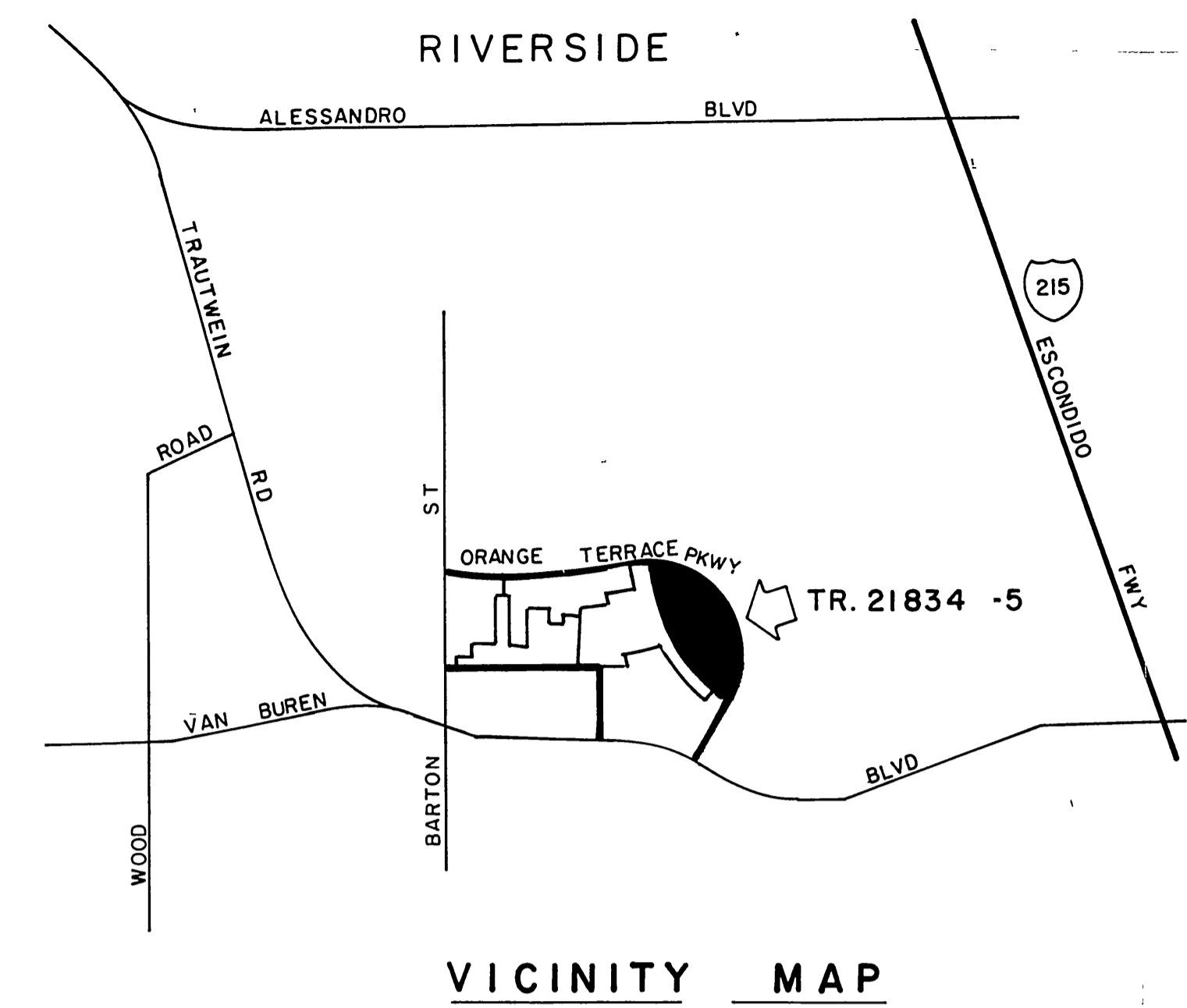
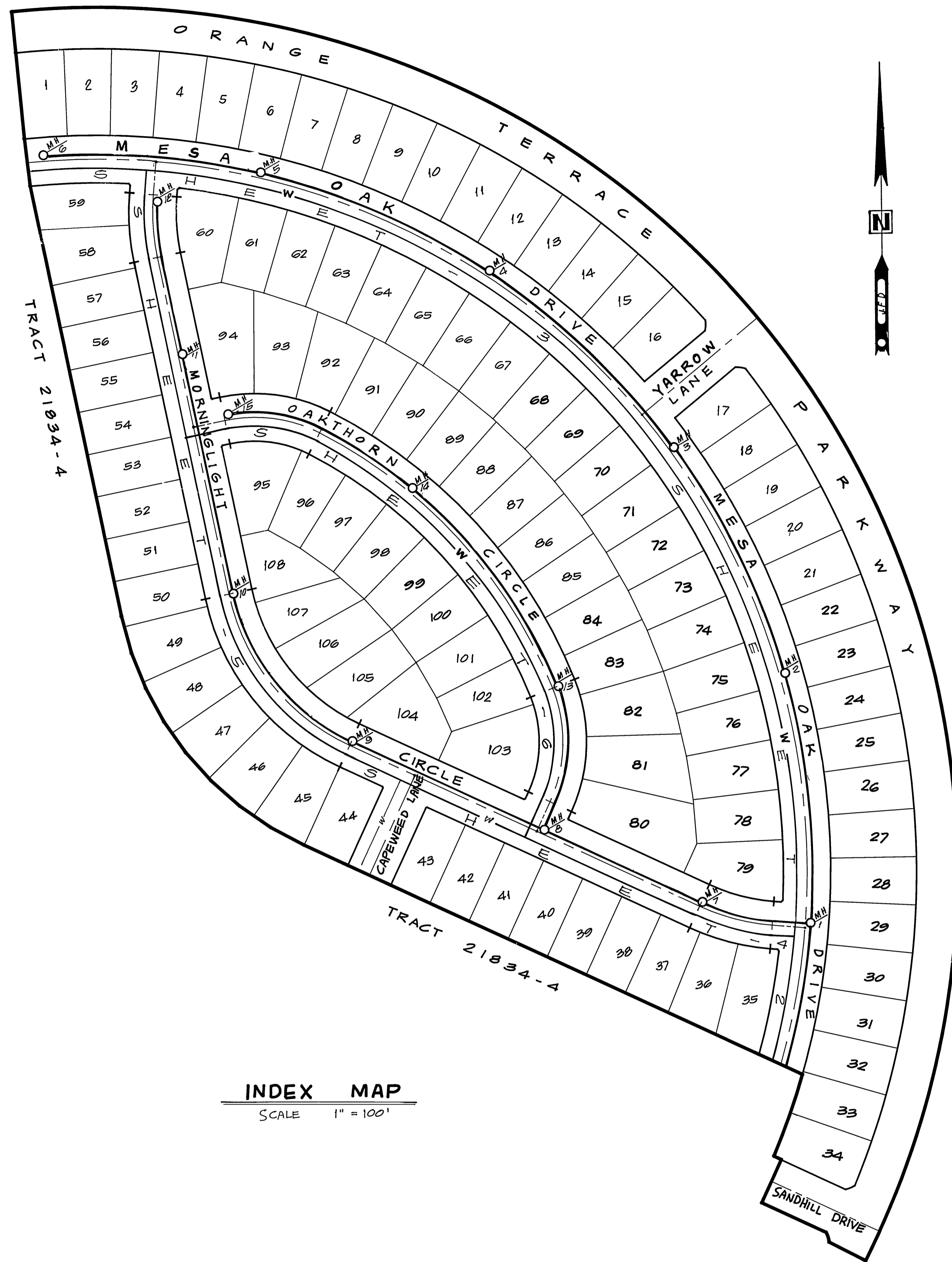


GENERAL NOTES

- 1 The private engineer signing these plans is responsible for the accuracy and acceptability of the work hereon. In the event of discrepancies arising during construction the private engineer signing the plans shall be responsible for determining an acceptable solution and revising the plans for approval by the city.
- 2 It shall be the responsibility of the contractor to clear the right-of-way in accordance with the provisions of law as it affects each utility including irrigation lines and appurtenances and at no cost to the city.
- 3 Construction shall be in accordance with the City of Riverside department of public works, standard drawings, standard drawing No 10 and the standard specifications for public works construction, current edition.
- 4 Location of laterals to be determined in the field at the direction of the owner. Avoid conflict with proposed and/or existing facilities.
- 5 Contractor is to verify existing sewer elevation prior to construction.
- 6 The sewer contractor shall adjust manholes to final grade after paving is completed.
- 7 No finished floor elevation shall be less than 4' above the sewer flow line at the point of connection without having a proper backwater valve installed in the lateral.
- 8 A plug shall be installed and will remain in place where the new sewer connects with the existing sewer until the new sewer is accepted by the City of Riverside.
- 9 All manholes to be Riverside City Std No 500.
- 10 All flagged elevations shall be staked in the field by THE PRIVATE ENGINEER.
- 11 The contractor shall call in a location request to UNDERGROUND SERVICE ALERT (USA), Phone No 1-800-422-4133, two working days before digging. No construction permit will be issued by the Public Works Department involving excavation for underground facilities unless the applicant has been provided an Inquiry Identification Number by USA.
- 12 The developer shall be responsible for preserving or re-establishing and referencing survey monuments destroyed, disturbed or buried as a result of construction shown hereon.



VICINITY MAP
N T S

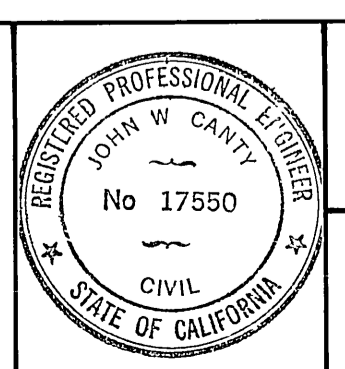
CONSTRUCTION NOTES :

- 1 CONSTRUCT MANHOLES PER CITY OF RIVERSIDE STANDARD DRAWING NO. 500
- 2 CONSTRUCT 8" V.C.P SEWER MAIN.
- 3 CONSTRUCT 4" V.C.P LATERAL TO PROPERTY LINE, PER STANDARD DRAWING NO 562

INDEX MAP
SCALE 1" = 100'

Underground Service Alert
Call TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF
John W. Canty
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE 6-30-89 DATE 4/1/87

REVIEWED BY
WESTERN MUNICIPAL WATER DISTRICT
J. W. Ham 2/23/88

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) 896-0844 (714) 825-1082 (619) 346-9881

BENCH MARK V&B 10-44 ELEV 1700.670
BRASS DISK FLUSH & MARKED V&B 10-64, 0.6 MI E ON VAN BUREN BLVD FROM E INT OF VAN BUREN & WOOD RD
205' N OF VAN BUREN @ THE N.E. SIDE OF GRANITE BOULDERS ON TOP OF 3' X 1.5' X 1.8' BOULDER

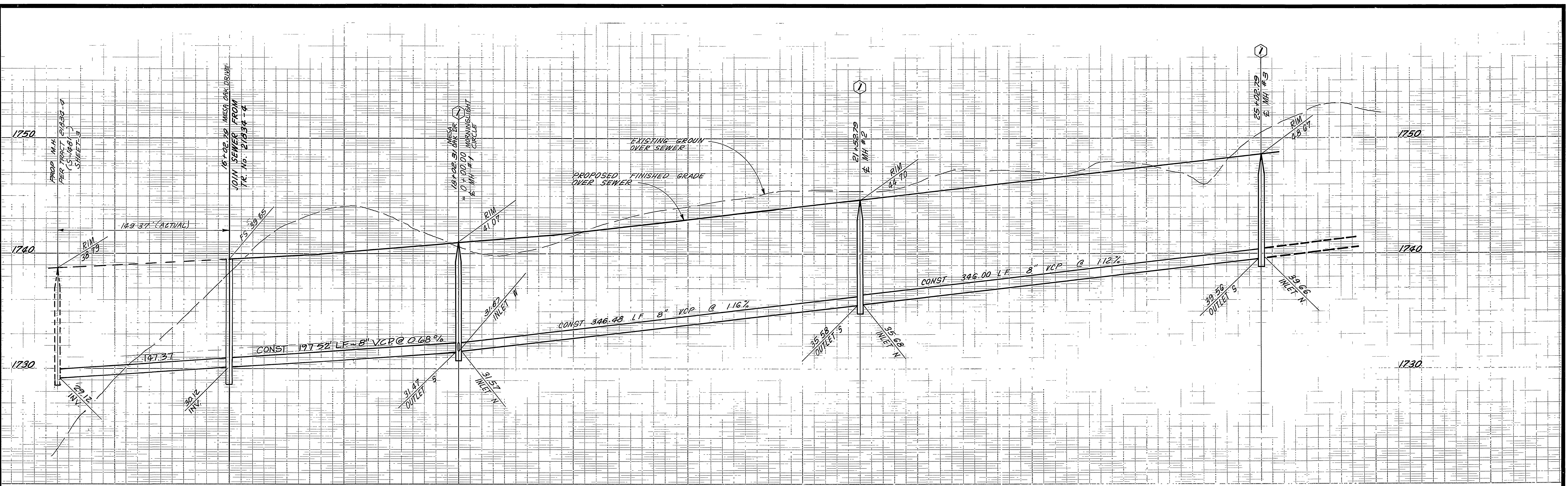
DATE FEB. 1987

MARK	REVISIONS	APPR	DATE
DESIGNED BY	L.E.J.	DRAWN BY	A.L.L.
CHECKED BY	J.C.		

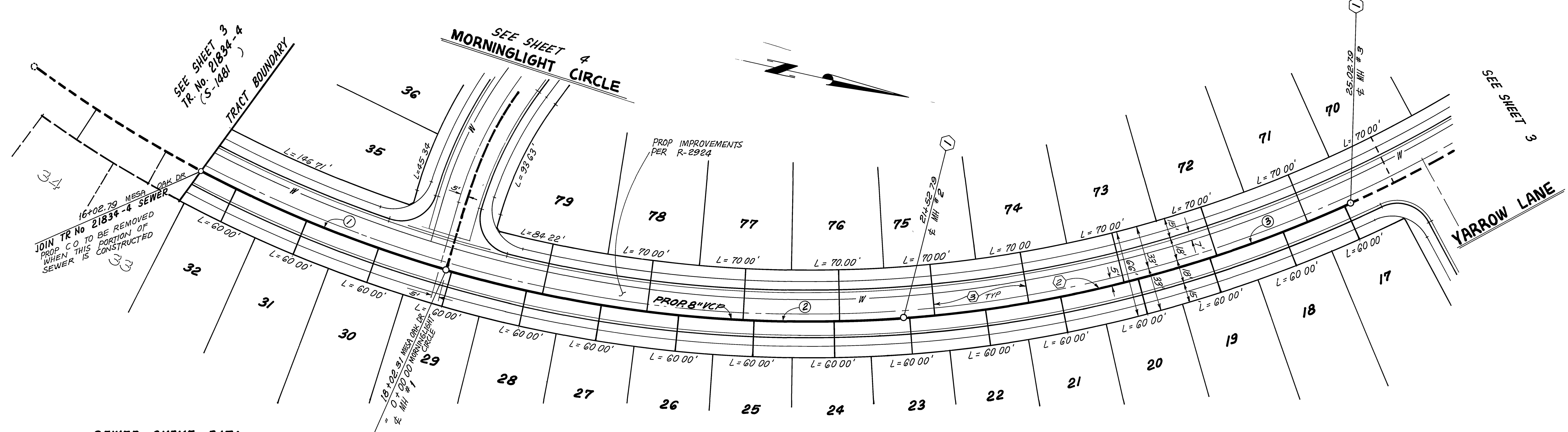
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER			<i>Larry Bed</i>
PARK DEPARTMENT			DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION			
CHIEF P.W. ENGR	<i>W.B. 3.2</i>	DATE	3/7/88

INDEXED 3-28-88 4H	
SEWER PLAN & PROFILE	PROJECT NO
TRACT 21834-5	S-1483
TITLE SHEET	SHEET 1 OF 6
HORIZ SCALE 1"	VERT SCALE 1"
FILE NO 86-9643	

FRED



16 17 18 19 20 21 22 23 24 25 26



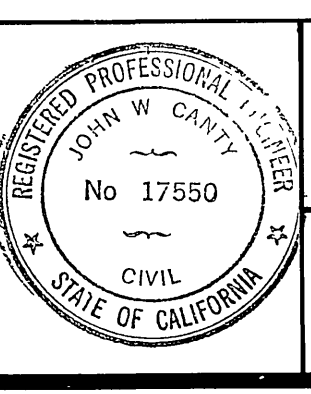
SEWER CURVE DATA

No.	Δ	R	L	T
①	11°29'20"	995.00'	199.52'	100.10'
②	20°10'55"	995.00'	350.48'	177.07'
③	20°09'15"	995.00'	350.00'	176.83'

- CONSTRUCTION NOTES**
- ① CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD DWG NO 500
 - ② CONSTRUCT 8" VCP SEWER MAIN.
 - ③ CONSTRUCT 4" VCP LATERAL TO PROPERTY LINE, PER STD. DWG. NO. 562

Underground Service Alert
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1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF
John W. Canty
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE 6-30-89 DATE 4/1/87
APPROVED BY

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
BENCH MARK Y.R. 10-64 ELEV 1700.670
BRASS DISK FLUSH & MARKED V.B.10-64, 0.6 MI. E. ON VAN BUREN BLVD FROM E. INT. OF VAN BUREN & WOOD RD 205' N. OF VAN BUREN & THE N.E. SIDE OF GRANITE BOULDERS ON TOP OF 3' X 15' X 18' BOULDER
DATE MAR '87

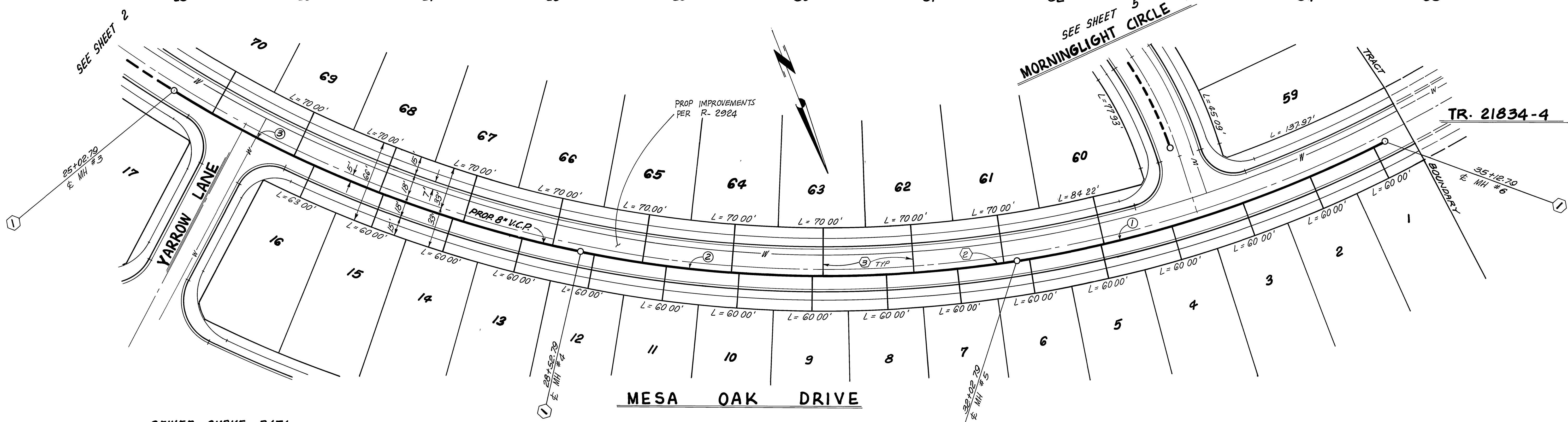
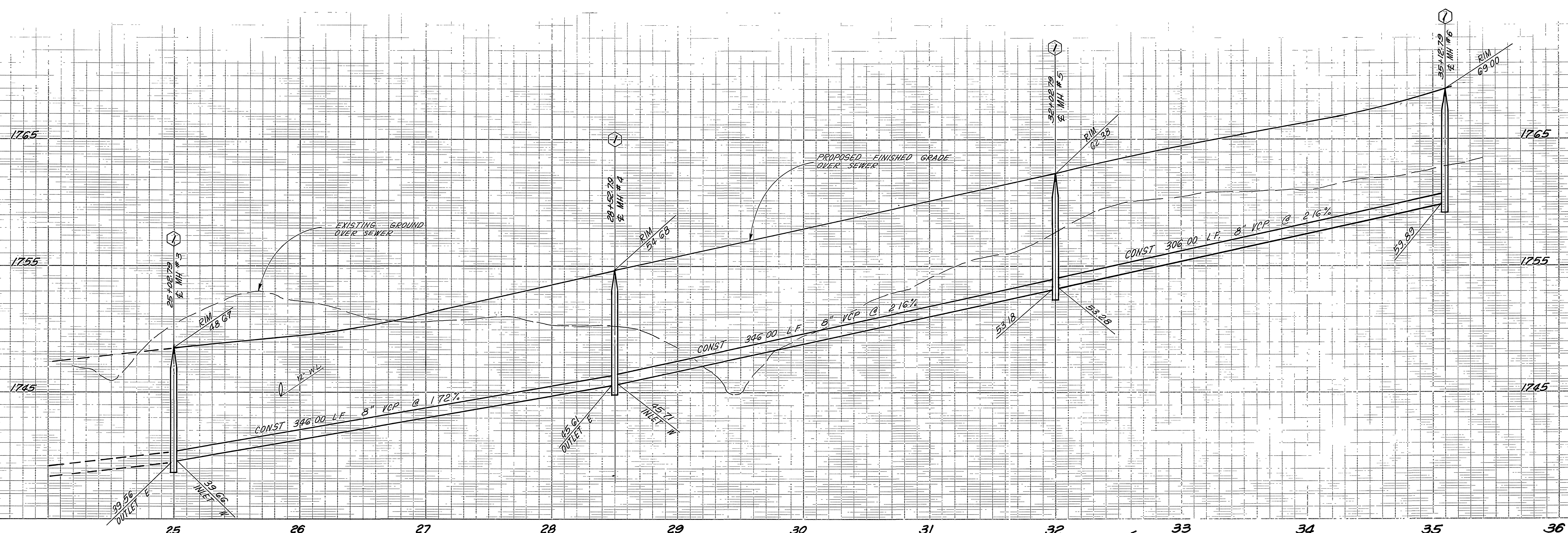
MARK	REVISIONS	APPR	DATE

DESIGNED BY LEV DRAWN BY NICK CHECKED BY JC

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY [Signature] BY DATE 3/7/89
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CHIEF P.W. ENGR [Signature]

TRACT No. 21834-5
SEWER PLAN & PROFILE
MESA OAK DRIVE
HORIZ SCALE 1" = 40' VERT SCALE 1" = 4'

INDEXED 3-28-88 LTH
PROJECT NO. S-1483
SHEET 2 OF 6
FILE NO. 9643



SEWER CURVE DATA

No.	Δ	R	L	T
①	17°51'03"	995.00'	310.00'	156.26'
②	20°09'15"	995.00'	350.00'	176.83'
③	20°09'15"	995.00'	350.00'	176.83'

- CONSTRUCTION NOTES**
- ① CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD. DWG NO 500
 - ② CONSTRUCT 8" VCP SEWER MAIN
 - ③ CONSTRUCT 4" VCP LATERAL TO PROP LINE, PER STD DWG NO. 562

Underground Service Alert
Call TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

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CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DESIGN, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

PREPARED UNDER THE DIRECTION OF
John W. Canty
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE 6-30-89 DATE 4/1/87

APPROVED BY

DATE MAR '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) 686-0944 (714) 825-1082 (619) 348-5691

BENCH MARK Y.B. 10-64 ELEV 1700.670
BRASS DISK FLUSH & MARKED V.B. 10-64, 0.6 MI E. ON VAN BUREN BLVD FROM E. INT. OF VAN BUREN & WOOD RD
205' N. OF VAN BUREN # THE N.E. SIDE OF GRANITE BOULDERS ON TOP OF 3' X 15' X 18' BOULDER.

J.F.D. ASSOCIATES

MARK REVISIONS APPR DATE
DESIGNED BY LEJ DRAWN BY NICK CHECKED BY J.C.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

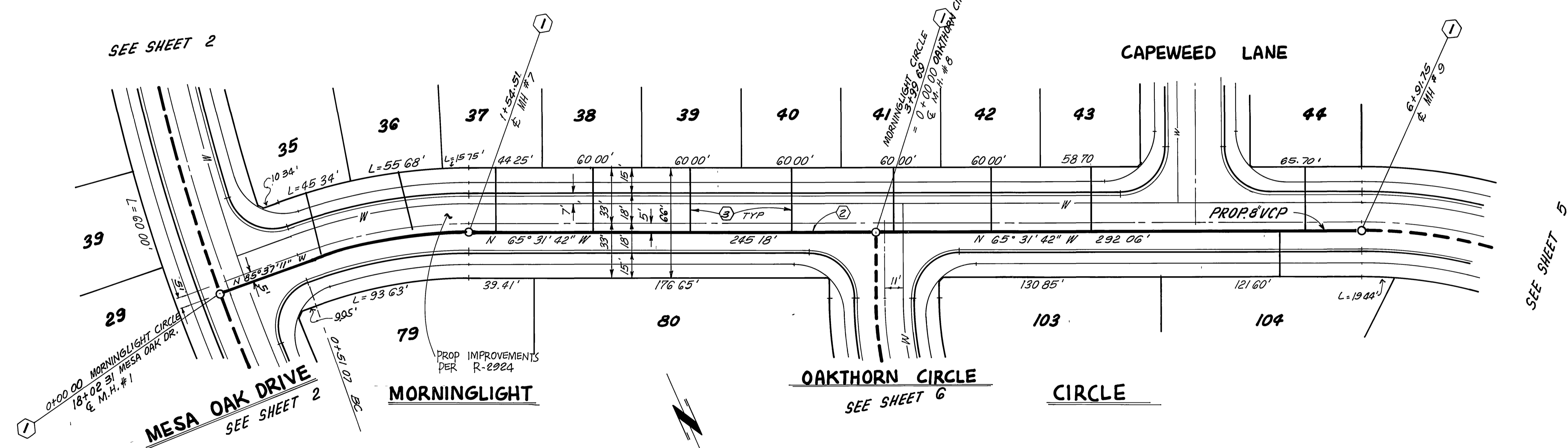
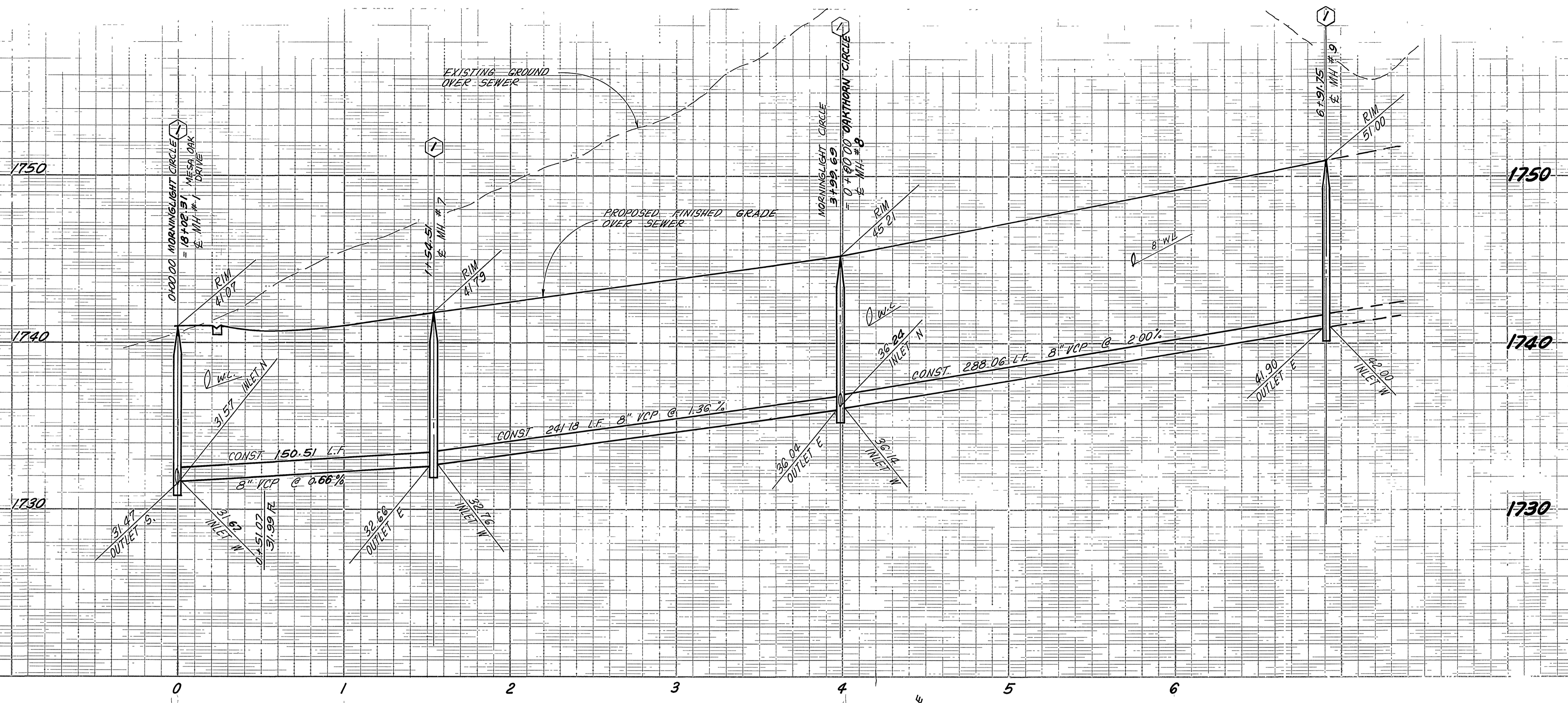
APPROVED BY _____ BY DATE _____
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CHIEF P.W. ENGR. B.2. DATE 3/7/88

TRACT No. 21834-5
SEWER PLAN & PROFILE
MESA OAK DRIVE

PROJECT NO. **S-1483**
SHEET **3** OF **6**
FILE NO. **9643**

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

INDEXED 3-28-88 411



SEWER CURVE DATA

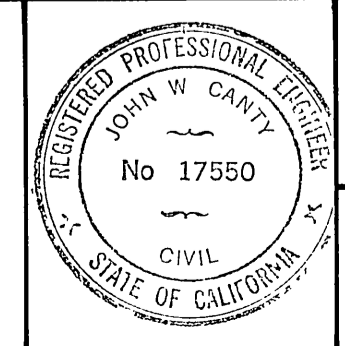
$\Delta = 20^{\circ}05'29''$
 $R = 295'$
 $L = 103.44'$
 $T = 52.26'$

CONSTRUCTION NOTES

- ① CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD DWG NO 500
- ② CONSTRUCT 8" VCP SEWER MAIN
- ③ CONSTRUCT 4" VCP LATERAL TO PROP LINE, PER STD DWG NO 562

Underground Service Alert
 Call TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF
John W. Carthy
 REGISTERED CIVIL ENGINEER NO. 17550
 EXPIRATION DATE 6-30-89 DATE 4/1/87
 APPROVED BY

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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MARK	REVISIONS	APPR.	DATE
DESIGNED BY LEV	DRAWN BY NICK	CHECKED BY JC	

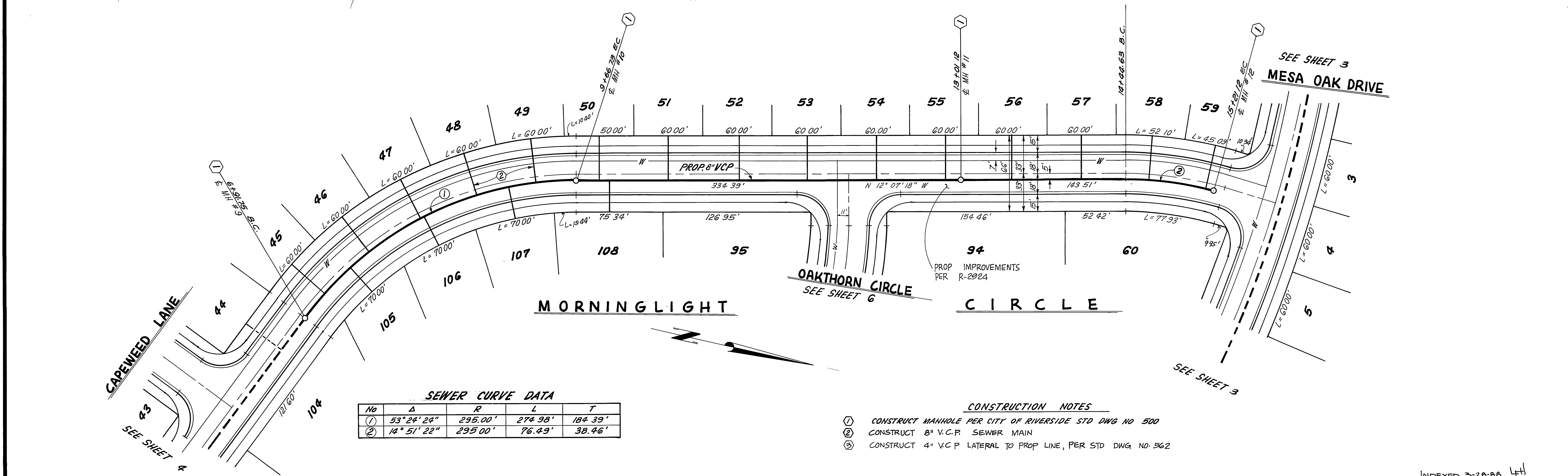
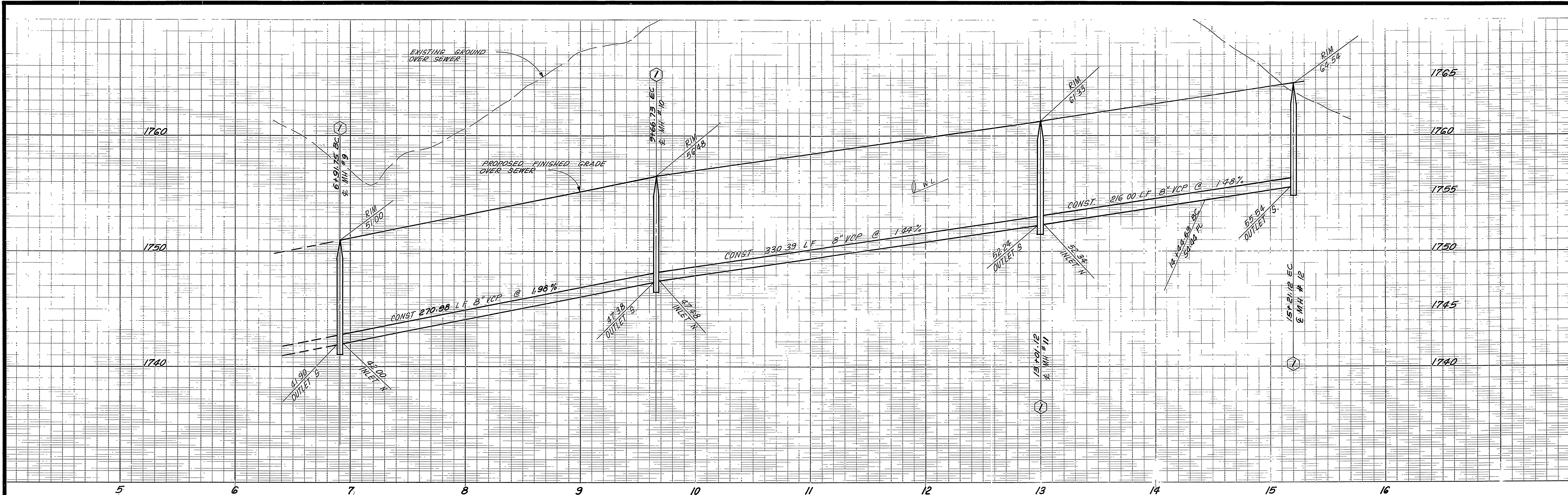
CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
PARK DEPARTMENT			<i>Benny Bell</i>
TRAFFIC DIVISION			DIRECTOR OF PUBLIC WORKS
CHIEF P.W. ENGR.	3/2	3/7/88	

INDEXED 3-28-88 4H

TRACT No. 21834-5
SEWER PLAN & PROFILE
MORNINGLIGHT CIRCLE

PROJECT NO. **S-1483**
 SHEET **4** OF **6**
 FILE NO. **3643**

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



SEWER CURVE DATA

No	Δ	R	L	T
①	53° 24' 24"	295.00'	274.98'	184.39'
②	14° 51' 22"	295.00'	76.49'	38.46'

- CONSTRUCTION NOTES**
- ① CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD DWG NO 500
 - ② CONSTRUCT 8" V.C.P. SEWER MAIN
 - ③ CONSTRUCT 4" V.C.P. LATERAL TO PROP LINE, PER STD DWG NO. 562

Underground Service Alert
Call TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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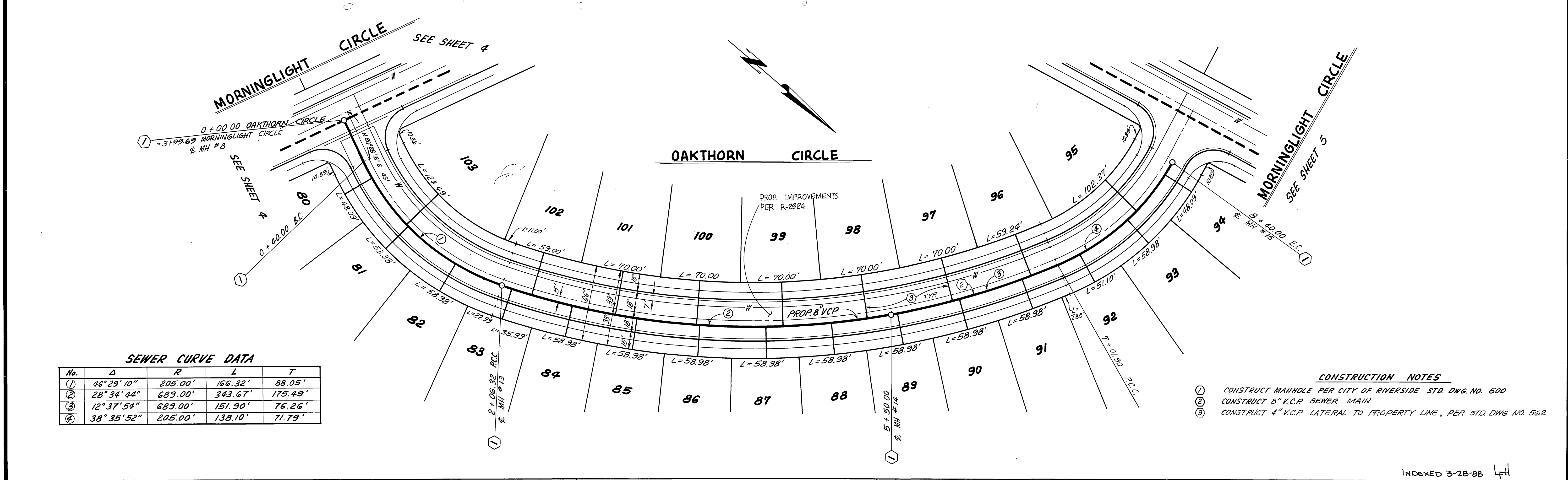
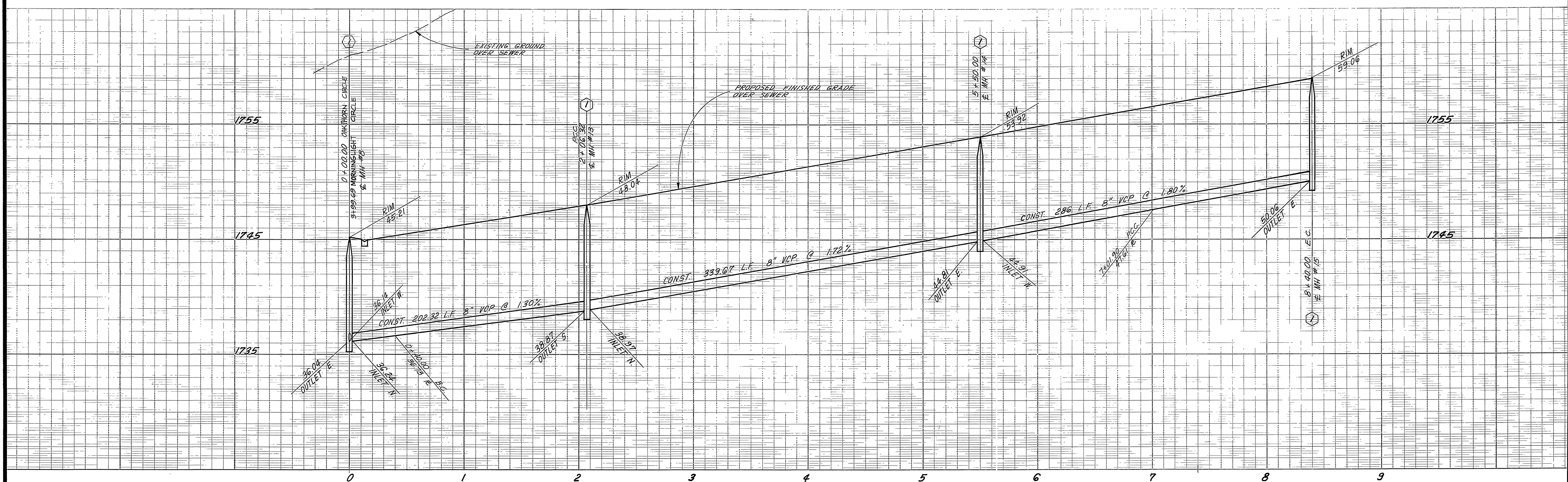
PREPARED UNDER THE DIRECTION OF
John W. Canty
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-89 DATE 4/1/87
APPROVED BY: _____
DATE: MAR '87

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 92524 PALM DESERT, CA 92260
(714) 886-0844 (714) 825-1082 (619) 348-5691
BENCH MARK: V.R. 10-64 ELEV 1700.670
BRASS DISK FLUSH & MARKED V.B.10-64, 0.6 MI. E. ON VAN BUREN BLVD FROM E. INT. OF VAN BUREN & WOOD RD
205' N. OF VAN BUREN & THE N.E. SIDE OF GRANITE BOULDERS ON TOP OF 3' X 15' X 1' BOULDER

J.F.D. ASSOCIATES
MARK REVISIONS APPR. DATE
DESIGNED BY LEJ DRAWN BY MCKX CHECKED BY JC
FREDO

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____ BY: _____ DATE: _____
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR. *W. J. 3.2*
DATE: 3/7/88

INDEXED 3-20-88 4H
TRACT No. 21834-5
SEWER PLAN & PROFILE
MORNINGLIGHT CIRCLE
PROJECT NO. **S-1483**
SHEET **5** OF **6**
FILE NO. **9643**
HORIZ. SCALE 1" = 40' VERT. SCALE 1" = 4'



SEWER CURVE DATA

No.	Δ	R	L	T
①	46° 29' 10"	205.00'	166.32'	88.05'
②	28° 34' 44"	689.00'	343.67'	175.49'
③	12° 37' 54"	689.00'	151.90'	76.26'
④	38° 35' 52"	205.00'	138.10'	71.79'

- CONSTRUCTION NOTES**
- ① CONSTRUCT MANHOLE PER CITY OF RIVERSIDE STD. DWG. NO. 500
 - ② CONSTRUCT 8" V.C.P. SEWER MAIN
 - ③ CONSTRUCT 4" V.C.P. LATERAL TO PROPERTY LINE, PER STD. DWG. NO. 562

Underground Service Alert

Call: TOLL FREE
1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG

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PREPARED UNDER THE DIRECTION OF:

John W. Canty
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE 6-30-89 DATE: 4/1/87

APPROVED BY:

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 92524 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

DATE **MAR. '87**

J.F.D.
ASSOCIATES

MARK REVISIONS APPR. DATE

DESIGNED BY LEV DRAWN BY NICK CHECKED BY JC

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature] DATE: 3/2/88

PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR

TRACT No. 21834-5
SEWER PLAN & PROFILE
OAKTHORN CIRCLE

PROJECT NO. **S-1483**

SHEET **6** OF **6**

FILE NO. **9643**

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

INDEXED 3-28-88 Lth