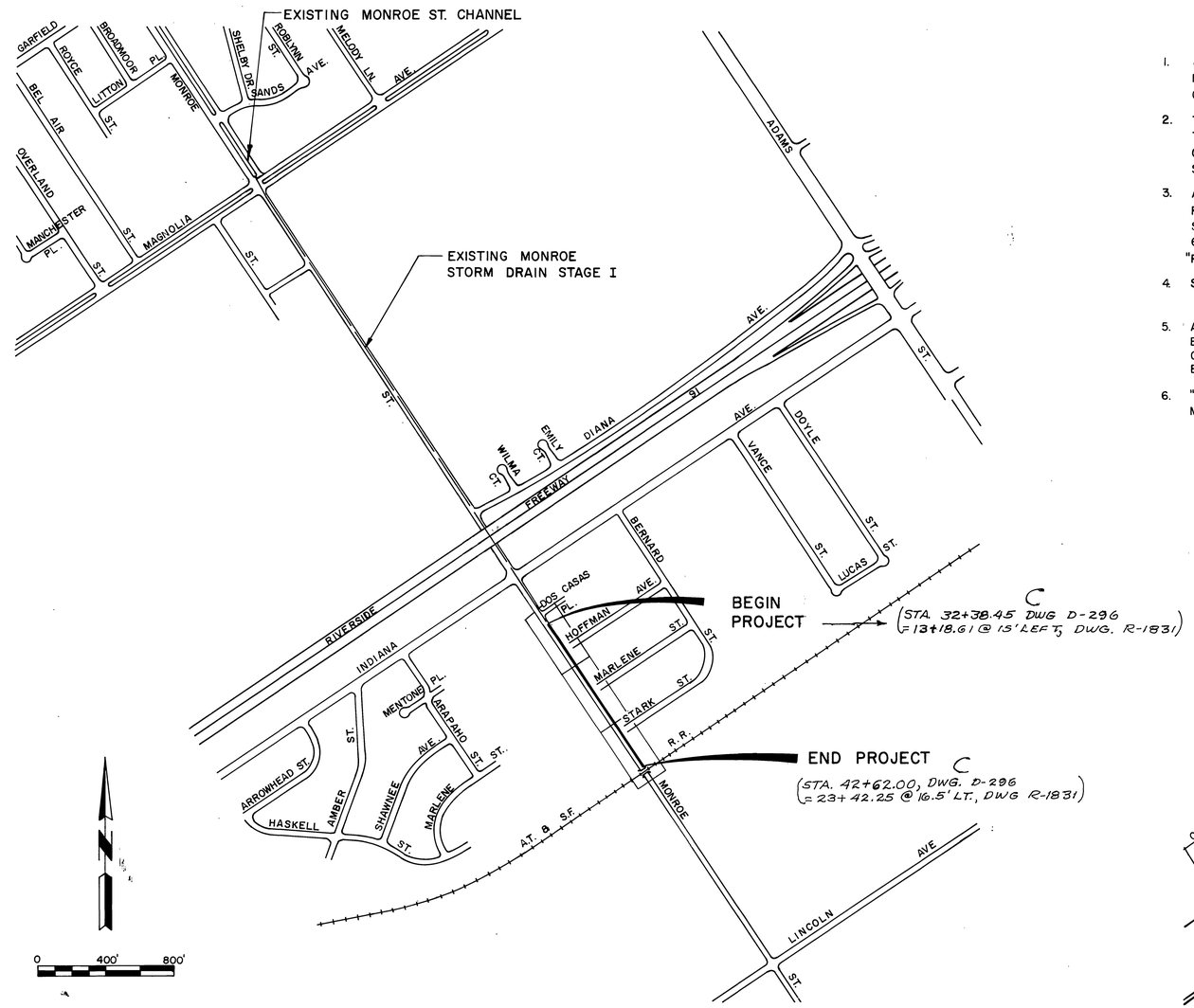
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT



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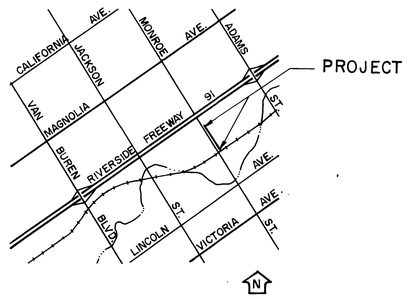
R.C.F.C. & W.C.D. STANDARD DRAWINGS

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
M807	SANITARY SEWER PROTECTION.	21
M814	ABBREVIATIONS AND SYMBOLS.	22
M815	BEDDING AND PAYLINES.	23
CB106	CATCH BASIN REINFORCEMENT	24



VICINITY MAP
NO SCALE

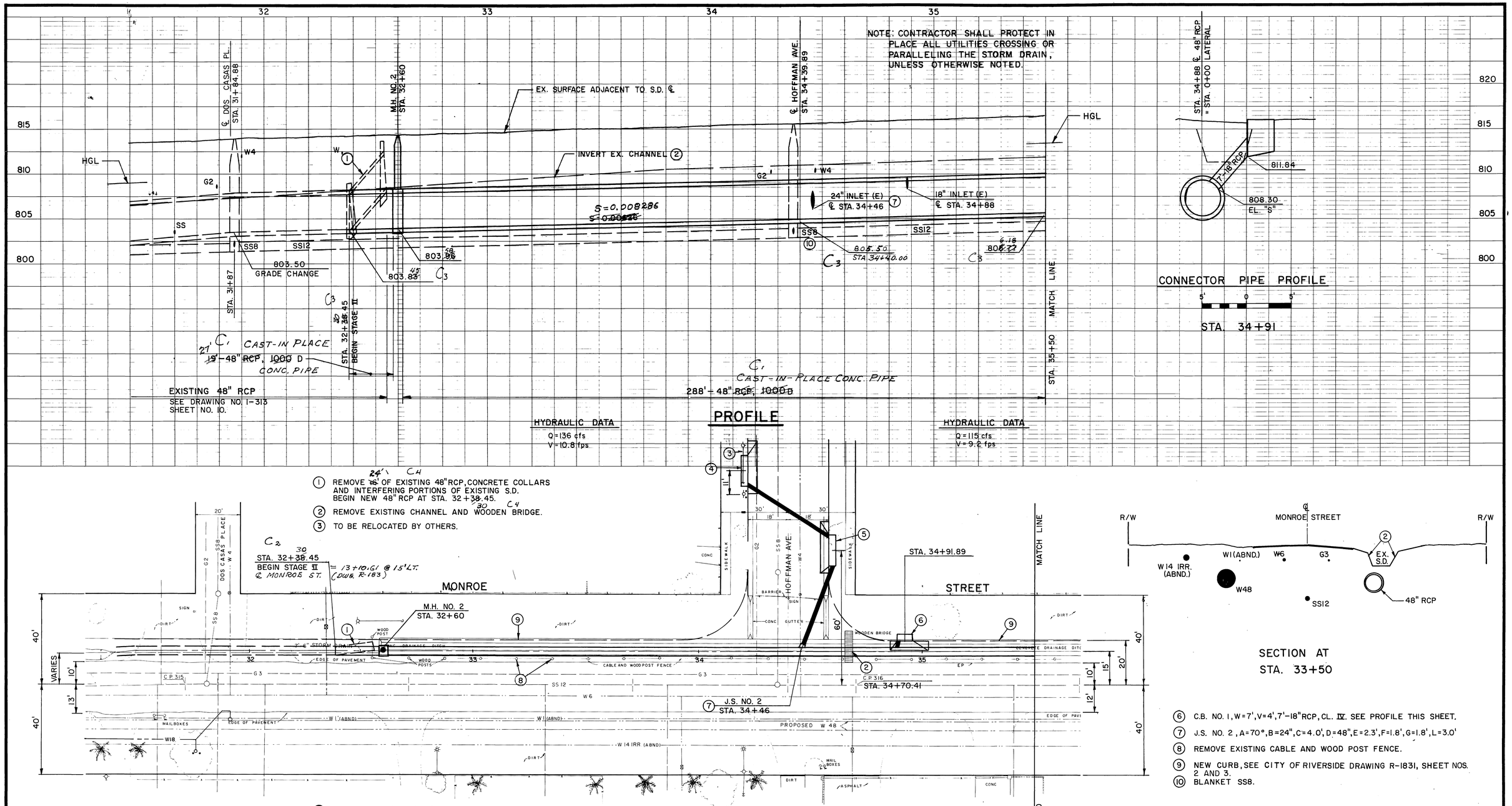
INDEXED 9-3-87 LTH

Note: Monroe St Widening from Indiana to A.T. & S.F.R.R See City of Riverside P.W.D. Dwg. No. R-1831 1 of 4

D-525

REVISIONS					RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT		MONROE STORM DRAIN STAGE II TITLE SHEET 1970 STORM DRAIN BOND ISSUE PROJECT NO. 17	PROJECT NO. 1-0-071
					DESIGNED BY: A.G.K.	APPROVED BY: Arthur W. Bryant CHIEF ENGINEER R.E. NO. 6822		DRAWING NO. 1-349
					DRAWN BY: S. Moody			
					DATE DRAWN:	DATE: 8-11-76		SHEET NO. 1 OF 24
C	Sta. Change	WDW	8/20/77		CHECKED BY:			
REF.	DESCRIPTION	APPR	DATE					

AS BUILT 9/21/77



NOTE: Refer to C.R.P.W.D. Dwg. No. R-1831 Sh. 1 to 4 MONROE ST WIDENING From Indiana to A.T. & S.F. R.R.

INDEXED 9-3-87 LH

D-525

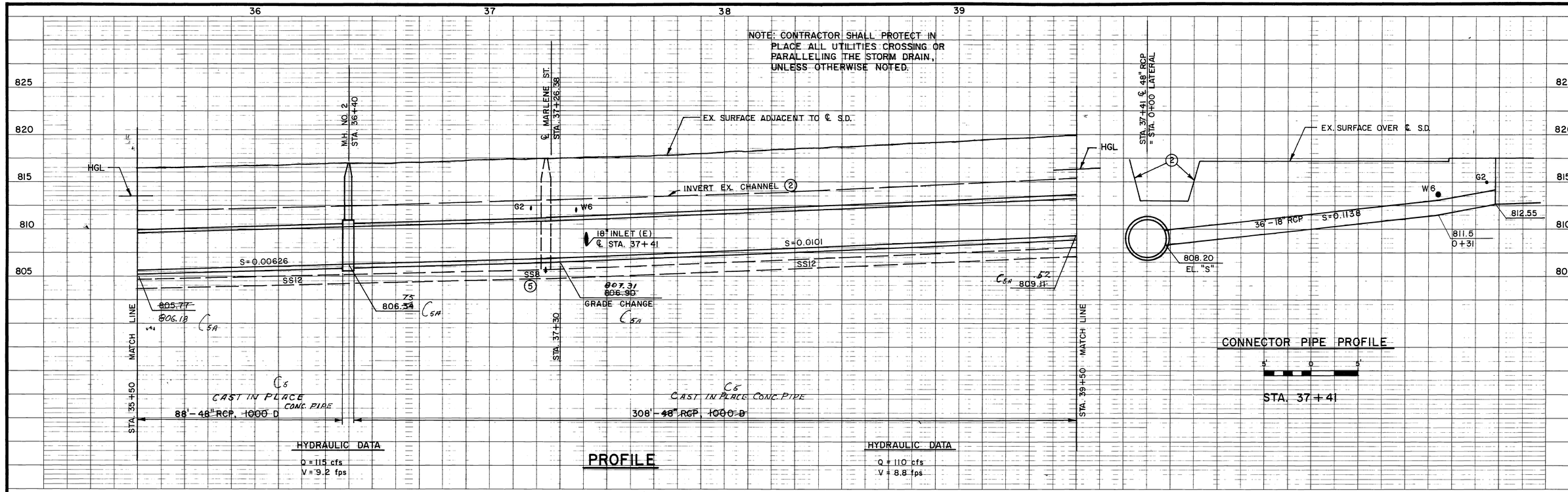
PLAN 1"=20'

BENCH MARK CP 316 N & T ON THE MONROE ST BASELINE AT STA. 33+00± EL. 815.706	REVISIONS			RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	MONROE STORM DRAIN STAGE II STA. 32+38.45 TO STA. 35+50	PROJECT NO. 1-0-071
SCALE:	C4 Change in Note (1)	WDG	26 OCT 77	DESIGNED BY: A.G.K	1970 STORM DRAIN BOND ISSUE PROJECT NO. 17	DRAWING NO. 1-349
	C3 Elev. & Sta. Change	WDG	26 OCT 77	DRAWN BY: A.G.K		
	C2 Sta. Change	WDG	26 OCT 77	DATE DRAWN:		SHEET NO. 2 OF 24
DATE:	C1 CAST IN PLACE CONC. PIPE Length change	WDG	26 OCT 77	CHECKED BY:		
	REF. DESCRIPTION	APPR.	DATE	APPROVED BY: John W. Bryant CHIEF ENGINEER R.E. NO. 8822 DATE: 8-11-76		

AS BUILT 9/21/77

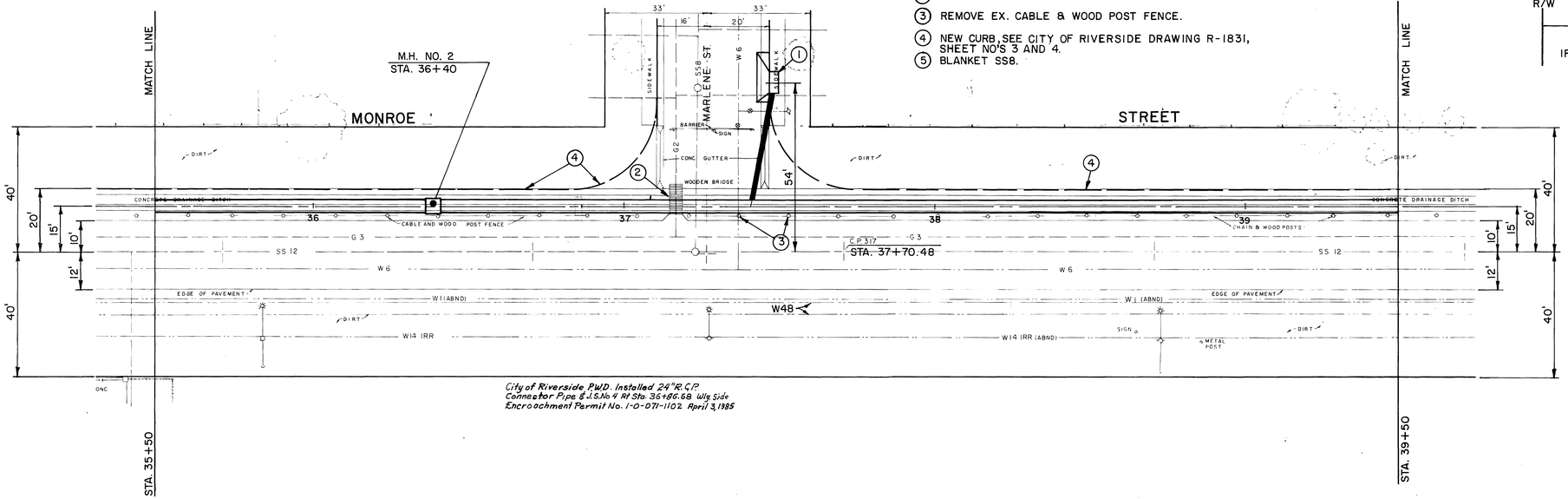
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN, UNLESS OTHERWISE NOTED.

PROFILE

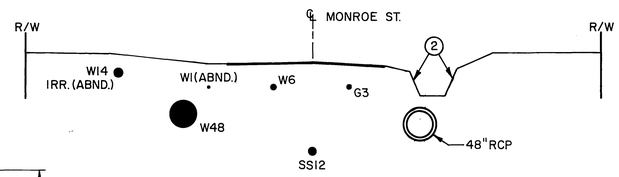


(1) C.B. NO. 1, W=7', V=5', 36"-18" RCP, CL. IV. SEE PROFILE THIS SHEET.
(2) REMOVE EX. CHANNEL & WOOD BRIDGE.
(3) REMOVE EX. CABLE & WOOD POST FENCE.
(4) NEW CURB, SEE CITY OF RIVERSIDE DRAWING R-1831, SHEET NO'S 3 AND 4.
(5) BLANKET SS8.

PLAN



City of Riverside P.W.D. Installed 24" R.C.P. Connector Pipe & J.S. No 4 Rt Sta. 36+86.68 Wly Side
Encroachment Permit No. 1-0-071-1102 April 3, 1985



SECTION AT STA. 37+70.00

10' 0 10'

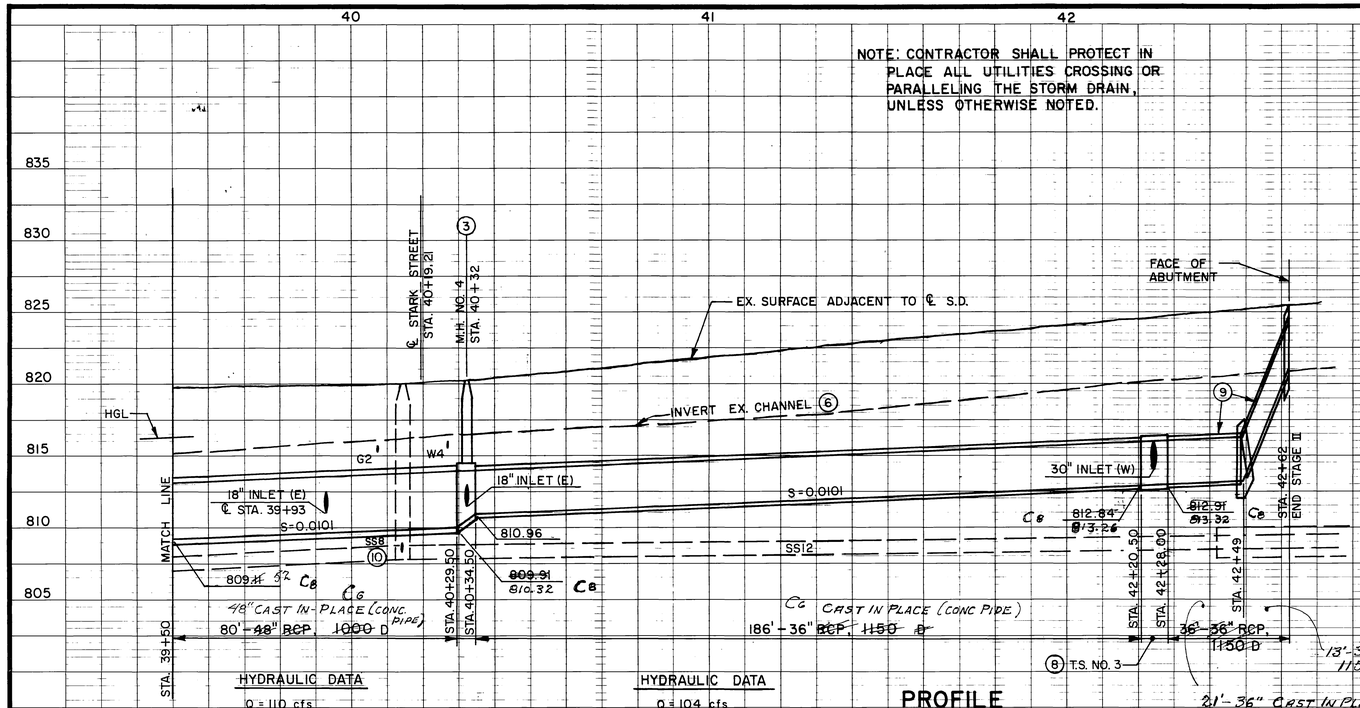
INDEXED 9-3-87 LH

D-525

AS BUILT 2/21/77

BENCH MARK CP 317 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 STAGE II STA. 35+50 TO STA. 39+50 1970 STORM DRAIN BOND ISSUE PROJECT NO. 17	PROJECT NO. 1-0-071
SCALE:				DESIGNED BY: A.G.K.		DRAWING NO. 1-349
DATE:	C5A	Elev. Change	11/30/76 ZK 12/9/76	DRAWN BY: R.A.A.		SHEET NO. 3 OF 24
	C5	Cast In Place Conc. Pipe	11/30/76 ZK 12/9/76	DATE DRAWN:		
	REF.	DESCRIPTION	APPR. DATE	CHECKED BY:		
				APPROVED BY: John W. Bryant CHIEF ENGINEER R.E. NO. 8822 DATE: 8-11-76		

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

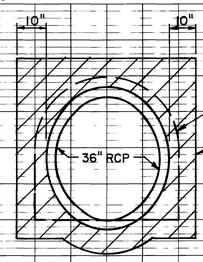


PROFILE

HYDRAULIC DATA
Q = 110 cfs
V = 8.8 fps

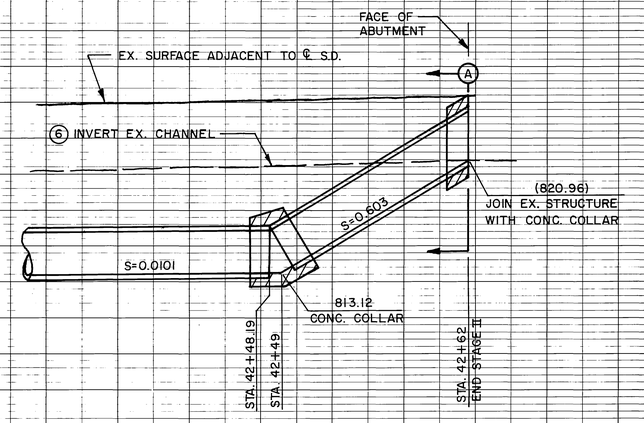
HYDRAULIC DATA
Q = 104 cfs
V = 14.7 fps

HYDRAULIC DATA
Q = 100 cfs
V = 14.2 fps



SECTION (A)

2' 0 2'



CONNECTION TO EXISTING STRUCTURE DETAIL

C9 ① C.B. NO. 1, W=7', V=2.5'±, 35'-18" RCP, CL. IV
SEE PROFILE SHEET NO. 5.

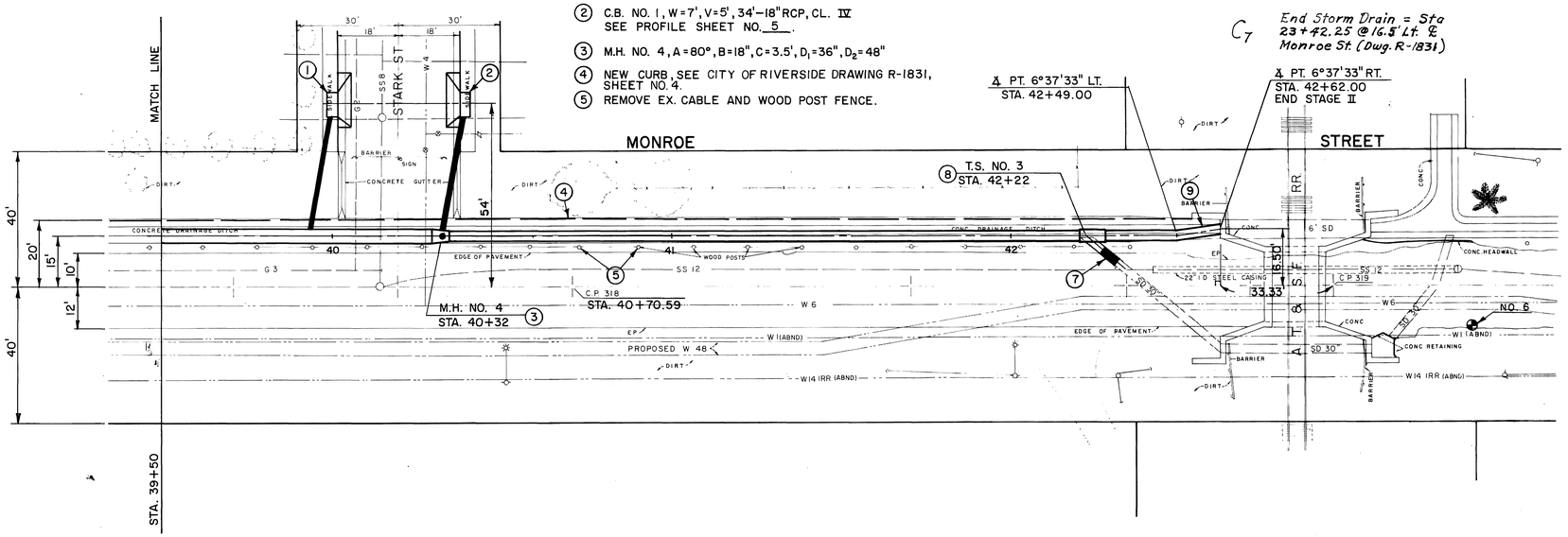
② C.B. NO. 1, W=7', V=5', 34'-18" RCP, CL. IV
SEE PROFILE SHEET NO. 5.

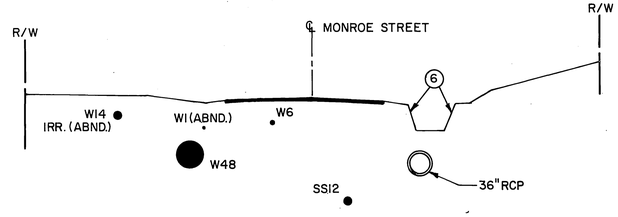
③ M.H. NO. 4, A=80°, B=18", C=3.5', D_1=36", D_2=48"

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

⑤ REMOVE EX. CABLE AND WOOD POST FENCE.

C7 End Storm Drain = Sta 23+42.25 @ 16.5' Lt. ℄ Monroe St. (Dwg. R-1831)





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.

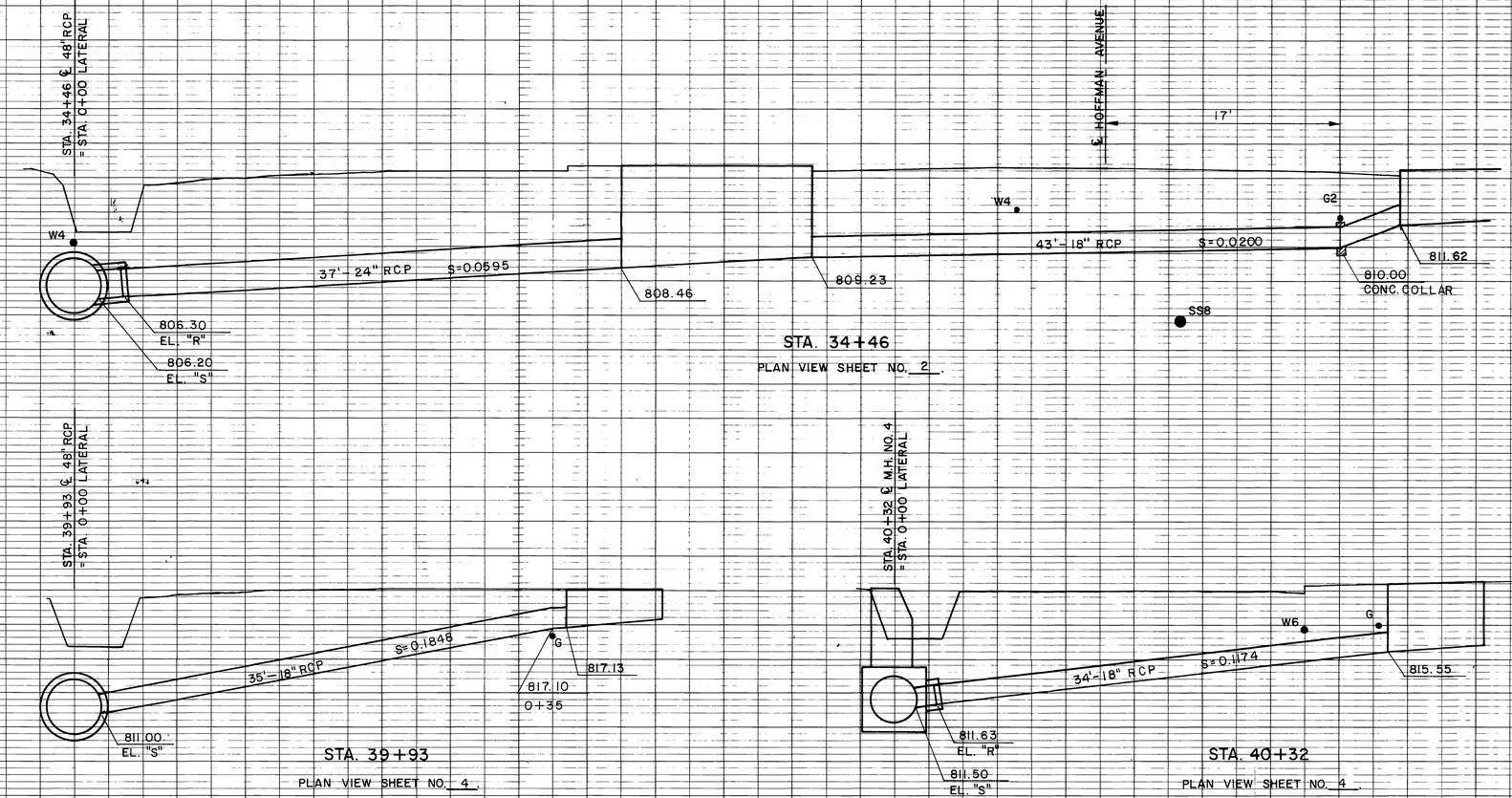
PLAN
1"=20'
20' 0 20'

INDEXED 9-3-87 LFH

D-525

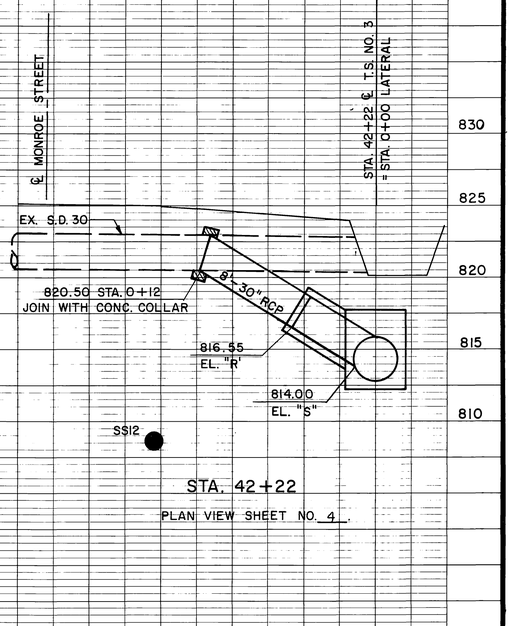
BENCH MARK CP 318 N & T ON THE MONROE ST. BASELINE AT STA. 39+00 ± EL. 821.263	REVISIONS			RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	MONROE STORM DRAIN STAGE II STA. 39+50 TO STA. 42+62 1970 STORM DRAIN BOND ISSUE PROJECT NO. 17	PROJECT NO. 1-0-071
	C9 C.B. No. 1, V= change (1)	11/1/74	76-0077	DESIGNED BY: A.G.K.		DRAWING NO. 1-349
SCALE:	C8 EL. Change	11/1/74	76-0077	DRAWN BY: B.A.S.		
	C7 Sta. Change	11/1/74	76-0077	DATE DRAWN:		SHEET NO. 4 OF 24
DATE:	C6 Cast in Place (Conc Pipe) & Length	11/1/74	76-0077	CHECKED BY:		
	REF. DESCRIPTION	APPR.	DATE	APPROVED BY: John W. Boysen CHIEF ENGINEER R.E. NO. 8822 DATE: 8-11-76		

AS BUILT 3/21/77



STA. 34+46

PLAN VIEW SHEET NO. 2



STA. 42+22

PLAN VIEW SHEET NO. 4

STA. 39+93

PLAN VIEW SHEET NO. 4

STA. 40+32

PLAN VIEW SHEET NO. 4

INDEXED 9-3-87 HH

D-525

5' 0 5'

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
	No Change		

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

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

APPROVED BY: John W. Bryant
CHIEF ENGINEER R.E. NO. 8822
DATE: 8-11-76

MONROE STORM DRAIN

STAGE II

CONNECTOR PIPE PROFILES

1970 STORM DRAIN BOND ISSUE PROJECT NO. 17

PROJECT NO. 1-0-071
DRAWING NO. 1-349
SHEET NO. 5 OF 24

AS BUILT 9/21/77