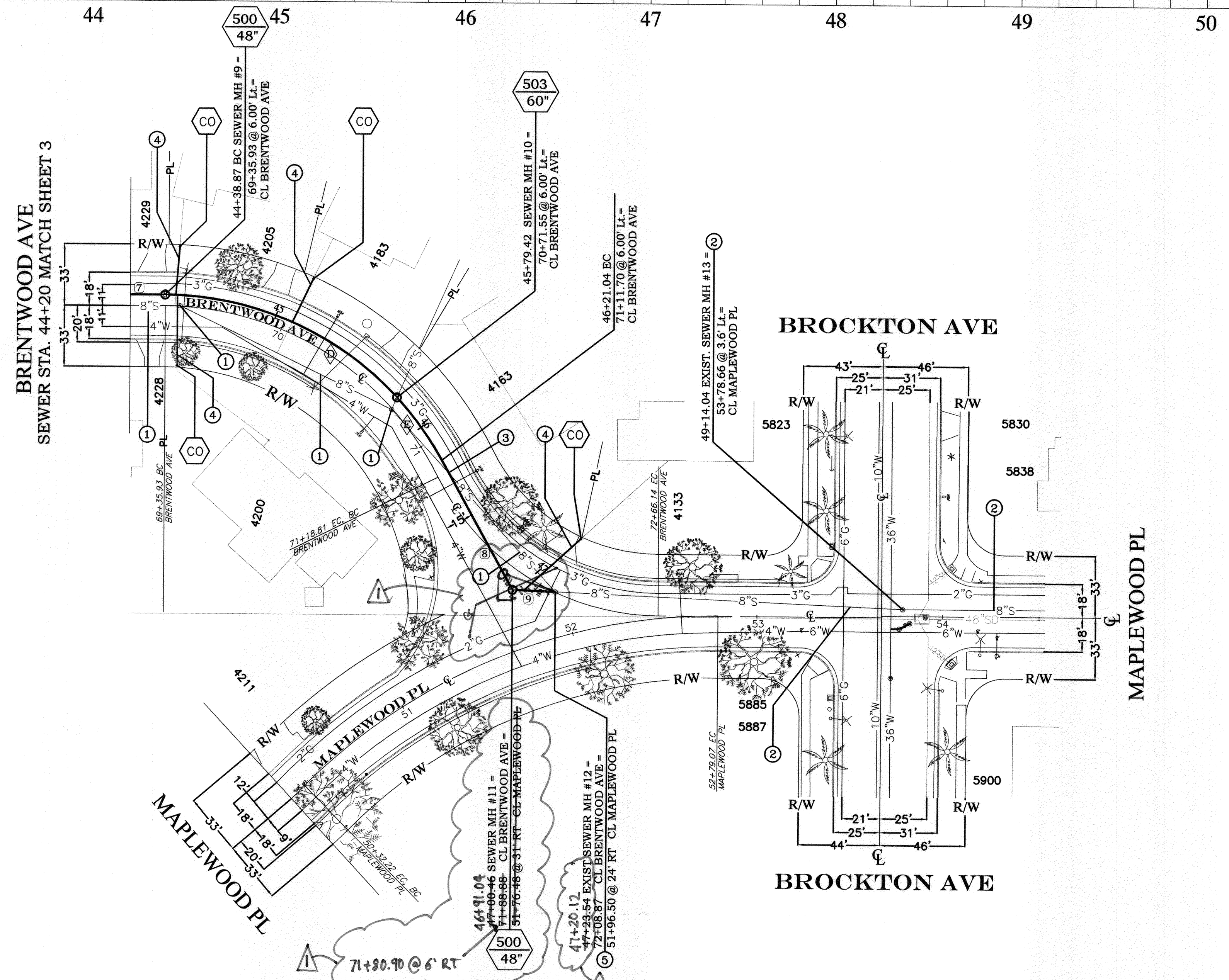
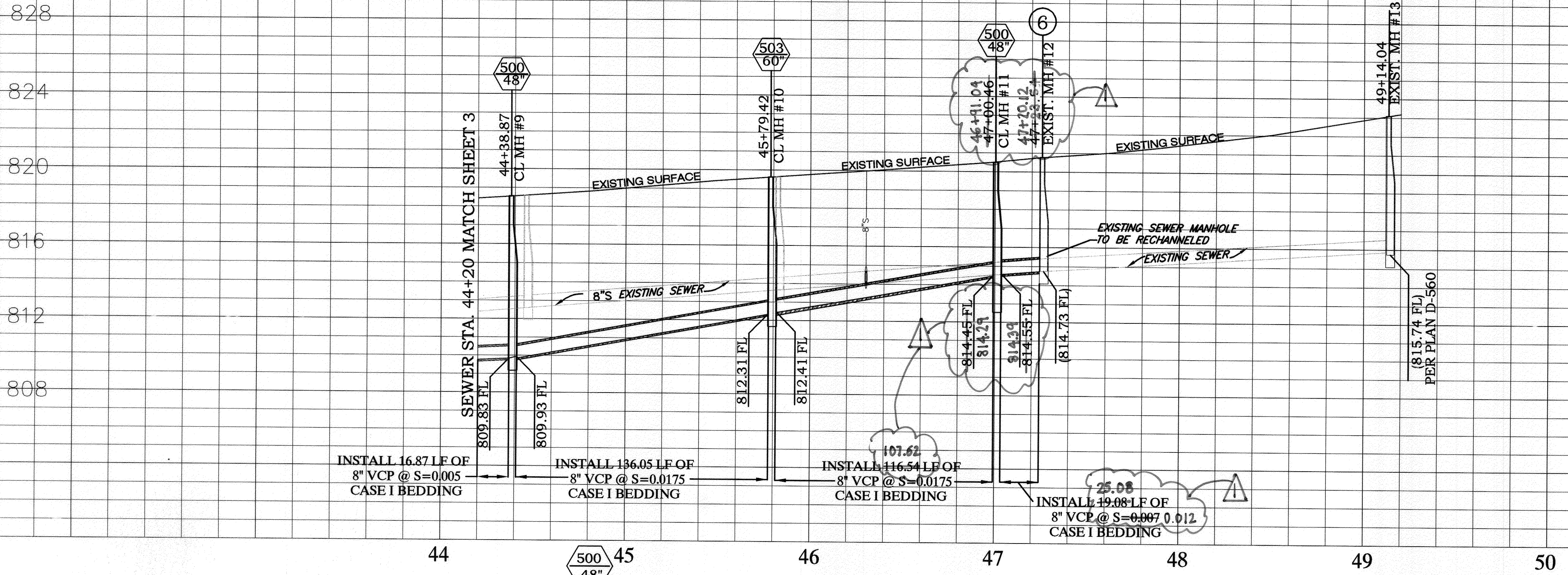
MAPLEWOOD PL AND BRENTWOOD AVE SEWER REPLACEMENT
BRENTWOOD AVENUE
STA 35+00 TO STA 44+20

ACC. No. 9828023203-4403010X
W.O. 0902894

S-2080

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
SHEET 3 OF 4

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SEWER LINE DATA

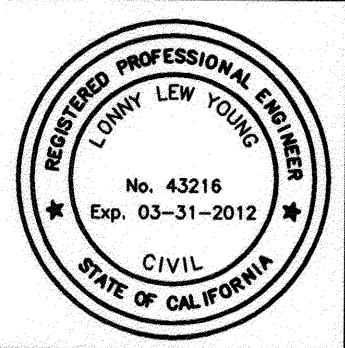
L	BEARING
79.42' 70'	N28°57'22"W
23.08'	N87°35'14"W
29.08'	N41°43'14"W

SEWER CURVE DATA

Δ	R	L	T
47°05'34"	171.00'	140.55'	74.52'
13°56'38"	171.00'	41.62'	20.91'

BENCHMARK
 H6-H3
 P.K. NAIL AND CITY ENGINEER TAG IN THE SOUTHERLY CURB OF BROCKTON AVENUE 60 FEET EASTERLY OF THE CENTERLINE INTERSECTION OF MAPLEWOOD PLACE AND BROCKTON AVENUE
 ELEV- 822.95

ENGINEER IN RESPONSIBLE CHARGE
 LONNY L. YOUNG
 R.C.E. No. 43216 expires 03-31-2012
 DATE 01/20/2012



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

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature]
 ENGINEERING MANAGER
 PRINCIPAL ENGINEER
 CONSTRUCTION ADMIN
 SURVEY
 DATE 1/25/2012

MAPLEWOOD PL AND BRENTWOOD AVE SEWER REPLACEMENT
 BRENTWOOD AVENUE
 STA 44+20 TO STA 4+14.36
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACC. No. 9828023203-440301XX
 W.O. 0902894
S-2080
 SHEET 4 OF 4