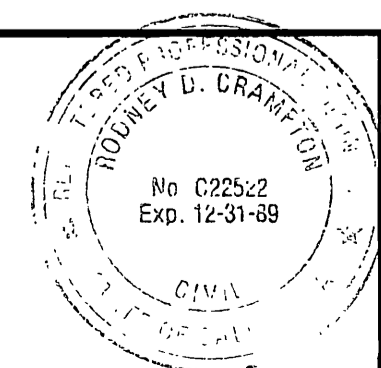
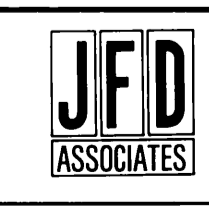


AS BUILT
 APPROVED BY: *Robyn D. Cranton*
 DATE: 12-15-89



PREPARED UNDER THE DIRECTION OF:
Robyn D. Cranton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MI. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691



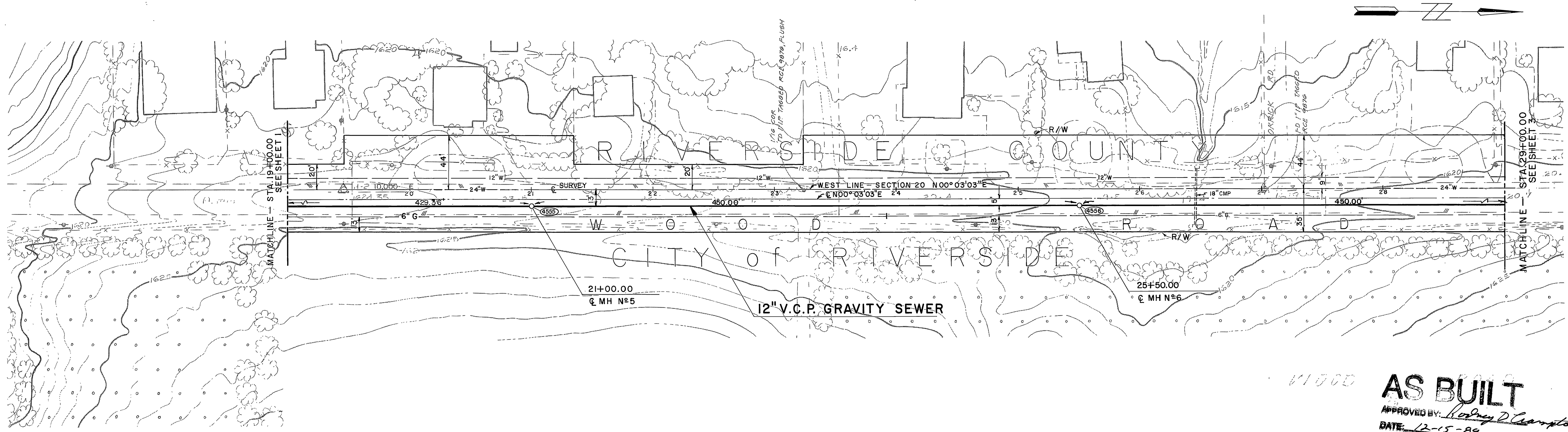
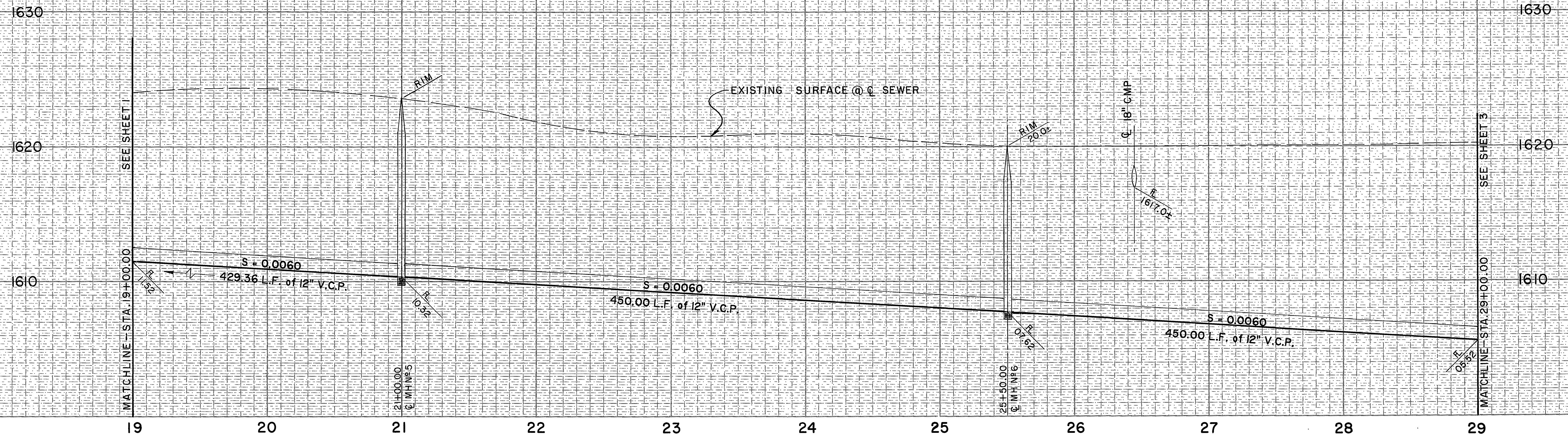
SCALE: BENCH MARK: V.B. 10-64 DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.670
 BRASS DISK FLUSH & MARKED V.B. 10-64, 0.5 MI. E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD., 206' N. OF VAN BUREN AT THE GRANITE BOULDERS, ON TOP OF 3' x 16' x 16' BOULDER.

MARK	REVISIONS	APPR.	DATE

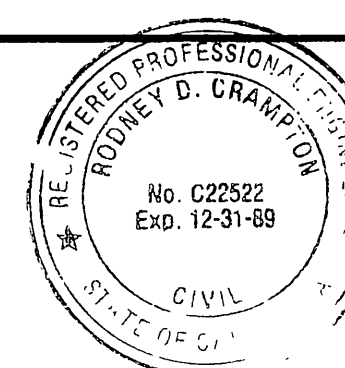
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *W. J. Davidson*
 DIRECTOR OF PUBLIC WORKS
 DATE: 4/21/87

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 10" GRAVITY SEWER WOOD RD.
 STA. 08 + 84.98 TO STA. 19 + 00.00
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. **S-1430A**
 SHEET **1** OF **37**
 FILE NO. 86-9202



AS BUILT
 APPROVED BY: *Rodney D. Crampton*
 DATE: 12-15-89



PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691



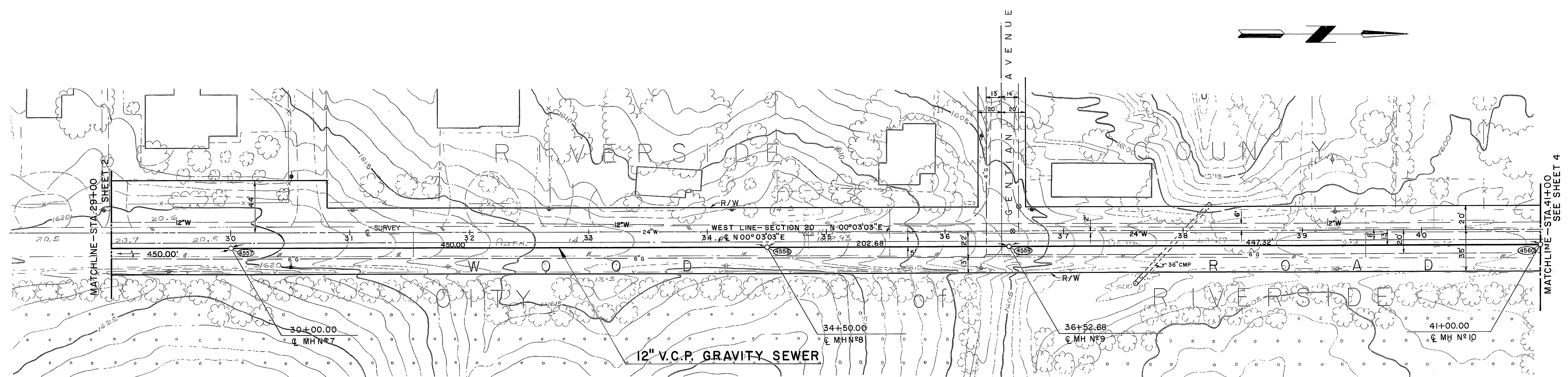
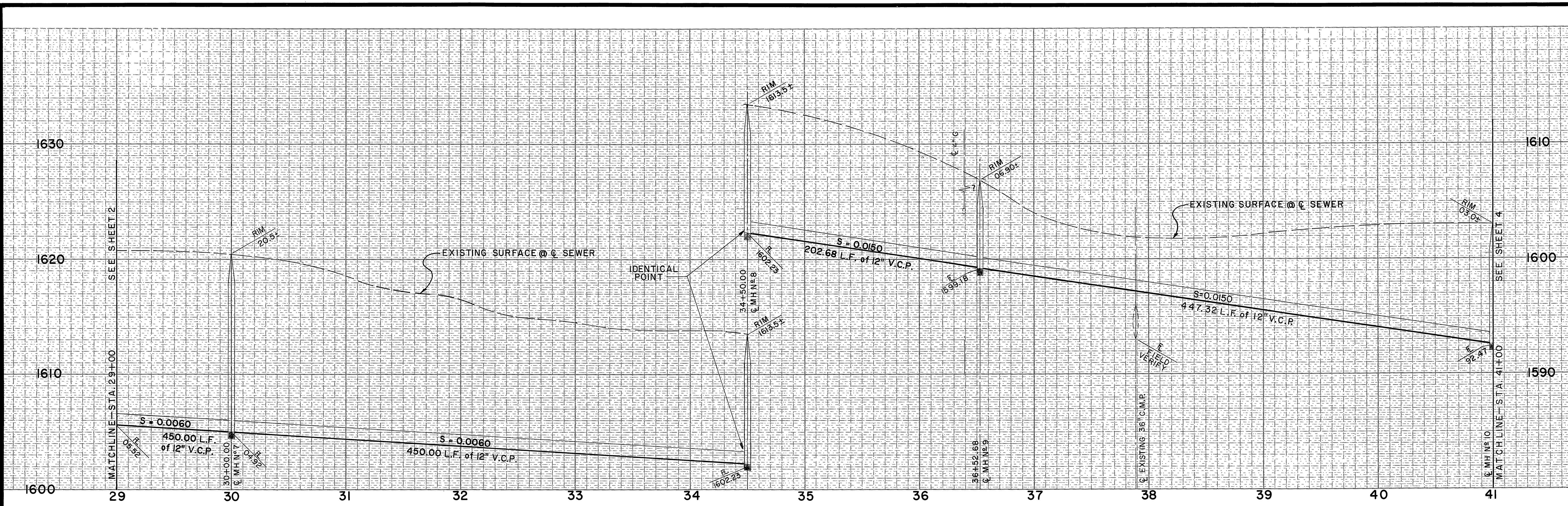
SCALE: BENCH MARK: DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.870
 BRASS DISK FLUSH & MARKED V. S. 10-84, 0.6 MI E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 200' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 10' X 10' BOULDER.

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

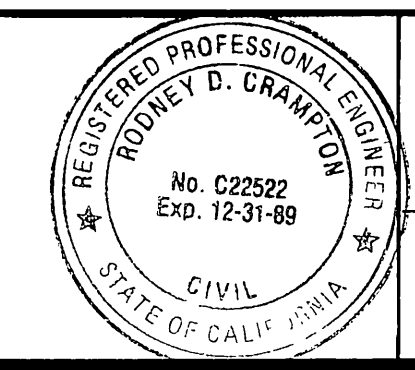
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *[Signature]* DATE: 2/2/87
 PRINCIPAL ENGINEER
 TRAFFIC DIVISION
 CHIEF P. W. *[Signature]* DATE: 2-27-87

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 12" GRAVITY SEWER WOOD RD.
 STA. 19+00.00 TO STA. 29+00.00

PROJECT NO. **S-1430A**
 SHEET **2** OF **37**
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 FILE NO. 86-9202



AS BUILT
 APPROVED BY: *Rodney D. Grant*
 DATE: 2-15-89



PREPARED UNDER THE DIRECTION OF:
Rodney D. Grant
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

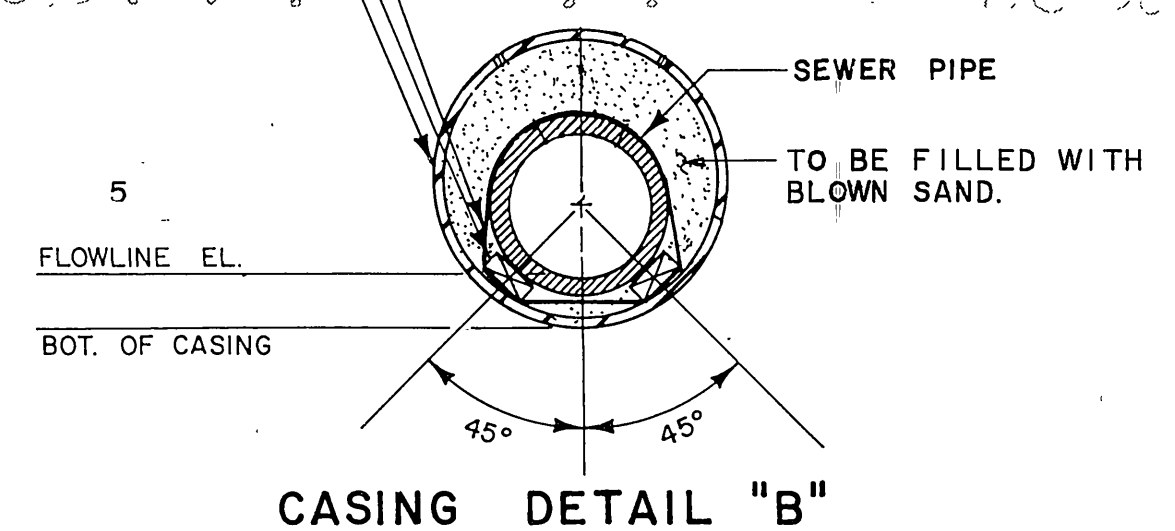
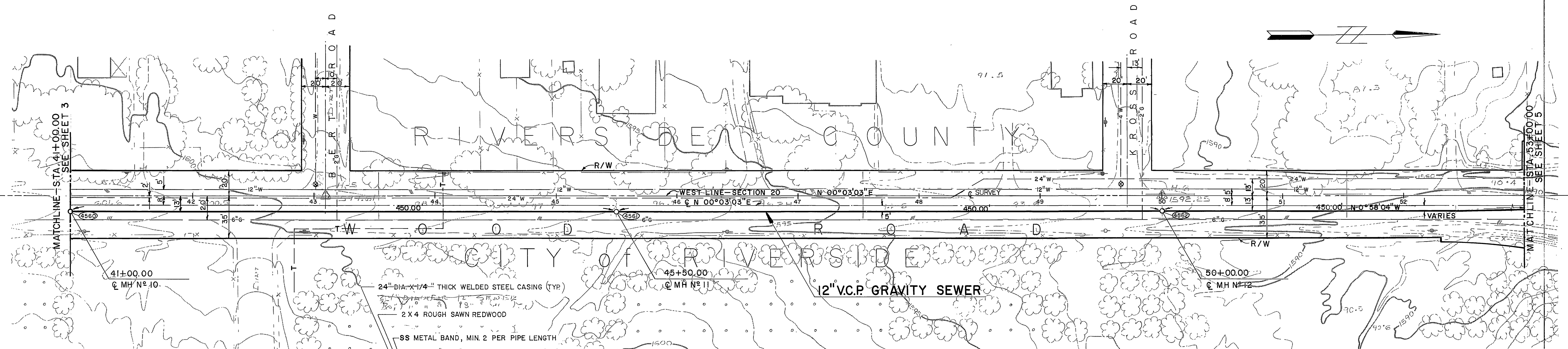
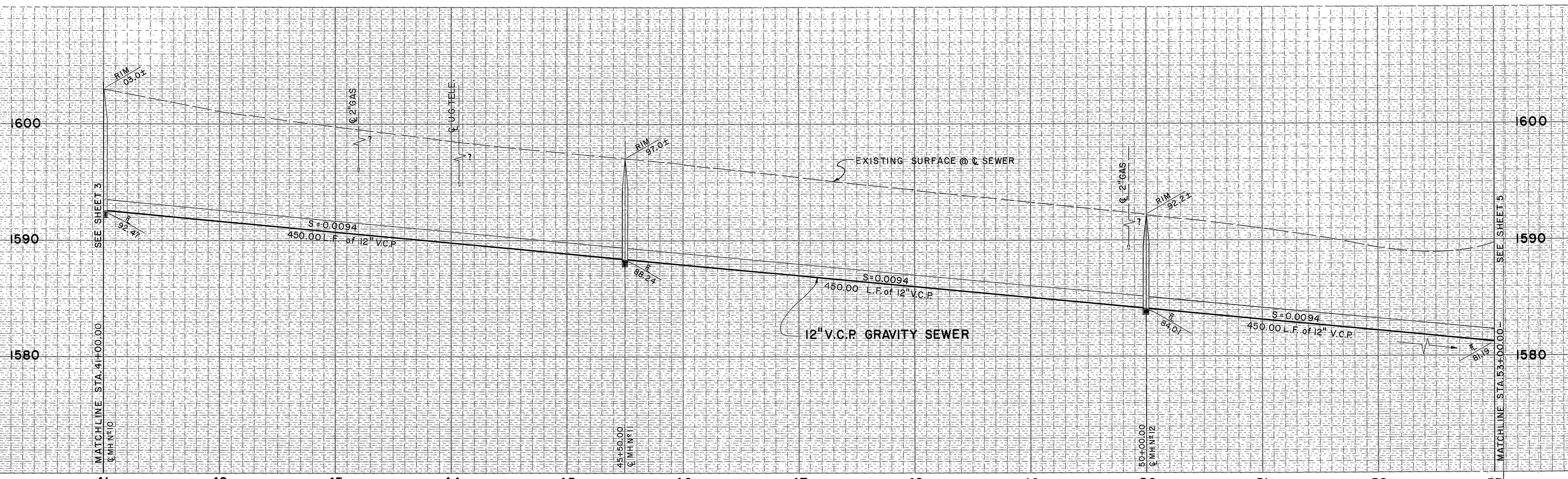
APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	<i>[Signature]</i>	3/2/89
CHIEF P. W. INSPECTOR	<i>[Signature]</i>	2/22/89

APPROVED BY: *William D. Harder*
 DIRECTOR OF PUBLIC WORKS
 DATE: 4/21/87

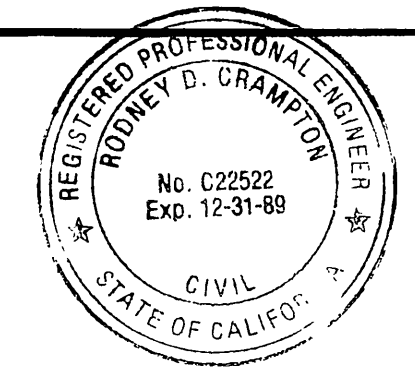
ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 12" GRAVITY SEWER WOOD RD.
 STA. 29+00.00 TO STA. 41+00.00

PROJECT NO.
S-1430A
 SHEET **3** OF **37**
 FILE NO. 86-9202

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 INDEXED 12-15-87



AS BUILT
 APPROVED BY: *Rodney D. Crampin*
 DATE: 12-15-89



PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampin
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

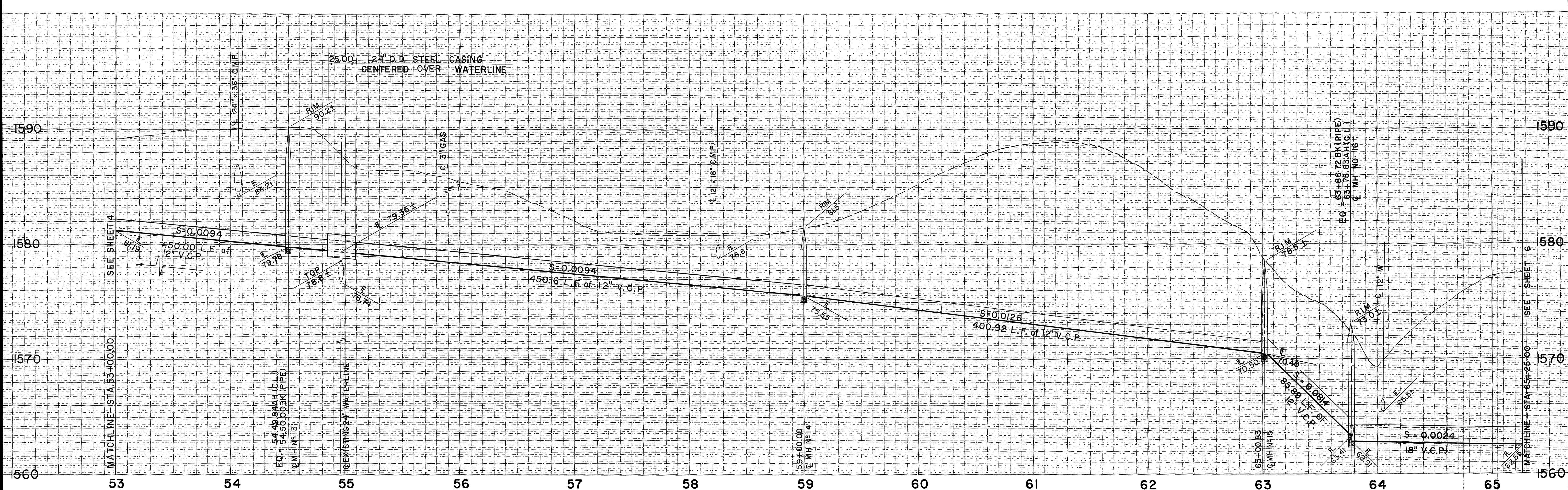
J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 826-1082 (619) 346-5691

DATE: 10/71 RIVERSIDE COUNTY ELEV. 1700.870
 BENCH MARK
 BRASS DISK FLUSH & MARKED V. S. 10-84, 0.8 MI E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 306' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 10' X 10' BOULDER.

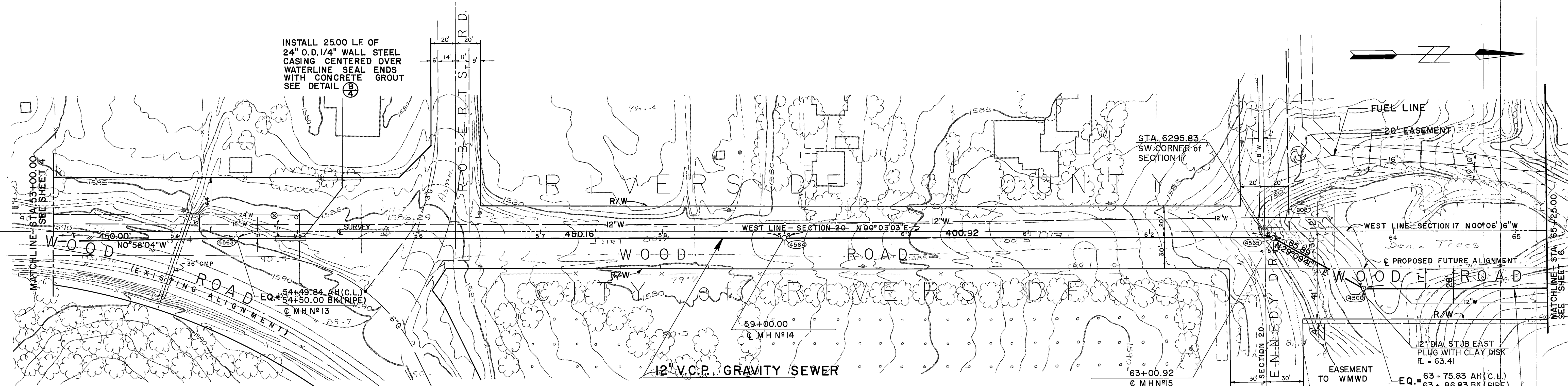
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *William D. Rodman*
 DIRECTOR OF PUBLIC WORKS
 DATE: 4/24/87

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 12" GRAVITY SEWER WOOD RD.
 STA. 41+00.00 TO STA. 53+00.00

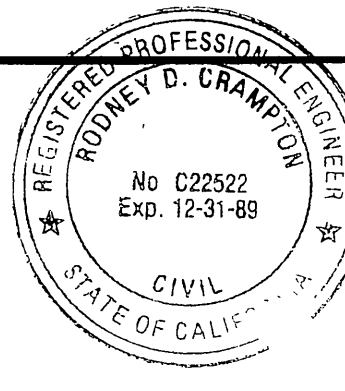
PROJECT NO. **S-1430A**
 SHEET **4** OF **37**
 FILE NO. 86-9202



INSTALL 25.00 L.F. OF
24" O.D. 1/4" WALL STEEL
CASING CENTERED OVER
WATERLINE SEAL ENDS
WITH CONCRETE GROUT
SEE DETAIL B



AS BUILT
APPROVED BY: *Robey D. Crampton*
DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Robey D. Crampton
REGISTERED CIVIL ENGINEER NO. C 22522
EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691



SCALE: _____ BENCH MARK: _____ DATE: 1/71 RIVERSIDE COUNTY ELEV. 1700.870
BRASS DISK FLUSH & MARKED V. B. 10-84, 0.8 MI E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 206' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 16' X 16' BOULDER.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

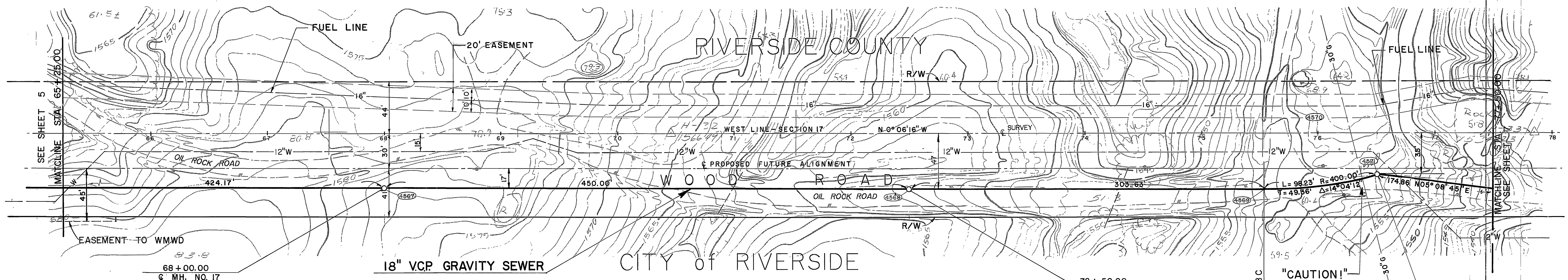
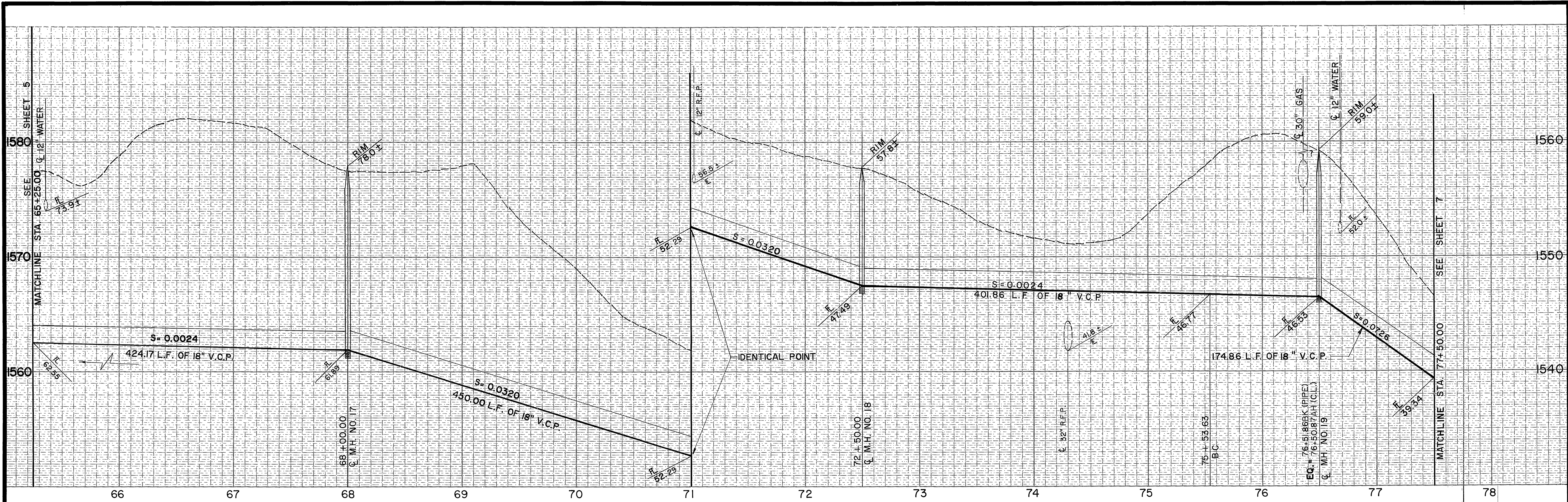
APPROVED BY: _____ BY: _____ DATE: 1/2/81
PRINCIPAL ENGINEER
PAVING SUPERVISOR
TRAFFIC DIVISION
CHIEF P. W. INSPECTOR

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
12" GRAVITY SEWER WOOD RD.
STA. 53+00.00 TO STA. 65+25.00

PROJECT NO.
S-1430A
SHEET **5** OF **37**

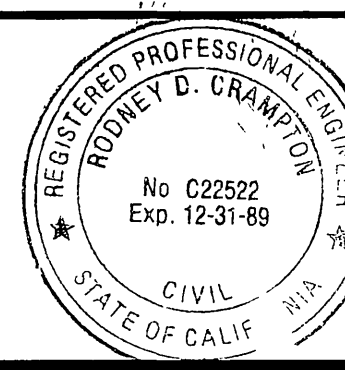
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4' FILE NO. 86-9202

INDEXED 12-15-87



AS BUILT
 APPROVED BY: *Rodney D. Crampin*
 DATE: 12/15/89

"CAUTION!"
 HIGH PRESSURE GAS LINE
 NOTIFY SOUTHERN CALIF GAS CO.
 SOUTH INLAND TRANSMISSION
 DIVISION IN BEAUMONT 48 HOURS
 PRIOR TO EXCAVATION
 TELEPHONE (714) 845-2617



PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampin
 REGISTERED CIVIL ENGINEER NO. C 22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

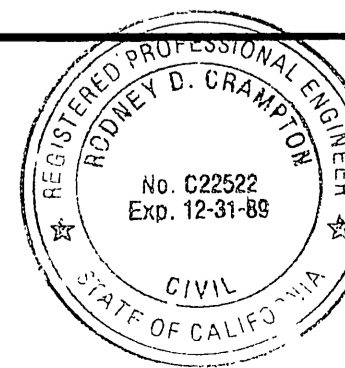
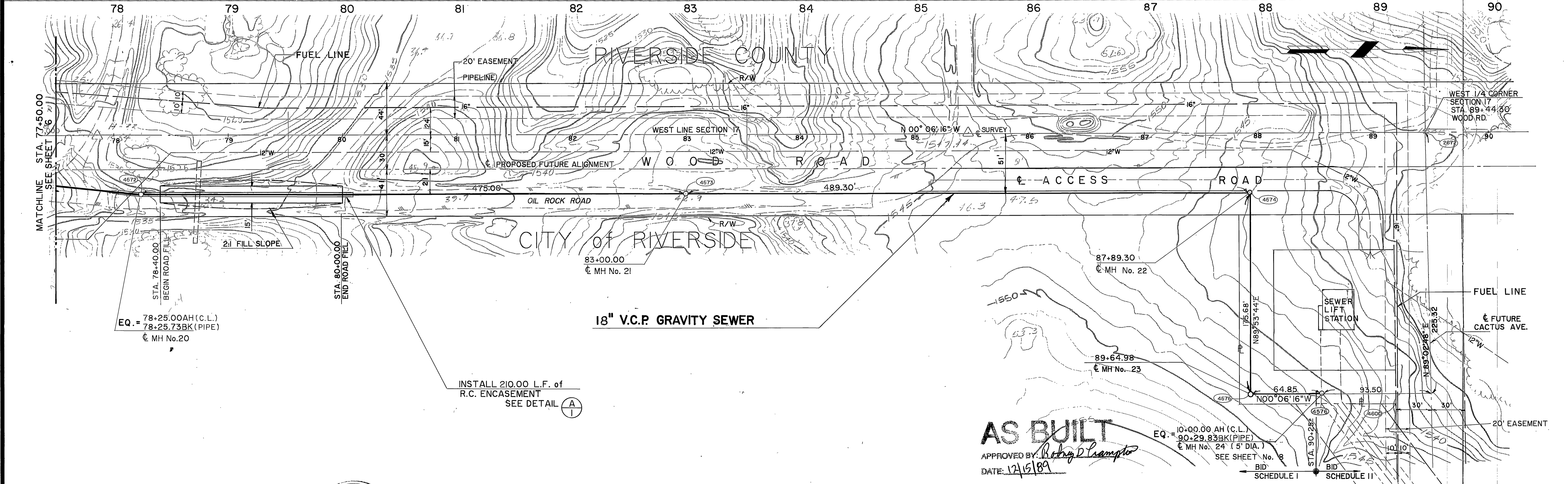
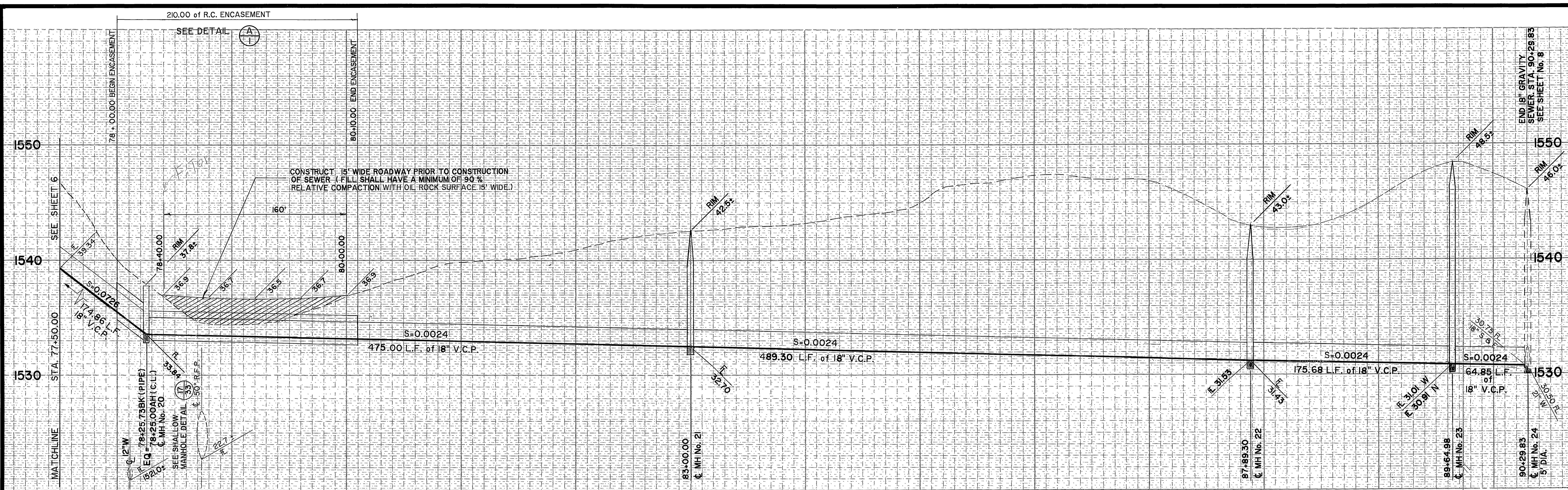
J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5091

SCALE	BENCH MARK	DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.670
DATE	BRASS DISK FLUSH & MARKED V. B. 10-64, 0.8 MI. E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 206' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 18' X 18' BOULDER.	

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		
APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	<i>AC</i>	3/2/89
TRAFFIC DIVISION	<i>AC</i>	2-23-89
CHIEF P. W. INSPECTOR	<i>AC</i>	2-23-89

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
15" GRAVITY SEWER WOOD RD.
 STA. 65+25.00 TO STA. 77+50.00

PROJECT NO.
S-1430A
 SHEET **6** OF **37**
 FILE NO. 86-9202

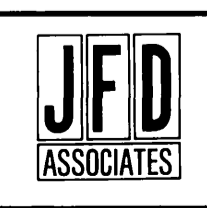


PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE 1" = 40'
 DATE

BENCH MARK: DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.870
 BRASS DISK FLUSH & MARKED V. B. 10-64. 0.8 MI E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 206' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 18' X 18' BOULDER.



MARK	REVISIONS	APPR.	DATE

DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: *ME*

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

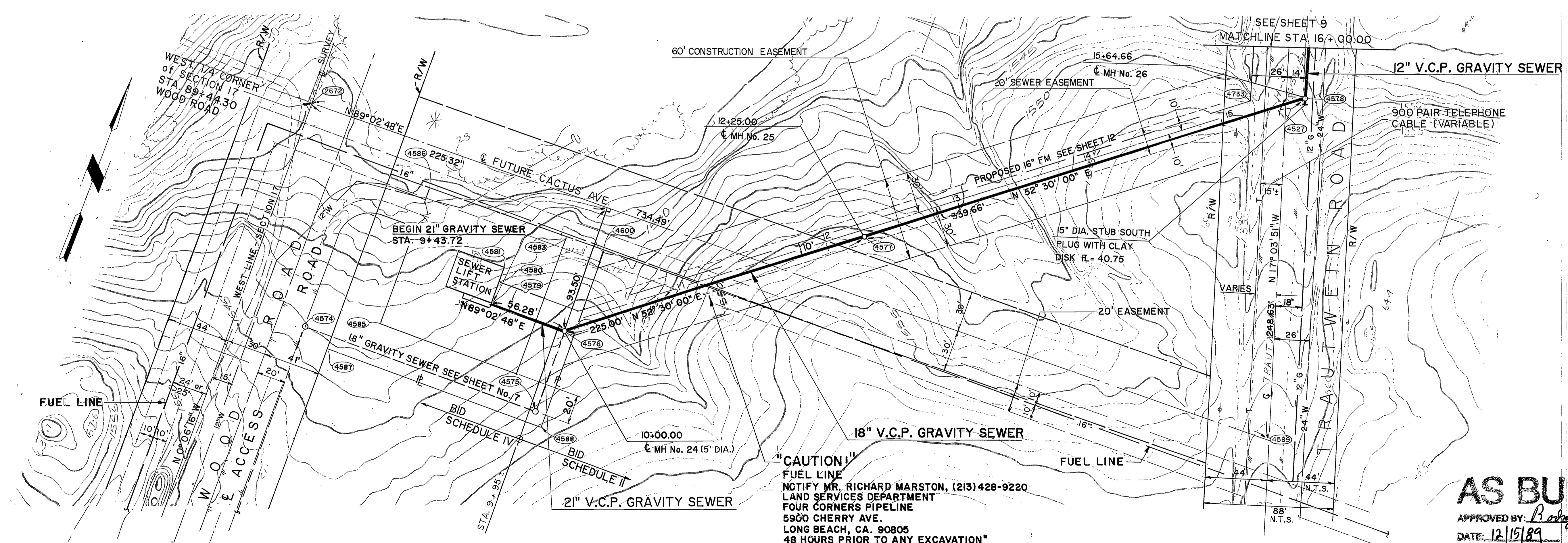
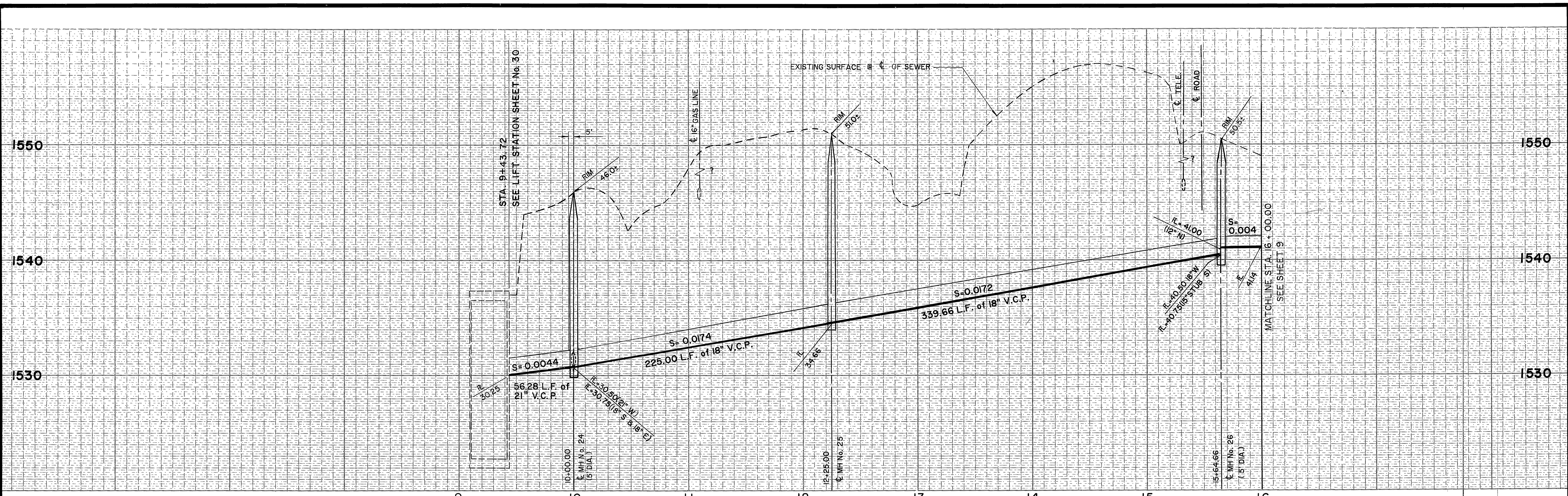
APPROVED BY: _____ BY: *William D. Davidson* DATE: 4/24/87
 PRINCIPAL ENGINEER
 TRAFFIC DIVISION
 CHIEF P. W. INSPECTOR

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 18" GRAVITY SEWER WOOD RD.
 STA. 77+50.00 TO STA. 90+29.83

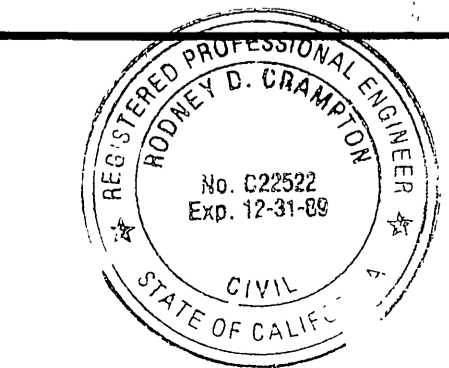
PROJECT NO. **S-1430A**
 SHEET **7** OF **37**
 FILE NO. 86-9202

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

INDEXED 12-15-87 41



AS BUILT
 APPROVED BY: *Roby D. Cramp*
 DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Roby D. Cramp
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COULTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691



SCALE: _____ BENCH MARK: _____ DATE: 10/71 RIVERSIDE COUNTY ELEV. 1700.670
 BRASS DISH FLUSH & MARKED V. B. 10-84, 0.8 MI. E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 80FT. N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 16' X 16' BOULDER.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

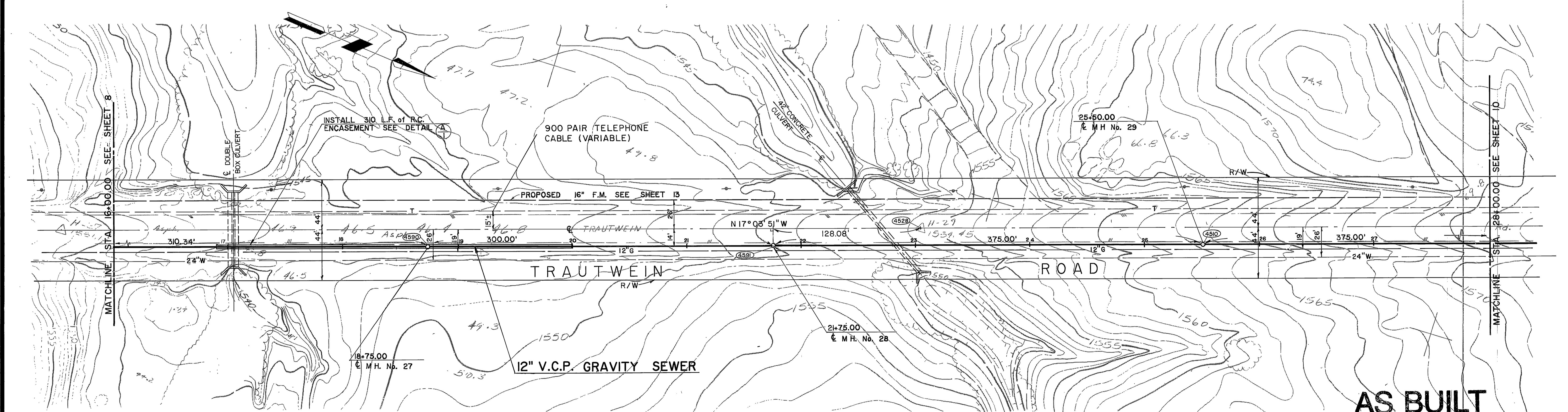
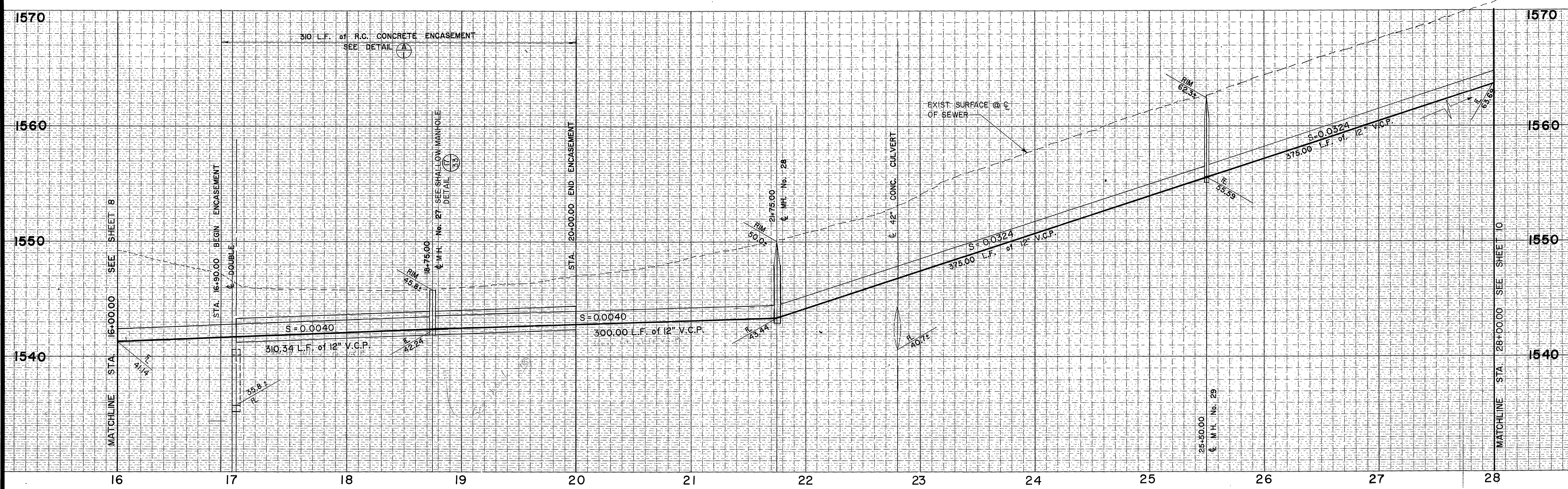
APPROVED BY: _____ BY: _____ DATE: 3-2-77
 PRINCIPAL ENGINEER
 CHIEF DIVISION: _____
 TRAFFIC DIVISION: _____
 CHIEF P. W. INSPECTOR: _____
 DATE: 4/24/87

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 18" GRAVITY SEWER TRAUTWEIN RD.
 STA. 09+43.72 TO STA. 16+00.00

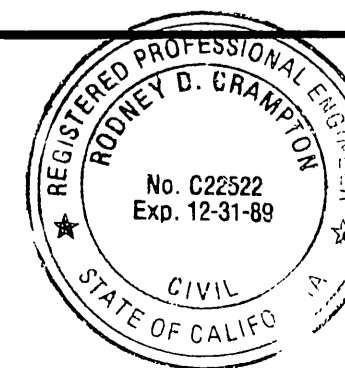
PROJECT NO. _____
S-1430A
 SHEET: **8** OF **37**

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4' FILE NO. 86-9202

INDEXED 12-15-87 LHM



AS BUILT
 APPROVED BY: *Robyn D. Coon*
 DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Robyn D. Coon
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

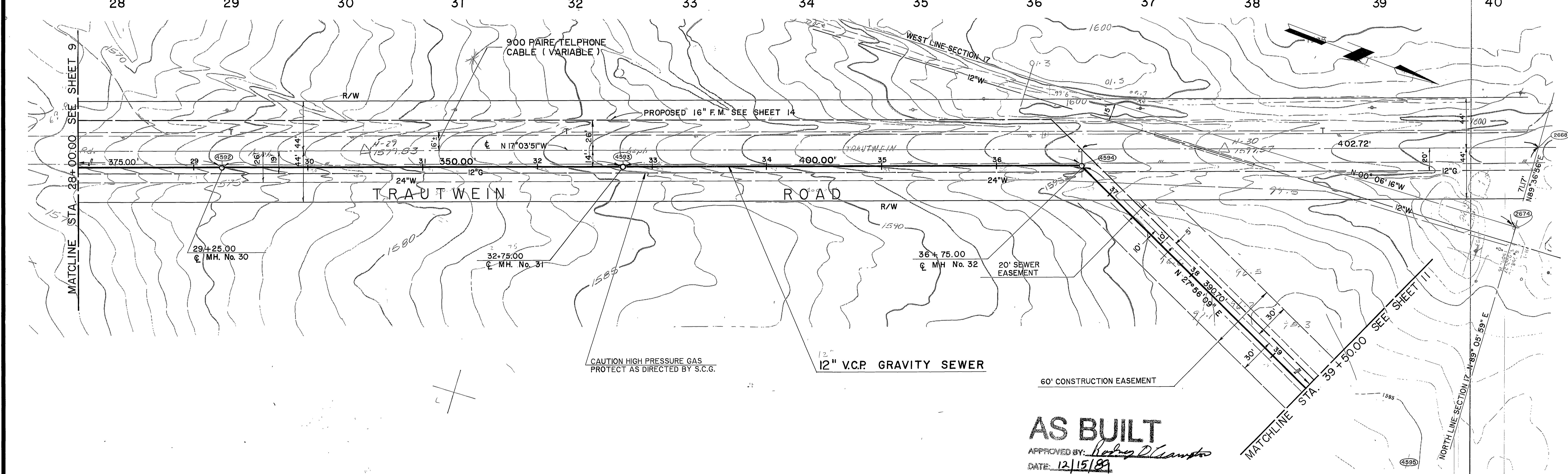
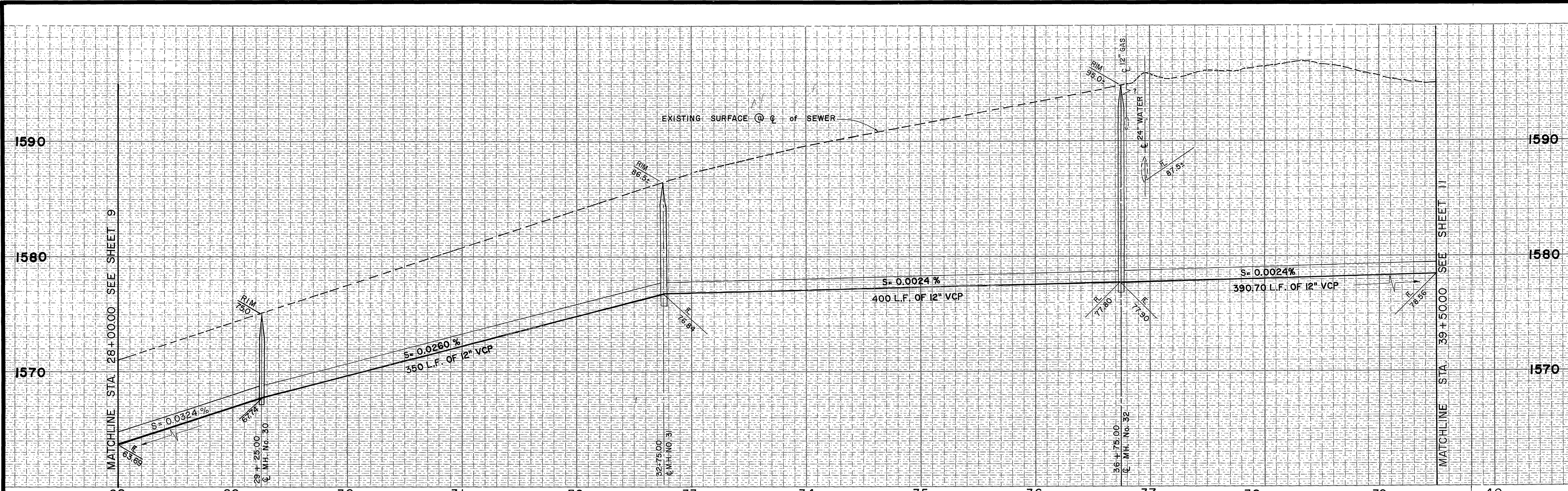
J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691
 SCALE: BENCH MARK: DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.670
 BRASS DISK FLUSH & MARKED V. B. 10-84, 0.6 MI E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 200' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 16' X 18' BOULDER.

MARK	DESIGNED BY	DRAWN BY	CHECKED BY
REVISIONS	APPR.	DATE	

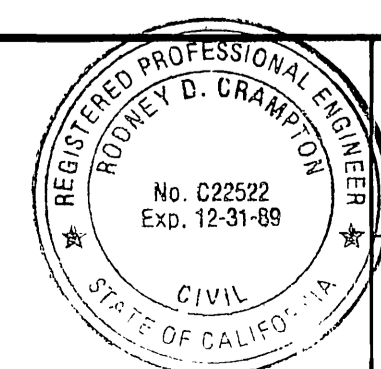
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *William D. Harder*
 PRINCIPAL ENGINEER DATE: 3-2-87
 PARK DEPARTMENT
 TRAFFIC DIVISION DATE: 2-27-87
 CHIEF P. W. INSPECTOR DATE: 2-27-87

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 12" GRAVITY SEWER TRAUTWEIN RD
 STA. 16+00.00 TO STA. 28+00.00
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO.
S-1430A
 SHEET **9** OF **37**
 FILE NO. 86-9202

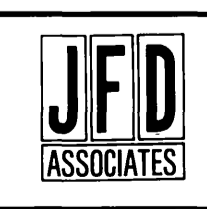


AS BUILT
 APPROVED BY: *Rodney D. Crampton*
 DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691



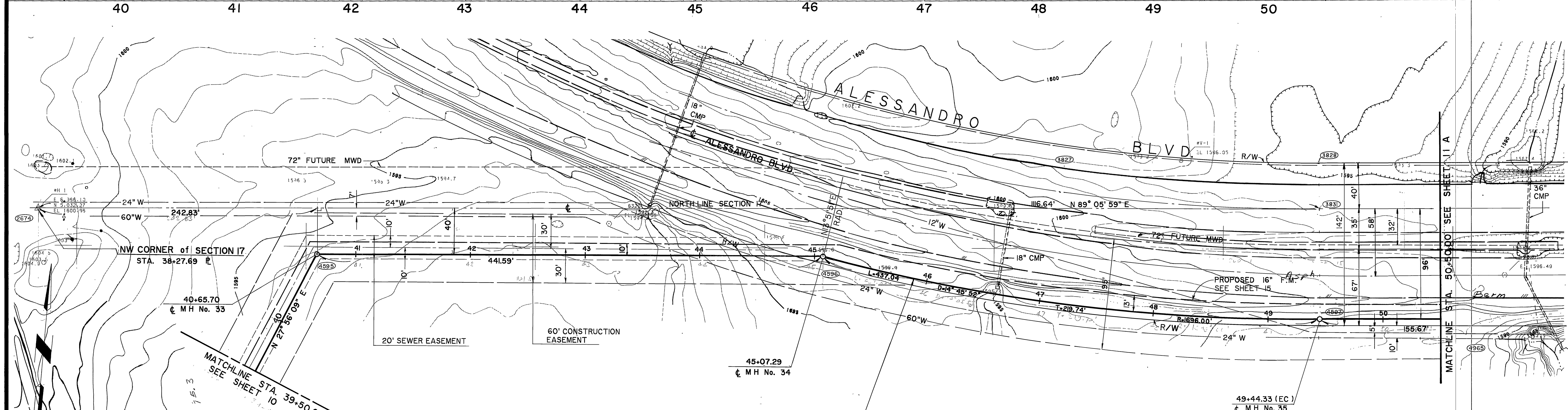
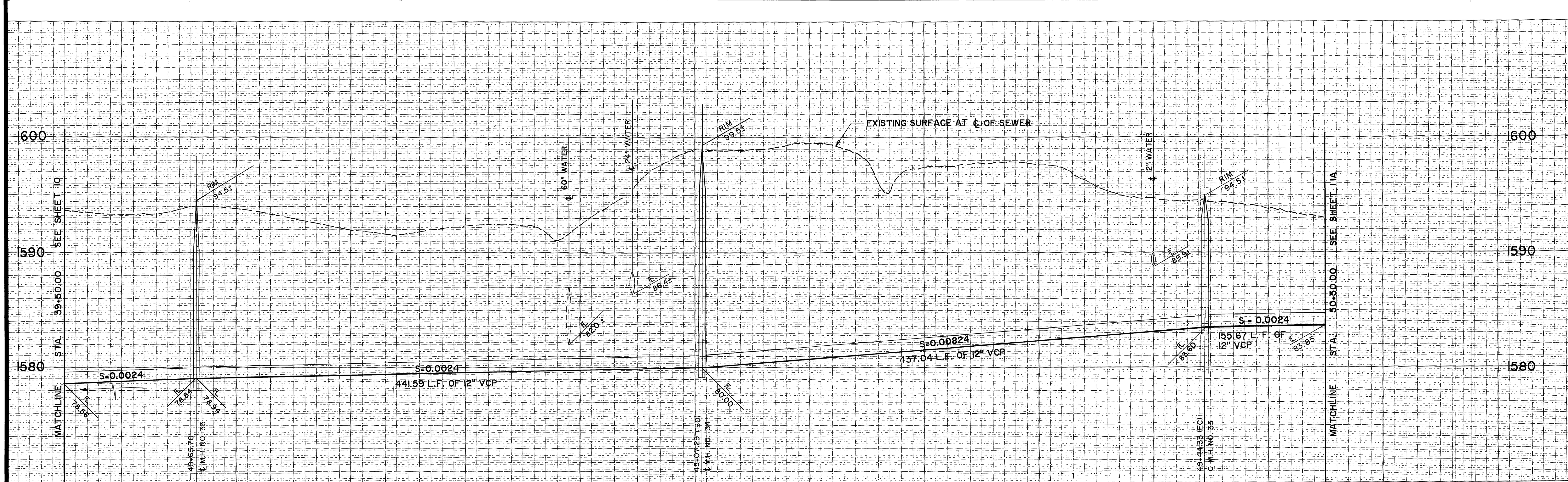
SCALE: BENCH MARK: DATE: 07/1 RIVERSIDE COUNTY ELEV. 1700.870
 BRASS DISK FLUSH & MARKED V. S. 10-64, 0.8 MI. E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 20' N. OF VAN BUREN AT THE GRANITE BOLLIDER ON TOP OF 3' X 12' X 18' BOLLIDER.

MARK	REVISIONS	APPR.	DATE
DESIGNED BY:	DRAWN BY: RMD	CHECKED BY:	DATE: 4/24/87

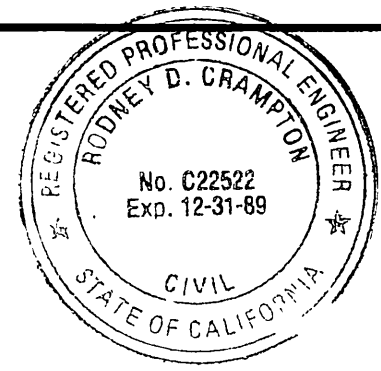
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *William D. Gardner*
 PARK DEPARTMENT DIRECTOR OF PUBLIC WORKS
 TRAFFIC DIVISION
 CHIEF P. W. INSPECTOR

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 12" GRAVITY SEWER TRAUTWEIN RD.
 STA. 28 + 00.00 TO STA. 39 + 50.00
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. **S-1430A**
 SHEET **10** OF **37**
 FILE NO. 86-9202



AS BUILT
 APPROVED BY: *Robyn D. Clampton*
 DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Robyn D. Clampton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MI. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

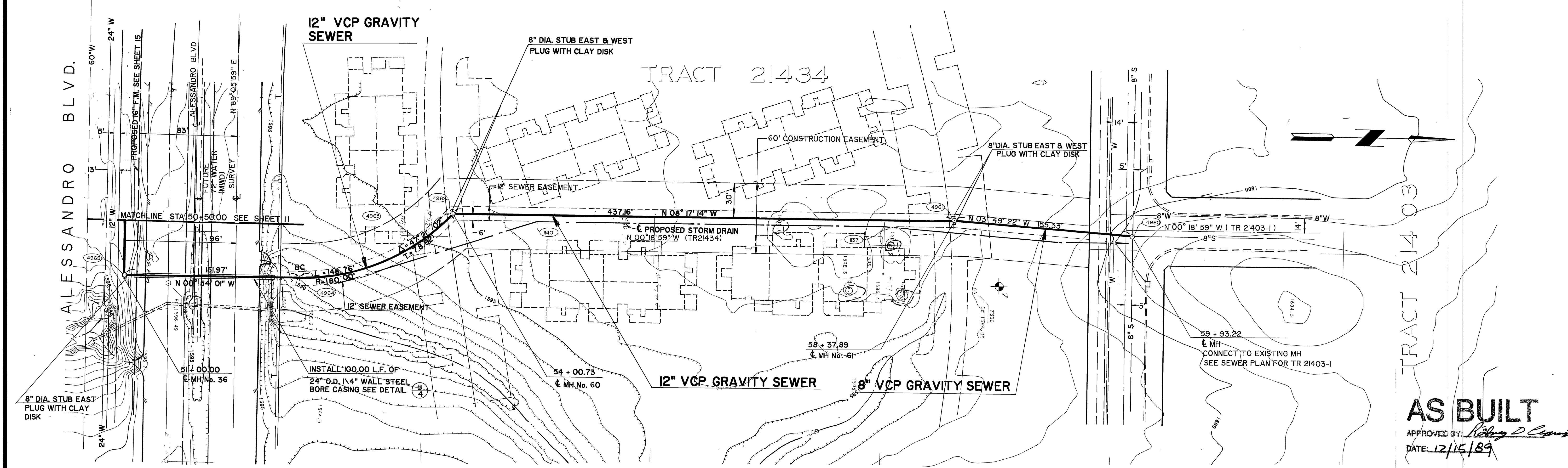
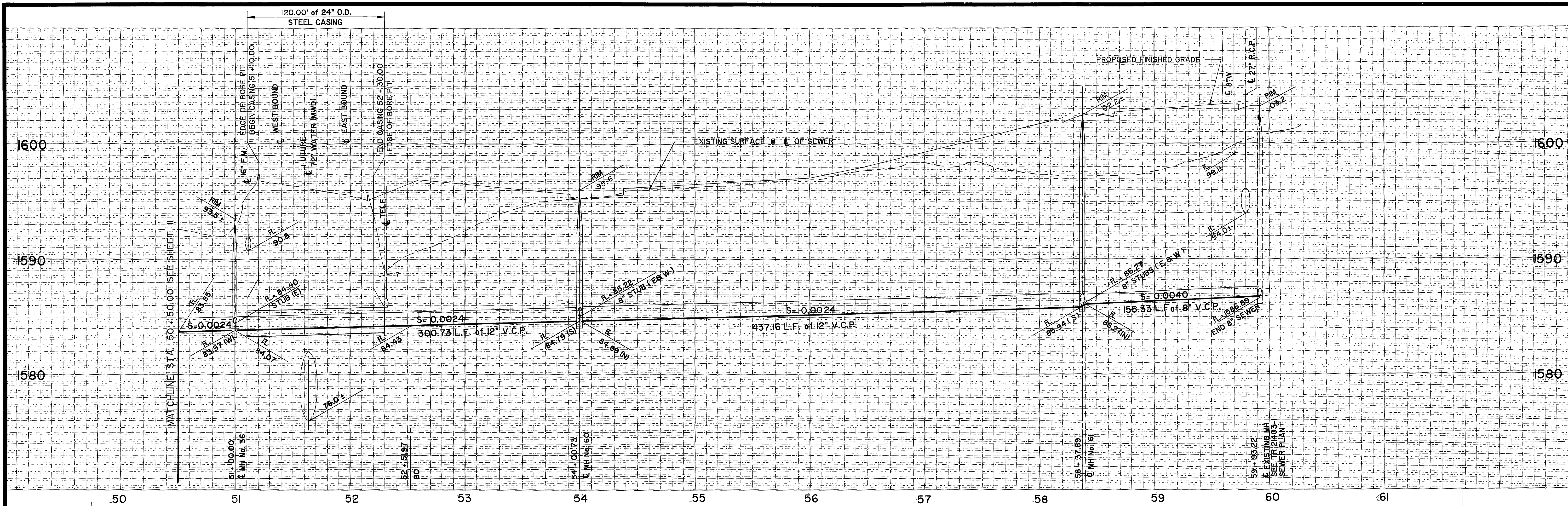
SCALE: 1" = 40'
 DATE: 12-15-89
 DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature] DATE: 3-2-87
 TRAFFIC DIVISION: [Signature] DATE: 2-27-87
 CHIEF P. W. DIVISION: [Signature] DATE: 2-27-87

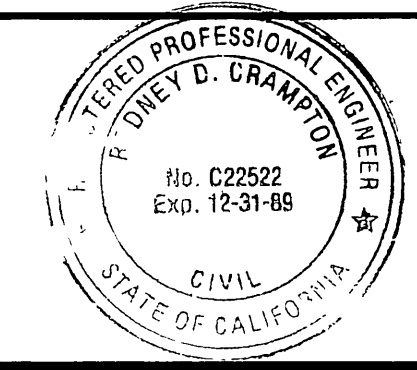
ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 12" GRAVITY SEWER ALESSANDRO BLVD.
 STA. 39+50.00 TO STA. 50+50.00

PROJECT NO. S-1430A
 SHEET 11 OF 37
 FILE NO. 86-9202

INDEXED 12-15-89



AS BUILT
 APPROVED BY: *Robert D. Clampton*
 DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Robert D. Clampton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

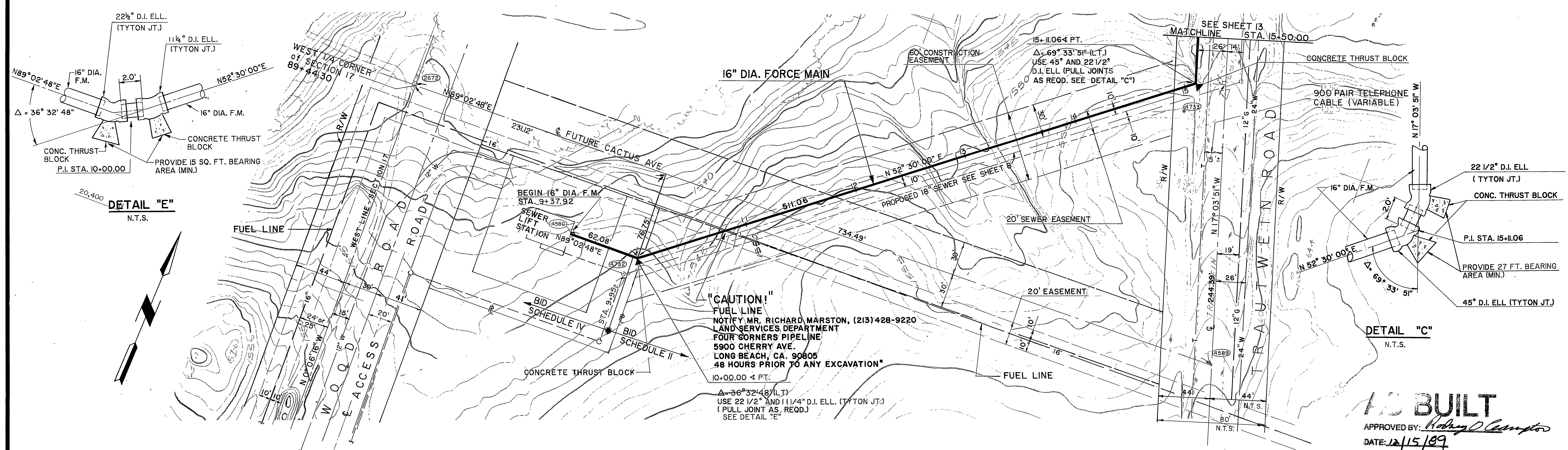
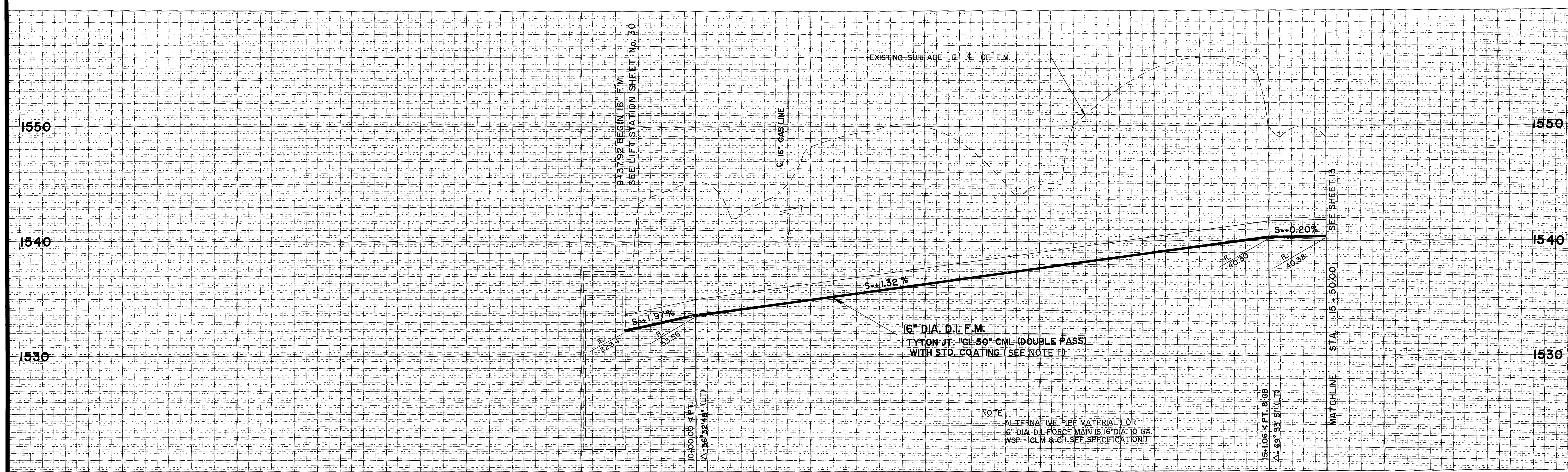
J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

JFD ASSOCIATES
 SCALE: BENCH MARK: DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.870
 BRASS DISK FLUSH & MARKED V. B. 10-84, 0.8 MI E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 200' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 16' X 16' BOULDER.

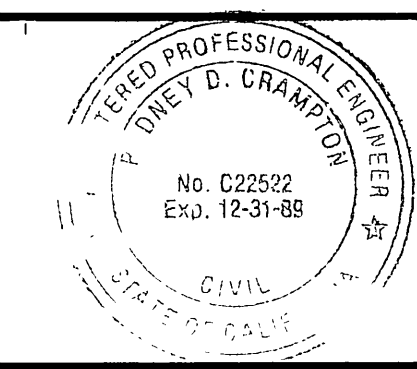
CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *William D. Sandberg*
 CHIEF P. W. INSPECTOR
 DATE: 4/24/87

ALESSANDRO BLVD. & WOOD RD.
 TRUNK SEWER
 12" GRAVITY SEWER FOR TRACT 21403
 STA. 51 + 00.00 TO STA. 59 + 93.22
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. S-1430A
 SHEET 11A OF 37
 FILE NO. 86-9202



AS BUILT
APPROVED BY: *Roby D. Crampton*
DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Roby D. Crampton
REGISTERED CIVIL ENGINEER NO. C22522
EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: BENCH MARK: DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.870

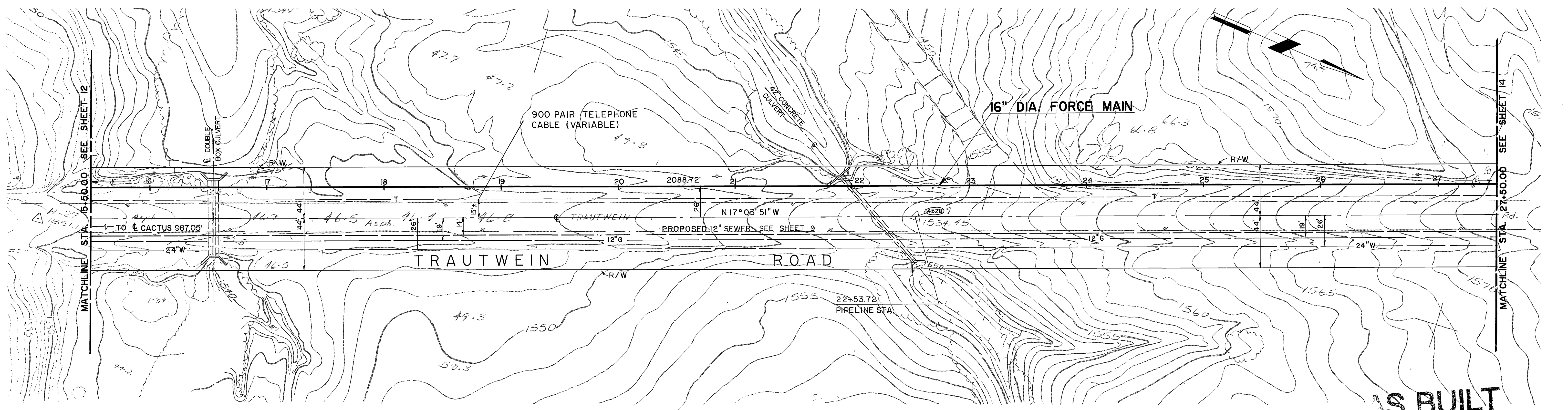
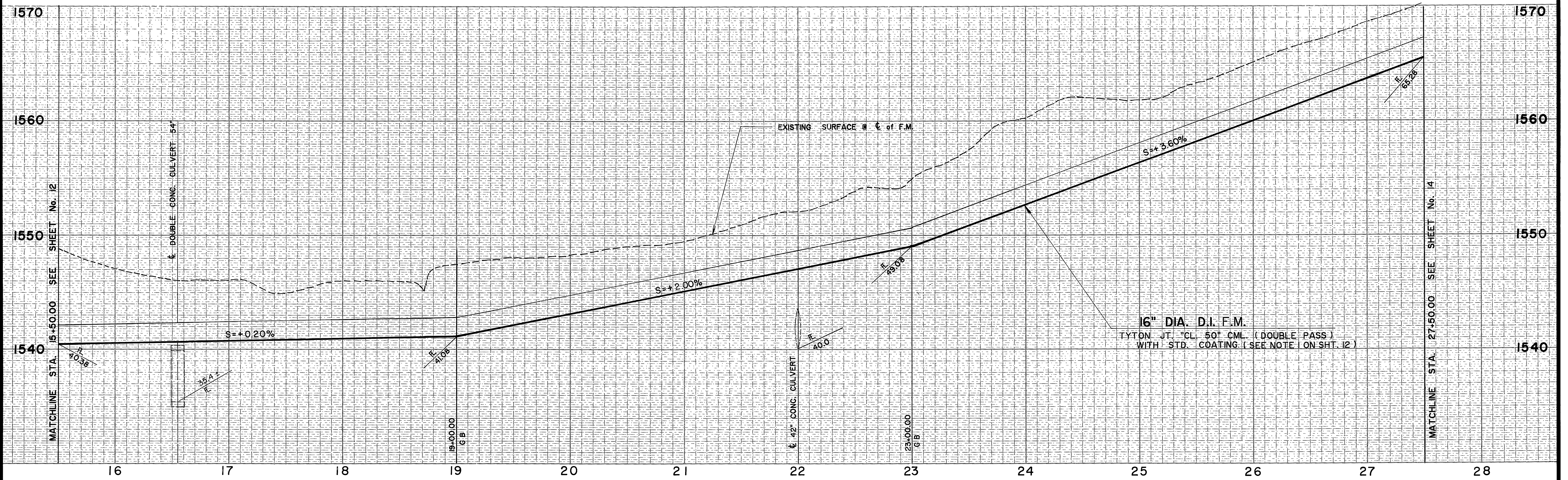
BRASS DISK FLUSH & MARKED V. B. 10-84, 0.6 MI E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 800' N. OF VAN BUREN AT THE GRANITE BOLLARD ON TOP OF 3' X 18" X 18" BOLLARD.

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

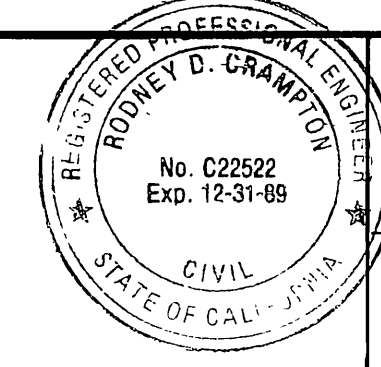
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *William S. Davidson*
PRINCIPAL ENGINEER DATE: 2-28-87
TRAFFIC DIVISION DATE: 1-24-87
CHIEF P. W. INSPECTOR DATE: 2-28-87

PROJECT NO. S-1430A
ALESSANDRO BLVD. & WOOD RD. TRUNK SEWER
16" F.M. LIFT STA. TO TRAUTWEIN RD.
STA. 9+37.92 TO STA. 15+50.00
SHEET 12 OF 37
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
FILE NO. 86 - 9202

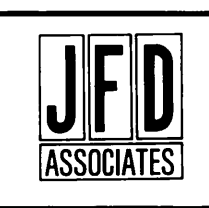


AS BUILT
 APPROVED BY: *Robyn D. Crampton*
 DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Robyn D. Crampton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691



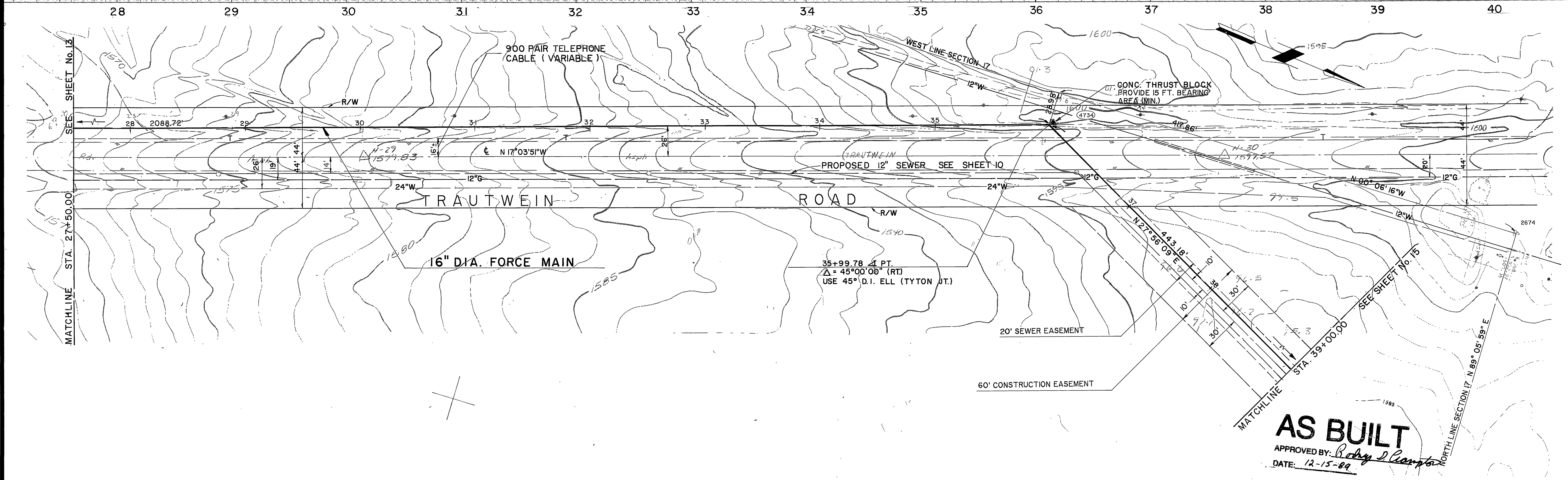
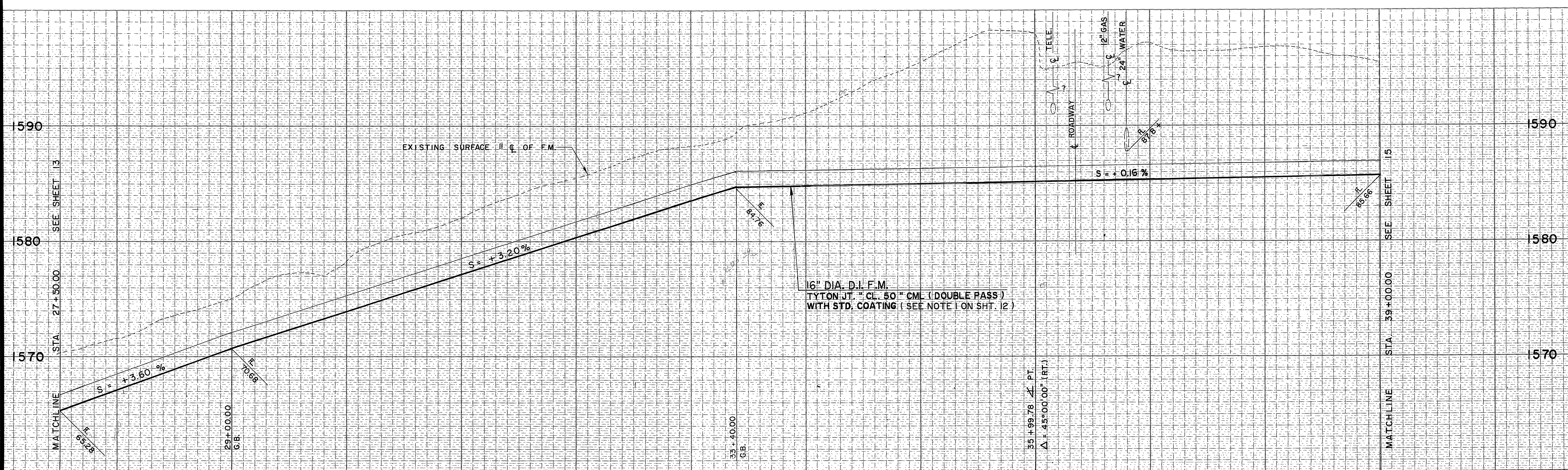
SCALE: _____ BENCH MARK: DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.870
 DATE: _____ BRASS DISK FLUSH & MARKED V. B. 10-84, 0.8 MI. E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 200' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 8' X 10' BOULDER.

MARK	DESIGNED BY	DRAWN BY	CHECKED BY
REVISIONS	APPR. DATE		

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ BY: _____ DATE: 2-2-87
 PRINCIPAL ENGINEER
 TRAFFIC DIVISION: _____ DATE: 2-27-87
 CHIEF P. W. INSPECTOR: _____ DATE: 2-27-87

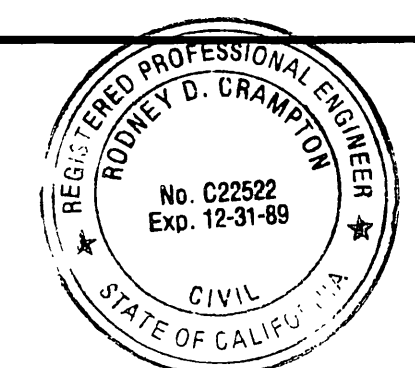
ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 16" FORCE MAIN TRAUTWEIN RD.
 STA. 15+50.00 TO STA. 27+50.00
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. _____
S-1430A
 SHEET 13 OF 37
 FILE NO. 86-9202



AS BUILT

APPROVED BY: *Rodney D. Hampton*
DATE: 12-15-89



PREPARED UNDER THE DIRECTION OF:
Rodney D. Hampton
REGISTERED CIVIL ENGINEER NO. C22522
EXPIRATION DATE 12-31-89 DATE: 2-7-87

J F DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691



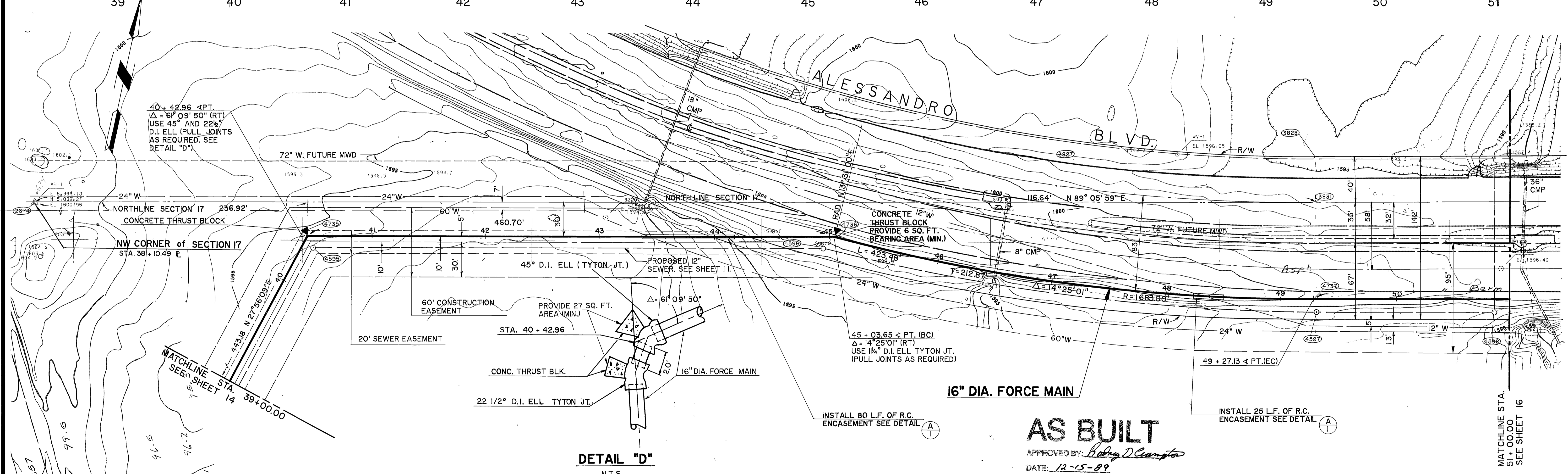
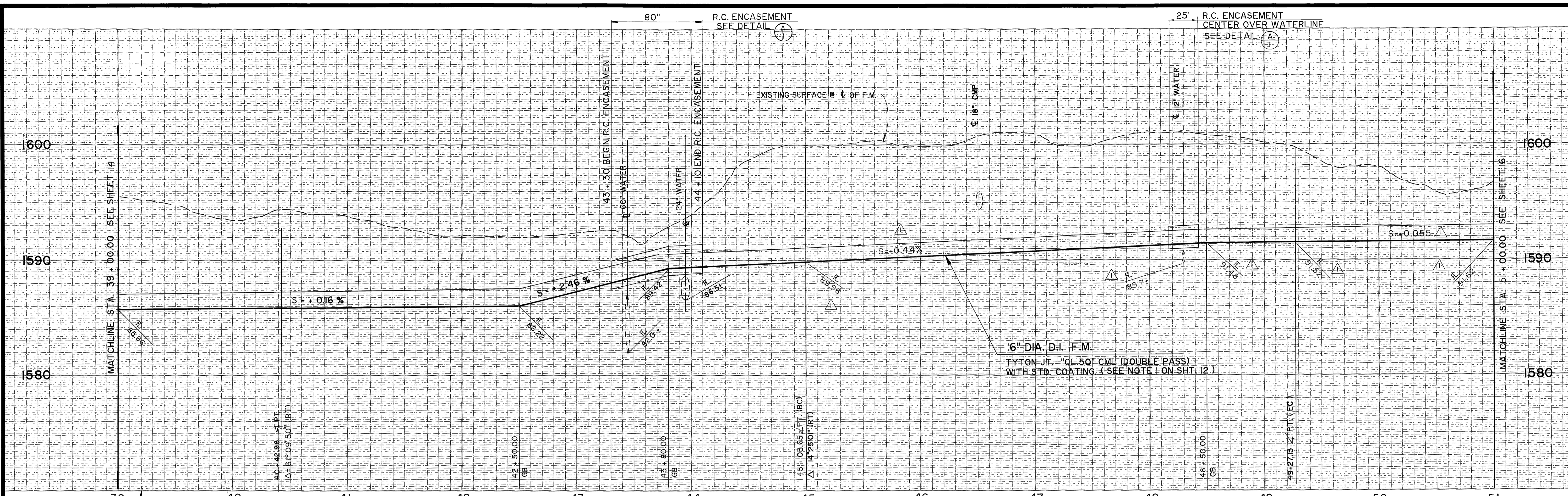
SCALE: BENCH MARK: DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.670
BRASS DISK FLUSH & MARKED V. B. 10-64. 0.6 MI E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 80' N. OF VAN BUREN AT THE GRANITE BOLLARD ON TOP OF 3' X 10' X 18\"/>

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *William S. Gardner*
PRINCIPAL ENGINEER DATE: 2-3-77
TRAFFIC DIVISION DATE: 2-27-77
CHIEF P. W. INSPECTOR DATE: 2-25-77

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
16" FORCE MAIN TRAUTWEIN ROAD
STA. 27+50.00 TO STA. 39+00.00
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. **S-1430A**
SHEET **14** OF **37**
FILE NO. 86-9202



PREPARED UNDER THE DIRECTION OF:
Rodney D. Crumpton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: _____ BENCH MARK: _____ DATE: 12/89 RIVERSIDE COUNTY ELEV. 1700.670
 DATE: _____

BRASS DISK FLUSH & MARKED V. B. 10-84, 0.6 MI. E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 200' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 18' X 18' BOULDER.

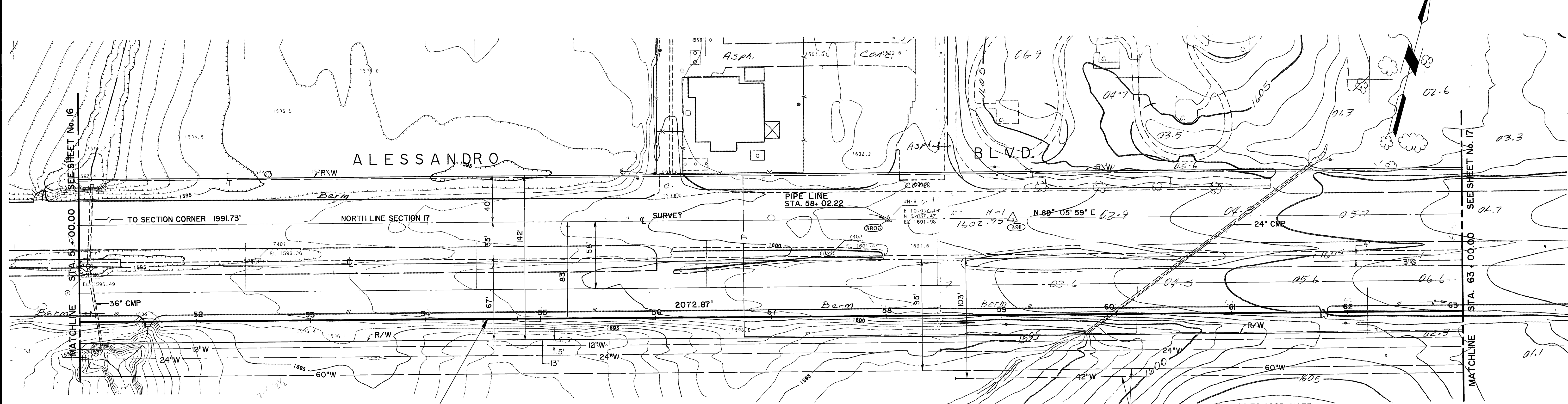
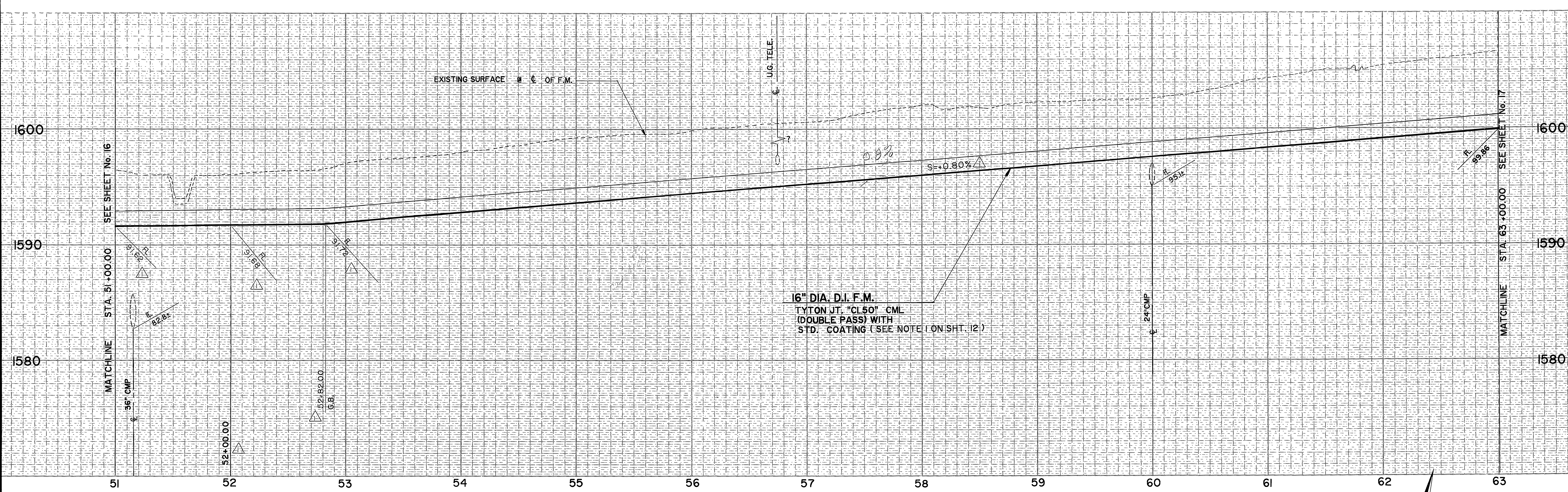
AS BUILT	12/89
REVISIONS	APPR. DATE
DESIGNED BY	DRAWN BY
CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *William S. Dardun* DATE: 12/89
 PRINCIPAL ENGINEER
 TRAFFIC DIVISION: *[Signature]* DATE: 12/89
 CHIEF P. W. INSPECTOR

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 16" FORCE MAIN ALESSANDRO BLVD.
 STA. 39 + 00.00 TO STA. 51 + 00.00

PROJECT NO. S-1430A
 SHEET 15 OF 37
 FILE NO. 86-9202
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 INDEXED 12-15-89 411



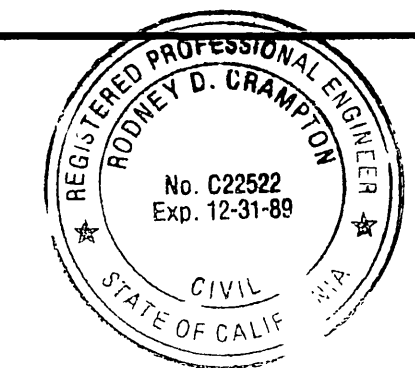
16" DIA. FORCE MAIN

DIGITAL TERRAIN MAP

NOTE: SEWER CONTRACTOR TO COORDINATE CONSTRUCTION OF PROPOSED SEWER FACILITIES WITH THE CONTRACTOR INSTALLING THE 42" AND 60" WATER LINE FOR S.A.W.P.A.

AS BUILT

APPROVED BY: *Roberto Clemente*
DATE: 12-15-89



PREPARED UNDER THE DIRECTION OF:
Roberto Clemente
REGISTERED CIVIL ENGINEER NO. C22522
EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5091



SCALE: BENCH MARK: DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.670
BRASS DISK FLUSH & MARKED V. B. 10-24, 0.8 MI E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 200' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 18' X 18' BOULDER.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *William D. Harber*
PRINCIPAL ENGINEER
TRAFFIC DIVISION
DATE: 4/24/87

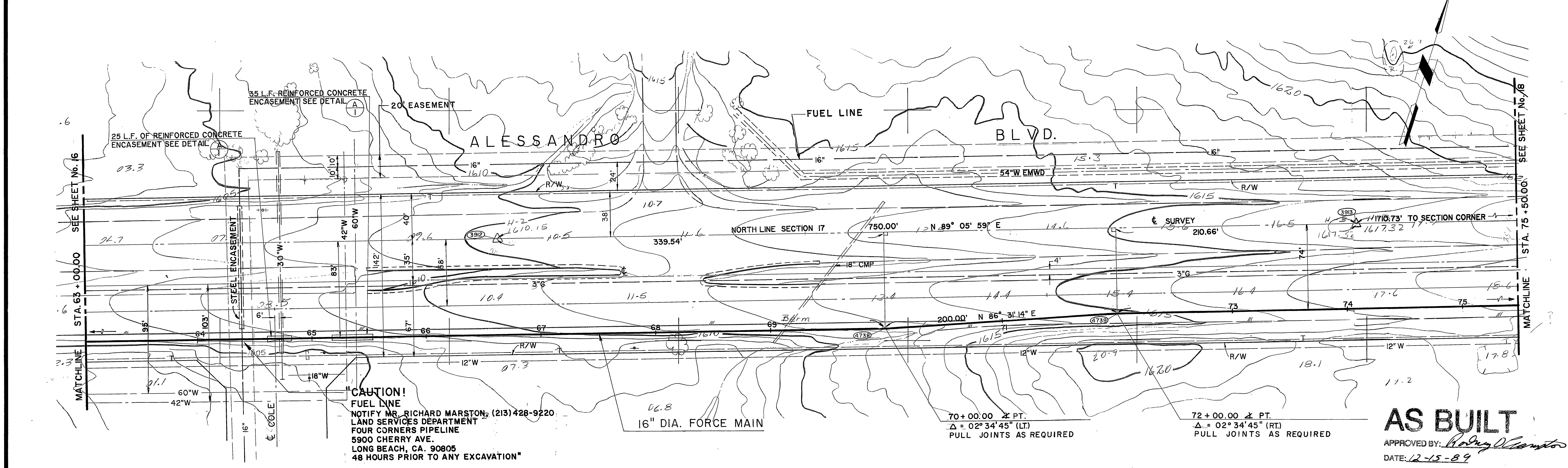
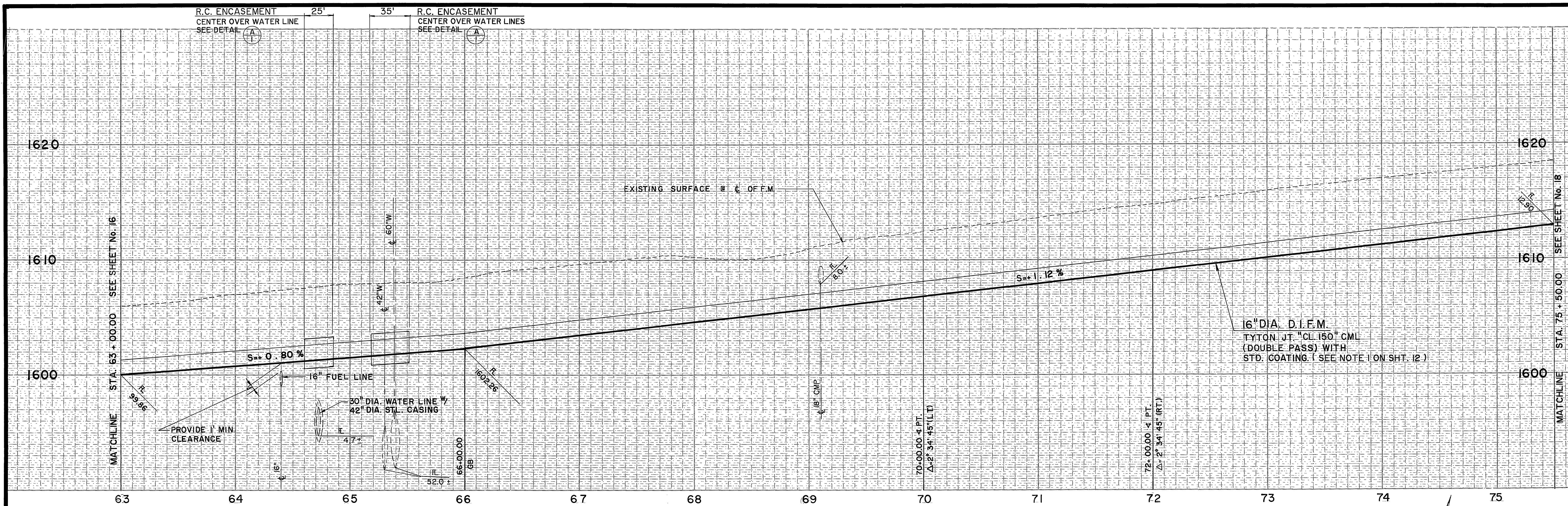
ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER

16" FORCE MAIN ALESSANDRO BLVD.
STA. 51+00.00 TO STA. 63+00.00

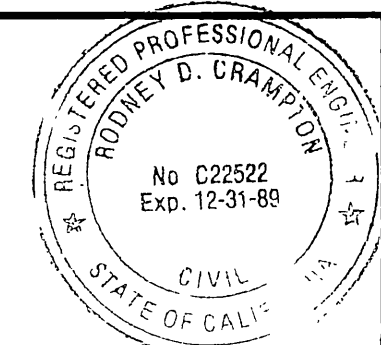
PROJECT NO. **S-1430A**
SHEET **16** OF **37**
FILE NO. 86-9202

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

INDEXED 12-15-89 left



AS BUILT
 APPROVED BY: *Richard Marston*
 DATE: 12-15-89



PREPARED UNDER THE DIRECTION OF:
Richard Marston
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-7-87

J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

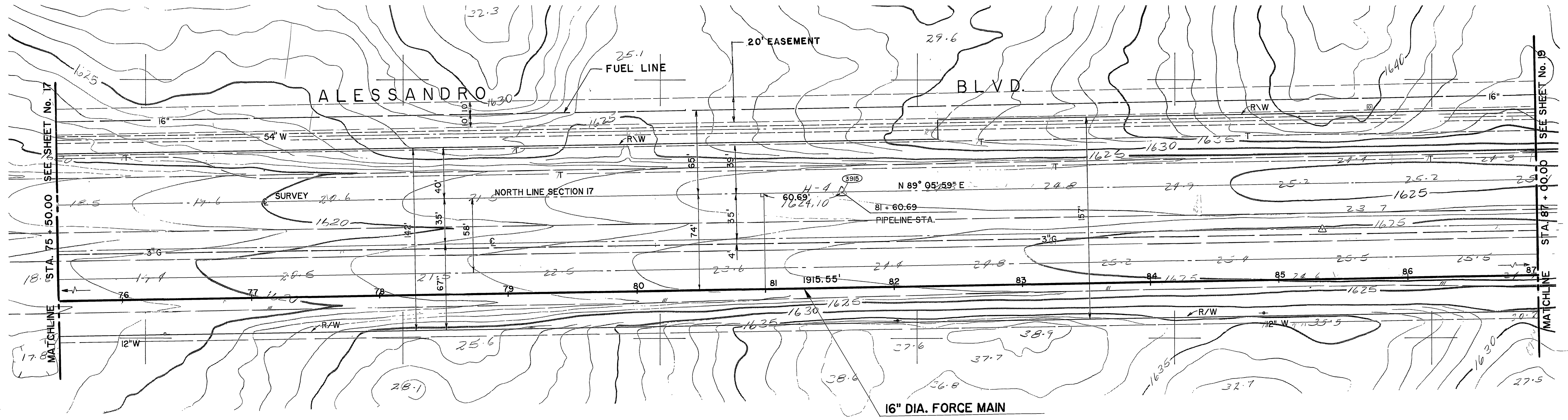
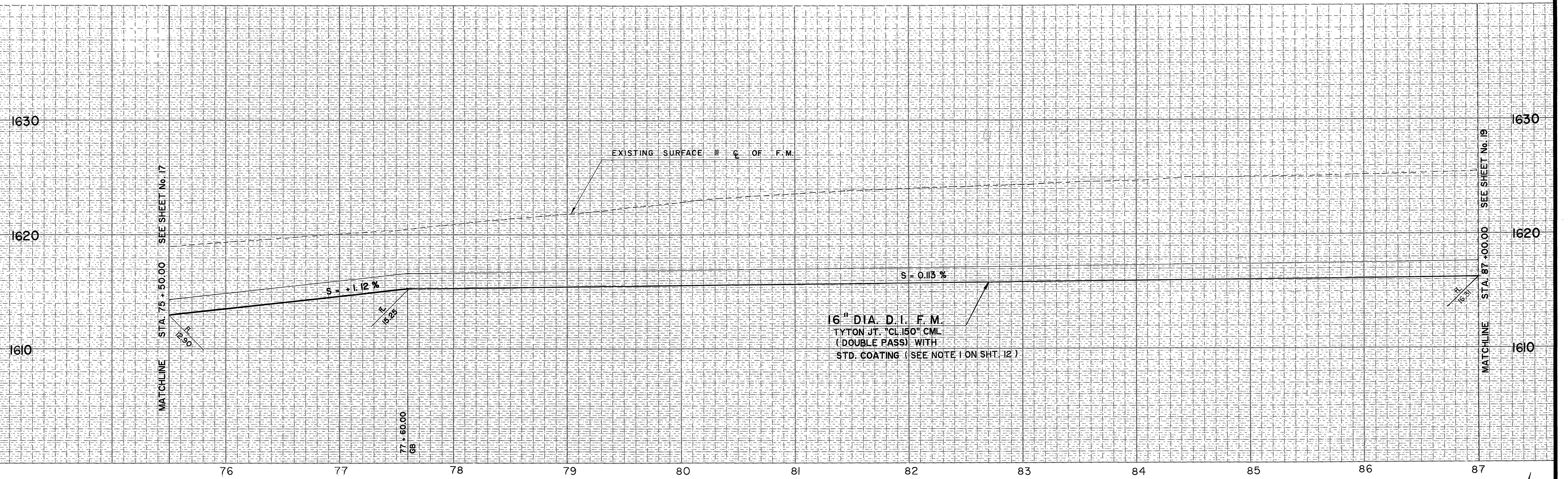
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 BRASS DISK FLUSH & MARKED V. B. 10-64, 0.6 MI. E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 806' N. OF VAN BUREN AT THE GRANITE BOLDER ON TOP OF 3' X 18' X 18' BOLDER.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ BY: _____ DATE: 3-2-87
 PRINCIPAL ENGINEER
 TRAFFIC DIVISION: _____ DATE: 4/24/87
 CHIEF P. W. INSPECTOR

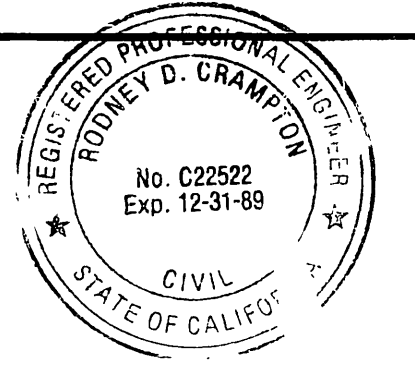
ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 16" FORCE MAIN ALESSANDRO BLVD.
 STA. 63 + 00.00 TO STA. 75 + 50.00
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. _____
S-1430A
 SHEET 17 OF 37
 FILE NO. 86-9202

INDEXED 12-15-87 LHM



AS BUILT
 APPROVED BY: *Robney D. Crampton*
 DATE: 12-15-89



PREPARED UNDER THE DIRECTION OF:
Robney D. Crampton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

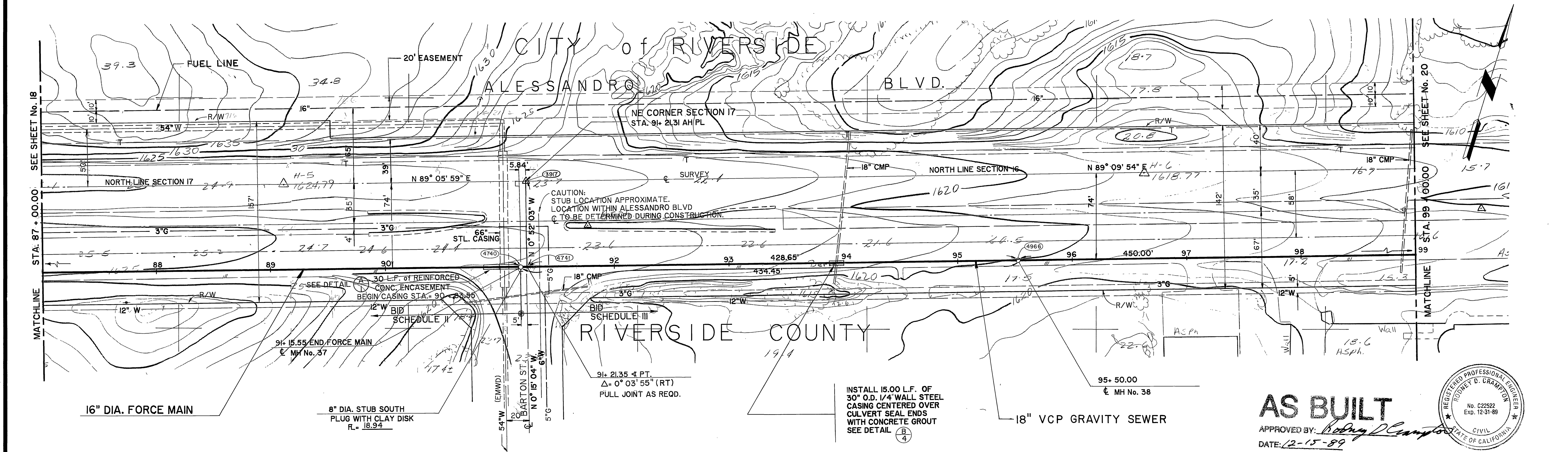
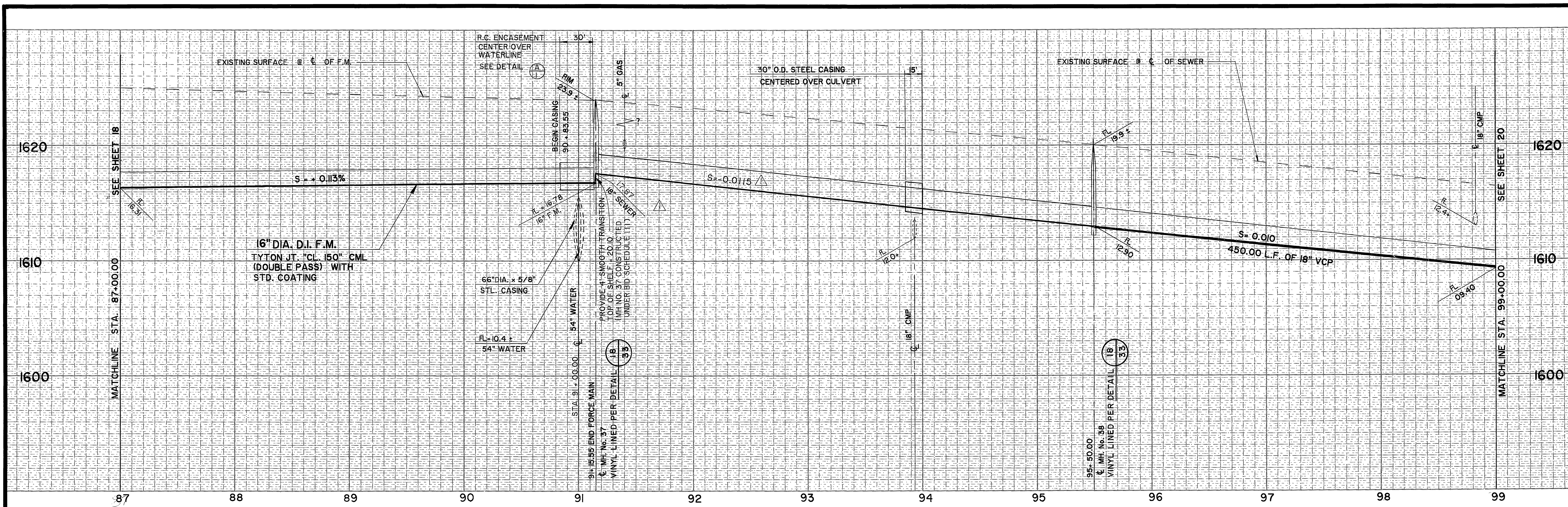
J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691
 SCALE: _____ BENCH MARK: DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.870
 DATE: _____ BRASS DISK FLUSH & MARKED V. B. 10-84, 0.8 MI E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 206' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 16' X 16' BOULDER.

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ BY: *WJC* DATE: 3-2-87
 TRAFFIC DIVISION: _____ DATE: 2-23-87
 CHIEF P. W. INSPECTOR: _____ DATE: 2-23-87

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
 16" FORCE MAIN ALESSANDRO BLVD.
 STA. 75 + 50.00 TO STA. 87 + 00.00
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. _____
S-1430A
 SHEET 18 OF 37
 FILE NO. 86-9202



AS BUILT

APPROVED BY: *Rodney D. Clampton*

DATE: 12-15-89

REGISTERED PROFESSIONAL ENGINEER
RODNEY D. CLAMPTON
No. C22522
Exp. 12-31-88
CIVIL
STATE OF CALIFORNIA

COUNTY OF RIVERSIDE, CALIFORNIA
ROAD DEPARTMENT

APPROVED BY: *Anna L. Baumgardner*
DATE: 2/18/87

COUNTY OF RIVERSIDE, CALIFORNIA
EASTERN MUNICIPAL WATER DISTRICT

APPROVED BY: *Robert J. Ch. Eng.*
DATE: 2-25-87

PREPARED UNDER THE DIRECTION OF:
Rodney D. Clampton
REGISTERED CIVIL ENGINEER NO. C22522
EXPIRATION DATE 12-31-89

J F DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: BENCH MARK: DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.870

BRASS DISK FLUSH & MARKED V. B. 10-84, 0.6 MI. E. ON VAN BUREN BLVD. FROM
N.T. OF VAN BUREN & WOOD RD. 200' N. OF VAN BUREN AT THE GRANITE
BOULDER ON TOP OF 3' X 18' X 18' BOULDER.

JFD ASSOCIATES

AS BUILT

REVISIONS

APPR. DATE: 12/89

DESIGNED BY: DRAWN BY: CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

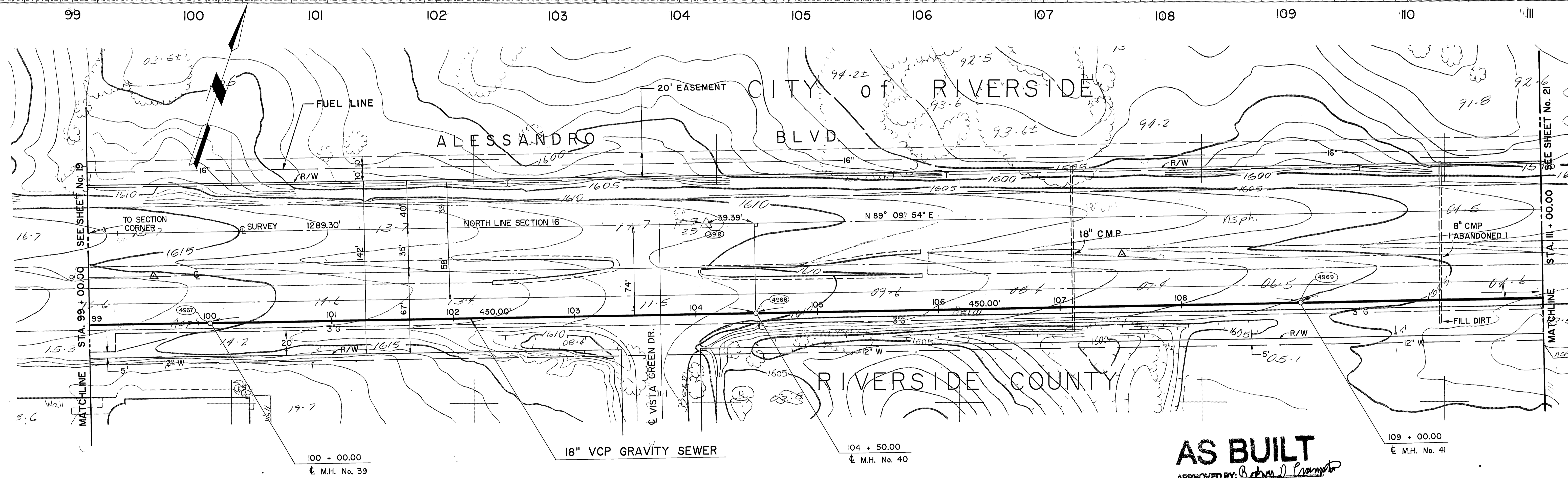
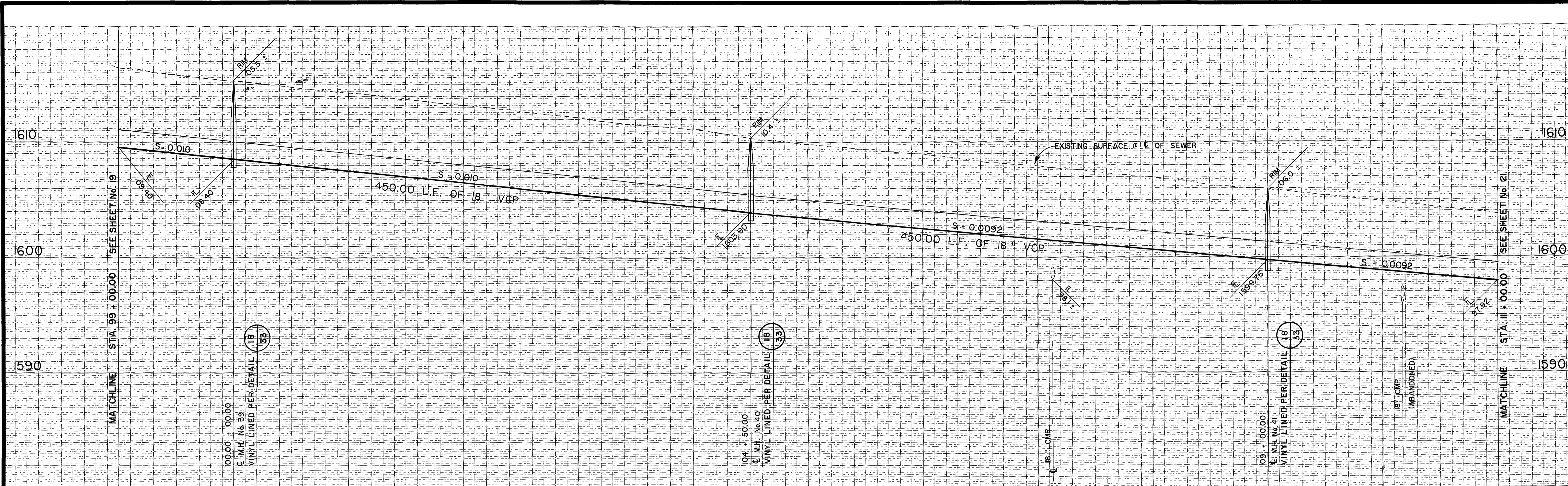
APPROVED BY: *William S. Davidson*
DIRECTOR OF PUBLIC WORKS

DATE: 4/24/87

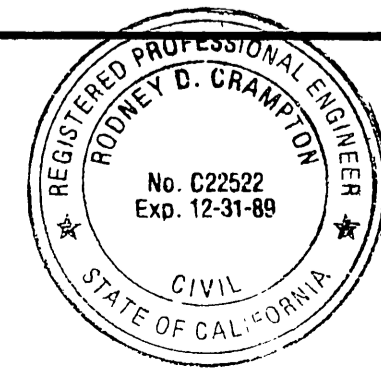
ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
18" GRAVITY SEWER ALESSANDRO BLVD.
STA. 87+00.00 TO STA. 99+00.00

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

PROJECT NO. S-1430A
SHEET 19 OF 37
FILE NO. 86-9202



AS BUILT
 APPROVED BY: *Robey D. Compton*
 DATE: 12/15/89



COUNTY OF RIVERSIDE, CALIFORNIA
 ROAD DEPARTMENT
 APPROVED BY: *J. Bourngate*
 DATE: 2/18/87

PREPARED UNDER THE DIRECTION OF:
Robey D. Compton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

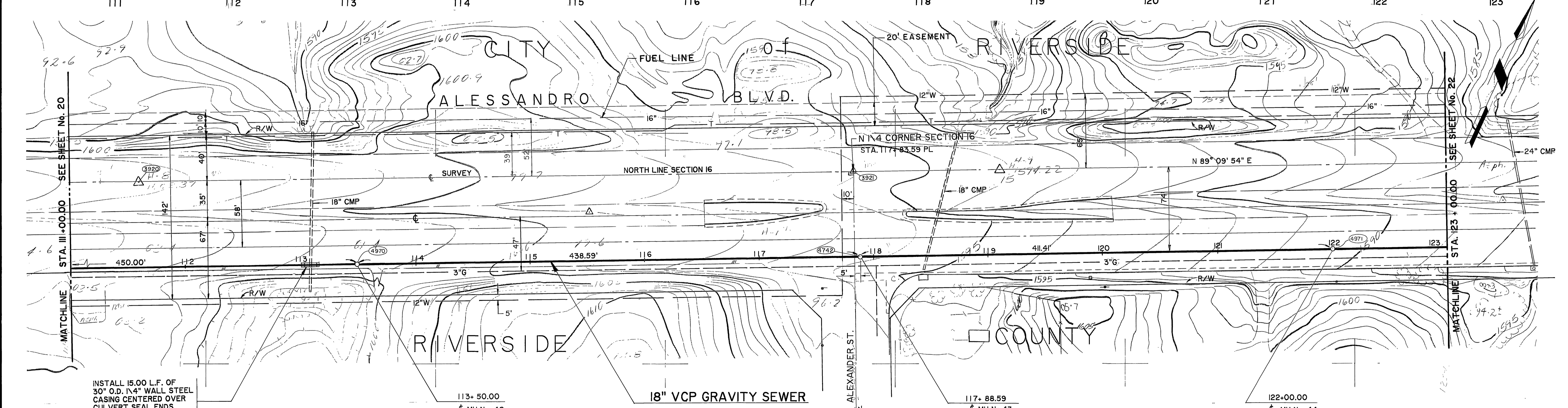
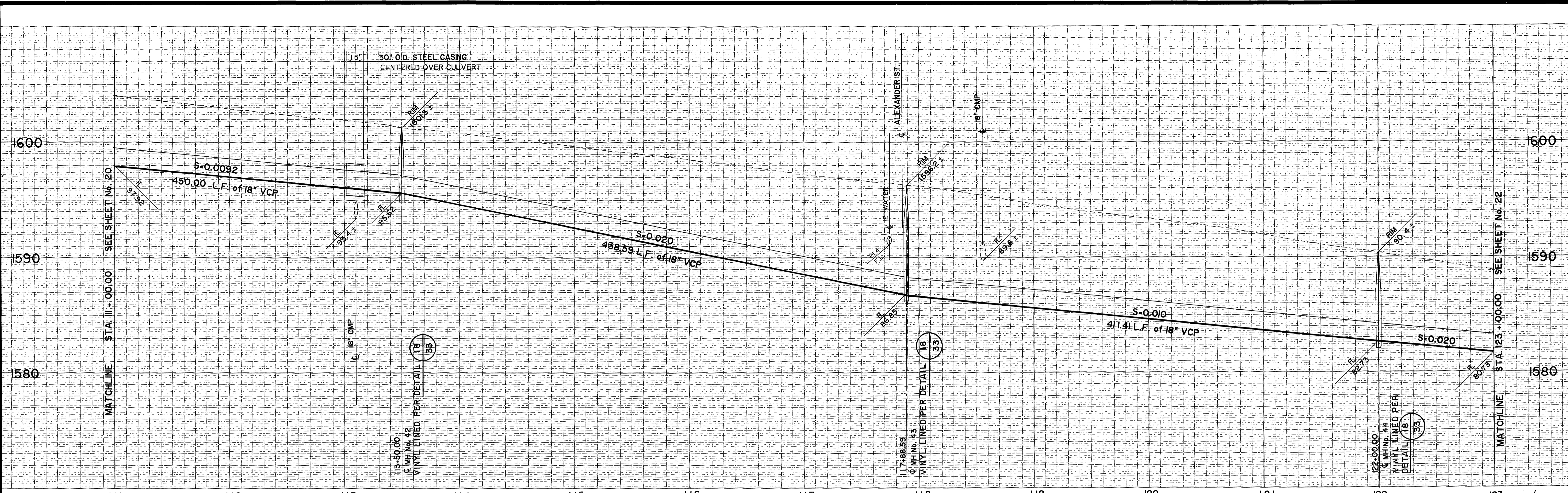
J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691
 SCALE: _____ BENCH MARK: DATE: 07/1 RIVERSIDE COUNTY ELEV. 1700.670
 MARK: _____ REVISIONS: _____ APPR. DATE: _____
 DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____
 DATE: _____
 BRASS DISK FLUSH & MARKED V. B. 10-84, 0.8 MI E. ON VAN BUREN BLVD. FROM
 RT. OF VAN BUREN & WOOD RD. 80FT N. OF VAN BUREN AT THE GRANITE
 BOULDER ON TOP OF 3' X 4' X 10' BOULDER.

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *William S. Anderson*
 DATE: 12-27-89
 TRAFFIC DIVISION: _____
 CHIEF P. W. INSPECTOR: _____
 DATE: 4/24/87

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *William S. Anderson*
 DATE: 12-27-89
 TRAFFIC DIVISION: _____
 CHIEF P. W. INSPECTOR: _____
 DATE: 4/24/87

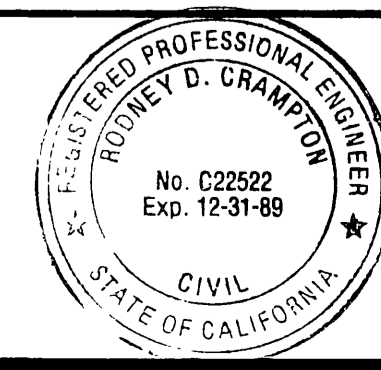
ALESSANDRO BLVD. & WOOD RD.
 TRUNK SEWER
 18" GRAVITY SEWER ALESSANDRO BLVD.
 STA. 99 + 00.00 TO STA. 111 + 00.00
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. S-1430A
 SHEET 20 OF 37
 FILE NO. 86-9202
 INDEXED 12/15/87



INSTALL 15.00 L.F. OF
30" O.D. 1/4" WALL STEEL
CASING CENTERED OVER
CULVERT SEAL ENDS
WITH CONCRETE GROUT
SEE DETAIL (B/4)

AS BUILT
APPROVED BY: *Rodney D. Crampton*
DATE: 12/15/89



COUNTY OF RIVERSIDE, CALIFORNIA
ROAD DEPARTMENT
APPROVED BY: *John J. Braungart*
DATE: 2/11/87

PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
REGISTERED CIVIL ENGINEER NO. C22522
EXPIRATION DATE 12-31-89 DATE: 2-17-87

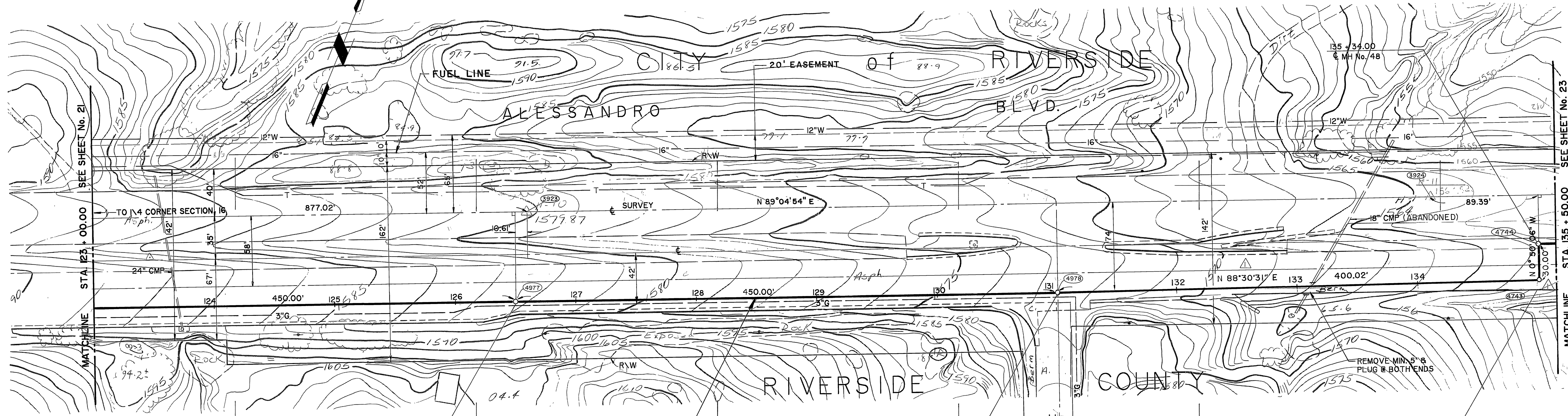
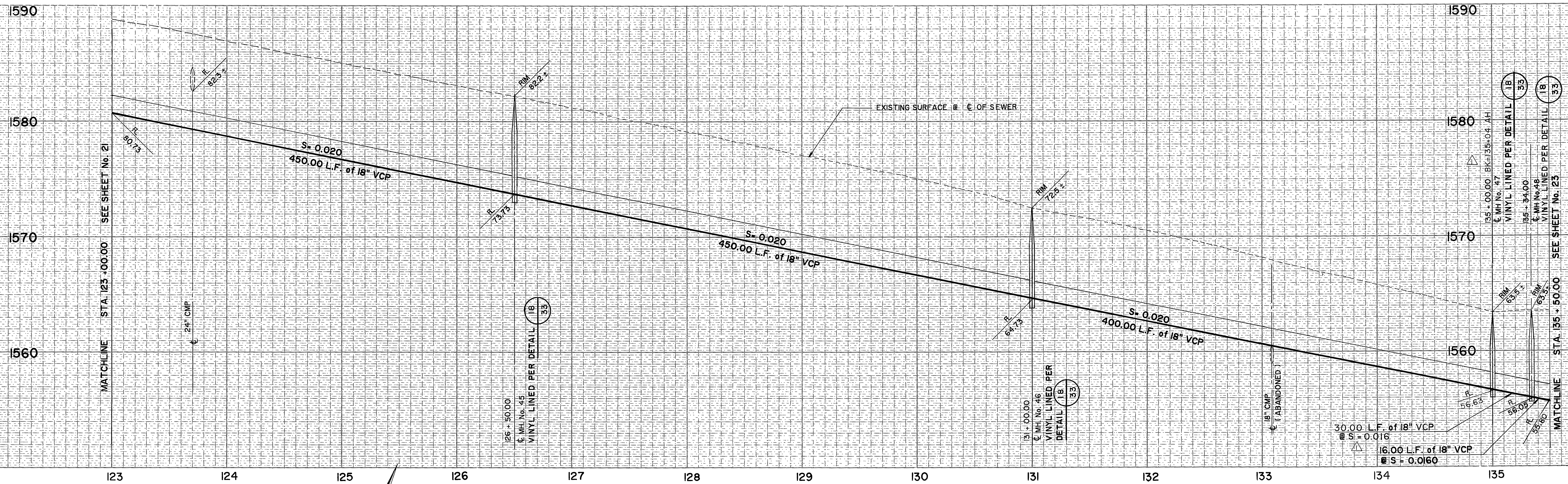
J F DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691
SCALE: BENCH MARK: DATE: 10/71 RIVERSIDE COUNTY ELEV. 1700.670
DATE: BRASS DISK FLUSH & MARKED V. 8, 10-84, 0.8 MI E. ON VAN BUREN BLVD. FROM
HT. OF VAN BUREN & WOOD RD. 200' N. OF VAN BUREN AT THE GRANITE
BOULDER ON TOP OF 3' X 18' X 18' BOULDER.

JFD ASSOCIATES
MARK: REVISIONS: APPR. DATE: DESIGNED BY: DRAWN BY: CHECKED BY: *WJ*

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *William D. Davidson*
DIRECTOR OF PUBLIC WORKS
DATE: 4/24/87

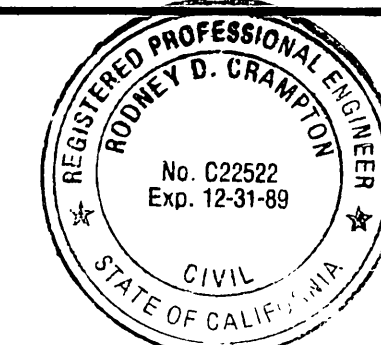
ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
18" GRAVITY SEWER ALESSANDRO BLVD.
STA. 111+00.00 TO STA. 123+00.00
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. S-1430A
SHEET 21 OF 37
FILE NO. 86-9202



AS BUILT

APPROVED BY: *Rodney D. Cranton*
DATE: 12/15/89



COUNTY OF RIVERSIDE, CALIFORNIA
ROAD DEPARTMENT
APPROVED BY: *Anna F. Baumgartel*
DATE: 2/18/87

PREPARED UNDER THE DIRECTION OF:
Rodney D. Cranton
REGISTERED CIVIL ENGINEER NO. C22522
EXPIRATION DATE 12-31-89 DATE: 2-17-87

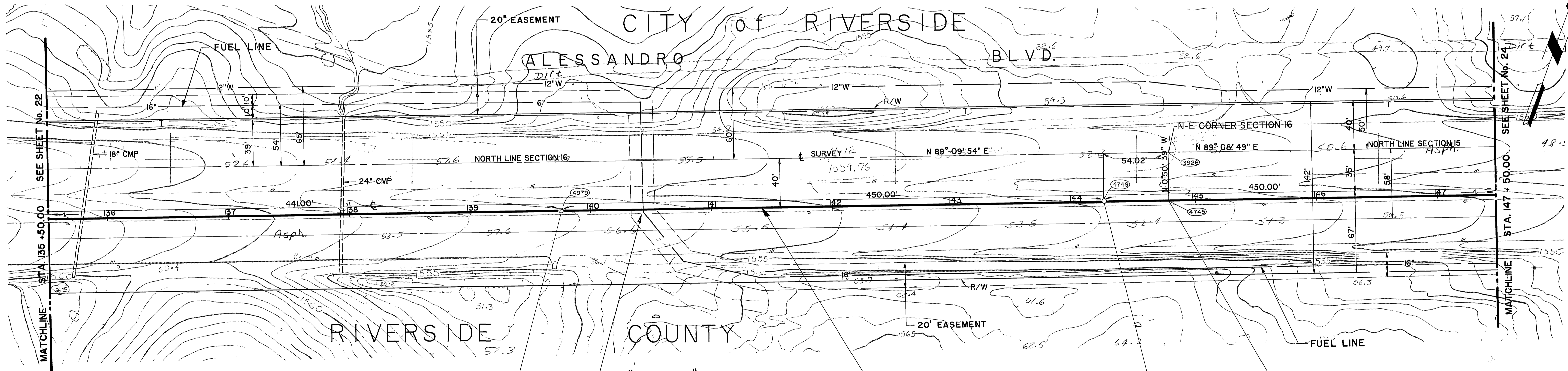
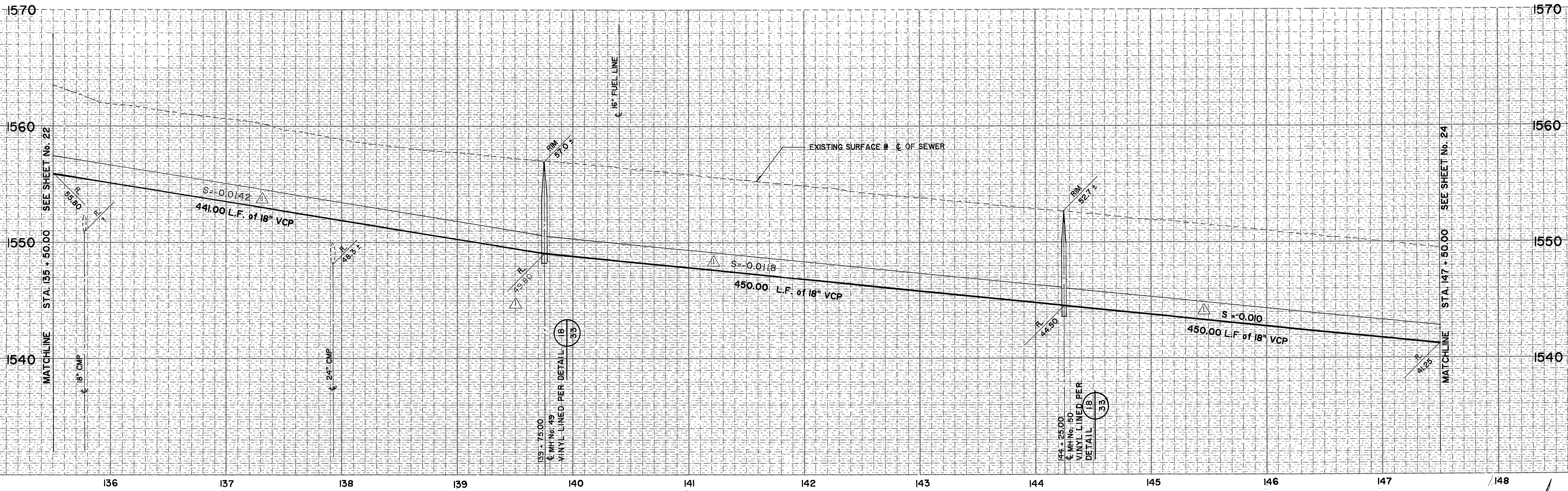
J F DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. IRL VERNON AVE., #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691
SCALE: BENCH MARK: DATE: 10/71 RIVERSIDE COUNTY ELEV. 1700.870
BRASS DISK FLUSH & MARKED V. B. 10-84, 0.8 M E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. CORNER N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 18' X 18' BOULDER.

AS BUILT
REVISIONS
DESIGNED BY: DRAWN BY: CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *William D. Gardner*
PRINCIPAL ENGINEER DATE: 3-2-87
DIRECTOR OF PUBLIC WORKS
DATE: 4/24/87

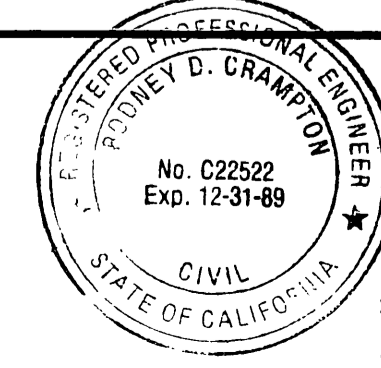
ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
18" GRAVITY SEWER ALESSANDRO BLVD.
STA. 123 + 00.00 TO STA. 135 + 50.00
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. S-1430A
SHEET 22 OF 37
FILE NO. 86-9202



"CAUTION!"
 FUEL LINE
 NOTIFY MR. RICHARD MARSTON, (213) 428-9220
 LAND SERVICES DEPARTMENT
 FOUR CORNERS PIPELINE
 5900 CHERRY AVE.
 LONG BEACH, CA. 90805
 48 HOURS PRIOR TO ANY EXCAVATION"

AS BUILT
 APPROVED BY: *Robyn D. Clanton*
 DATE: 12/15/89



COUNTY OF RIVERSIDE, CALIFORNIA
 ROAD DEPARTMENT
 APPROVED BY: *Elmer F. Baumgartner*
 DATE: 2/18/87

PREPARED UNDER THE DIRECTION OF:
Robyn D. Clanton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

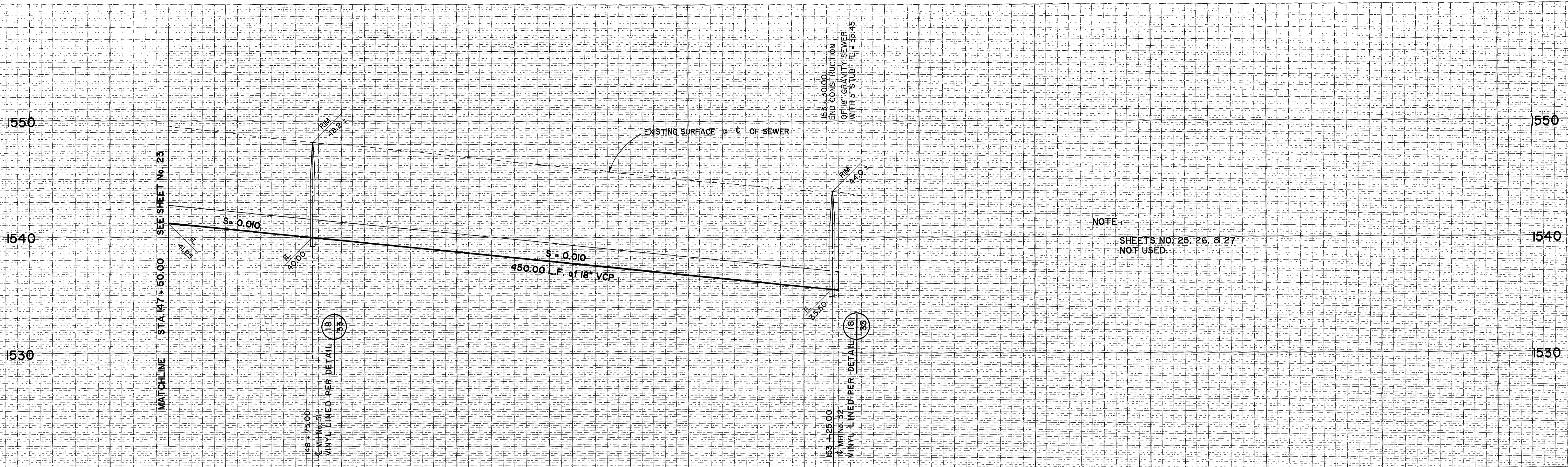
J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: _____ BENCH MARK: _____ DATE: 12/89
 MARK: AS BUILT
 DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____

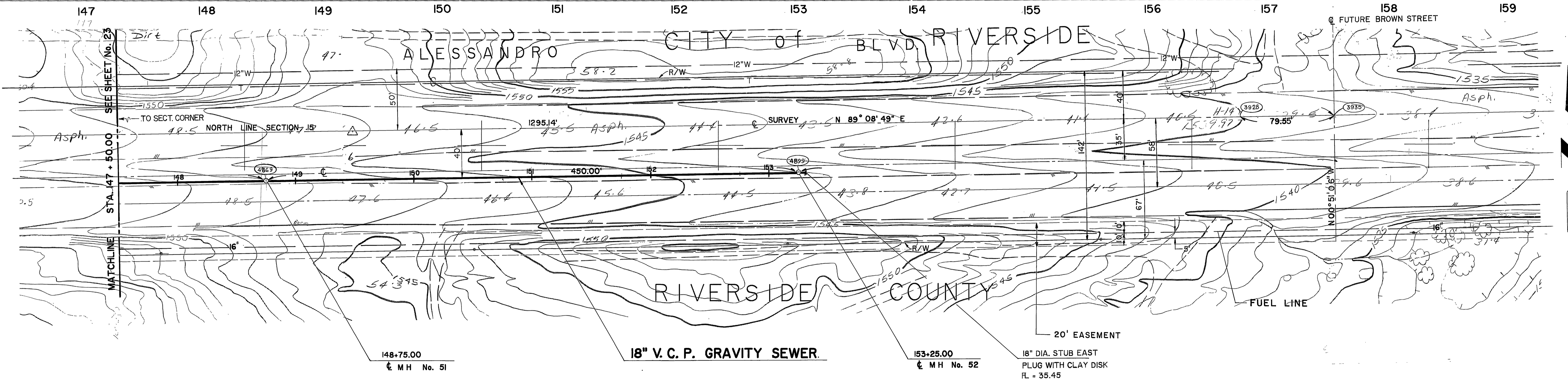
CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ DATE: 2-2-87
 TRAFFIC DIVISION: _____ DATE: 2-2-87
 CHIEF P. W. INSPECTOR: _____ DATE: 2-2-87

ALESSANDRO BLVD. & WOOD RD.
 TRUNK SEWER
 18" GRAVITY SEWER ALESSANDRO BLVD.
 STA. 135 + 50.00 TO STA. 147 + 50.00
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

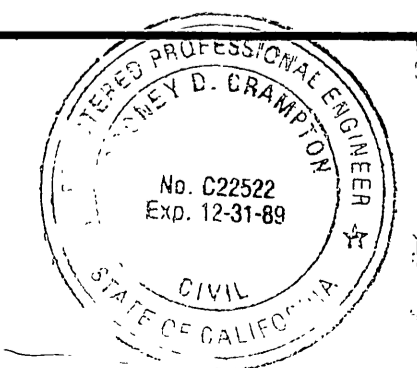
PROJECT NO. S-1430A
 SHEET 23 OF 37
 FILE NO. 86-9202



NOTE:
SHEETS NO. 25, 26, & 27
NOT USED.



AS BUILT
APPROVED BY: *Roberto O. Compton*
DATE: 12/15/87



COUNTY OF RIVERSIDE, CALIFORNIA
ROAD DEPARTMENT
APPROVED BY: *Robert D. Compton*
DATE: 2/18/87

PREPARED UNDER THE DIRECTION OF:
Roberto O. Compton
REGISTERED CIVIL ENGINEER NO. C22522
EXPIRATION DATE 12-31-89 DATE: 2-17-87

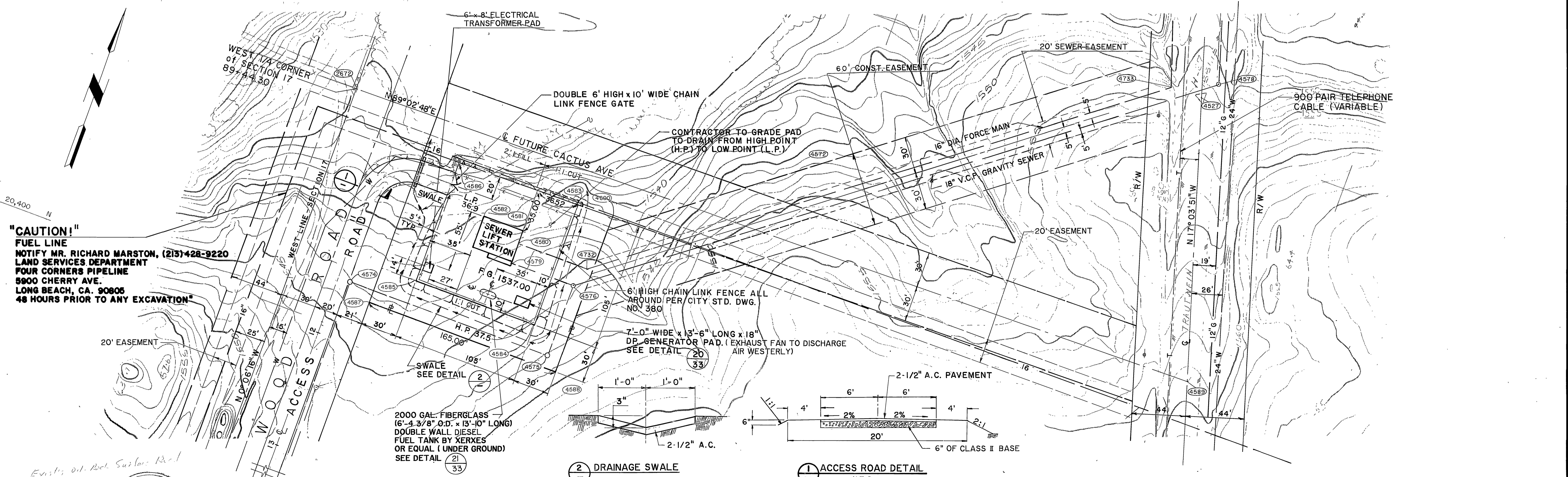
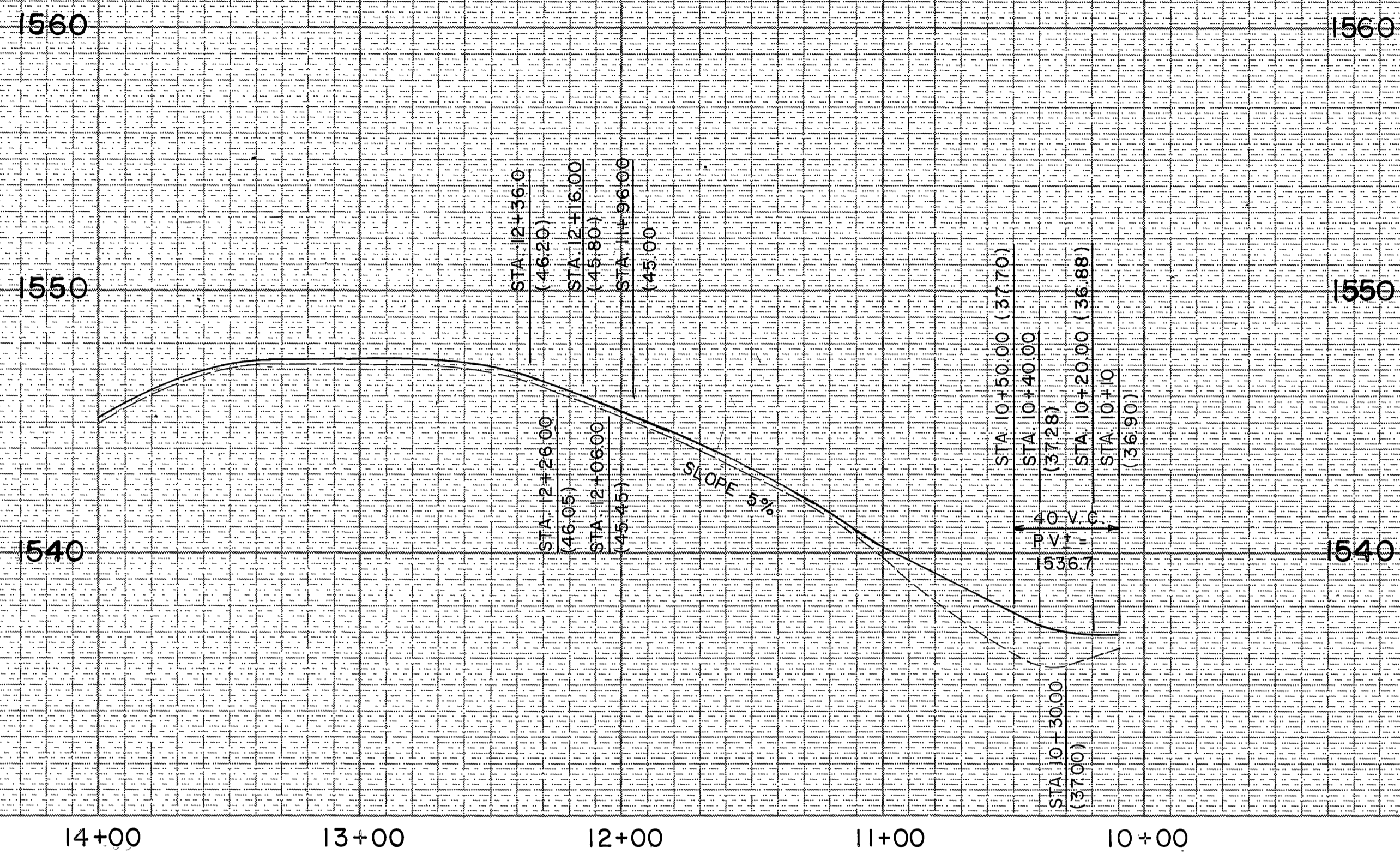
J F DAVIDSON ASSOCIATES, INC.
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RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691
SCALE: _____ BENCH MARK: _____ DATE: 10/71 RIVERSIDE COUNTY ELEV. 1700.870
BRASS DISK FLUSH & MARKED V. B. 10-84, 0.8 MI. E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 206' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 16' X 16' BOULDER.

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

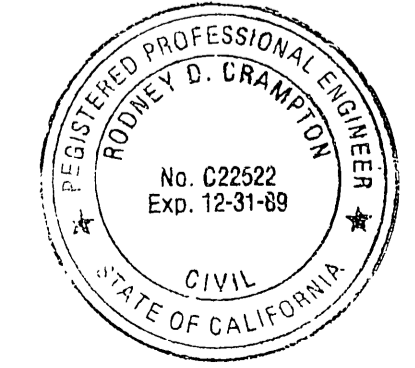
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____ BY: _____ DATE: 2-2-87
PRINCIPAL ENGINEER: _____
TRAFFIC DIVISION: _____ DATE: 2-2-87
CHIEF P. W. INSPECTOR: _____ DATE: 2-2-87

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
18" GRAVITY SEWER ALESSANDRO BLVD.
STA. 147 + 50.00 TO STA. 158 + 50.00
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

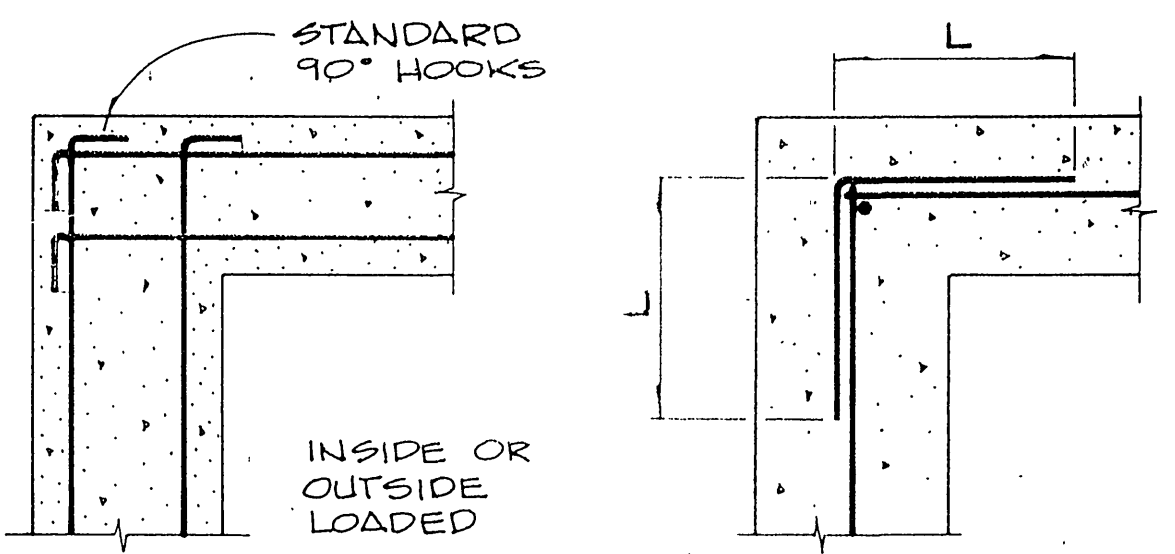
PROJECT NO. _____
S-1430A
SHEET 24 OF 37
FILE NO. 86-9202



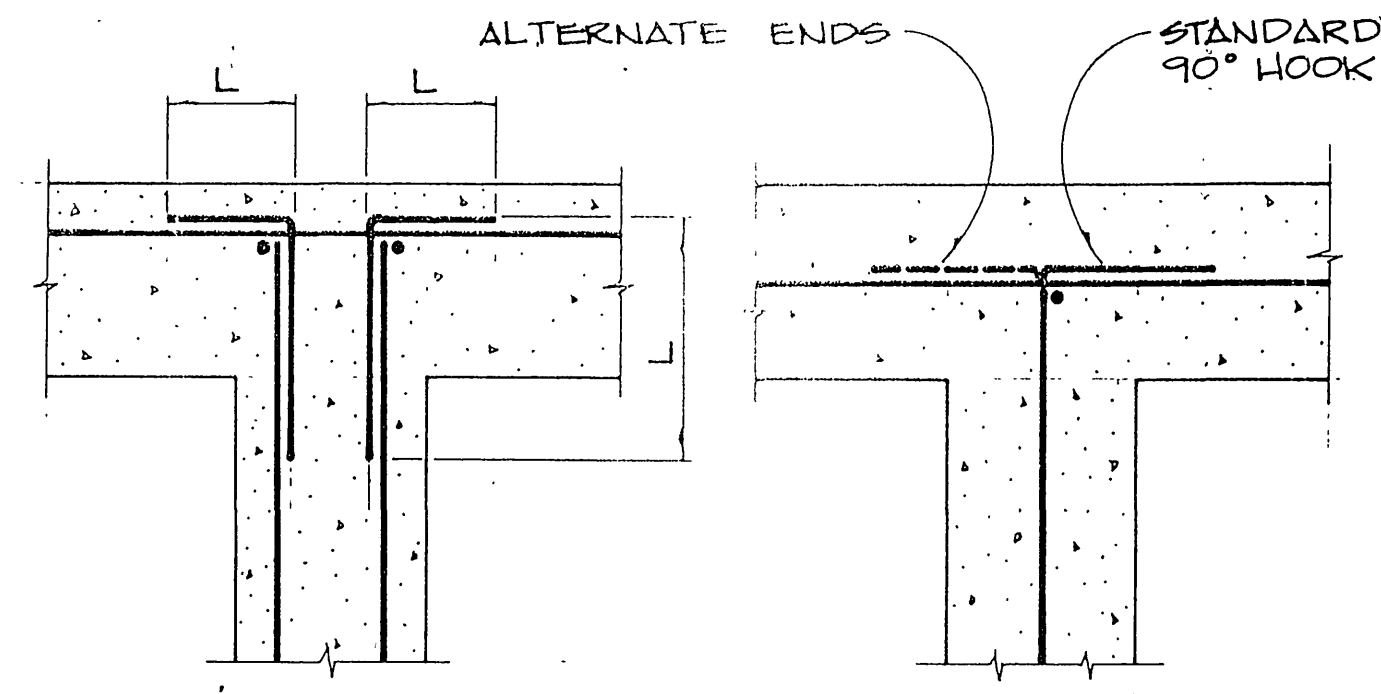
"CAUTION!"
FUEL LINE
 NOTIFY MR. RICHARD MARSTON, (213) 428-9220
 LAND SERVICES DEPARTMENT
 FOUR CORNERS PIPELINE
 5900 CHERRY AVE.
 LONG BEACH, CA. 90806
 48 HOURS PRIOR TO ANY EXCAVATION"



PREPARED UNDER THE DIRECTION OF: <i>Rodney D. Crampton</i> REGISTERED CIVIL ENGINEER NO. C22522 EXPIRATION DATE 12-31-89 DATE: 2-7-87		J F DAVIDSON ASSOCIATES, INC. CIVIL ENGINEERS • SURVEYORS • PLANNERS P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260 (714) 686-0844 (714) 825-1082 (619) 346-5691		CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS APPROVED BY: <i>William D. Anderson</i> CHIEF P. W. INSPECTOR DATE: 4/24/87		ALESSANDRO BLVD. & WOOD RD. TRUNK SEWER SITE GRADING ACCESS ROAD FOR SEWER LIFT STATION		PROJECT NO. S-1430A SHEET 28 OF 37 FILE NO. 86-9202	
SCALE: _____ DATE: _____		BENCH MARK: _____ DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.870 BRASS DISK FLUSH & MARKED V. B. 10-84, 0.6 MI E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 506' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 18' X 18' BOULDER.		MARK: _____ REVISIONS: _____ APPR. DATE: _____ DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____		HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4' INDEXED 12-15-87 4H			

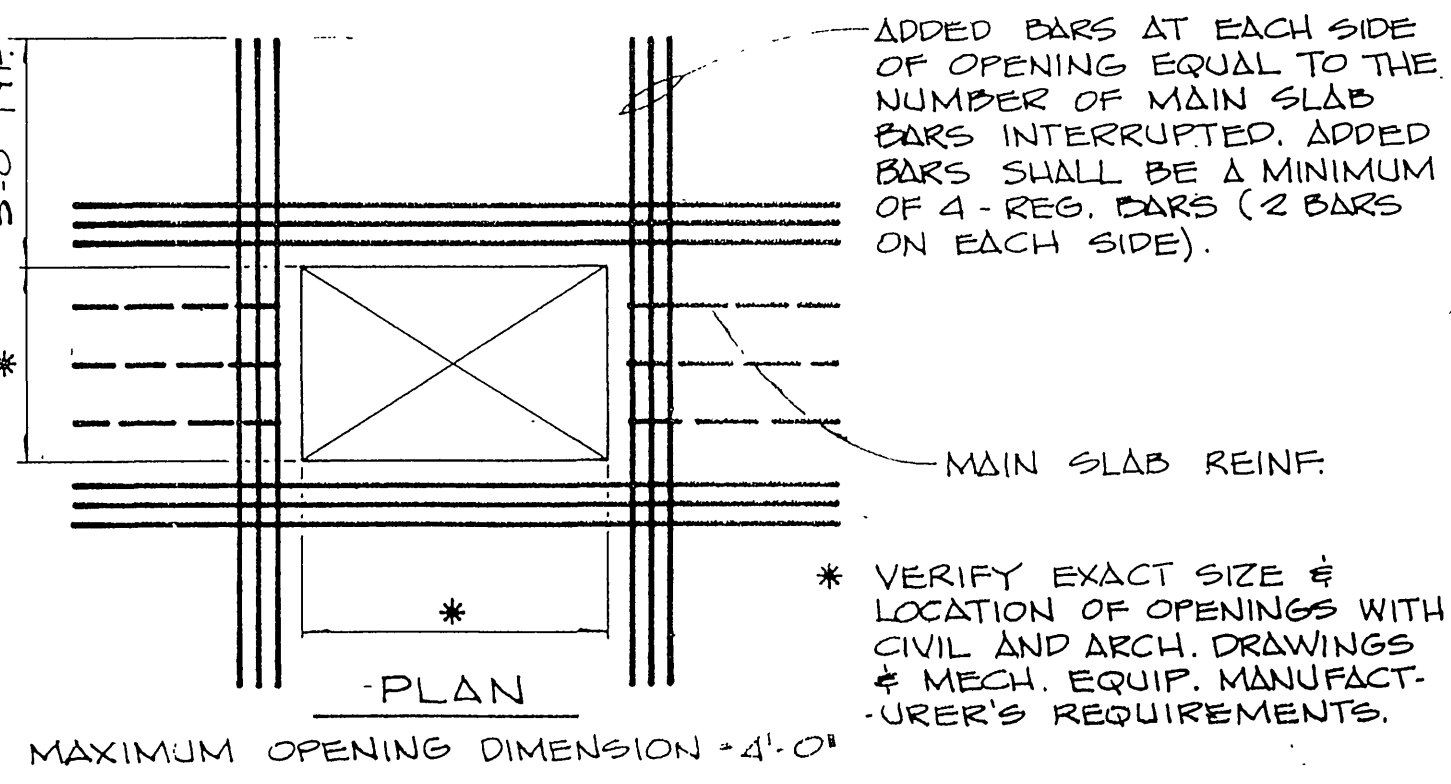


NOTE:
 1. VERTICAL BARS SHOWN AT HOOK ONLY.
 2. SEE ALSO STRUCTURAL DRAWINGS FOR ADDITIONAL CORNER AND INTERSECTION STEEL.
 3. L = 15" FOR #4 BAR L = 30" FOR #7 BAR
 = 18" FOR #5 BAR = 40" FOR #8 BAR
 = 24" FOR #6 BAR = 50" FOR #9 BAR



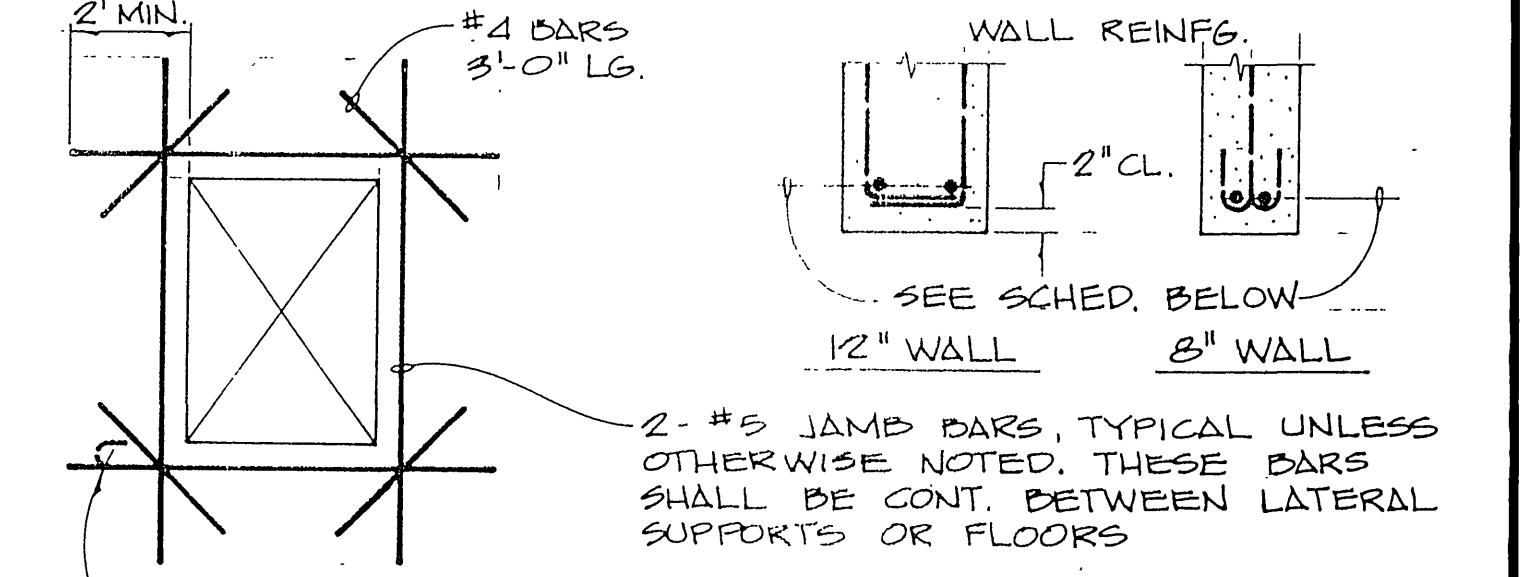
SEE NOTE IN DETAIL 1.

2 FLOOR & WALL CORNER REINFORCING



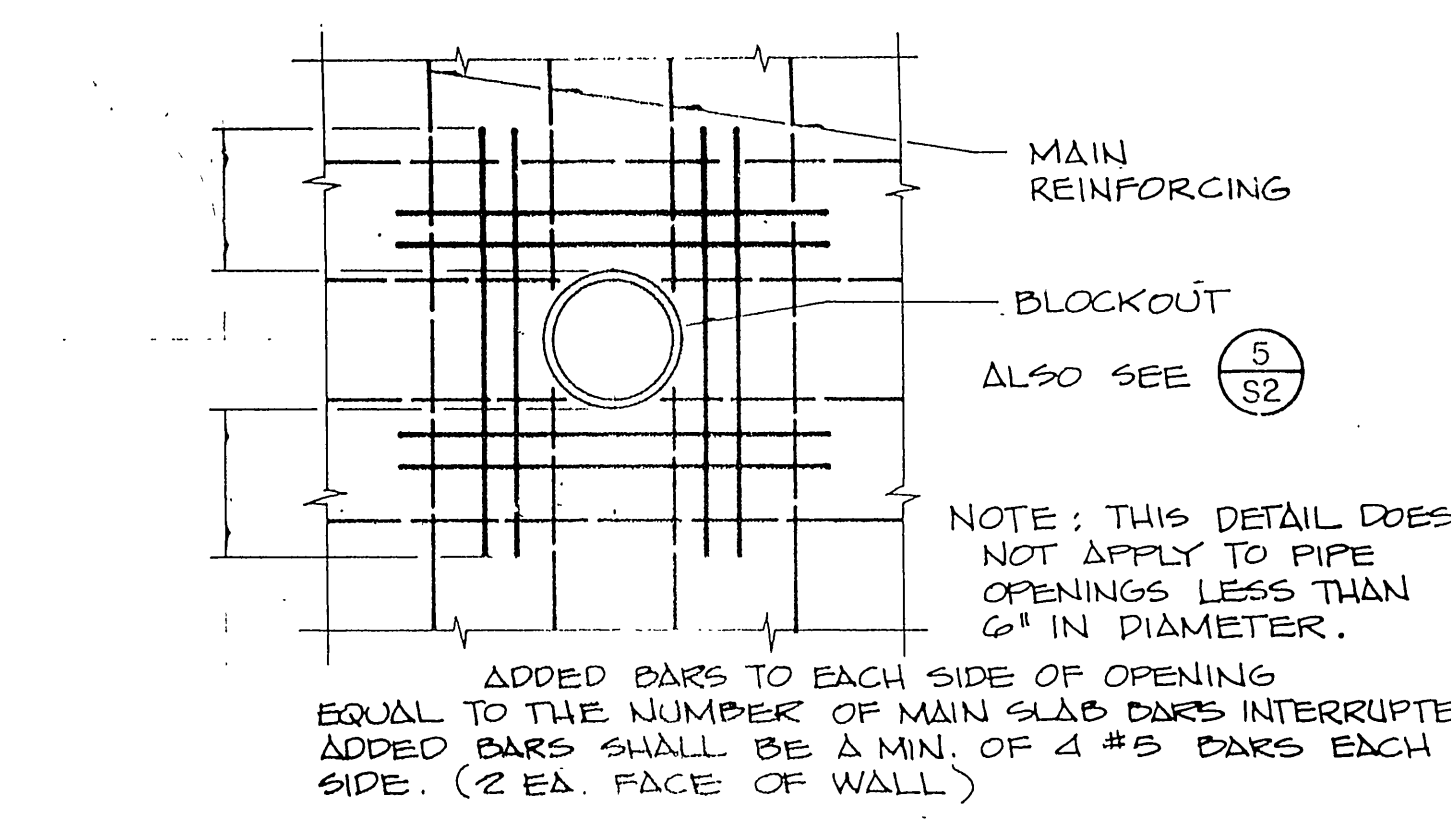
* VERIFY EXACT SIZE & LOCATION OF OPENINGS WITH CIVIL AND ARCH. DRAWINGS & MECH. EQUIP. MANUFACTURER'S REQUIREMENTS.
 * MAXIMUM OPENING DIMENSION = 4'-0"

5 WALL INTERSECTION REINFORCING



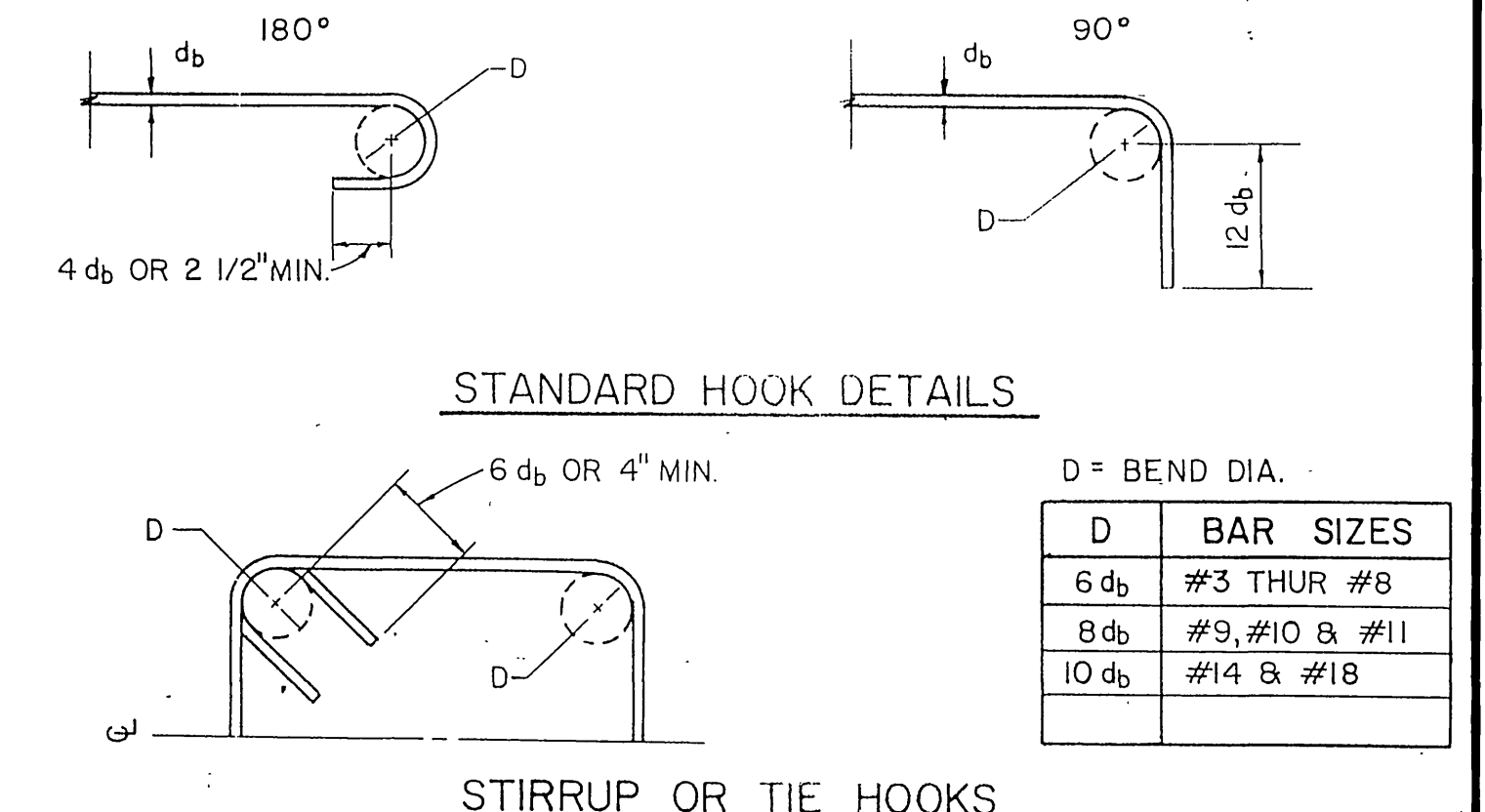
MAX MASONRY OPENING	HEAD & SILL REINFORCING
UP TO 4'-0"	2 - #6
4'-1" TO 7'-0"	2 - #7
7'-1" TO 10'-0"	2 - #8
GREATER THAN 10'-0"	SEE ELEVATIONS

3 SLAB OPENING REINFORCING

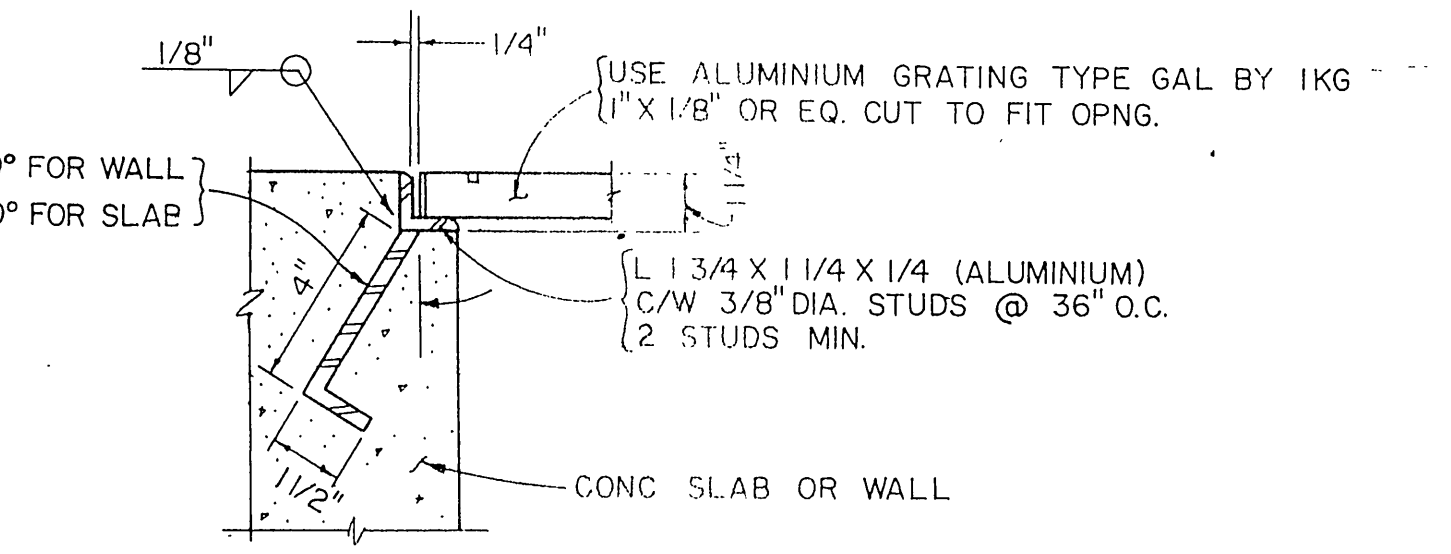


NOTE: THIS DETAIL DOES NOT APPLY TO PIPE OPENINGS LESS THAN 6" IN DIAMETER.
 ADDED BARS TO EACH SIDE OF OPENING EQUAL TO THE NUMBER OF MAIN SLAB BARS INTERRUPTED. ADDED BARS SHALL BE A MIN. OF 4 #5 BARS EACH SIDE. (2 EA. FACE OF WALL)

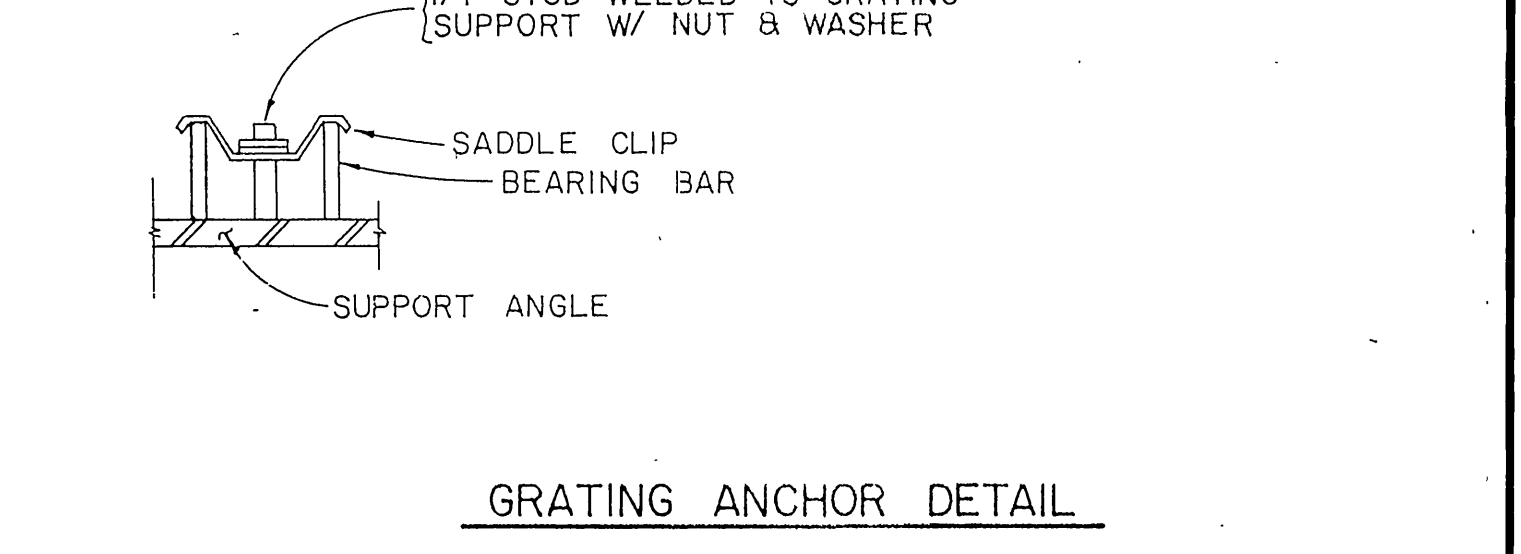
6 WALL OPENING REINFORCING



4 PIPE THROUGH CONCRETE



7 REBAR BENDING



PROVIDE 4 CLIPS PER GRATING PANEL, APPROX. 4" FROM PANEL CORNERS MAX. CLIP SPACING AT 36" O.C. STUD, NUT, WASHER AND CLIP TO BE OF SAME MATERIAL AS THE GRATING

8 GRATING & SUPPORT

GENERAL NOTES:

GENERAL CONSTRUCTION

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE AND TO CROSS CHECK DETAILS AND DIMENSIONS SHOWN ON THE CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS. FLOOR AND WALL OPENINGS, SLEEVES, VARIATIONS IN THE STRUCTURAL SLAB ELEVATIONS AND OTHER CIVIL, MECHANICAL, OR ELECTRICAL REQUIREMENTS MUST BE COORDINATED BEFORE THE CONTRACTOR PROCEEDS WITH CONSTRUCTION.
- IN ALL CASES WHERE A CONFLICT MAY OCCUR, SUCH AS ITEMS COVERED BY SPECIFICATIONS OR NOTES ON THE DRAWINGS OR BETWEEN GENERAL NOTES AND SPECIFIC DETAILS, THE CIVIL ENGINEER SHALL BE NOTIFIED; AND HE WILL INTERPRET THE INTENT OF THE CONTRACT DOCUMENTS.
- IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON STRUCTURAL DRAWINGS.
- THE DETAILS ON DRAWING S-1 AND S-2 SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY DETAILED OR NOTED OTHERWISE. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION ON THIS PROJECT.
- WALL AND FLOOR OPENINGS AS REQUIRED BY CIVIL, MECHANICAL, ELECTRICAL, OR SIMILAR REQUIREMENTS AS WELL AS EQUIPMENT INSTALLATION SHALL BE VERIFIED BY SHOP DRAWINGS, EQUIPMENT DATA, ETC., AS REQUIRED.
- STRUCTURES HAVE BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURES. DURING CONSTRUCTION, THE STRUCTURES SHALL BE PROTECTED BY BRACING AND BALANCING WHEREVER EXCESSIVE CONSTRUCTION LOADS MAY OCCUR.
- WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE UNIFORM BUILDING CODE AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND ADDENDA.

FOUNDATIONS

- ALL FOOTINGS SHALL EXTEND 12" MINIMUM INTO FIRM NATURAL MATERIAL UNLESS OTHERWISE NOTED ON THE PLANS.

REINFORCING STEEL

- ALL REINFORCING STEEL SHALL BE GRADE 60 CONFORMING TO ASTM A-615. DEFORMATION SHALL BE IN ACCORDANCE WITH ASTM A-305.
- ALL DETAILING, FABRICATION AND PLACING OF REINFORCING BARS, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI-315, LATEST EDITION.
- REINFORCING MARKED "CONTINUOUS" AND TEMPERATURE REINFORCING OF WHICH THE LAP LENGTH HAS NOT BEEN SPECIFIED MAY BE SPLICED WITH A LAP AS INDICATED ON NOTE 3 OF DETAIL 2, HEREON. ALL OTHER LAPS REQUIRED SHALL BE AS SHOWN ON THE DRAWINGS OR AS APPROVED BY THE ENGINEER.
- UNLESS OTHERWISE SHOWN, ASIDE FROM NORMAL ACCESSORIES USED TO HOLD REINFORCING BARS FIRMLY IN POSITION, THE FOLLOWING SHALL BE ADDED:
 - IN SLAB: #4 MIN RISER BARS AT 48 INCHES O.C. MAX. TO SUPPORT TOP REINFORCING BARS.
 - IN WALLS: WITH 2 CURTAINS #3 U OR Z SHAPE SPACERS AT 6 FEET O.C. EACH WAY.
- METAL CLIPS OR SUPPORTS SHALL NOT BE PLACED IN CONTACT WITH THE FORMS OR THE SUBGRADE. CONCRETE BLOCKS (OR DOBBIES) SUPPORTING BARS ON SUBGRADE SHALL BE IN SUFFICIENT NUMBERS TO SUPPORT THE BARS WITHOUT SETTLEMENT, BUT IN NO CASE SUCH SUPPORT SHALL BE CONTINUOUS.
- DOWELS SHALL BE WIRED OR OTHERWISE HELD IN POSITION. THEY SHALL NOT BE PLACED INTO FRESHLY POURED CONCRETE.
- REINFORCING BARS AND ACCESSORIES SHALL NOT BE PLACED IN CONTACT WITH ANY PIPE, PIPE FLANGE, OR METAL PARTS EMBEDDED IN CONCRETE. A MINIMUM OF 2 INCHES CLEARANCE SHALL BE PROVIDED AT ALL TIMES.
- CERTIFICATION AND TESTING OF REINFORCED STEEL SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF ASTM STANDARDS. THE CONTRACTOR SHALL SUPPLY SUCH CERTIFICATION TO THE ENGINEER PRIOR TO PLACEMENT OF ANY REINFORCEMENT.
- UNLESS OTHERWISE SHOWN ON DRAWINGS, ALL REINFORCING SHALL HAVE THE FOLLOWING CONCRETE COVER:
 - SLABS OR WALLS (SURFACES EXPOSED TO THE WEATHER OR IN CONTACT WITH EARTH OR WATER) 2"
 - WALL (UNEXPOSED, INTERIOR) 1 1/2"
 - BEAMS AND COLUMNS (MAIN REINF.) 2"
 - SLABS (UNEXPOSED INTERIOR) 1 1/2"
 - SURFACES DEPOSITED DIRECTLY AGAINST EARTH 3"
 - SURFACES DEPOSITED DIRECTLY AGAINST EARTH (FORMED) 2"
- USE "LOW HYDROGEN" ELECTRODES FOR ALL WELDING ON REINF. STEEL.

STRUCTURAL STEEL

- STEEL CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS AS CONTAINED IN THE LATEST EDITION OF THE AISC STEEL CONSTRUCTION MANUAL.
- ALL STRUCTURAL SHAPES, BARS, PLATES, AND SHEETS SHALL MEET ASTM A-36 SPECIFICATIONS.
- ALL WELDING SHALL BE BY THE SHIELDED ARC METHOD AND SHALL CONFORM TO AWS CODE FOR ARC AND GAS WELDING. QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR STANDARD QUALIFICATIONS PROCEDURE OF AWS.
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
- ALL EXPOSED METAL WORK SHALL BE GALVANIZED AS PER SPECIFICATIONS AFTER FABRICATION, UNLESS OTHERWISE NOTED.

MASONRY

- CONCRETE BLOCK MASONRY SHALL BE NORMAL WEIGHT, HOLLOW UNITS CONFORMING TO ASTM C-90, GRADE N-1 SIZE OF UNITS, COLOR, AND TEXTURE SHALL BE AS PER SPECIFICATIONS.
- ALL CELLS OF MASONRY CONCRETE BLOCK SHALL BE GROUTED UNLESS OTHERWISE NOTED ON DRAWINGS.
- BAR SPLICES SHALL BE 40 BAR DIAMETER UNLESS OTHERWISE NOTED.
- MORTAR SHALL BE IN ACCORDANCE WITH TABLE 24-A OF U.B.C. TYPE M AND SHALL HAVE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2500 PSI. GROUT SHALL BE IN ACCORDANCE WITH PARA. 2403 (D) OF U.B.C. AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

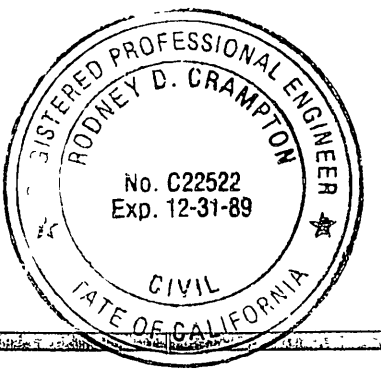
WOOD

- ALL HORIZONTAL LOAD CARRYING MEMBERS AND POSTS SHALL BE NO. 1 (GRADE DOUGLAS FIR OR LARCH (EXCEPT AS NOTED)).
- STUDS, PLATES, SILLS, AND BLOCKING TO BE CONSTRUCTION GRADE DOUGLAS FIR, OR BETTER.
- SILLS UNDER BEARING AND NON-BEARING STUD PARTITIONS SHALL BE PRESSURE TREATED DOUGLAS FIR BOLTED TO CONCRETE WITH 5/8" DIA X 10" ANCHOR BOLTS SPACED NOT MORE THAN 4'-0" O.C. UNLESS NOTED OTHERWISE, THERE SHALL BE ONE BOLT WITHIN 9" OF EACH END OF ALL SILL PLATE, MINIMUM 2 BOLTS PER PIECE.
- BRIDGING SHALL BE PROVIDED AS PER CODE.
- FRAMING MEMBERS SHALL NOT BE NOTCHED IN ANY MANNER EXCEPT WHERE SPECIFICALLY DETAILED OR APPROVED BY THE ENGINEER.
- MINIMUM NAILING FOR ALL WOOD MEMBERS SHALL BE PER CODE UNLESS SPECIFICALLY NOTED.
- STRUCTURAL PLYWOOD SHALL BE C-DX (24/0) IN CONFORMANCE WITH UBC STANDARD NO. 25-9 AND OF THICKNESS AS NOTED ON PLANS.
- EDGES OF ALL OPENINGS THROUGH THE ROOF SHALL BE NAILED PER BOUNDARY OF PLYWOOD DIAPHRAGM NAILING REQUIREMENTS.
- JOIST HANGERS AND OTHER CONNECTORS SHALL BE SIMPSON TYPE, OR EQUAL.

CONCRETE

- ALL STRUCTURAL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS.
- ALL KEYWAYS IN CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED TO OBTAIN MAXIMUM BONDING.
- THE LOCATION OF ALL CONSTRUCTION JOINTS NOT SPECIFICALLY NOTED OR SHOWN SHALL BE APPROVED BY THE CIVIL OR STRUCTURAL ENGINEER.
- ALL WATER HOLDING STRUCTURES SHALL REQUIRE WATER STOPS AT ALL CONSTRUCTION AND EXPANSION JOINTS, EXCEPT AT JOINTS ONLY COMMON TO WATER HOLDING STRUCTURES.
- DOWELS, PIPES, WATER STOPS, AND OTHER INSTALLED MATERIALS OR ACCESSORIES SHALL BE HELD SECURELY IN POSITION WHILE CONCRETE IS BEING PLACED.
- ALL EXPOSED CORNERS AND EDGES OF SLABS, WALLS, AND COLUMNS SHALL HAVE TOOLED EDGES OR 3/4" CHAMFER.
- CONCRETE SHALL HAVE THE FOLLOWING ULTIMATE COMPRESSIVE STRENGTH AFTER 28 DAYS: 4000 PSI FOR ALL REINFORCED CONCRETE CONSTRUCTION (CLASS "A"); 3000 PSI FOR ALL PIPE ENCASUREMENT (CLASS "B"); 2000 PSI FOR CONCRETE BACKFILLING AND PLAIN CONCRETE (CLASS "C").
- CEMENT CONTENTS FOR 4000, 3000, AND 2000 PSI CONCRETE SHALL NOT BE LESS THAN 6.2, 5.5, AND 5.0 SACKS OF CEMENT (94 LB. SACK) PER C.Y. RESPECTIVELY (FOR SULPHATE RESISTANT CONCRETE USE 7.0 SACK).
- AN APPROVED POZZOLAN ADMIXTURE SHALL BE ADDED TO THE CONCRETE MIX AT A RATE OF 4 OZ. PER SACK OF CEMENT.
- THE CONTRACTOR SHALL SUBMIT A CONCRETE MIX DESIGN TO THE ENGINEER FOR APPROVAL 14 DAYS PRIOR TO POURING OF CONCRETE.
- ALL HORIZONTAL SURFACES SHALL BE RENDERED NON-SLIP BY DUSTING ON AN APPROVED ABRASIVE AGGREGATE AT THE RATE OF 4 OZ. PER SQUARE FOOT BEFORE FINAL TRAVELING, UNLESS NOTED OTHERWISE.

AS BUILT
 APPROVED BY: *Robney D. Crampton*
 DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Robney D. Crampton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-7-87

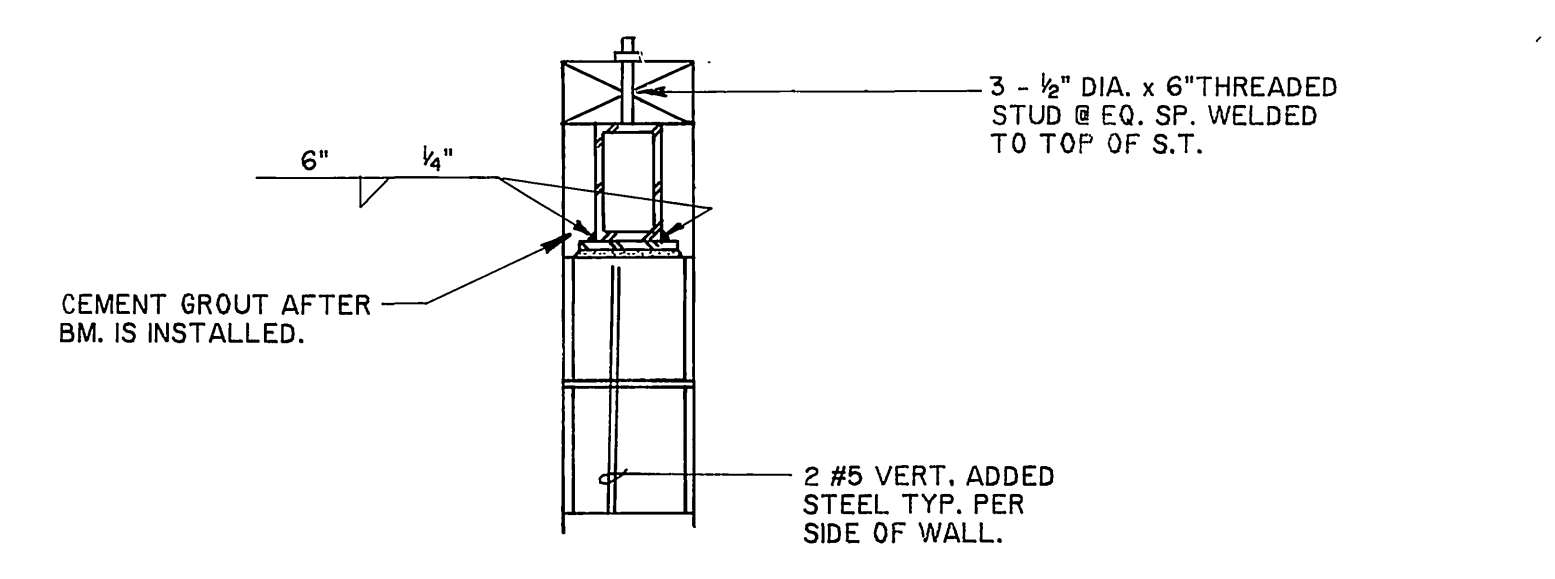
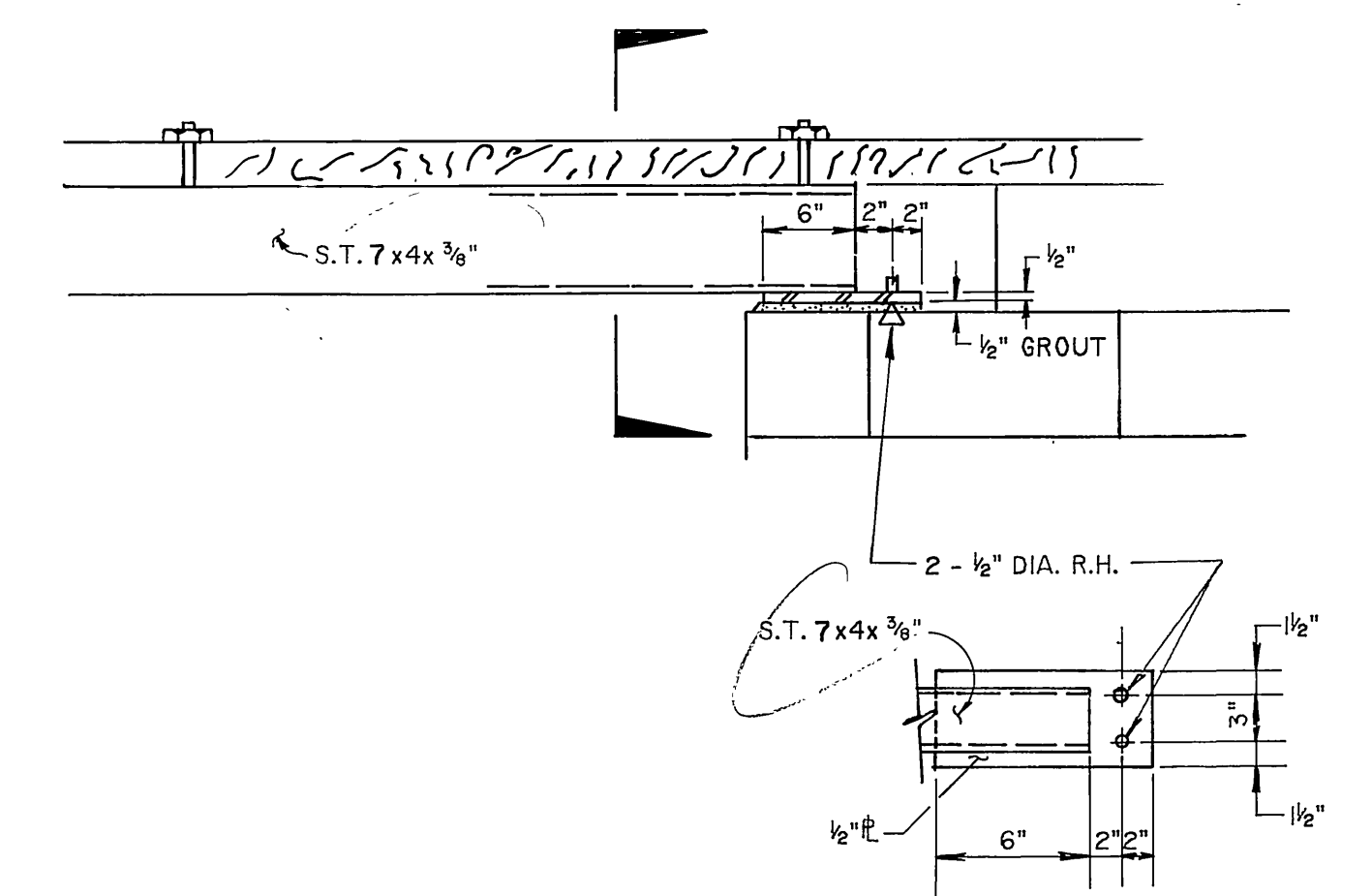
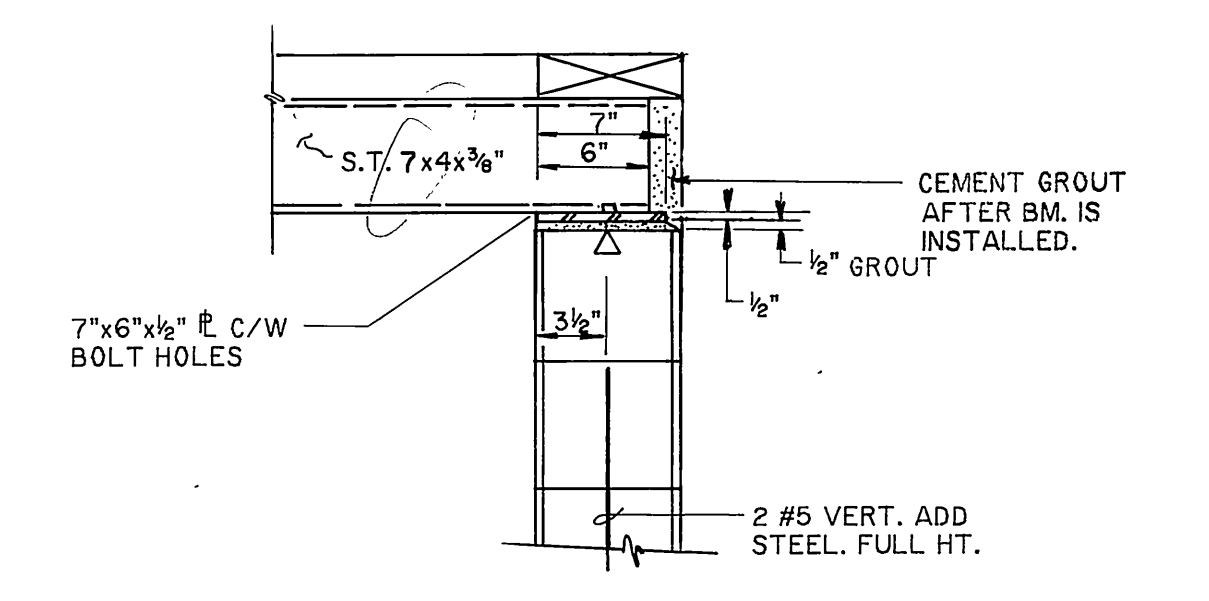
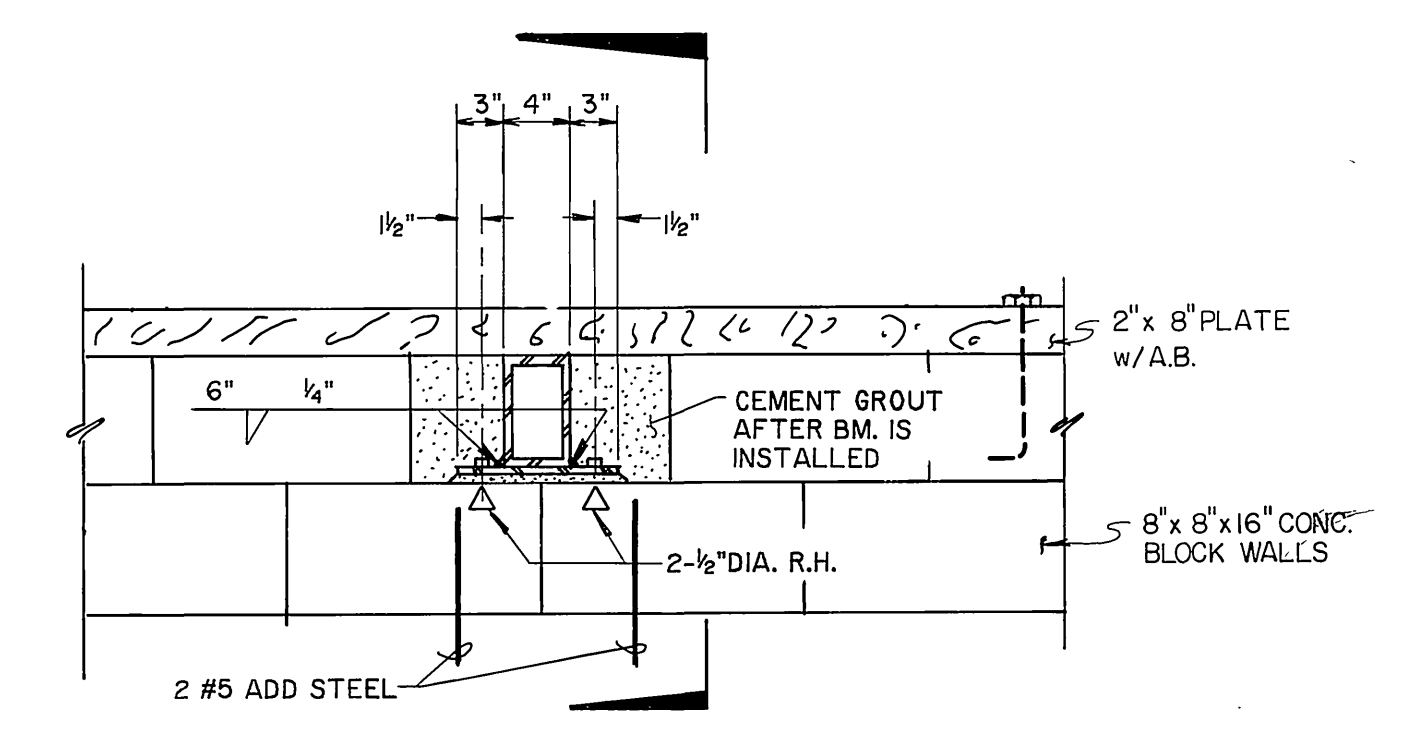
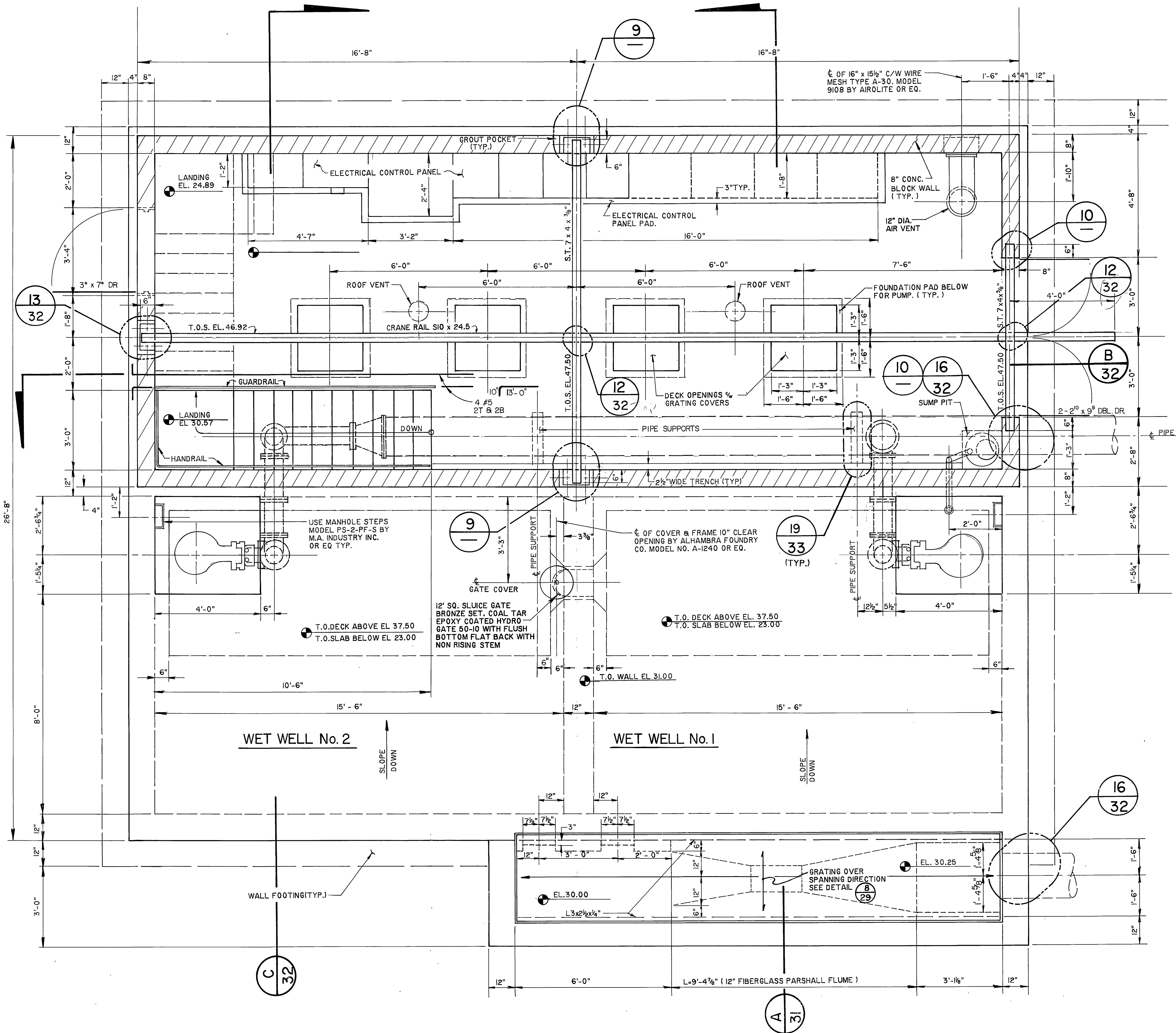
J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE., #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

DATE	REVISIONS	APPR.	DATE

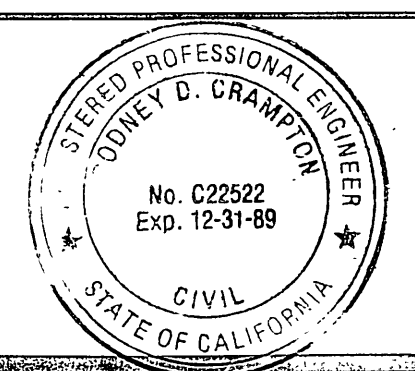
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *William J. Hurdus*
 DIRECTOR OF PUBLIC WORKS
 DATE: 4/24/87

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
SEWAGE LIFT STATION
STRUCTURAL DETAILS & GENERAL NOTES
 HORIZ. SCALE: 1" = VERT. SCALE: 1" =

PROJECT NO. **S-1430A**
 SHEET **29** OF **37**
 FILE NO. 86-9202



10 HEADER BEAM CONNECTION AS BUILT
N.T.S.
APPROVED BY: *Rodney D. Crampton*
DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
REGISTERED CIVIL ENGINEER NO. C22522
EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

PO. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: AS NOTED BENCH MARK: DATE: 07/1 RIVERSIDE COUNTY ELEV. 1700.870
BRASS DISK FLUSH & MARKED V. S. 10-84, 0.8 MI. E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 200' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 16' X 18' BOULDER.

CHANGED MANSARD ROOFING
REVISIONS
DESIGNED BY LC DRAWN BY JS CHECKED BY RC

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *William D. Sanderson*
DIRECTOR OF PUBLIC WORKS
DATE: 4/24/87

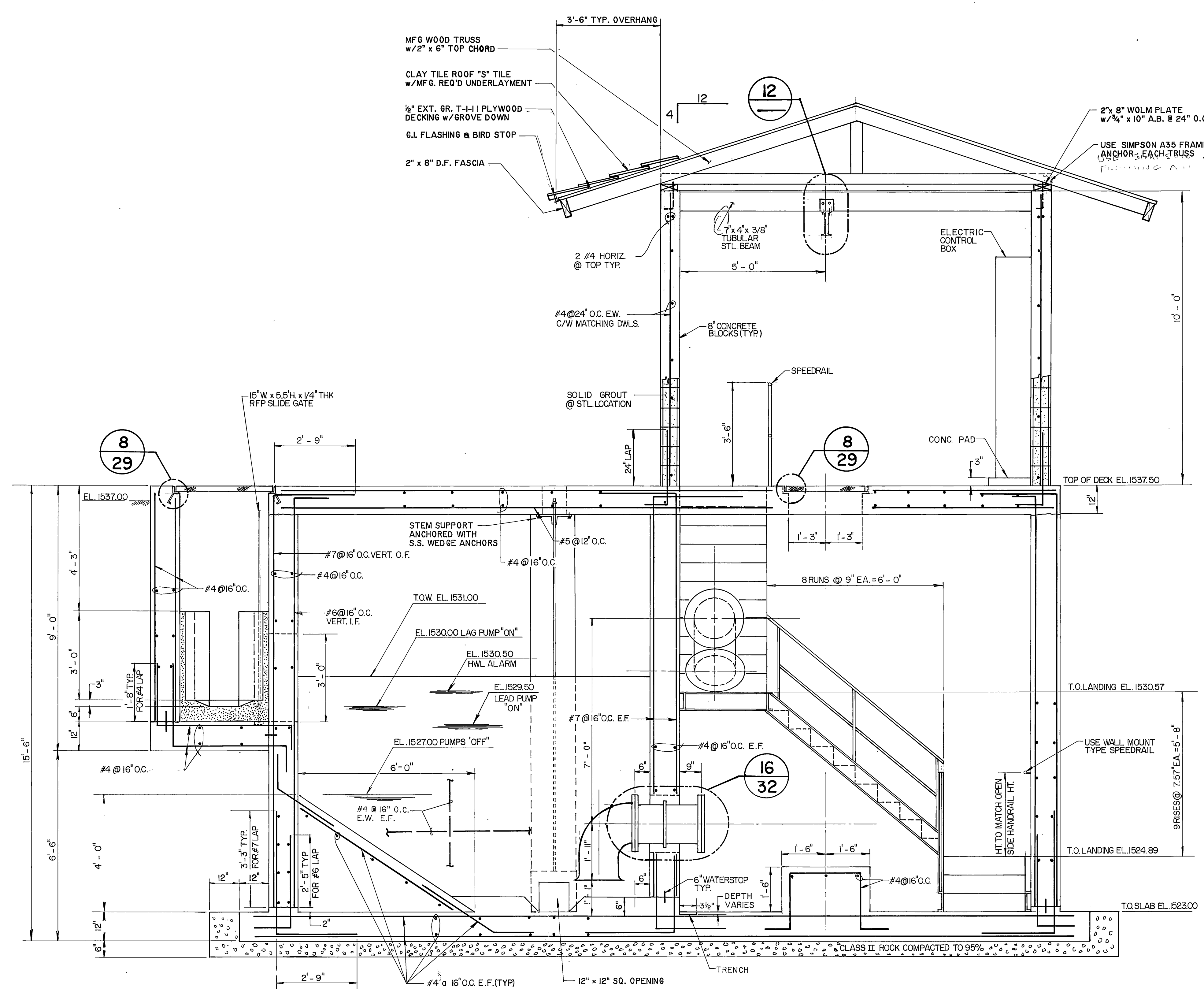
ALESSANDRO BLVD. & WOOD RD
TRUNK SEWER
SEWAGE LIFT STATION
PLAN VIEW

PROJECT NO. S-1430A
SHEET 30 OF 37
FILE NO. 86-9202

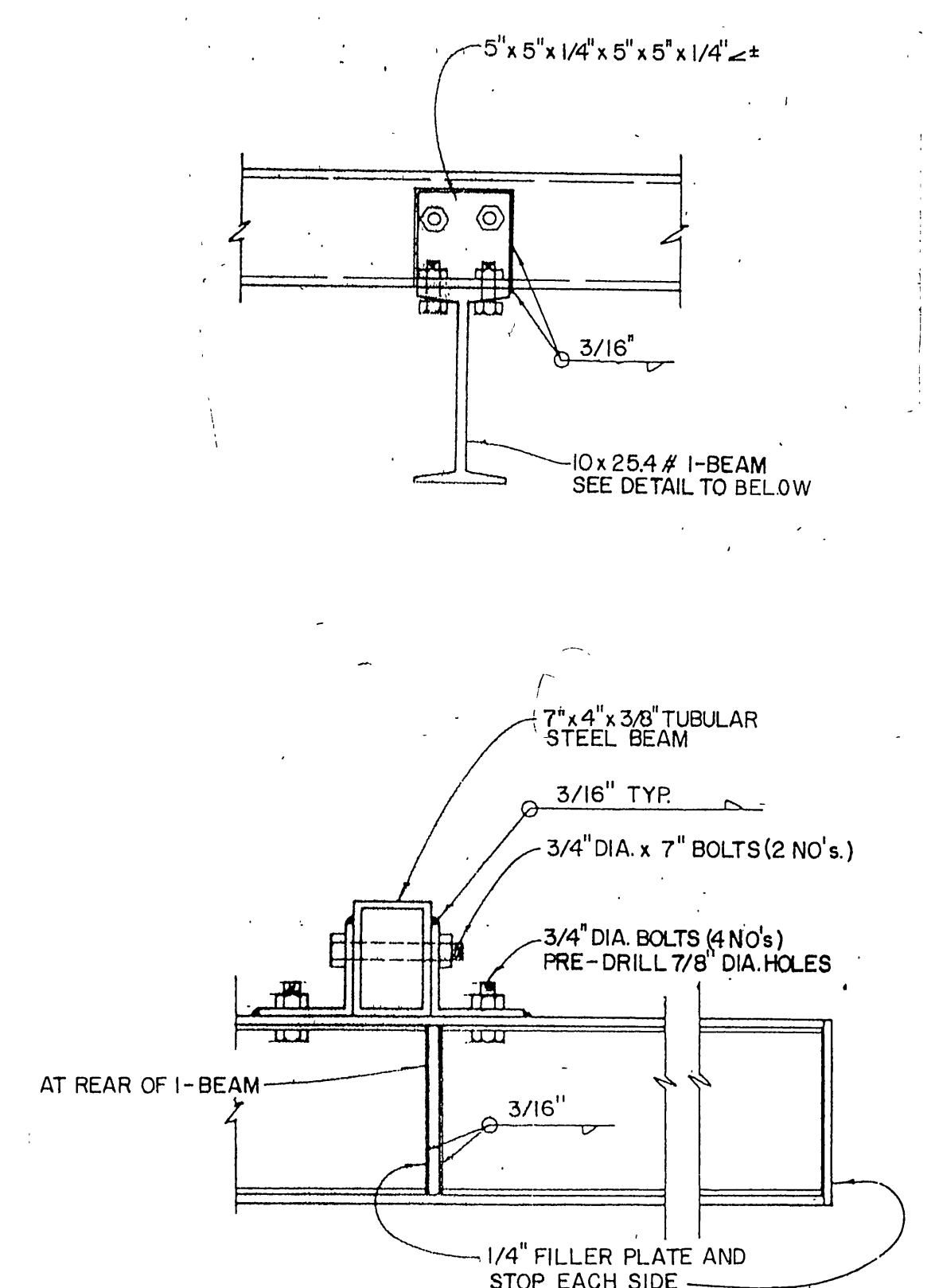
HORIZ. SCALE: 1" = 10' VERT. SCALE: 1" = 1'

INDEXED 12-15-87

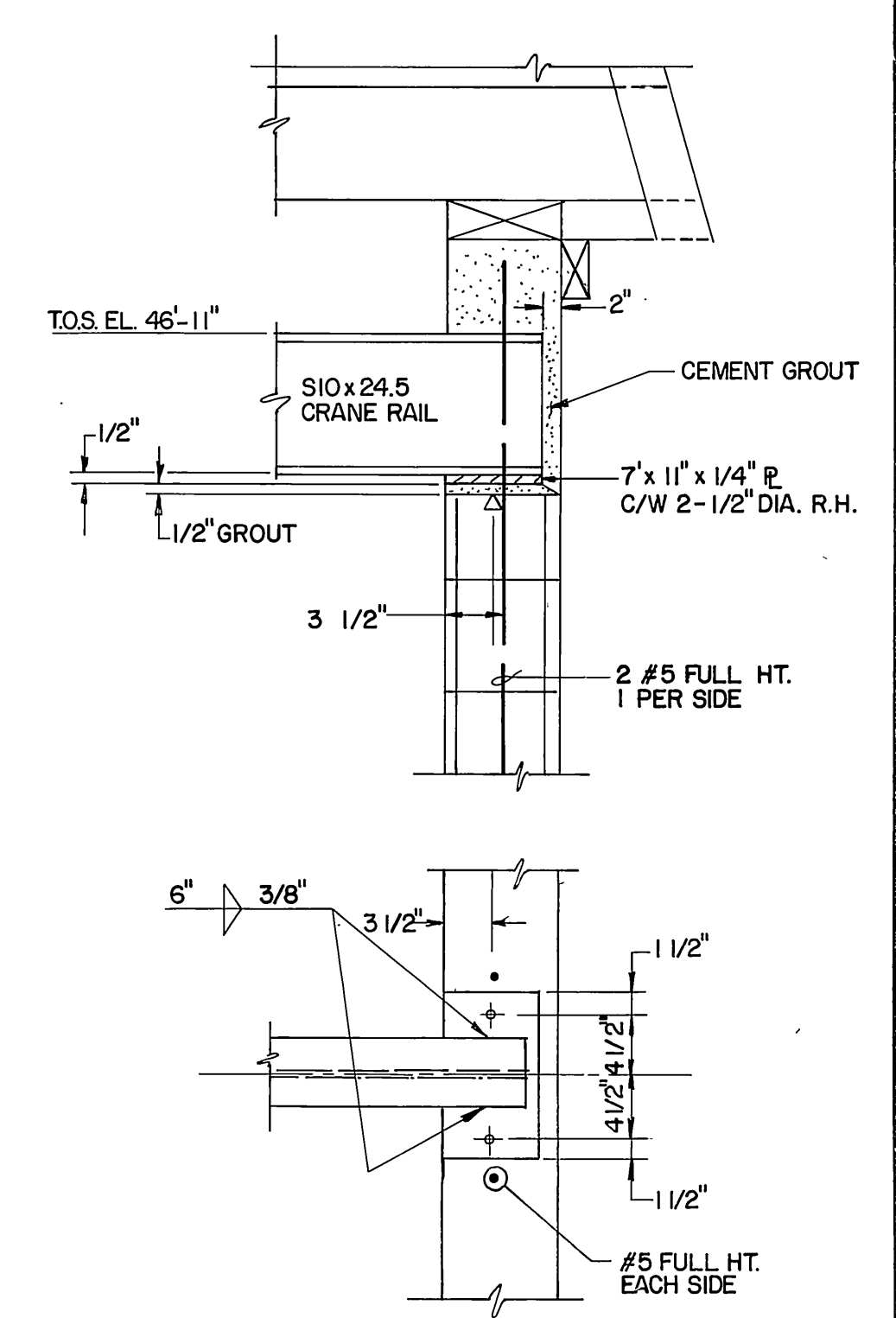
NOTE:
 PROVIDE A PAINTED WOODEN SIGN ATTACHED
 TO WEST SIDE OF BUILDING TO READ "CITY OF
 RIVERSIDE "TRAUTWEIN PUMP STATION".



A SECTION
 SCALE 1/2" = 1'-0"

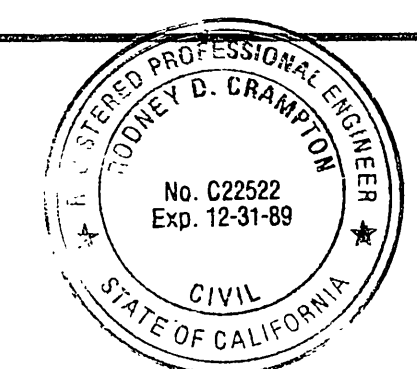


12 TYPICAL SUPPORT BEAM DETAIL
 FOR TROLLEY TRACKS
 SCALE 1" = 1'-0"



13 CRANE RAIL WEST END CONNECTION
 SCALE 1" = 1'-0"

AS BUILT
 APPROVED BY: *Rodney D. Clampton*
 DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Rodney D. Clampton
 REGISTERED CIVIL ENGINEER NO. C22522
 EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
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 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 625-1082 (619) 346-5691

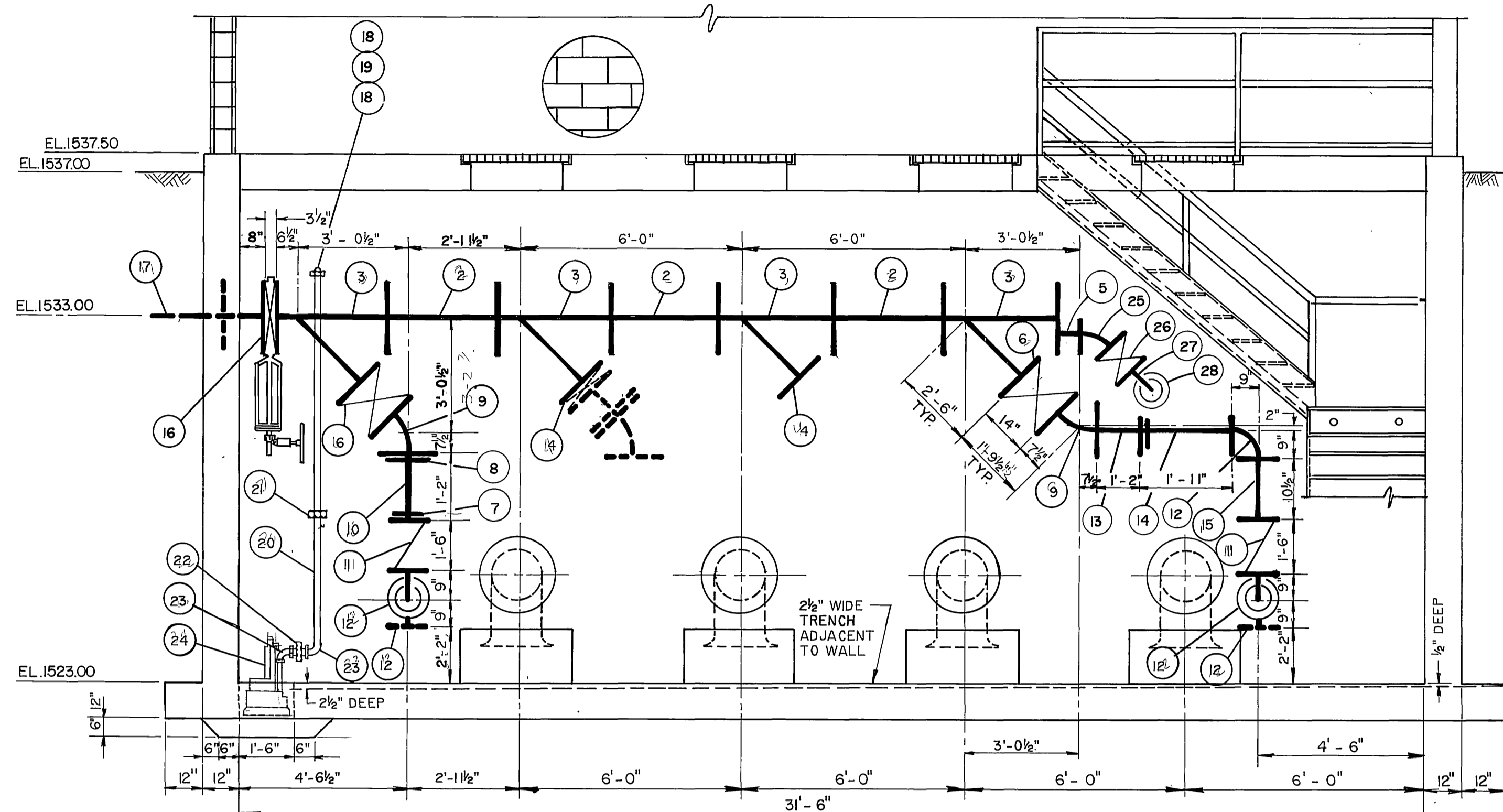
SCALE	AS NOTED	DATE	2-9-87
DATE		APPR.	
DESIGNED BY	RDC	CHECKED BY	
DRAWN BY	JS		

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	
APPROVED BY	DATE
PRINCIPAL ENGINEER	2-27-87
TRAFFIC DIVISION	
CHIEF P. W.	
APPROVED BY	DATE
<i>William D. Gardner</i>	4/24/87
DIRECTOR OF PUBLIC WORKS	

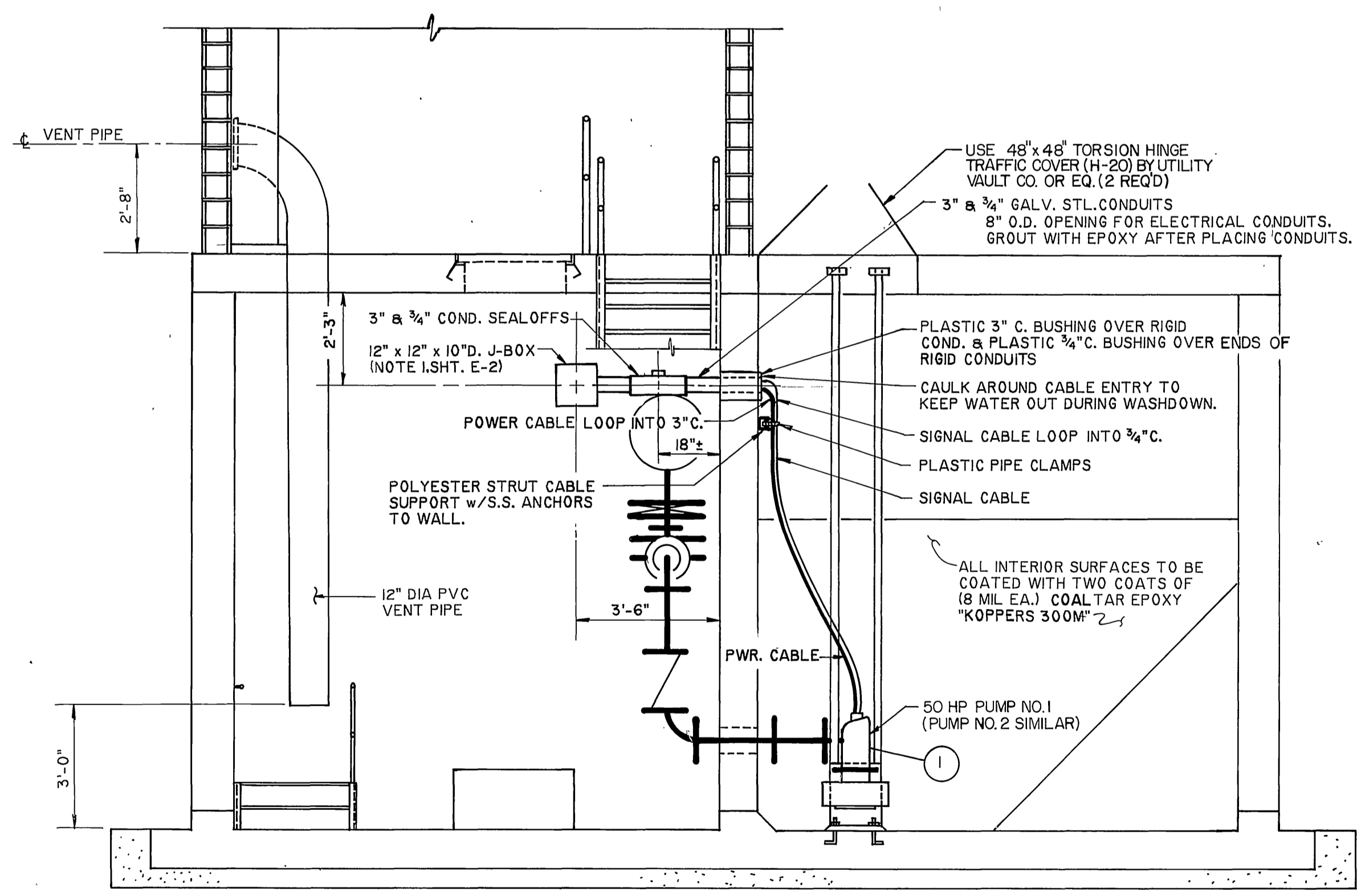
ALESSANDRO BLVD. & WOOD RD.		PROJECT NO.
TRUNK SEWER SEWAGE LIFT STATION		S-1430A
SECTIONAL VIEW		SHEET 31 OF 37
HORIZ. SCALE: 1" = 1'-0"	VERT. SCALE: 1" = 1'-0"	FILE NO. 86-9202

EQUIPMENT LIST

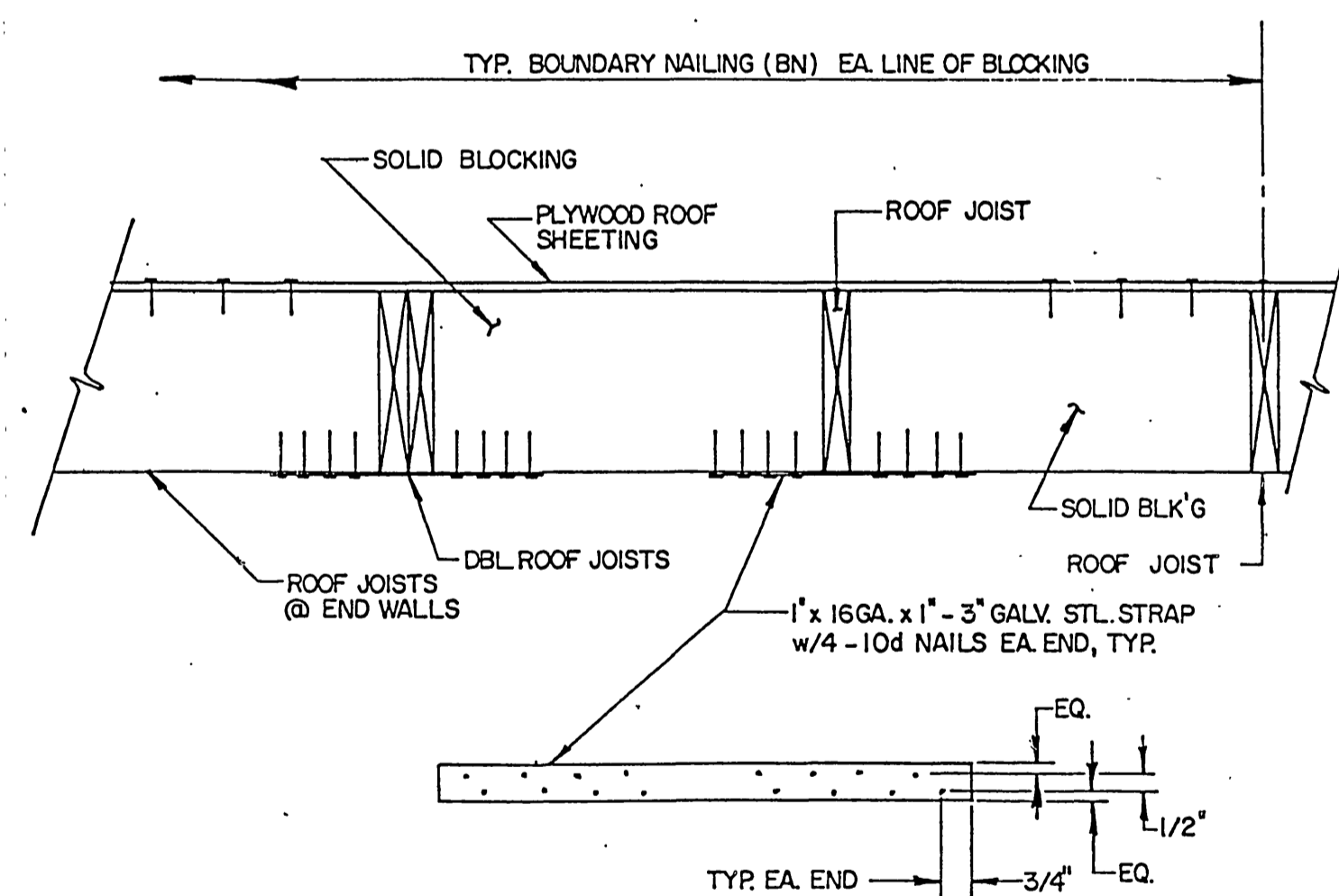
ITEM No.	DESCRIPTION	QTY.
1	SUBMERSIBLE PUMP AND MOTOR WITH S.S. SLIDE RAIL SYSTEM. WEMCO 4x15" 800 GPM @ TDH = 105'. 50 HP. 440 VOLT. 3Ø MOTOR.	2
2	16" DIA. D.I.P. FLANGED x FLANGED NIPPLE x 2'-1 1/2" LONG.	3
3	16"x16"x12" D.I. FLANGED WYE.	4
4	12" DIA. 125# D. I. BLIND FLANGE.	2
5	16" x 6" D. I. FLG'D NIPPLE REDUCER	1
6	12" DIA. FLG'D PLUG VALVE ROTARY GEAR ACTUATOR "DEZURIK" FIG 118-F-6 RS17. AG66H2 KEYSITE 740 (3 COATS 10 TO 12 MIN. HOLIDAY TEST)	2
7	8" DIA. VICTAULIC FLANGE (STYLE 341)	2
8	12" DIA. VICTAULIC FLANGE (STYLE 341)	1
9	12" DIA. D. I. 45° ELL.	2
10	12"x8" DIA. D. I. VIC. x VIC. CONCENTRIC REDUCER (VIC. NO. 50-C)	1
11	8" DIA. OIL CUSHION SWING CHECK VALVES "APCO SERIES 6000".	2
12	8" DIA. D. I. 90° ELL.	5
13	12"x8" DIA. D. I. ECCENTRIC REDUCER.	1
14	8" DIA. D.I.P. FLANGED x VICTAULIC GROOVE x 1'-1" LONG.	1
15	8" DIA. D.I.P. FLANGED x FLANGED NIPPLE x 10 1/2" LONG.	1
16	16" DIA. KNIFE GATE VALVE RESILIENT SET WITH BEVEL GEAR OPERATOR "DEZURIK FIG 801 RS16".	1
17	16" DIA. D. I. WALL FLANGED x PLAIN END x 3'-0" LONG.	1
18	2" DIA. BRASS 90° ELL.	2
19	2" DIA. BRASS THREADED NIPPLE SCH. 80 x 2'-0" LONG.	1
20	2" DIA. PVC PIPE SCH. 80 x LENGTH AS REQUIRED.	1
21	2"x6" S.S. STRAP WALL FASTENER AND 1/4" DIA. S.S. WEDGE ANCHORS.	2
22	2" DIA. PVC UNION SCH. 80.	1
23	2" DIA. PVC 90° ELL.	2
24	SUMP PUMP 40 GPM @ TDH=20" "MYERS WHR5". V&HP. 110 VOLT. 1Ø MOTOR. WITH FLCA CONTROL.	1
25	6" DIA. D. I. 45° ELL.	1
26	6" DIA. FLG'D PLUG VALVE ROTARY GEAR ACTUATOR "DEZURIK" FIG 118. F.6.RS16. AG66H2 KEYSITE 740 (3 COATS 10 TO 12 MIN. HOLIDAY TEST)	1
27	6" DIA. D. I. 90° ELL.	1
28	6" DIA. D. I. WALL FLANGED x PLAIN END 24" LONG.	1



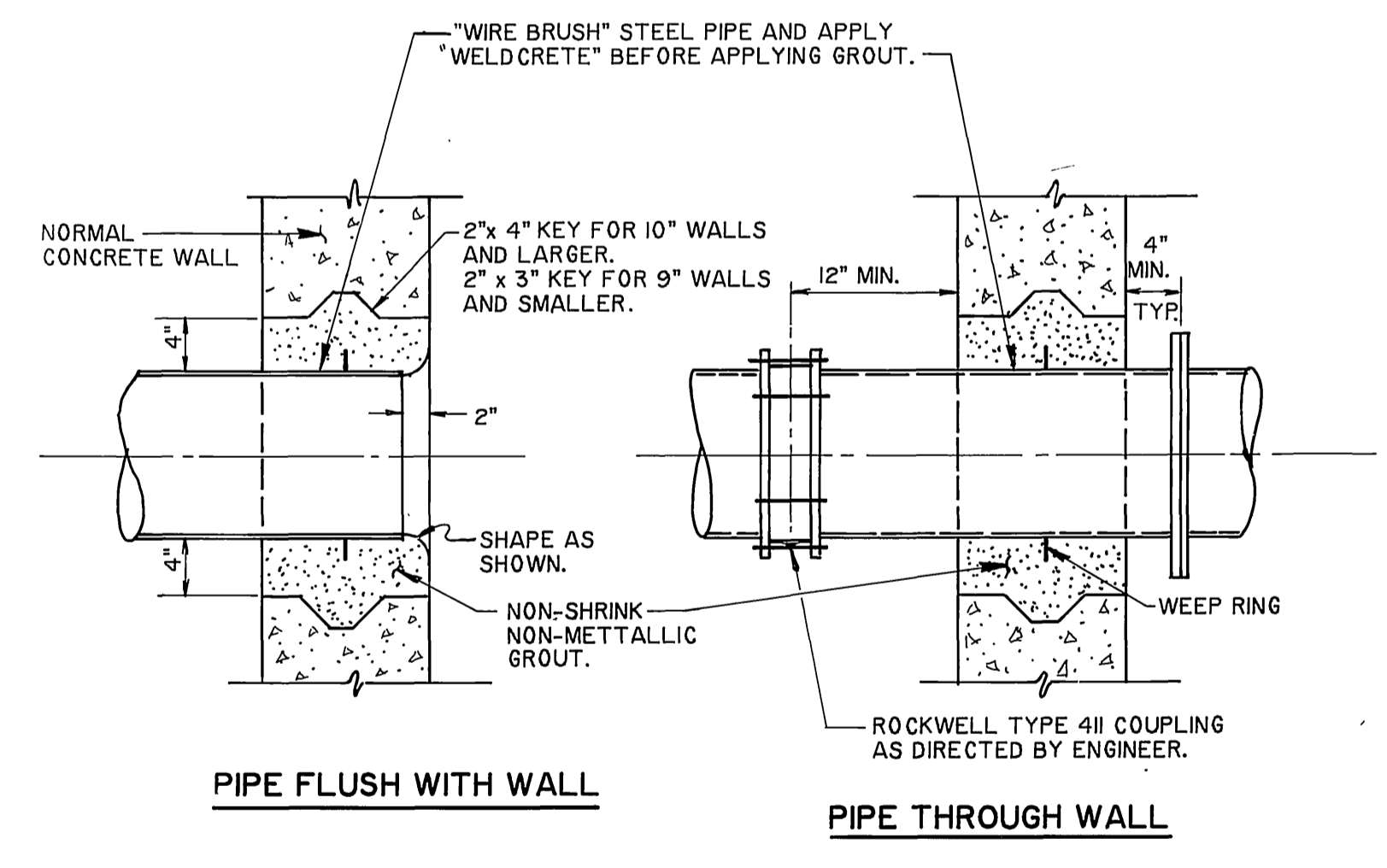
B SECTION
N.T.S.



C SECTION
N.T.S.



15 SEISMIC TIES @ END WALLS DETAIL
N.T.S.

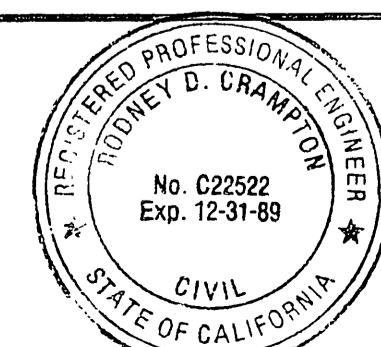


16 TYPICAL PIPE INSERT AT WALL
N.T.S.

NOTE: IT IS THE CONTRACTOR'S OPTION TO USE THIS DETAIL OR CAST IN PLACE WALLPIPE.

AS BUILT

APPROVED BY: *Robey D. Crumpton*
DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Robey D. Crumpton
REGISTERED CIVIL ENGINEER NO. C22522
EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
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RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691



SCALE: AS NOTED
DATE: 12/15/89
BENCH MARK: DATE 1971 RIVERSIDE COUNTY ELEV. 1700.870
BRASS DISK FLUSH & MARKED V. B. 10-64. 0.6 MI. E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 206' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 16' X 16' BOULDER.

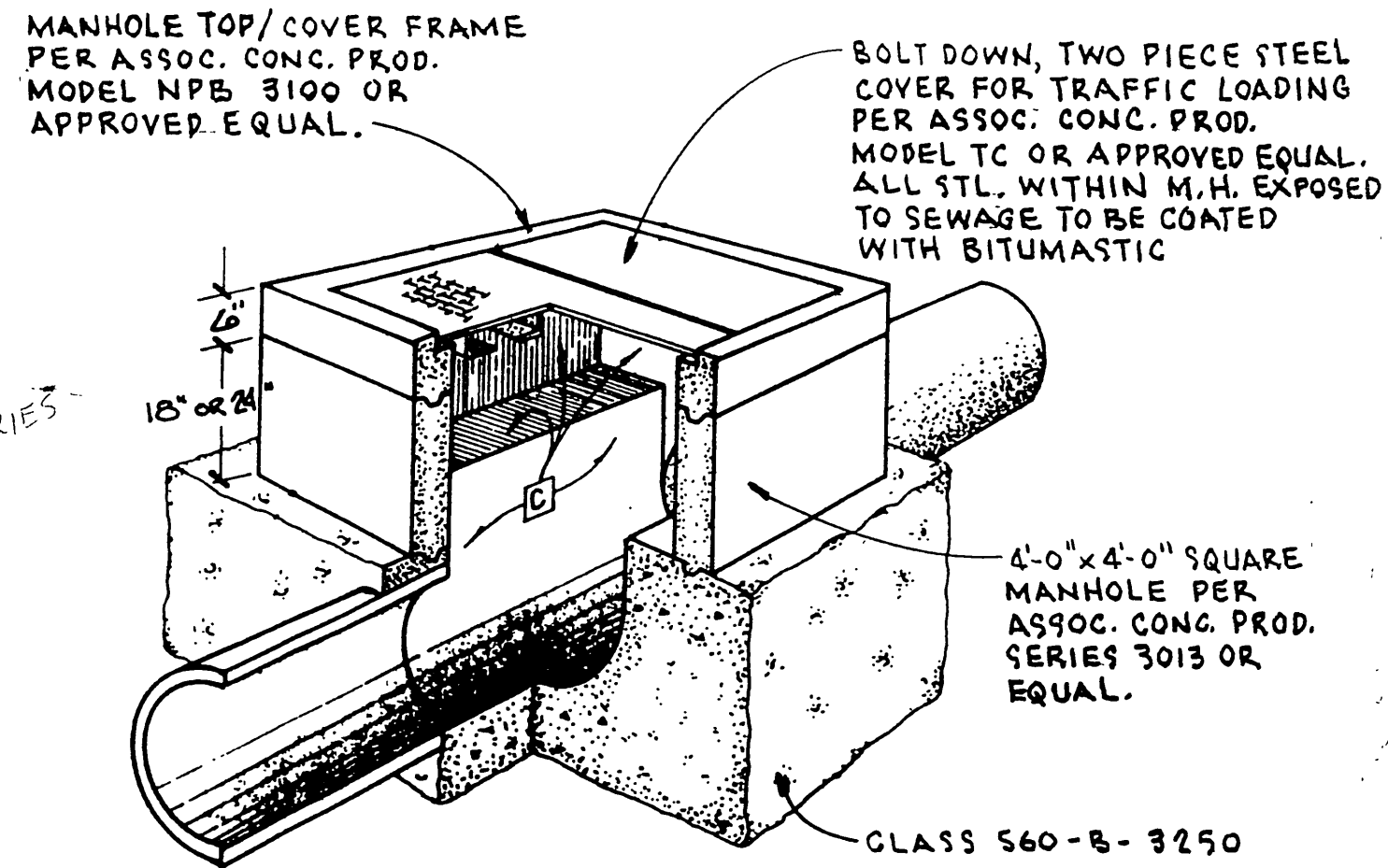
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *William D. Davidson*
DIRECTOR OF PUBLIC WORKS
DATE: 1/24/87

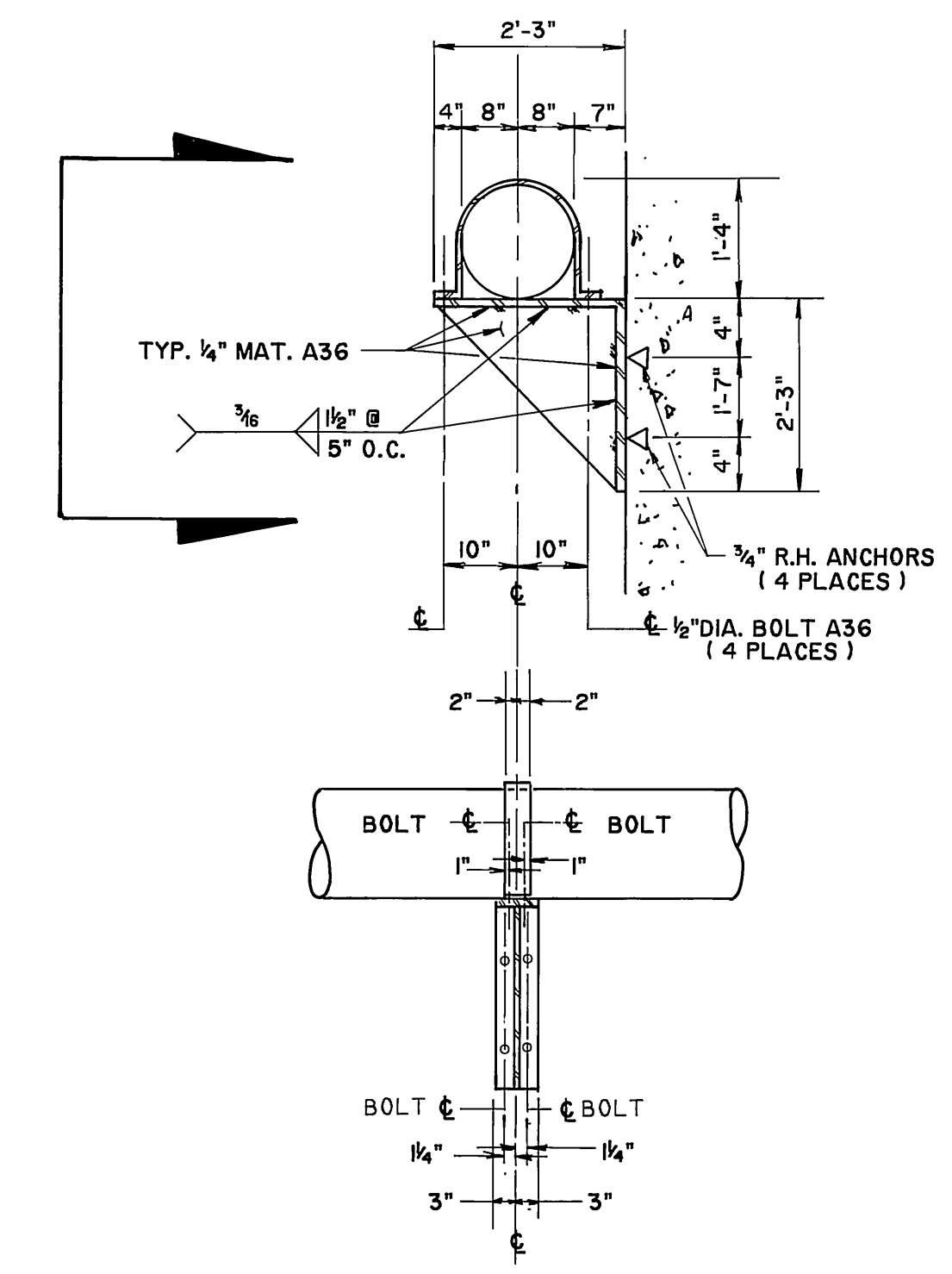
ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
SEWAGE LIFT STATION
PUMP & PIPING DETAILS

PROJECT NO. S-1430A
SHEET 32 OF 37
FILE NO. 86-9202

HORIZ. SCALE: 1" = VERT. SCALE: 1" =

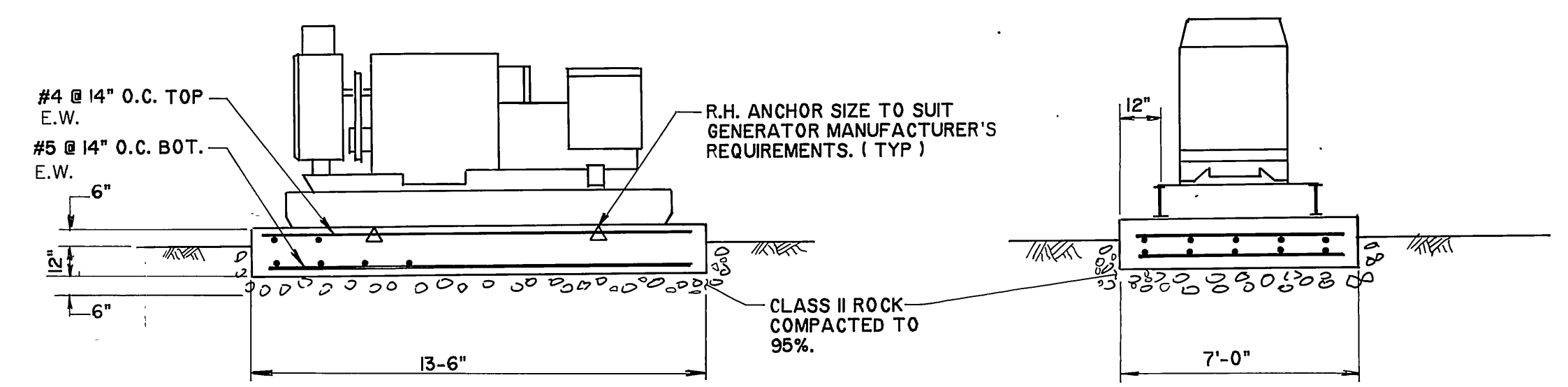


17 SHALLOW MANHOLE DETAIL



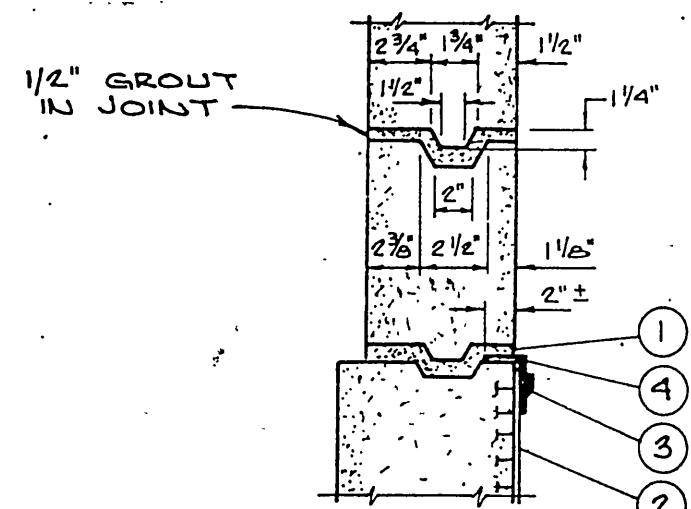
19 PIPE SUPPORT DETAIL

(2 REQ'D)
SCALE 1/2" = 1'-0"



20 GENERATOR FOUNDATION DETAIL

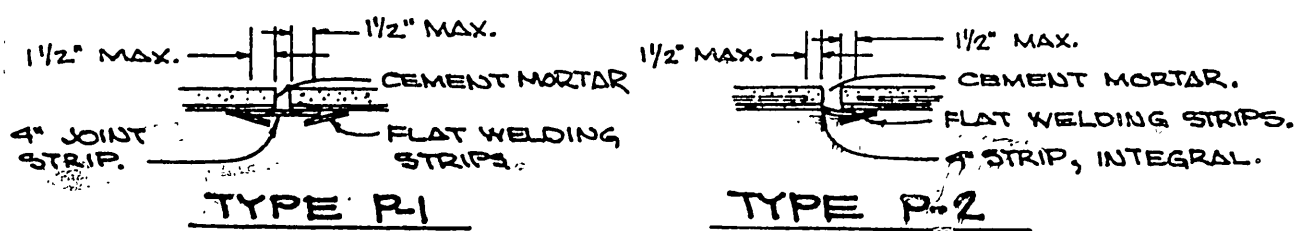
SCALE 1/4" = 1'-0"



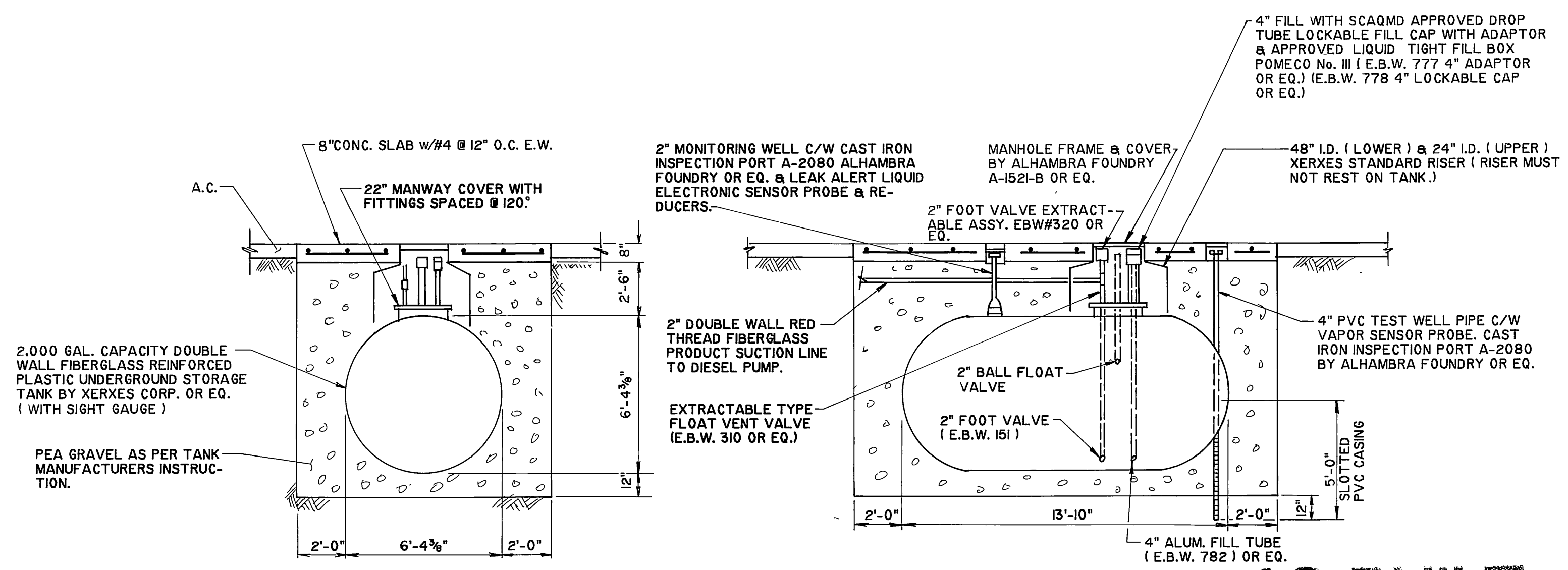
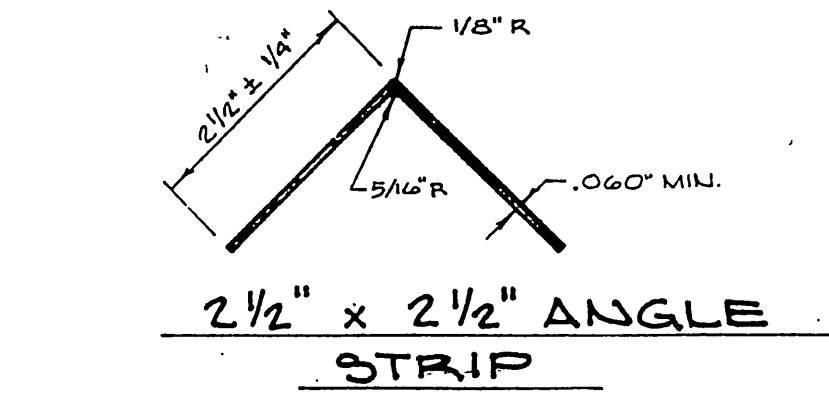
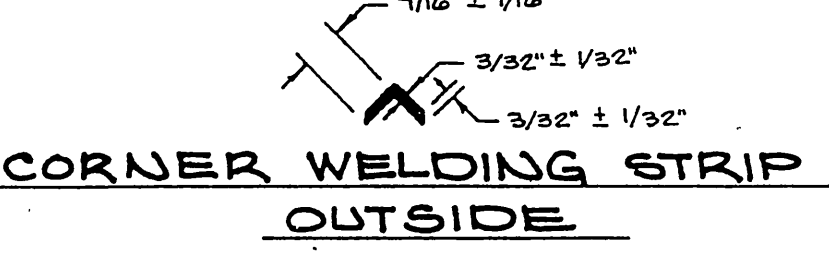
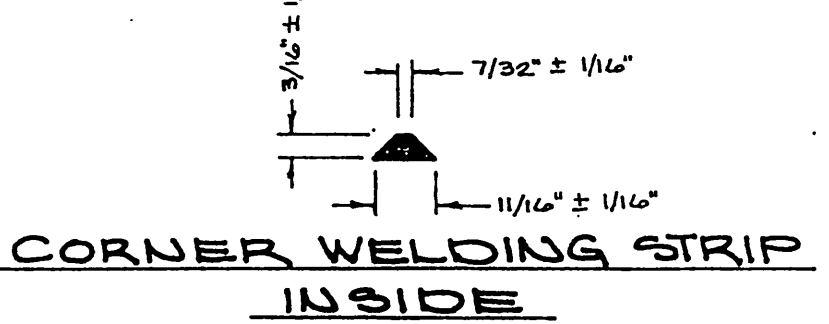
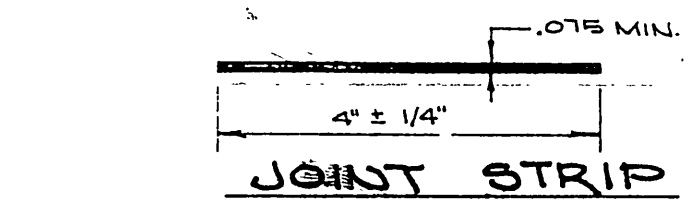
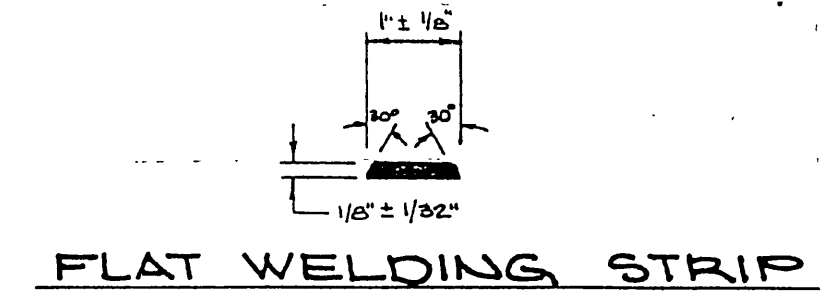
PVC LINER INSTALLATION NOTES

1. SET MANHOLE SHAFT AND GRADE RINGS IN CEMENT GROUT ON TOP OF PVC LINER.
2. T-LOCK PVC LINER INSTALLED IN PIPE BY PIPE FABRICATOR.
3. 1-INCH WELD STRIP.
4. 2 1/2" x 2 1/2" ANGLE STRIP.

VINYL LINER JOINTS



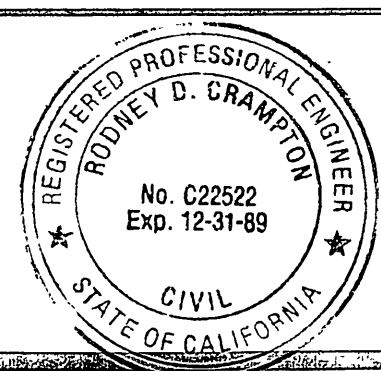
18 DETAILS FOR VINYL LINING



21 2,000 GAL. FUEL TANK DETAIL

SCALE 1/4" = 1'-0"

AS BUILT
APPROVED BY: *Robey D. Clampton*
DATE: 12/15/89



PREPARED UNDER THE DIRECTION OF:
Robey D. Clampton
REGISTERED CIVIL ENGINEER NO. C22522
EXPIRATION DATE 12-31-89 DATE: 2-17-87

J F DAVIDSON ASSOCIATES, INC.
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(714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE AS NOTED BENCH MARK DATE: 1971 RIVERSIDE COUNTY ELEV. 1700.670
BRASS DISK FLUSH & MARKED V. & 10-04. 0.8 M. E. ON VAN BUREN BLVD. FROM INT. OF VAN BUREN & WOOD RD. 205' N. OF VAN BUREN AT THE GRANITE BOULDER ON TOP OF 3' X 18' X 18' BOULDER.

MARK	REVISIONS	APPR.	DATE
DESIGNED BY: <i>l.e.</i>	DRAWN BY: <i>l.s.</i>	CHECKED BY: <i>R.C.</i>	DATE: 4/24/87

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *William D. Gardner*
PRINCIPAL ENGINEER
TRAFFIC DIVISION
DATE: 4/24/87

ALESSANDRO BLVD. & WOOD RD.
TRUNK SEWER
SEWAGE LIFT STATION
GENERATOR & FUEL TANK DETAILS

HORIZ. SCALE: 1" = VERT. SCALE: 1" =

PROJECT NO. S-1430A
SHEET 33 OF 37
FILE NO. 86-9202