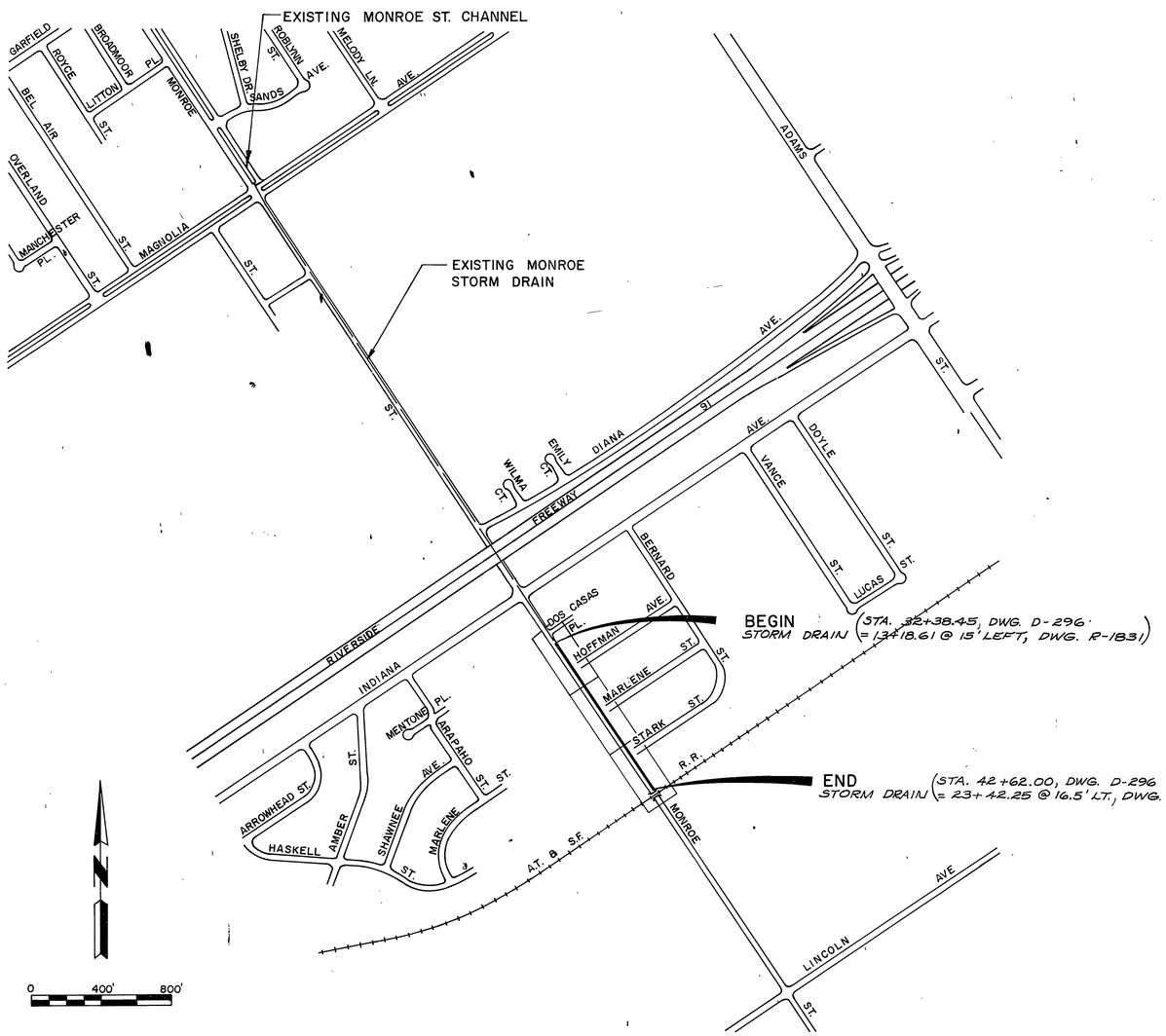
08-RIV.-0-RIV
FEDERAL AID PROJECT
SRS-0005(80)
SHEET 5 OF 9

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT



LOCATION MAP

GENERAL NOTES

1. JUNCTION STRUCTURE NO. 4 (PIPE) OR JUNCTION STRUCTURE NO. 3 (BOX) SHALL BE CONSTRUCTED FOR JUNCTIONS NOT OTHERWISE SPECIFIED ON THE PLAN AND PROFILE.
2. TIES TO CATCH BASINS ARE FROM THE CURB RETURN TO THE CENTER LINE OF THE CATCH BASIN UNLESS OTHERWISE SHOWN. WHERE NO TIE IS SHOWN L.D. SHALL BEGIN AT THE CURB RETURN.
3. ALL OPENINGS RESULTING FROM CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE, NOTED ON THE DRAWINGS AS "PLUG."
4. STREET RESURFACING - SEE CITY OF RIVERSIDE DRAWING NO. R-1831.
5. ALL RESURFACING, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED SHALL BE CONSTRUCTED AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS, UNLESS OTHERWISE NOTED.
6. "V_i" IS THE DEPTH OF INLET PIPE OF CATCH BASINS IN SERIES MEASURED FROM TOP OF CURB TO INVERT OF CONNECTOR PIPE.

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R.C.F.C. & W.C.D. STANDARD DRAWINGS

CB100	CATCH BASIN NO. 1.	6
CB103	CATCH BASIN FRAME AND COVER (MANHOLE)	7
CB105	CATCH BASIN DETAIL OF OPENING.	8
LD201	LOCAL DEPRESSION NO. 2.	9
JS227	JUNCTION STRUCTURE NO. 2.	10-11
JS229	JUNCTION STRUCTURE NO. 4.	12
MH252	MANHOLE NO. 2.	13
MH254	MANHOLE NO. 4.	14-15
MH255	MANHOLE FRAME AND COVER (NON-ROCKING).	16
MH257	MANHOLE SHAFT.	17
MH259	STANDARD DROP STEP.	18
TS303	TRANSITION STRUCTURE NO. 3.	19
M803	CONCRETE COLLAR FOR PIPES	20
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M814	ABBREVIATIONS AND SYMBOLS.	22
M815	BEDDING AND PAYLINES.	23
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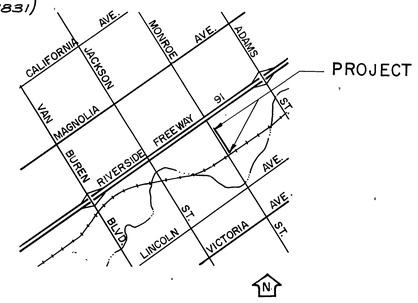


VICINITY MAP
NO SCALE

AS BUILT 9-21-77 JV.

INDEXED M.D.

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: A.G.K.
DRAWN BY: S. Moody
DATE DRAWN:
CHECKED BY:
APPROVED BY: John W. Basnett, CHIEF ENGINEER R.E. NO. 6822
DATE: 8-11-76

MONROE STORM DRAIN

TITLE SHEET

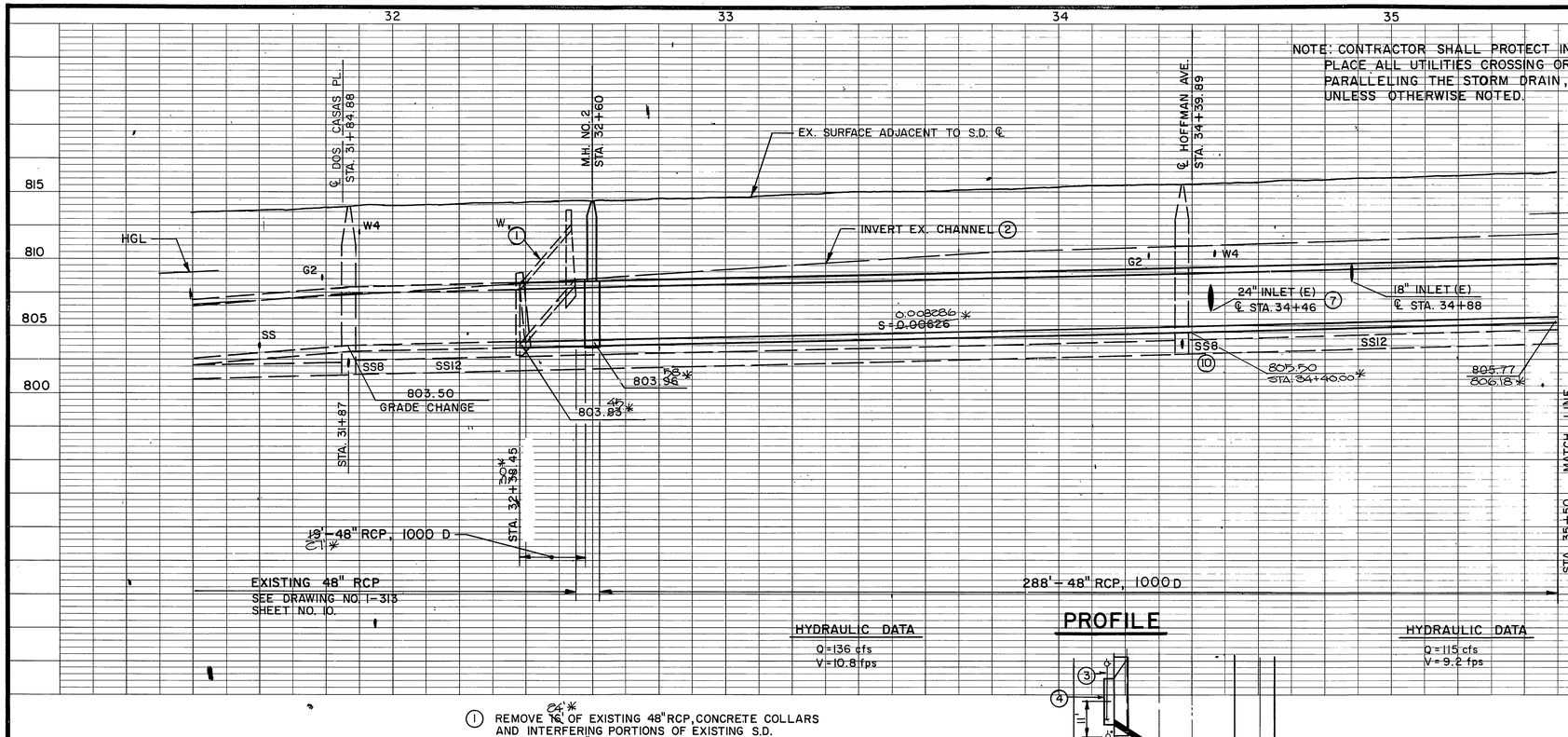
1970 STORM DRAIN BOND ISSUE PROJECT NO. 17

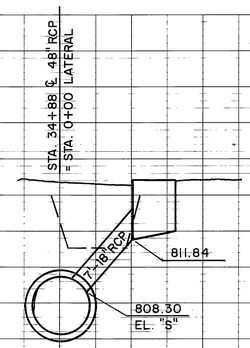
PROJECT NO 1-0-071
DRAWING NO. 1-349
SHEET NO. 1 OF 5

D-296

32 33 34 35

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.





CONNECTOR PIPE PROFILE

5' 0 5'

STA. 34+91

HYDRAULIC DATA
Q=136 cfs
V=10.8 fps

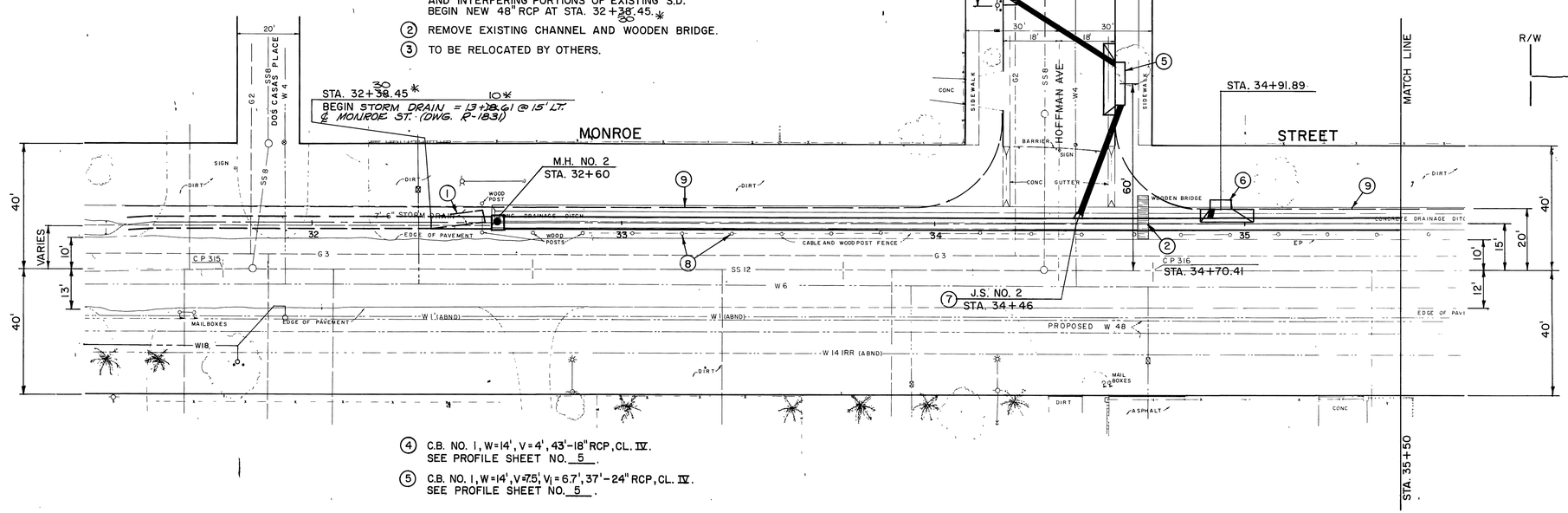
HYDRAULIC DATA
Q=115 cfs
V=9.2 fps

PROFILE

(1) REMOVE 16'* OF EXISTING 48"RCP, CONCRETE COLLARS AND INTERFERING PORTIONS OF EXISTING S.D. BEGIN NEW 48" RCP AT STA. 32+38.45.*30

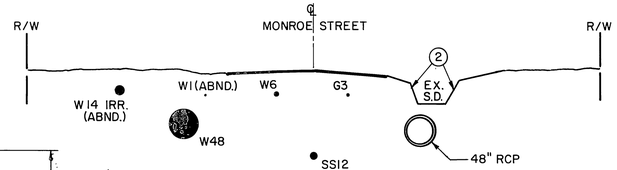
(2) REMOVE EXISTING CHANNEL AND WOODEN BRIDGE.

(3) TO BE RELOCATED BY OTHERS.



(4) C.B. NO. 1, W=14', V=4', 43'-18" RCP, CL. IV. SEE PROFILE SHEET NO. 5.

(5) C.B. NO. 1, W=14', V=7.5', V1=6.7', 37'-24" RCP, CL. IV. SEE PROFILE SHEET NO. 5.



SECTION AT
STA. 33+50

(6) C.B. NO. 1, W=7', V=4', 7'-18" RCP, CL. IV. SEE PROFILE THIS SHEET.

(7) J.S. NO. 2, A=70°, B=24", C=4.0', D=48", E=2.3', F=1.8', G=1.8', L=3.0'

(8) REMOVE EXISTING CABLE AND WOOD POST FENCE.

(9) NEW CURB, SEE CITY OF RIVERSIDE DRAWING R-1831, SHEET NOS. 2 AND 3.

(10) BLANKET SS8.

*AS BUILT 9-21-77 JN.

PLAN

1"=20'

20' 0 20'

BENCH MARK CP 316
N & T ON THE MONROE ST BASELINE AT STA. 33+00± EL. 815.706

SCALE:

DATE:

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: A.G.K
DRAWN BY: A.G.K
DATE DRAWN:
CHECKED BY:

APPROVED BY:
CHIEF ENGINEER R.E./NO. 8822
DATE: 8-11-76

MONROE STORM DRAIN

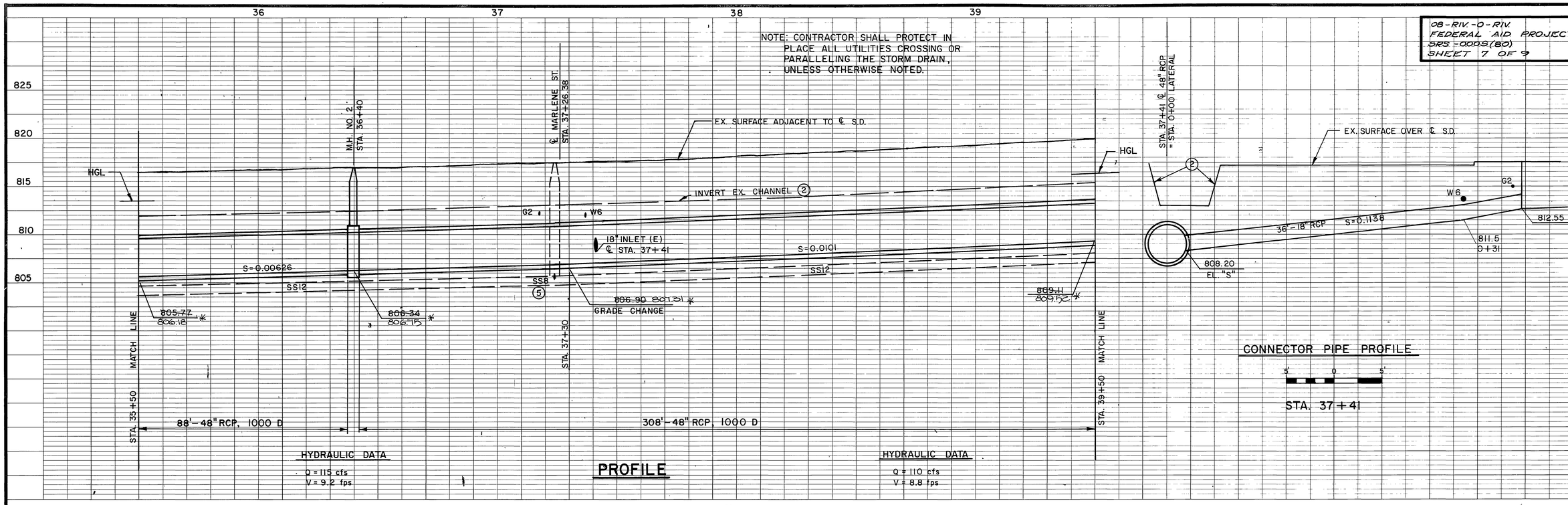
STA. 32+38.45 TO STA. 35+50

1970 STORM DRAIN BOND ISSUE PROJECT NO. 17

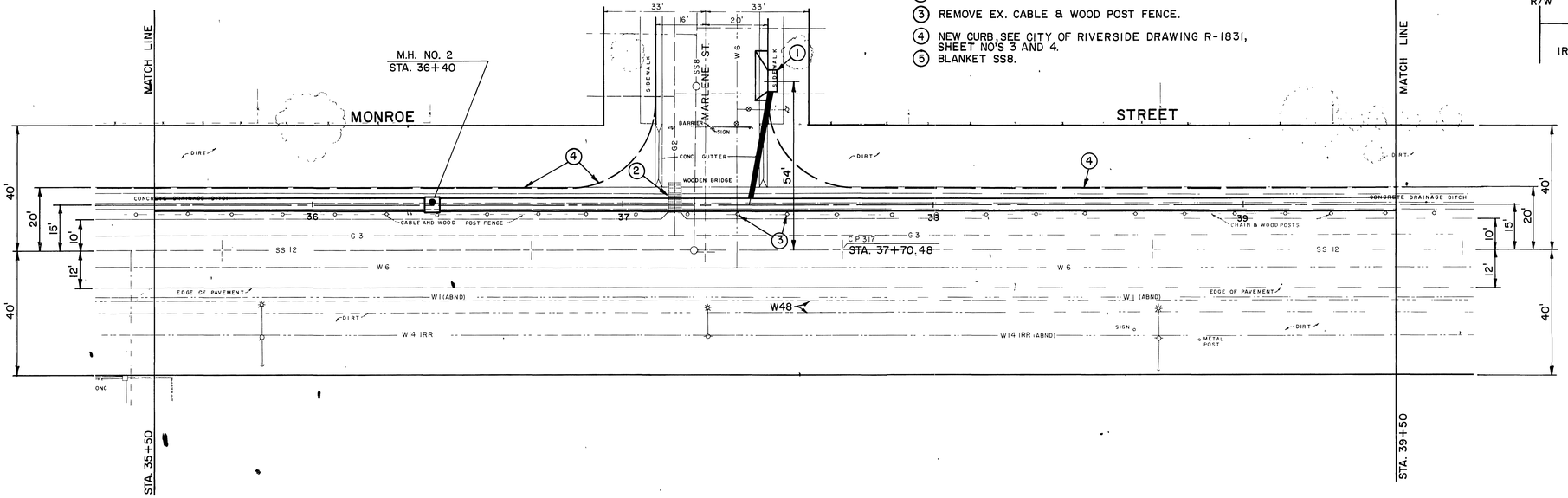
PROJECT NO. 1-0-071
DRAWING NO. 1-349
SHEET NO 2 OF 5

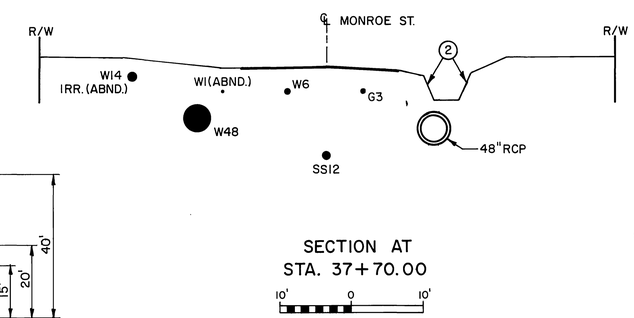
D-296

08-RIV.-0-RIV.
FEDERAL AID PROJECT
SRS-0005(80)
SHEET 7 OF 9



(1) C.B. NO. 1, W=7', V=5', 36'-18" RCP, CL. IV. SEE PROFILE THIS SHEET.
(2) REMOVE EX. CHANNEL & WOOD BRIDGE.
(3) REMOVE EX. CABLE & WOOD POST FENCE.
(4) NEW CURB, SEE CITY OF RIVERSIDE DRAWING R-1831, SHEET NO'S 3 AND 4.
(5) BLANKET SS8.





SECTION AT STA. 37+70.00

*AS BUILT 9-21-77 J.V.

PLAN
1"=20'

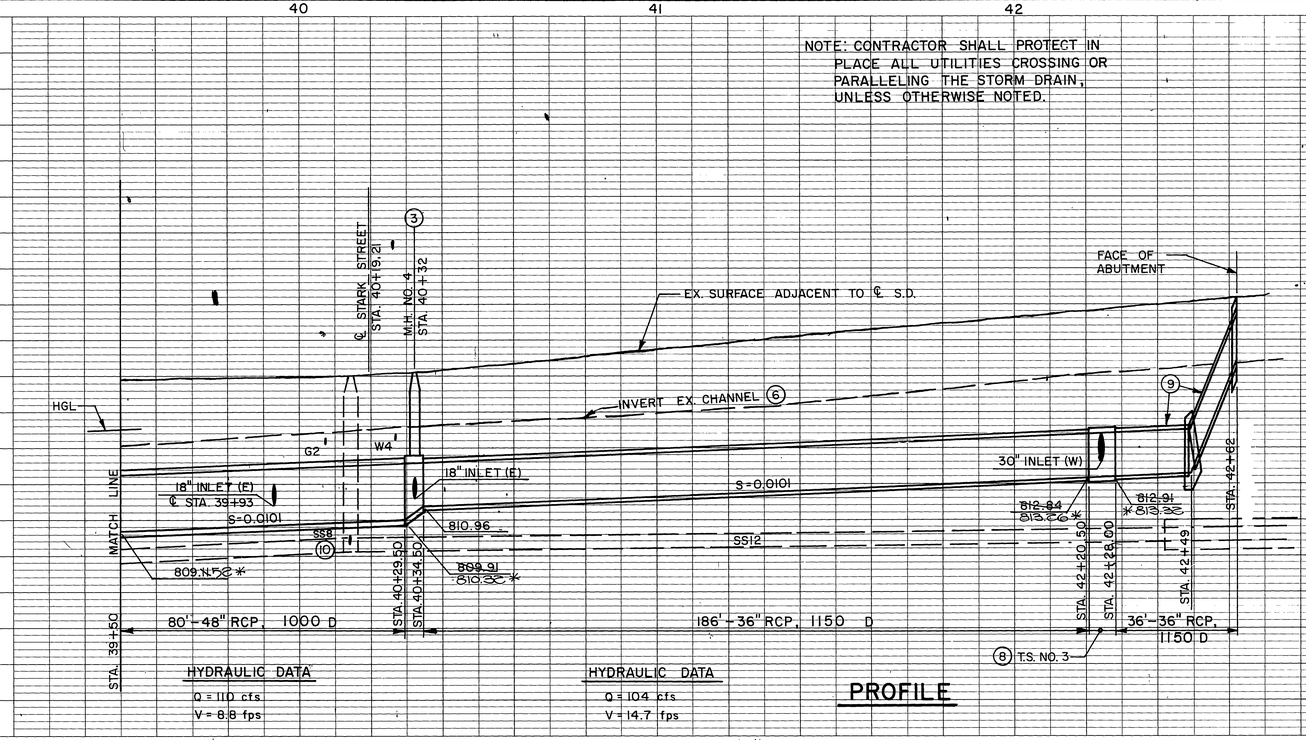
BENCH MARK CP317 SET N & T ON THE MONROE ST. BASELINE AT STA. 36+00± EL. 817.736	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	MONROE STORM DRAIN
SCALE:		DESIGNED BY: A.G.K. / DRAWN BY: R.Z.S. / DATE DRAWN: / CHECKED BY:	STA. 35+50 TO STA. 39+50
DATE:	REF. / DESCRIPTION / APPR. / DATE	APPROVED BY: John W. Bryant CHIEF ENGINEER R.E. NO 8822 / DATE: 8-11-76	1970 STORM DRAIN BOND ISSUE PROJECT NO. 17

PROJECT NO. 1-0-071
DRAWING NO. 1-349
SHEET NO. 3 OF 5

D-296

OB-R/W-O-R/W
FEDERAL AID PROJECT
SRS-0008(80)
SHEET 8 OF 9

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.



HYDRAULIC DATA
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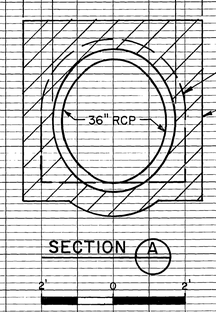
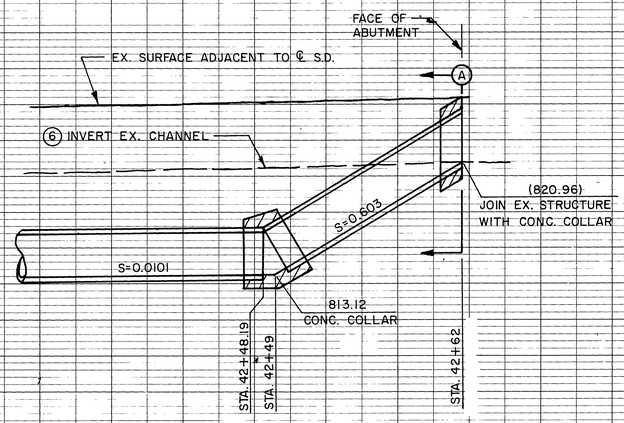
V = 8.8 fps

HYDRAULIC DATA
Q = 104 cfs
V = 14.7 fps

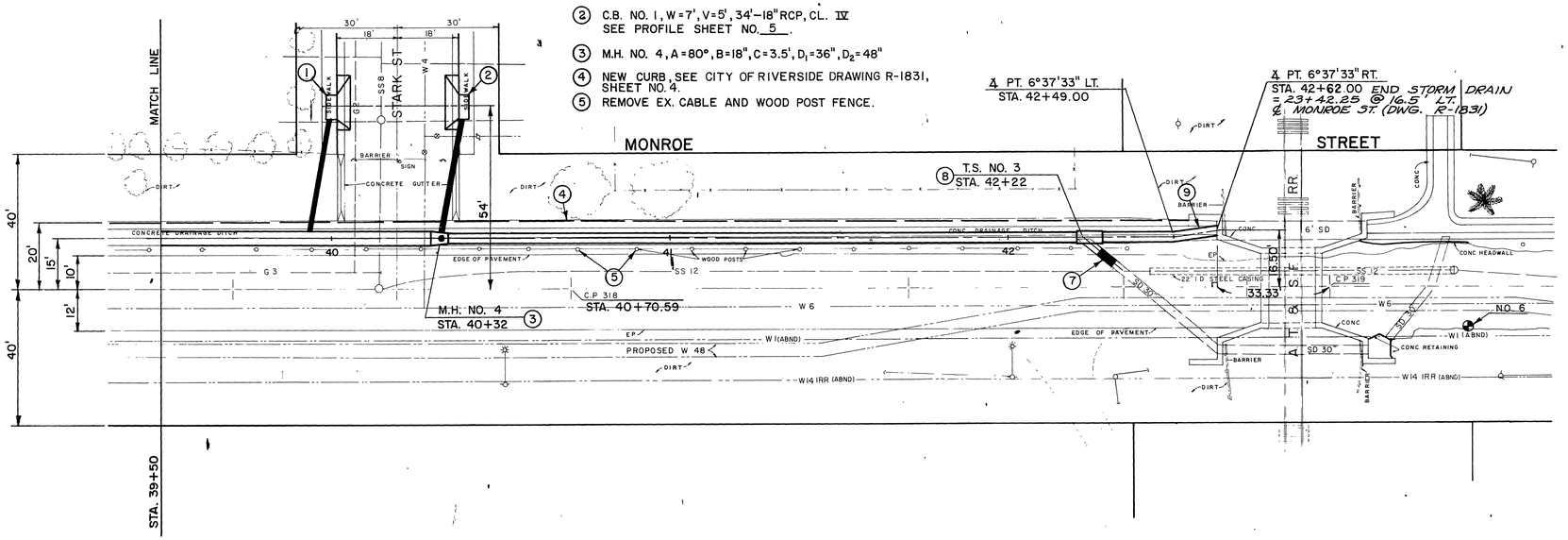
PROFILE



HYDRAULIC DATA
Q = 100 cfs
V = 14.2 fps



CONNECTION TO EXISTING STRUCTURE DETAIL



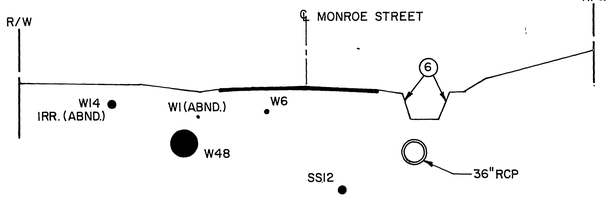
① C.B. NO. 1, W=7', V=~~3~~ 2.5±*, 35'-18" RCP, CL. IV
SEE PROFILE SHEET NO. 5.

② C.B. NO. 1, W=7', V=5', 34'-18" RCP, CL. IV
SEE PROFILE SHEET NO. 5.

③ M.H. NO. 4, A=80°, B=18", C=3.5', D_1=36", D_2=48"

④ NEW CURB, SEE CITY OF RIVERSIDE DRAWING R-1831, SHEET NO. 4.

⑤ REMOVE EX. CABLE AND WOOD POST FENCE.



SECTION AT
STA. 41+50.00

⑥ REMOVE EX. CHANNEL.

⑦ REMOVE INTERFERING PORTIONS OF EX. S.D.30. CONNECT WITH 8'-30" RCP 1300 D. SEE PROFILE SHEET NO. 5.

⑧ T.S. NO. 3, A=40°, B=30", C=6.5', D=36".

⑨ SEE DETAIL HEREON.

⑩ BLANKET SS8.

* AS BUILT 9-21-77 JN.

PLAN

1"=20'

20' 0 20'

BENCH MARK CP 318
N & T ON THE MONROE ST. BASELINE AT STA. 39+00 ±
EL. 821.263

SCALE:

DATE:

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: A.G.K.
DRAWN BY:
DATE DRAWN:
CHECKED BY:
APPROVED BY:
CHIEF ENGINEER R.E. NO. 8822
DATE:

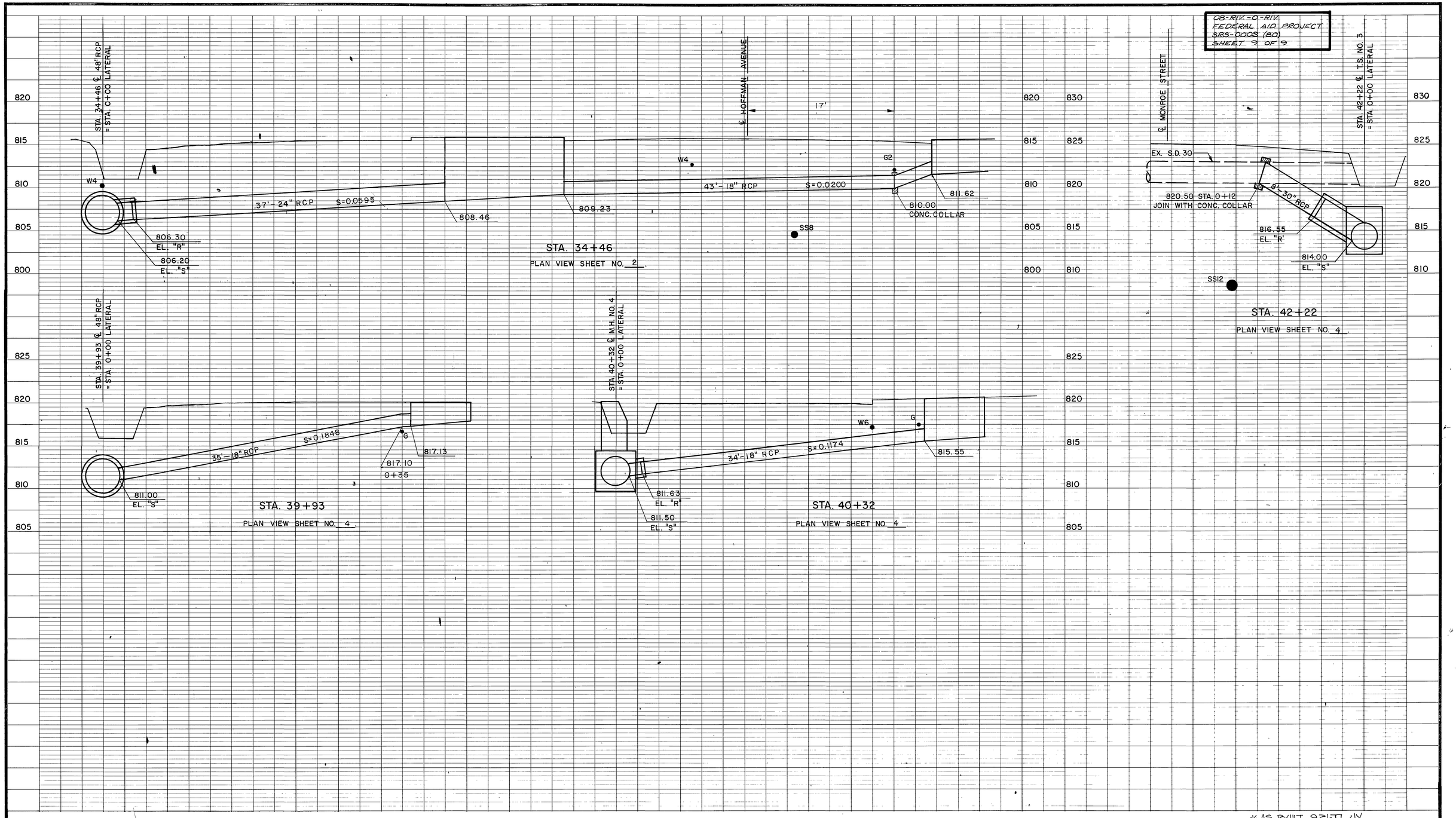
MONROE STORM DRAIN

STA. 39+50 TO STA. 42+62

1970 STORM DRAIN BOND ISSUE PROJECT NO. 17

PROJECT NO. 1-0-071
DRAWING NO. 1-349
SHEET NO. 4 OF 5

D-296



* AS BUILT 9-21-77 AV.

REVISIONS			
REF.	DESCRIPTION	APP'R	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: A.G.K.
DRAWN BY: [illegible]
DATE DRAWN:
CHECKED BY:

APPROVED BY: [illegible]
CHIEF ENGINEER R.E. NO. 8822
DATE: [illegible]

MONROE STORM DRAIN

CONNECTOR PIPE PROFILES

1970 STORM DRAIN BOND ISSUE PROJECT NO. 17

PROJECT NO. 1-0-071
DRAWING NO. 1-349
SHEET NO. 5 OF 5

D-296