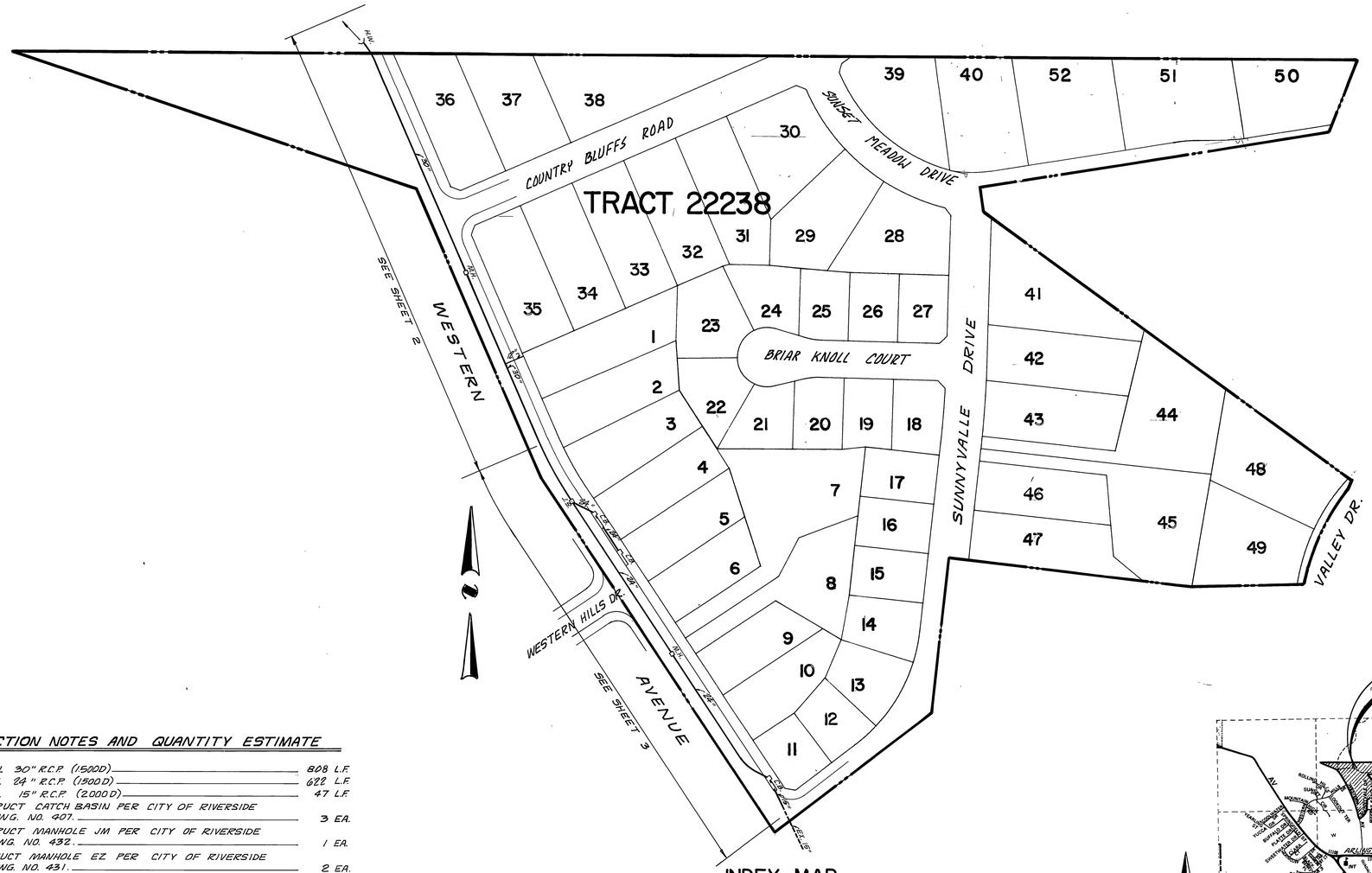
STORM DRAIN IMPROVEMENT PLANS

FOR

TRACT 22238

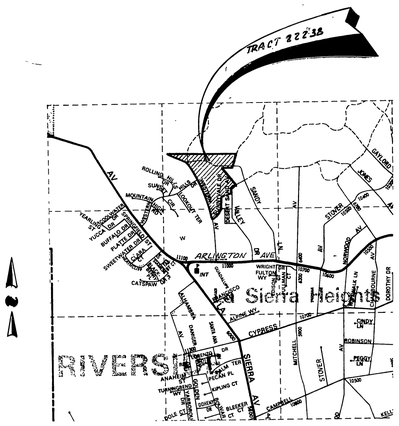
GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE PROVISIONS OF THE 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 #10, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
3. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
4. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
5. 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.
6. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NUMBER 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 DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
8. 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.
9. 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, INDEMNITY 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.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPORT DISCREPANCIES IN PLANS AND/OR FIELD CONDITIONS IMMEDIATELY TO THE DESIGN ENGINEER PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR DISCREANCIES NOT SO REPORTED AND RESOLVED.
11. ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITH FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.
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.*



INDEX MAP

SCALE: 1" = 100'



VICINITY MAP

NO SCALE

* CONSTRUCTION NOTES AND QUANTITY ESTIMATE

(1)	INSTALL 30" R.C.P. (1500D)	808 L.F.
(2)	INSTALL 24" R.C.P. (1500D)	628 L.F.
(3)	INSTALL 15" R.C.P. (2000D)	47 L.F.
(4)	CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 907.	3 EA.
(5)	CONSTRUCT MANHOLE JM PER CITY OF RIVERSIDE STD. DWG. NO. 432.	1 EA.
(6)	CONSTRUCT MANHOLE EZ PER CITY OF RIVERSIDE STD. DWG. NO. 431.	2 EA.
(7)	CONSTRUCT HEADWALL PER DETAIL ON SHEET 2	1 EA.
(8)	CONSTRUCT CONCRETE COLLAR PER CITY OF RIVERSIDE STD. DWG. NO. 424.	1 EA.
(9)	INSTALL ½ TON GROUTED RIP-RAP (12" DEEP)	600 C.Y.
(10)	CONSTRUCT JUNCTION STRUCTURE NO. 4 PER CITY OF RIVERSIDE STD. DWG. NO. 423.	1 EA.
(11)	INSTALL 12" R.C.P. (2000D)	31 L.F.

* *QUANTITIES SHOWN HEREON ARE FOR PERMIT, AND/OR BONDING PUEPOSES ONLY. AND SHALL NOT BE USED FOR BIDDING. CONTRACTOR SHALL DETERMINE HIS OWN QUANTITIES AND BID A COMPLETE JOB.*

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS AND TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THIS PLAN. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN, AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE PLANS, AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES.

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 THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO, DEFEND, INDEMNIFY, AND HOLD DESIGN PROFESSIONAL AND OWNER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

THE CONTRACTOR SHALL BE RESPONSIBLE TO REPORT DISCREPANCIES IN PLANS AND/OR FIELD CONDITIONS IMMEDIATELY TO THE DESIGN ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION, AND SHALL BE RESPONSIBLE FOR DISCREPANCIES NOT SO REPORTED AND RESOLVED.

REGISTERED PROFESSIONAL ENGINEER
RICHARD A. SCIANNI
25917
EXPIRES 12/31/89
CIVIL
STATE OF CALIFORNIA

INDEXED 12-22-87 LH

CITY OF RIVERSIDE WATER DEPT.

Carl Wengartner 10/22/87

APPROVED BY DATE

BENCH MARK:

BENCH MARK NO. G2-A
BRASS DISC. STAMPED (G2-A) IN CONC. IN MOST W'LY TRAFFIC ISLAND AT ARLINGTON AVE. AND LA SIERRA AVE. (FB735/58A

ELEV. = 865.079

CSL ENGINEERING, INC.

1307 W. Sixth Street Suite 216-B Corona, CA 91720 (714) 737-8190

PREPARED UNDER THE SUPERVISION OF:

Richard A. Scianni 7-13-87

RICHARD A. SCIANNI, R.C.E. 25917 DATE:

MARK	REVISIONS	APPR.	DATE

DESIGNED BY RAS DRAWN BY RAS CHECKED BY RAS

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

	APPROVED BY	DATE	BY
PRINCIPAL ENGINEER			
PARK DEPARTMENT			
TRAFFIC DIVISION			
CHIEF P. W. ENGINEER		12-15	
		11/16/87	

APPROVED BY
PUBLIC WORKS DIRECTOR

DATE 12/14/87

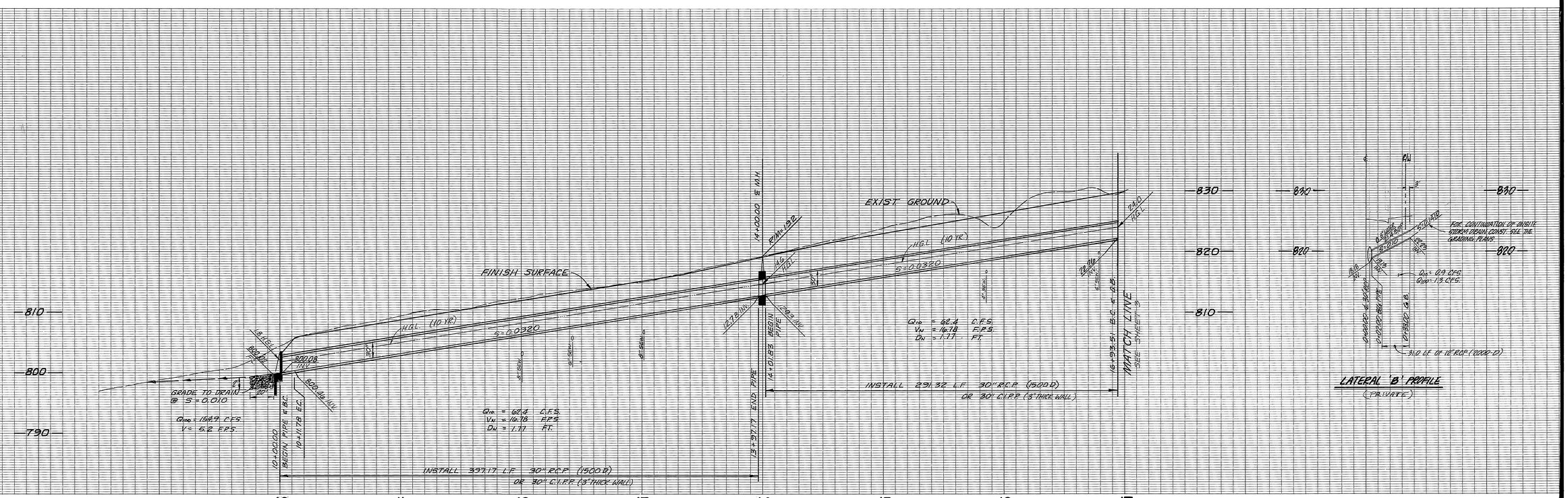
TITLE SHEET
STORM DRAIN IMPROVEMENT PLANS
FOR
TRACT 22238
WESTERN AVENUE

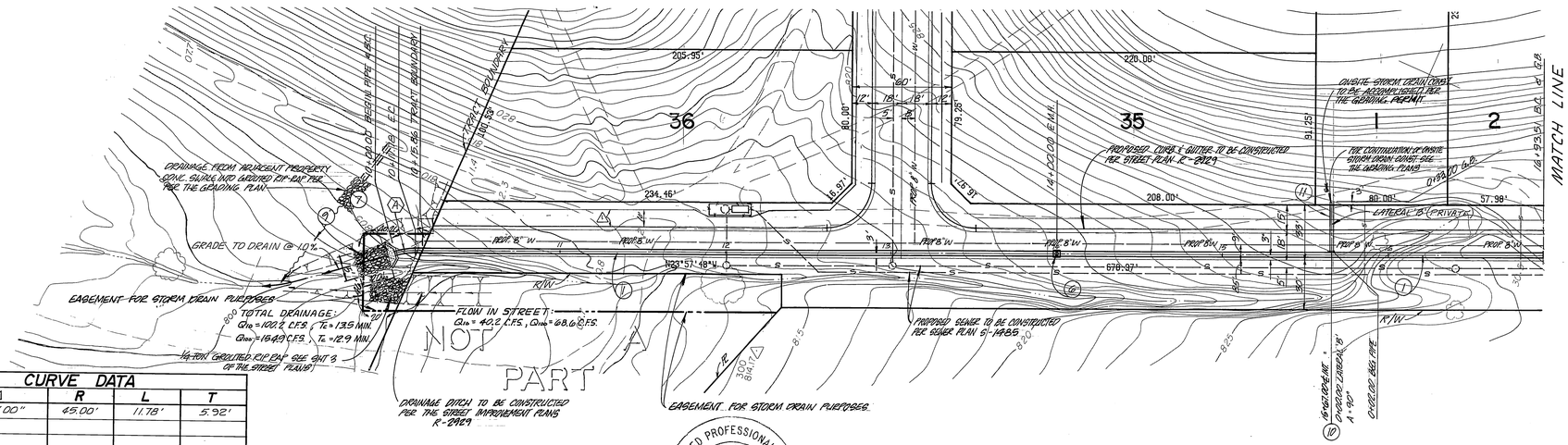
ACCOUNT NO. D-535

SHEET 1 OF 3

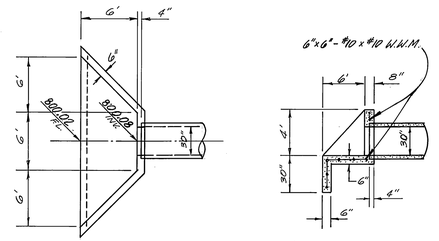
HORIZ. SCALE: 1" = VERT. SCALE: 1" =

J.N.113





SCALE: 1" = 40'



HEADWALL DETAIL (7)
NOT TO SCALE

CURVE DATA				
	Δ	R	L	T
(A)	15°00'00"	45.00'	11.78'	5.92'
(B)				
(C)				
(D)				
(E)				
(F)				
(G)				
(H)				

REGISTERED PROFESSIONAL ENGINEER
RICHARD A. SCIANNI
25917
EXPIRES 12/31/89
CIVIL
STATE OF CALIFORNIA

WESTERN AVENUE

INDEXED 12-22-87 LH

CITY OF RIVERSIDE WATER DEPT.
APPROVED BY: Carl Weingartner 10/22/87 DATE

BENCH MARK:
BENCH MARK NO. G2-A
BRASS DISC. STAMPED (G2-A) IN CONC. IN MOST W'LY TRAFFIC ISLAND AT ARLINGTON AVE. AND LA SIERRA AVE. (FB 735/58A
ELEV. = 865.079

CSL ENGINEERING, INC.
1307 W. Sixth Street Suite 216-B Corona, CA 91720 (714) 737-8190
PREPARED UNDER THE SUPERVISION OF
Richard A. Scianni 7-13-87
RICHARD A. SCIANNI R.C.E. NO. 25917 DATE:

MARK	REVISIONS	APPR.	DATE
1	ADDED HORSE TRAIL NORTHEASTERLY SIDE OF WESTERN AVENUE, ADDED SEWER PUMP STATION WESTERN AVENUE	WK	12/4/87

DESIGNED BY RAS DRAWN BY RAS CHECKED BY RAS

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	—	—
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF P. W. ENGINEER	12-10 11/10/87	

APPROVED BY Barry Beal
PUBLIC WORKS DIRECTOR
DATE 12/14/87

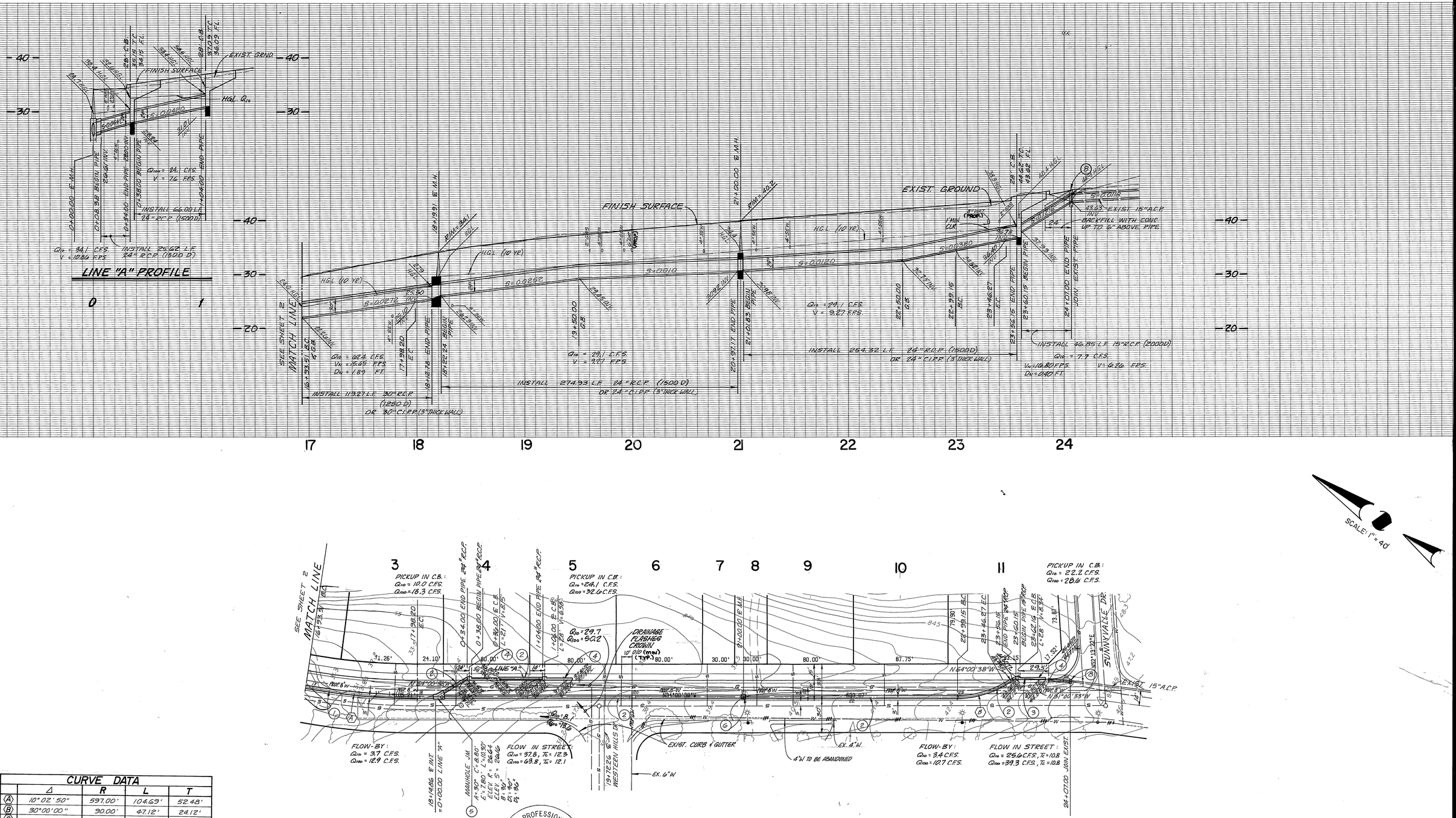
STORM DRAIN IMPROVEMENT PLANS FOR
TRACT 22238
WESTERN AVENUE

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

ACCOUNT NO. D-935

SHEET 2 OF 3

J.N. 113



CURVE DATA				
	Δ	R	L	T
(A)	10°02'50"	597.00'	104.69'	52.48'
(B)	30°00'00"	90.00'	47.12'	24.12'
(C)				
(D)				
(E)				
(F)				
(G)				
(H)				

REGISTERED PROFESSIONAL ENGINEER RICHARD A. SCIANNI 25917 EXPIRES 12/31/89 CIVIL STATE OF CALIFORNIA

WESTERN AVENUE

INDEXED 12-22-87 4H

CITY OF RIVERSIDE WATER DEPT.
Carl Weingartner 10/22/87
APPROVED BY DATE

BENCH MARK:
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1307 W. Sixth Street Suite 216-B Corona, CA 91720 (714) 737-8190
PREPARED UNDER THE SUPERVISION OF
Richard A. Scianni 7-13-87
RICHARD A. SCIANNI R.C.E. NO. 25917 DATE:

MARK	REVISIONS	APPR.	DATE

DESIGNED BY RAS DRAWN BY RAS CHECKED BY RAS

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	—	—
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF P. W. ENGINEER	12-10 11/18/87	WLE

APPROVED BY Barry Bed
PUBLIC WORKS DIRECTOR
DATE 12/14/87

STORM DRAIN IMPROVEMENT PLANS FOR
TRACT 22238
WESTERN AVENUE

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

ACCOUNT NO. D-535
SHEET 3 OF 3

J.N.113