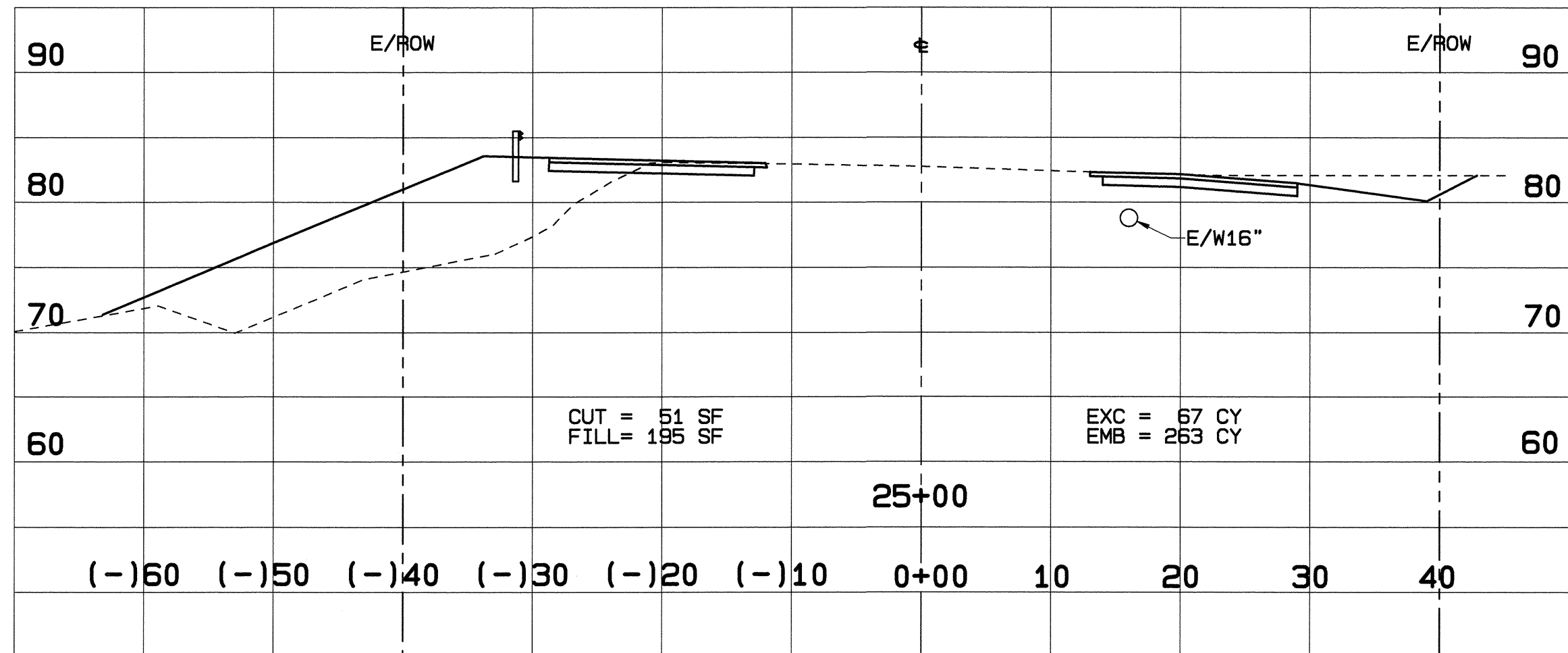
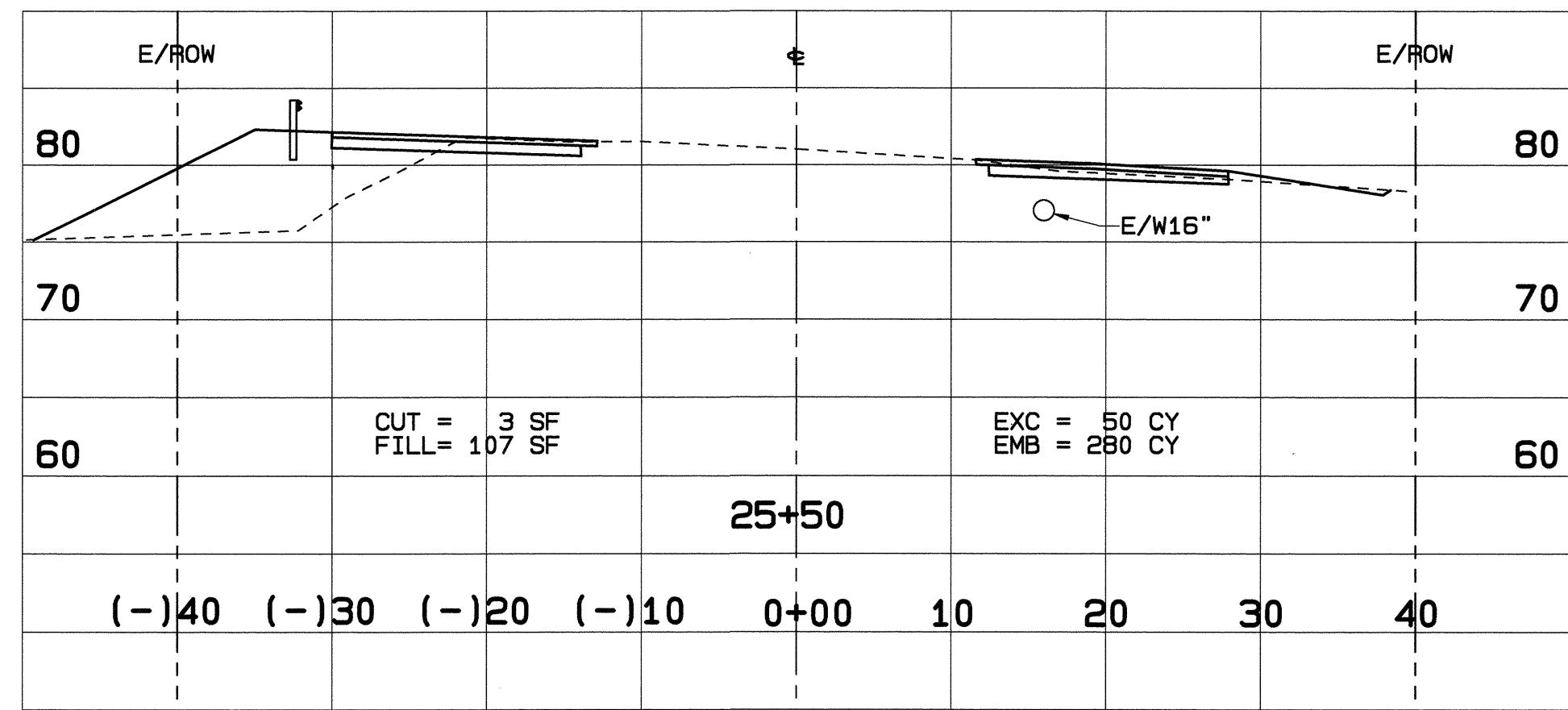
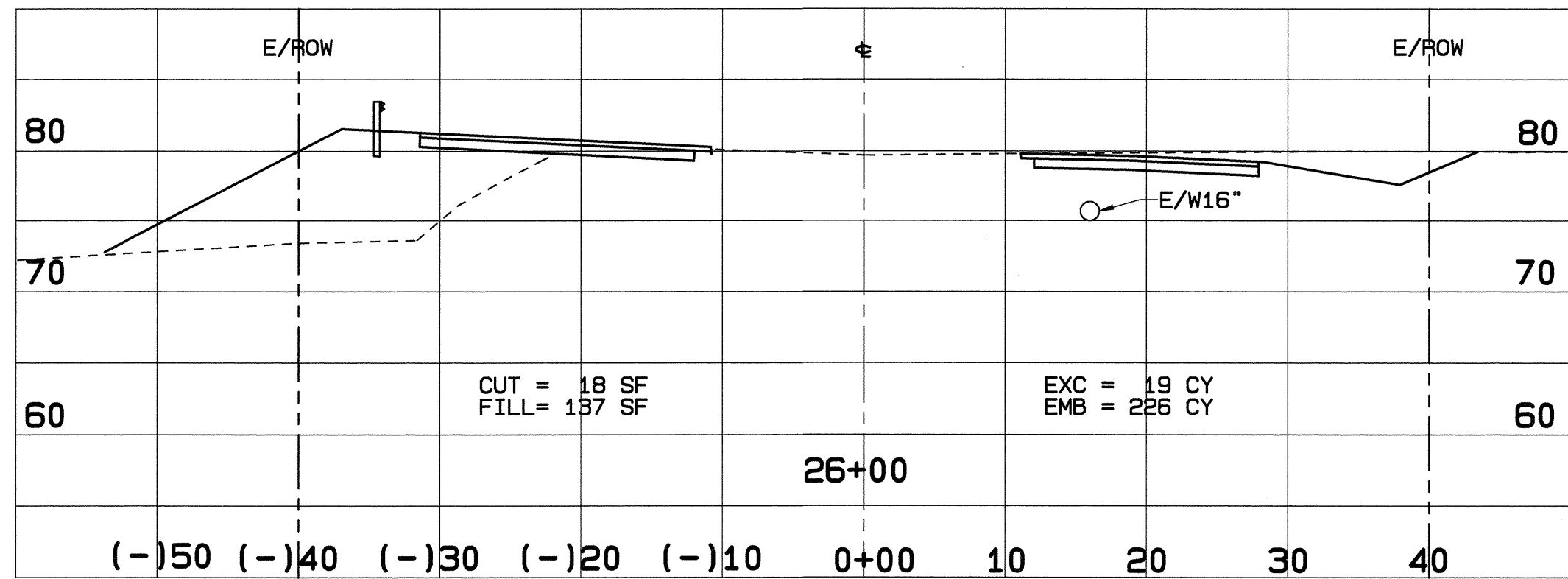
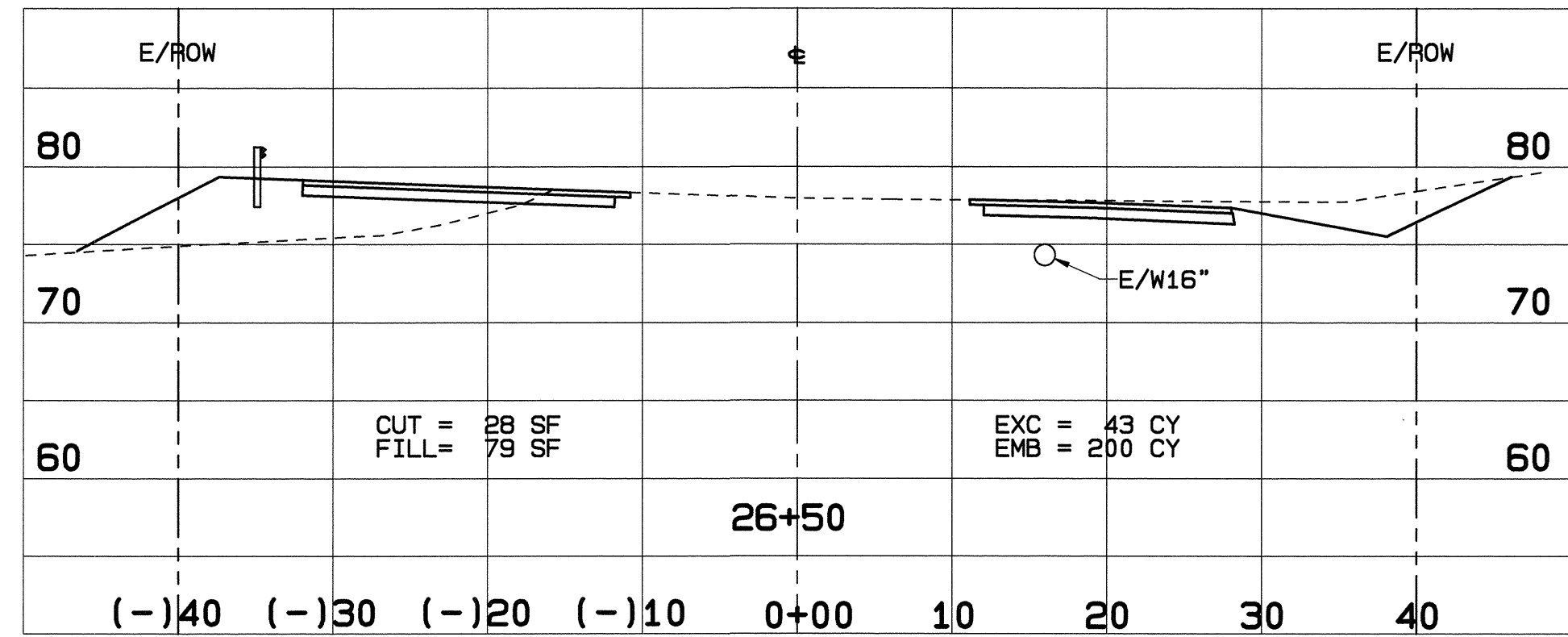
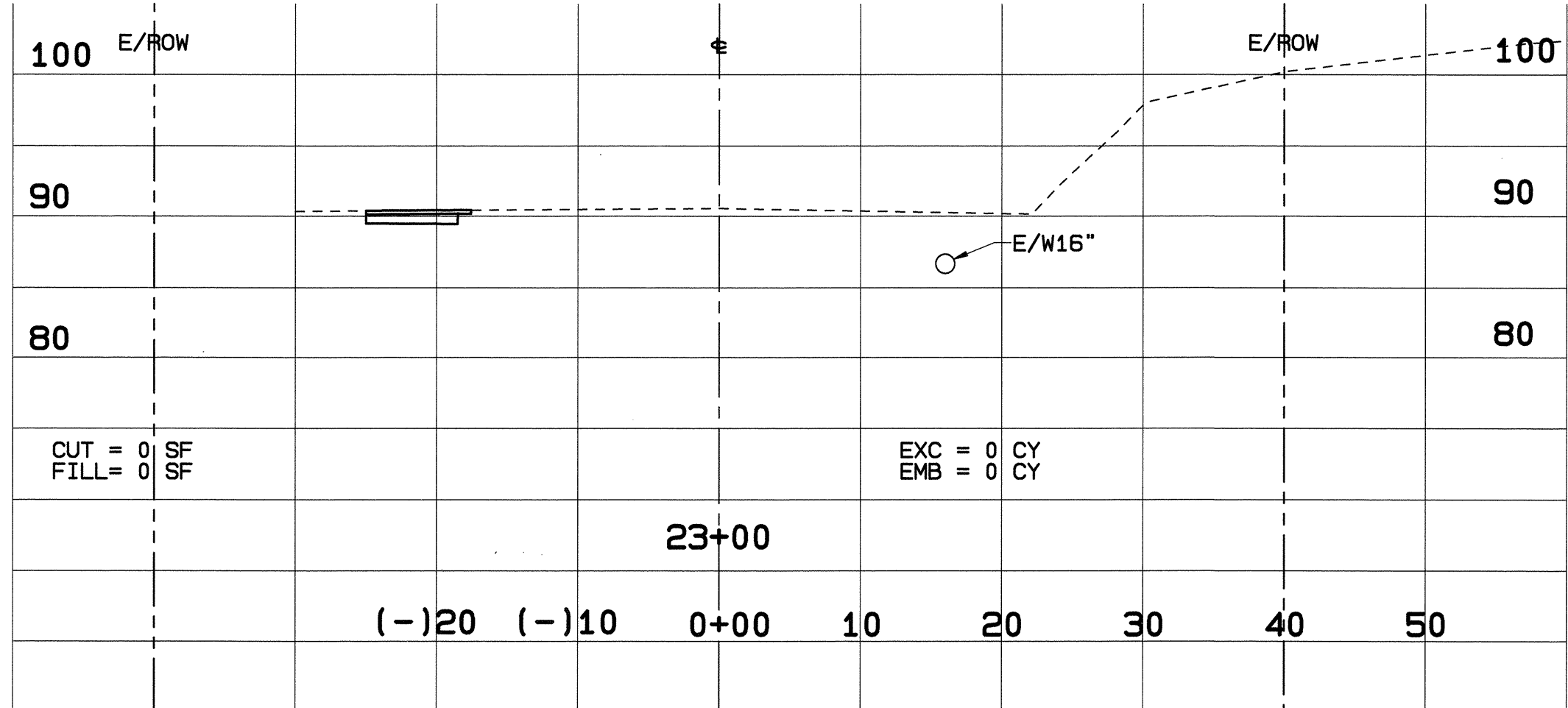
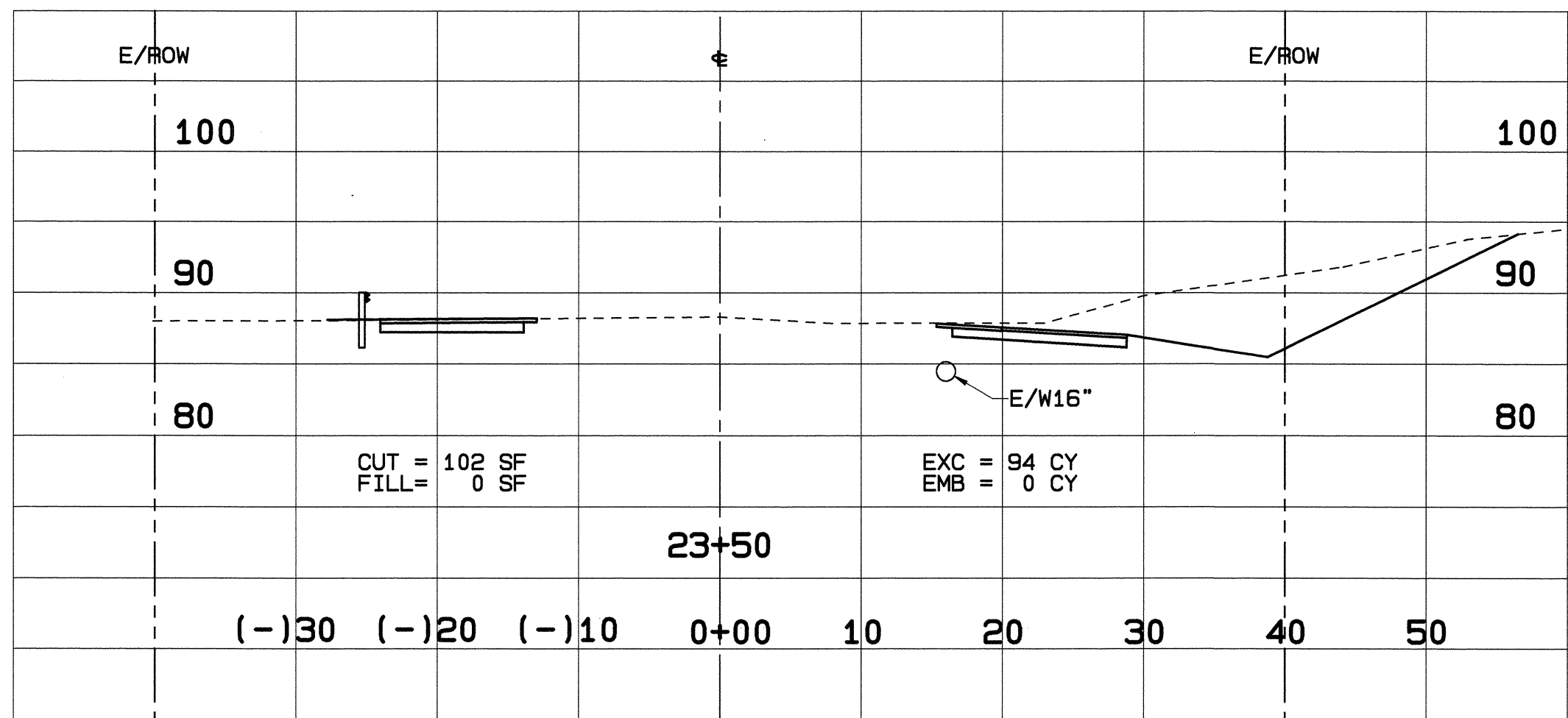
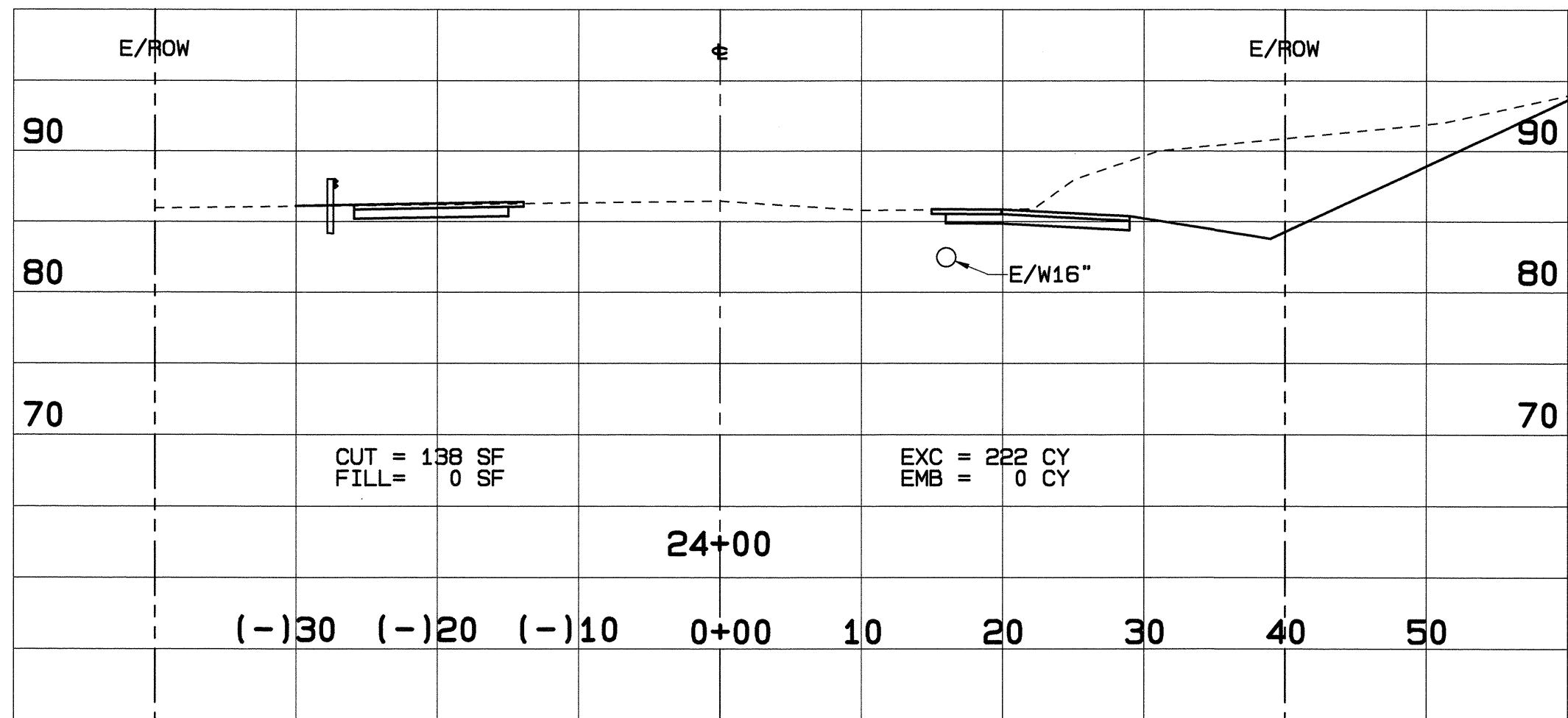
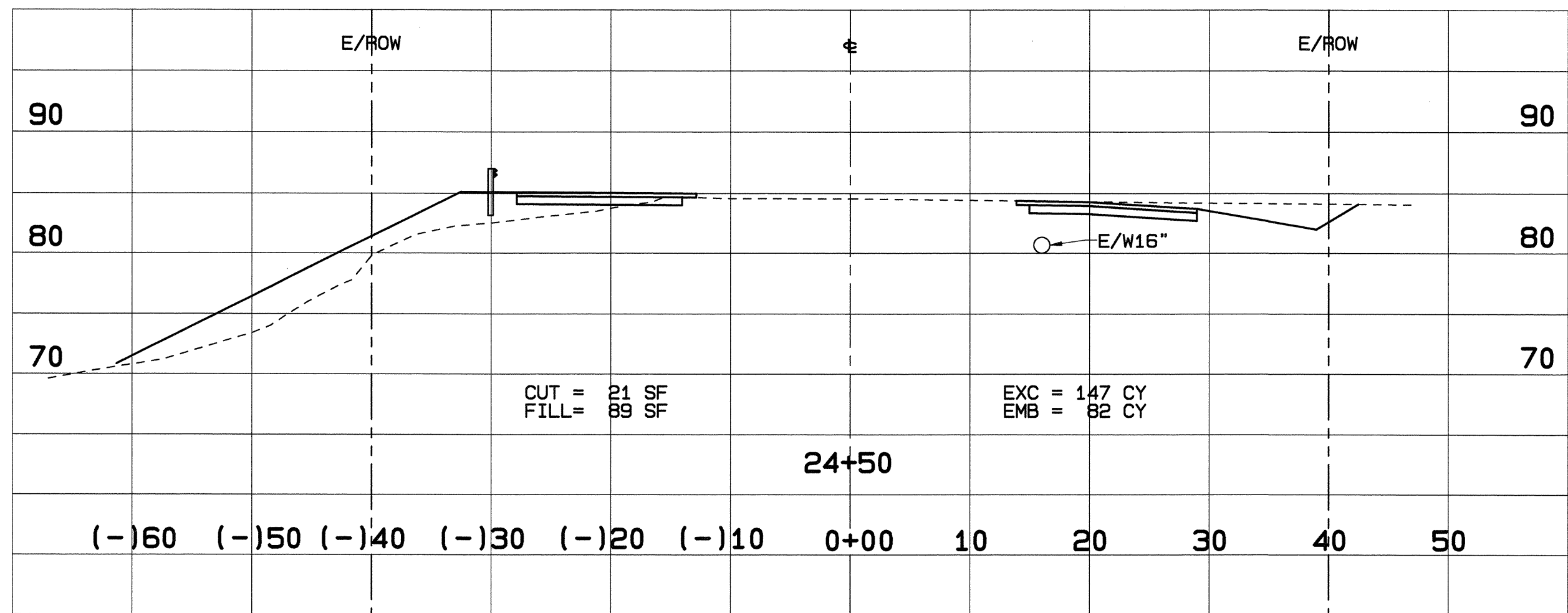
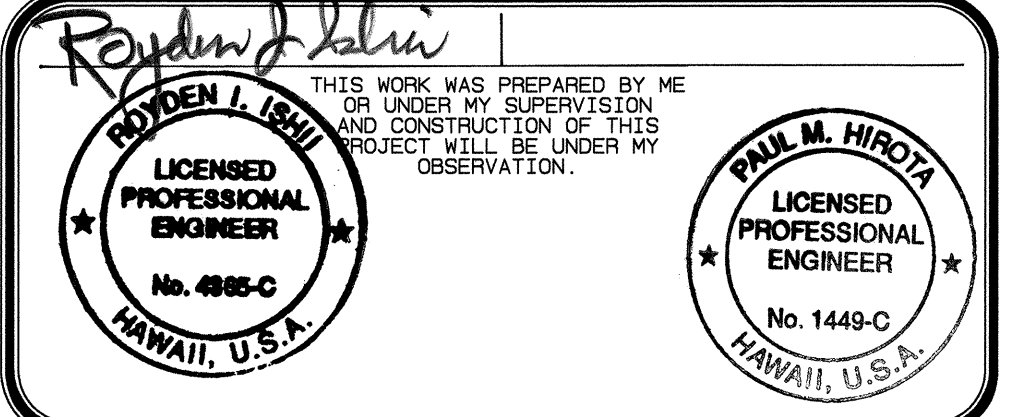




SCALES: HORIZ. 1"=10'
VERT. 1"=10'

Rev	Date	Description	Eng	App



BELT COLLINS
H A W A I I
680 Ala Moana Blvd. First Floor Honolulu, Hawaii 96813
Phone: (808) 521-5361 Fax: (808) 530-7819

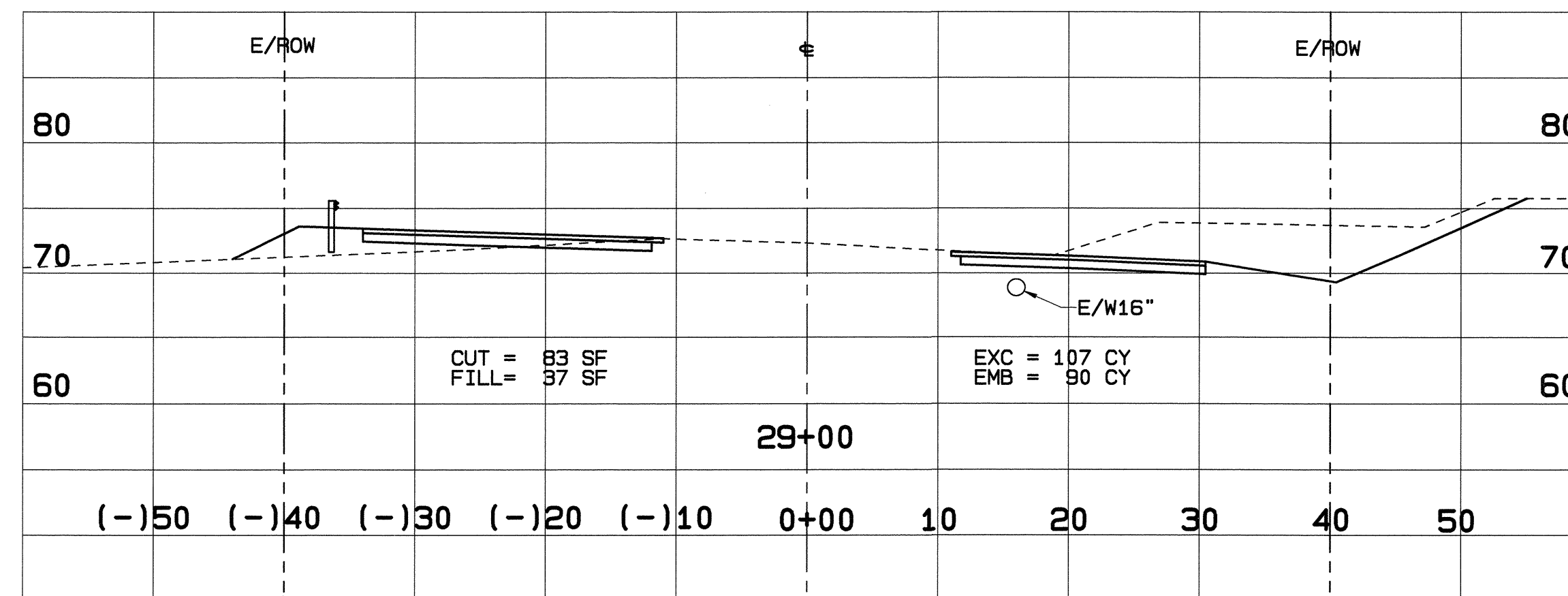
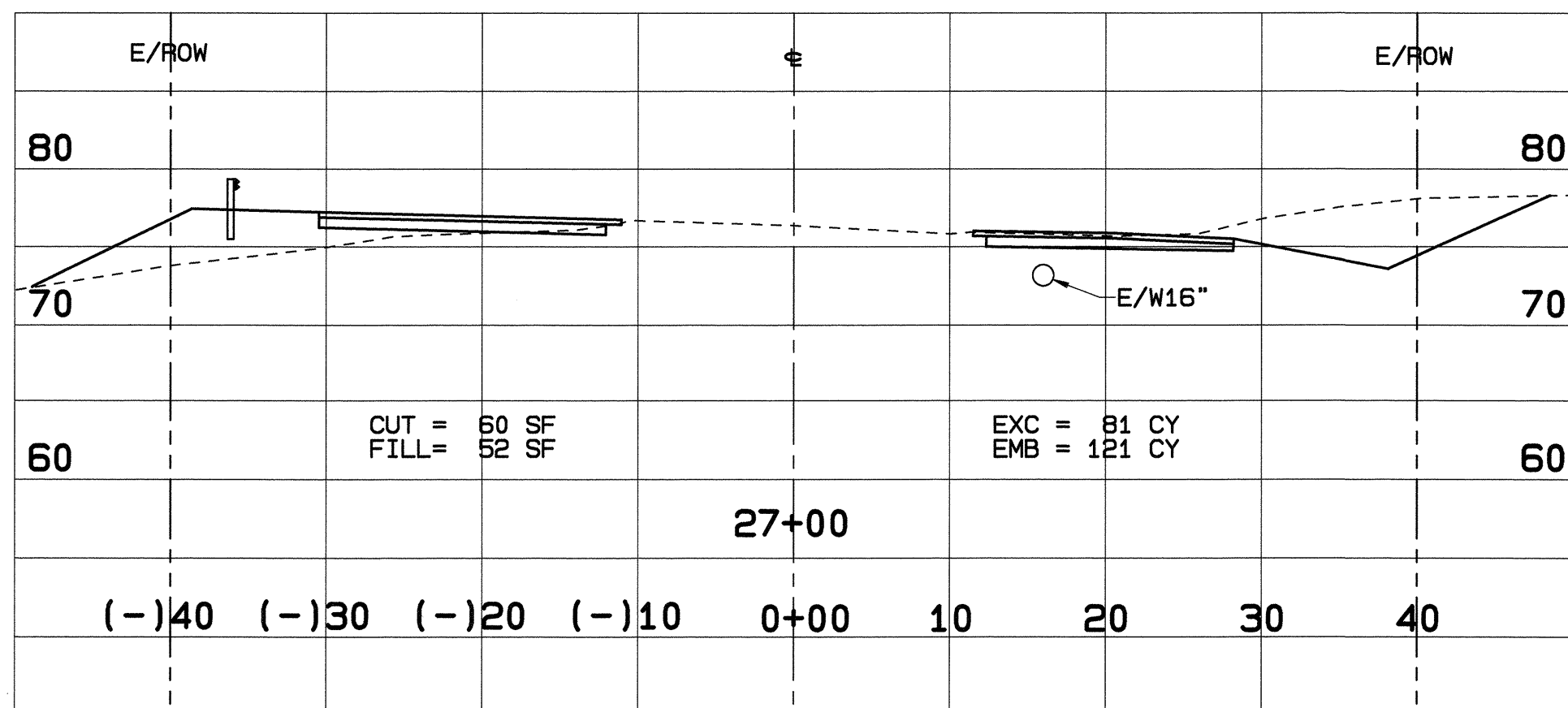
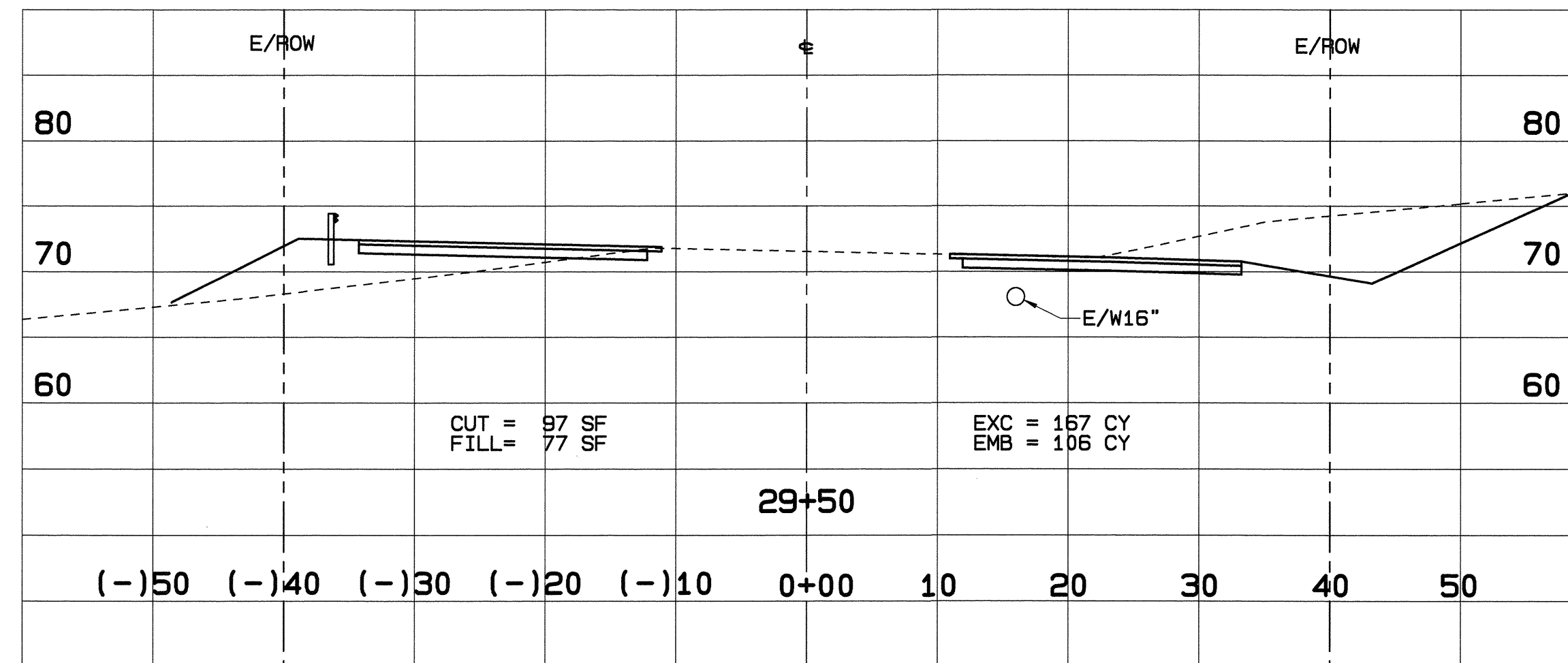
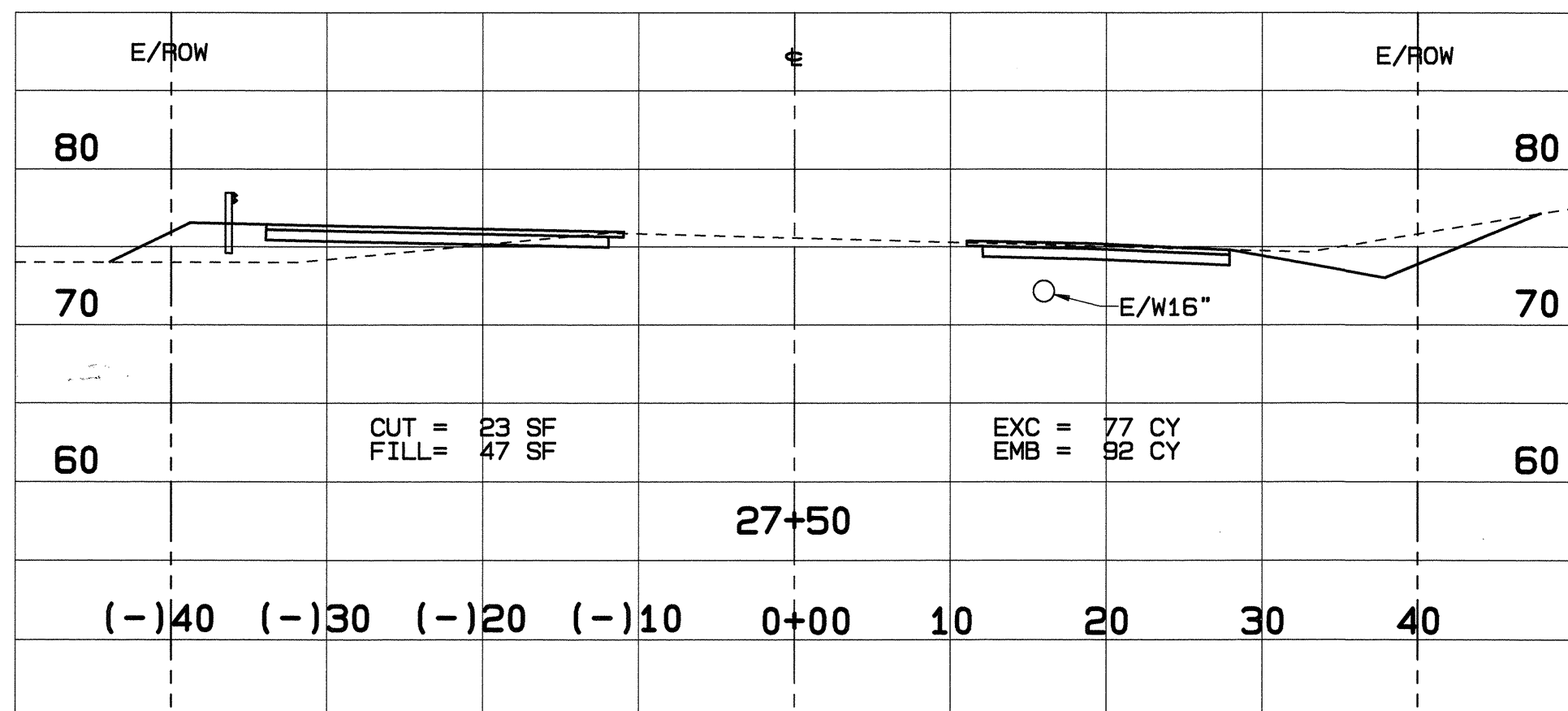
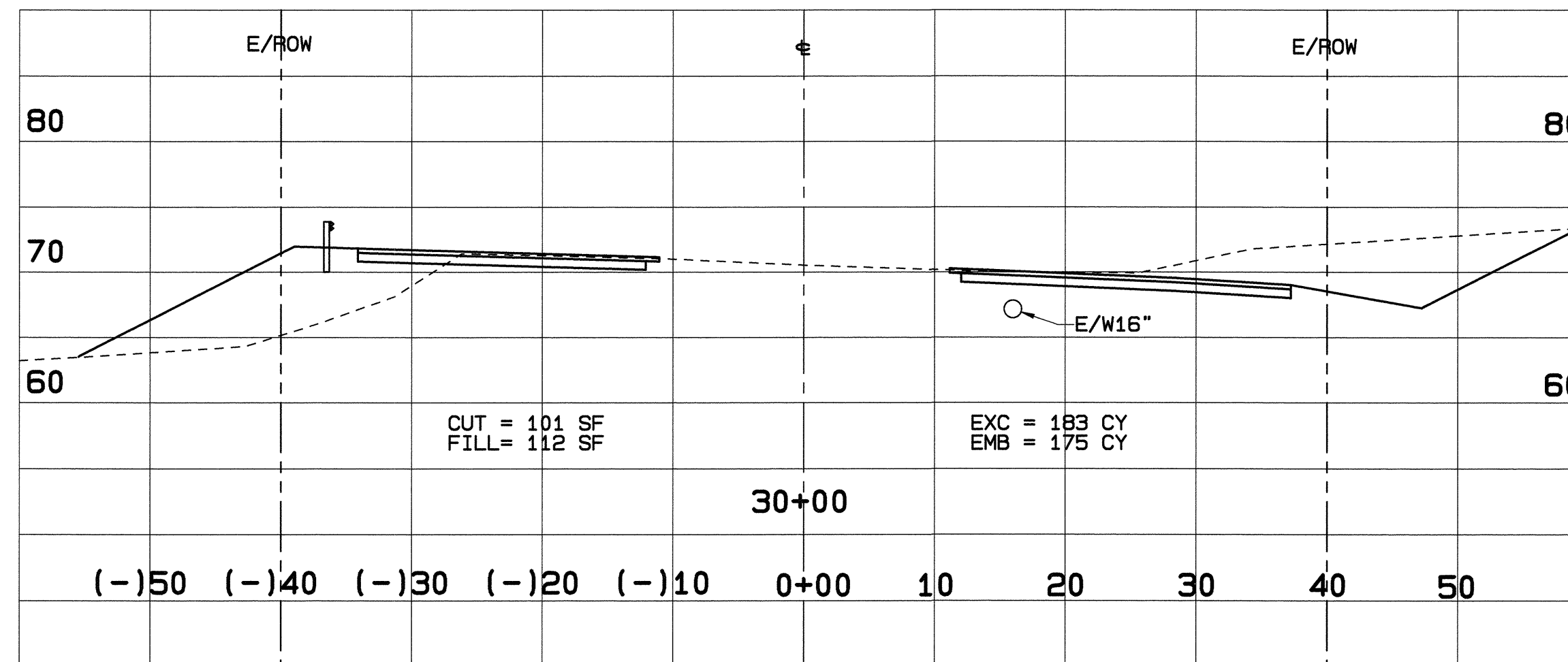
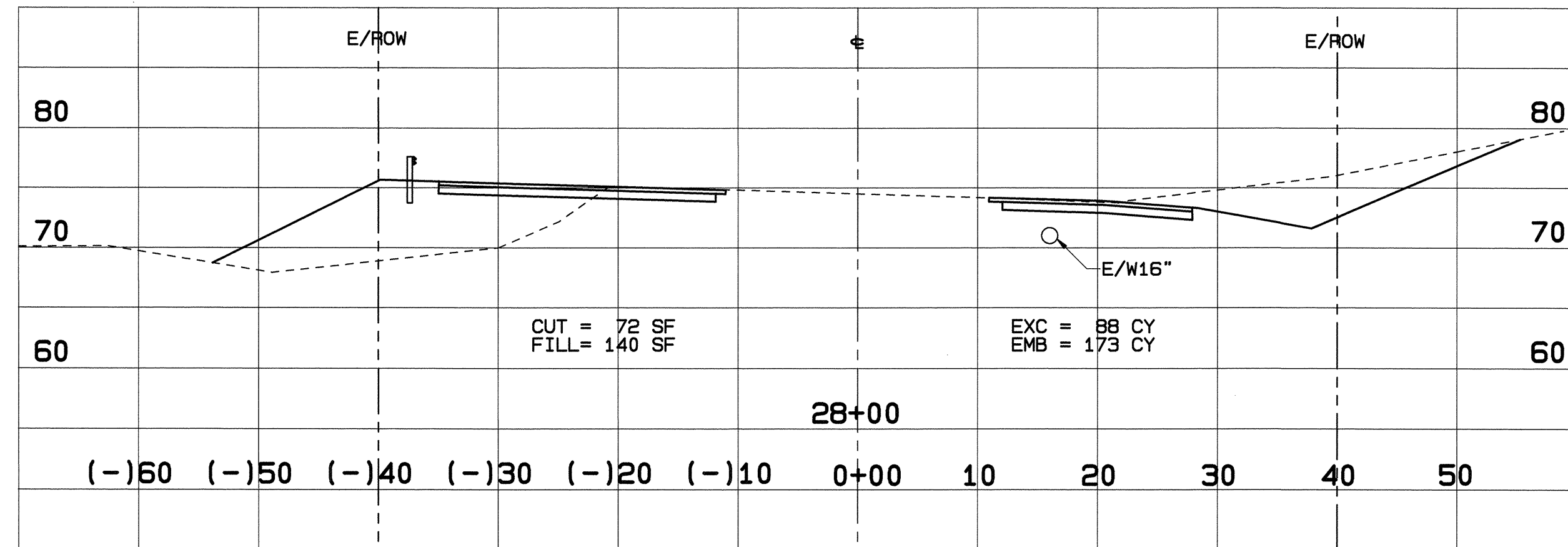
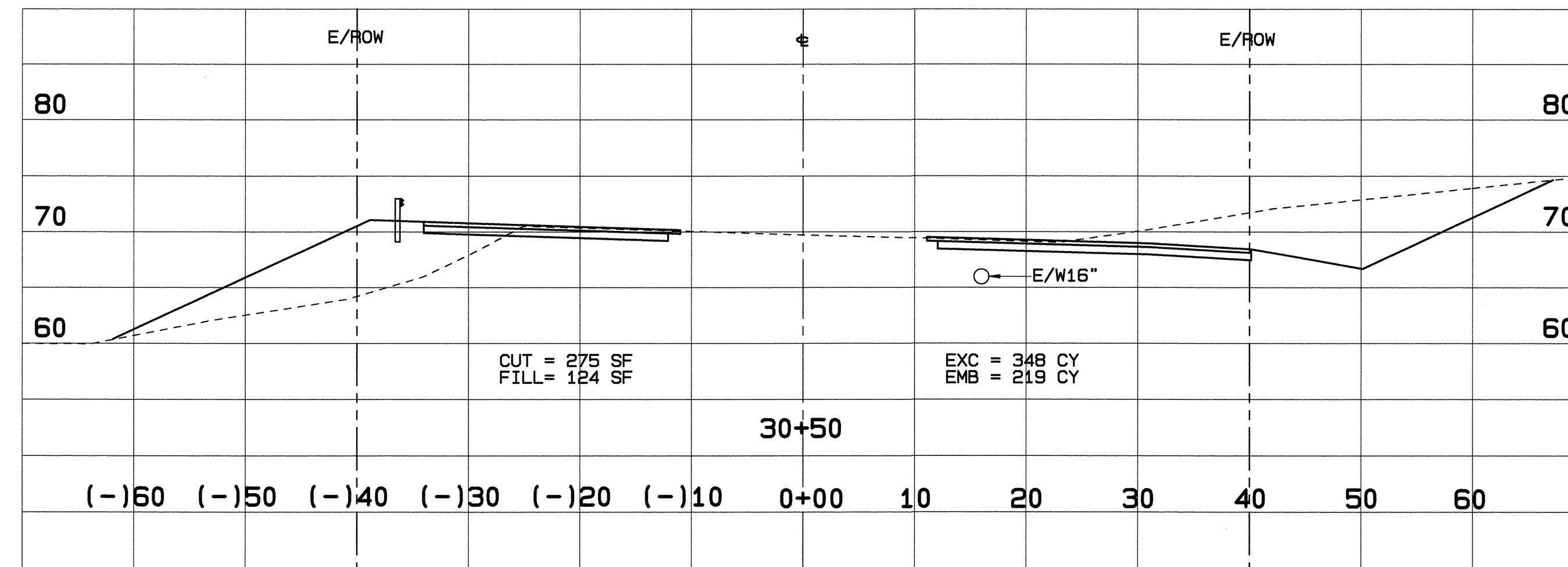
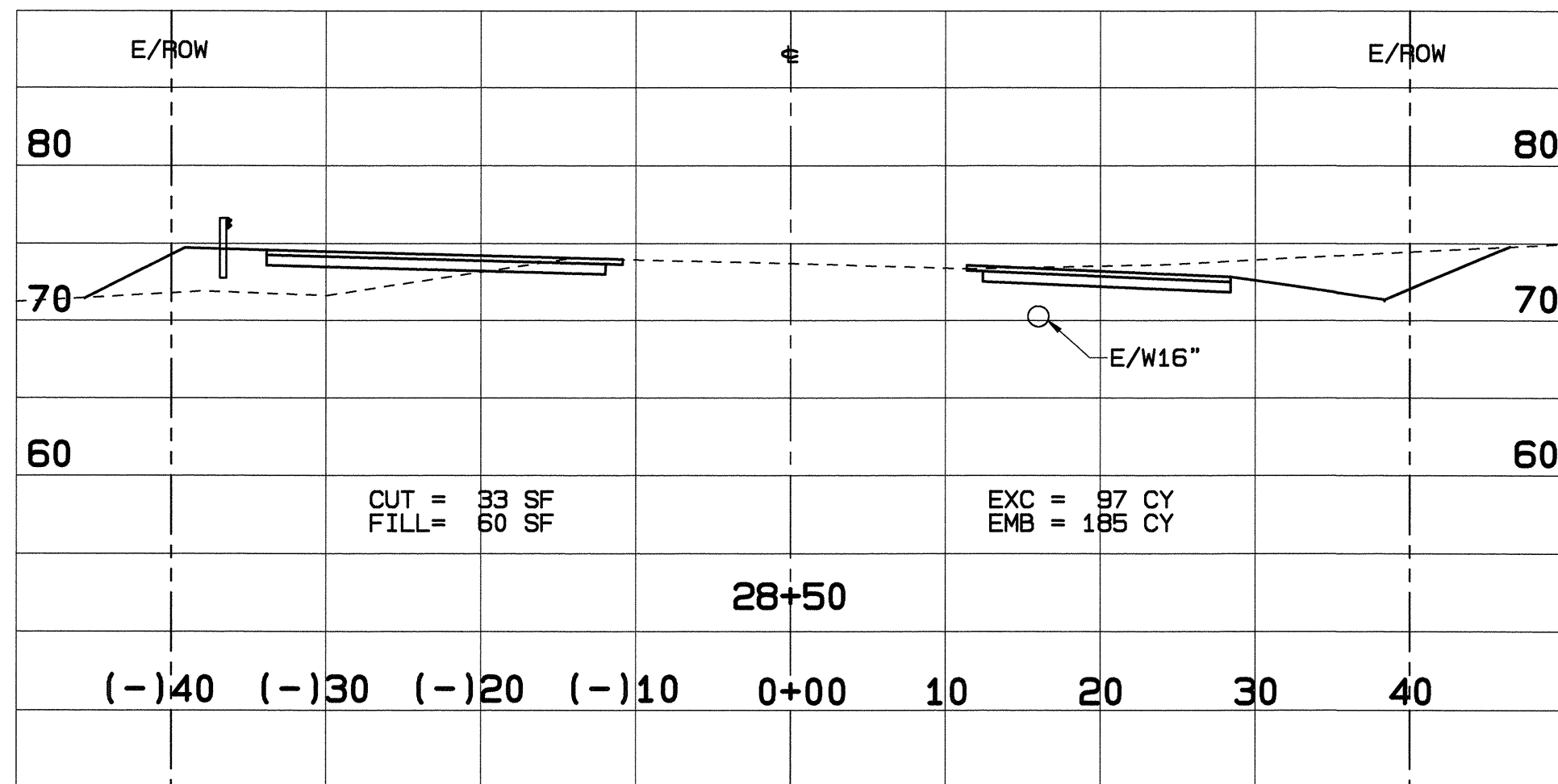
Client: **KM KONA PARTNERS**
PALACE TOWER SUITE 1400
1001 BISHOP STREET
HONOLULU, HAWAII, 96813
PHONE: 848-7722
FAX: 848-7728

MAKALAPUA
SIGNALIZED INTERSECTION AT QUEEN
KAAHUMANU HIGHWAY AND MAKALAPUA BLVD
CROSS SECTIONS
STA. 23+00 TO STA. 26+50

Designed By: RI, KT Drawn By: OL
Project No. 333.5000 Date: JAN. 1994

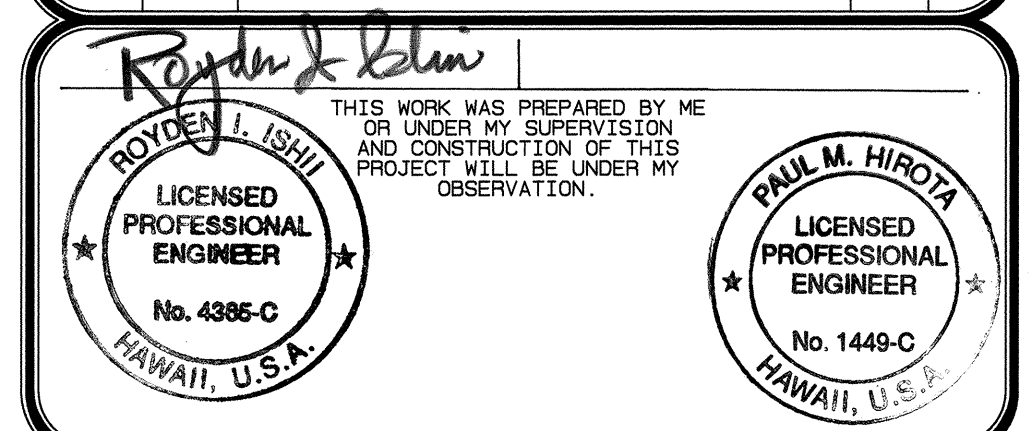
Approved By:

FILE	POCKET	FOLDER	NO.



SCALES: HORIZ. 1"=10'
VERT. 1"=10'

Rev	Date	Description	Eng	App



BELT COLLINS
H A W A I I
680 Ala Moana Blvd. First Floor Honolulu, Hawaii 96813
Phone: (808) 521-5361 Fax: (808) 538-7819
Consultant:

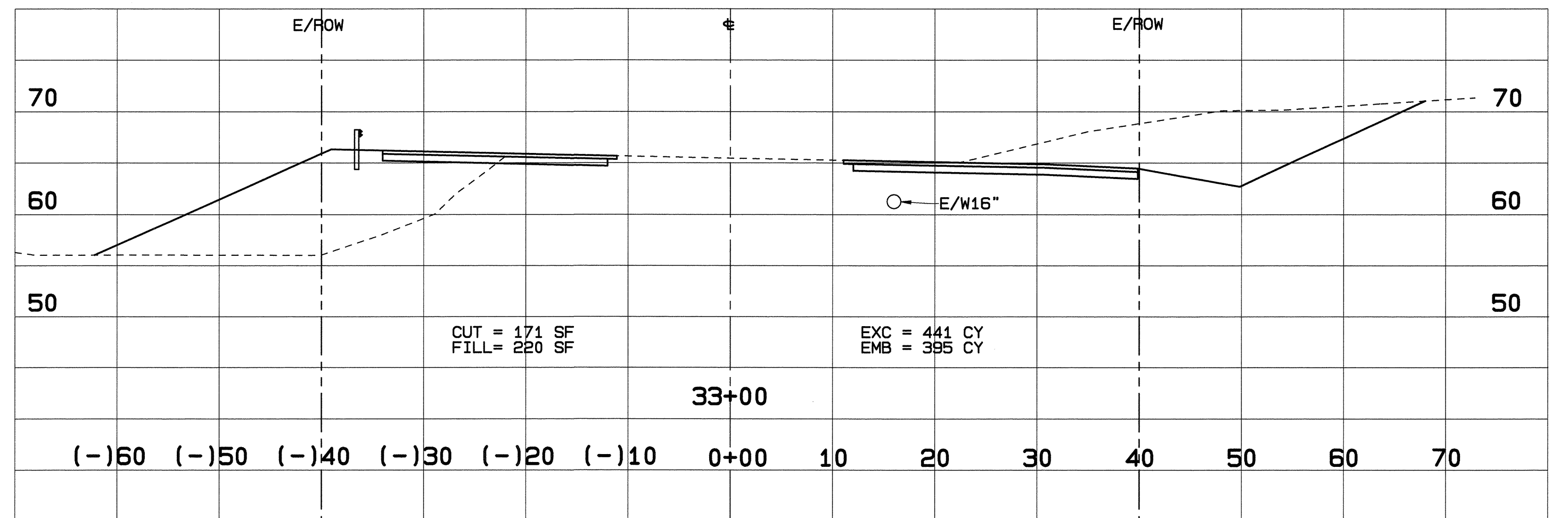
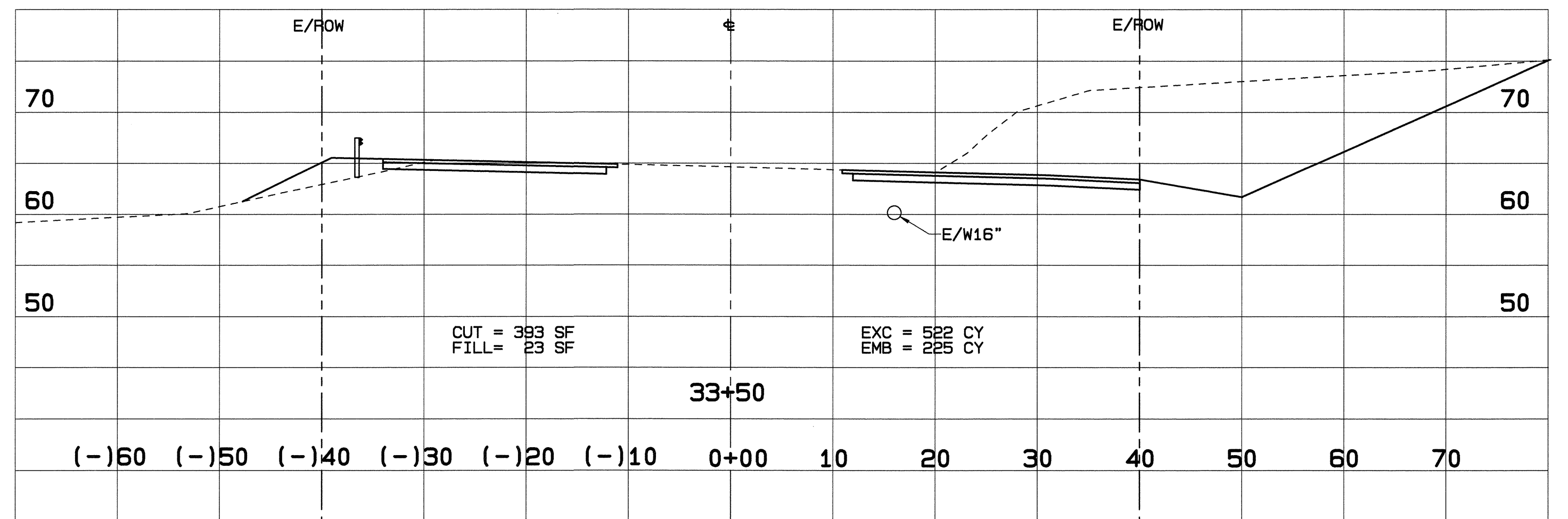
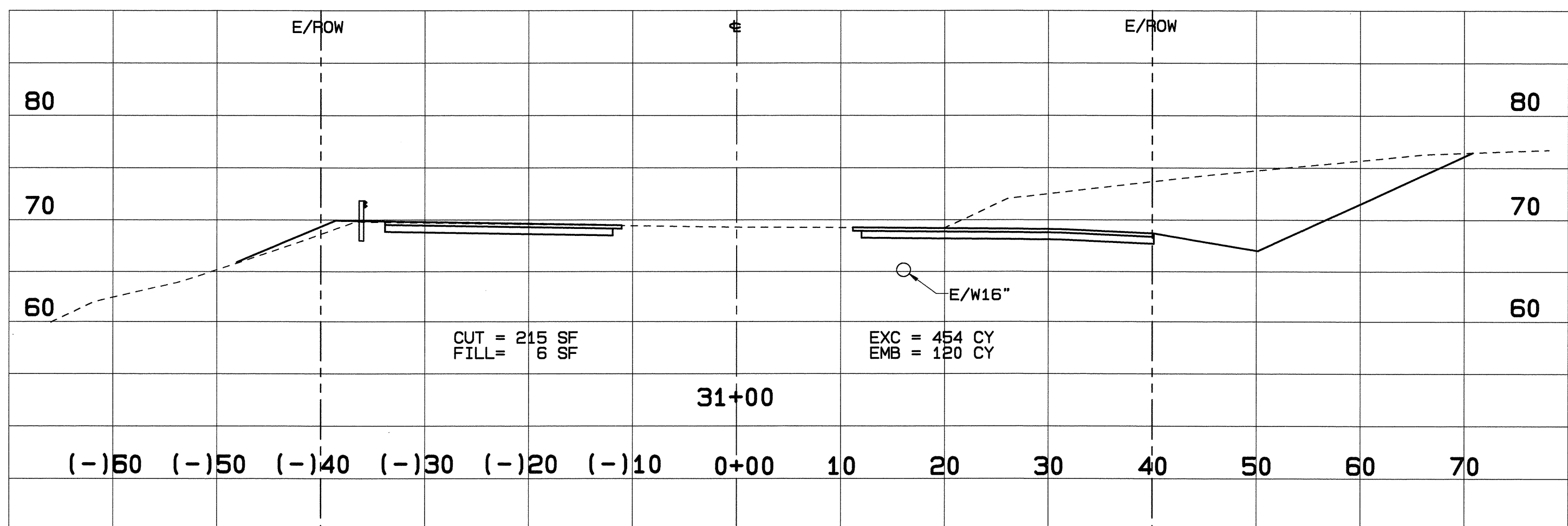
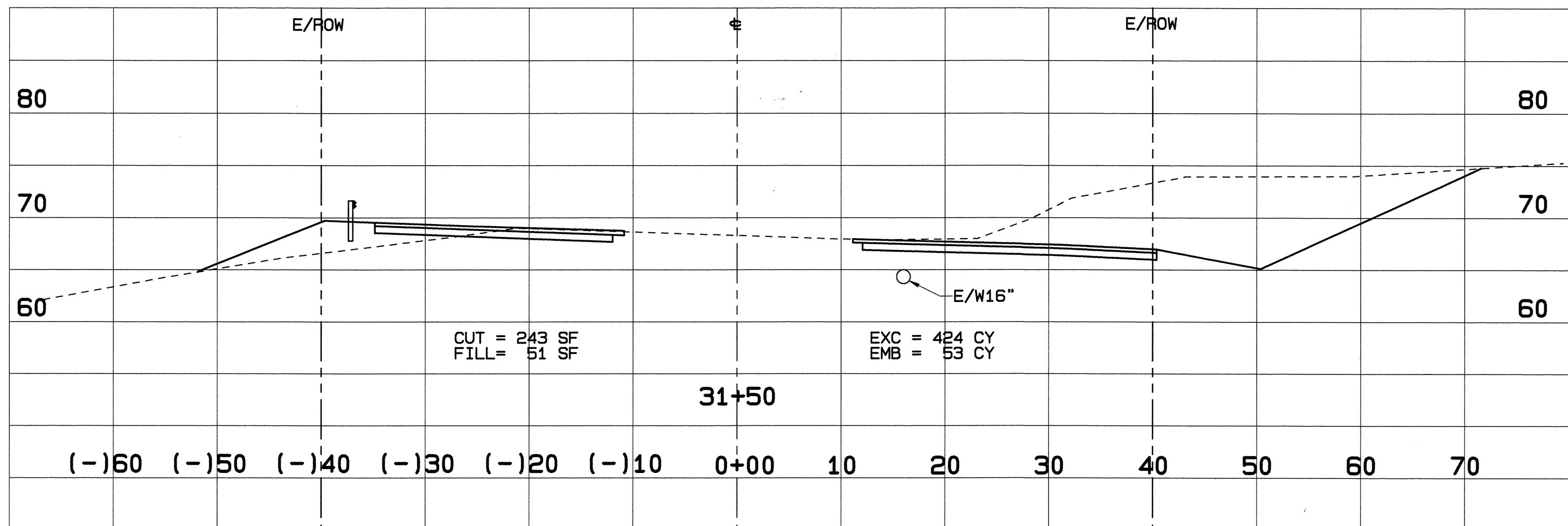
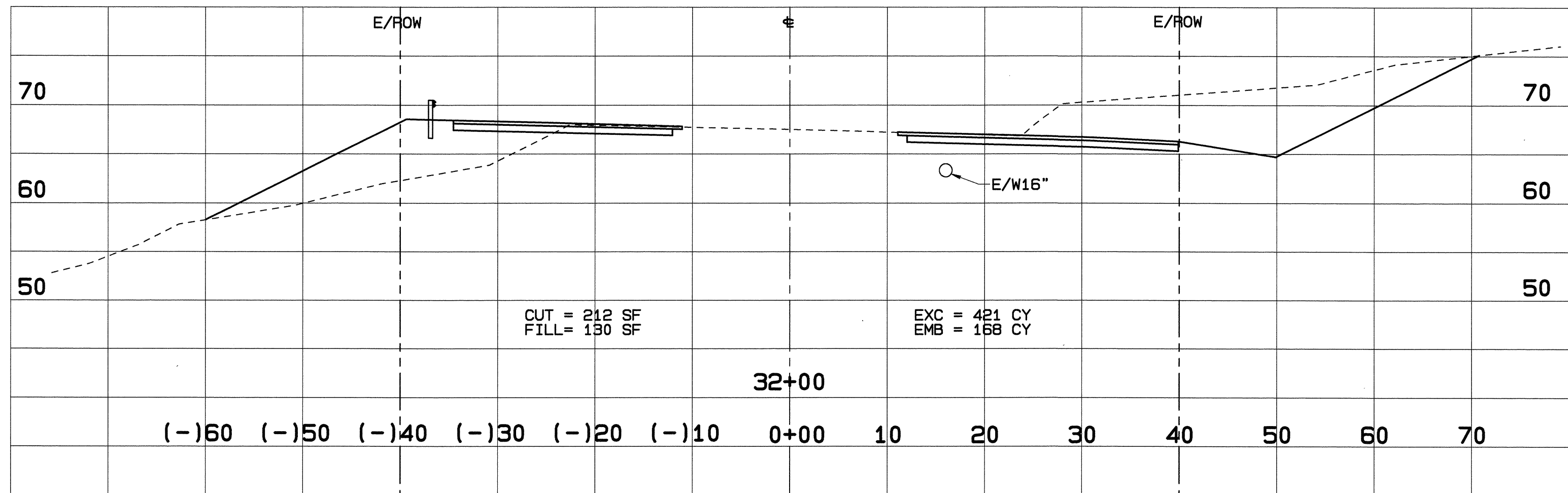
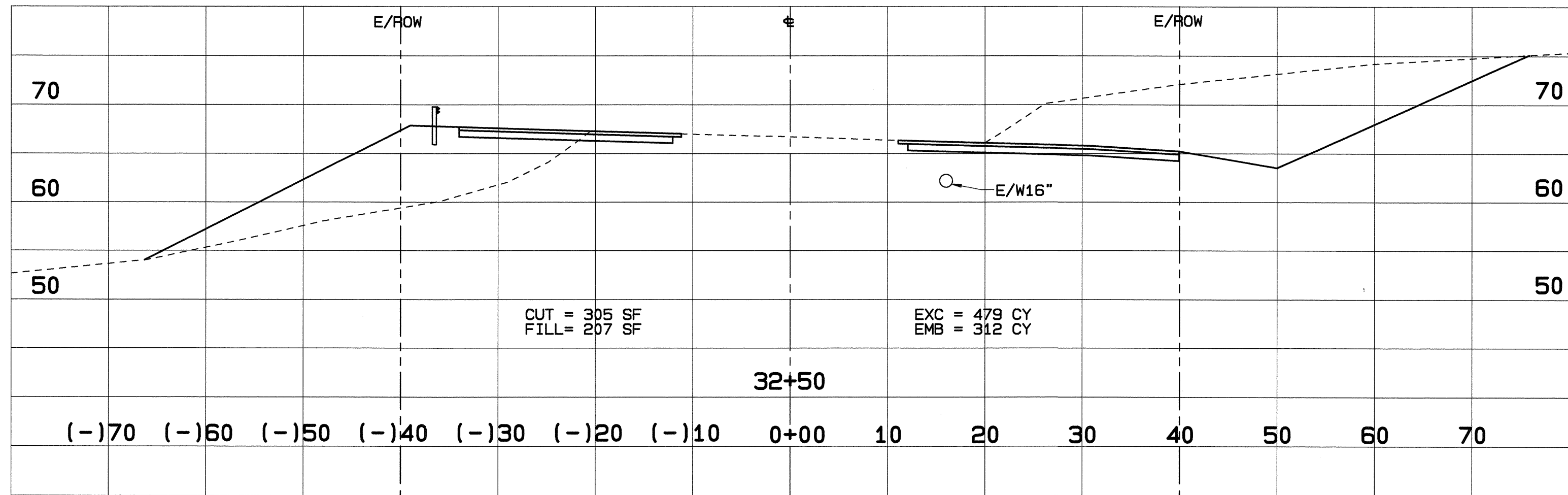
Client: **KM KONA PARTNERS**
PALAHU TOWER, SUITE 1400
1001 KALANANAKU AVENUE
HONOLULU, HAWAII 96813
PHONE: 808-772-2222
FAX: 808-772-2222

MAKALAPUA
SIGNALIZED INTERSECTION AT QUEEN
KAHUMANU HIGHWAY AND MAKALAPUA BLVD

CROSS SECTIONS
STA. 27+00 TO STA. 30+50

Designed By: RI, KT Drawn By: CR, EQ, JM
Project No. 333.5000 Date: JAN. 1994
Approved By:

FILE	POCKET	FOLDER	NO.



Rev	Date	Description	Eng	App

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

ROYDEN I. ISHII
LICENSED PROFESSIONAL ENGINEER
No. 4365-C
HAWAII, U.S.A.

PAUL M. HIROTA
LICENSED PROFESSIONAL ENGINEER
No. 1449-C
HAWAII, U.S.A.

BELT COLLINS
H A W A I I
680 Ala Moana Blvd. First Floor Honolulu, Hawaii 96813
Phone: (808) 521-5361 Fax: (808) 538-7819

ENGINEERING
PLANNING
LANDSCAPE
ARCHITECTURE
ENVIRONMENTAL
CONSULTING

Client: **KM KONA PARTNERS**
PALAHU TOWER SUITE 4400
800 BISHOP STREET
HONOLULU, HAWAII 96813
PHONE: 808-772-2222
FAX: 808-772-2222

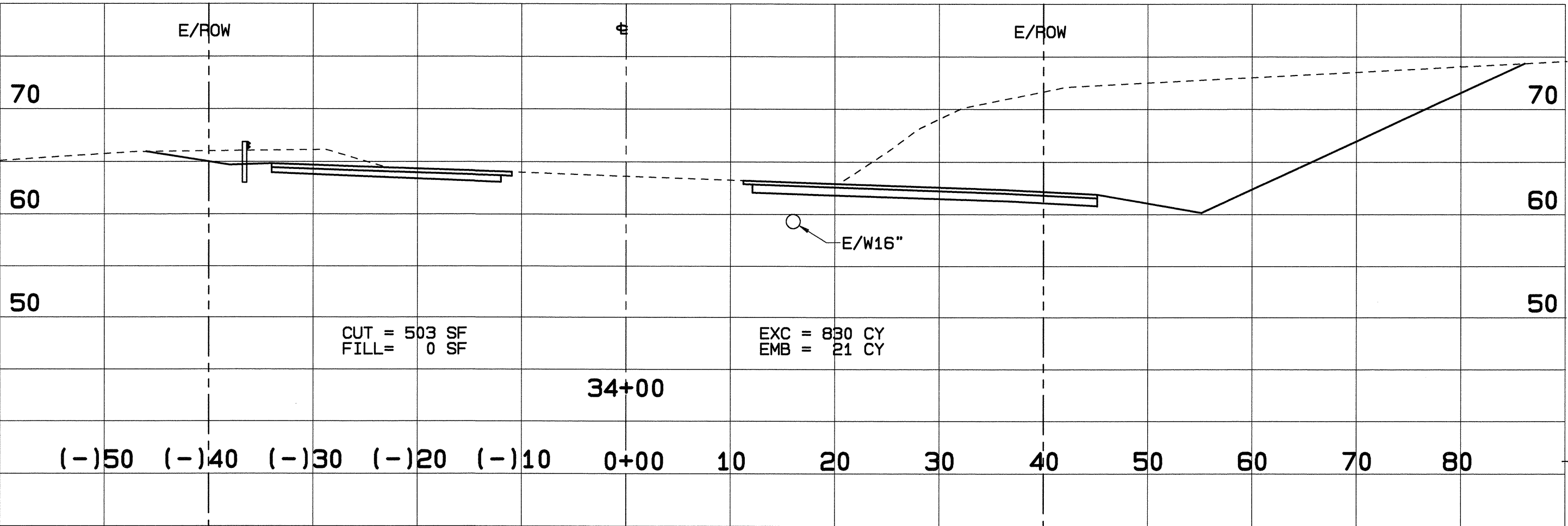
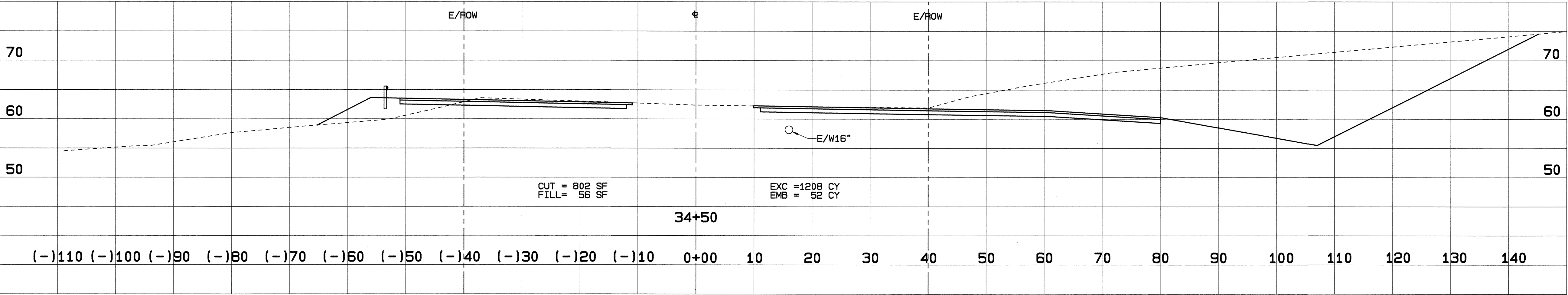
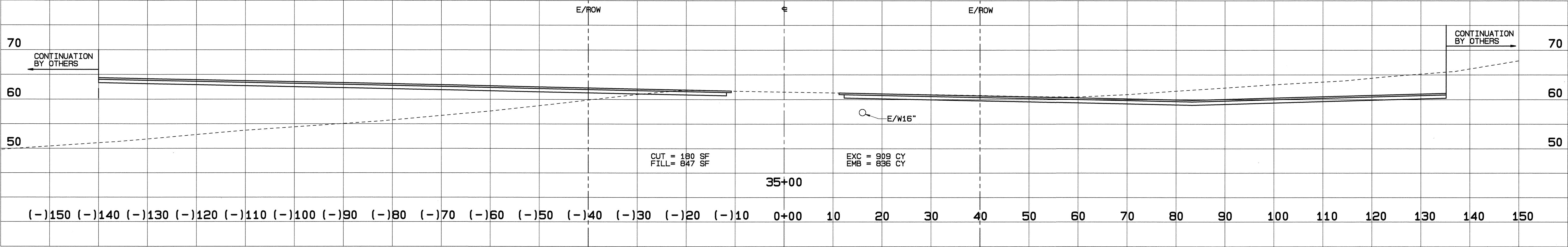
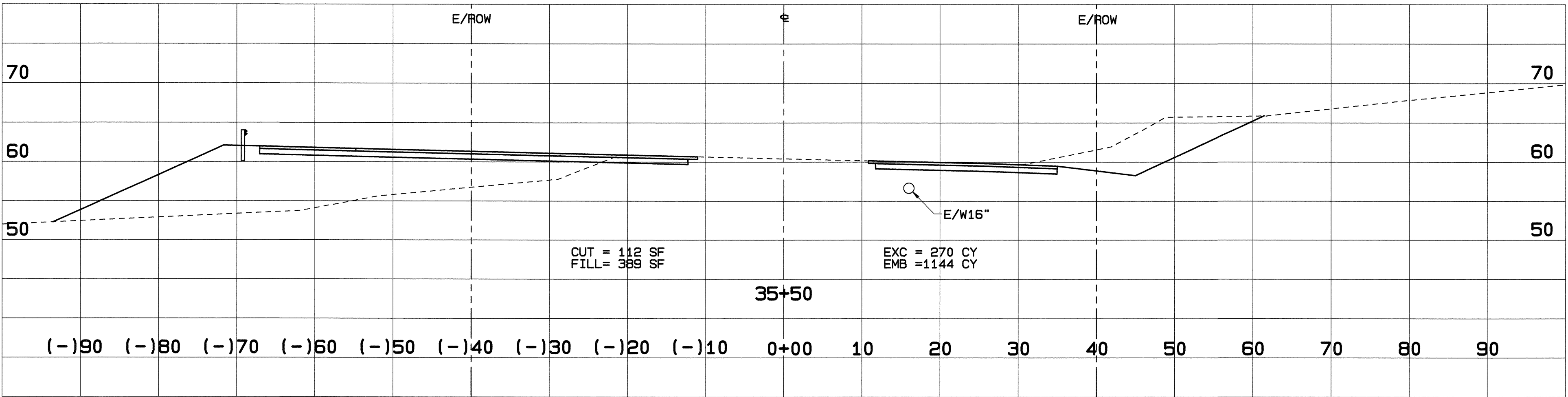
MAKALAPUA
SIGNALIZED INTERSECTION AT QUEEN
KAAHUMANU HIGHWAY AND MAKALAPUA BLVD
CROSS SECTIONS
STA. 31+00 TO STA. 33+50

Designed By: **RI, KT** Drawn By: **OL**
Project No. **333.5000** Date: **JAN. 1994**
Approved By: _____

SCALES: HORIZ. 1"=10'
VERT. 1"=10'

FILE	POCKET	FOLDER	NO.

\\user\projects\333.5000.D\A_INT\C-23



SCALES: HORIZ. 1"=10'
VERT. 1"=10'

Rev	Date	Description	Eng	App

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

ROYDEN L. ISHII
LICENSED PROFESSIONAL ENGINEER
No. 4365-C
HAWAII, U.S.A.

PAUL M. HIROTA
LICENSED PROFESSIONAL ENGINEER
No. 1449-C
HAWAII, U.S.A.

BELT COLLINS
H A W A I I
680 Ala Moana Blvd. First Floor Honolulu, Hawaii 96813
Phone: (808) 521-5361 Fax: (808) 538-7819
Consultant:

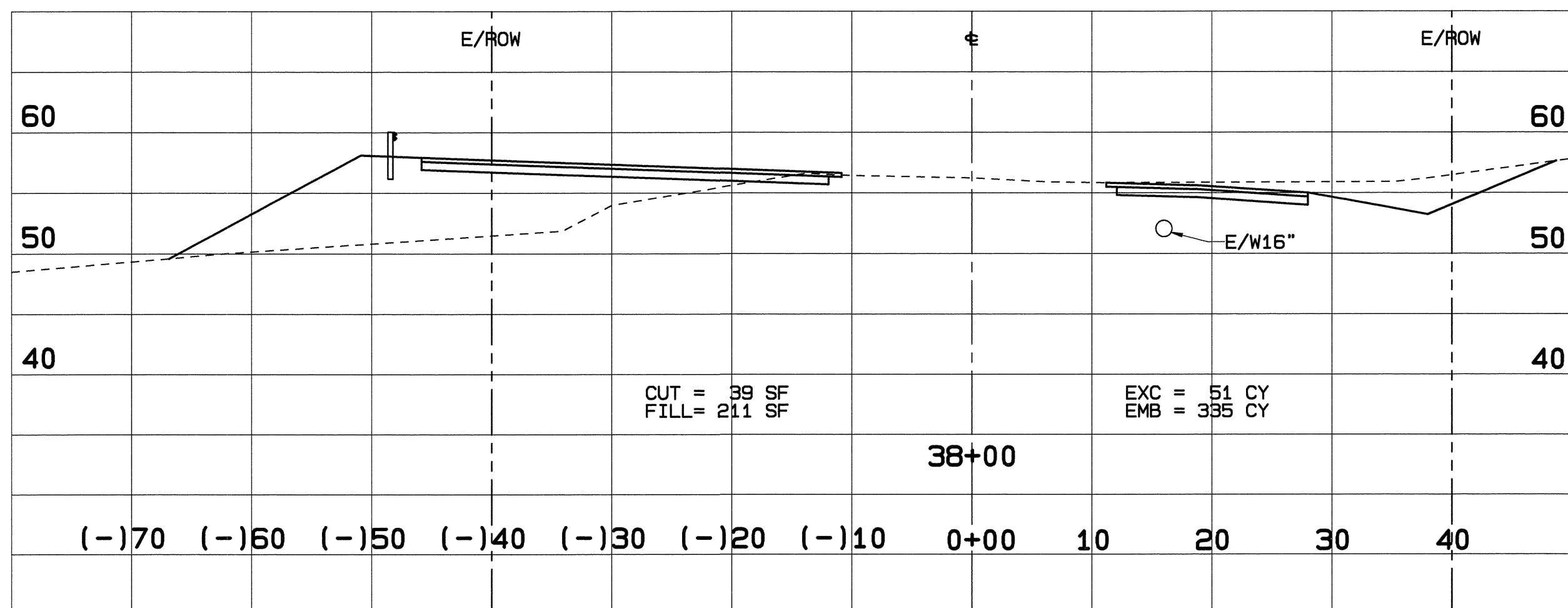
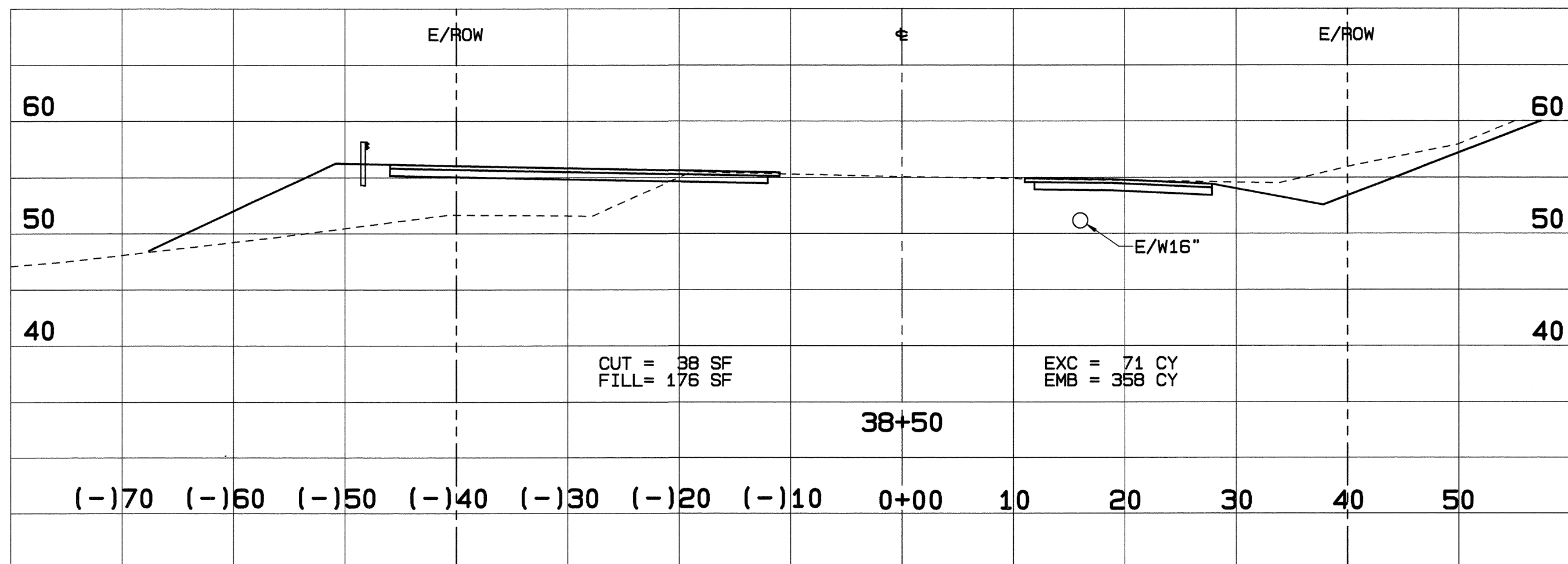
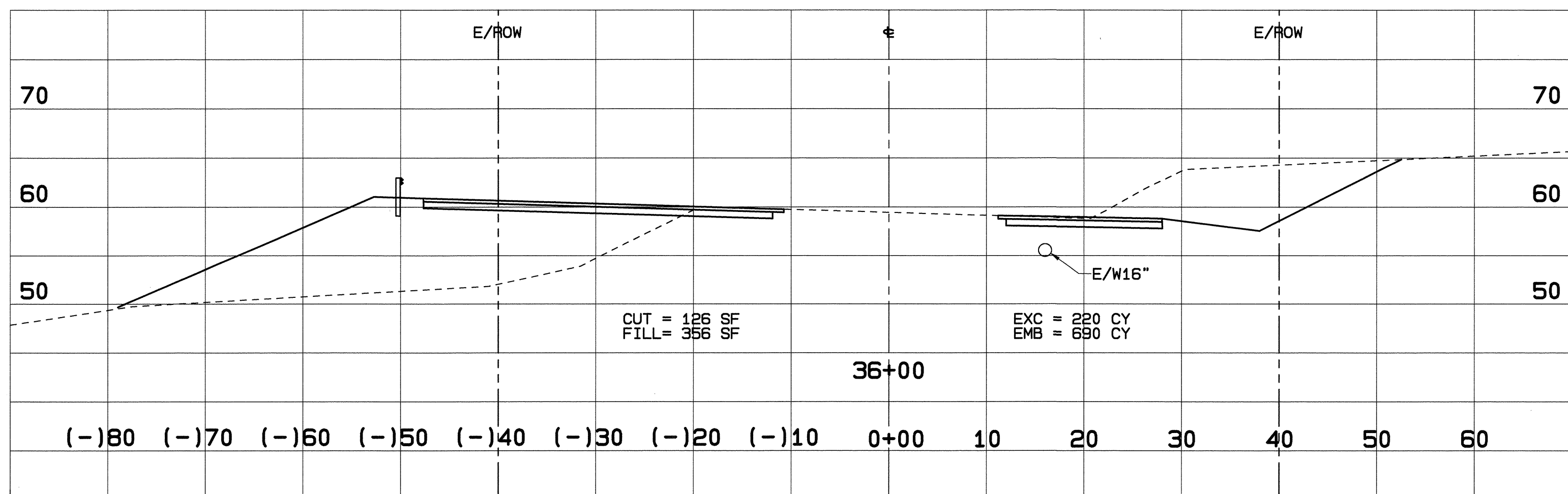
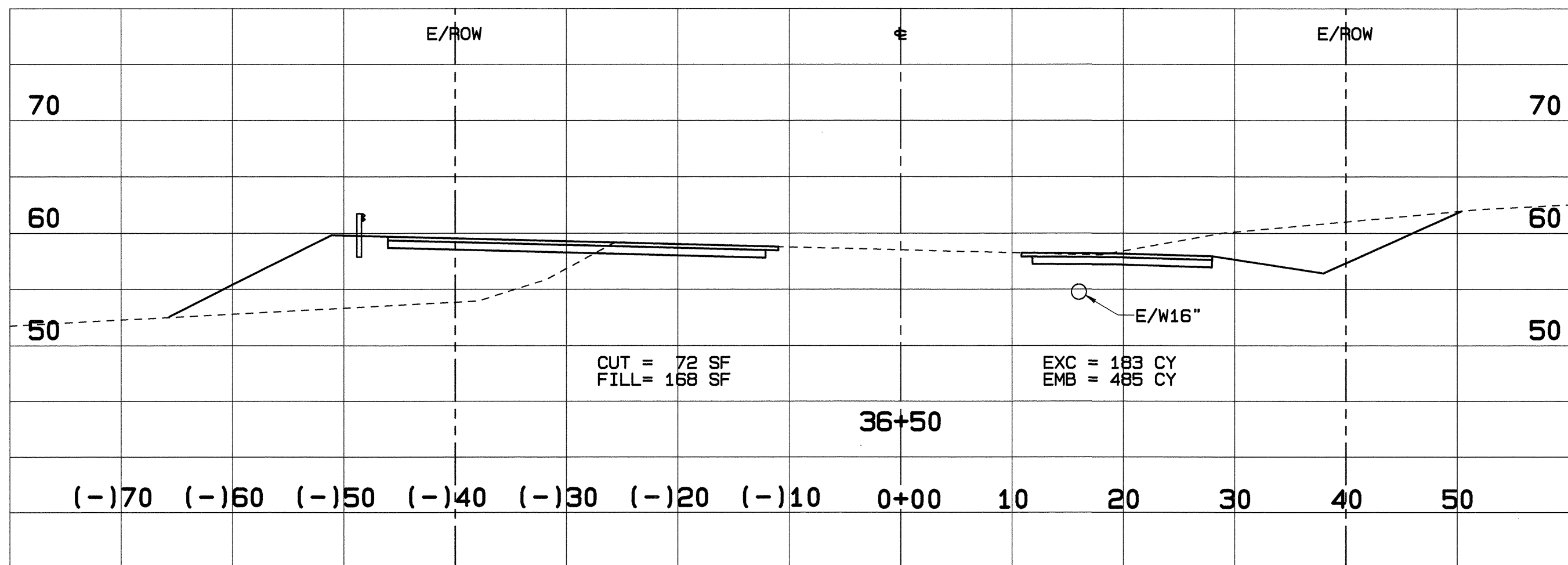
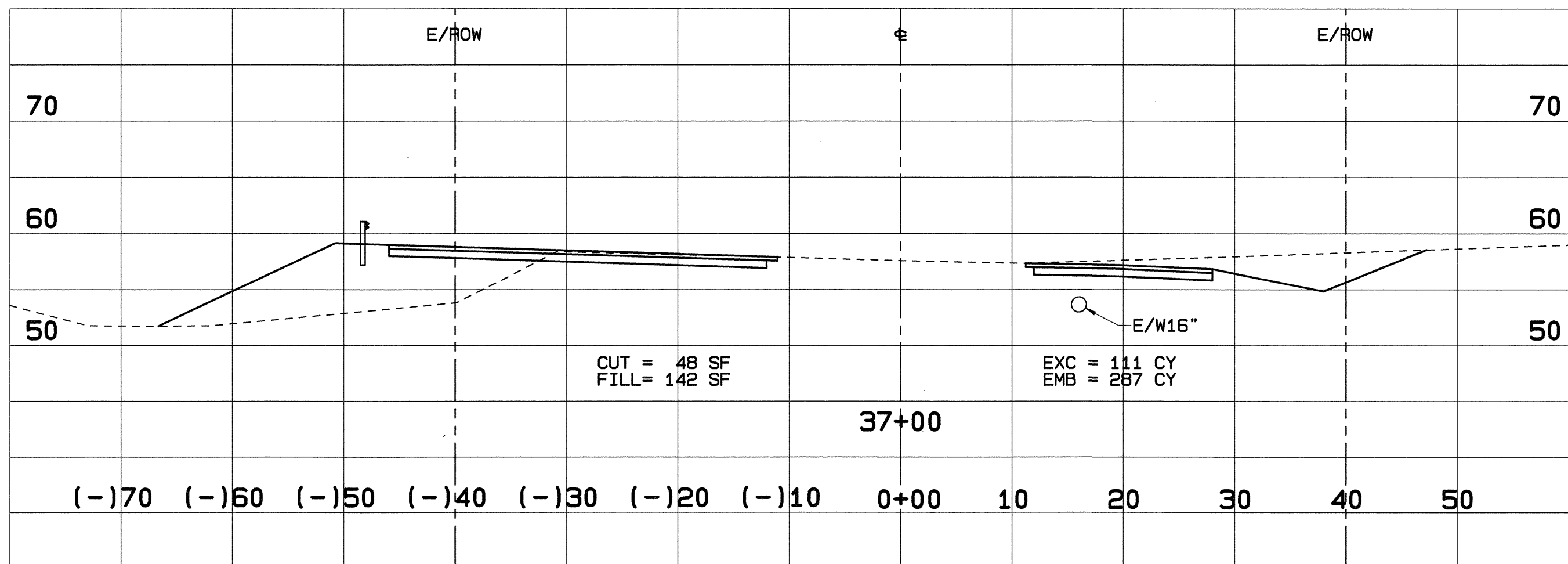
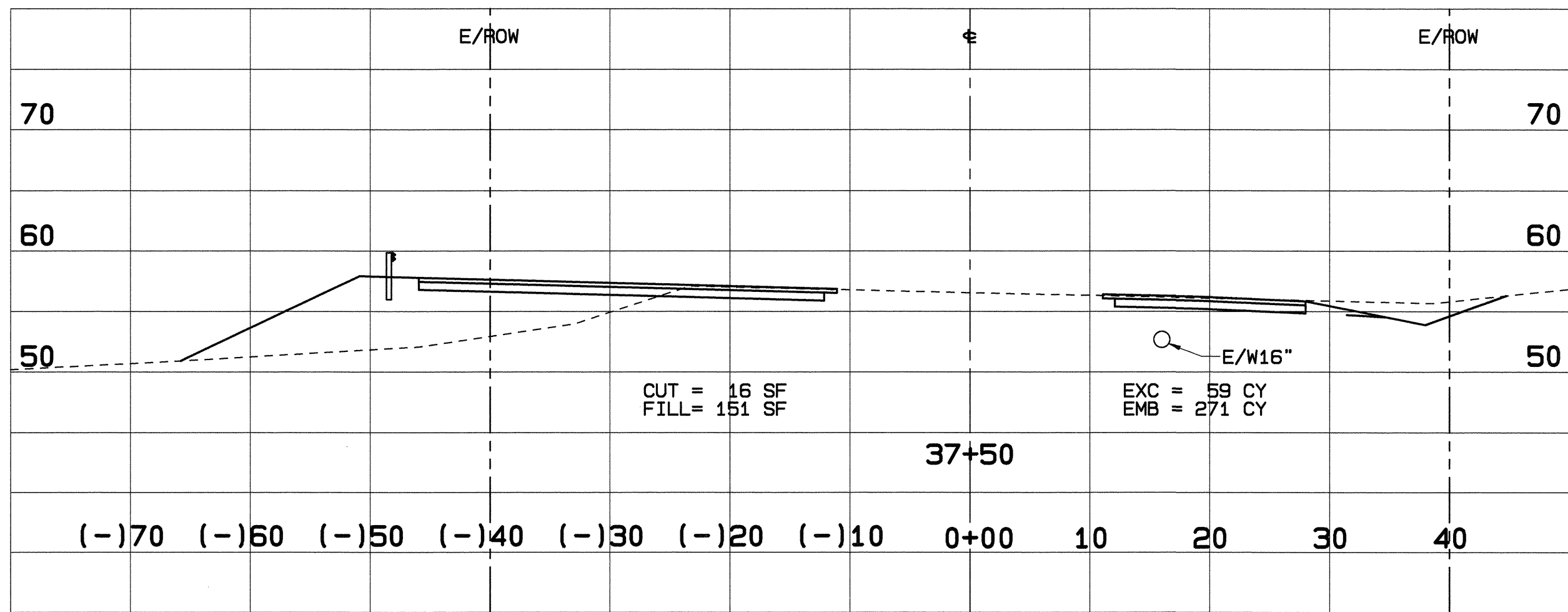
ENGINEERING
PLANNING
LANDSCAPE
ARCHITECTURE
ENVIRONMENTAL
CONSULTING

Client: **KM KONA PARTNERS**
PALAHIA TOWER, SUITE 1410
1005 KIMUNA STREET
HONOLULU, HAWAII 96813
PHONE: 845-7788
FAX: 845-7788

MAKALAPUA
SIGNALIZED INTERSECTION AT QUEEN
KAAHUMANU HIGHWAY AND MAKALAPUA BLVD
CROSS SECTIONS
STA. 34+00 TO STA. 35+50

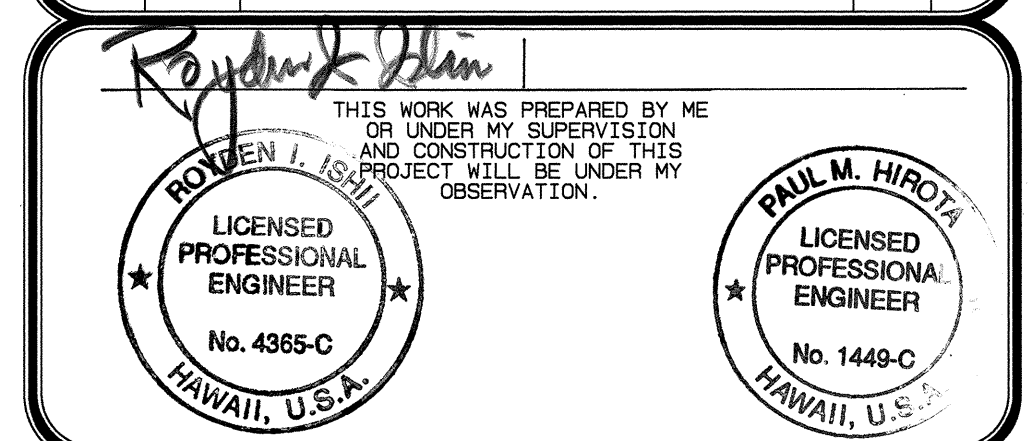
Designed By: **RI, KT** Drawn By: **OL**
Project No. **333.5000** Date: **JAN. 1994**
Approved By: _____

FILE	POCKET	FOLDER	NO.



SCALES: HORIZ. 1"=10'
VERT. 1"=10'

Rev	Date	Description	Eng	App



BELT COLLINS
H A W A I I
680 Ala Moana Blvd. First Floor Honolulu, Hawaii 96813
Phone: (808) 521-5361 Fax: (808) 538-7819
Consultant:

Client: **KM KONA PARTNERS**
PALAH TOWER, SUITE 1410
1001 KIHUNA STREET
KONA, HAWAII, 98741
PHONE: 808-277-8888
FAX: 808-277-8888

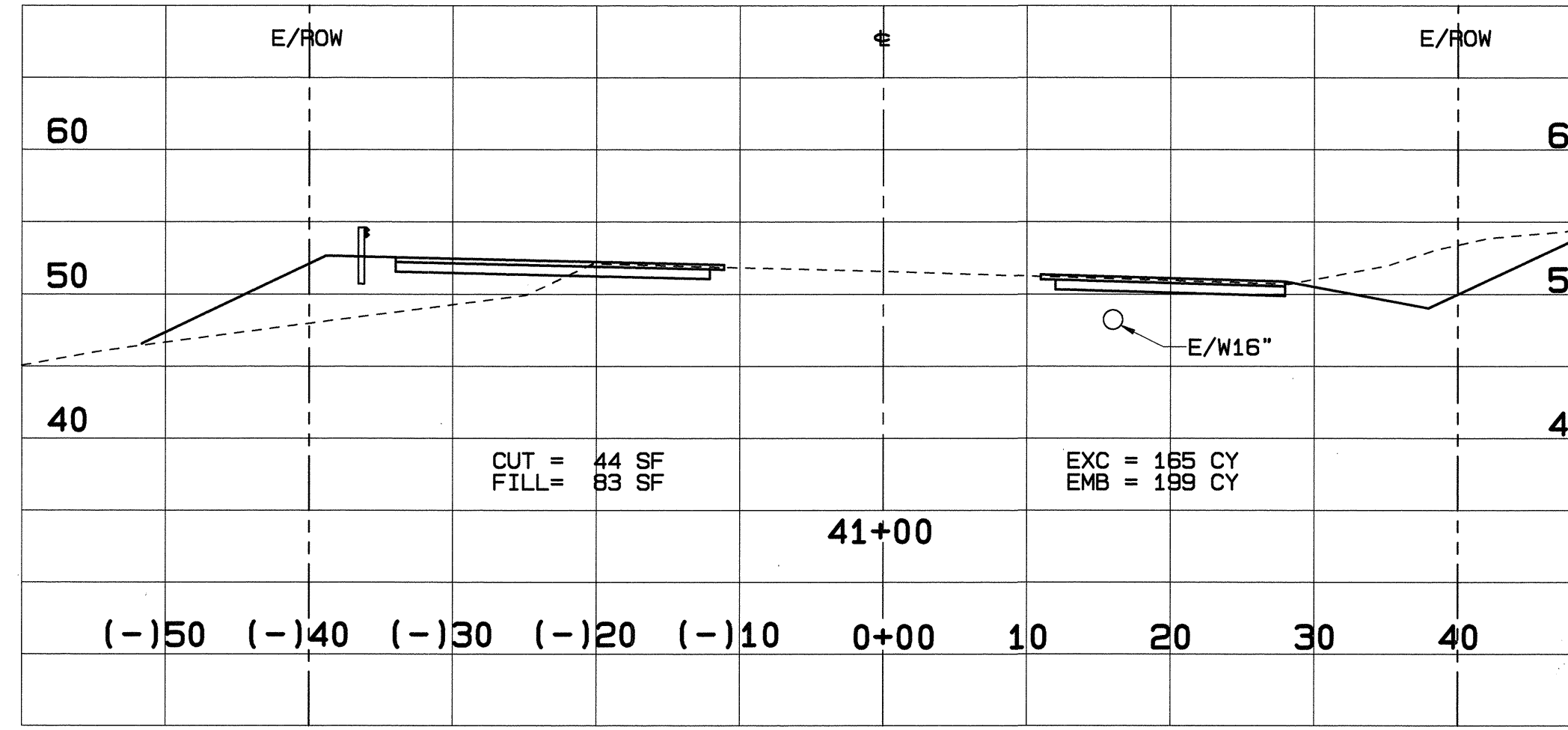
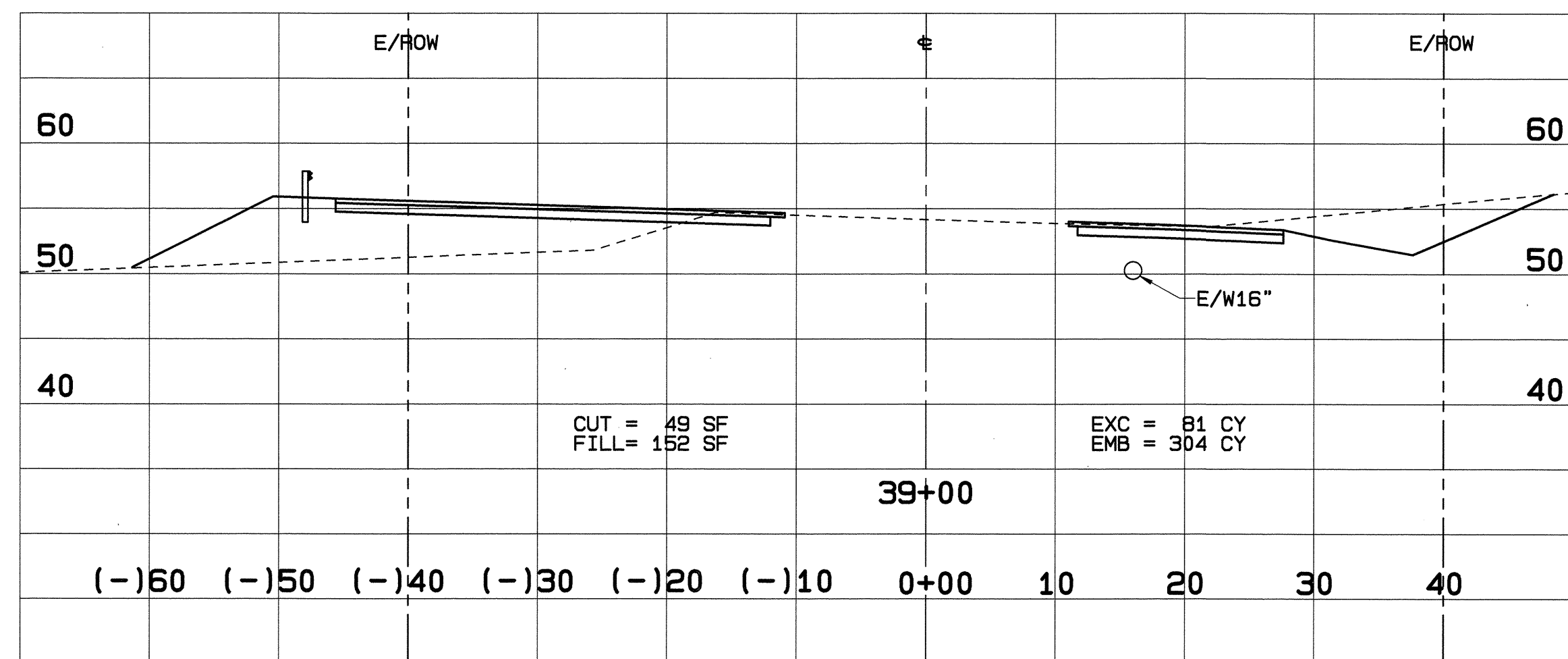
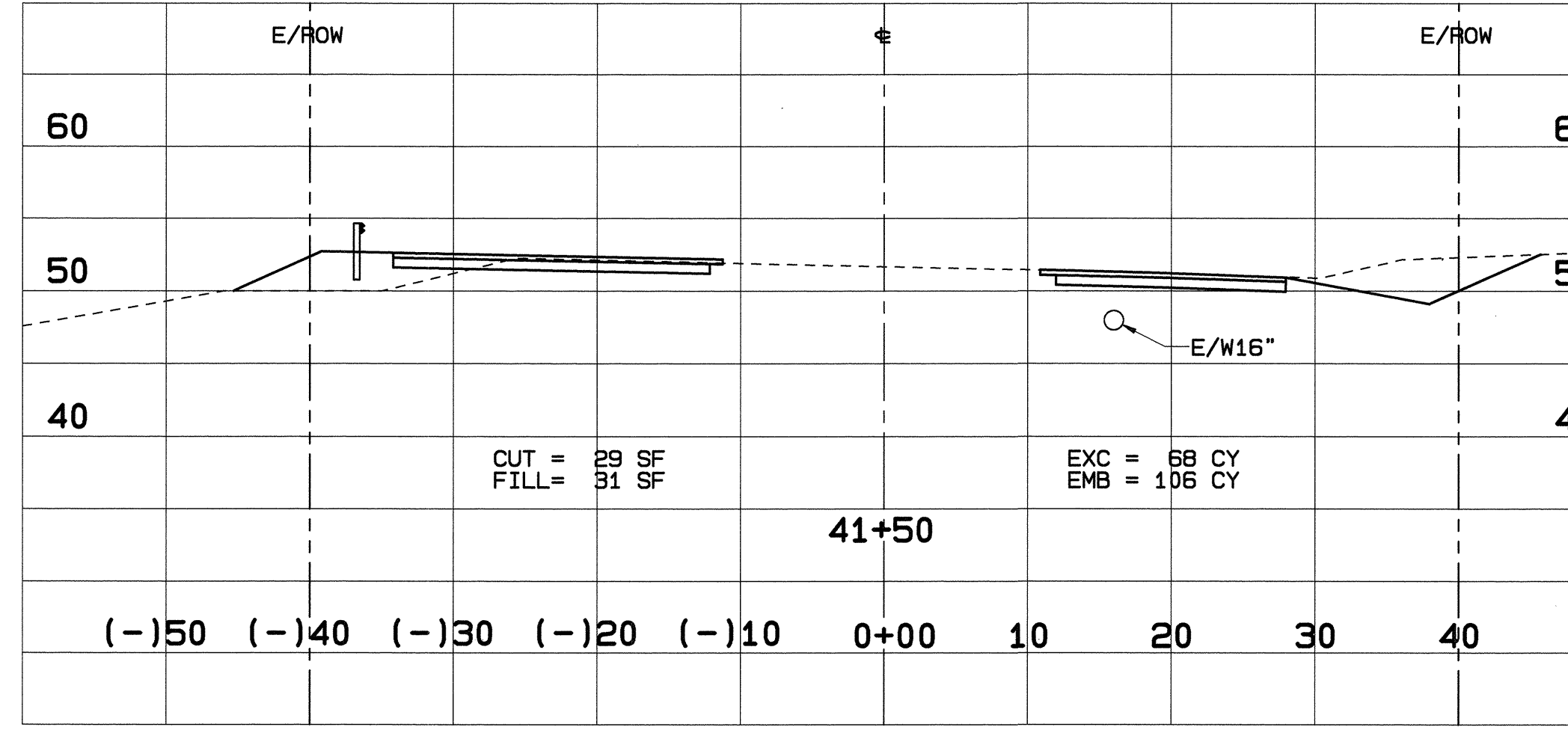
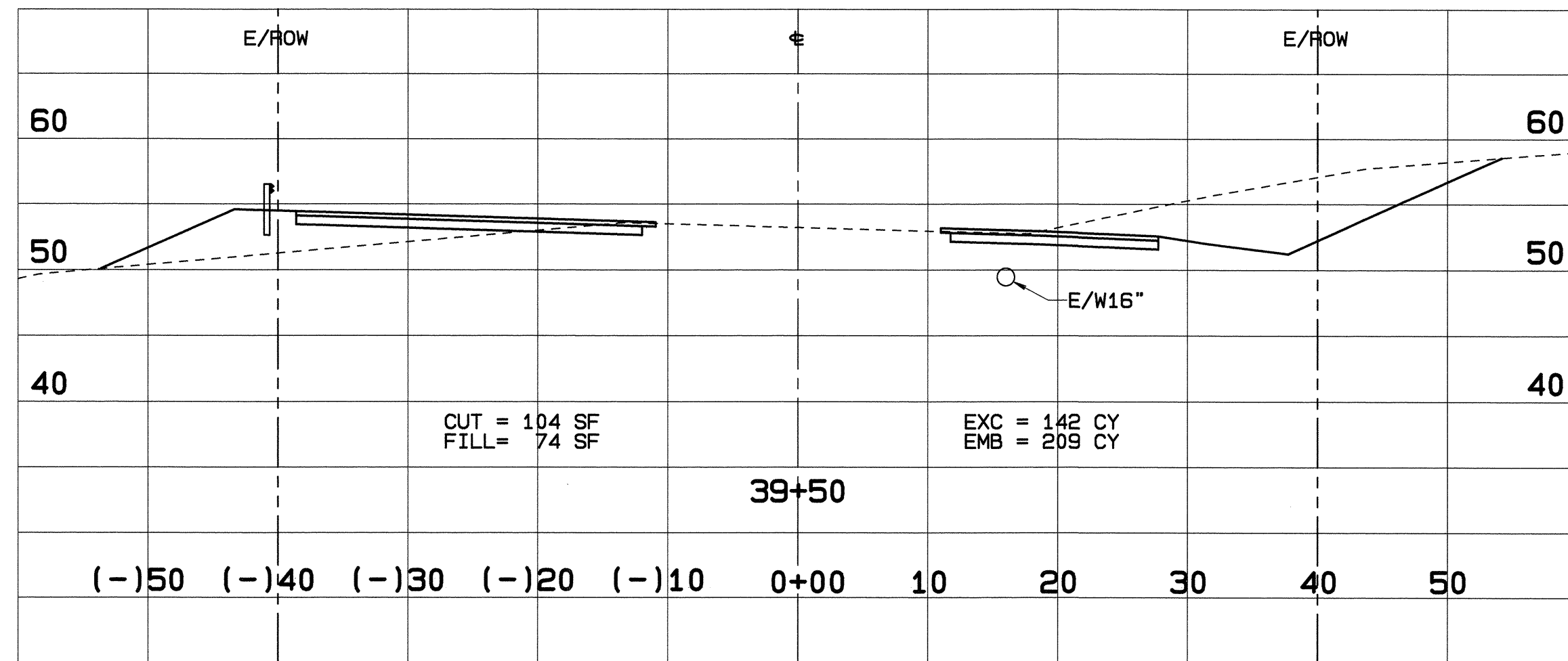
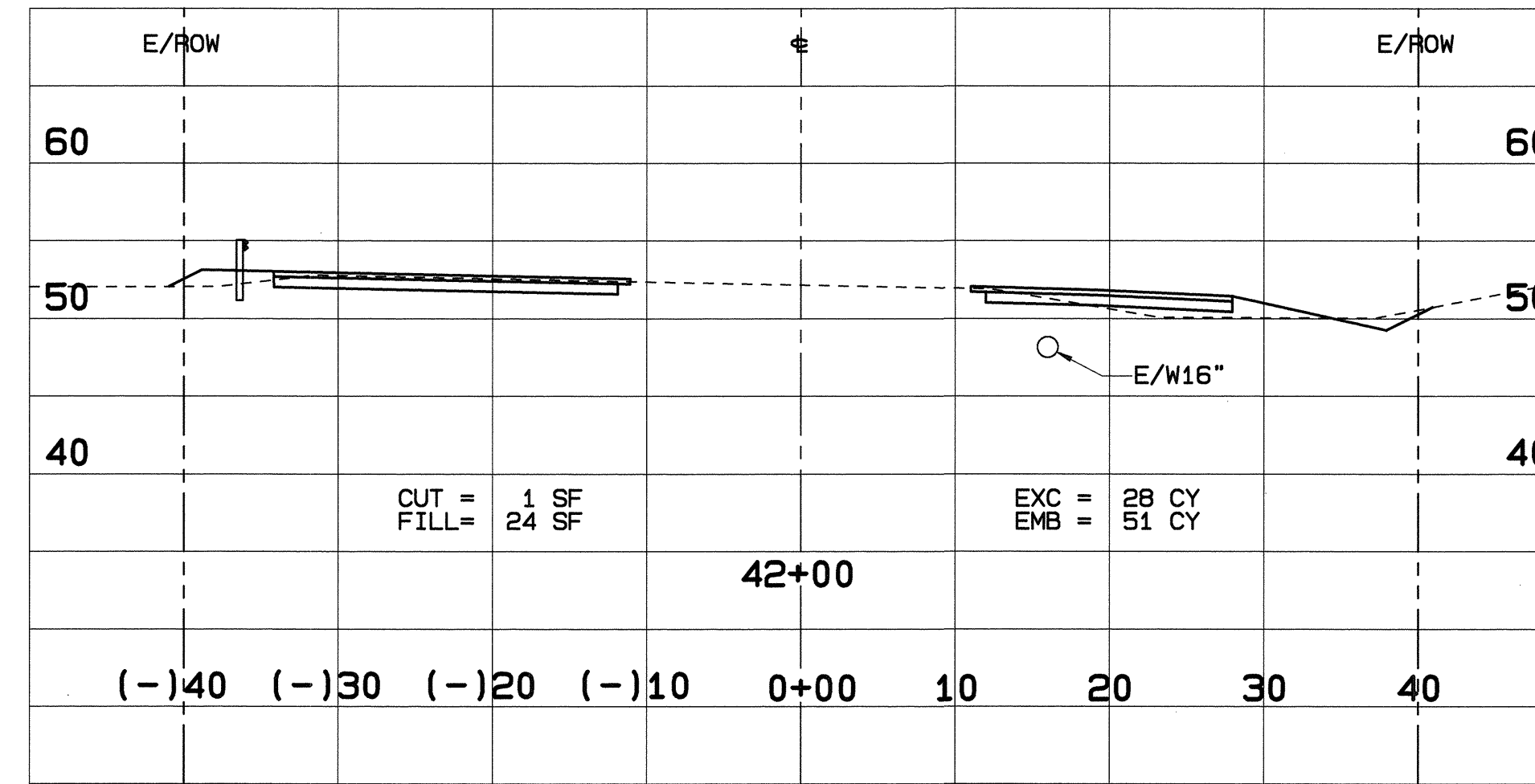
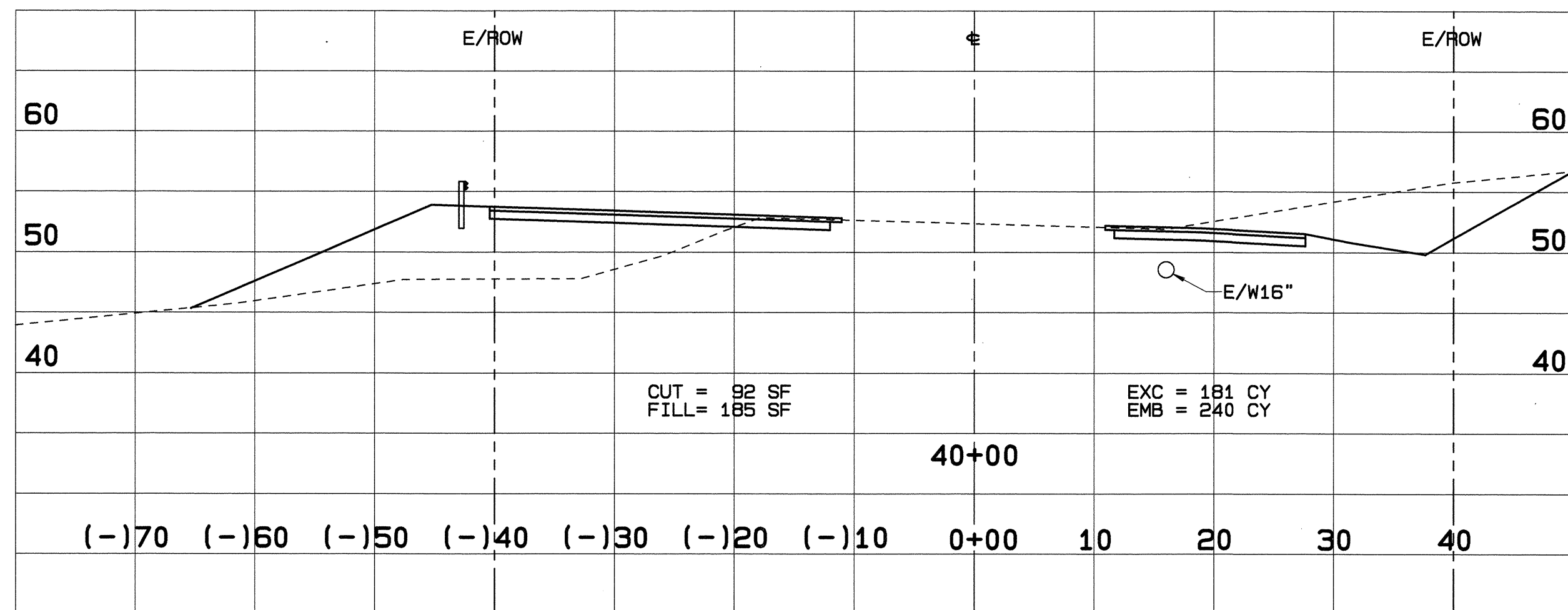
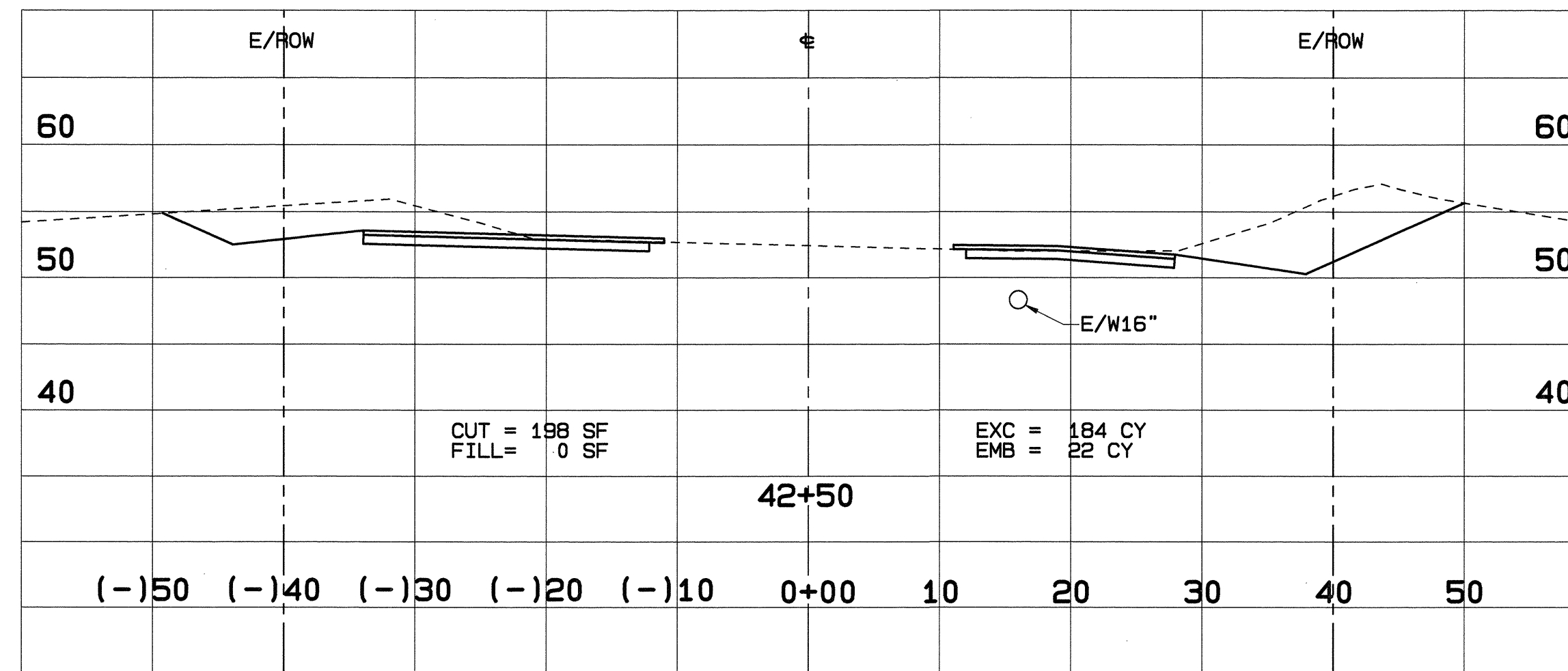
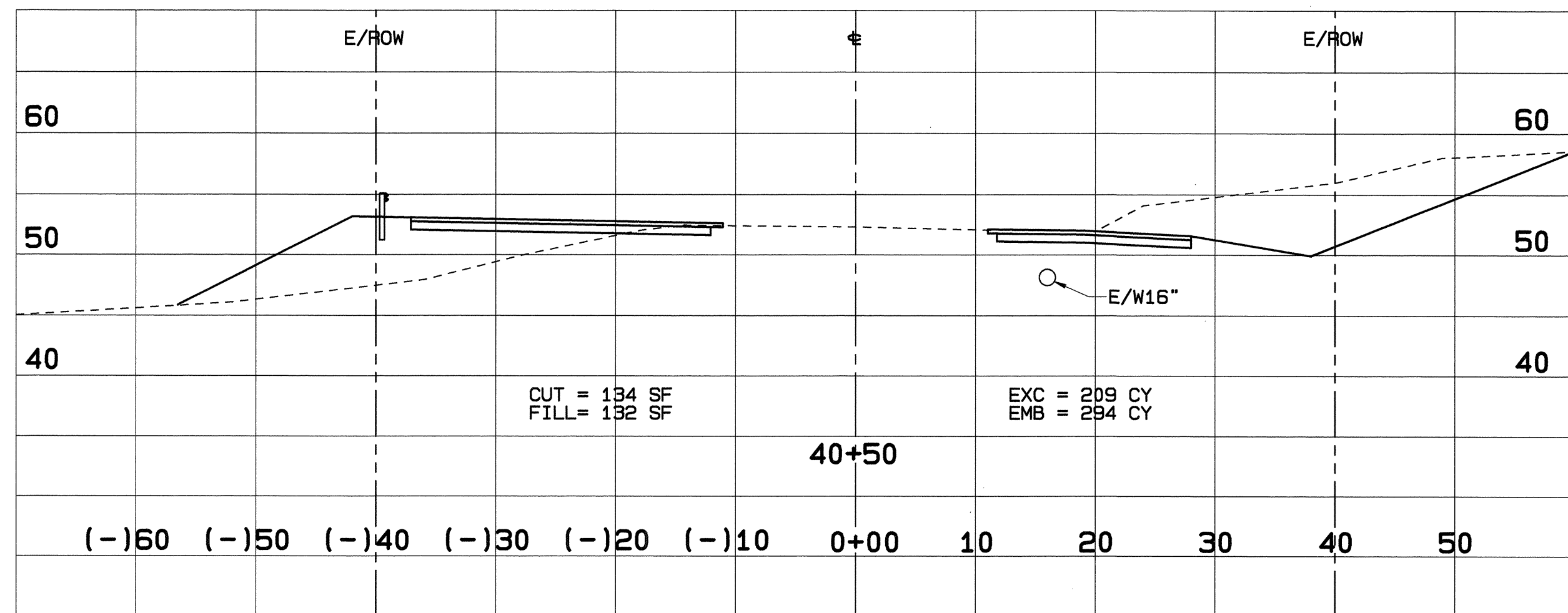
MAKALAPUA
SIGNALIZED INTERSECTION AT QUEEN
KAAHUMANU HIGHWAY AND MAKALAPUA BLVD

CROSS SECTIONS
STA. 36+00 TO STA. 38+50

Designed By: RI, KT Drawn By: CR, EQ, JM
Project No. 333.5000 Date: JAN. 1994

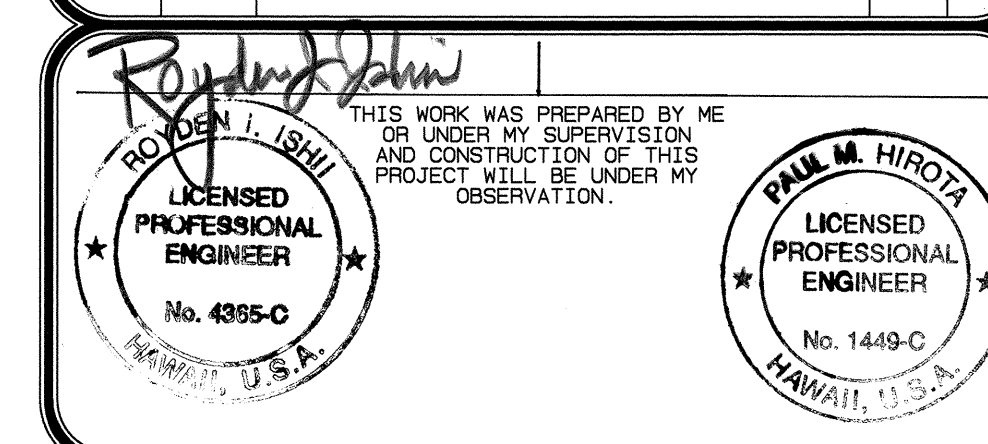
Approved By:

FILE	POCKET	FOLDER	NO.



SCALES: HORIZ. 1"=10'
VERT. 1"=10'

Rev	Date	Description	Eng	App



BELT COLLINS ENGINEERING PLANNING LANDSCAPE ARCHITECTURE ENVIRONMENTAL CONSULTING

680 Ala Moana Blvd. First Floor Honolulu, Hawaii 96813
Phone: (808) 521-5361 Fax: (808) 539-7819

Client: **KM KONA PARTNERS**
KALANAN KONA, SUITE 500
1001 KALANAN STREET
HONOLULU, HAWAII 96813
PHONE: 808-521-5361
FAX: 808-539-7819

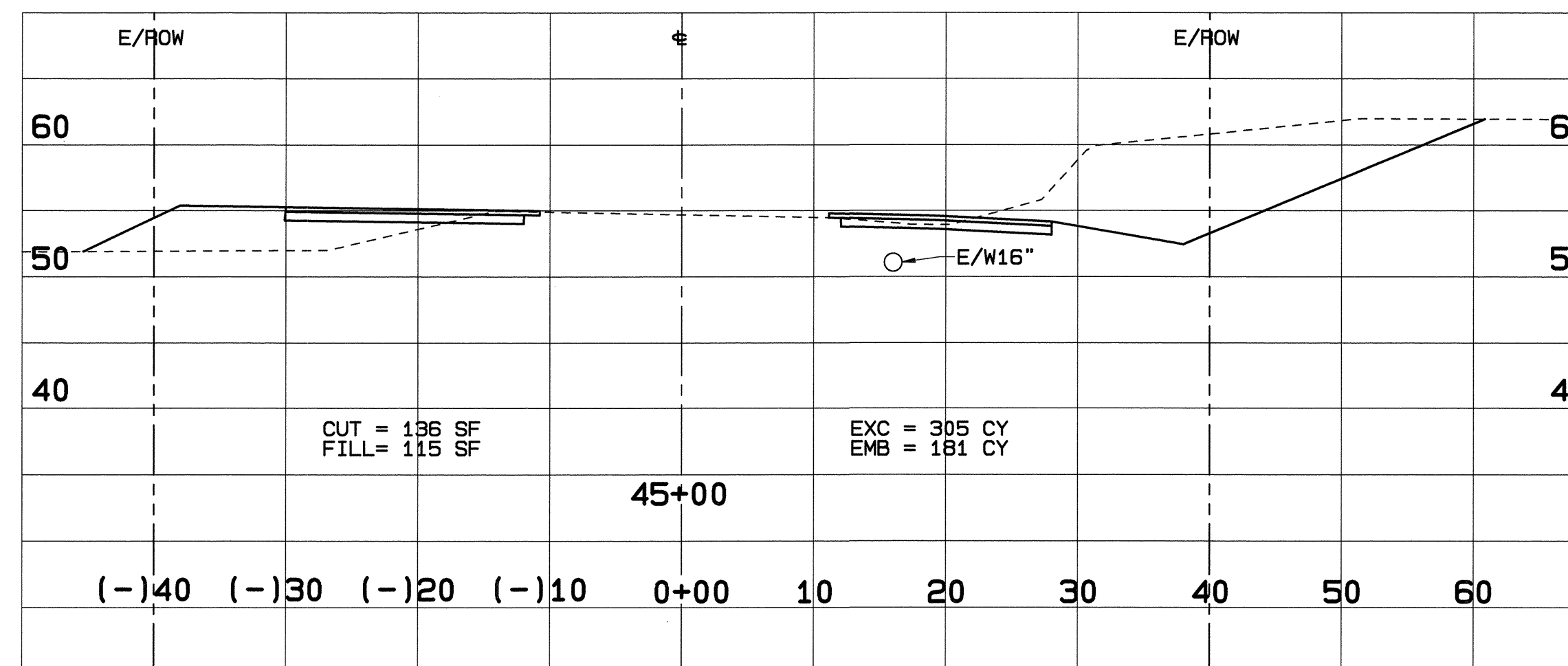
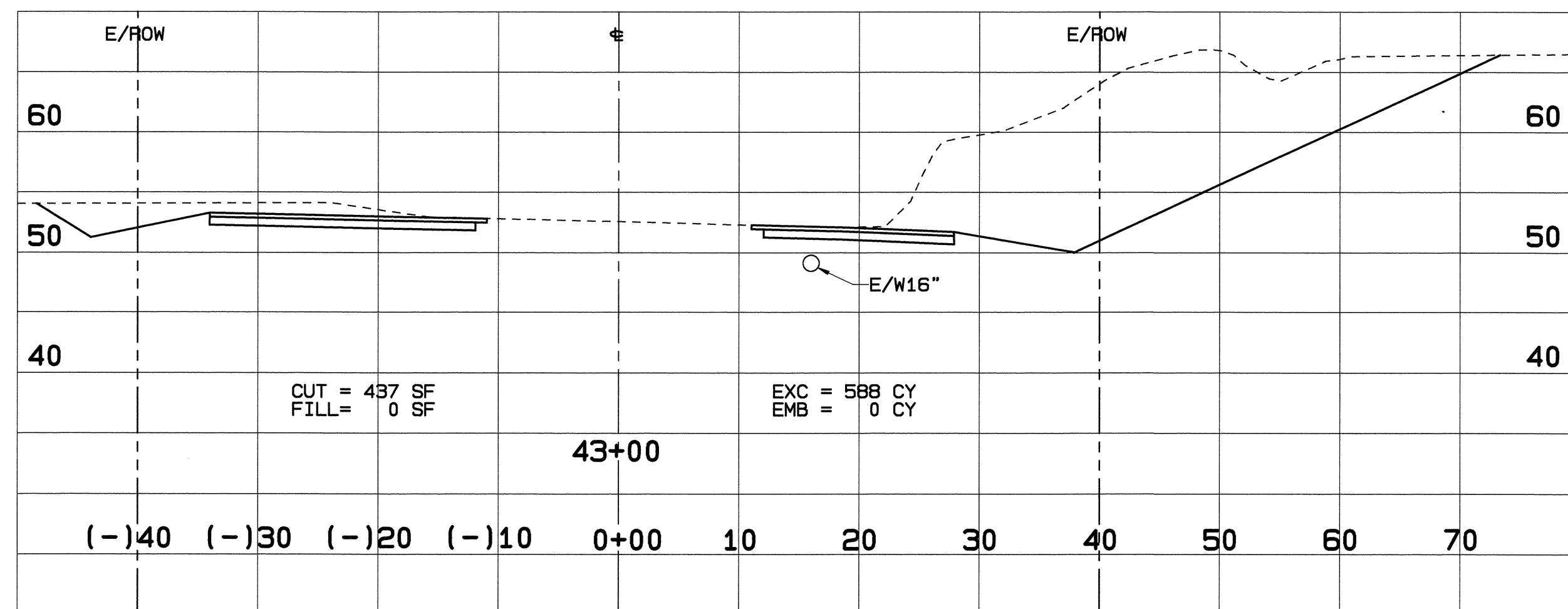
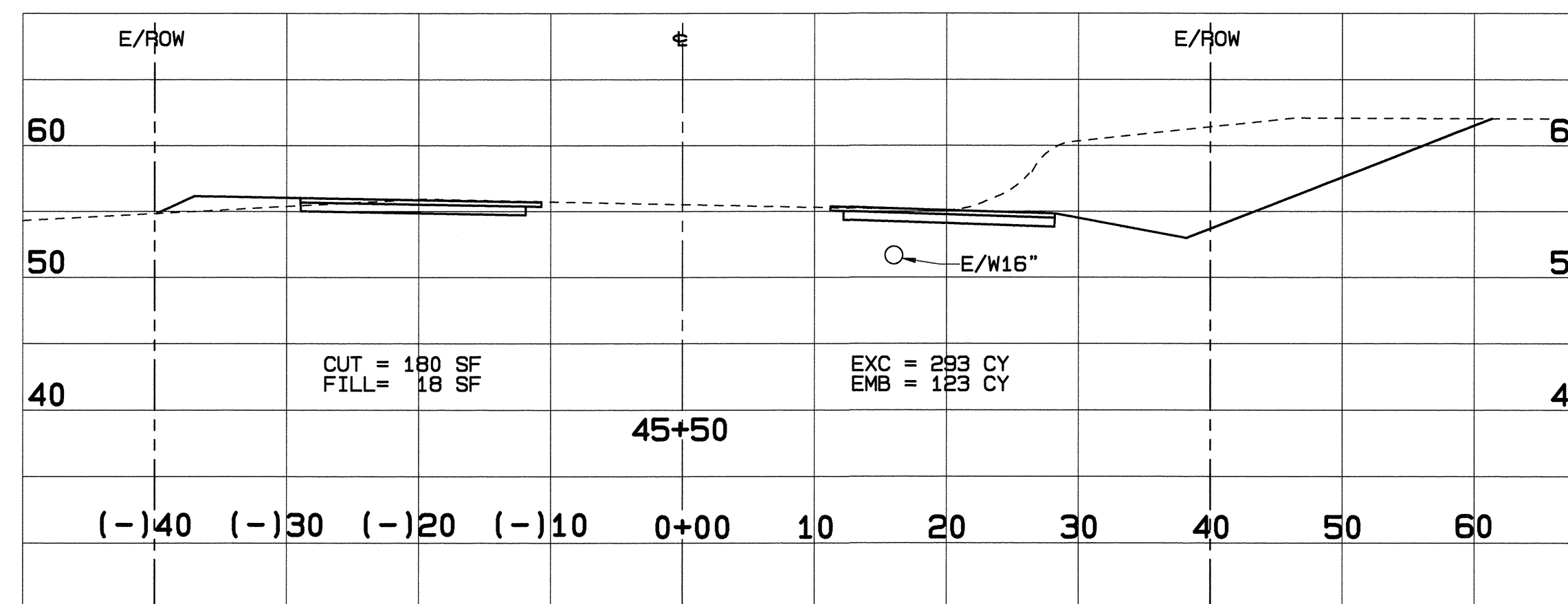
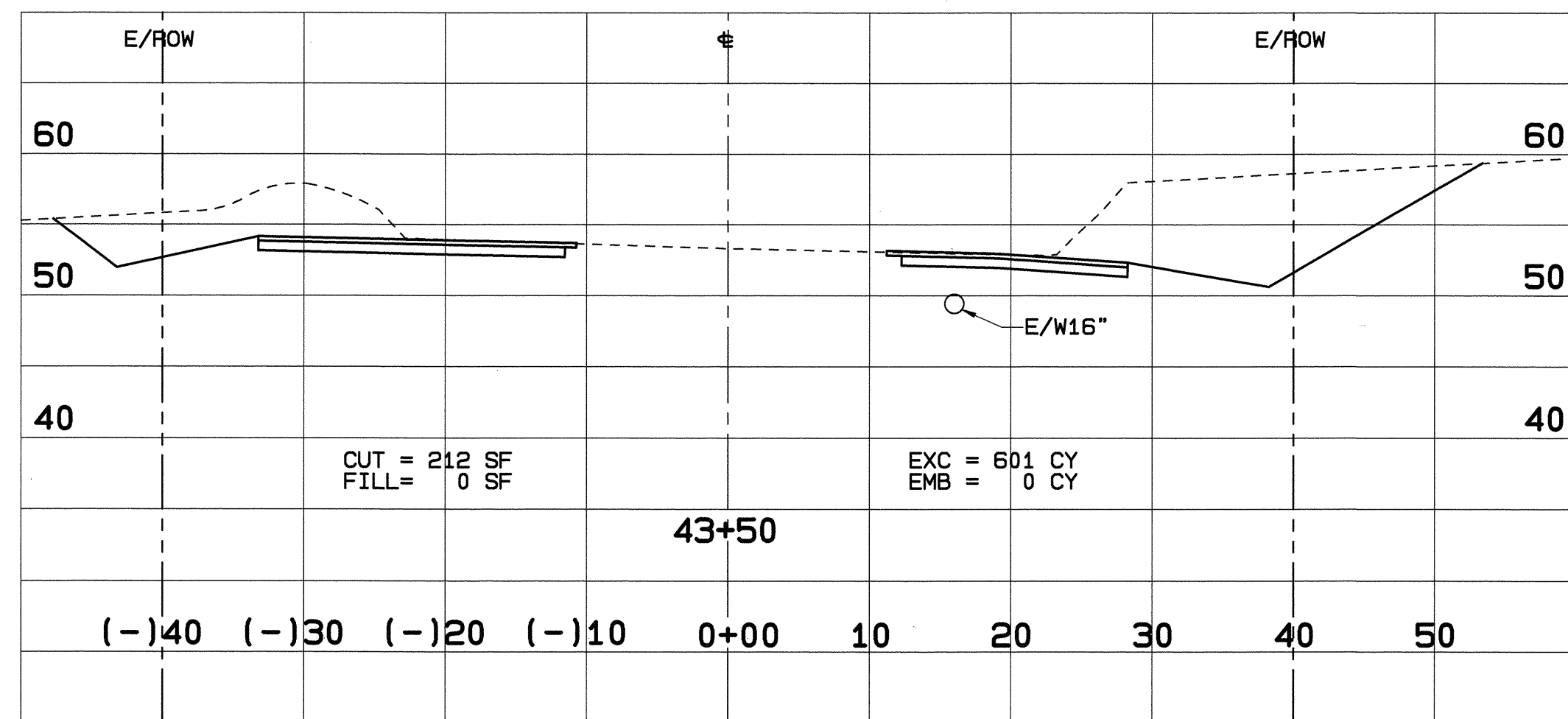
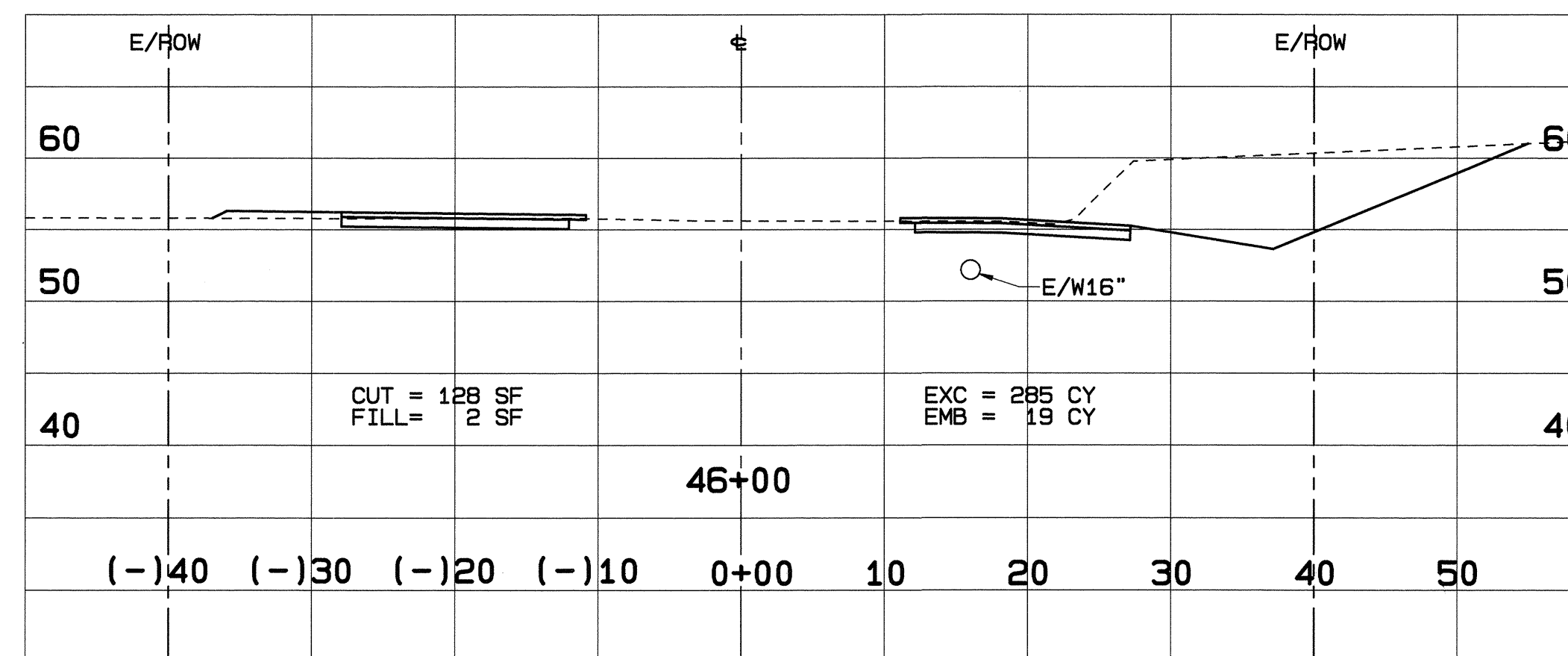
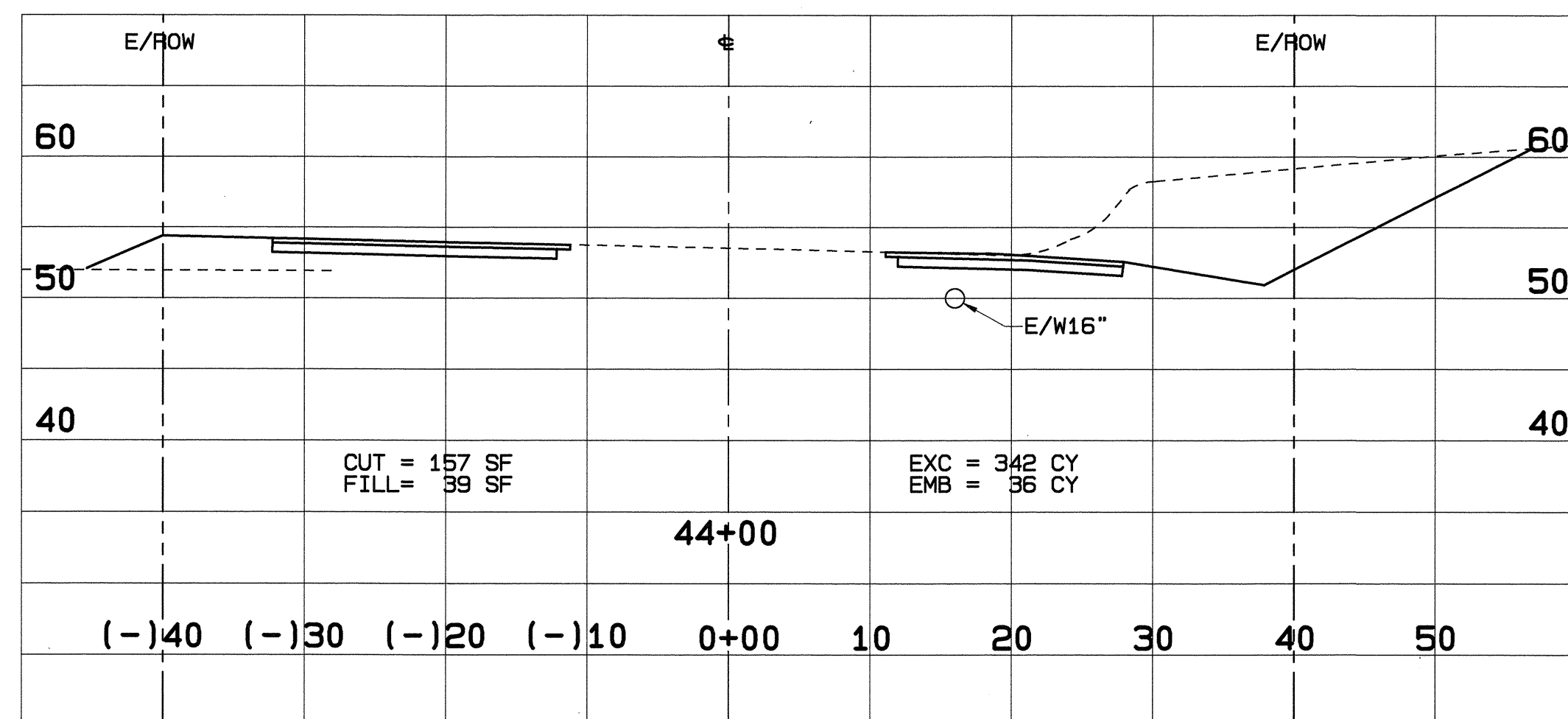
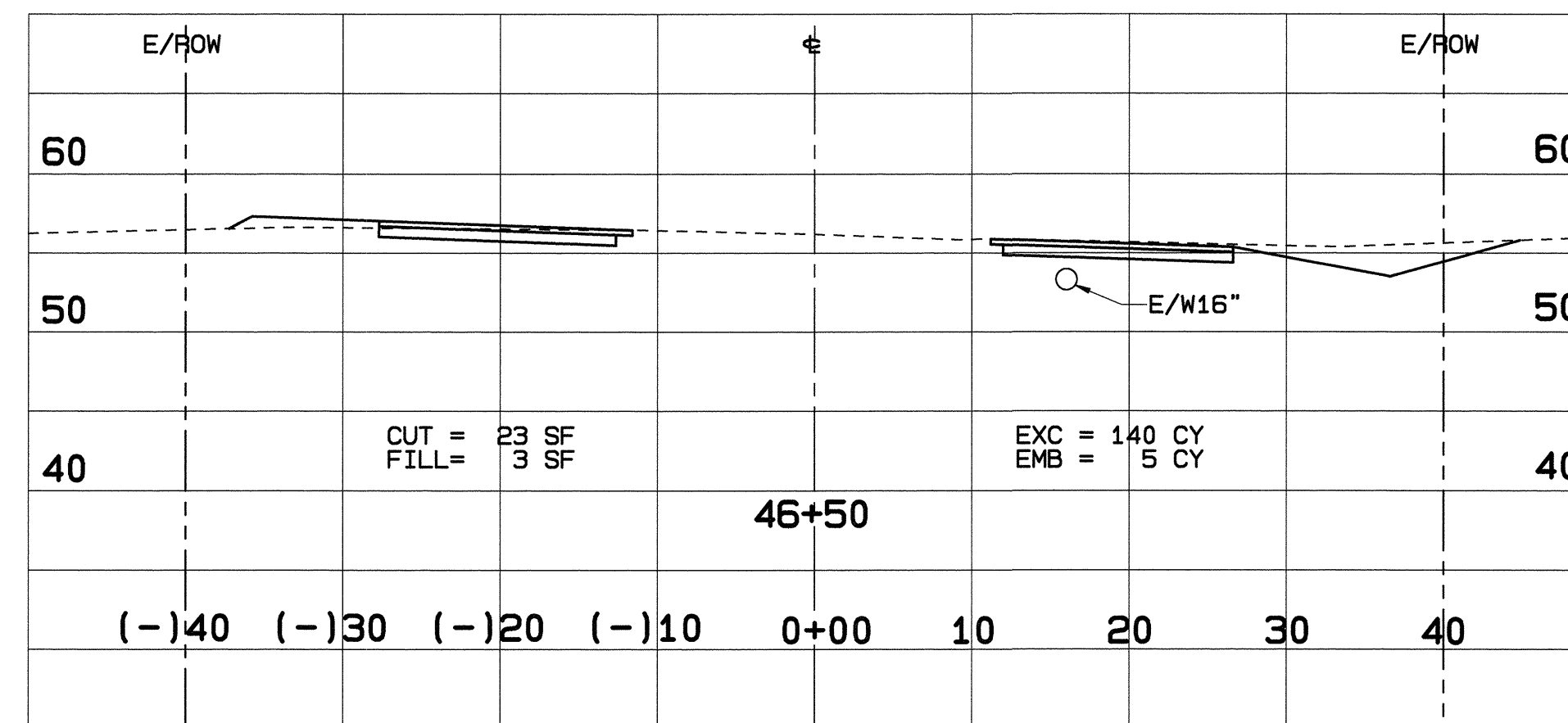
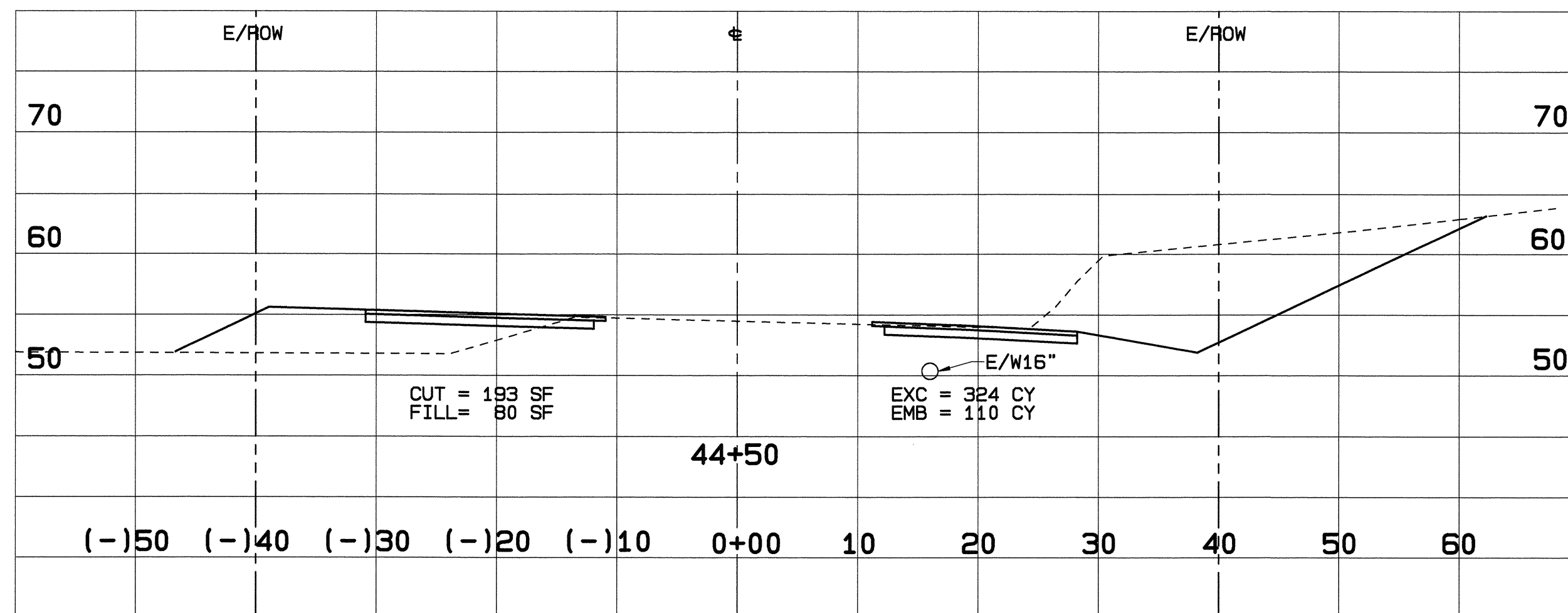
MAKALAPUA
SIGNALIZED INTERSECTION AT QUEEN
KAHUMANU HIGHWAY AND MAKALAPUA BLVD

CROSS SECTIONS
STA. 39+00 TO STA. 42+50

Designed By: RI, KT Drawn By: OL
Project No. 333.5000 Date: JAN. 1994

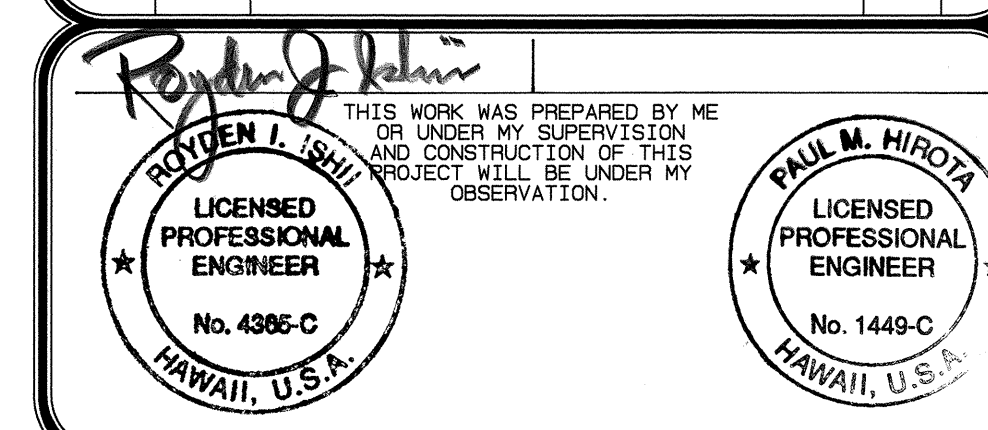
Approved By: _____

Users/Projects/333.5000.D/A.INT/C-25



SCALES: HORIZ. 1"=10'
VERT. 1"=10'

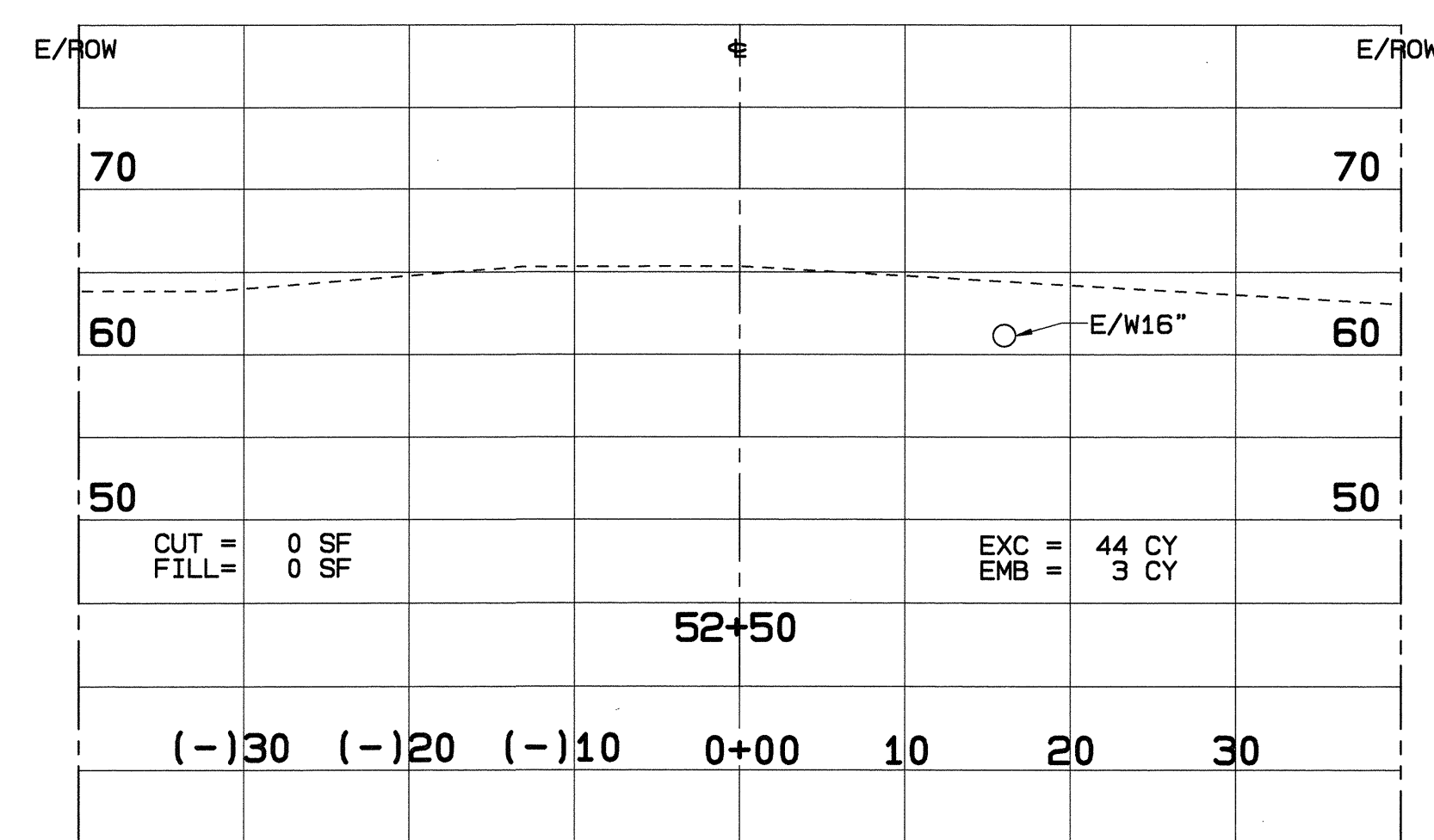
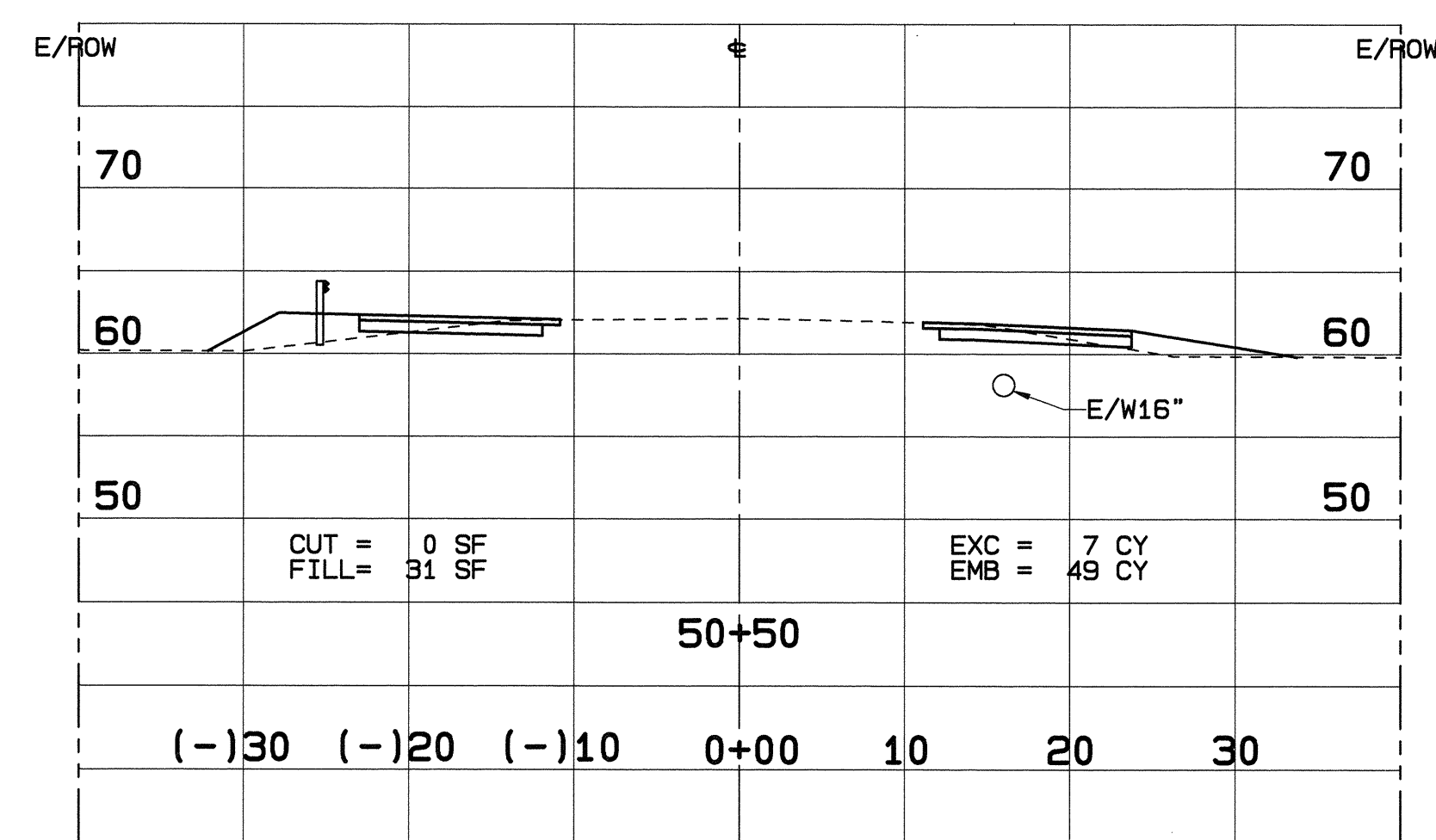
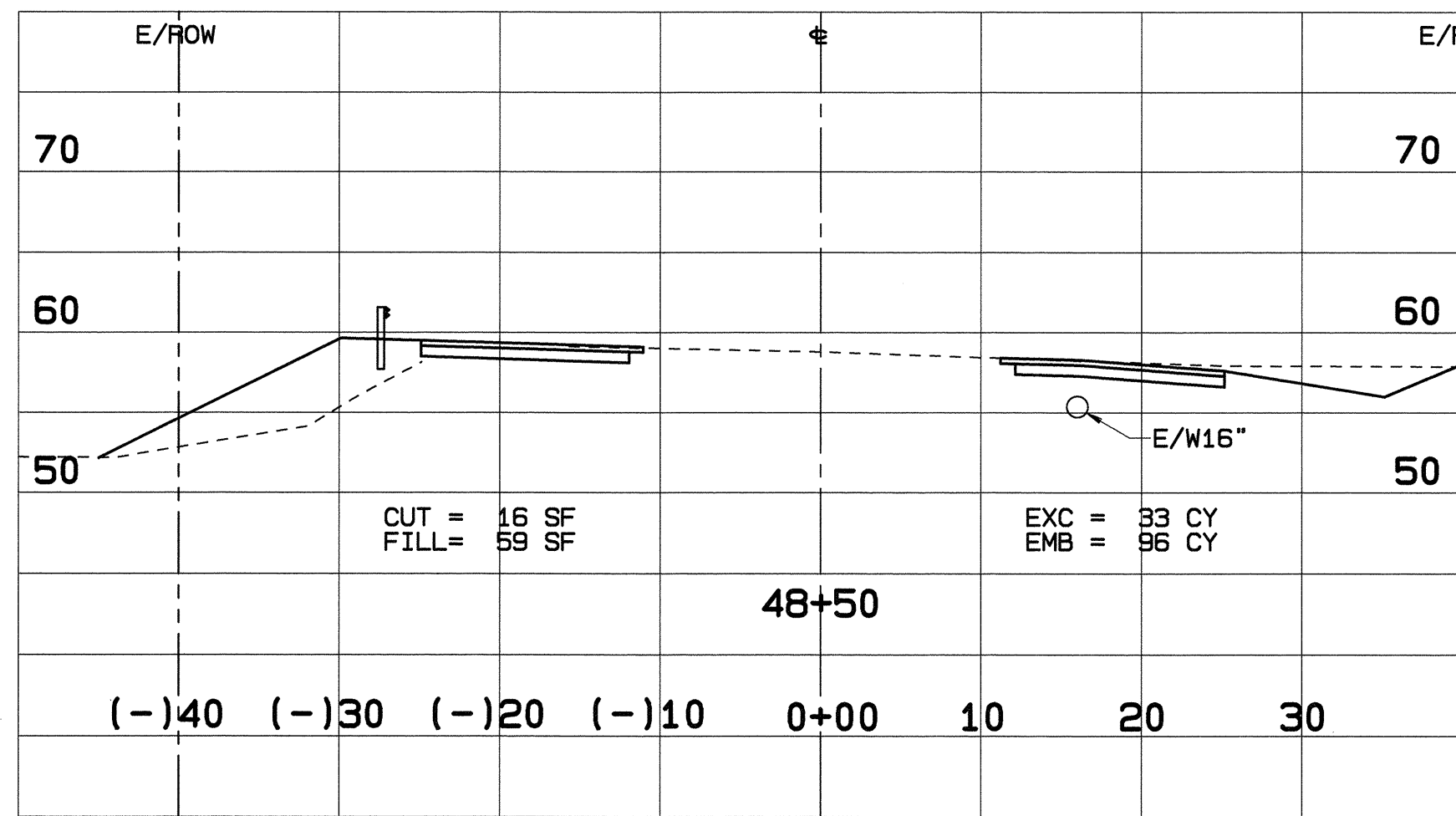
Rev	Date	Description	Eng	App



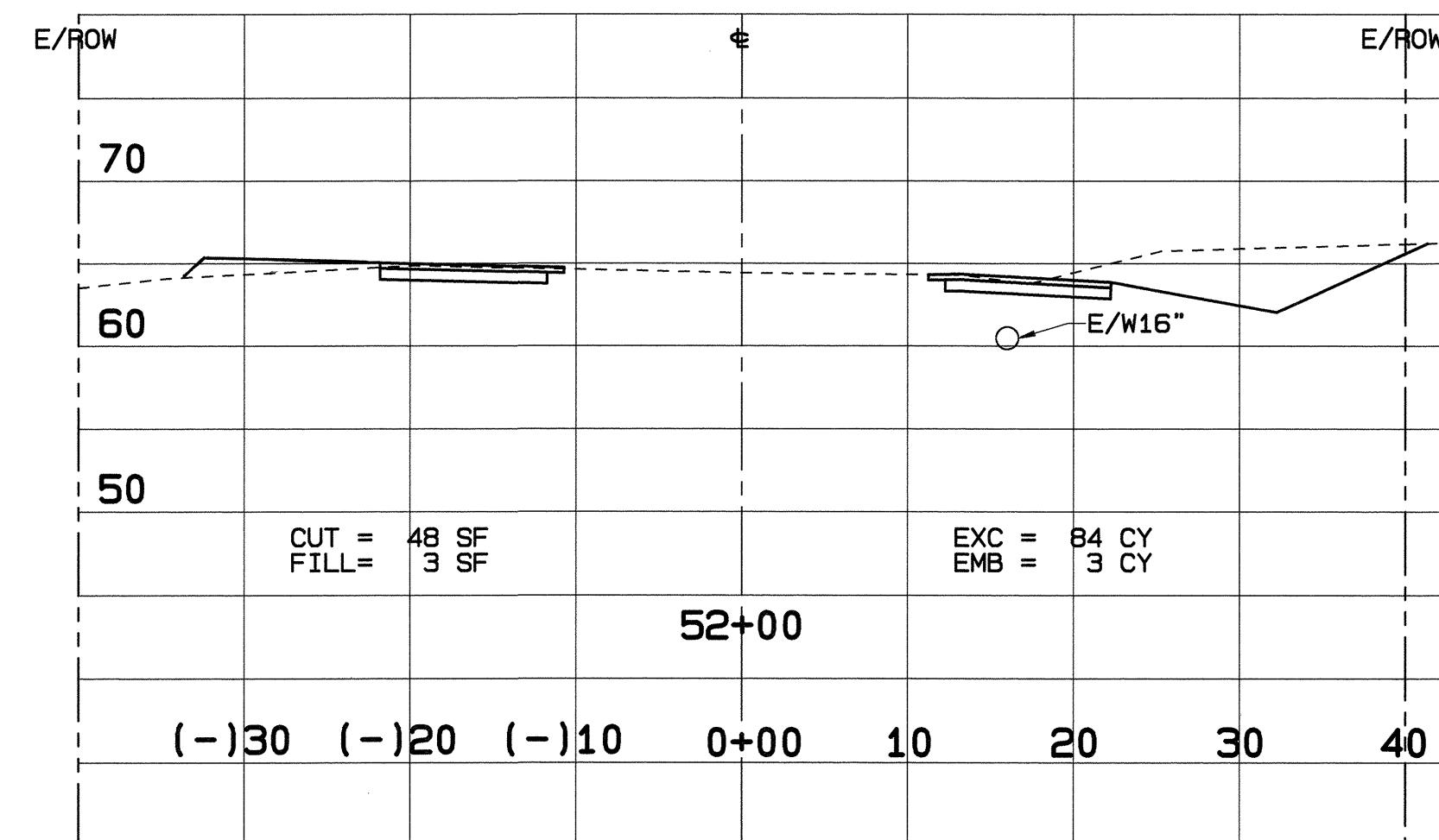
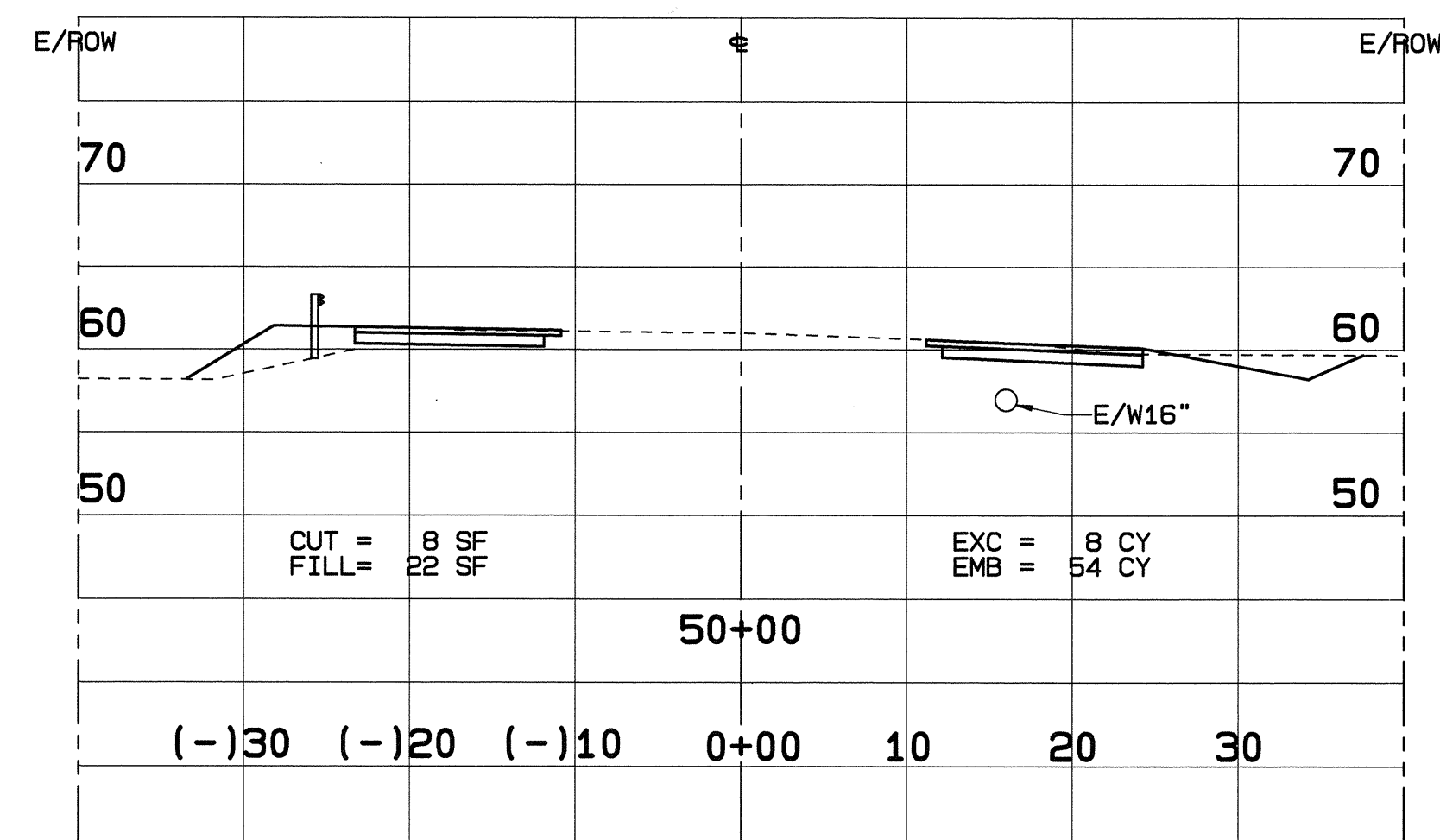
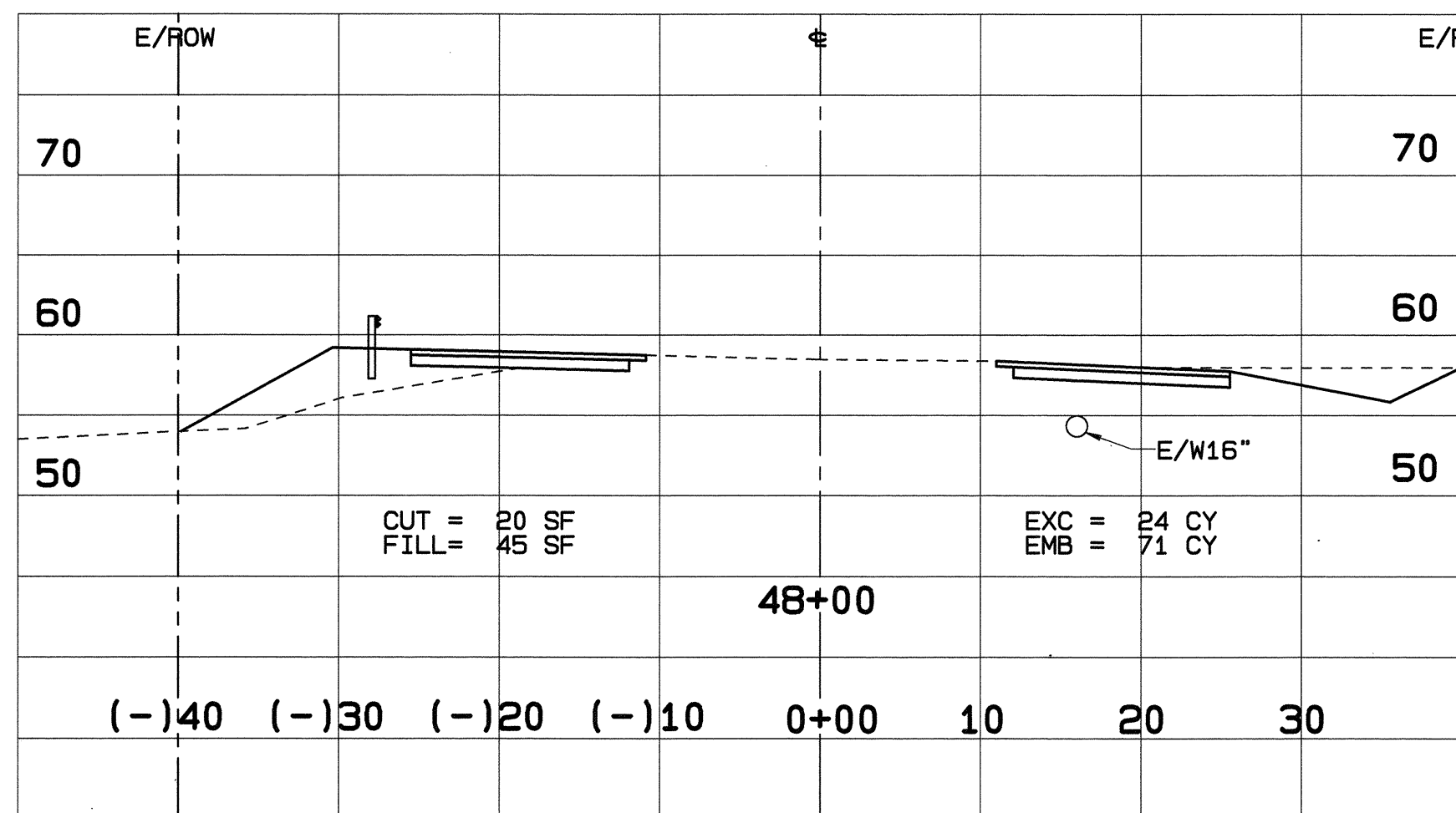
BELT COLLINS
H A W A I I
680 Ala Moana Blvd. First Floor Honolulu, Hawaii 96813
Phone: (808) 521-5361 Fax: (808) 538-7819
Consultant:
Client: **KM KONA PARTNERS**
PALAIA TOWER SUITE 1400
1001 KAILUA AVENUE
KAILUA, HAWAII 96731
PHONE: 808-272-2222
FAX: 808-272-2222

MAKALAPUA
SIGNALIZED INTERSECTION AT QUEEN
KAHUMANU HIGHWAY AND MAKALAPUA BLVD
CROSS SECTIONS
STA. 43+00 TO STA. 46+50
Designed By: RI, KT Drawn By: CR, EQ, JM
Project No. 333.5000 Date: JAN. 1994
Approved By:

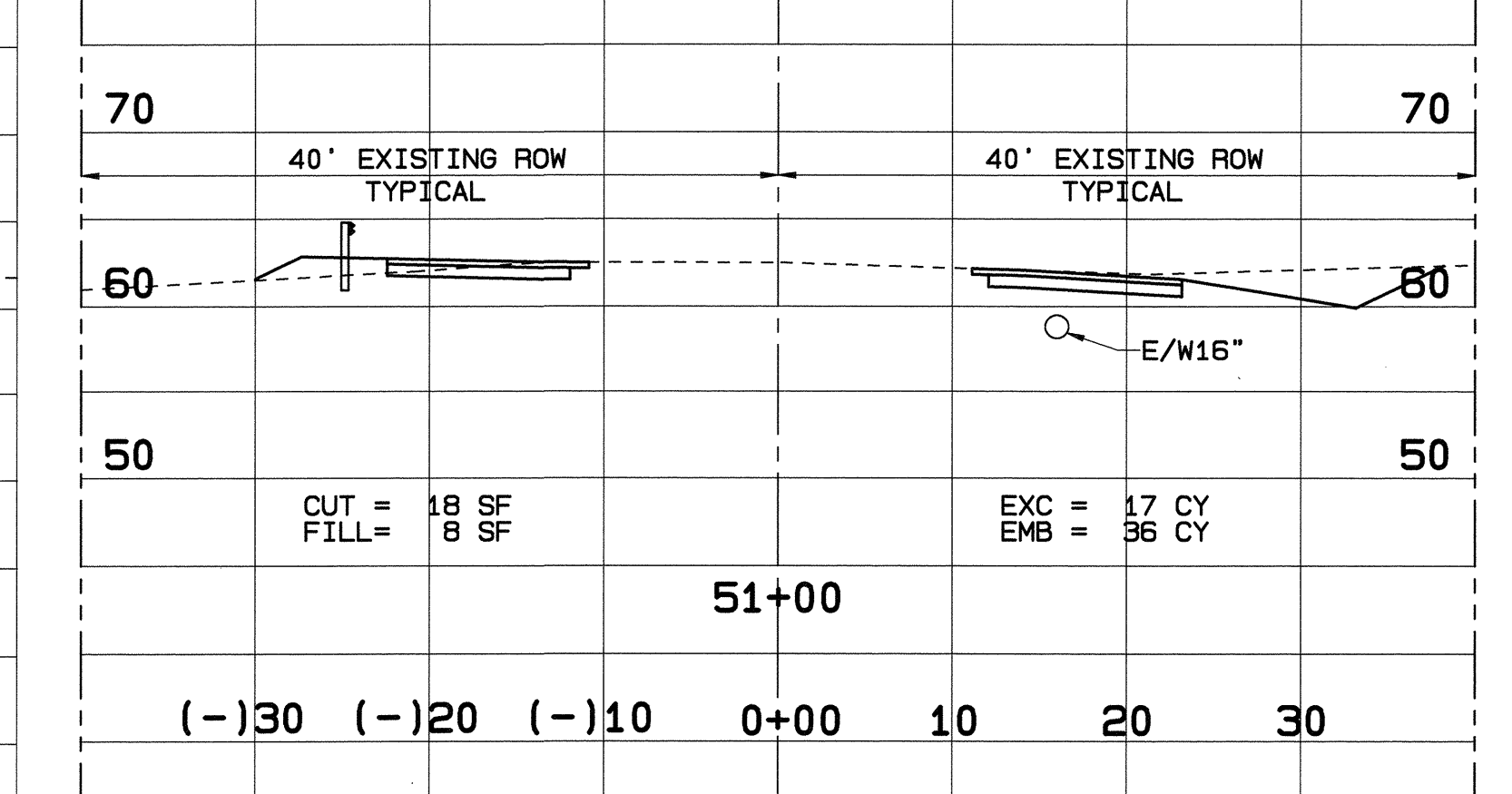
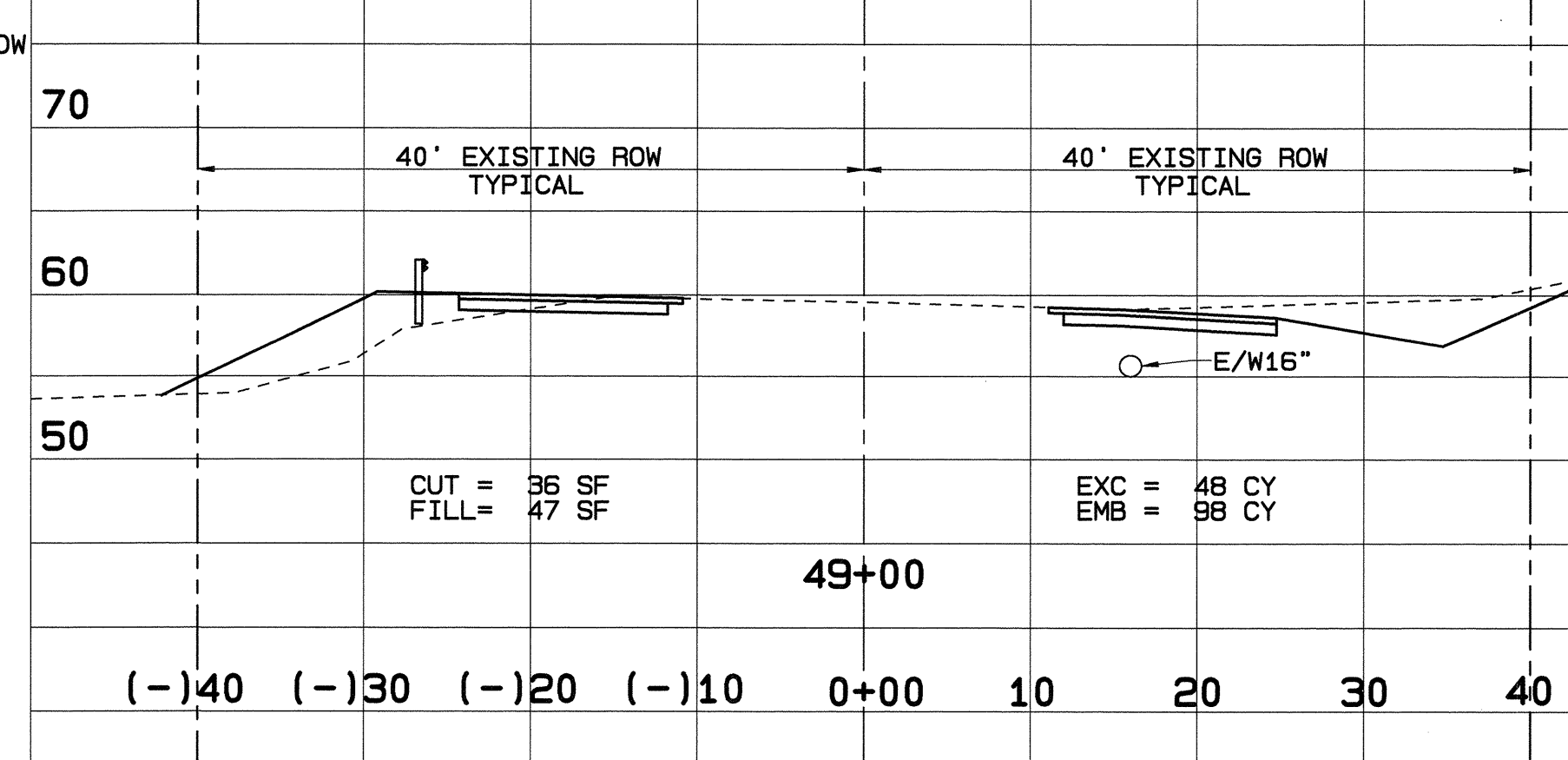
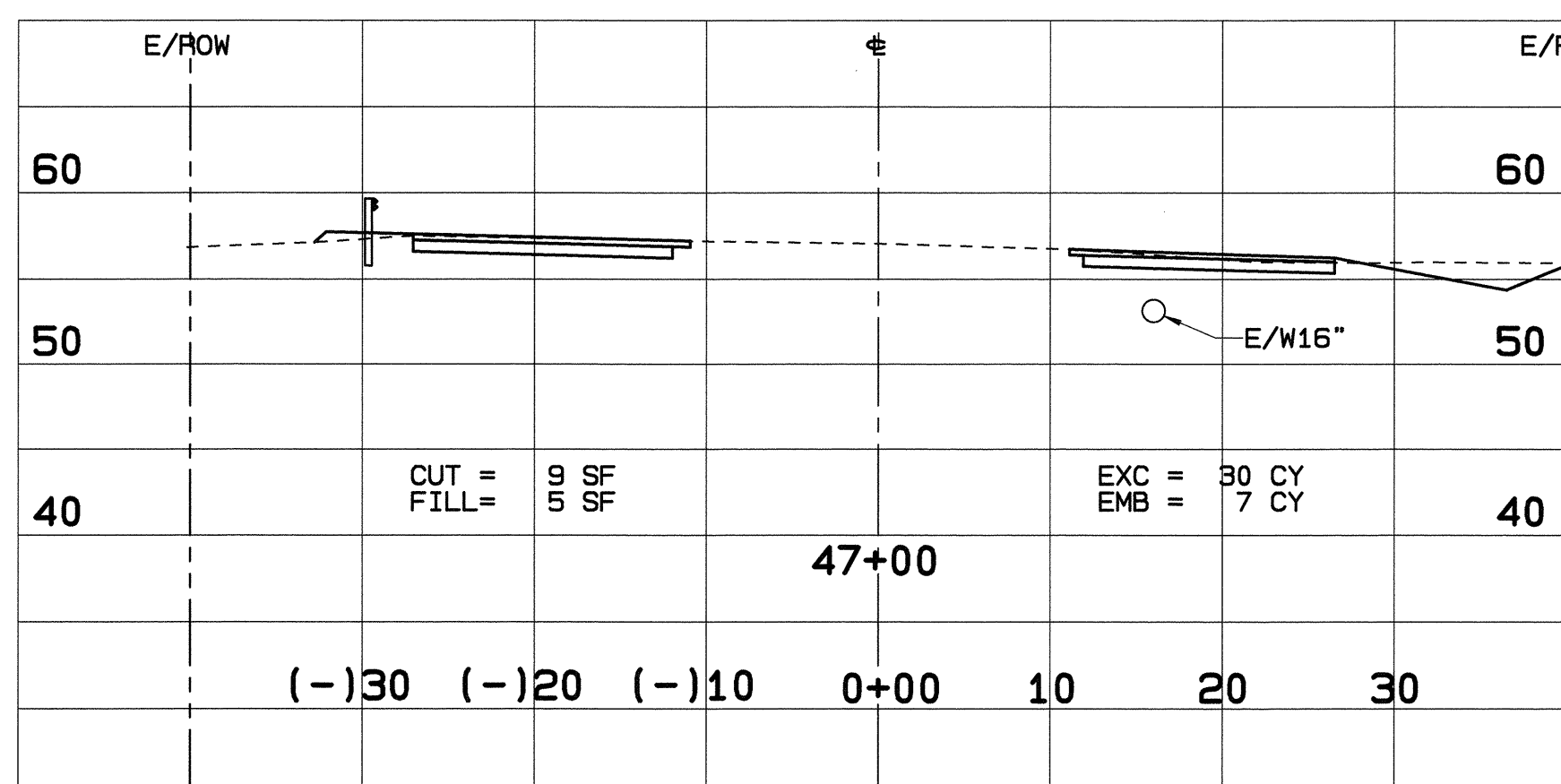
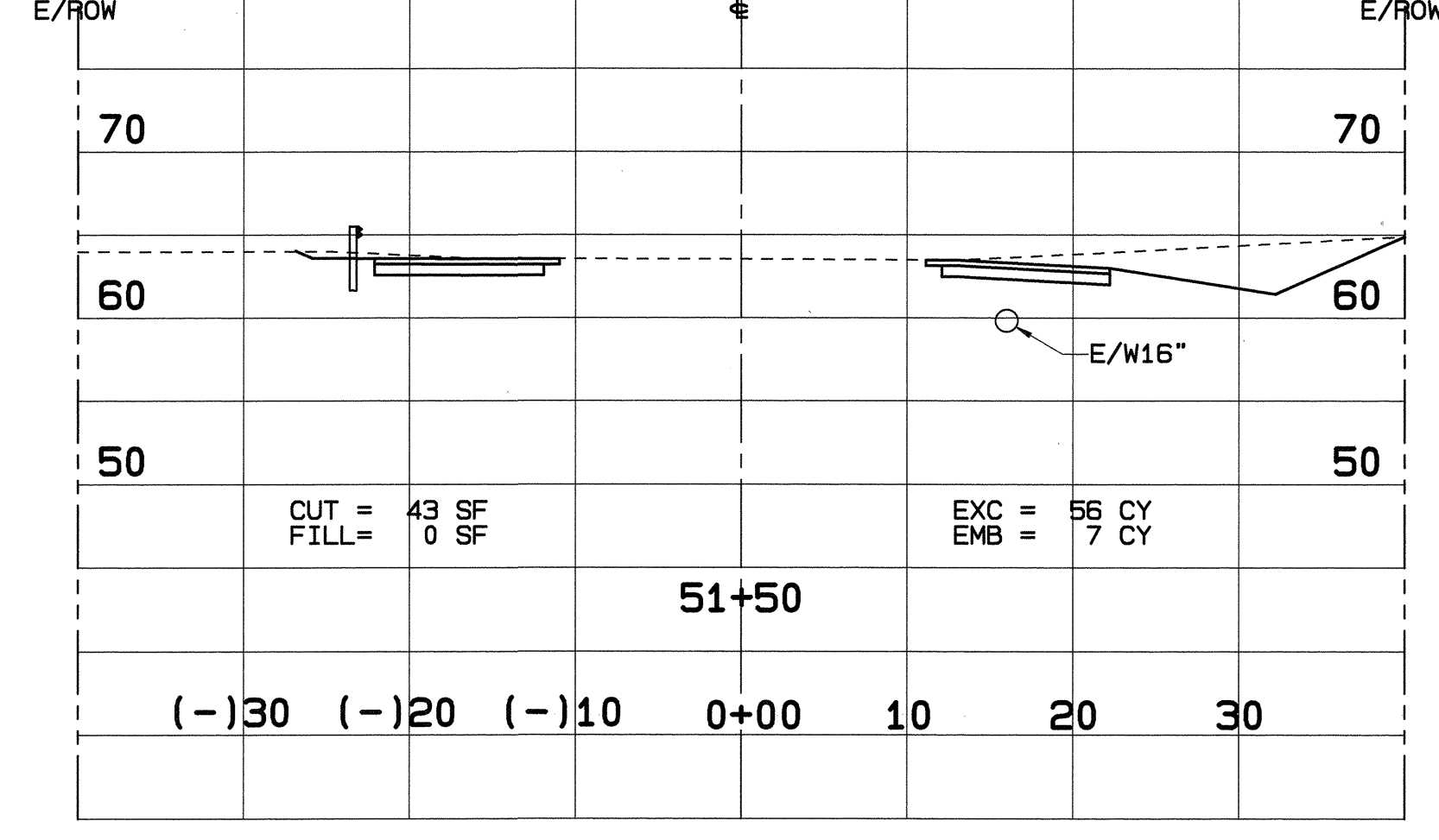
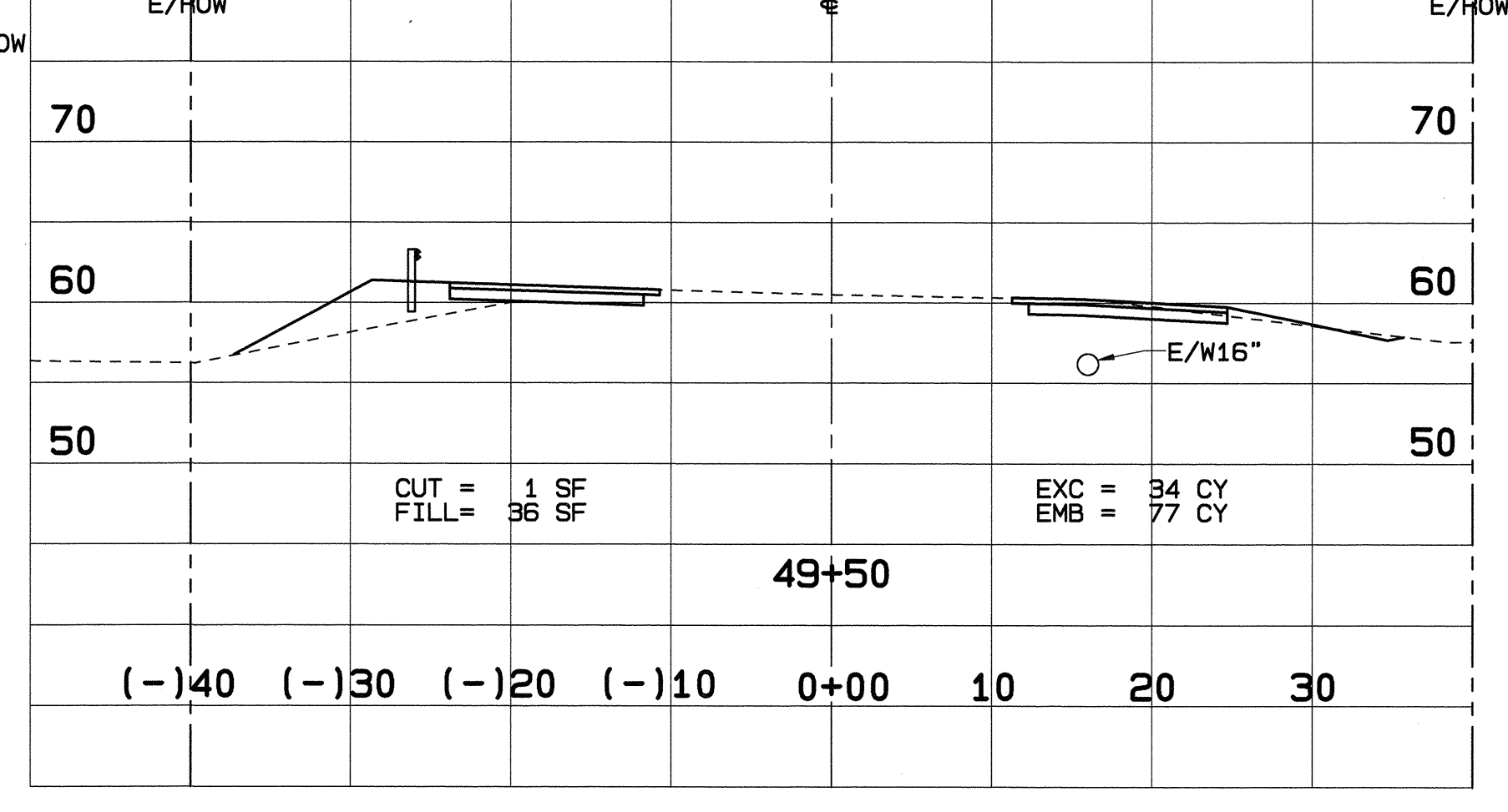
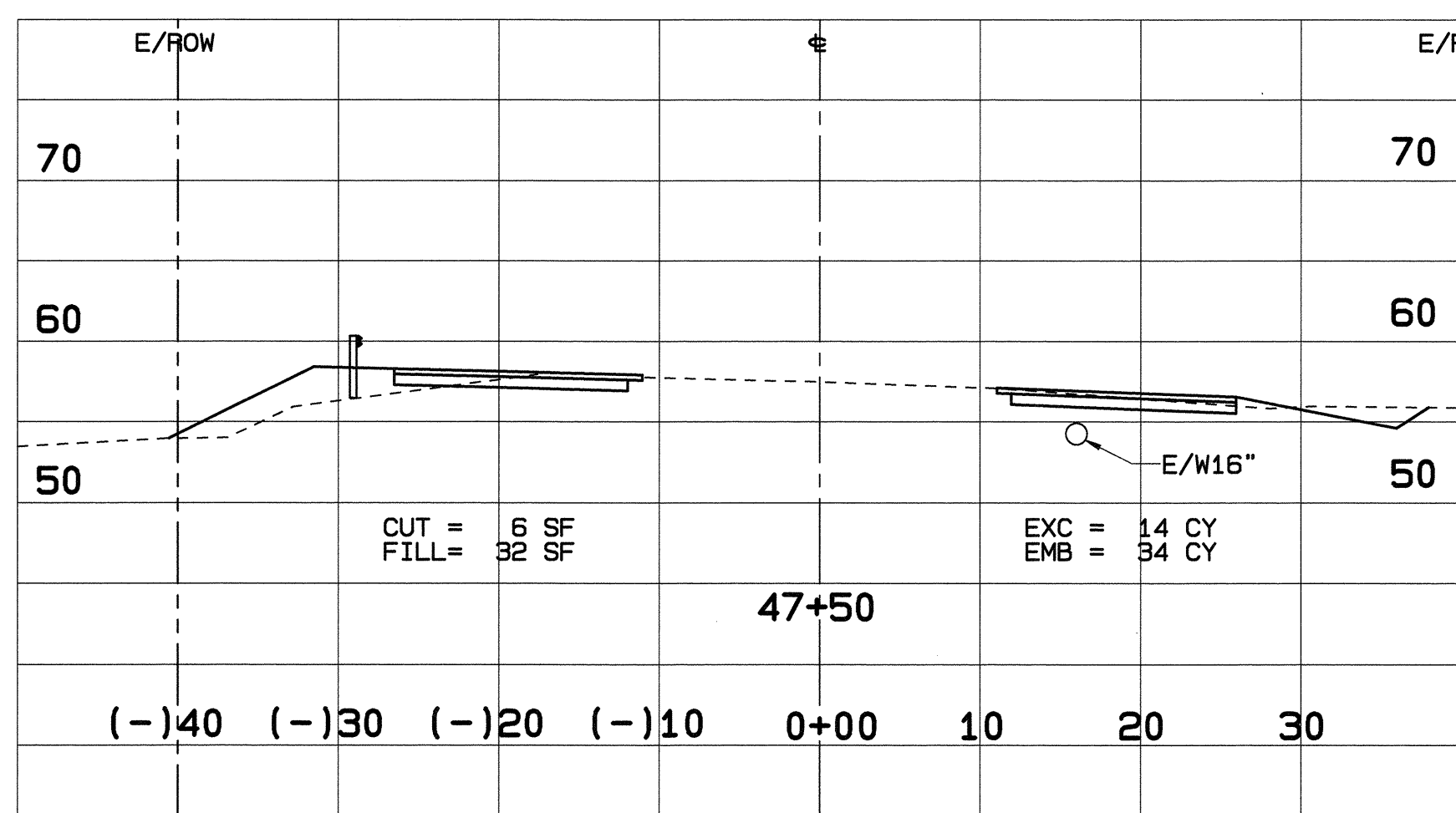
/Users/Project/233.5000.D/A/INT/C-24



TOTAL EXCAVATION = 12,800 CY
TOTAL EMBANKMENT = 10,400 CY



SCALES: HORIZ. 1"=10'
VERT. 1"=10'



Rev	Date	Description	Eng	App

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

ROYDEN I. ISHII
LICENSED PROFESSIONAL ENGINEER
No. 4365-C
HAWAII, U.S.A.

PAUL M. HIROTA
LICENSED PROFESSIONAL ENGINEER
No. 1449-C
HAWAII, U.S.A.

BELT COLLINS
H A W A I I
680 Ala Moana Blvd. First Floor Honolulu, Hawaii 96813
Phone: (808) 521-5381 Fax: (808) 538-7819

Consultant:

Client: **KM KONA PARTNERS**
PALAHU TOWER, SUITE 1410
1001 KIHUNA STREET
KONA, HAWAII, 96091
PHONE: 888-272-8888
FAX: 888-272-8888

MAKALAPUA
SIGNALIZED INTERSECTION AT QUEEN
KAHUMANU HIGHWAY AND MAKALAPUA BLVD

CROSS SECTIONS
STA. 47+00 TO STA. 52+50

Designed By: **RI, KT** Drawn By: **OL**
Project No. **333.5000** Date: **JAN. 1994**

Approved By:

FILE	POCKET	FOLDER	NO.