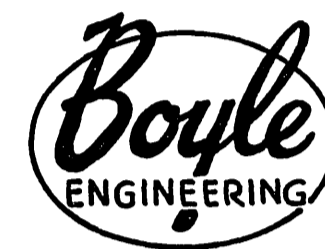


IMPROVEMENT PLANS FOR SANITARY SEWERS

ASSESSMENT DISTRICT NO. 1 LA SIERRA COMMUNITY SERVICES DISTRICT COUNTY OF RIVERSIDE STATE OF CALIFORNIA

PREPARED IN THE OFFICE
OF



CONSULTING ENGINEERS

331 SPURGEON BUILDING
SANTA ANA, CALIFORNIA
PHONE KIMBERLY 7-4471

DIRECTORS OF LA SIERRA COMMUNITY SERVICES DISTRICT

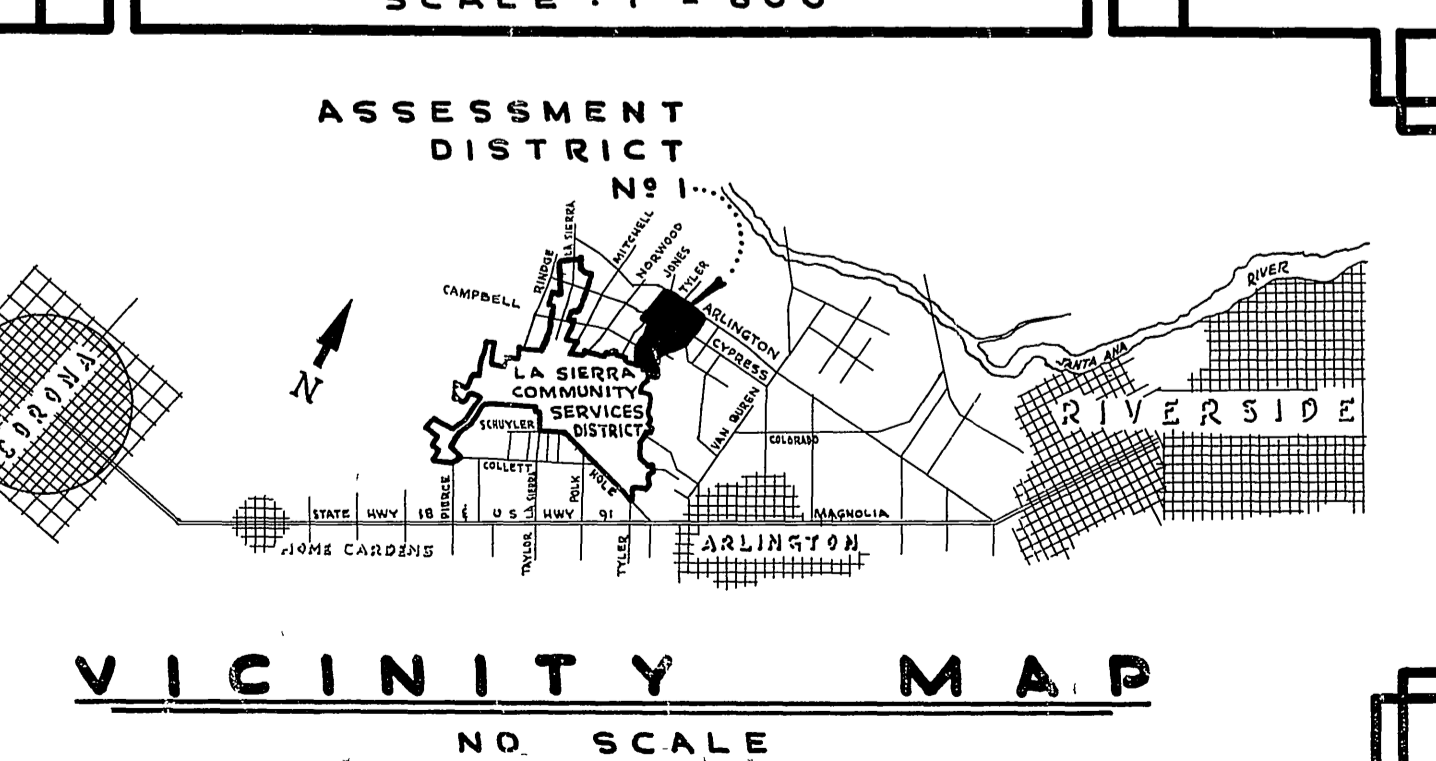
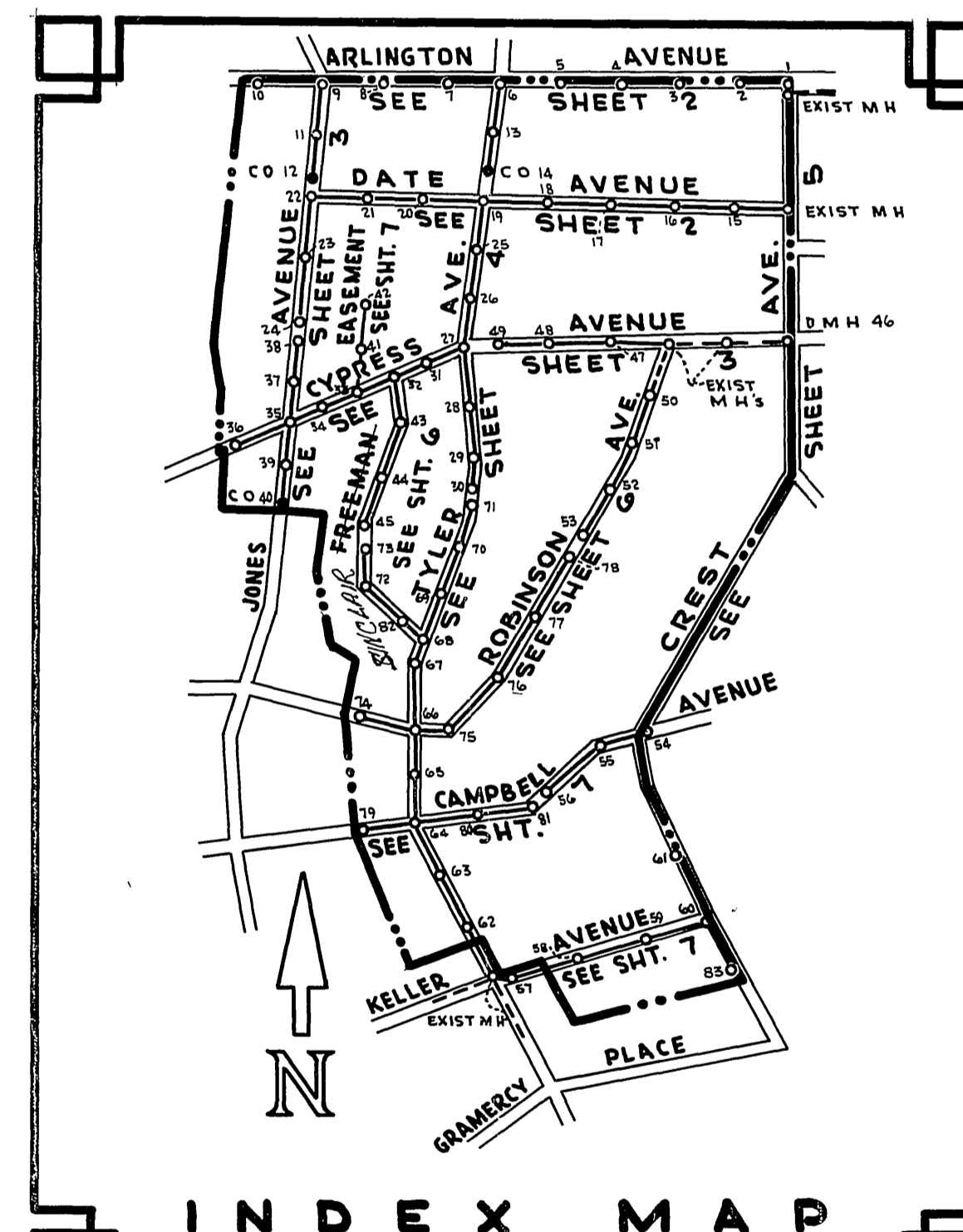
K.F. AMBS, PRESIDENT
GEORGE ALLEN
WILLIAM LIGHTFELDT
KIETH RICH
RICHARD SEIDLER

ESTIMATED QUANTITIES

- 1. 8" VCP SEWER... 21,430 LIN. FT.
- 2. STANDARD MANHOLE (79)... 680' VERT. FT.
- 3. STD. DROP MANHOLE (1)... 7 VERT. FT.
- 4. STANDARD CLEANOUT (3)... 22 VERT. FT.
- 5. 6" VCP CHIMNEYS... 90 VERT. FT.
- 6. 4" VCP HOUSE CONNECTION... 6,250 LIN. FT.

SEWER LEGEND

- 1. 8" VCP SEWER WITH MANHOLE
- 2. 8" VCP SEWER WITH CLEANOUT
- 3. SEWER WITH HOUSE CONNECTION AND WYE
- 4. SEWER WITH CHIMNEY



APPROVALS

APPROVED BY THE LA SIERRA COMMUNITY SERVICES DISTRICT THIS 17th DAY OF November, 1959.

K.F. Ambs
K.F. AMBS, PRESIDENT

APPROVED THIS 6 DAY OF October, 1959.

Edwin H. Finster
EDWIN H. FINSTER, C.E. 8624
BOYLE ENGINEERING

NOTE

THE LA SIERRA COMMUNITY SERVICES DISTRICT IS SERVED WITH THE FOLLOWING UTILITIES:
TWIN BUTTES WATER COMPANY, LA SIERRA ARLINGTON MUTUAL WATER COMPANY, LA SIERRA CITIZENS DOMESTIC WATER COMPANY, ARLINGTON SOUTHERN CALIFORNIA EDISON COMPANY SOUTHERN CALIFORNIA GAS COMPANY PACIFIC TELEPHONE AND TELEGRAPH COMPANY SEVERAL PRIVATE WATER SUPPLIES OPERATE IN THIS AREA.

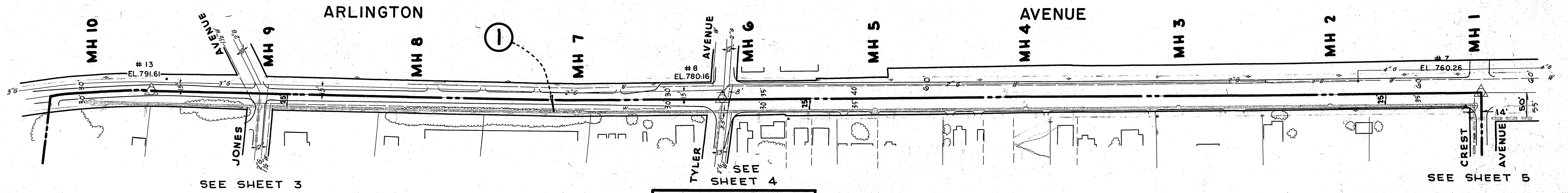
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UTILITIES.

BENCH MARK

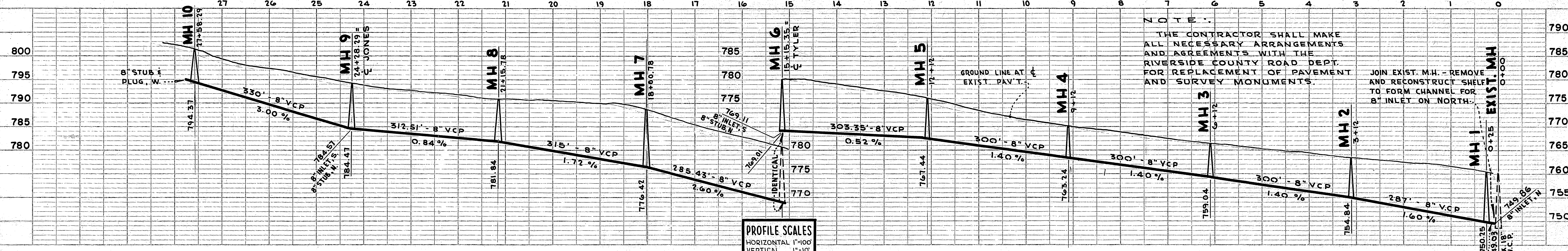
RIVERSIDE COUNTY BENCHMARK NUMBER 9 CHISELLED CROSS SOUTHEAST CORNER OF CONCRETE PORCH OF CHURCH ON SOUTHWEST CORNER OF TYLER AND CAMPBELL AVENUES.
ELEVATION : 777.57

INDEXED R.R.			
DESIGN	WAH	BOYLE ENGINEERING	
DRAWN	bk	SANTA ANA, CALIF.	
CHECKED	bt	DATE	OCT 1959
		NO.	7622
		PROJECT	D-736
		DATE	OCT 15
		SHEET	1
		OF 7 SHEETS	

DATE	
BY	
DESIGNED BY	
CHECKED BY	
DATE	
NO.	
NOTE BOOK ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NO.	



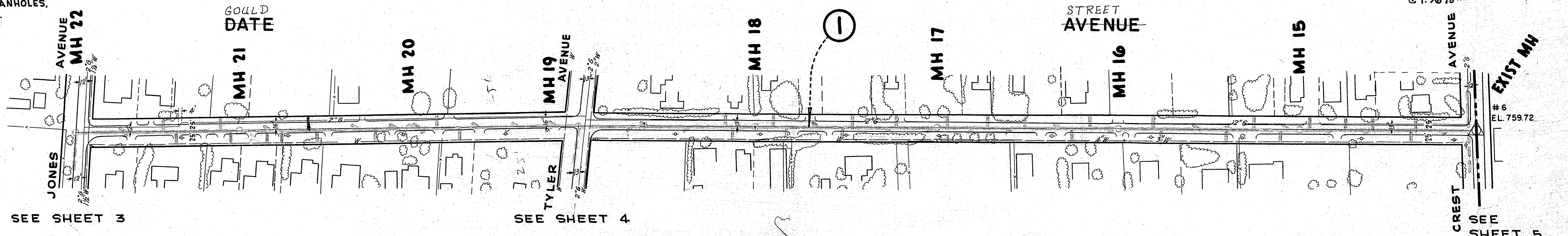
PLAN SCALE: 1" = 100'



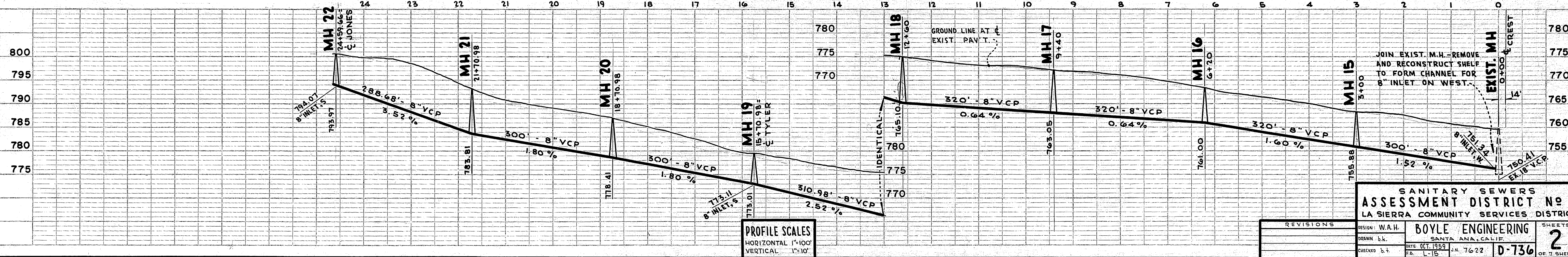
NOTE:
THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS AND AGREEMENTS WITH THE RIVERSIDE COUNTY ROAD DEPT. FOR REPLACEMENT OF PAVEMENT AND SURVEY MONUMENTS.
JOIN EXIST. M.H. - REMOVE AND RECONSTRUCT SHELVE TO FORM CHANNEL FOR 8" INLET ON NORTH.

PROFILE SCALES
HORIZONTAL 1"=100'
VERTICAL 1"=10'

① CONSTRUCT 8" VCP SEWER, STANDARD MANHOLES, 4" VCP HOUSE CONNECTIONS AND WYES.



PLAN SCALE: 1" = 100'



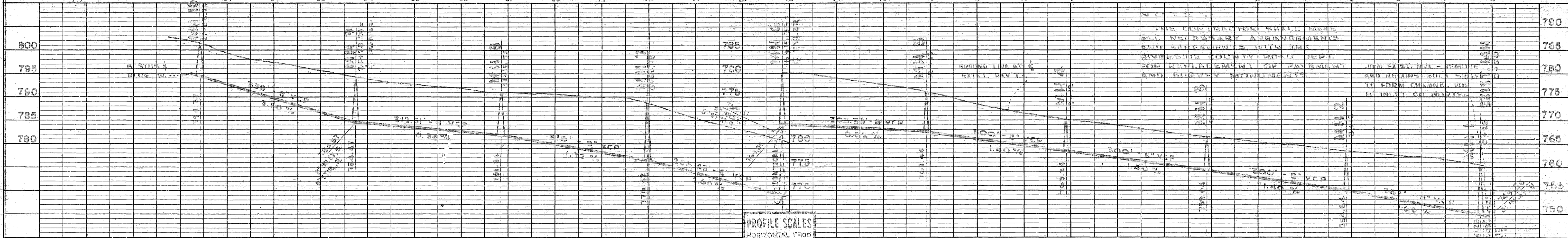
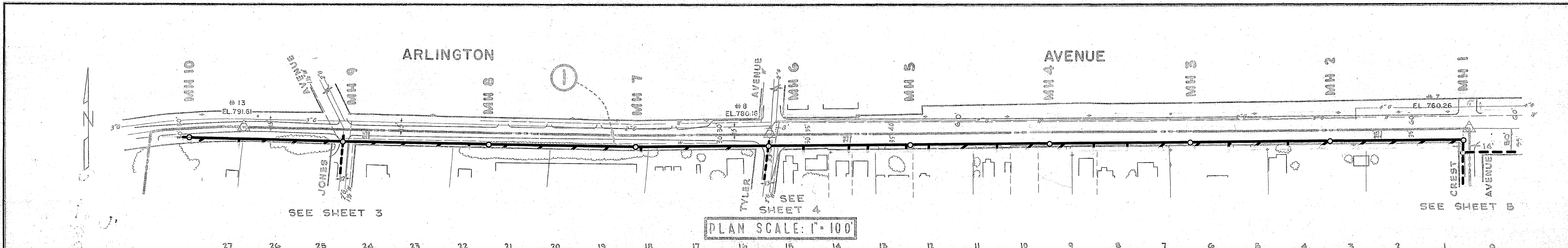
NOTE:
JOIN EXIST. M.H. - REMOVE AND RECONSTRUCT SHELVE TO FORM CHANNEL FOR 8" INLET ON WEST.

PROFILE SCALES
HORIZONTAL 1"=100'
VERTICAL 1"=10'

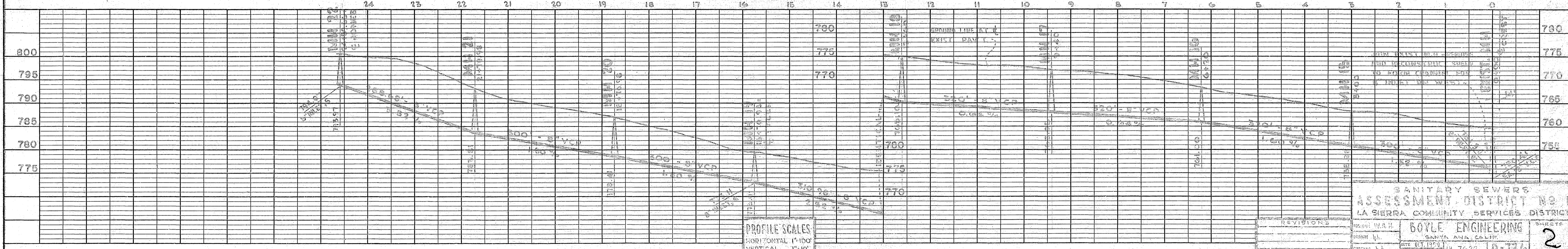
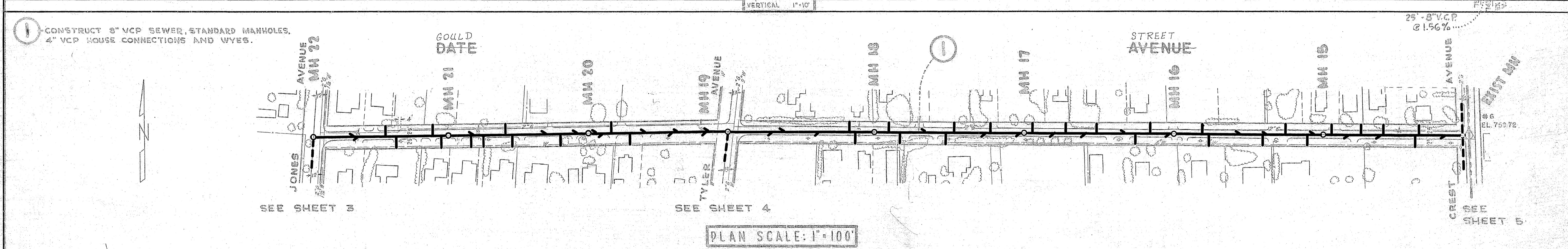
DATE	
BY	
DESIGNED BY	
CHECKED BY	
DATE	
NO.	
NOTE BOOK GRADES CHECKED	
STRUCTURE INDICATED ON P.L.	
NO.	

REVISIONS	DESIGN: W.A.H.	BOYLE ENGINEERING	SHEETS
	DRAWN: b.k.	SANTA ANA, CALIF.	2
	CHECKED: b.t.	DATE: OCT. 1953	
		DATE: J.N. 7622	
		DATE: L-15	

PLAN
 SURVEYED
 NOTE BOOK GRADES CHECKED
 B. M. NOTED
 STRUCTURE NOTINGS CHKD
 NO. _____
 BY _____
 DATE _____



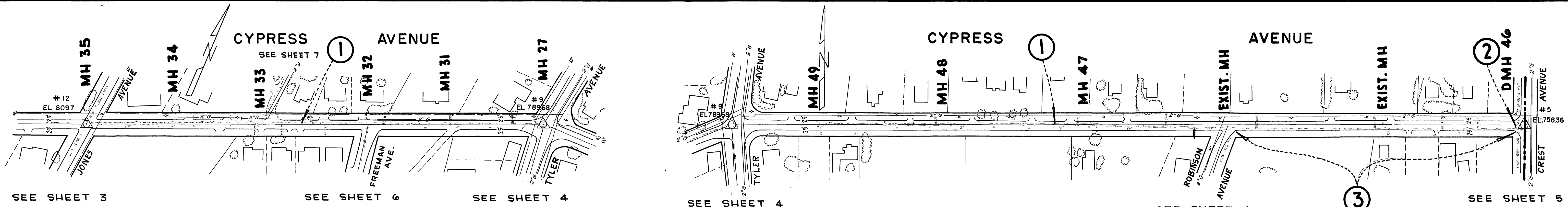
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 NOTE BOOK GRADES CHECKED
 B. M. NOTED
 STRUCTURE NOTINGS CHKD
 NO. _____
 BY _____
 DATE _____



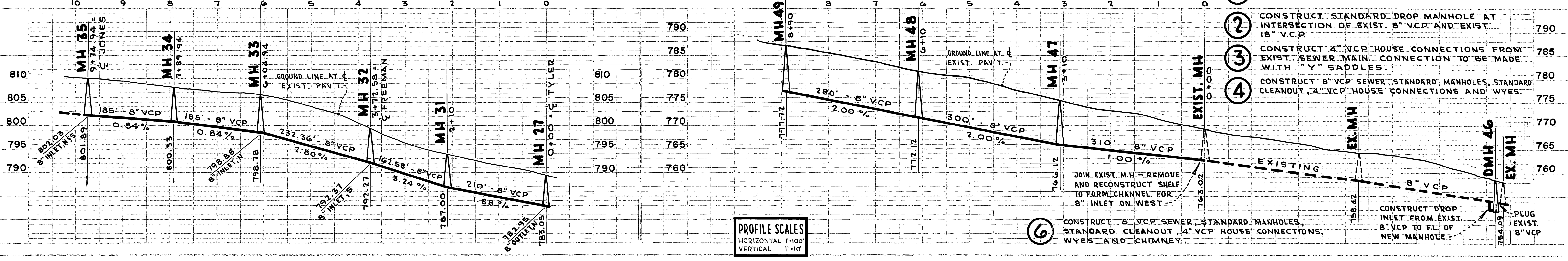
SANITARY SEWERS
 ASSESSMENT DISTRICT NO. 1
 LA SIERRA COMMUNITY SERVICES DISTRICT

BOYLE ENGINEERING
 SANTA ANA, CALIF.

DATE: 11/10/10
 SHEET NO. 2
 OF 2 SHEETS

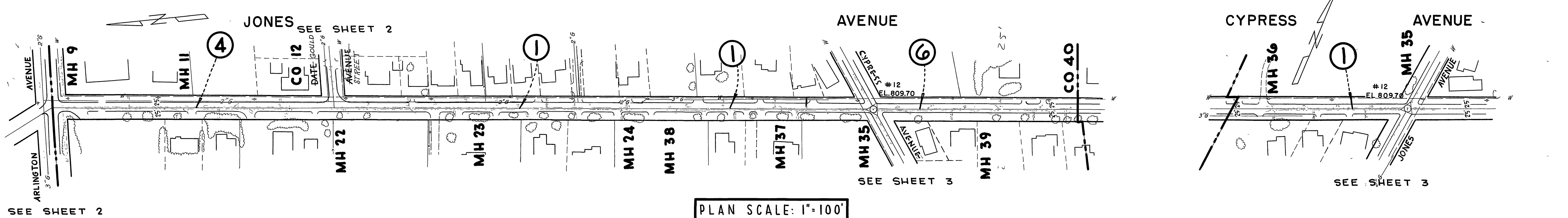


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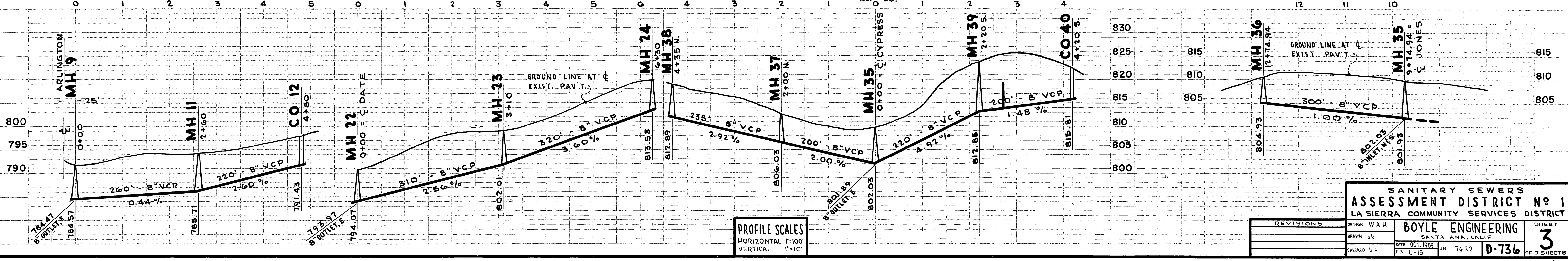


PROFILE SCALES
HORIZONTAL 1"=100'
VERTICAL 1"=10'

- 1 CONSTRUCT 8" VCP SEWER, STANDARD MANHOLES, 4" VCP HOUSE CONNECTIONS AND WYES.
- 2 CONSTRUCT STANDARD DROP MANHOLE AT INTERSECTION OF EXIST. 8" VCP AND EXIST. 18" VCP.
- 3 CONSTRUCT 4" VCP HOUSE CONNECTIONS FROM EXIST. SEWER MAIN. CONNECTION TO BE MADE WITH "Y" SADDLES.
- 4 CONSTRUCT 8" VCP SEWER, STANDARD MANHOLES, STANDARD CLEANOUT, 4" VCP HOUSE CONNECTIONS AND WYES.
- 6 CONSTRUCT 8" VCP SEWER, STANDARD MANHOLES, STANDARD CLEANOUT, 4" VCP HOUSE CONNECTIONS, WYES AND CHIMNEY.



PLAN SCALE: 1" = 100'



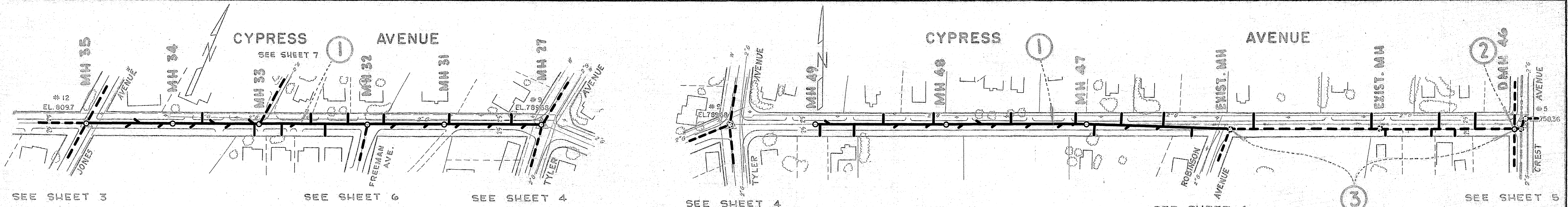
PROFILE SCALES
HORIZONTAL 1"=100'
VERTICAL 1"=10'

SANITARY SEWERS
ASSESSMENT DISTRICT NO. 1
LA SIERRA COMMUNITY SERVICES DISTRICT

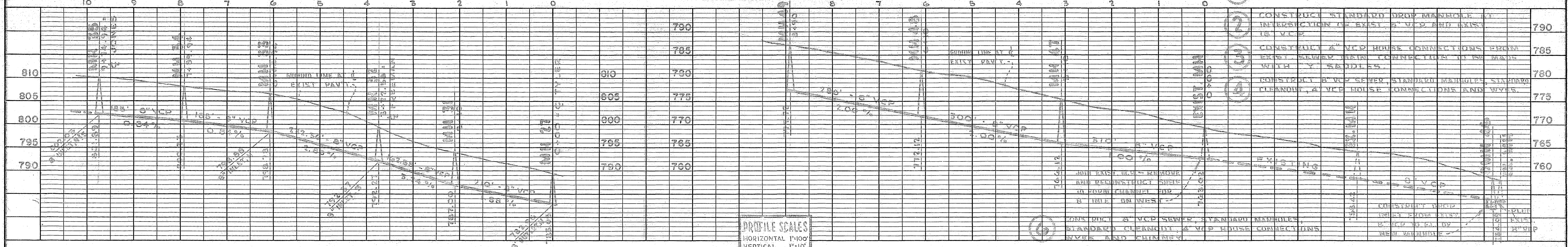
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DRAWN BK	SANTA ANA, CALIF	OF 7 SHEETS
CHECKED b4	DATE OCT. 1959	
	FR L-15	JN 7622

D-736

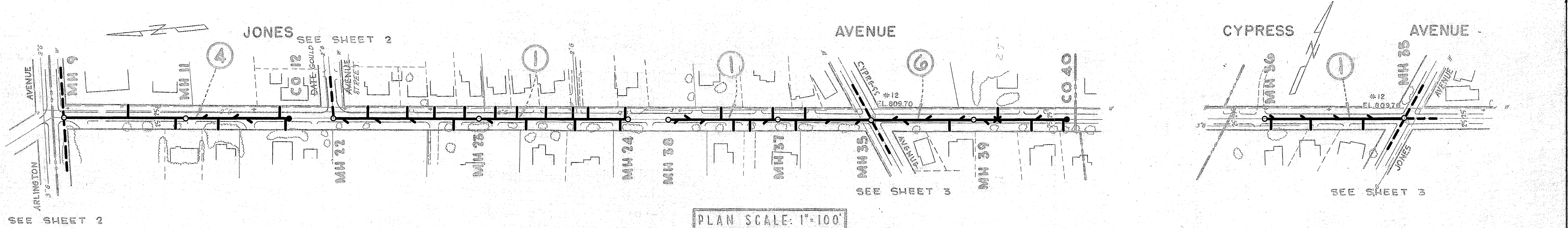
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 ALIGNMENT CHECKED: _____
 GRADES CHECKED: _____
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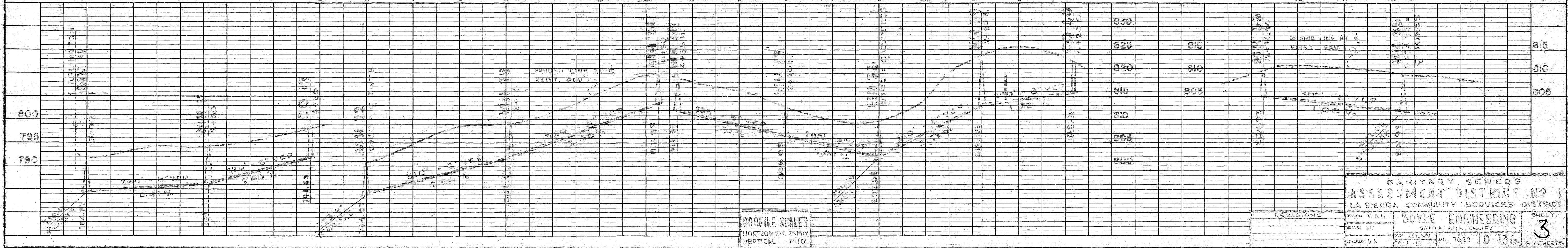
PLAN SCALE: 1"=100'



DATE: _____ BY: _____
 SURVEYED: _____
 PROFILE NOTE BOOK: _____
 GRADES CHECKED: _____
 NO. OF STRUCTURE NOTATIONS CHECKED: _____
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PLAN SCALE: 1"=100'



SANITARY SEWERS
 ASSESSMENT DISTRICT NO 1
 LA SIERRA COMMUNITY SERVICES DISTRICT

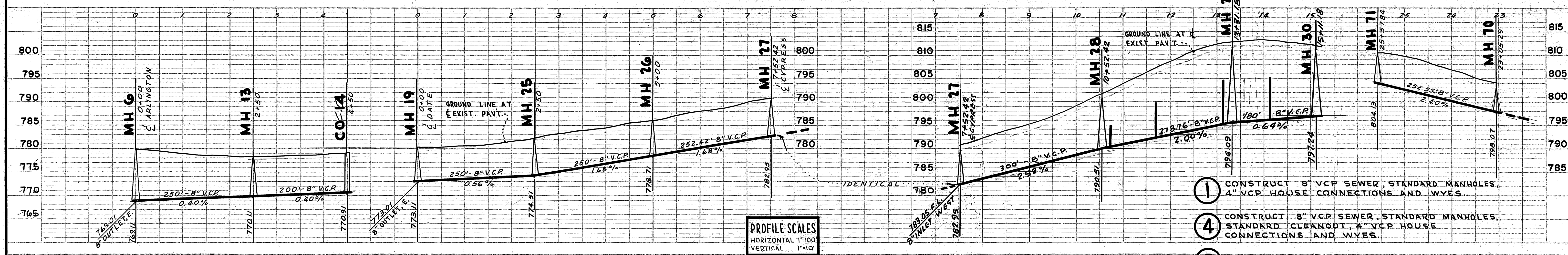
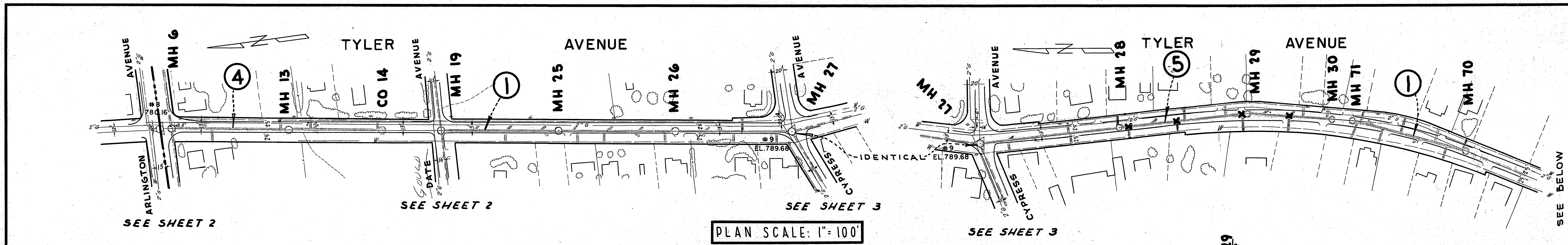
BOYLE ENGINEERING
 10701 10th St
 San Diego, CA 92121
 TEL: 619-594-1111
 FAX: 619-594-1112

REVISIONS

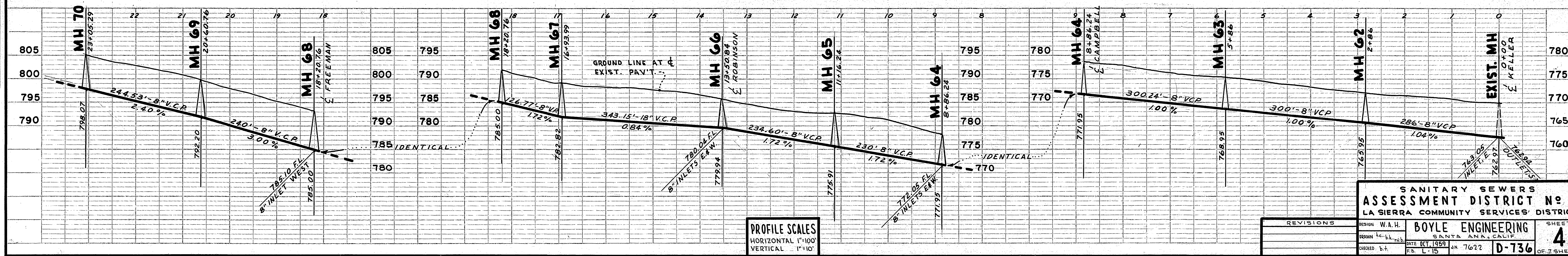
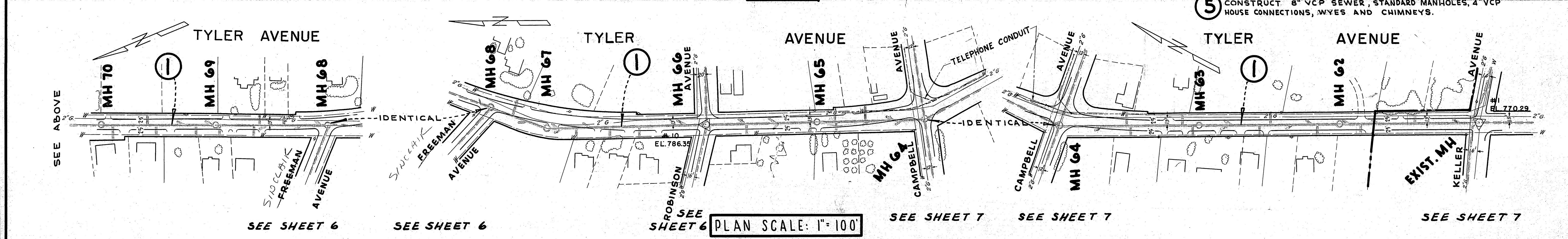
DATE: 08/20/00
 DRAWN BY: W.A.H.
 CHECKED BY: S.A.T.
 DESIGNED BY: S.A.T.

SHEET 3
 OF 7 SHEETS

DATE: _____ BY: _____
 PLAN
 SURVEYED: _____
 NOTE BOOK GRADES CHECKED: _____
 E. I.S. NOTED: _____
 NO. _____
 STRUCTURE: ROTARY CHUCK



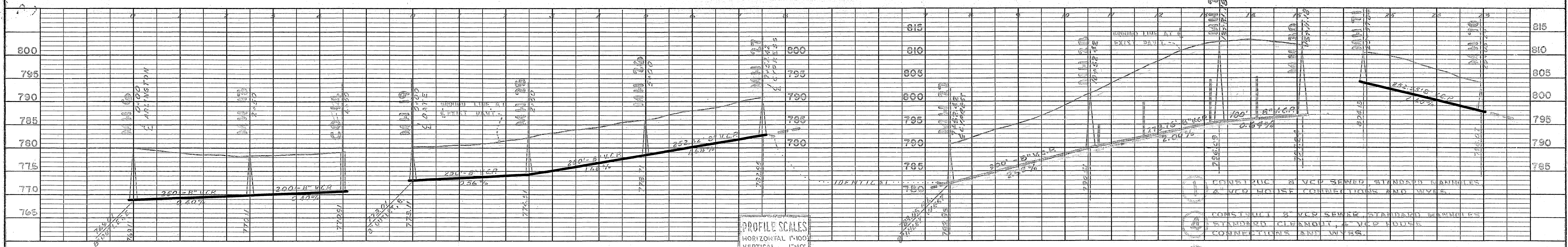
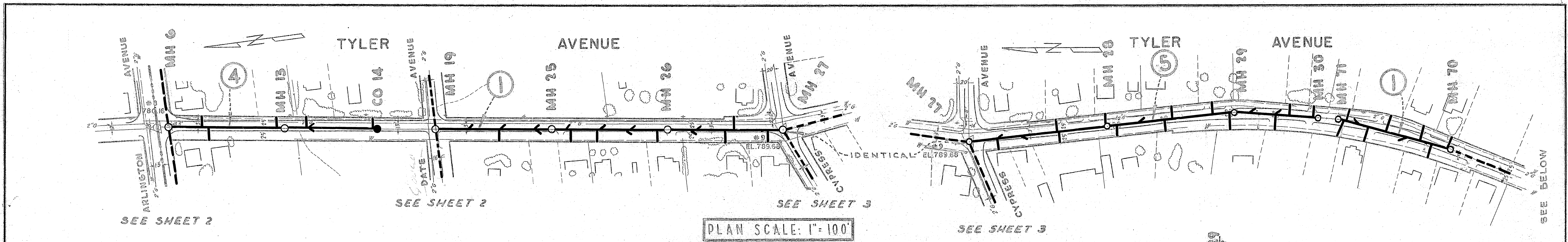
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 SURVEYED: _____
 NOTE BOOK GRADES CHECKED: _____
 E. I.S. NOTED: _____
 NO. _____
 STRUCTURE: ROTARY CHUCK



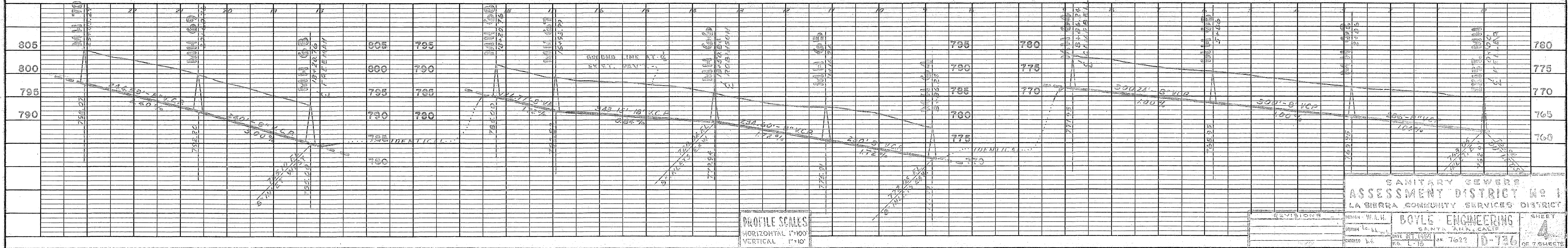
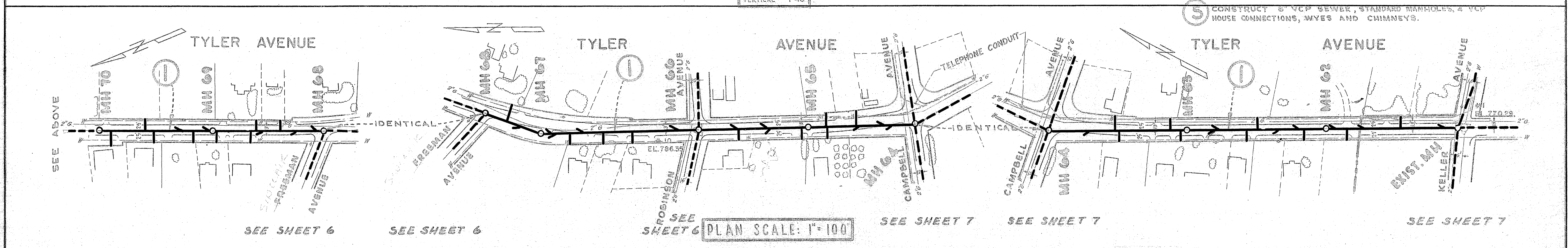
SANITARY SEWERS
 ASSESSMENT DISTRICT NO. 1
 LA SIERRA COMMUNITY SERVICES DISTRICT

DESIGN: W.A.H.	BOYLE ENGINEERING	SHEET: 4
DRAWN: K.C.K.	SANTA ANA, CALIF.	OF 7 SHEETS
CHECKED: B.H.	DATE: OCT. 1959	
	REV. 1-15	
	JUN. 7622	
	D-736	

PLAN
 SURVEYED
 NOTE BOOK GRADES CHECKED
 B. M. 3 NOTED
 RT. OF WAY CHECKED
 NO. _____
 BY _____
 DATE _____



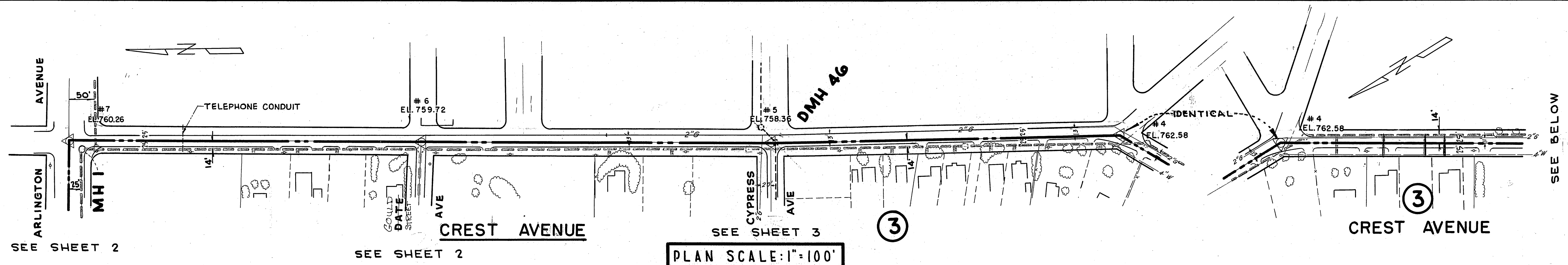
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 BY _____
 DATE _____



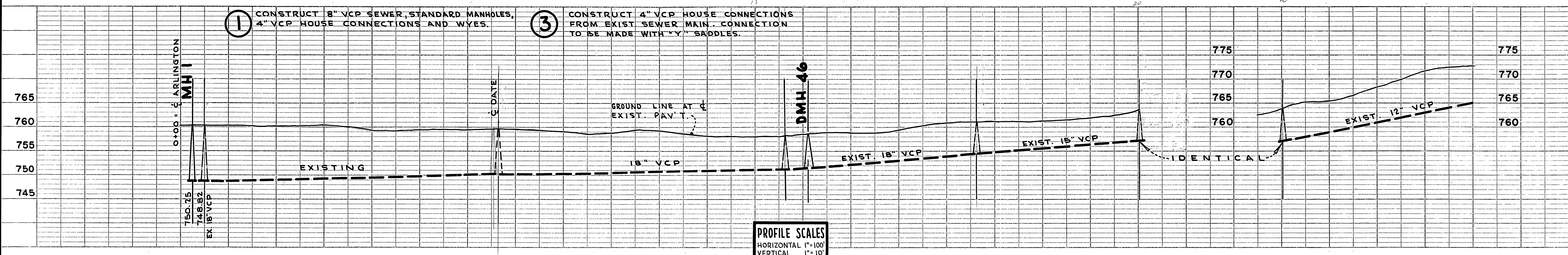
- ④ CONSTRUCT 8" VCP SEWER, STANDARD MANHOLES, & VCP HOUSE CONNECTIONS AND WYES.
- ⑤ CONSTRUCT 6" VCP SEWER, STANDARD MANHOLES, & VCP HOUSE CONNECTIONS, WYES AND CHIMNEYS.

SANITARY SEWERS
 ASSESSMENT DISTRICT NO. 1
 LA BERRA COMMUNITY SERVICES DISTRICT
 BOYLE ENGINEERING
 1000 S. GATEWAY
 SAN ANTONIO, TEXAS 78204
 PHONE 541-1111
 FAX 541-1112

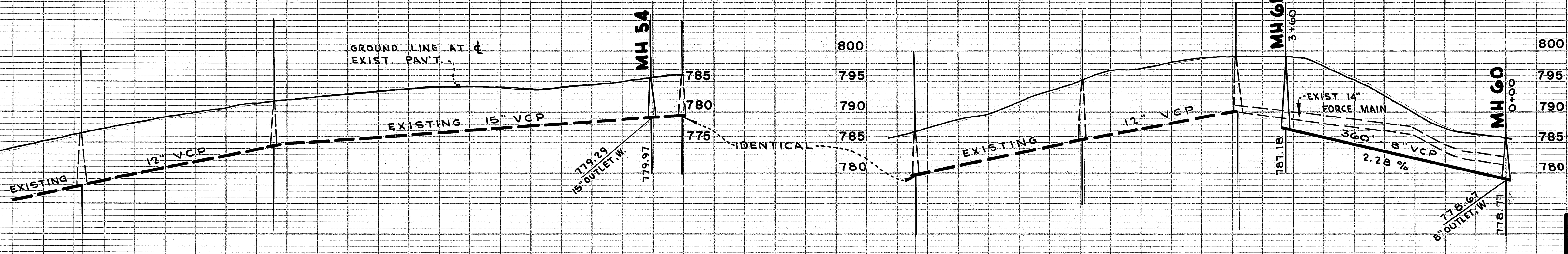
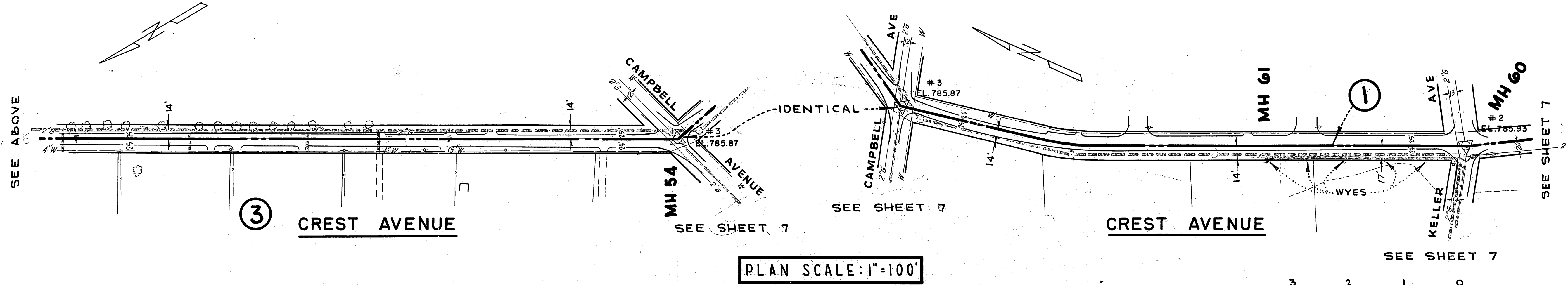
PLAN SURVEYED BY DATE
 PLOTTED BY
 NOTE BOOK NO. CHECKED BY
 FT. OF WAY CHECKED BY



① CONSTRUCT 8" VCP SEWER, STANDARD MANHOLES, 4" VCP HOUSE CONNECTIONS AND WYES.
 ③ CONSTRUCT 4" VCP HOUSE CONNECTIONS FROM EXIST. SEWER MAIN. CONNECTION TO BE MADE WITH "Y" SADDLES.



PROFILE SURVEYED BY DATE
 PLOTTED BY
 NOTE BOOK NO. CHECKED BY
 STRUCTURE NOTATIONS CHECKED BY



SANITARY SEWERS
 ASSESSMENT DISTRICT No. 1
 LA SIERRA COMMUNITY SERVICES DISTRICT

DESIGN: W.A.H.
 DRAWN: B.L.
 CHECKED: b.t.

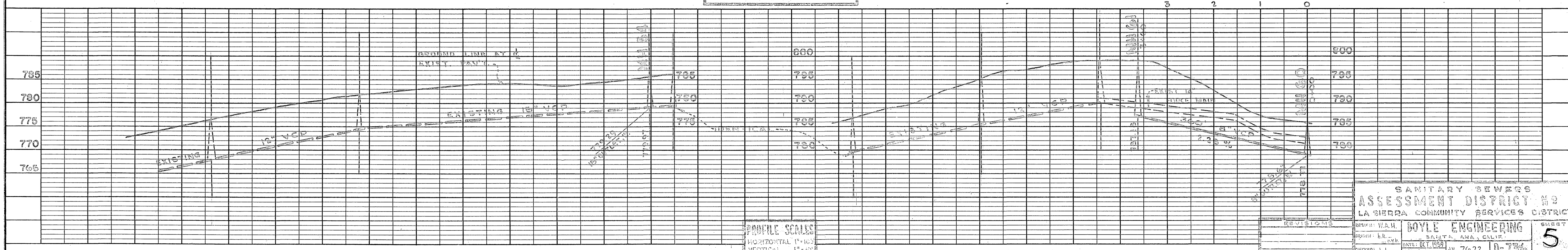
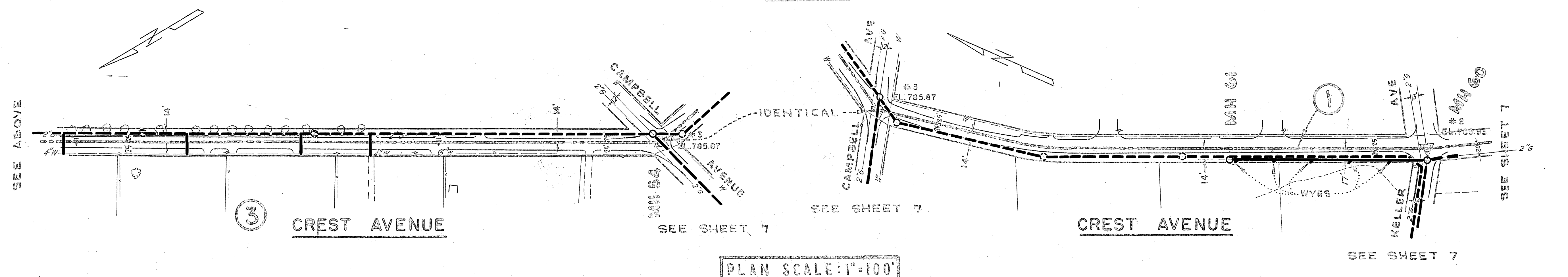
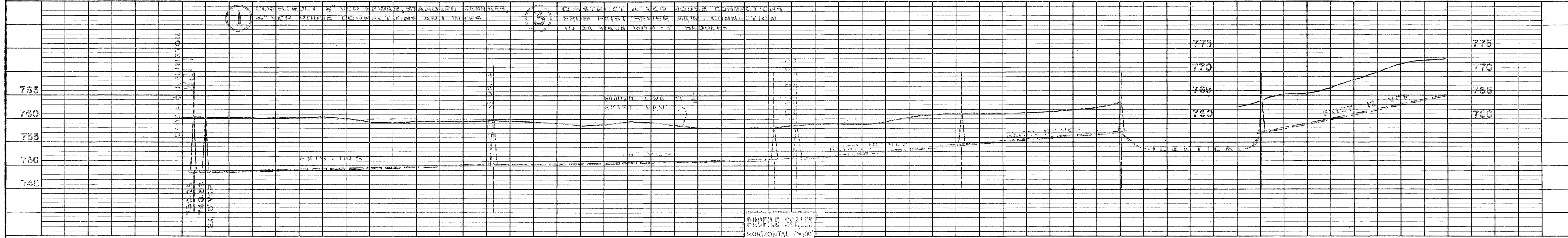
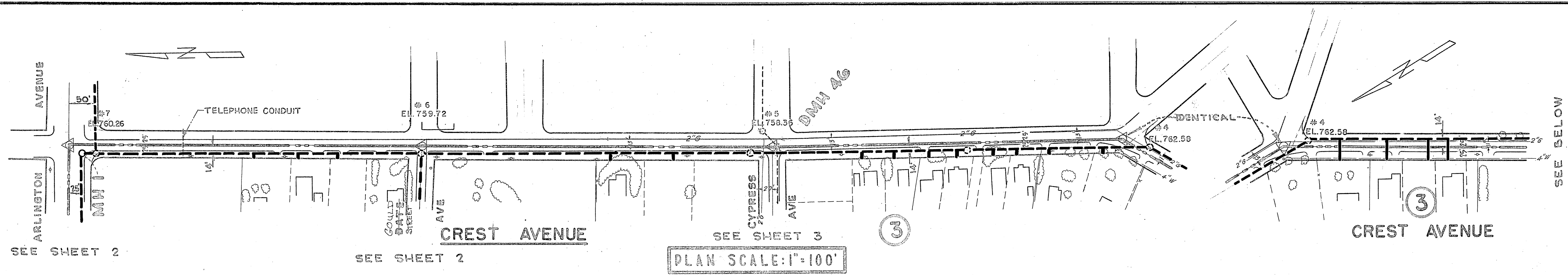
BOYLE ENGINEERING
 SANTA ANA, CALIF.

DATE: OCT. 1959
 JN. 76 22

SHEET 5 OF 7 SHEETS
 D-736

PLAN	DATE
SURVEYED	BY
NOTE BOOK	GRADES CHECKED
NO.	RT. OF WAY CHECKED

PROFILE	DATE
SURVEYED	BY
NOTE BOOK	GRADES CHECKED
NO.	STRUCTURE NOTATIONS



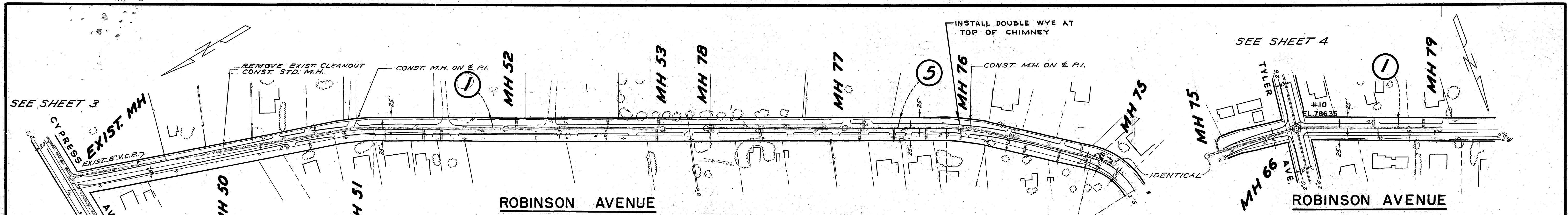
SANITARY SEWERS
ASSESSMENT DISTRICT NO. 1
LA SIERRA COMMUNITY SERVICES DISTRICT

BOYLE ENGINEERING
SANITA, CALIF.

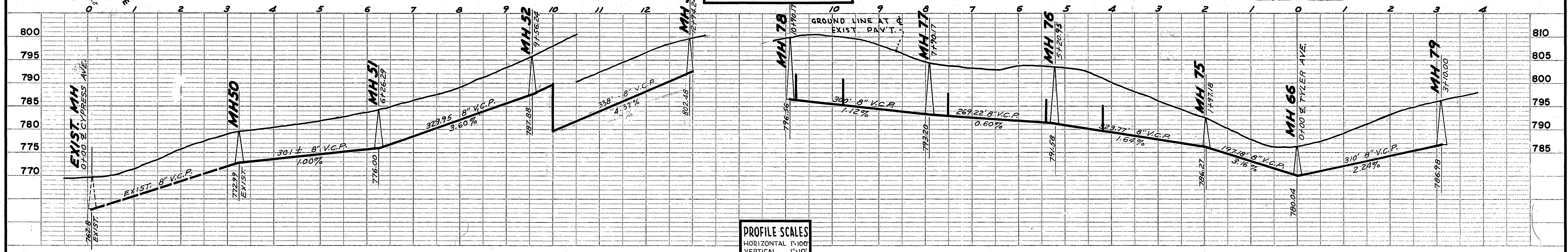
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JOB NO. 7622
SHEET 5 OF 7 SHEETS

DATE	
BY	
SUPVISED	
NOTE BOOK	
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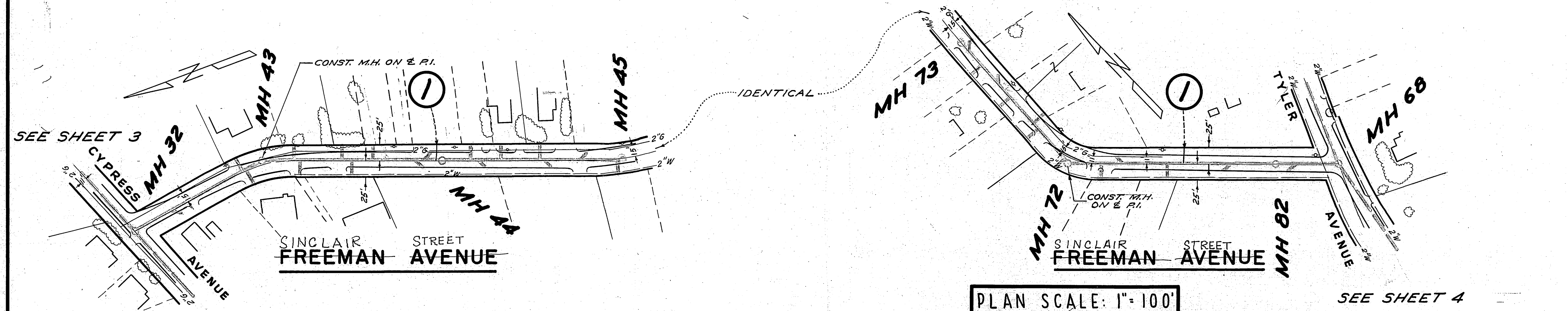
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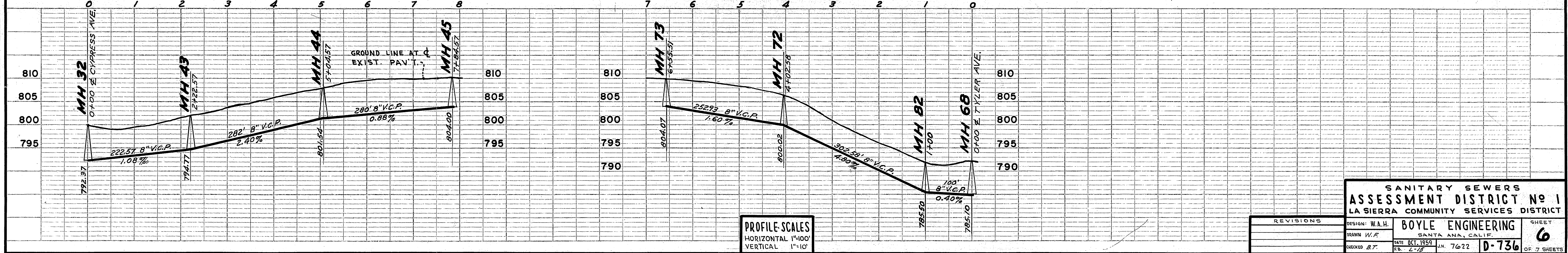
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PROFILE SCALES
HORIZONTAL 1"=100'
VERTICAL 1"=10'



PLAN SCALE: 1"=100'

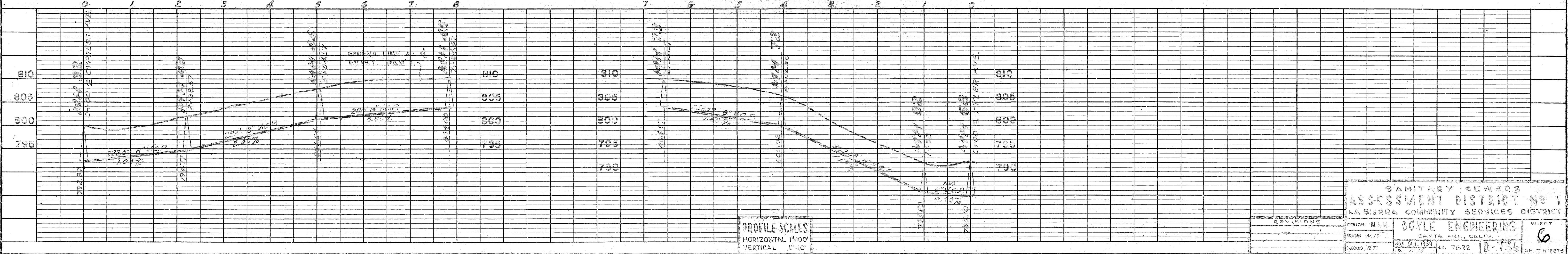
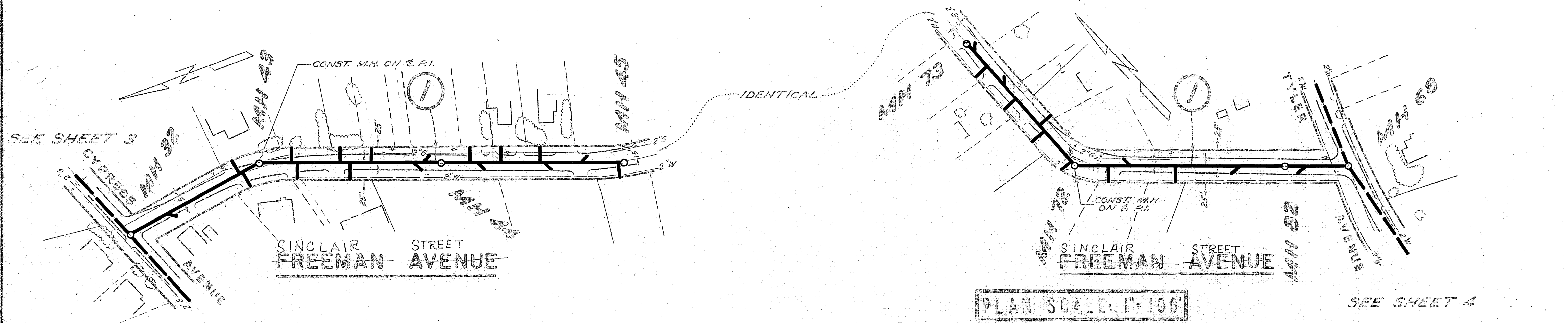
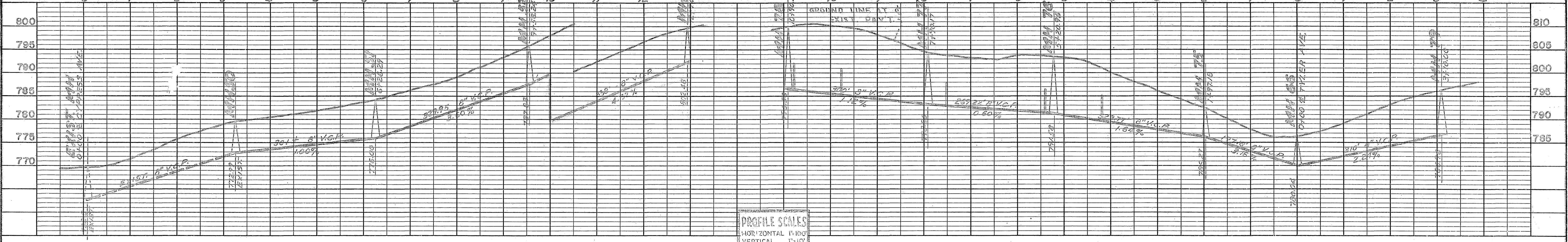
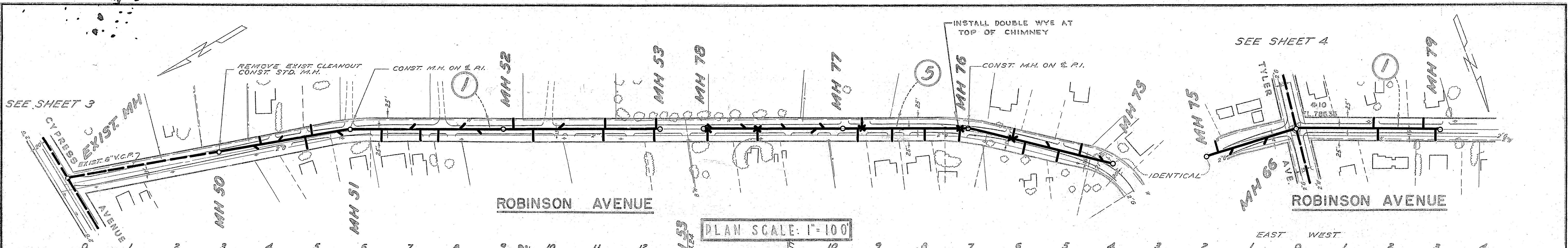


PROFILE SCALES
HORIZONTAL 1"=100'
VERTICAL 1"=10'

- ① CONSTRUCT 8" V.C.P. SEWER, STANDARD MANHOLES, 4" V.C.P. HOUSE CONNECTIONS AND WYES.
- ⑤ CONSTRUCT 8" V.C.P. SEWER, STANDARD MANHOLES, 4" V.C.P. HOUSE CONNECTIONS, WYES AND CHIMNEYS.

REVISIONS	DESIGN: W.A.H.	BOYLE ENGINEERING	SHEET 6
	DRAWN: W.F.	SANTA ANA, CALIF.	
	CHECKED: B.T.	DATE: OCT. 1959	NO. 7622
		CS. 4-12	D-736

PLAN	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	B. M.'S. NOTED	
	STRUCTURE NOTATIONS CHKD.	



- ① CONSTRUCT 8" V.C.P. SEWER, STANDARD MANHOLES, 4" V.C.P. HOUSE CONNECTIONS AND WYES.
- ⑤ CONSTRUCT 8" V.C.P. SEWER, STANDARD MANHOLES, 4" V.C.P. HOUSE CONNECTIONS, WYES AND CHIMNEYS.

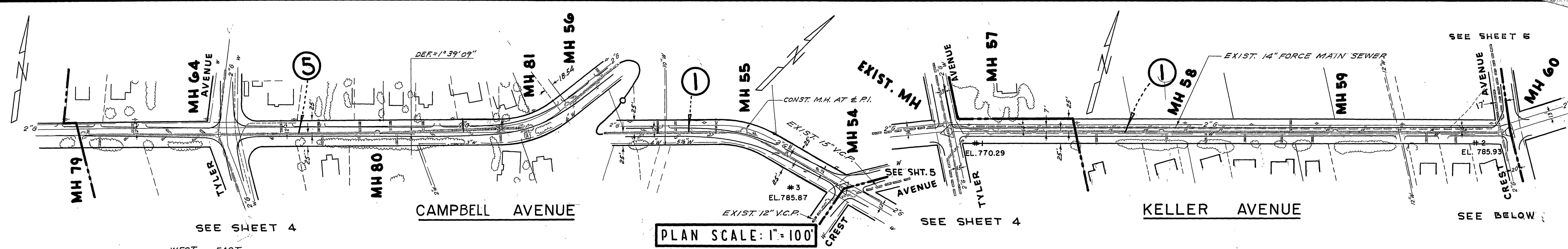
PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	B. M.'S. NOTED	
	STRUCTURE NOTATIONS CHKD.	

SANITARY SEWERS
ASSESSMENT DISTRICT NO. 1
LA SIERRA COMMUNITY SERVICES DISTRICT

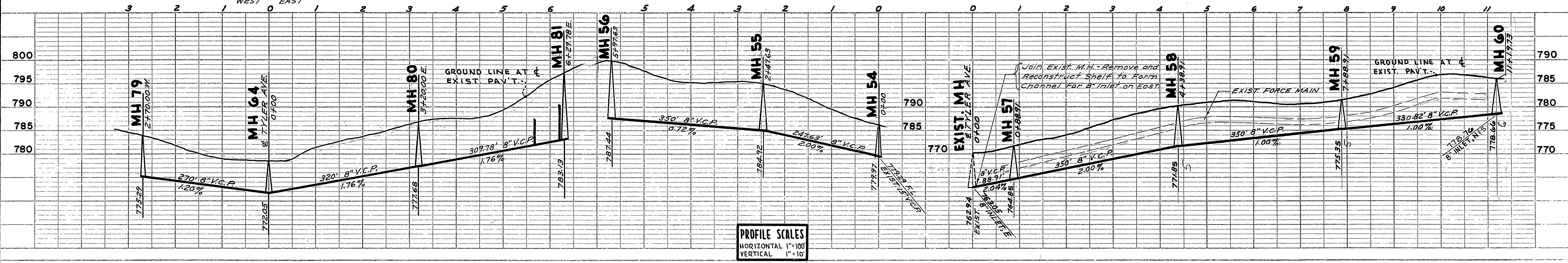
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DRAWN: W.F.	SANTA ANA, CALIF.	6
CHECKED: D.T.	DATE: OCT. 1951	NO. 7622
	BY: 7-72	OF 7 SHEETS

DATE: _____
 BY: _____
 SURVEYED: _____
 PLAN: _____
 NOTE BOOK: _____
 PHOTOGRAPH CHECKED: _____
 ET. OF WAY CHECKED: _____
 NO. _____

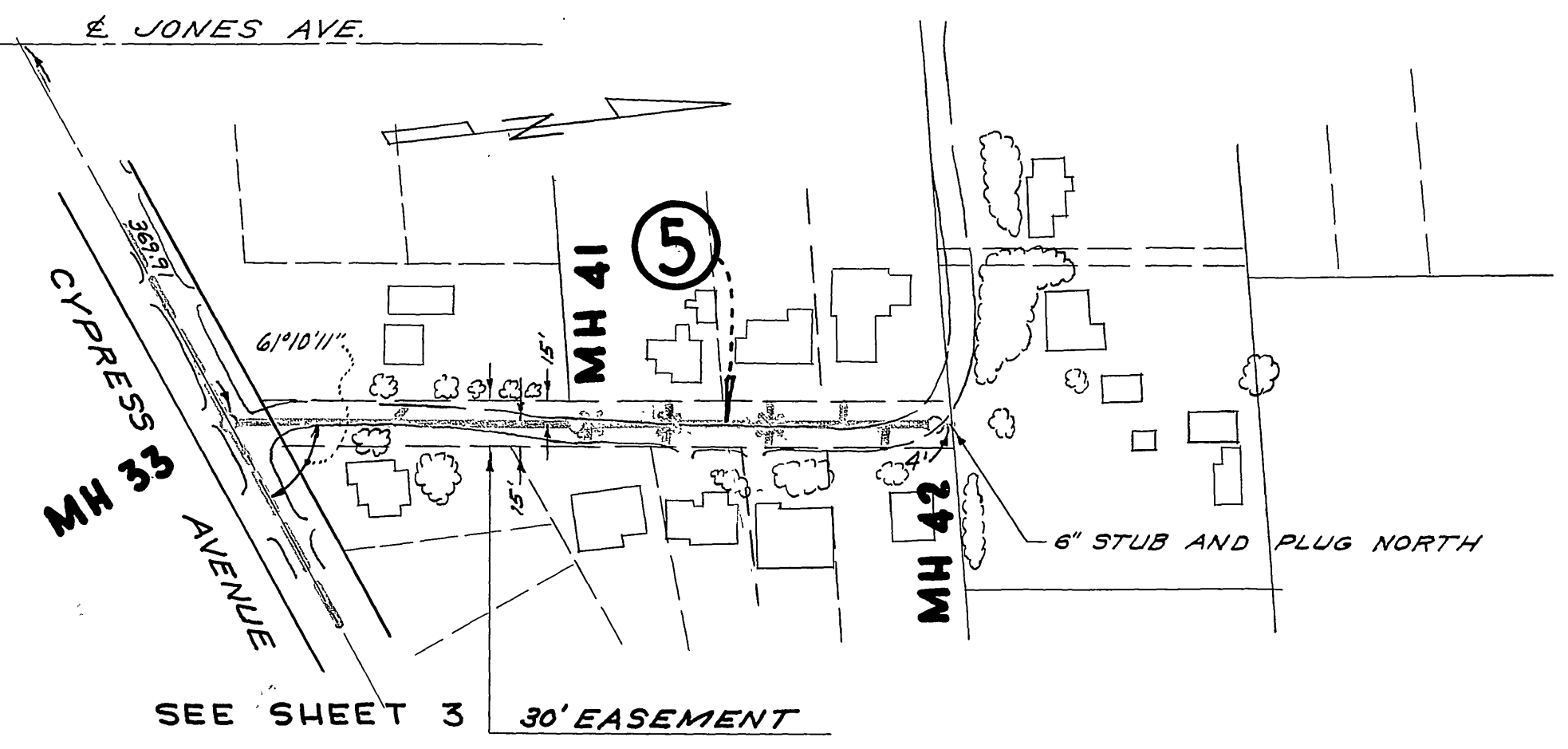
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 BY: _____
 SURVEYED: _____
 PROFILE: _____
 NOTE BOOK: _____
 CHANGES CHECKED: _____
 B. P.E. NOTED: _____
 STRUCTURE NOTATIONS CHECKED: _____
 NO. _____



PLAN SCALE: 1" = 100'

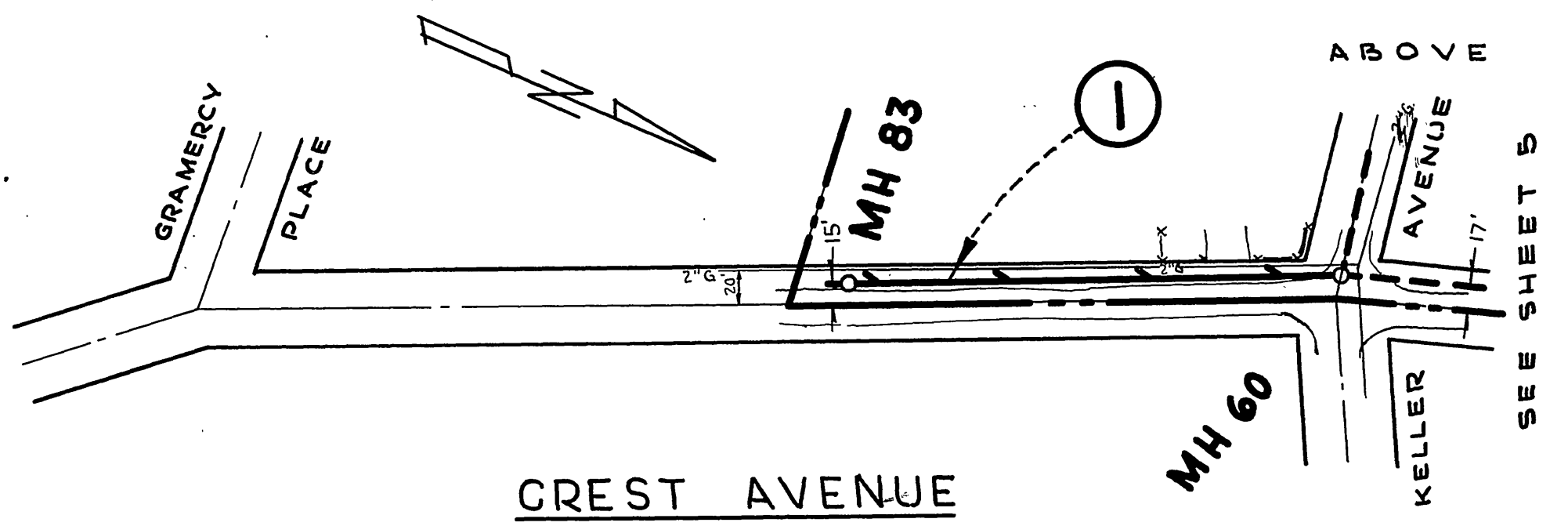


PROFILE SCALES
 HORIZONTAL 1" = 100'
 VERTICAL 1" = 10'

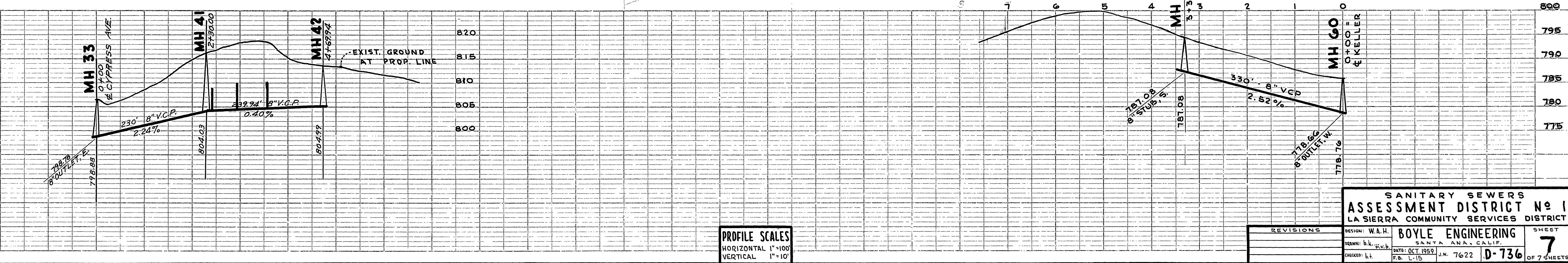


SEE SHEET 3 30' EASEMENT

- ① CONSTRUCT 8" VCP SEWER, STANDARD MANHOLES, 4" VCP HOUSE CONNECTIONS AND WYES.
- ⑤ CONSTRUCT 8" VCP SEWER STANDARD MANHOLES, 4" VCP HOUSE CONNECTIONS, WYES AND CHIMNEYS.



PLAN SCALE: 1" = 100'



PROFILE SCALES
 HORIZONTAL 1" = 100'
 VERTICAL 1" = 10'

SANITARY SEWERS
 ASSESSMENT DISTRICT No. 1
 LA SIERRA COMMUNITY SERVICES DISTRICT

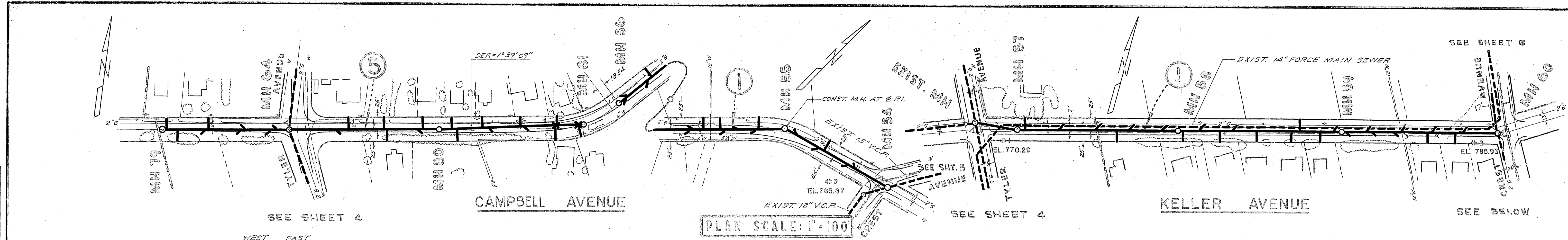
DESIGN: W.A.H.
 DRAWN: B.K.V.B.
 CHECKED: B.L.

BOYLE ENGINEERING
 SANTA ANA, CALIF.

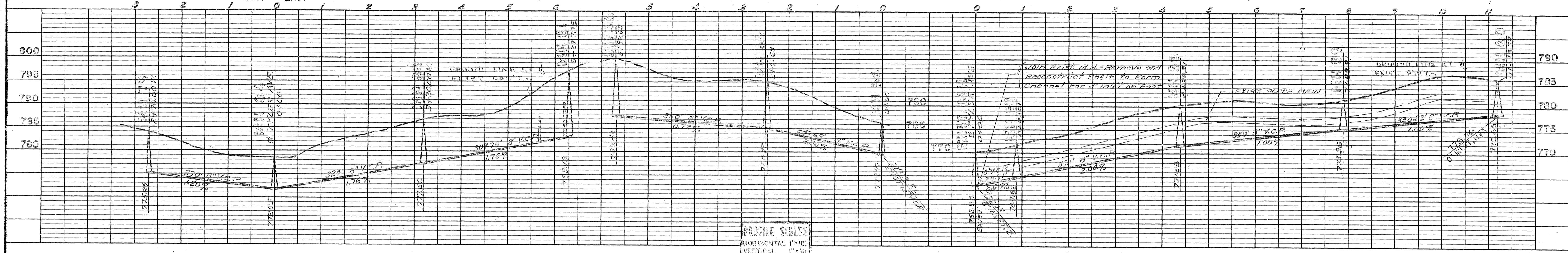
DATE: OCT. 1959
 J.N. 7622
 F.B. L-15

SHEET 7 OF 7 SHEETS
 D-736

PLAN SURVEYED BY DATE
 PLOTTED BY
 NOTE BOOK NO. CHECKED BY
 RT. OF WAY CHECKED BY

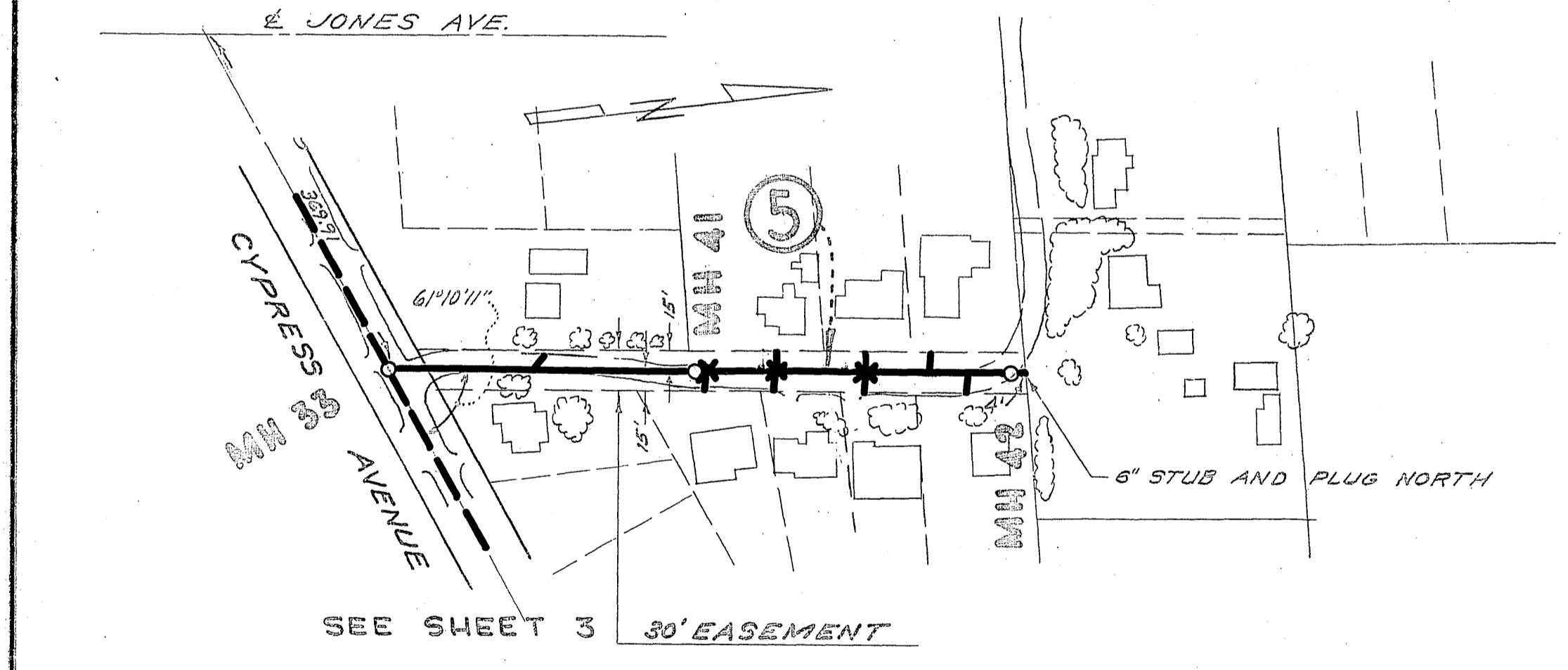


PLAN SCALE: 1"=100'



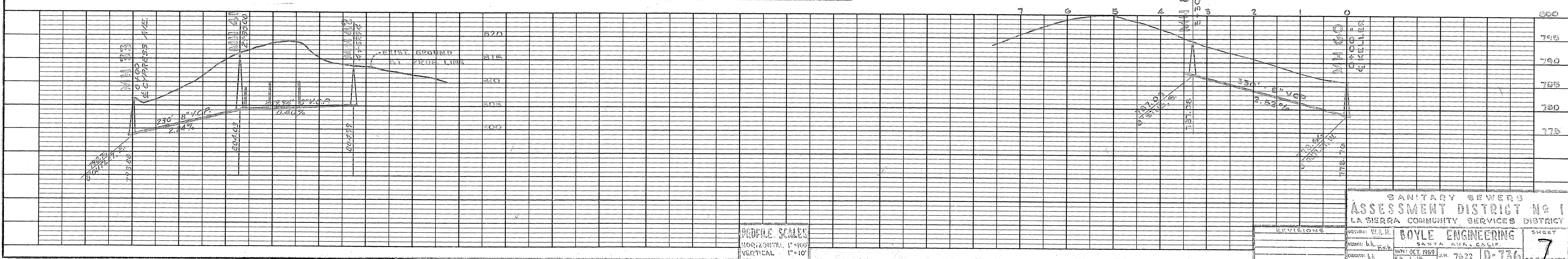
PROFILE SCALES
 HORIZONTAL 1"=100'
 VERTICAL 1"=10'

PROFILE SURVEYED BY DATE
 NOTE BOOK NO. CHECKED BY
 GRADES CHECKED BY
 STRUCTURE NOTATIONS CHKD BY



- ① CONSTRUCT 8" VCP SEWER, STANDARD MANHOLES, 4" VCP HOUSE CONNECTIONS AND WYES.
- ⑤ CONSTRUCT 8" VCP SEWER, STANDARD MANHOLES, 4" VCP HOUSE CONNECTIONS, WYES AND CHIMNEYS.

PLAN SCALE: 1"=100'



PROFILE SCALES
 HORIZONTAL 1"=100'
 VERTICAL 1"=10'

SANITARY SEWERS
 ASSESSMENT DISTRICT NO. 1
 LA SIERRA COMMUNITY SERVICES DISTRICT

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 SANTA ANA, CALIF.

DATE: OCT 1959
 SHEET 7 OF 7 SHEETS