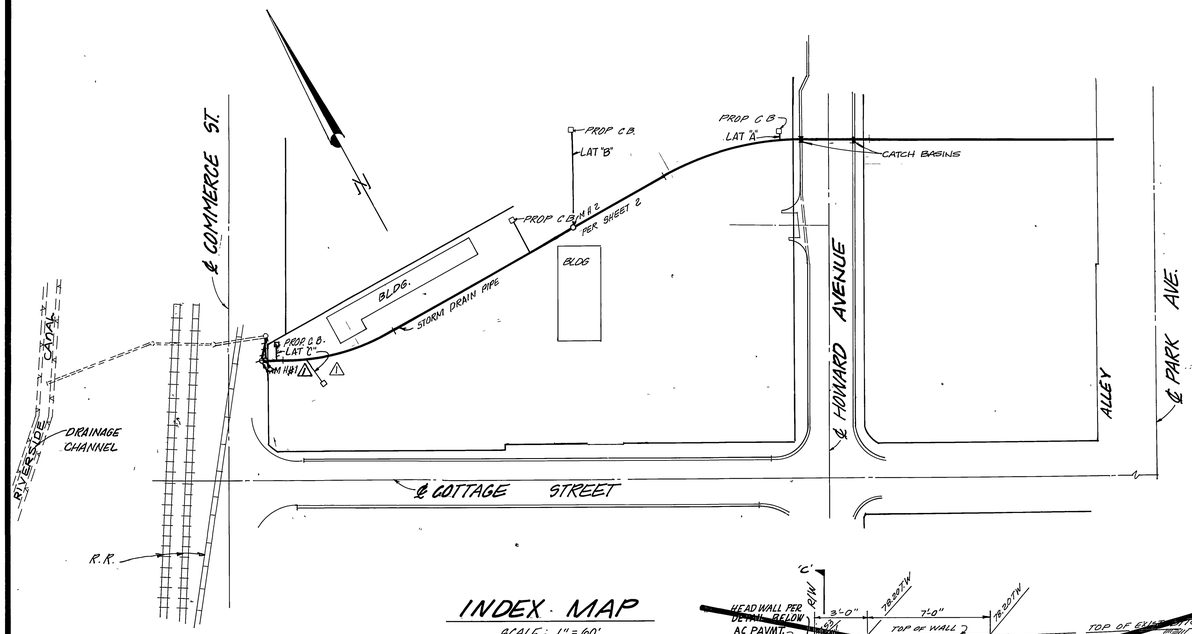
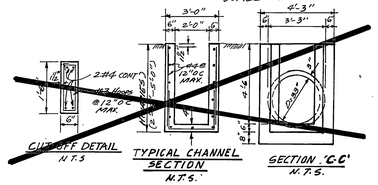
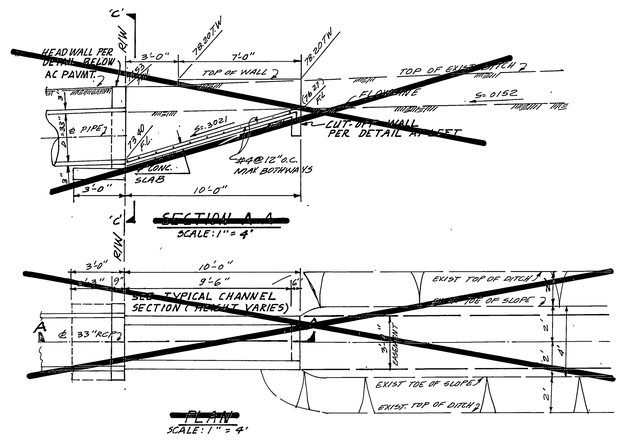
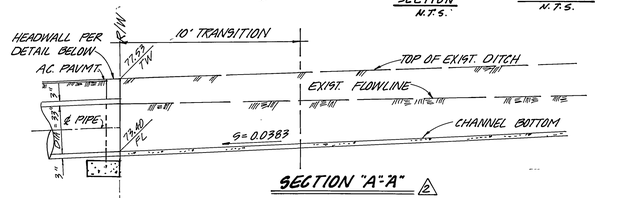


INDEX MAP

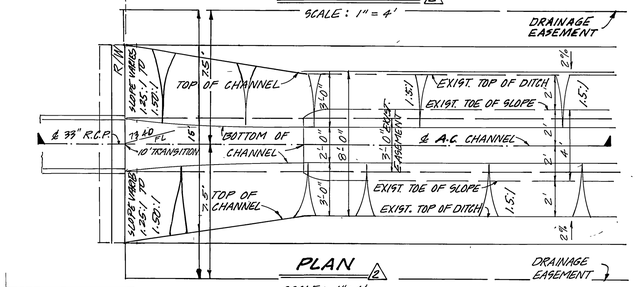
SCALE: 1" = 60'



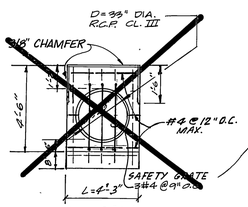




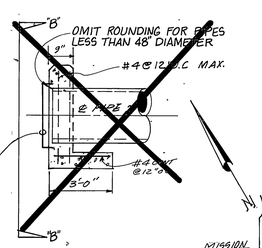
SECTION "A"-"A"
SCALE: 1" = 4'

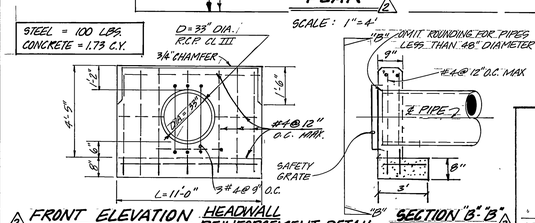


PLAN
SCALE: 1" = 4'



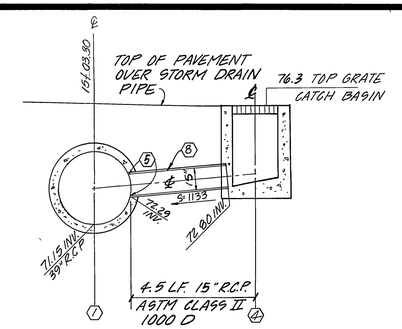
SECTION "B"-"B"
SECTION "C-C"



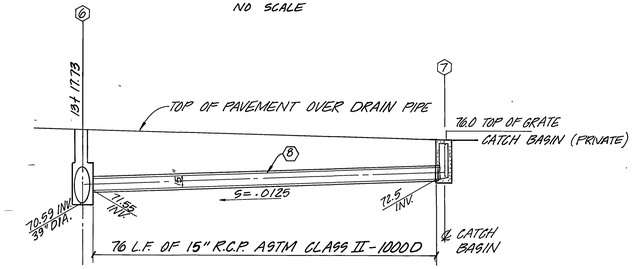


FRONT ELEVATION HEADWALL REINFORCEMENT DETAIL
N.T.S.

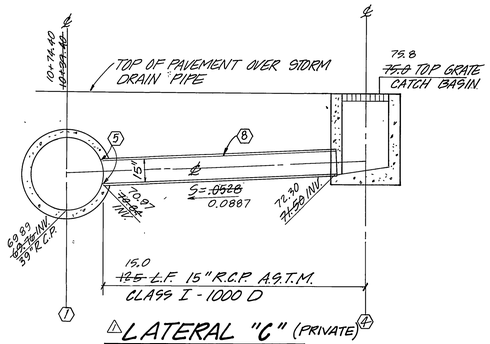
SECTION "B"-"B"
N.T.S.



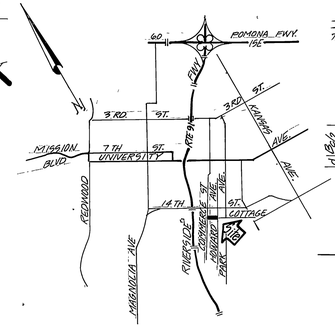
LATERAL "A" (PRIVATE)
NO SCALE



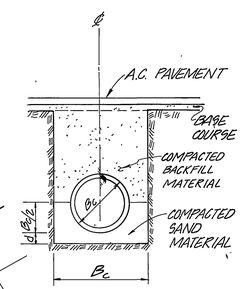
LATERAL "B" (PRIVATE)
NO SCALE



LATERAL "C" (PRIVATE)
NO SCALE



VICINITY MAP
NO SCALE



TYPE 'B' PIPE BEDDING DETAIL
NO SCALE

PIPE DATA

D	d	Bc (MIN)
21"	3"	2'-3"
33"	4"	3'-6"
36"		3'-9"
39"		4'-2"

GENERAL NOTES

1. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIV., DEPT OF PUBLIC WORKS, STD. DWGS. & SPECS FOR PUBLIC WORKS, CONSTRUCTION, 1985 EDITION.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE R/W IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES, AND AT NO COST TO THE CITY.
4. NOTICE TO CONTRACTOR: THE EXISTENCE & 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 & ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
5. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY & ACCEPTABILITY HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION THE PRIVATE ENGINEER SIGNING THESE PLANS SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION & REVISING THE PLANS FOR APPROVAL BY THE CITY.
6. 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.
7. THE PRIVATE ENGINEER PREPARING THESE PLANS SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
8. ALL EMBANKMENT FILL SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DRY DENSITY AND SHALL BE OF AN APPROVED QUALITY.
9. DEVELOPER TO GIVE CITY WATER DIVISION FIVE (5) WORKING DAYS WRITTEN NOTICE PRIOR TO START OF CONSTRUCTION AND TO ALLOW CITY TEN (10) WORKING DAYS FOR COMPLETION OF WORK (787-7611).
10. ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTOR.

CONSTRUCTION NOTES

1. CONSTRUCT REINFORCED CONCRETE PIPE ASTM CLASS III - 1350 D, SIZES AS SHOWN IN PLAN.
2. CONSTRUCT PIPE BEDDING PER DETAIL SHOWN.
3. CONSTRUCT CONCRETE HEADWALL AND CHANNEL STRUCTURE PER DETAIL SHOWN.
4. CONSTRUCT GRATE INLET CATCH BASIN PER DETAIL SHOWN ON GRADING PLAN (PRIVATE).
5. CONSTRUCT JUNCTION STRUCTURE NO. 4 PER CITY OF RIVERSIDE STD. DWG. NO. 423 CASE 1.
6. CONSTRUCT STORM DRAIN MANHOLE AX PER CITY OF RIVERSIDE STD DWG. NO. 430.
7. CONSTRUCT CURB INLET CATCH BASIN PER CITY RIVERSIDE STD DWG. NO. 405. REMOVE EXISTING CATCH BASIN. W = 4'-0" V = 5'-0"
8. CONSTRUCT 15" DIA. RCP STORM DRAIN LATERAL ASTM CLASS I-1000 D
9. CONSTRUCT CLEANOUT BOX PER CITY OF RIVERSIDE STD. 425, V=3'-3", AND GRATE COVER PER ALHAMBRA FOUNDRY A 2012 OR APPROVED EQUAL.
10. RECONSTRUCT INLET OF EXISTING 12" RCP AND 15" CMP PER NEW FLOWLINE ELEVATION SHOWN. REMOVE EXISTING CATCH BASIN.
11. CONSTRUCT CONCRETE COLLAR PER CITY OF RIVERSIDE STD. DWG. NO. 424.
12. CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD 406 MODIFIED AND DETAIL ON SHEET 2. W=6'-5", V=4'-4" (C-5)

CITY OF RIVERSIDE WATER SYSTEM
APPROVED 3-25-85 DATE

PACIFIC TELEPHONE
APPROVED BY: 2-5-85
CHIEF ENGINEER DATE

CITY OF RIVERSIDE
ELECTRICAL DEPT.
DATE

SO. CAL. GAS CO.
2-22-85
DATE

PREPARED UNDER THE SUPERVISION:
REGISTERED CIVIL ENGINEER NUMBER 14312
DATE: 11/16/84

J. F. DAVIDSON ASSOCIATES
CIVIL ENGINEERS • SURVEYORS • PLANNERS
3426 TENTH STREET, RIVERSIDE, CAL. — 11200 S. MT. VERNON AVE., COLTON, CAL.

SCALE: AS SHOWN
DATE NOV 1984

BENCH MARK: USC & GS BM. A BRASS DISC, 27' S.E. OF THE S'LY. COR. SANTA FE R.R. STATION
ELEVATION = 877.30'

MARK	REVISIONS	APPR.	DATE
2	REVISED HEADWALL DETAIL & NOTES		
1	REVISED M.H. #1, CATCH BASIN AND LATERAL "C" LOCATION M.M. 7-22-86		

DESIGNED BY N.M.M. DRAWN BY C.M.F. CHECKED BY M.M.

*As built 11/86 JE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P. W. ENGR.		

APPROVED BY: DIRECTOR OF PUBLIC WORKS
DATE 1/8/85

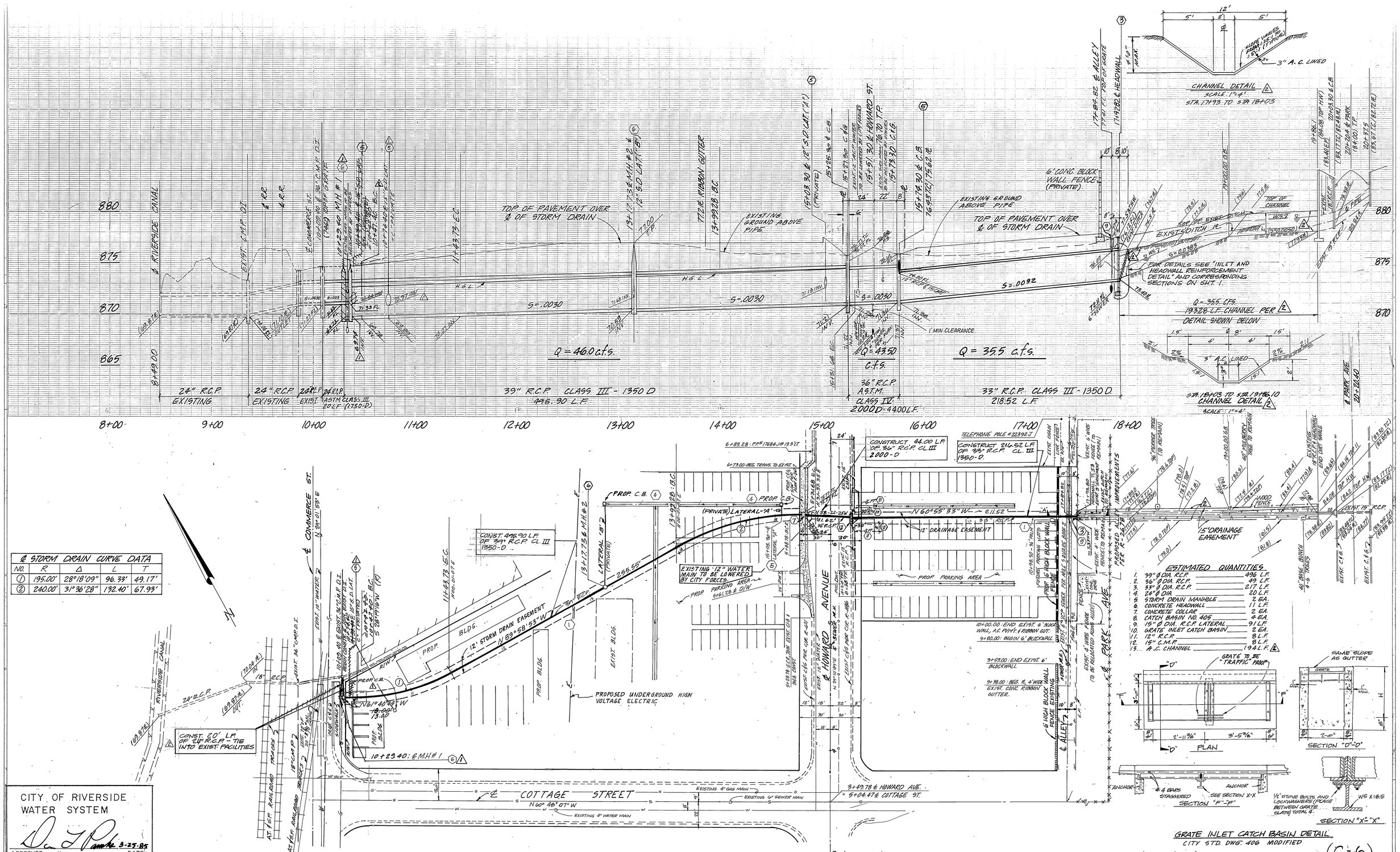
STORM DRAIN PLAN
SOUTHERN CALIFORNIA GAS COMPANY

EASEMENT LINE — FROM ALLEY BETWEEN 14TH AND COTTAGE STREET TO COMMERCE STREET. R-19-845-50, AND BUILDING. PERMIT 4496 HOWARD AVENUE.

SCALE: AS SHOWN

PROJECT NO. D-468
SHEET 1 OF 2
FILE NO. 84-8367(M)

1-7-85



CITY OF RIVERSIDE WATER SYSTEM

APPROVED DATE 3-25-85

PACIFIC TELEPHONE

APPROVED BY:

CHIEF ENGINEER 2-5-85 DATE

CITY OF RIVERSIDE

ELECTRICAL DEPT.

2/26/85 DATE

SO. CAL. GAS CO.

2-22-85 DATE

PREPARED UNDER THE SUPERVISION:

REGISTERED CIVIL ENGINEER NUMBER 14312

DATE: 11/16/84

J. F. DAVIDSON ASSOCIATES

CIVIL ENGINEERS o SURVEYORS o PLANNERS

3426 TENTH STREET RIVERSIDE, CAL. 11200 S. MT. VERNON AVE. COLTON, CAL.

SCALE: AS SHOWN

DATE NOV. 84

BENCH MARK: U.S.G.S. & G.S. B.M. A BRASS DISC. 27' S.E. OF THE S'LY. COR. SANTA FE RR. STATION, ELEVATION = 877.30'

MARK	REVISIONS	APPR.	DATE
2	ADDED CHANNEL STRUCTURE 10.M8/86 K		
1	REVISED M.H.#1, CATCH BASIN AND LATERAL "C" LOCATION M.M. 7/23/85	VMM	8/26/85

DESIGNED BY N.M.M DRAWN BY C.M.F. CHECKED BY M.M.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	—	—
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF P. W. ENGR.	WS	4-3
	WS	4/3/85

APPROVED BY DIRECTOR OF PUBLIC WORKS

DATE 4/3/85

STORM DRAIN PLAN AND PROFILE

SOUTHERN CALIFORNIA GAS COMPANY

EASEMENT LINE - FROM ALLEY BETWEEN 14TH. AND COTTAGE STREET TO COMMERCE STREET. R-19-845 AND BUILDING. PERMIT 4485 HOWARD AVE.

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

PROJECT NO. D-468

SHEET 2 OF 2

FILE NO. 84-8367(M)

1-7-85