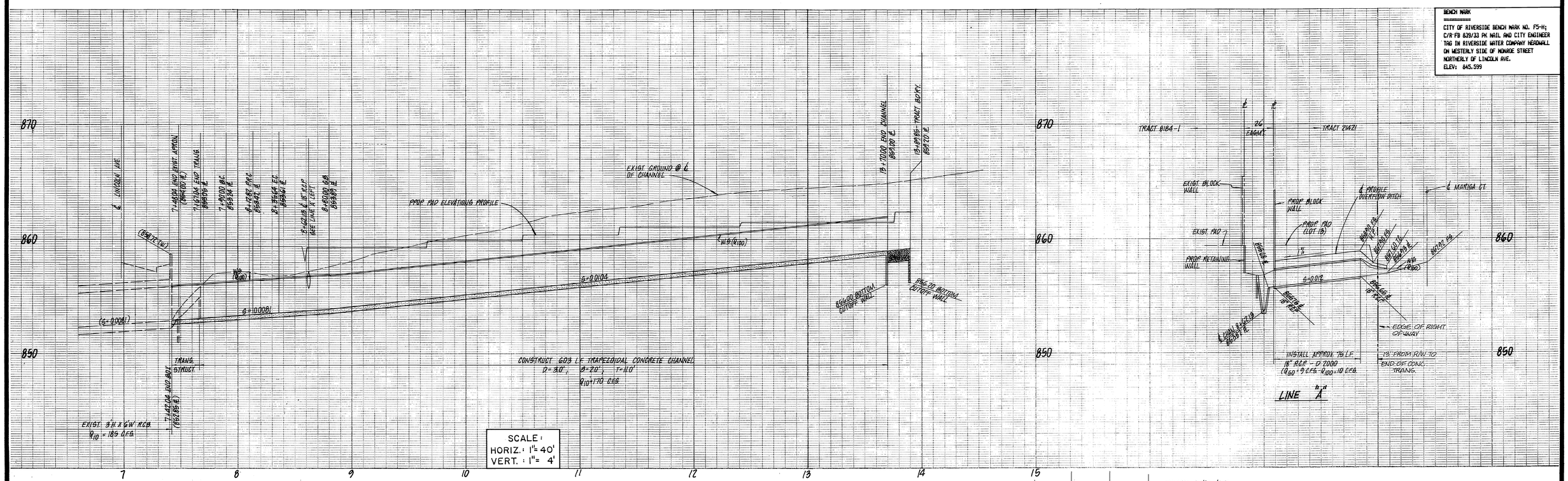
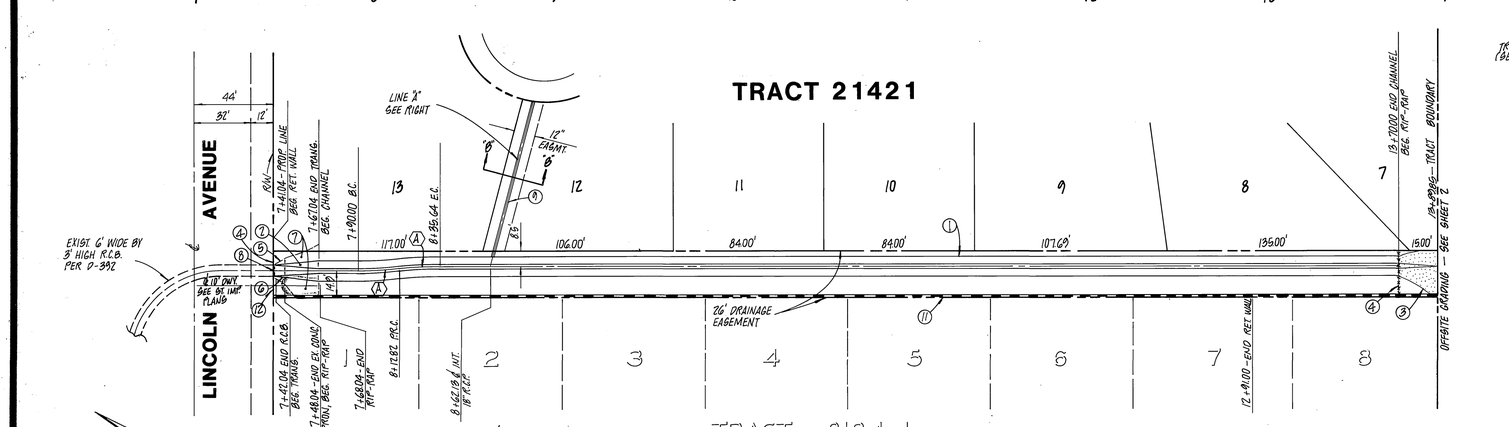
BENCH MARK

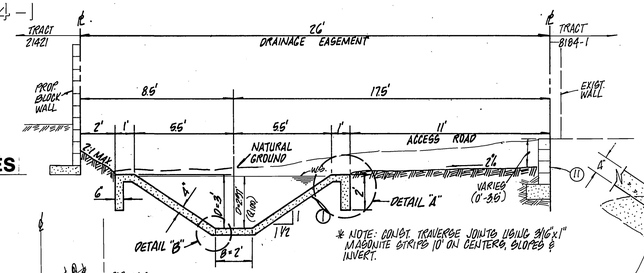
CITY OF RIVERSIDE BENCH MARK NO. F5-H; C/R FB 839/33 PK NAIL AND CITY ENGINEER TAG IN RIVERSIDE WATER COMPANY HEADWALL ON WESTERLY SIDE OF MONROE STREET NORTHERLY OF LINCOLN AVE. ELEV: 845.599





PLAN

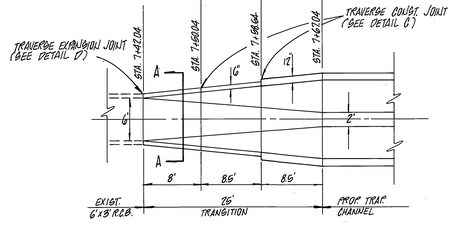
SCALE: 1" = 40'



TYPICAL SECTION

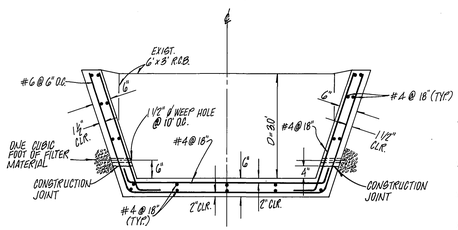
SCALE: 1" = 4'

* NOTE: CONST. TRAVERSE JOINTS USING 3/16" x 1" MASONITE STRIPS 10' ON CENTERS, SLOPED & INVERT.



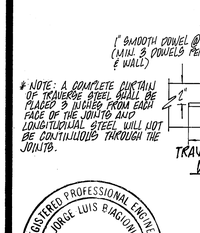
TRANSITION STRUCTURE

N.T.S.



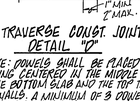
SECTION A - A

N.T.S.



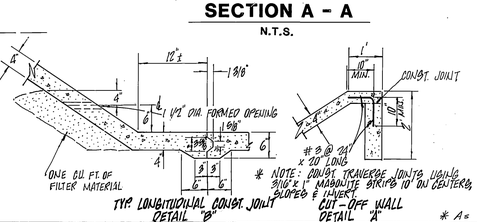
* NOTE: A COMPLETE CURTAIN OF TRAVERSE STEEL SHALL BE PLACED 3 INCHES FROM EACH FACE OF THE JOINTS AND LONGITUDINAL STEEL WILL NOT BE CONTINUOUS THROUGH THE JOINTS.

TRAVERSE EXPANSION JOINT DETAIL "C"



TRAVERSE CONST. JOINT DETAIL "D"

* NOTE: DOWELS SHALL BE PLACED AT 12" SPACING CENTERED IN THE MIDDLE THIRD OF THE BOTTOM SLAB AND THE TOP THIRD OF SIDE WALLS. A MINIMUM OF 3 DOWELS PER SLAB & WALL SHALL BE PLACED.



TYP. LONGITUDINAL CONST. JOINT DETAIL "B"

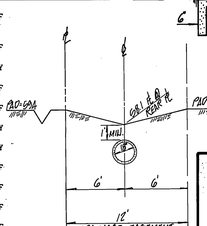
CUT-OFF WALL DETAIL "A"

* A = built 4-14-88 TE

INDEXED 3-25-88 LH

CONSTRUCTION NOTES & ESTIMATE OF QUANTITIES

1	CONST. TRAPEZOIDAL CHANNEL PER DETAILS HEREON	603 LF
2	CONST. TRANSITION STRUCTURE PER DETAIL HEREON	25 LF
3	CONST. GROUTED RIP-RAP APRON AND CUTOFF WALL	20 CY
4	INSTALL 5' CHAIN LINK FENCE PER CITY'S STD. DWG. 380	46 LF
5	REMOVE EXISTING CONCRETE BLOCK WINGWALLS	70 SF
6	REMOVE CONCRETE APRON AND CUTOFF WALL	3 CY
7	REMOVE EXISTING RIP-RAP APROACH AND CUTOFF WALL	20 CY
8	REMOVE EXISTING CHAIN LINK FENCE	30 LF
9	INSTALL 18" R.C.P. (LINE "A")	75 LF
10	INSTALL 15" R.C.P. (LINE "B")	105 LF
11	CONST. CONC. BLOCK RETAINING WALL PER DETAIL ON SHT. 2	550 LF
12	INSTALL 10' WIDE DOUBLE PANEL GATE	1 Ea



SECTION "B"-"B"

N.T.S.

REGISTERED PROFESSIONAL ENGINEER JORGE LUIS BIAGIONI NO. 33751 EXP. 6-30-90 CIVIL STATE OF CALIFORNIA

ADKAN ENGINEERS
civil engineering • planning • surveying
6869 AIRPORT DRIVE — SUITE 302
RIVERSIDE, CALIFORNIA 92504
TELEPHONE (714) 688-0241
JORGE BIAGIONI R.C.E. NO. 33751 — DATE 8-19-86

MARK	REVISIONS	APPR.	DATE

DESIGNED BY JB DRAWN BY JR CHECKED BY JB

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	1/6/87	
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W. ENGINEER	1/9/87	

APPROVED BY William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 1-12-87

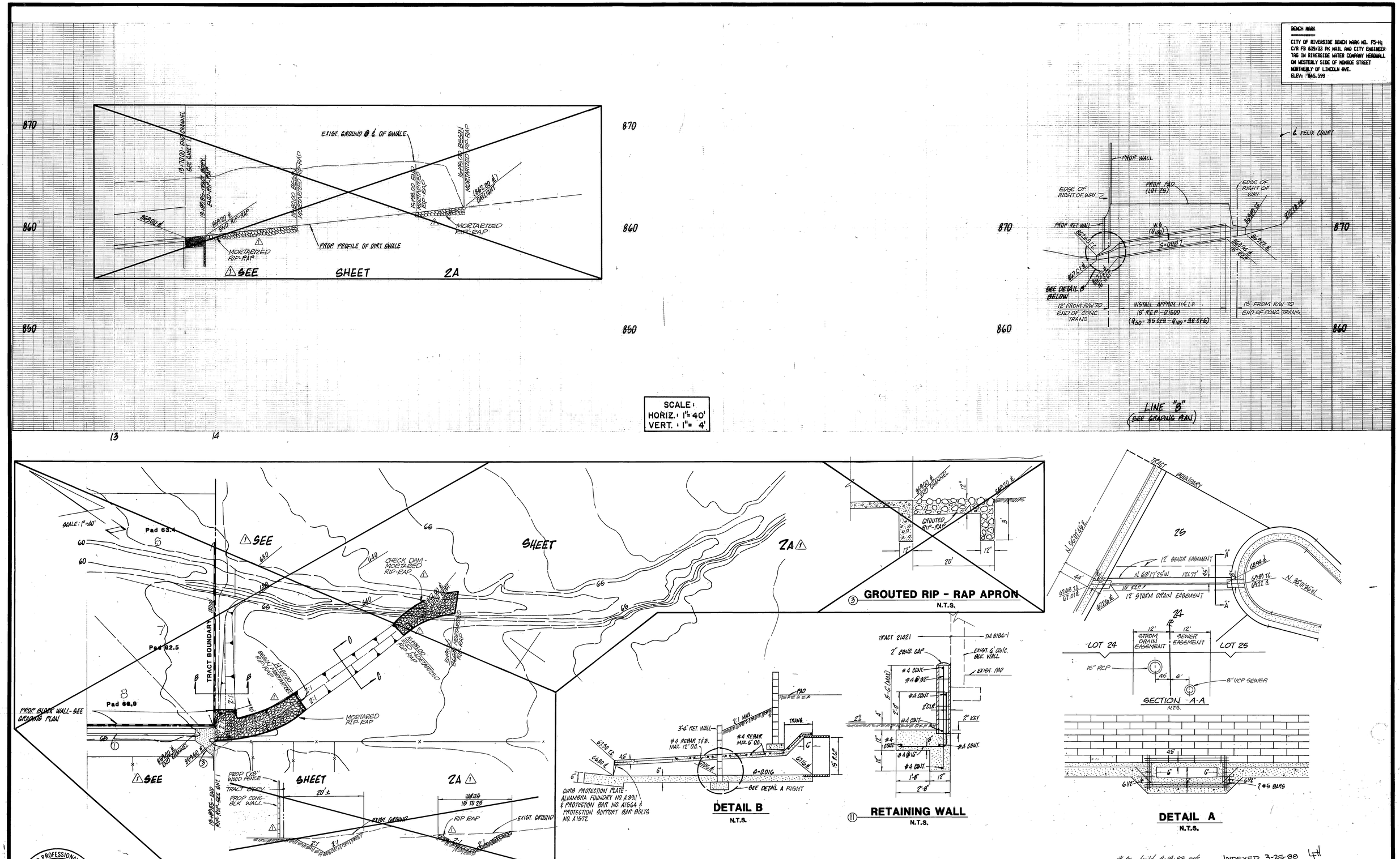
STORM DRAIN PLAN
TRACT 21421
STORM DRAIN EASEMENT

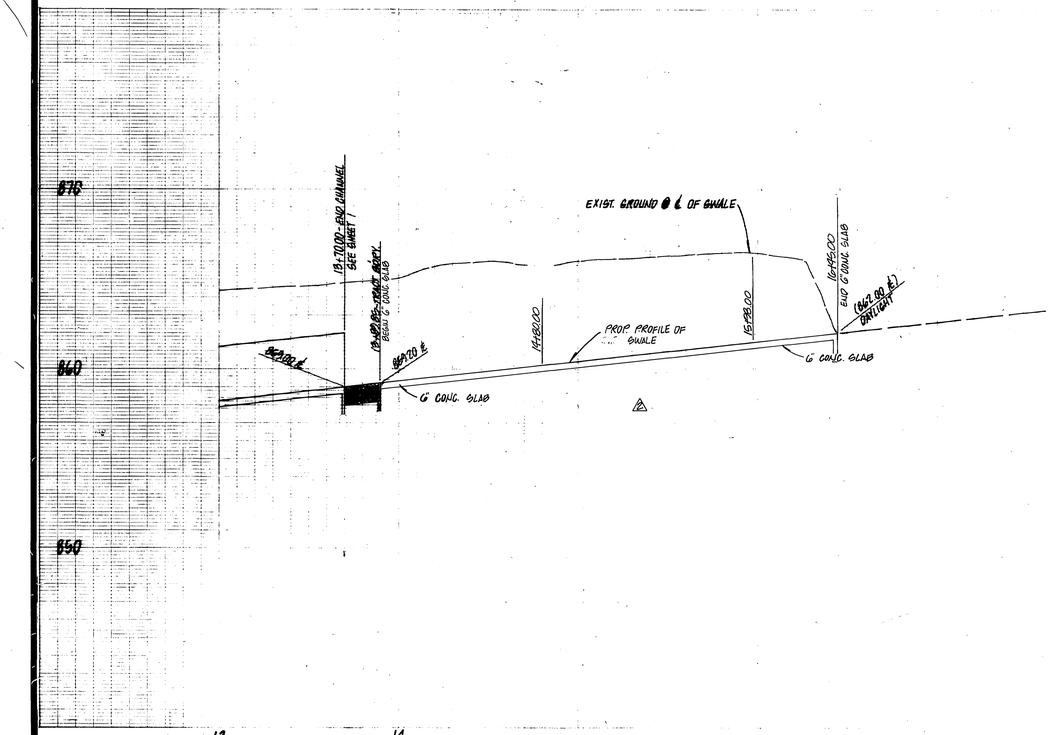
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACCOUNT NO. D-503

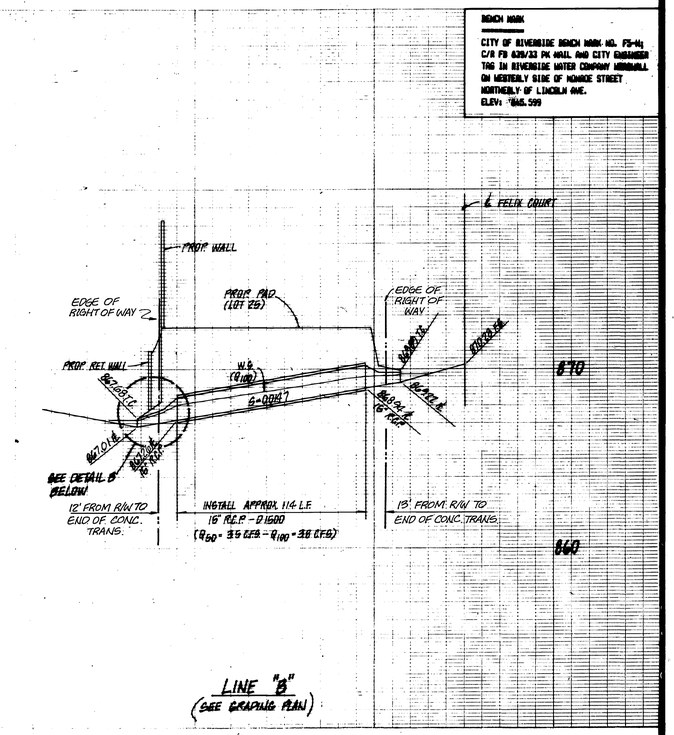
SHEET 1 OF 2

J.N. 2784

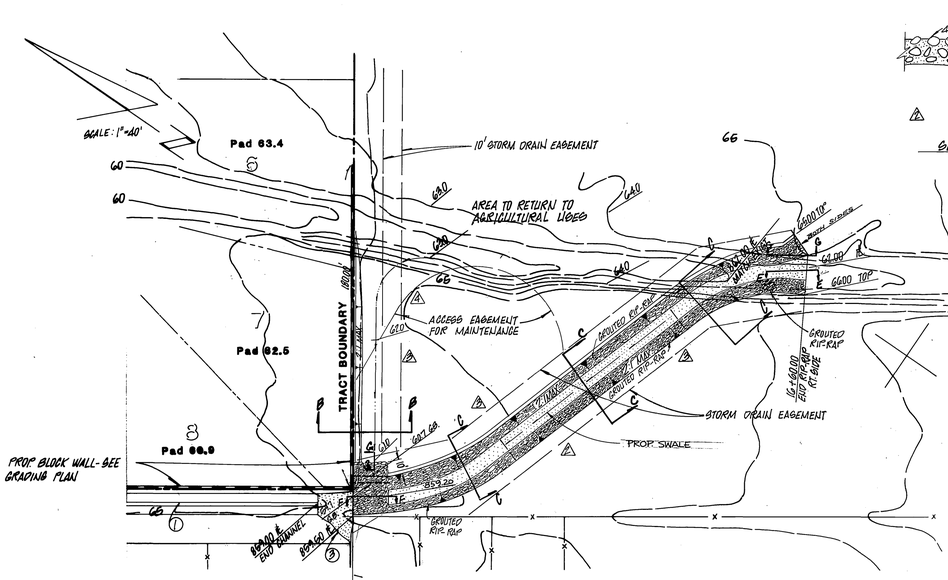

BENCH MARK
CITY OF RIVERSIDE BENCH MARK NO. F5-H; C/A FB 639/33 PK NAIL AND CITY ENGINEER TAG IN RIVERSIDE WATER COMPANY HEADWALL ON WESTERLY SIDE OF MONROE STREET NORTHERLY OF LINCOLN AVE.
ELEV: 1845.599
EXIST. GROUND @ ℄ OF SWALE
PROP. PROFILE OF DIRT SWALE
MORTARIZED RIP-RAP
SEE SHEET 2A
PROP. WALL
EDGE OF RIGHT OF WAY
PROP. PAD (LOT 26)
PROP. RET. WALL
℄ FELIX COURT
SEE DETAIL B BELOW
12' FROM R/W TO END OF CONC. TRANS.
INSTALL APPROX. 114 L.F. 18" R.C.P. - D1600
13' FROM R/W TO END OF CONC. TRANS.
LINE "B"
(SEE GRADING PLAN)
SCALE:
HORIZ.: 1"= 40'
VERT.: 1"= 4'
SCALE: 1"=40'
Pad 63.4
Pad 62.5
Pad 60.9
TRACT BOUNDARY
CHECK DAM - MORTARED RIP-RAP
PROP. BLOCK WALL - SEE GRADING PLAN
MORTARED RIP-RAP
PROP. 1'X8' WOOD FENCE
TRACT BDRY
PROP. CONC. BLK. WALL
EXIST. GROUND
VARIES 16' TO 29'
RIP RAP
SECTION B - B
N.T.S.
SECTION C - C
N.T.S.
GROUTED RIP-RAP
③ GROUTED RIP - RAP APRON
N.T.S.
TRACT 21421
2" CONC. CAP
EXIST. 6' CONC. BLK. WALL
EXIST. PAD
3'-6" RET. WALL
#4 REBAR T&B. MAX. 12" O.C.
#4 REBAR MAX. 6' O.C.
CURB PROTECTION PLATE - ALHAMBRA FOUNDRY NO. A 3911 & PROTECTION BAR NO. A1664 & PROTECTION SUPPORT BAR BOLTS NO. A1972
SEE DETAIL A RIGHT
DETAIL B
N.T.S.
⑪ RETAINING WALL
N.T.S.
TRACT BOUNDARY
12' SEWER EASEMENT
16" RCP
12' STORM DRAIN EASEMENT
LOT 24
LOT 25
STORM DRAIN EASEMENT
SEWER EASEMENT
15" RCP
8" VCP SEWER
SECTION A-A
N.T.S.
DETAIL A
N.T.S.
REGISTERED PROFESSIONAL ENGINEER JORGE LUIS BAGIONI NO. 33751 EXP. 6-30-88 CIVIL STATE OF CALIFORNIA
ADKAN ENGINEERS
civil engineering • planning • surveying
6869 AIRPORT DRIVE — SUITE 302
RIVERSIDE, CALIFORNIA 92504
TELEPHONE (714) 688-0241
JORGE BAGIONI R.E.E. NO. 33751
8-19-86
DATE
MARK REVISIONS APPR. DATE
1 REVISED DRAINAGE SWALE - SEE SHEET "2A" WUC 3/1/88
DESIGNED BY JB DRAWN BY JR CHECKED BY JSA
CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
APPROVED BY DATE BY
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGINEER
APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 1-12-87
STORM DRAIN PLAN
TRACT 21421
OFFSITE GRADING
LINE B
ACCOUNT NO. 0-503
SHEET 2 OF 2
HORIZ. SCALE: 1"= 40'
VERT. SCALE: 1"= 4'
J.N. 2784
* As built 4-19-88 TE
INDEXED 3-25-88



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

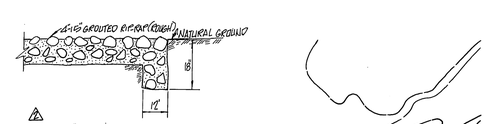


LINE "B"
(SEE GRADING PLAN)

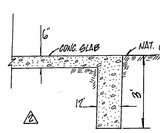


SECTION B - B
N.T.S.

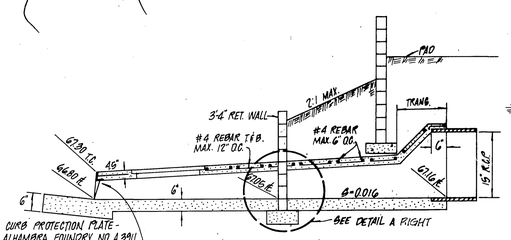
SECTION C - C
N.T.S.



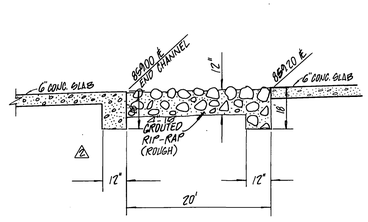
SECTION "G"-"G"
N.T.S.



SECTION "F"-"E"
N.T.S.

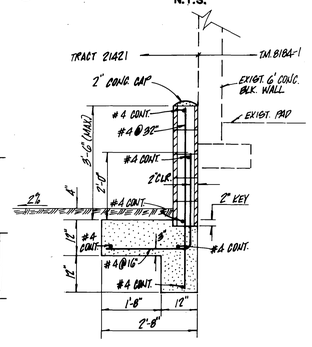


DETAIL B
N.T.S.

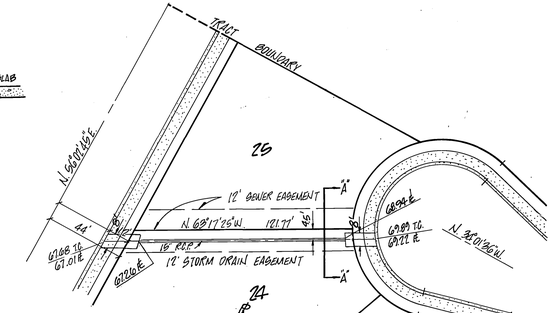


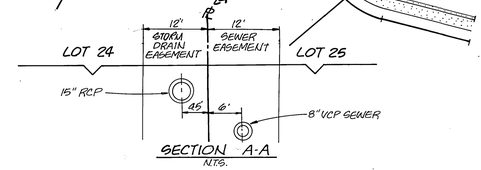
SECTION "F"-"F"

③ GROUTED RIP - RAP APRON
N.T.S.

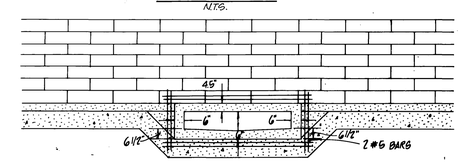


⑪ RETAINING WALL
N.T.S.





SECTION A-A
N.T.S.



DETAIL A
N.T.S.

REGISTERED PROFESSIONAL ENGINEER
JORGE LUIS BIAGIONI
NO. 33751
EXP. 6-30-89
CIVIL
STATE OF CALIFORNIA

ADKAN ENGINEERS
civil engineering • planning • surveying
6869 AIRPORT DRIVE — SUITE 302
RIVERSIDE, CALIFORNIA 92504
TELEPHONE (714) 688-0241
JORGE BIAGIONI R.C.E. NO. 33751 — DATE 8-19-88

MARK	REVISIONS	APPR.	DATE
4	ADDED ACCESS EASEMENT FOR MAINTENANCE		
3	REVISIONS PER PLAN CHECK	JVB	3/11/88
2	ADDED CONC. SLAB TO INVERTS OF SWALE, SWALE & GROUTED SECTIONS A-A (C-C, E-E, F-F) ADDED BLK. & R.R. & G-4 PAD 4A		
1	ADDED PROP. BLOCK WALL IN SECT. B-B-SHT. 2A		

DESIGNED BY JB — DRAWN BY JB — CHECKED BY JBB

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	10/6/87	
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P. W. ENGINEER	1/14/87	

APPROVED BY William S. Hardman
PUBLIC WORKS DIRECTOR
DATE 1-12-87

* As built 4.14.88 TE — INDEXED 3-25-88 LH

STORM DRAIN PLAN
TRACT 21421
OFFSITE GRADING
LINE B

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

ACCOUNT NO. 0-503
SHEET 2A OF 2
J.N. 2784