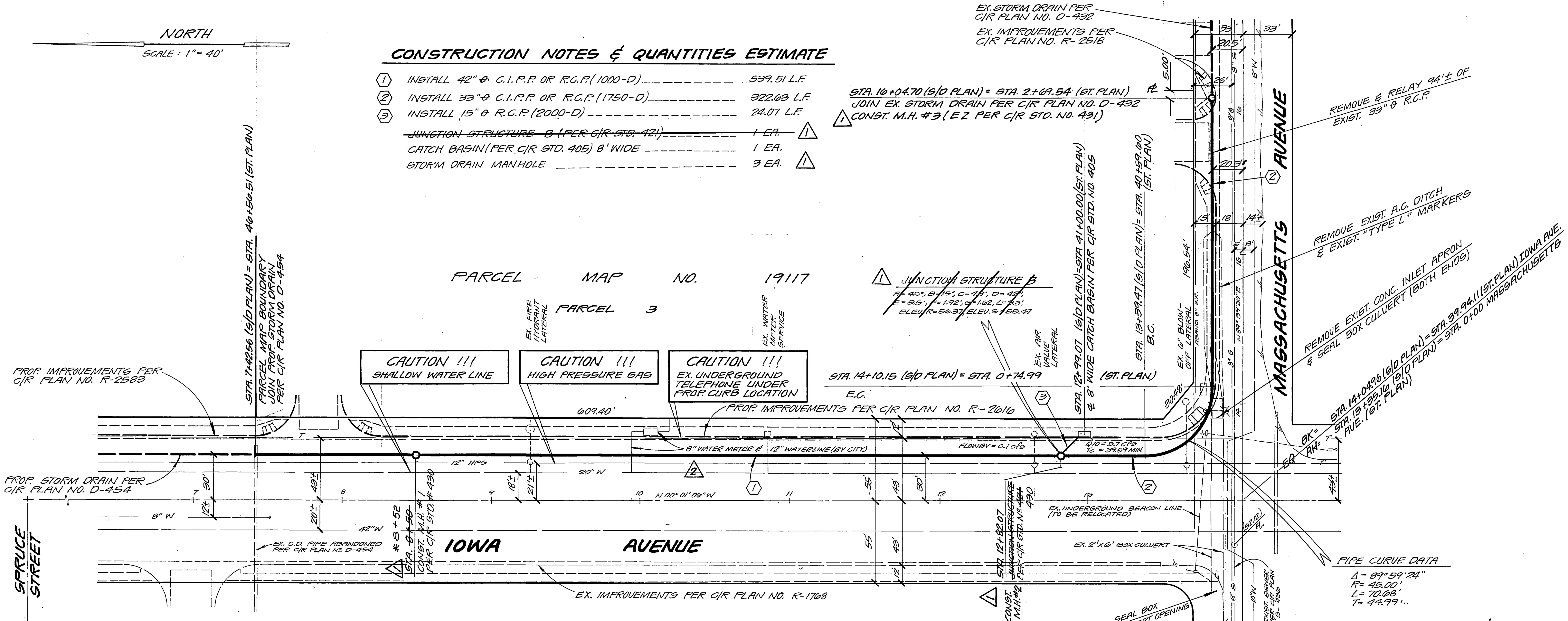
CONSTRUCTION NOTES & QUANTITIES ESTIMATE

① INSTALL 42" Ø C.I.P.P. OR R.C.P. (1000-D)	539.51 L.F.	
② INSTALL 33" Ø C.I.P.P. OR R.C.P. (1750-D)	322.63 L.F.	
③ INSTALL 15" Ø R.C.P. (2000-D)	24.07 L.F.	
~~JUNCTION STRUCTURE B (PER C/R STD. 421)~~	~~1 EA.~~	△1
CATCH BASIN (PER C/R STD. 405) 8' WIDE	1 EA.	
STORM DRAIN MANHOLE	3 EA.	△1



*As built 11/86 TE

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 & 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, AND THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1982 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 DESCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
6. PIPE BEDDING SHALL BE PER CITY OF RIVERSIDE STD. DWG. NO. 452, CASE I UNLESS OTHERWISE SHOWN.
7. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY DRAINAGE FACILITIES DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (U.S.A.) 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.
9. 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.
10. CONTRACTOR SHALL:
    a) BACKFILL WITH ONE SACK CEMENT-SAND SLURRY FROM BOTTOM OF TRENCH UP TO BOTTOM OF EXISTING WATER MAINS, WHERE EVER TRENCH CROSSES EXISTING WATER MAINS.
    b) SUPPORT AND PROTECT ALL WATER MAINS AND APPURTENANCES PRIOR TO EXCAVATION.
    △3 ~~c) SUBMIT PLANS OF PROPOSED "SUPPORT METHODS FOR EXISTING WATER MAINS, DESIGNED AND SIGNED BY A REGISTERED CIVIL ENGINEER FOR WATER DEPARTMENT APPROVAL, PRIOR TO CONSTRUCTION.~~
    d) CALL FOR WATER DEPARTMENT INSPECTOR 48 HOURS PRIOR TO EXCAVATION - 787-7428.
    e) 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)

INDEX LE

PACIFIC BELL TELEPHONE CO. (SIGNATURE SIGNED IN BALLPOINT PEN ON ORIGINAL) R.P. Nolasco — APPROVED BY — DATE 5-21-84	SOUTHERN CALIFORNIA GAS CO. E.G. Burke — REVIEWED BY — DATE 5-18-84
CITY OF RIVERSIDE - PUBLIC UTILITIES ELECTRIC — for John Johnson — CHIEF UTILITIES ENGINEER - ELEC. — DATE 6/6/84	CITY OF RIVERSIDE - DOMESTIC SYSTEM — Dan L Parke — CHIEF UTILITIES ENGINEER - WATER — DATE 8-8-84

L A WAINSCOTT & ASSOCIATES
CIVIL ENGINEERS
GRAND TERRACE, CALIFORNIA
(714) 824-1775
APPROVED BY L.A. Wainscott DATE 5-8-84
R.C.E. 16056
W.O. 021.65 FOR CONCORDIA F.B. 5

MARK	REVISIONS	APPR.	DATE
△3	DELETED NOTE #10-C PER CITY WATER	WLK	7/3/85
△2	ADDED 12" WATER SERVICE BY CITY	WLK	7/3/85
△1	REMOVED JUNCTION STRUCT. & ADDED 3 M.H.	WLK	9/27/84

DESIGNED BY BERNIE DRAWN BY NICK CHECKED BY E.G.

BENCH MARK:
CHISELED "X" IN TOP OF HEADWALL AT NORTHWEST CORNER OF SPRUCE STREET AND IOWA AVENUE.
T.B.M. #3 PER C.R.F.B. 951/20
ELEVATION = 961.72

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
PRINCIPAL ENG.		
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF P.W. ENG.		
	WLK	8-31-84

APPROVED BY: William D. Gardner, for DIRECTOR OF PUBLIC WORKS
DATE SEPT. 13, 1984

STORM DRAIN PLAN & PROFILE
(R-31-823) (P.R.D.-10-834)
PARCEL 3 OF PARCEL MAP NO. 19117
MASSACHUSETTS AVENUE (FROM IOWA AVE. TO 270'± EASTERLY)
IOWA AVENUE (FROM MASSACHUSETTS TO 660'± NORTHERLY)
SCALE: HORIZ.: 1" = 40' VERT. 1" = 4'

D-459
SHT. 1 OF 1
W.O. 021.65 - D