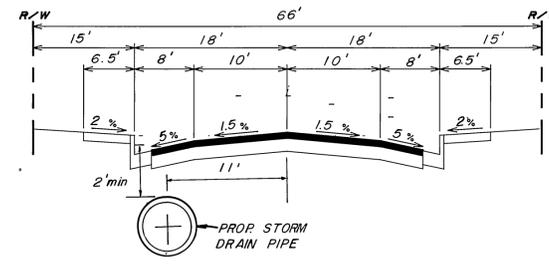


INDEX MAP
1" = 200'

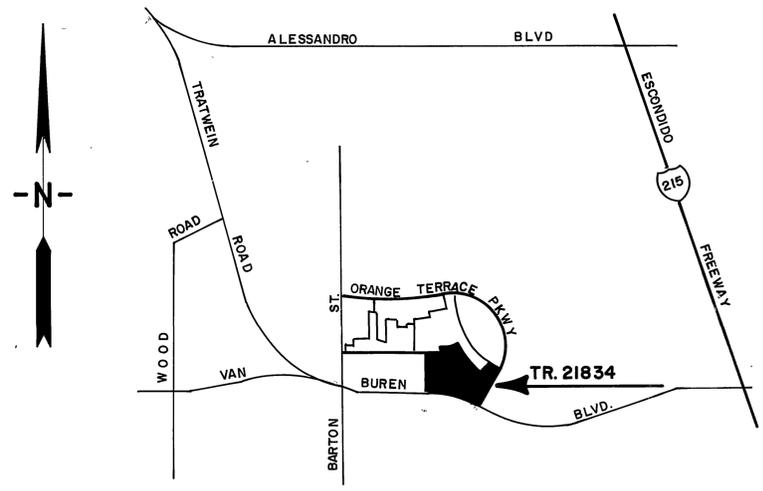
By Separate Contract See Sheet 25 of C.E.D. 86-1-3 ORANGE TERRACE PKWY.



TYPICAL STREET SECTION

STORM DRAIN GENERAL NOTES

- QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, STANDARD DRAWING NO. 10, AND SPECIFICATIONS FOR PUBLIC WORK, CONSTRUCTION, CURRENT EDITION.
- 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 AT NO COST TO THE CITY.
- NOTICE TO CONTRACTOR: THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE 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. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION THE PRIVATE ENGINEER SIGNING THESE PLANS SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
- 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.
- 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.
- ALL EMBANKMENT FILL SHALL BE COMPACTED TO MINIMUM OF 90% MAXIMUM DRY DENSITY AND SHALL BE OF AN APPROVED QUALITY.
- ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE (5) DAYS AFTER NOTIFICATION FROM THE CITY INSPECTOR.
- BEFORE THE RIP-RAP IS ACCEPTED, AS PLACED, AT THE OUTLET OF ANY DRAINAGE STRUCTURE, IT SHALL BE TESTED UNDER FLOWS AS CLOSE AS POSSIBLE TO DESIGN CONDITIONS WITH WATER OBTAINED FROM FIRE HYDRANTS IN THE IMMEDIATE AREA.



VICINITY MAP
N. T. S.

CONSTRUCTION NOTES

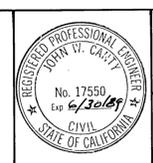
- CONSTRUCT M.H. "AX" PER CITY OF RIV. STD. NO. 430
- CONSTRUCT M.H. "JM" PER CITY OF RIV. STD. NO. 432
- CONSTRUCT J.S. "B" PER CITY OF RIV. STD. NO. 421
- CONSTRUCT J.S. "C" PER CITY OF RIV. STD. NO. 422
- CONSTRUCT J.S. 4 PER CITY OF RIV. STD. NO. 423
- CONSTRUCT C.B. PER CITY OF RIV. STD. NO. 405
- CONSTRUCT 18" R.C.P. (D-2000)
- CONSTRUCT 24" R.C.P. (D-1350)
- CONSTRUCT 30" R.C.P. (D-1250)
- CONSTRUCT 36" R.C.P. (D-1250)
- CONSTRUCT 42" R.C.P. (D-1100)
- CONSTRUCT 54" R.C.P. (D-1000)
- CONSTRUCT 72" R.C.P. (D-800)
- CONSTRUCT TIMBER BULKHEAD PER CITY OF RIV. STD. NO. 456
- CONSTRUCT CB PER DETAIL SHT. 8.
- PLUG TEMPORARILY ALL CATCH BASIN INLET WITH SAND BAGS UNTIL SYSTEM ARE COMPLETED.

QUANTITIES

ITEM	QUANTITY	UNIT	SEPARATE CONTRACT
9	EA.	—	
2	EA.	—	
5	EA.	—	
2	EA.	—	
3	EA.	—	J.S. # 4 — 2 EA
1	EA.	—	CATCH BASIN 2 EA
422.59	L.F.	—	18" 48.65 L.F.
194.30	L.F.	—	
269.83	L.F.	—	
249.27	L.F.	—	
2880.60	L.F.	—	
557.64	L.F.	—	
168.09	L.F.	—	72" 401.23 L.F.
1	EA.	—	
1	EA.	—	
14	EA.	—	

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: 3/15/88
WESTERN MUNICIPAL WATER DISTRICT
REVIEWED BY: *[Signature]* DATE: 5/13/88
SUPERVISING DESIGN ENGINEER R.C.E. 21643

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) 346-5691

SCALE: AS SHOWN
DATE: MAY 1987
BENCH MARK: 0.6m ON VAN BUREN BLVD FROM THE INTERSECTION OF VAN BUREN & WOOD ROAD 205' N. OF VAN BUREN AT THE N.E. SIDE OF A GROUP OF GRANITE BOULDERS & ON TOP OF A 3'x15'x18' GRANITE BOULDER. A BRASS DISK FLUSH & MARKED J.B. 10-64 ELEV. 1700.670

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: N.S. DRAWN BY: T.E.E. CHECKED BY: J.C.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

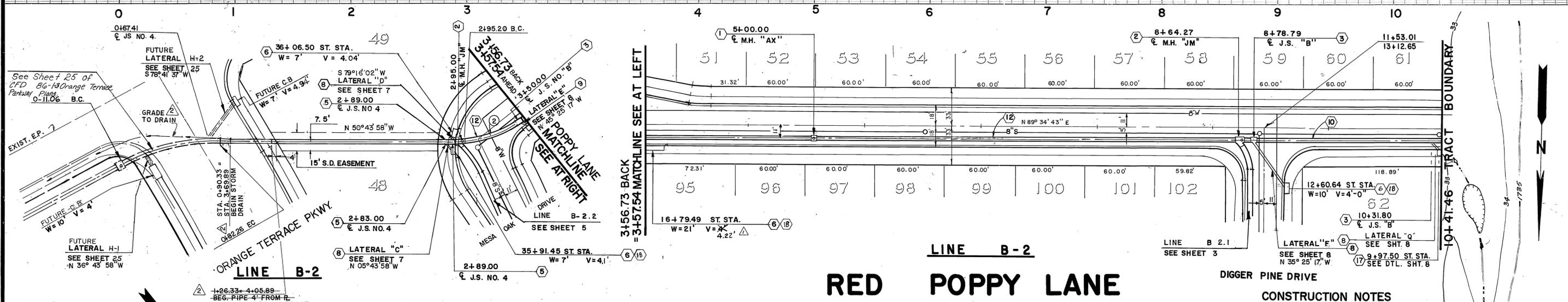
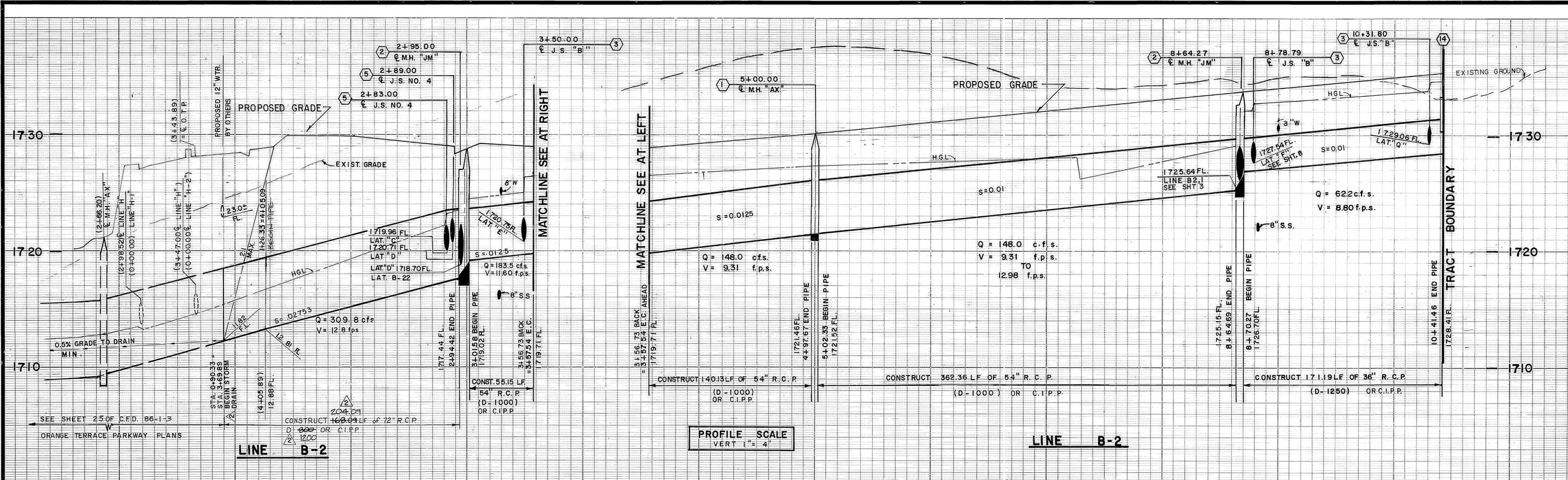
APPROVED BY: *[Signature]* DATE: 5/13/88
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CHIEF P.W. ENGR.

APPROVED BY: *[Signature]* DATE: 5/13/88
DIRECTOR OF PUBLIC WORKS

INDEXED 6-2-88 4H

TRACT 21834
STORM DRAIN
TITLE SHEET

PROJECT NO. **D-534**
SHEET **1** OF **3**
FILE NO. **86-0643**



STORM DRAIN CURVE DATA

NO	Δ	R	L	T
1	29° 42' 12"	180.00'	93.32'	47.73'
2	23° 30' 16"	150.00'	61.53'	31.21'

CONSTRUCTION NOTES

- CONSTRUCT M.H. "AX" PER CITY OF RIV. STD. NO. 430
- CONSTRUCT M.H. "JM" PER CITY OF RIV. STD. NO. 432
- CONSTRUCT J.S. "B" PER CITY OF RIV. STD. NO. 421
- CONSTRUCT J.S. "C" PER CITY OF RIV. STD. NO. 422
- CONSTRUCT J.S. 4 PER CITY OF RIV. STD. NO. 423
- CONSTRUCT C.B. PER CITY OF RIV. STD. NO. 405
- CONSTRUCT 18" R.C.P. (D-2000)
- CONSTRUCT 24" R.C.P. (D-1350)
- CONSTRUCT 30" R.C.P. (D-1250)
- CONSTRUCT 36" R.C.P. (D-1250)
- CONSTRUCT 42" R.C.P. (D-1100)
- CONSTRUCT 54" R.C.P. (D-1000)
- CONSTRUCT 72" R.C.P. (D-800)
- CONSTRUCT TIMBER BULKHEAD PER CITY OF RIV. STD. NO. 456
- CONSTRUCT C.B. PER DETAIL SHEET B

J.S. "B" STA. 3+50.00

J.S. "B"	
A	45° 00' 00"
B	30"
C	6' - 7 1/4"
D	54"
E	8' - 6"
L	6' - 0"
R	1724.32'
S	17.20.75'

M.H. "JM" STA. 8+64.27

M.H. "JM"	
A	45° 00' 00"
B	42"
C	7' - 8 1/2"
D	36"
E	7' - 5 1/2"
L	8' - 6"
R	1725.72'
S	1725.64'

J.S. "B" STA. 8+78.79

J.S. "B"	
A	55° 00' 00"
B	18"
C	3' - 6 3/4"
D	36"
E	2' - 10 1/4"
L	2' - 9"
R	1727.59'
S	1727.54'

Underground Service Alert
Call: TOLL FREE
1-800-422-4133

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES...
No. 17550
Exp. 3/30/89
STATE OF CALIFORNIA

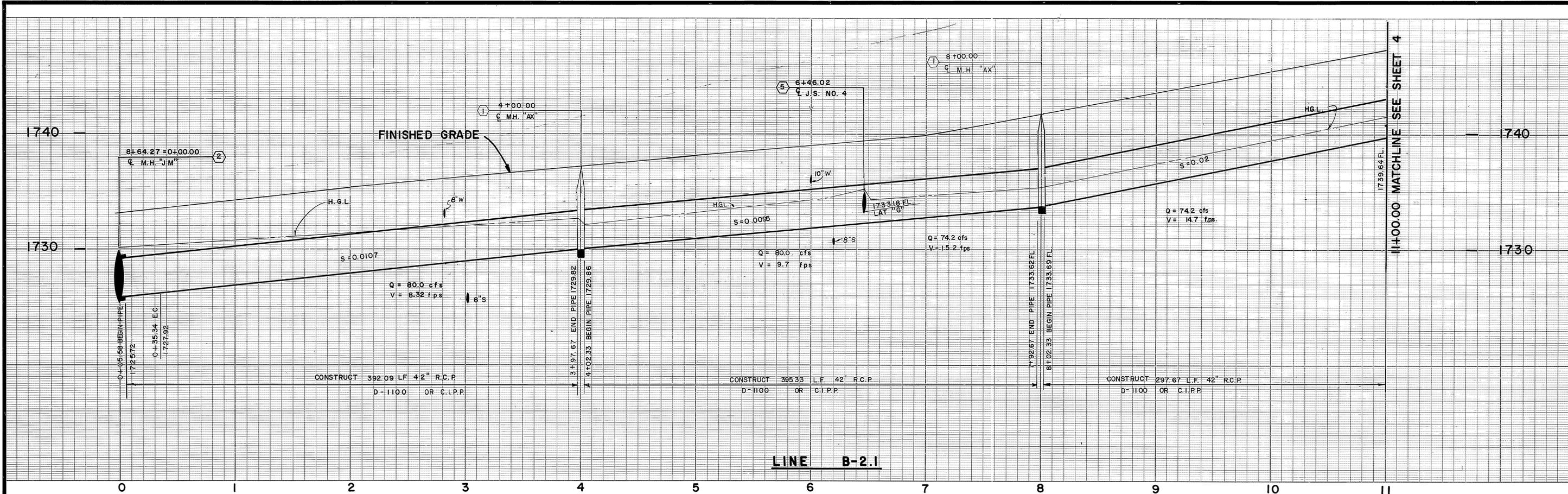
PREPARED UNDER THE DIRECTION OF:
W. W. Curtis
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE 6-30-89 DATE: 3/8/88

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) 686-0844 (714) 825-1082 (619) 346-5691

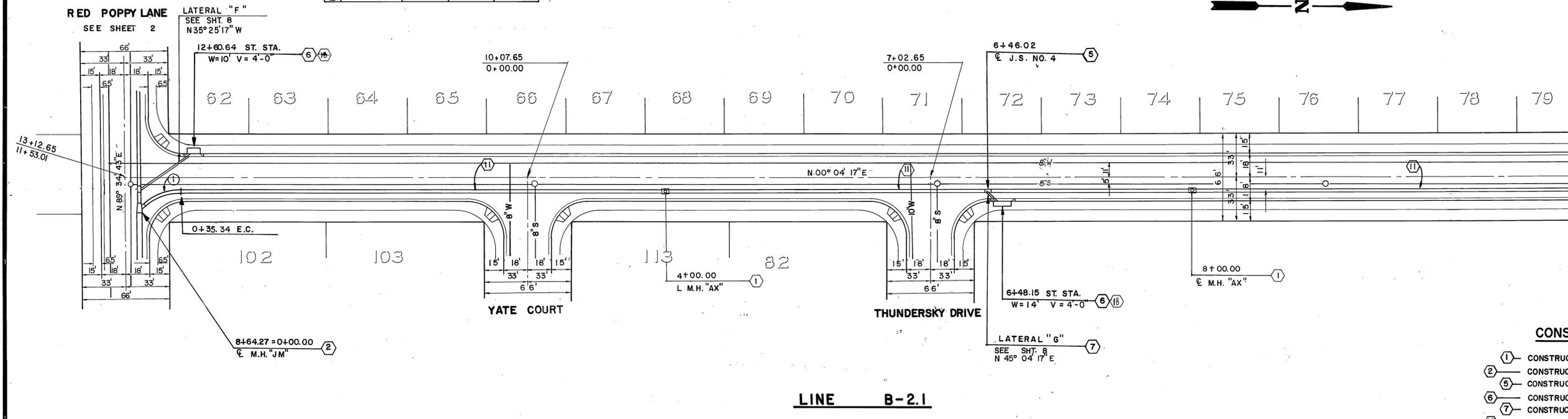
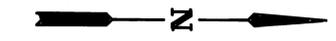
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *[Signature]* DATE: 5/16/88
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CHIEF P.W. ENGR.

TRACT 21834
STORM DRAIN
LINE B-2
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. **D-534**
SHEET **2** OF **3**
FILE NO. **86-9643**



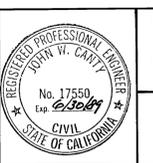
STORM DRAIN CURVE DATA				
No.	Δ	R	L	T
①	45° 00' 00"	45.00	35.34	18.64



- CONSTRUCTION NOTES**
- ① CONSTRUCT M.H. "AX" PER CITY OF RIV. STD. NO. 430
 - ② CONSTRUCT M.H. "JM" PER CITY OF RIV. STD. NO. 432
 - ③ CONSTRUCT J.S. 4 PER CITY OF RIV. STD. NO. 423
 - ④ CONSTRUCT C.B. PER CITY OF RIV. STD. NO. 405
 - ⑤ CONSTRUCT 18" R.C.P. (D-2000)
 - ⑥ CONSTRUCT 42" R.C.P. (D-1100)

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. Canty
 REGISTERED CIVIL ENGINEER NO. 17550
 EXPIRATION DATE 6-30-89 DATE: 3/8/88

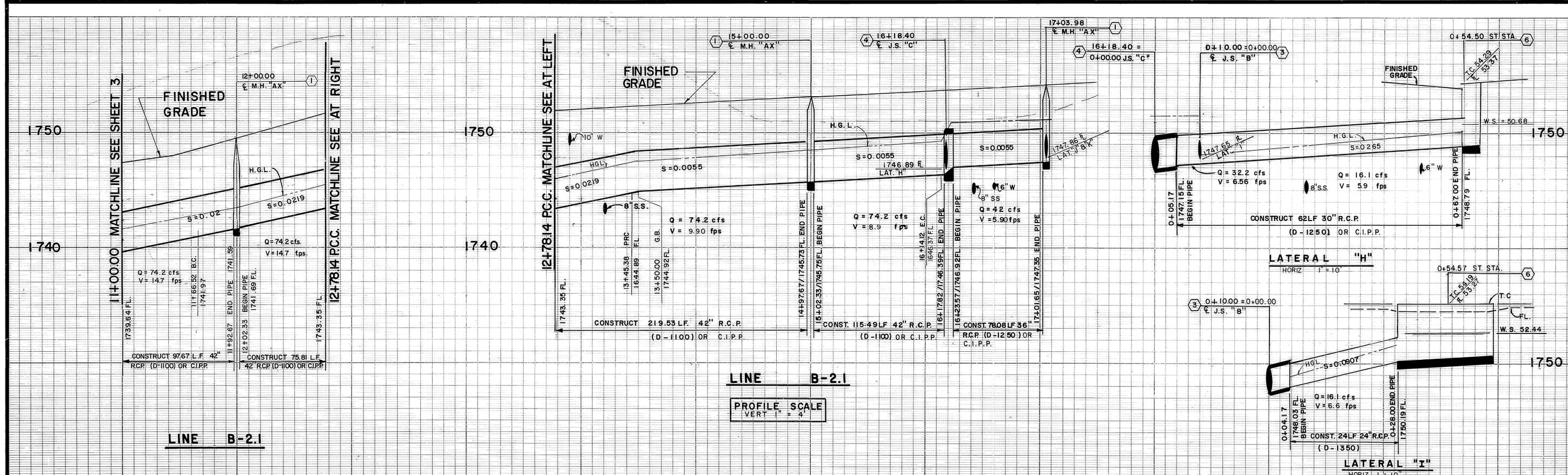
J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 RIVERSIDE, CA 92502 (714) 686-0844
 11200 SO. MT. VERNON AVE. #D COLTON, CA 92324 (714) 825-1082
 78-080 EL PASO, #103 PALM DESERT, CA 92260 (619) 346-5691
 SCALE: PLAN 1" = 40'
 DATE: MAY 1987
 BENCH MARK: V.B. 10-64 ELEV. 1700.670
 BRASS DISK FLUSH & MARKED V.B. 10-64, 0.6 M.I.E. ON VAN BUREN BLD. 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' BOULDERS.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY N.S. DRAWN BY T.F.E. CHECKED BY J.C.

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature]
 DATE: 5/14/88
 TRAFFIC DIVISION
 CHIEF P.W. ENGR.

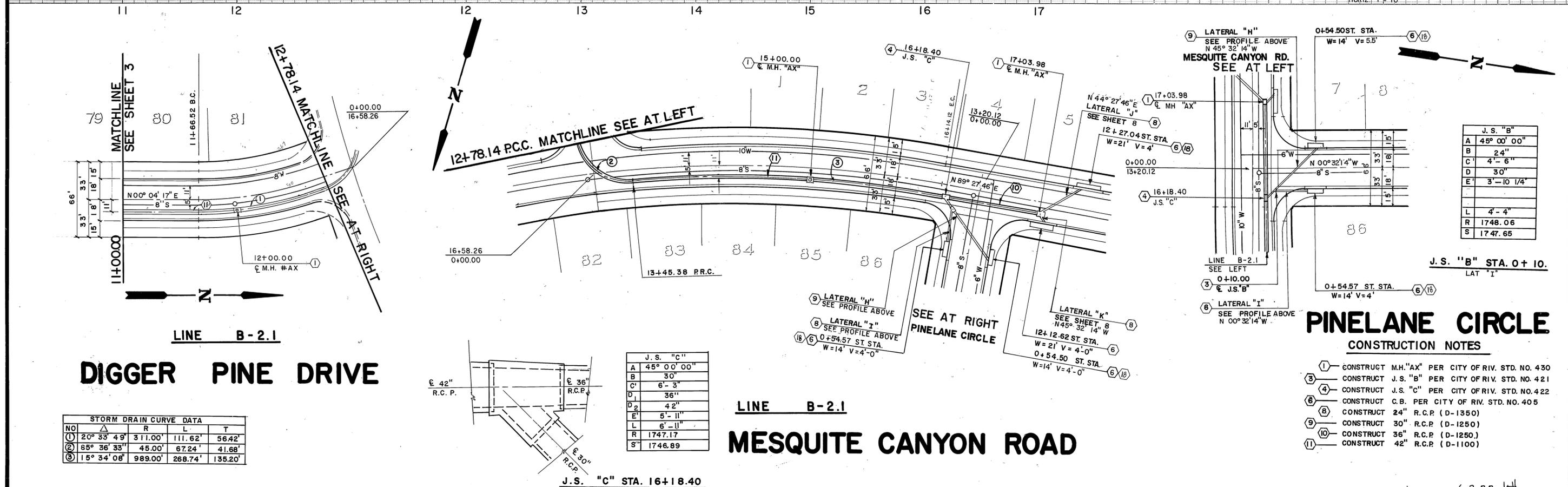
TRACT 21834
STORM DRAIN LINE B-2.1
 PROJECT NO. D-534
 SHEET 3 OF 8
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 FILE NO. 86-2643
 INDEXED 6-2-88 LH



LINE B-2.1

LINE B-2.1

PROFILE SCALE
VERT 1" = 4'



LINE B-2.1

LINE B-2.1

MESQUITE CANYON ROAD

DIGGER PINE DRIVE

STORM DRAIN CURVE DATA

NO	Δ	R	L	T
①	20° 33' 49"	311.00'	111.62'	56.42'
②	85° 36' 33"	45.00'	67.24'	41.68'
③	15° 34' 08"	989.00'	268.74'	135.20'

J.S. "C"

A	45° 00' 00"
B	30"
C	6'-3"
D	36"
E	4'-2"
F	5'-11"
L	6'-11"
R	1747.17
S	1746.89

PINELANE CIRCLE
CONSTRUCTION NOTES

- ① CONSTRUCT M.H. "AX" PER CITY OF RIV. STD. NO. 430
- ③ CONSTRUCT J.S. "B" PER CITY OF RIV. STD. NO. 421
- ④ CONSTRUCT J.S. "C" PER CITY OF RIV. STD. NO. 422
- ⑥ CONSTRUCT C.B. PER CITY OF RIV. STD. NO. 405
- ⑧ CONSTRUCT 24" R.C.P. (D-1350)
- ⑨ CONSTRUCT 30" R.C.P. (D-1250)
- ⑩ CONSTRUCT 36" R.C.P. (D-1250)
- ⑪ CONSTRUCT 42" R.C.P. (D-1100)

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 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. Curtis
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE 6-30-89 DATE: 3/6/88

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 RIVERSIDE, CA 92502 (714) 686-0844
11200 SO. MT. VERNON AVE. #D COOLTON, CA 92304 (714) 825-1082
73-080 EL PASO, #103 PALM DESERT, CA 92260 (619) 346-5691

SCALE: 1" = 40'
DATE: MAY 1987

BENCH MARK: V.B. 10-64 ELEV. 1700.670
BRASS DISK FLUSH & MARKED V.B. 10-64, 0.6 MI. E ON VAN BUREN BLD. 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' BOULDERS

MARK	REVISIONS	APPR.	DATE

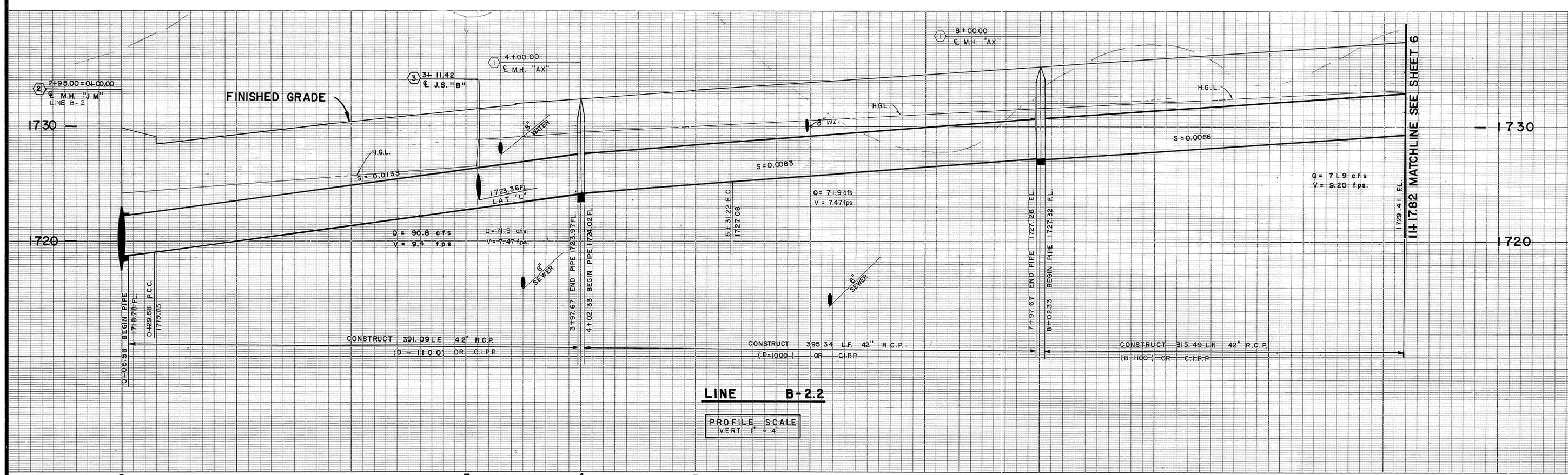
DESIGNED BY: NRS DRAWN BY: T.F.E. CHECKED BY: J.C.
FRED

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

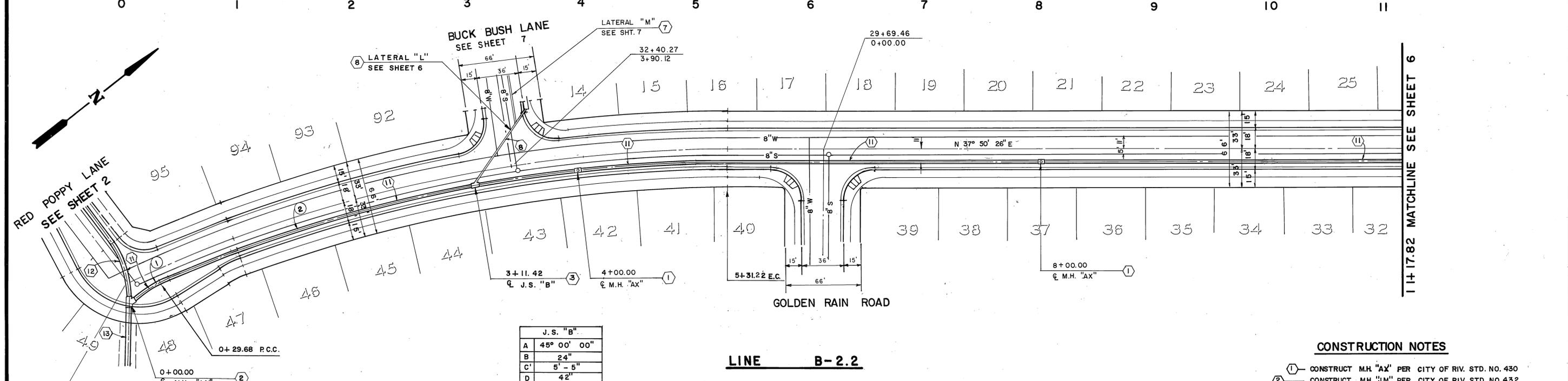
APPROVED BY: *Barry Bell*
DIRECTOR OF PUBLIC WORKS
DATE: 5/12/86

TRACT 21834
STORM DRAIN LINE B-2.1
INDEXED 6-2-BB 4H

PROJECT NO. D-534
SHEET 4 OF 8
FILE NO. 86-9643



LINE B-2.2
 PROFILE SCALE
 VERT 1" = 4'



J.S. "B"	
A	45° 00' 00"
B	24'
C'	5' - 5"
D	42"
E	4' - 6"
L	4' - 2"
R	1723.69
S	1723.36

J.S. "B" STA. 3+11.42
 LAT. "L"

MESA OAK DRIVE

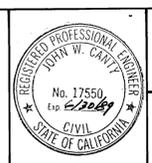
CONSTRUCTION NOTES

- ① CONSTRUCT M.H. "AX" PER CITY OF RIV. STD. NO. 430
- ② CONSTRUCT M.H. "JM" PER CITY OF RIV. STD. NO. 432
- ③ CONSTRUCT J.S. "B" PER CITY OF RIV. STD. NO. 421
- ④ CONSTRUCT 24" R.C.P. (D-1350)
- ⑤ CONSTRUCT 42" R.C.P. (D-1100)

STORM DRAIN CURVE DATA			
NO	Δ	R	T
①	18° 53' 34"	90.00'	14.97'
②	23° 58' 01"	1199.00'	254.49'

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. Carthy
 REGISTERED CIVIL ENGINEER NO. 17550
 EXPIRATION DATE: 6-30-89 DATE: 3/28/88

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 RIVERIDGE, CA 92502 (714) 686-0944
 11200 SO. MT. VERNON AVE. #D COOLTON, CA 92324 (714) 825-1082
 73-080 EL PASO, #103 PALM DESERT, CA 92260 (619) 346-5691

SCALE: PLAN - 1" = 40'
 DATE: MAY 1987

BENCH MARK: V.B. 10-64 ELEV. 1700.670
 BRASS DISK FLUSH & MARKED V.B. 10-64, 0.6 MI. E ON VAN BUREN BLD. 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' BOULDERS.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: N.S. DRAWN BY: T.F.E. CHECKED BY: J.C.

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

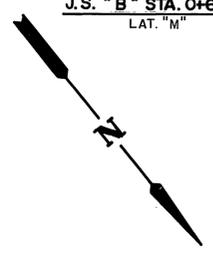
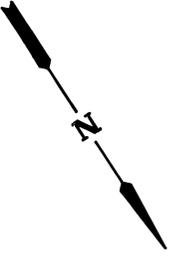
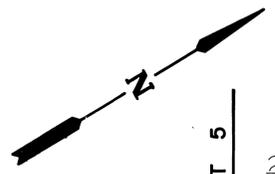
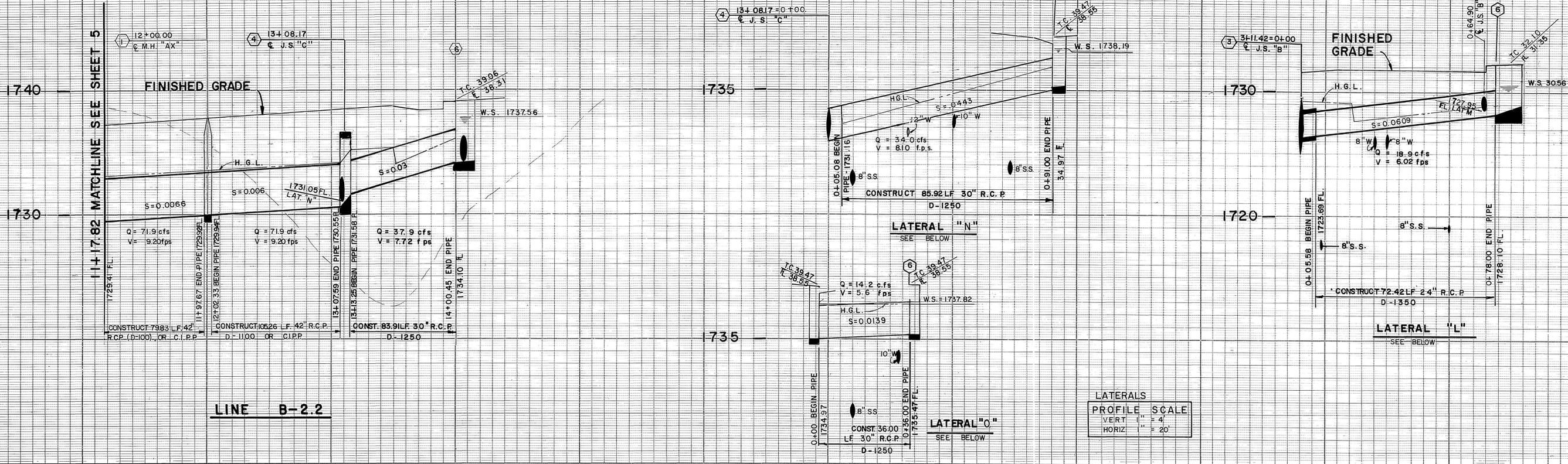
APPROVED BY: *[Signature]* DATE: 5/18/88
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR.

TRACT 21834
STORM DRAIN
 LINE B-2.2

PROJECT NO. **D-534**
 SHEET 5 OF 8
 FILE NO. 86-9643

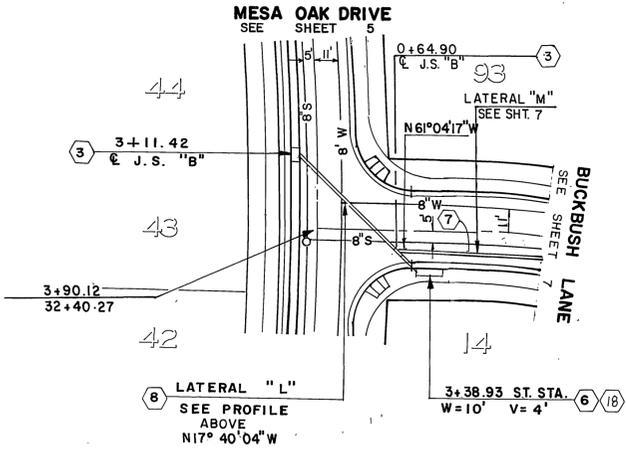
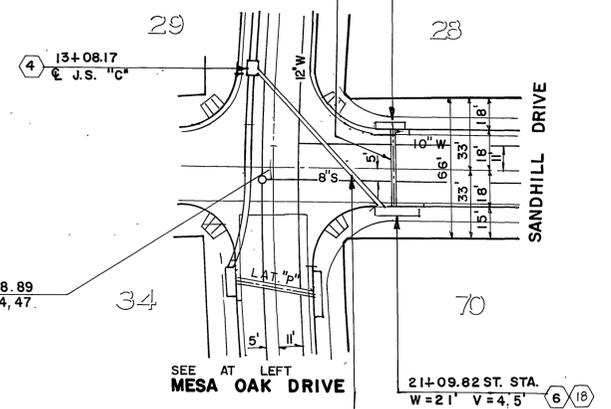
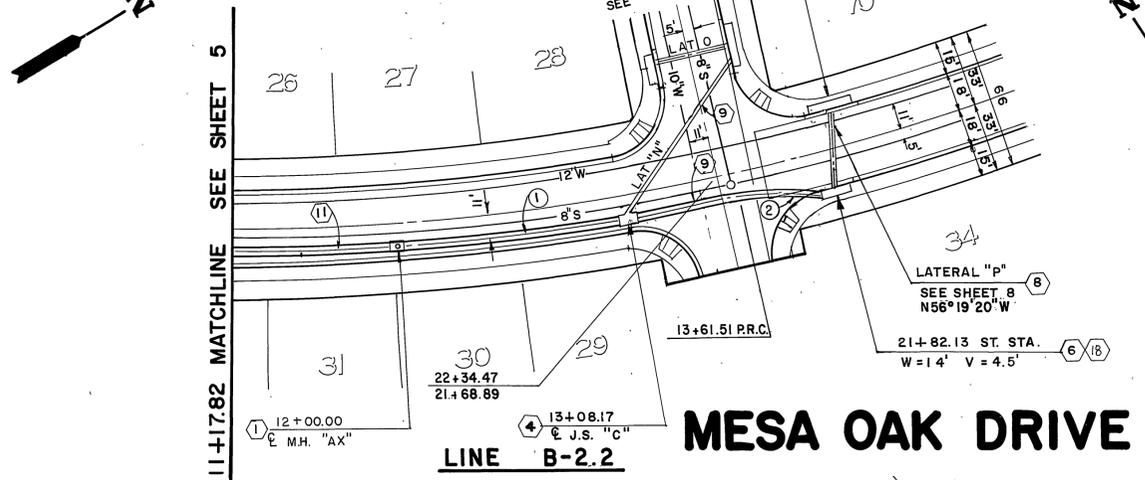
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

INDEXED 6-2-88 4H



J.S. "B"	
A	43° 24' 13"
B	18"
C	3'-8"
D	24"
E	3'-2"
L	3'-2 1/2"
R	1727.95
S	1727.73

J.S. "B" STA. 0+64.90
LAT. "M"



STORM DRAIN CURVE DATA			
NO	Δ	R	T
①	13° 56' 54"	100.0'	122.45'
②	24° 47' 31"	90.00'	19.78'

J.S. "C"	
A	45° 00' 00"
B	30"
C	6'-3"
D	30"
D2	42"
E	5'-11"
L	6'-11"
R	1731.16
S	1731.05

J.S. "B"	
A	45° 00' 00"
B	24"
C	5'-5"
D	4-2"
E	4'-6"
L	4'-2"
R	1723.69
S	1723.36

CONSTRUCTION NOTES

- ① CONSTRUCT M.H. "AX" PER CITY OF RIV STD NO. 430
- ③ CONSTRUCT J.S. "B" PER CITY OF RIV. STD. NO. 421
- ④ CONSTRUCT J.S. "C" PER CITY OF RIV. STD. NO. 422
- ⑥ CONSTRUCT C.B. PER CITY OF RIV. STD. NO. 405
- ⑦ CONSTRUCT 18" R.C.P (D-2000)
- ⑧ CONSTRUCT 24" R.C.P (D-1350)
- ⑨ CONSTRUCT 30" R.C.P (D-1250)
- ⑪ CONSTRUCT 42" R.C.P (D-1100)

Underground Service Alert
Call: TOLL FREE
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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:
J.F. Davidson
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE: 6-30-89 DATE: 3/2/88

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

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

SCALE: PLAN 1" = 40'
DATE: MAY 1987

BENCH MARK: V.B. 10-64 ELEV. 1700.670
BRASS DISK FLUSH & MARKED V.B. 10-64, 0.6 MI. E. ON VAN BUREN BLD. 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' BOULDERS.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: N.S. DRAWN BY: T.F.E. CHECKED BY: J.C.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

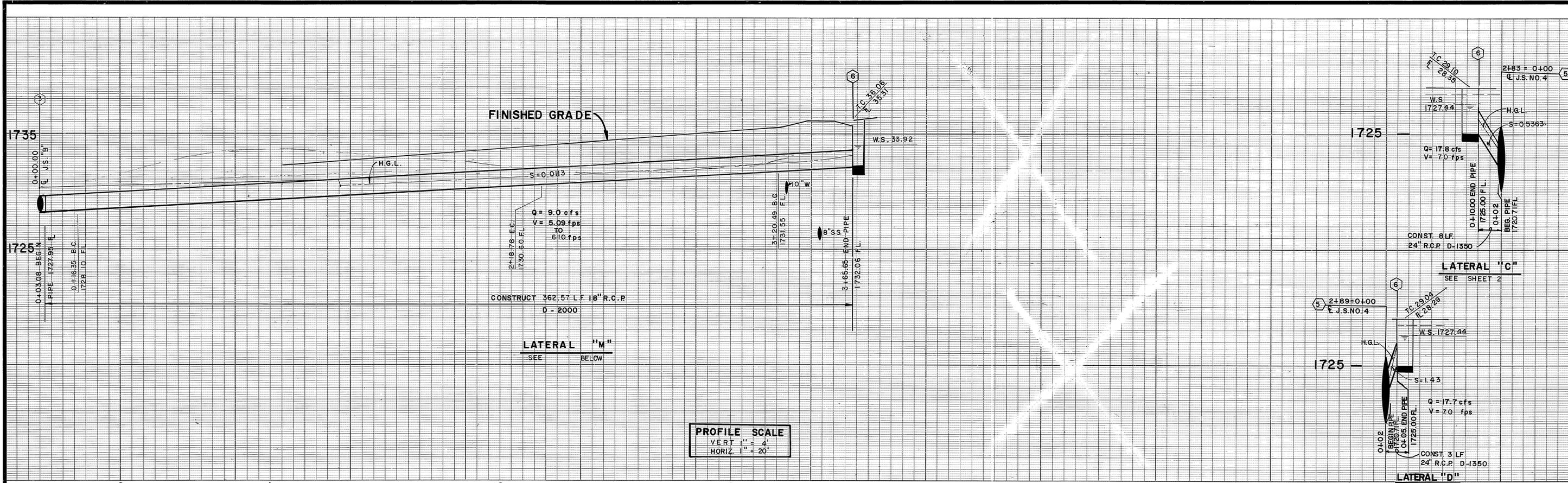
APPROVED BY: [Signature] DATE: 5/18/88
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CHIEF P.W. ENGR.

TRACT 21834
STORM DRAIN
LINE B-2.2
LATERALS L, N, O

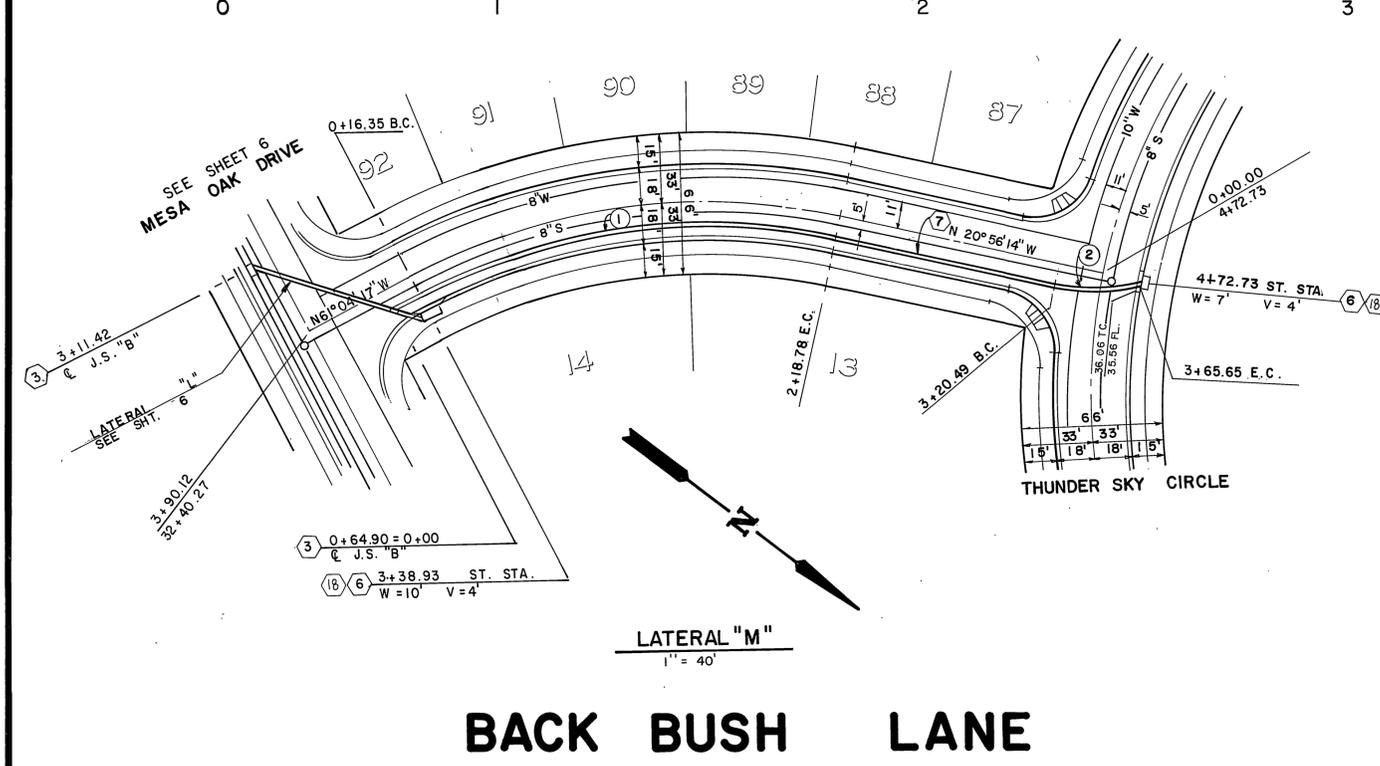
PROJECT NO. D-534
SHEET 5 OF 8
FILE NO. 86-9643

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

INDEXED 6-2-88 4th



PROFILE SCALE
 VERT 1" = 4'
 HORIZ 1" = 20'



BACK BUSH LANE

NO	Δ	R	L	T
①	40° 08' 03"	289.00'	202.43'	105.57'
②	28° 37' 28"	90.00'	44.96'	22.96'

CONSTRUCTION NOTES

- ④ CONSTRUCT J.S. "C" PER CITY OF RIV. STD. NO. 422
- ⑤ CONSTRUCT C.B. PER CITY OF RIV. STD. NO. 405
- ⑦ CONSTRUCT 18" R.C.P. (D-2000)
- ⑧ CONSTRUCT 24" R.C.P. (D-1350)

INDEXED 6-2-88 4H

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PREPARED UNDER THE DIRECTION OF:
John W. Canty
 REGISTERED CIVIL ENGINEER NO. 17550
 EXPIRATION DATE: 6-30-89 DATE: 3/18/88

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) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: PLAN 1" = 40'
 DATE: MAY 1987

BENCH MARK: V.B. 10-64 ELEV. 1700.670
 BRASS DISK FLUSH & MARKED V.B. 10-64, 0.6 MI. E ON VAN BUREN BLD. 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' BOULDERS.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: N.S. DRAWN BY: T.F.E. CHECKED BY: T.C.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *[Signature]* DATE: 5/18/88
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR.

TRACT 21834

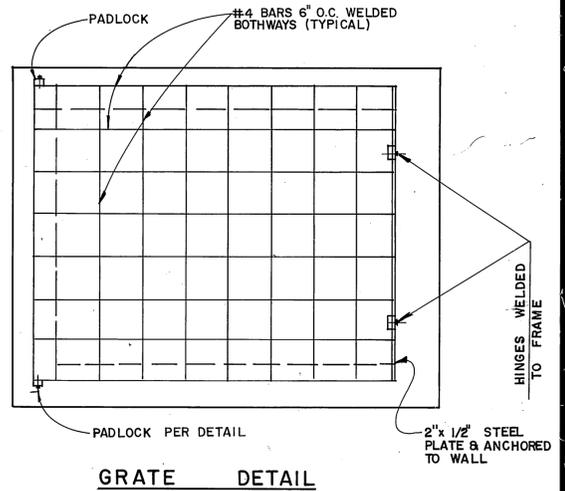
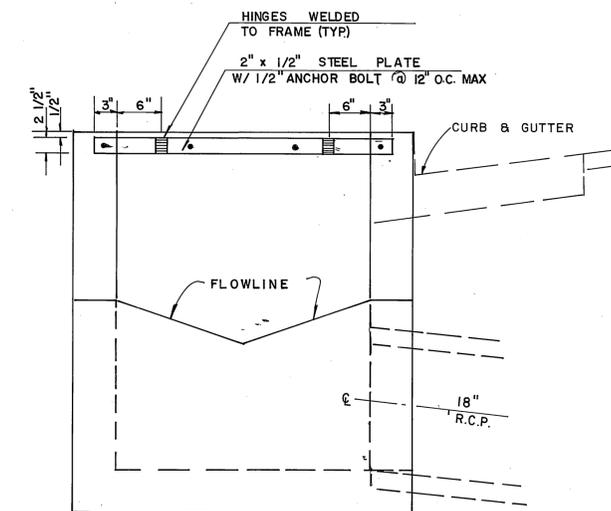
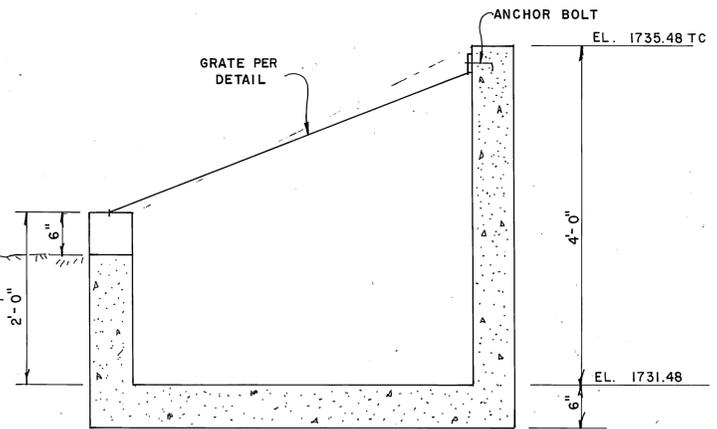
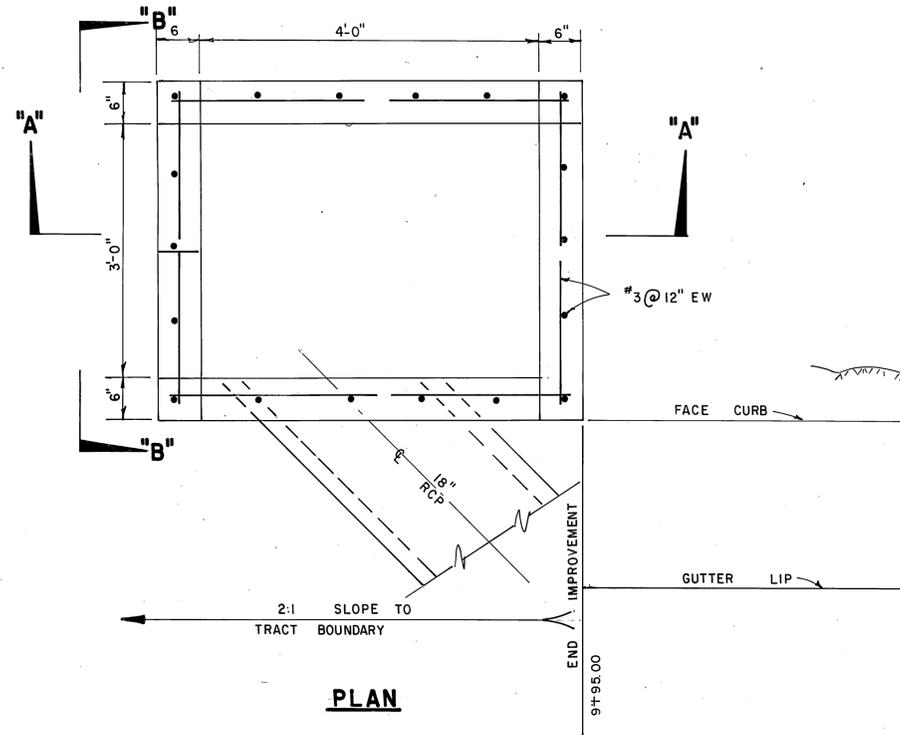
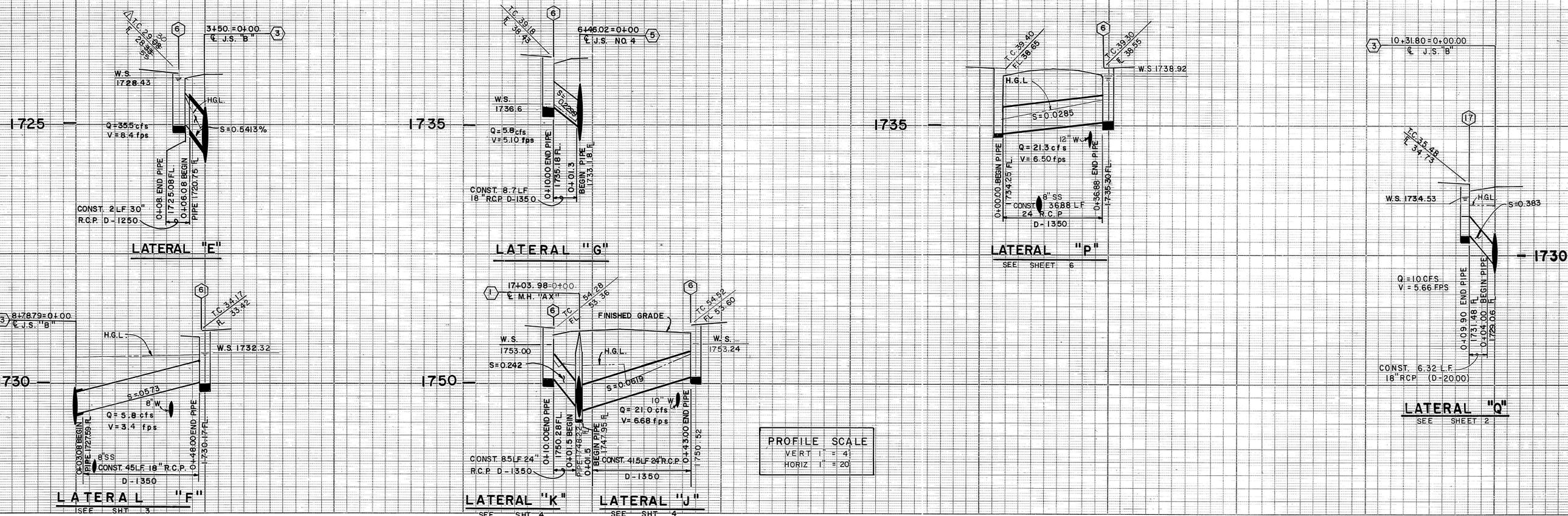
STORM DRAIN LATERALS

HORIZ. SCALE: AS SHOWN VERT. SCALE: 1" = 4'

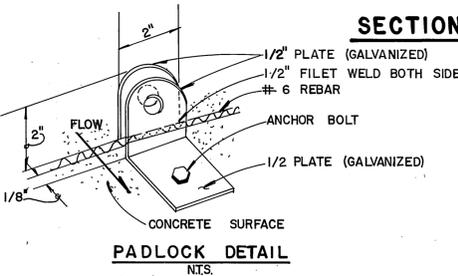
PROJECT NO. **D-534**

SHEET **7** OF **8**

FILE NO. **86-9643**



SECTION "A-A"
CATCH BASIN ST. STA. 9+97.50
1" = 1'-0"



- CONSTRUCTION NOTES**
- ① CONSTRUCT M.H. "A" X PER CITY OF RIV. STD. NO. 430
 - ② CONSTRUCT J.S. "B" PER CITY OF RIV. STD. NO. 421
 - ③ CONSTRUCT J.S. 4 PER CITY OF RIV. STD. NO. 423
 - ④ CONSTRUCT C.B. PER CITY OF RIV. STD. NO. 405
 - ⑤ CONSTRUCT 24" R.C.P. (D-1350)
 - ⑥ CONSTRUCT 30" R.C.P. (D-1250)
 - ⑦ CONSTRUCT C.B. PER DETAIL SHT. 8

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PREPARED UNDER THE DIRECTION OF:
John W. Carthy
REGISTERED CIVIL ENGINEER NO. 17550
EXPIRATION DATE 6-30-89 DATE: 3/8/88

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

SCALE: PLAN 1" = 40'
DATE: MAY 19 87

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J.F.D. ASSOCIATES

DESIGNED BY: N.S. DRAWN BY: T.F.E. CHECKED BY: J.C.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature] DATE: 5/18/89
TRAFFIC DIVISION
CHIEF P.W. ENGR.

TRACT 21834
STORM DRAIN LATERALS

PROJECT NO. D-534
SHEET 3 OF 3
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'
FILE NO. 86-9643

INDEXED 6-2-88 LH