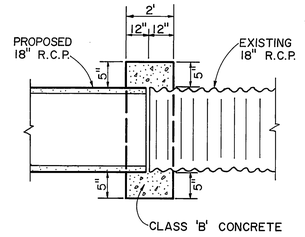
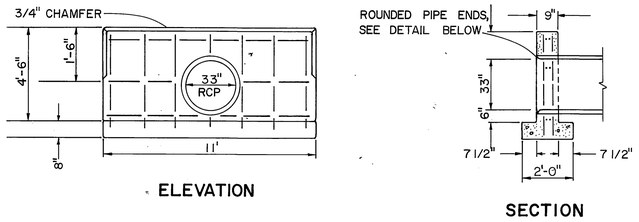


DETAIL: PIPE COLLAR

N.T.S



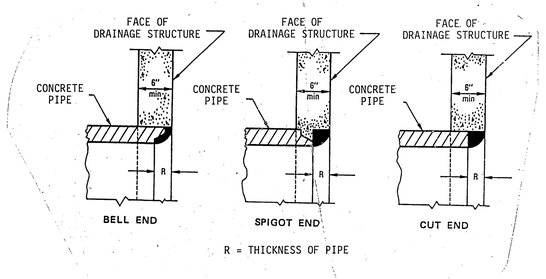
ELEVATION

SECTION

NOTES:
1. CONCRETE SHALL BE 560-C-3250.
2. ALL REINFORCING STEEL #4 BARS. ALL VERTICAL AND HORIZONTAL TIE BARS 18" MAXIMUM SPACING.

DETAIL: STRAIGHT HEADWALL @ STATION 12+45.77

N.T.S.

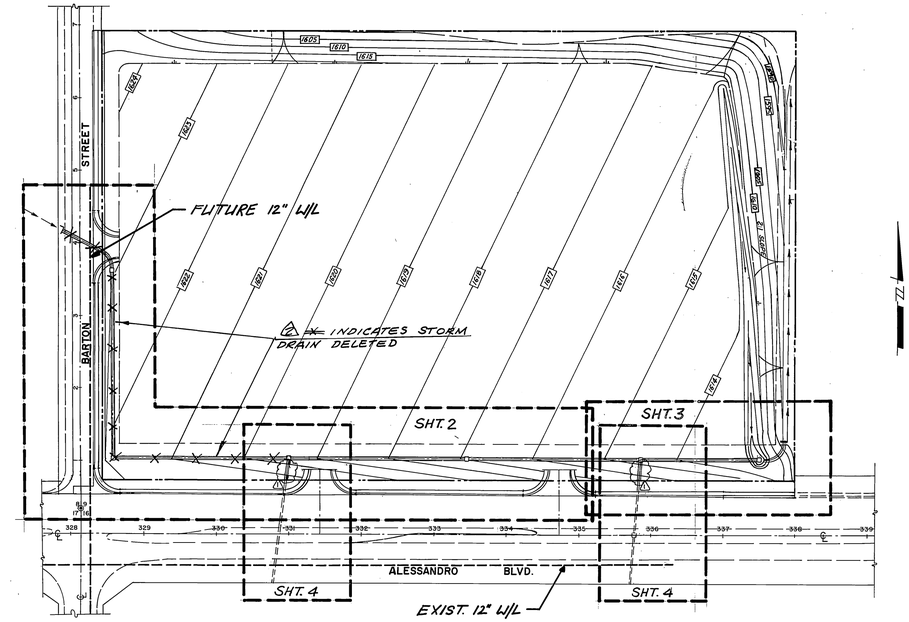


R = THICKNESS OF PIPE

NOTE
1. THE ROUNDED AREAS MAY BE BUILT UP OF CEMENT MORTAR OR POURED IN PLACE WITH THE DRAINAGE STRUCTURE.

DETAIL: ROUNDED PIPE ENDS

N.T.S.

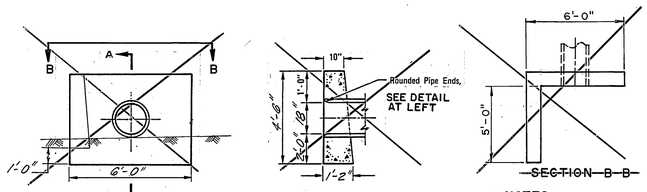


INDEX MAP

SCALE 1"=100'
NOV. 1989

LEGEND

- 1600 — PROPOSED ELEVATION
- RCP STORM DRAIN PIPE
- MANHOLE EZ PER STD. DWG. NO. 431 WITH GRATE AND FRAME PER ALHAMBRA FOUNDRY A-1200 OR EQUAL
- CUT OR FILL SLOPE (2:1 MAX.)
- HEADWALL (SEE DETAILS THIS SHEET)



NOTES:
1. CONCRETE SHALL BE 560-C-3250
2. EXPOSED CORNERS TO BE CHAMFERED 3/4"

⚠ DETAIL: "L" HEADWALL FOR 18" R.C.P.

N.T.S.

NOTICE TO CONTRACTOR

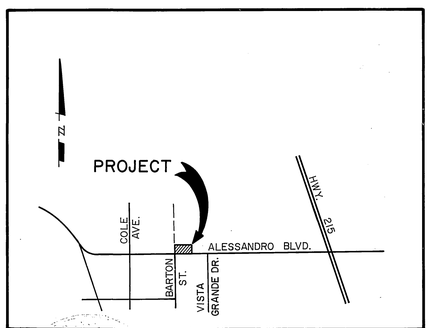
1. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS.
2. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES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

GENERAL NOTES

1. 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.
2. 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.
3. 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.
4. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
5. 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.
6. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
7. 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.
8. STREET OPENING PERMIT FOR CONSTRUCTION IS REQUIRED.
9. ALL TRAFFIC SIGNS SHALL BE INSTALLED PRIOR TO OPENING THE STREETS TO TRAFFIC.
10. 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.
11. CONTRACTOR IS TO VERIFY THE EXISTING SEWER LATERAL ELEVATION PRIOR TO CONSTRUCTION.
12. 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.

DEVELOPER

JOHN De GENNARO
7177 BROCKTON, SUITE 340
RIVERSIDE, CA. 92506
(714) 787-0494



VICINITY MAP

N.T.S.

BENCH MARK:
P.K. NAIL AND TAG IN CONC. RETAINING WALL SE'LY OF INTERSECTION OF ALESSANDRO BLVD. AND TRAUTWEIN RD. ELEV. 1607.635

CENCOM CABLE TELEVISION CO.
APPROVED BY: 4-2-90 DATE

WESTERN MUNICIPAL WATER DISTRICT
REVIEWED BY WESTERN MUNICIPAL WATER DISTRICT
SHEET 1 THROUGH 4
PRINCIPAL ENGINEER RCE 21643
DATE: 9/19/90

SOUTHERN CALIFORNIA GAS CO.
REVIEWED BY: 4-9-90 DATE

PACIFIC TELEPHONE CO.
APPROVED BY: 4/3/90 DATE

FOUR CORNERS PIPELINE COMPANY
APPROVED BY: 2-25-91 DATE

CROSBY MEAD BENTON & ASSOC.
PLANNERS • ENGINEERS • SURVEYORS
29377 RANCHO CALIFORNIA ROAD, SUITE 204
RANCHO CALIFORNIA, CALIFORNIA 92390
APPROVED BY: DATE 12/8/89
EXP. DATE 3/31/93 GEORGE L. BENTON R.C.E. NO. 14594
J.N. 520-1 FOR: JOHN DEGENNARO

MARK	REVISIONS	APPR.	DATE
⚠	CONNECTION EXISTING 18" L.R.C.P. TO PROPOSED 24" R.C.P.	WLE	5/8/91
⚠	"AS BUILT" - STORM DRAIN TO BARTON STREET DELETED.	WLE	10/10/92

DESIGNED BY D.L.S. DRAWN BY F.B. CHECKED BY M.N.M.

PREPARED BY: REVISION ⚠ ONLY & ⚠
COMMUNITY ENGINEERING SERVICE, INC.
5225 CANYON CREST BLDG. 300, SUITE 360
RIVERSIDE, CA. 92507
(714) 781-0950
APPROVED BY: DATE 5/6/91

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	12/10/90	
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF P. W. ENGINEER	12/21/90	RM.G
	12/21/90	

APPROVED BY: PUBLIC WORKS DIRECTOR
DATE 12/21/90

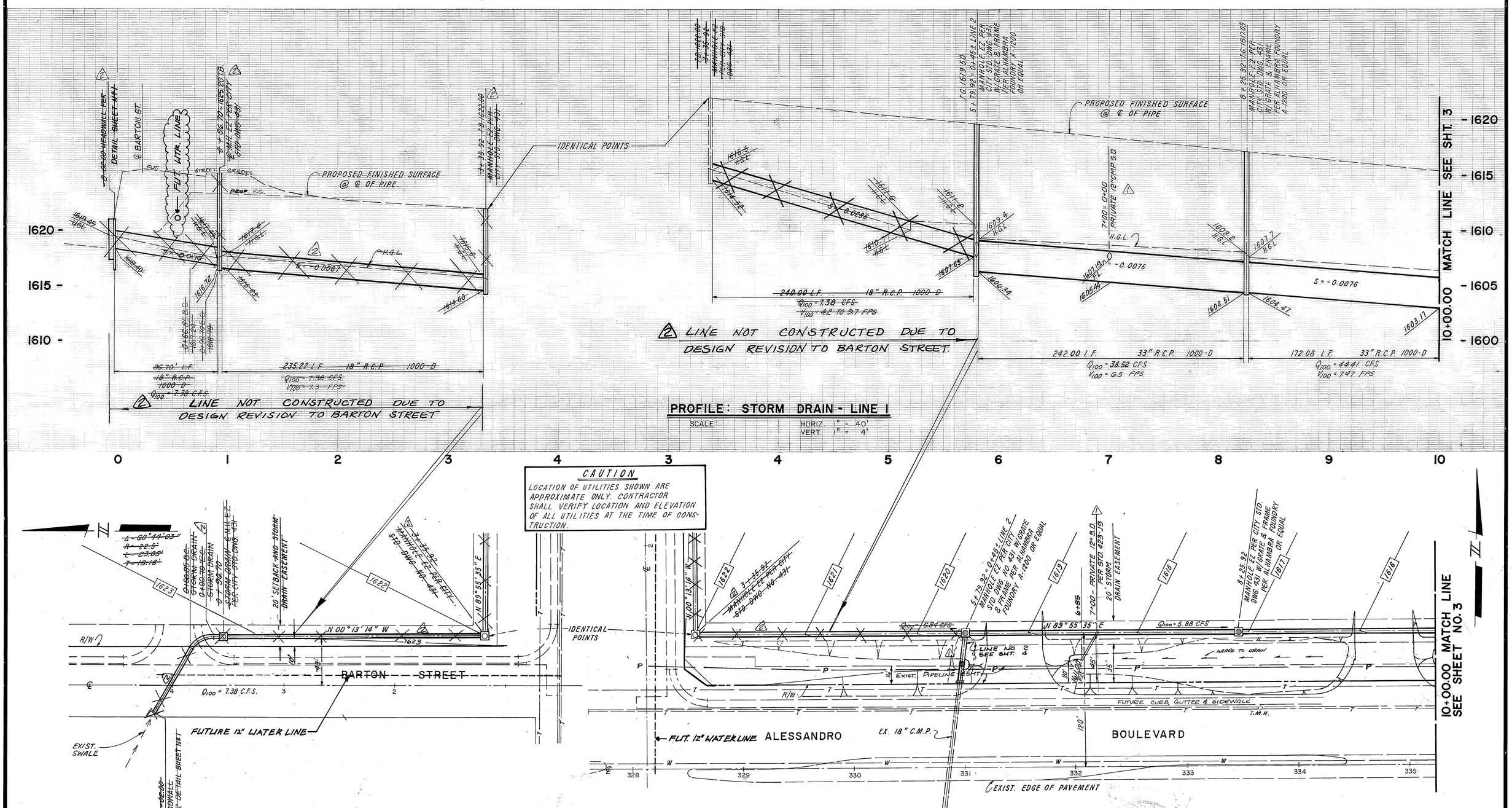
STORM DRAIN PLANS FOR:
COMMERCIAL COMPLEX
AT ALESSANDRO BLVD. & BARTON ST.
R-23-889

ACCOUNT NO. 520-2
DRAWING NUMBER D-579
SHEET 1 OF 4
HORIZ. SCALE: AS SHOWN
8589

CITY BUSINESS TAX CERTIFICATE NO. 040660 EXP. DATE 11/30/90

INDEXED 1-2-90 GH

481-197



2 LINE NOT CONSTRUCTED DUE TO DESIGN REVISION TO BARTON STREET

2 LINE NOT CONSTRUCTED DUE TO DESIGN REVISION TO BARTON STREET

PROFILE: STORM DRAIN - LINE 1

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

CAUTION

LOCATION OF UTILITIES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UTILITIES AT THE TIME OF CONSTRUCTION.

PLAN: STORM DRAIN - LINE 1

SCALE: 1" = 40'

CENCOM CABLE TELEVISION CO.
APPROVED BY: 4-2-96 DATE

WESTERN MUNICIPAL WATER DISTRICT
REVIEWED BY WESTERN MUNICIPAL WATER DISTRICT
SHEET ____ INSPECTOR ____
PRINCIPAL ENGINEER ____ RCE 17443
DATE:

SOUTHERN CALIFORNIA GAS CO.
REVIEWED BY: 4-9-90 DATE

PACIFIC TELEPHONE CO.
APPROVED BY: 4/3/90 DATE

FOUR CORNERS PIPELINE COMPANY
APPROVED BY: J.S. Walton 2-25-91 DATE

REGISTERED PROFESSIONAL ENGINEER GEORGE L. BENTON No. 14594 CIVIL STATE OF CALIFORNIA

PREPARED BY: REVISION 1 thru 6
COMMUNITY ENGINEERING SERVICES, INC.
5225 CANYON CREST DR. BLDG. 300, SUITE 360 RIVERSIDE, CA. 92507 (714) 781-0950
APPROVED BY: [signature] DATE: 5/6/91

REGISTERED PROFESSIONAL ENGINEER BRIAN G. ESGATE No. 21(RE) Exp. 9-30-93 CIVIL STATE OF CALIFORNIA

BENCH MARK:
P.K. NAIL AND TAG IN CONC. RETAINING WALL SE'LY OF INTERSECTION OF ALESSANDRO BLVD. AND TRAUTWEIN RD. ELEV. 1607.635

CROSBY MEAD BENTON & ASSOC.
PLANNERS • ENGINEERS • SURVEYORS
29377 RANCHO CALIFORNIA ROAD, SUITE 204
RANCHO CALIFORNIA, CALIFORNIA 92390
APPROVED BY: [signature] DATE 12/8/89
EXP DATE 3/31/93 GEORGE L. BENTON R.C.E. NO. 14594
J.N. 520-1 FOR: JOHN DEGENNARO
CITY BUSINESS TAX CERTIFICATE NO. 040660 EXP. DATE 11/30/90

MARK	REVISIONS	APPR.	DATE
1	CONNECTING EXIST. 18" C.M.P. TO PROPOSED 33" R.C.P. AND 12-PRIVATE LATERAL	MW	5/6/91
2	PLAN "AS BUILT" LINE FROM -0-2 TO 5+79.92 DELETED	MW	11/6/91

DESIGNED BY D.L.S. DRAWN BY F.L.B. CHECKED BY M.W.N.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

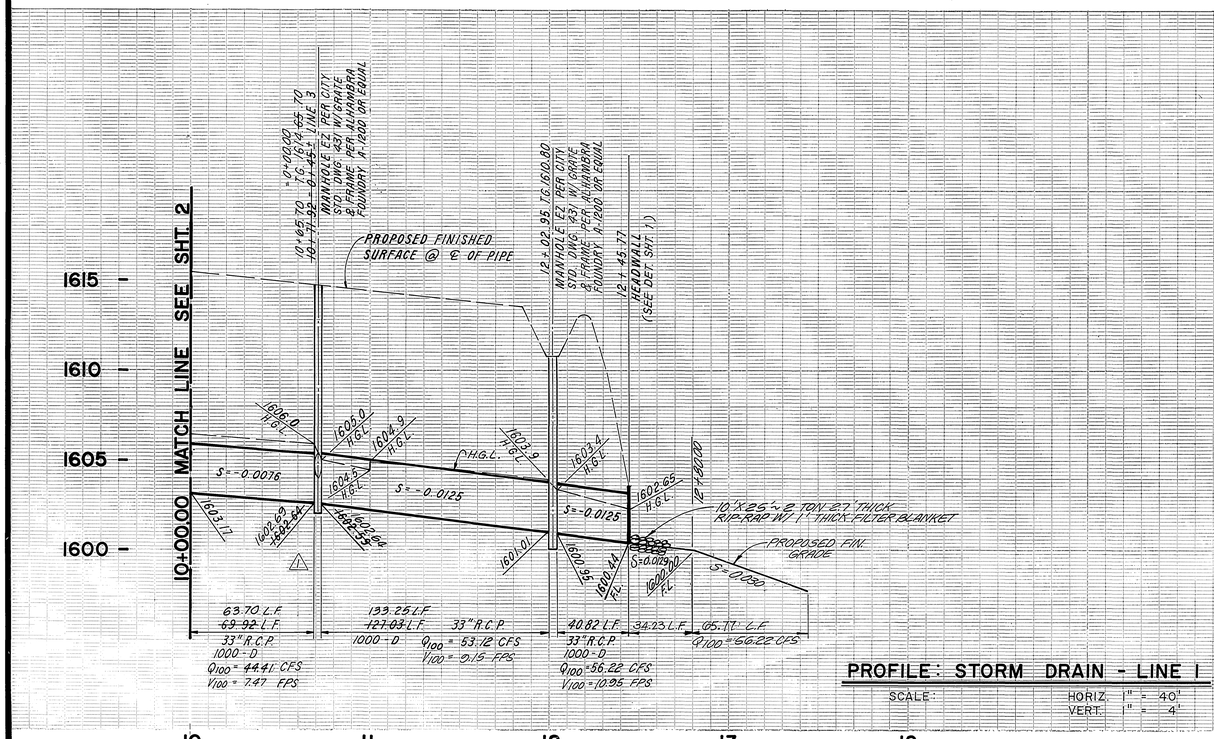
APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	12/20/90	[illegible]
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P. W. ENGINEER	12/21/90	M.N.G.
	12/21/90	[illegible]

APPROVED BY: [signature]
PUBLIC WORKS DIRECTOR
DATE 12/21/90

STORM DRAIN PLANS FOR:
COMMERCIAL COMPLEX
AT ALESSANDRO BLVD. & BARTON ST.
R-23-889

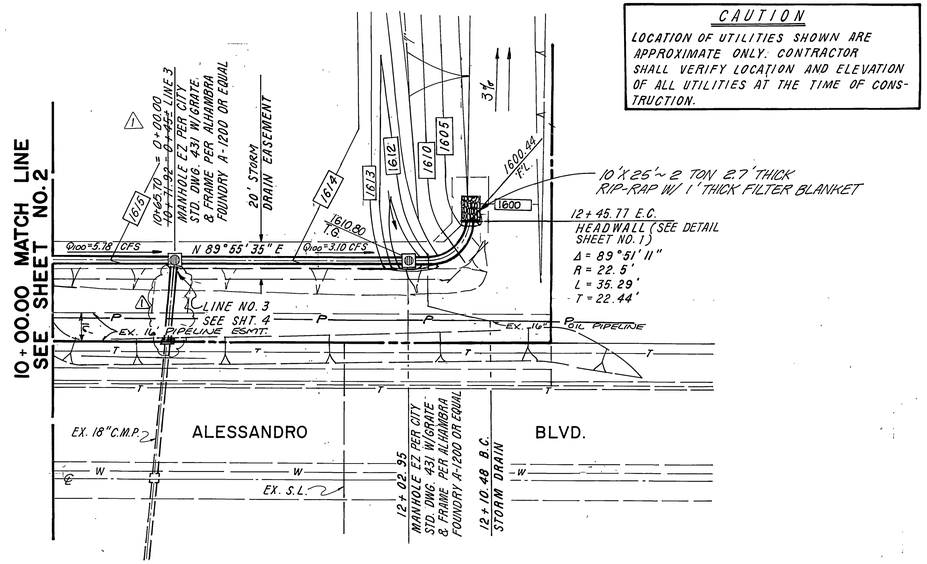
ACCOUNT NO. 520-2
DRAWING NUMBER D-579
SHEET 2 OF 4
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
8689

INDEXED 1-2-90 4th 481-197



PROFILE: STORM DRAIN - LINE 1

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



CAUTION

LOCATION OF UTILITIES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UTILITIES AT THE TIME OF CONSTRUCTION.

PLAN: STORM DRAIN - LINE 1

SCALE: 1" = 40'

CENCOM CABLE TELEVISION CO.
APPROVED BY: _____ DATE 4-2-96

WESTERN MUNICIPAL WATER DISTRICT
REVIEWED BY WESTERN MUNICIPAL WATER DISTRICT
SHEET _____ TOWNSHIP _____
PRINCIPAL ENGINEER RCE 21877

SOUTHERN CALIFORNIA GAS CO.
REVIEWED BY: _____ DATE 4-9-90

PACIFIC TELEPHONE CO.
APPROVED BY _____ DATE 4/3/90

FOUR CORNERS PIPELINE COMPANY
APPROVED BY: J.C. Walter DATE 2-25-91

CROSBY MEAD BENTON & ASSOC.
PLANNERS • ENGINEERS • SURVEYORS
29377 RANCHO CALIFORNIA ROAD, SUITE 204
RANCHO CALIFORNIA, CALIFORNIA 92390
APPROVED BY: _____ DATE 12/8/89
EXP. DATE 3/31/93 GEORGE L. BENTON R.C.E.NO. 14594
J.N. 520-1 FOR: JOHN De GENNARO

REGISTERED PROFESSIONAL ENGINEER GEORGE L. BENTON No. 14594 CIVIL STATE OF CALIFORNIA

PREPARED BY: REVISION Δ ONLY
COMMUNITY ENGINEERING SERVICES, INC.
5225 CANYON CREST DR. BLDG. 300, SUITE 360 RIVERSIDE, CA. 92507 (714) 781-0950
APPROVED BY: _____ DATE: 5/6/91

REGISTERED PROFESSIONAL ENGINEER BRIAN G. ESGATE No. 21884 Exp. 9-30-93 CIVIL STATE OF CALIFORNIA

BENCH MARK:
P.K. NAIL AND TAG IN CONC. RETAINING WALL SE'LY OF INTERSECTION OF ALESSANDRO BLVD. AND TRAUTWEIN RD. ELEV. 1607.635

MARK	REVISIONS	APPR.	DATE
Δ	CONNECTING EXISTING 18" C.M.P. TO PROPOSED 36" R.C.P. AT ℄ REVISED LINE 3	MW	5/6/91

DESIGNED BY D.L.S. DRAWN BY F.L.B. CHECKED BY M.W.N.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

	APPROVED BY	DATE	BY
	PRINCIPAL ENGINEER	12/20/90	[illegible]
	PARK DEPARTMENT		
	TRAFFIC DIVISION		
	CHIEF P. W. ENGINEER	12/21/90	[illegible]
		12/21/90	[illegible]

APPROVED BY _____ PUBLIC WORKS DIRECTOR
DATE 12/21/90

STORM DRAIN PLANS FOR:
COMMERCIAL COMPLEX
AT ALESSANDRO BLVD. & BARTON ST.
R-23-889

ACCOUNT NO. 520-2
DRAWING NUMBER D-579
SHEET 3 OF 4
8789

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

CITY BUSINESS TAX CERTIFICATE NO. 040660 EXP. DATE 11/30/90

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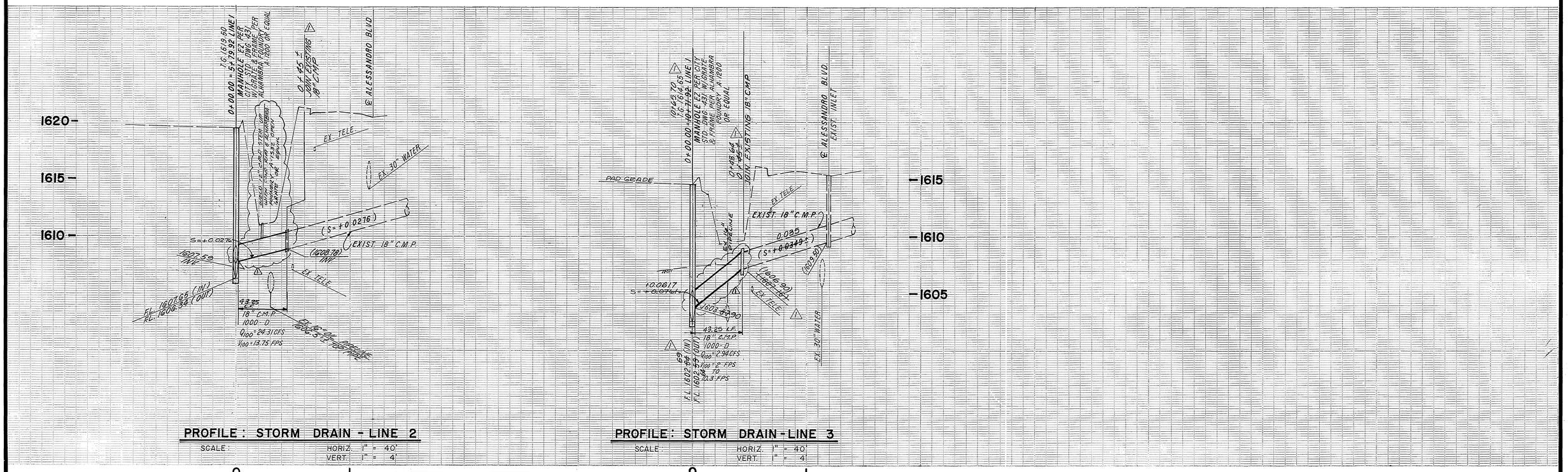

CAUTION

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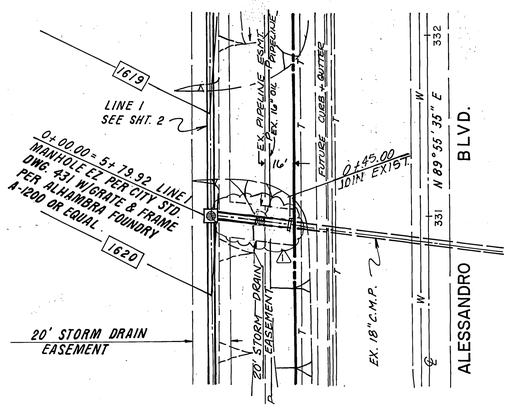

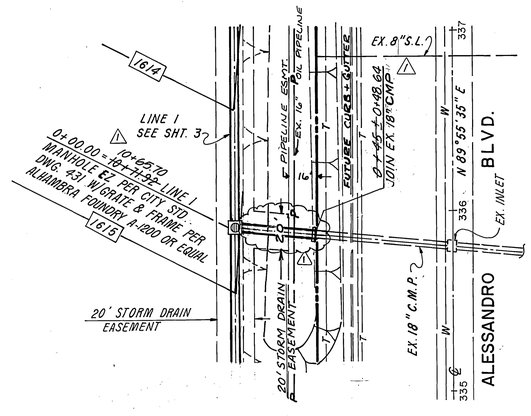

PLAN : STORM DRAIN - LINE 2
SCALE : 1" = 40'

PLAN : STORM DRAIN - LINE 3
SCALE : 1" = 40'

REGISTERED PROFESSIONAL ENGINEER GEORGE L. BENTON No. 14594 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER BRIAN G. ESGATE No. 21884 Exp. 9-30-93 CIVIL STATE OF CALIFORNIA

CENCOM CABLE TELEVISION CO.
APPROVED BY: 4-2-91 DATE

WESTERN MUNICIPAL WATER DISTRICT
REVISED BY WESTERN MUNICIPAL WATER DISTRICT
SHEET ____ THROUGH ____
PRINCIPAL ENGINEER RCE 21643
DATE:

SOUTHERN CALIFORNIA GAS CO.
REVIEWED BY: 4-9-90 DATE

PACIFIC TELEPHONE CO.
APPROVED BY: 4/3/90 DATE

FOUR CORNERS PIPELINE COMPANY
APPROVED BY: 2-25-91 DATE

CROSBY MEAD BENTON & ASSOC.
PLANNERS • ENGINEERS • SURVEYORS
29377 RANCHO CALIFORNIA ROAD, SUITE 204
RANCHO CALIFORNIA, CALIFORNIA 92390
APPROVED BY: 12/8/89 DATE
EXP. DATE 3/31/93 GEORGE L. BENTON R.C.E. NO. 14594
J.N. 520-1 FOR: JOHN De GENNARO

MARK	REVISIONS	APPR.	DATE
1	CONNECTION TO EXIST. 18" C.M.P. TO BE REVISED TO PROPOSED 24" R.C.P. PER REVISED GRADES	WJL	4/9/91

DESIGNED BY D.L.S. DRAWN BY F.L.B. CHECKED BY M.W.N.

PREPARED BY: - REVISION ONLY
COMMUNITY ENGINEERING SERVICES, INC.
5225 CANYON CREST DR. BLDG. 300, SUITE 360
RIVERSIDE, CA. 92507
(714) 781 - 0950
APPROVED BY: DATE: 5/6/91

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	12/20/90	
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W. ENGINEER	12/14/90	
	12/21/90	

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 12/21/90

BENCH MARK:
P.K. NAIL AND TAG IN CONC. RETAINING WALL SE'LY OF INTERSECTION OF ALESSANDRO BLVD. AND TRAUTWEIN RD. ELEV: 1607.635

STORM DRAIN PLANS FOR:
COMMERCIAL COMPLEX
AT ALESSANDRO BLVD. & BARTON ST.
R-23-889

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

ACCOUNT No. 520-2
DRAWING NUMBER
D-579
SHEET 4 OF 4
8889

CITY BUSINESS TAX CERTIFICATE NO. 040660 EXP. DATE 11/30/90

INDEXED 1-2-90 4th 481-197