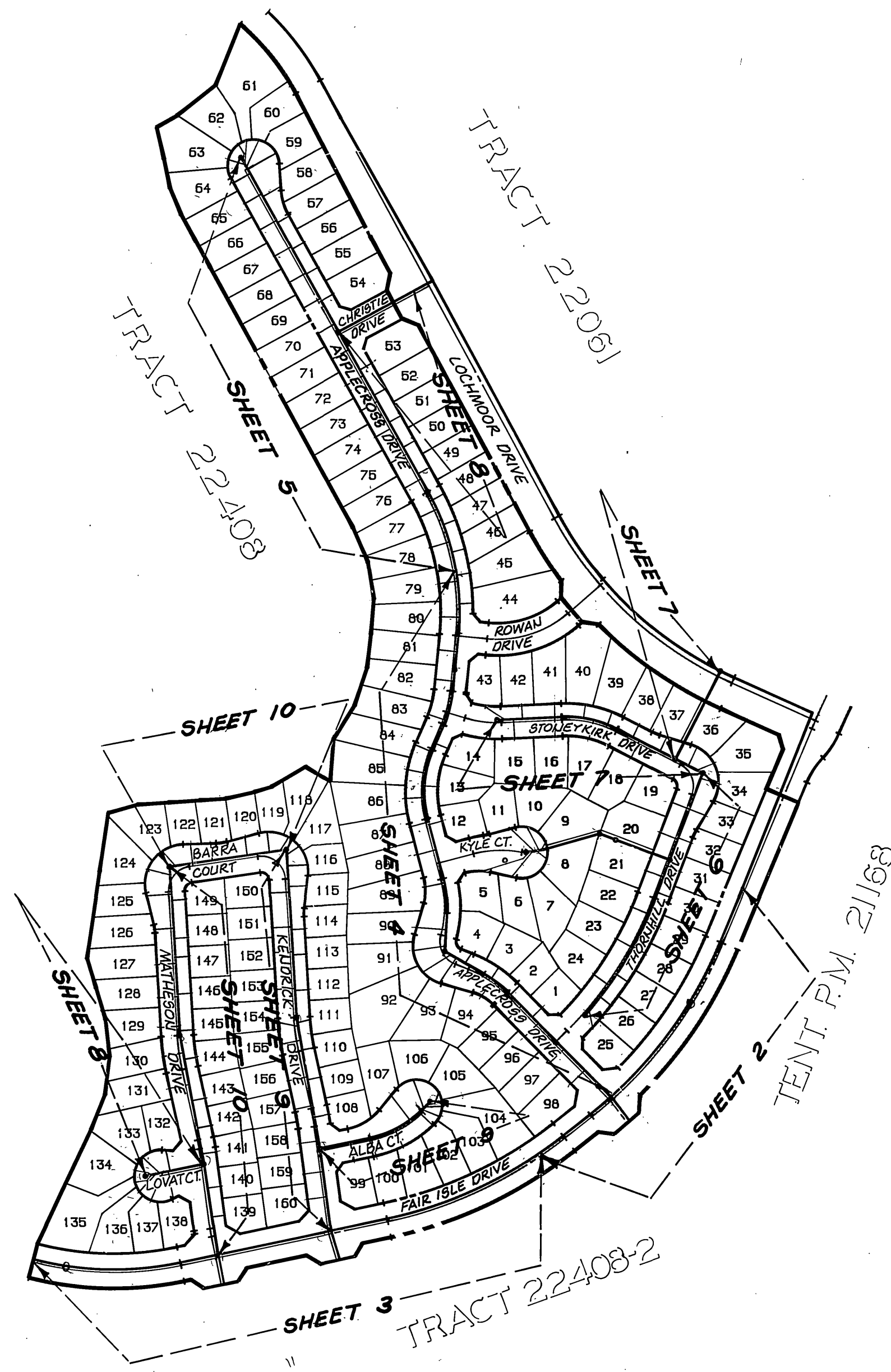
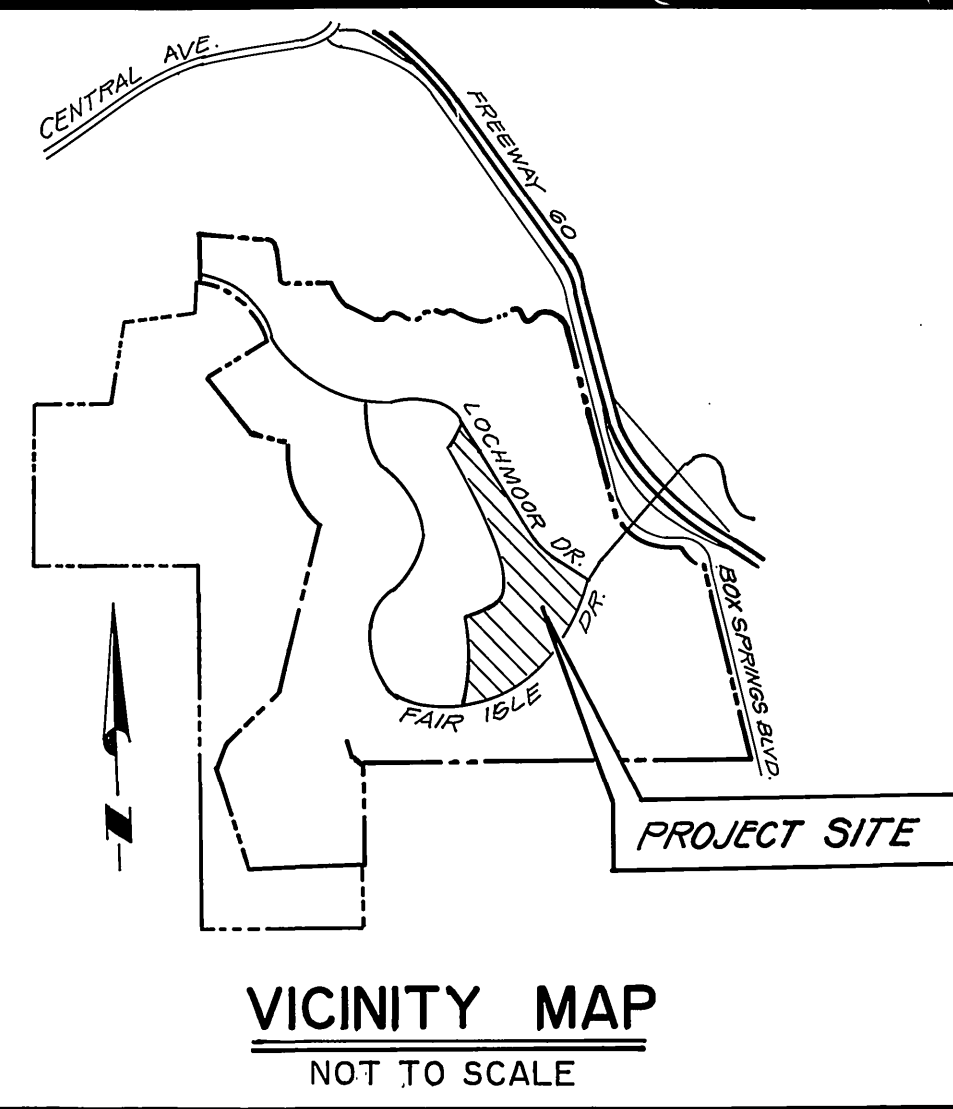


LUSK HIGHLANDER SEWER IMPROVEMENT PLANS

TRACT 22408-1
IN THE CITY OF RIVERSIDE



GENERAL NOTES

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 OR THE LUSK COMPANY.

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.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE OR THE LUSK COMPANY ARE NOT RESPONSIBLE FOR THEIR ACCURACY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.

ON ALL AREAS WITHIN PUBLIC RIGHT-OF-WAY, WHERE THE FILL IS ONE (1) FOOT OR GREATER, A LETTER WILL BE REQUIRED FROM THE SOILS ENGINEER, CERTIFYING THE COMPACTION OF THE FILL BELOW SUBGRADE, PRIOR TO ISSUANCE OF THE CONSTRUCTION PERMIT/CUT SHEETS.

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 U.S.A.

CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.

LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.

NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 4' ABOVE THE SEWER FLOW LINE AT POINT OF CONNECTION WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.

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.

THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.

IF STREET IS TO BE RAISED, LOWERED OR OVERLAID, "ADJUST MANHOLE TO GRADE".

HOLD HARMLESS INDEMNIFICATION CLAUSE

THE CONTRACTOR AGREES THAT HE SHALL 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 APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY OF RIVERSIDE, THE OWNER, AND THE PRIVATE ENGINEERS HARMLESS FOR ANY AND ALL LIABILITY; REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

EXISTING UNDERGROUND STRUCTURES

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPE STRUCTURES OR CONDUITS SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS.

NOTICE TO CONTRACTOR

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

SEWER QUANTITY ESTIMATE

No.	DESCRIPTION	QUANTITY
1.	8" VCP SEWER	7070 LF
2.	MANHOLES PER CITY STD. NO. 500	26 EACH
3.	4" VCP LATERAL PER CITY STD. NO. 562	5340 LF
4.	ADJUST MANHOLE TO GRADE	1 EACH
5.	CONSTRUCT CONCRETE SEWER ENCASUREMENT PER CITY STD. CWD-022 & 023	736 LF



PROPOSED STREET IMPROVEMENT
PER PLAN R-3073

BENCHMARK:
3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76 FEET SOUTHEAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7 FEET NORTHEAST OF THE NORTHEAST RAIL, 1.9 FEET ABOVE THE GROUND, AND ABOUT 1 FOOT HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 BRASS DISK IS BROKEN OFF F.D. ORIGINAL SHANK OF B.D. WITH P.K. NAIL DRIVEN ALONG SIDE SHANK

UNDERGROUND SERVICE ALERT
1-800-422-4133
CALL TWO WORKING DAYS BEFORE YOU DIG

CITY OF RIVERSIDE
WATER SYSTEM

APPROVED BY: *Richard L. Dierker* 10-23-89
DATE

THE KEITH COMPANIES

6295 RIVER CREST DRIVE
SUITE K
RIVERSIDE, CA 92507
(714) 653-0234

APPROVED BY: *Brian L. Jensen*
BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534 DATE

MARK REVISIONS APPR. DATE
DESIGNED BY: *RAM* DRAWN BY: *RAM* CHECKED BY: *BBB*

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: *Brian L. Jensen* DATE: 10-31-89
PRINCIPAL ENGINEER
APPROVED BY: *Barry Best* DATE: 12/22/89
PUBLIC WORKS DIRECTOR
CHIEF P. W. ENGINEER DATE: 12/21/89

SEWER IMPROVEMENT PLANS
TRACT 22408-1
TITLE SHEET

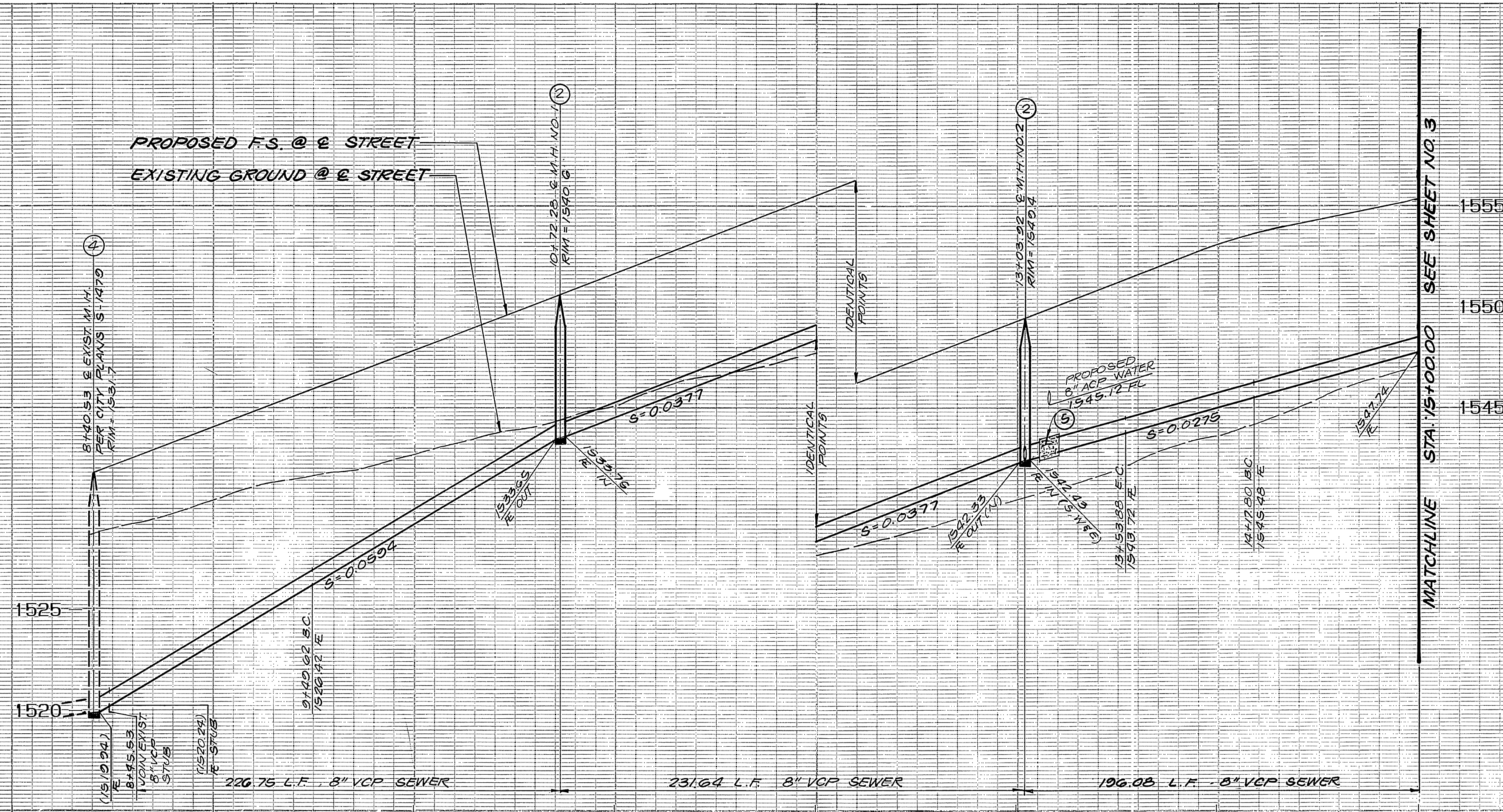
ACCOUNT NO.

S-1553

SHEET 1 OF 10

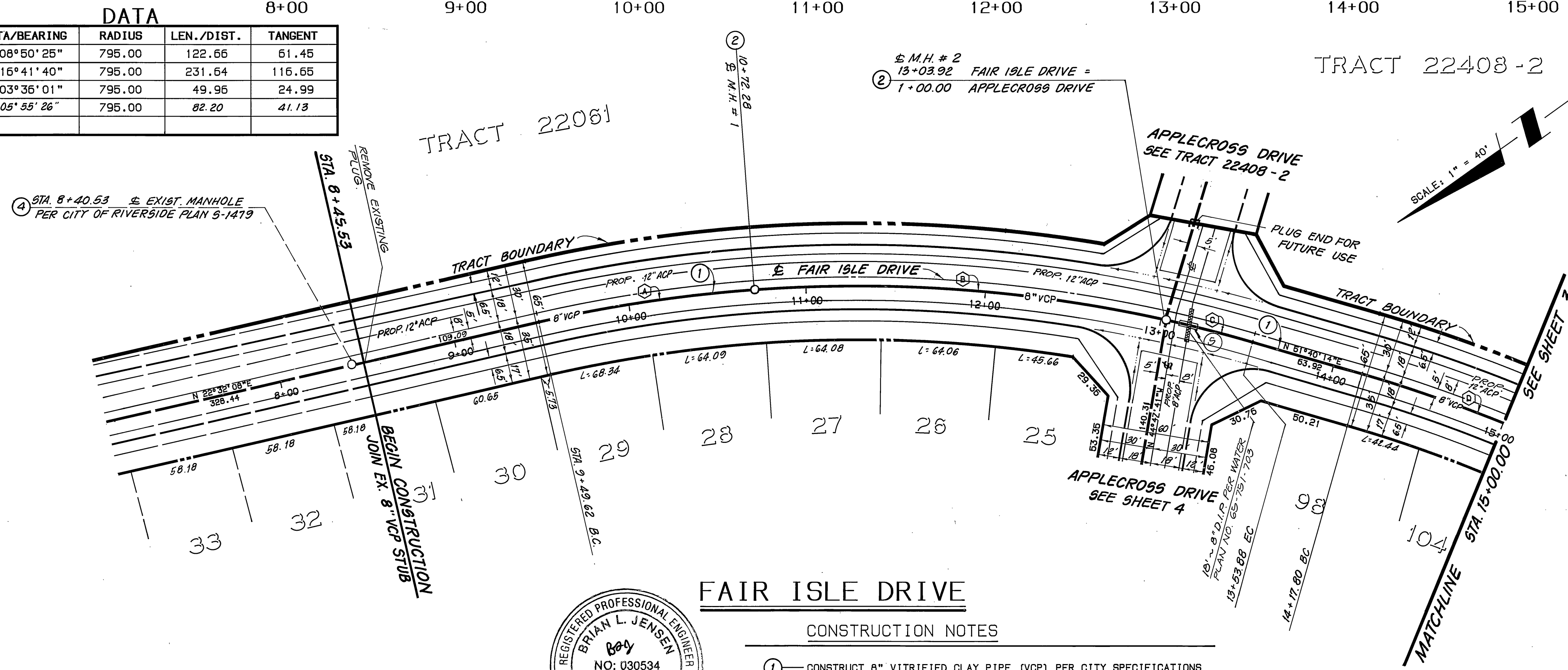
HORIZ. SCALE: AS SHOWN VERT. SCALE: AS SHOWN

INDEXED 5-16-90 4H



PROFILE SCALES
 HORIZ.: 1"=40'
 VERT.: 1"=4'

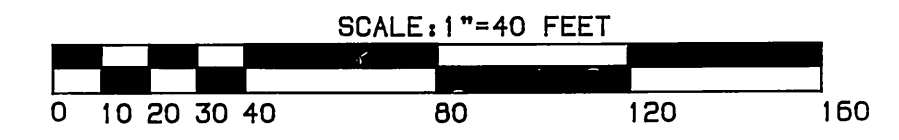
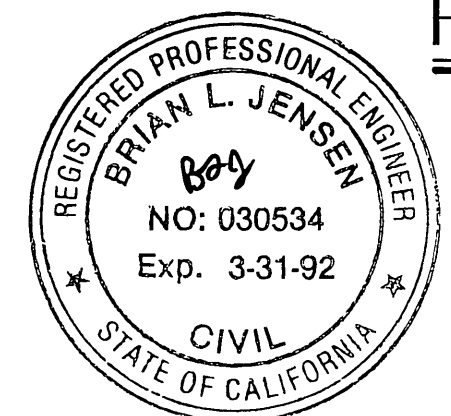
DATA			
DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
08°50'25"	795.00	122.66	61.45
16°41'40"	795.00	231.64	116.65
03°36'01"	795.00	49.95	24.99
05°55'26"	795.00	82.20	41.13



FAIR ISLE DRIVE

CONSTRUCTION NOTES

- 1 - CONSTRUCT 8" VITRIFIED CLAY PIPE (VCP) PER CITY SPECIFICATIONS
- 2 - CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY STD. 500
- 4 - ADJUST MANHOLES TO GRADE
- 5 - CONSTRUCT CONCRETE SEWER ENCASUREMENT PER CITY STD. CWD-022 & 023



BENCHMARK:
 3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76 FEET SOUTHEAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7 FEET NORTHEAST OF THE NORTHEAST RAIL, 1.9 FEET ABOVE THE GROUND, AND ABOUT 1 FOOT HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 BRASS DISK IS BROKEN OFF F.D. ORIGINAL SHANK OF B.D. WITH P.K. NAIL DRIVEN ALONG SIDE SHANK

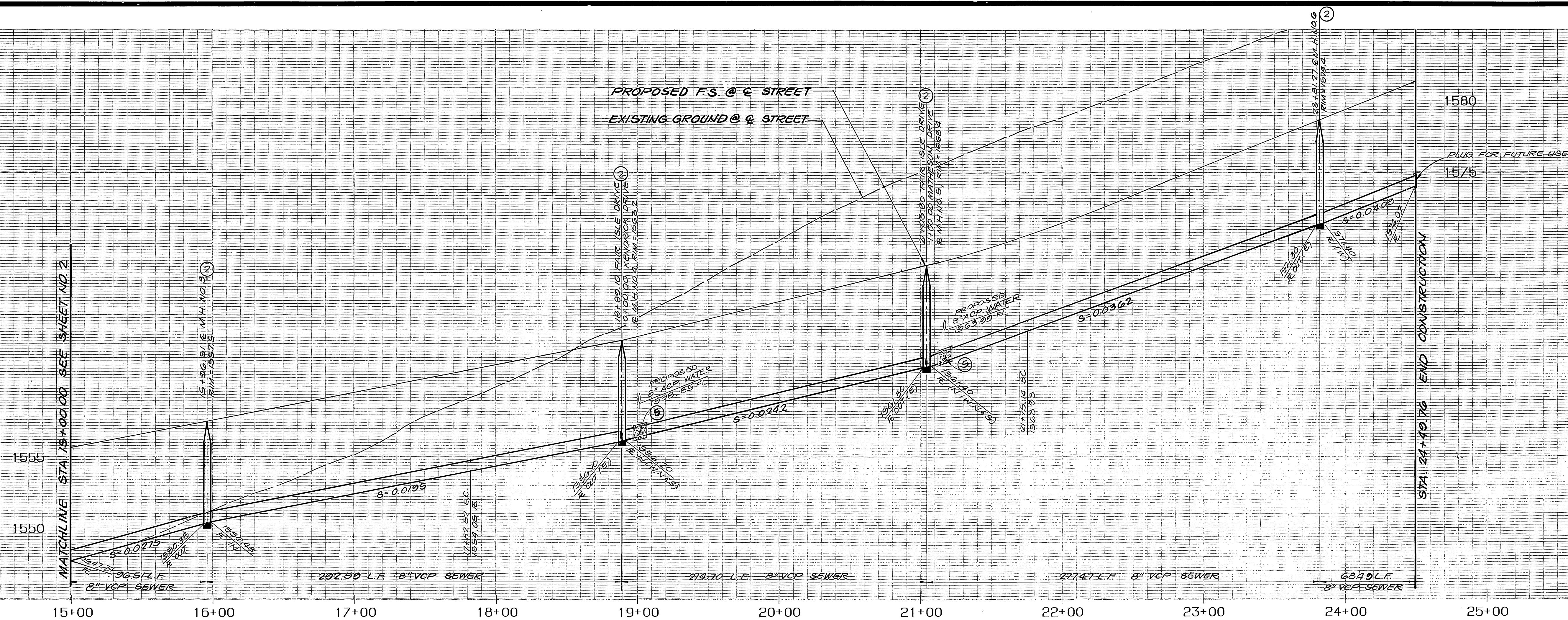
CITY OF RIVERSIDE
 WATER SYSTEM
 APPROVED BY: *Richard J. Dardick* 10-23-89 DATE

THE KEITH COMPANIES
 6295 RIVER CREST DRIVE
 SUITE K
 RIVERSIDE, CA 92507
 (714) 653-0234
 APPROVED BY: *Brian L. Jensen* DATE
 BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534

MARK REVISIONS APPR. DATE
 DESIGNED BY: *UB* DRAWN BY: *RAM* CHECKED BY: *BBB* DATE: *12/21/89*

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Barry Paul* DATE: *12/21/89*
 PRINCIPAL ENGINEER
 CHIEF P.W. ENGINEER
 DATE: *12/22/89*

ACCOUNT NO.
 SEWER IMPROVEMENT PLANS
 TRACT 22408-1
 FAIR ISLE DRIVE
 S-1553
 SHEET 2 OF 10
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'



PROFILE SCALES
 HORIZ.: 1"=40'
 VERT.: 1"=4'

DATA

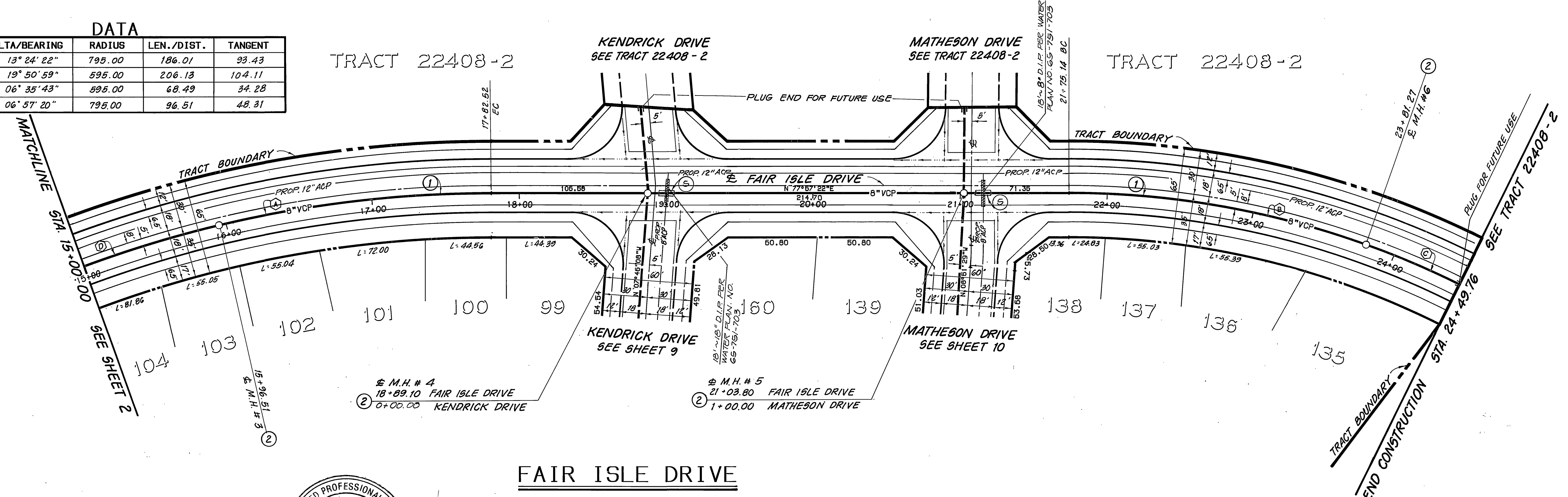
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A 13° 24' 22"	795.00	186.01	93.43
B 19° 50' 59"	595.00	206.13	104.11
C 06° 35' 43"	595.00	68.49	34.28
D 06° 57' 20"	795.00	96.51	48.31

TRACT 22408-2

KENDRICK DRIVE
 SEE TRACT 22408-2

MATHESON DRIVE
 SEE TRACT 22408-2

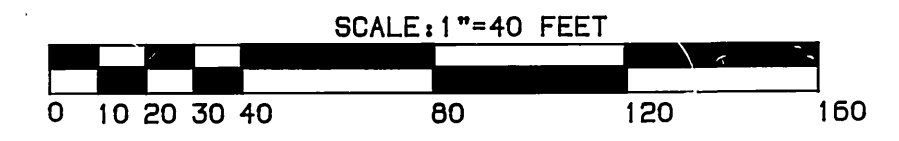
TRACT 22408-2



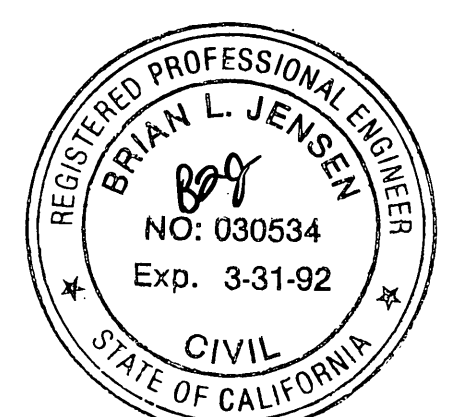
FAIR ISLE DRIVE

CONSTRUCTION NOTES

- ① CONSTRUCT 8" VITRIFIED CLAY PIPE (VCP) PER CITY SPECIFICATIONS
- ② CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY STD. 500
- ③ CONSTRUCT CONCRETE SEWER ENCASEMENT PER CITY STD. CWD-022 & 023



PROPOSED STREET IMPROVEMENT
 PER PLAN R-3073



BENCHMARK:
 3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76 FEET SOUTHWEST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7 FEET NORTHEAST OF THE NORTHEAST RAIL, 1.9 FEET ABOVE THE GROUND, AND ABOUT 1 FOOT HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 BRASS DISK IS BROKEN OFF F.D. ORIGINAL SHANK OF B.D. WITH P.K. NAIL DRIVEN ALONG SIDE SHANK

CITY OF RIVERSIDE
 WATER SYSTEM
 APPROVED BY: *Richard J. Dinkel* 10-23-89 DATE

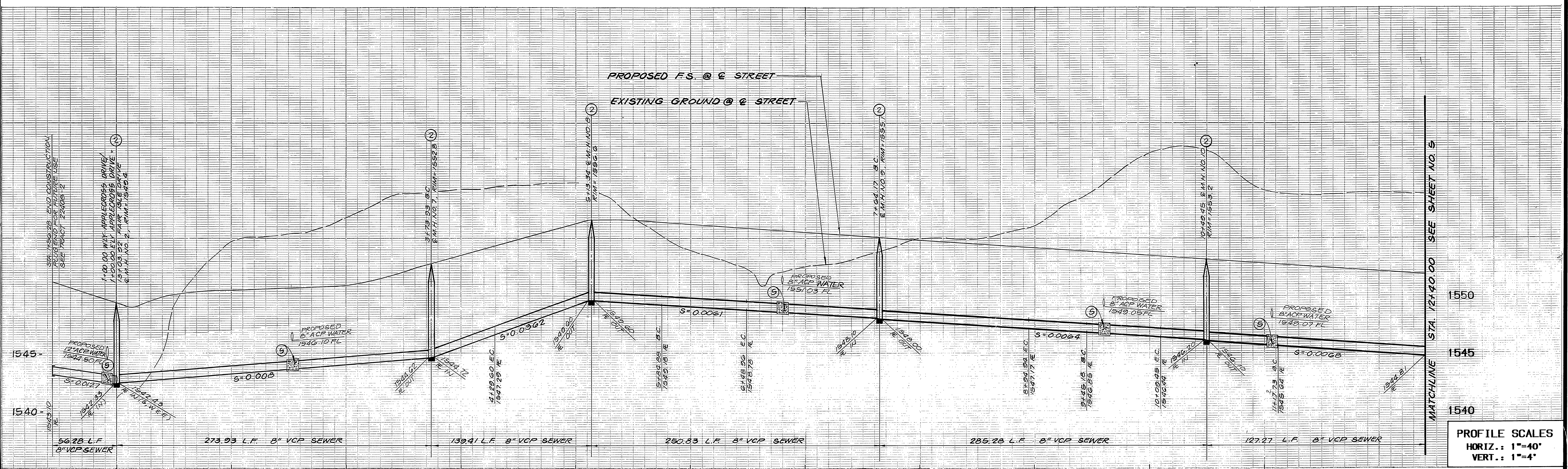
THE KEITH COMPANIES
 6296 RIVER CREST DRIVE
 SUITE K
 RIVERSIDE, CA 92507
 (714) 653-0234
 APPROVED BY: *Brian L. Jensen*
 BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534 DATE

DESIGNED BY: *WJ*
 DRAWN BY: *RAM*
 CHECKED BY: *BB*
 DATE: 12/21/89

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Brian L. Jensen*
 DATE: 12/22/89
 PUBLIC WORKS DIRECTOR

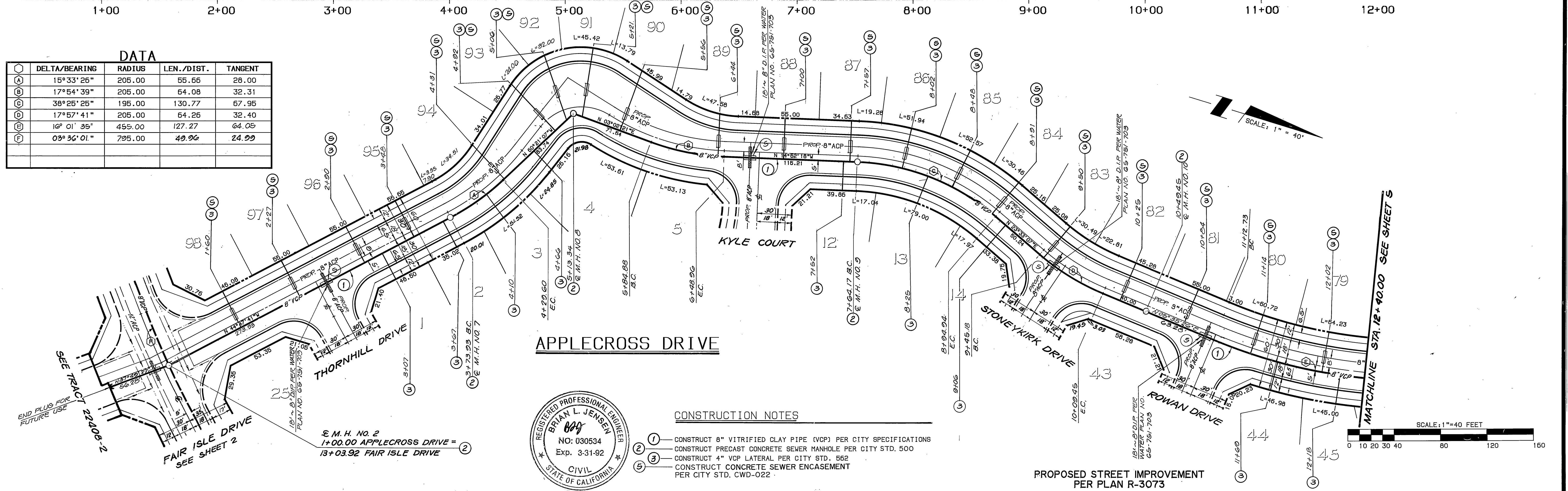
SEWER IMPROVEMENT PLANS
 TRACT 22408-1
FAIR ISLE DRIVE
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

ACCOUNT NO.
 S-1553
 SHEET 3 OF 10



PROFILE SCALES
 HORIZ.: 1"=40'
 VERT.: 1"=4'

	DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
(A)	15°33'26"	205.00	55.66	28.00
(B)	17°54'39"	205.00	64.08	32.31
(C)	38°25'25"	195.00	130.77	67.95
(D)	17°57'41"	205.00	64.26	32.40
(E)	16°01'35"	455.00	127.27	64.05
(F)	03°36'01"	795.00	49.96	24.99



CONSTRUCTION NOTES

- 1 CONSTRUCT 8" VITRIFIED CLAY PIPE (VCP) PER CITY SPECIFICATIONS
- 2 CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY STD. 500
- 3 CONSTRUCT 4" VCP LATERAL PER CITY STD. 562
- 4 CONSTRUCT CONCRETE SEWER ENCASUREMENT PER CITY STD. CWD-022



BENCHMARK:
 3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76 FEET SOUTH-EAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7 FEET NORTHEAST OF THE NORTHEAST RAIL, 1.9 FEET ABOVE THE GROUND, AND ABOUT 1 FOOT HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 (BRASS DISK IS BROKEN OFF F.D. ORIGINAL SHANK OF B.D. WITH P.K. NAIL DRIVEN ALONG SIDE SHANK)

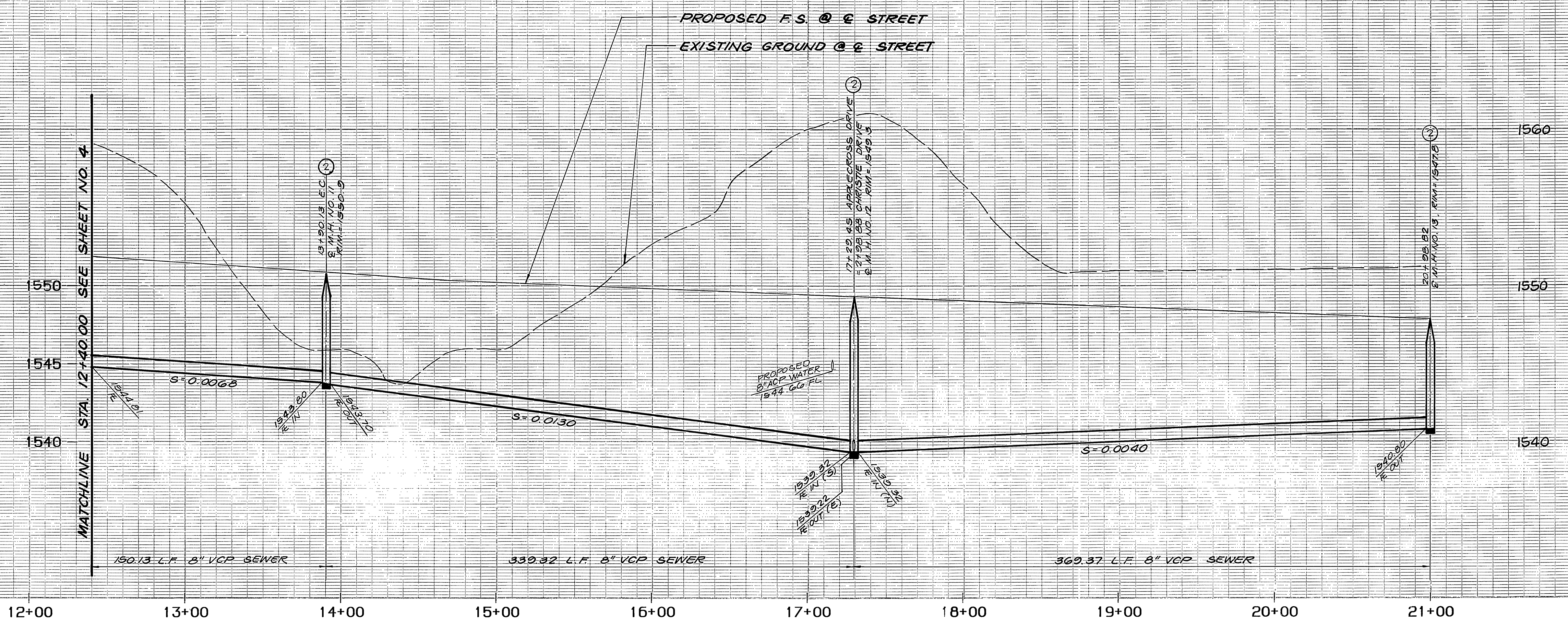
CITY OF RIVERSIDE
 WATER SYSTEM
 APPROVED BY: *Richard J. Diehl*
 DATE: 10-23-89

THE KEITH COMPANIES
 6295 RIVER CREST DRIVE
 SUITE K
 RIVERSIDE, CA 92507
 (714) 653-0234
 APPROVED BY: *Brian L. Jensen*
 BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534
 DATE:

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Raymond Paul*
 PUBLIC WORKS DIRECTOR
 DATE: 10/22/89

SEWER IMPROVEMENT PLANS
 TRACT 22408-1
 APPLECROSS DRIVE

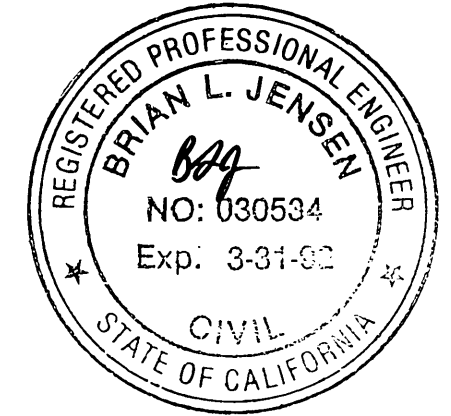
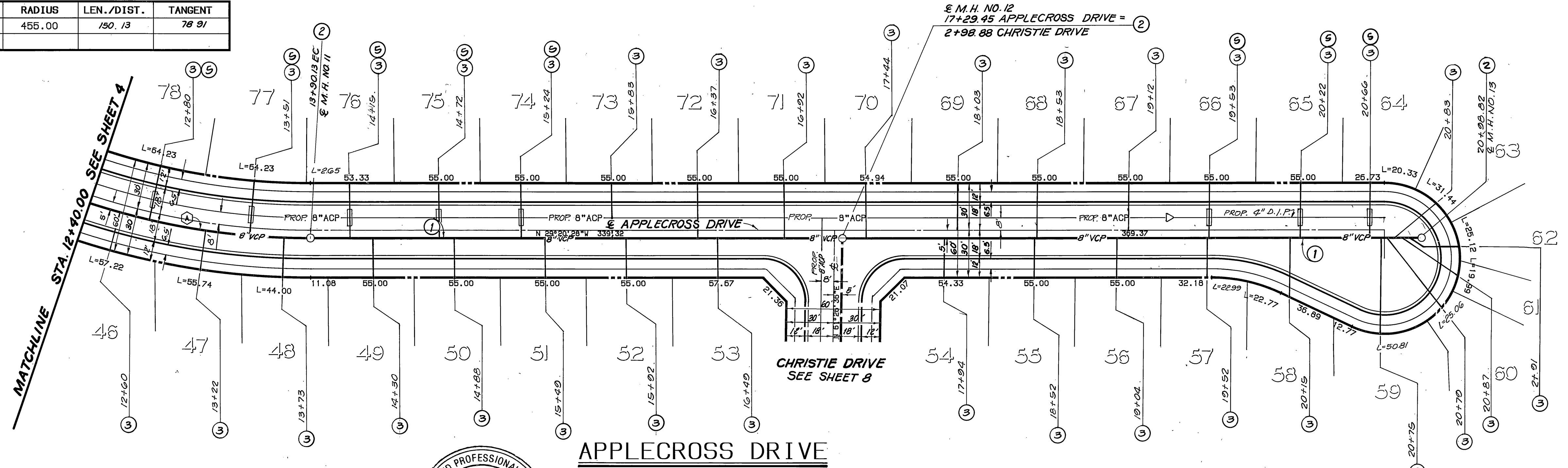
ACCOUNT NO. S-1553
 SHEET 4 OF 10
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'
 INDEXED S-16-90 FT



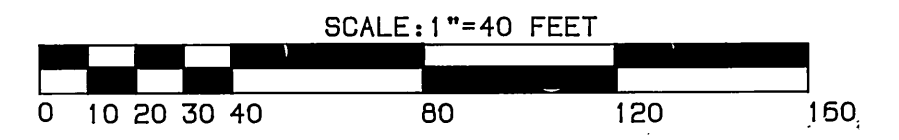
PROFILE SCALES
 HORIZ.: 1"=40'
 VERT.: 1"=4'

DATA

DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
18° 54' 13"	455.00	150.13	78 91



- CONSTRUCTION NOTES
- ① - CONSTRUCT 8" VITRIFIED CLAY PIPE (VCP) PER CITY SPECIFICATIONS
 - ② - CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY STD. 500
 - ③ - CONSTRUCT 4" VCP LATERAL PER CITY STD. 562
 - ④ - CONSTRUCT CONCRETE SEWER ENCASUREMENT PER CITY STD. CWD-022 & 023



PROPOSED STREET IMPROVEMENT
 PER PLAN R-3073

BENCHMARK:
 3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76 FEET SOUTHEAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7 FEET NORTHEAST OF THE NORTHEAST RAIL, 1.9 FEET ABOVE THE GROUND, AND ABOUT 1 FOOT HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 (BRASS DISK IS BROKEN OFF F.D. ORIGINAL SHANK OF B.D. WITH P.K. NAIL DRIVEN ALONG SIDE SHANK)

CITY OF RIVERSIDE
 WATER SYSTEM
 APPROVED BY: *Richard J. Dredel* DATE: 10-23-89

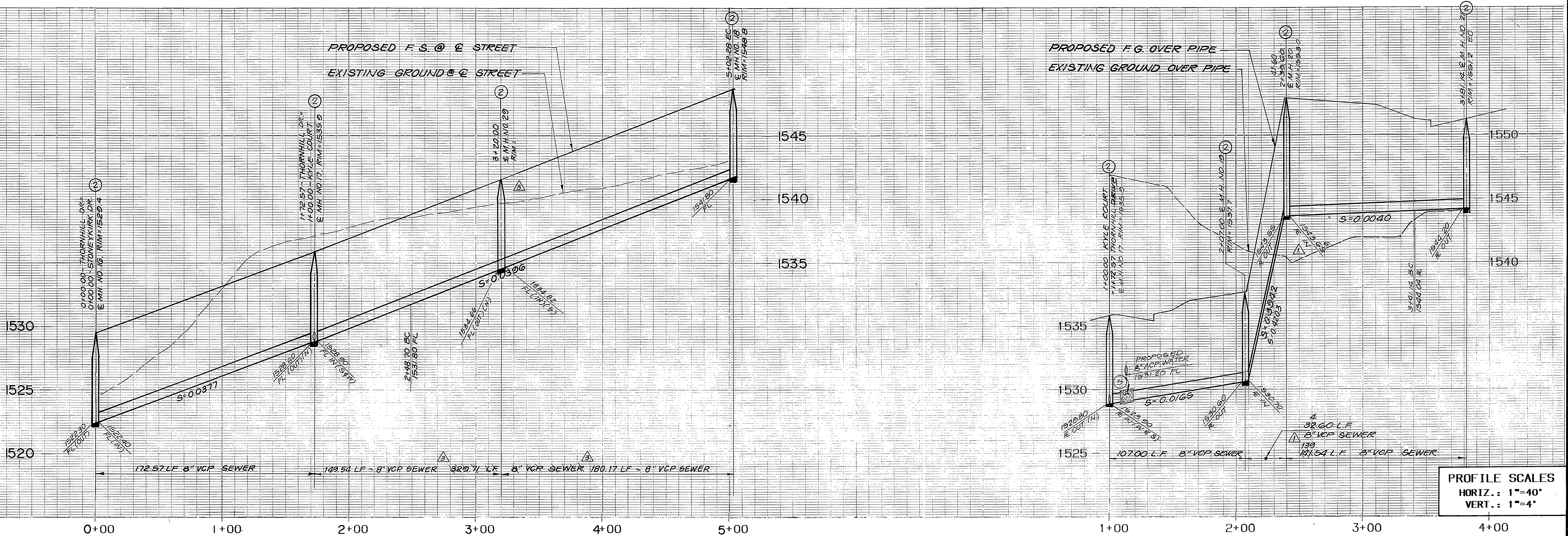
THE KEITH COMPANIES
 6296 RIVER CREST DRIVE
 SUITE K
 RIVERSIDE, CA 92507
 (714) 953-0234
 APPROVED BY: *Brian L. Jensen* DATE: _____
 BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534

MARK REVISIONS APPR. DATE
 DESIGNED BY: *CV* DRAWN BY: *RA* CHECKED BY: *BB* DATE: 12/22/89

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Bay Paul* DATE: 12/22/89
 PUBLIC WORKS DIRECTOR

SEWER IMPROVEMENT PLANS
 TRACT 22408-1
 APPLECROSS DRIVE
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

ACCOUNT NO.
 S-1553
 SHEET 5 OF 10



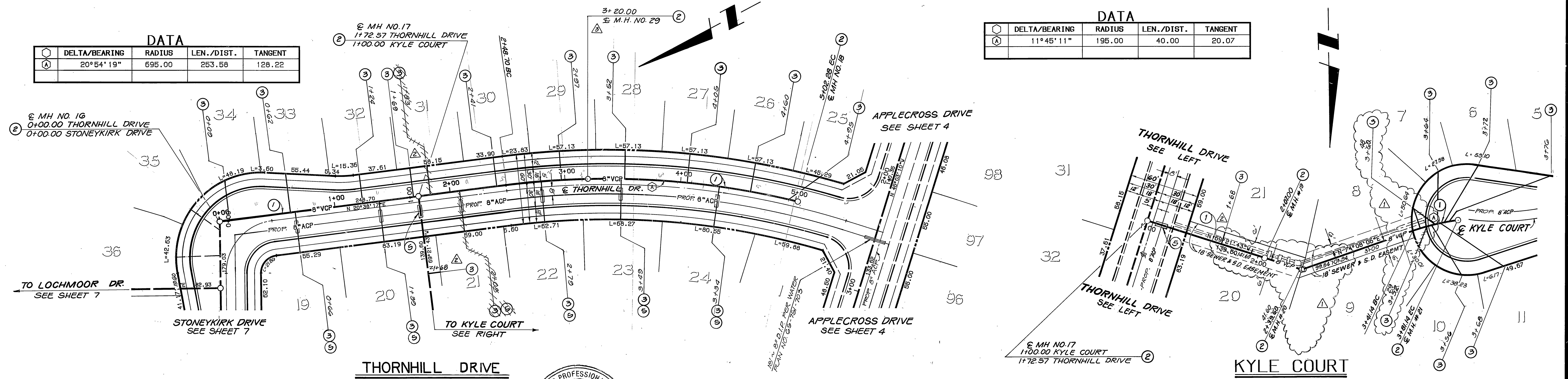
PROFILE SCALES
 HORIZ.: 1"=40'
 VERT.: 1"=4'

DATA

DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
20°54'19"	695.00	253.58	128.22

DATA

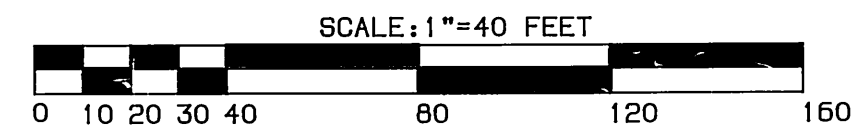
DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
11°45'11"	195.00	40.00	20.07



- CONSTRUCTION NOTES**
- 1 CONSTRUCT 8" VITRIFIED CLAY PIPE (VCP) PER CITY SPECIFICATION
 - 2 CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY STD. 500
 - 3 CONSTRUCT 4" VCP LATERAL PER CITY STD. 562
 - 5 CONSTRUCT CONCRETE SEWER ENCASUREMENT PER CITY STD. CWD-022 & 023



PROPOSED STREET IMPROVEMENT
 PER PLAN R-3073



BENCHMARK:
 3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76 FEET SOUTHEAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7 FEET NORTHEAST OF THE NORTHEAST RAIL, 1.9 FEET ABOVE THE GROUND, AND ABOUT 1 FOOT HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.087 (BRASS DISK IS BROKEN OFF F.D. ORIGINAL SHANK OF B.D. WITH P.K. NAIL DRIVEN ALONG SIDE SHANK)

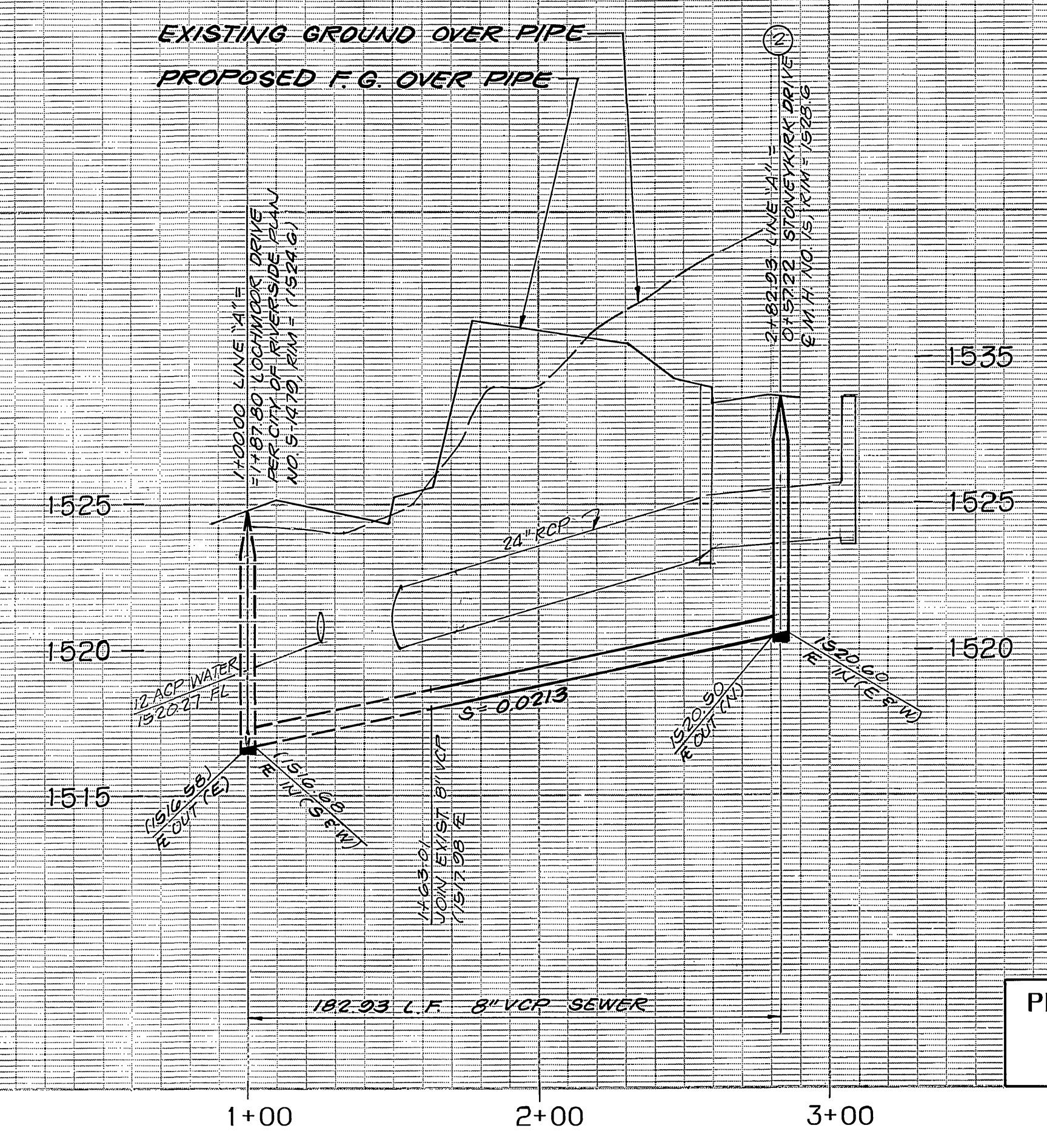
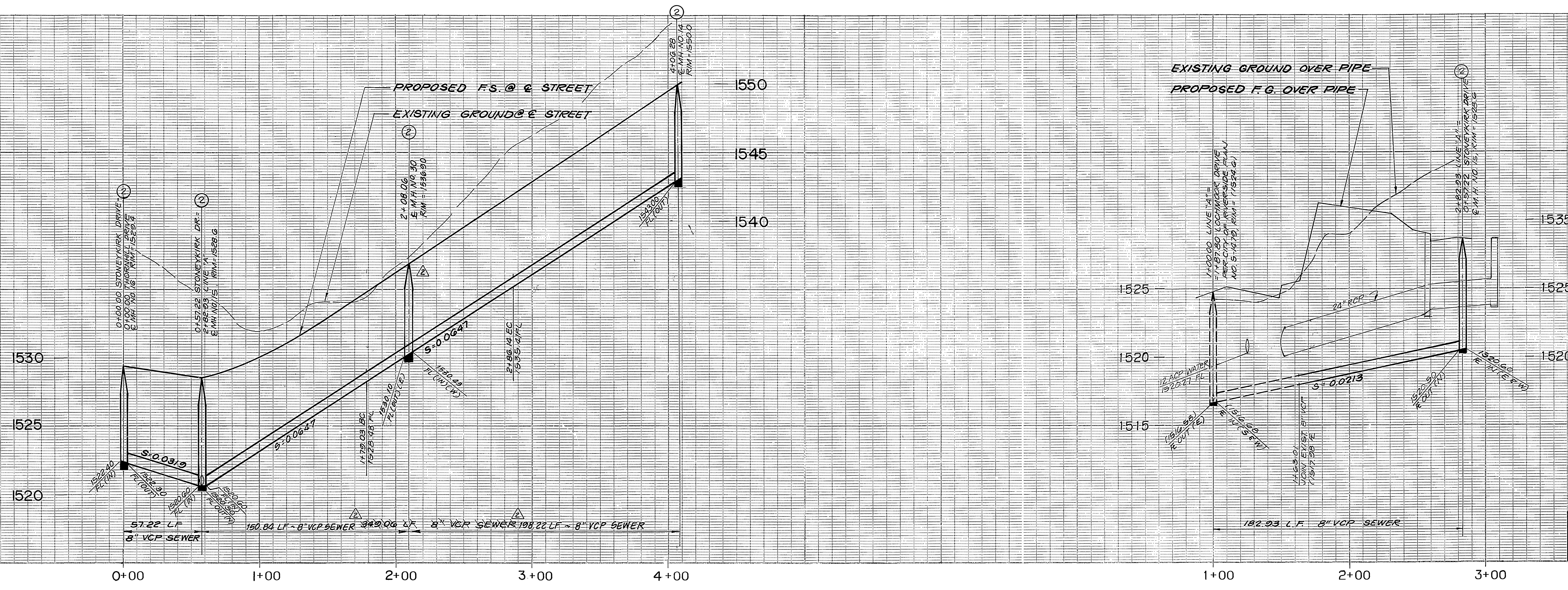
CITY OF RIVERSIDE
 WATER SYSTEM
 APPROVED BY: *Richard J. Dardick* 12-23-89
 DATE

THE KEITH COMPANIES
 6296 RIVER CREST DRIVE
 SUITE K
 RIVERSIDE, CA 92507
 (714) 653-0234
 APPROVED BY: *Brian L. Jensen*
 BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534

ADDED MANHOLE
 REVISED LATERAL LOCATIONS
 REVISED MANHOLE & LATERAL LOCATIONS
 DESIGNED BY: *JPV* DRAWN BY: *RR* CHECKED BY: *BS*

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Darryl Bel*
 PUBLIC WORKS DIRECTOR
 DATE: 12/22/89

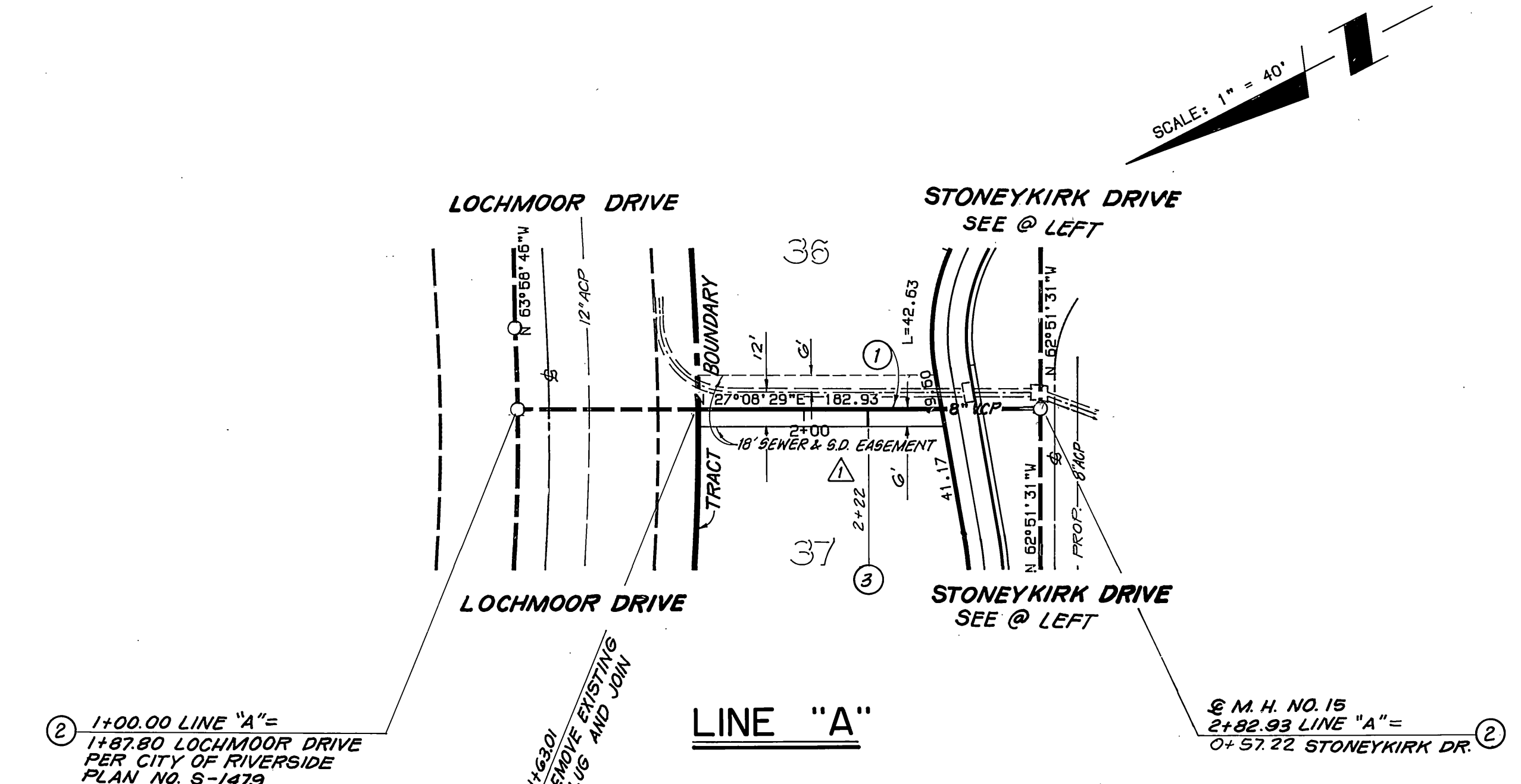
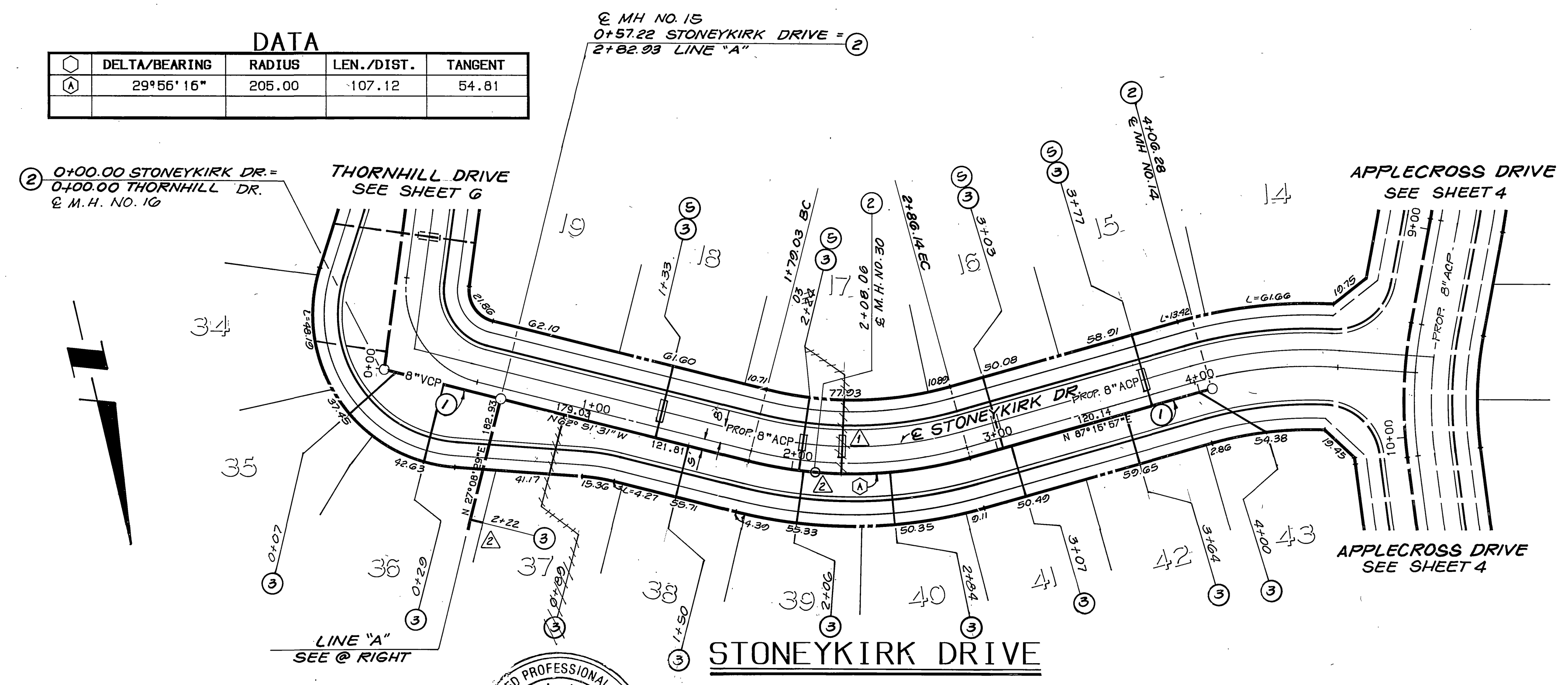
SEWER IMPROVEMENT PLANS
 TRACT 22408-1
 THORNHILL DRIVE/KYLE COURT
 ACCOUNT NO. S-1553
 SHEET 6 OF 10
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'



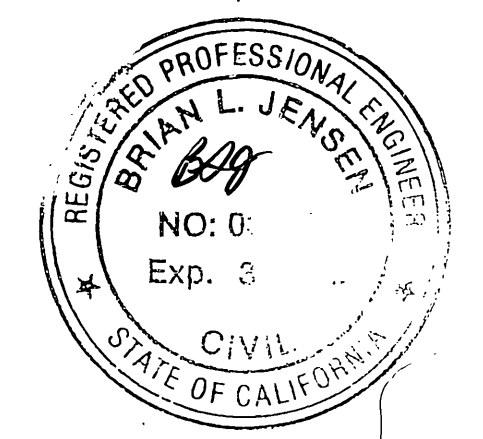
PROFILE SCALES
 HORIZ.: 1"=40'
 VERT.: 1"=4'

DATA

DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
29°56'16"	205.00	107.12	54.81



- CONSTRUCTION NOTES**
- ① - CONSTRUCT 8" VITRIFIED CLAY PIPE (VCP) PER CITY SPECIFICATIONS
 - ② - CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY STD. 500
 - ③ - CONSTRUCT 4" VCP LATERAL PER CITY STD. 562
 - ④ - CONSTRUCT CONCRETE SEWER ENCASUREMENT PER CITY STD. CWD-022 & 023



BENCHMARK:
 3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76 FEET SOUTH OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7 FEET NORTHEAST OF THE NORTHEAST RAIL, 1.9 FEET ABOVE THE GROUND, AND ABOUT 1 FOOT HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 (BRASS DISK IS BROKEN OFF F.D. ORIGINAL SHANK OF B.D. WITH P.K. NAIL DRIVEN ALONG SIDE SHANK)

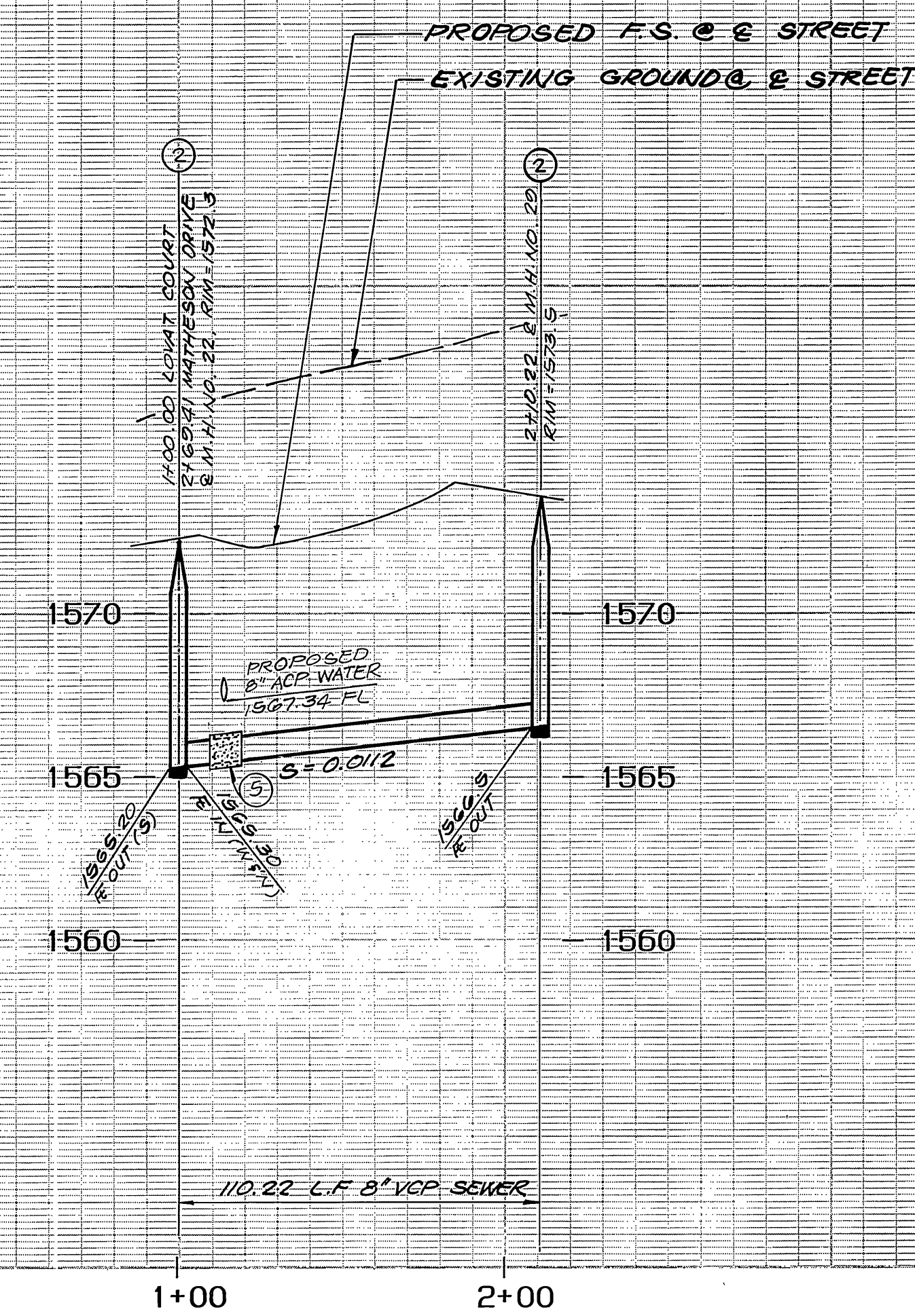
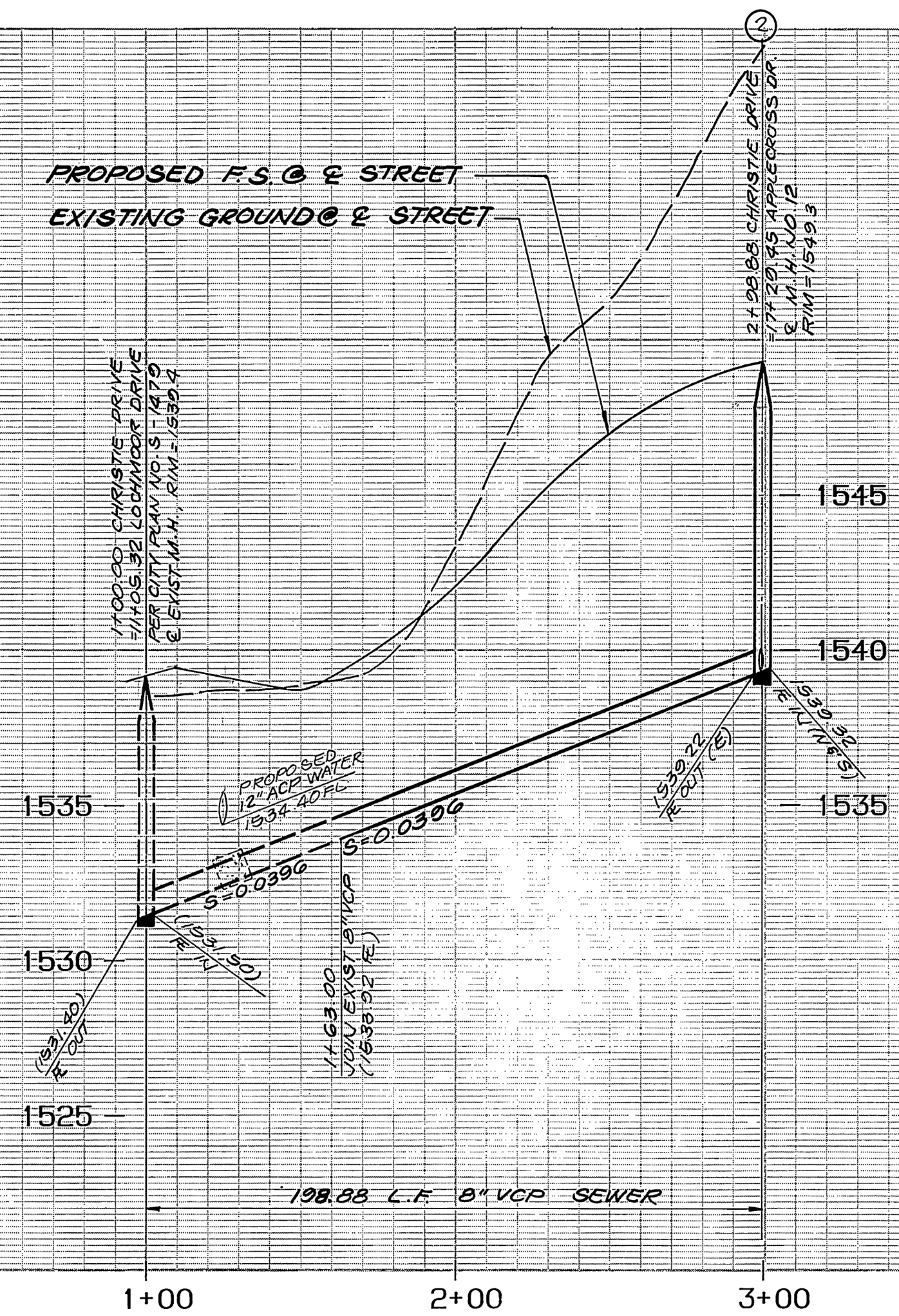
CITY OF RIVERSIDE
 WATER SYSTEM
 APPROVED BY: *Richard J. Drexler* 10-23-89
 DATE

THE KEITH COMPANIES
 6296 RIVER CREST DRIVE
 SUITE K
 RIVERSIDE, CA 92507
 (714) 653-0234
 APPROVED BY: *Brian L. Jensen*
 BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534
 DATE

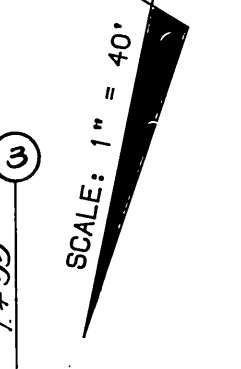
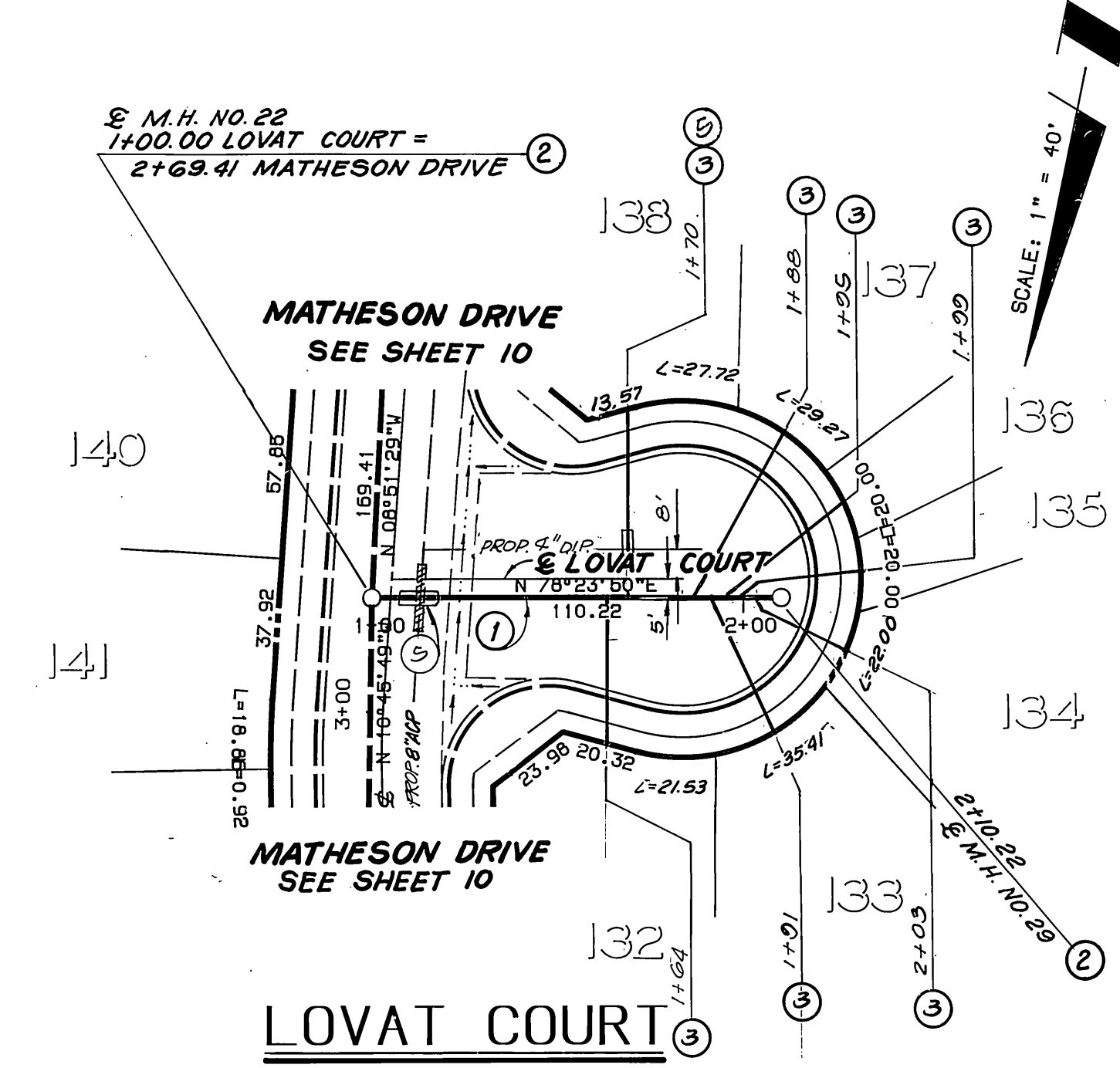
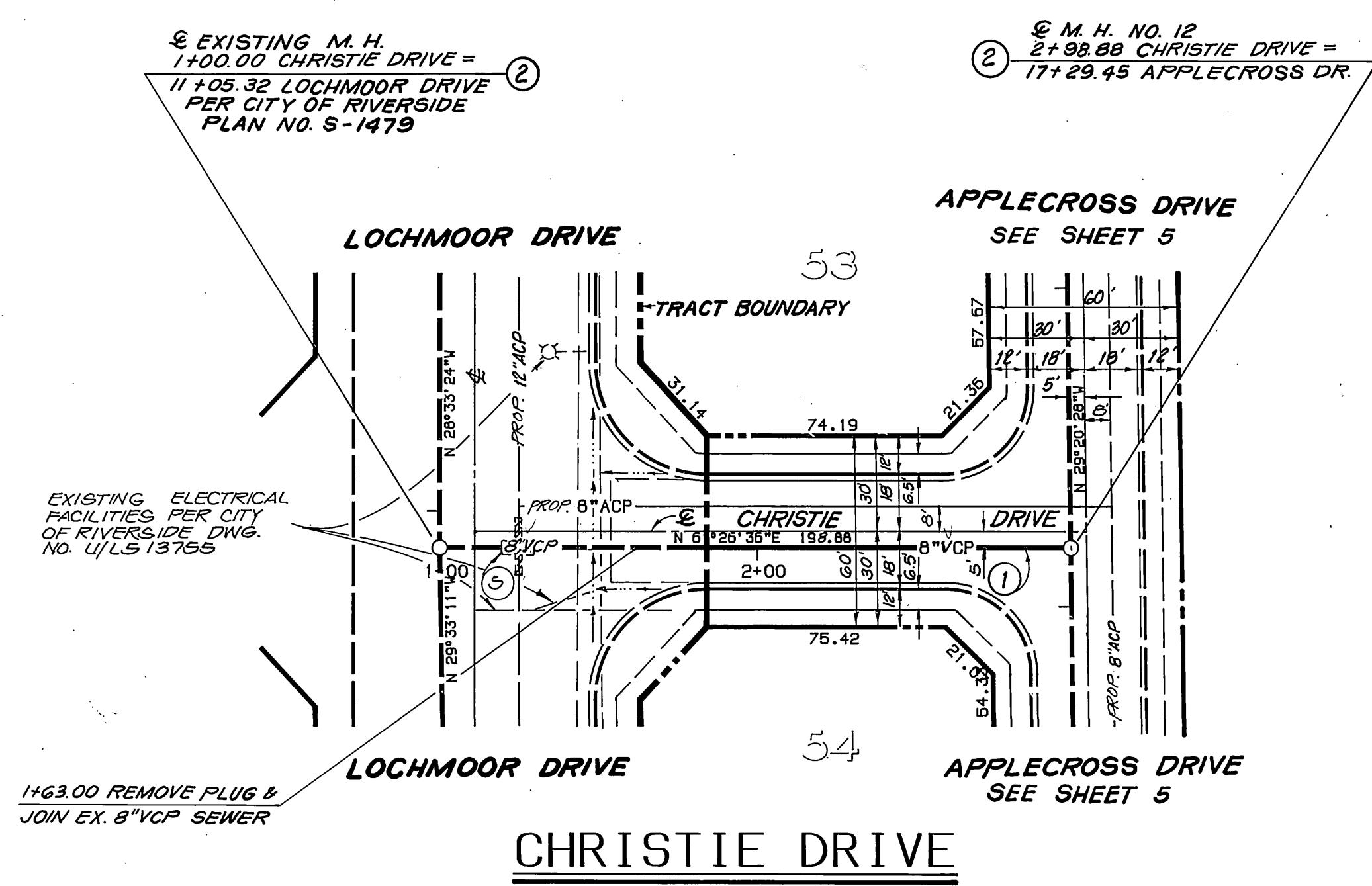
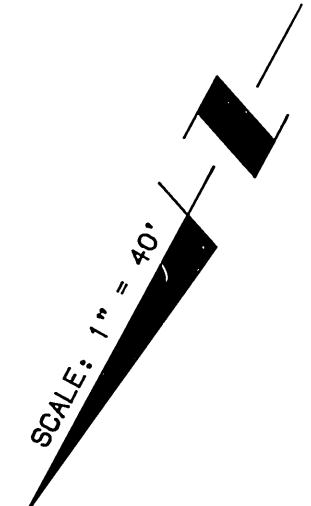
ADDED MANHOLE
 REVISED LATERAL LOCATIONS
 DESIGNED BY: *JPV*
 DRAWN BY: *RAM*
 CHECKED BY: *BB*

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Brian Jensen*
 DATE: 12/22/89
 PUBLIC WORKS DIRECTOR

SEWER IMPROVEMENT PLANS
 TRACT 22408-1
 STONEYKIRK DRIVE
 ACCOUNT NO. S-1553
 SHEET 7 OF 10
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

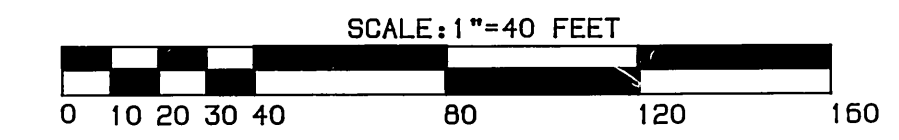


PROFILE SCALES
 HORIZ.: 1"=40'
 VERT.: 1"=4'



CONSTRUCTION NOTES

- ① CONSTRUCT 8" VITRIFIED CLAY PIPE (VCP) PER CITY SPECIFICATIONS
- ② CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY STD. 500
- ③ CONSTRUCT 4" VCP LATERAL PER CITY STD. 562
- ④ CONSTRUCT CONCRETE SEWER ENCASUREMENT PER CITY STD. CWD-022 & 023



PROPOSED STREET IMPROVEMENT
 PER PLAN R-3073

BENCHMARK:
 3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76 FEET SOUTHEAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7 FEET NORTHEAST OF THE NORTHEAST RAIL, 1.9 FEET ABOVE THE GROUND, AND ABOUT 1 FOOT HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.867 (BRASS DISK IS BROKEN OFF F.D. ORIGINAL SHANK OF B.D. WITH P.K. NAIL DRIVEN ALONG SIDE SHANK)

CITY OF RIVERSIDE
 WATER SYSTEM
 APPROVED BY: *Richard L. Drotzek* 12-23-89
 DATE

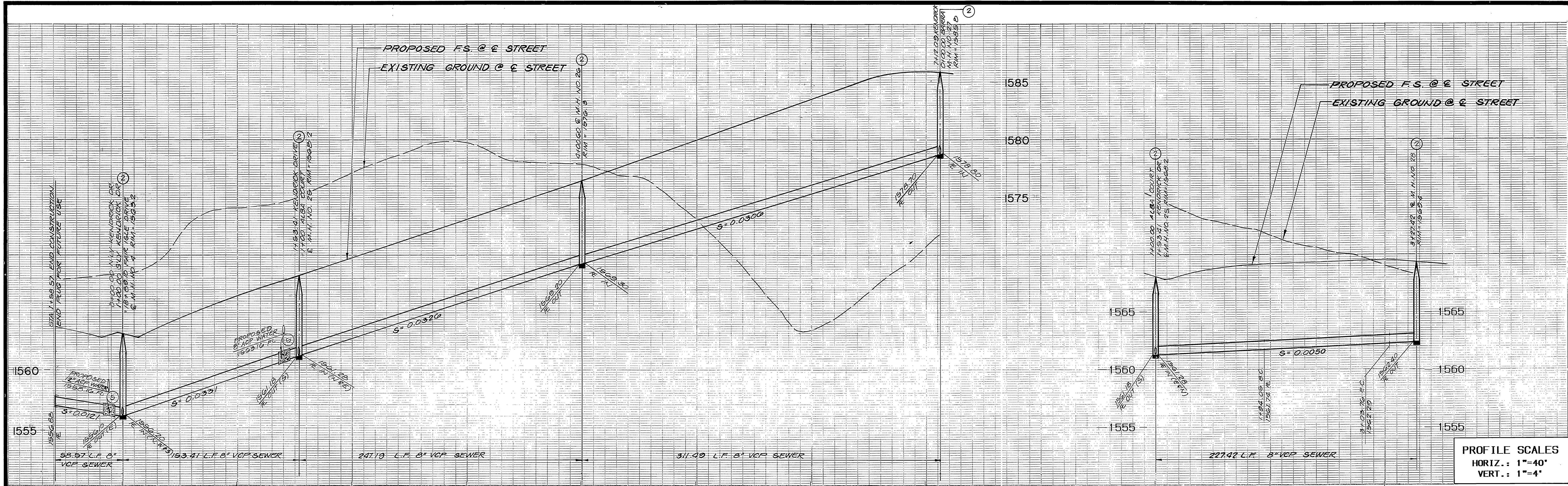
THE KEITH COMPANIES
 6296 RIVER CREST DRIVE
 SUITE K
 RIVERSIDE, CA 92507
 (714) 653-0234
 APPROVED BY: *Brian L. Jensen*
 BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534 DATE

MARK REVISIONS APPR. DATE
 DESIGNED BY: *VEN* DRAWN BY: *RAM* CHECKED BY: *BB*

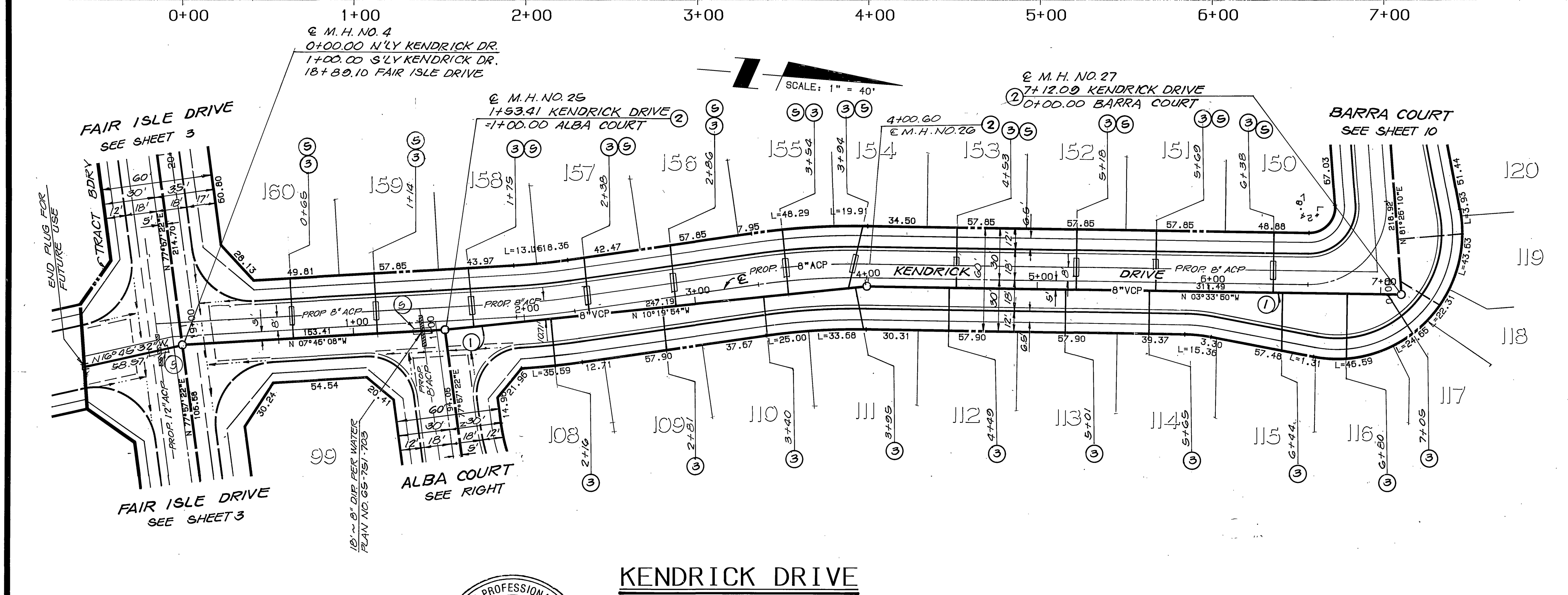
CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Ray Post*
 DATE: 12/22/89
 CHIEF P.W. ENGINEER

SEWER IMPROVEMENT PLANS
 TRACT 22408-1
 CHRISTIE DR. / LOVAT CT.
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

ACCOUNT NO.
 S-1553
 SHEET 8 OF 10

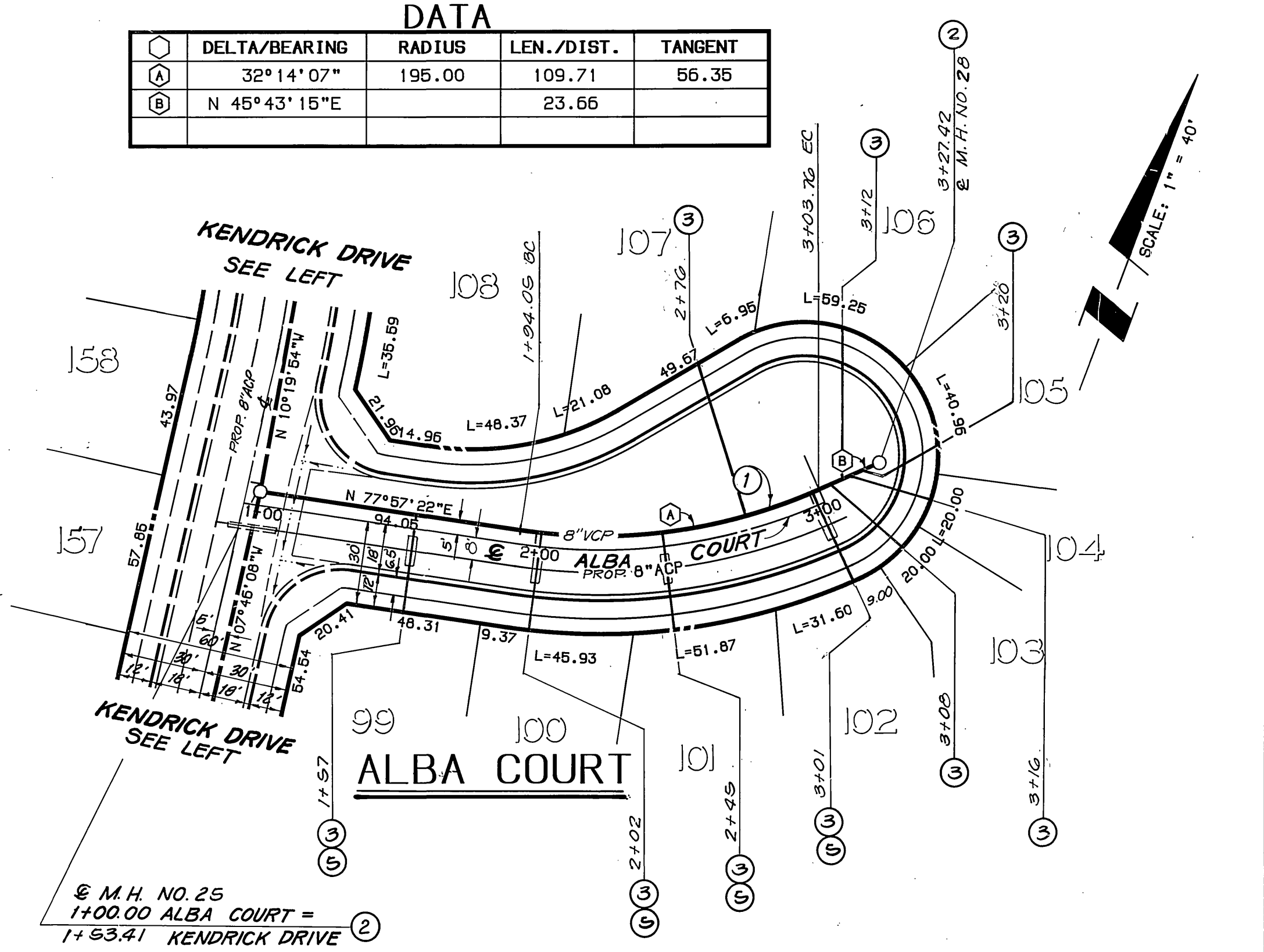


PROFILE SCALES
 HORIZ.: 1"=40'
 VERT.: 1"=4'



DATA

DELTA/BEARING	RADIUS	LEN./DIST.	TANGENT
32°14'07"	195.00	109.71	56.35
N 45°43'15"E		23.66	



KENDRICK DRIVE

CONSTRUCTION NOTES

- ① CONSTRUCT 8" VITRIFIED CLAY PIPE (VCP) PER CITY SPECIFICATIONS
- ② CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY STD. 500
- ③ CONSTRUCT 4" VCP LATERAL PER CITY STD. 562
- ④ CONSTRUCT CONCRETE SEWER ENCASEMENT PER CITY STD. CWD-022 & 023

PROPOSED STREET IMPROVEMENT
 PER PLAN R-3073

BENCHMARK:
 3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76 FEET SOUTHEAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7 FEET NORTHEAST OF THE NORTHEAST RAIL, 1.9 FEET ABOVE THE GROUND, AND ABOUT 1 FOOT HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 (BRASS DISK IS BROKEN OFF F.D. ORIGINAL SHANK OF B.D. WITH P.K. NAIL DRIVEN ALONG SIDE SHANK)

CITY OF RIVERSIDE
 WATER SYSTEM
 APPROVED BY: *Ronald J. Durb* 10-23-89
 DATE

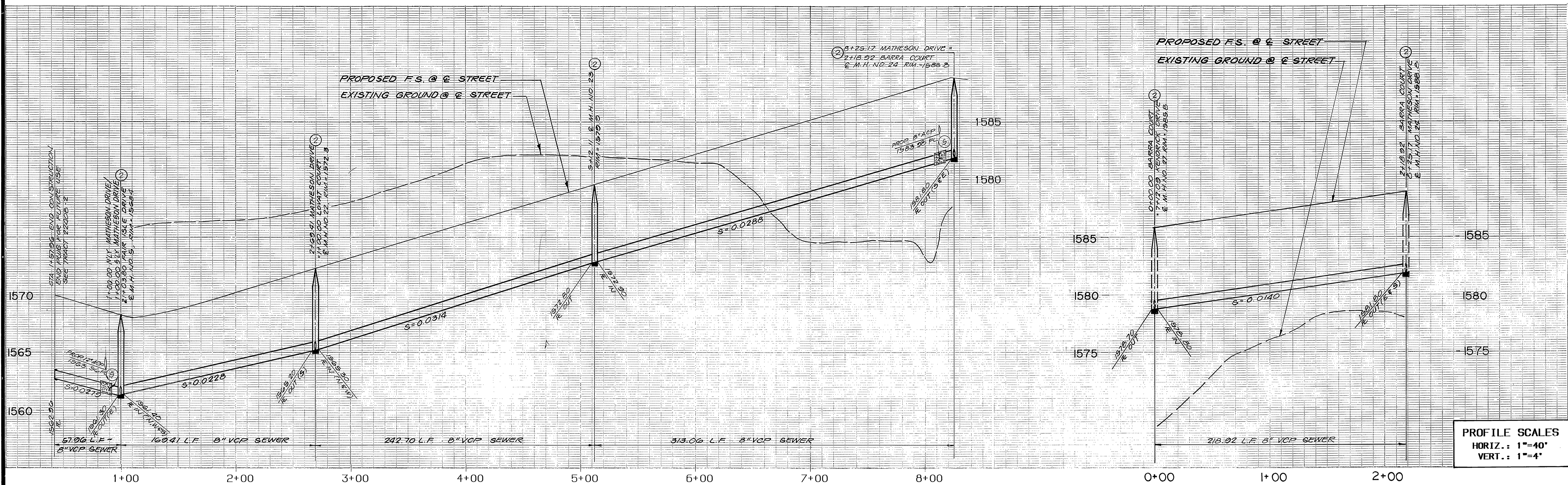
THE KEITH COMPANIES
 6296 RIVER CREST DRIVE
 SUITE K
 RIVERSIDE, CA 92507
 (714) 653-0234
 APPROVED BY: *Brian L. Jensen*
 BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534 DATE

MARK REVISIONS APPR. DATE
 DESIGNED BY *LDV* DRAWN BY *RAM* CHECKED BY *BB*
 DATE 12/22/89

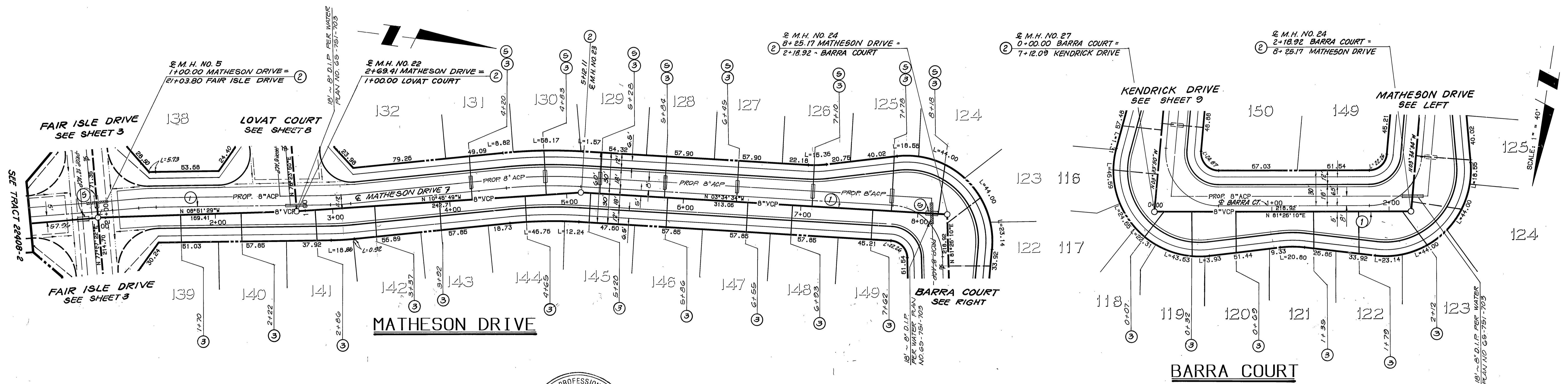
CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Brian L. Jensen*
 DATE 12/22/89
 CHIEF P.W. ENGINEER

SEWER IMPROVEMENT PLANS
 TRACT 22408-1
 KENDRICK DRIVE/ALBA COURT
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

ACCOUNT NO.
 S-1553
 SHEET 9 OF 10

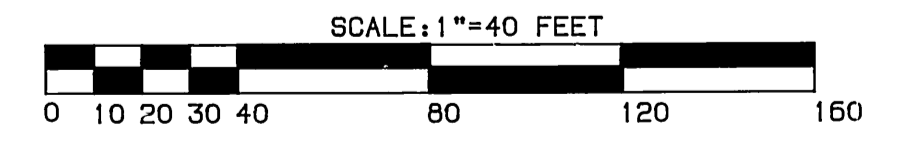


PROFILE SCALES
 HORIZ.: 1"=40'
 VERT.: 1"=4'



CONSTRUCTION NOTES

- ① - CONSTRUCT 8" VITRIFIED CLAY PIPE (VCP) PER CITY SPECIFICATIONS
- ② - CONSTRUCT PRECAST CONCRETE SEWER MANHOLE PER CITY STD. 500
- ③ - CONSTRUCT 4" VCP LATERAL PER CITY STD. 552
- ④ - CONSTRUCT CONCRETE SEWER ENCASEMENT PER CITY STD. CWD-022 & 023



PROPOSED STREET IMPROVEMENT PER PLAN R-3073

BENCHMARK:
 3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76 FEET SOUTHWEST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7 FEET NORTHEAST OF THE NORTHEAST RAIL, 1.9 FEET ABOVE THE GROUND, AND ABOUT 1 FOOT HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 (BRASS DISK IS BROKEN OFF F.D. ORIGINAL SHANK OF B.D. WITH P.K. NAIL DRIVEN ALONG SIDE SHANK)

CITY OF RIVERSIDE WATER SYSTEM
 APPROVED BY: *Richard L. Dinkel* 10-23-89
 DATE

THE KEITH COMPANIES
 6296 RIVER CREST DRIVE
 SUITE K
 RIVERSIDE, CA 92507
 (714) 653-0234
 APPROVED BY: *Brian L. Jensen*
 BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534
 DATE

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Darryl Bell*
 PUBLIC WORKS DIRECTOR
 DATE: 12/22/89

SEWER IMPROVEMENT PLANS TRACT 22408-1 MATHESON DRIVE/BARRA COURT
 ACCOUNT NO. S-1553
 SHEET 10 OF 10
 HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'