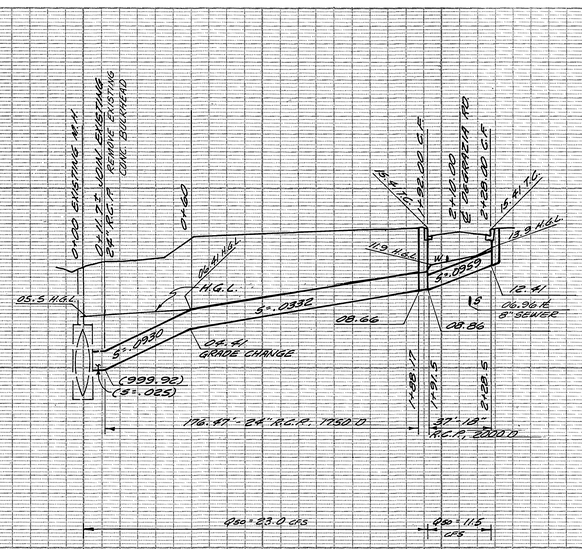
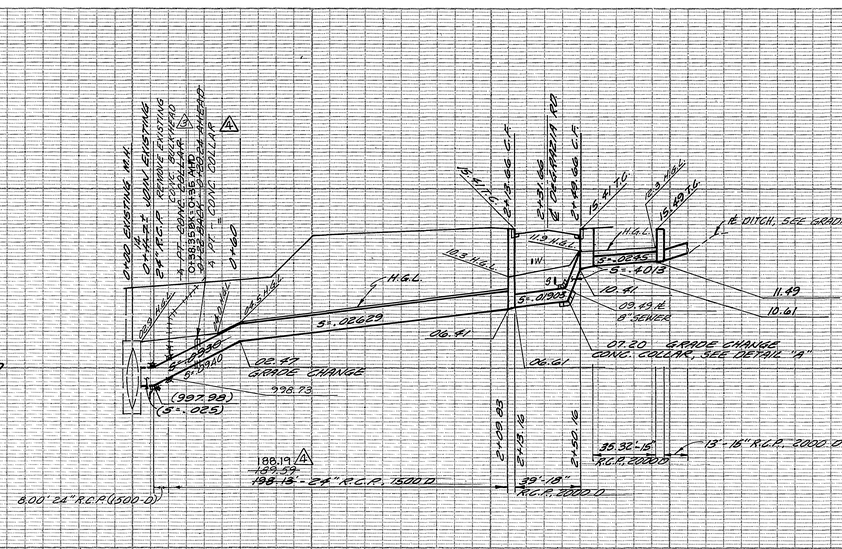
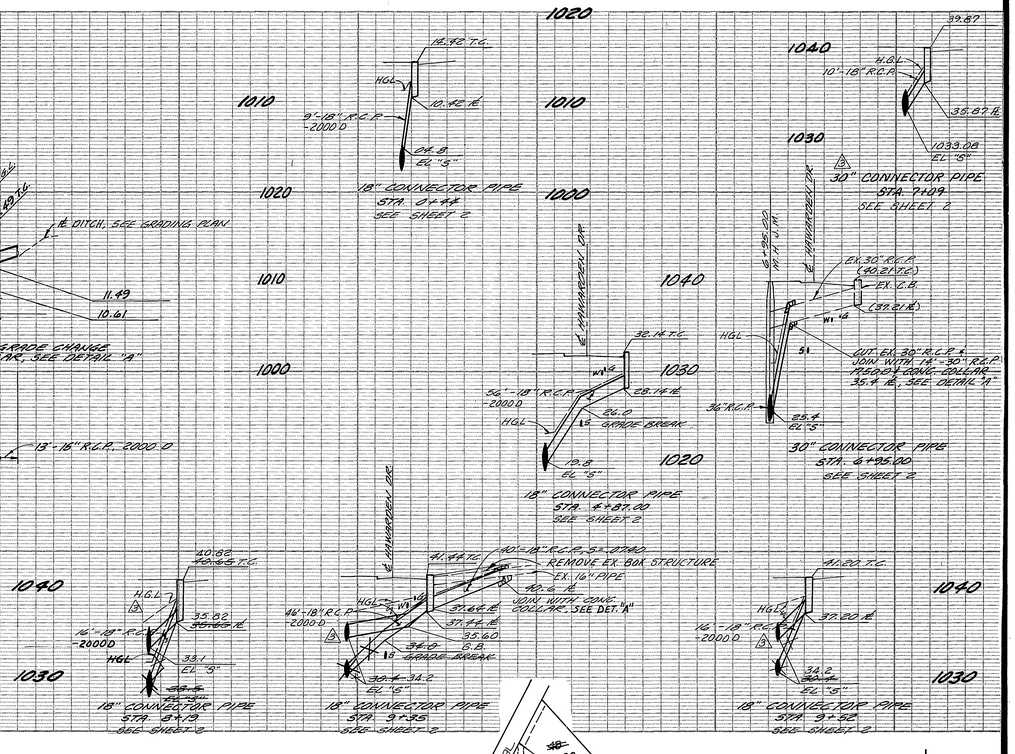
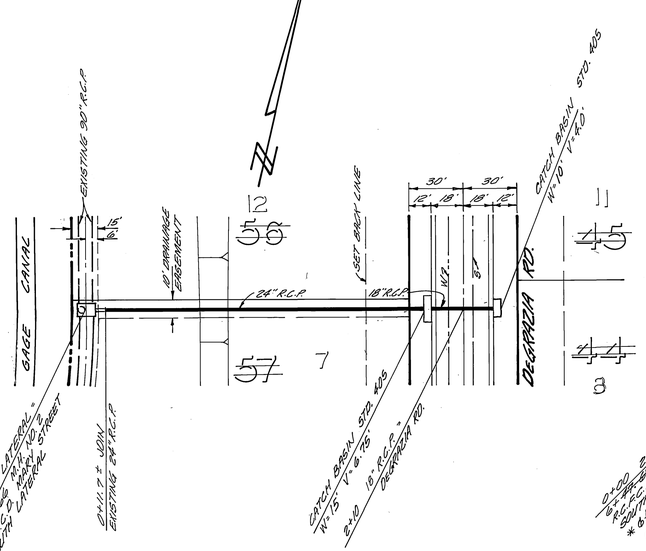


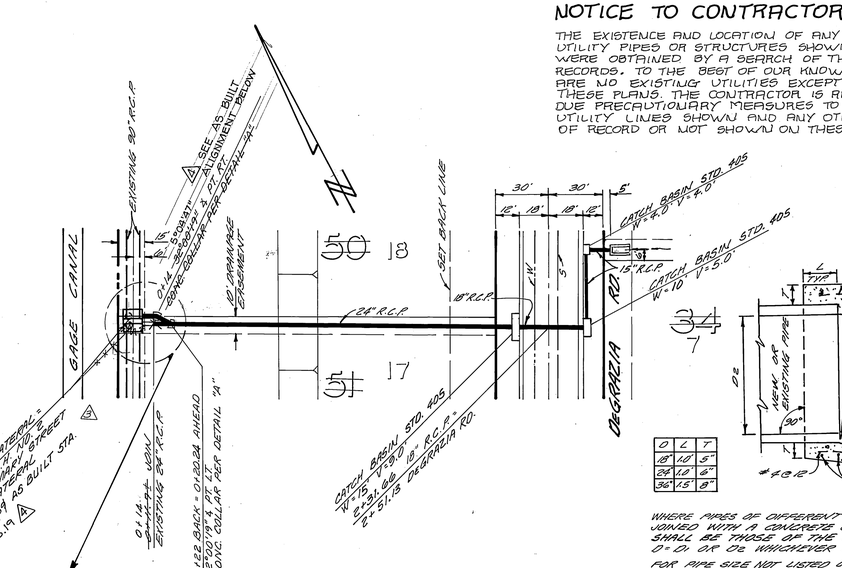


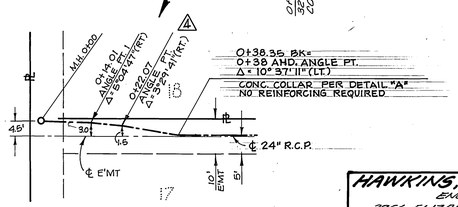


NOTICE TO CONTRACTOR

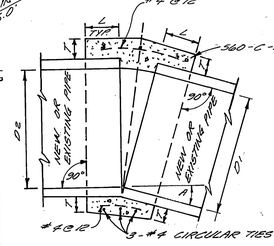
THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.







AS BUILT ALIGNMENT OF △4 24" R.C.P. STORM DRAIN



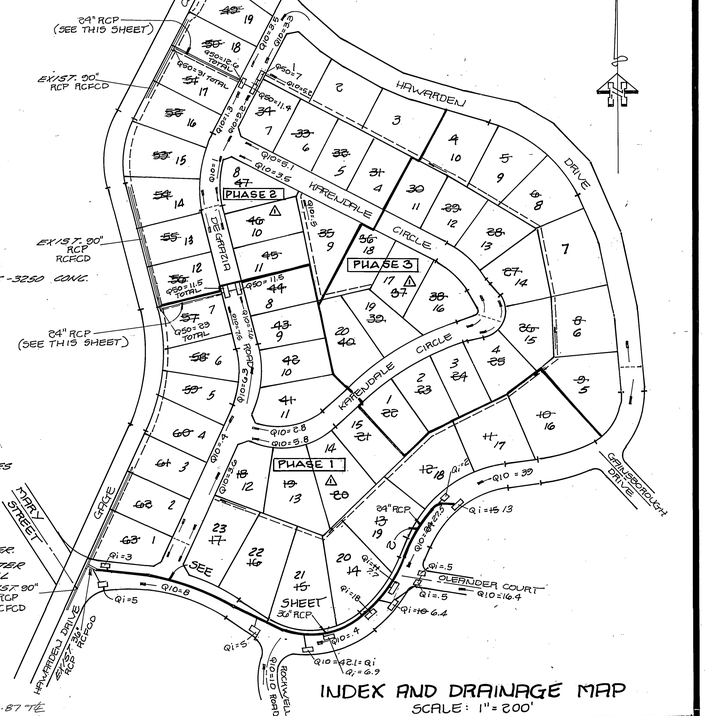
O	L	T
18"	1.0	5"
24"	1.0	6"
36"	1.5	8"

WHERE PIPES OF DIFFERENT DIAMETERS ARE JOINED WITH A CONCRETE COLLAR, L AND T SHALL BE THOSE OF THE LARGER PIPE. O = D OR D₂ WHICHEVER IS GREATER.

FOR PIPE SIZE NOT LISTED USE NEXT SIZE LARGER.

WHERE REINFORCING IS REQUIRED THE DIAMETER OF THE CIRCULAR TIES SHALL BE O + (2 x WALL THICKNESS) + 8".

DETAIL "A"



INDEX AND DRAINAGE MAP
SCALE: 1" = 200'

GENERAL NOTES

CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1973 EDITION.

DEVELOPER TO GIVE RCFC 5 DAYS WRITTEN NOTICE PRIOR TO STARTING WORK ON STORM DRAIN.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY FOR 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.

HAWKINS, ROBERTSON & ASSOC.
ENGINEERS · SURVEYORS
3756 ELIZABETH ST. RIVERSIDE, CALIF.
Dale B. Hawkins 7-31-81
R.C.E. 17055 DATE

BENCH MARK: F.D. BRASS DISC STAMPED (U.S.A.) CASHED IN INT. VICTORIA AVE. & WASHINGTON ST. ELEV. 735.13 ELEV. 827.939

MARK	REVISIONS	APPR.	DATE
△1	ADD AS BUILT ALIGN. LAT. BET. L016 178.18	WHL	9/11/86
△2	ADDED C.P. PROFILE @ STA. 7+09.67	WHL	2/10/87
△3	REVISED CONNECTOR PIPE GRADES	WHL	11/9/87
△4	CHANGED LOT NUMBERS 5,6,10, 11	WHL	11/9/87
△5	PHASED PLANS FOR CONSTRUCTION	WHL	6-23-88

DESIGNED BY D.B.H. DRAWN BY R.L.E. CHECKED BY E. Proctor

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF PUB. WKS. ENGR.		

APPROVED BY [signature]
DIRECTOR OF PUBLIC WORKS
DATE 8/26/82

TRACT 10005
STORM DRAIN PLAN
DEGRAZIA ROAD
10' DRAINAGE EASEMENTS

SCALE: HORIZ. : 1"=40' VERT. : 1"=8'

ACCOUNT No.
DRAWING NUMBER
0-407
SHEET 1 OF 2
FILE NO. 3137-A

△4 As built 6-11-87 TE

	CURVE DATA			
	DELTA	RADIUS	TANGENT	LENGTH
A	24°50'11"	513.94'	113.17'	222.79'
B	74°12'10"	212.00'	160.34'	274.56'
C	23°56'10"	477.00'	101.11'	199.27'
D	15°03'30"	333.00'	44.01'	87.52'
E	65°00'00"	22.50'	14.33'	25.53'

SOUTHERN CALIFORNIA GAS CO. APP'D BY [signature] 11/5/81 DATE

PACIFIC TELEPHONE APP'D BY [signature] 11/19/81 DATE

HAWKINS, ROBERTSON & ASSOC.
ENGINEERS · SURVEYORS
3756 ELIZABETH ST. RIVERSIDE, CALIF.
Dale G. Gladding 7/31/81
R.C.E. 17055 DATE

BENCH MARK: FD. BRASS DISC STAMPED (F6-A) CAPPED @ INT. VICTORIA AVE. & WASHINGTON ST. F.B. 735/3 EL. 927.999

MARK	REVISIONS	APPR.	DATE
3	Rev. S.D. 11+78 to 12+25.32 Due to Util. Interference D.G.G. 3-11-86	KLW	3/12/86
2	ADDED NOTE AT JOIN EXIST. ℄ D.G.G. 1-30-86; REVISED S.D. GRADES, ADDED C.B.	KLW	2/10/86
1	REVISED LOT NUMBERS CER 7-16-85	KLW	7/19/85

DESIGNED BY D.G.G. DRAWN BY R.J.R. CHECKED BY F. Proctor

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF PUB. WKS. ENGR.		12-28-81

APPROVED BY [signature]
DIRECTOR OF PUBLIC WORKS
DATE 9/28/82

TRACT 10005
STORM DRAIN PLAN
HAWARDEN DRIVE

SCALE: HORIZ. = 1" = 40' VERT. = 1" = 8'

ACCOUNT No.
DRAWING NUMBER D-407
SHEET 2 OF 2
FILE NO. 3137-A