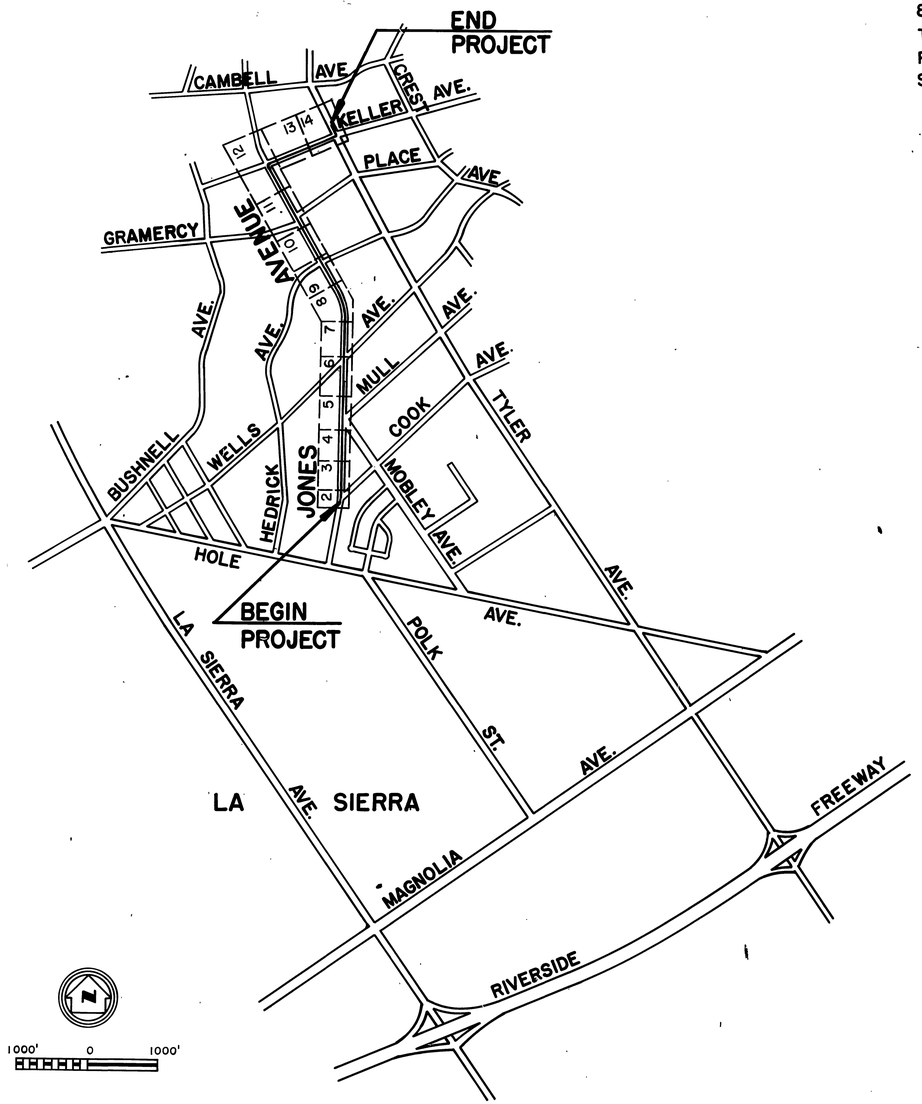
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

LEGEND

ANCHOR & POLE	
CATCH BASIN	
ELECTRIC UNDERGROUND	E
FENCE (NOT CHAIN LINK)	X
FENCE (CHAIN LINK EXIST.)	
FIRE HYDRANT	
FLOW LINE EXIST.	
GAS LINE	G
MAIL BOX (M.B.)	
MANHOLE	
POWER POLE	
SANITARY SEWER LINE	SS14
SOIL BORINGS	
STORM DRAIN LINE	SD18
STREET LIGHT	
STREET RIGHT OF WAY	
TELEPHONE CABLE (BURIED)	T
WATER LINE	W
WATER METER	
WATER VALVE	
HYDRAULIC GRADE LINE	

ABBREVIATIONS

AP	ANGLE POINT
ASPH	ASPHALT
BC	BEGINNING CURVE
CB	CATCH BASIN
CFS	CUBIC FEET PER SECOND
CMP	CORRUGATED METAL PIPE
CL	CLASS
CO	CLEAN OUT
CONC	CONCRETE
CP	CONTROL POINT
D/W	DRIVEWAY
EC	END OF CURVE
EL	ELEVATION
E/P	EDGE OF PAVEMENT
FH	FIRE HYDRANT
FL	FLOW LINE
FPS	FEET PER SECOND
HGL	HYDRAULIC GRADE LINE
IP	IRON PIPE
JS	JUNCTION STRUCTURE
MH	MANHOLE
N&T	NAIL AND TIN
PRC	POINT OF REVERSE CURVE
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
S	SLOPE
SD	STORM DRAIN
S/W	SIDEWALK
TEL	TELEPHONE
TS	TRANSITION STRUCTURE
℄	CENTER LINE
LD	LOCAL DEPRESSION
TC	TOP OF CURB
TCE	TEMPORARY CONSTRUCTION EASEMENT
AC	ASPHALTIC CONCRETE



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GENERAL NOTES

1. TIES FOR CATCH BASINS AS SHOWN ON THE DRAWINGS ARE FROM THE CURB RETURN TO CENTER LINE OF CATCH BASIN, UNLESS OTHERWISE SHOWN.
2. JUNCTION STRUCTURE 4 SHALL BE USED FOR ALL INLET CONNECTIONS TO THE MAINLINE PIPE, UNLESS OTHERWISE SHOWN.
3. PAVEMENT REPLACEMENT SHALL BE 3" OF ASPHALTIC CONCRETE AND 6" OF CLASS 3 BASE.
4. ALL OPENINGS RESULTING FROM CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES SHALL BE SEALED WITH 8" OF BRICK AND MORTAR OR 6" OF CONCRETE UNLESS OTHERWISE SHOWN.

D-292

BENCH MARK	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
SCALE: AS NOTED	APPROVED BY:	REF. DESCRIPTION APPR. DATE	DESIGNED BY: D.G.
DATE:	DATE: 2/21/73 REGISTERED CIVIL ENGINEER NO. 9876		DRAWN BY: R.L.T. DATE DRAWN: 10-72 CHECKED BY: L.A.W.

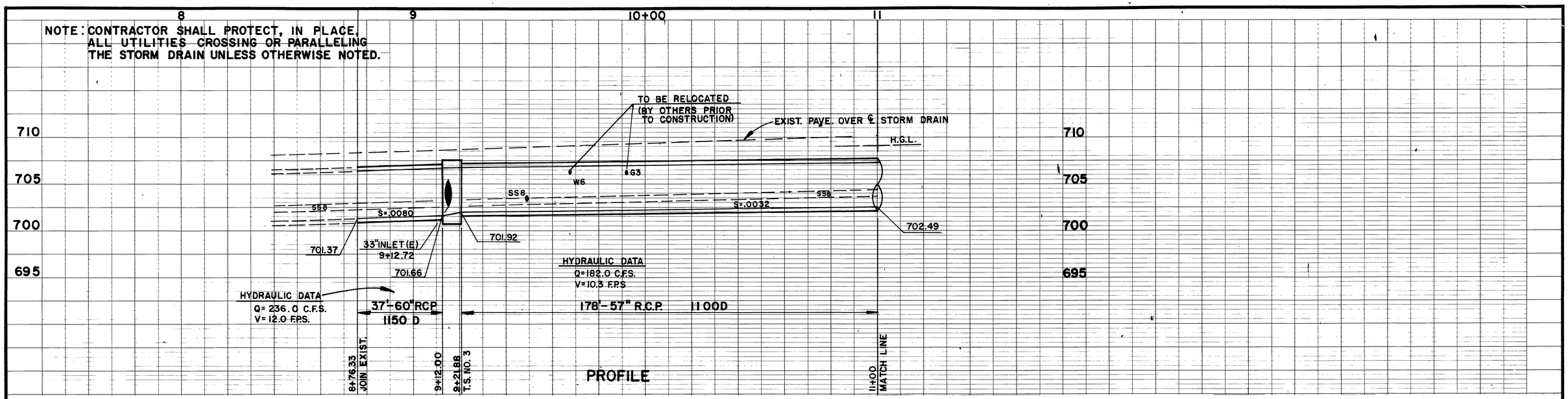
APPROVED BY: John W. Bexat, CHIEF ENGINEER R.E. NO. 8822, DATE: 3-7-73

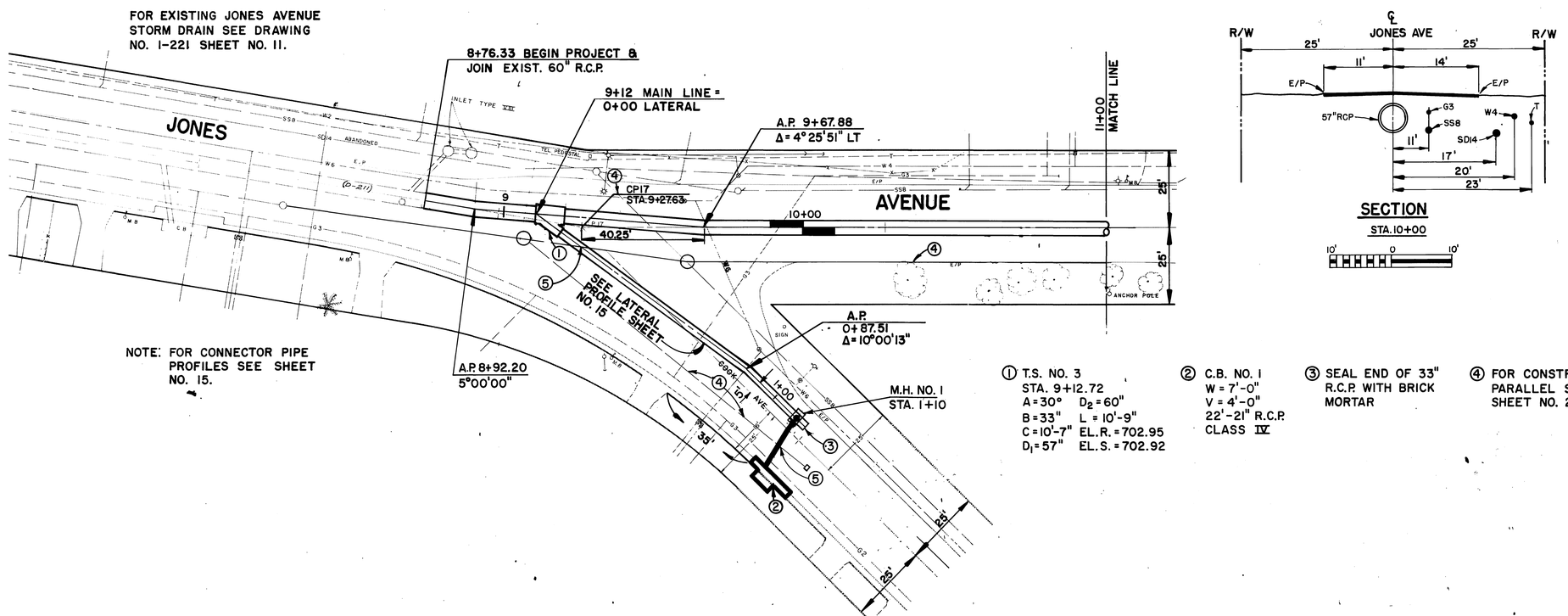
LA SIERRA CHANNEL
JONES AVENUE STORM DRAIN
TITLE SHEET
1970 STORM DRAIN BOND ISSUE PROJECT NO. 22

PROJECT NO. 1-0-063
DRAWING NO. 1-289
SHEET NO. 1 OF 51

AS BUILT

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





① T.S. NO. 3
STA. 9+12.72
A=30° D_2=60"
B=33" L=10'-9"
C=10'-7" EL.R.=702.95
D_1=57" EL.S.=702.92

② C.B. NO. 1
W=7'-0"
V=4'-0"
22'-21" R.C.P.
CLASS IV

③ SEAL END OF 33" R.C.P. WITH BRICK MORTAR

④ FOR CONSTRUCTION OF 8" PARALLEL SEWER SEE SHEET NO. 20

⑤ ENCASEMENT PER STANDARD M807

PLAN

1"=20'

20' 0 20'

BENCH MARK
C.P. 17— SET N.&T. FLUSH AT INTERSECTION OF JONES AVE. & COOK AVE.
EL. 708.750

DATE:

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
RIVERSIDE, CALIFORNIA

APPROVED BY: Ernest H. Webb
DATE: 2/21/73
REGISTERED CIVIL ENGINEER NO. 9876

REVISIONS

REF.	DESCRIPTION	APPR.	DATE
	No Changes		

AS BUILT

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: D. G.
DRAWN BY: R.L.T.
DATE DRAWN: 10-72
CHECKED BY: L.A.W.

APPROVED BY: John W. Bryant
CHIEF ENGINEER R.E. NO. 8822
DATE: 3-7-73

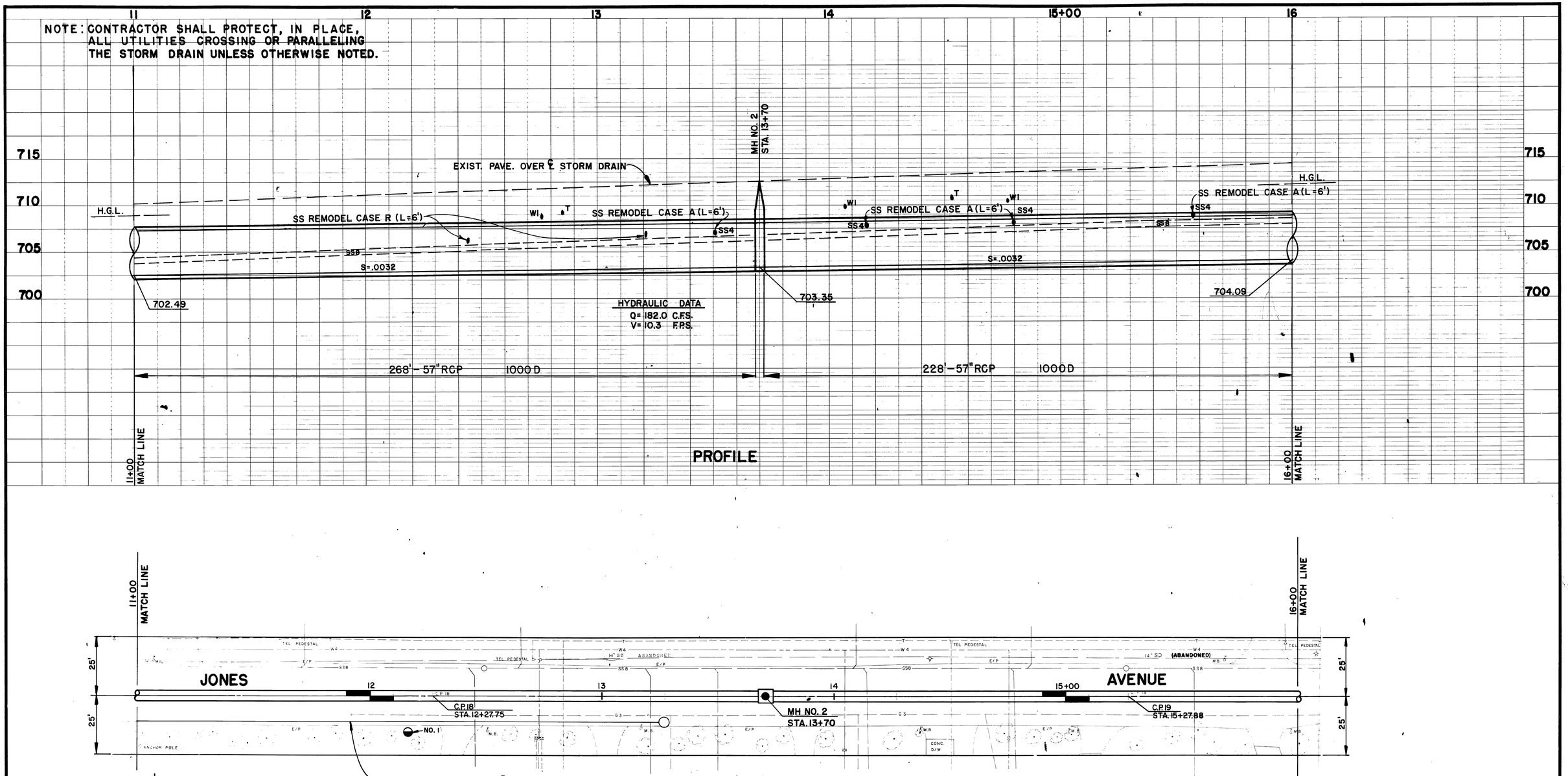
LA SIERRA CHANNEL
JONES AVENUE STORM DRAIN
STA. 8+76.33 TO STA. 11+00

1970 STORM DRAIN BOND ISSUE PROJECT NO. 22

PROJECT NO. 1-0-063
DRAWING NO. 1-289
SHEET NO. 2 OF 51

D-29R

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

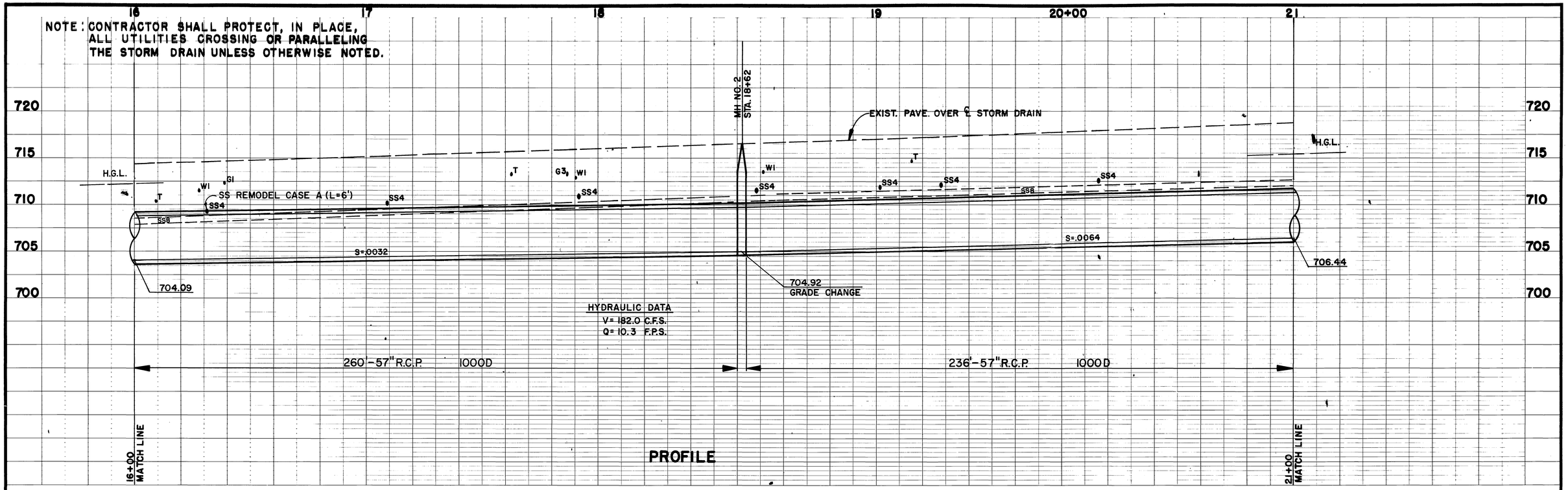


BENCH MARK C.P. 18 — SET N&T 300 FT. NORTH OF INTERSECTION OF JONES AVE. & COOK AVE. EL. 711.478 DATE:	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA APPROVED BY: Ernest H. Webb DATE: 2/21/73 REGISTERED CIVIL ENGINEER NO. 9876	REVISIONS REF. / DESCRIPTION / APPR. / DATE No Changes	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DESIGNED BY: D.G. DRAWN BY: R.L.T. DATE DRAWN: 10-72 CHECKED BY: L.A.W. APPROVED BY: John W. Bryant CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73	LA SIERRA CHANNEL JONES AVENUE STORM DRAIN STA. 11+00 TO STA. 16+00 1970 STORM DRAIN BOND ISSUE PROJECT NO. 22	PROJECT NO. 1-0-063 DRAWING NO. 1-289 SHEET NO. 3 OF 51

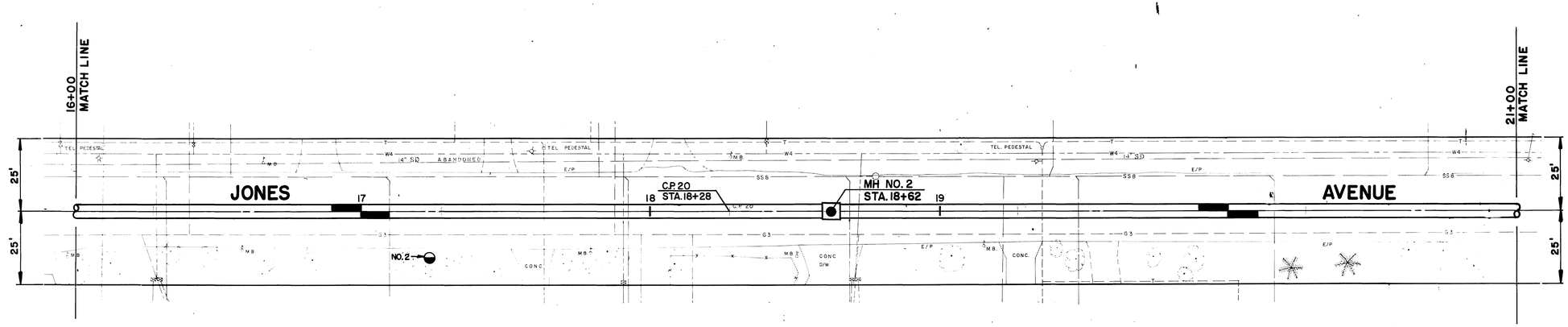
D-292

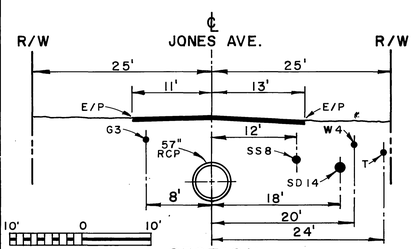
AS BUILT

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



PROFILE





SECTION
STA. 19+00

PLAN
1"=20'
20' 0 20'

BENCH MARK
C.P. 20 — SET N&T 900 FT. NORTH OF INTERSECTION OF JONES AVE. & COOK AVE.
EL. 716.370

DATE:

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
RIVERSIDE, CALIFORNIA

APPROVED BY: Donald N. Webb
DATE: 2/21/73 REGISTERED CIVIL ENGINEER NO. 9876

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
	No Changes		

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: D.G.
DRAWN BY: R.L.T.
DATE DRAWN: 10-72
CHECKED BY: L.A.W.

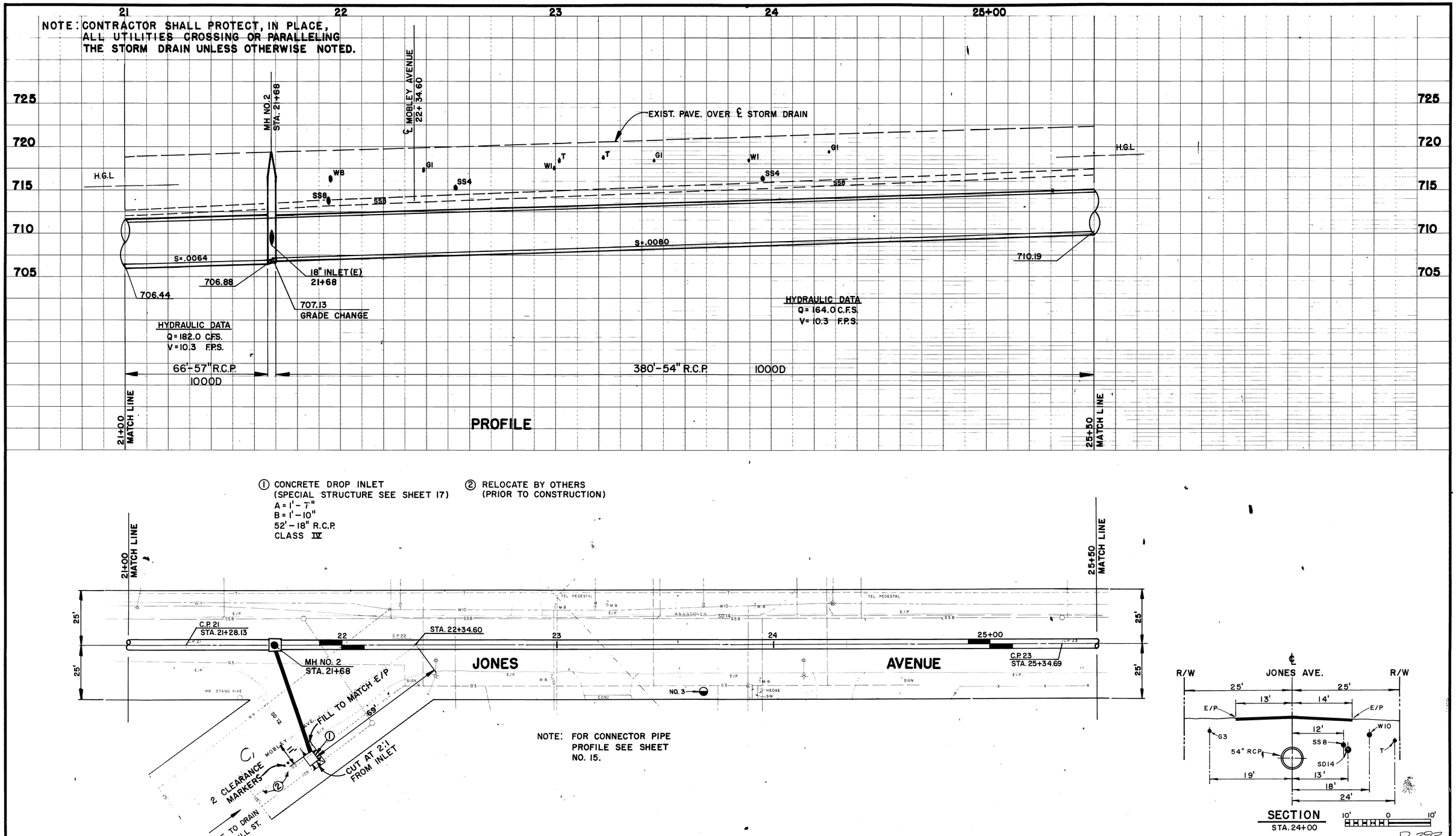
APPROVED BY: John W. Bryant
CHIEF ENGINEER R.E. NO. 8822
DATE: 3-7-73

LA SIERRA CHANNEL
JONES AVENUE STORM DRAIN
STA. 16+00 TO STA. 21+00
1970 STORM DRAIN BOND ISSUE PROJECT NO. 22

D-292

PROJECT NO. 1-0-063
DRAWING NO. 1-289
SHEET NO. 4 OF 51

AS BUILT

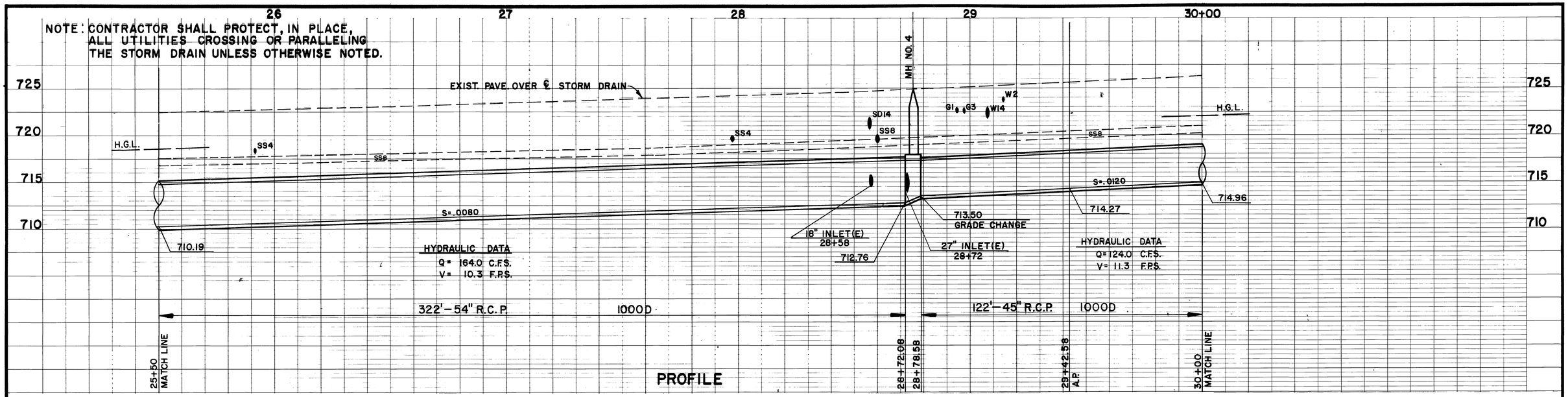


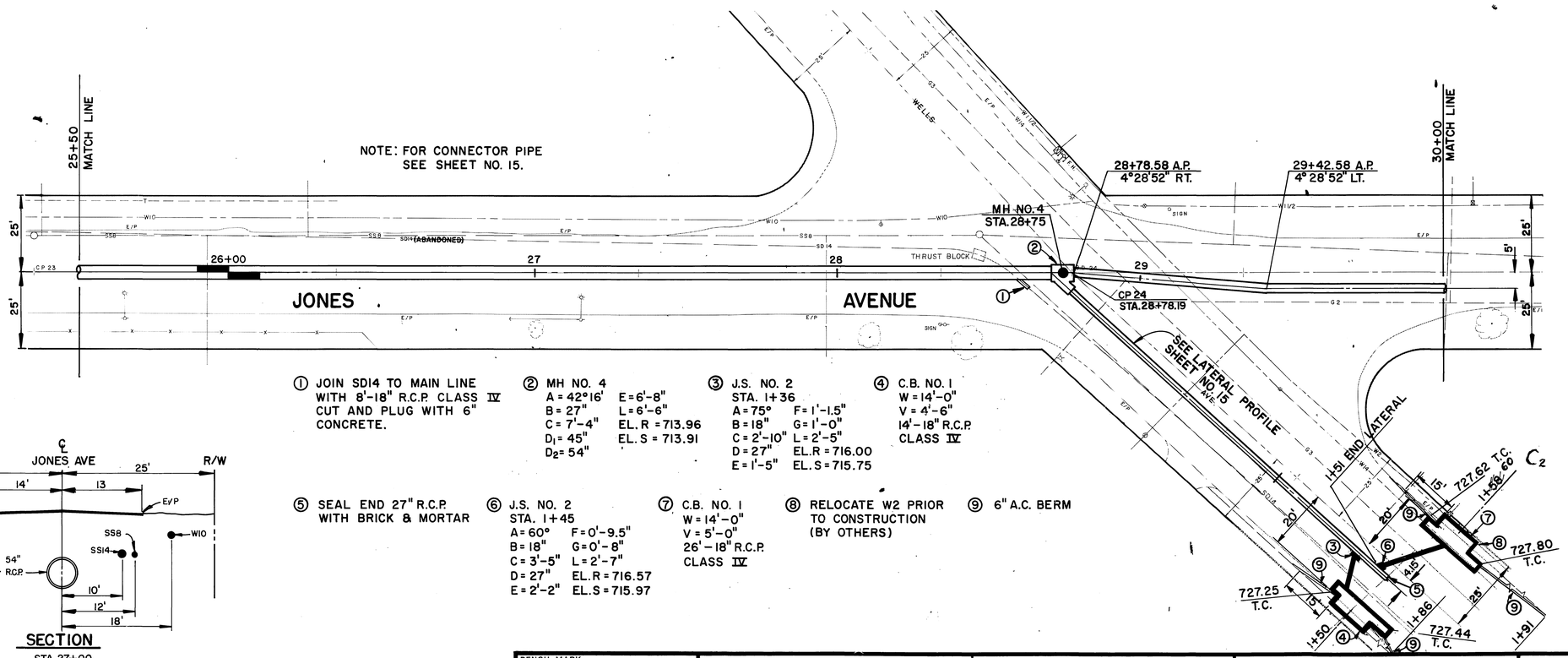
D-292

BENCH MARK	ALBERT A. WEBB ASSOCIATES	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	LA SIERRA CHANNEL	PROJECT NO.
C.P. 22 — SET N & T FLUSH WITH PAVEMENT AT THE INTERSECTION OF JONES AVE & MOBLEY AVE. EL. 719.850	CIVIL ENGINEERS RIVERSIDE, CALIFORNIA		DESIGNED BY: D. G.	JONES AVENUE STORM DRAIN	1-0-063
	APPROVED BY: Ernest N. Webb		DRAWN BY: R.L.T.	STA. 21+00 TO STA. 22+50	DRAWING NO. 1-289
DATE:	DATE: 2/21/73 REGISTERED CIVIL ENGINEER NO. 9876	C1 Add 1 Clearance marker 1-8-74	DATE DRAWN: 10-72	1970 STORM DRAIN BOND ISSUE PROJECT NO. 22	SHEET NO. 5 OF 51
		REF. DESCRIPTION APPR. DATE	CHECKED BY: L.A.W.		

AS BUILT

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





① JOIN SD14 TO MAIN LINE WITH 8'-18" R.C.P. CLASS IV CUT AND PLUG WITH 6" CONCRETE.

② MH NO. 4
A = 42°16'
B = 27"
C = 7'-4"
D_1 = 45"
D_2 = 54"
E = 6'-8"
L = 6'-6"
EL. R = 713.96
EL. S = 713.91

③ J.S. NO. 2
STA. 1+36
A = 75°
B = 18"
C = 2'-10"
D = 27"
E = 1'-5"
F = 1'-1.5"
G = 1'-0"
L = 2'-5"
EL. R = 716.00
EL. S = 715.75

④ C.B. NO. 1
W = 14'-0"
V = 4'-6"
14'-18" R.C.P.
CLASS IV

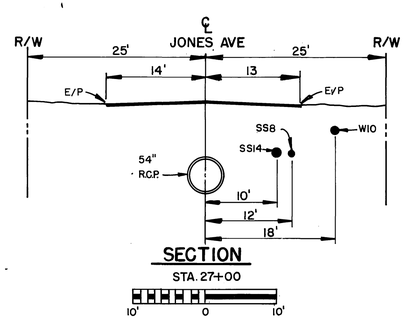
⑤ SEAL END 27" R.C.P. WITH BRICK & MORTAR

⑥ J.S. NO. 2
STA. 1+45
A = 60°
B = 18"
C = 3'-5"
D = 27"
E = 2'-2"
F = 0'-9.5"
G = 0'-8"
L = 2'-7"
EL. R = 716.57
EL. S = 715.97

⑦ C.B. NO. 1
W = 14'-0"
V = 5'-0"
26'-18" R.C.P.
CLASS IV

⑧ RELOCATE W2 PRIOR TO CONSTRUCTION (BY OTHERS)

⑨ 6" A.C. BERM



SECTION
STA. 27+00

PLAN
1" = 20'
20' 0 20'

BENCH MARK
CP 24 - FOUND BOLT WITH PUNCH MARK AT INTERSECTION OF JONES AVE. & WELLS AVE. DOWN .10'.
EL. 725.093

DATE:

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
RIVERSIDE, CALIFORNIA

APPROVED BY:
DATE: 2/21/73
REGISTERED CIVIL ENGINEER NO. 9876

REVISIONS

REF.	DESCRIPTION	APPR.	DATE
C2	Sta. Changed		1-8-74

AS BUILT

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: D. G.
DRAWN BY: R.L.T.
DATE DRAWN: 10-72
CHECKED BY: L.A.W.

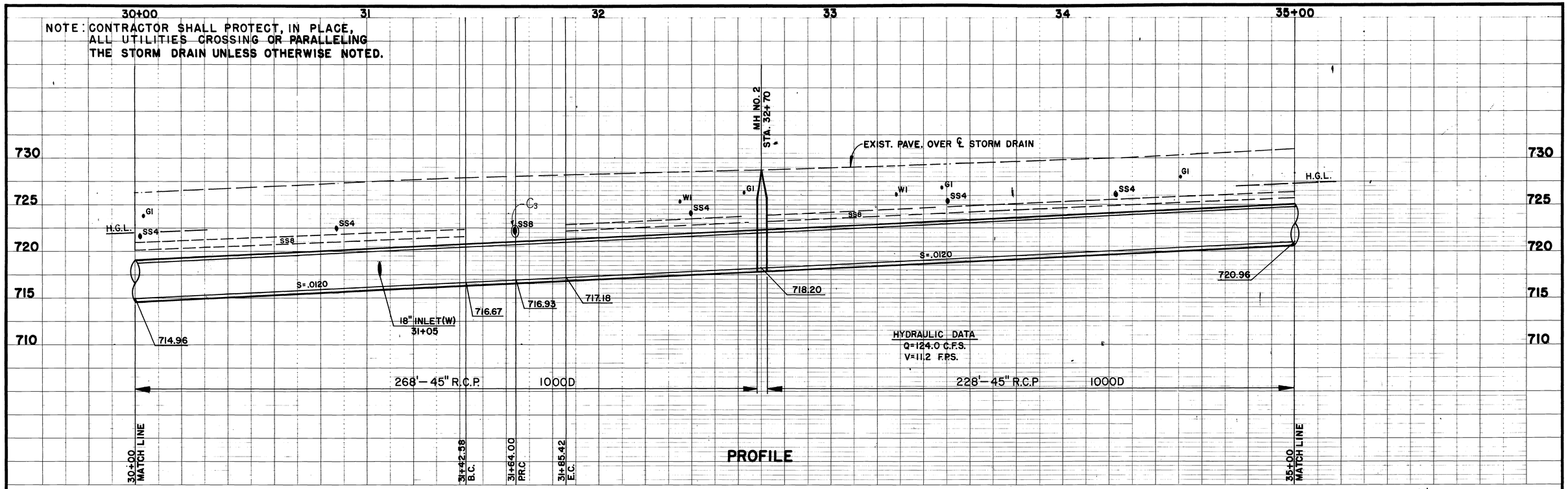
APPROVED BY:
CHIEF ENGINEER R.E. NO. 8822
DATE: 3-7-73

LA SIERRA CHANNEL
JONES AVENUE STORM DRAIN
STA. 25+50 TO STA. 30+00
1970 STORM DRAIN BOND ISSUE PROJECT NO. 22

PROJECT NO. 1-0-063
DRAWING NO. 1-289
SHEET NO. 6 OF 51

D-29R

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



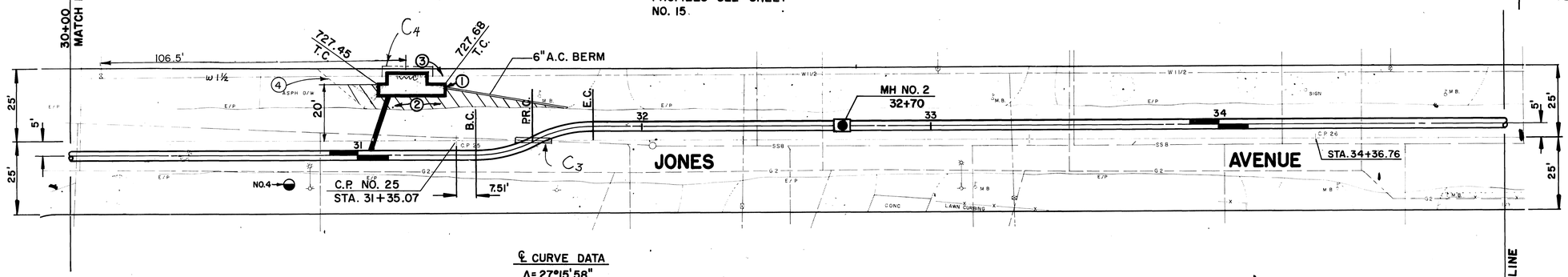
① C.B. NO. 1
W = 14'-0"
V = 3'-6"
24'-18" R.C.P.
CLASS IV

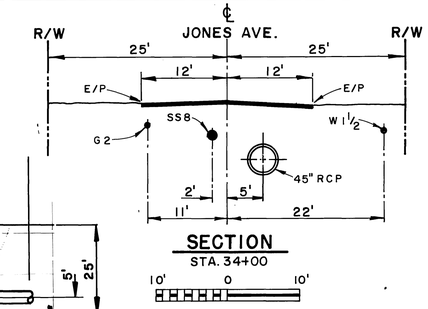
② 3" A.C. PAVING ON 6" BASE

③ RELOCATE BY OTHERS (PRIOR TO CONSTRUCTION)

④ PAVE AND SLOPE TO DRAIN EXISTING D/W.

NOTE: FOR CONNECTOR PIPE PROFILES SEE SHEET NO. 15.





SECTION
STA. 34+00

℄ CURVE DATA
Δ = 27°15'58"
R = 45'
L = 21.42'
T = 10.91'
B.C. = 31+42.58
P.R.C. = 31+64.00
E.C. = 31+85.39

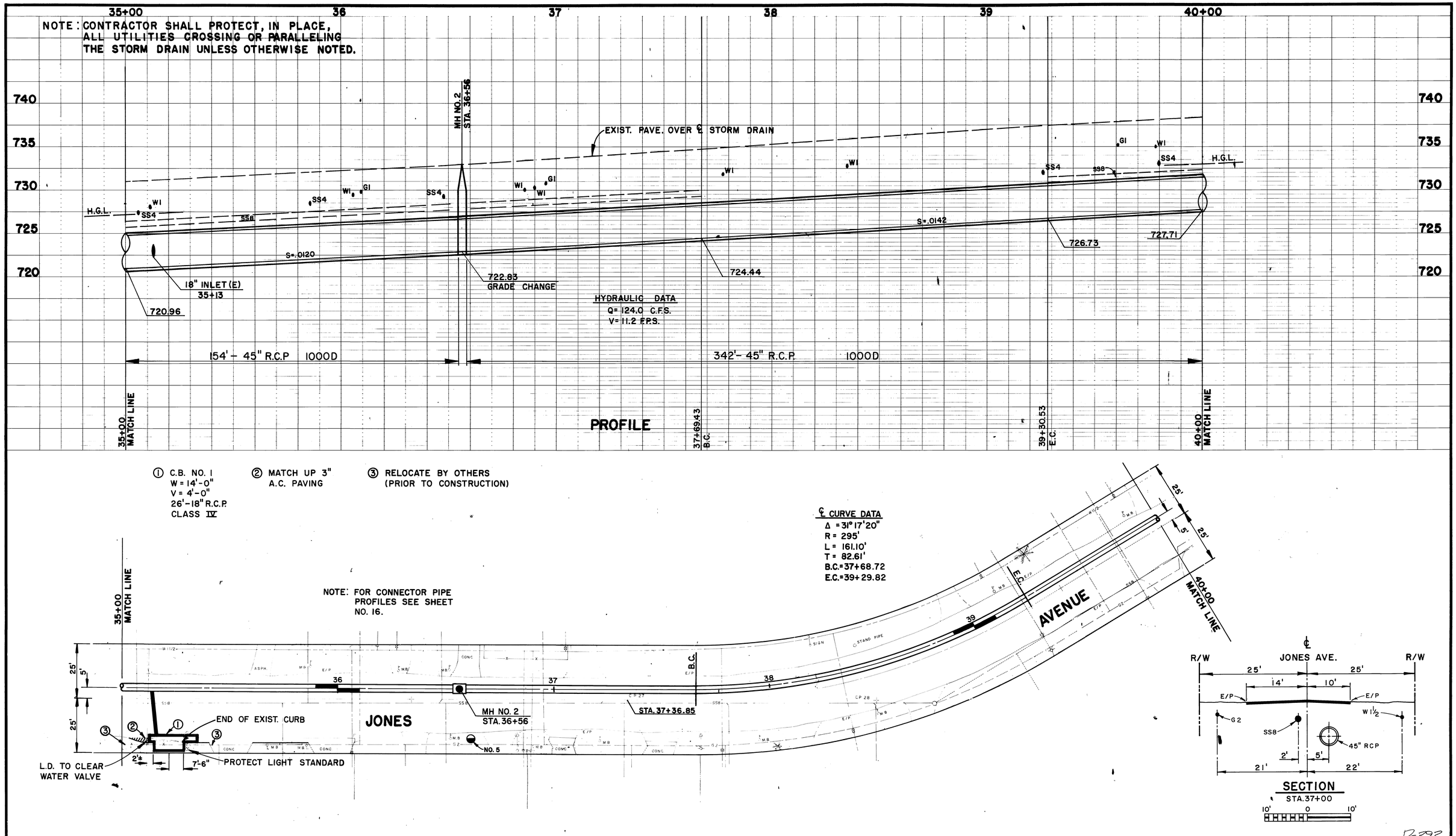
PLAN
1" = 20'
20' 0 20'

BENCH MARK C.P. 26 — SET N & T 1200 FT. NORTH OF INTERSECTION OF JONES AVE. & MOBLEY AVE. EL. 730.902 DATE:	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA APPROVED BY: Ernest N. Webb DATE: 2/21/73 REGISTERED CIVIL ENGINEER NO. 9876	REVISIONS C4 W1½ Relocated C3 SS8 Conc. Encased REF. DESCRIPTION APPR. DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DESIGNED BY: D.G. DRAWN BY: R.L.T. DATE DRAWN: 10-72 CHECKED BY: L.A.W. APPROVED BY: John W. Bryant CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73

LA SIERRA CHANNEL
JONES AVENUE STORM DRAIN
STA. 30+00 TO STA. 35+00
1970 STORM DRAIN BOND ISSUE PROJECT NO. 22

PROJECT NO. 1-0-063
DRAWING NO. 1-289
SHEET NO. 7 OF 51

AS BUILT



PLAN

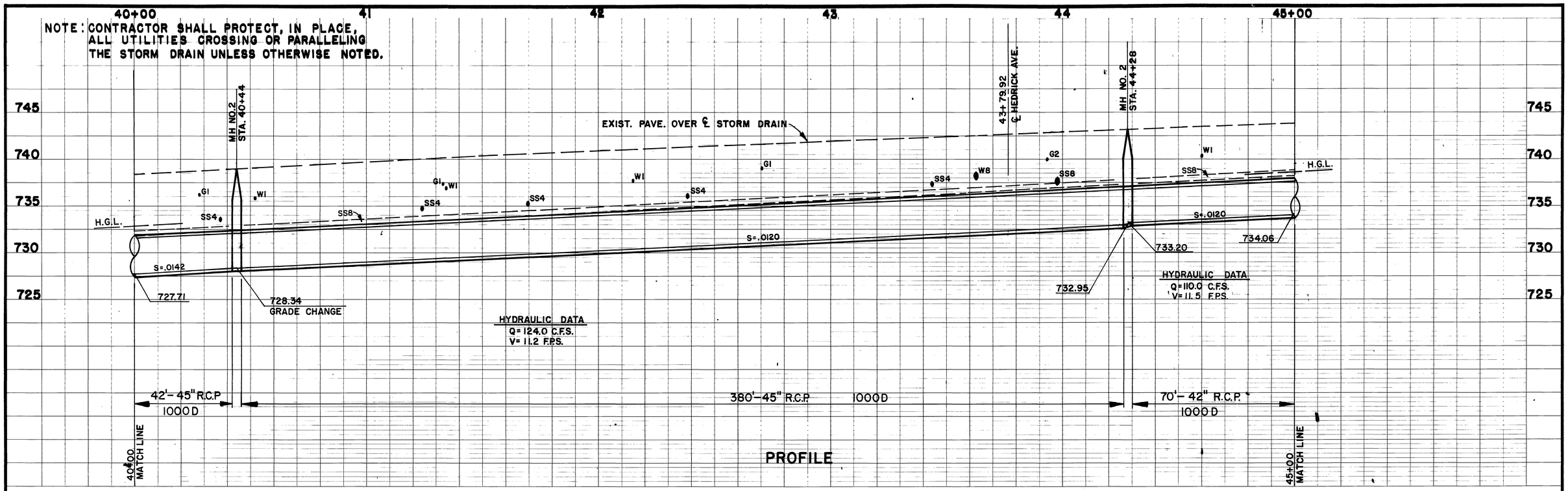
1"=20'

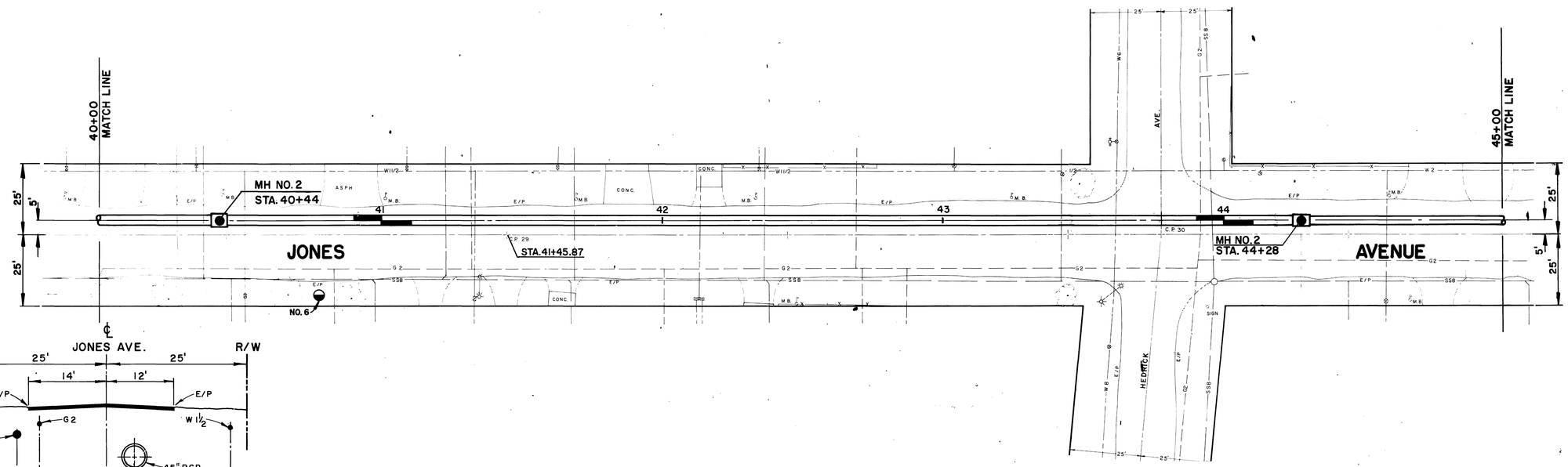
20' 0 20'

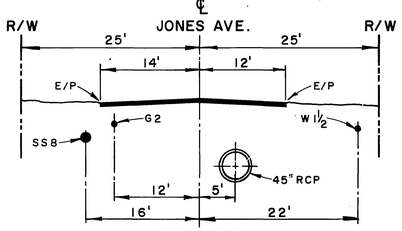
BENCH MARK	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	LA SIERRA CHANNEL JONES AVENUE STORM DRAIN STA. 35+00 TO STA. 40+00	PROJECT NO. 1-0-063
C.P. 27 — SET N & T 1500 FT. NORTH OF INTERSECTION OF JONES AVE. & MOBLEY AVE. EL. 734.170	APPROVED BY: Ernest H. Webb REGISTERED CIVIL ENGINEER NO. 9876	REF. / DESCRIPTION / APPR. / DATE	DESIGNED BY: D. G. DRAWN BY: R.L.T. DATE DRAWN: 10-72 CHECKED BY: L.A.W.	APPROVED BY: John W. Bryant CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73	1970 STORM DRAIN BOND ISSUE PROJECT NO. 22	DRAWING NO. 1-289
DATE:	DATE: 2/21/73				SHEET NO. 8 OF 51

D-292

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







SECTION
STA. 43+00
10' 0 10'

PLAN
1" = 20'
20' 0 20'

BENCH MARK C.P. 30 – FD. 1¼" I.P. DOWN .1 FT. AT INTERSECTION OF JONES AVE. & HENDRICK AVE. EL. 742.991	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DATE:	APPROVED BY: Robert N. Webb DATE: 7/24/73 REGISTERED CIVIL ENGINEER NO. 9876	NO CHANGE REF. DESCRIPTION APPR. DATE	DESIGNED BY: D. G. DRAWN BY: R.L.T. DATE DRAWN: 10-72 CHECKED BY: L.A.W. APPROVED BY: John W. Bryant CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73

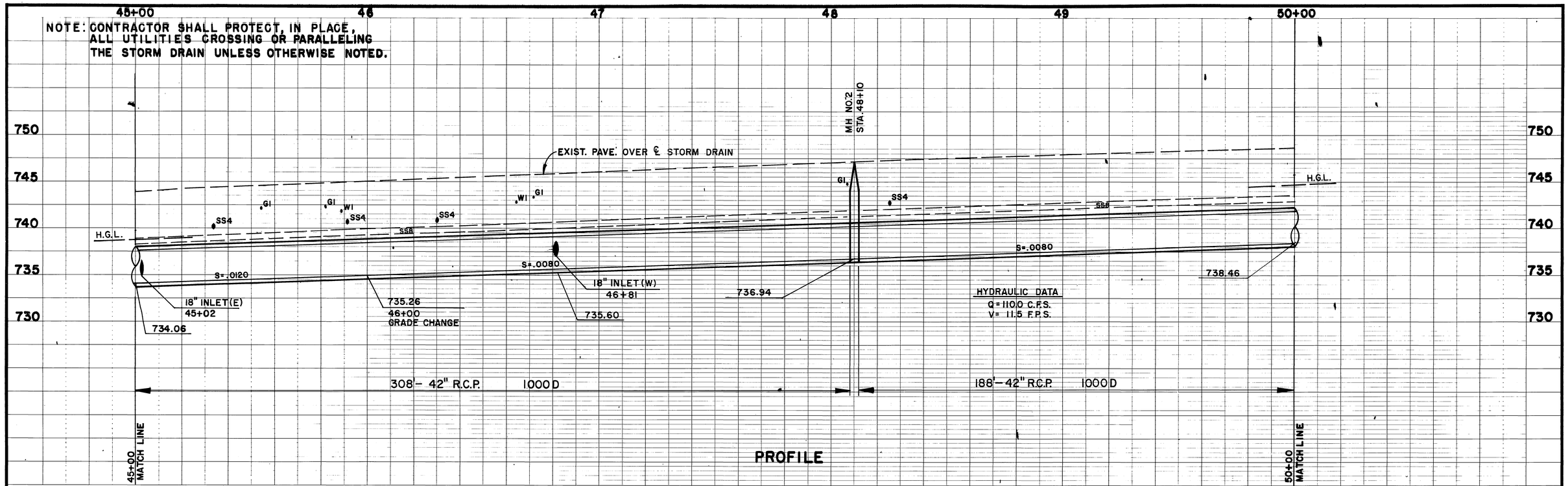
LA SIERRA CHANNEL
JONES AVENUE STORM DRAIN
STA. 40+00 TO STA. 45+00
1970 STORM DRAIN BOND ISSUE PROJECT NO. 22

PROJECT NO. 1-0-063
DRAWING NO. 1-289
SHEET NO. 9 OF 51

D-292

AS BUILT

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



PROFILE

① C.B. NO. 1
W = 14'-0"
V = 4'-0"
26'-18" R.C.P.
CLASS IV

② J.S. NO. 2
STA. 45+02
A = 80° F = 1'-6"
B = 18" G = 1'-10"
C = 3'-4" L = 2'-10"
D = 42" EL.R = 735.85
E = 1'-6" EL.S = 735.45

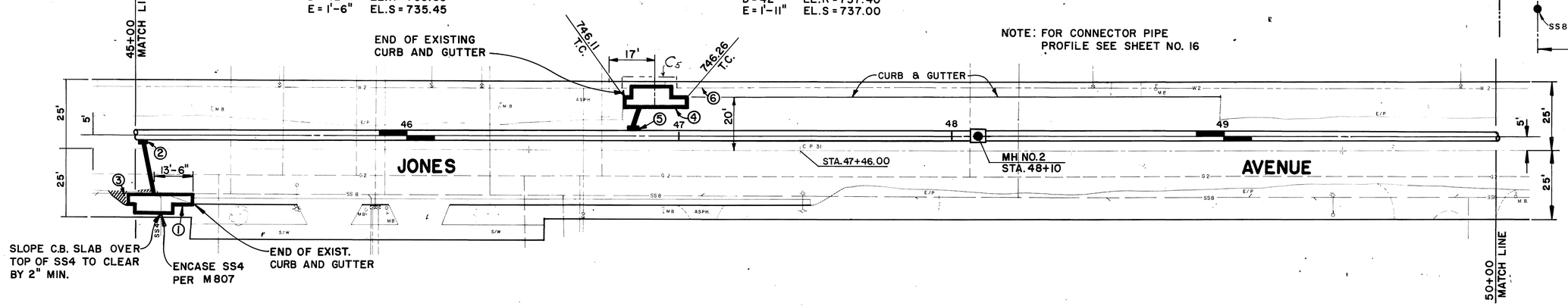
③ MATCH UP 3" A.C. PAVING AS SHOWN

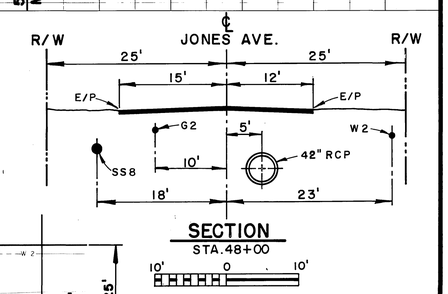
④ C.B. NO. 1
W = 14'-0"
V = 4'-0"
18'-18" R.C.P.
CLASS IV

⑤ J.S. NO. 2
STA. 46+81
A = 68° F = 1'-6"
B = 18" G = 1'-10"
C = 3'-8" L = 3'-0"
D = 42" EL.R = 737.40
E = 1'-11" EL.S = 737.00

⑥ RELOCATE BY OTHERS (PRIOR TO CONSTRUCTION)

NOTE: FOR CONNECTOR PIPE PROFILE SEE SHEET NO. 16





SECTION
STA.48+00

PLAN
1"=20'
20' 0 20'

BENCH MARK C.P.31 — SET N&T 900 FT. NORTH OF P.I. ON JONES AVE. EL. 746.668 DATE:	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA APPROVED BY: DATE: 2/21/73 REGISTERED CIVIL ENGINEER NO. 9876	REVISIONS C5 REF. Relocate W2 DESCRIPTION APPR. 4-8-74 DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DESIGNED BY: D.G. DRAWN BY: R.L.T. DATE DRAWN: 10-72 CHECKED BY: L.A.W. APPROVED BY: CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73

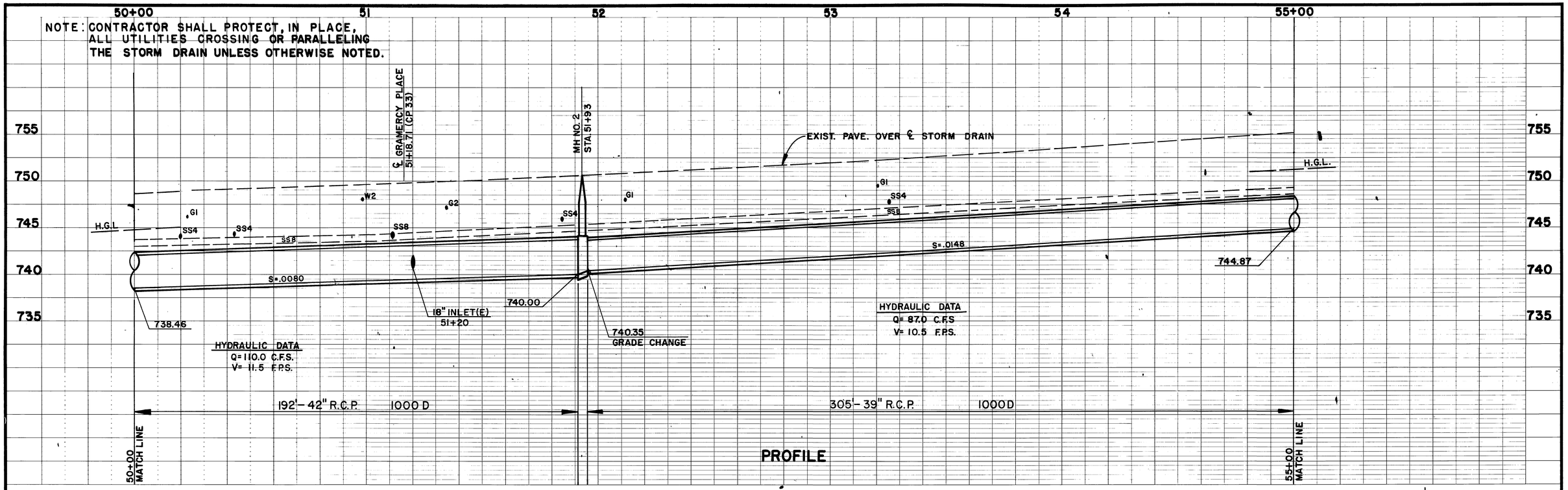
LA SIERRA CHANNEL
JONES AVENUE STORM DRAIN
STA. 45+00 TO STA. 50+00
1970 STORM DRAIN BOND ISSUE PROJECT NO. 22

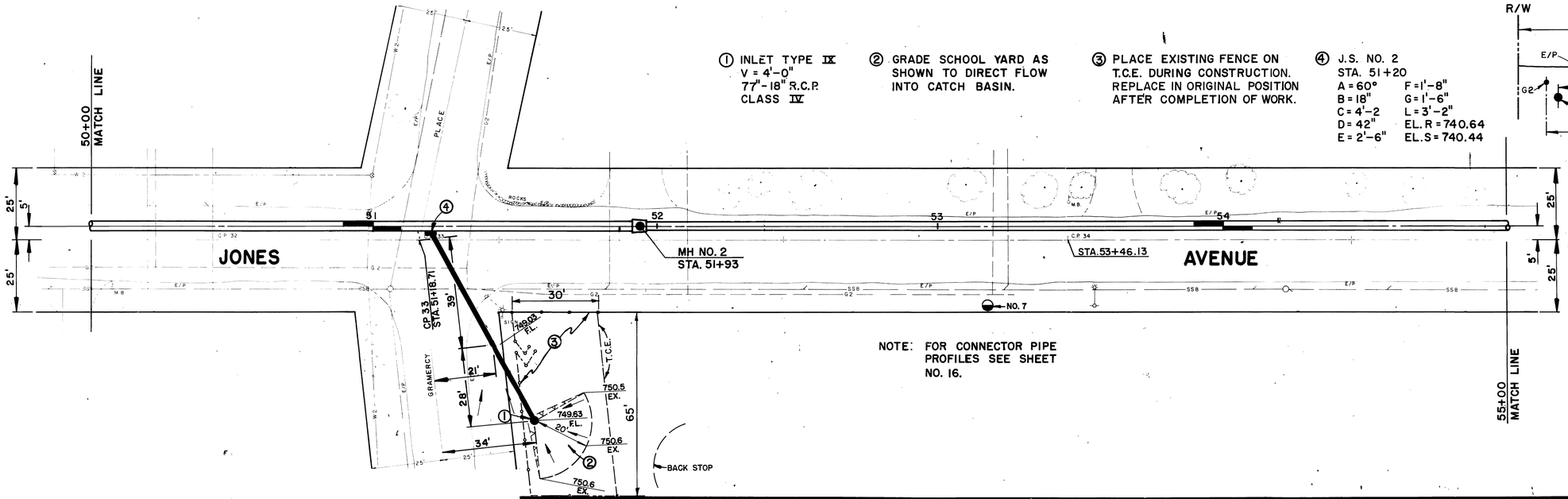
PROJECT NO. 1-0-063
DRAWING NO. 1-289
SHEET NO. 10 OF 51

D-292

AS BUILT

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





① INLET TYPE IX
V = 4'-0"
77"-18" R.C.P.
CLASS IV

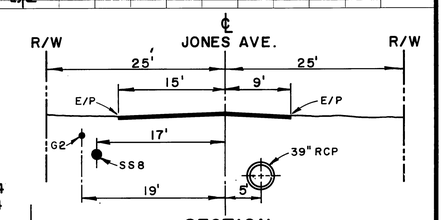
② GRADE SCHOOL YARD AS SHOWN TO DIRECT FLOW INTO CATCH BASIN.

③ PLACE EXISTING FENCE ON T.C.E. DURING CONSTRUCTION. REPLACE IN ORIGINAL POSITION AFTER COMPLETION OF WORK.

④ J.S. NO. 2
STA. 51+20

A = 60°	F = 1'-8"
B = 18"	G = 1'-6"
C = 4'-2	L = 3'-2"
D = 42"	EL. R = 740.64
E = 2'-6"	EL. S = 740.44

NOTE: FOR CONNECTOR PIPE PROFILES SEE SHEET NO. 16.



SECTION
STA. 53+00
10' 0 10'

PLAN
1"=20'
20' 0 20'

BENCH MARK
C.P. 33 — FD. 2x2 HUB WITH TIES AT INTERSECTION OF JONES AVE. & GRAMMERCY PL. DOWN 0.2 FT.
EL. 749.738
DATE:

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
RIVERSIDE, CALIFORNIA
APPROVED BY: Ernest H. Webb
DATE: 2/21/73 REGISTERED CIVIL ENGINEER NO. 9876

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE
	No Change		

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

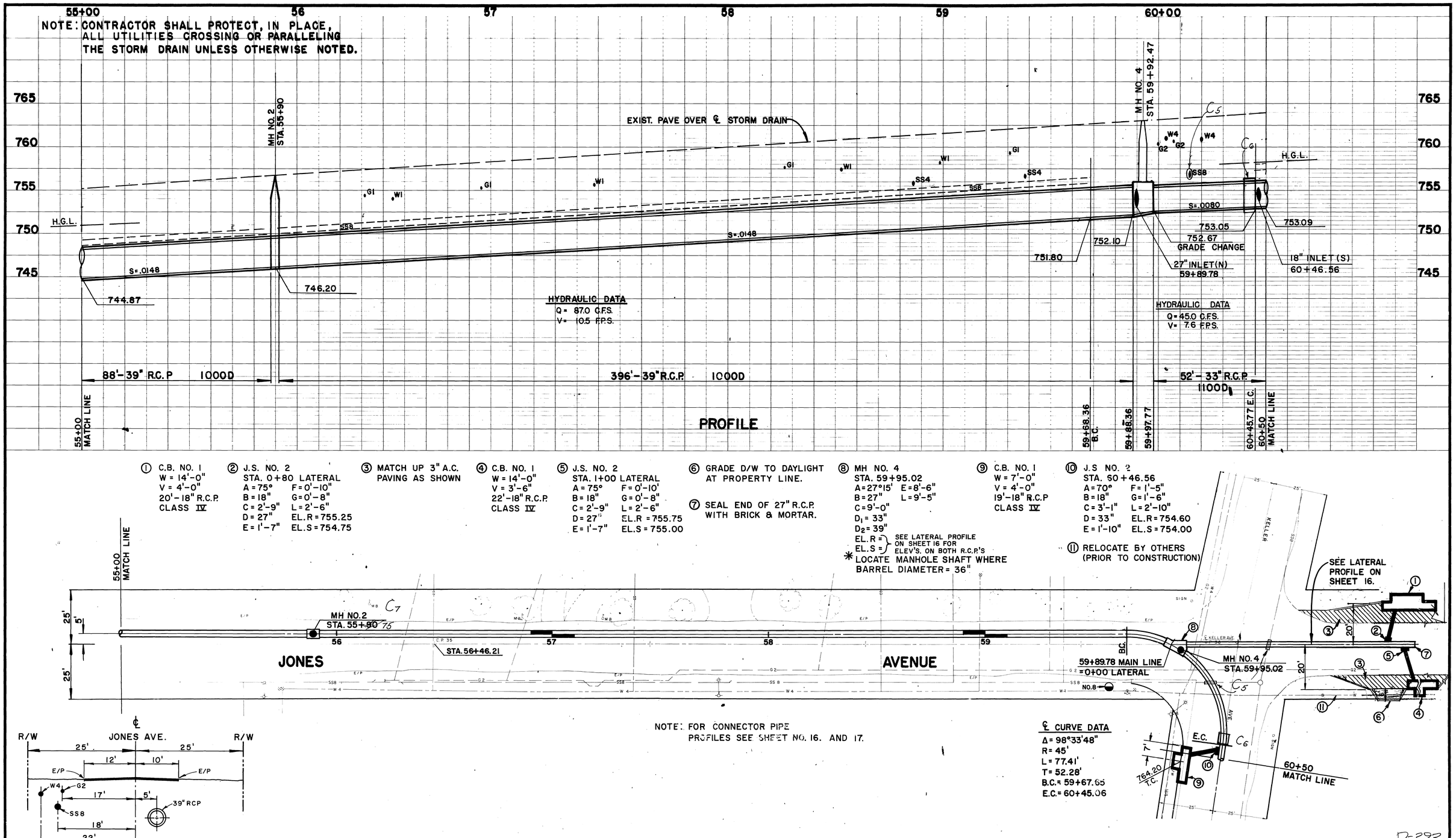
DESIGNED BY: D. G.	APPROVED BY: John R. Bryant
DRAWN BY: R.L.T.	CHIEF ENGINEER R.E. NO. 8822
DATE DRAWN: 10-72	DATE: 3-27-73
CHECKED BY: L.A.W.	

LA SIERRA CHANNEL
JONES AVENUE STORM DRAIN
STA. 50+00 TO STA. 55+00
1970 STORM DRAIN BOND ISSUE PROJECT NO. 22

PROJECT NO. 1-0-063
DRAWING NO. 1-289
SHEET NO. 11 OF 51

D-292

AS BUILT

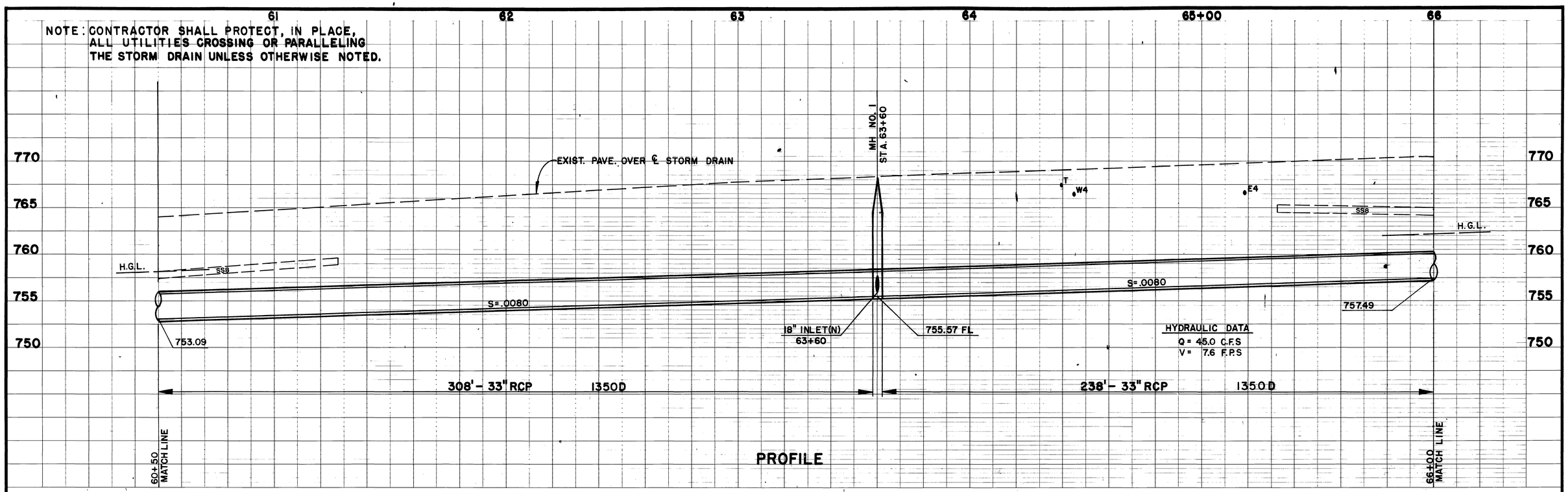


D-292

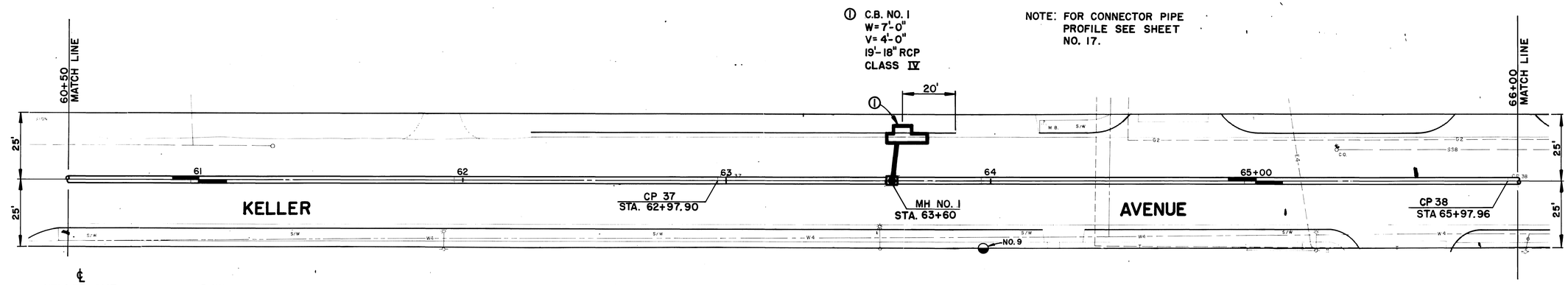
BENCH MARK	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	LA SIERRA CHANNEL JONES AVENUE STORM DRAIN STA. 55+00 TO STA. 60+50	PROJECT NO. 1-0-063
C.P. 36 – FD. 1¼" I.P. FLUSH WITH PAVEMENT AT THE INTERSECTION OF JONES AVE. AND KELLER AVE. EL. 763.448	APPROVED BY: Ernest N. Webb REGISTERED CIVIL ENGINEER NO. 9876	C7 M.H. Sta. Change; C6 Conc Encasement - Curve Break -; C5 Conc. Encasement for SS8	DESIGNED BY: D.G. DRAWN BY: R.L.T. DATE DRAWN: 10-72 CHECKED BY: L.A.W.	APPROVED BY: John W. Bryant CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73	1970 STORM DRAIN BOND ISSUE PROJECT NO. 22	DRAWING NO. 1-289
DATE:	DATE: 2/21/73	REF. DESCRIPTION APPR. DATE			SHEET NO. 12 OF 51

AS BUILT

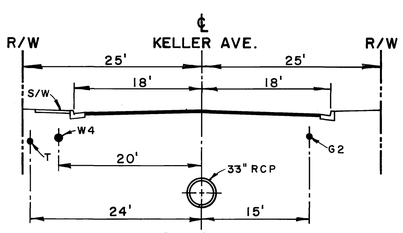
NOTE: CONTRACTOR SHALL PROTECT, IN PLACE, ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN UNLESS OTHERWISE NOTED.



PROFILE



NOTE: FOR CONNECTOR PIPE PROFILE SEE SHEET NO. 17.



SECTION
STA. 65+00

10' 0 10'

PLAN
1"=20'

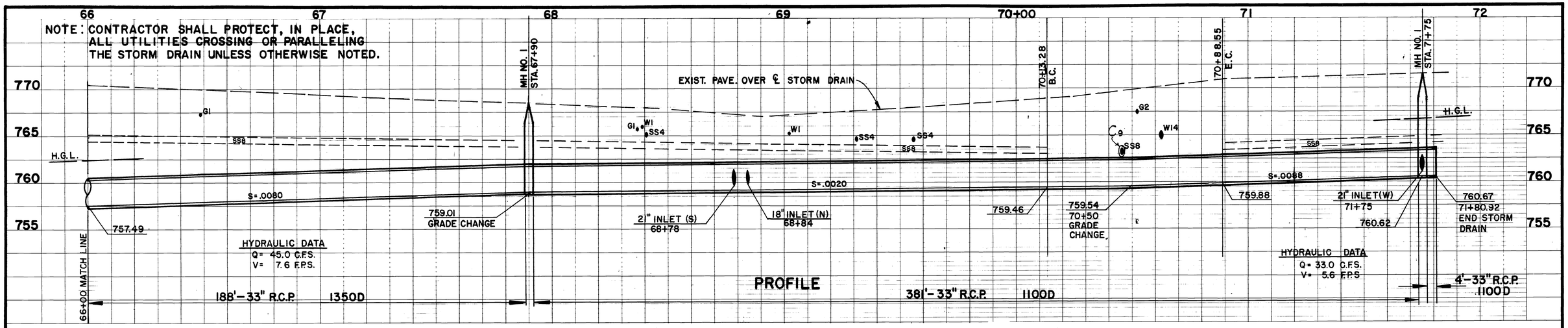
20' 0 20'

BENCH MARK C.P. 38 — SET N & T 600 FT. WEST OF INTERSECTION OF JONES AVE. & KELLER AVE. EL. 770.507 DATE:	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA APPROVED BY: Ernest N. Webb DATE: 2/21/73 REGISTERED CIVIL ENGINEER NO. 9876	REVISIONS No Change REF. DESCRIPTION APPR. DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DESIGNED BY: D. G. DRAWN BY: R.L.T DATE DRAWN: 10-72 CHECKED BY: L.A.W. APPROVED BY: John W. Bryant CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73	LA SIERRA CHANNEL JONES AVENUE STORM DRAIN STA. 60+50 TO STA. 66+00 1970 STORM DRAIN BOND ISSUE PROJECT NO. 22	PROJECT NO. 1-0-063 DRAWING NO. 1-289 SHEET NO. 13 OF 51

D-292

AS BUILT

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



① C.B. NO. 1
W = 14'-0"
V = 5'-0"
20'-18" R.C.P.
CLASS IV

② J.S. NO. 2
STA. 68+84
A = 70° F = 1'-2"
B = 18" G = 1'-0"
C = 3'-4" L = 2'-5"
D = 33" EL.R = 760.15
E = 1'-9" EL.S = 759.85

③ C.B. NO. 1
W = 14'-0"
V = 4'-0"
18'-21" R.C.P.
CLASS IV

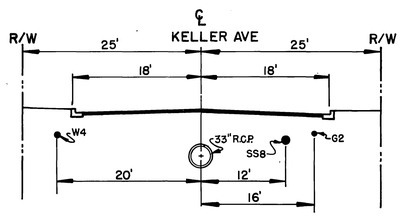
④ J.S. NO. 2
STA. 68+78
A = 70° F = 1'-0"
B = 21" G = 0'-9"
C = 3'-5" L = 2'-9"
D = 33" EL.R = 760.76
E = 2'-0" EL.S = 760.11

⑤ RELOCATE W4 BY OTHERS (PRIOR TO CONSTRUCTION)

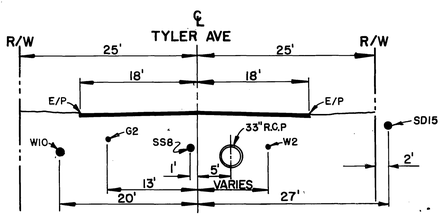
⑥ SEAL END OF 33" R.C.P. WITH BRICK & MORTAR.

⑦ CONCRETE DROP INLET (SPECIAL STRUCTURE SEE SHEET 17)
A = 1'-4"
B = 2'-2"
21'-21" R.C.P.
CLASS IV

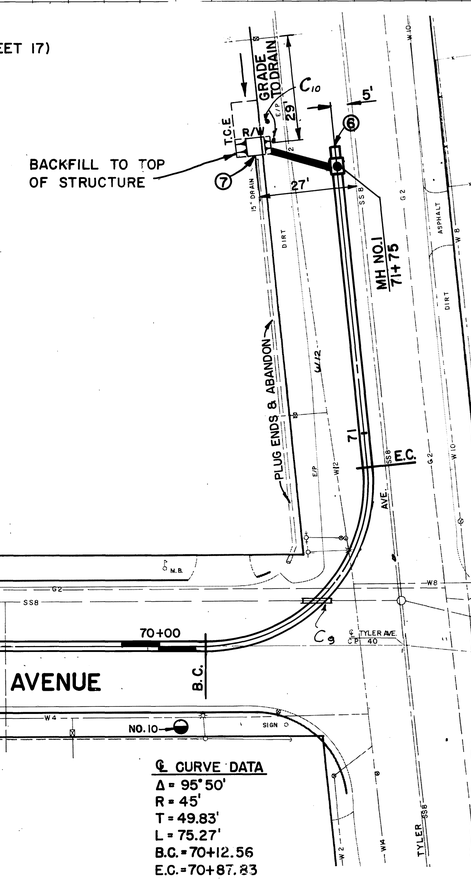
⑧ REMOVE CONCRETE CROSS GUTTER AND REPLACE WITH A.C. PAVING.

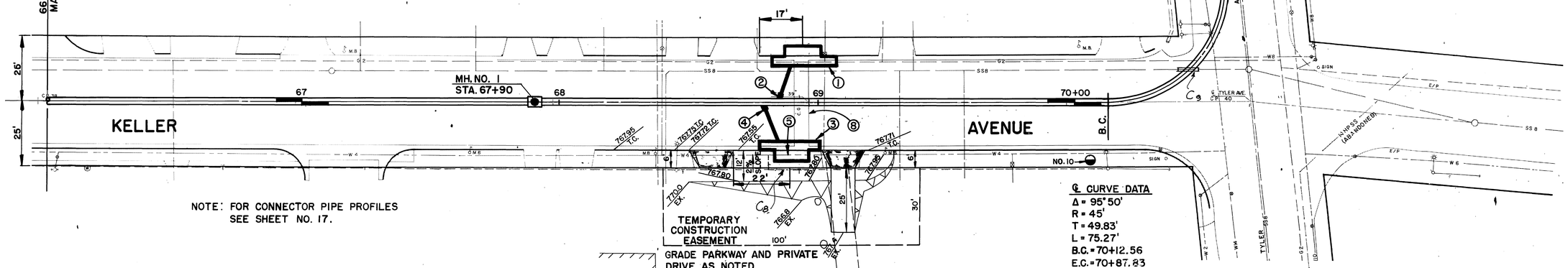


SECTION
STA. 69+00



SECTION
STA. 71+50





NOTE: FOR CONNECTOR PIPE PROFILES SEE SHEET NO. 17.

℄ CURVE DATA
Δ = 95°50'
R = 45'
T = 49.83'
L = 75.27'
B.C. = 70+12.56
E.C. = 70+87.83

PLAN
1" = 20'

BENCH MARK
CP40- FOUND 2x2 HUB DOWN .10' AT INTERSECTION OF KELLER AVE. & WELLS AVE. EL. 770.070

DATE:

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
RIVERSIDE, CALIFORNIA

APPROVED BY:
DATE: 2/21/73
REGISTERED CIVIL ENGINEER NO. 9876

REVISIONS			
C10	Added 2-Clearance Markers.		
C9	Conc. Encasement for SS8		
C8	Relocate W4.		
REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: D.G
DRAWN BY: R.L.T.
DATE DRAWN: 10-72
CHECKED BY: L.A.W.

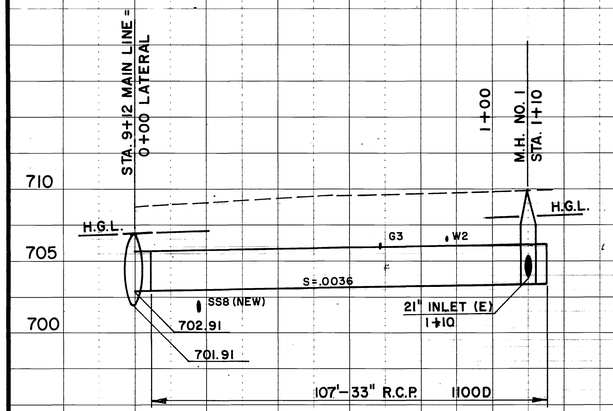
APPROVED BY:
CHIEF ENGINEER R.E. NO. 8822
DATE: 3-7-73

LA SIERRA CHANNEL
JONES AVENUE STORM DRAIN
STA. 66+00 TO STA. 71+80.92
1970 STORM DRAIN BOND ISSUE PROJECT NO. 22

PROJECT NO. 1-0-063
DRAWING NO. 1-289
SHEET NO. 14 OF 51

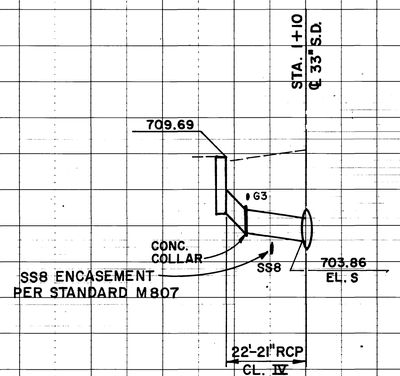
D-292

AS BUILT

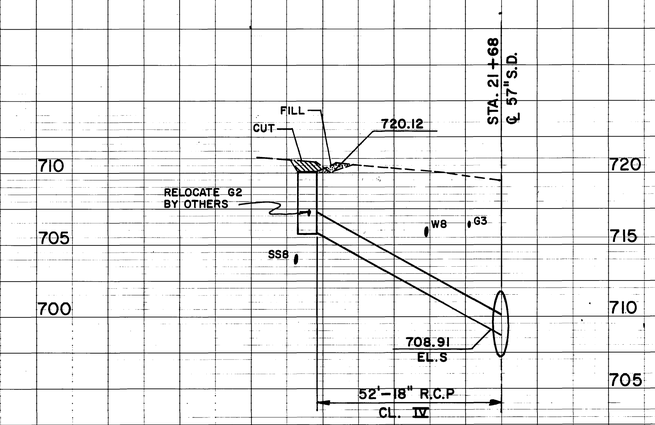


HYDRAULIC DATA
Q = 54.0 C.F.S.
V = 9.2 F.P.S.

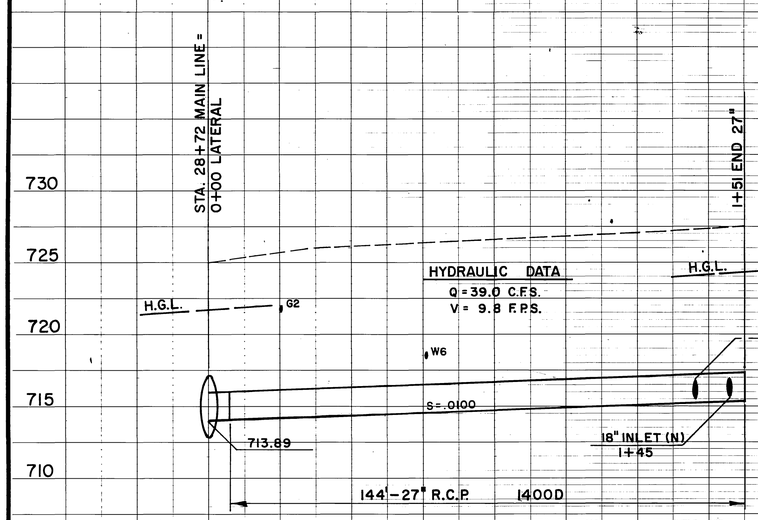
COOK AVENUE LATERAL
(STA. 9+12)



STATION 1+10
(COOK AVE.)

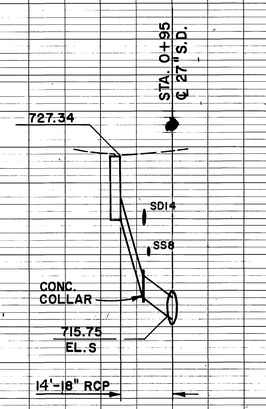


STATION 21+68

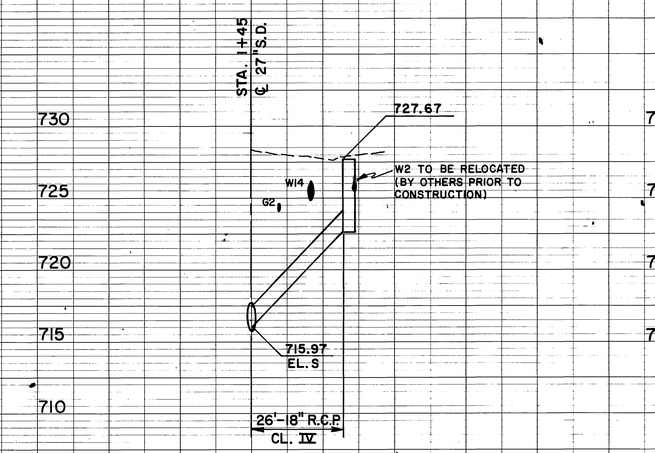


HYDRAULIC DATA
Q = 39.0 C.F.S.
V = 9.8 F.P.S.

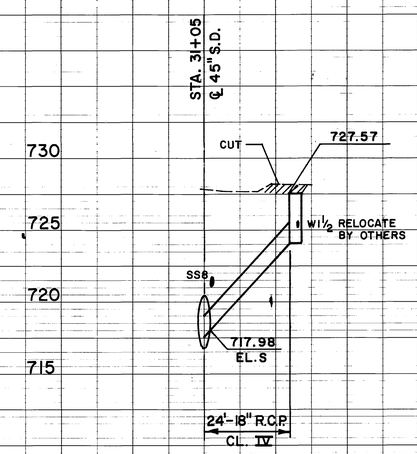
WELLS AVENUE LATERAL
(STA. 28+72)



STATION 1+36
(WELLS AVE.)



STATION 1+45
(WELLS AVE.)

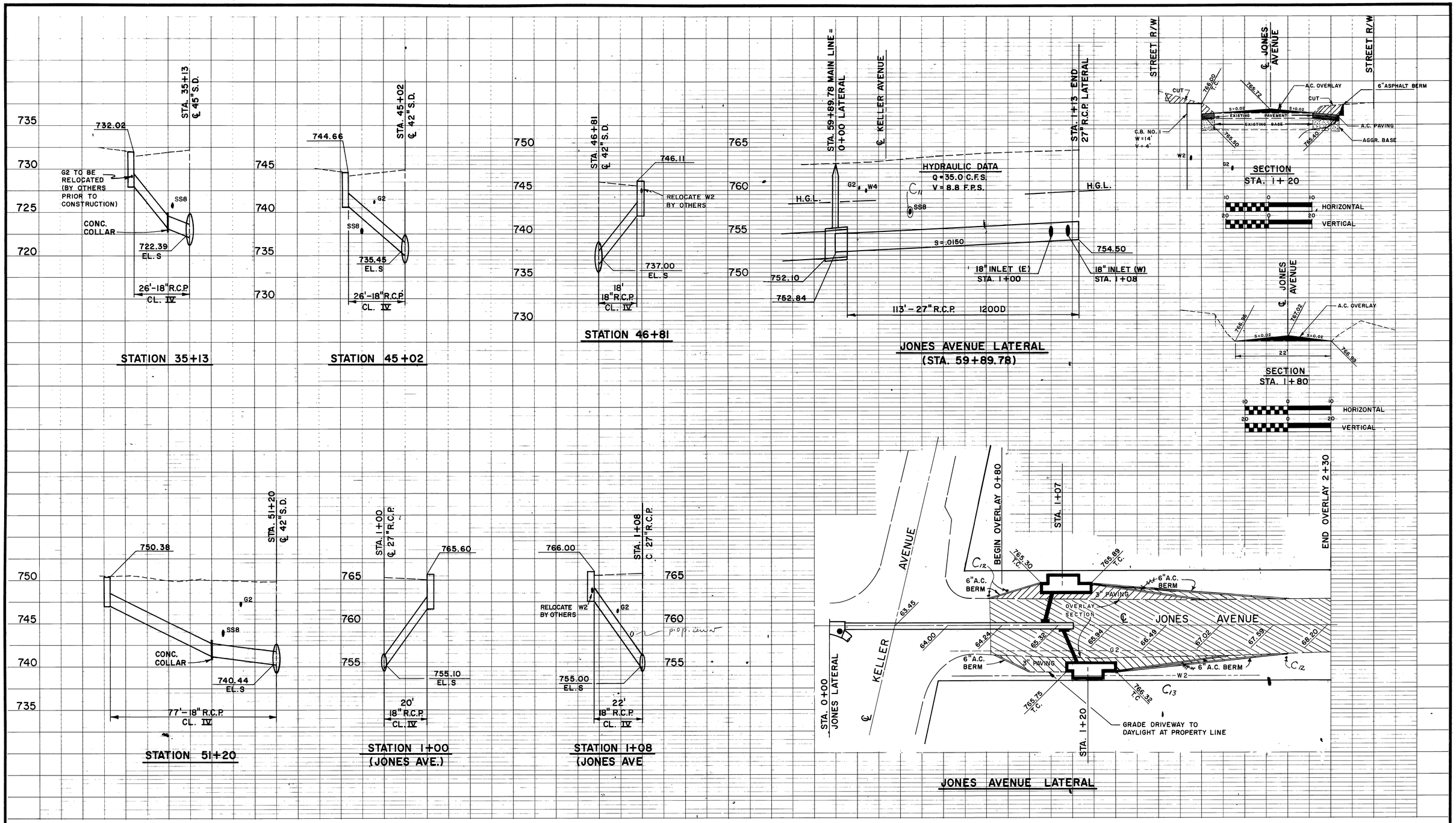


STATION 31+05

D-292

BENCH MARK	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	LA SIERRA CHANNEL JONES AVENUE STORM DRAIN LATERAL & CONNECTOR PIPE PROFILES 1970 STORM DRAIN BOND ISSUE PROJECT NO.
SCALE: HORIZ. 1"=200' VERT. 1"=5'	APPROVED BY:	No Change	DESIGNED BY:	PROJECT NO. 1-0-063
DATE:	DATE: 2/26/73 REGISTERED CIVIL ENGINEER NO. 9876	REF. DESCRIPTION APPR. DATE	DRAWN BY: R.A.S.	DRAWING NO. 1-289
			DATE DRAWN:	SHEET NO. 15 OF 51
			CHECKED BY:	
			APPROVED BY: CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73	

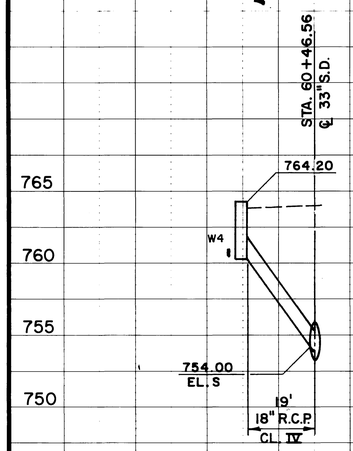
AS BUILT



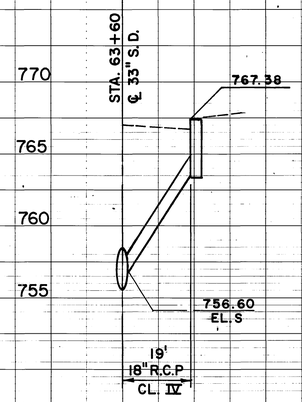
D-292

BENCH MARK	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	LA SIERRA CHANNEL JONES AVENUE STORM DRAIN CONNECTOR PIPE PROFILES & MISCELLANOUS DETAILS 1970 STORM DRAIN BOND ISSUE PROJECT NO. 22	PROJECT NO. 1-0-063
SCALE: HORIZ. 1"=20' VERT. 1"=5'	APPROVED BY: [signature] REGISTERED CIVIL ENGINEER NO. 9876	C_{13} Change 6" A.C. Berm Length C_{12} Added Clearance Markers C_{11} Conc. Encasement-for SS8	DESIGNED BY: DRAWN BY: R.A.S. DATE DRAWN: CHECKED BY:	APPROVED BY: [signature] CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73	DRAWING NO. 1-289
DATE:	DATE: 2/21/73	REF. DESCRIPTION APPR. DATE			SHEET NO. 16 OF 51

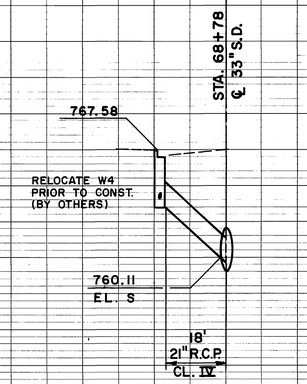
AS BUILT



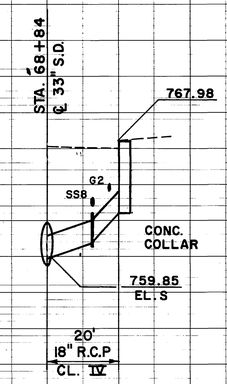
STATION 60+46.56



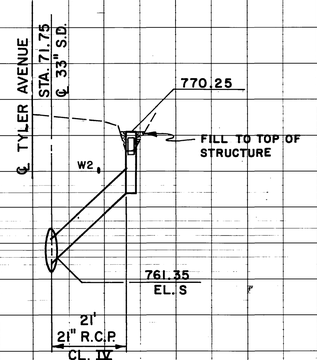
STATION 63+60



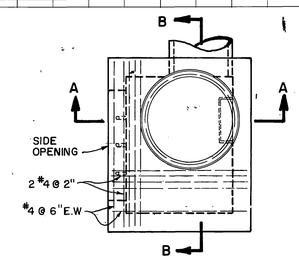
STATION 68+78



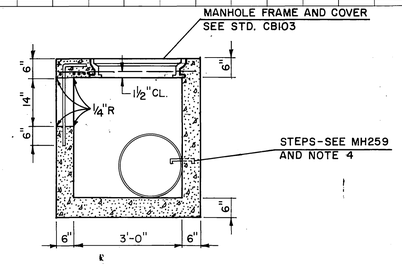
STATION 68+84



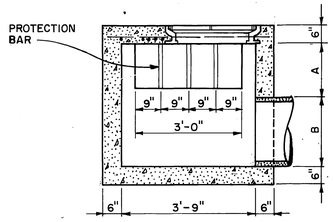
STATION 71+75.00



PLAN



SECTION A-A



SECTION B-B

NOTES:

1. STRUCTURAL CONCRETE SHALL BE CLASS "A" P.C.C.
2. REINFORCING STEEL SHALL BE NO. 4 DEFORMED BARS. CLEARANCE SHALL BE 1½" FROM BOTTOM OF SLAB.
3. THE BASIN FLOOR SHALL BE GIVEN A TIGHT WOOD FLOAT FINISH. CURVATURE OF THE LIP & SIDEWALLS AT THE SIDE OPENING SHALL NOT BE MADE BY PLASTERING. THE OUTLET PIPE SHALL BE TRIMMED TO FINAL SHAPE & LENGTH BEFORE THE CONCRETE IS POURED.
4. STEPS: ¾" PLAIN ROUND GALVANIZED STEEL STEP SHALL BE INSTALLED 12" FROM THE BOTTOM. STEP SHALL BE 4" CLEAR FROM WALL & ANCHORED NOT LESS THAN 4" INTO THE WALL OF THE BASIN.
5. PROTECTION BARS ARE PLAIN ROUND STEEL BARS 1" DIAMETER SHALL BE INSTALLED. BARS SHALL BE EMBEDDED 5" AT EACH END. BARS SHALL BE 9" ON CENTER.
6. ALL EXPOSED METAL PARTS SHALL BE GALVANIZED.
7. SLOPE BOTTOM TO OUTLET FROM ALL DIRECTIONS.

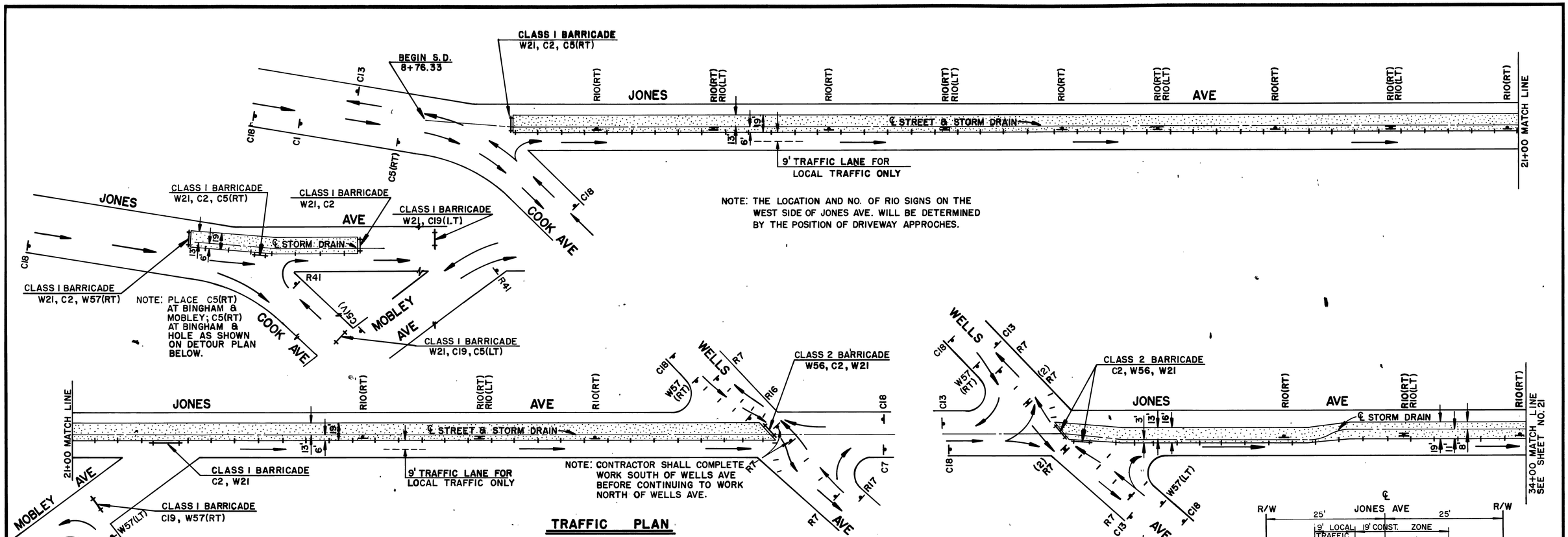
CONCRETE DROP INLET

SCALE: 1" = 2'

D-292

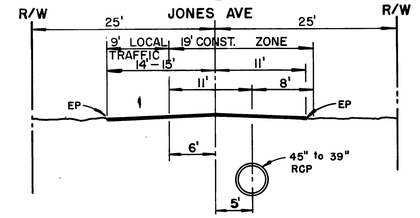
BENCH MARK	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA	REVISIONS	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT	LA SIERRA CHANNEL JONES AVENUE STORM DRAIN INLET STRUCTURE LATERAL & CONNECTOR PIPE PROFILES 1970 STORM DRAIN BOND ISSUE PROJECT NO.	PROJECT NO. 1-0-063
SCALE: HORIZ. 1"=20' VERT. 1"=5'	APPROVED BY: Ernest H. Webb	No Change	DESIGNED BY:		DRAWING NO. 1-289
DATE:	DATE: 2/21/73 REGISTERED CIVIL ENGINEER NO. 9876	REF. DESCRIPTION APPR. DATE	DRAWN BY: R.A.A. / DATE DRAWN: / CHECKED BY:	APPROVED BY: John W. Biard CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73	SHEET NO. 17 OF 51

AS BUILT



TRAFFIC PLAN

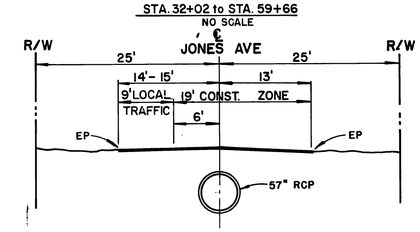
NO SCALE



SECTION

STA. 32+02 to STA. 59+66

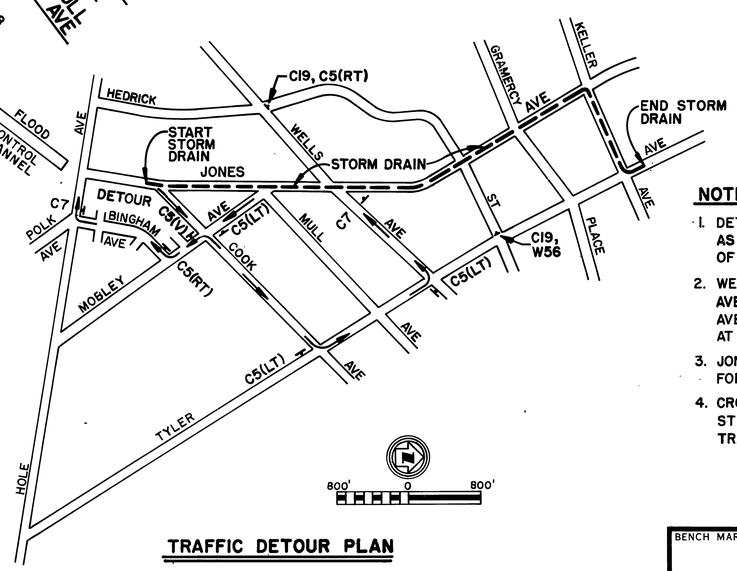
NO SCALE



SECTION

STA. 9+68 to STA. 29+74

NO SCALE



TRAFFIC DETOUR PLAN

NOTES

1. DETOUR AROUND JOB TO BE SIGNED AS NECESSARY DURING THE PROGRESSION OF THE JOB.
2. WELLS AVENUE, COOK AVENUE, TYLER AVENUE, GRAMERCY PLACE, KELLER AVENUE (ONE WAY) TO REMAIN OPEN AT ALL TIMES.
3. JONES AVENUE MAY BE CLOSED EXCEPT FOR LOCAL TRAFFIC HEADING NORTHERLY.
4. CROSS STREETS—MOBLEY AVENUE, HEDRICK STREET MAY BE CLOSED TO THROUGH TRAFFIC TEMPORARILY.

GENERAL NOTES

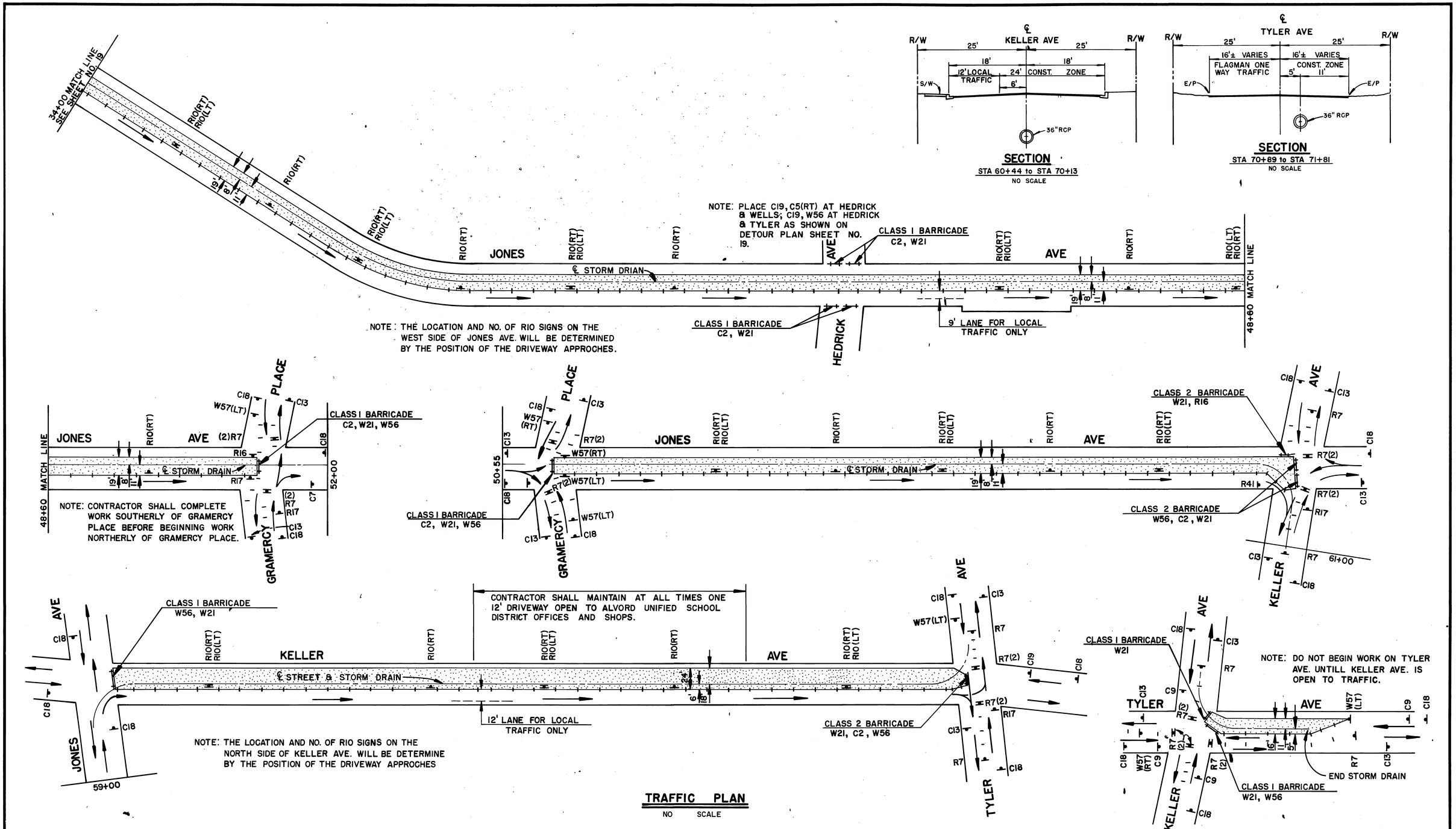
1. PLACE BARRIERS AND DELINEATORS AS NEEDED TO PROTECT AGAINST OPEN TRENCH THROUGH PROJECT LIMITS (MAXIMUM SPACING 50').
2. SIGNING SHOWN IS THE MINIMUM REQUIREMENT.
3. ALL SIGN CODE NUMBERS REFER TO THE DIVISION OF HIGHWAYS STANDARD SIGN CHART FOR COLOR AND DIMENSIONS.
4. DELINEATORS=PADDELS, SMALL BARRICADES OR EQUAL. CONES WILL NOT BE ALLOWED.
5. CLASS I BARRICADES SHALL HAVE W21 OR FLASHER FOR REFLECTORIZATION; CLASS 2 BARRICADES SHALL HAVE FLASHERS.
6. WHEN FLAGMAN IS USED, ERECT C9 SIGNS IN ADVANCE. FLAGMAN MUST HAVE VEST AND C28 SIGN.

LEGEND

- SIGNS
- DELINEATOR OR SMALL BARRICADE
- LARGE BARRICADE
- DIRECTION OF TRAFFIC
- CONSTRUCTION ZONE

D-292

CONSTRUCTION SIGNING APPROVED BY J.E. Dannoff 10/27/71 CITY OF RIVERSIDE	BENCH MARK SCALE: NO SCALE DATE:	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA APPROVED BY: Ernest N. Webb DATE: 2/22/73 REGISTERED CIVIL ENGINEER NO. 9876	REVISIONS REF. DESCRIPTION APPR. DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DESIGNED BY: DG DRAWN BY: RLT DATE DRAWN: 10-72 CHECKED BY: LAW APPROVED BY: John W. Bryant CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73	LA SIERRA CHANNEL JONES AVENUE STORM DRAIN TRAFFIC PLAN 1970 STORM DRAIN BOND ISSUE PROJECT NO. 22	PROJECT NO. 1-0-063 DRAWING NO. 1-289 SHEET NO. 18 OF 51



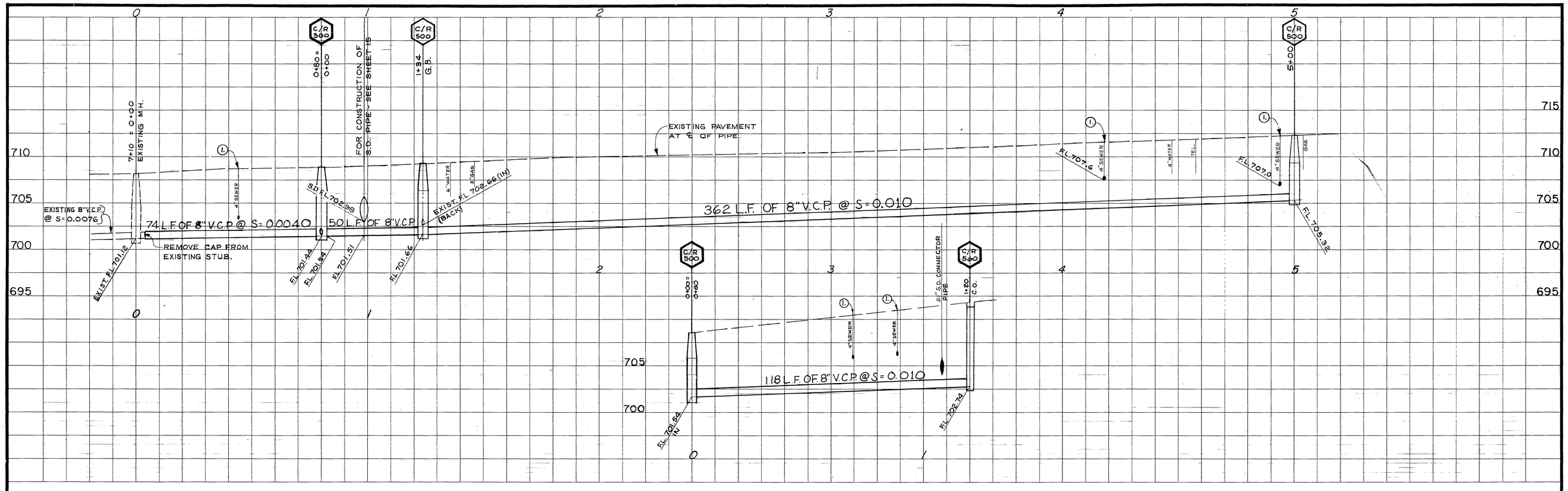
TRAFFIC PLAN

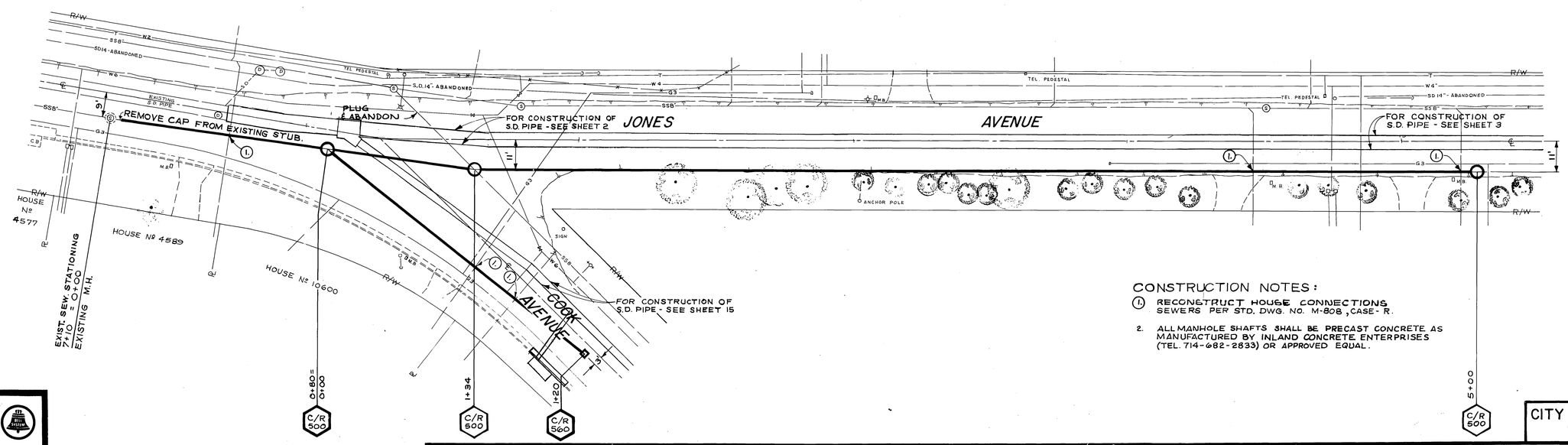
NO SCALE

D-292

CONSTRUCTION SIGNING APPROVED BY [signature] 10/24/72 CITY OF RIVERSIDE	BENCH MARK SCALE: NO SCALE DATE:	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS RIVERSIDE, CALIFORNIA APPROVED BY: [signature] REGISTERED CIVIL ENGINEER NO. 9876 DATE: 2/21/73	REVISIONS REF. DESCRIPTION APPR. DATE	RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DESIGNED BY: DG DRAWN BY: RLT DATE DRAWN: 10-72 CHECKED BY: LAW APPROVED BY: [signature] CHIEF ENGINEER R.E. NO. 8822 DATE: 3-7-73	LA SIERRA CHANNEL JONES AVENUE STORM DRAIN TRAFFIC PLAN 1970 STORM DRAIN BOND ISSUE PROJECT NO. 22

PROJECT NO. 1-0-063
DRAWING NO. 1-289
SHEET NO. 19 OF 51





CONSTRUCTION NOTES:

1. RECONSTRUCT HOUSE CONNECTIONS SEWERS PER STD. DWG. NO. M-808, CASE - R.
2. ALL MANHOLE SHAFTS SHALL BE PRECAST CONCRETE AS MANUFACTURED BY INLAND CONCRETE ENTERPRISES (TEL. 714-682-2833) OR APPROVED EQUAL.

-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING

CALL COLLECT:	7:30 A.M. to 5 P.M.	After Hours & Holidays
Orange County	714-633-0811	714-547-6606
Riverside County	714-684-0071	714-547-6606
Inyo County	714-684-0071	714-547-6606
San Bernardino County	714-684-0071	714-547-6606
Los Angeles County	213-621-3111	24 HOUR SERVICE
Ventura County	213-621-3111	
San Diego County	714-298-0595	714-232-0027

FOR FREE CABLE LOCATING SERVICE

N

PLAN
1" = 20'
20' 0 20'

BENCH MARK 708.75
C.P. 17 N & T. FLUSH AT INTER JONES AVE. & COOK AVE. AT 1/2 I.P. DOWN APPROX. 1'

SCALE: AS SHOWN

DATE:

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF PUB. WKS. ENGR.		1-15

APPROVED BY: [signature]
DIRECTOR OF PUBLIC WORKS
DATE 1-15-73

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: RJV
DRAWN BY: J.P. GOETZ
DATE DRAWN: OCT. 1972
CHECKED BY: [illegible]

APPROVED BY:
CHIEF ENGINEER R.E. NO. 8822
DATE:

LA SIERRA CHANNEL
JONES AVENUE STORM DRAIN
PARALLEL SEWER
1970 STORM DRAIN BOND ISSUE PROJECT NO. 22

PROJECT NO. 1-0-063
DRAWING NO. 1-289
SHEET NO. 20 OF 51

D-292

CITY OF RIVERSIDE
DWG. NO. S-894