

**CONSTRUCTION LEGEND**

- CONSTRUCT MANHOLE PER CITY OF RIV. STD. DWG. 500 AT THE STATION AS NOTED ON THE PLANS
- CONSTRUCT MANHOLE PER CITY OF RIV. STD. DWG. 500 WITH 5' I.D. BASE SECTION, 30" I.D. SHAFT AND ECCENTRIC CONE, M.H. FRAME AND COVER FROM RIV. FOUNDRY N° R-1252 - 30" CLEAR OPENING, AT THE STATION AS NOTED ON THE PLANS.
- CONSTRUCT DROP MANHOLE PER DETAILED PLANS AT THE STATION AS NOTED ON THE PLANS.
- CONSTRUCT JUNCTION MANHOLE PER DETAILED PLAN ON SHEET 3B, AT THE STATION AS NOTED.
- CHIMNEY 6" CAST IRON PIPE WITH DOUBLE TEE. SEE SPECIAL PROVISIONS.
- ~~TEE RISER AND BLIND FLANGE WITH 1/2" IPS TAP AND PLUG, LOCATION AS NOTED ON THE PLANS. SEE SPECIAL PROVISIONS.~~
- DOUBLE CONVENIENCE OUTLET, SEE SHEET 26H & 27H
- 1" HOSE BIB, SEE SHEET 26H & 27H
- PLACE 4" V.C.P. TEE OR WYE ON GRAVITY SEWER AT THE STATION AS NOTED ON THE PLANS. SEE SPECIAL PROVISIONS.

# RIVERSIDE CALIFORNIA



## PUBLIC WORKS DEPARTMENT SOUTHWEST INDUSTRIAL SEWER SYSTEM

**SHEET INDEX**

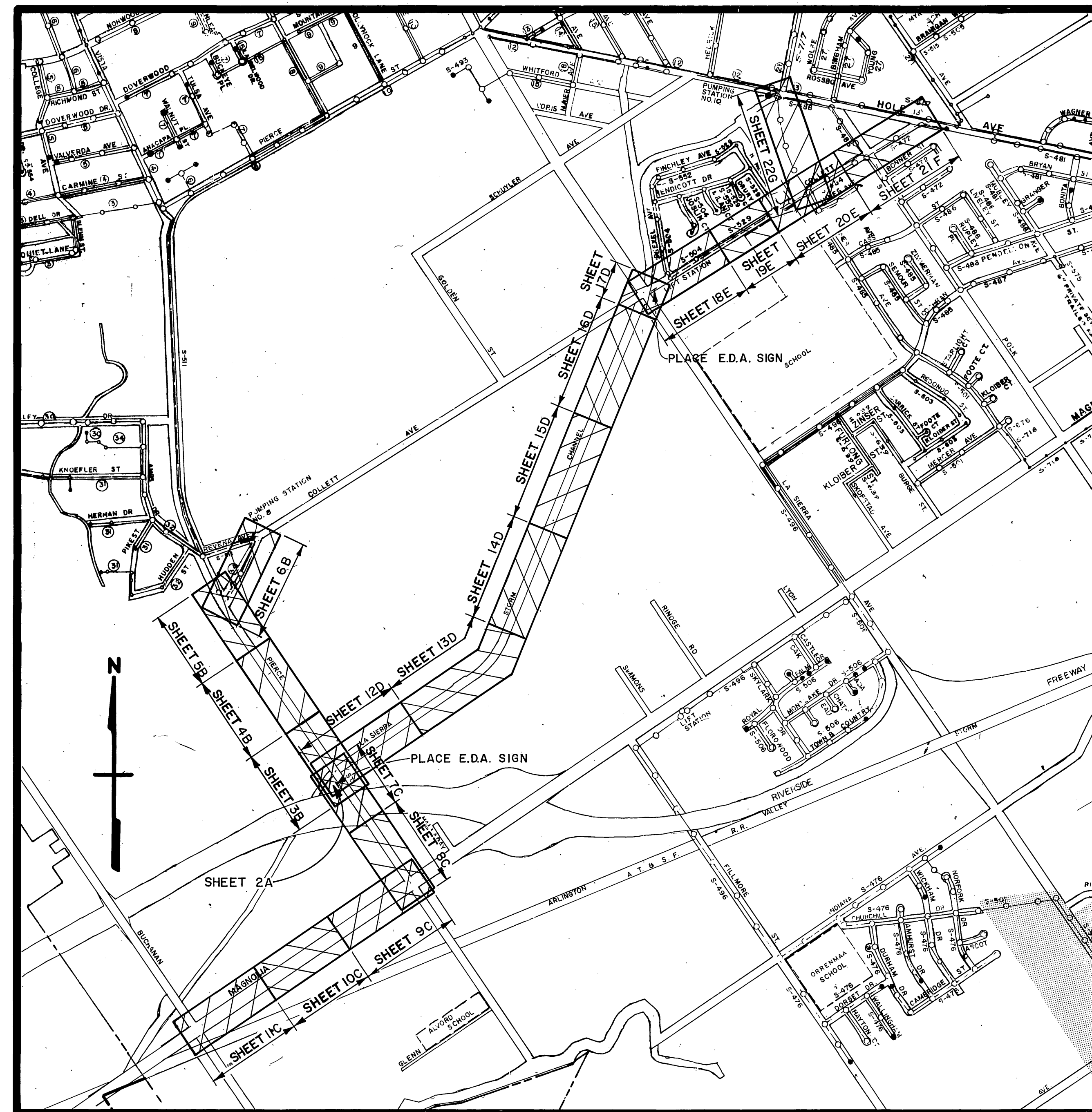
SHEET 1	TITLE SHEET
" 2A	PIERCE STR. PUMP STATION PLOT PLAN & DETAILS
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" 5B	" " " "
" 6B	" " " "
" 7C	MAGNOLIA AVE. GRAVITY SEWER
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" 12D	R.C.F.C.D. LA SIERRA CHAN. FORCE MAIN & GRAV. SEW.
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" 20E	" " " " " " " "
" 21F	COLLETT AVE. FORCE MAIN
" 22G	COLLETT AVE. TO HOLE AVE. GRAVITY SEWER
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" 24H	" " " " SECTIONS
" 25H	" " " " " " " "
" 26H	" " " " EQUIPMENT " "
" 27H	" " " " " " " "
AND DETAILS	

**SUPPLEMENT DRAWINGS**

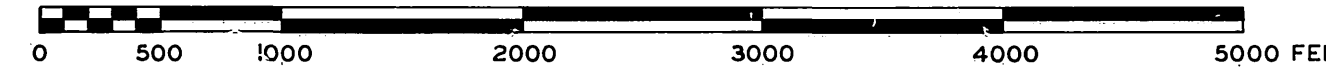
SUPPLEMENT 1 STATE DIVISION OF HIGHWAYS-PIERCE STREET UNDERCROSSING-LOG OF TEST BORINGS.

**GENERAL CONSTRUCTION NOTES**

- ALL MANHOLE SHAFTS SHALL BE PRECAST CONCRETE (NOT BRICK) AS MANUFACTURED BY INLAND CONCRETE ENTERPRISES (TEL. 714-682-2833) OR APPROVED EQUAL.
- LOCATION OF SOIL TEST BORINGS ARE SHOWN ON CONSTRUCTION PLAN & PROFILE SHEETS.



**PROJECT LOCATION PLAN**



SCALE 1" = 800'

\* AS BUILT JRG. 1/12/71

**EXISTING CULTURE & UNDERGROUND LEGEND**

EXISTING UNDERGROUND UTILITIES			
SANITARY SEWER	8" VCP - S	TELEPHONE CONDUIT	T - T
WATER LINE	8" CI - W	ELECTRICAL CONDUIT	E - E
STORM DRAIN	24" RCP - SD	STREET LIGHTING	SL - SL
CULVERT	15" CONC - C	TRAFFIC SIGNAL	SIG - SIG
IRRIGATION LINE	20" IRR	FIRE ALARM	F - F
GAS LINE	3" M - G	ABANDONED UTILITY	- - - - -

EXISTING TOPOGRAPHY	
CENTER LINE	— C —
RIGHT-OF-WAY LINE	— R/W —
SUBDIVISION LOT LINE	— L —

- (S) SANITARY SEWER MH
- (C) SANITARY SEWER CLEANOUT
- (D) STORM DRAIN MH
- (I) IRRIGATION WEIR
- (W) WATER MH
- (G) GAS MH
- (E) ELECTRIC MH
- (T) TELEPHONE MH OR VAULT
- (O) POWER POLE
- (---) GUY POLE
- (---) POLE & GUY ANCHOR

**-CAUTION-  
PACIFIC TELEPHONE  
CABLES UNDERGROUND**

BEFORE EXCAVATING  
CALL COLLECT:

7:30 A.M. to 5 P.M. & Holidays  
After Hours

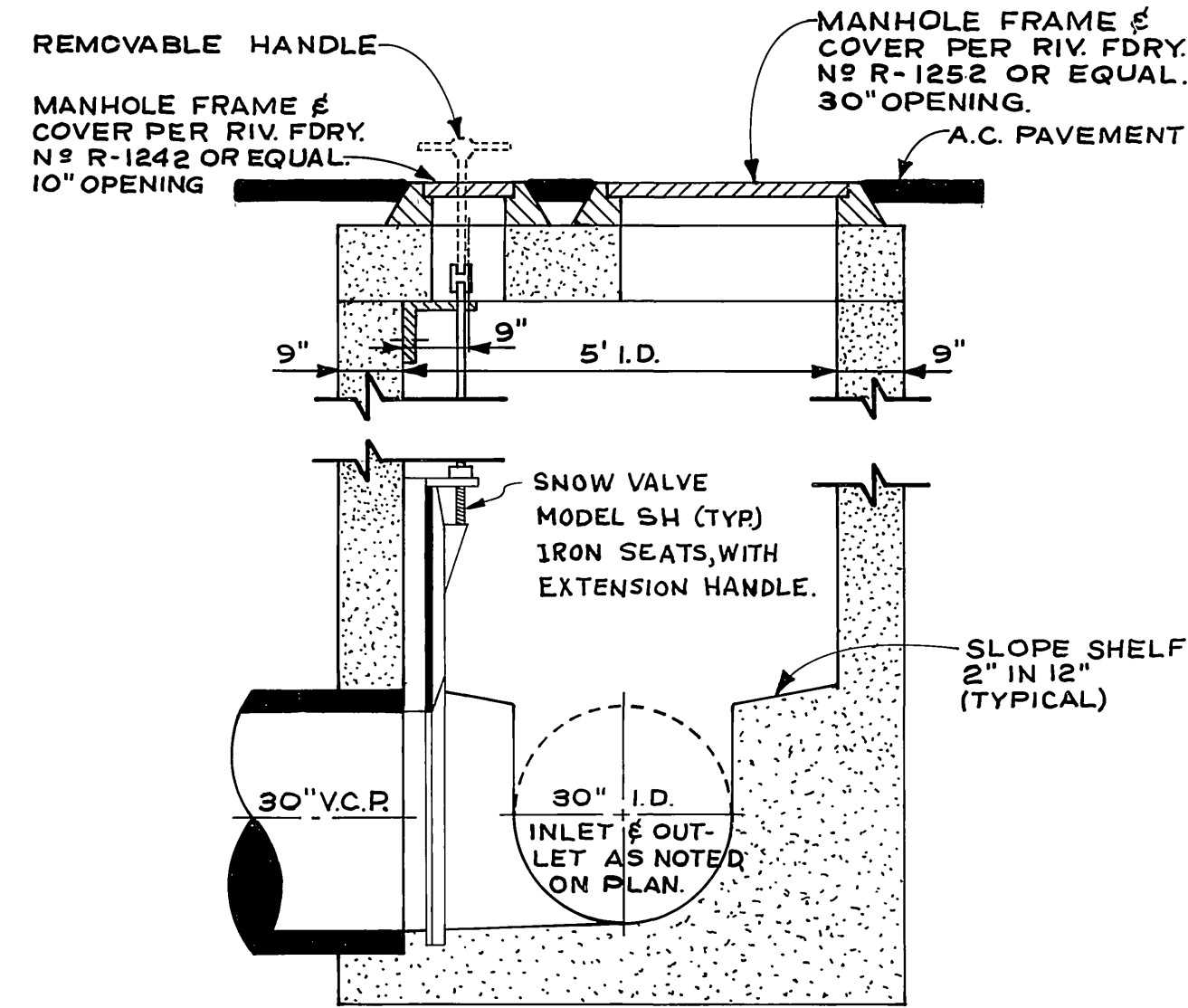
Orange County 714-633-0811 714-547-6606  
Riverside County 714-684-0071 714-547-6606  
Inyo County 714-684-0071 714-547-6606  
San Bernardino County 714-684-0071 714-547-6606  
Los Angeles County 213-621-3111  
Ventura County 213-621-3111  
San Diego County 714-298-0595 714-232-0027

FOR FREE CABLE LOCATING SERVICE

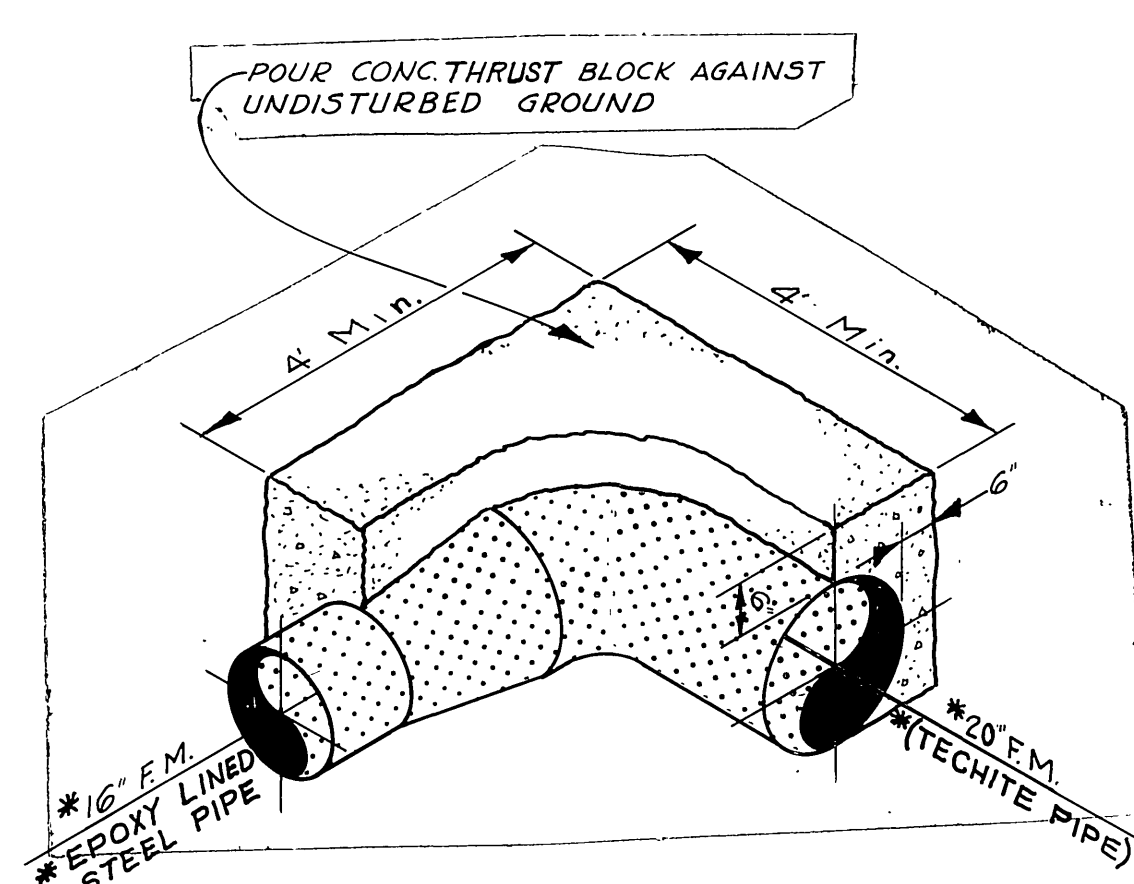
INDEXED 10/8

**SOUTHWEST INDUSTRIAL  
SEWER SYSTEM**

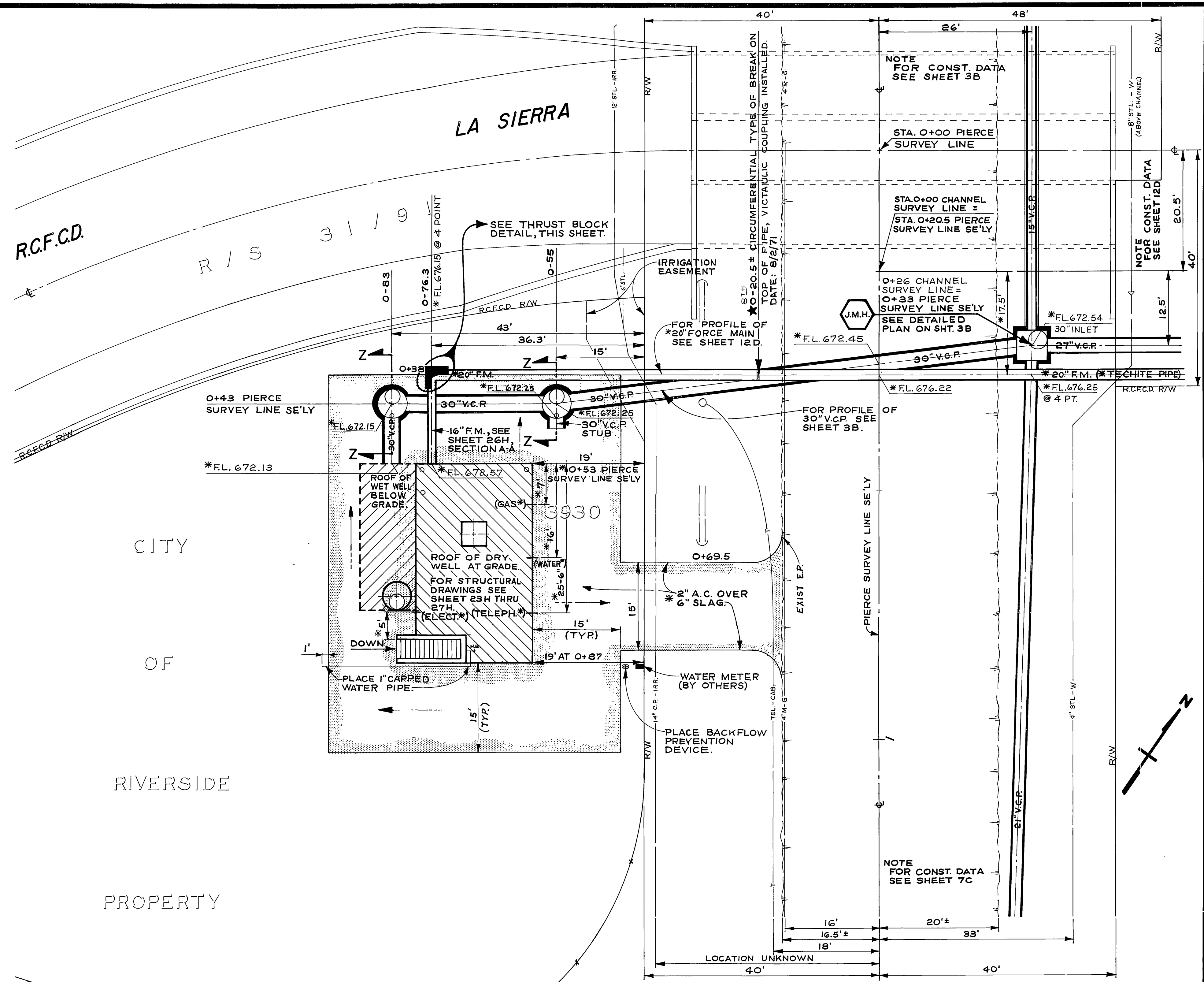
APPROVED BY	BY DATE	APPROVED BY	ACCOUNT N° 542
PRINCIPAL ENGINEER			DRAWING NUMBER
PARK DEPARTMENT		<i>Martinez</i>	<b>S-762</b>
TRAFFIC DIVISION		DIRECTOR OF PUBLIC WORKS	SHEET 1 OF 27
CHIEF PUB. WKS. ENGR.	DATE 1-19-70		
DESIGNED BY <i>Sanchez</i>	DRAWN BY <i>R. Goetz</i>	CHECKED BY <i>DCH</i>	EDA-07-1-00553



**SECTION Z-Z**  
SCALE 1" = 2'



**THRUST BLOCK DETAIL**  
SCALE 1" = 2'

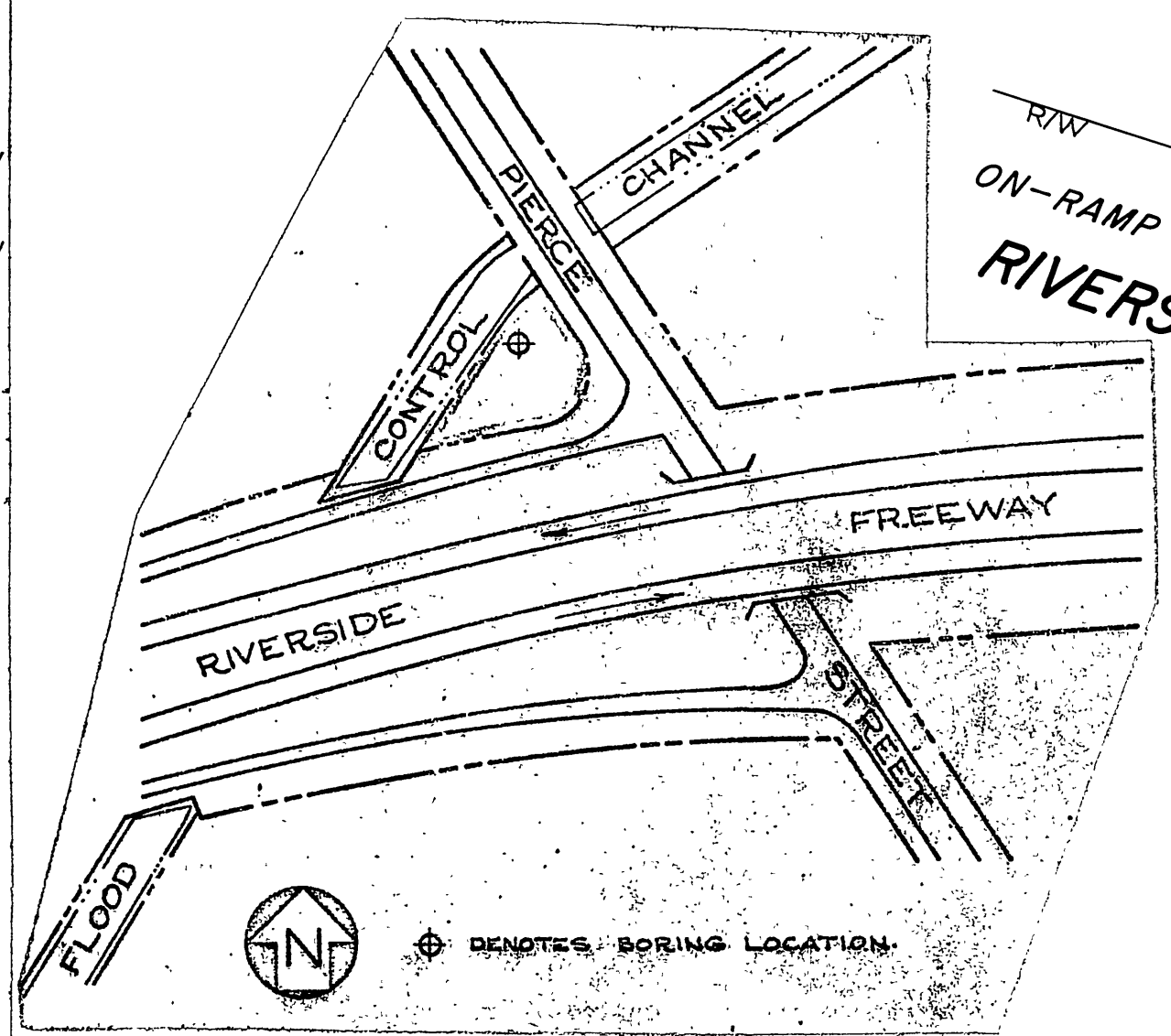


**PLOT PLAN**  
SCALE 1" = 10'

DEPTH (FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	DRIVING ENERGY (Kip Ft./Ft.)	VISUAL CLASSIFICATION (UNIFIED SOIL CLASSIFICATION SYSTEM)
2				Light brown silty sand (SM) w/gravel (Dry to damp & mod. firm)
4				Dark brown silty clay w/sand (CL) (Moist & med. firm)
6				Light brown fine to medium silty sand (SM) (Damp & medium firm)
8				Gray cemented silt (ML) (Dry & hard)
10				Light gray brown silty sand (ML) w/clay (Damp & mod. firm)
12				Brown fine to medium silty sand (SM) w/gravel (Damp & mod. firm)
14				Gray green fine to medium silty sand (ML) w/clay (Moist & mod. firm)
16				Gray green fine silty sand (ML) very (Moist & soft to mod. firm)
18				Gray green fine silty sand (SM) very (Moist & mod. firm)
20				Gray, blue-green silty clay (CL) (Very moist, firm)
22				Gray green fine to medium silty sand (SM) (Very moist & firm - mod. dense)
24	105	22.5	5.9	Gray to orange green fine to med. silty sand (SM) (Wet & dense)
26				Gray fine to coarse sand (SW) (Wet & dense)
28				
30				
32	105	19.3	12.6	
34				
36	105	23.1	54.0	

DATE: OCTOBER 24, 1969  
Free ground water table @ 34 feet  
Total depth: 36 feet  
Caving at approximately 33.5 feet due to water table.

**BORING 1 AT PIERCE STR PUMP STATION**



**SOIL BORING LOCATION PLAN**  
SCALE 1" = 200'

**-CAUTION-**  
PACIFIC TELEPHONE  
CABLES UNDERGROUND  
BEFORE EXCAVATING  
CALL COLLECT:  
7:30 A.M. to 5 P.M. & Holidays  
Orange County 714-635-0811  
Riverside County 714-684-0071

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: *Carle* DRAWN BY: *W. G. S. J.* CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: 1-19-70  
PRINCIPAL ENGINEER  
DIRECTOR OF PUBLIC WORKS

CHIEF PUB. WKS. ENGR. *[Signature]*

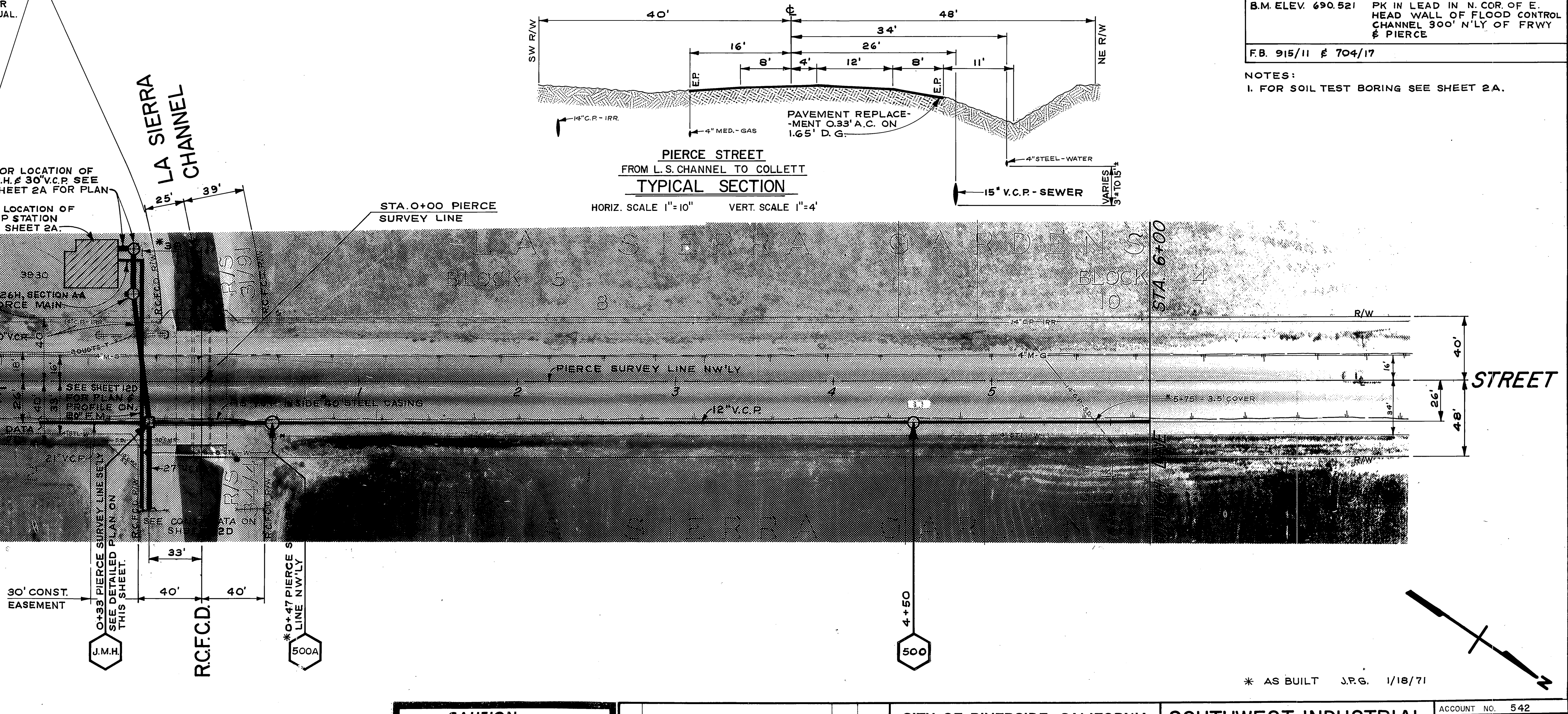
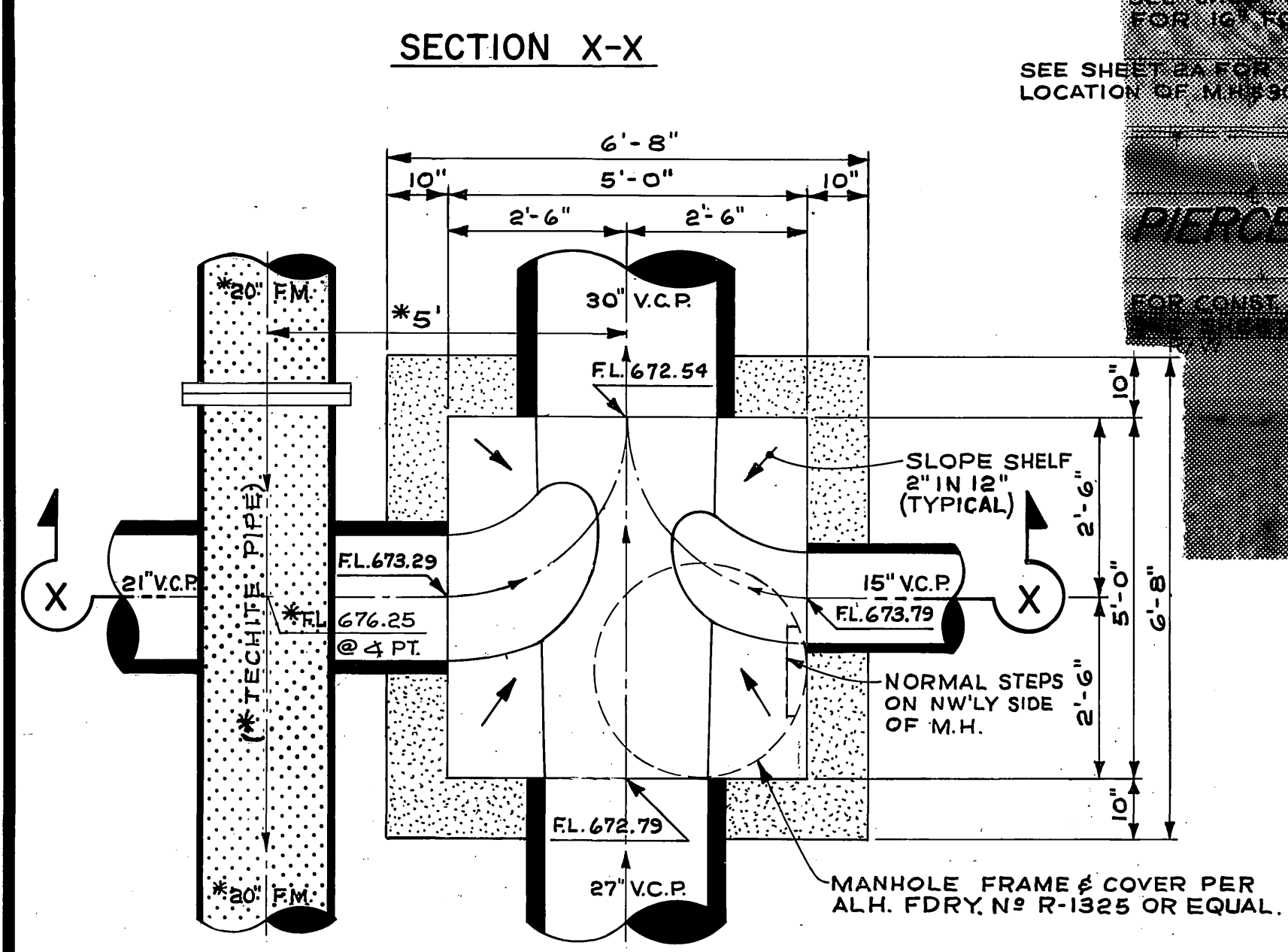
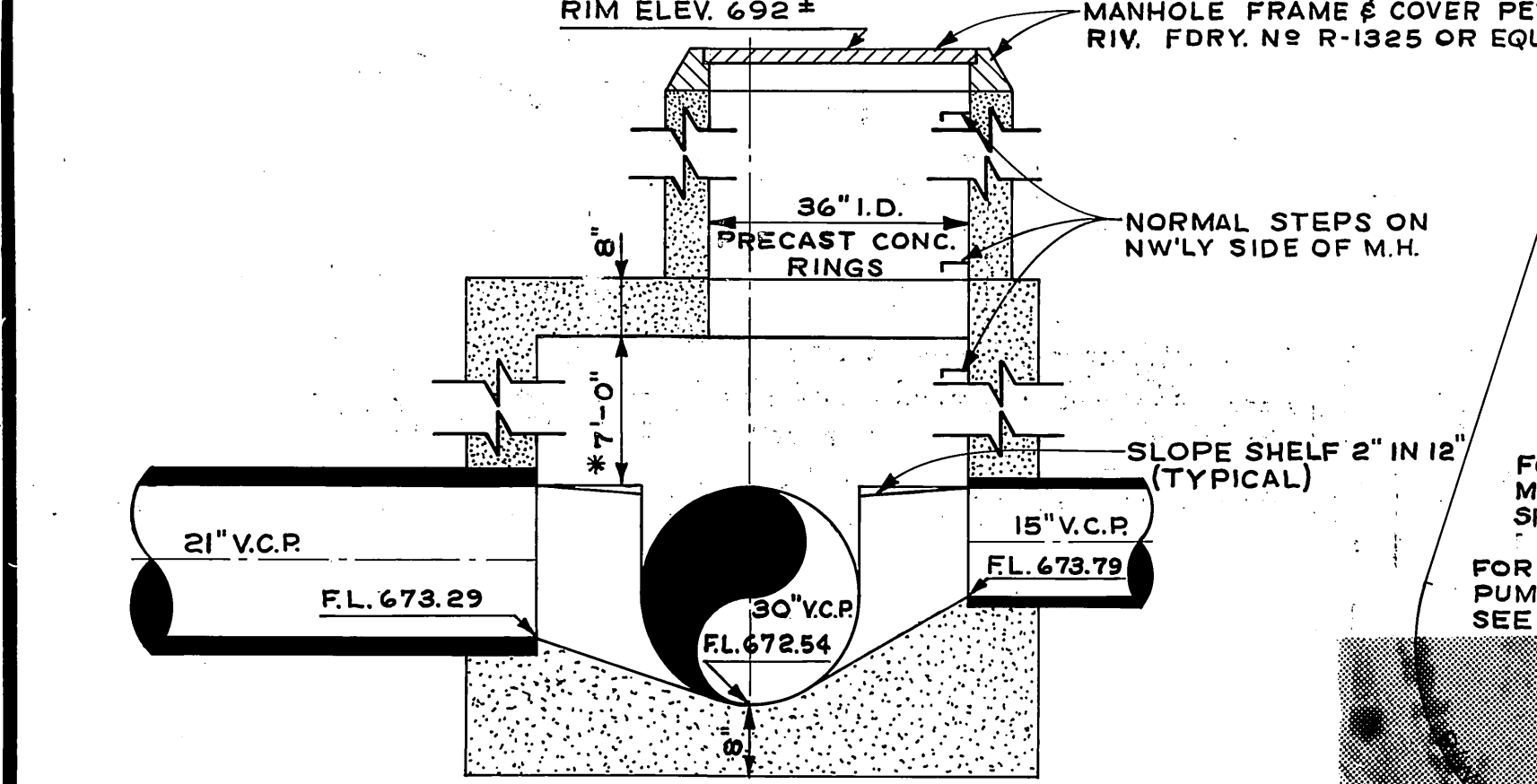
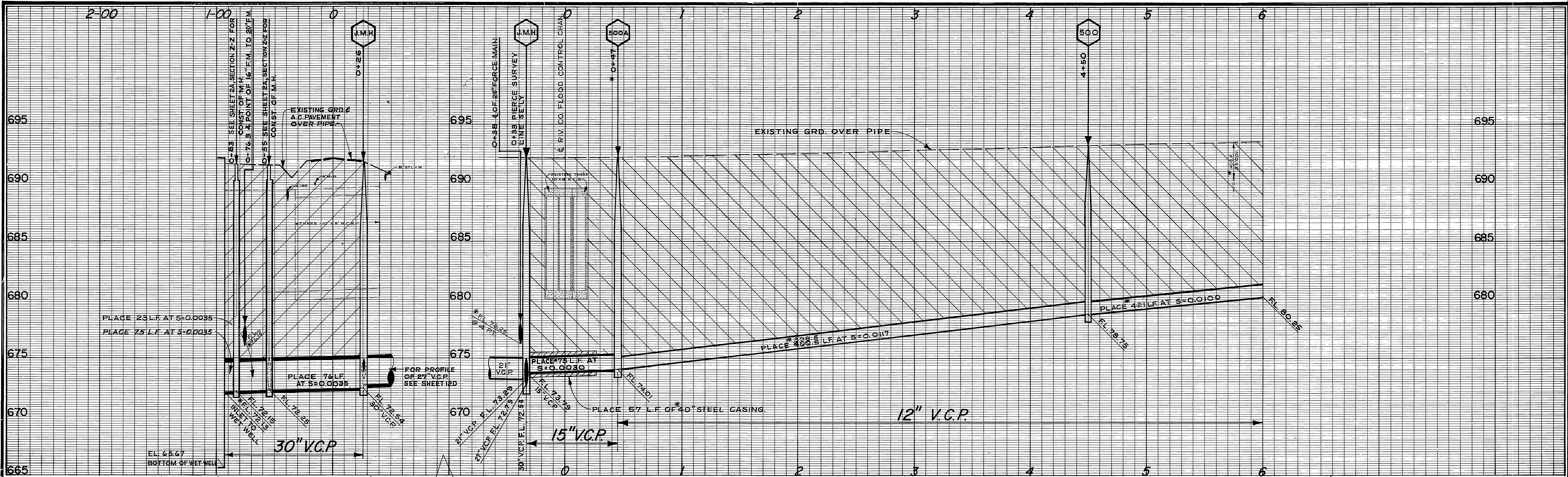
**SOUTHWEST INDUSTRIAL  
SEWER SYSTEM**

PIERCE STR. PUMP STATION  
PLOT PLAN & DETAILS

SCALE: AS SHOWN

ACCOUNT No. 542  
DRAWING NUMBER  
**S-762**  
SHEET 2A OF 27  
EDA-07-1-00553

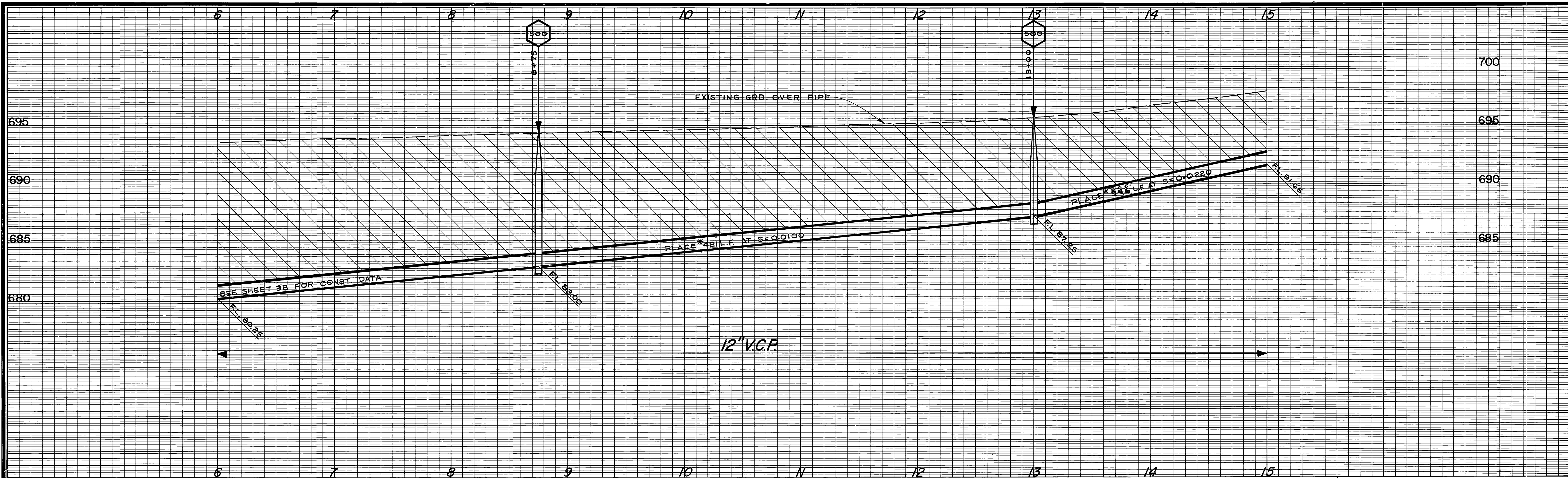
\* AS BUILT J.P.G. 1/12/71  
FB 936 & 938



B.M. ELEV. 690.521 PK IN LEAD IN N. COR. OF E. HEAD WALL OF FLOOD CONTROL CHANNEL 300' N'LY OF FRWY & PIERCE  
 F.B. 9/15/11 & 7/04/17  
 NOTES:  
 1. FOR SOIL TEST BORING SEE SHEET 2A.

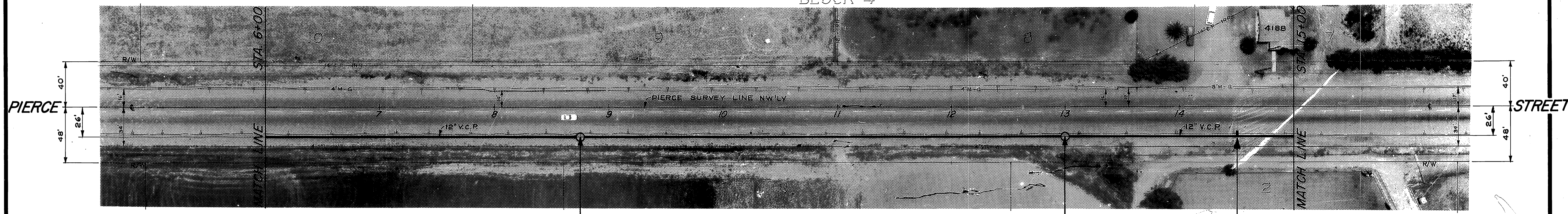
<p align="center"><b>-CAUTION-</b>  <b>PACIFIC TELEPHONE</b>  <b>CABLES UNDERGROUND</b>  <b>BEFORE EXCAVATING</b>  <b>CALL COLLECT:</b></p> <p>7:30 A.M. to 5 P.M. &amp; Holidays        Orange County 714-633-0811        Riverside County 714-684-0071</p>	<p align="center">CITY OF RIVERSIDE, CALIFORNIA          PUBLIC WORKS DEPARTMENT</p>		<p align="center">ACCOUNT NO. 542          DRAWING NUMBER  <b>S-762</b></p>	
	<p>APPROVED BY: [Signature] DATE: 1-19-70          PRINCIPAL ENGINEER</p>		<p>APPROVED BY: [Signature] DATE: 1-19-70          DIRECTOR OF PUBLIC WORKS</p>	
<p>DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]</p>		<p>HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'</p>		<p>EDS-07-1-00553</p>

\* AS BUILT J.P.G. 1/18/71



B.M. ELEV. 690.521 PK NAIL IN LEAD IN N. COR. OF E. HEADWALL OF FLOOD CONTROL CHANNEL 300' N'LY OF FRWY KING & PIERCE.  
 B.M. ELEV. 713.971 RR SPIKE IN POLE N° 1189940-E ON W SIDE OF PIERCE @ THE E OF COLLETT AVE. PRODUCED.  
 F.B. 844/44

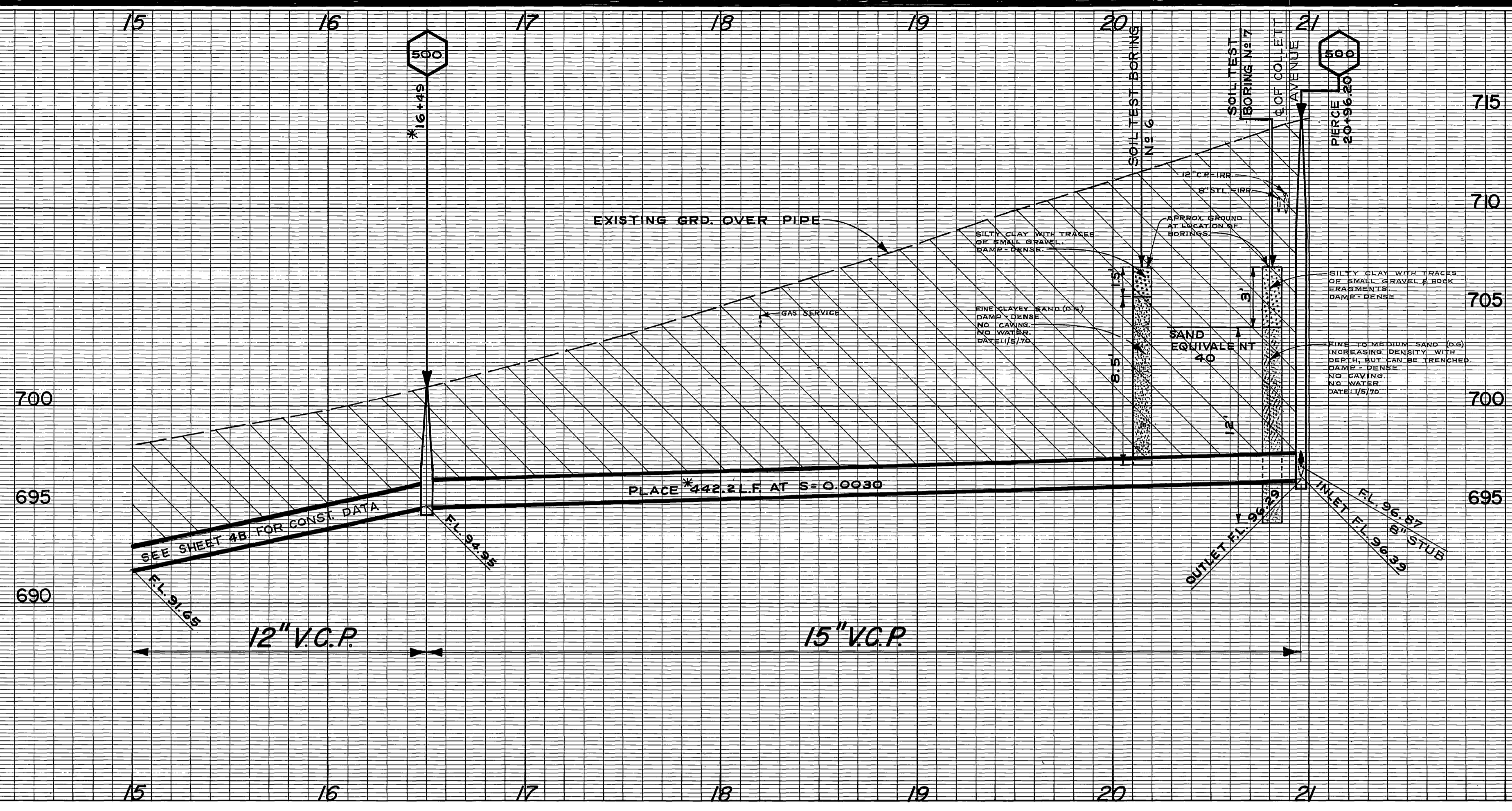
LA SIERRA GARDENS  
 BLOCK 4



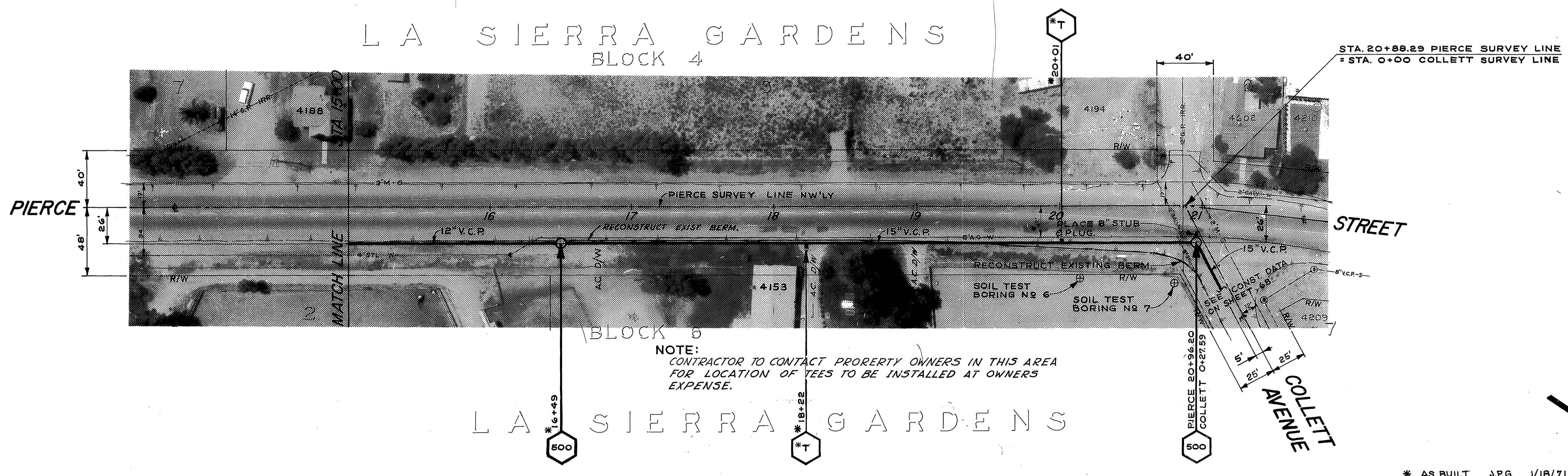
BLOCK 6  
 LA SIERRA GARDENS

\* AS BUILT J.P.G. 1/18/71

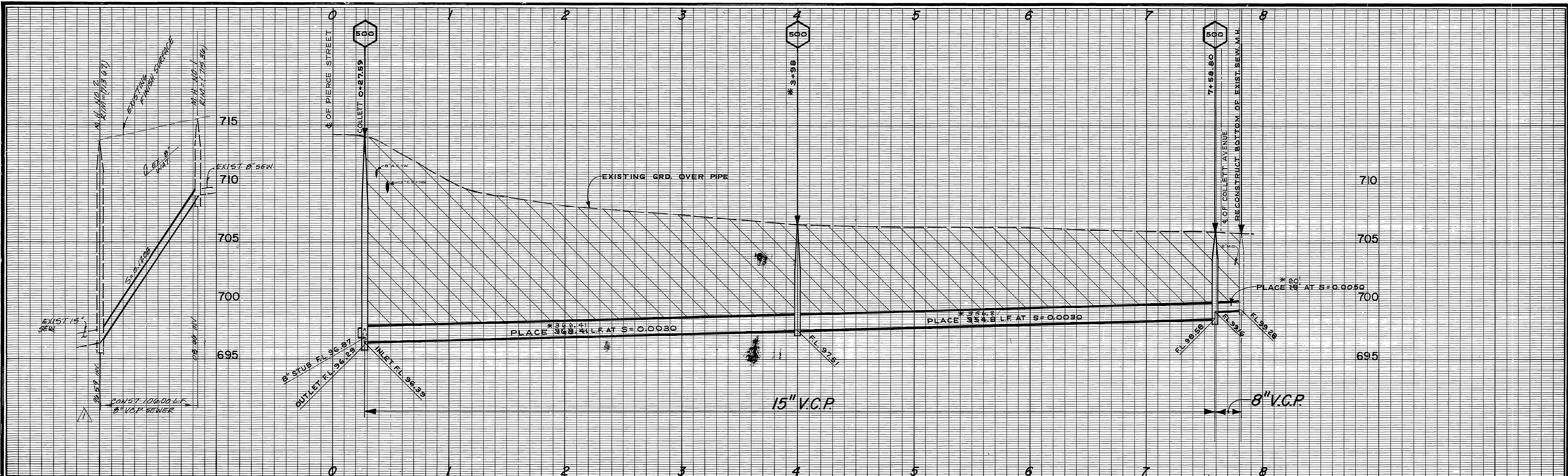
CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		SOUTHWEST INDUSTRIAL SEWER SYSTEM		ACCOUNT NO. 542 DRAWING NUMBER
APPROVED BY	BY	DATE	APPROVED BY	S-762
PRINCIPAL ENGINEER	J.P.G.	1/18/71	J.P.G.	
MARK DEPARTMENT	CHIEF PUB. WKS. ENGR.	DATE	DIRECTOR OF PUBLIC WORKS	SHEET 4B OF 27
DESIGNED BY: J. Gault	DRAWN BY: J. Gault	CHECKED BY: DCH	DATE: 1-19-70	EDA-07-1-00553



B.M. ELEV. 713.971 R.R. SPIKE IN POLE N° 1189940-E ON W SIDE OF PIERCE @ THE E OF COLLETT AVE. PRODUCED  
 F.B. 844/44

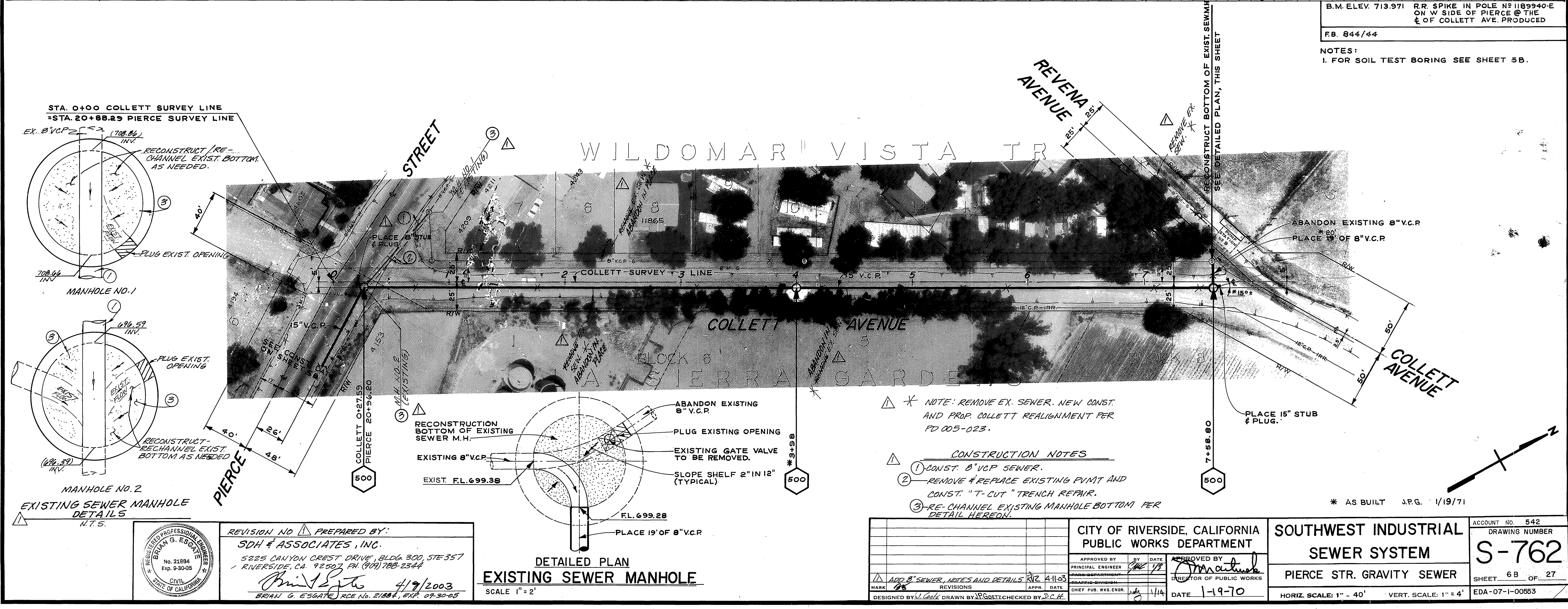


CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		SOUTHWEST INDUSTRIAL SEWER SYSTEM		ACCOUNT NO. 542 DRAWING NUMBER
APPROVED BY: [Signature] DATE: 1-19-70		APPROVED BY: [Signature] DATE: 1-19-70		S-762
PRINCIPAL ENGINEER		DIRECTOR OF PUBLIC WORKS		
DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]		DATE: 1-19-70		SHEET 5B OF 27
MARK REVISIONS APPR. DATE		HORIZ. SCALE: 1" = 40'		EDA-07-1-00553



B.M. ELEV. 713.971 R.R. SPIKE IN POLE NO. 1189940-E ON W SIDE OF PIERCE @ THE E OF COLLETT AVE. PRODUCED  
 F.B. 844/44

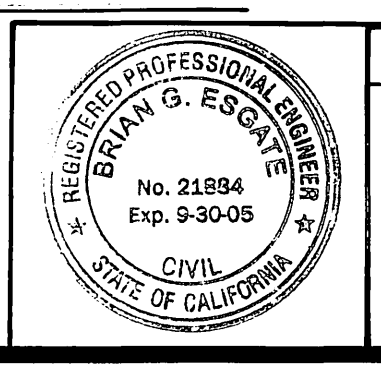
NOTES:  
 1. FOR SOIL TEST BORING SEE SHEET 5B.



NOTE: REMOVE EX. SEWER. NEW CONST. AND PROP. COLLETT REALIGNMENT PER PD 005-023.

- CONSTRUCTION NOTES
- 1) CONST. 8" V.C.P. SEWER.
  - 2) REMOVE & REPLACE EXISTING PUMPT AND CONST. "T-CUT" TRENCH REPAIR.
  - 3) RE-CHANNEL EXISTING MANHOLE BOTTOM PER DETAIL HEREON.

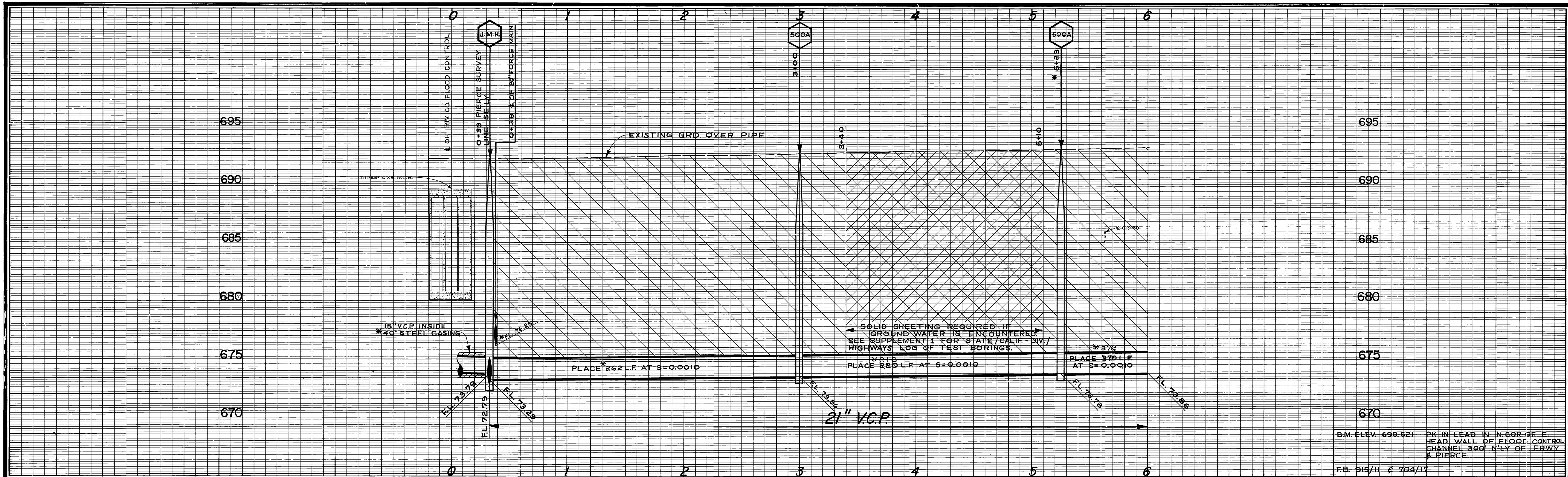
\* AS BUILT J.P.G. 1/19/71



REVISION NO. 1 PREPARED BY:  
 SDH & ASSOCIATES, INC.  
 5225 CANYON CREST DRIVE, BLDG 300, STE 357  
 RIVERSIDE, CA. 92507, PH. (951) 788-2344  
 Brian G. Esgate 4/9/2003  
 BRIAN G. ESGATE RCE No. 21884, Exp. 09-30-05

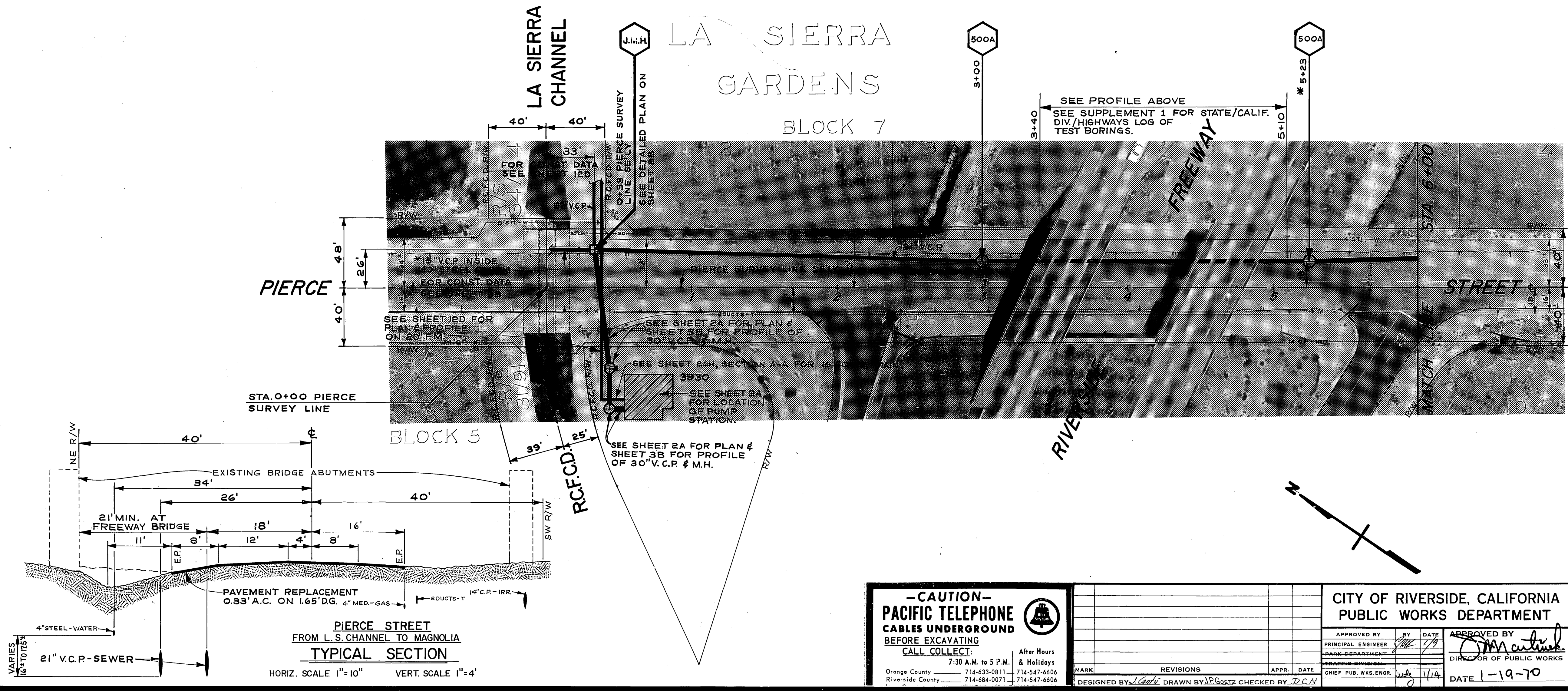
DETAILED PLAN  
 EXISTING SEWER MANHOLE  
 SCALE 1" = 2'

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		SOUTHWEST INDUSTRIAL SEWER SYSTEM		ACCOUNT NO. 542 DRAWING NUMBER <b>S-762</b>
APPROVED BY PRINCIPAL ENGINEER DATE 1/19/70	BY DATE 1/19/70	APPROVED BY DIRECTOR OF PUBLIC WORKS DATE 1-19-70		SHEET 6B OF 27
DESIGNED BY DRAWN BY CHECKED BY	DATE 1/19/70	HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'		EDA-07-1-00583



B.M. ELEV. 690.521 PK. IN LEAD IN N. COR. OF E. HEAD WALL OF FLOOD CONTROL CHANNEL 300' N'LY OF FRWY & PIERCE.  
 FEB. 215/11 & 704/17

NOTES:  
 1. FOR SOIL TEST BORING SEE SHEET 2A, & SUPPLEMENT 1.



\* AS BUILT J.P.G. 1/19/71

**-CAUTION-**  
**PACIFIC TELEPHONE**  
**CABLES UNDERGROUND**  
**BEFORE EXCAVATING**  
**CALL COLLECT:**  
 7:30 A.M. to 5 P.M. After Hours & Holidays  
 Orange County 714-633-0811 714-547-6606  
 Riverside County 714-684-0071 714-547-6606

MARK	REVISIONS	APPR.	DATE

DESIGNED BY *[Signature]* DRAWN BY J.P.G. CHECKED BY J.P.G.

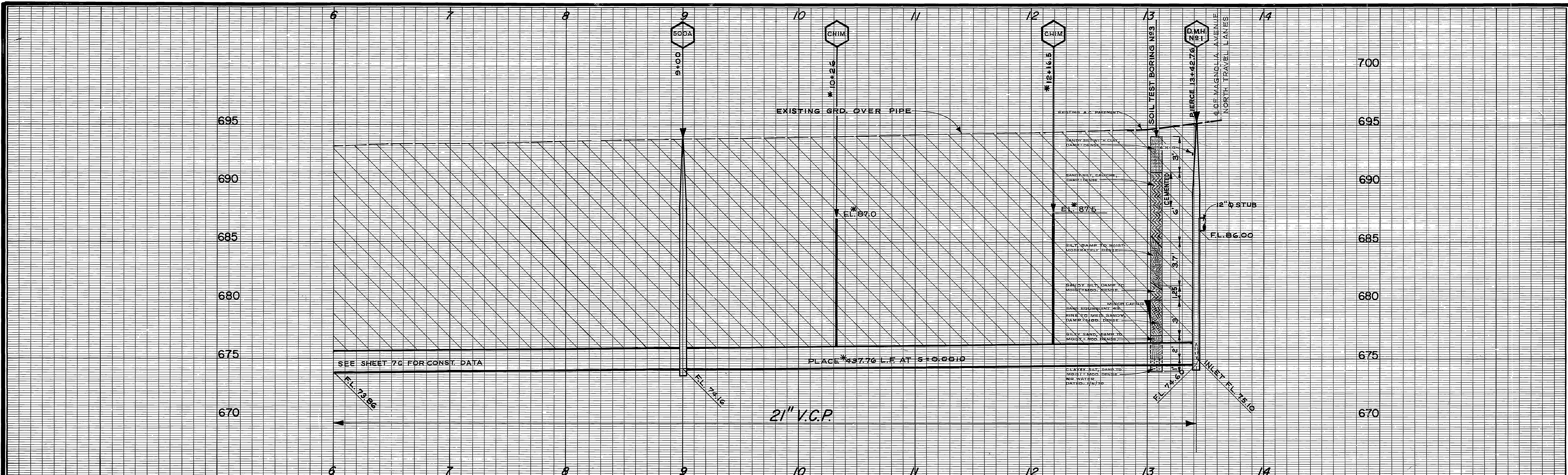
CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* BY: *[Signature]* DATE: 1-19-70  
 PRINCIPAL ENGINEER: *[Signature]*  
 CHIEF PUB. WKS. ENGR. *[Signature]*

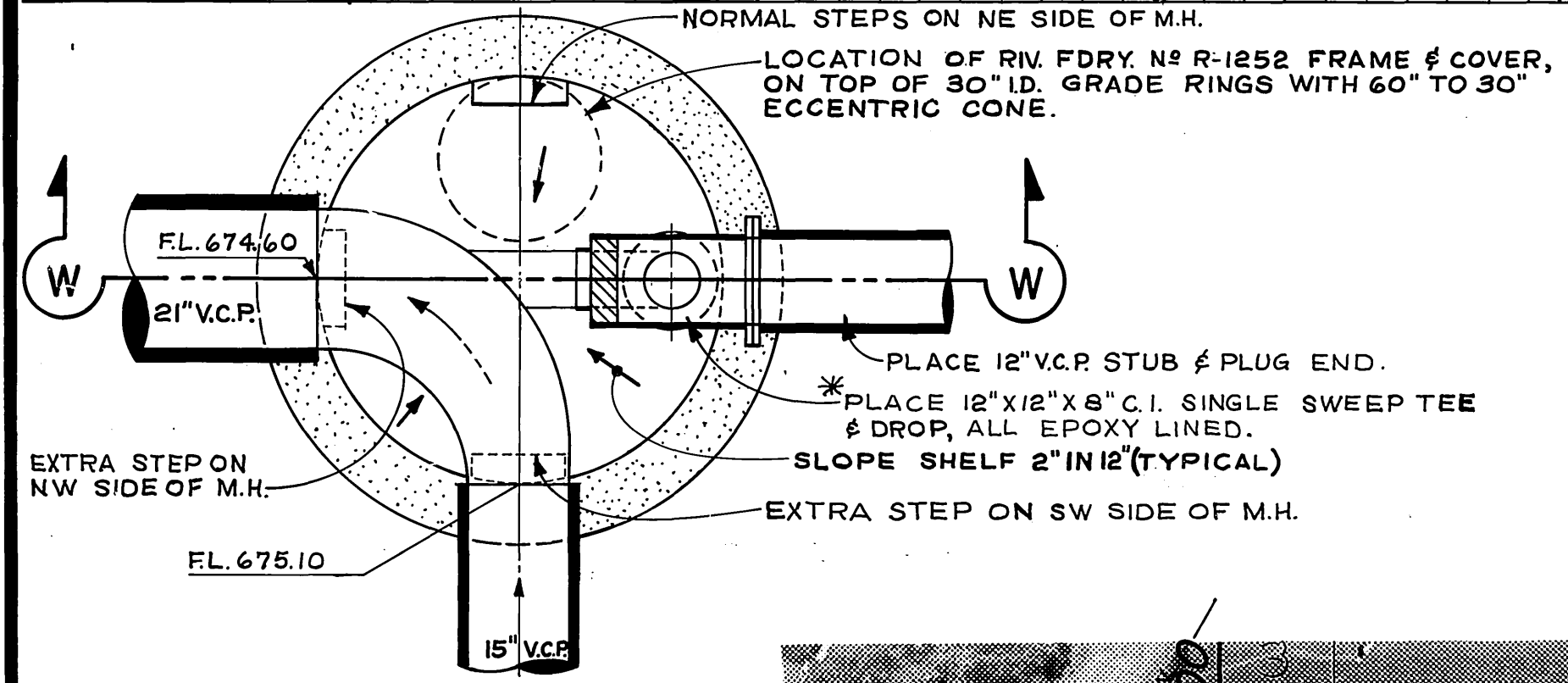
**SOUTHWEST INDUSTRIAL SEWER SYSTEM**  
**MAGNOLIA AVE. GRAVITY SEWER**

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

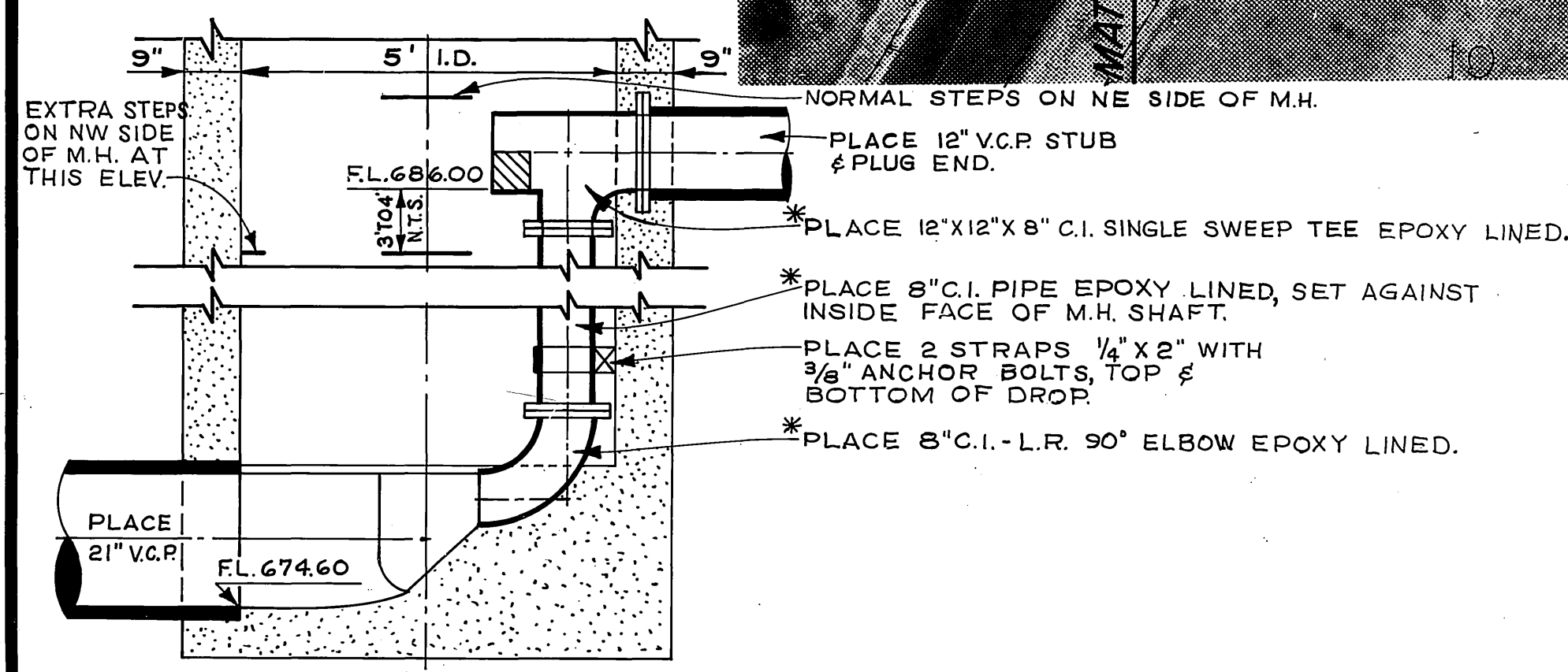
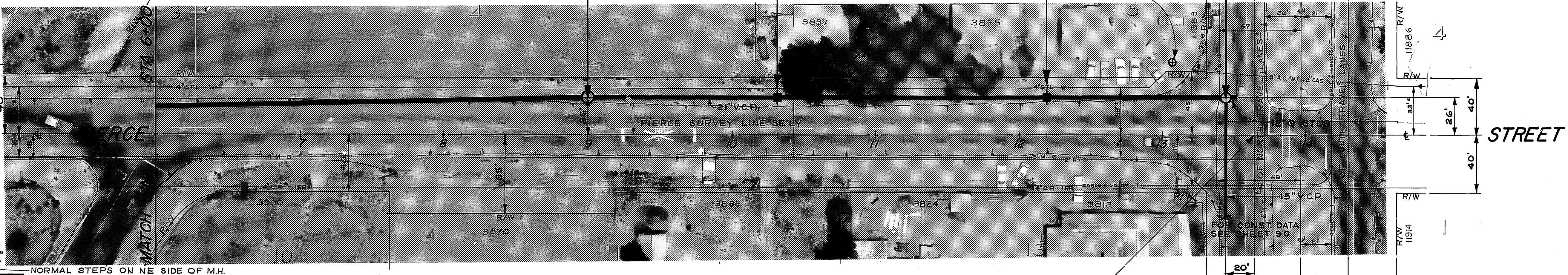
ACCOUNT NO. 542  
 DRAWING NUMBER **S-762**  
 SHEET 7C OF 27  
 EDA-07-1-00553



B.M. ELEV. 697.626 R.R. SPIKE IN POLE NO 29987-J  
 AT SW CORNER PIERCE AND  
 MAGNOLIA  
 F.B. 704/16 & 844/43



**DETAILED PLAN  
 DROP MANHOLE No. 1**  
 SCALE 1" = 2'



**SECTION W-W**  
 SCALE 1" = 2'

LA SIERRA GARDENS

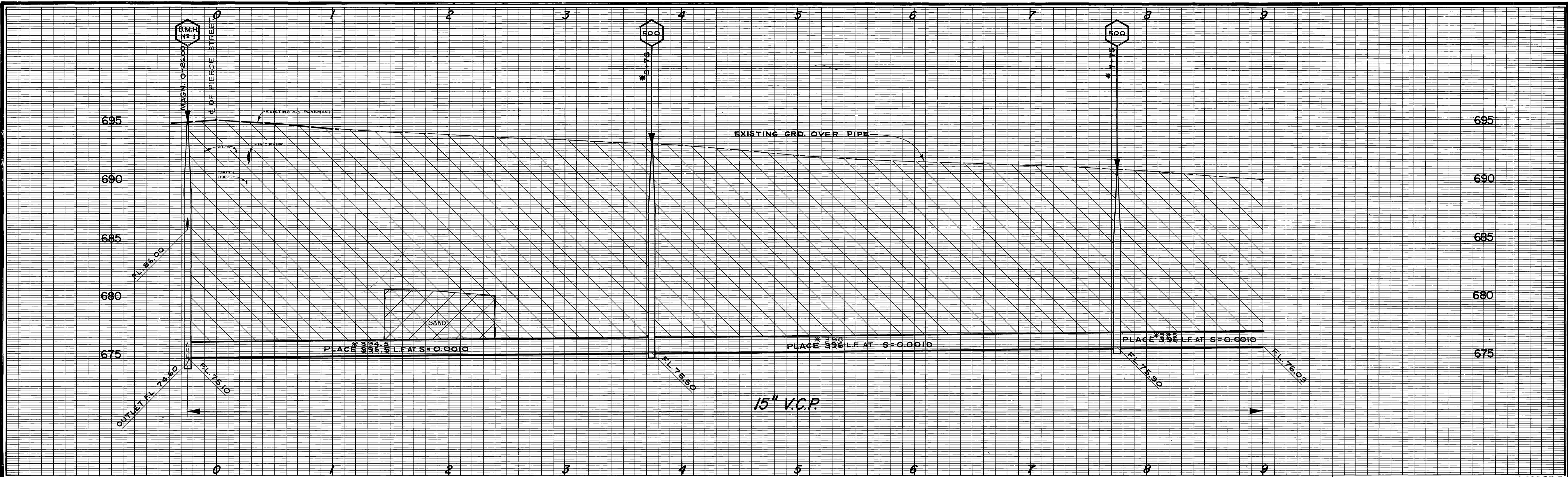
BLOCK 5  
 LA SIERRA GARDENS

STA. 13+62.76 PIERCE SURVEY LINE  
 = STA. 0+00 MAGN. SURVEY LINE

\* AS BUILT J.R.G. 1/19/71

<b>-CAUTION-</b> <b>PACIFIC TELEPHONE</b> <b>CABLES UNDERGROUND</b> <b>BEFORE EXCAVATING</b> CALL COLLECT: 7:30 A.M. to 5 P.M. & Holidays Orange County 714-633-0811 After Hours 714-547-6606 Riverside County 714-684-0071 714-547-6606		CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		ACCOUNT NO. 542 DRAWING NUMBER <b>S-762</b>	
APPROVED BY: <i>[Signature]</i> PRINCIPAL ENGINEER DATE: 1/14/70		APPROVED BY: <i>[Signature]</i> DIRECTOR OF PUBLIC WORKS DATE: 1-19-70		SHEET 8 C OF 27 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4' EDA-07-1-00553	
DESIGNED BY: <i>[Signature]</i> DRAWN BY: JRG/GETZ CHECKED BY: DCH		REVISIONS: _____ APPR. DATE: _____			

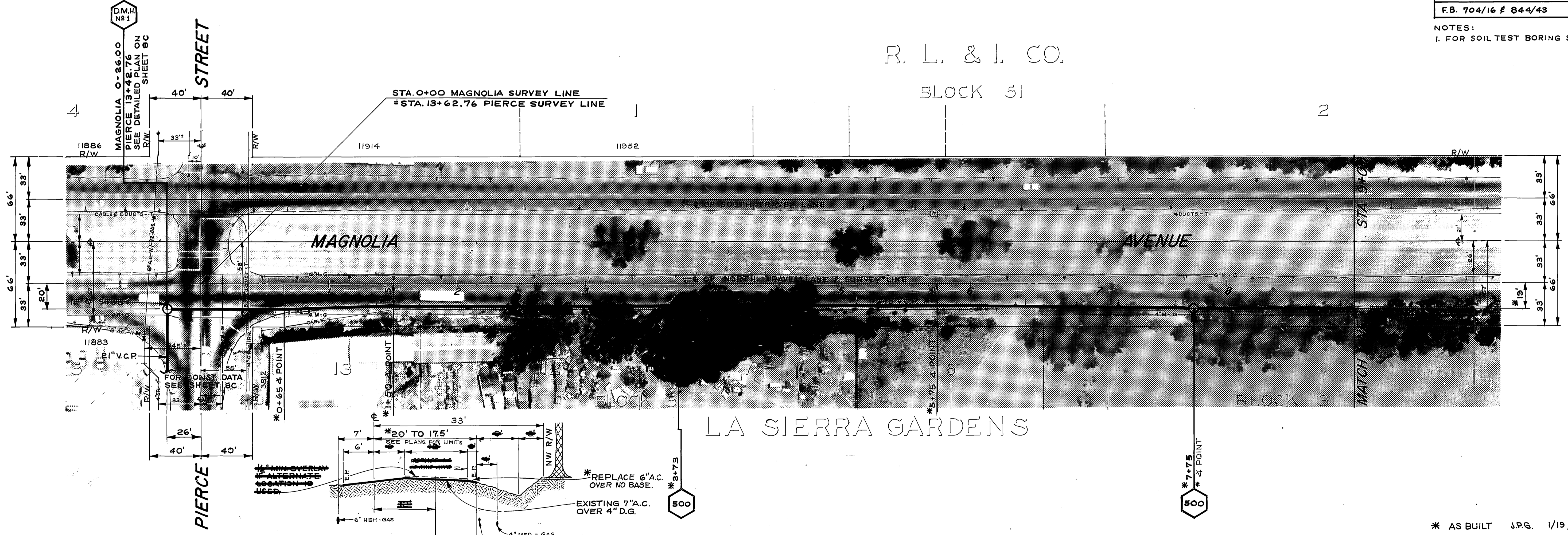




B.M. ELEV. 697.626 R.R. SPIKE IN POLE No 29987-J  
AT SW CORNER PIERCE AND  
MAGNOLIA  
F.B. 704/16 & 844/43

NOTES:  
1. FOR SOIL TEST BORING SEE SHEET 8C.

R. L. & I. CO.  
BLOCK 51



ALTERNATE LOCATION  
SPECIAL PROVISIONS  
MAGNOLIA AVENUE  
FROM PIERCE TO BUCHANAN  
TYPICAL SECTION  
HORIZ. SCALE 1"=10'  
VERT. SCALE 1"=4'

**-CAUTION-**  
**PACIFIC TELEPHONE**  
**CABLES UNDERGROUND**  
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7:30 A.M. to 5 P.M. & Holidays  
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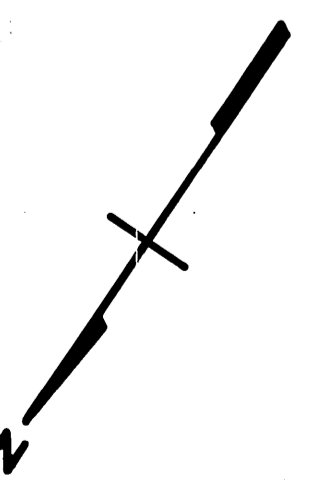
REVISIONS	APPR.	DATE

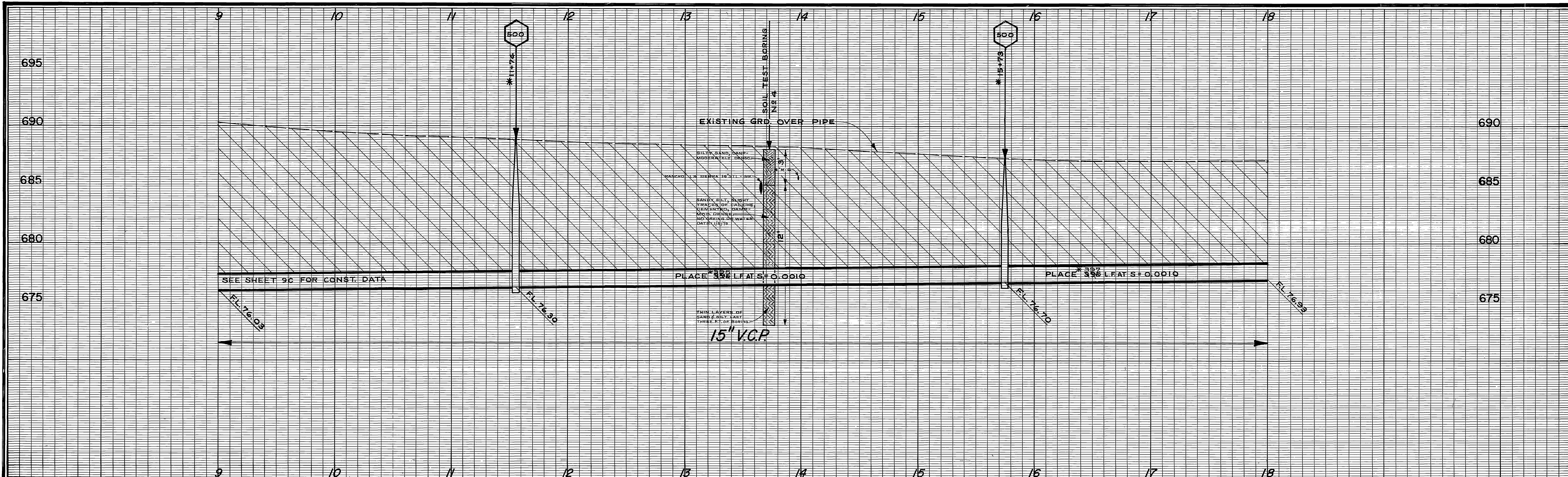
CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
APPROVED BY: [Signature]  
DATE: 1-19-70  
DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]

SOUTHWEST INDUSTRIAL  
SEWER SYSTEM  
MAGNOLIA AVE. GRAVITY SEWER  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 4'

ACCOUNT NO. 542  
DRAWING NUMBER  
**S-762**  
SHEET 9C OF 27  
EDA-07-1-00553

\* AS BUILT J.P.G. 1/19/71

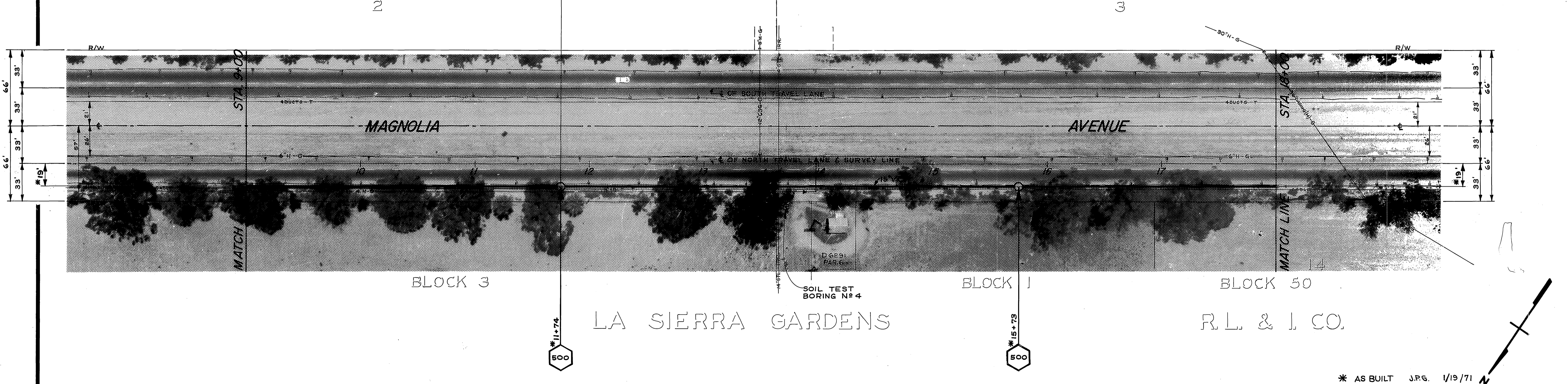




\* PLEASE NOTE: "IN CASE OF PUMP FAILURE AT PIERCE STREET PUMP STATION, SEWAGE WILL FLOOD TO ELEVATION 686.50 . LATERALS MAY NEED BACK FLOW PREVENTORS."

B.M. ELEV. 697.626 RR SPIKE IN POLE NO 29987-J AT SW CORNER PIERCE AND MAGNOLIA  
 B.M. ELEV. 686.405 PK NAIL & TAG IN LEAD IN CULVERT HEAD WALL ON NWLY COR. MAGNOLIA & BUCHANAN  
 F.B. 704/16, 044/42

R. L. & I. CO.  
 BLOCK 51



\* AS BUILT J.R.G. 1/19/71

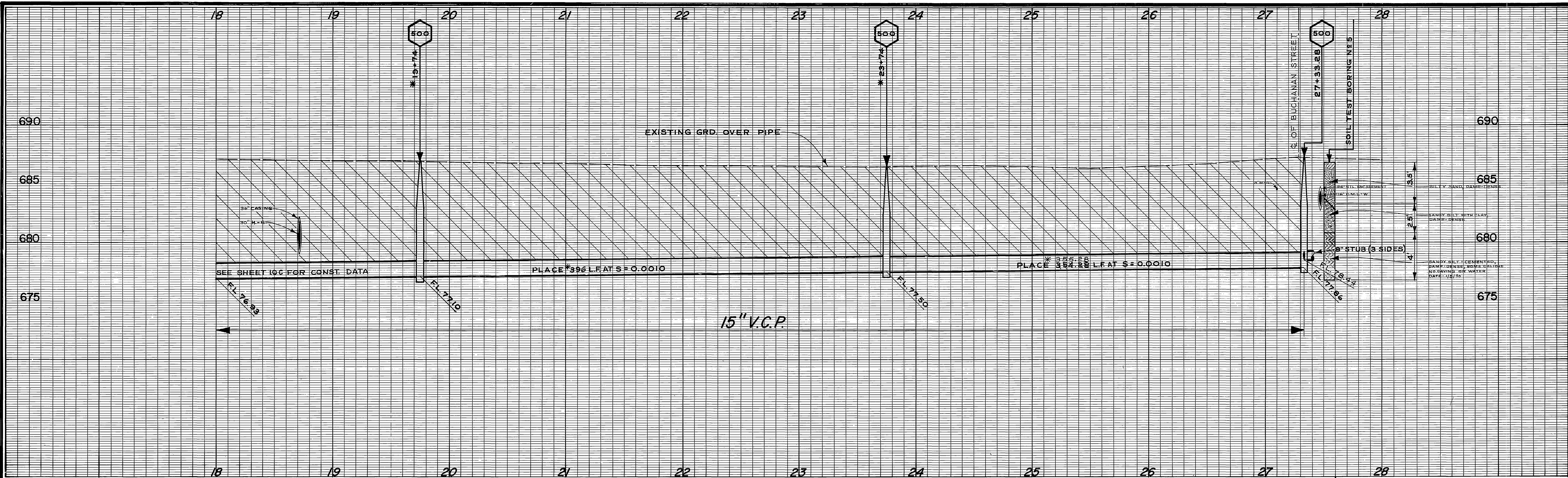
**-CAUTION-**  
**PACIFIC TELEPHONE**  
**CABLES UNDERGROUND**  
**BEFORE EXCAVATING**  
**CALL COLLECT:**  
 7:30 A.M. to 5 P.M. & Holidays  
 Orange County 714-633-0811  
 Riverside County 714-684-0071

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: [Signature]  
 PRINCIPAL ENGINEER  
 DATE: 1-19-70  
 TRAFFIC DIVISION  
 CHIEF PUB. WORKS ENGR.

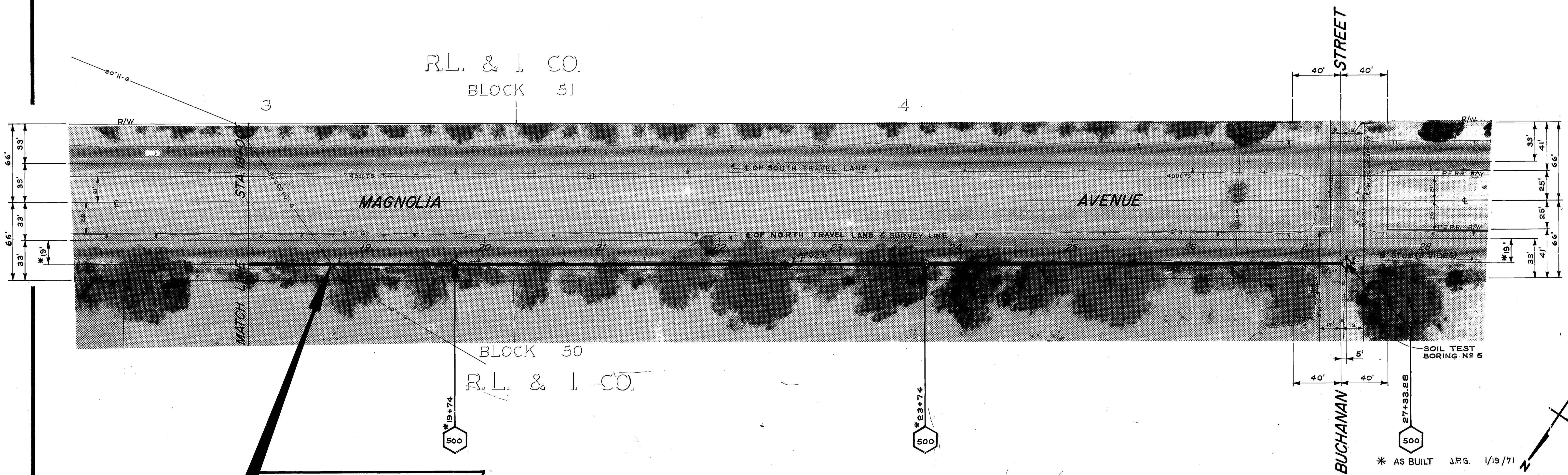
SOUTHWEST INDUSTRIAL  
 SEWER SYSTEM  
 MAGNOLIA AVE. GRAVITY SEWER  
 HORIZ. SCALE: 1" = 40'  
 VERT. SCALE: 1" = 4'

ACCOUNT NO. 542  
 DRAWING NUMBER  
**S-762**  
 SHEET 10C OF 27  
 EDA-07-1-00553



\* PLEASE NOTE: "IN CASE OF PUMP FAILURE AT PIERCE STREET PUMP STATION, SEWAGE WILL FLOOD TO ELEVATION 686.50. LATERALS MAY NEED BACK FLOW PREVENTORS."

B.M. ELEV. 686.405 PK NAIL & TAG IN LEAD IN CULVERT HEAD WALL ON NWLY COR. MAGNOLIA & BUCHANAN  
F.B. 844/42



**CAUTION**  
HIGH PRESSURE GAS LINE

**-CAUTION-**  
PACIFIC TELEPHONE  
CABLES UNDERGROUND  
BEFORE EXCAVATING  
CALL COLLECT:  
7:30 A.M. to 5 P.M. & Holidays  
After Hours  
Orange County 714-633-0811 714-547-6606  
Riverside County 714-984-0071 714-547-6606

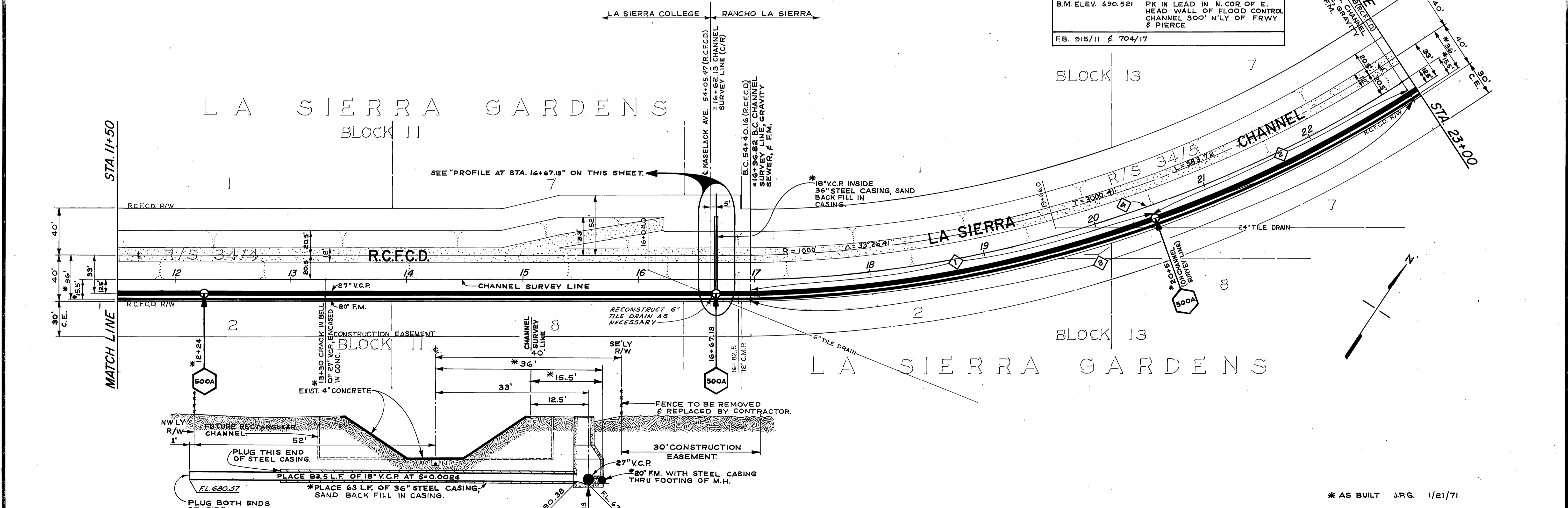
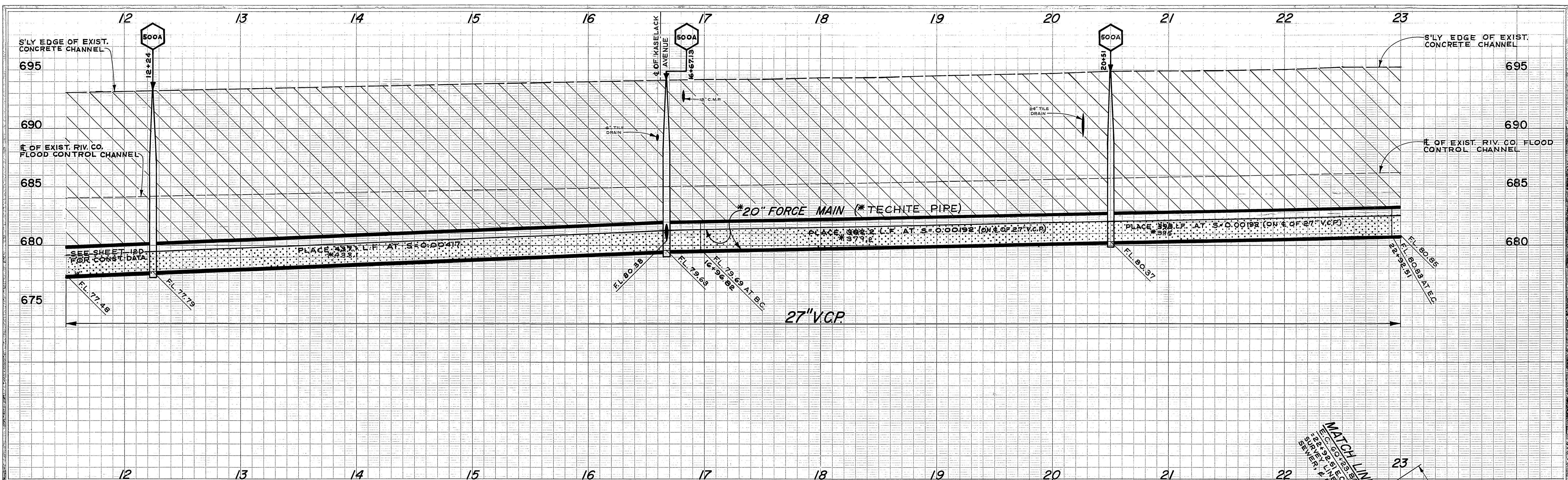
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
APPROVED BY: [Signature] DATE: 1-19-70  
PRINCIPAL ENGINEER  
TRAFFIC DIVISION  
CHIEF PUB. WKS. ENGR.

SOUTHWEST INDUSTRIAL  
SEWER SYSTEM  
MAGNOLIA AVE. GRAVITY SEWER  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 4'

ACCOUNT NO. 542  
DRAWING NUMBER  
**S-762**  
SHEET 11C OF 27  
EDA-07-1-00553





COMPLETE CURVE DATA

INDEX	R	Δ	T	L
1	1033'	19°49'45"	180.56'	357.50'
2	1033'	13°36'56"	123.32'	245.48'
3	1038'	33°26'41"	311.86'	605.90'
4	1020.5'	33°26'41"	306.60'	595.69'

PROFILE AT STA. 16+67.13  
SCALE 1" = 10'

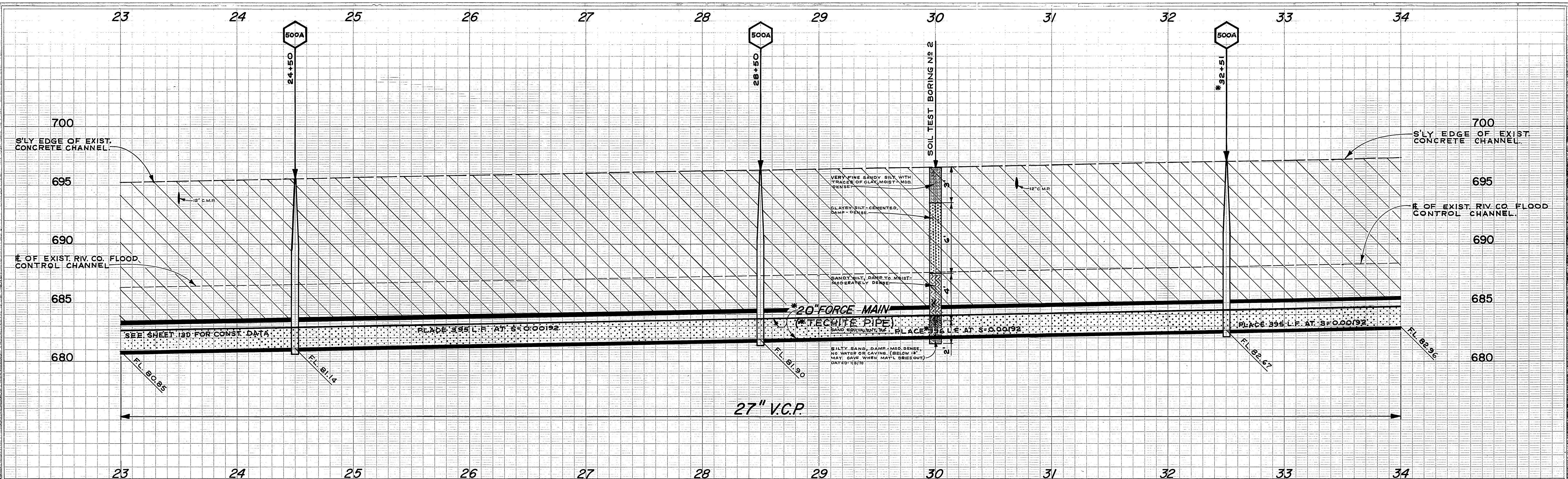
B.M. ELEV. 690.521 PK IN LEAD IN N. COR OF E. HEAD WALL OF FLOOD CONTROL CHANNEL 300' N'LY OF FRWY & PIERCE  
FB. 915/11 & 704/17

\* AS BUILT J.R.G. 1/21/71

CITY OF RIVERSIDE, CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
APPROVED BY: [Signature]  
OFFICE ENGINEER: [Signature]  
DATE: 1-19-70

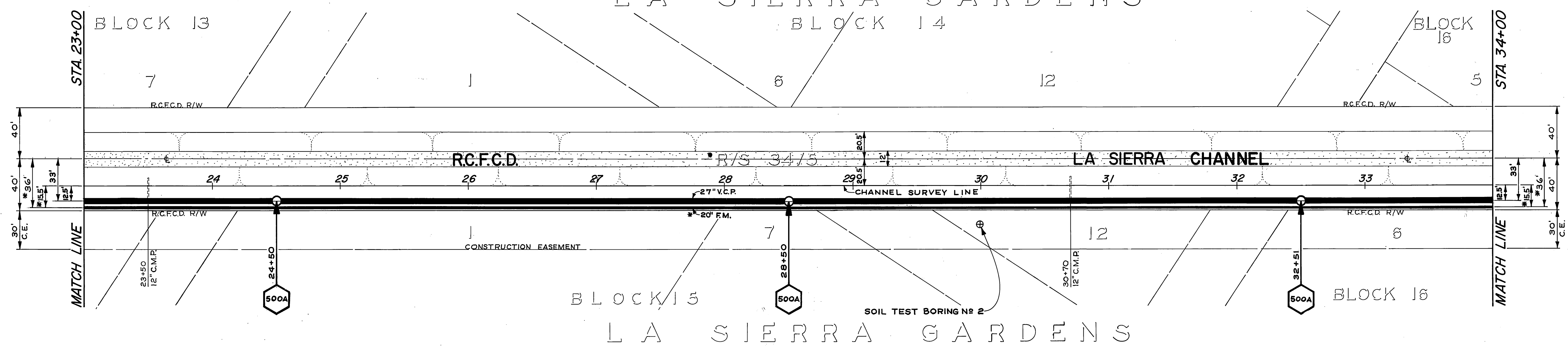
SOUTHWEST INDUSTRIAL  
SEWER SYSTEM  
R.C.F.C.D. LA SIERRA CHANNEL  
FORCE MAIN & GRAVITY SEWER  
HORIZ. SCALE: 1" = 40'  
VERT. SCALE: 1" = 4'

PROJECT NO. 542  
DRAWING NUMBER  
S-762  
SHEET 13D OF 27  
EDA-07-1-00553



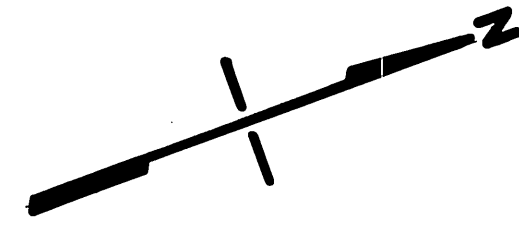
B.M. ELEV. 690.521 PK IN LEAD IN N. COR. OF E. HEAD WALL OF FLOOD CONTROL CHANNEL 300' N'LY OF FRWY & PIERCE  
 B.M. ELEV. 701.611 PK NAIL IN NE CB. RET. OF COLLETT & LA SIERRA  
 F.B. 915/11#12 #704/17#22

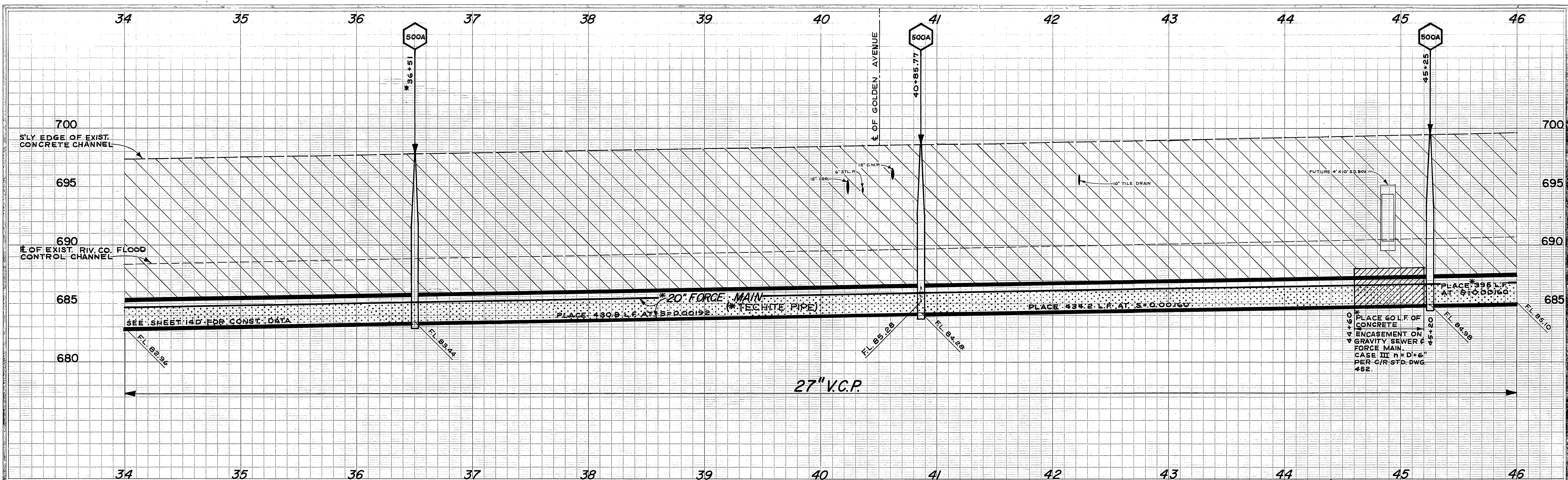
LA SIERRA GARDENS  
 BLOCK 13 BLOCK 14



\* AS BUILT J.P.G. 1/21/71

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		SOUTHWEST INDUSTRIAL SEWER SYSTEM		PROJECT NO. 542 DRAWING NUMBER <b>S-762</b>
APPROVED BY OFFICE ENGINEER <i>[Signature]</i>	BY DATE 1/19/70	APPROVED BY DIRECTOR OF PUBLIC WORKS <i>[Signature]</i>	DATE 1-19-70	SHEET 14D OF 27
DESIGNED BY: <i>[Signature]</i> DRAWN BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i>		HORIZ. SCALE: 1" = 40'		VERT. SCALE: 1" = 4'

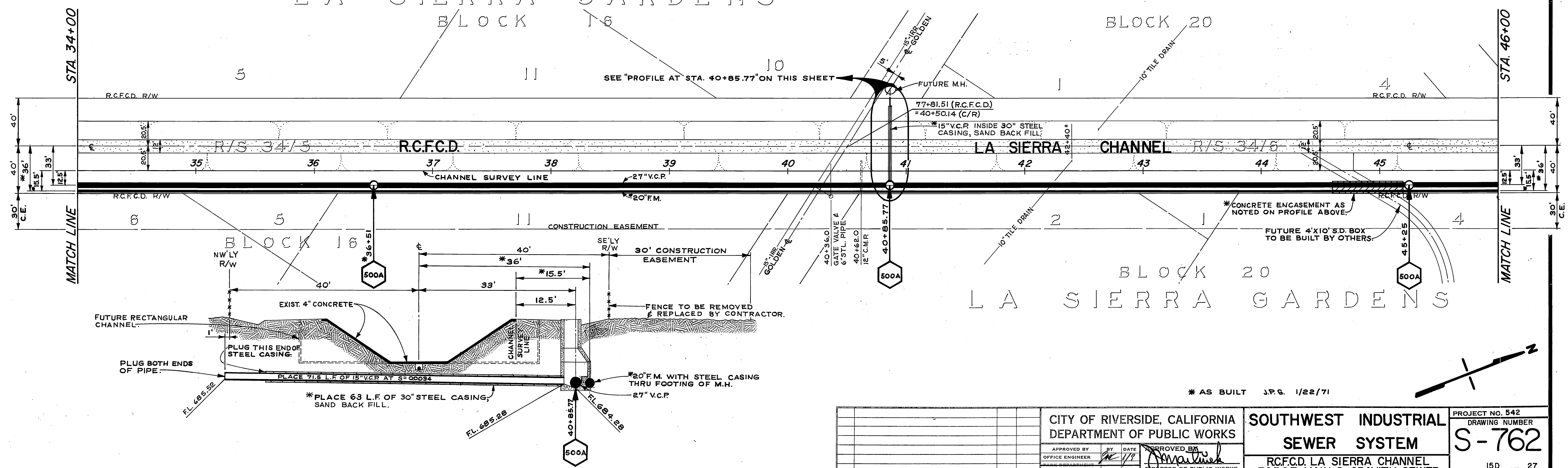




B.M. ELEV. 701.611 PK NAIL IN NE CB. RET. OF COLLETT & LA SIERRA  
 FB. 915/12 & 704/22

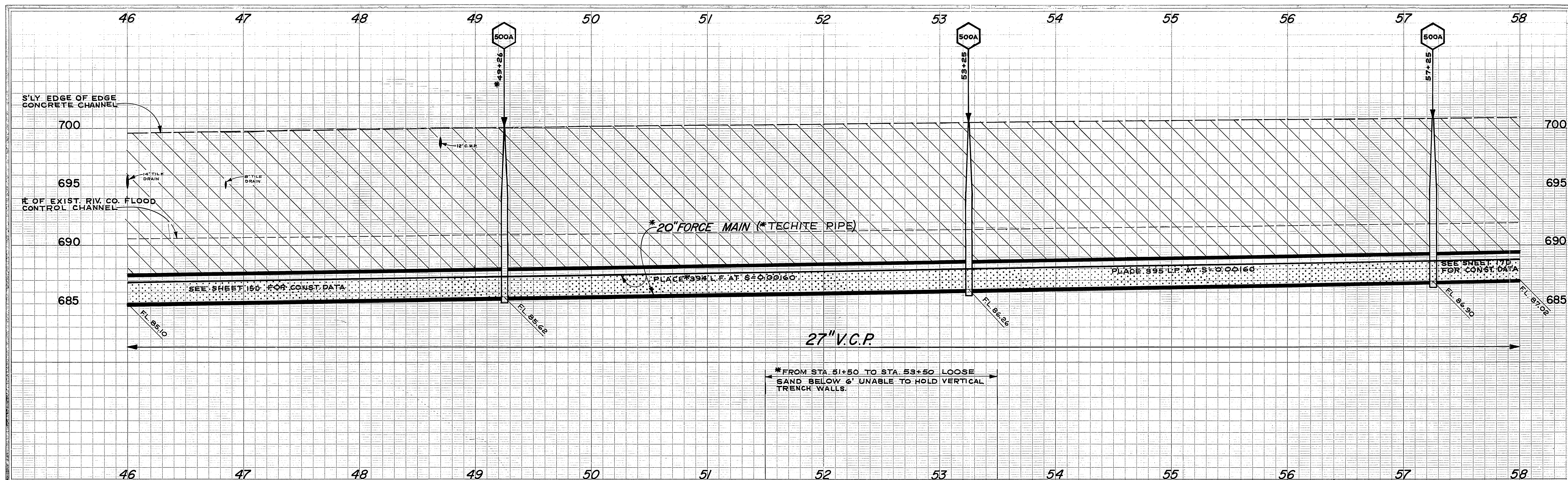
# LA SIERRA GARDENS BLOCK 16

# BLOCK 20



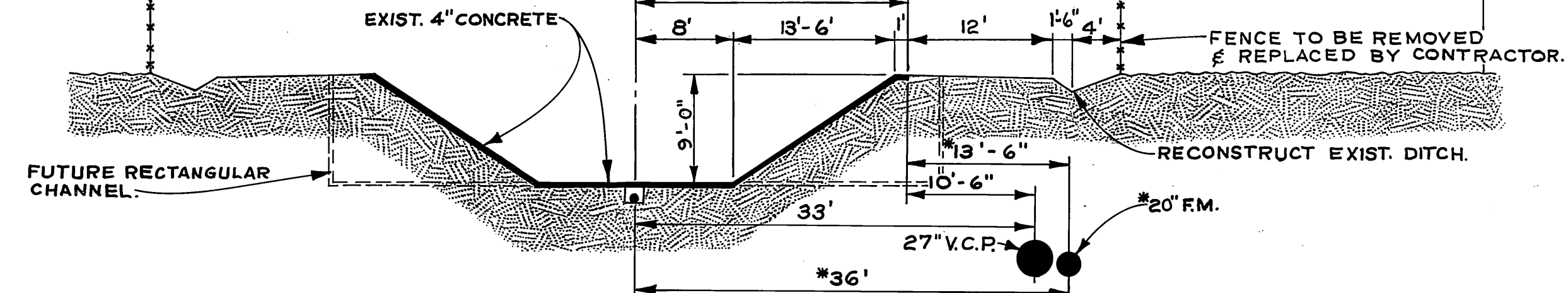
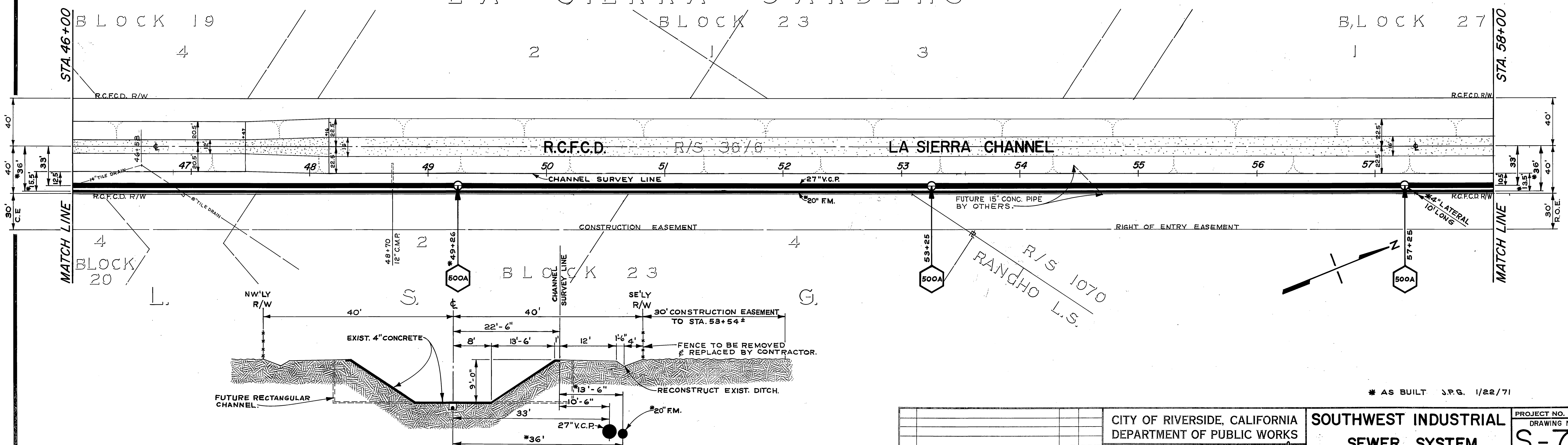
PROFILE AT STA. 40+85.77  
 SCALE 1" = 10'

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		SOUTHWEST INDUSTRIAL SEWER SYSTEM		PROJECT NO. 542 DRAWING NUMBER <b>S-762</b>
APPROVED BY OFFICE ENGINEER <i>[Signature]</i>	DATE 1/19/70	APPROVED BY DIRECTOR OF PUBLIC WORKS <i>[Signature]</i>	DATE 1-19-70	SHEET 150 OF 27
DESIGNED BY <i>[Signature]</i> DRAWN BY <i>[Signature]</i> CHECKED BY <i>[Signature]</i>		HORIZ. SCALE: 1" = 40'		VERT. SCALE: 1" = 4'



B.M. ELEV. 701.611 PK NAIL IN NE CB. RET. OF COLLETT AND LA SIERRA  
 F.B. 704/22, 915/12

# LA SIERRA GARDENS

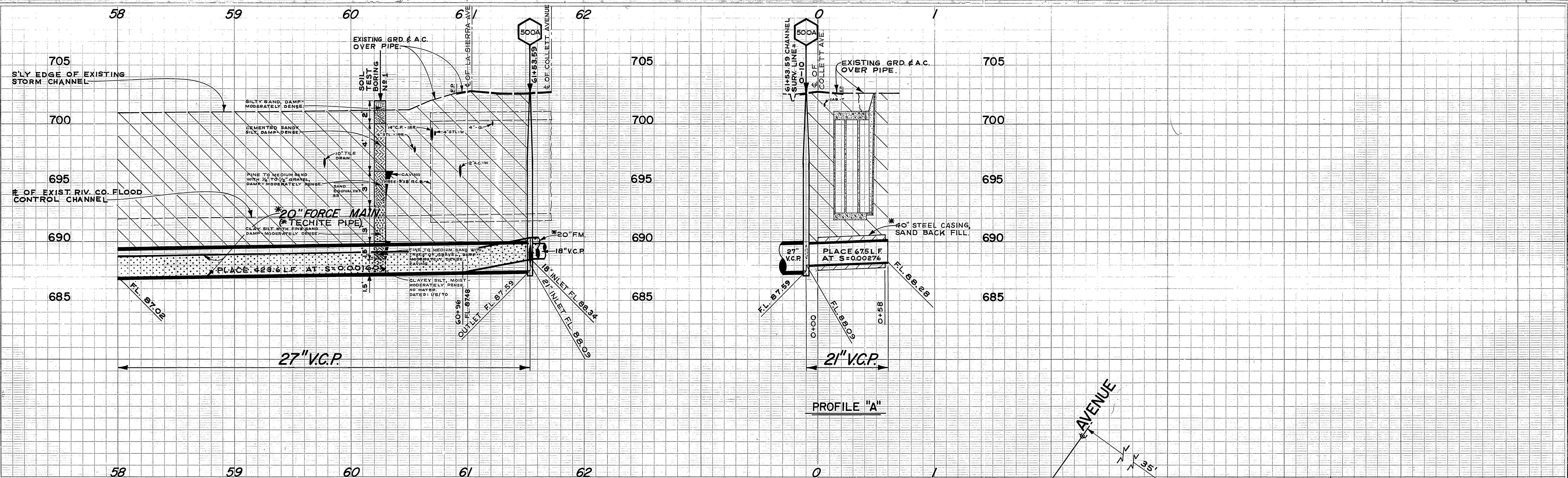


LA SIERRA CHANNEL  
 FROM STA. 48+16 TO STA. 60+69  
 TYPICAL SECTION  
 SCALE 1"=10'

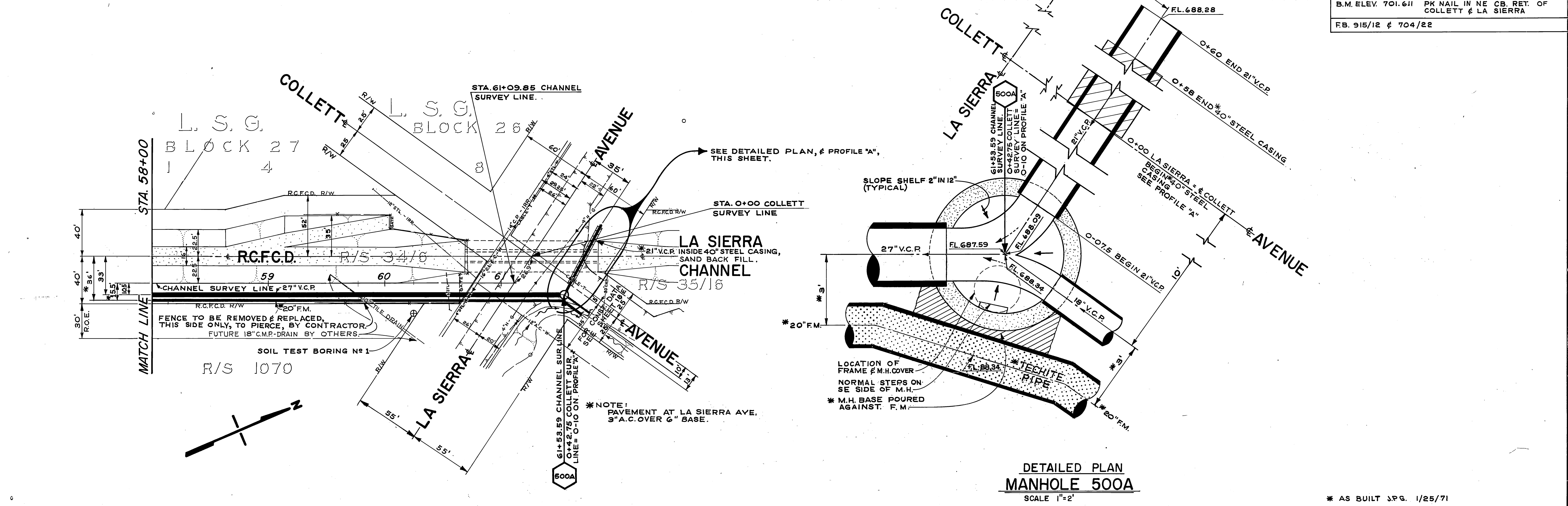
\* AS BUILT J.R.G. 1/22/71

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		SOUTHWEST INDUSTRIAL SEWER SYSTEM		PROJECT NO. 542 DRAWING NUMBER <b>S-762</b>
APPROVED BY OFFICE ENGINEER <i>[Signature]</i>	DATE 1/14	APPROVED BY DIRECTOR OF PUBLIC WORKS <i>[Signature]</i>	DATE 1-19-70	SHEET 16D OF 27
DESIGNED BY <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	CHECKED BY <i>[Signature]</i>		EDA-07-1-00553
HORIZ. SCALE: 1" = 40'		VERT. SCALE: 1" = 4'		





B.M. ELEV. 701.611 PK NAIL IN NE CB. RET. OF COLLETT & LA SIERRA  
 F.B. 915/12 & 704/22



DETAILED PLAN  
 MANHOLE 500A  
 SCALE 1"=2'

\* AS BUILT S.P.G. 1/25/71

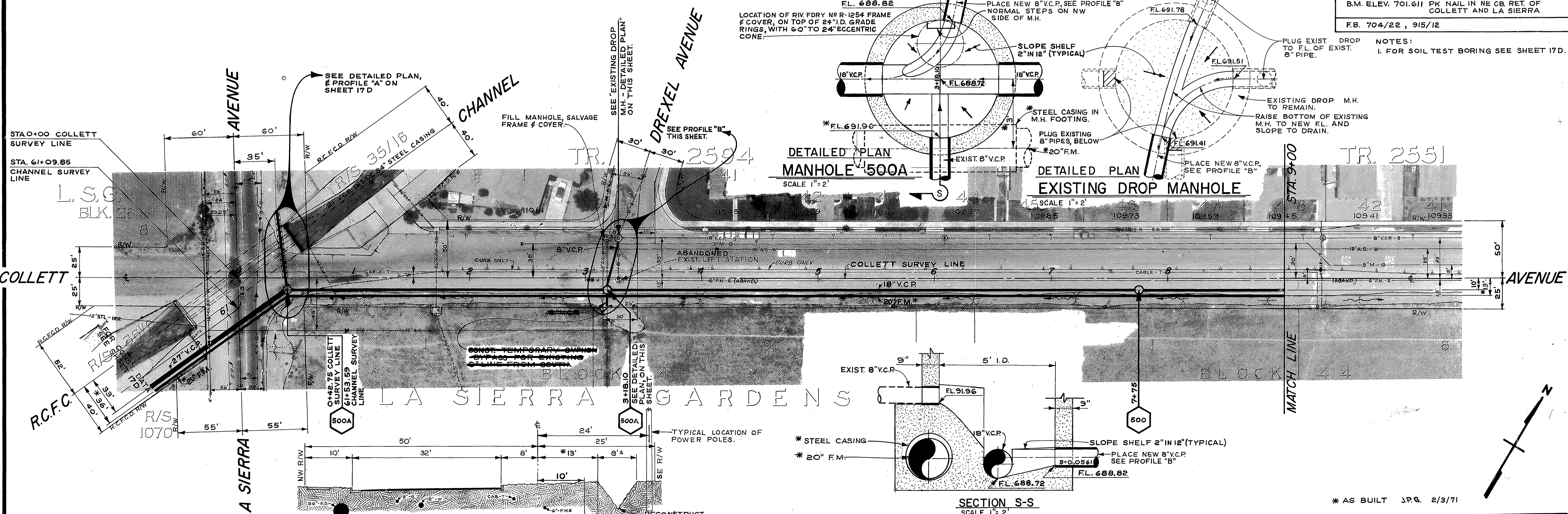
**-CAUTION-**  
**PACIFIC TELEPHONE**  
**CABLES UNDERGROUND**  
 BEFORE EXCAVATING  
 CALL COLLECT:  
 7:30 A.M. to 5 P.M. & Holidays  
 Orange County 714-633-0811 714-547-6606  
 Riverside County 714-684-0071 714-547-6606

REVISIONS	APPR.	DATE

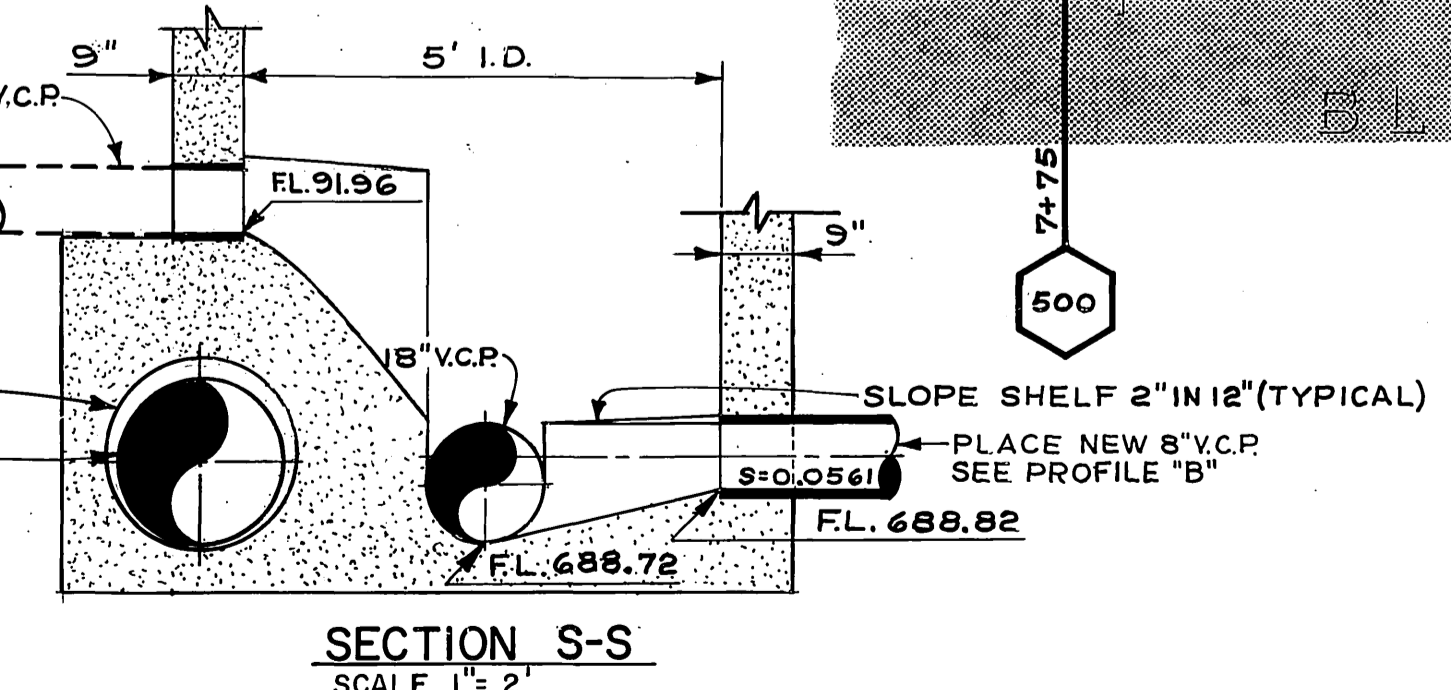
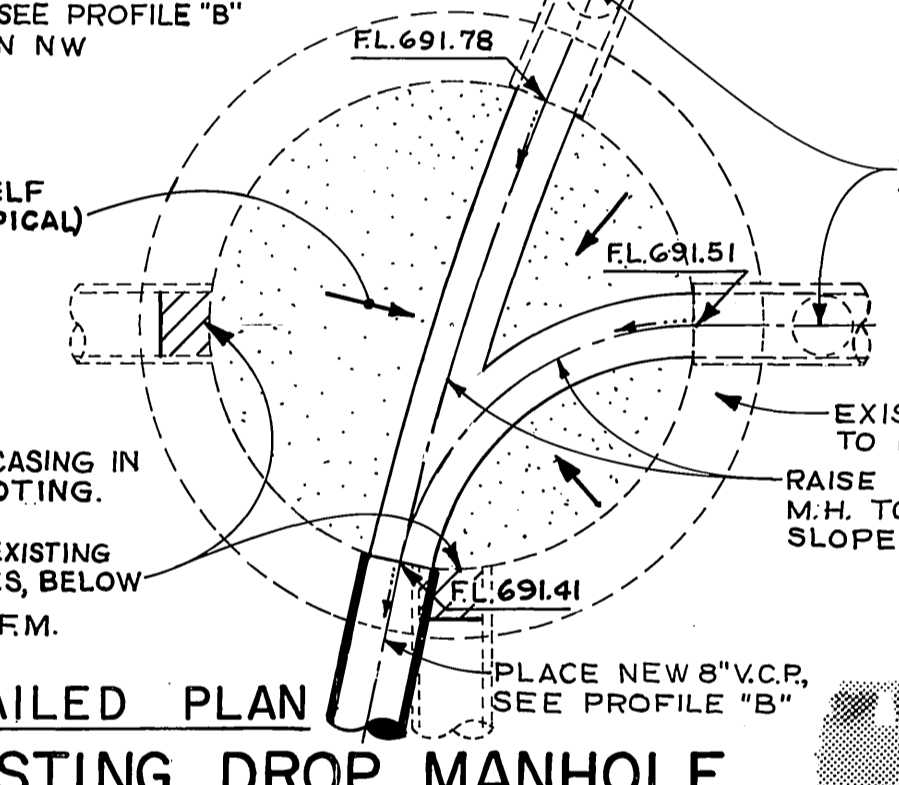
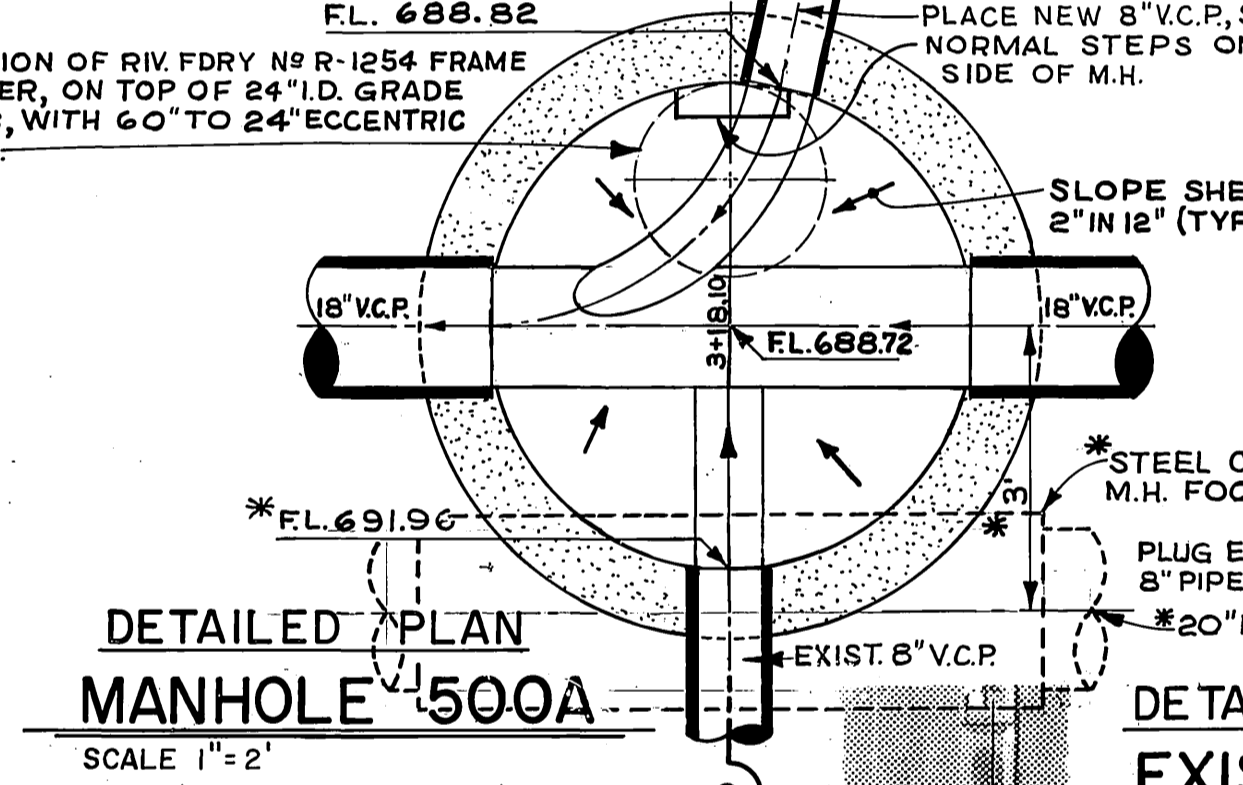
CITY OF RIVERSIDE, CALIFORNIA  
 DEPARTMENT OF PUBLIC WORKS  
 APPROVED BY: [Signature]  
 OFFICE ENGINEER  
 DATE 1-19-70  
 ASSISTANT CITY ENG. [Signature]

**SOUTHWEST INDUSTRIAL**  
**SEWER SYSTEM**  
 R.C.F.C.D. LA SIERRA CHANNEL  
 FORCE MAIN & GRAVITY SEWER  
 HORIZ. SCALE: 1" = 40'  
 VERT. SCALE: 1" = 4'

PROJECT NO. 542  
 DRAWING NUMBER  
**S-762**  
 SHEET 17D OF 27  
 EDA-07-1-00553



B.M. ELEV. 701.611 PK NAIL IN NE CORNER OF COLLETT AND LA SIERRA  
 F.B. 704/22, 915/12  
 NOTES:  
 1. FOR SOIL TEST BORING SEE SHEET 17D.

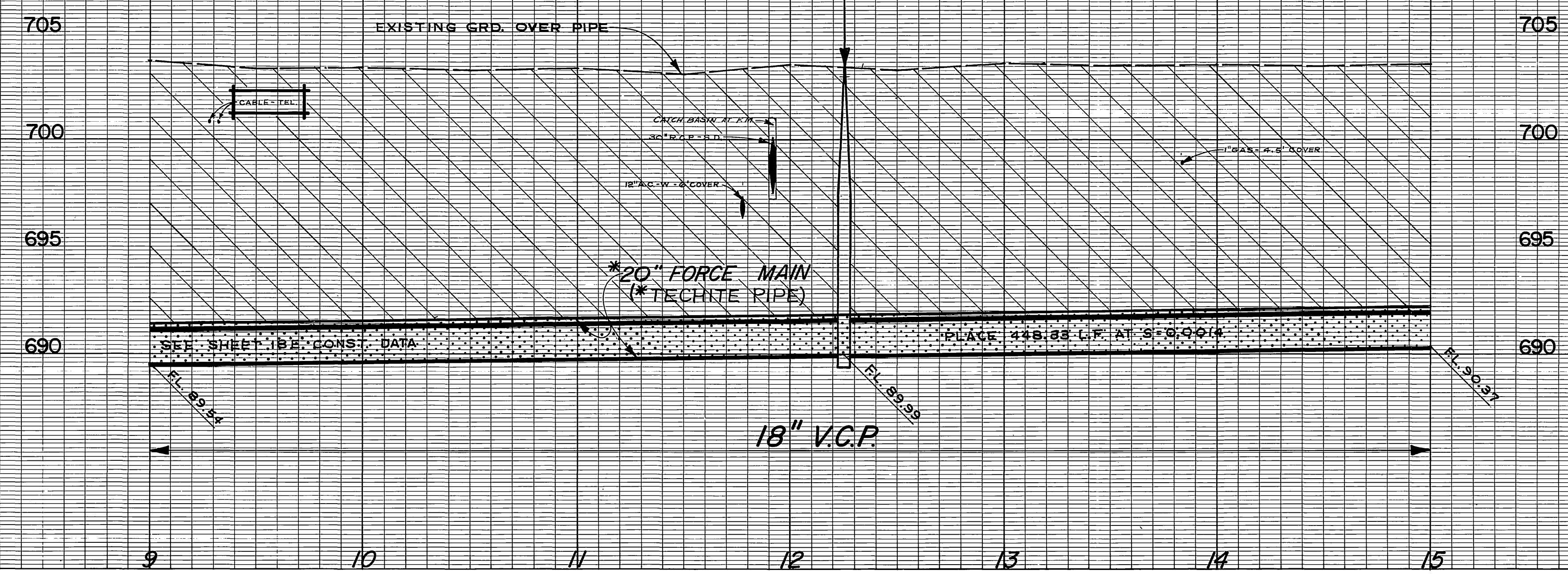


COLLETT AVENUE  
 FROM LA SIERRA TO STA. 12+00  
 TYPICAL SECTION  
 SCALE 1" = 10'

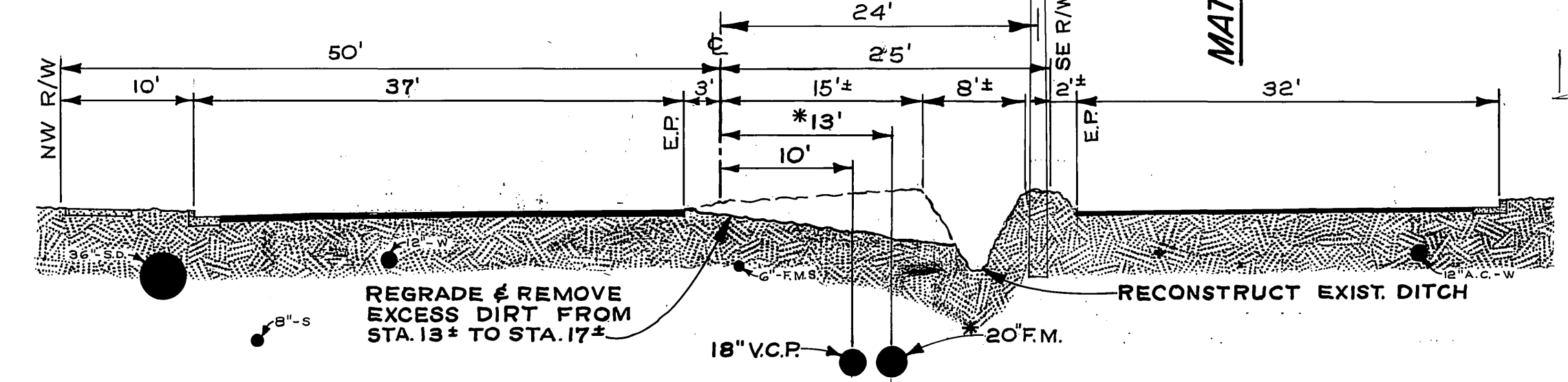
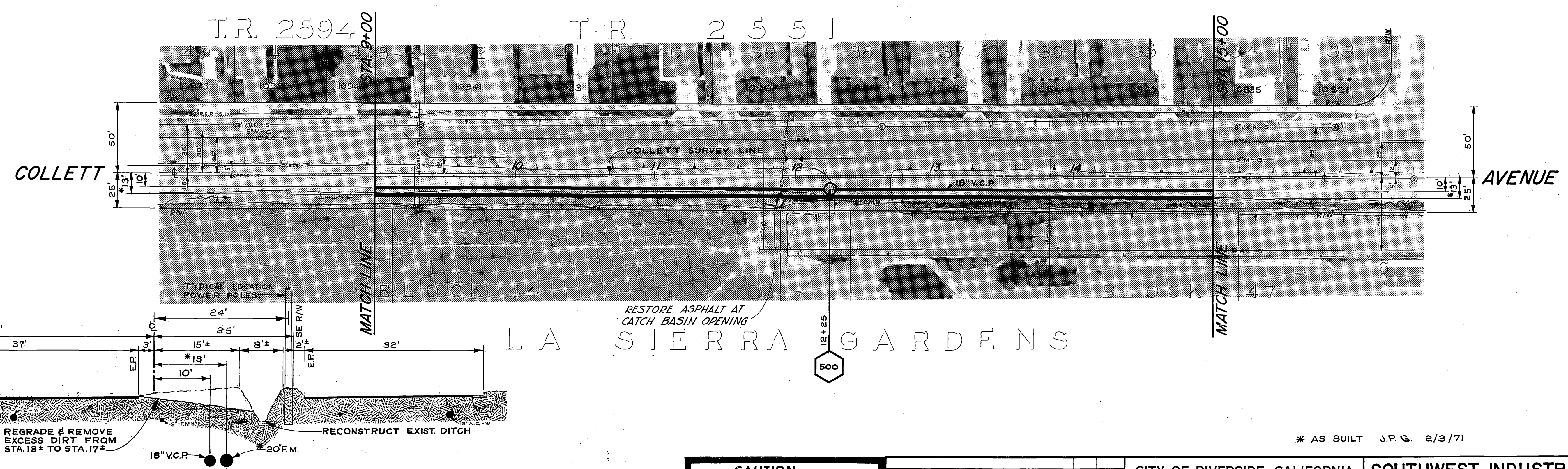
**-CAUTION-**  
**PACIFIC TELEPHONE**  
**CABLES UNDERGROUND**  
**BEFORE EXCAVATING**  
**CALL COLLECT:**  
 7:30 A.M. to 5 P.M. & Holidays  
 After Hours  
 Orange County 714-633-0811 714-547-6606  
 Riverside County 714-684-0071 714-547-6606

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT	
APPROVED BY	DATE
PRINCIPAL ENGINEER	11/11
TRAFFIC DIVISION	CHIEF PUB. WKS ENGR
DESIGNED BY	DRAWN BY
DATE	1-19-70

SOUTHWEST INDUSTRIAL SEWER SYSTEM		ACCOUNT NO. 542
COLLETT AVENUE FORCE MAIN & GRAVITY SEWER		DRAWING NUMBER
HORIZ. SCALE: 1" = 40'		S-762
VERT. SCALE: 1" = 4'		SHEET 18E OF 27
		EDA-07-1-00553



B.M. ELEV. 701.906 PK AT NE CB. RETURN AT DREXEL & COLLET  
 F.B. 704/27, 915/14



COLLETT AVENUE  
 FROM STA. 12+00 TO STA. 17+50  
 TYPICAL SECTION  
 SCALE 1" = 10'

\* AS BUILT J.P.G. 2/3/71

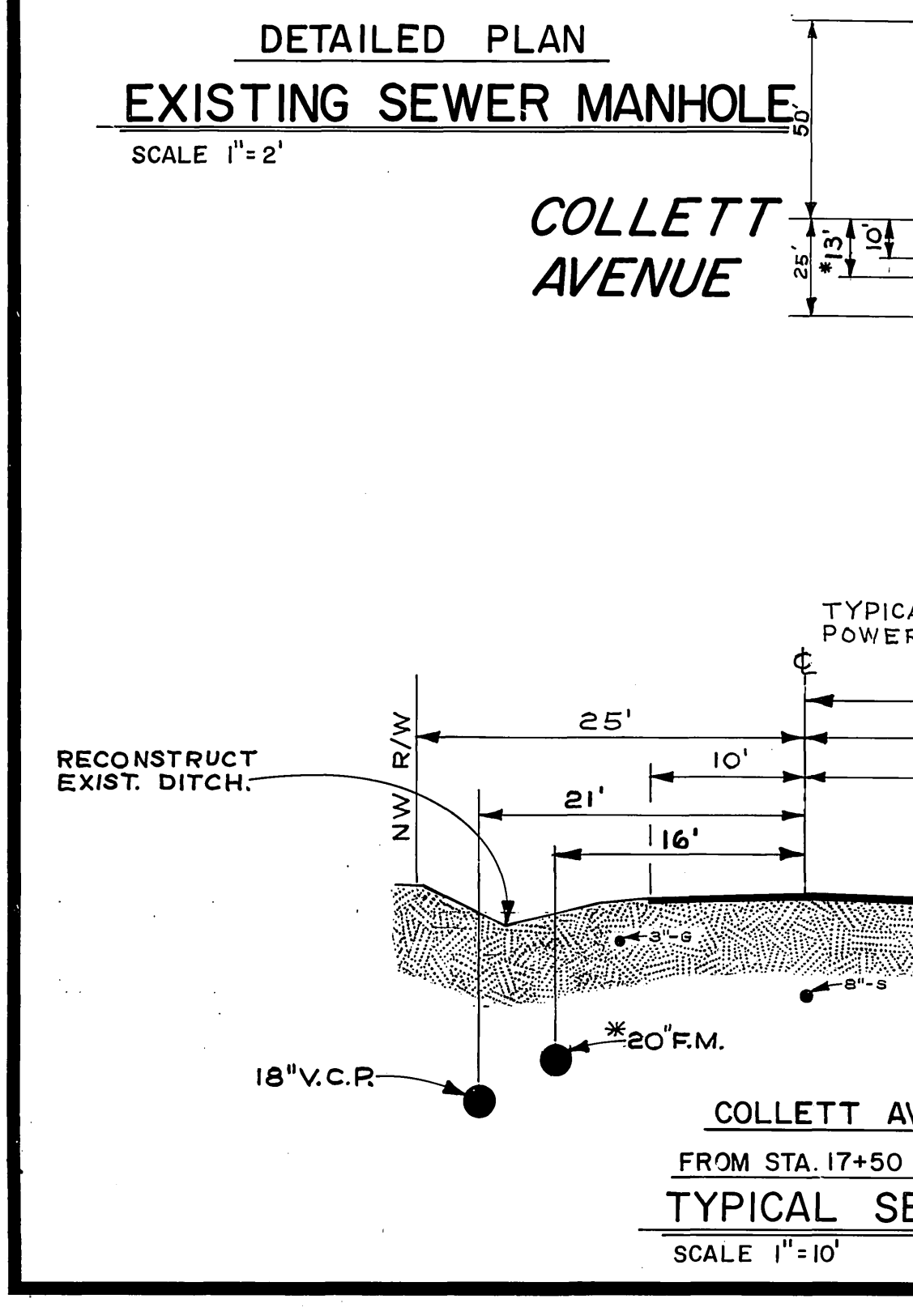
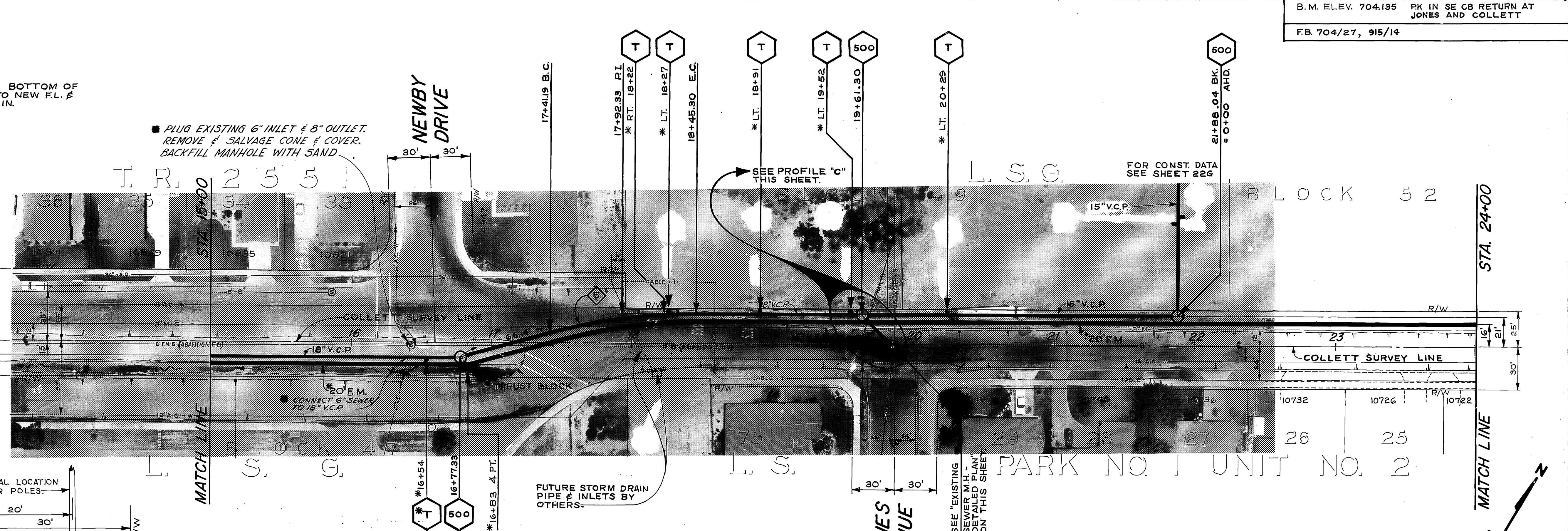
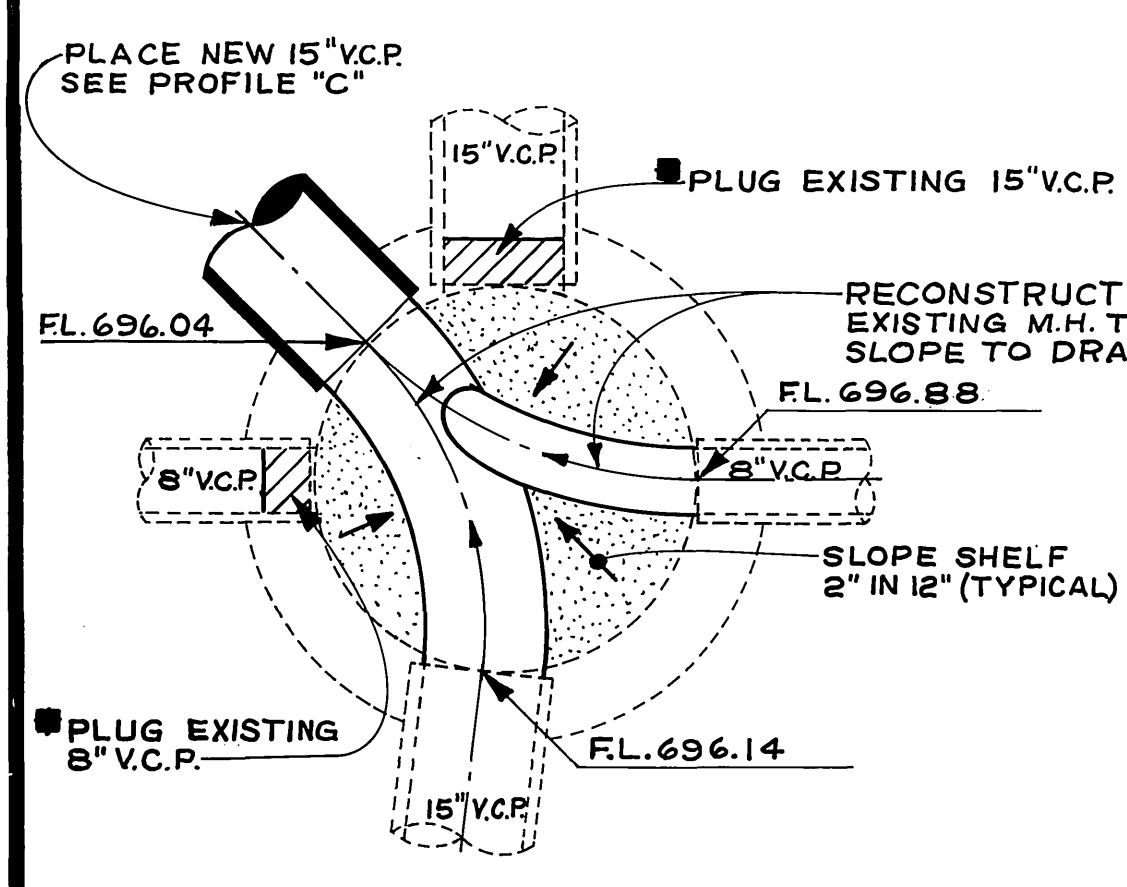
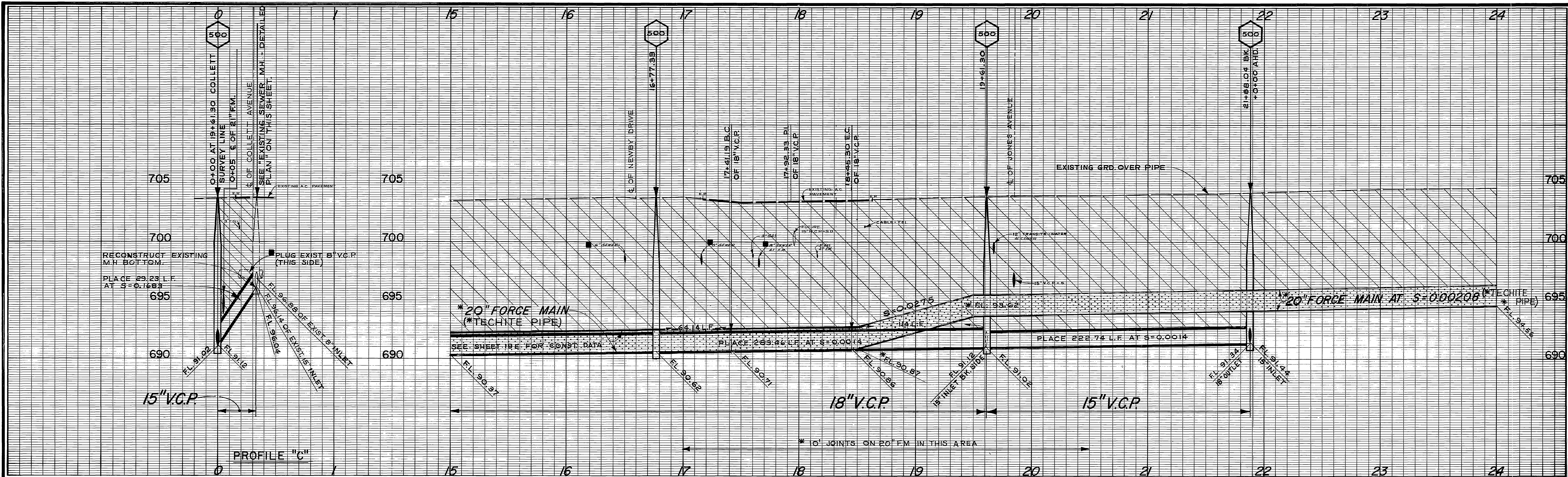
**-CAUTION-**  
**PACIFIC TELEPHONE**  
**CABLES UNDERGROUND**  
 BEFORE EXCAVATING  
 CALL COLLECT:  
 7:30 A.M. to 5 P.M. After Hours & Holidays  
 Orange County 714-633-0811 714-547-6606  
 Riverside County 714-984-0071 714-547-6606

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: [Signature]  
 DATE: 1-19-70  
 TRAFFIC DIVISION  
 CHIEF PUB. WKS. ENGR.

**SOUTHWEST INDUSTRIAL**  
**SEWER SYSTEM**  
 COLLETT AVENUE  
 FORCE MAIN & GRAVITY SEWER  
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACCOUNT NO. 542  
 DRAWING NUMBER  
**S-762**  
 SHEET 19E OF 27  
 EDA-07-1-00553



NOTE: THESE FACILITIES TO REMAIN IN SERVICE UNTIL NEW FORCE MAIN IS OPERATING.

\* AS BUILT J.P.G. 2/3/71

COMPLETE CURVE DATA				
INDEX	R	Δ	T	L
⑤	400'	15°05'10"	52.97'	105.32'

**-CAUTION-**  
**PACIFIC TELEPHONE**  
**CABLES UNDERGROUND**  
**BEFORE EXCAVATING**  
**CALL COLLECT:**  
 7:30 A.M. to 5 P.M. & Holidays  
 Orange County 714-633-0811  
 Riverside County 714-684-0071

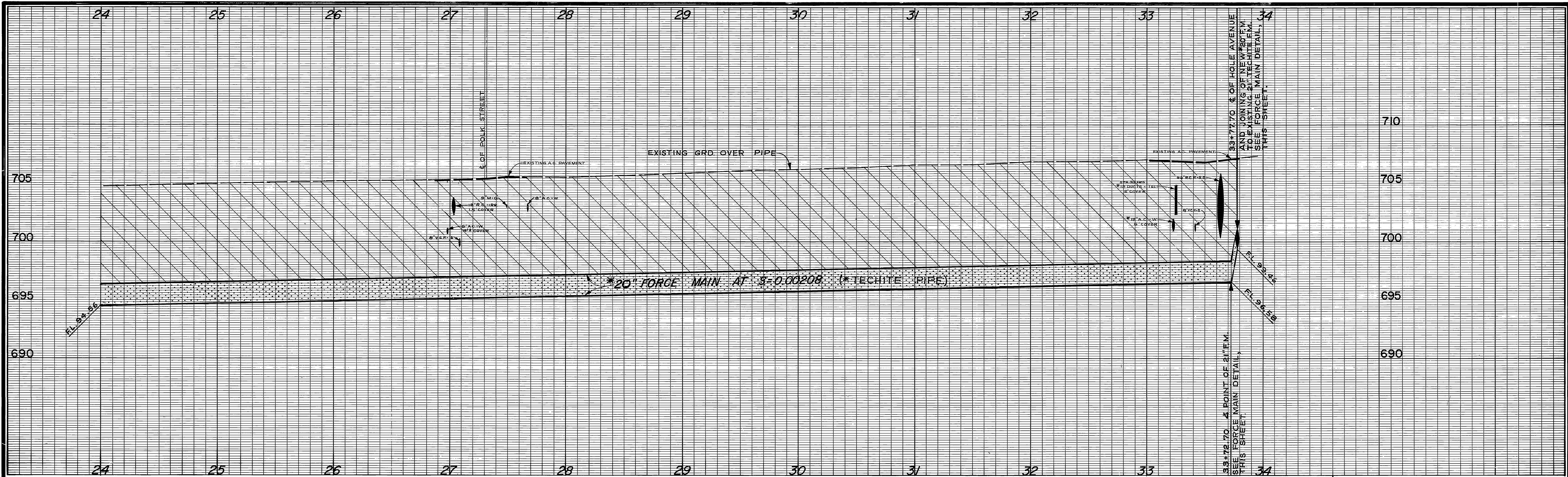
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT

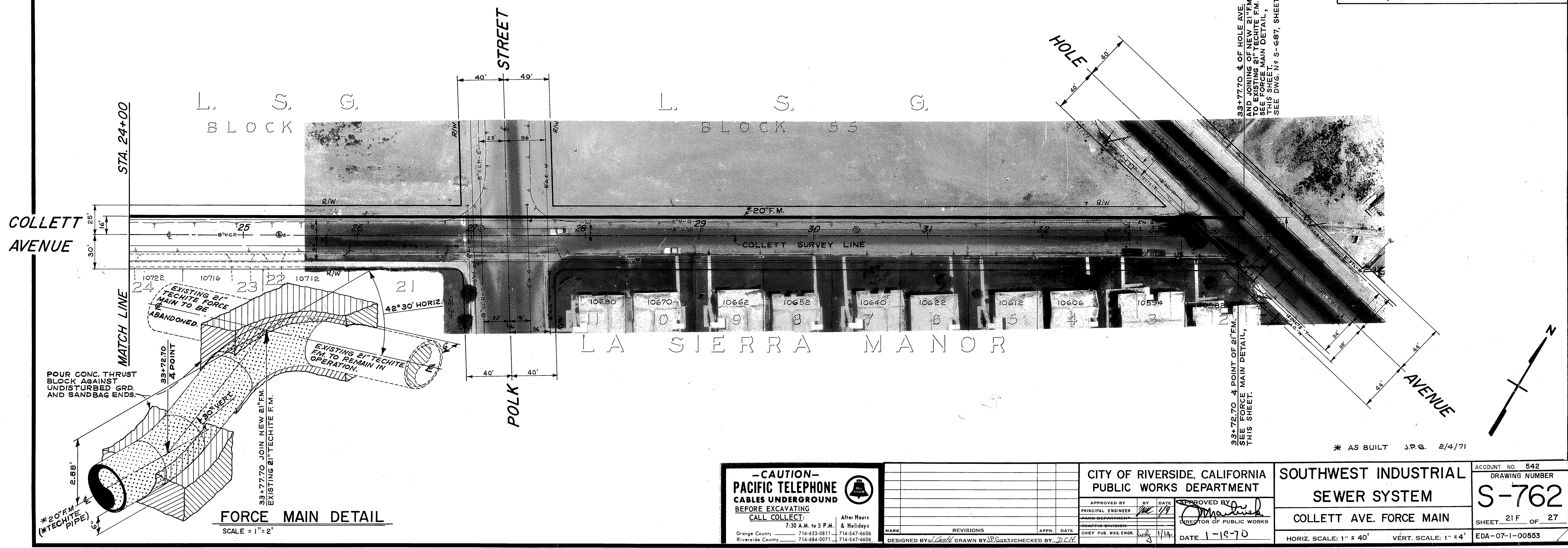
APPROVED BY: [Signature]  
 DATE: 1-19-70

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

ACCOUNT NO. 542  
 DRAWING NUMBER  
**S-762**  
 SHEET 20E OF 27  
 HORIZ. SCALE: 1" = 40'  
 VERT. SCALE: 1" = 4'



B.M. ELEV. 705.600 PK IN SE CURB RETURN AT POLK AND COLLETT  
 B.M. ELEV. 707.982 PK IN SELY CB RETURN AT COLLETT & HOLE  
 F.B. 704/28



33+77.70 & OF HOLE AVE. AND JOINING OF NEW 21" F.M. SEE FORCE MAIN DETAIL, THIS SHEET.  
 33+72.70 4 POINT OF 21" F.M. SEE FORCE MAIN DETAIL, THIS SHEET.  
 SEE DWG. N 9 S-687, SHEET 3, AHEAD.

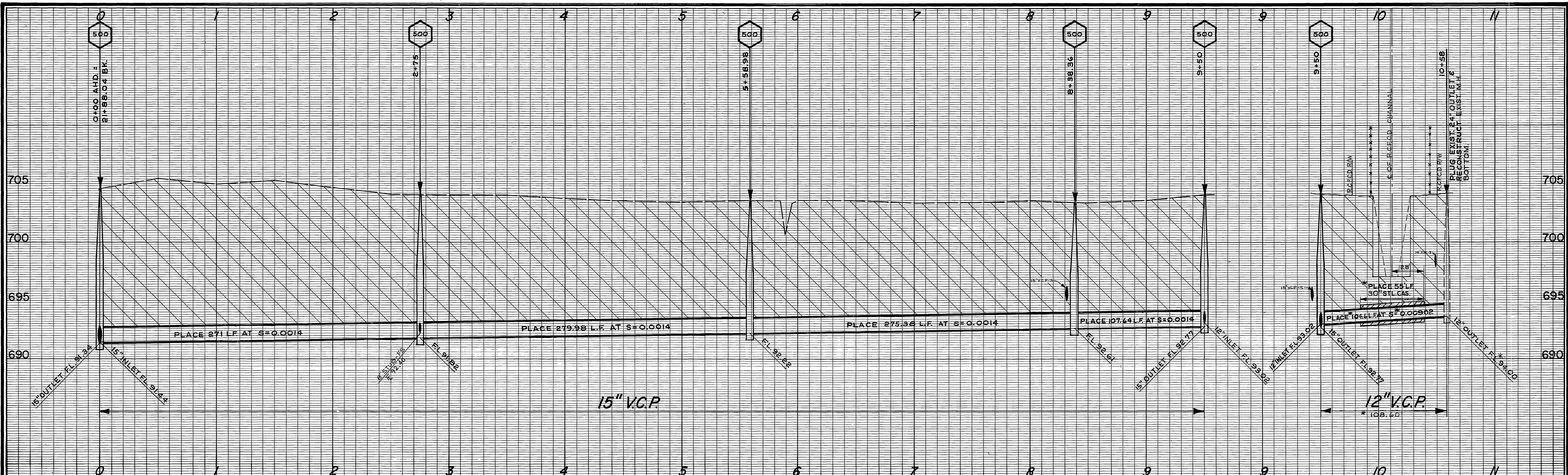
\* AS BUILT J.P.G. 2/4/71

**-CAUTION-**  
**PACIFIC TELEPHONE**  
**CABLES UNDERGROUND**  
**BEFORE EXCAVATING**  
**CALL COLLECT**  
 7:30 A.M. to 5 P.M. & Holidays  
 Orange County 714-633-0811 714-547-6506  
 Riverside County 714-684-0071 714-547-6506

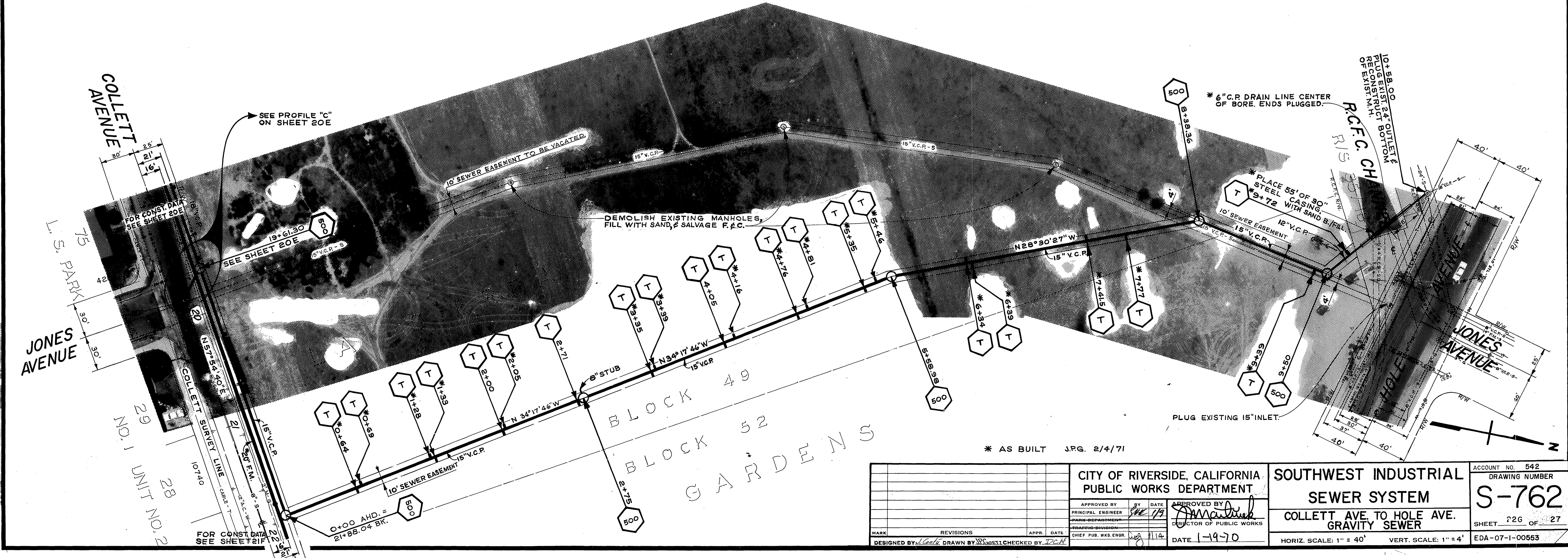
MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 APPROVED BY: *[Signature]* DATE: 1-19-70  
 PRINCIPAL ENGINEER  
 MARK DEPARTMENT  
 TRAFFIC DIVISION  
 CHIEF PUB. WKS. ENGR. *[Signature]* DATE: 1-19-70

SOUTHWEST INDUSTRIAL  
 SEWER SYSTEM  
 COLLETT AVE. FORCE MAIN  
 ACCOUNT NO. 542  
 DRAWING NUMBER  
**S-762**  
 SHEET 21F OF 27  
 HORIZ. SCALE: 1" = 40'  
 VERT. SCALE: 1" = 4'  
 EDA-07-1-00553

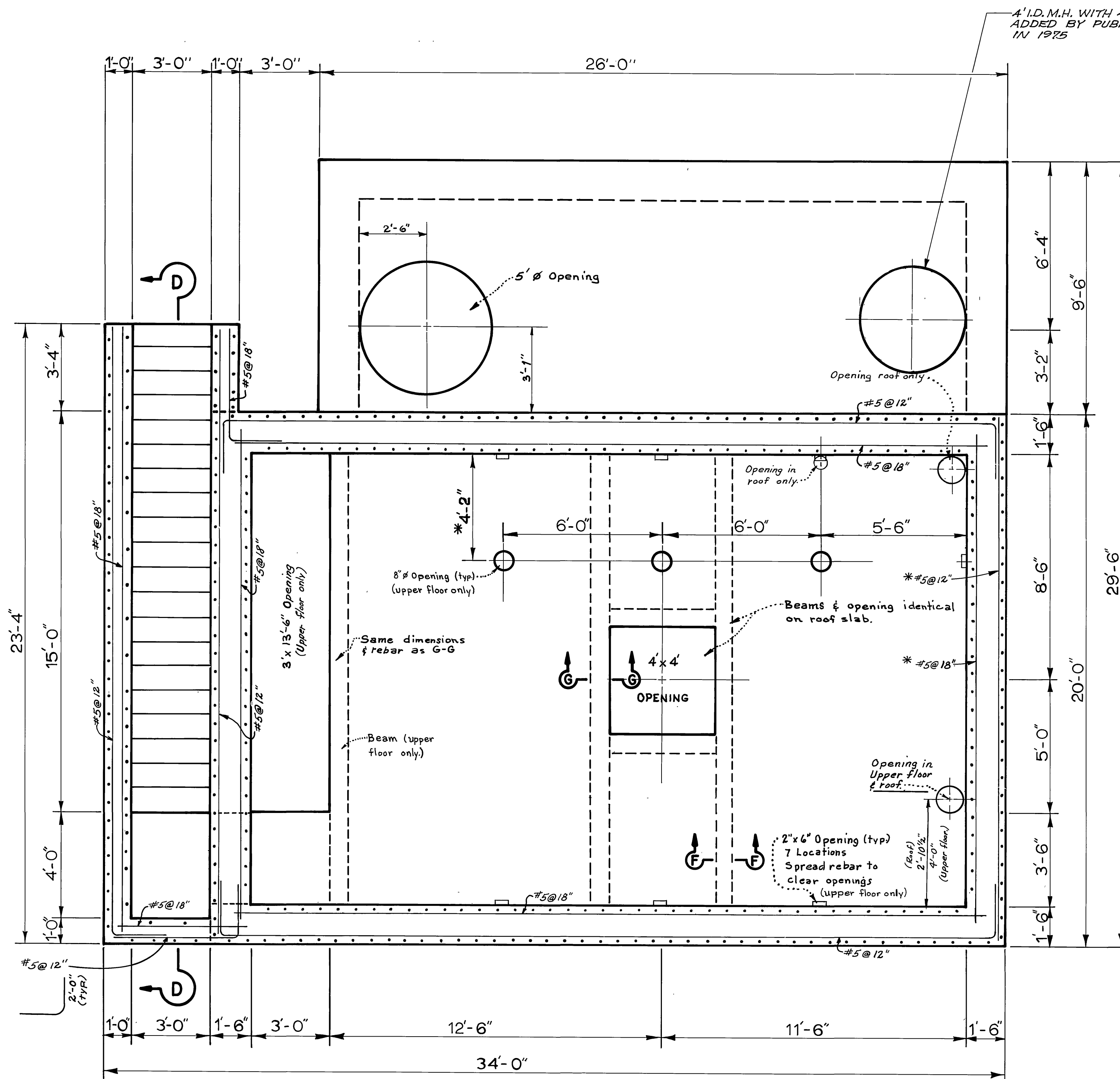


B.M. ELEV. 704.135 PK IN SE CB. RETURN AT JONES & COLLETT  
 B.M. ELEV. 704.109 PK IN NE CB. RETURN AT JONES & HOLE  
 F.B. 704/27, 29, 315/15

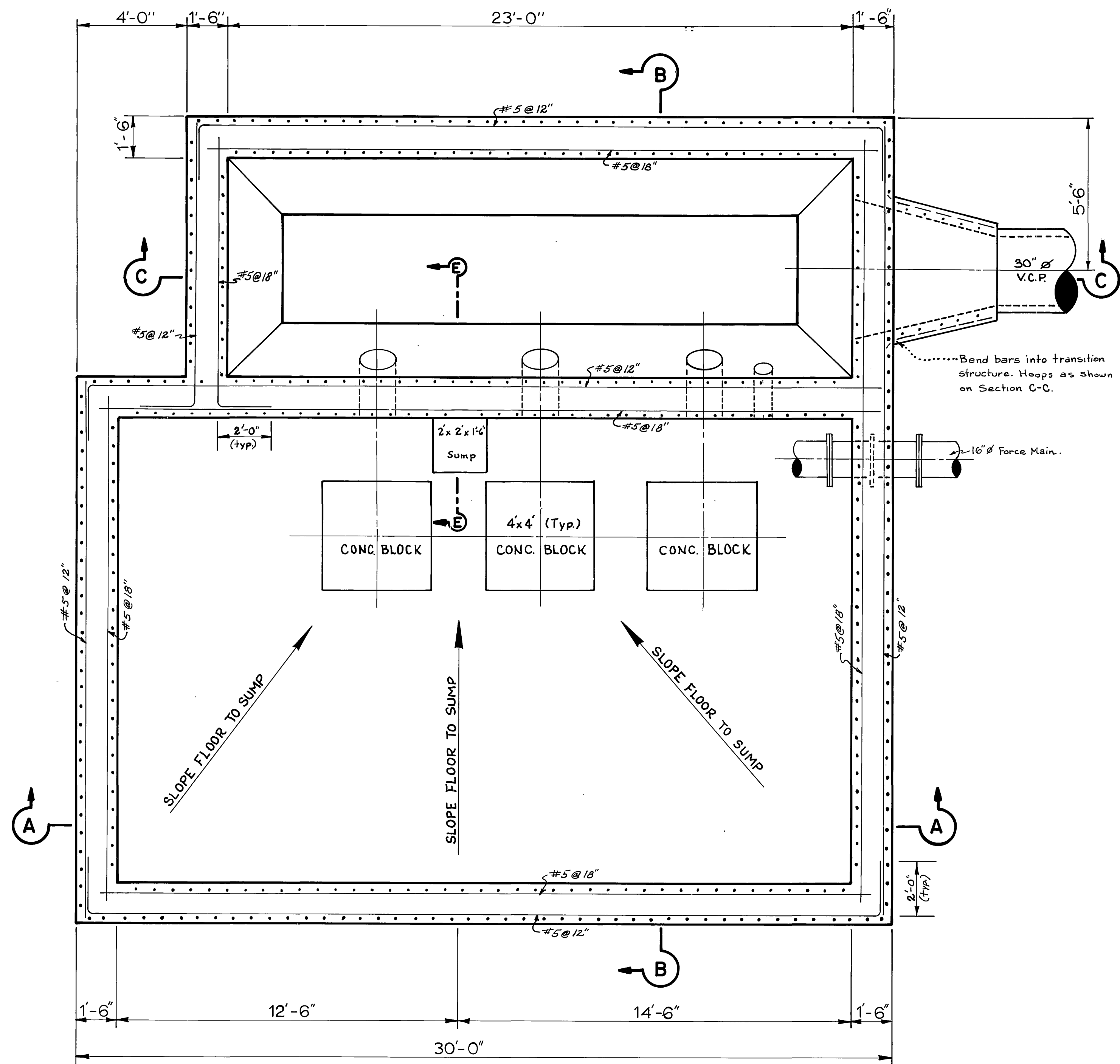


\* AS BUILT J.R.G. 2/4/71

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		SOUTHWEST INDUSTRIAL SEWER SYSTEM		ACCOUNT NO. 542 DRAWING NUMBER
APPROVED BY: <i>[Signature]</i> DATE: 1-19-70		APPROVED BY: <i>[Signature]</i> DATE: 1-19-70		SHEET 226 OF 27
DESIGNED BY: <i>[Signature]</i> DRAWN BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i>		HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'		EDA-07-1-00553



**UPPER FLOOR**  
(ALSO ROOF SLAB)



**LOWER FLOOR**

Sections A-A and B-B on Sheet 24H.  
Other Sections and Details on Sheet 25H.  
Sections A-A and B-B (Equipment Sections) on Sheet 26H.

**GENERAL NOTES**

**CONCRETE**

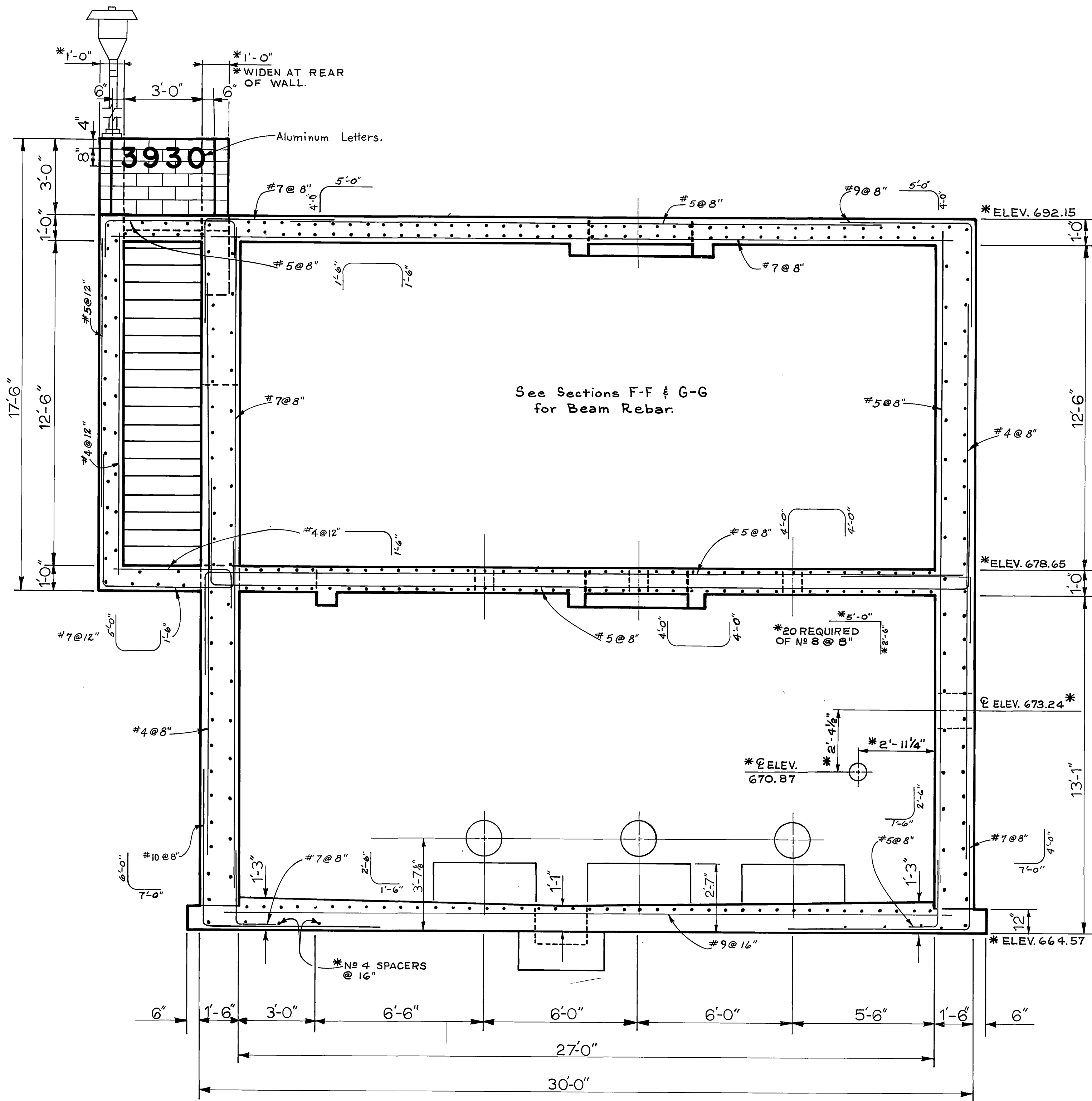
$f'_c = 3000$  psi. at 28 days.  
 $f'_c = 1350$  psi.

**REINFORCING**

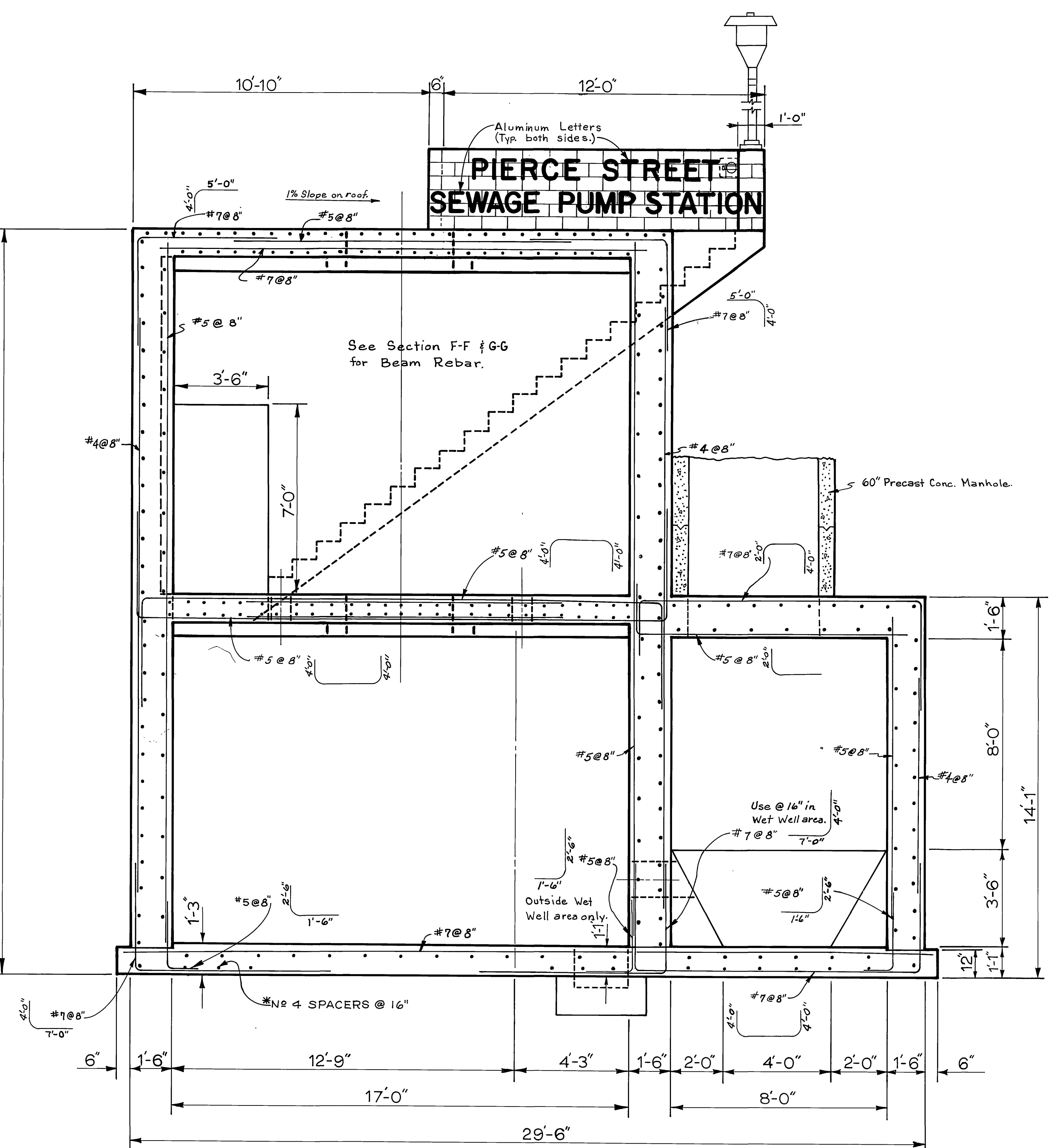
$f_s = 20,000$  psi.  
Conc. Coverage  
1" in deck  
2" all others.

\* AS BUILT J.R.G. 2/4/71

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		SOUTHWEST INDUSTRIAL SEWER SYSTEM		ACCOUNT No. 542 DRAWING NUMBER <b>S-762</b>
APPROVED BY PRINCIPAL ENGINEER JAMES DEWITT	BY DATE 1/19/70	APPROVED BY DIRECTOR OF PUBLIC WORKS J. J. MULLIKEN	DATE 1-19-70	SHEET 23H OF 27
MARK	REVISIONS	APPR. DATE	CHIEF PUB. WKS. ENGR. J. J. MULLIKEN	SCALE: 3/8" = 1'-0"
DESIGNED BY <i>DEWITT</i> DRAWN BY <i>R. KILBOM</i> CHECKED BY <i>DEWITT</i>			EDA-07-1-00553	

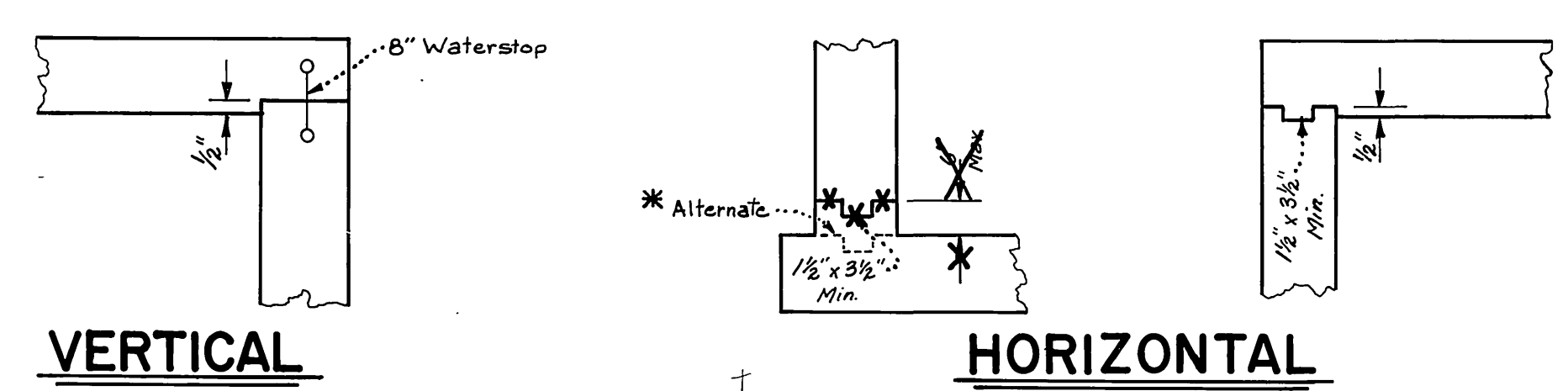


**SECTION A-A**



**SECTION B-B**

**NOTE:**  
 Openings to wet well are based on a Fairbanks-Morse & Co. Pump N# 5415. Alternate pump might require revised opening locations.

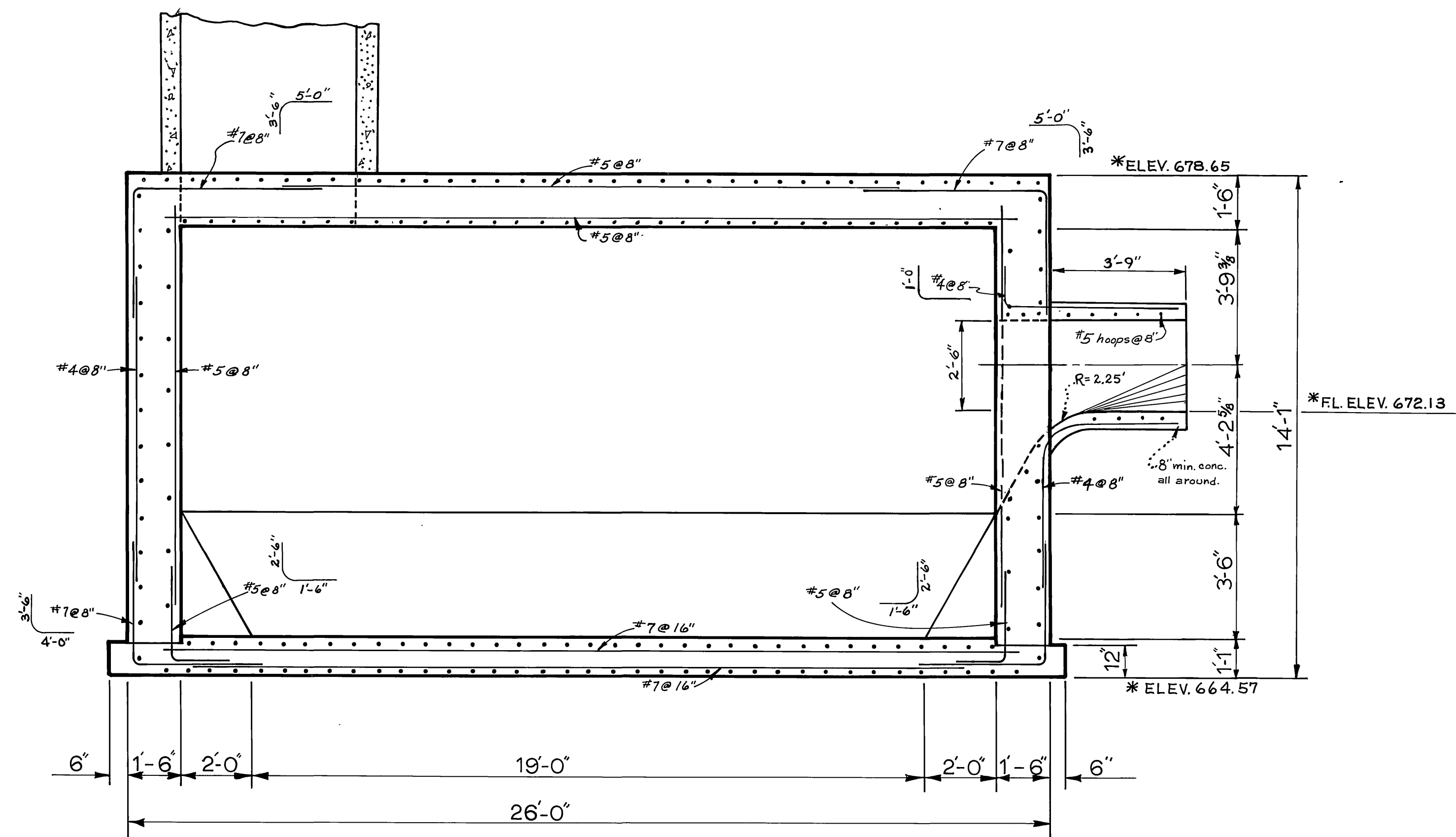


**VERTICAL**  
**HORIZONTAL**  
**PERMISSIBLE JOINTS**  
 NO SCALE

\* AS BUILT J.P.G. 2/4/71

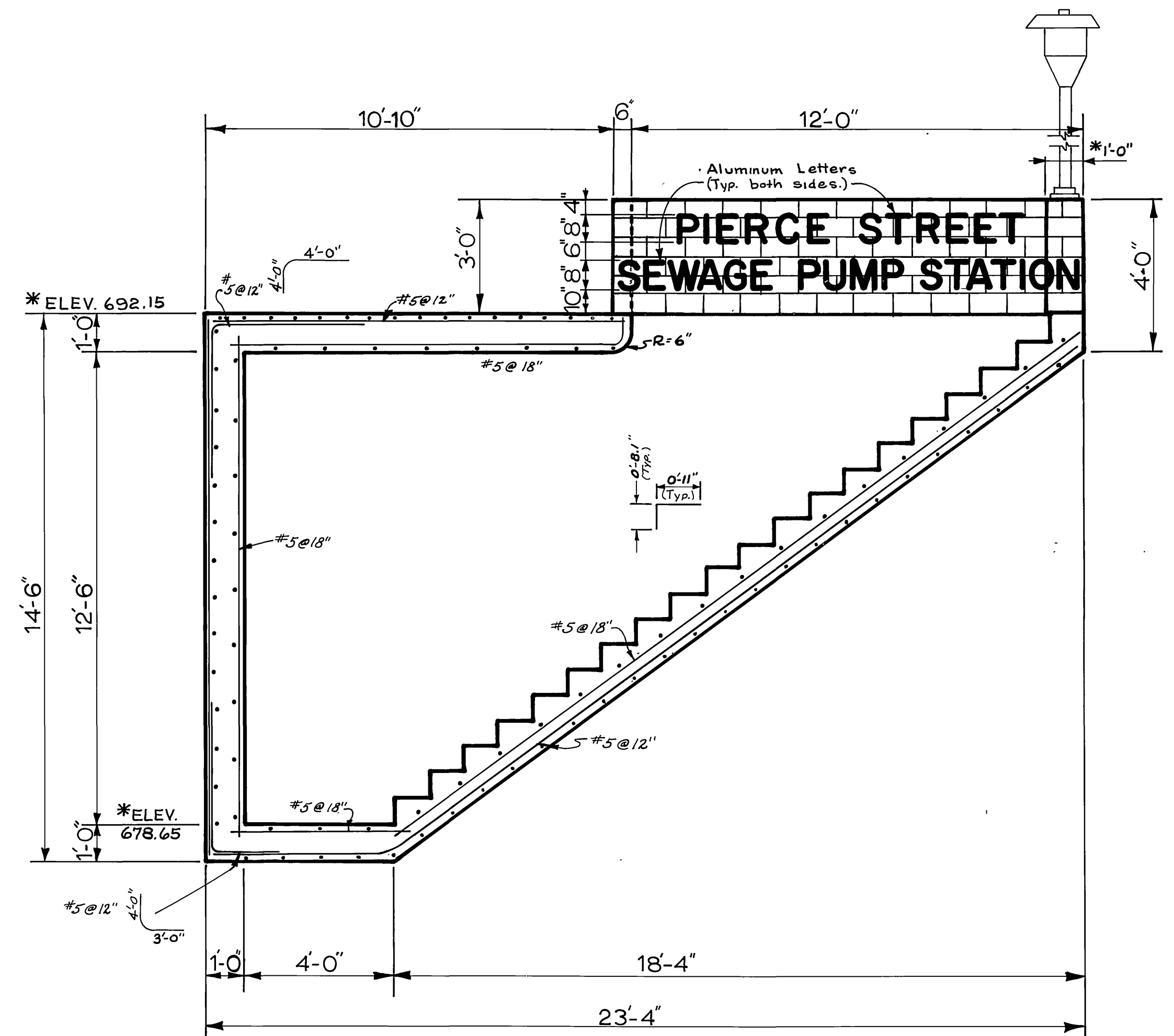
CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		SOUTHWEST INDUSTRIAL SEWER SYSTEM		ACCOUNT No. 542 DRAWING NUMBER
APPROVED BY: [Signature] PRINCIPAL ENGINEER		DATE: 1-19-70		S-762
DESIGNED BY: [Signature] DRAWN BY: R. Kilm CHECKED BY: DCH		DATE: 1-19-70		
MARK REVISIONS		SCALE: 3/8" = 1'-0"		SHEET 24H OF 27
				EDA-07-1-00553





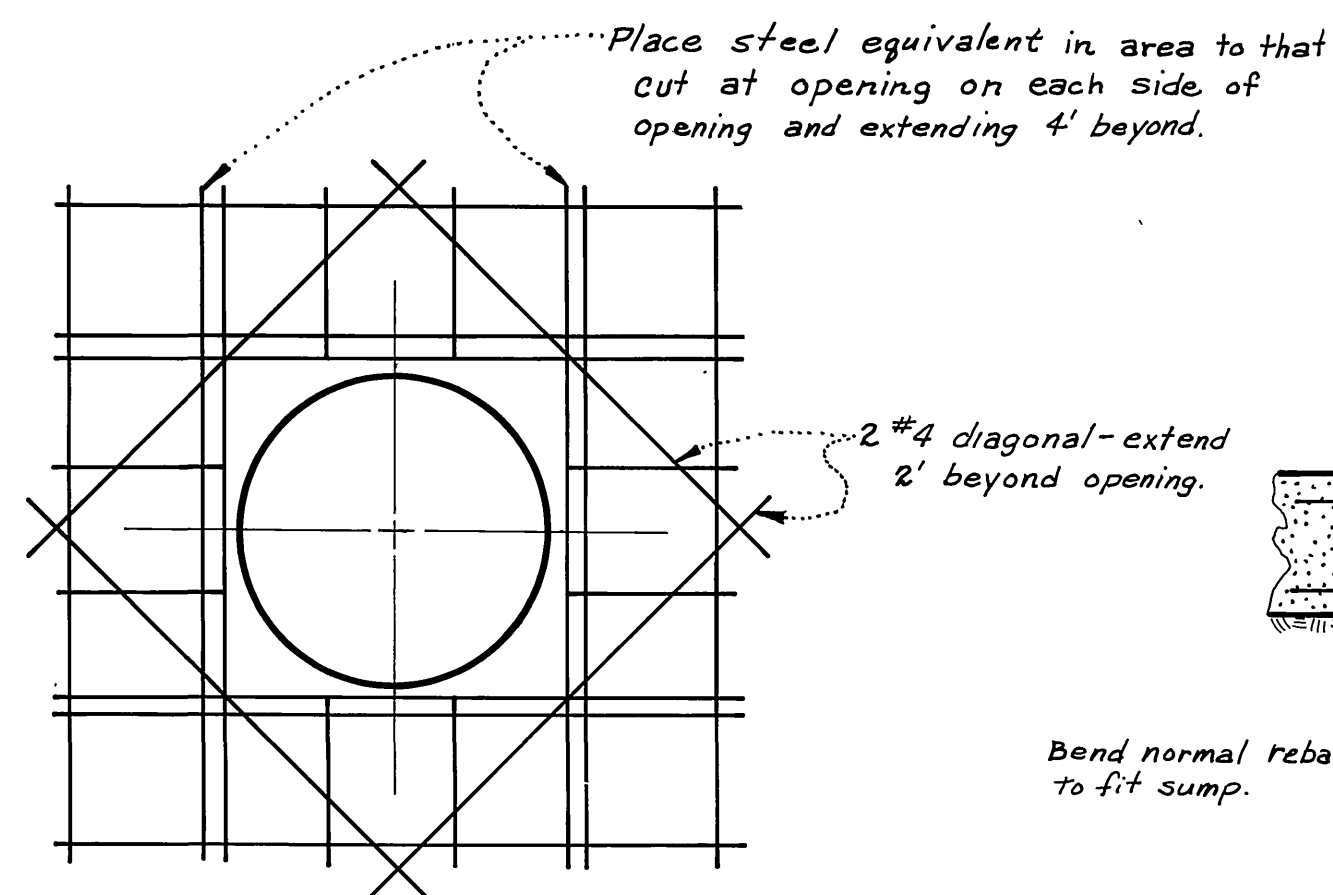
**SECTION C-C**

SCALE: 3/8" = 1'-0"



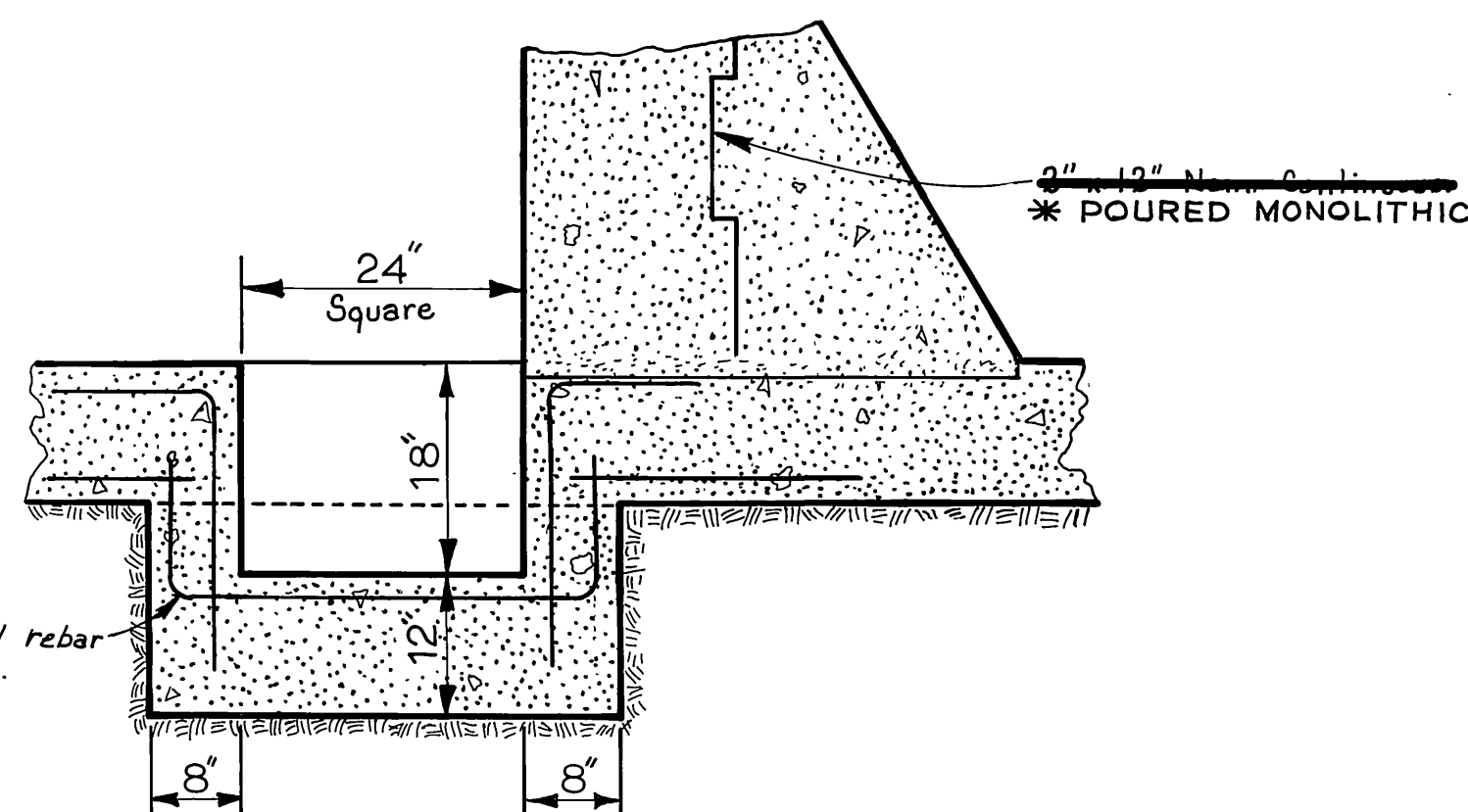
**SECTION D-D**

SCALE: 3/8" = 1'-0"



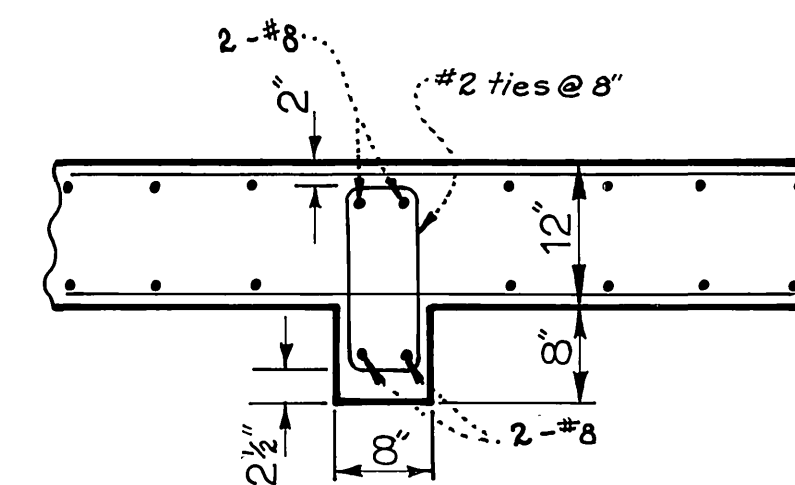
**TYP. REINF. AT OPENINGS**

NO SCALE

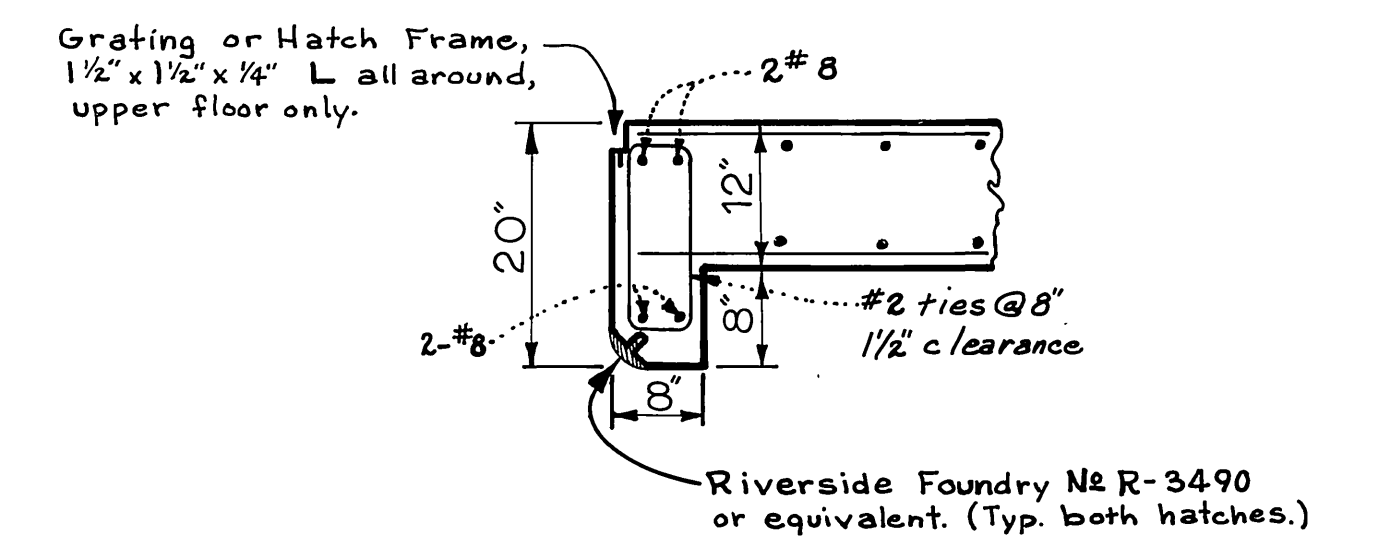


**SECTION E-E**

SCALE: 3/4" = 1'-0"



**SECTION F-F**



**SECTION G-G**

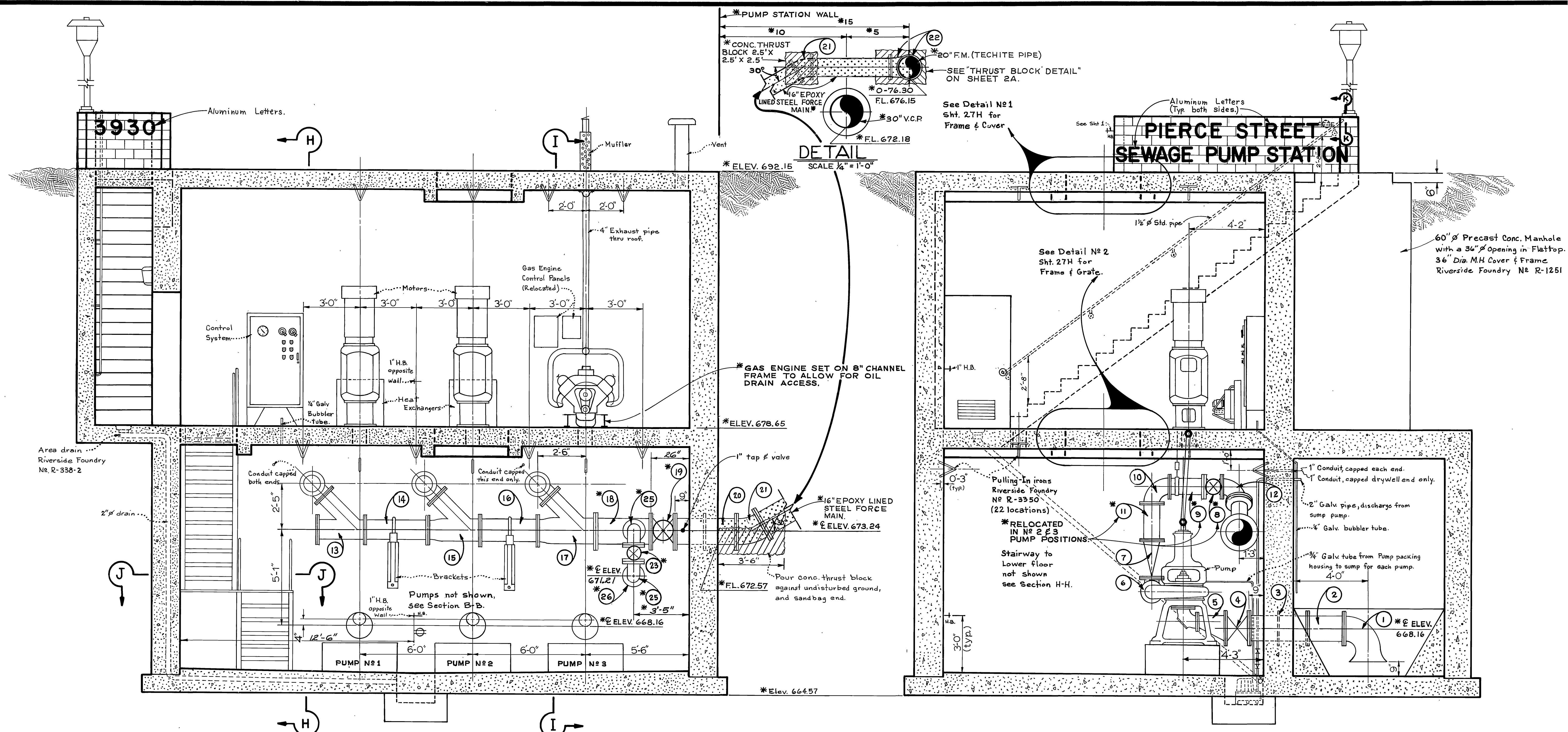
Typical 4 sides of openings.

**SECTIONS THRU FLOOR BEAMS**

SCALE: 3/4" = 1'-0"

\* AS BUILT J.P.G. 2/4/71

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		SOUTHWEST INDUSTRIAL SEWER SYSTEM		ACCOUNT No. 542 DRAWING NUMBER <b>S-762</b>
APPROVED BY PRINCIPAL ENGINEER <i>[Signature]</i>	DATE 1/14/70	APPROVED BY DIRECTOR OF PUBLIC WORKS <i>[Signature]</i>	DATE 1-14-70	SHEET 25H OF 27
DESIGNED BY <i>[Signature]</i> DRAWN BY R.Khm. CHECKED BY DCH		SCALE: See above:		EDA-07-1-00553



## SECTION A-A

## SECTION B-B

PUMP-PIPING SCHEDULE	
Suction:	Discharge:
(1) 3 - 16" C.I. short bodied standard F. and bell mouth 90° bend.	(6) 3 - 8" C.I. F. and F. standard radius 90° bends.
(2) 3 - 16" C.I. F. and F. spools.	(7) 3 - 8" x 10" reducing check valves. (lever & weight operated).
(3) 3 - 16" x 36" C.I. F. and F. standard wall pipe.	(8) 3 - 10" C.I. F. and F. gate valves.
(4) 3 - 16" C.I. F. and F. gate valves.	(9) 3 - 10" C.I. F. and F. spools.
(5) 3 - 16" x 8" C.I. F. and F. eccentric reducers.	(10) 3 - 10" C.I. F. and F. standard radius 90° bends.

**\* NOTE:**  
ALL SPECIAL FITTINGS ARE EPOXY LINED STEEL IN LIEU OF C.I.

(11) 3 - 10" C.I. F. and F. spools.	(19) 1 - 16" C.I. F. and F. gate valve with long stem and 30" high floor stand assembly.
(12) 3 - 10" C.I. F. and F. standard radius 90° bends.	(20) 1 - 16" x 36" C.I. F. and F. standard wall pipe.
(13) 1 - 12" x 12" x 10" F. and F. wye (45° lateral) with 12" blind flange.	(21) 2 - 16" C.I. F. and F. 30° bend.
(14) 1 - 12" F. and F. spool.	(22) 1 - 20" x 16" C.I. F. and F. 90° reducing elbow.
(15) 1 - 14" x 12" x 10" F. and F. wye (45° lateral).	(23) 1 - 8" C.I. F. and F. gate valve.
(16) 1 - 14" C.I. F. and F. spool.	(24) 1 - 8" C.I. F. and F. spool.
(17) 1 - 16" x 14" x 10" F. and F. wye (45° lateral).	(25) 1 - 8" C.I. F. and F. standard radius 90° bend.
(18) 1 - 16" x 16" x 8" F. and F. Tee (special). 34 3/8" LONG	(26) 1 - 8" x 30" F. and pipe end standard wall pipe.

### CONTROL SYSTEM.

A.	2 - Motor starter complete with:
	1. Door interlocked, fused disconnect switch.
	2. 110 V A.C. control circuit.
	3. Nema 1 enclosure.
B.	1 - Duplex panel complete with:
	1. Control relays.
	2. Time clock "lead" - "lag" alternator.
	3. Control transformer.
	4. H.O.A. selector switch.
	5. Lead - lag selector switch (1-2), (2-1), and (Alt.).
	6. #1 motor start button "hand" made.
	7. #2 motor start button "hand" made.
	8. Power on - power off selector switch.
	9. "Power on" light.
C.	2 - Normally - open solenoid valve, 110 V A.C.
D.	1 - Pressure switch, 0-20 p.s.i. with adjustable differential.
E.	1 - Air compressor, 20 p.s.i. - regulated motor is 110 V A.C.
F.	1 - Process controller (bubbler input varies with level differential). input: 20 p.s.i. regulated input: 0-1 p.s.i. from bubbler output: 3-15 p.s.i.
G.	2 - Heat exchanger starters.
H.	2 - Thermostat (oil).
I.	1 - Thermostat (room).

### PUMPING SYSTEM

A.	2 - Motors 100 H.P., 1150 R.P.M., 277/480 volts.
B.	2 - Motor couplings.
C.	2 - Pneumatic speed controller (speed increases with decrease in air pressure).
D.	2 - Infidrive clutch.
E.	2 - Heat exchangers (air cooled).
F.	2 - Pump couplings.
G.	3 - Watson-Spicer drive shaft WV-A55.
H.	3 - Drive shaft guard with access hole for greasing. Guard to meet state safety standards.
I.	1 - Pump bases.
J.	1 - Pump - Fairbanks Morse & Co., 8", #5415, 1150 R.P.M., Imp. TAKES 5" solids. Design points as follows: 2075 G.P.M. at 110' head and 2875 G.P.M. at 98' head.
K.	1 - Bubbler tube.

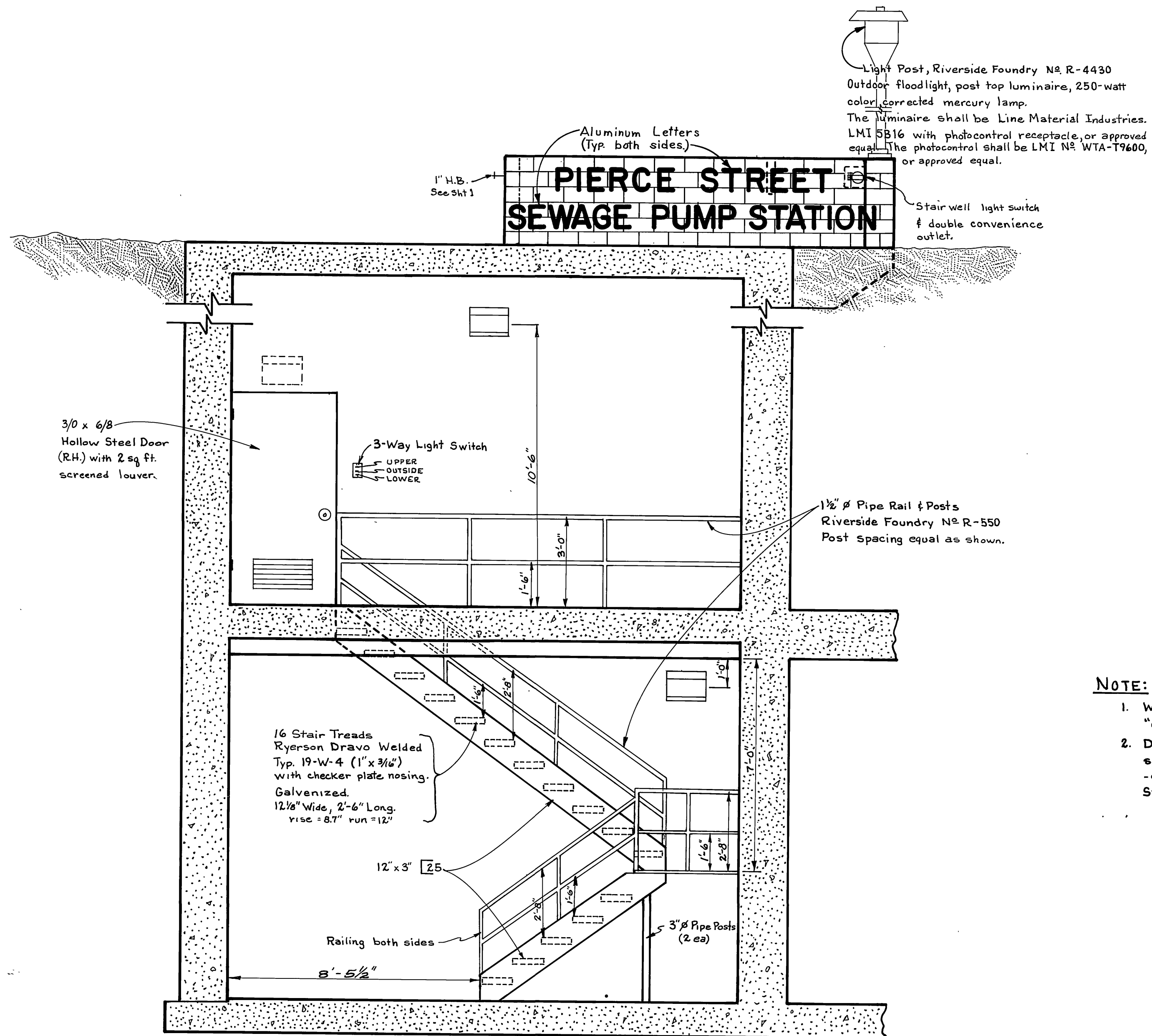
### FLOOR DRAINAGE SYSTEM

A.	Sump pump - Hydr-O-Matic #SP50A, 120V., 50 G.P.M. 10' head, 1/2 hp., 2" discharge.
B.	12' of 2" galv. iron pipe with 90° elbow.
C.	1 - 2" gate valve.
D.	1 - 2" check valve.

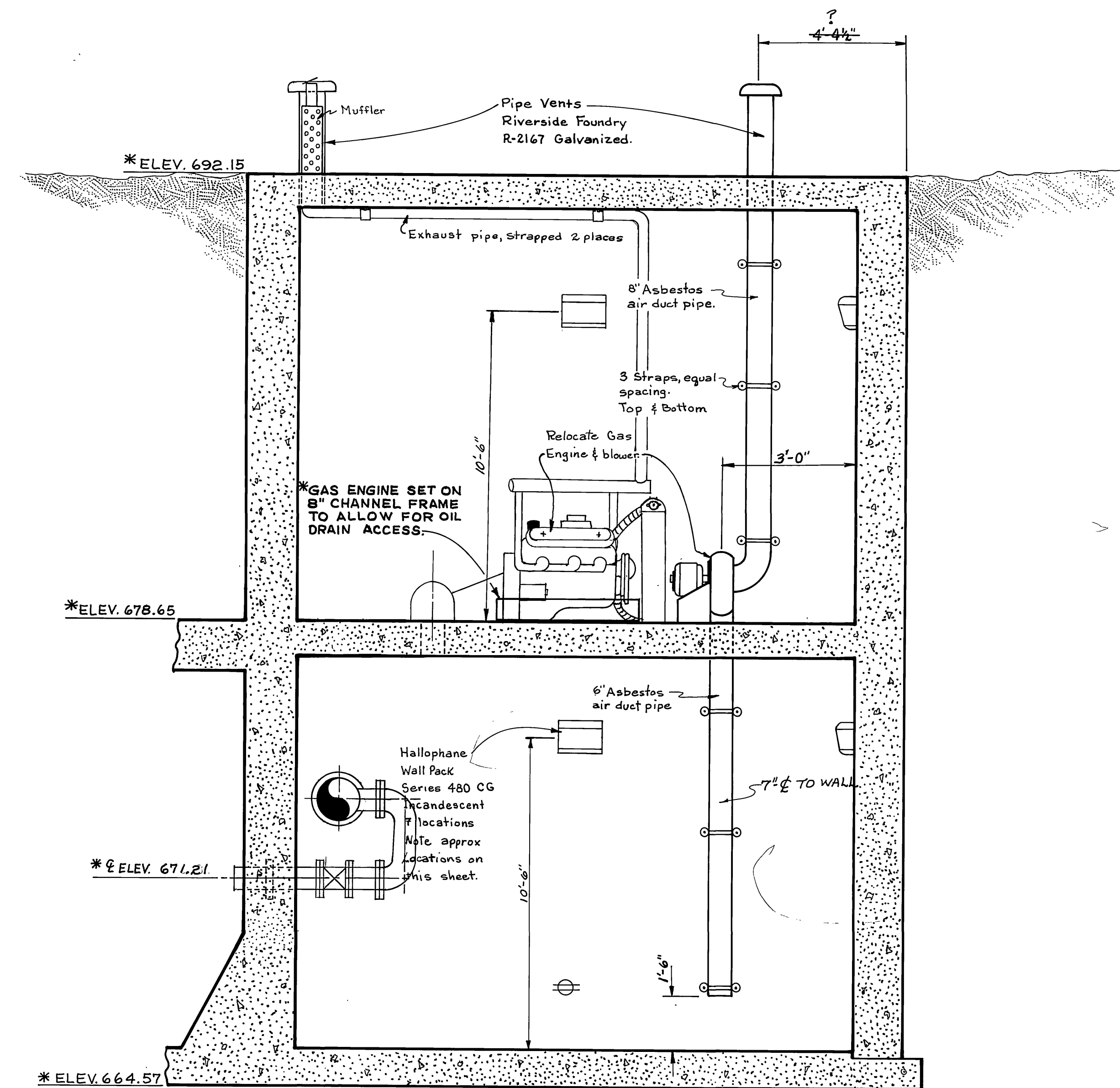
Note: Where a trade name is called out, "or approved equal" shall apply.

\* AS BUILT J.R.G. 2/4/71

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		SOUTHWEST INDUSTRIAL SEWER SYSTEM		ACCOUNT No. 542 DRAWING NUMBER
APPROVED BY: <i>[Signature]</i> PRINCIPAL ENGINEER		APPROVED BY: <i>[Signature]</i> DIRECTOR OF PUBLIC WORKS		S-762
DESIGNED BY: <i>[Signature]</i> DRAWN BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i>		DATE: 1-19-70		
MARK REVISIONS		SCALE: 3/8" = 1'-0"		SHEET 26H OF 27
				EDA-07-1-00553

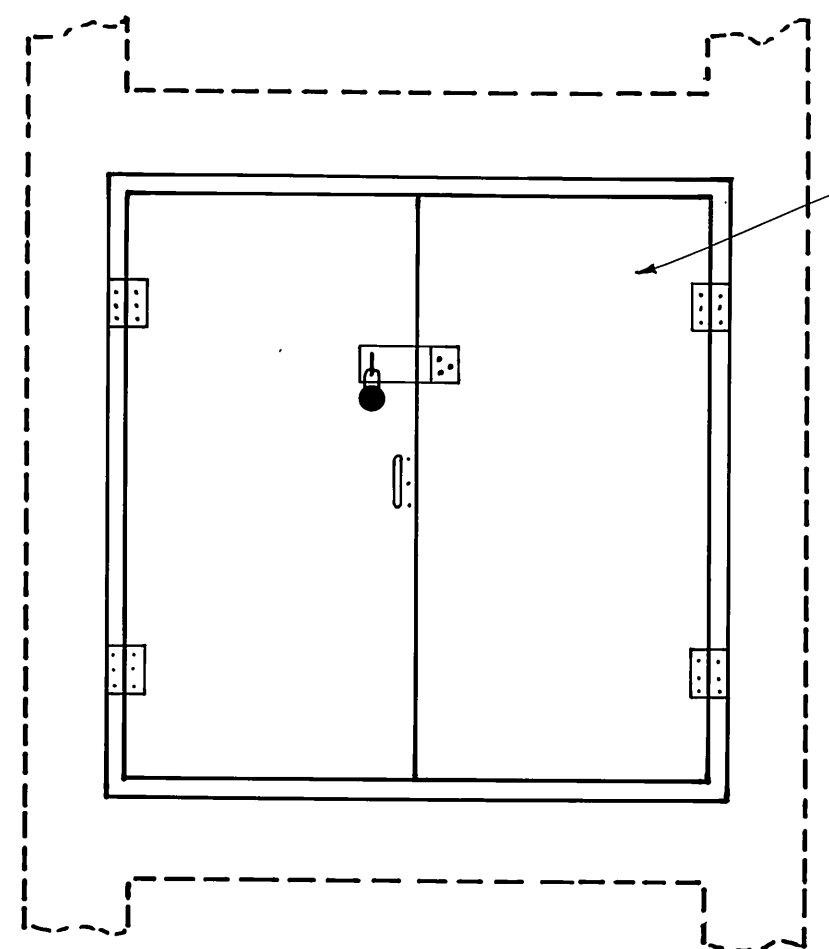


**SECTION H-H**  
SCALE: 3/8" = 1'-0"

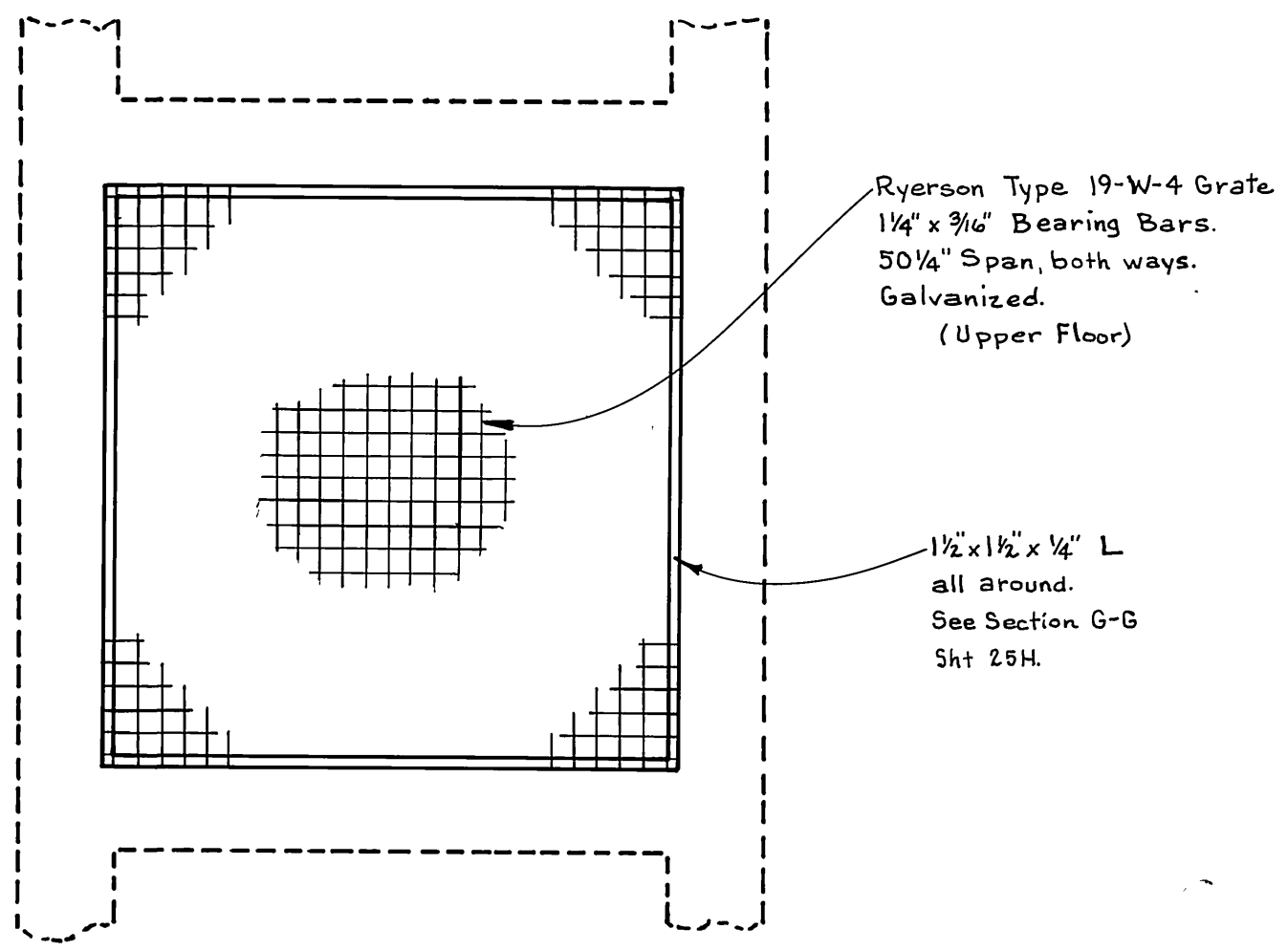


**SECTION I-I**  
SCALE: 3/8" = 1'-0"

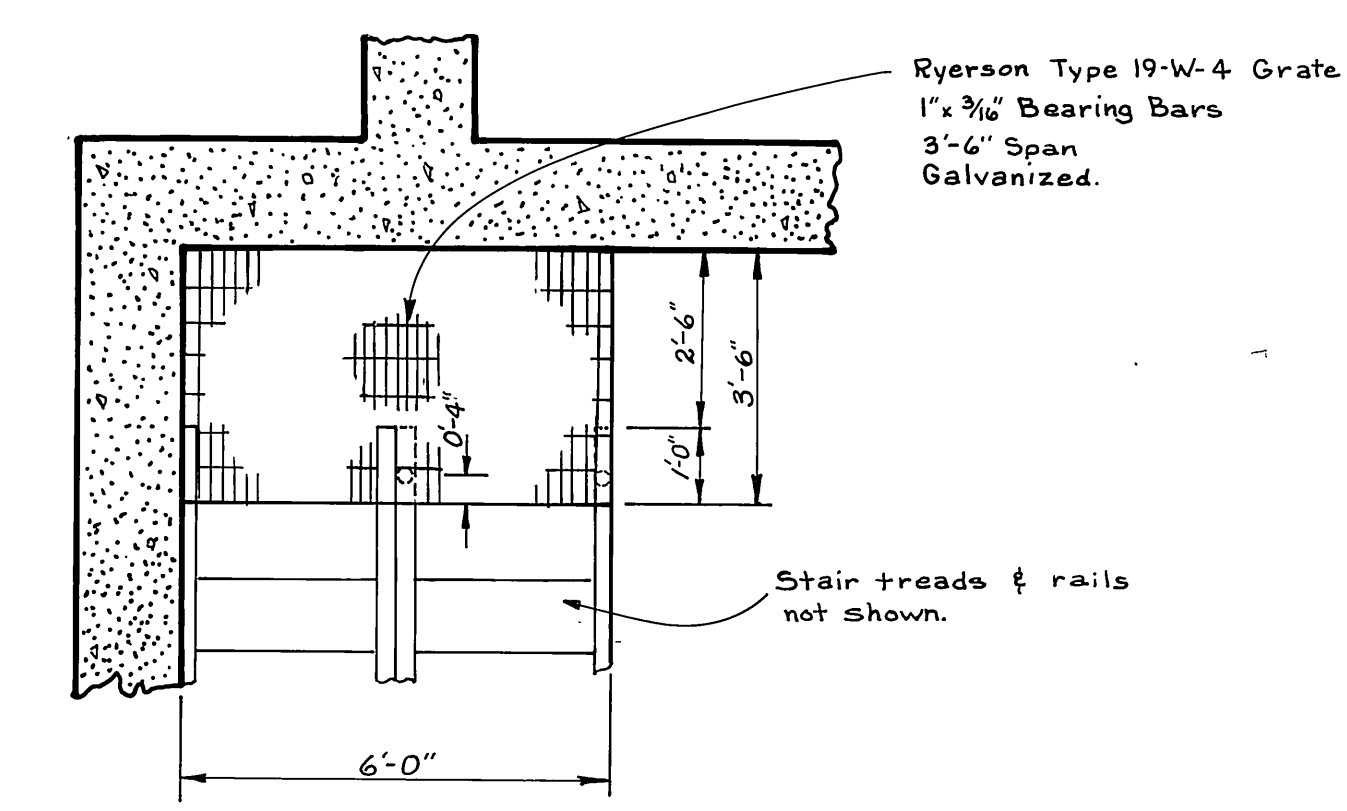
**NOTE:**  
1. Where a trade name is called out "or approved equal" shall apply.  
2. Detailed shop drawings shall be submitted by the Contractor as required by Section 74-1.04 of the State Specifications.



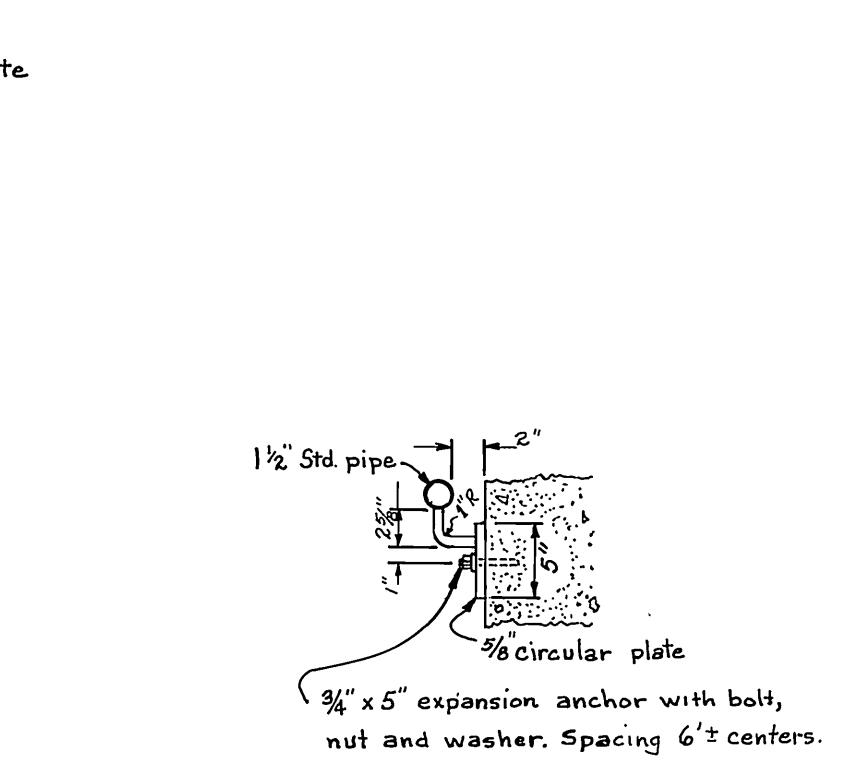
**DETAIL #1**  
ROOF HATCH  
SCALE: 3/4" = 1'-0"



**DETAIL #2**  
UPPER FLOOR HATCH  
SCALE: 3/4" = 1'-0"



**SECTION J-J**  
STAIRWAY LANDING GRATING  
SCALE: 3/4" = 1'-0"



**SECTION K-K**  
WALL MOUNTED HANDRAIL  
SCALE: 3" = 1'-0"

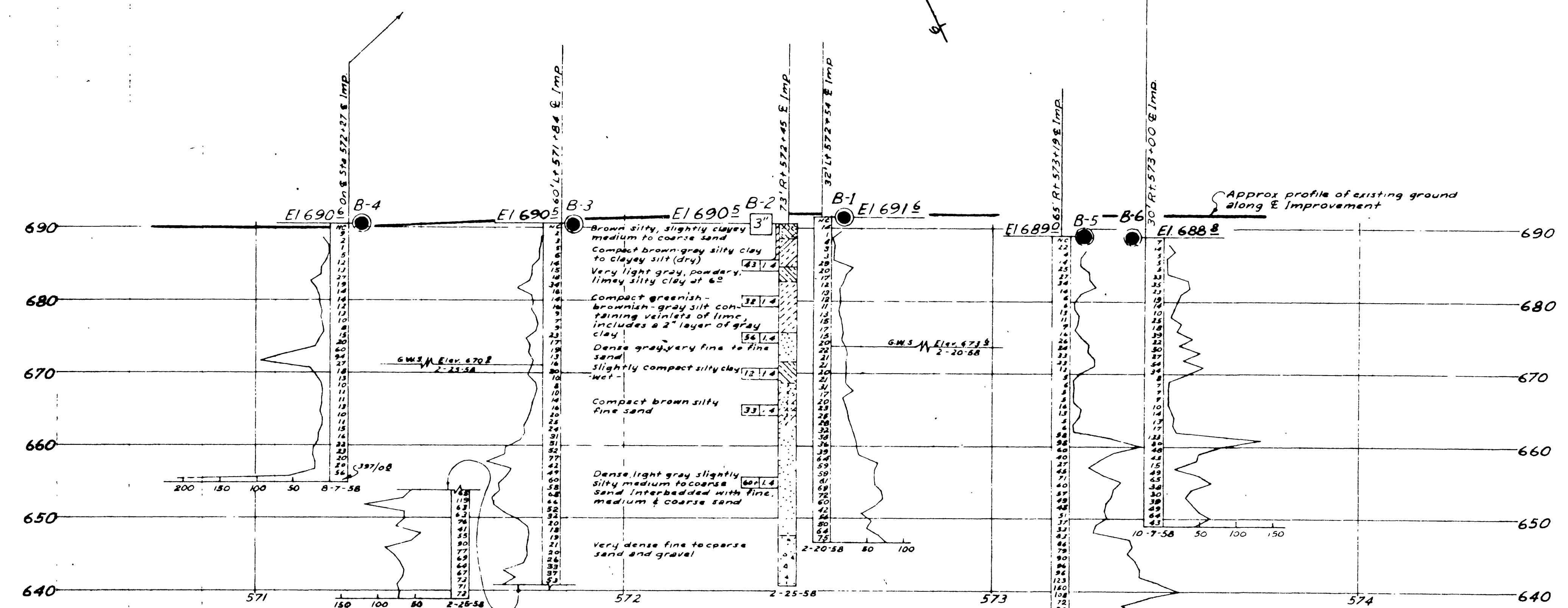
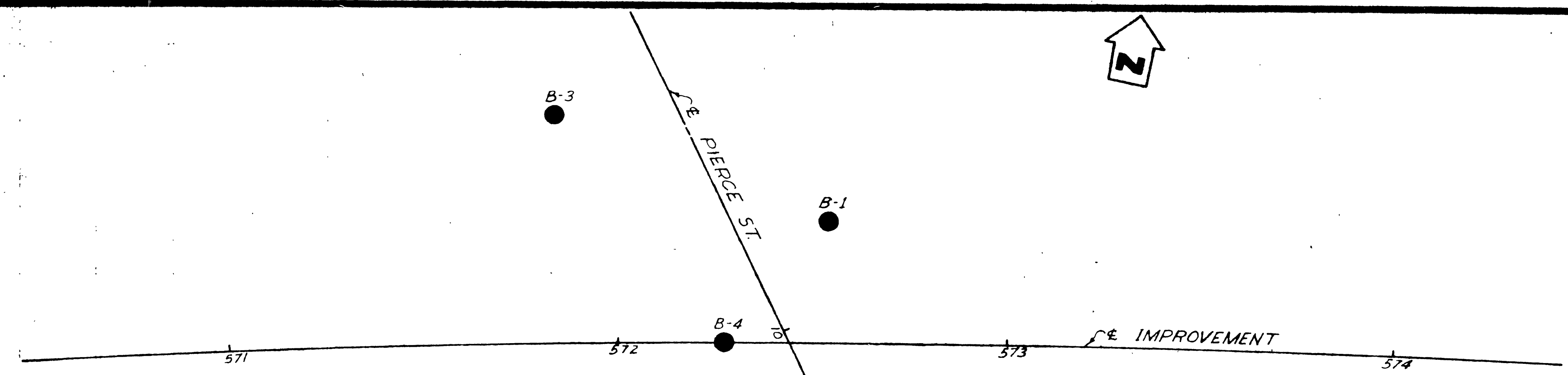
CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT		SOUTHWEST INDUSTRIAL SEWER SYSTEM		ACCOUNT No. 542 DRAWING NUMBER
APPROVED BY: [Signature] DATE: 1-19-70		APPROVED BY: [Signature] DATE: 1-19-70		S-762 SHEET 27H OF 27
DESIGNED BY: [Signature] DRAWN BY: [Signature] CHECKED BY: [Signature]		PIERCE STR. PUMP STATION EQUIPMENT SECTIONS & DETAILS		
SCALE: See above:		SCALE: See above:		EDA-07-1-00553

U-0269 (7)  
F-0269 (6)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	CAL.			266	274

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
VIII	Riv	43	8	9	9

DATE APPROVED: October 29, 1959

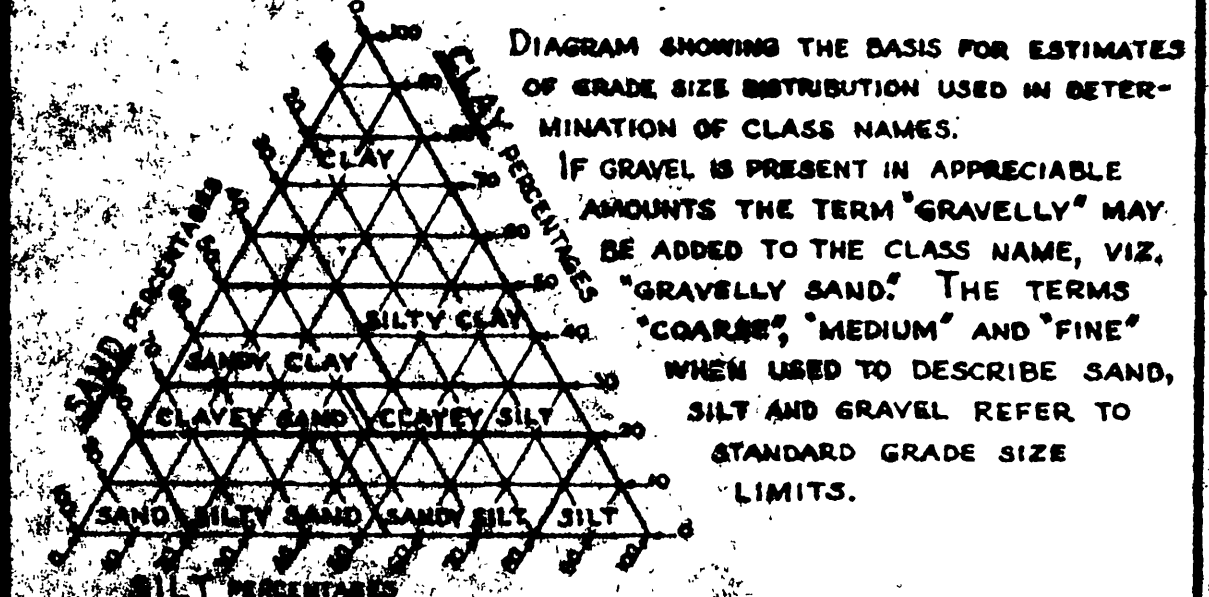


AS BUILT  
J. P. Hoban  
60-8VC9-F  
2/20/61

BM 19B-56 Elev 693.25  
Chis 'X' on S.E. cor of  
33' x 43' P.C.C. Tty. 372  
Lt Sta 570+64 P.O.C. & Imp.

**TO BE USED ON  
SOUTHWEST INDUSTRIAL  
SEWER SYSTEM**

**CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMITS**



**LEGEND OF EARTH MATERIALS**

- GRAVEL
- SAND
- SILT
- CLAY
- SANDY CLAY OR CLAYEY SAND
- SANDY SILT OR SILTY SAND
- SILTY CLAY OR CLAYEY SILT
- PEAT AND/OR ORGANIC MATTER
- FILL MATERIAL
- IGNEOUS ROCK
- SEDIMENTARY ROCK
- METAMORPHIC ROCK

**LEGEND OF BORING NOTATIONS**

- PLAN OF ANY BORING
- PENETROMETER
- 2 1/4" CONE PENETROMETER
- SAMPLER BORING (DRY)
- ROTARY BORING (WEY)
- AUGER BORING (DRY)
- JET BORING
- CORE BORING
- TEST PIT

**NOTES**

The contractor's attention is directed to Section 2, Article (c) of the Standard Specifications and to the Special Provisions accompanying this set of plans. Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS			
<b>PIERCE STREET UNDERCROSSING</b>			
<b>LOG OF TEST BORINGS</b>			
Horiz 1"=20' SCALE Vert 1"=10'	BRIDGE 56-369 P/L	FILE E-56	DRAWING S-762