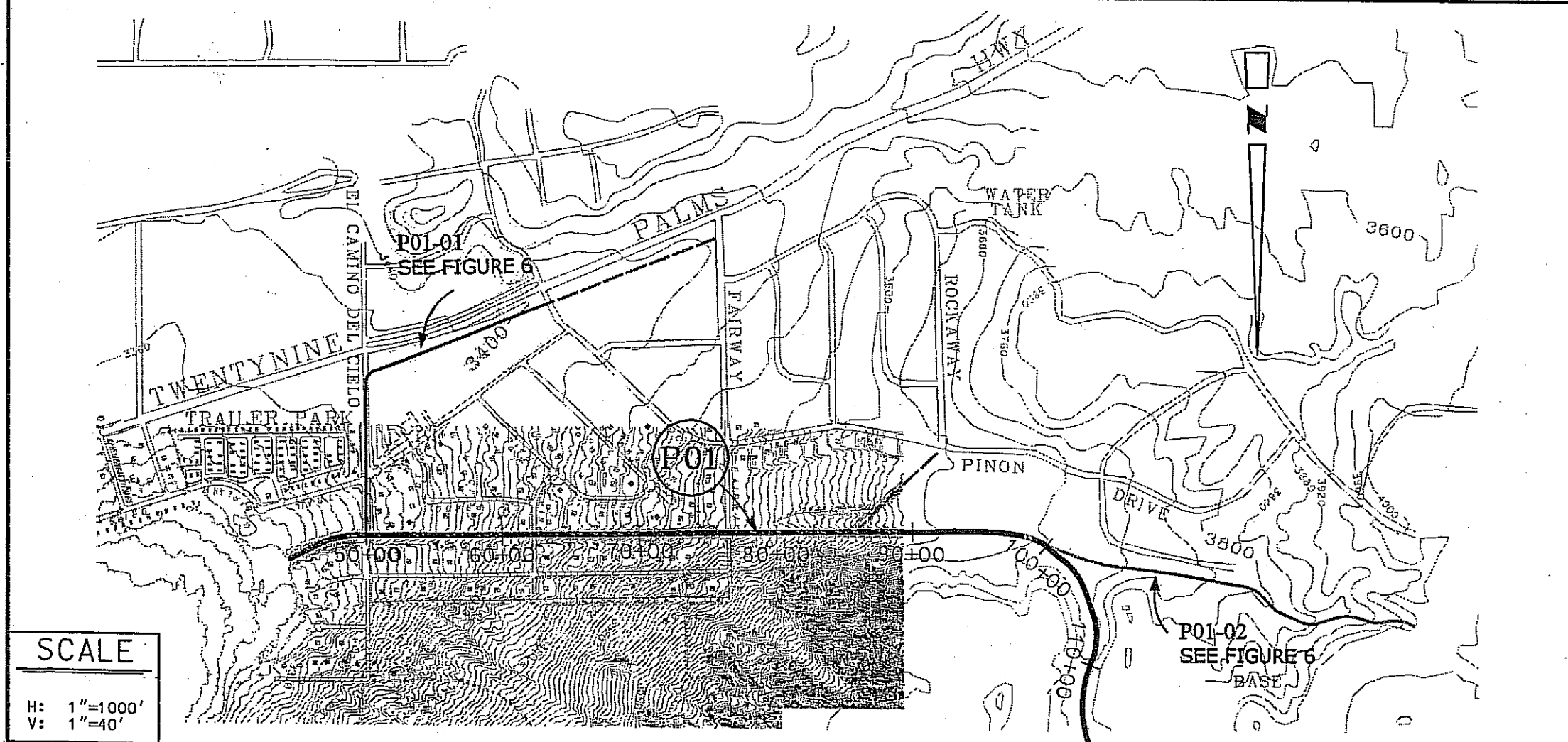
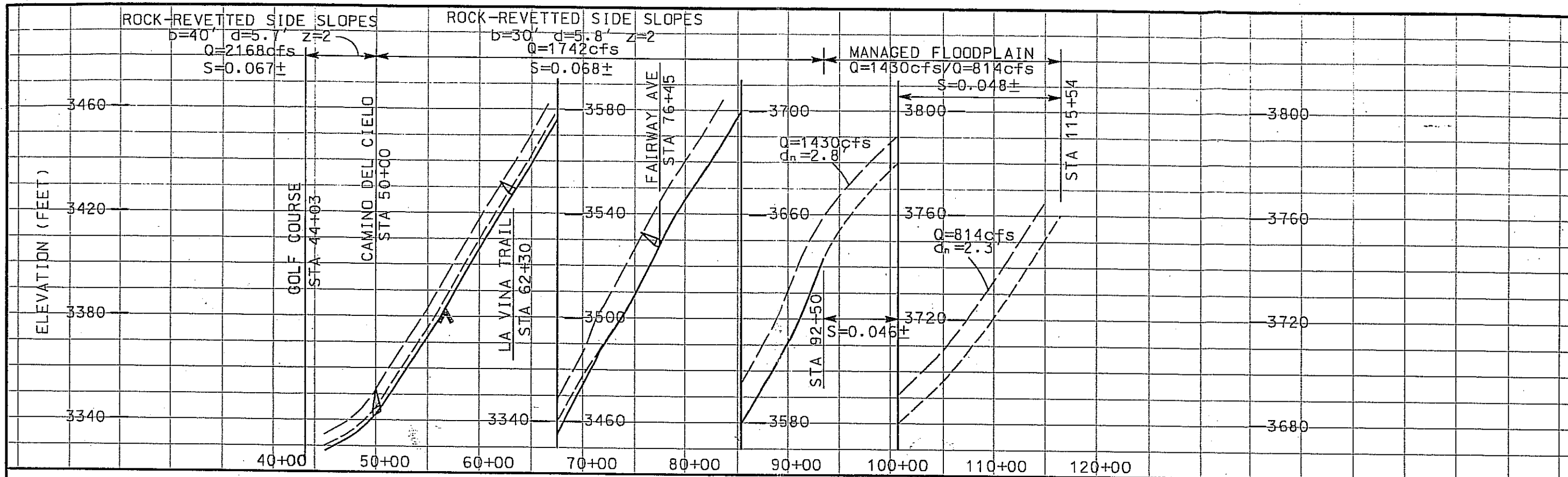


VIII. FIGURES



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- - - PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- 731 FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RRSS ROCK-RETTED SIDE SLOPES

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE

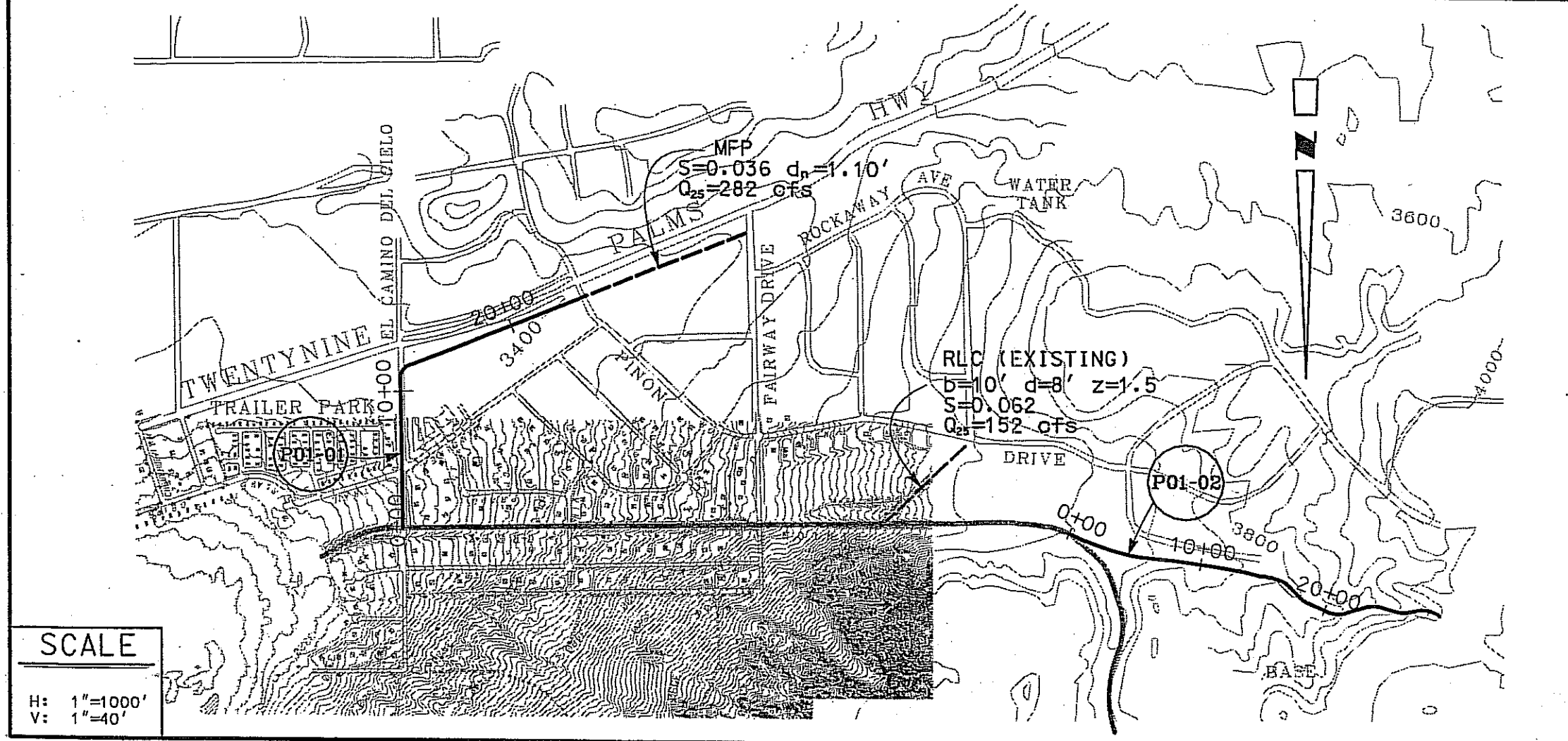
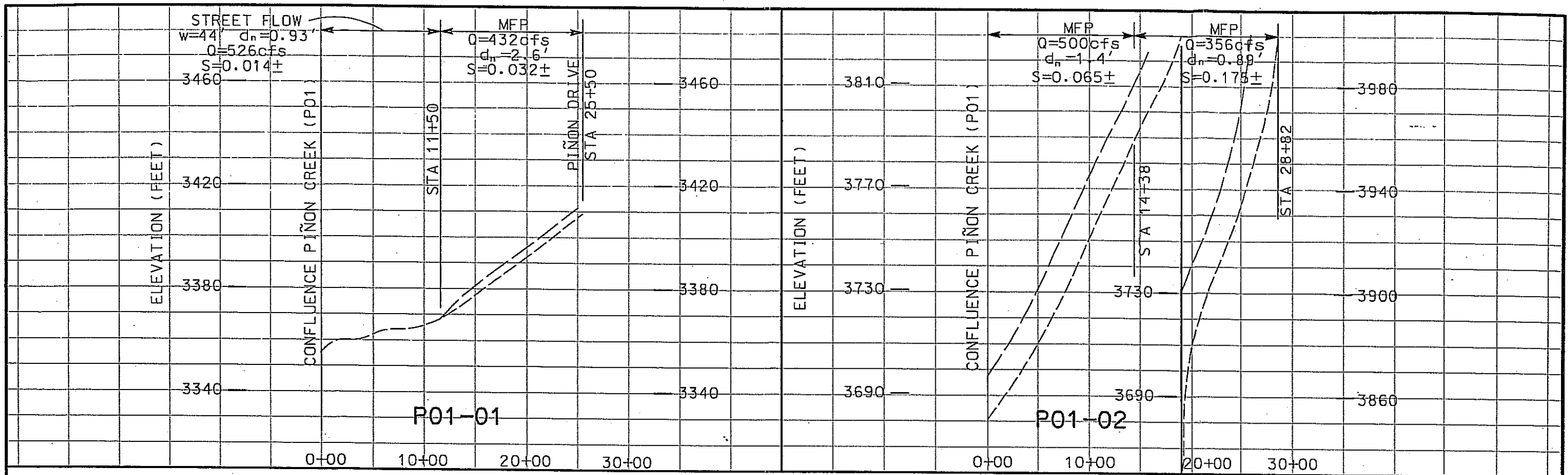
PIÑON CREEK (P01)

STA. 44+03 TO STA. 115+54

SCALE

H: 1"=1000'
V: 1"=40'

DATE
SEPT 1998
FIGURE
5



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- - - PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- ⊙ FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE

**SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT**

**YUCCA VALLEY MASTER PLAN OF DRAINAGE
 CAMINO DEL CIELO (P01-01)
 P01-02**

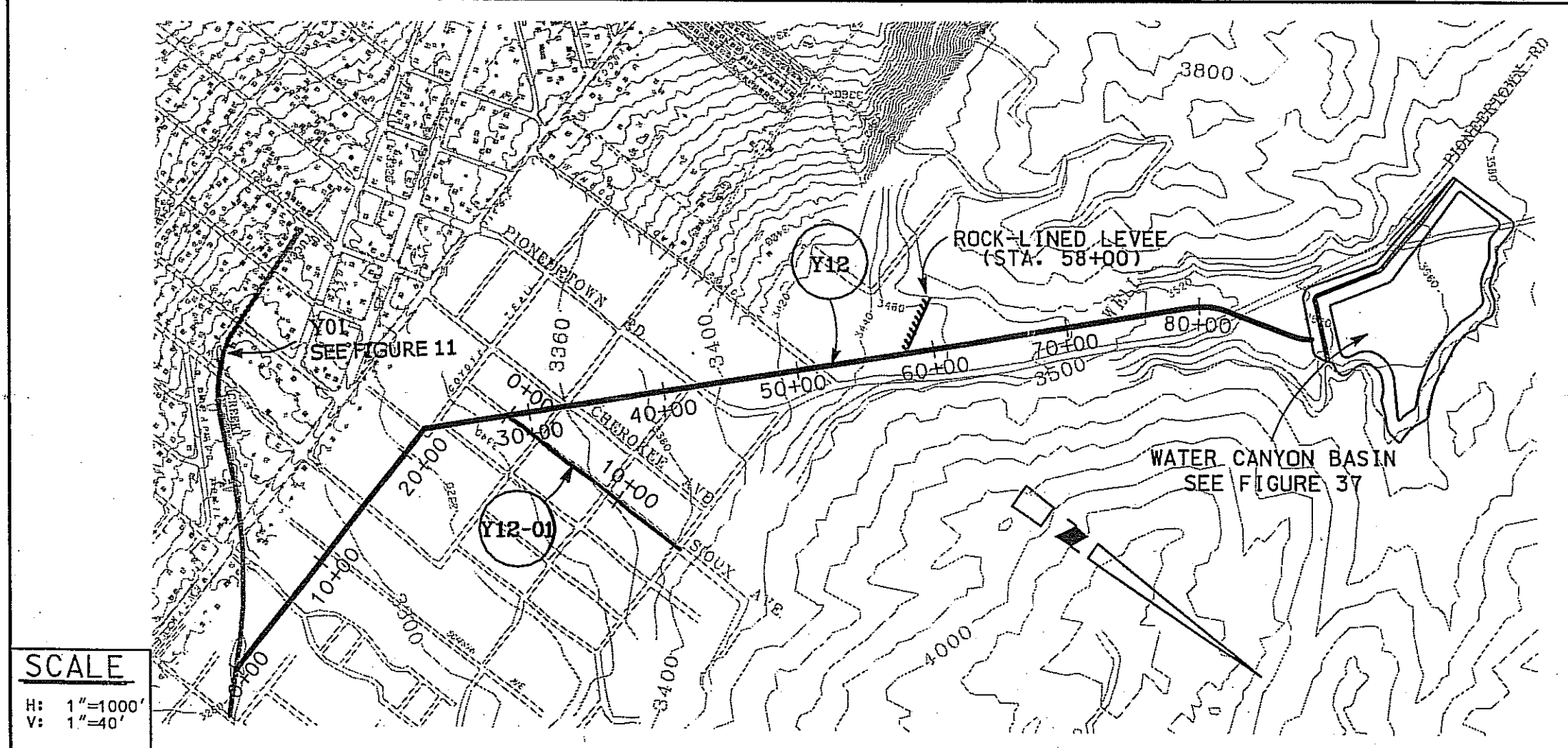
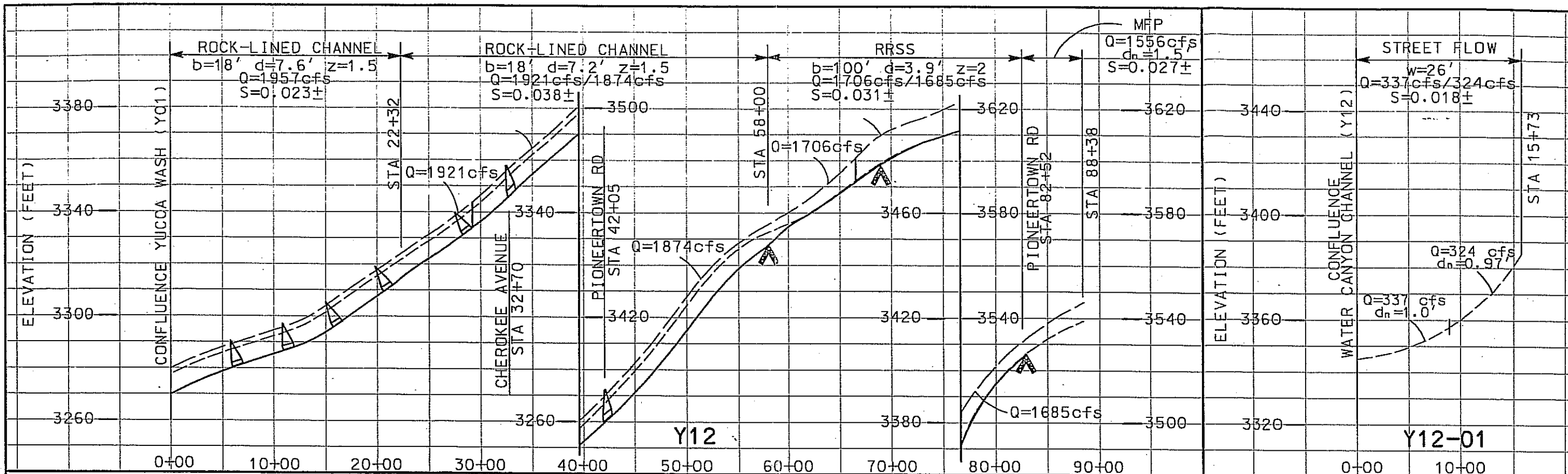
STA. 0+00 TO STA. 25+50
 STA. 0+00 TO STA. 28+82

SCALE
 H: 1"=1000'
 V: 1"=40'

DATE
 SEPT 1998

FIGURE
 6

John H. Tettemer
 JOHN H. TETTEMER & ASSOCIATES, LTD.
 ENGINEERING MANAGEMENT PLANNING
 3151 Arvey Avenue, Suite 0-1 Costa Mesa, California 92626




LEGEND

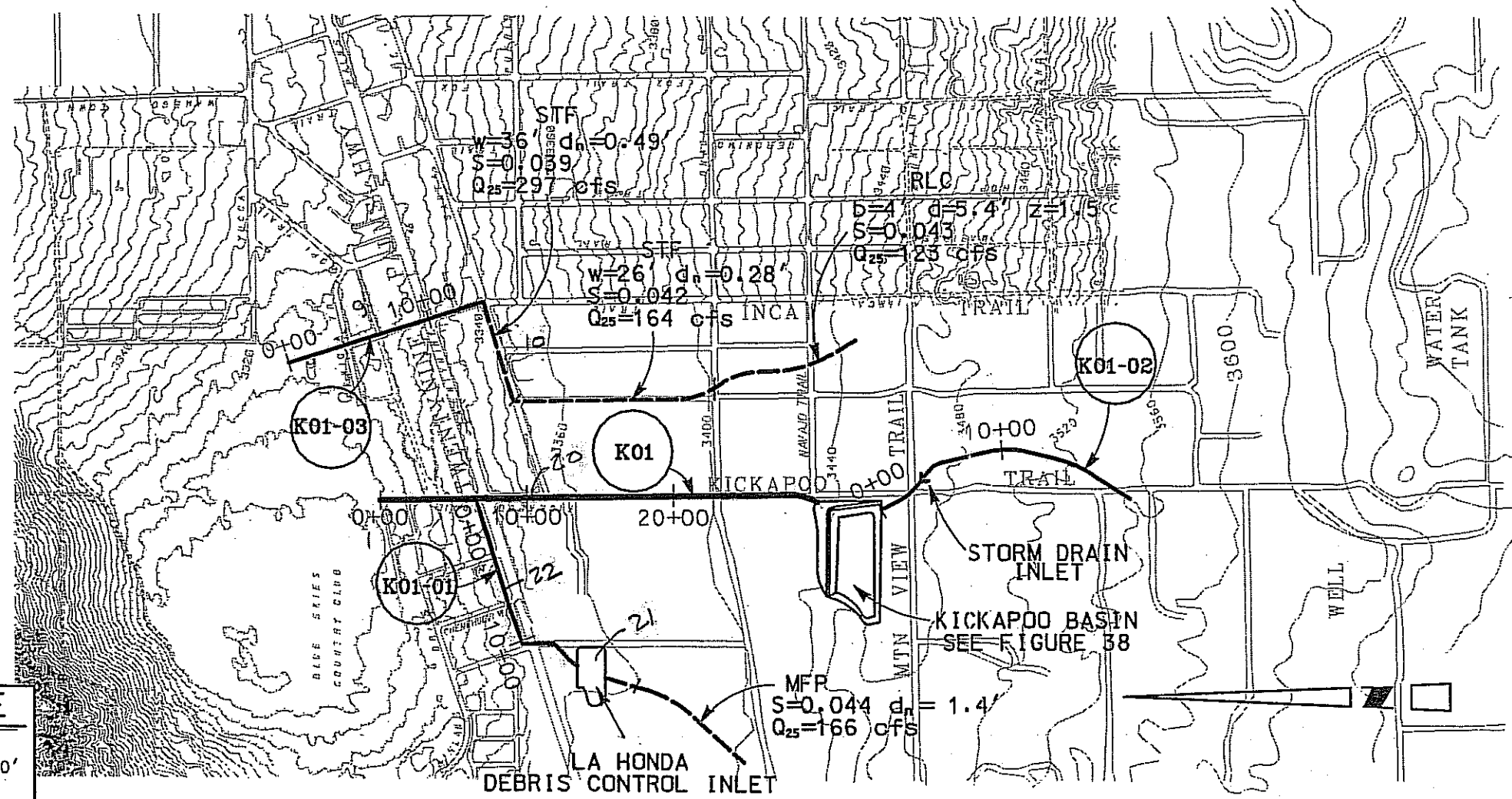
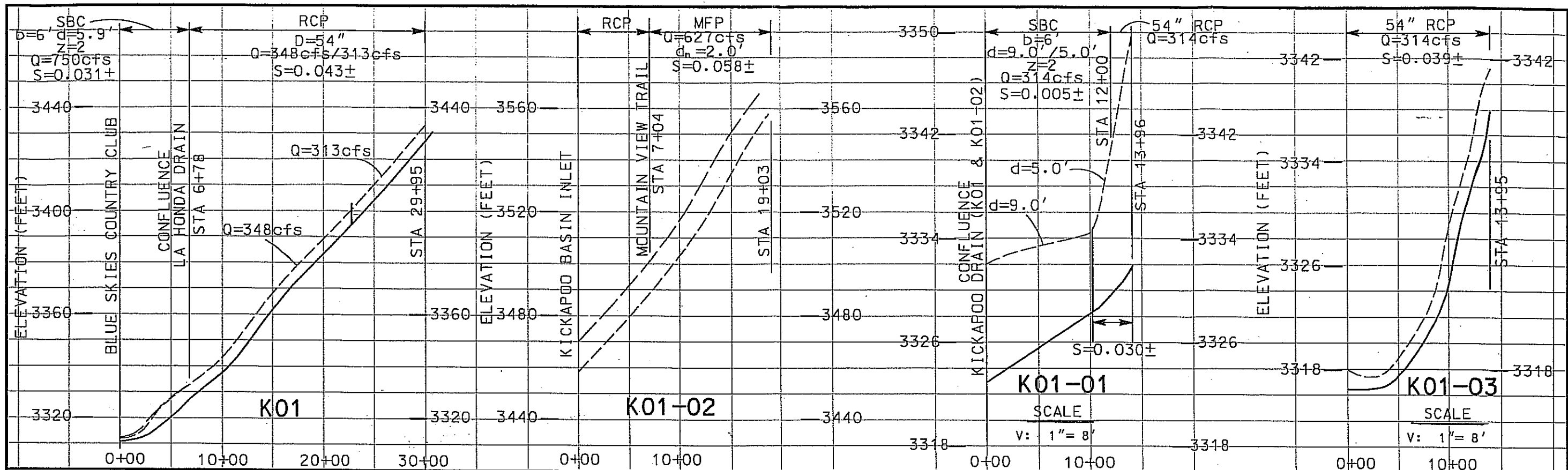
- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- Y01 FACILITY NUMBER
- Y12 REGIONAL FACILITY
- Y12-01 SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RRSS ROCK-RETTED SIDE SLOPES

SCALE
 H: 1"=1000'
 V: 1"=40'

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE
WATER CANYON CHANNEL (Y12)
WATER CANYON CHANNEL
TRIBUTARY (Y12-01)
 STA. 0+00 TO STA. 88+46
 STA. 0+00 TO STA. 15+73

DATE
SEPT 1998
 FIGURE
7


John M. Tettemer
 JOHN M. TETTEMER & ASSOCIATES, LTD.
 ENGINEERING MANAGEMENT PLANNING
 3151 Arroyo Avenue, Suite 0-1 Costa Mesa, California 92626



LEGEND

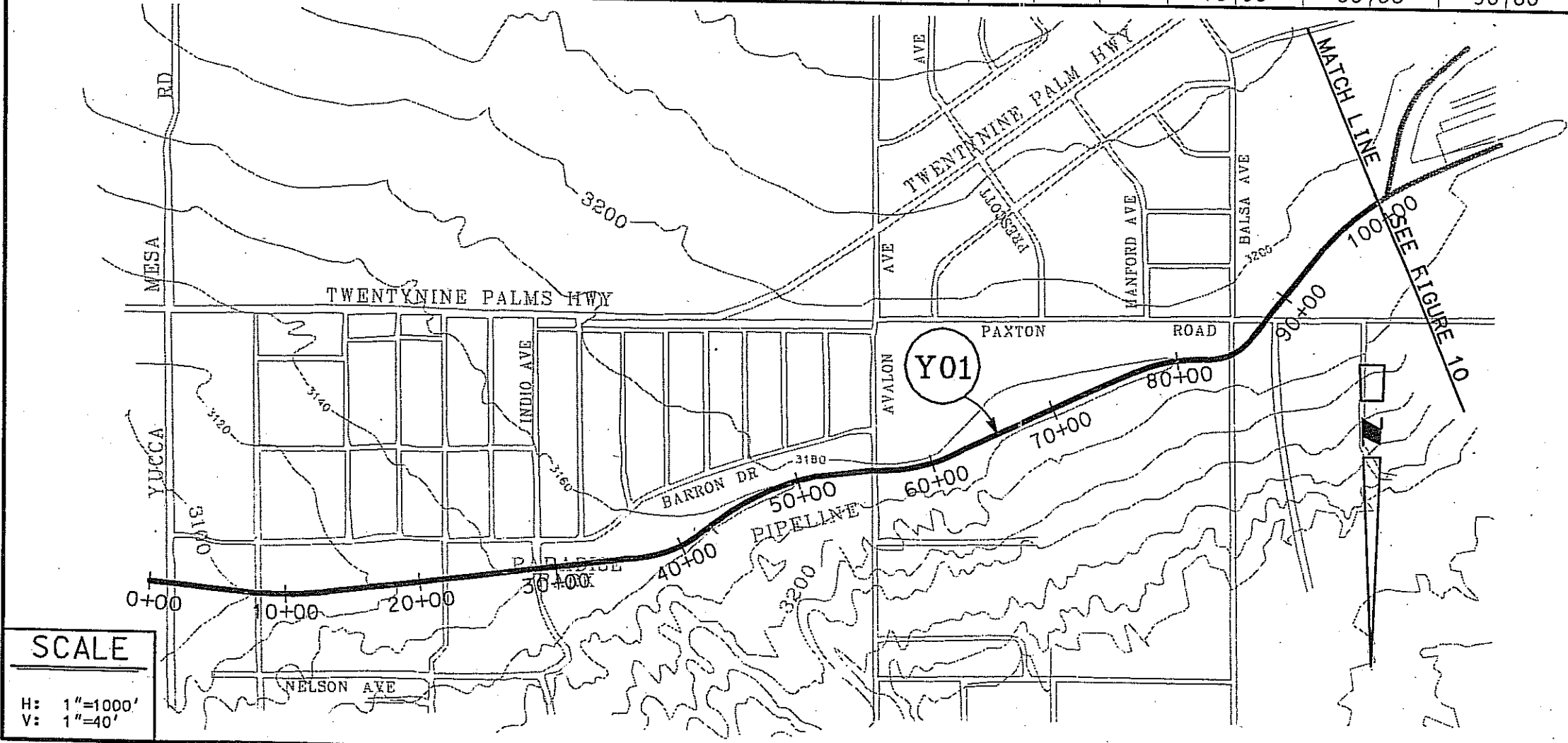
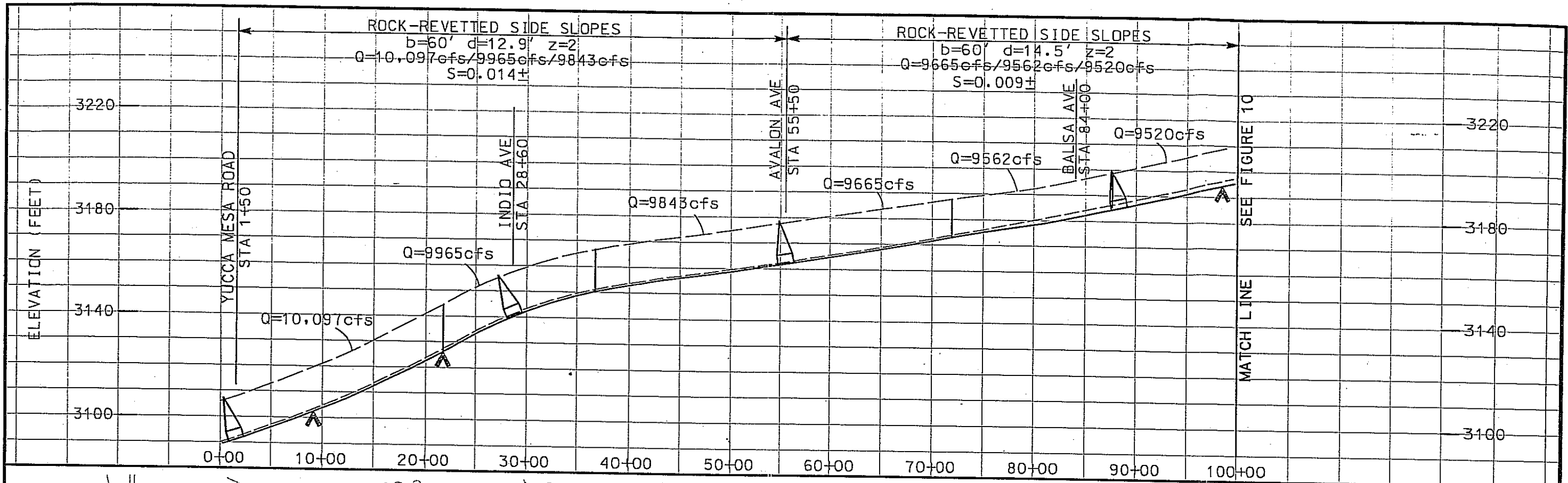
- TOP OF BANK
- NATURAL GROUND
- PROPOSED INVERT
- ▲ STABILIZER STRUCTURE
- ▲ CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RCB REINFORCED- CONCRETE BOX
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE

SCALE
 H: 1"=1000'
 V: 1"=40'

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE
 KICKAPOO DRAIN (K01 & K01-02)
 LA HONDA DRAIN (K01-01)
 INCA TRAIL WASH (K01-03)
 STA. 0+00 TO STA. 29+95
 STA. 0+00 TO STA. 19+03
 STA. 0+00 TO STA. 19+38
 STA. 0+00 TO STA. 13+95

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 3151 Arroyo Avenue, Suite 0-1 Costa Mesa, California 92626

DATE
 SEPT 1998
 FIGURE
 8



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- Y01 FACILITY NUMBER
- ▬ REGIONAL FACILITY
- ▬ SECONDARY FACILITY
- ▬ LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- RCP REINFORCED CONCRETE PIPE
- RRSS ROCK-RETTED SIDE SLOPES

SCALE

H: 1"=1000'
V: 1"=40'

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE

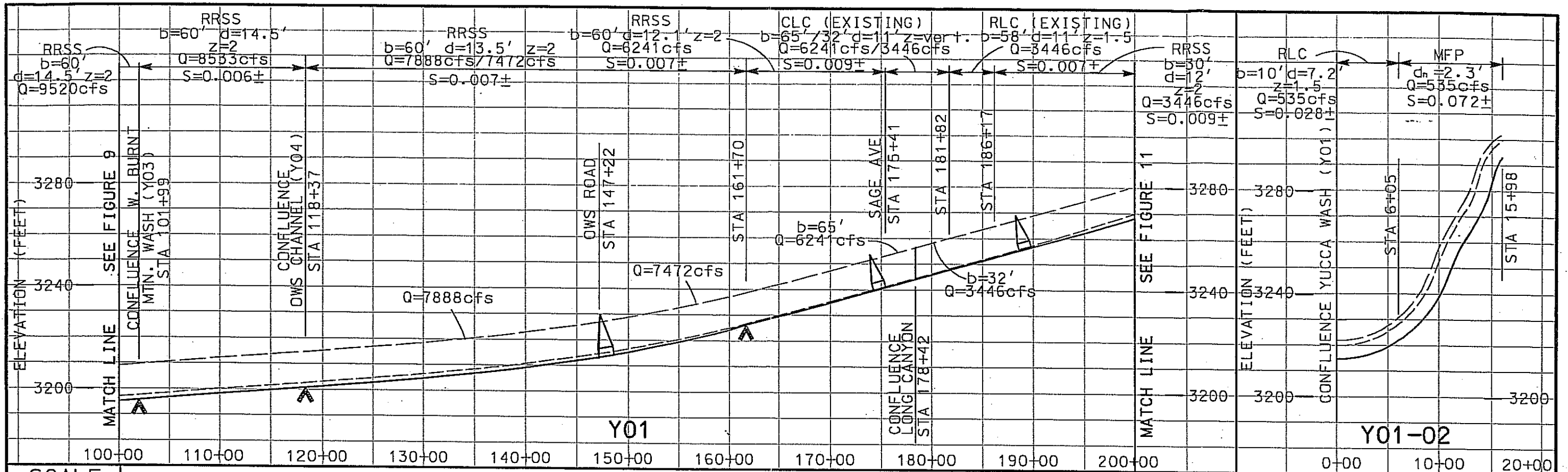
YUCCA WASH (Y01)

STA. 0+00 TO STA. 100+00

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ENGINEERING MANAGEMENT PLANNING
3151 Arroyo Avenue, Suite 0-1 Costa Mesa, California 92626

DATE
SEPT 1998

FIGURE
9

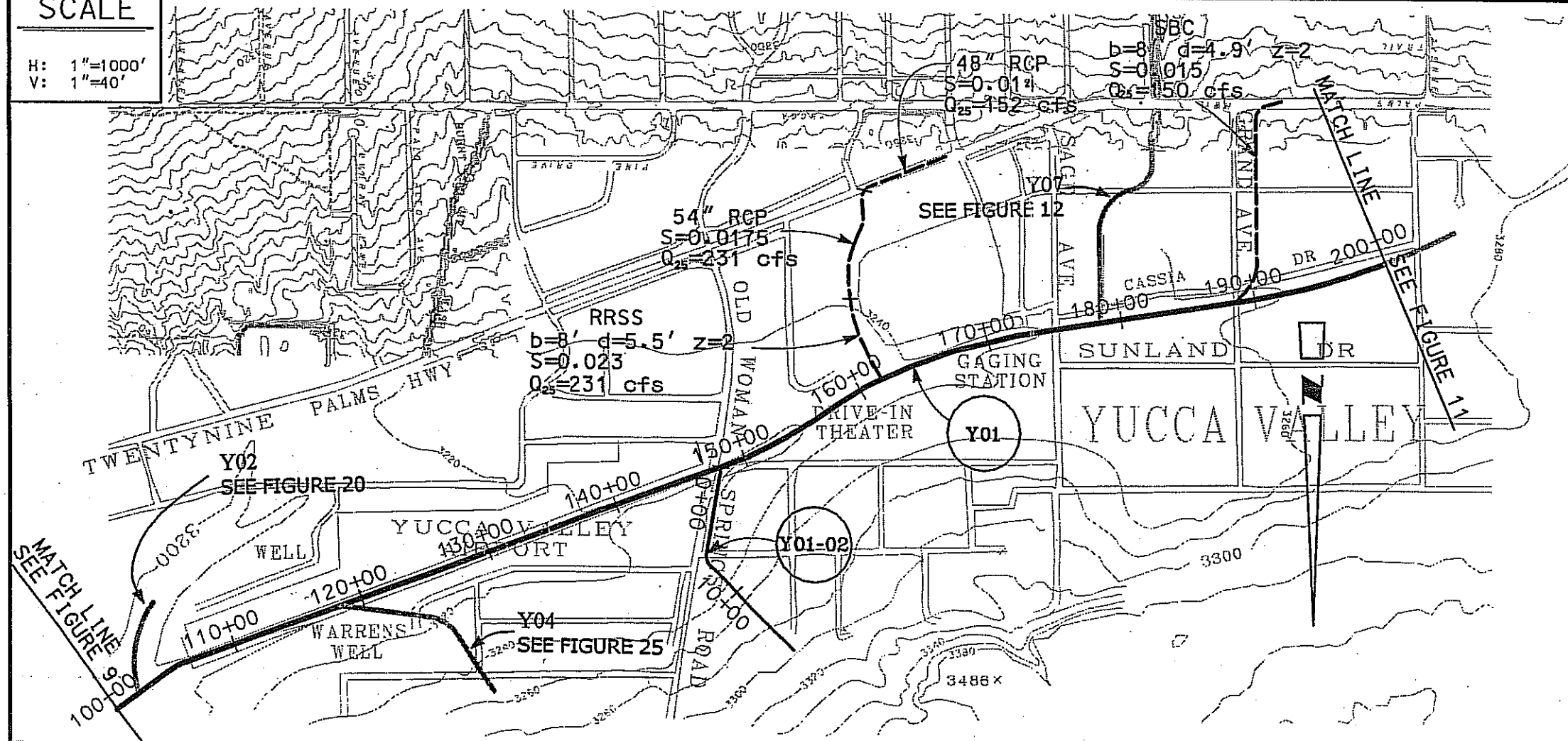


SCALE

H: 1"=1000'
V: 1"=40'

LEGEND

- TOP OF BANK
- NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- RCP REINFORCED CONCRETE PIPE
- RRSS ROCK-RETTED SIDE SLOPES



SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE

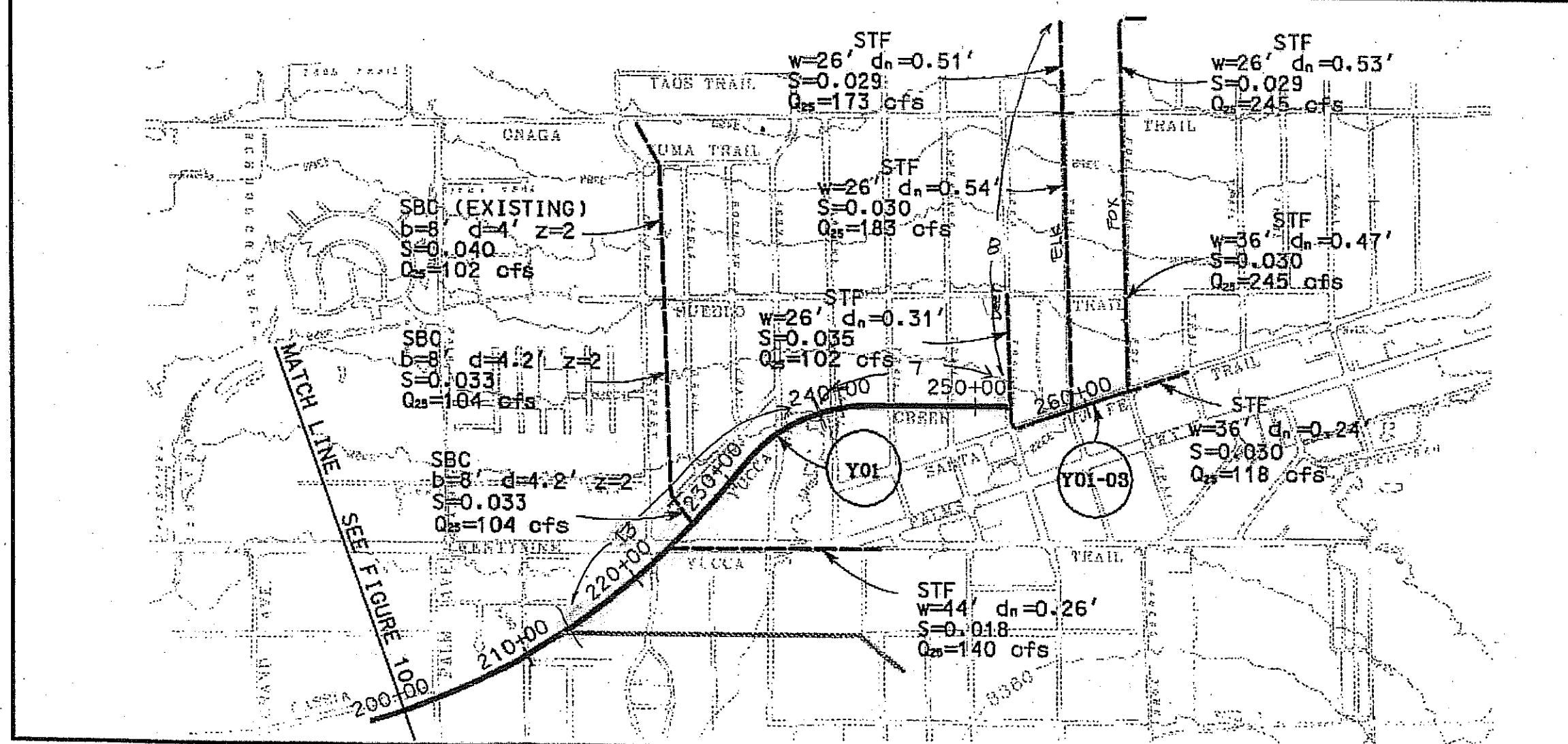
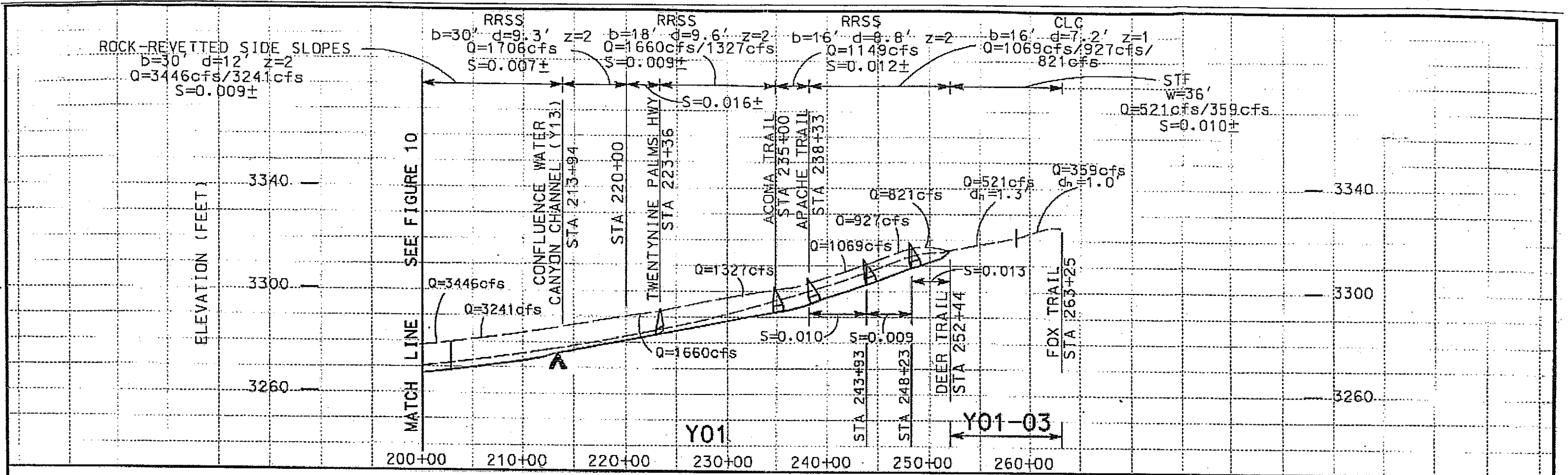
**YUCCA WASH (Y01)
CRESTVIEW WASH (Y01-02)**

STA. 100+00 TO STA. 200+00
STA. 0+00 TO STA. 15+89

DATE
SEPT 1998

FIGURE
10

John M. Tettener
JOHN M. TETTENER & ASSOCIATES, LTD.
ENGINEERING MANAGEMENT PLANNING
3151 Airway Avenue, Suite 0-1 Costa Mesa, California 92626



LEGEND

- TOP OF BANK
- NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- RCP REINFORCED CONCRETE PIPE
- RRSS ROCK-RETTED SIDE SLOPES

**SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT**

YUCCA VALLEY MASTER PLAN OF DRAINAGE

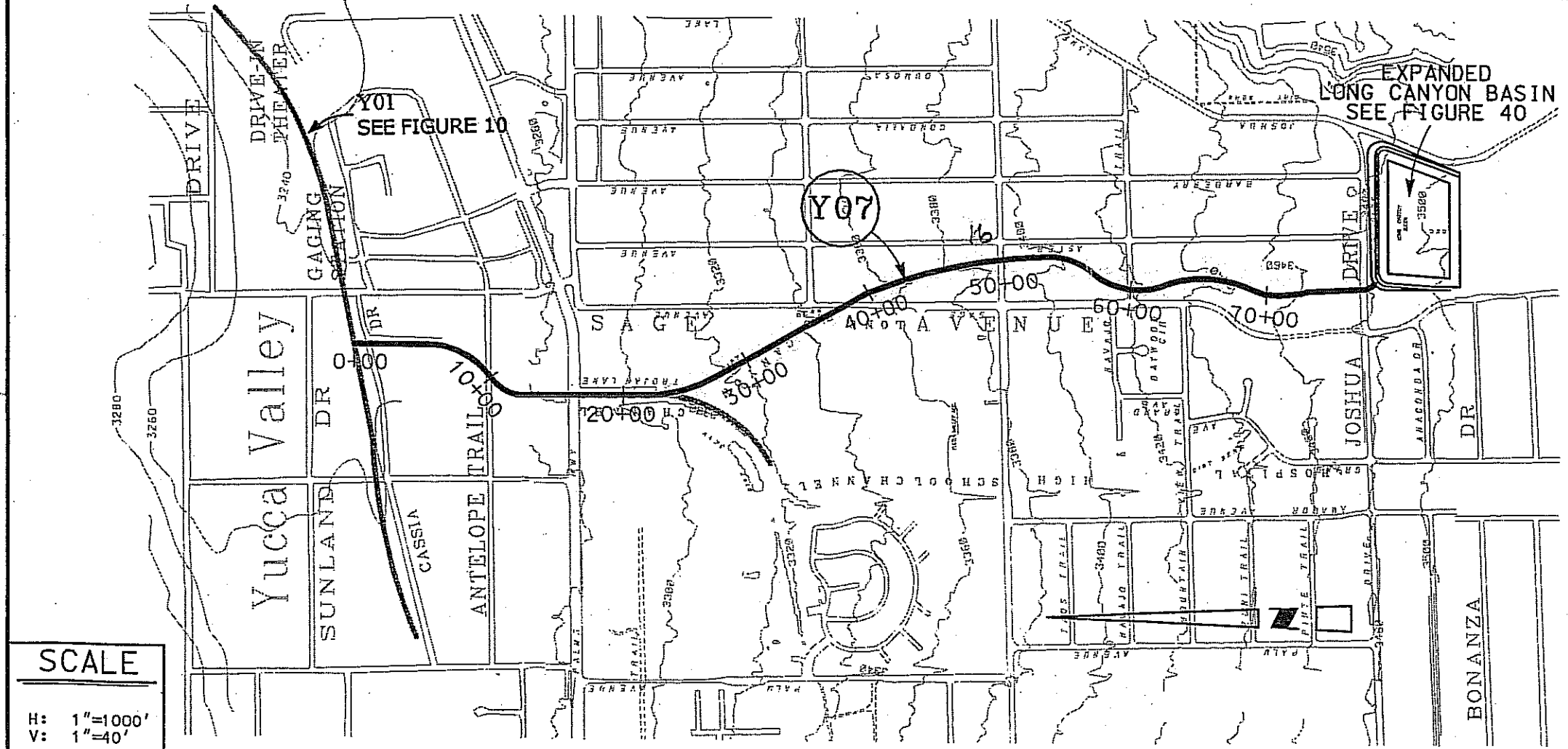
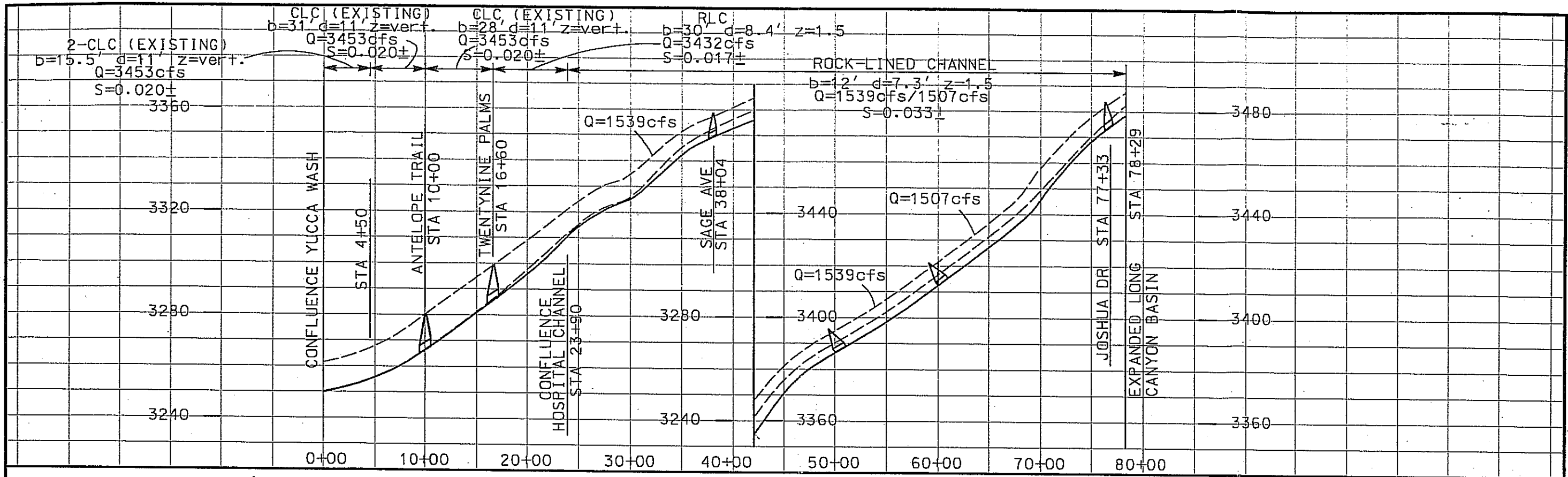
**YUCCA WASH (Y01)
 SANTA FE TRAIL (Y01-03)**

STA. 200+00 TO STA. 252+44
 STA. 252+44 TO STA. 263+25

DATE
 SEPT 1998

FIGURE
 11

John M. Tettemer
 JOHN M. TETTEMER & ASSOCIATES, LTD.
 ENGINEERING MANAGEMENT PLANNING
 3351 Arroyo Avenue, Suite 0-1 Costa Mesa, California 92626



LEGEND

- TOP OF BANK
- NATURAL GROUND
- PROPOSED INVERT
- ▲ STABILIZER STRUCTURE
- ▲ CULVERT
- Y01 FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE


SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE

LONG CANYON CHANNEL (Y07)

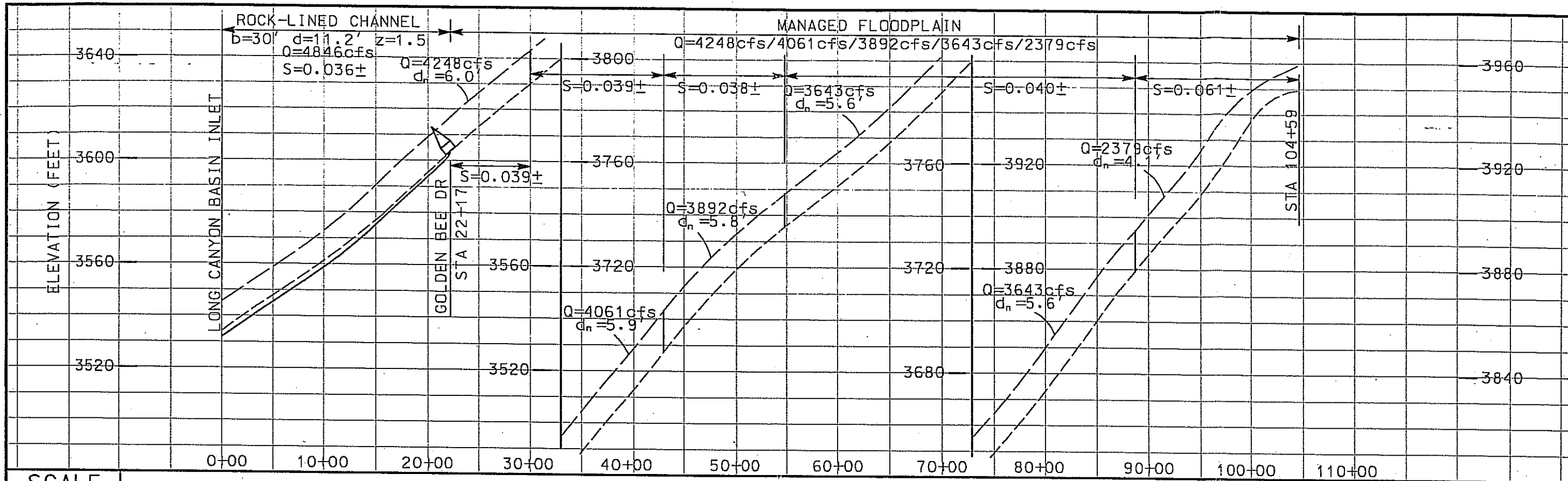
STA. 0+00 TO STA. 78+29

SCALE

H: 1"=1000'
 V: 1"=40'


John M. Tetterer
 JOHN M. TETTERER & ASSOCIATES, LTD.
 ENGINEERING MANAGEMENT PLANNING
 3151 Farway Avenue, Suite 0-1 Costa Mesa, California 92626

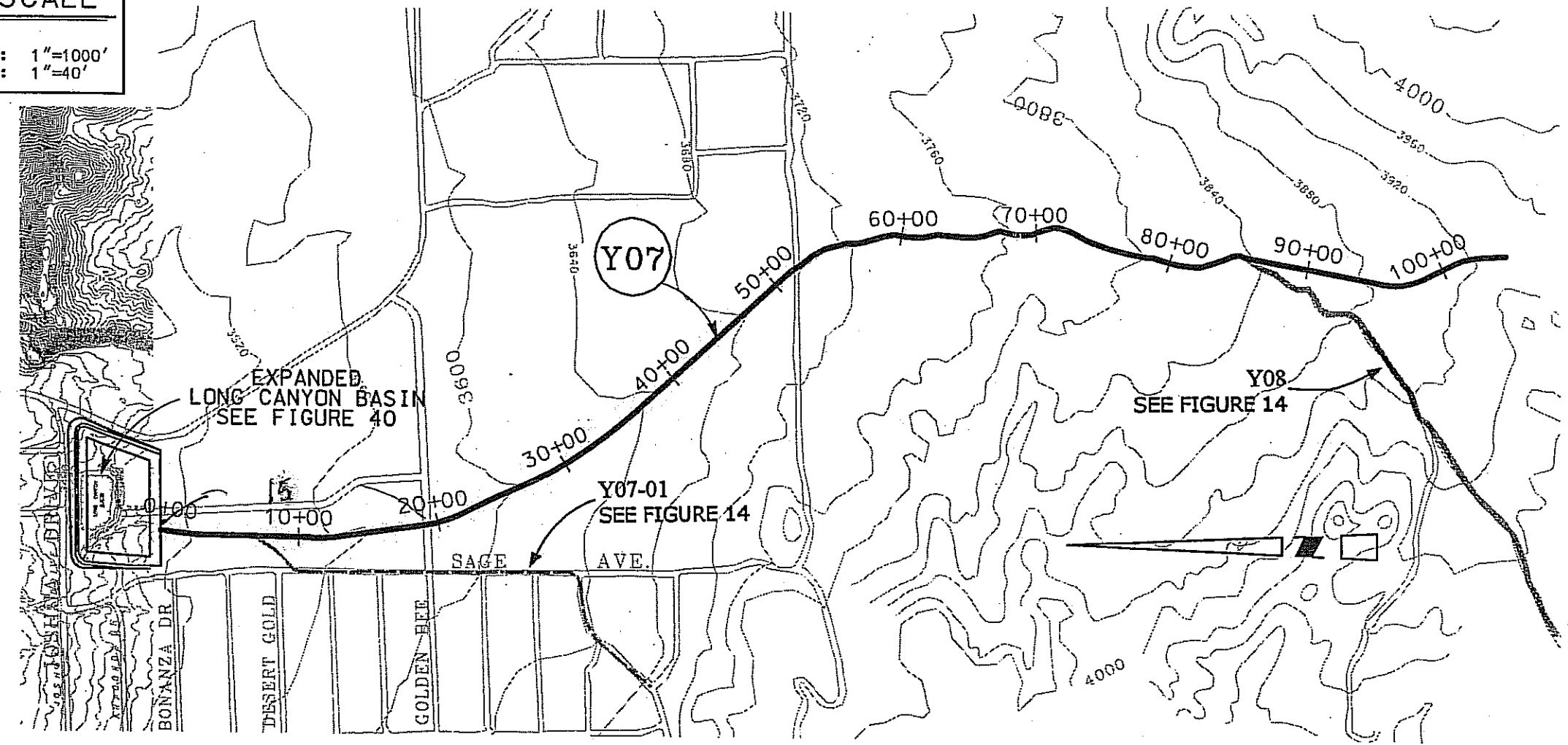
DATE
 SEPT 1998
 FIGURE
 12



SCALE
 H: 1"=1000'
 V: 1"=40'

LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ STABILIZER STRUCTURE
- ▲ CULVERT
- (Y01) FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE



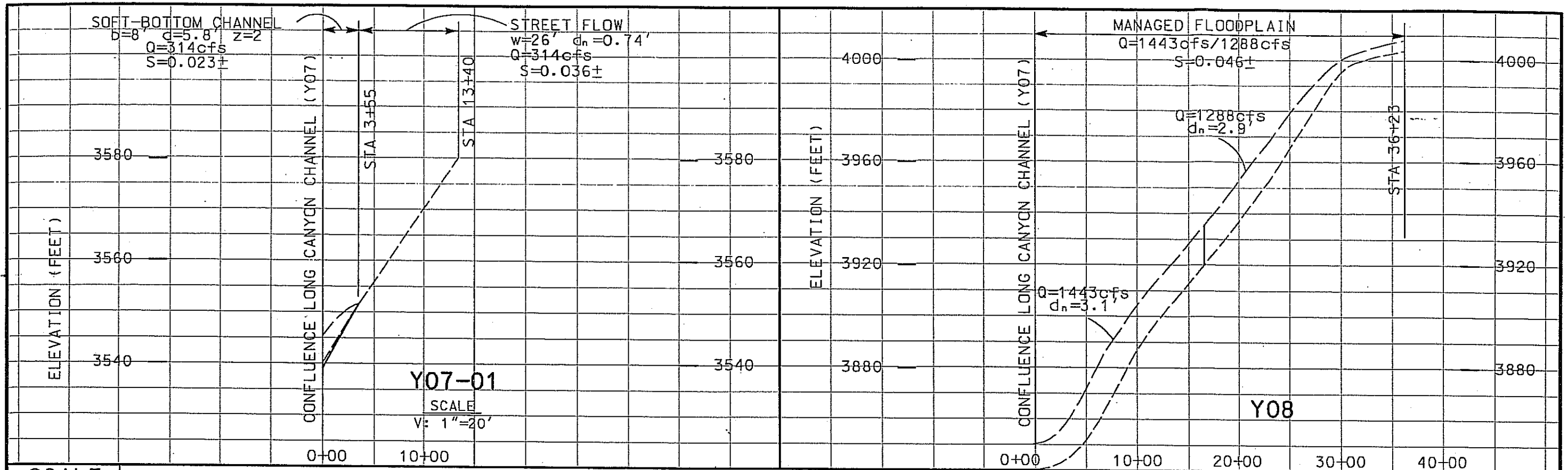
SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE

LONG CANYON CHANNEL (Y07)

STA. 0+00 TO STA. 104+59

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 ENGINEERING MANAGEMENT PLANNING
 3151 Arroyo Avenue, Suite D-1 Costa Mesa, California 92626

DATE
 SEPT 1998
 FIGURE
 13



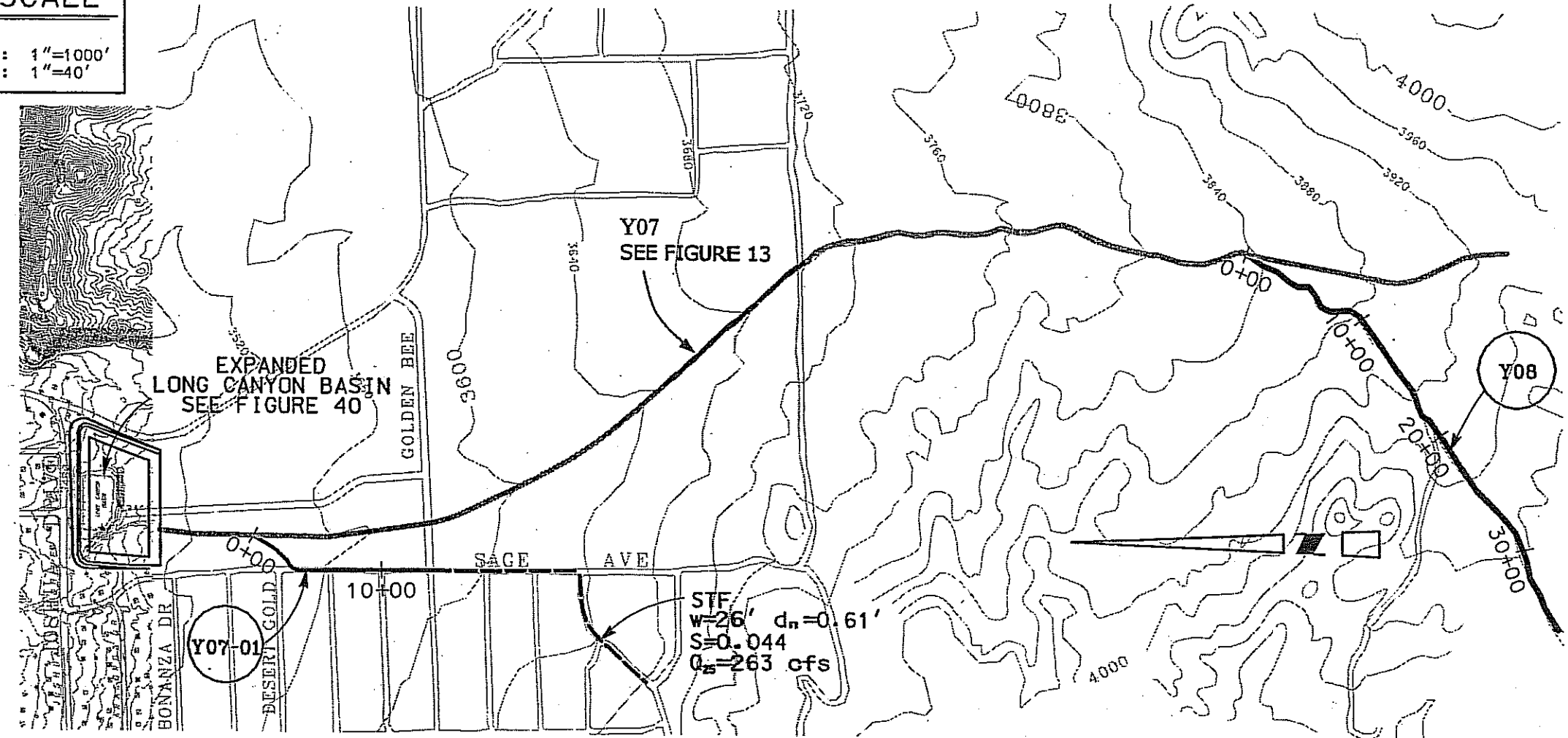
SCALE
 H: 1"=1000'
 V: 1"=40'

Y07-01
 SCALE
 V: 1"=20'

Y08

LEGEND

- TOP OF BANK
- NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- (Y01) FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RRSS ROCK-RETTED SIDE SLOPES



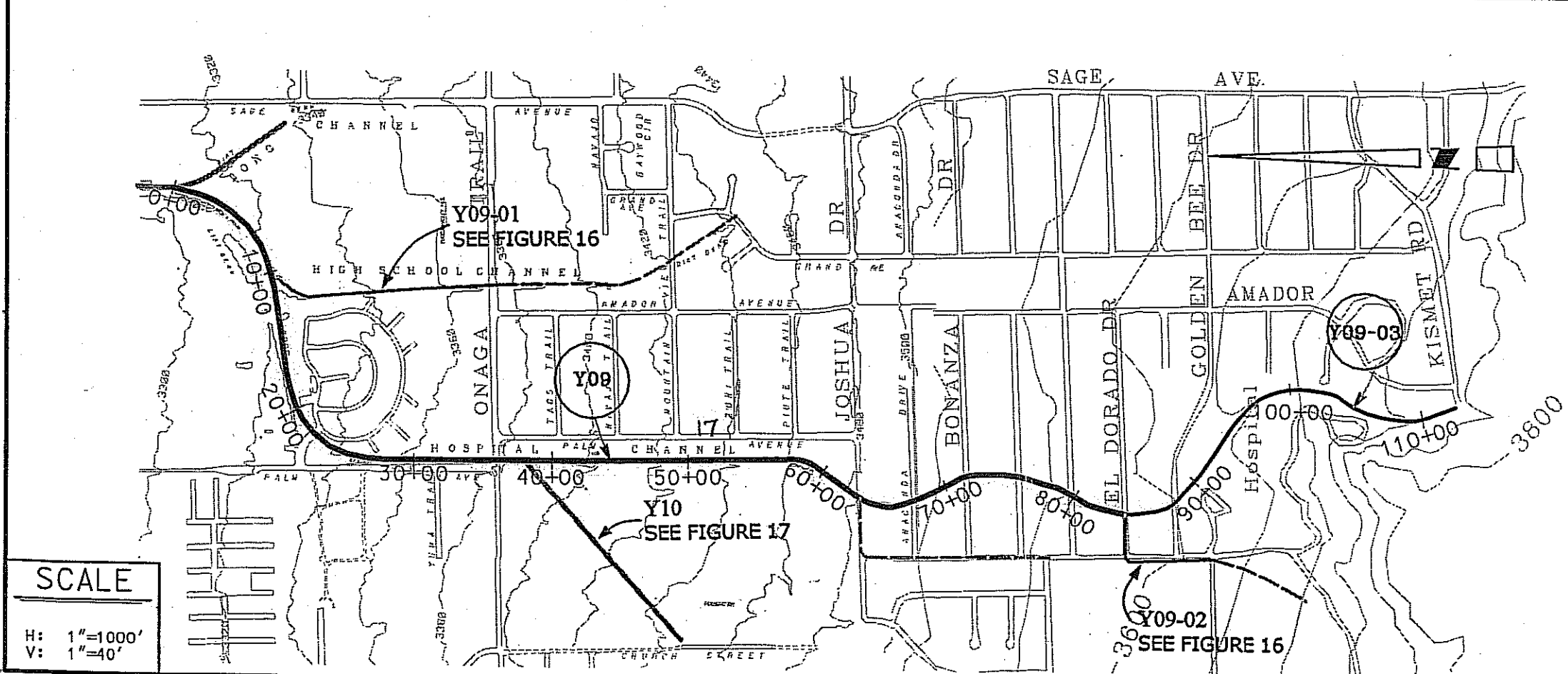
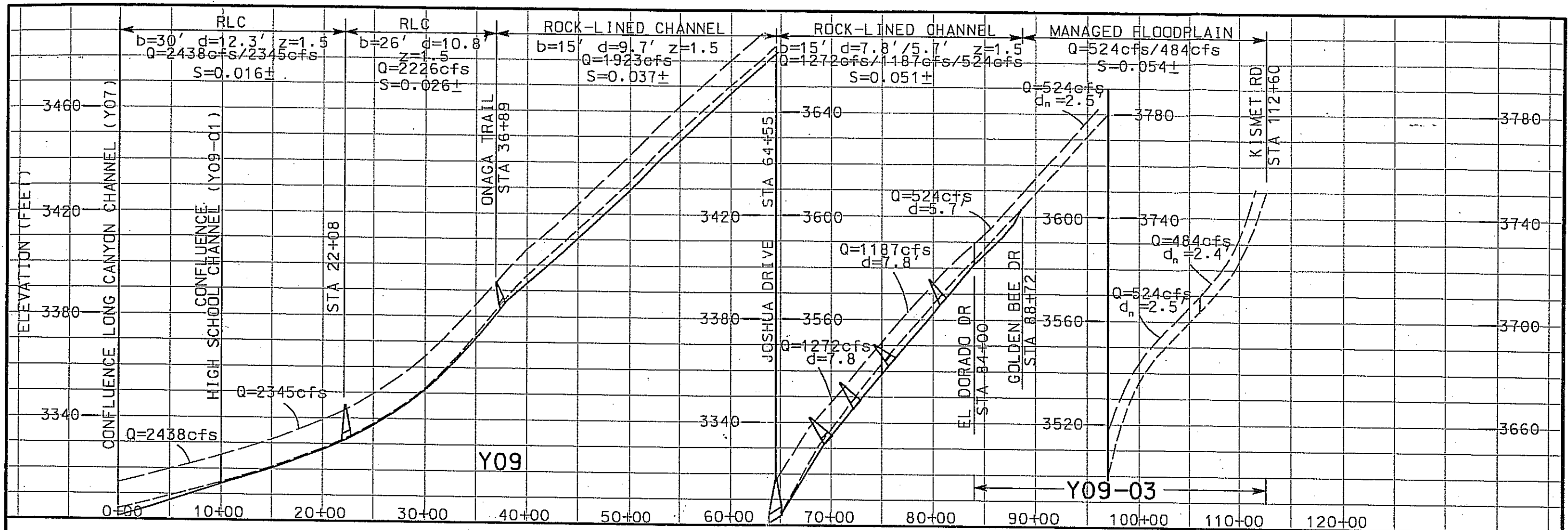
SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE

**SAGE AVE DRAIN (Y07-01)
 LONG CANYON WASH TRIB. (Y08)**

STA. 0+00 TO STA. 13+40
 STA. 0+00 TO STA. 36+23

John M. Tetterer
 JOHN M. TETTERER & ASSOCIATES, LTD.
 ENGINEERING MANAGEMENT PLANNING
 3151 Airway Avenue, Suite 0-1 Costa Mesa, California 92626

DATE
SEPT 1998
 FIGURE
14



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN

SCALE

H: 1"=1000'
V: 1"=40'

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE

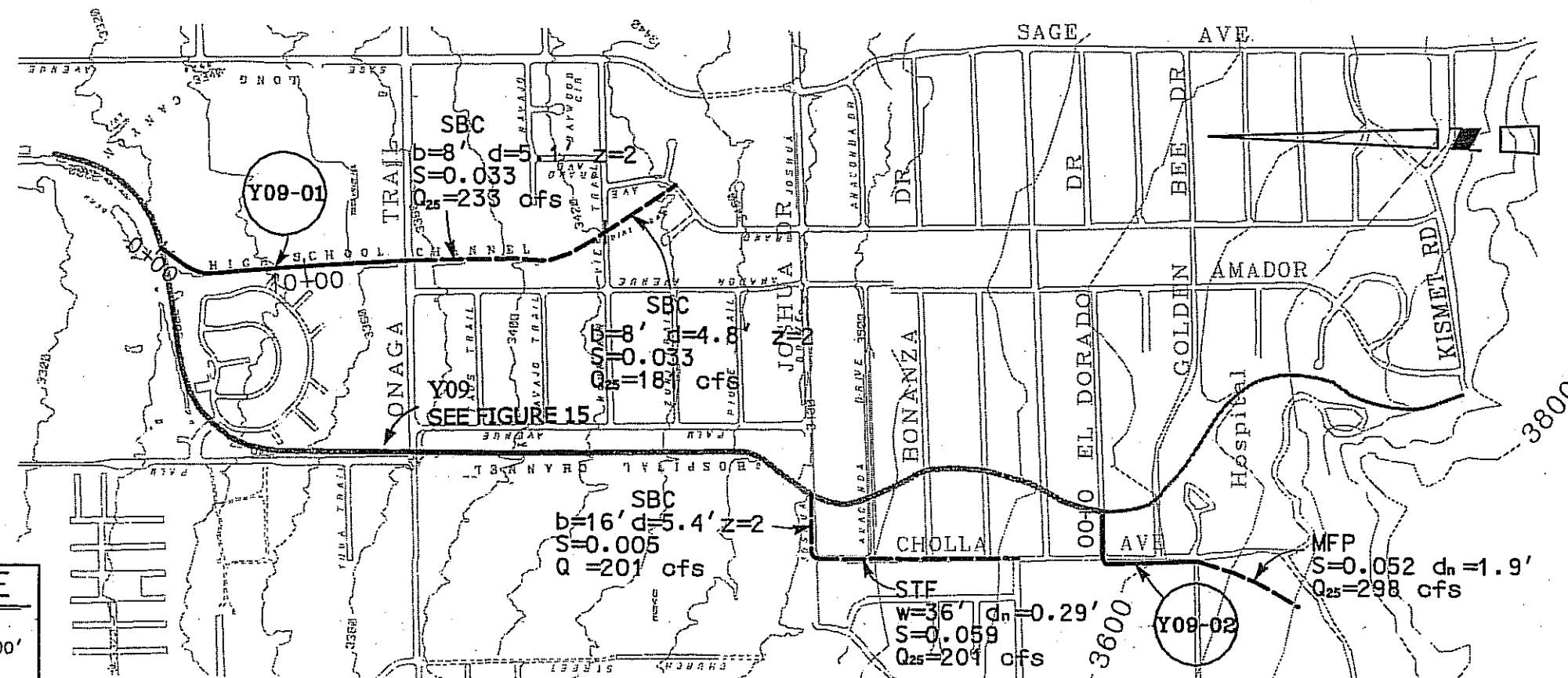
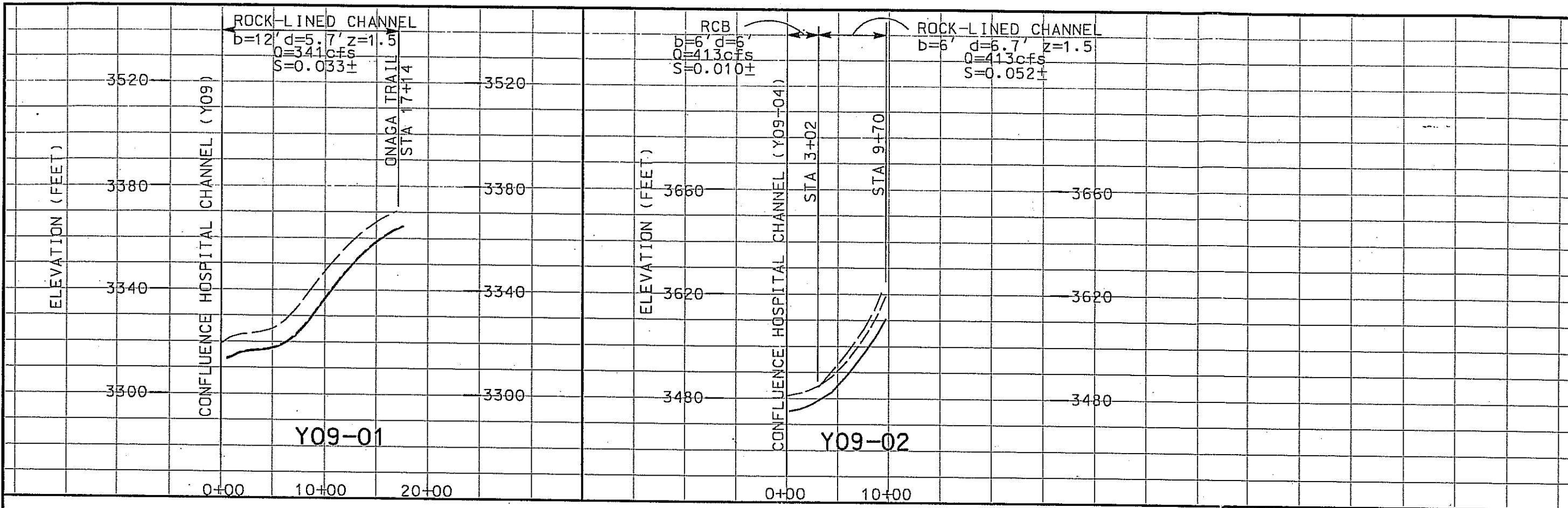
**HOSPITAL CHANNEL
(Y09 & Y09-03)**

STA. 0+00 TO STA. 112+60

DATE
SEPT 1998

FIGURE
15

John M. Tetterer
JOHN M. TETTERER & ASSOCIATES, LTD.
ENGINEERING MANAGEMENT PLANNING
3151 Arroyo Avenue, Suite Q-1 Costa Mesa, California 92626



LEGEND

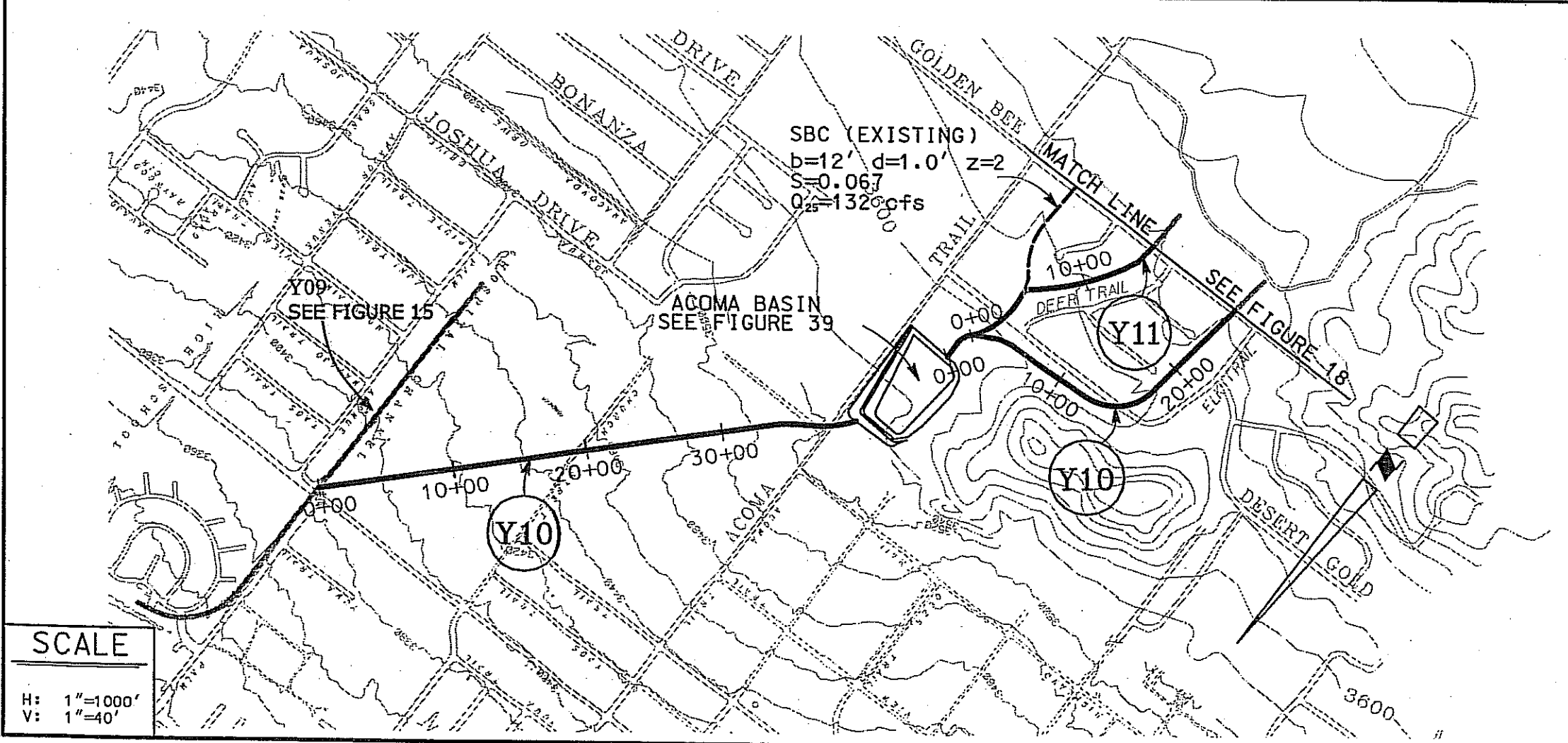
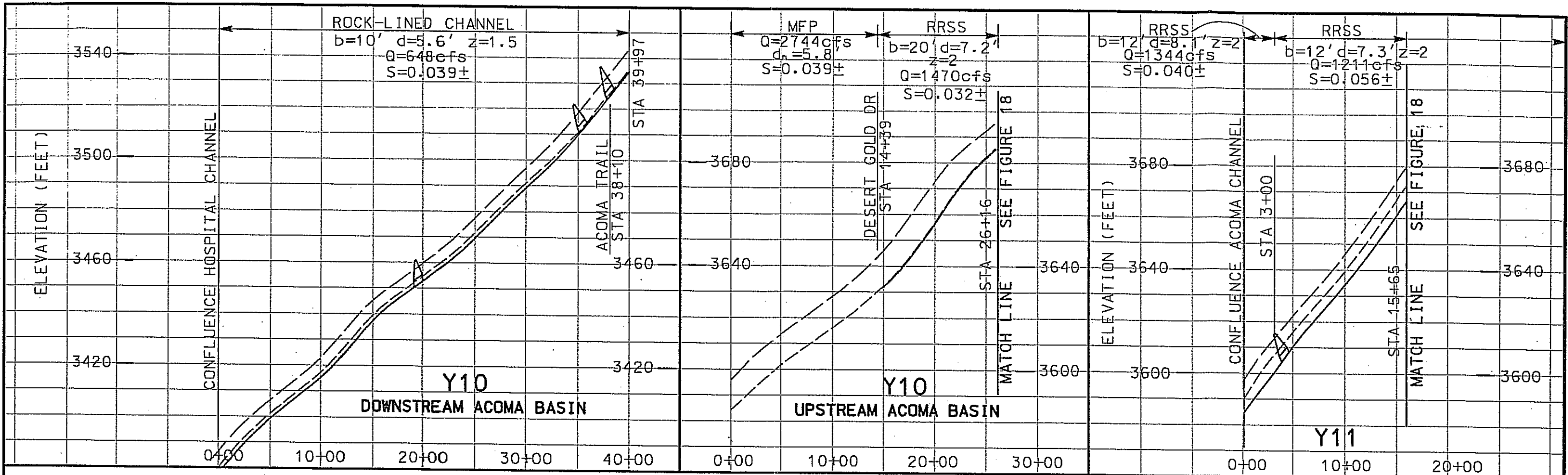
- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- Y01 FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- RCB REINFORCED CONCRETE BOX
- RRSS ROCK-RETTED SIDE SLOPES

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE
HIGH SCHOOL CHANNEL (Y09-01)
CHOLLA AVE DRAIN (Y09-02)
 STA. 0+00 TO STA. 17+14
 STA. 0+00 TO STA. 9+70

SCALE
 H: 1"=1000'
 V: 1"=40'

John M. Tetterer
 JOHN M. TETTERER & ASSOCIATES, LTD.
 ENGINEERING MANAGEMENT PLANNING
 3151 Arroyo Avenue, Suite G-1 Costa Mesa, California 92626

DATE
 SEPT 1998
 FIGURE
 16



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ STABILIZER STRUCTURE
- ▽ CULVERT
- FACILITY NUMBER
- ▭ REGIONAL FACILITY
- ▭ SECONDARY FACILITY
- ▭ LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RRSS ROCK-RETTED SIDE SLOPES

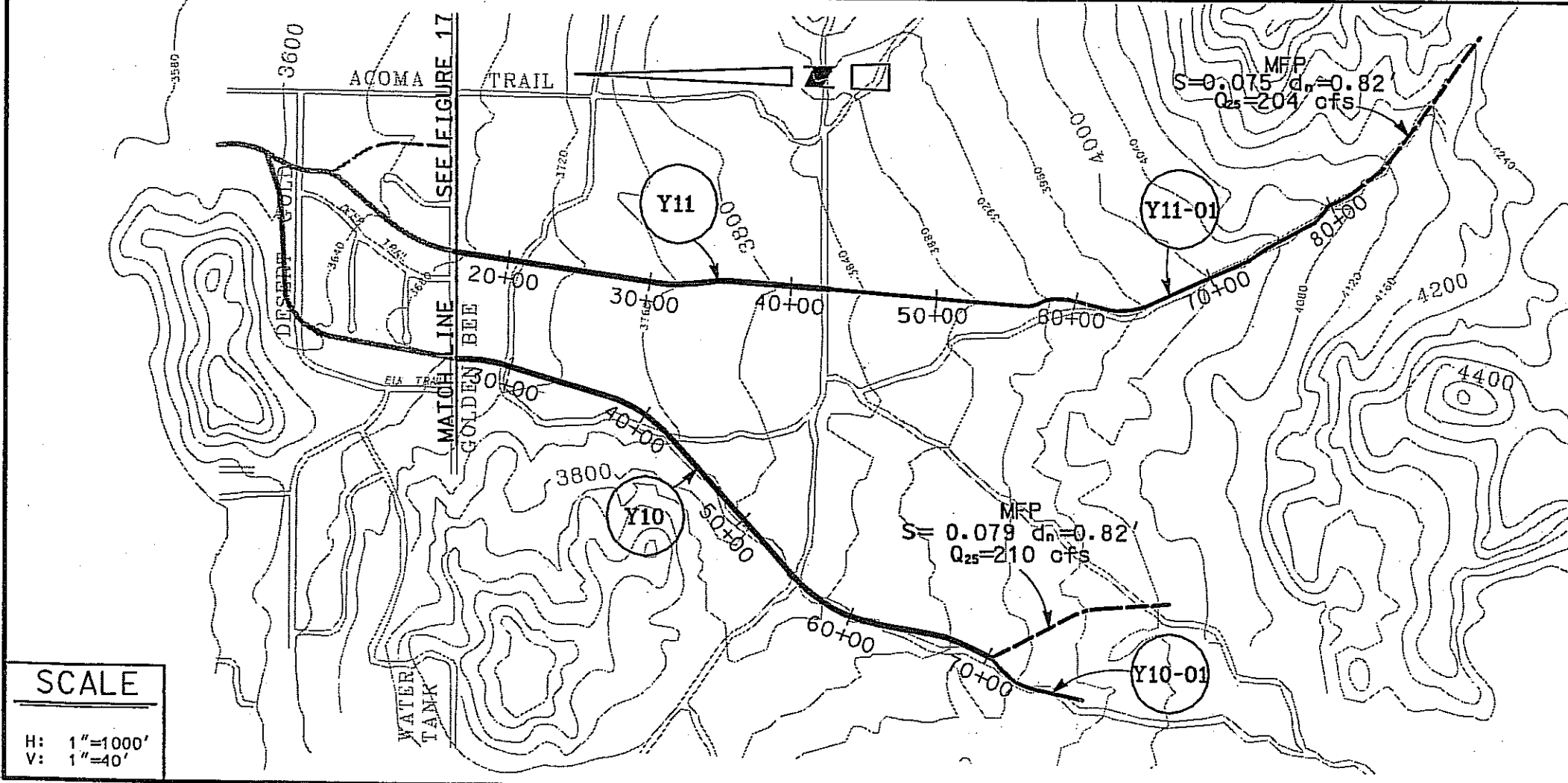
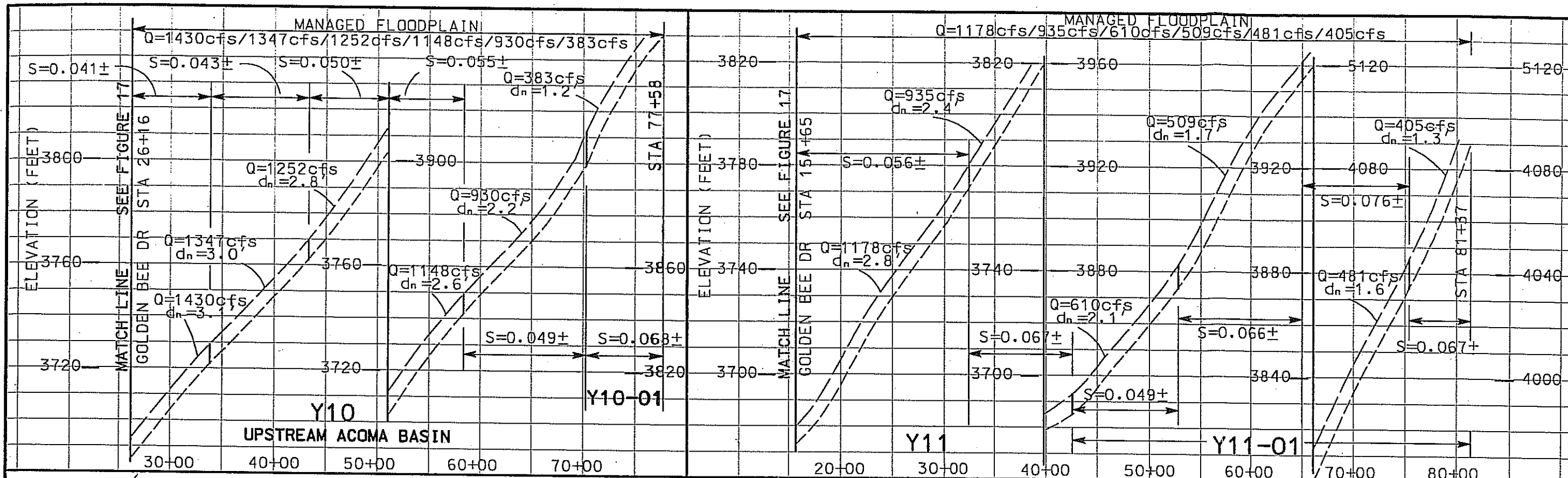
SCALE

H: 1"=1000'
V: 1"=40'

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE
ACOMA CHANNEL (Y10)
DEER TRAIL CHANNEL (Y11)
STA. 0+00 TO STA. 39+97
STA. 0+00 TO STA. 26+16
STA. 0+00 TO STA. 15+65

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ENGINEERING MANAGEMENT PLANNING
3151 Airway Avenue, Suite Q-1 Costa Mesa, California 92626

DATE
SEPT 1998
FIGURE
17



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- - - PROPOSED INVERT
- ▲ STABILIZER STRUCTURE
- ▲ CULVERT
- FACILITY NUMBER
- ▬ REGIONAL FACILITY
- ▬ SECONDARY FACILITY
- ▬ LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE

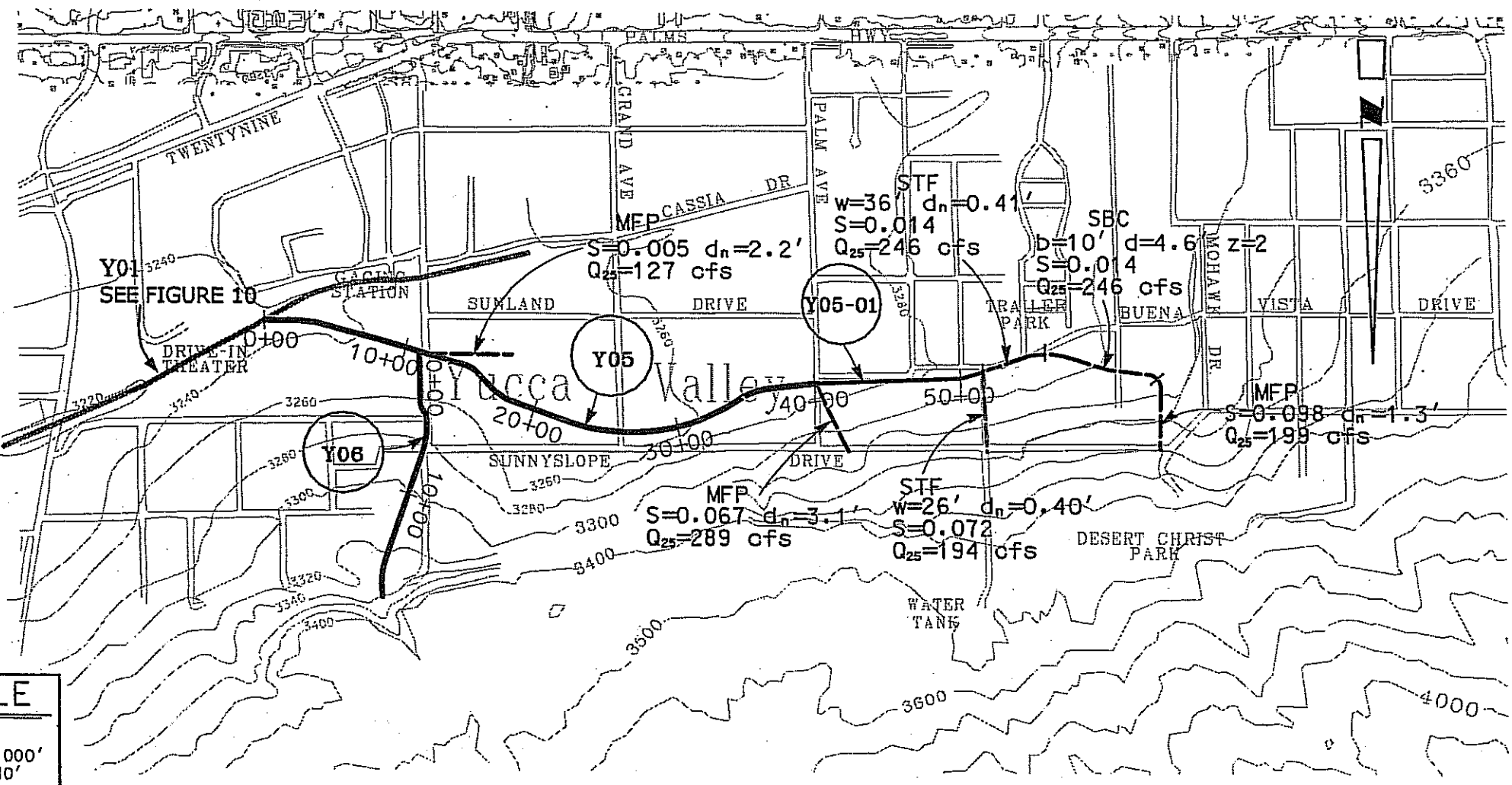
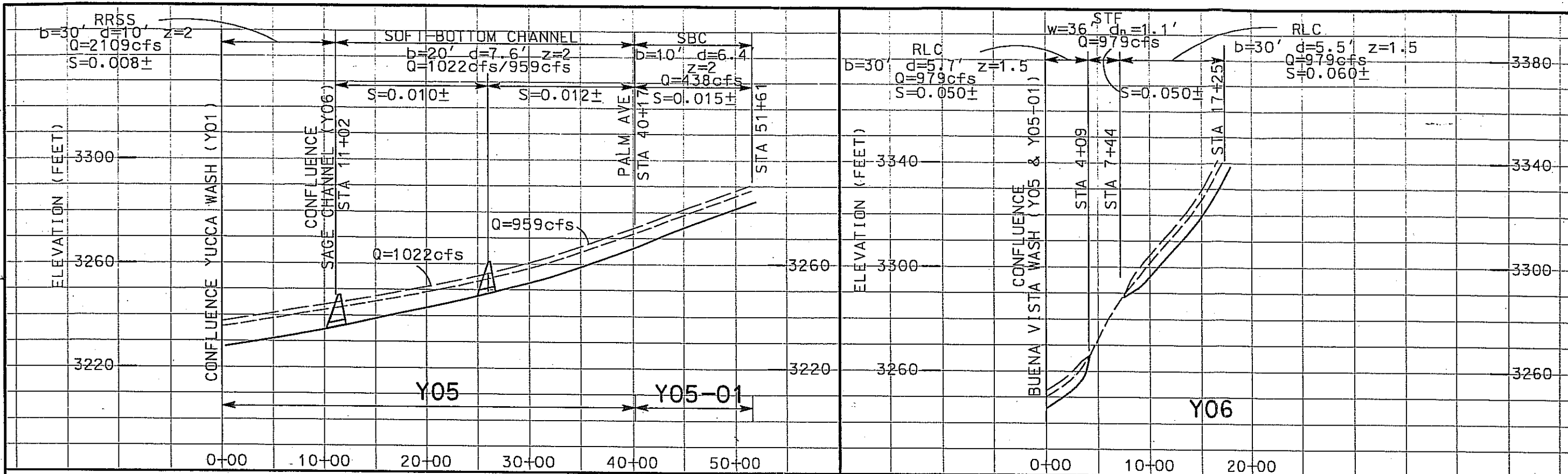
SCALE

H: 1"=1000'
V: 1"=40'

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE
ACOMA CHANNEL (Y10 & Y10-01)
DEER TRAIL CHANNEL
(Y11 & Y11-01)
STA. 26+16 TO STA. 70+25
STA. 15+65 TO STA. 81+37

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3151 Arroyo Avenue, Suite D-1, Costa Mesa, California 92626

DATE
SEPT 1998
FIGURE
18



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RRSS ROCK-RETTED SIDE SLOPES

SCALE

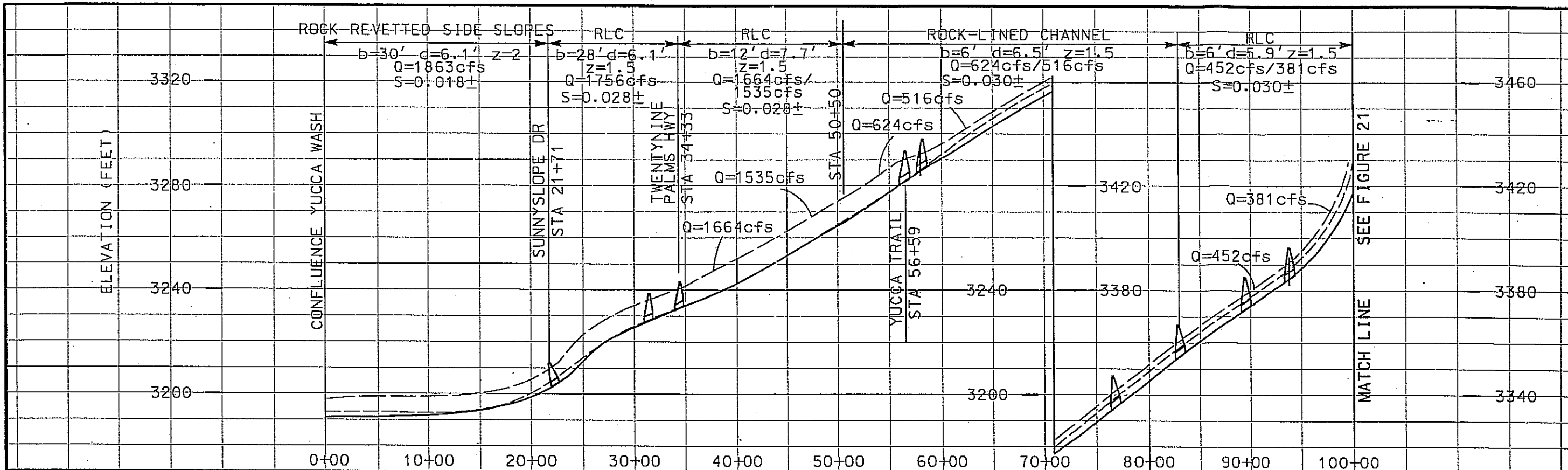
H: 1"=1000'
V: 1"=40'

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE
**BUENA VISTA WASH
(Y05 & Y05-01)
SAGE CHANNEL (Y06)**
STA. 0+00 TO STA. 51+61
STA. 0+00 TO STA. 17+25

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JOHN M. TETTERER & ASSOCIATES, LTD.
ENGINEERING MANAGEMENT PLANNING
3151 Arroyo Avenue, Suite Q-1 Costa Mesa, California 92626

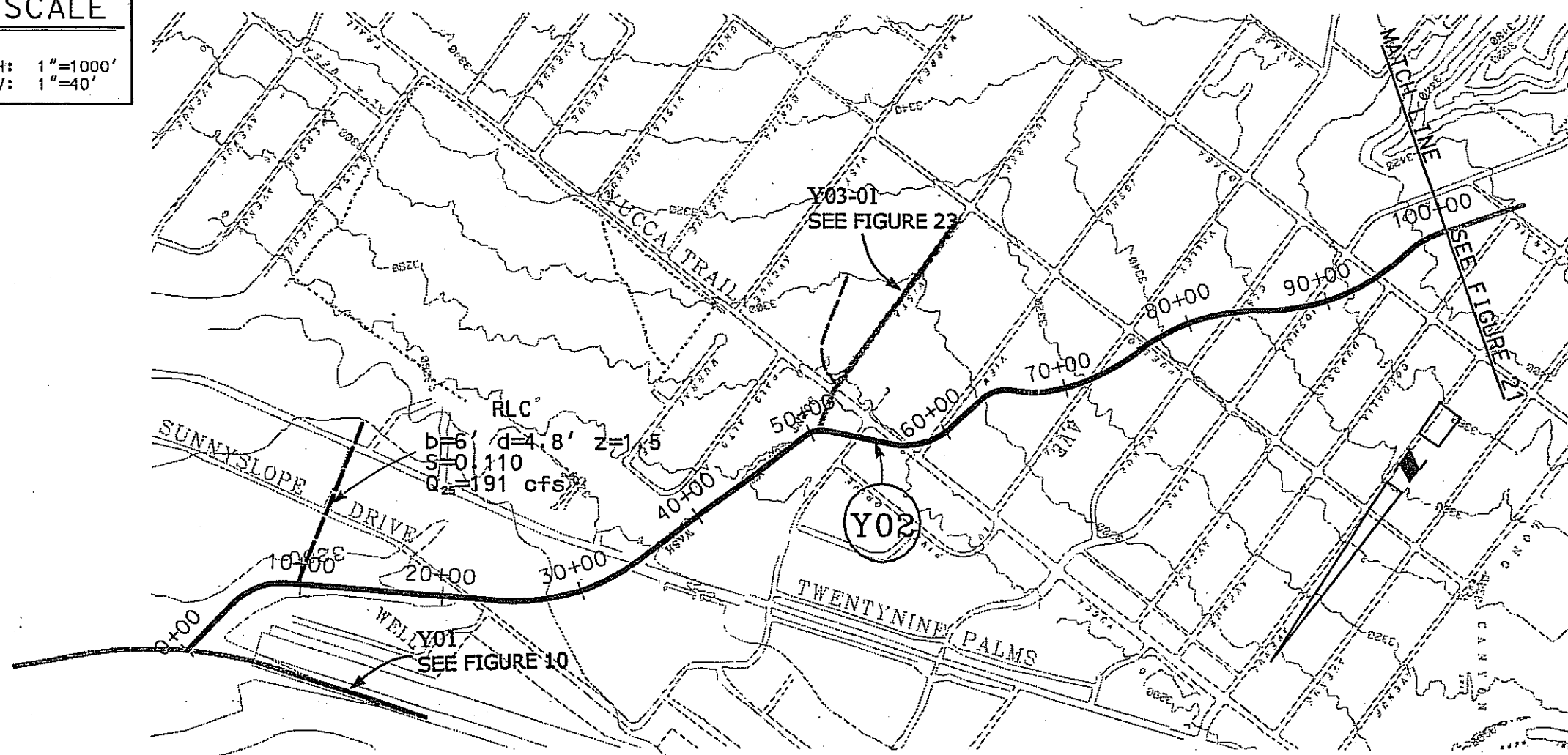
DATE
SEPT 1998

FIGURE
19



SCALE

H: 1"=1000'
V: 1"=40'



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ STABILIZER STRUCTURE
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- RCP REINFORCED CONCRETE PIPE
- RRSS ROCK-RETTED SIDE SLOPES

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE

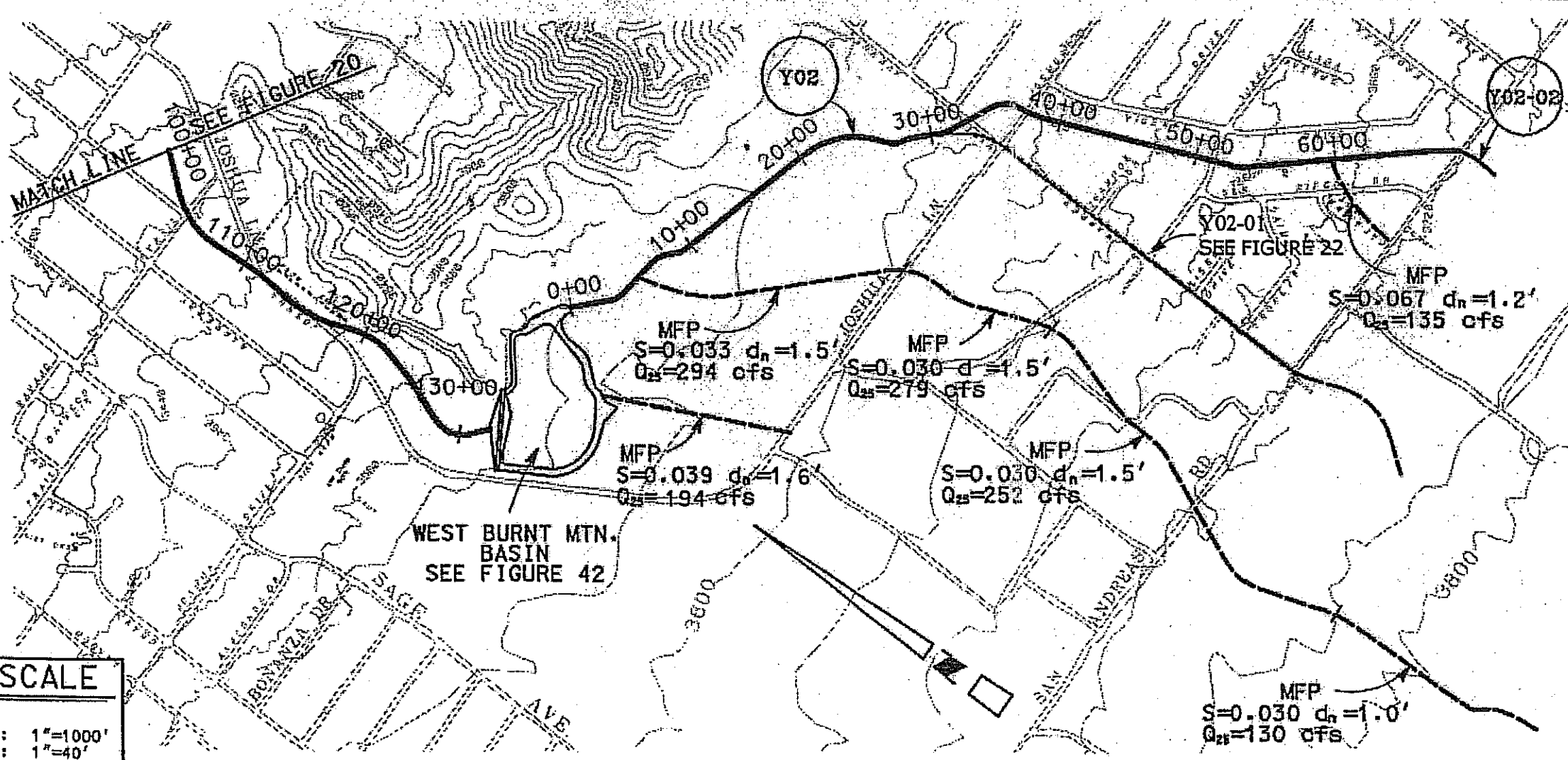
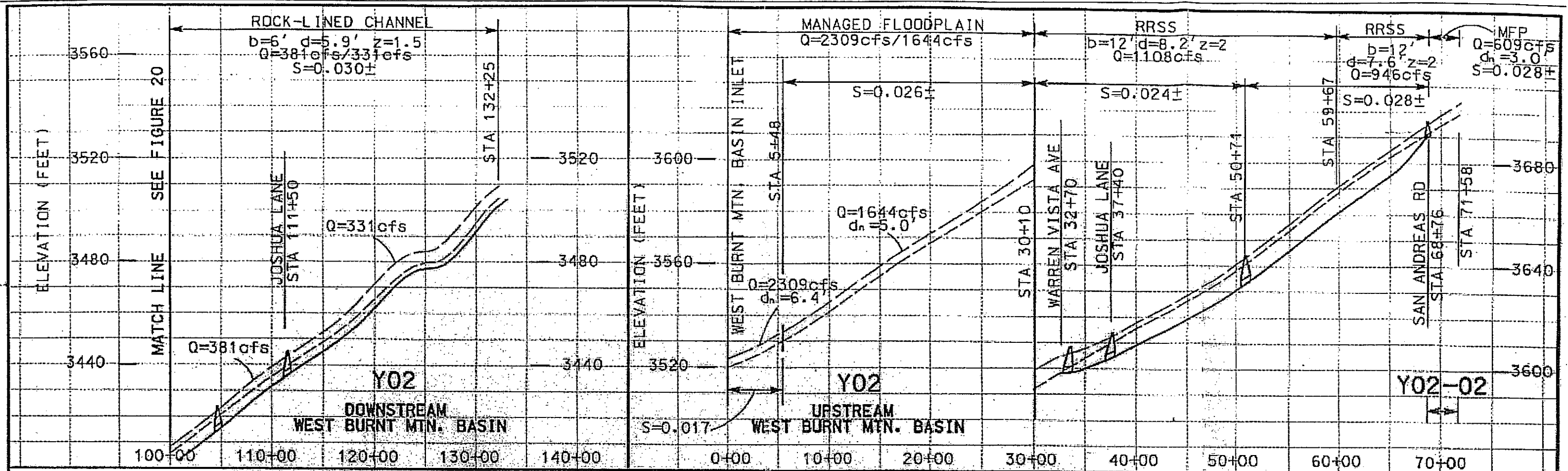
**WEST BURNT MTN. WASH
(Y02)**

STA. 0+00 TO STA. 100+00

John M. Tetterer
JOHN M. TETTERER & ASSOCIATES, LTD.
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DATE
SEPT 1998

FIGURE
20



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ STABILIZER STRUCTURE
- ▲ CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RRSS ROCK-RETTED SIDE SLOPES

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE

**WEST BURNT MTN. WASH
 (Y02 & Y02-02)**

STA. 100+00 TO STA. 132+25
 STA. 0+00 TO STA. 71+58

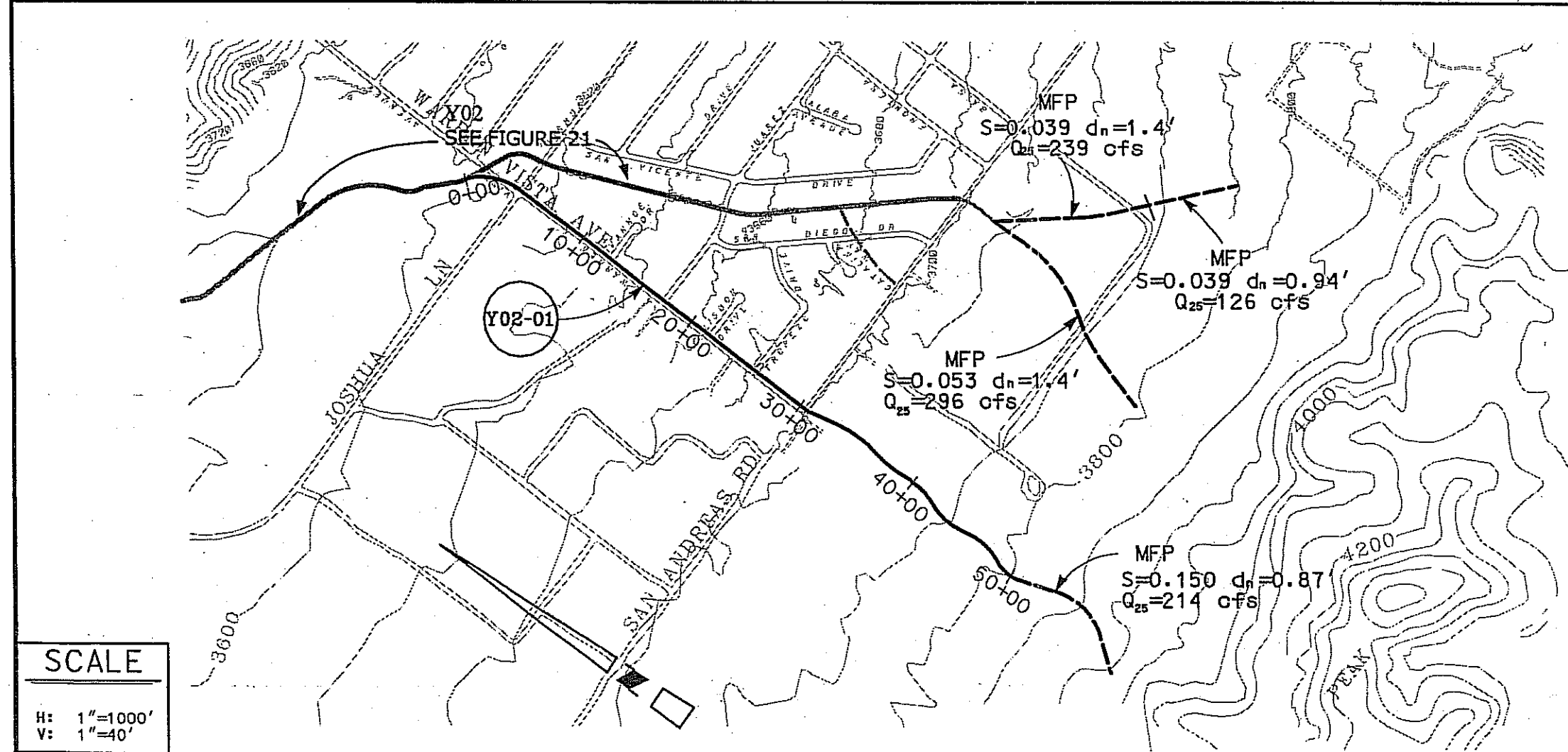
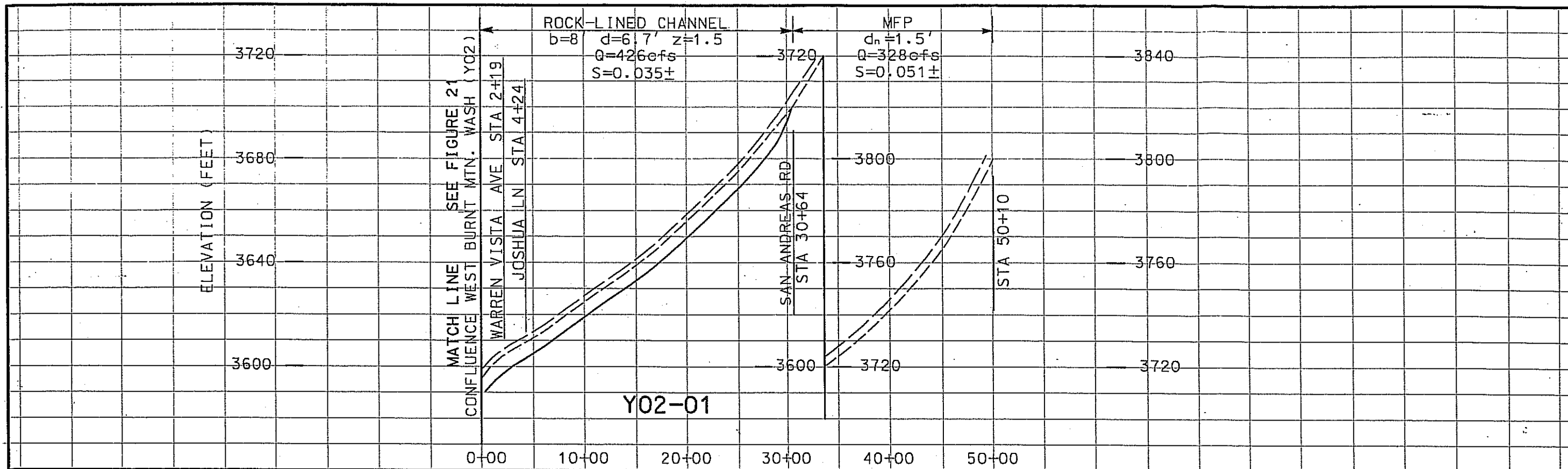
John P. Tetterer & Associates, Ltd.
 ENGINEERING MANAGEMENT PLANNING
 328 Arroyo Avenue, Suite D-1, Costa Mesa, California 92626

DATE
 SEPT 1998

FIGURE
 21

SCALE

H: 1"=1000'
 V: 1"=40'



- LEGEND**
- TOP OF BANK
 - - - NATURAL GROUND
 - PROPOSED INVERT
 - ▲ BOTTOM CONTROL
 - ▲ CULVERT
 - Y01 FACILITY NUMBER
 - REGIONAL FACILITY
 - SECONDARY FACILITY
 - LOCAL FACILITY
 - SBC SOFT-BOTTOM CHANNEL
 - RLC ROCK-LINED CHANNEL
 - CLC CONCRETE-LINED CHANNEL
 - STF STREET FLOW
 - MFP MANAGED FLOODPLAIN
 - RRSS ROCK-RETTED SIDE SLOPES

SCALE

H: 1"=1000'

V: 1"=40'

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT

YUCCA VALLEY MASTER PLAN OF DRAINAGE

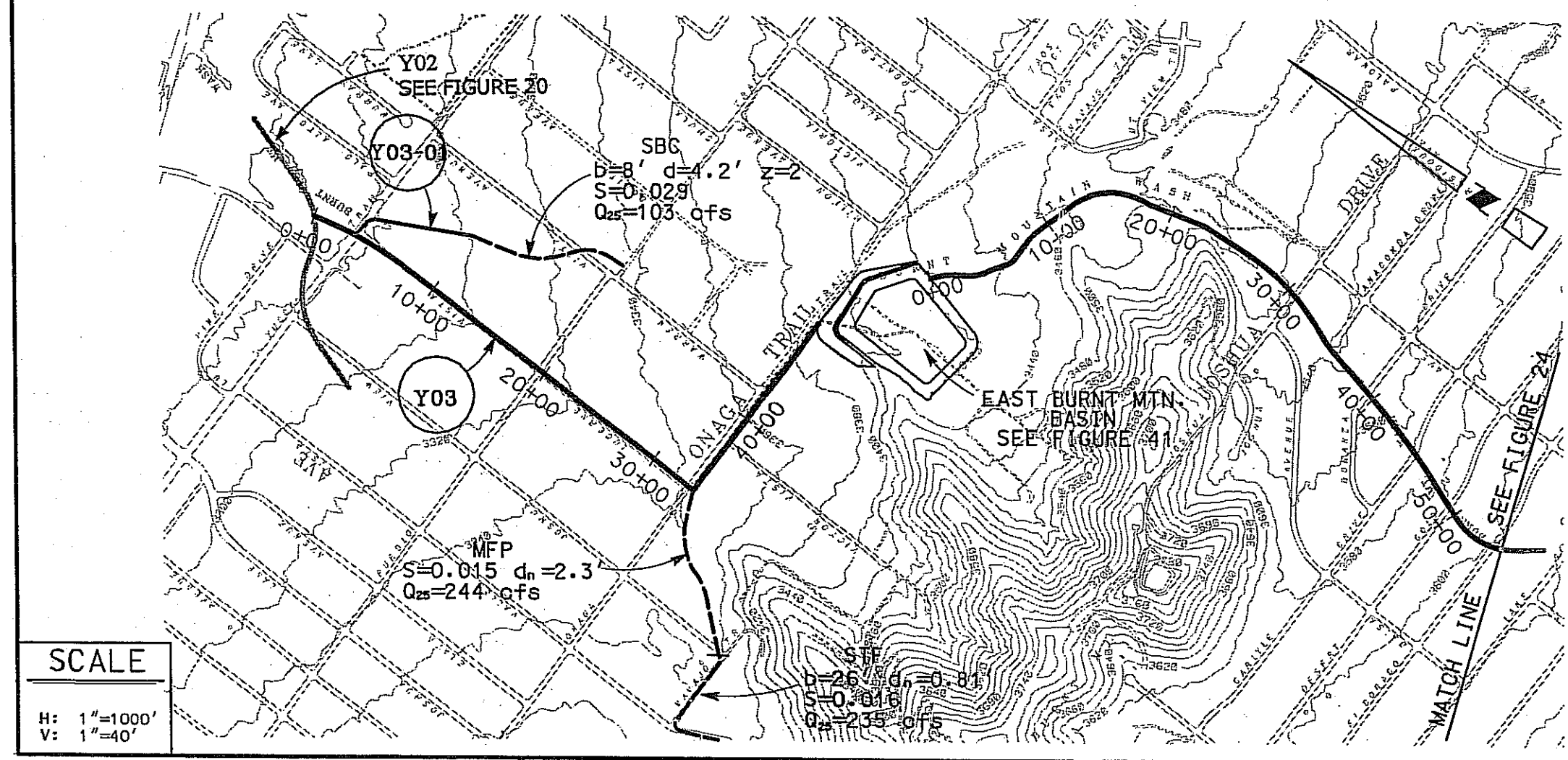
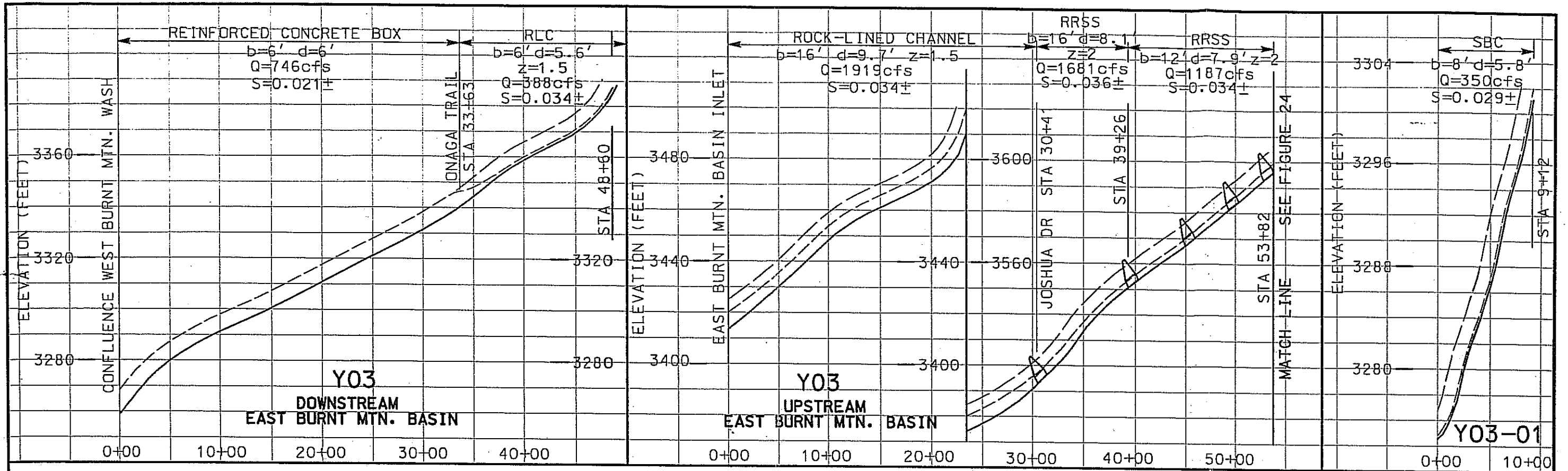
**WARREN VISTA DRAIN
 (Y02-01)**

STA. 0+00 TO STA. 50+10

DATE
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FIGURE
 22

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LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ STABILIZER STRUCTURE
- ⊙ CULVERT
- Y01 FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- RCB REINFORCED CONCRETE BOX
- MFP MANAGED FLOODPLAIN
- RRSS ROCK-RETTED SIDE SLOPES

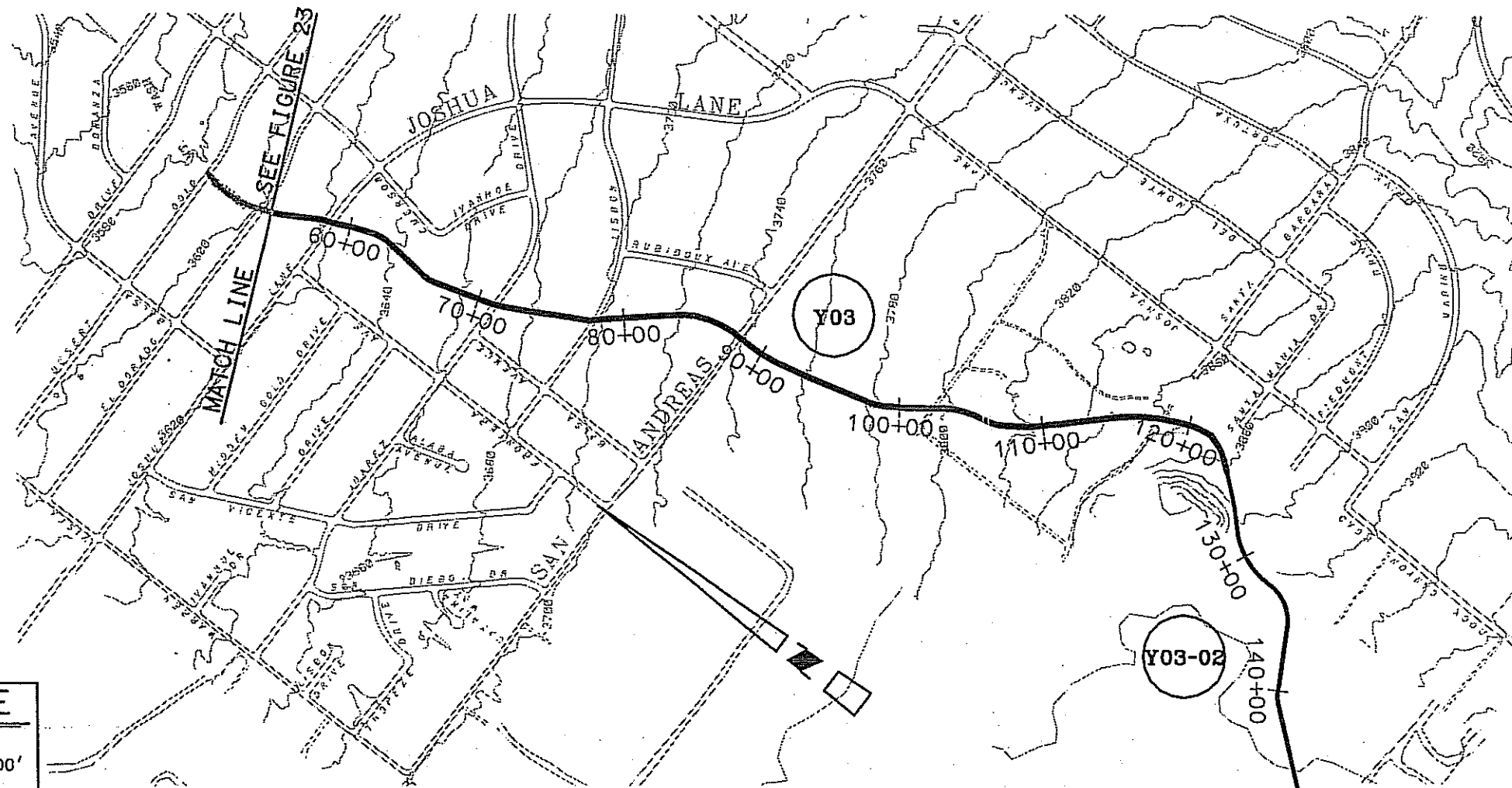
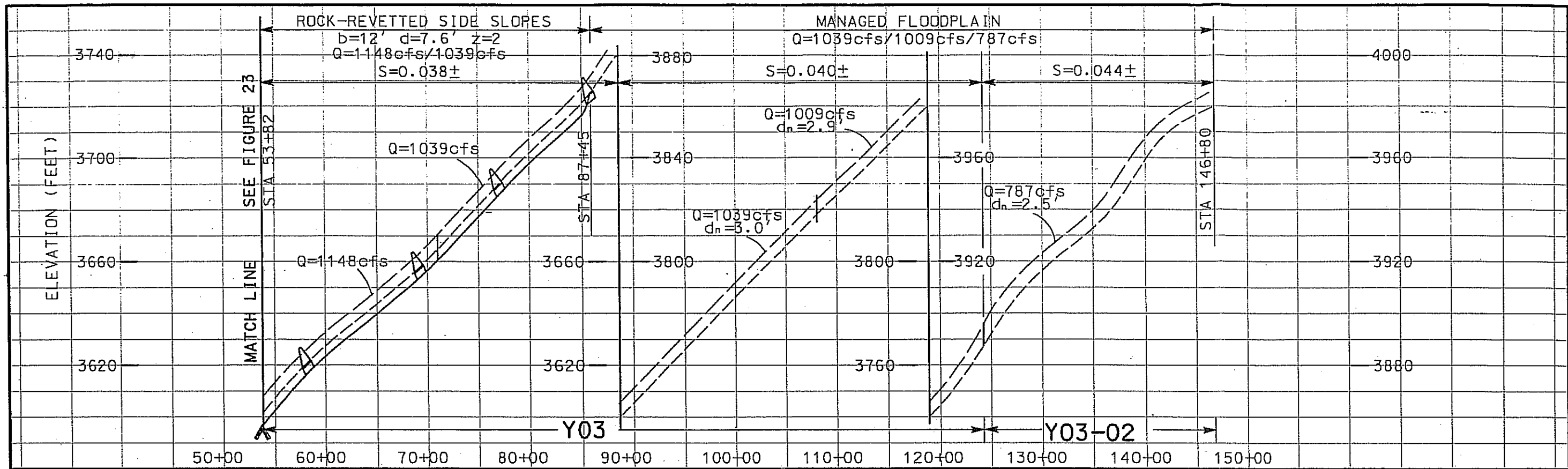
SCALE
 H: 1"=1000'
 V: 1"=40'

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE
EAST BURNT MTN. WASH (Y03)
EAST BURNT MTN. WASH TRIBUTARY (Y03-01)
 STA. 0+00 TO STA. 48+60
 STA. 0+00 TO STA. 53+82

DATE
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FIGURE
 23

John M. Tettemer
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 3151 Airway Avenue, Suite Q-1, Costa Mesa, California 92626



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- - - PROPOSED INVERT
- ▲ STABILIZER STRUCTURE
- ▲ CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RRSS ROCK-RETTED SIDE SLOPES

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE

**EAST BURNT MTN. WASH
 (Y03 & Y03-02)**

STA. 53+82 TO STA. 146+80

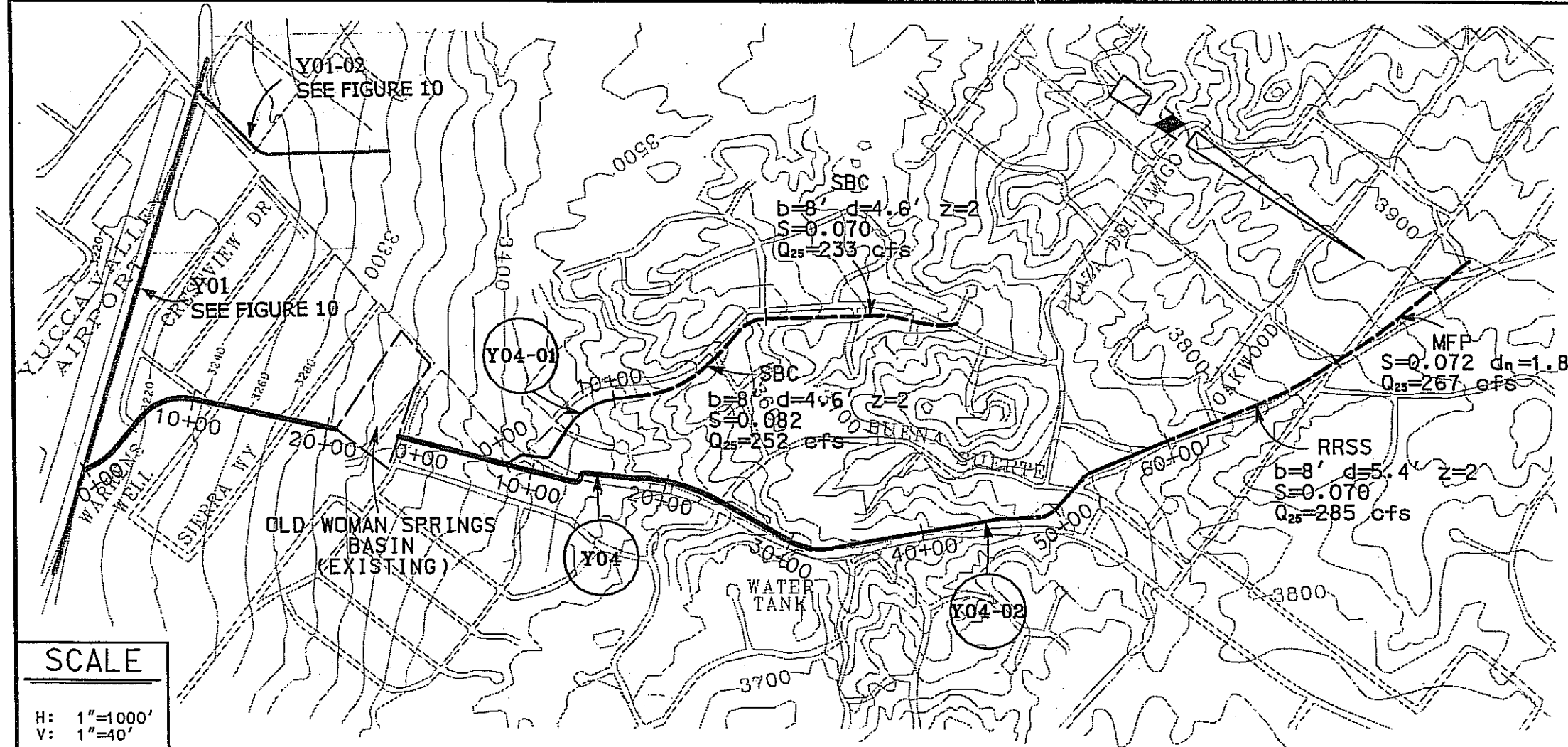
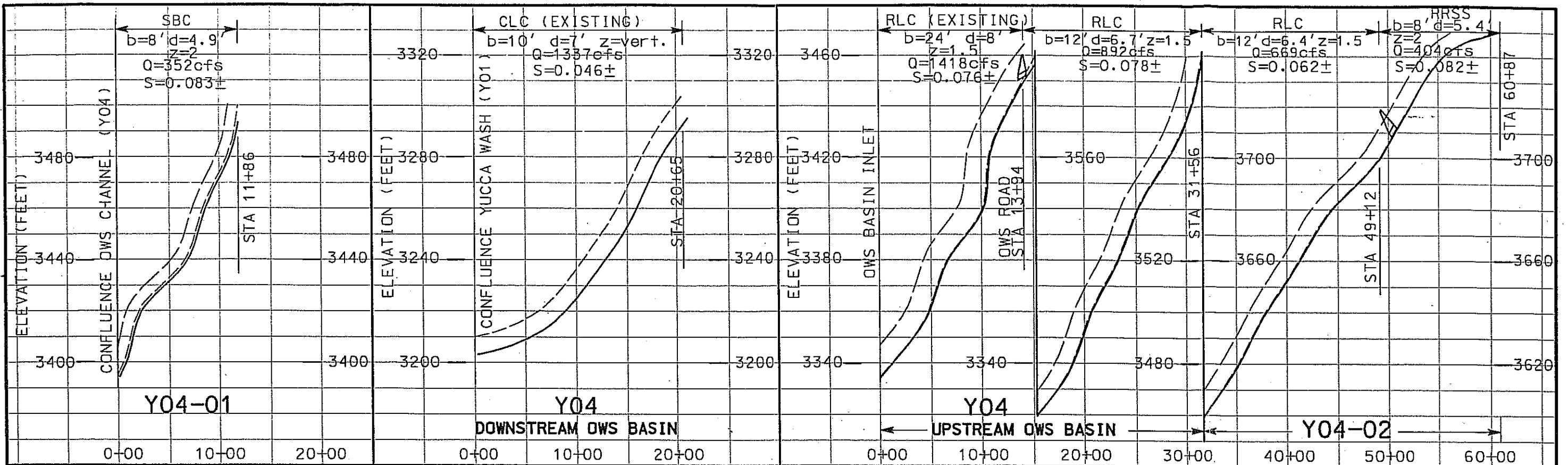
SCALE

H: 1"=1000'
 V: 1"=40'

John M. Tettemer
 JOHN M. TETTEMER & ASSOCIATES, LTD.
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 3151 Airway Avenue, Suite G-1 Costa Mesa, California 92625

DATE
 SEPT 1998

FIGURE
 24



LEGEND

- TOP OF BANK
- NATURAL GROUND
- PROPOSED INVERT
- BOTTOM CONTROL
- CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC** SOFT-BOTTOM CHANNEL
- RLC** ROCK-LINED CHANNEL
- CLC** CONCRETE-LINED CHANNEL
- STF** STREET FLOW
- MFP** MANAGED FLOODPLAIN
- RRSS** ROCK-RETTED SIDE SLOPES

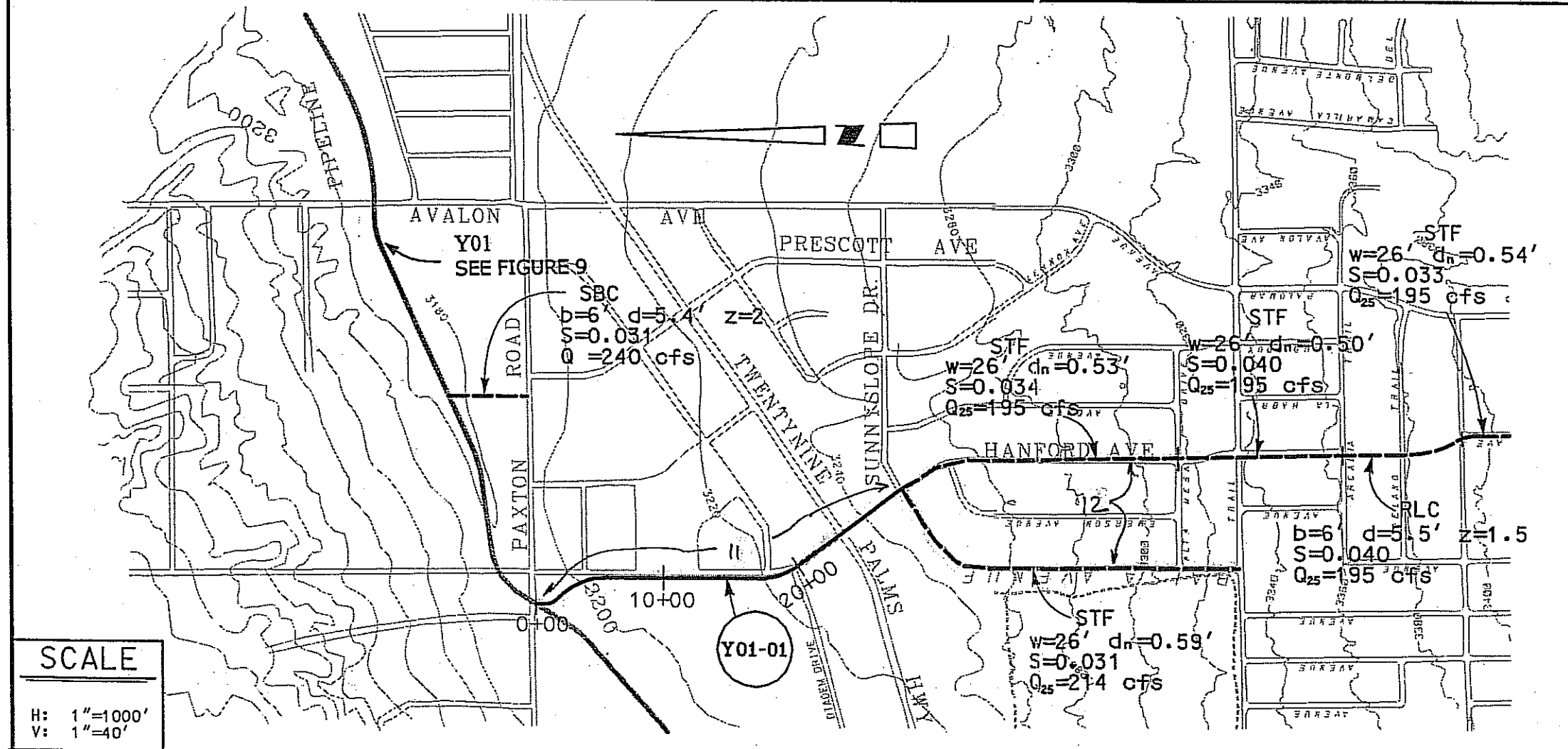
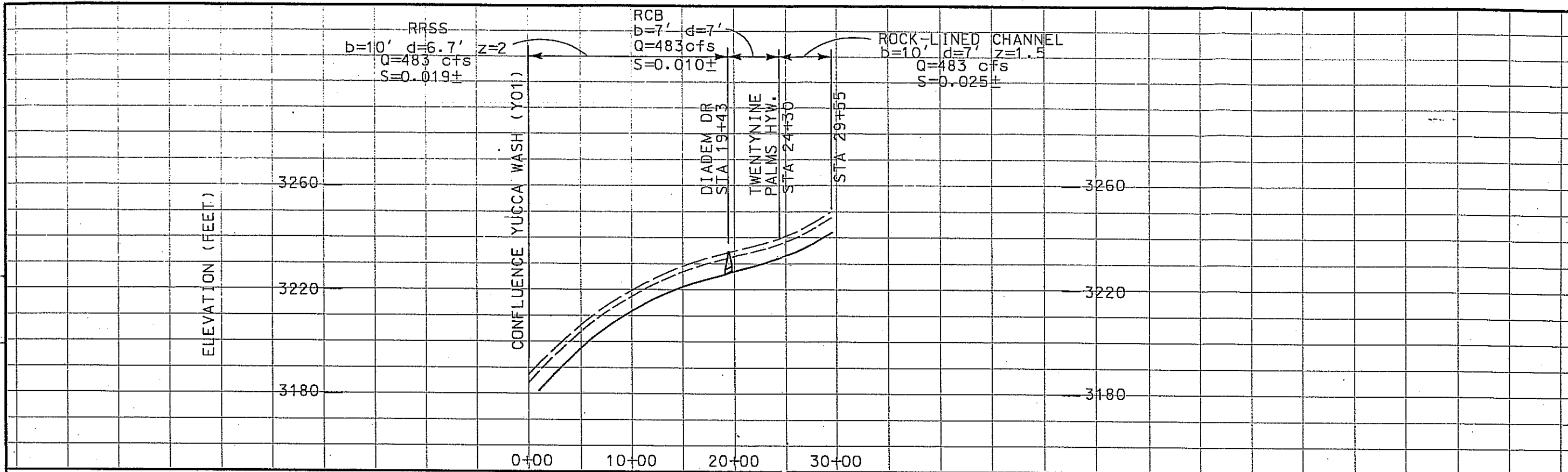
SCALE

H: 1"=1000'
V: 1"=40'

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE
FARELLO WASH (Y04-01)
OWS CHANNEL (Y04)
OWS ROAD WASH (Y04-02)
STA. 0+00 TO STA. 11+86
STA. 0+00 TO STA. 31+56
STA. 31+56 TO STA. 60+87

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DATE
SEPT 1998
FIGURE
25



LEGEND

- TOP OF BANK
- NATURAL GROUND
- PROPOSED INVERT
- BOTTOM CONTROL
- CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE
- RRSS ROCK-RETTED SIDE SLOPES

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE

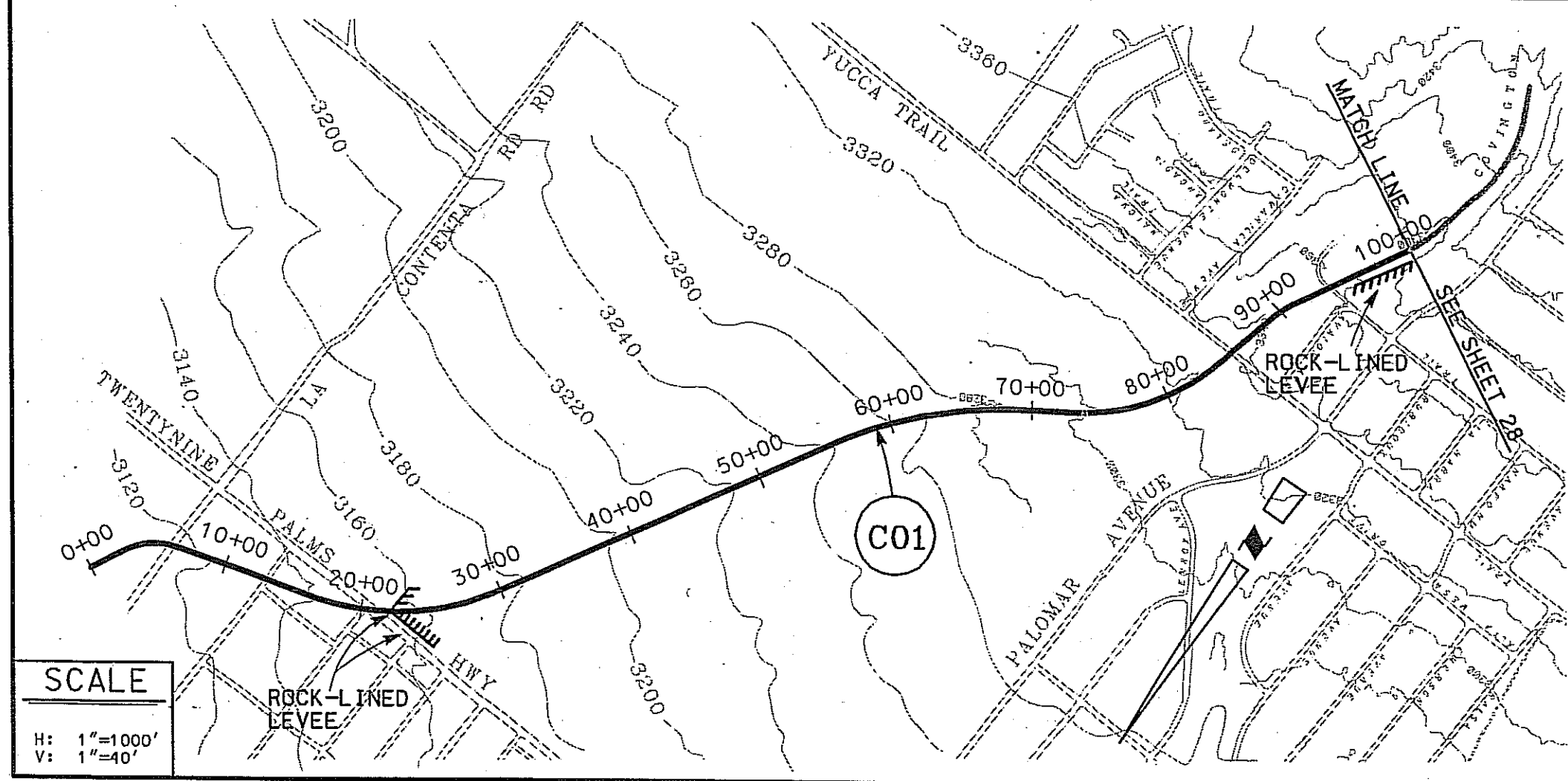
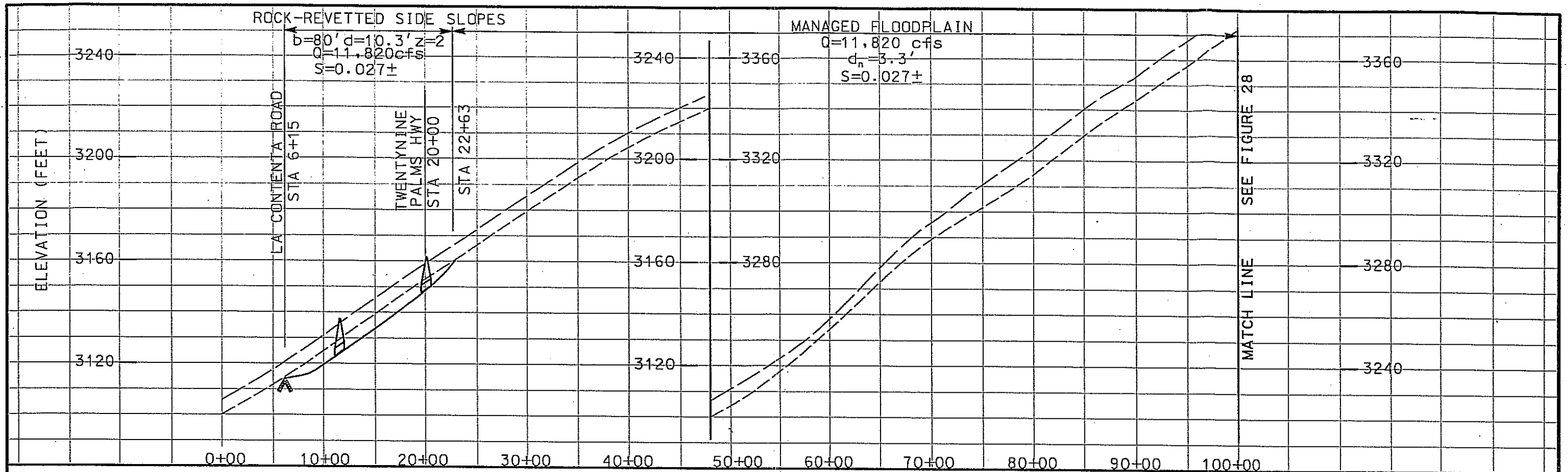
**HANFORD AVENUE DRAIN
(Y01-01)**

STA. 0+00 TO STA. 29+55

SCALE
H: 1"=1000'
V: 1"=40'

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DATE
SEPT 1998
FIGURE
26



- LEGEND**
- TOP OF BANK
 - - - NATURAL GROUND
 - PROPOSED INVERT
 - ▲ BOTTOM CONTROL
 - ▲ CULVERT
 - FACILITY NUMBER
 - REGIONAL FACILITY
 - SECONDARY FACILITY
 - LOCAL FACILITY
 - SBC SOFT-BOTTOM CHANNEL
 - RLC ROCK-LINED CHANNEL
 - CLC CONCRETE-LINED CHANNEL
 - STF STREET FLOW
 - MFP MANAGED FLOODPLAIN
 - RRSS ROCK-RETTED SIDE SLOPES

SCALE
 H: 1"=1000'
 V: 1"=40'

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE

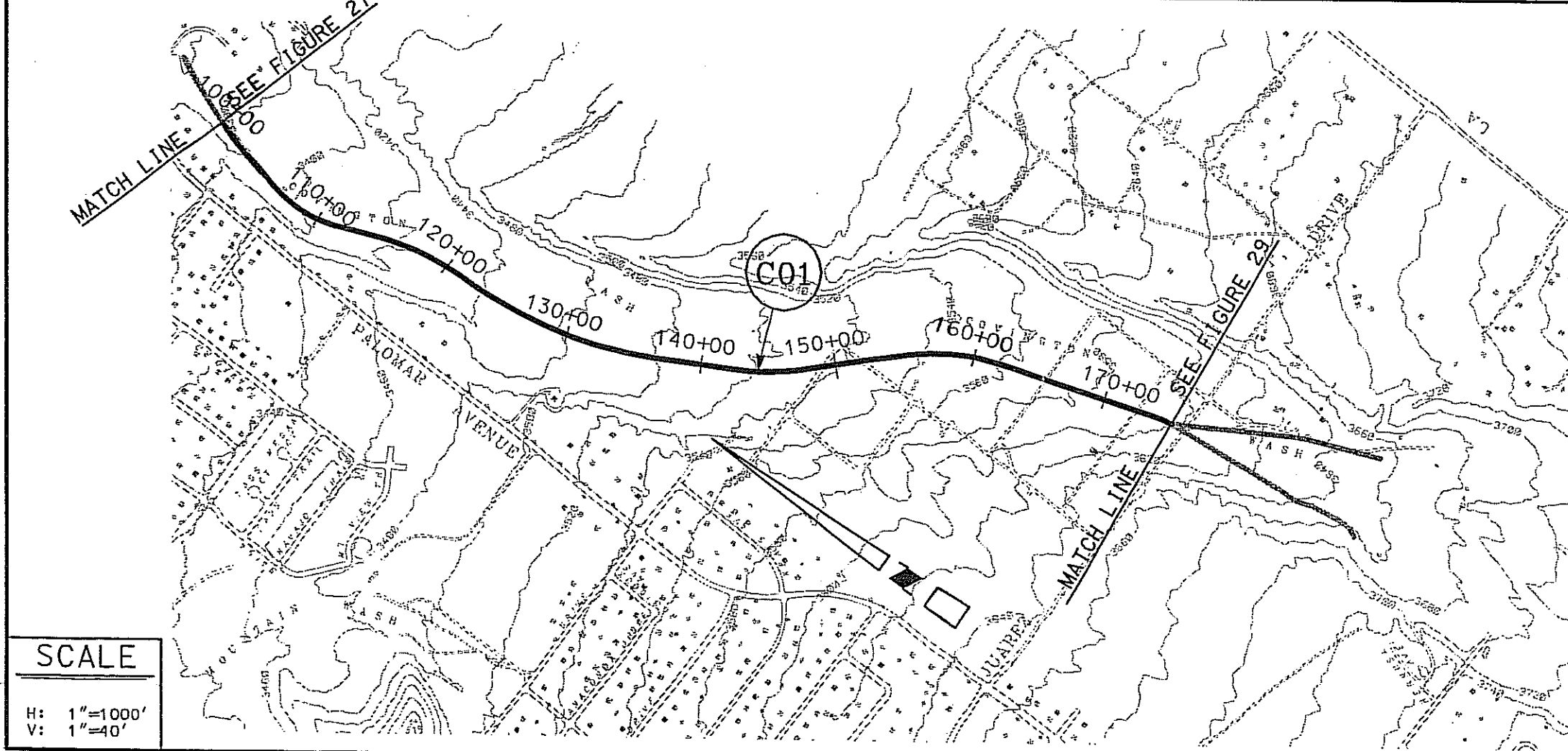
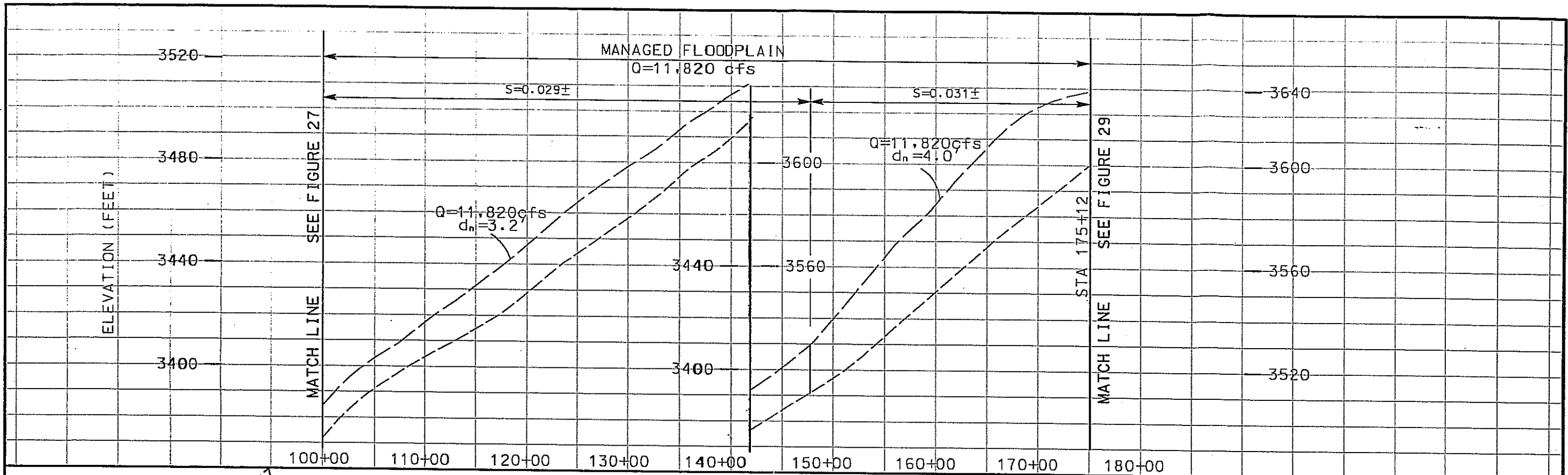
COVINGTON WASH (C01)

STA. 0+00 TO STA. 100+00

DATE
 SEPT 1998

FIGURE
 27

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LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE

COVINGTON WASH (C01)

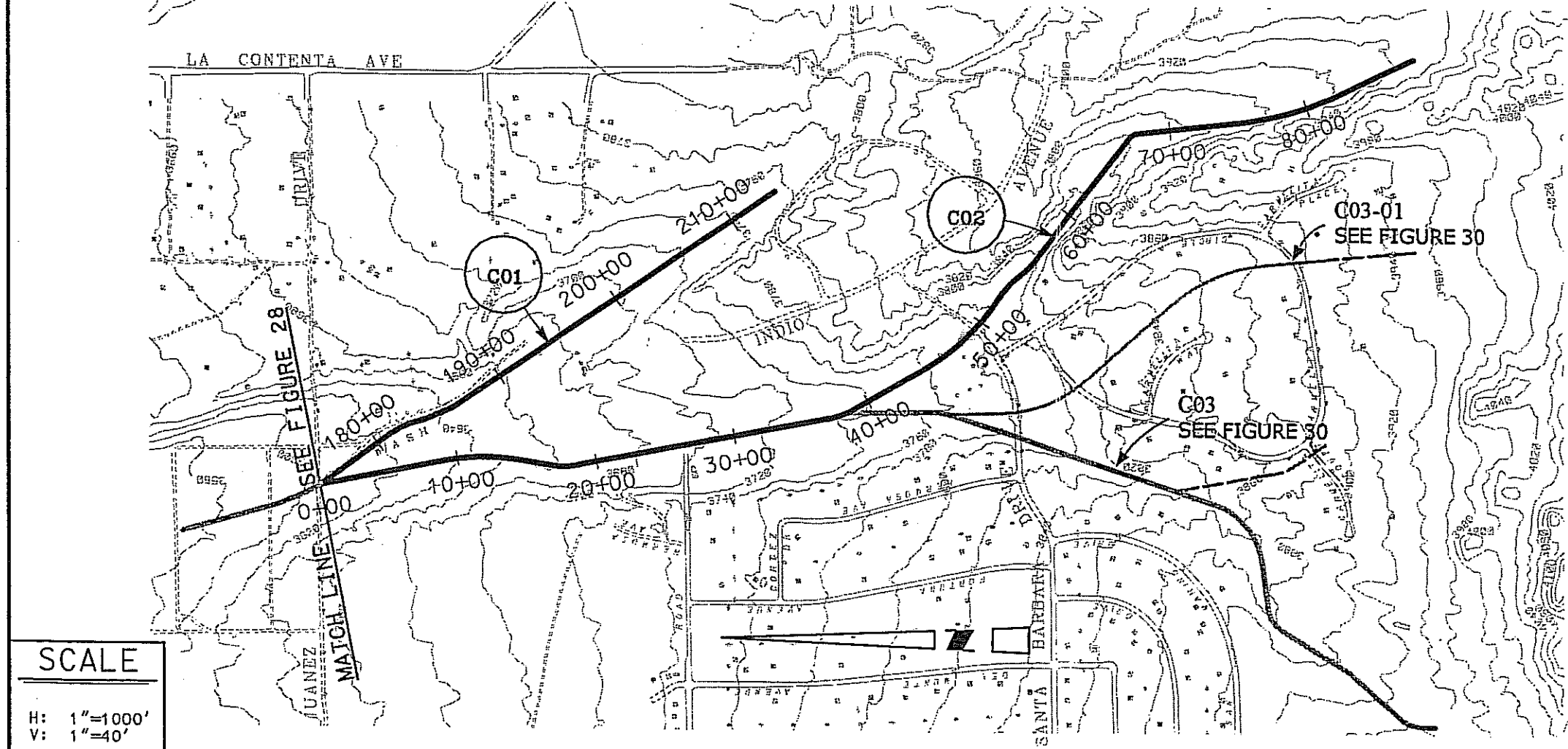
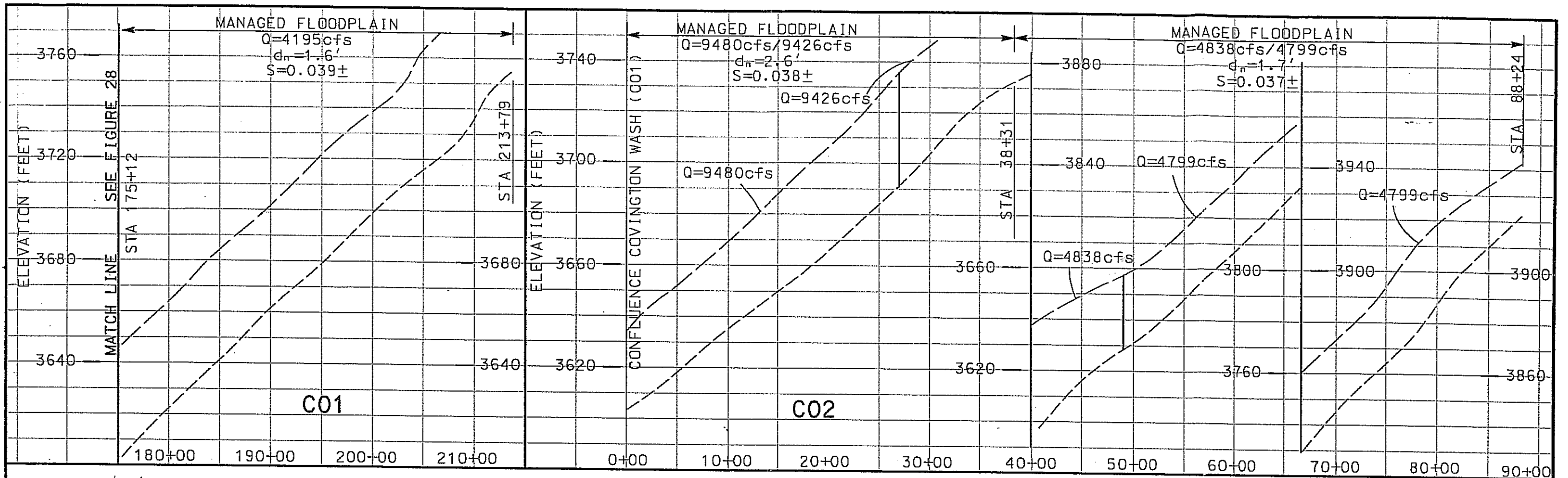
STA. 100+00 TO STA. 175+12

SCALE

H: 1"=1000'
V: 1"=40'

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DATE
SEPT 1998
FIGURE
28



LEGEND

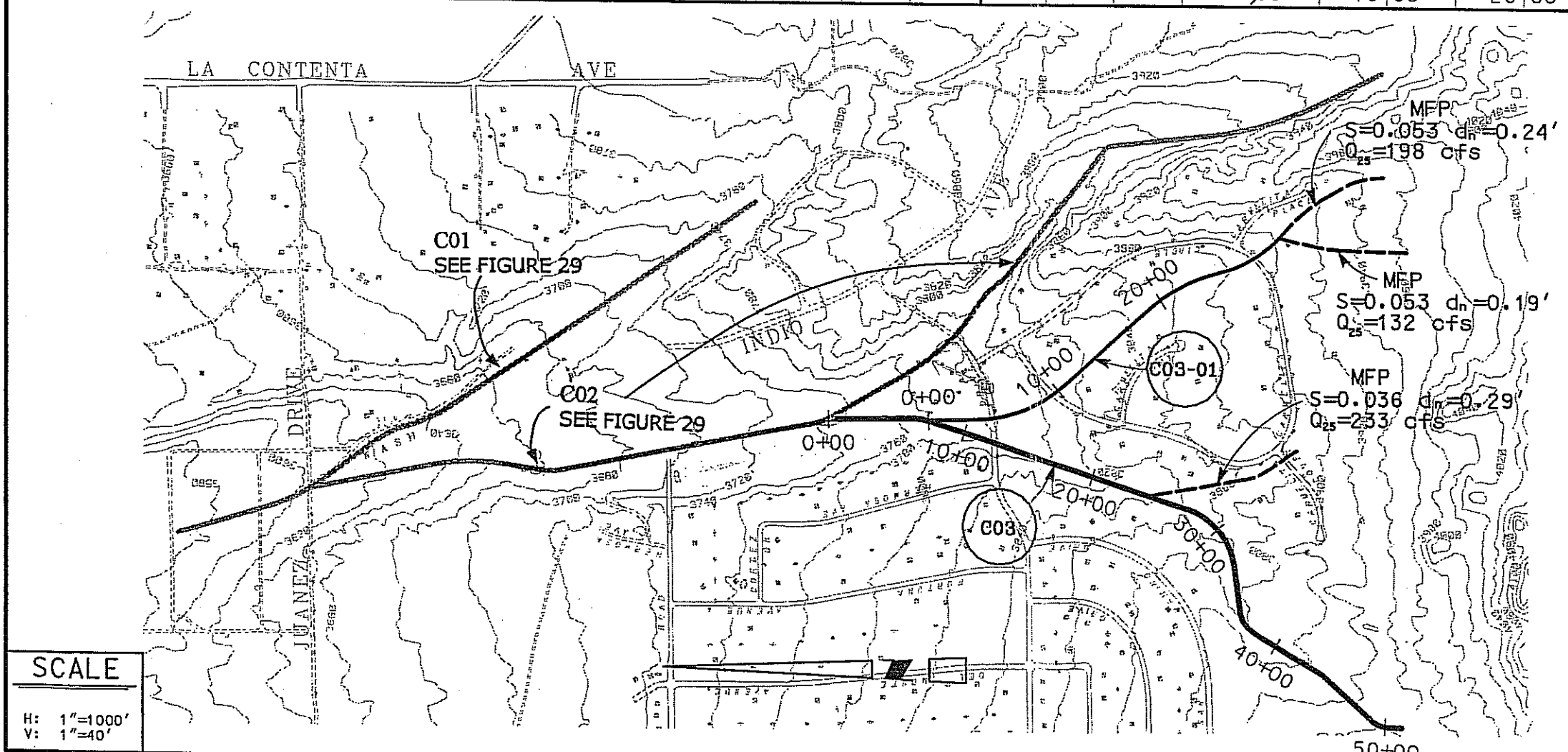
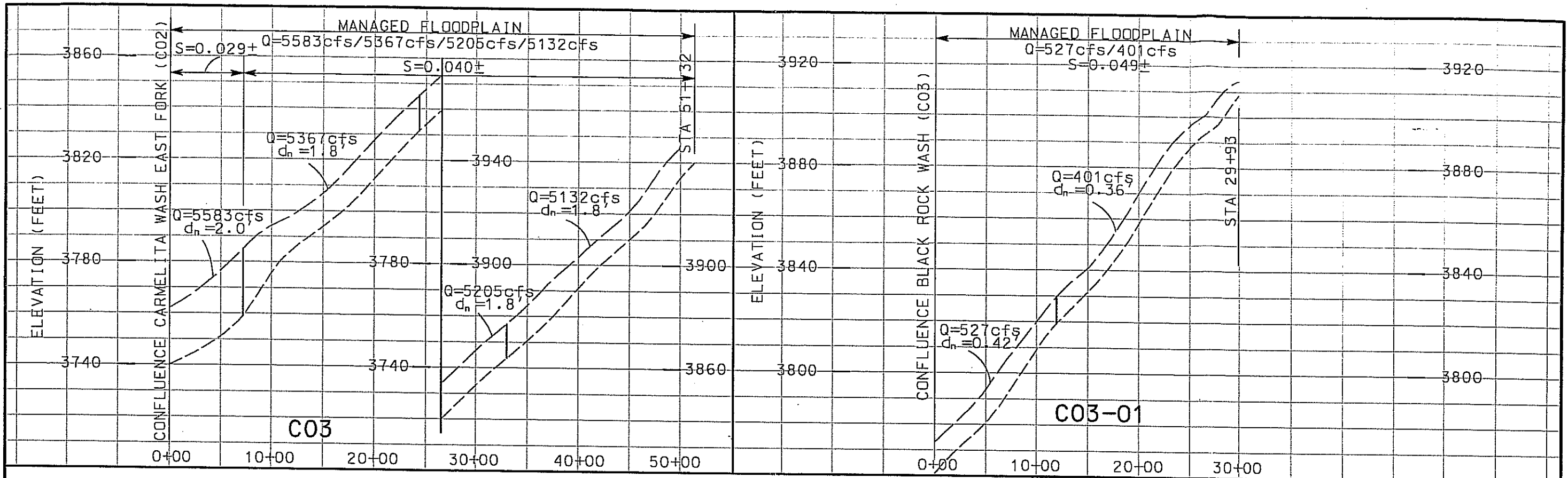
- TOP OF BANK
- NATURAL GROUND
- PROPOSED INVERT
- BOTTOM CONTROL
- CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE

SCALE
 H: 1"=1000'
 V: 1"=40'

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE
COVINGTON WASH (C01)
CARMELITA WASH
EAST FORK (C02)
 STA. 173+12 TO STA. 213+79
 STA. 0+00 TO STA. 88+24

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DATE
 SEPT 1998
 FIGURE
 29



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- FACILITY NUMBER
- ▬ REGIONAL FACILITY
- ▬ SECONDARY FACILITY
- ▬ LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RRSS ROCK-RETTED SIDE SLOPES

SCALE

H: 1"=1000'

V: 1"=40'

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT

YUCCA VALLEY MASTER PLAN OF DRAINAGE

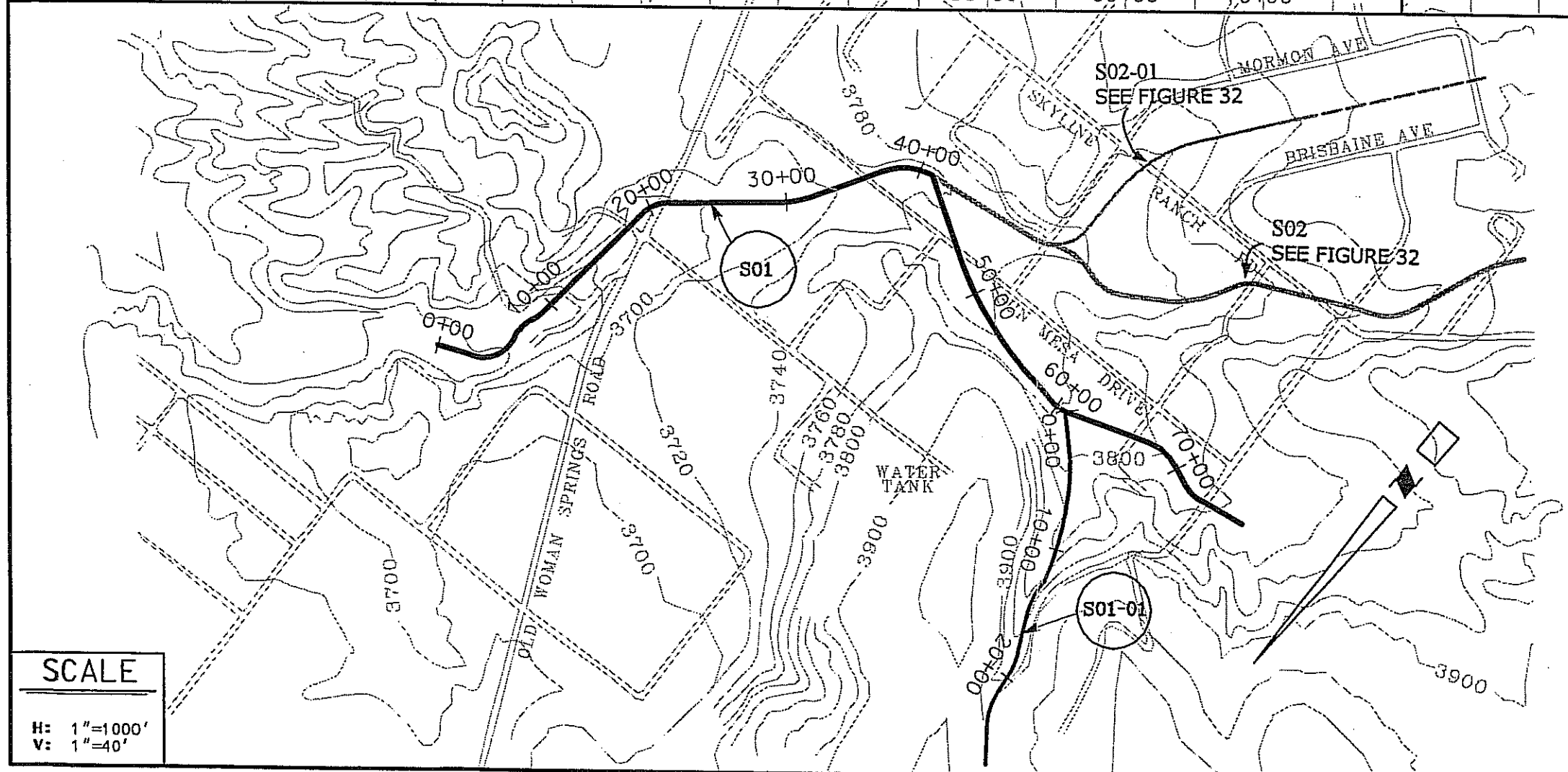
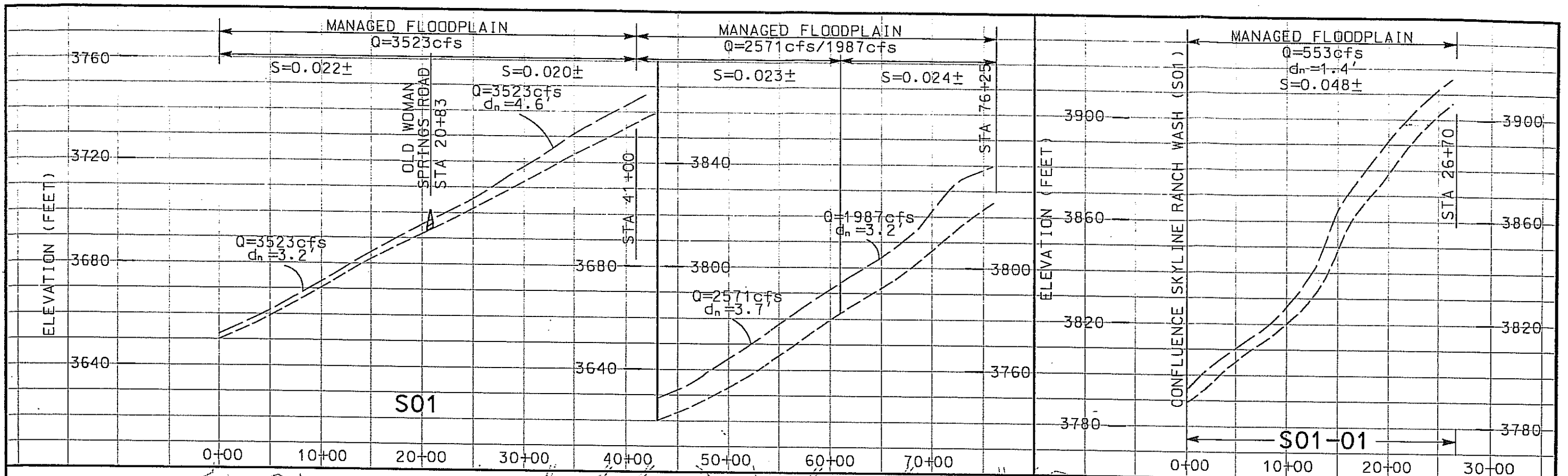
BLACK ROCK WASH (C03)
CARMELITA WASH
WEST FORK (C03-01)

STA. 0+00 TO STA. 51+32
 STA. 0+00 TO STA. 29+93

DATE
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FIGURE
 30

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- LEGEND**
- TOP OF BANK
 - - - NATURAL GROUND
 - PROPOSED INVERT
 - ▲ BOTTOM CONTROL
 - ▲ CULVERT
 - FACILITY NUMBER
 - REGIONAL FACILITY
 - SECONDARY FACILITY
 - LOCAL FACILITY
 - SBC SOFT-BOTTOM CHANNEL
 - RLC ROCK-LINED CHANNEL
 - CLC CONCRETE-LINED CHANNEL
 - STF STREET FLOW
 - MFP MANAGED FLOODPLAIN
 - RCP REINFORCED CONCRETE PIPE

SCALE

H: 1"=1000'
V: 1"=40'

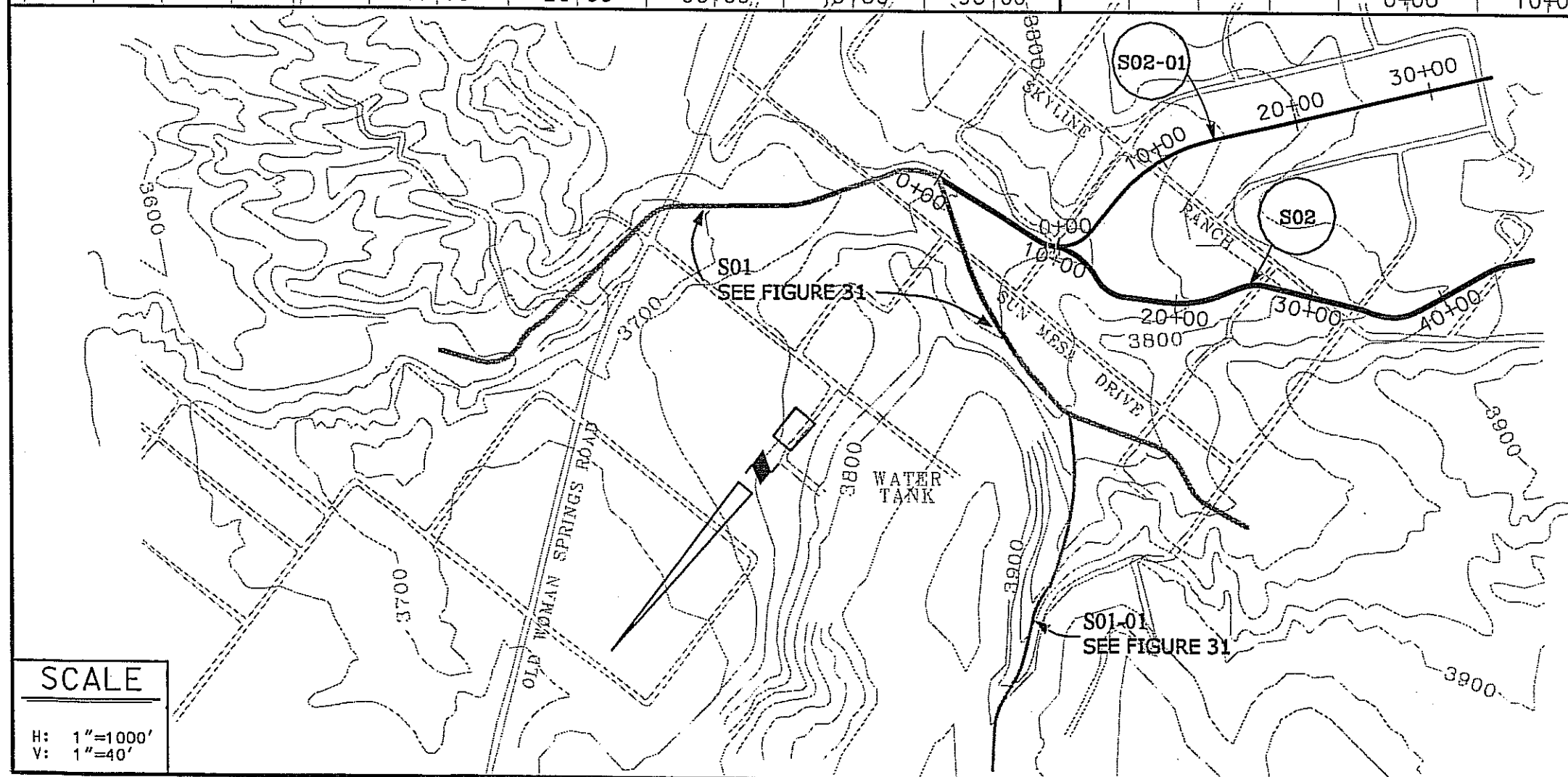
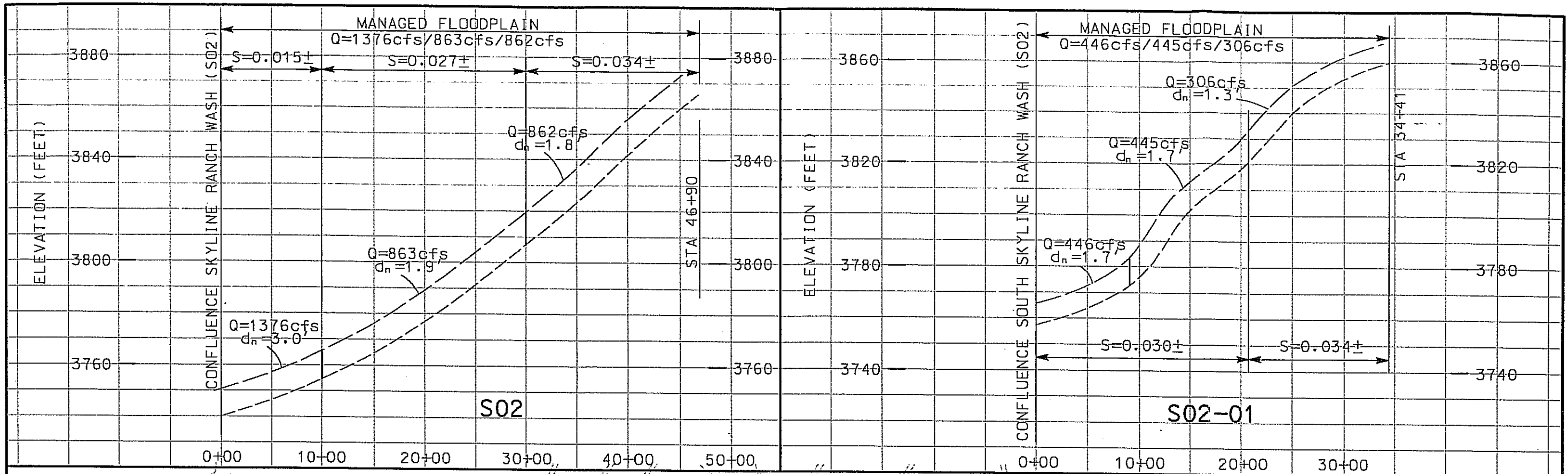
SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT

YUCCA VALLEY MASTER PLAN OF DRAINAGE
SKYLINE RANCH WASH (S01)
NORTH SKYLINE RANCH WASH (S01-01)
STA. 0+00 TO STA. 76+25
STA. 0+00 TO STA. 26+70

DATE
SEPT 1998

FIGURE
31

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LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- (S01) FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- STF STREET FLOW
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE
**SOUTH SKYLINE
 RANCH WASH (S02)
 PUENTE CHANNEL (S02-01)**
 STA. 0+00 TO STA. 46+90
 STA. 0+00 TO STA. 20+57

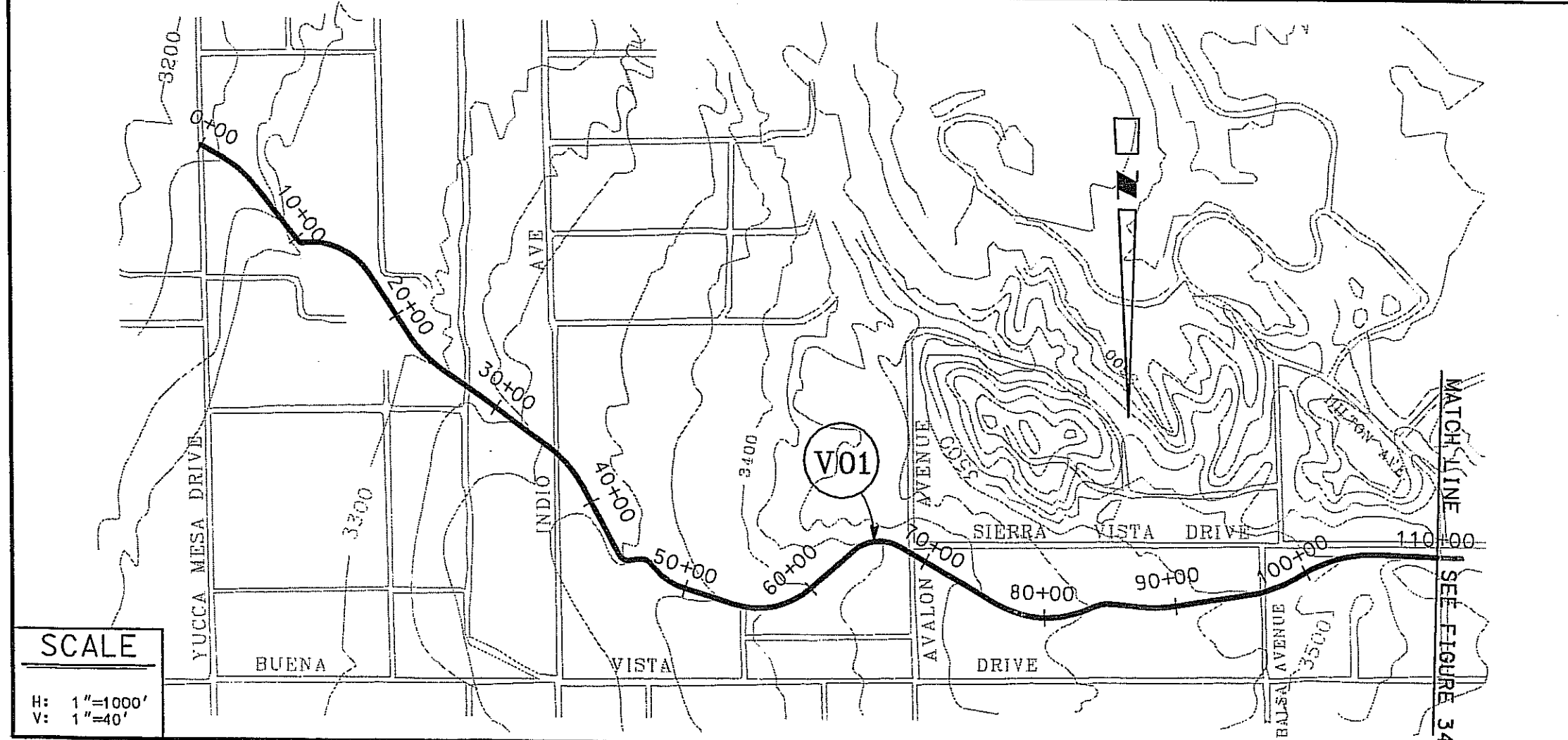
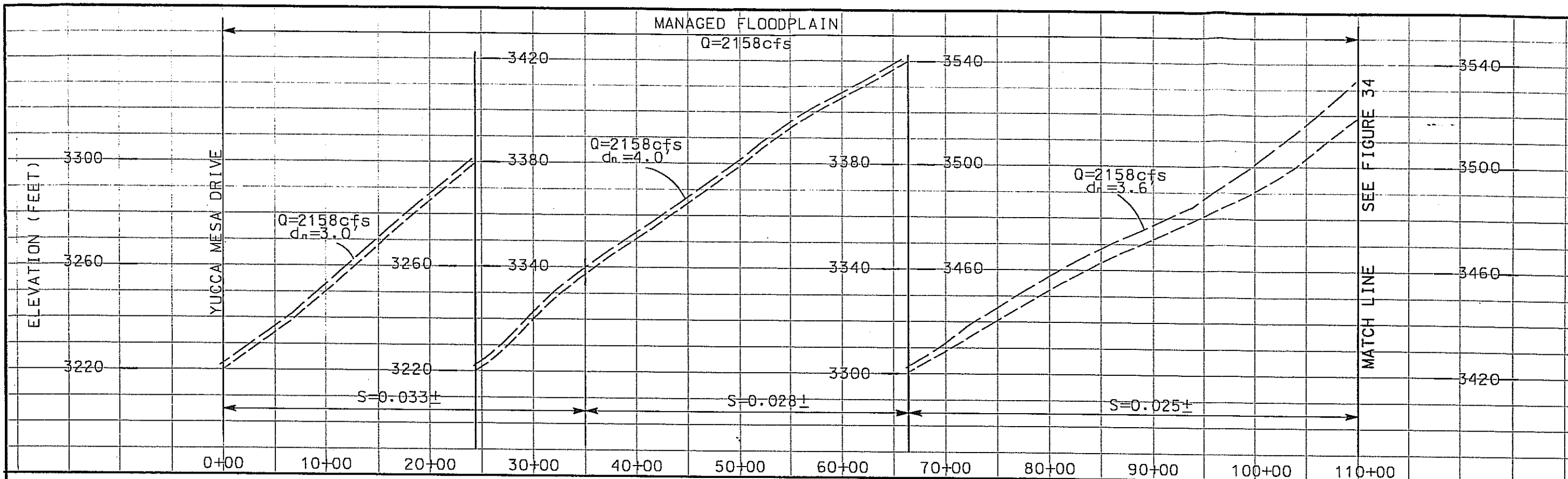
SCALE

H: 1"=1000'
 V: 1"=40'

John H. Tettemer
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DATE
 SEPT 1998

FIGURE
 32



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- ⊙ FACILITY NUMBER
- ▬ REGIONAL FACILITY
- ▬ SECONDARY FACILITY
- ▬ LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE
- RRSS ROCK-RETTED SIDE SLOPES

**SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT**

YUCCA VALLEY MASTER PLAN OF DRAINAGE

SIERRA VISTA WASH (V01)

STA. 0+00 TO STA. 110+00

SCALE

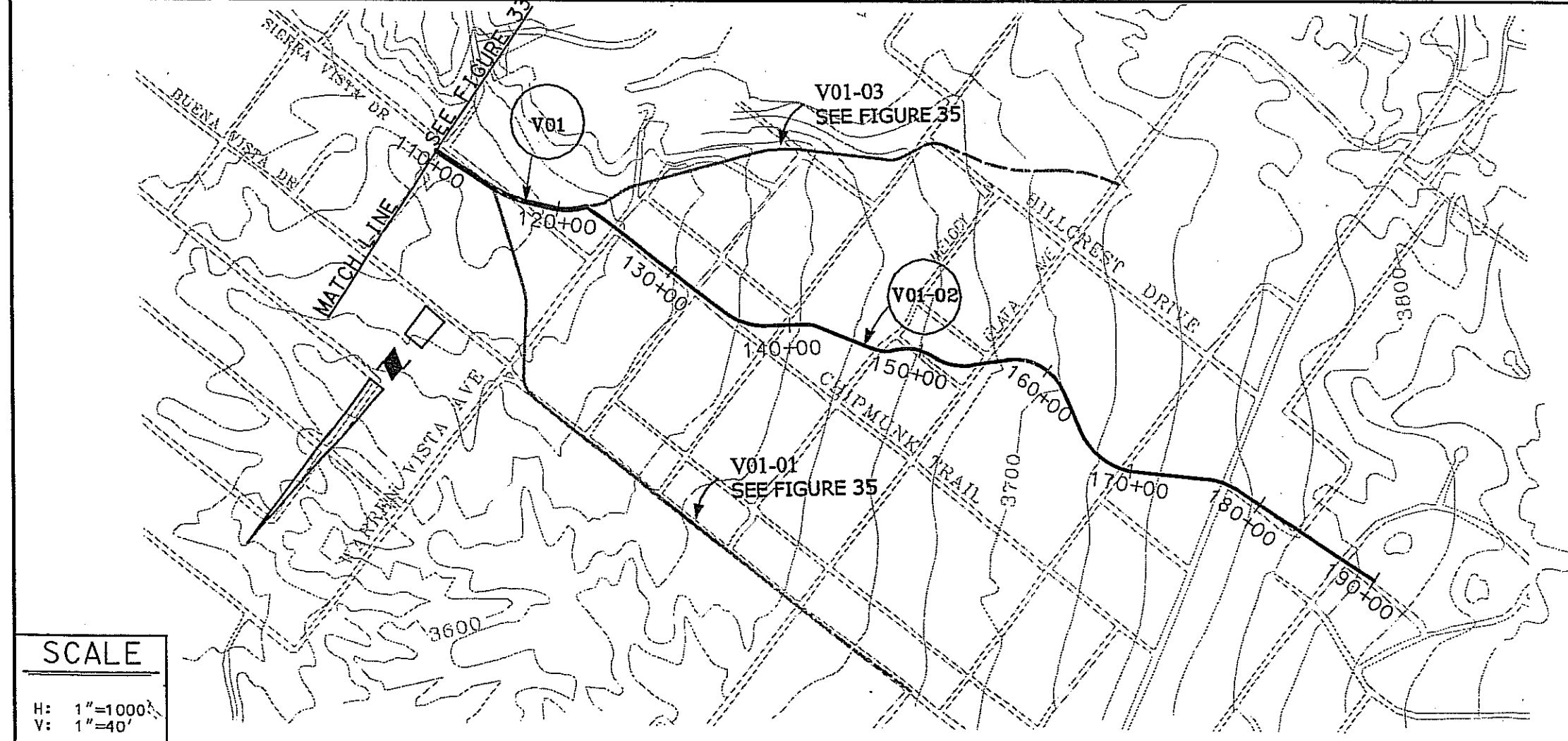
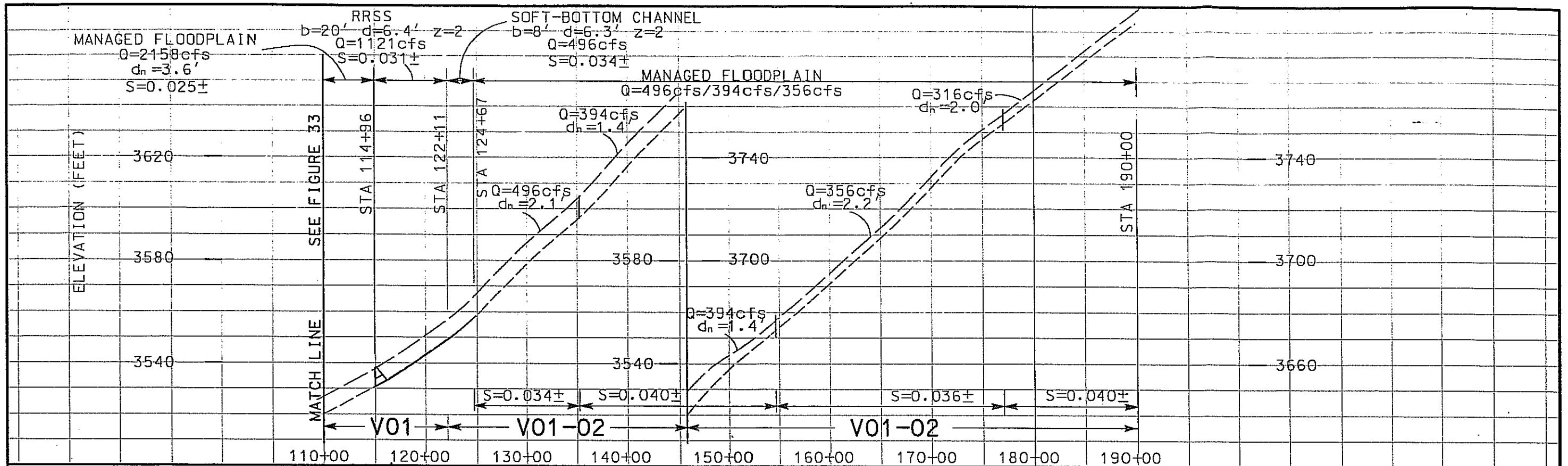
H: 1"=1000'

V: 1"=40'

DATE
SEPT 1998

FIGURE
33

John M. Tettener
 JOHN M. TETTENER & ASSOCIATES, LTD.
 ENGINEERING MANAGEMENT PLANNING
 3151 Airway Avenue, Suite G-1 Costa Mesa, California 92626



LEGEND

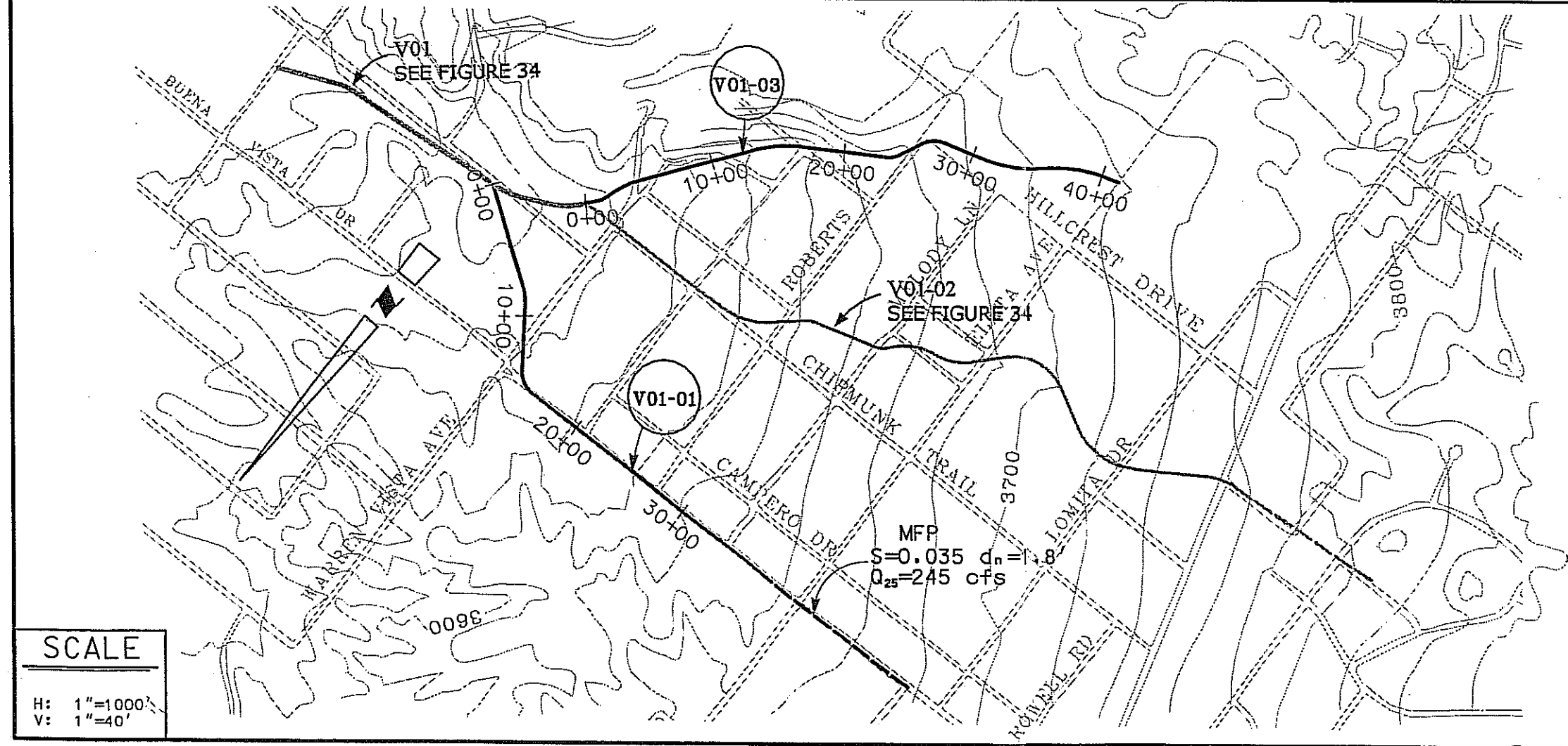
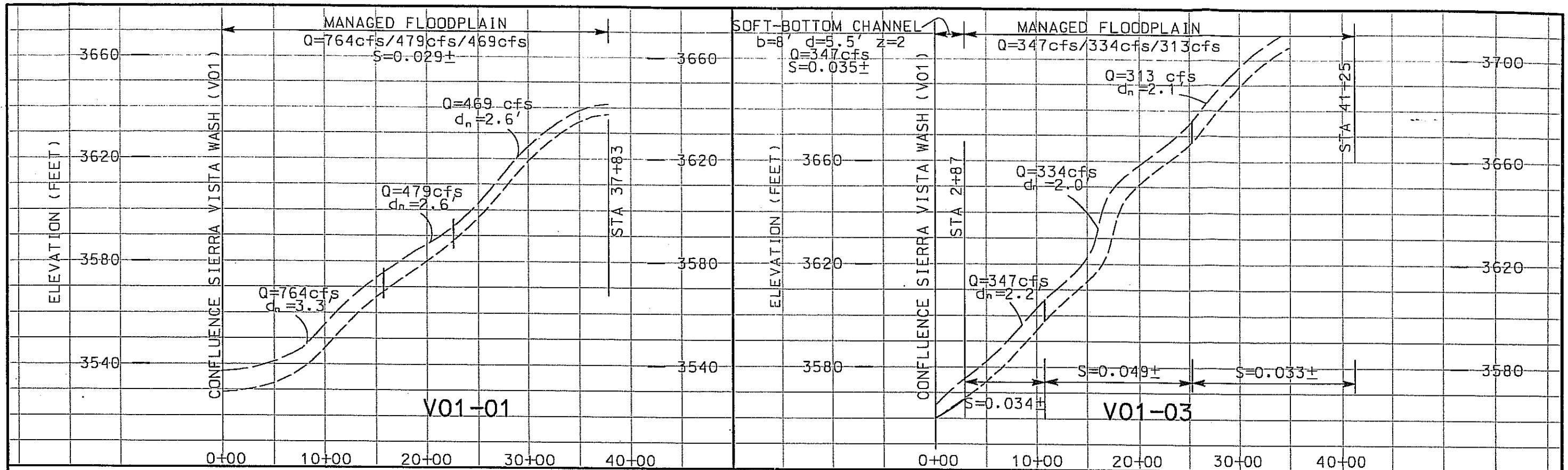
- TOP OF BANK
- - - NATURAL GROUND
- - - PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- V01 FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE
- RRSS ROCK-REVERTED SIDE SLOPES

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE
**SIERRA VISTA WASH
 (V01 & V01-02)**
 STA. 110+00 TO STA. 177+07

SCALE
 H: 1"=1000'
 V: 1"=40'

DATE
 SEPT 1998
 FIGURE
 34

John M. Tettemer
 JOHN M. TETTEMER & ASSOCIATES, LTD.
 ENGINEERING MANAGEMENT PLANNING
 3151 Airway Avenue, Suite G-1 Costa Mesa, California 92626



LEGEND

- TOP OF BANK
- NATURAL GROUND
- PROPOSED INVERT
- BOTTOM CONTROL
- CULVERT
- FACILITY NUMBER
- REGIONAL FACILITY
- SECONDARY FACILITY
- LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- MFP MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE
- RRSS ROCK-RETTED SIDE SLOPES

**SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE**

**CHIPMUNK WASH (V01-01)
 HILLCREST WASH (V01-03)**

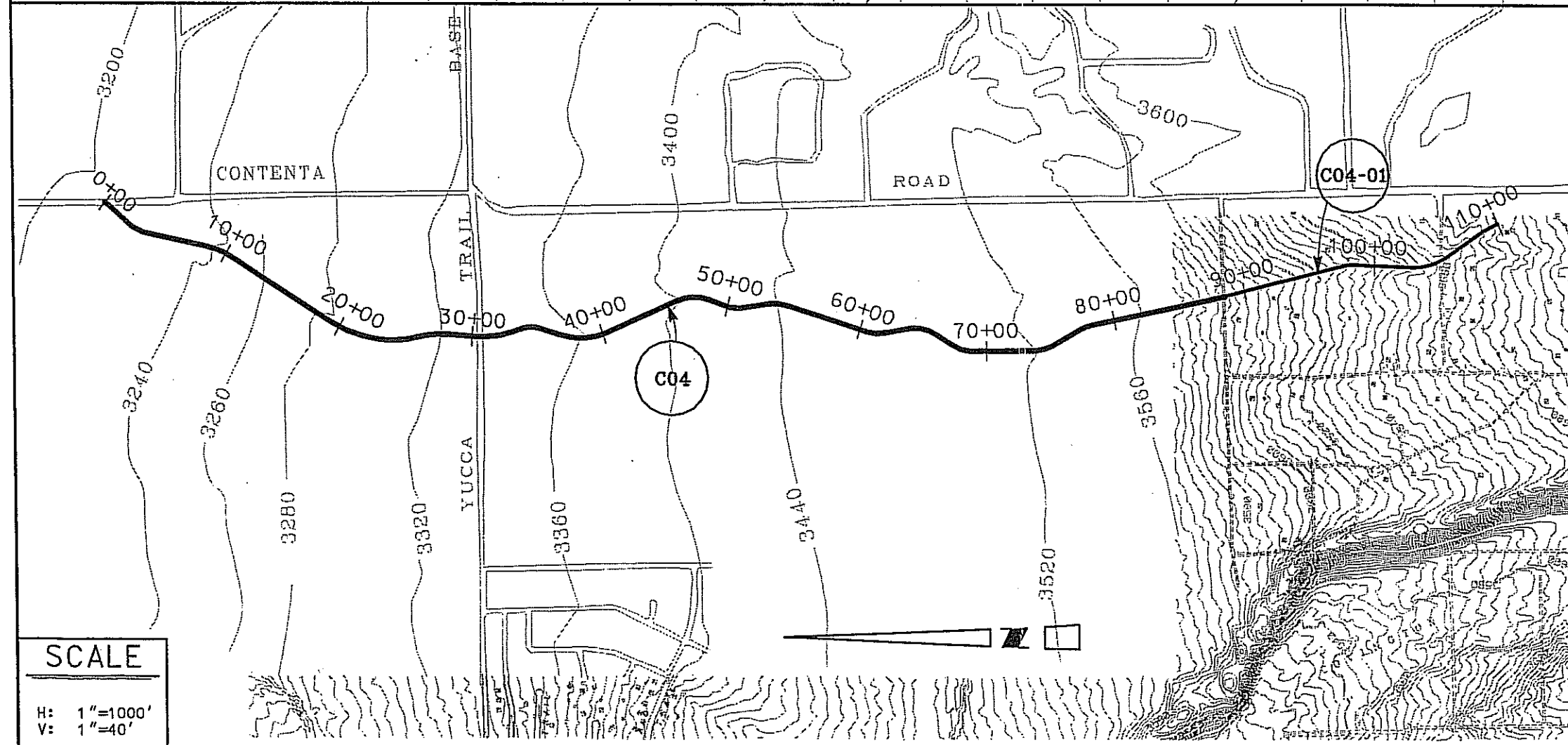
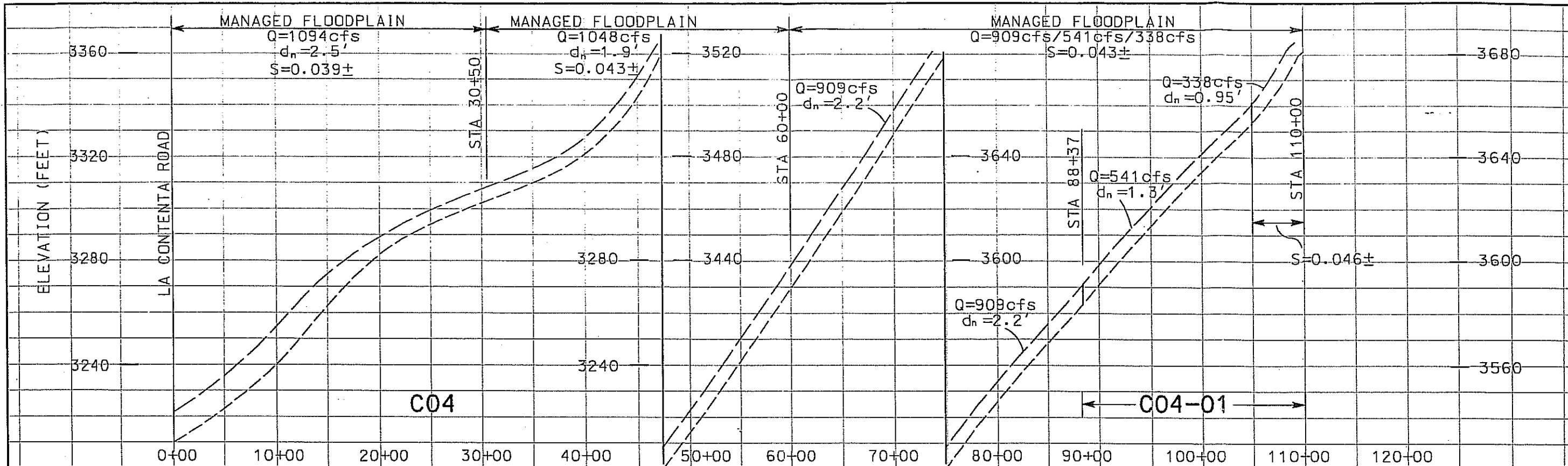
STA. 0+00 TO STA. 37+83
 STA. 0+00 TO STA. 41+25

SCALE
 H: 1"=1000'
 V: 1"=40'

DATE
 SEPT 1998

FIGURE
 35

John M. Tetterer
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 ENGINEERING MANAGEMENT PLANNING
 3151 Arway Avenue, Suite D-1 Costa Mesa, California 92626



LEGEND

- TOP OF BANK
- - - NATURAL GROUND
- - - PROPOSED INVERT
- ▲ BOTTOM CONTROL
- ▲ CULVERT
- ⊙ FACILITY NUMBER
- ⊙ REGIONAL FACILITY
- ⊙ SECONDARY FACILITY
- ⊙ LOCAL FACILITY
- SBC SOFT-BOTTOM CHANNEL
- RLC ROCK-LINED CHANNEL
- CLC CONCRETE-LINED CHANNEL
- SZF STREET FLOW
- MANAGED FLOODPLAIN
- RCP REINFORCED CONCRETE PIPE

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT

YUCCA VALLEY MASTER PLAN OF DRAINAGE

**LA CONTENTA WASH
(C04 & C04-01)**

STA. 0+00 TO STA. 110+00

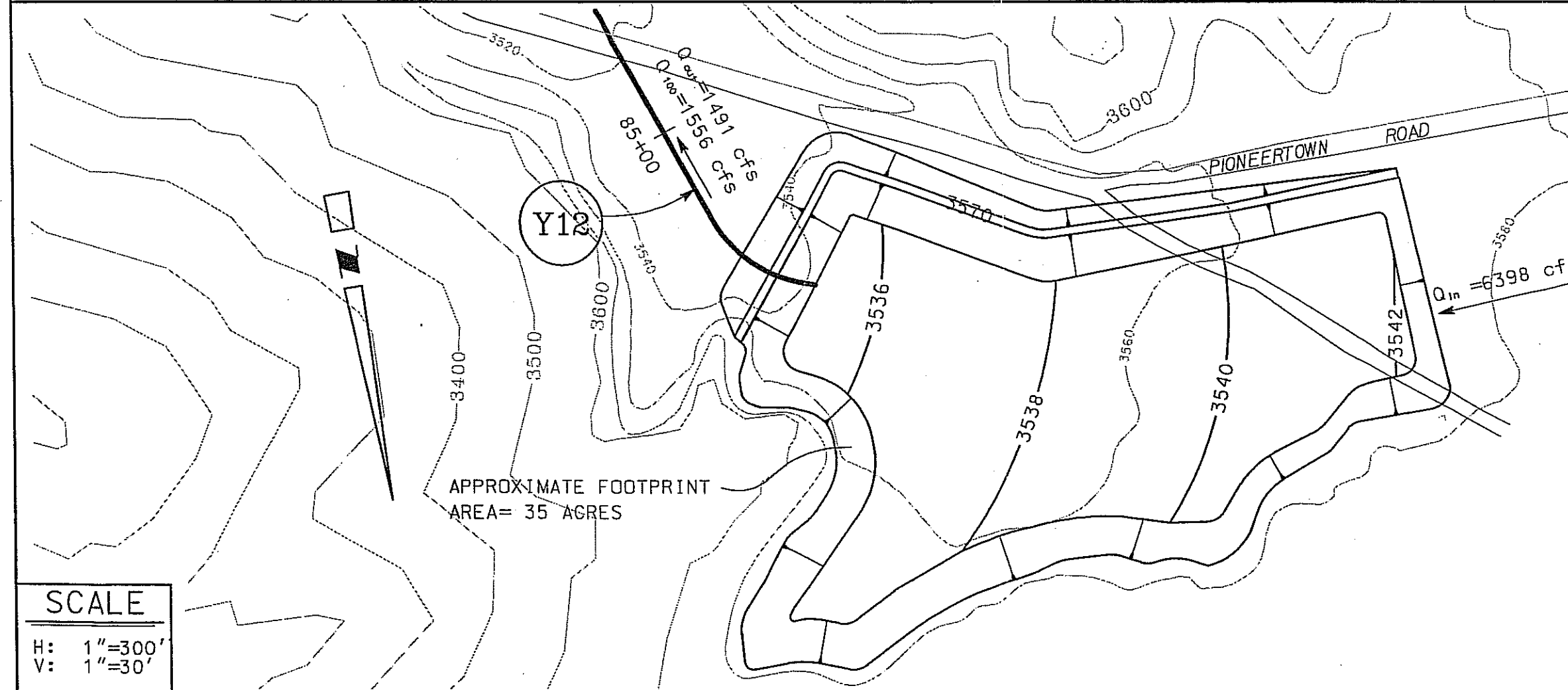
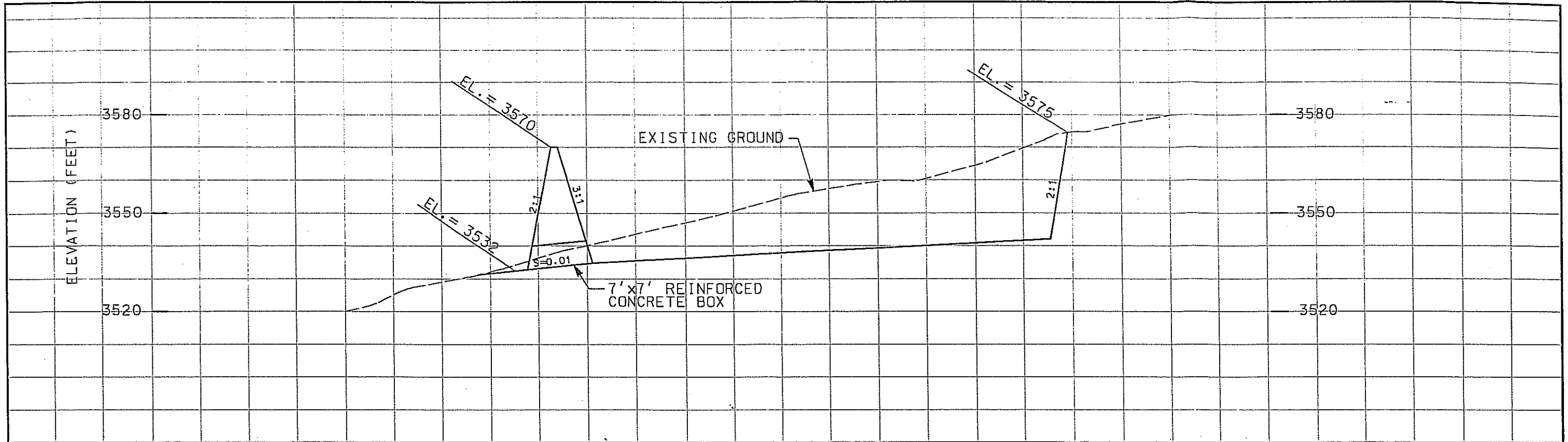
SCALE

H: 1"=1000'
V: 1"=40'

DATE
SEPT 1998

FIGURE
36

John M. Tetterer
JOHN M. TETTERER & ASSOCIATES, LTD.
ENGINEERING MANAGEMENT PLANNING
3151 Arroyo Avenue, Suite 0-1 Costa Mesa, California 92626



NOTES:

- ① DETAILS OF BASIN INLET, OUTLET STRUCTURES, AND SPILLWAYS ARE NOT SHOWN.
- ② REFER TO PLAN AND PROFILE SHEETS FOR INLET AND OUTLET CONVEYANCE FACILITIES.
- ③ POTENTIAL OPERATING STRUCTURES AND SUPPLEMENTAL OUTLET CONDUITS FOR MANAGEMENT OF STORM WATER FOR WATER CONSERVATION PURPOSES ARE NOT SHOWN.

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE

WATER CANYON BASIN

SCALE

H: 1"=300'
V: 1"=30'

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3151 Arroyo Avenue, Suite 0-1 Costa Mesa, California 92626

DATE
SEPT 1998
FIGURE
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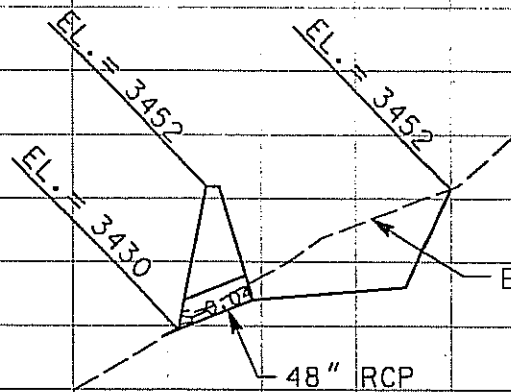
ELEVATION (FEET)

3450

3420

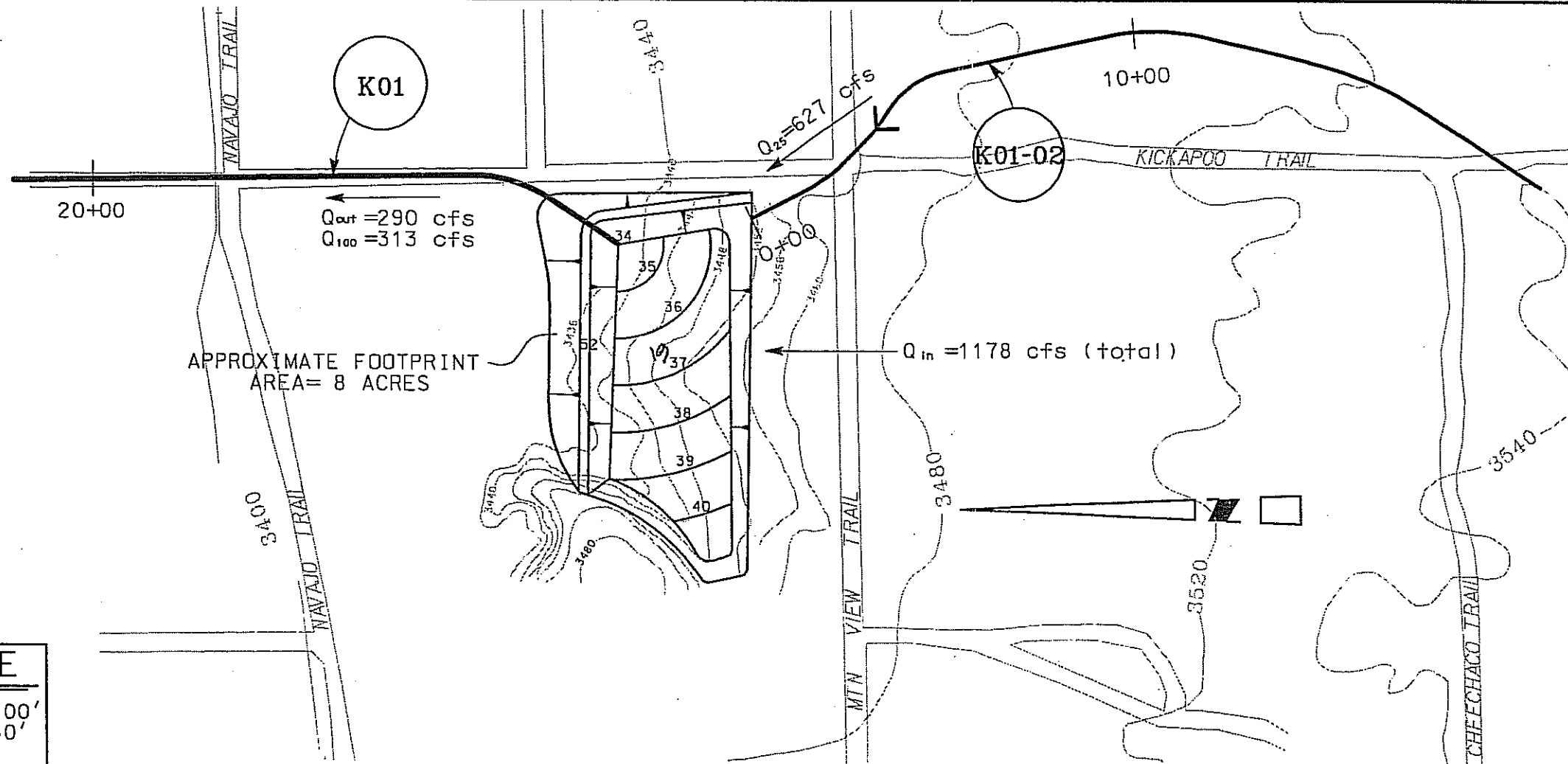
3450

3420



EXISTING GROUND

48" RCP



NOTES:

- 1) DETAILS OF BASIN INLET, OUTLET STRUCTURES, AND SPILLWAYS ARE NOT SHOWN.
- 2) REFER TO PLAN AND PROFILE SHEETS FOR INLET AND OUTLET CONVEYANCE FACILITIES.
- 3) POTENTIAL OPERATING STRUCTURES AND SUPPLEMENTAL OUTLET CONDUITS FOR MANAGEMENT OF STORM WATER FOR WATER CONSERVATION PURPOSES ARE NOT SHOWN.

SAN BERNARDINO COUNTY
 FLOOD CONTROL DISTRICT
 YUCCA VALLEY MASTER PLAN OF DRAINAGE

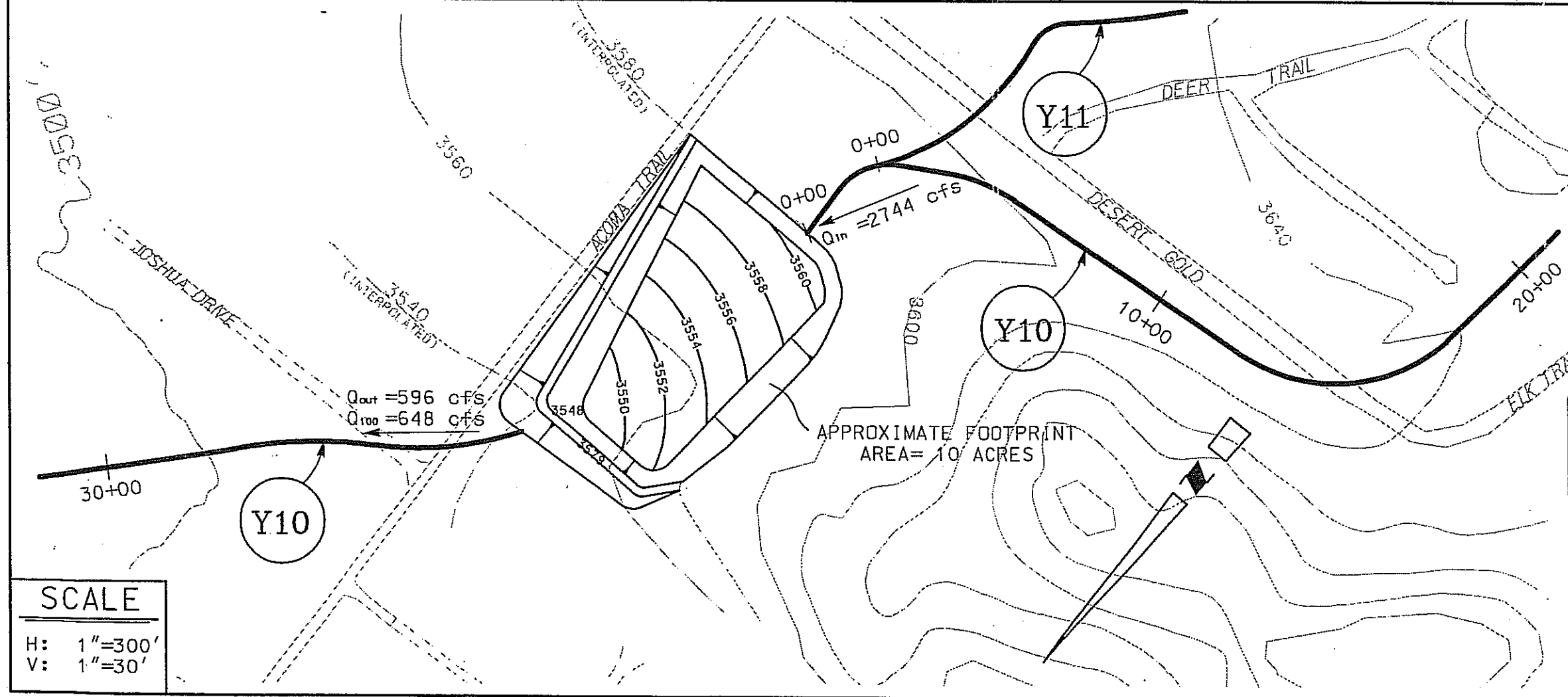
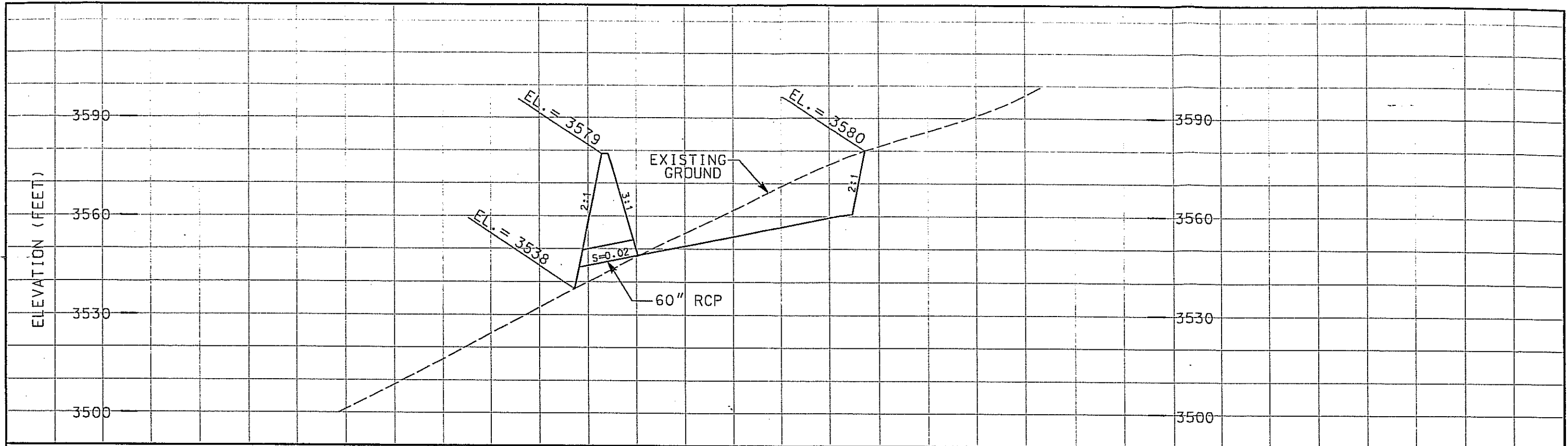
KICKAPOO BASIN

SCALE

H: 1" = 300'
 V: 1" = 30'

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DATE
 SEPT 1998
 FIGURE
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- NOTES:**
- ① DETAILS OF BASIN INLET, OUTLET STRUCTURES, AND SPILLWAYS ARE NOT SHOWN.
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FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE

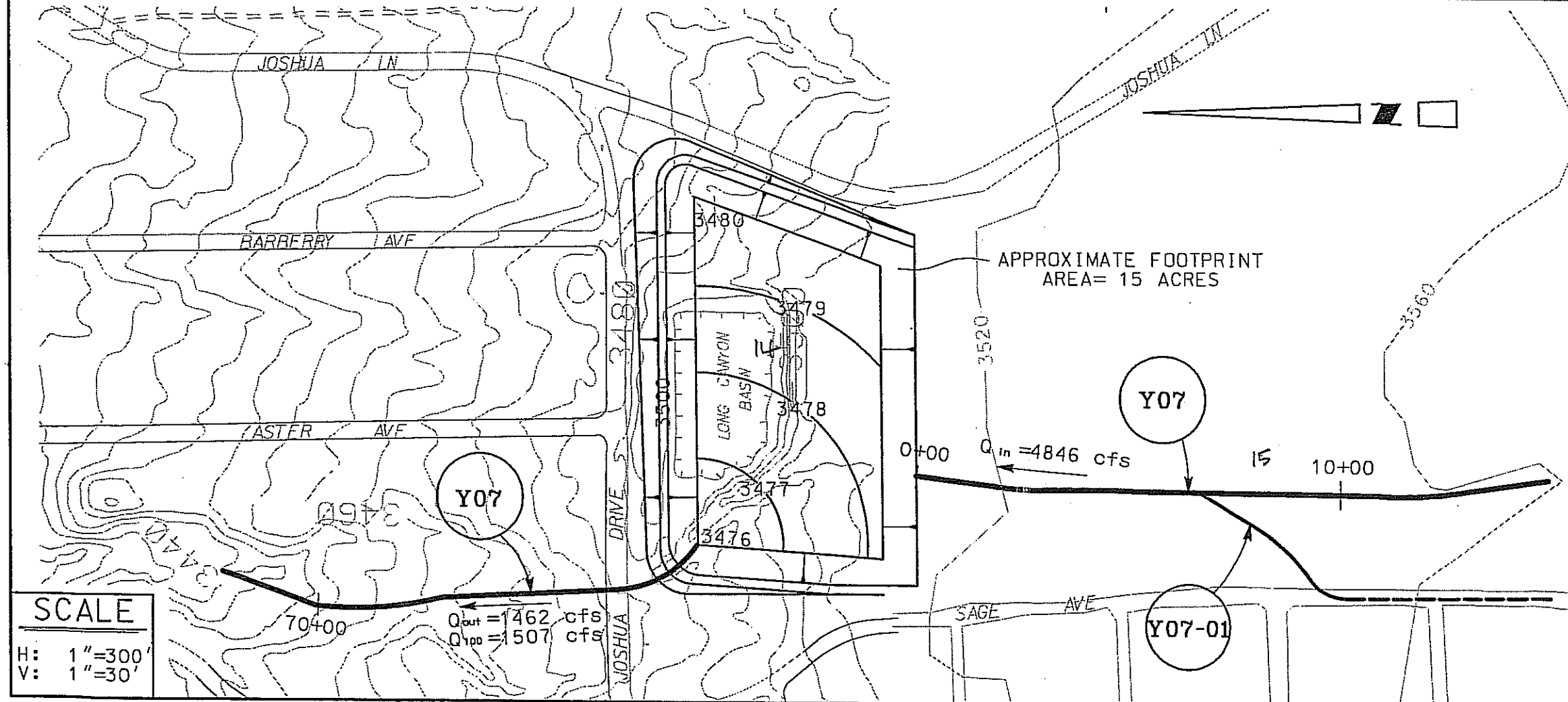
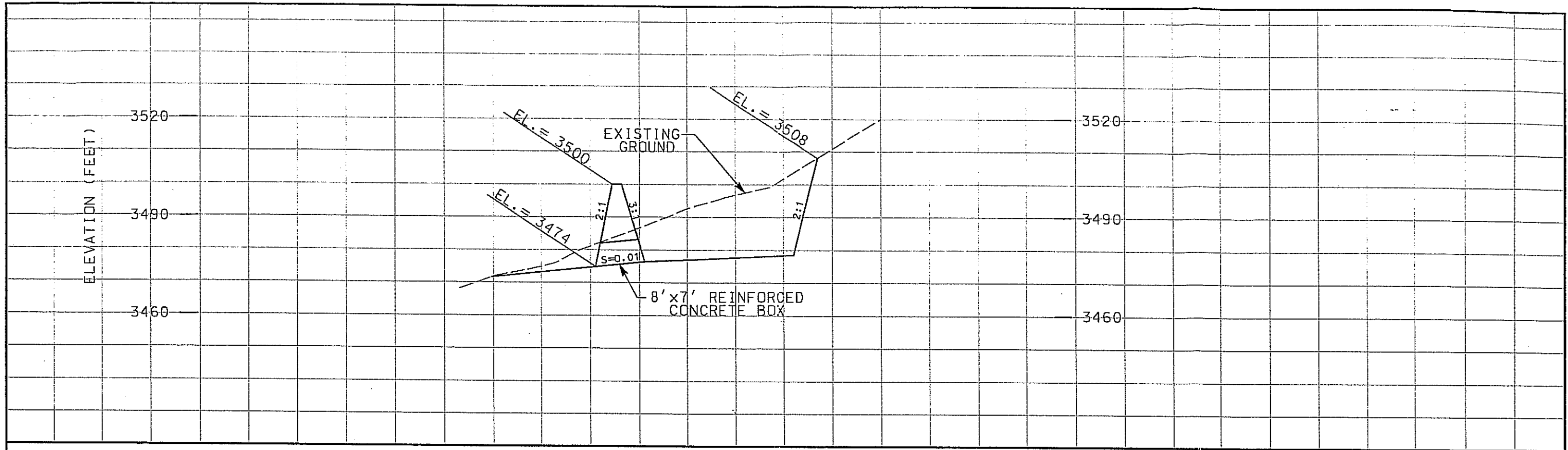
ACOMA BASIN

SCALE

H: 1"=300'
V: 1"=30'

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FIGURE
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- NOTES:**
- ① DETAILS OF BASIN INLET, OUTLET STRUCTURES, AND SPILLWAYS ARE NOT SHOWN.
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 - ③ POTENTIAL OPERATING STRUCTURES AND SUPPLEMENTAL OUTLET CONDUITS FOR MANAGEMENT OF STORM WATER FOR WATER CONSERVATION PURPOSES ARE NOT SHOWN.

SCALE
 H: 1"=300'
 V: 1"=30'

SAN BERNARDINO COUNTY
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LONG CANYON BASIN

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ELEVATION (FEET)

3450

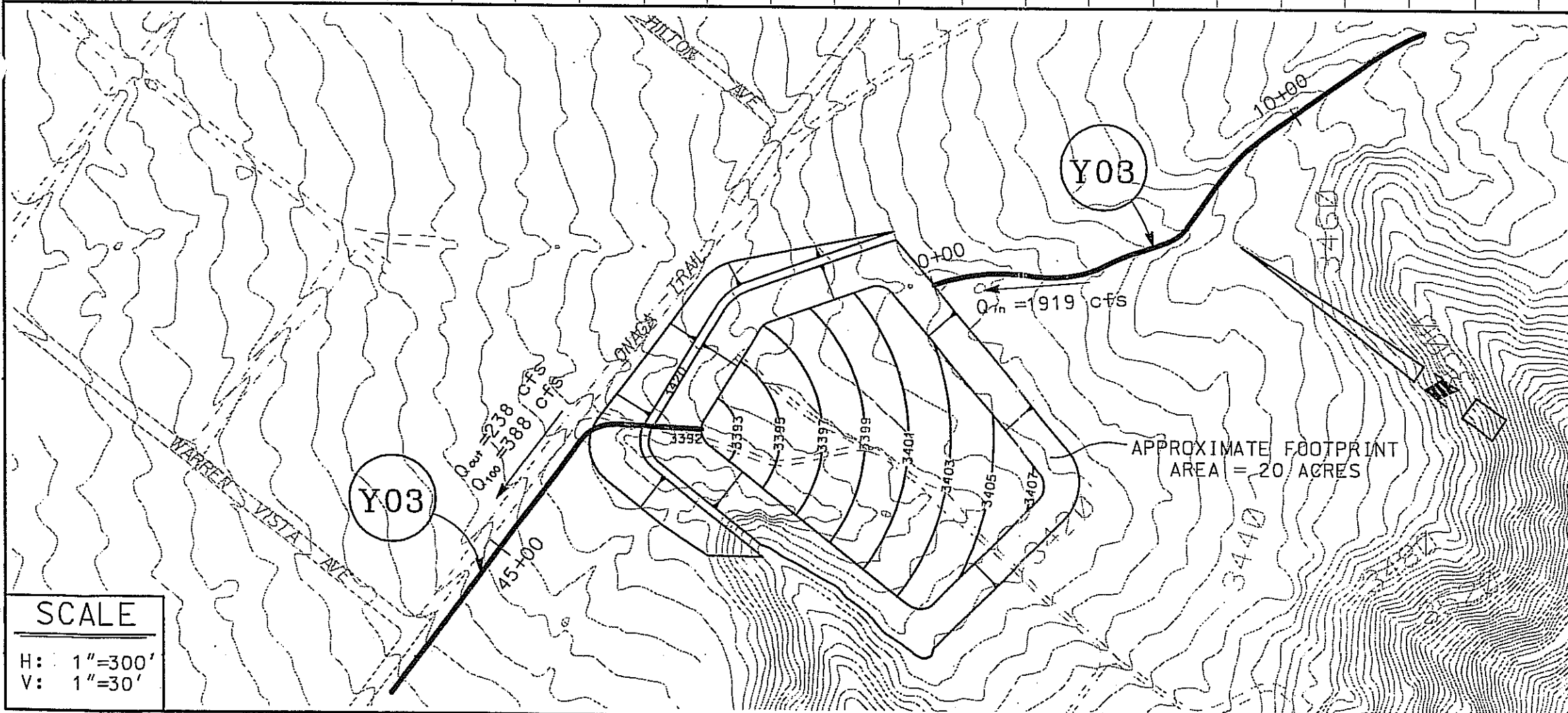
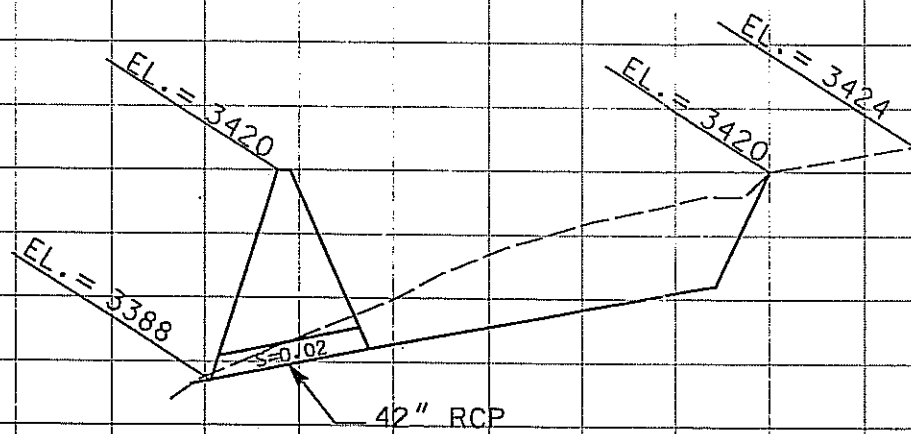
3420

3390

3450

3420

3390



NOTES:

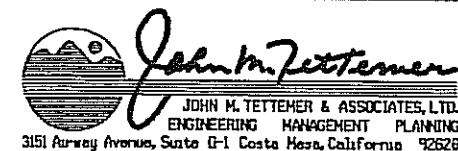
- ① DETAILS OF BASIN INLET, OUTLET STRUCTURES, AND SPILLWAYS ARE NOT SHOWN.
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SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE

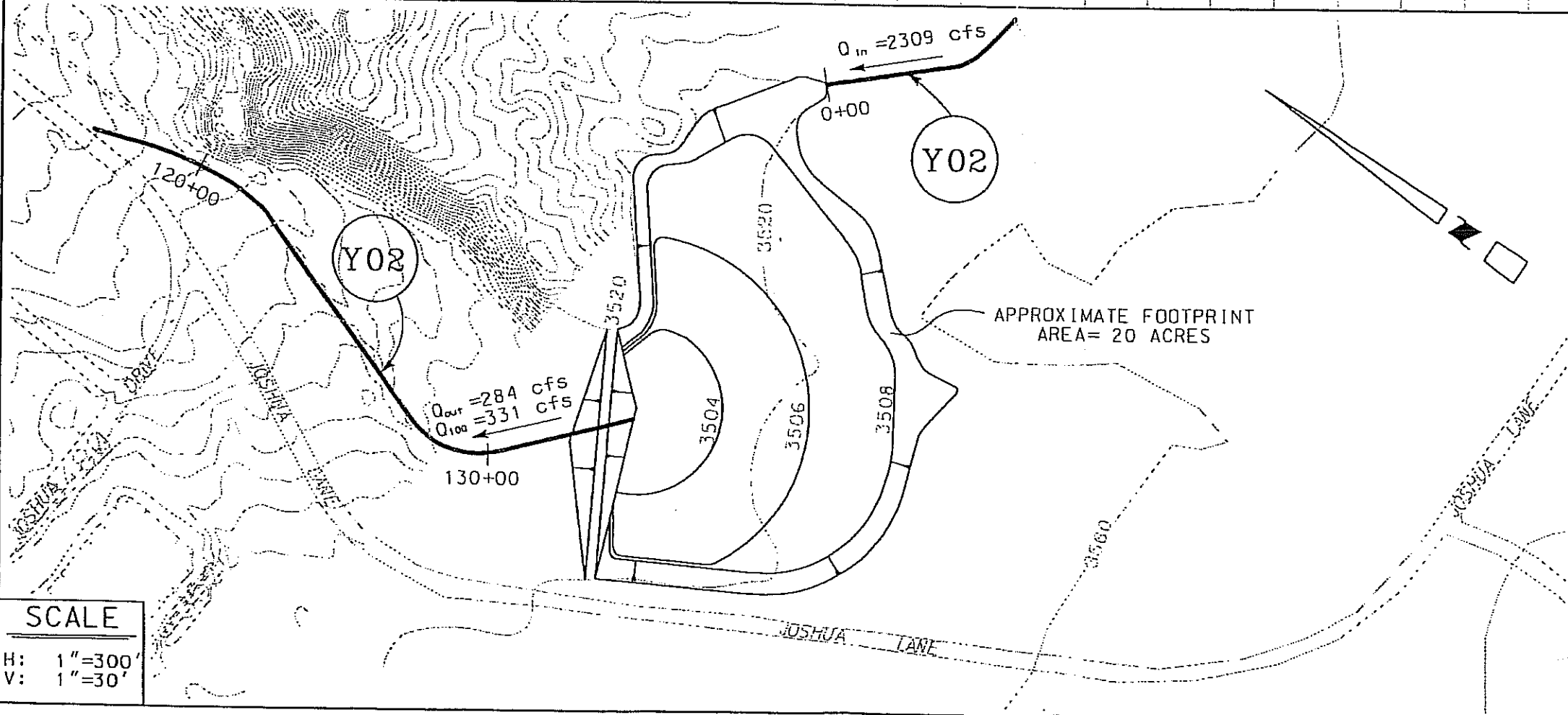
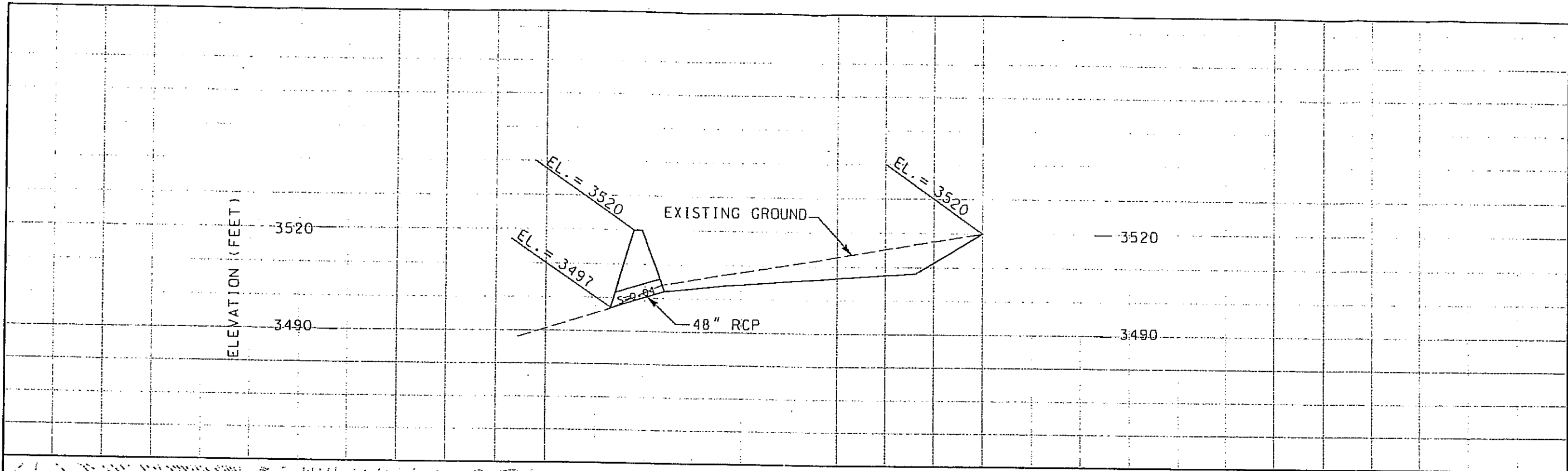
EAST BURNT MTN. BASIN

SCALE

H: 1"=300'
V: 1"=30'



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FIGURE
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NOTES:

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- ③ POTENTIAL OPERATING STRUCTURES AND SUPPLEMENTAL OUTLET CONDUITS FOR MANAGEMENT OF STORM WATER FOR WATER CONSERVATION PURPOSES ARE NOT SHOWN.

SAN BERNARDINO COUNTY
FLOOD CONTROL DISTRICT
YUCCA VALLEY MASTER PLAN OF DRAINAGE

WEST BURNT MTN. BASIN

SCALE
H: 1"=300'
V: 1"=30'

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SEPT 1998
FIGURE
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