

GENERAL NOTES

- CONSTRUCTION SHALL BE IN ACCORDANCE WITH APWA "GREEN BOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES 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. POTHOLING OF EXISTING FACILITIES WAS NOT PERFORMED.
- 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.
- CONTRACTOR SHALL RELOCATE ALL TRAFFIC SIGNS, REMOVED DUE TO CONSTRUCTION, PER CITY STANDARDS.
- DRIVEWAY AND PEDESTRIAN ACCESS MUST BE MAINTAINED WHENEVER CONSTRUCTION IS NOT OCCURRING.
- VCP PIPE JOINTS SHALL BE TYPE "G" PER SECTION 208-2.3 OF THE APWA "GREEN BOOK" STANDARD SPECIFICATION.
- ALL INDICATED LOCATIONS OF TREES, PALMS AND SHRUBS ARE APPROXIMATE.

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.

EXAMPLE:

431 M STD. DWG. 431 MODIFIED PER DETAIL 1 AND 2 ON SHT. 5.

- ABANDON EXISTING SEWER MANHOLE(S) PER SPECIFICATIONS.
- EXISTING SEWER AND/OR MANHOLE TO REMAIN IN SERVICE.
- REMOVE AND RETAIN INTERFERING PORTION OF GUARD RAIL AND POSTS. REMOVE INTERFERING CURB AND GUTTER TO NEAREST JOINT. RESTORE CURB AND GUTTER AND REINSTALL GUARD RAIL AND POSTS AFTER CONSTRUCTION.
- ABANDON EXISTING SEWER MAIN IN PLACE PER SPECIFICATIONS.
- CONTRACTOR TO FIELD VERIFY LOCATION PRIOR TO CONSTRUCTION. PROTECT AND SUPPORT EXISTING UTILITY(S) IN PLACE.
- PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR TO FIELD VERIFY LOCATION OF WATER UTILITY AND PROTECT IN PLACE. IF RELOCATION IS REQUIRED CONTRACTOR IS TO NOTIFY THE ENGINEER. THE WATER UTILITY SHALL HAVE 30 CALENDAR DAYS TO RELOCATE THE INTERFERING FACILITIES.
- PURPOSELY LEFT BLANK.
- PLUG INLET FOR ABANDONED UPSTREAM PIPELINE.
- CUT AND DEMOLISH EXISTING SEWER MAIN WITHIN MANHOLE AND SEAL EXISTING OPENINGS PER SPECIFICATIONS.
- RECONNECT LATERALS TO NEW SEWER PIPELINE PER STD. DWG. 554 OR REPLACE EXISTING PER STD. DWG. 562 AND PER SPECIFICATIONS. CONTRACTOR TO FIELD VERIFY LATERAL LOCATION AND CONNECTION.
- DEMOLISH AND REMOVE EXISTING SEWER MAIN WITHIN MANHOLE AND SEAL EXISTING DOWNSTREAM OPENING PER SPECIFICATIONS.
- SIGNS REMOVED DURING CONSTRUCTION SHALL BE REINSTALLED OR REPLACED WITH A NEW SIGN PER CITY STANDARDS.
- RESHAPE BOTTOM FOR PROPOSED TEMPORARY 8" OUTLET. PLUG EXISTING OUTLET. ABANDON MANHOLE AFTER SYSTEM HAS BEEN ACCEPTED BY THE CITY ENGINEER.
- CUT AND DEMOLISH INTERFERING PORTION OF EXISTING SEWER MAIN. ABANDON UPSTREAM SEGMENT AND PLUG END OF REMAINING DOWNSTREAM PIPE.
- RESTORE AC BERM PER CITY STANDARDS.
- RESHAPE BOTTOM AND SEAL 8" UPSTREAM OPENING PER SPECIFICATIONS.
- DEMOLISH AND REMOVE INTERFERING PORTIONS OF ABANDONED WATERLINE WHERE NECESSARY.
- CONNECT TO STUB OUT FROM MANHOLE AND MAIN CONSTRUCTED BY OTHERS.
- CONTRACTOR TO FIELD VERIFY CONNECTIONS TO EXISTING SEWER MAINS.

BENCHMARK: No. J7-M2

P.K. NAIL AND CITY ENGINEER TAG IN THE WESTERLY WALL OF A CATCH BASIN 1' NORTH OF THE NORTHERLY CURB OF COLUMBIA AVENUE, 155 EASTERLY OF E. LA CADENA DRIVE. ELEV- 871.063

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 I.D. Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

RIVERSIDE CITY OF RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT

SEWER PIPELINE CAPACITY IMPROVEMENT PROJECT EAST LA CADENA DRIVE, SPRING GARDEN STREET AND COLUMBIA AVENUE TO CHICAGO AVE.

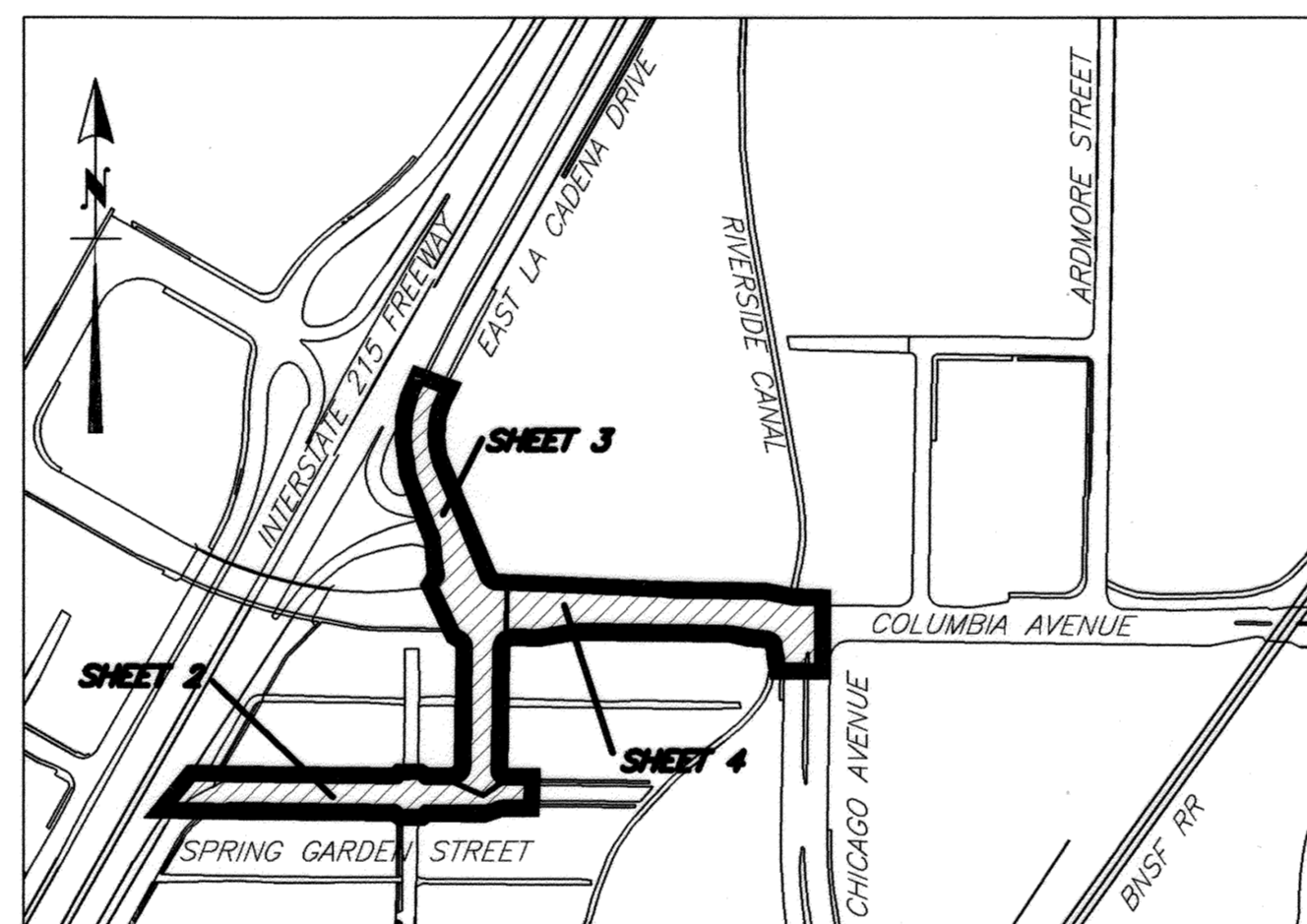


EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

EXISTING UNDERGROUND UTILITIES:

- SANITARY SEWER ----- 8" S -----
- WATER LINE ----- 12" W -----
- STORM DRAIN ----- 10" SD -----
- FIBER OPTIC ----- FO -----
- CALTRANS ROW -----
- TELEPHONE CONDUIT ----- T -----
- ELECTRICAL CONDUIT ----- E -----
- GAS LINE ----- 3" G -----
- OVERHEAD ELECTRICAL ----- OHE -----

- TRAFFIC SIGNAL BOX
- GAS MANHOLE
- TELEPHONE MANHOLE
- TRAFFIC SIGNAL
- TELEPHONE BOX
- POWER POLE
- MONUMENT
- STORM DRAIN INLET
- GUARD RAIL
- EDGE OF PAVEMENT
- PALMS
- STREET SIGN
- STORM DRAIN M.H.
- SEWER MH, PROPOSED
- SEWER MH, EXISTING
- STREET LIGHT
- WATER VALVE
- MISC MANHOLE
- PULL BOX
- FIRE HYDRANT
- CONTROL
- TREES AND SHRUBS

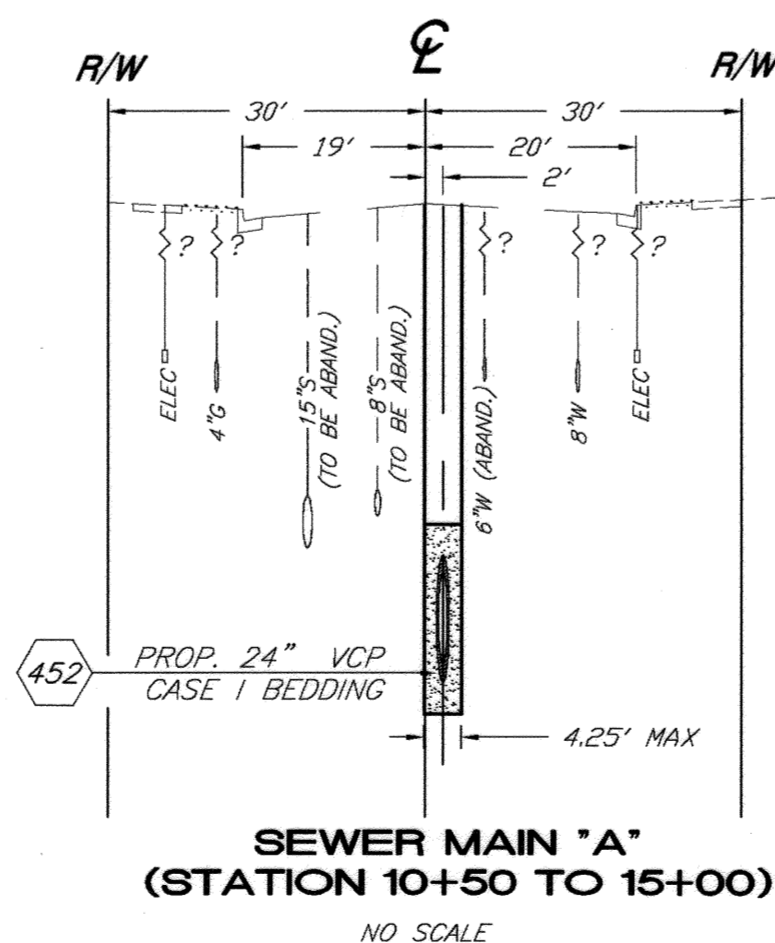


PROJECT LOCATION MAP
 NTS

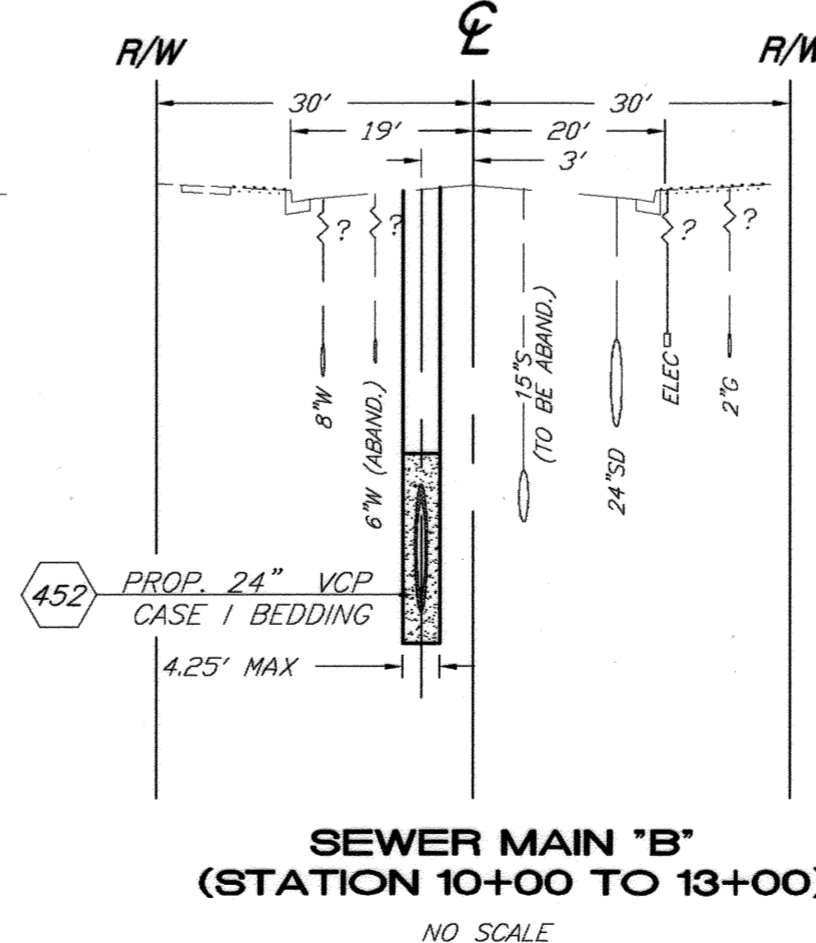
SHEET INDEX

SHT. NO:	SHT. TITLE
1	TITLE SHEET
2	SPRING GARDEN STREET - FROM STATION 10+00.00 TO STATION 15+38.89
3	EAST LA CADENA DRIVE - FROM STATION 10+00.00 TO STATION 17+66.54
4	COLUMBIA AVENUE - FROM STATION 10+00.00 TO STATION 15+79.06
5	DETAILS

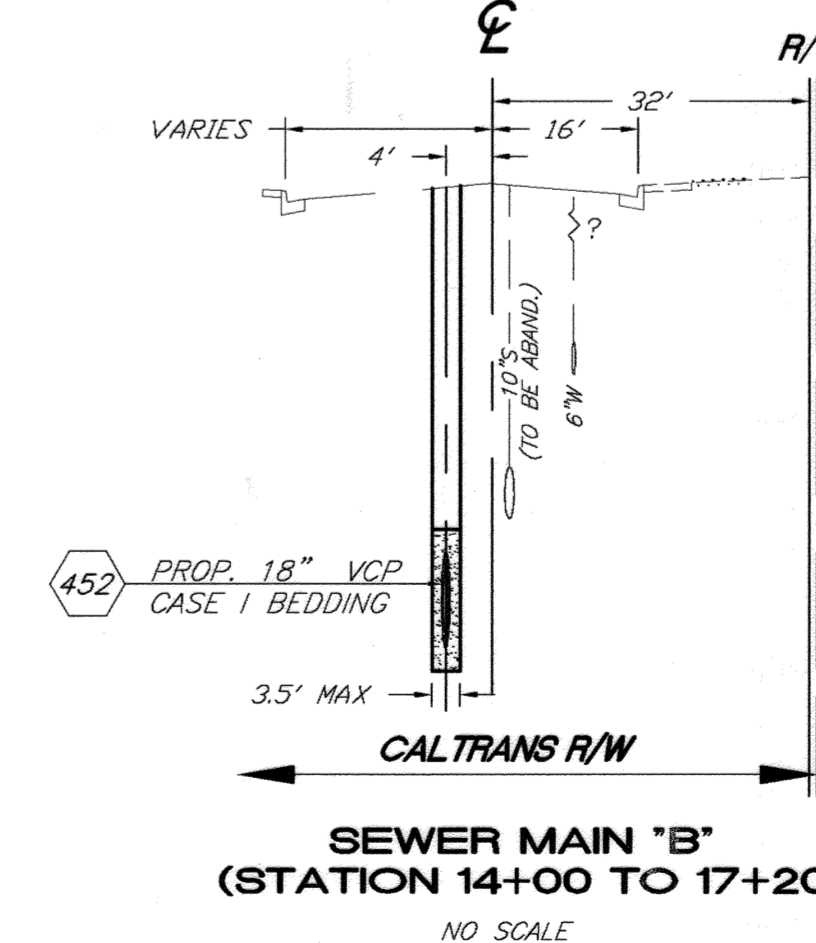
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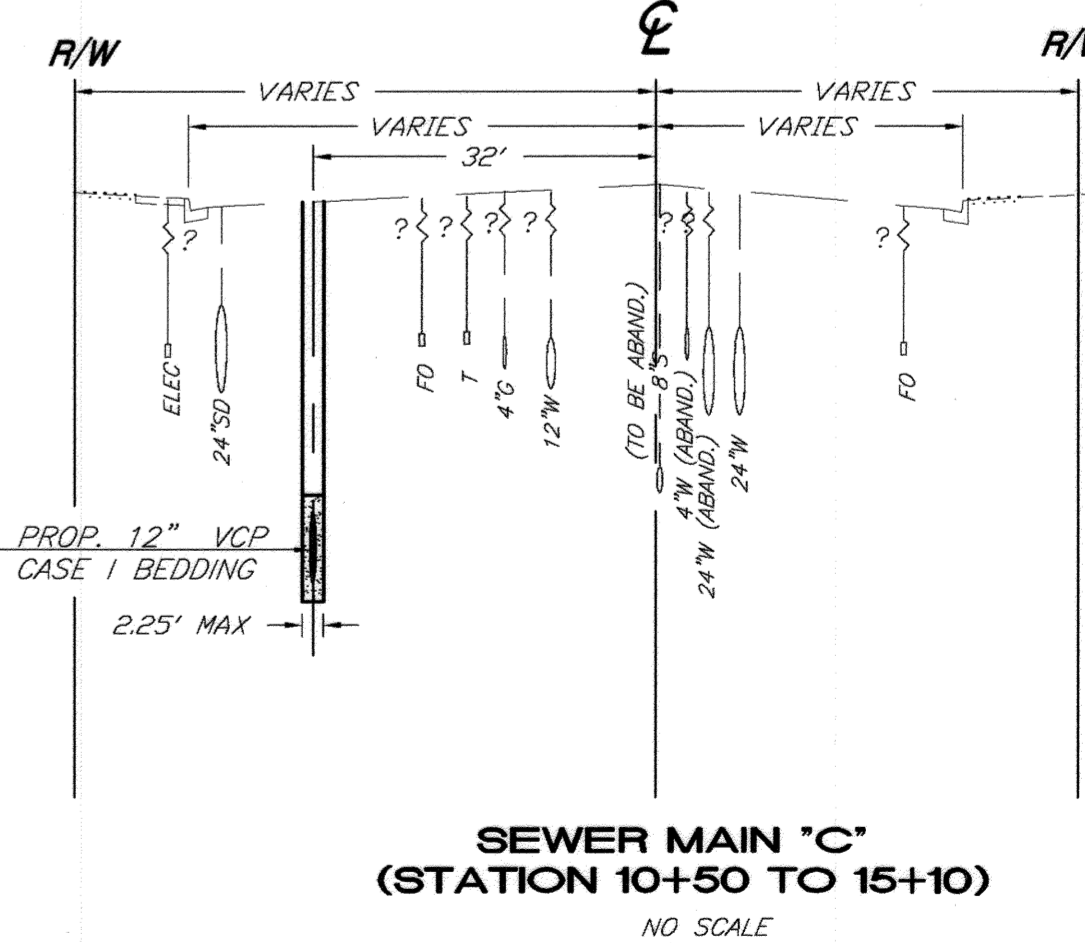
EAST LA CADENA DRIVE



EAST LA CADENA DRIVE



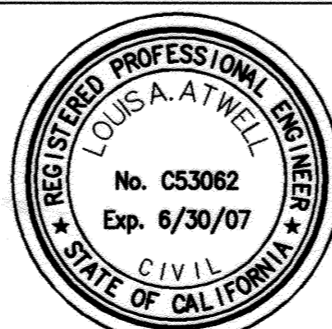
COLUMBIA AVENUE



PROPOSED SEWER TYPICAL SECTIONS

PLANS PREPARED BY:
ARROYO ENGINEERING SOLUTIONS, INC.
 1150 N. MOUNTAIN AVENUE, SUITE 214
 UPLAND, CA 91786
 TEL: (909) 579-0842 FAX (909) 579-0804

ENGINEER IN RESPONSIBLE CHARGE
LOUIS A. ATWELL
 R.C.E. No. CA3008 expires 6/30/07
 DATE 6/1/07



MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	[Signature]	6/1/07	CITY ENGINEER
INSPECTOR	[Signature]	6/1/07	
SURVEYOR	[Signature]	6/1/07	
REGISTERED WATER CON. MGR.	[Signature]	6/1/07	
COUNTY COMM. ADMIN.	[Signature]	6/1/07	

EAST LA CADENA DR., SPRING GARDEN ST., COLUMBIA AVE.
 SEWER PIPELINE CAPACITY IMPROVEMENT
 TITLE SHEET

SCALE: AS SHOWN

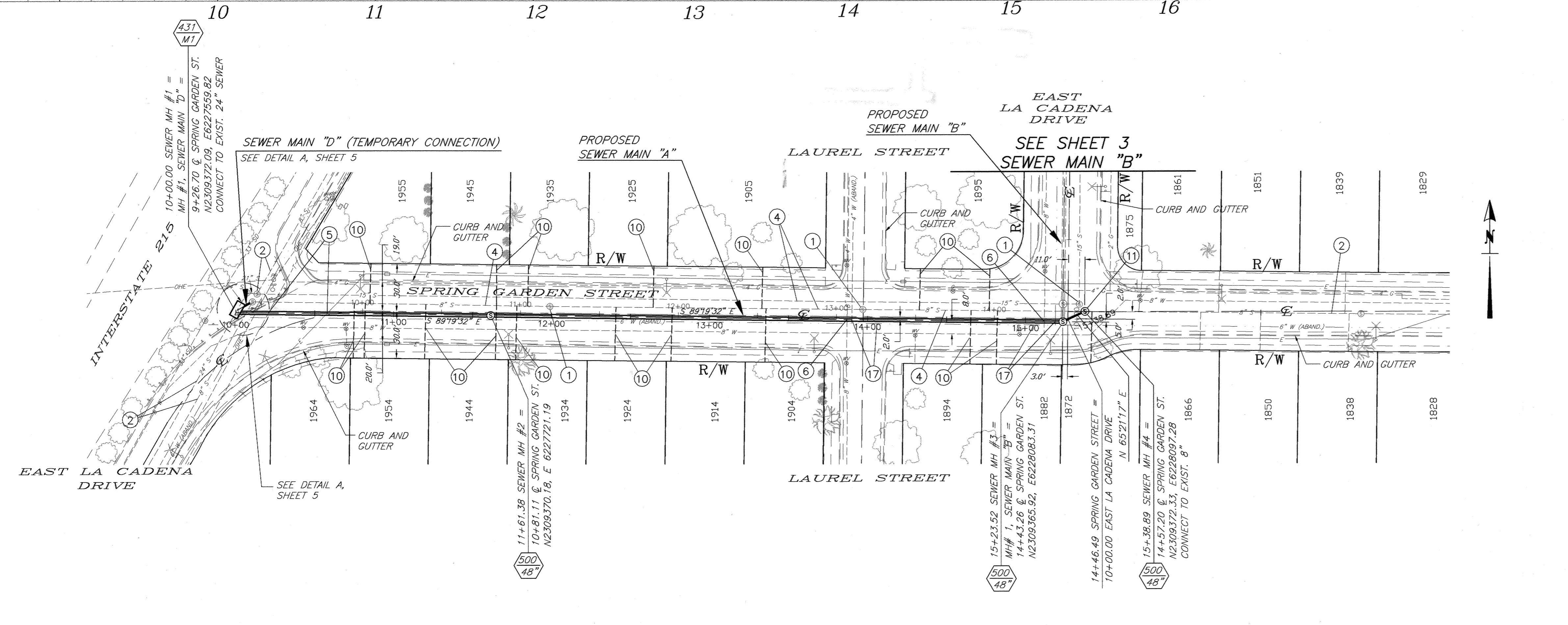
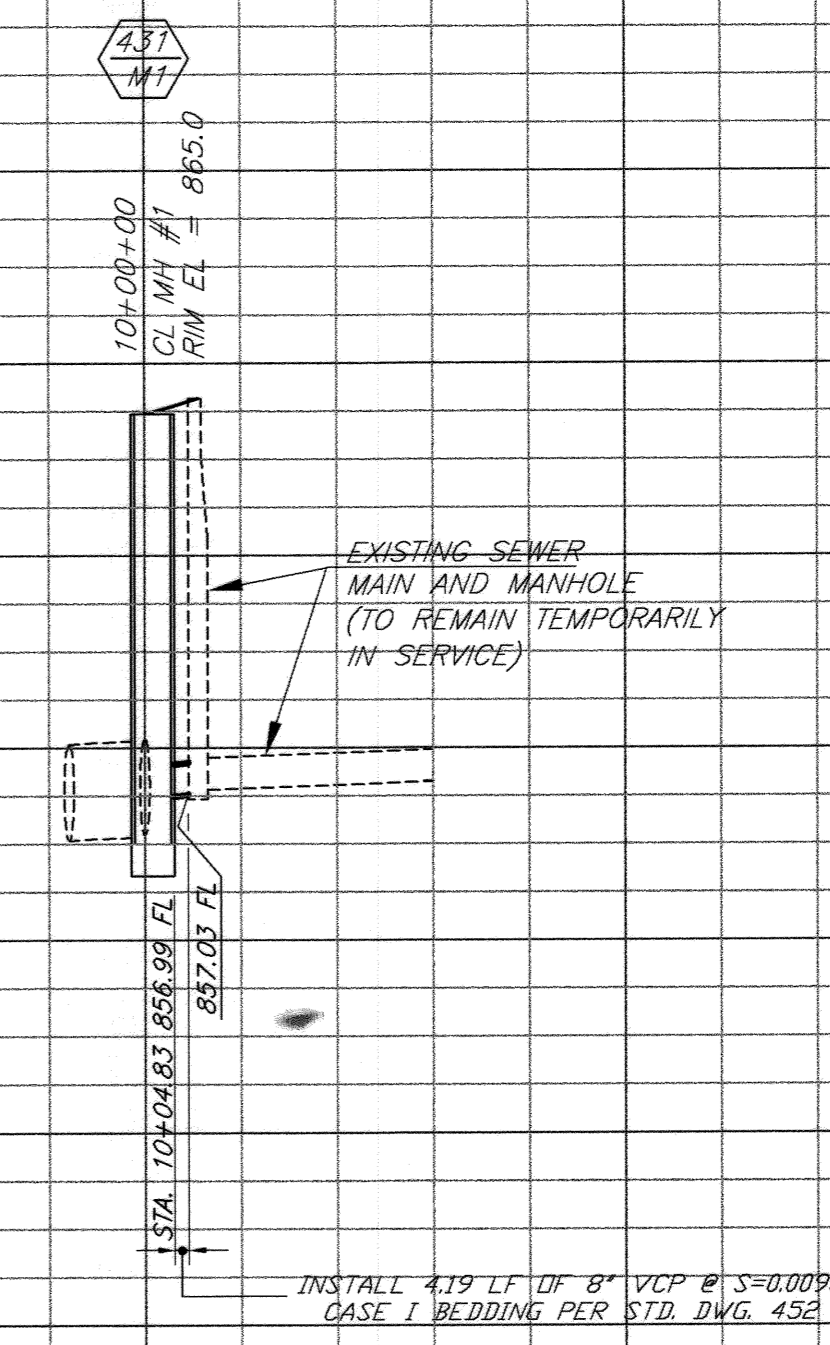
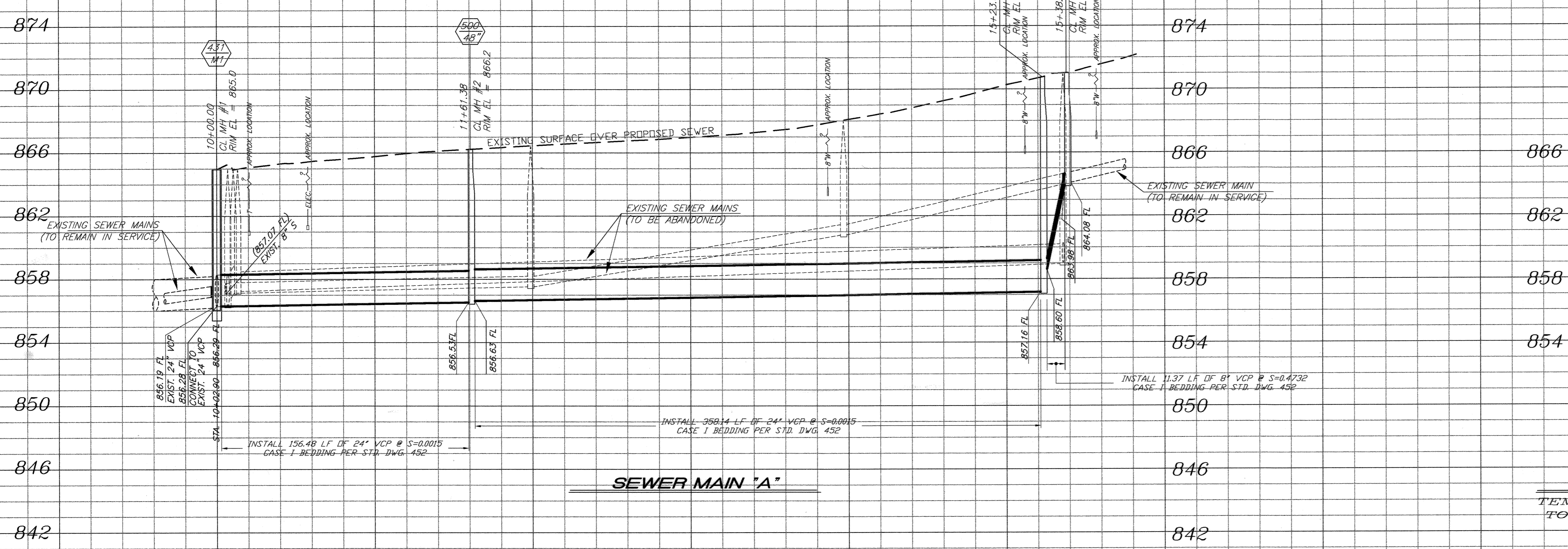
ACC. No. 9785823023-440301MM
 W.D. 0808412

S-1987

SHEET 1 OF 5

INDEXED 9-12-07 LPH

IMPORTANT NOTICE
 Section 4126/4217 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



THE BASIS OF BEARING OF THIS DRAWING IS N89°09'25"W, CENTERLINE OF COLUMBIA AVENUE, AS SHOWN ON PARCEL MAP NO. 21696, COUNTY OF RIVERSIDE P.M.B. 140/94.

BENCHMARK: No. J7-M2

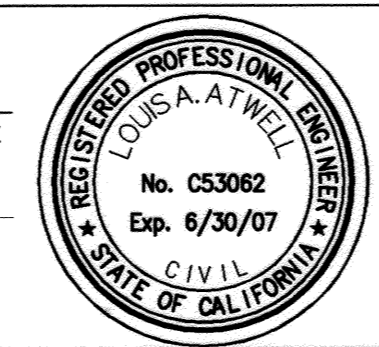
P.K. NAIL AND CITY ENGINEER TAG IN THE WESTERLY WALL OF A CATCH BASIN 1' NORTH OF THE NORTHERLY CURB OF COLUMBIA AVENUE, 155 EASTERLY OF E. LA CADENA DRIVE.

ELEV= 871.063

- SPECIFIC CONSTRUCTION NOTES**
- ABANDON EXISTING SEWER MANHOLE(S) PER SPECIFICATIONS.
 - EXISTING SEWER AND/OR MANHOLE TO REMAIN IN SERVICE.
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PLANS PREPARED BY:
ARROYO ENGINEERING SOLUTIONS, INC.
 1150 N. MOUNTAIN AVENUE, SUITE 214
 UPLAND, CA 91786
 TEL: (909) 579-0842 FAX: (909) 579-0804

ENGINEER IN RESPONSIBLE CHARGE
LOUIS A. ATWELL
 R.C.E. No. CS-3102 expires 6/30/07
 DATE: 6/14/07



CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT			
APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	[Signature]	6/14/07	[Signature]
INSPECTOR	[Signature]	6/14/07	CITY ENGINEER
SURVEYOR	[Signature]	6/14/07	
POSTED WATER OPS. WORK	[Signature]	6/14/07	
CONST. LEAD ENGINEER	[Signature]	6/14/07	

EAST LA CADENA DR., SPRING GARDEN ST., COLUMBIA AV.
 SEWER PIPELINE CAPACITY IMPROVEMENT
 SPRING GARDEN STREET
 FROM STATION 10+00.00 TO STATION 15+38.89

ACC. No. 9785823023-440301XX
 W.O. 0608412

S-1987

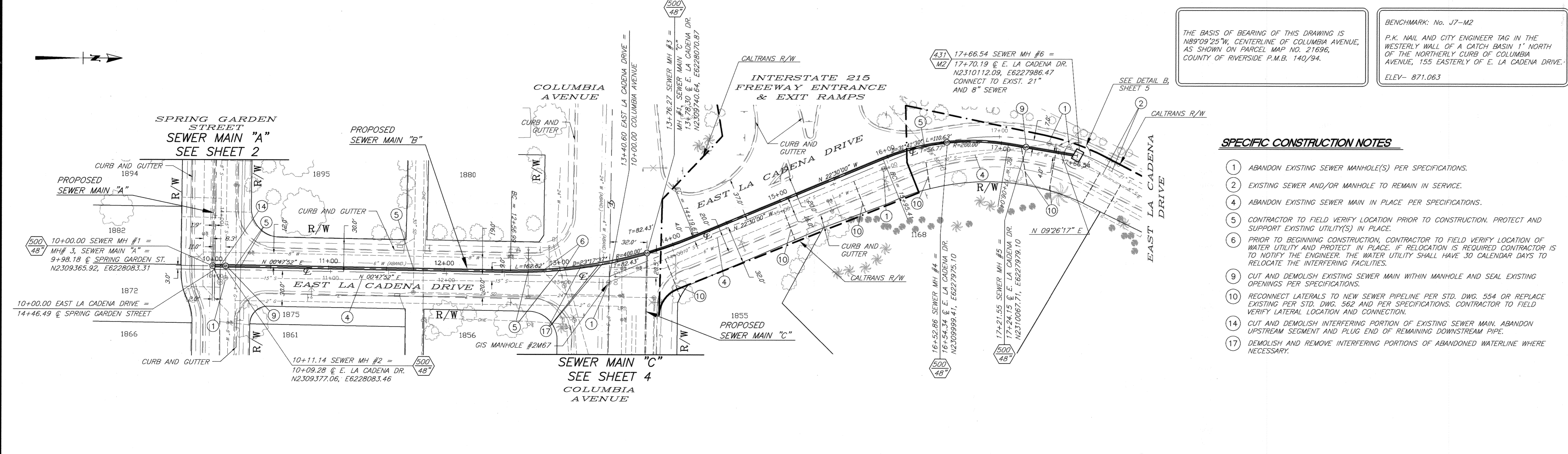
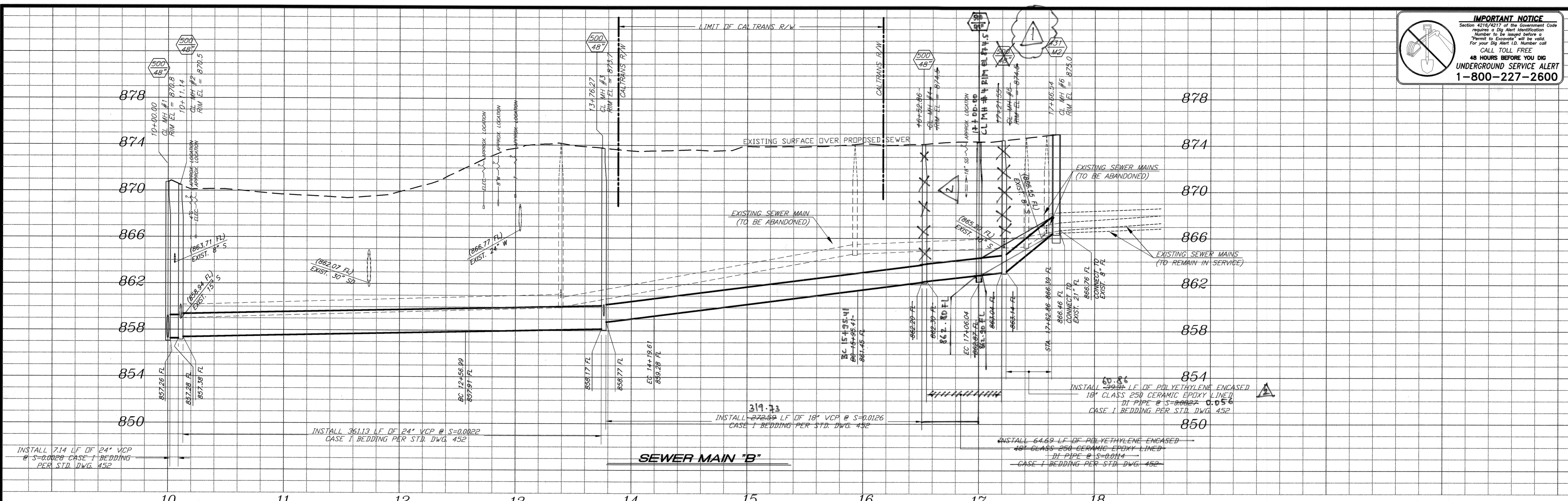
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

SHEET 2 OF 5

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INDEXED 9-12-07 LHM

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



THE BASIS OF BEARING OF THIS DRAWING IS N89°09'25\"/>

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 1150 N. MOUNTAIN AVENUE, SUITE 214
 UPLAND, CA 91786
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ENGINEER IN RESPONSIBLE CHARGE
LOUIS A. ATWELL
 R.C.E. No. 053082 expires 6/30/07
 DATE: 6/1/07

DESIGNED BY: _____ DRAWN BY: CDRAKE CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE
PRINCIPAL ENGINEER	6/1/07
INSPECTOR	6/1/07
SURVEYOR	6/1/07
INCHES WATER OPS. MGR.	6/1/07
SEWER/STORM OPS. MGR.	6/1/07
DATE	6/1/07

EAST LA CADENA DR., SPRING GARDEN ST., COLUMBIA AVE.
 SEWER PIPELINE CAPACITY IMPROVEMENT
 EAST LA CADENA DRIVE
 FROM STATION 10+00.00 TO STATION 17+66.54

ACC. No. 975823023-440301XX
 W.O. 0608412

S-1987

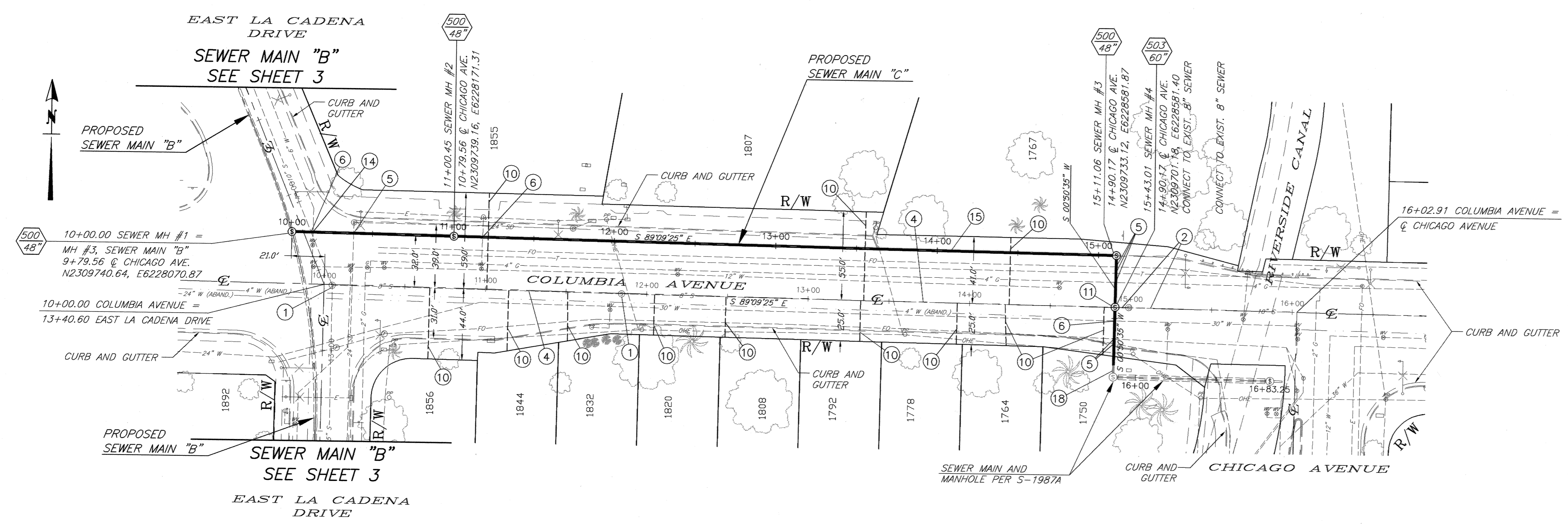
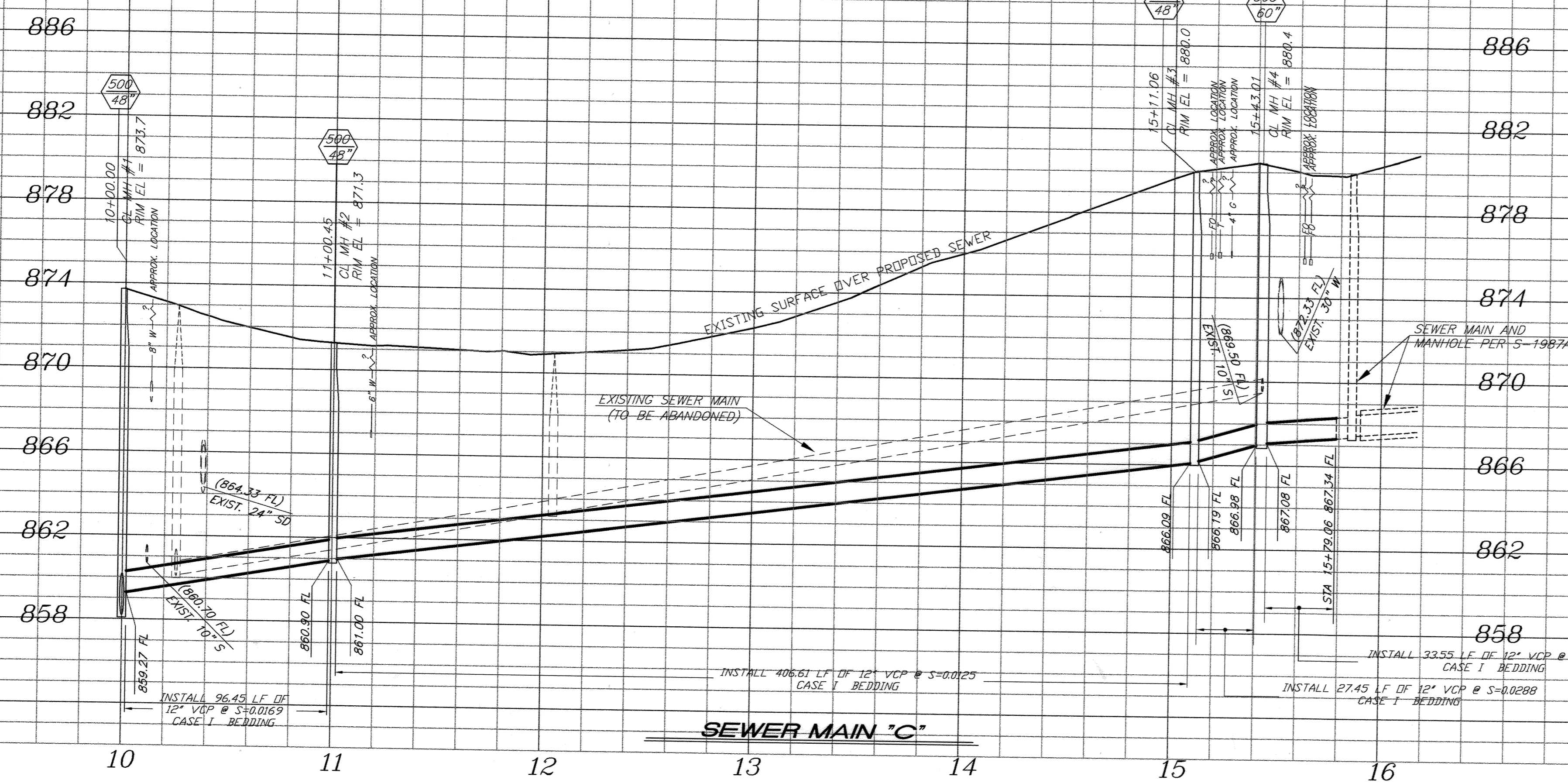
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

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INDEXED 9-12-07 lpf

IMPORTANT NOTICE
 Section 4216.217 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



THE BASIS OF BEARING OF THIS DRAWING IS N89°09'25\"/>

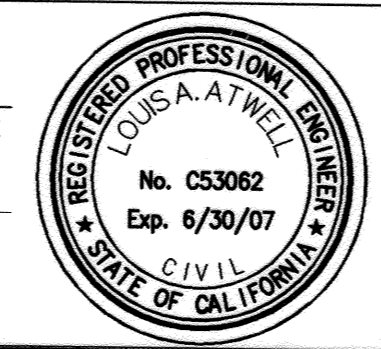
BENCHMARK: No. J7-M2
 P.K. NAIL AND CITY ENGINEER TAG IN THE WESTERLY WALL OF A CATCH BASIN 1' NORTH OF THE NORTHERLY CURB OF COLUMBIA AVENUE, 155 EASTERLY OF E. LA CADENA DRIVE.
 ELEV- 871.063

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- 15 RESTORE AC BERM PER CITY STANDARDS.
- 18 CONNECT TO PIPELINE, SEE S-1987A.

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ENGINEER IN RESPONSIBLE CHARGE
LOUIS A. ATWELL
 R.C.E. No. CS3062 expires 6/30/07
 DATE 6/16/07



DESIGNED BY	DRAWN BY	CDRAKE	CHECKED BY
REVISIONS	APPR	DATE	

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	APPROVED BY	DATE
INSPECTOR	6/16/07	CITY ENGINEER	6/16/07

EAST LA CADENA DR., SPRING GARDEN ST., COLUMBIA AVE.
 SEWER PIPELINE CAPACITY IMPROVEMENT
 COLUMBIA AVENUE
 FROM STATION 10+00.00 TO STATION 15+79.06

ACC. No. 9785823023-440301XX
 W.D. 0608412
S-1987
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INDEXED 9-12-07 LPH

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