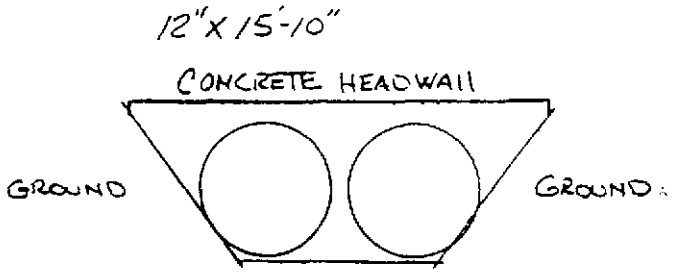
Click Here to Return to AR Index

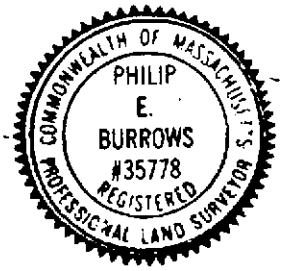
Site: Industri-Plex
Break: 6.4
Other: 33596

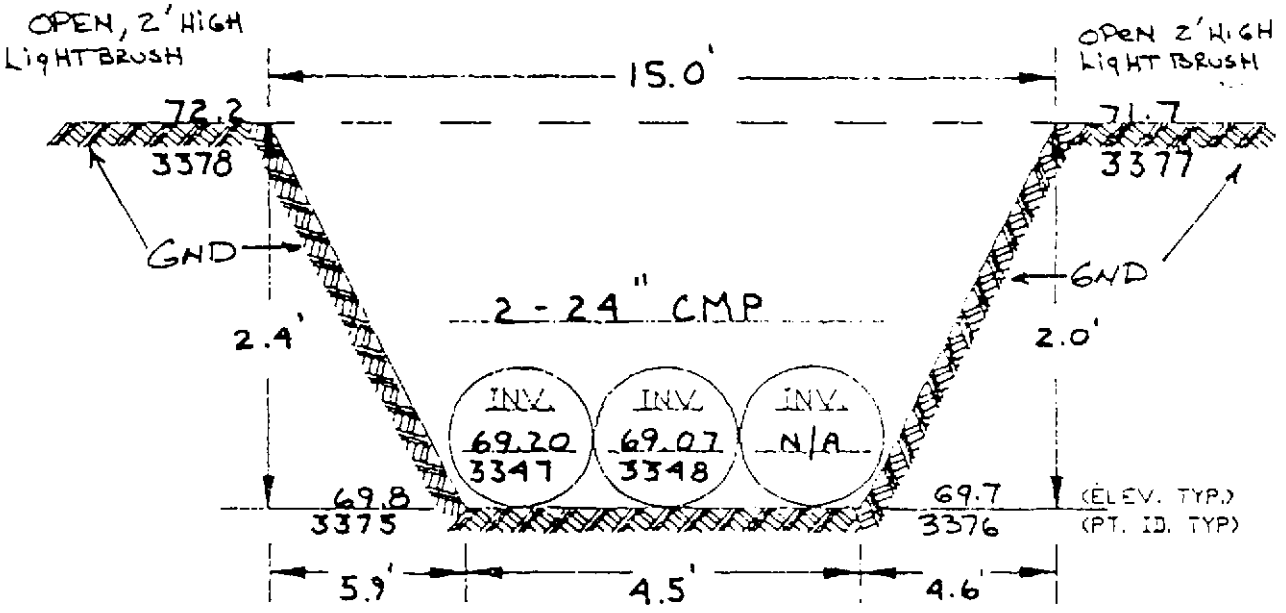
APPENDIX 10-H

Bathymetric Survey

Channel Cross-Sections



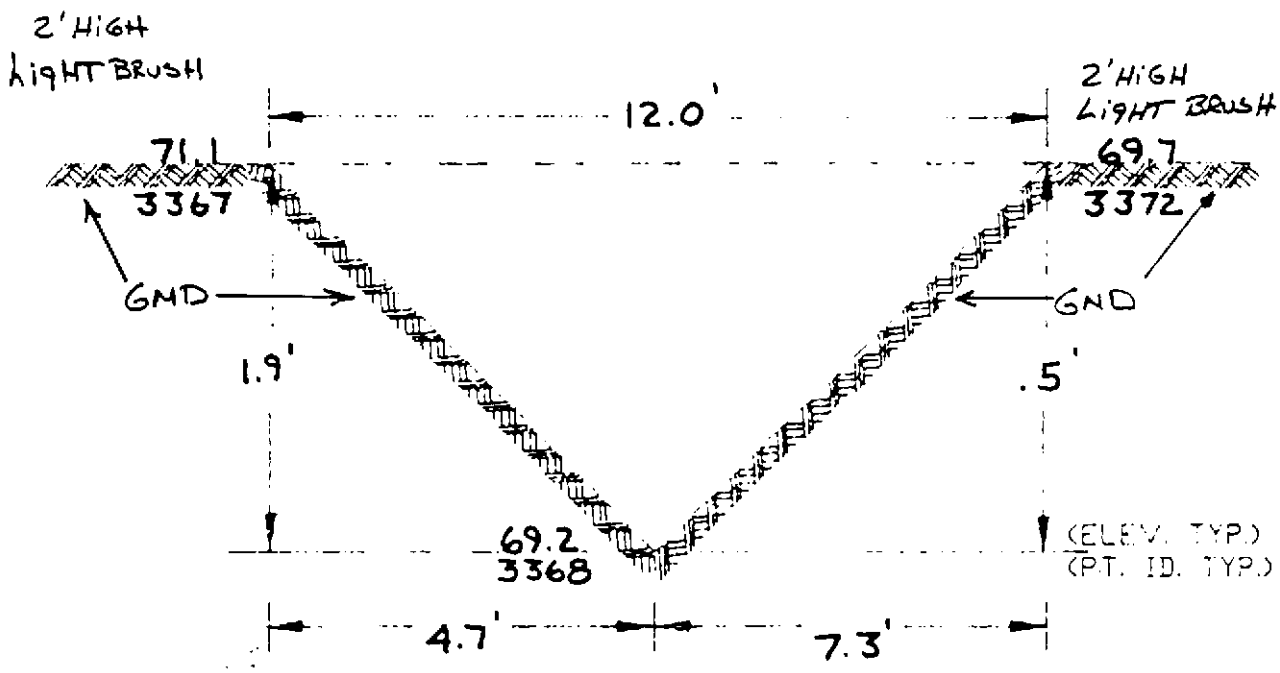




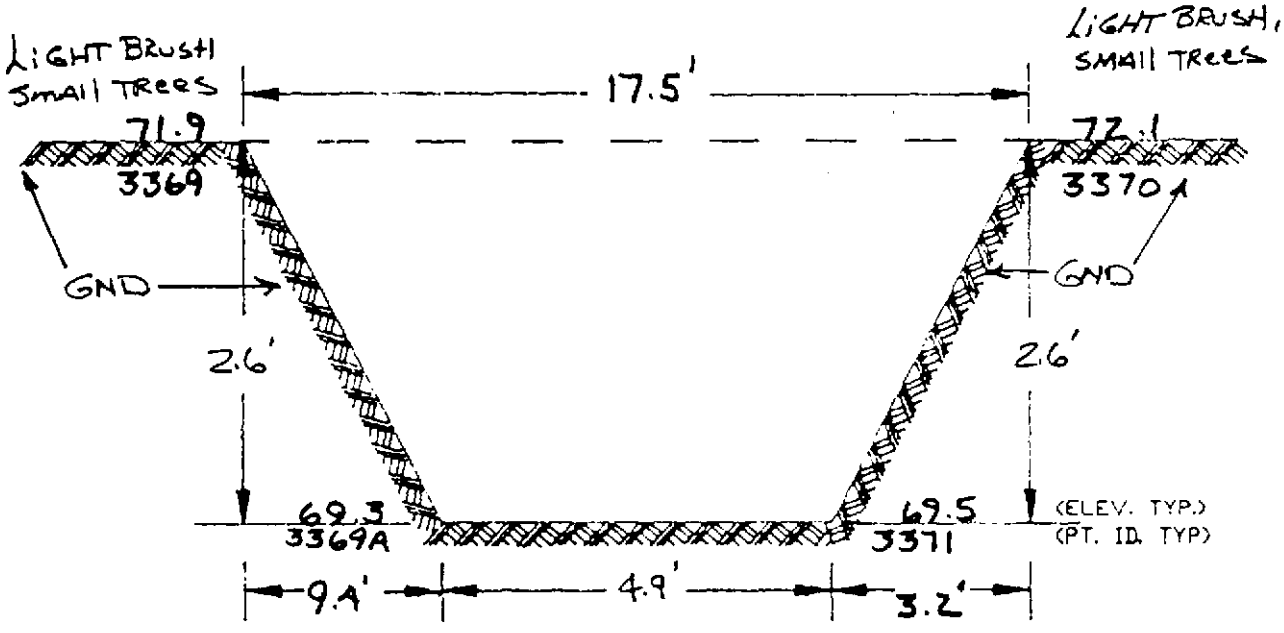
Note: All sections are viewed by standing down stream and looking up stream.

REVISED 12/16/91

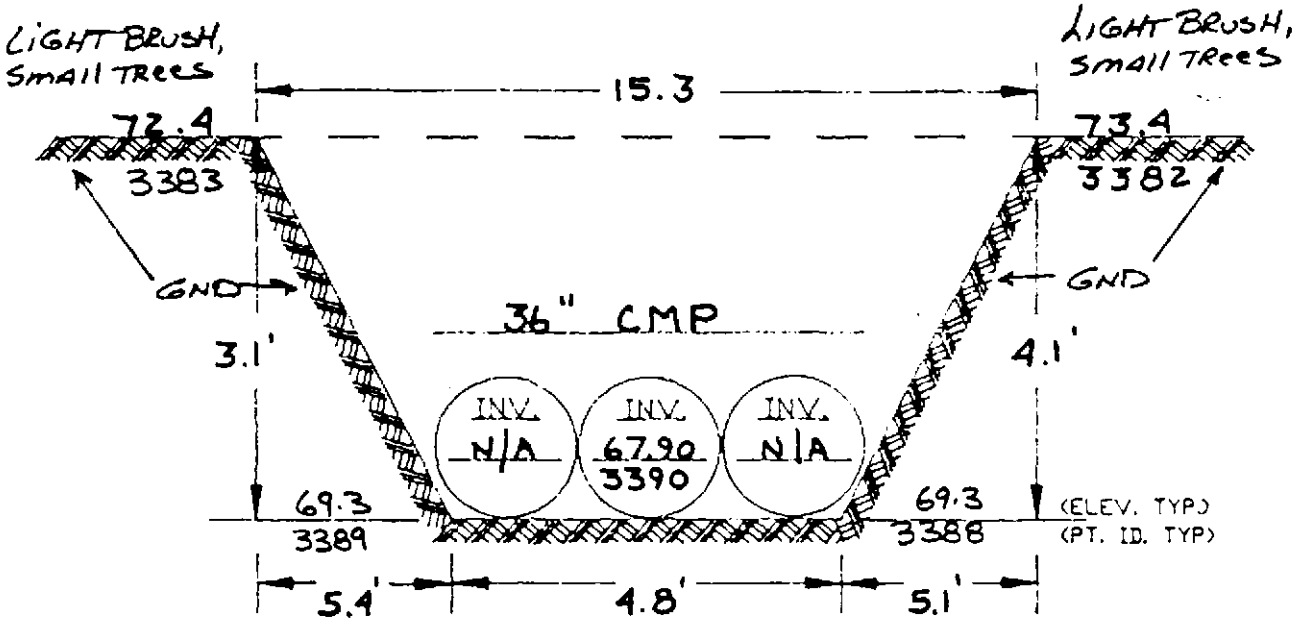
JOB NO. IW062.00	DITCH A SECTION 1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 1 OF 13
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



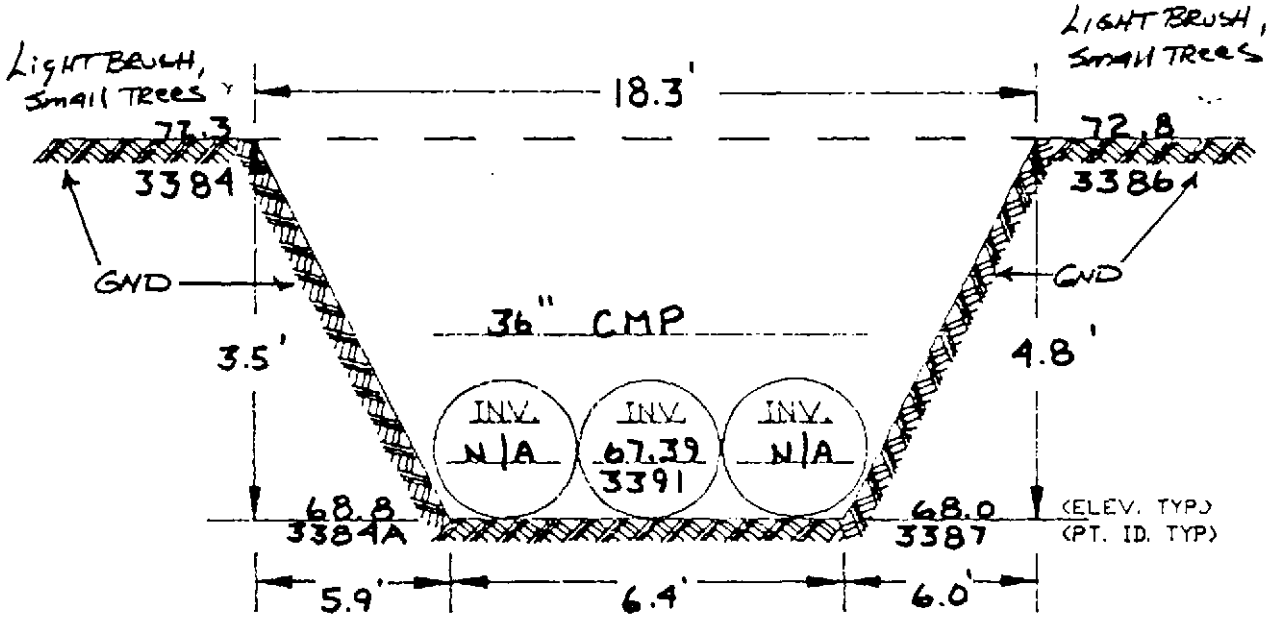
JOB NO. IW062.00	DITCH A SECTION 2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 2 OF 13
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH A SECTION 3	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 3 OF 13
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH A SECTION 4	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 4 OF 13
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWA NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH A SECTION 5	SCALE: NTS
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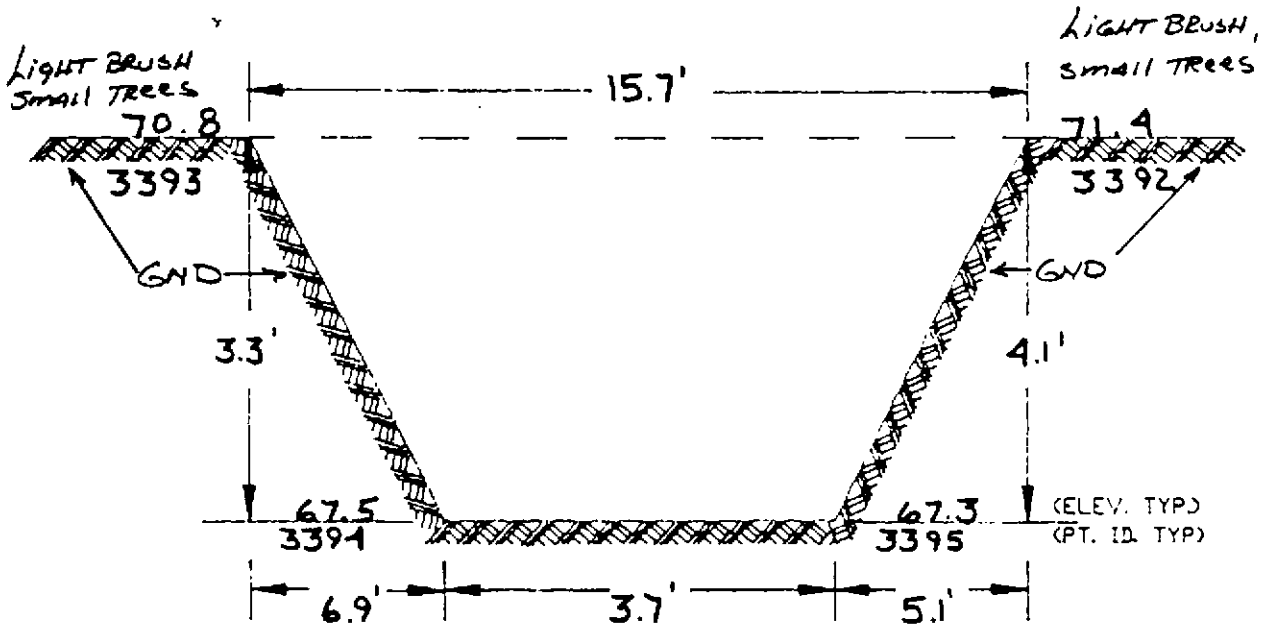
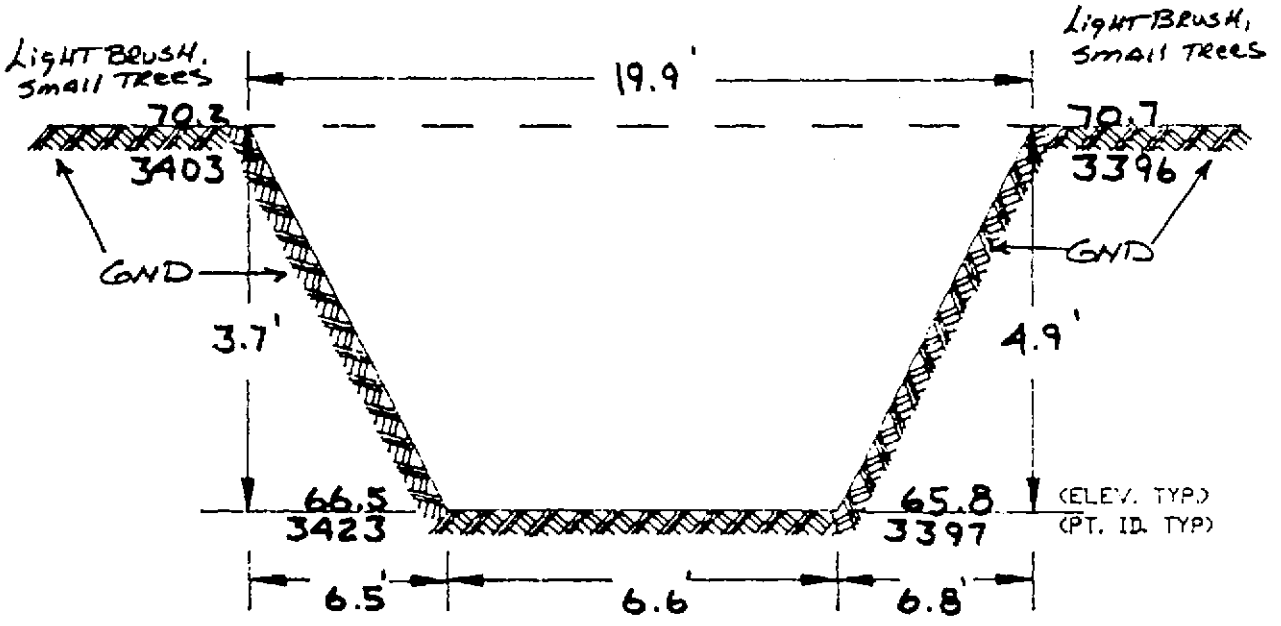
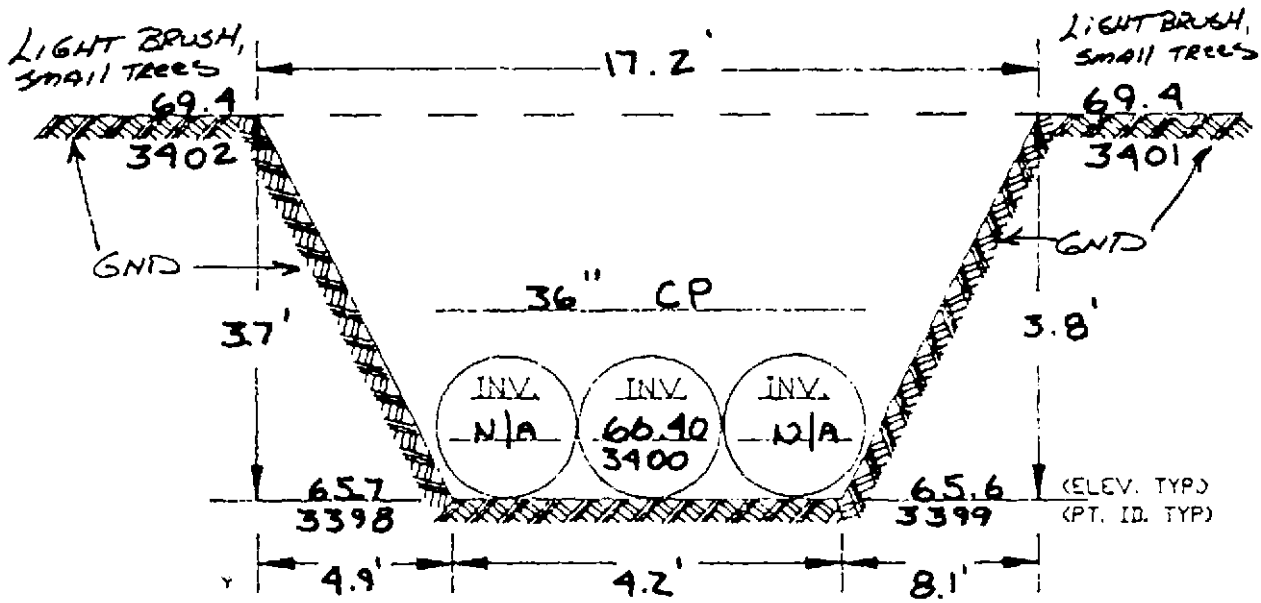
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWA NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH A SECTION 6	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 6 OF 13
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH A SECTION 7	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 7 OF 13
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH A SECTION 8	SCALE: NTS
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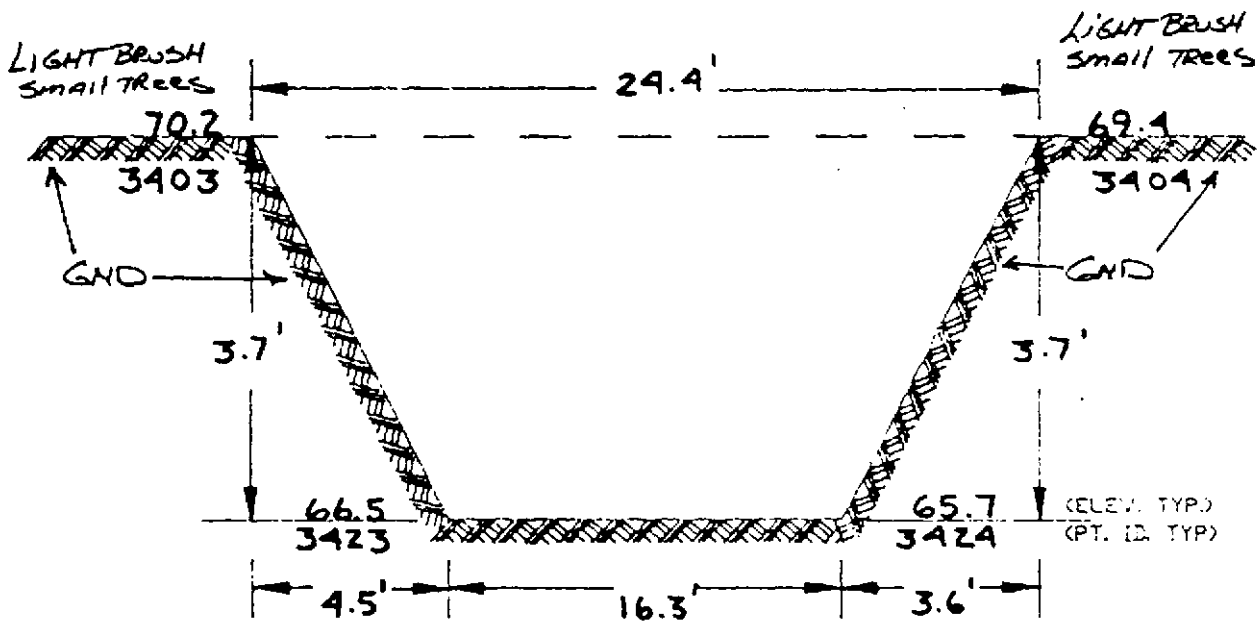
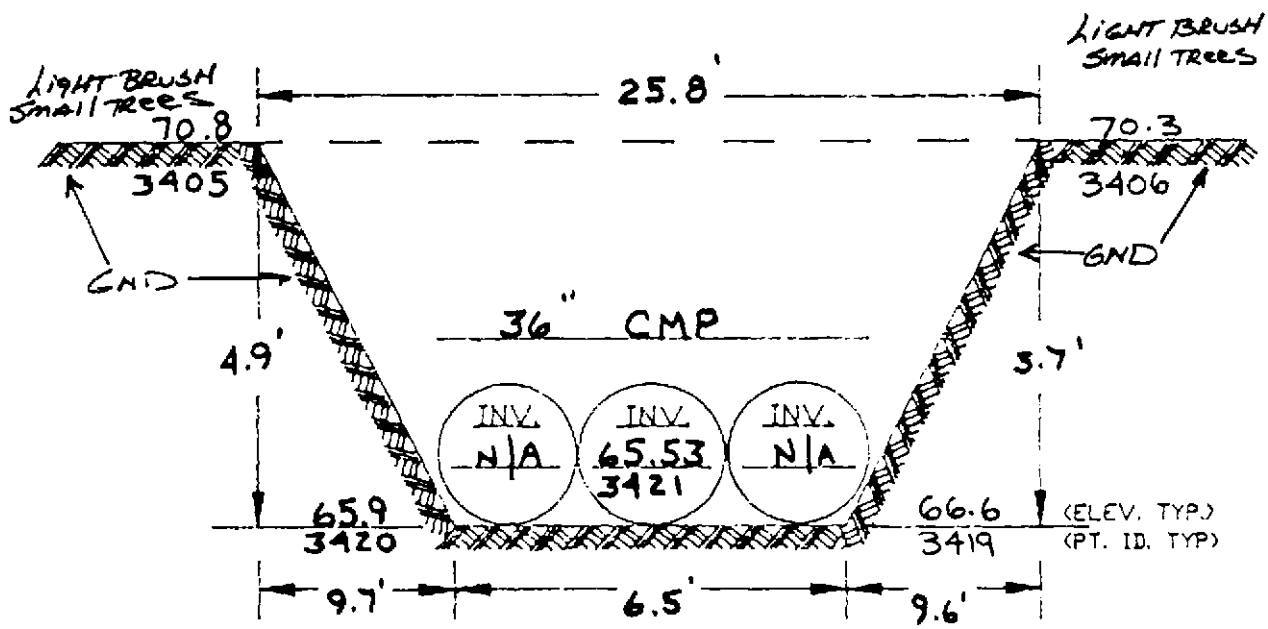
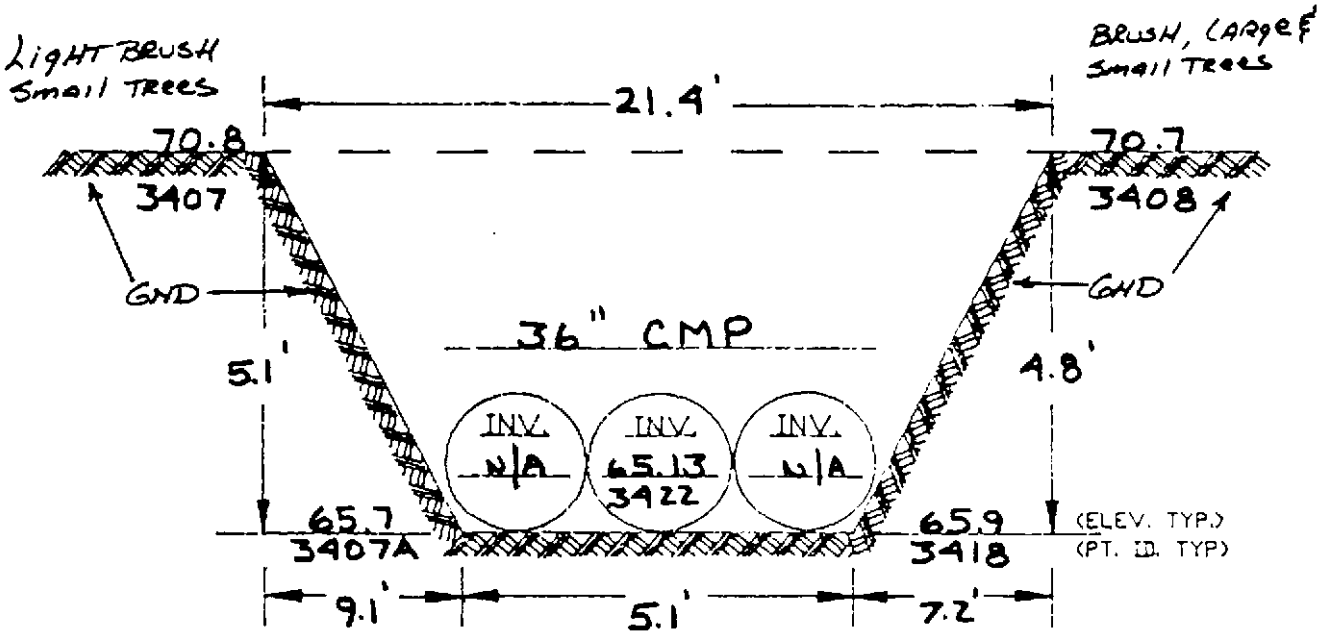
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



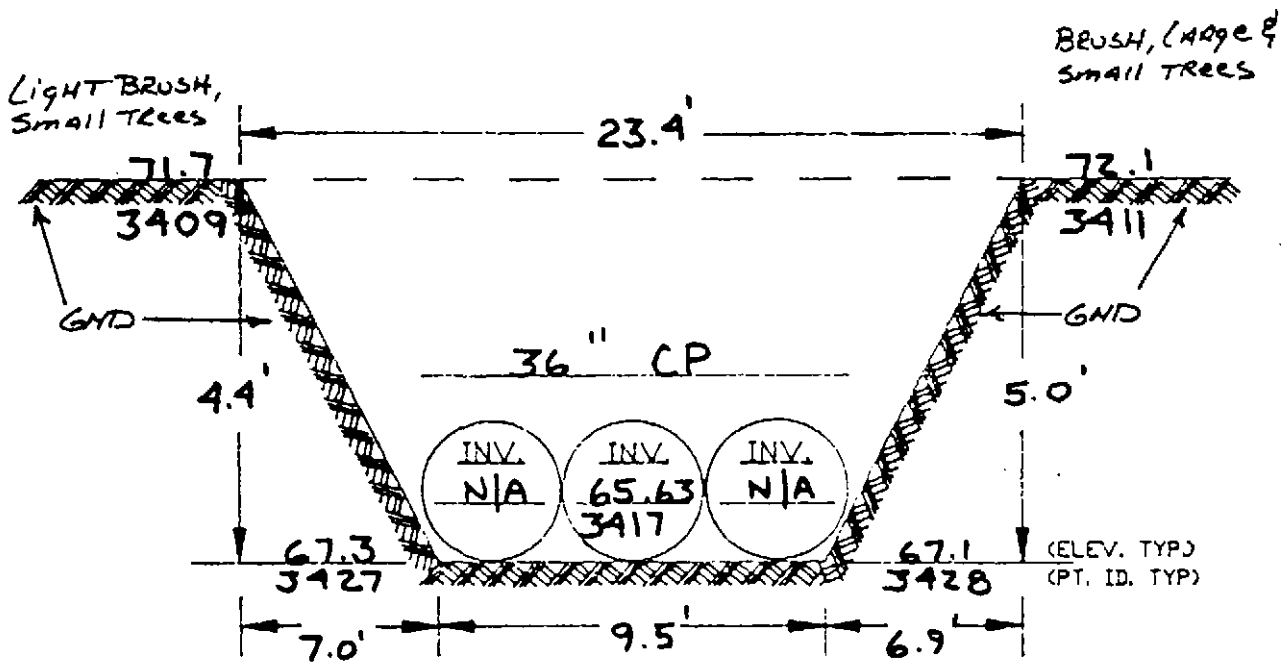
JOB NO. IW062.00	DITCH A SECTION 9	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 9 OF 13
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



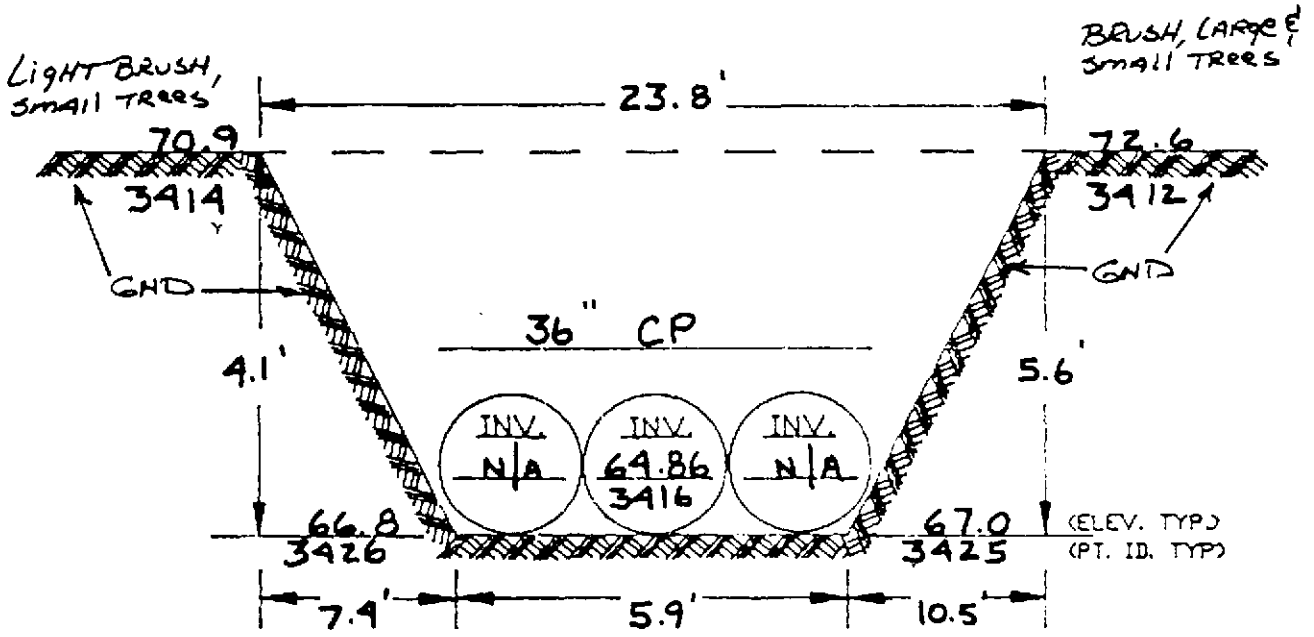
JOB NO. IW062.00	DITCH A SECTION 10	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 10 OF 13
DRAWN BY: GOH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



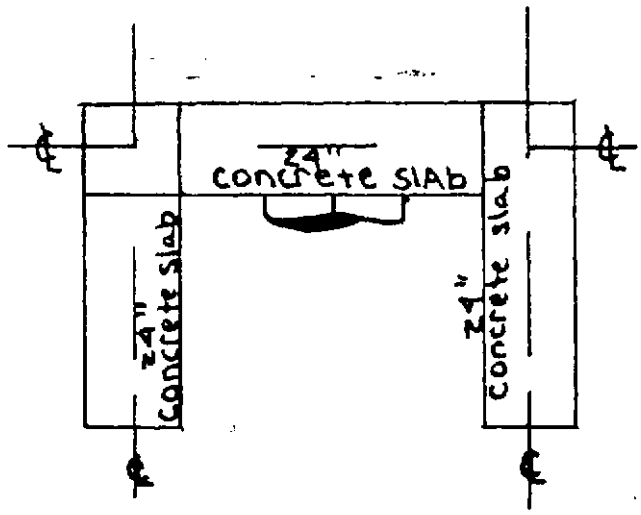
JOB NO. IW062.00	DITCH A SECTION 11	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 11 OF 13
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4

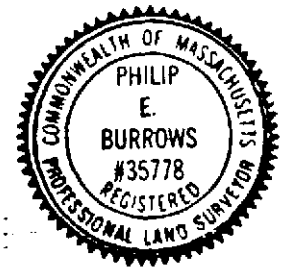


JOB NO. IW062.00	DITCH A SECTION 12	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 12 OF 13
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4

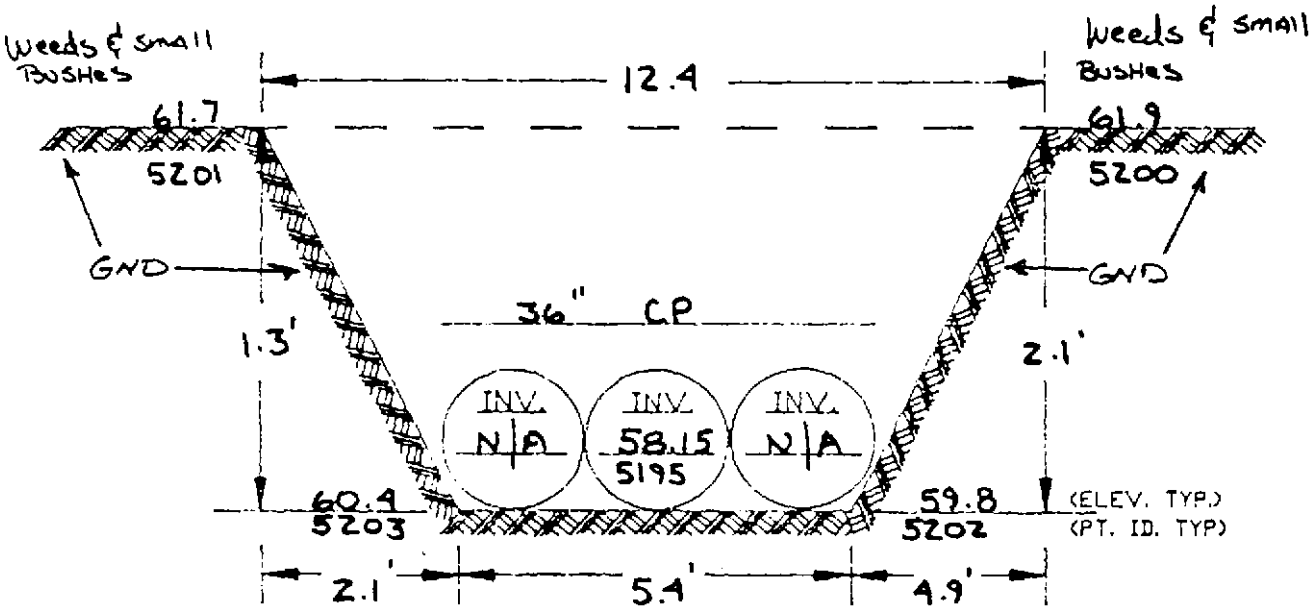


JOB NO. IW062.00	DITCH A SECTION 13	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 13 OF 13
DRAWN BY: GOH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWA NORTHEAST	1 OF 4



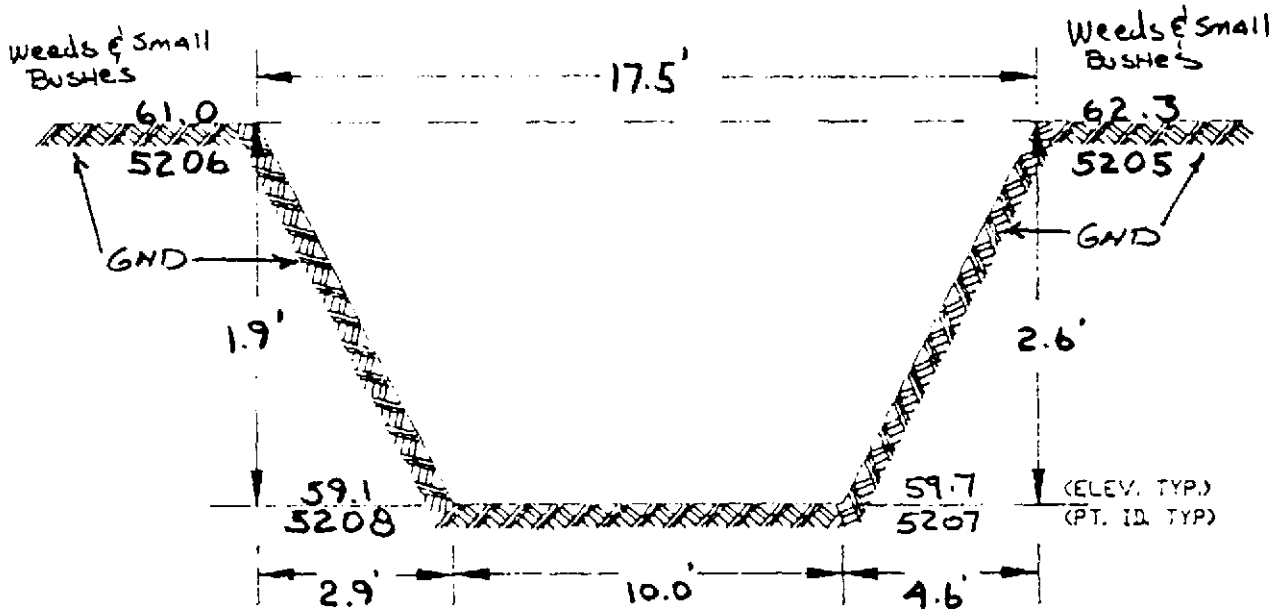


Concrete head wall

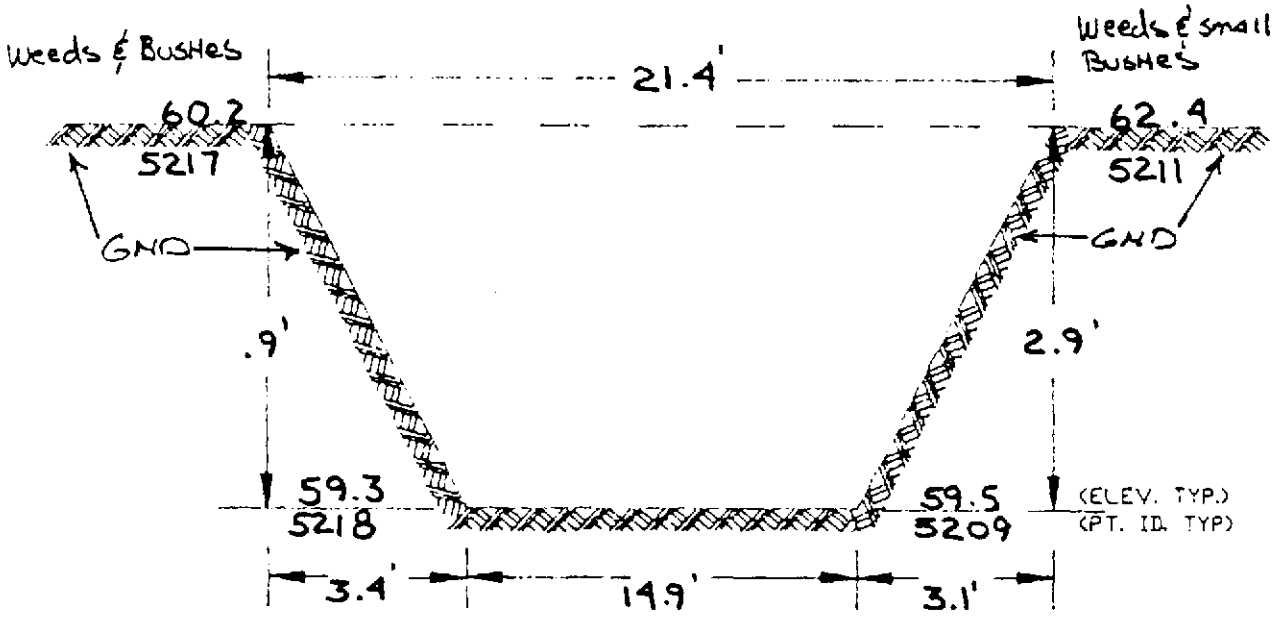


Note: All sections are viewed by standing down stream and looking up stream.

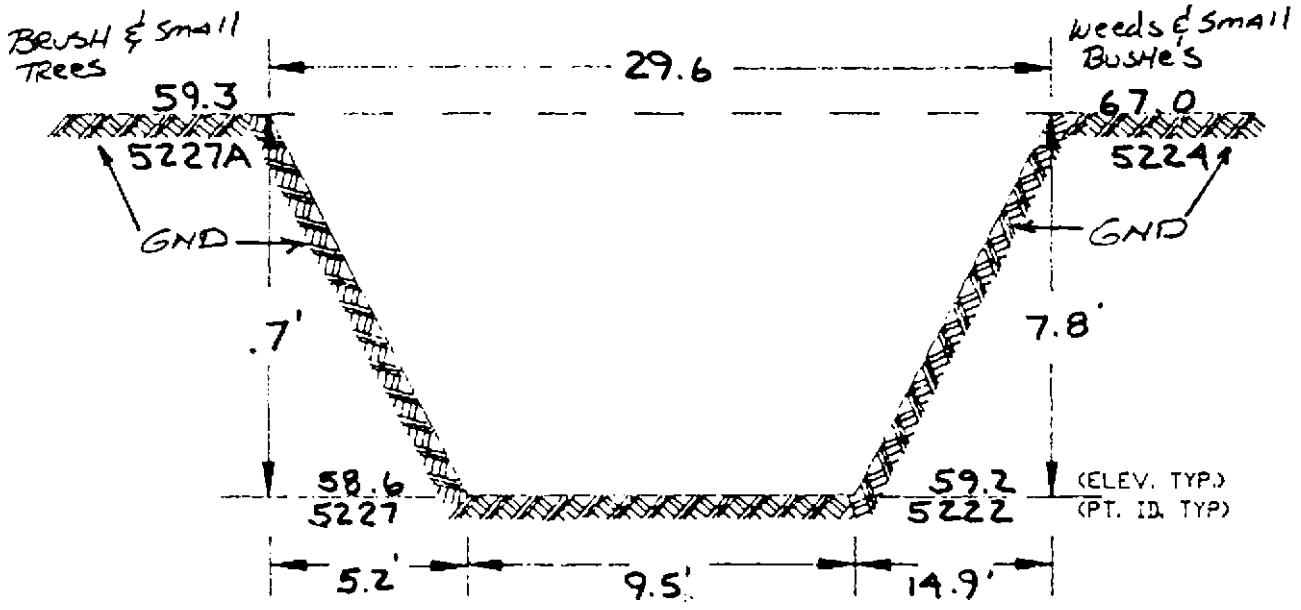
JOB NO. IW062.00	DITCH 8 SECTION 1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 1 OF 5
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



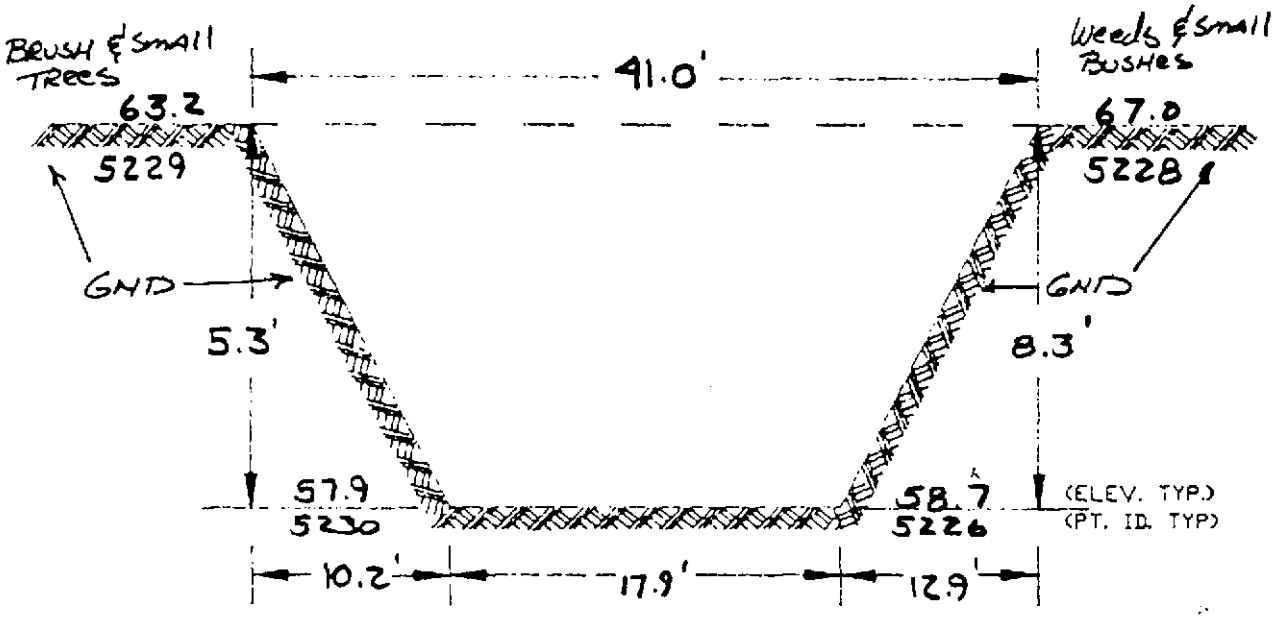
JOB NO. IW062.00	DITCH B SECTION 2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 2 OF 5
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



JOB NO. IW062.00	DITCH B SECTION 3	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 3 OF 5
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4

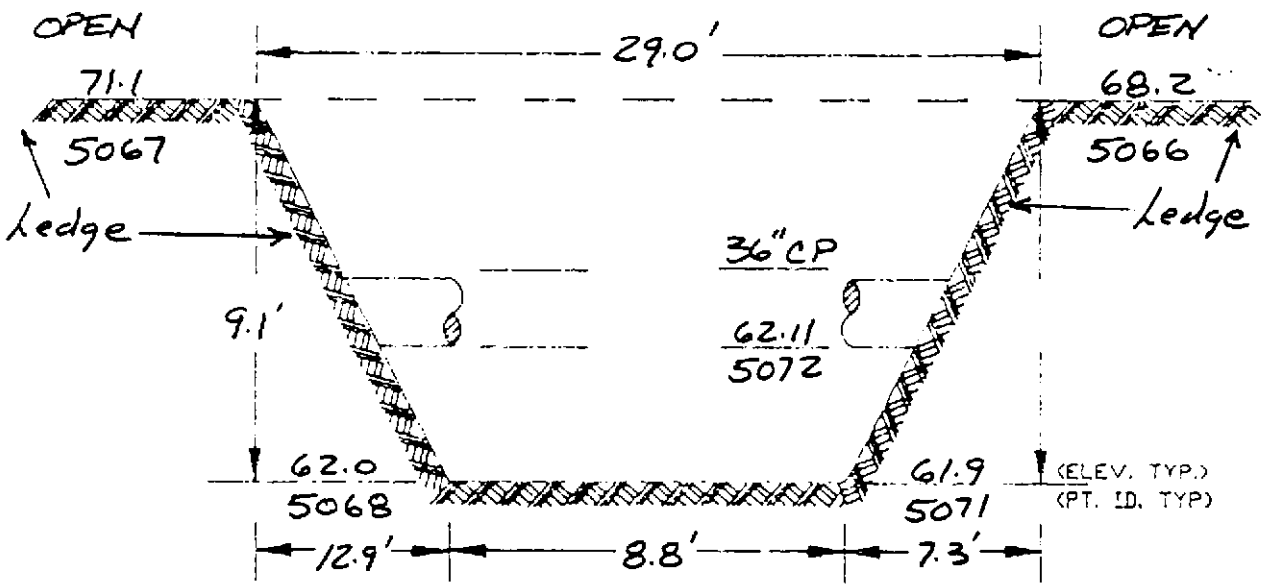


JOB NO. IW062.00	DITCH B SECTION 4	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 4 OF 5
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



JOB NO. IW062.00	DITCH B SECTION 5	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 5 OF 5
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4

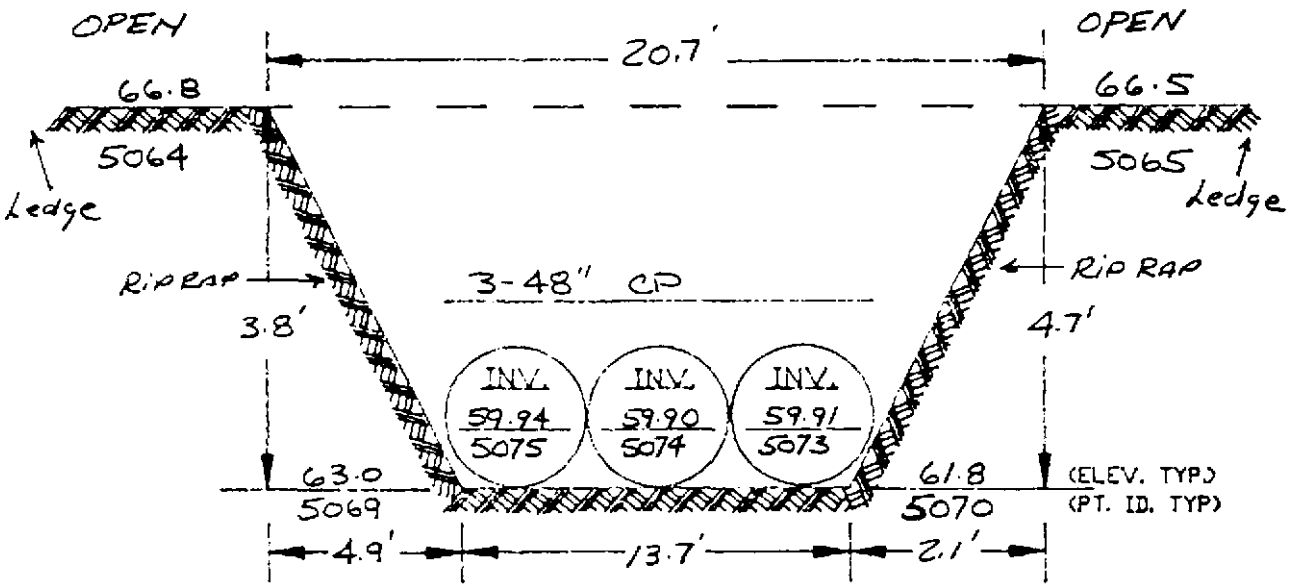
COMMONWEALTH OF MASSACHUSETTS
PHILIP E. BURROWS #35778 REGISTERED PROFESSIONAL LAND SURVEYOR



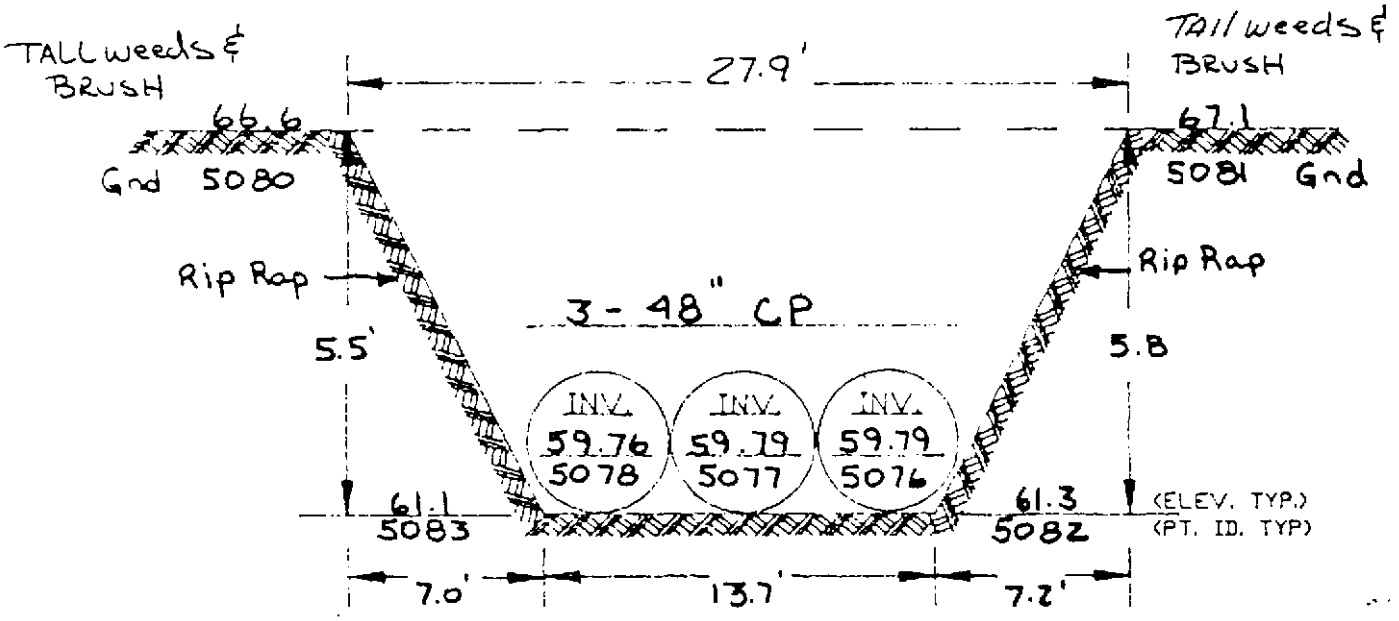
NOTE: ALL SECTIONS ARE VIEWED BY STANDING DOWNSTREAM AND LOOKING UPSTREAM

Revised 4/29/91

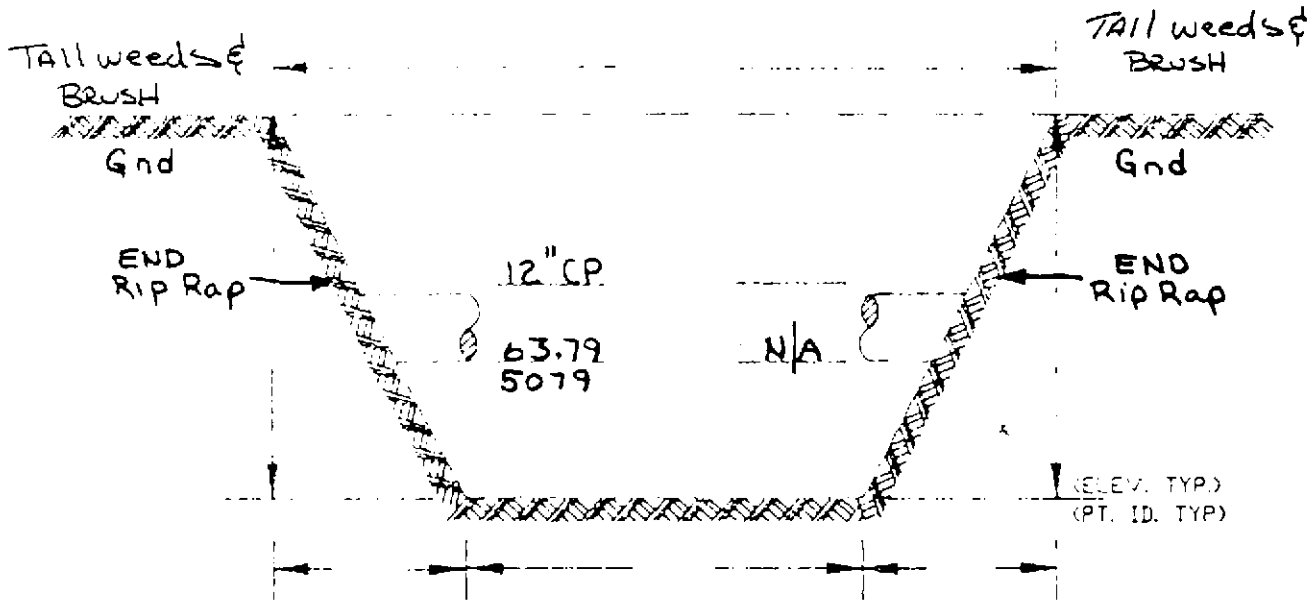
JOB NO. IW062.00	DITCH C SECTION 1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 1 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



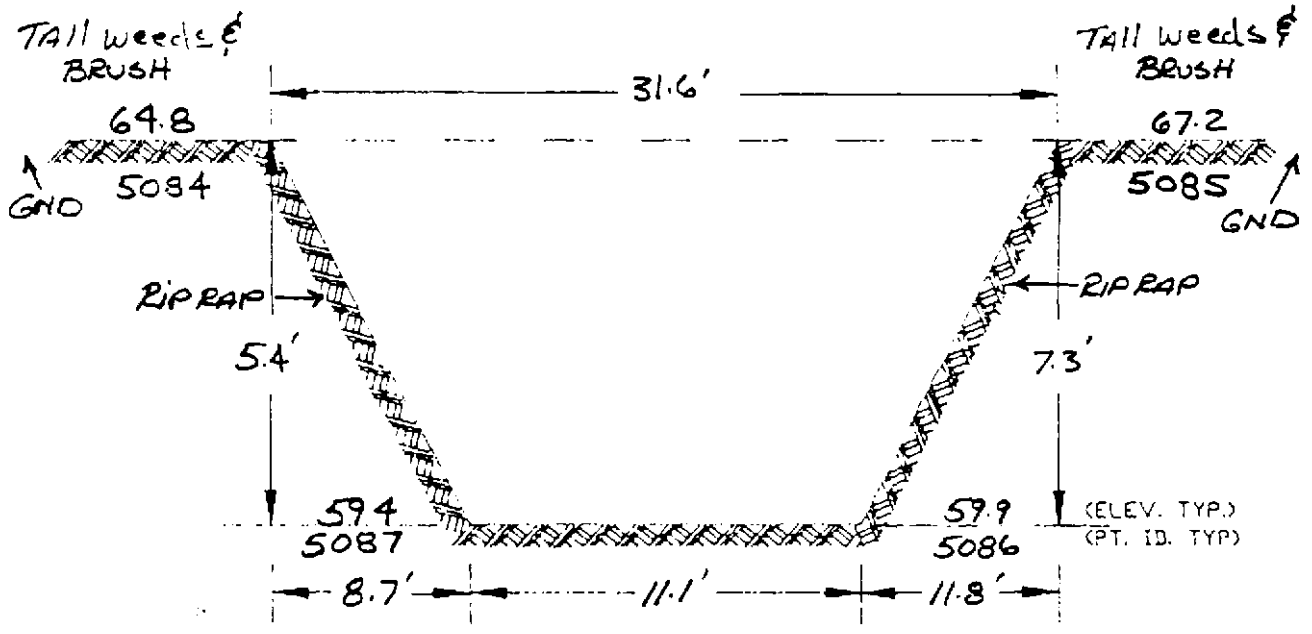
JOB NO. IW062.00	DITCH C SECTION 2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 2 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



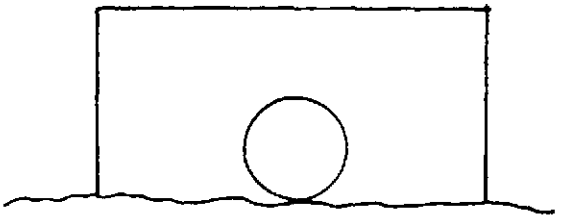
JOB NO. IW062.00	DITCH C SECTION 3	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 3 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWA NORTHEAST	3 OF 4



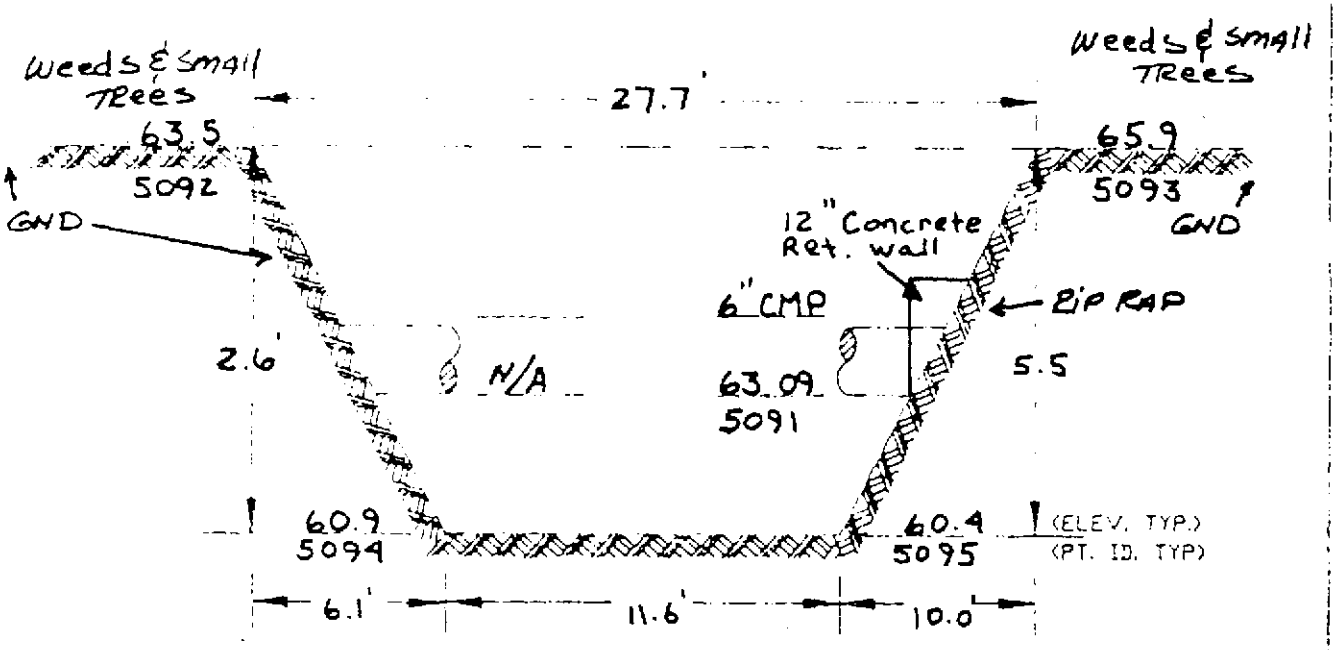
JOB NO. IW062.00	DITCH C SECTION 3.1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 4 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



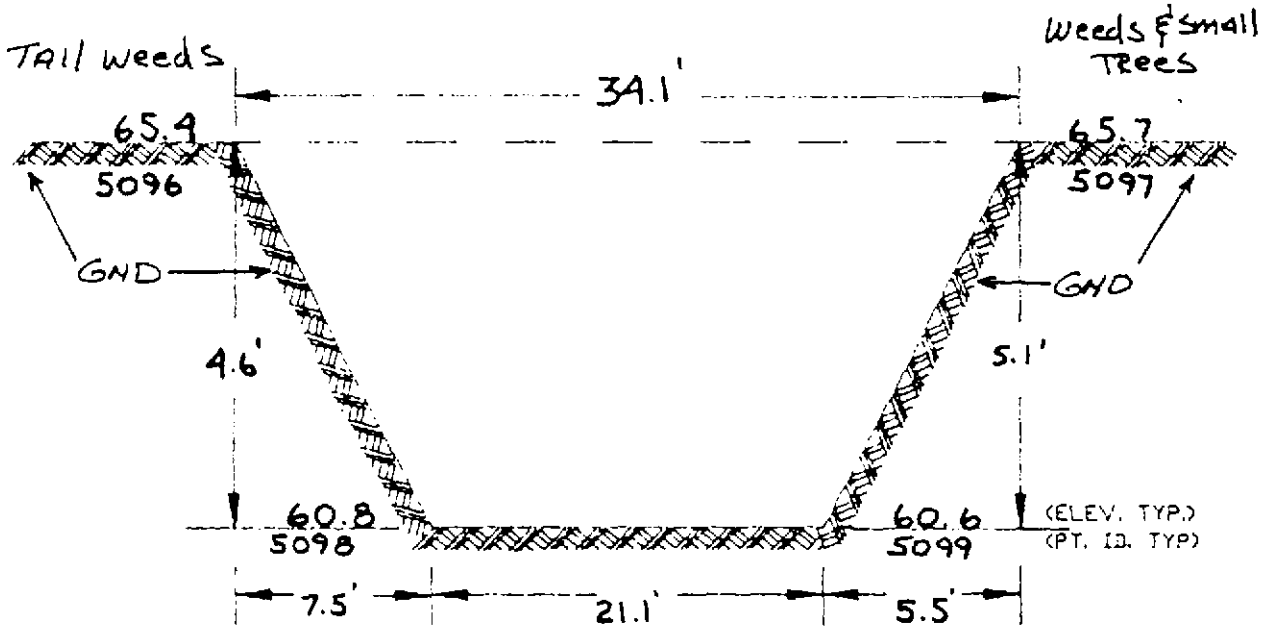
JOB NO. IW062.00	DITCH C SECTION 4	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 5 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWA NORTHEAST	3 OF 4



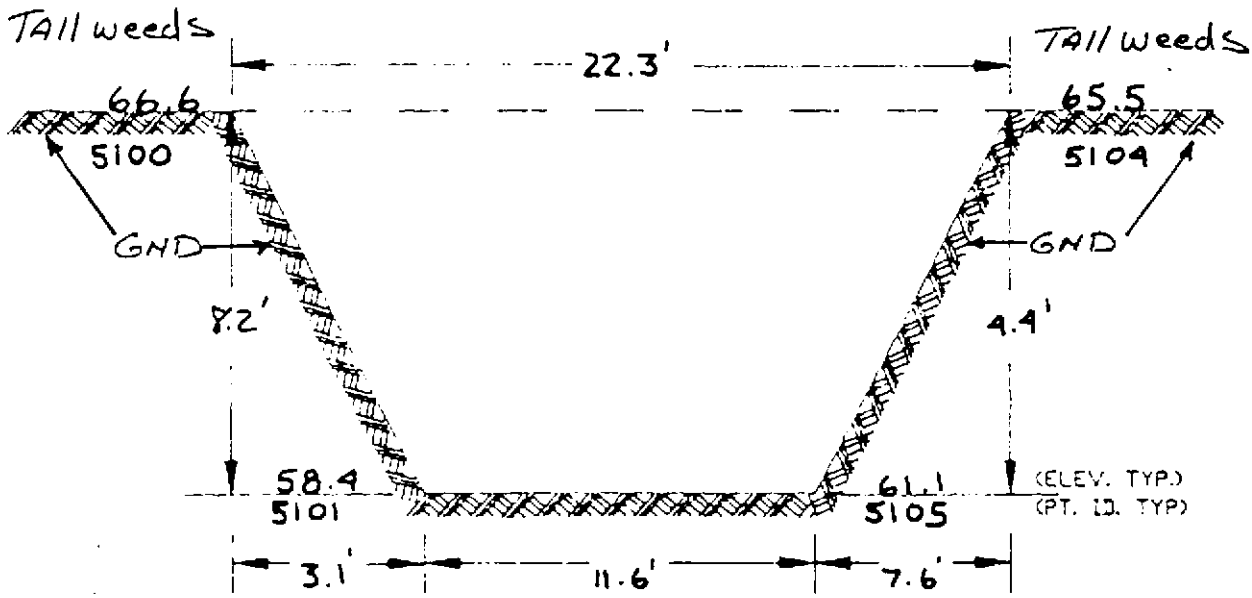
Head Wall



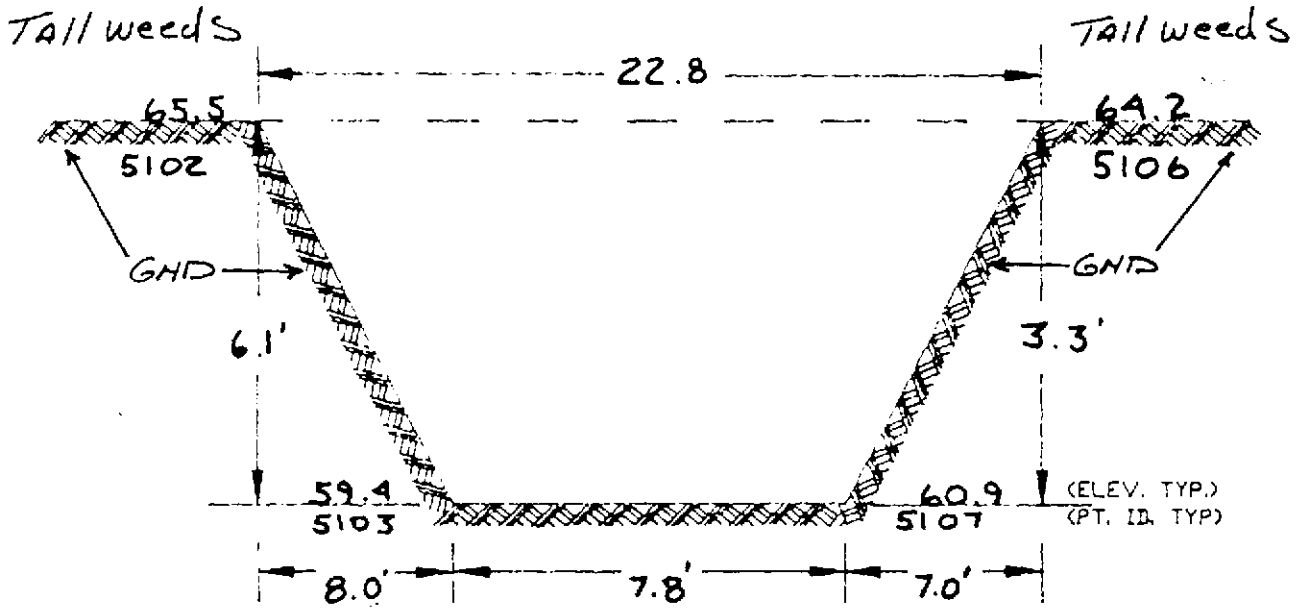
JOB NO. IW062.00	DITCH C SECTION 5	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 6 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



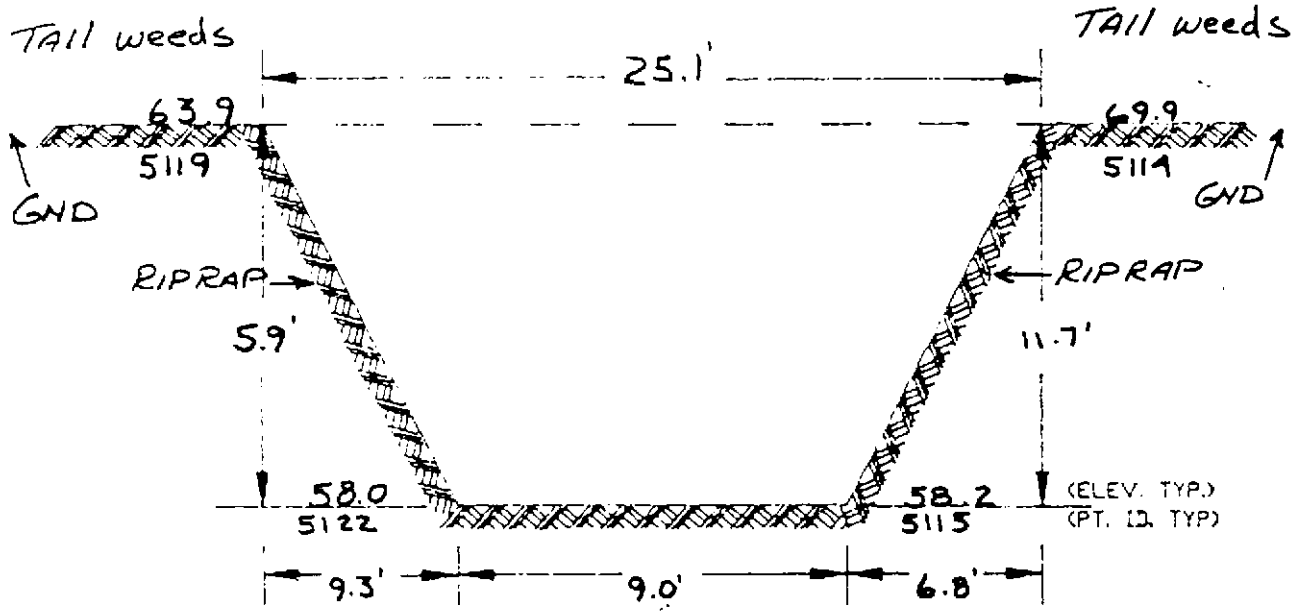
JOB NO. IW062.00	DITCH C SECTION 6	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 7 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



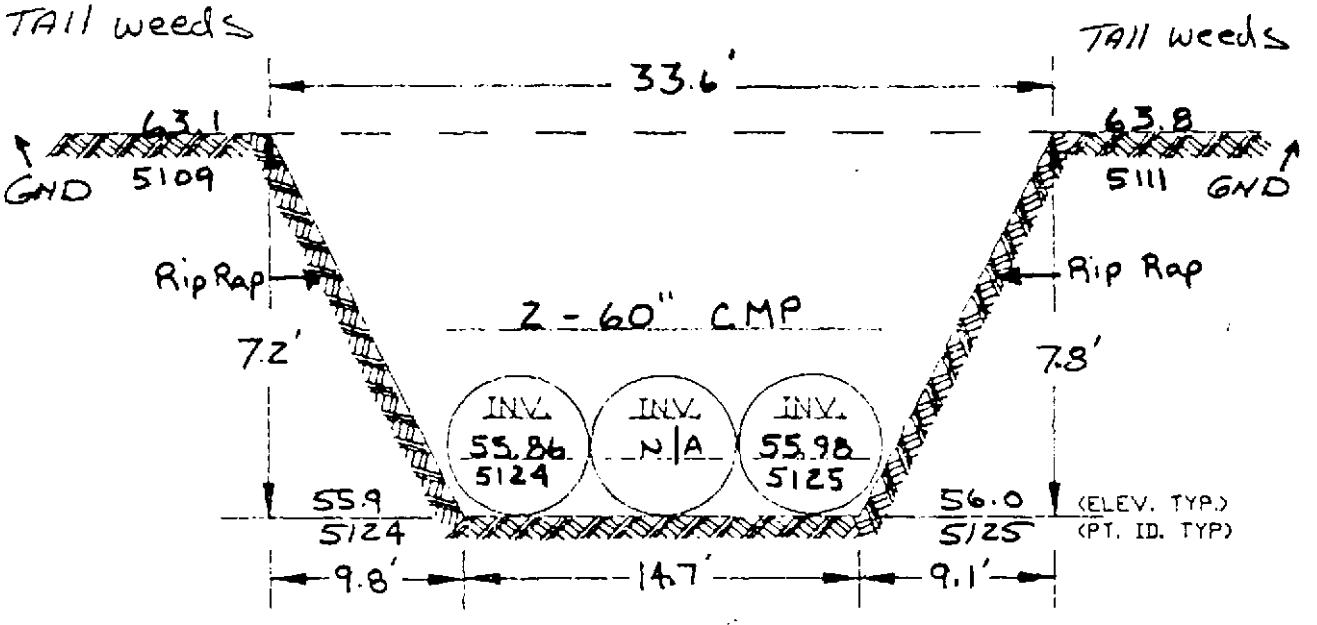
JOB NO. IW062.00	DITCH C SECTION 7	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 8 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



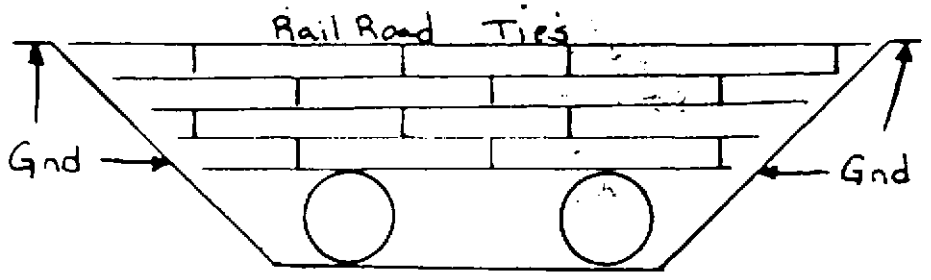
JOB NO. IW062.00	DITCH C SECTION 8	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 9 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



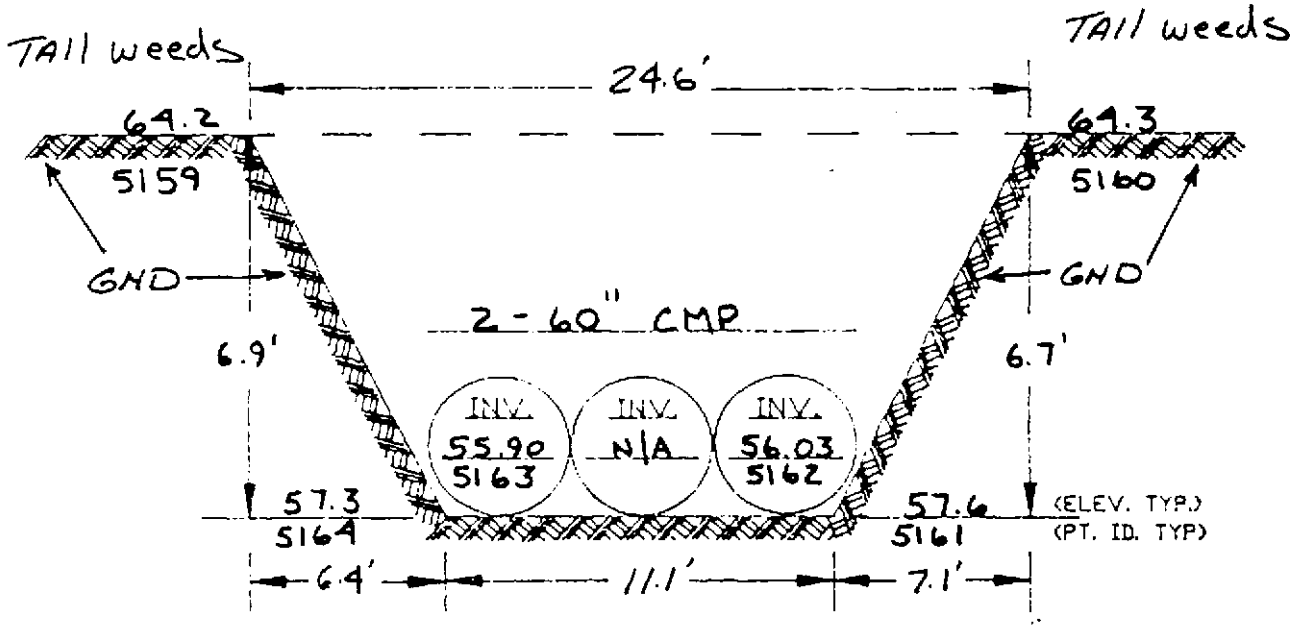
JOB NO. IW062.00	DITCH C SECTION 9	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 10 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



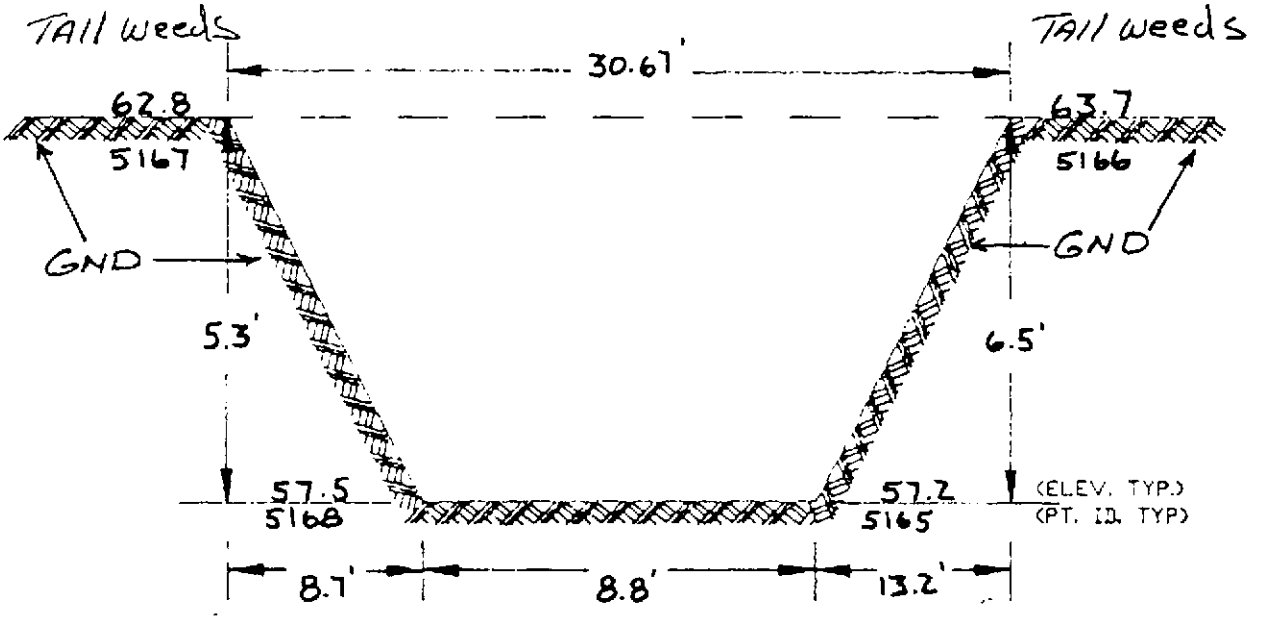
JOB NO. IWO62.00	DITCH C SECTION 10	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 11 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



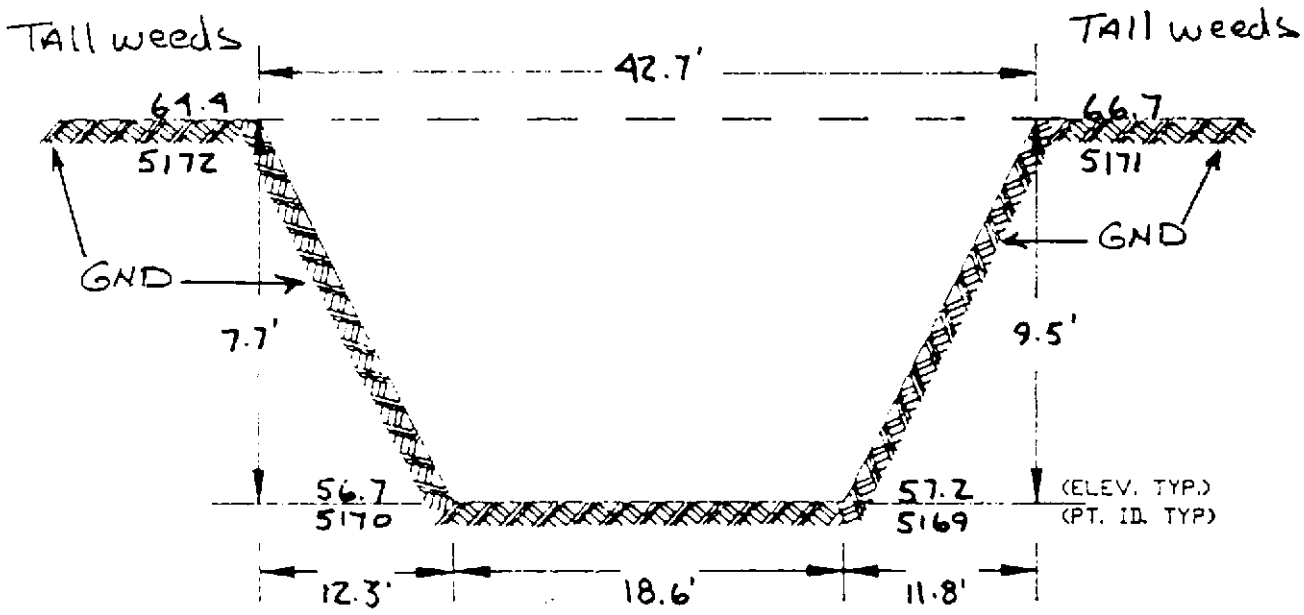
Head Wall



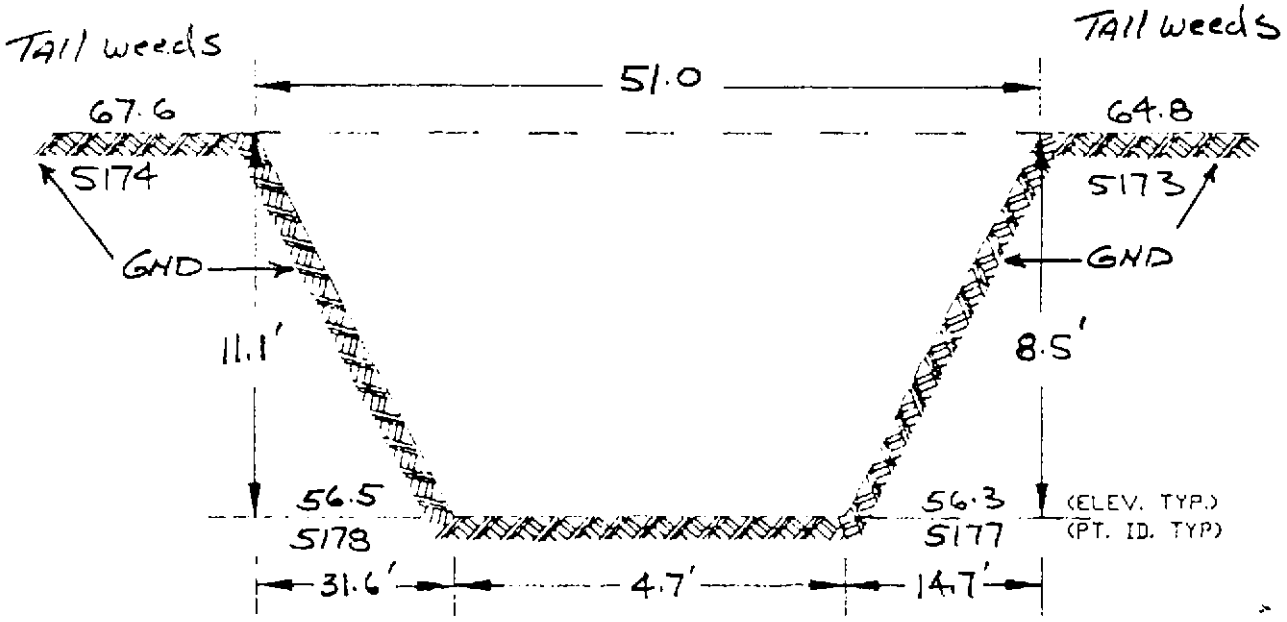
JOB NO. IWO62.00	DITCH C SECTION 11	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 12 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



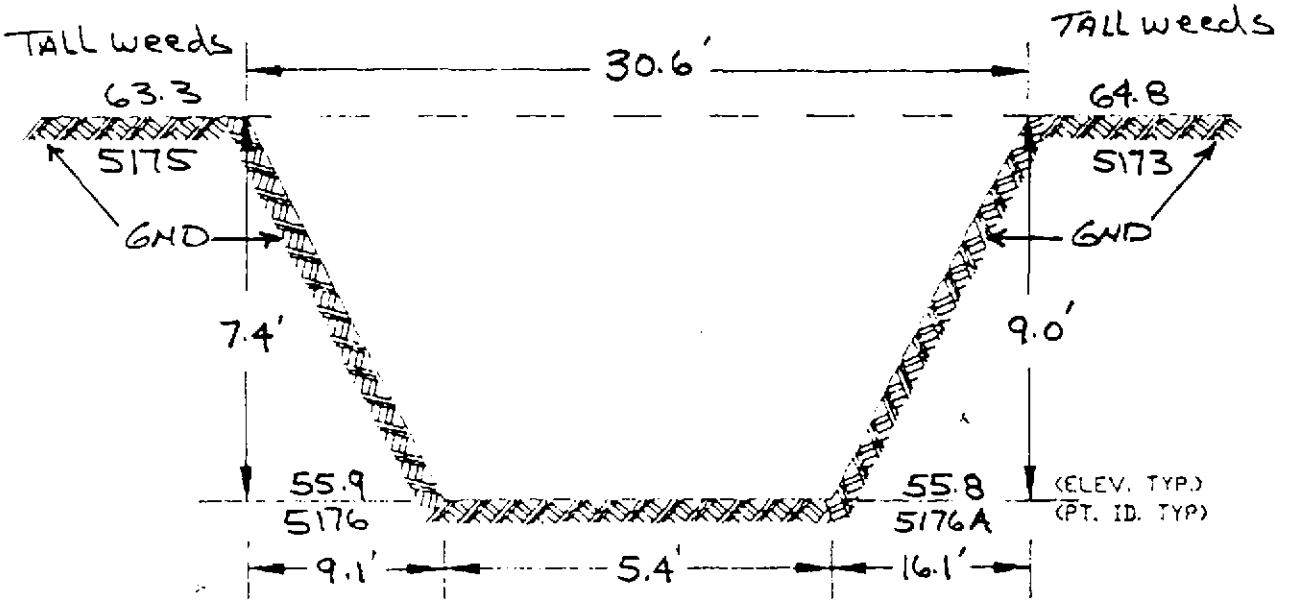
JOB NO. IW062.00	DITCH C SECTION 12	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 13 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



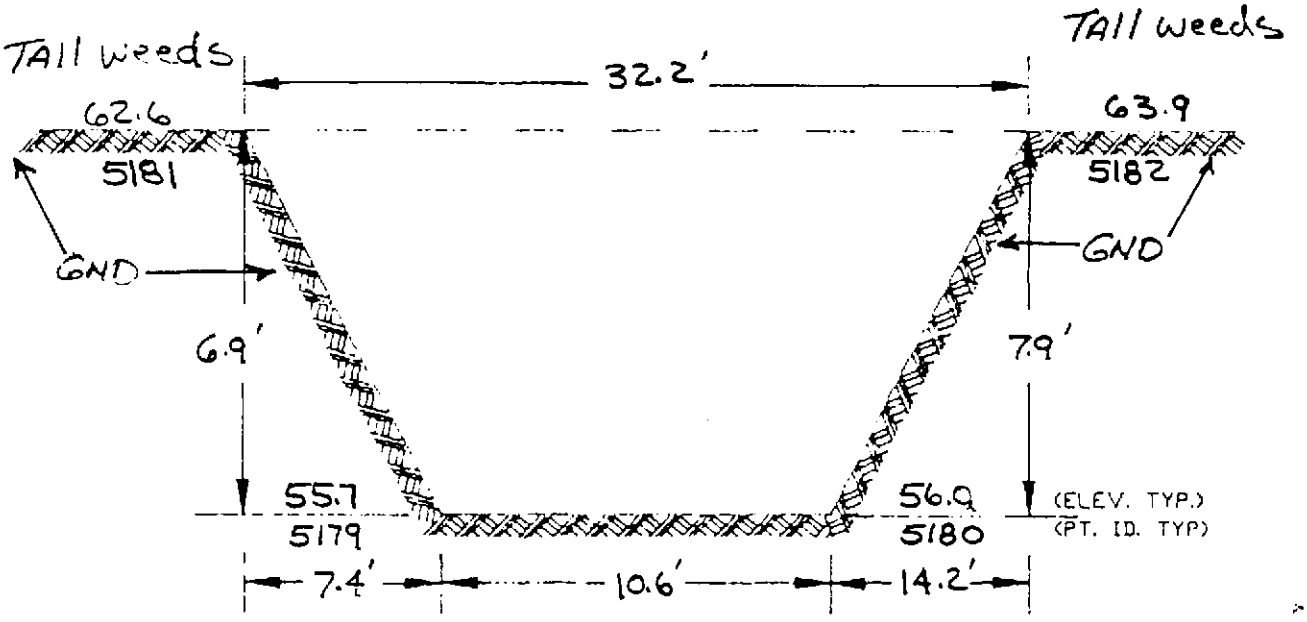
JOB NO. 1W062.00	DITCH C SECTION 13	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 19 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



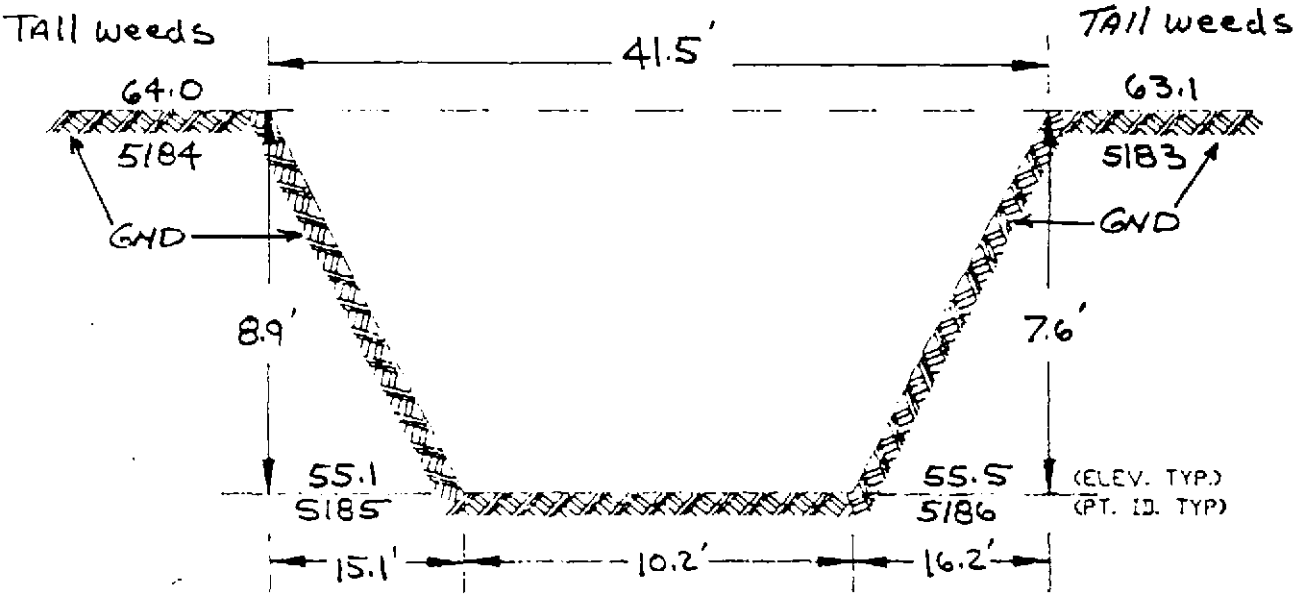
JOB NO. IW062.00	DITCH C SECTION 14	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 15 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



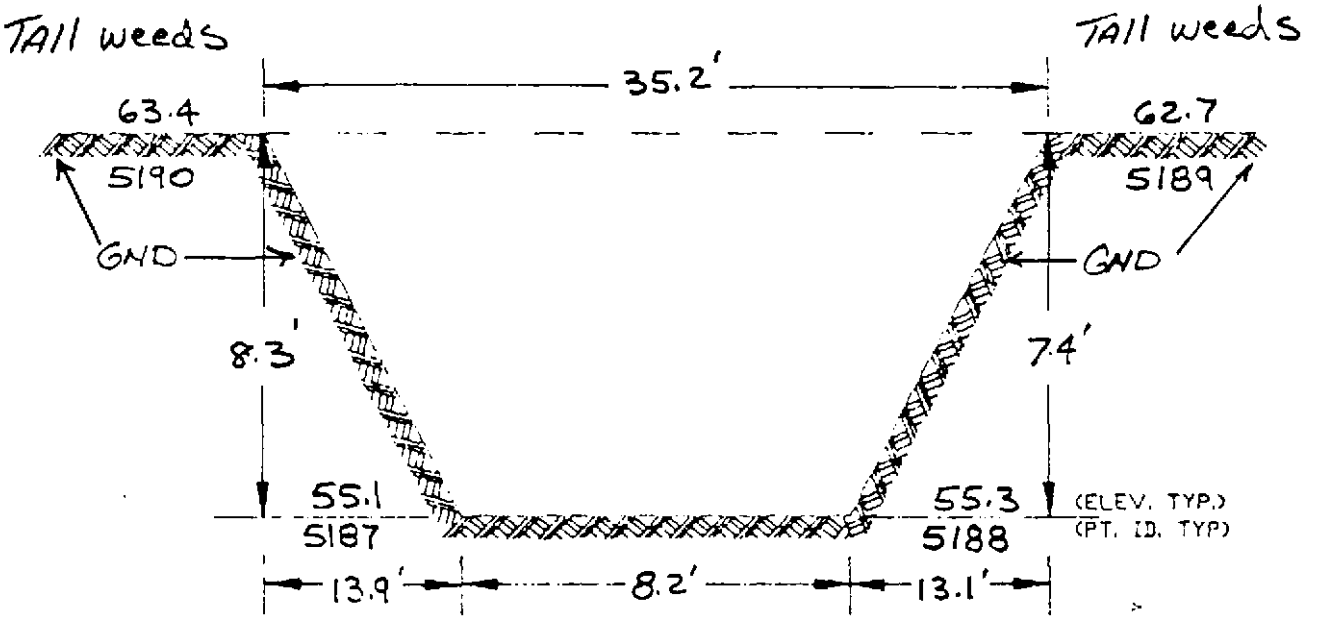
JOB NO. IW062.00	DITCH C SECTION 15	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 16 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



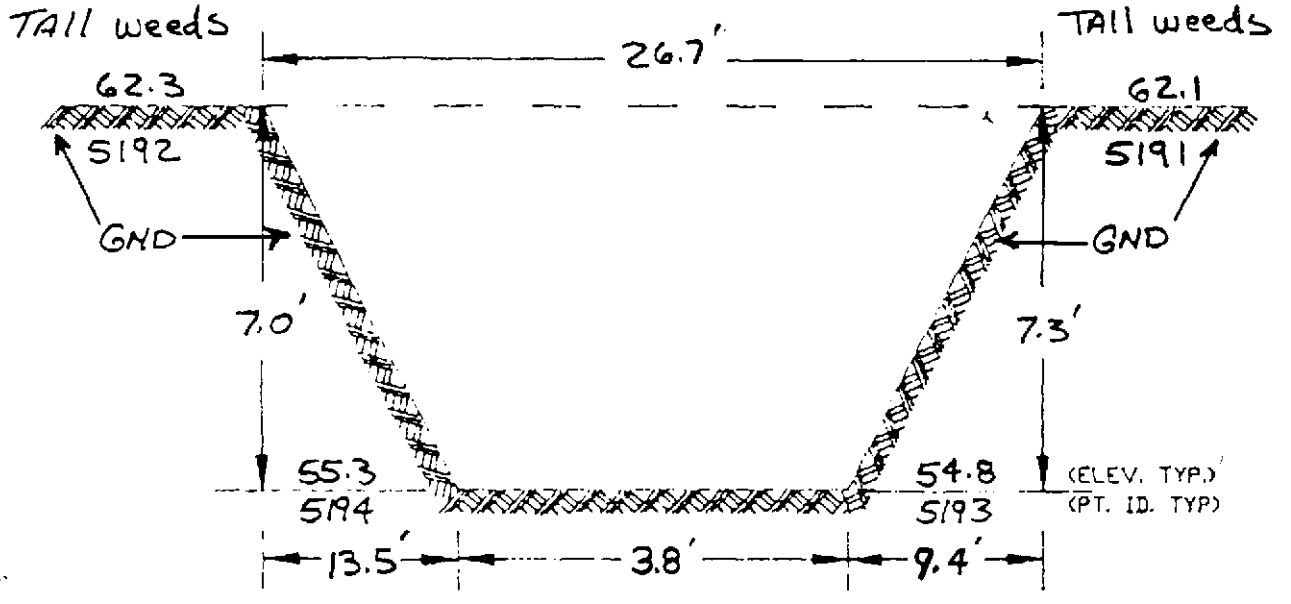
JOB NO. IWO62.00	DITCH C SECTION 16	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 17 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



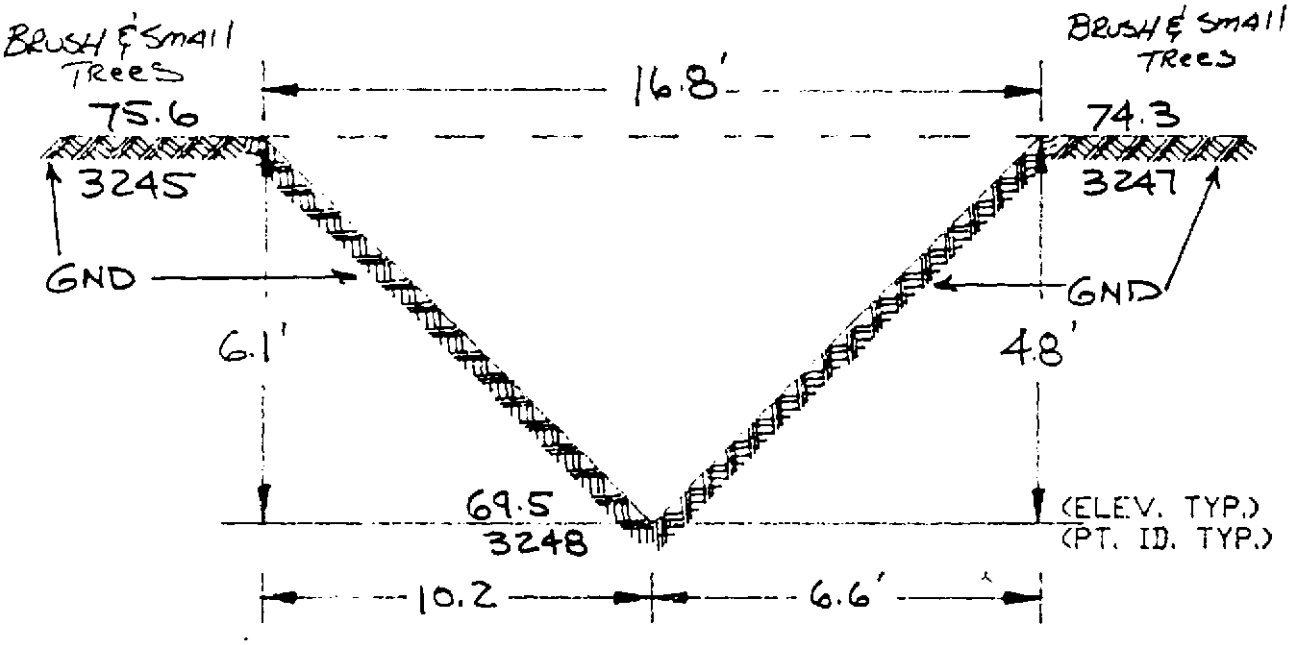
JOB NO. IW062.00	DITCH C SECTION 17	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 18 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



JOB NO. IWO62.00	DITCH C SECTION 18	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 19 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



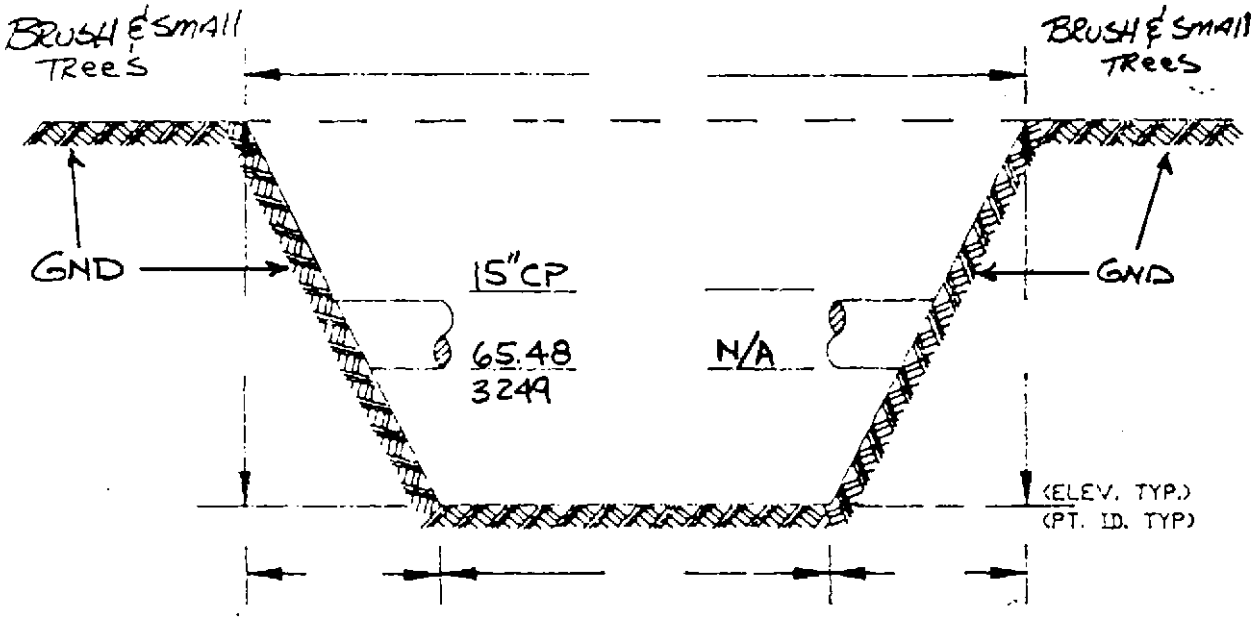
JOB NO. IW062.00	DITCH C SECTION 19	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 20 OF 20
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	3 OF 4



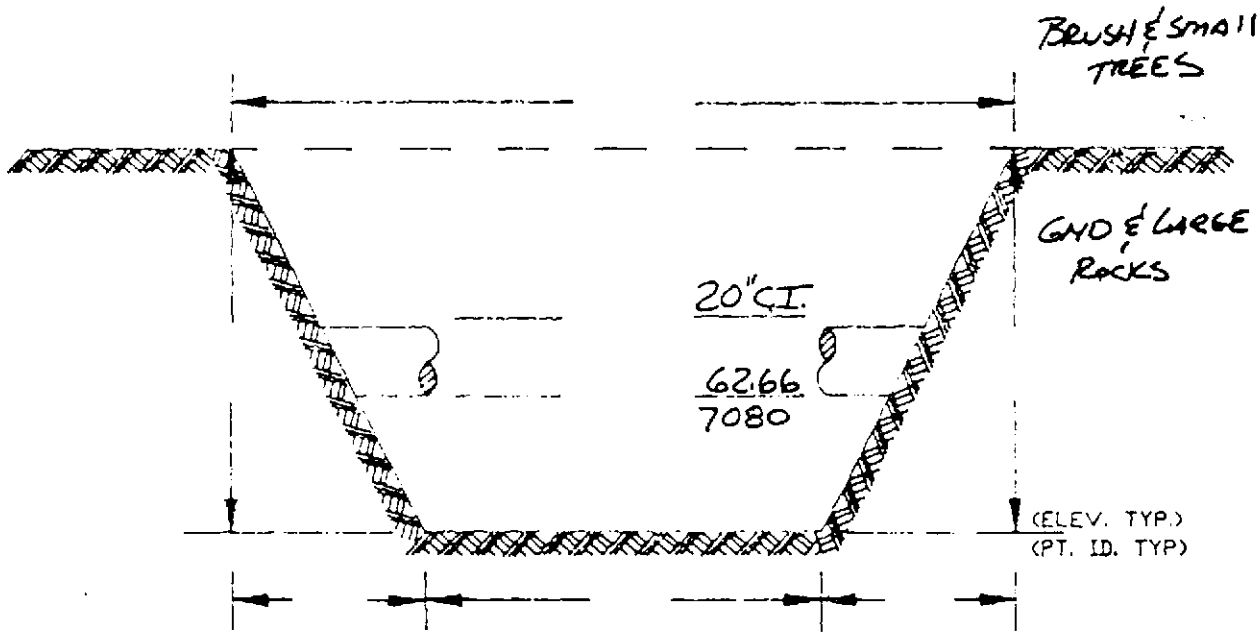
Note: All sections are viewed by standing downstream and looking upstream

Revised 12/16/91

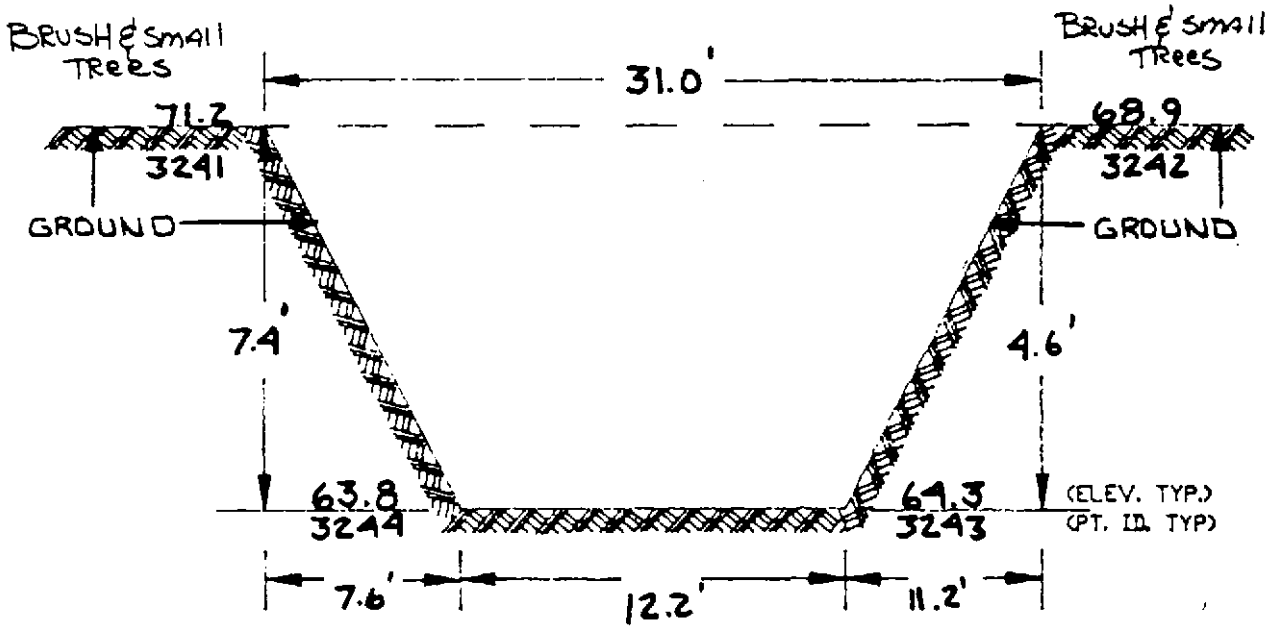
JOB NO. IW062.00	DITCH D SECTION 1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 1 OF 42
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



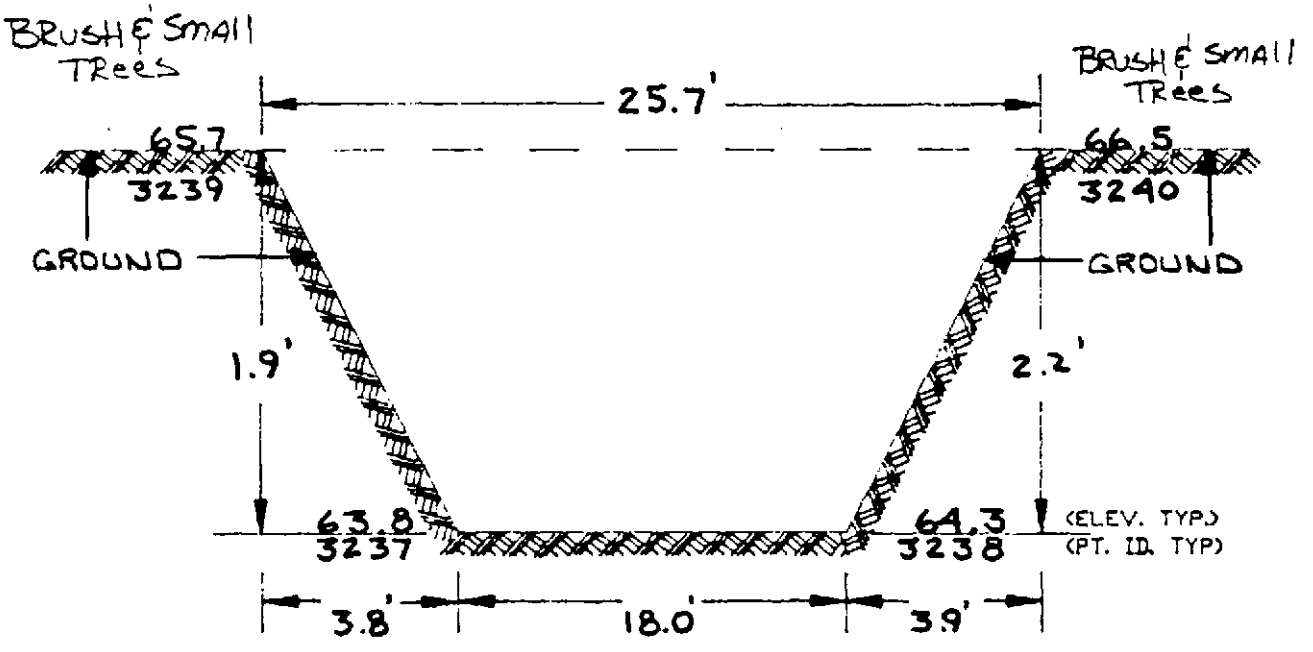
JOB NO. IW062.00	DITCH D SECTION 1.1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 2 OF 42
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	OF



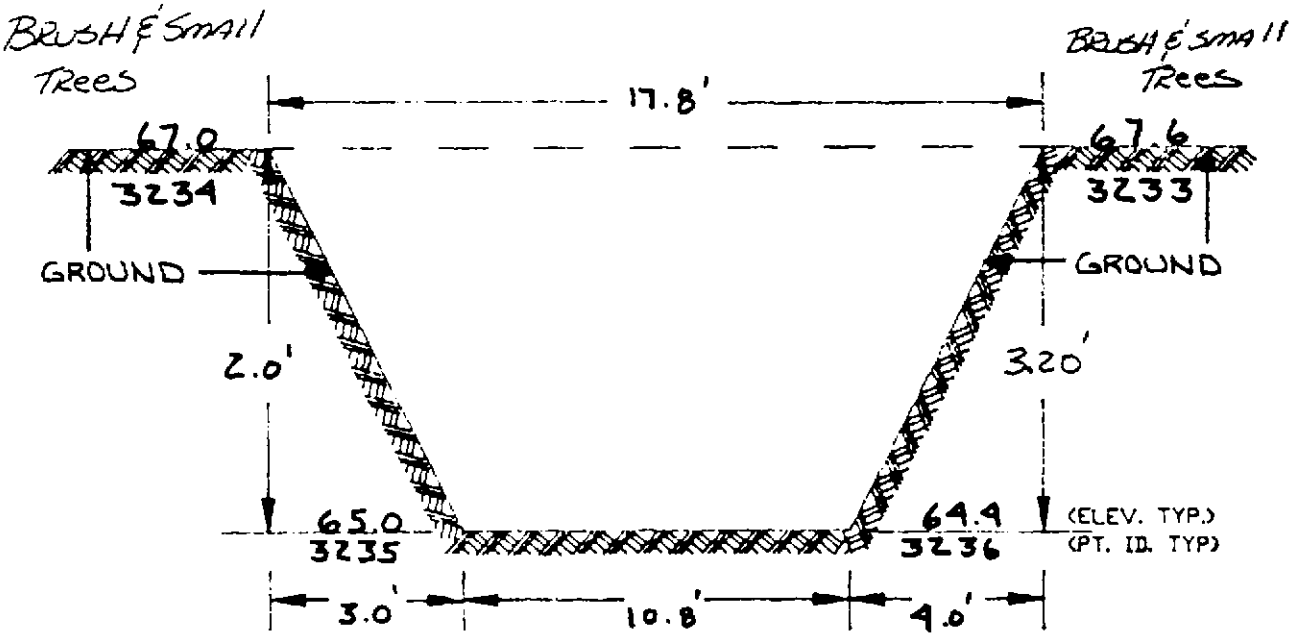
JOB NO. IW062.00	DITCH D SECTION 1-2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 3 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



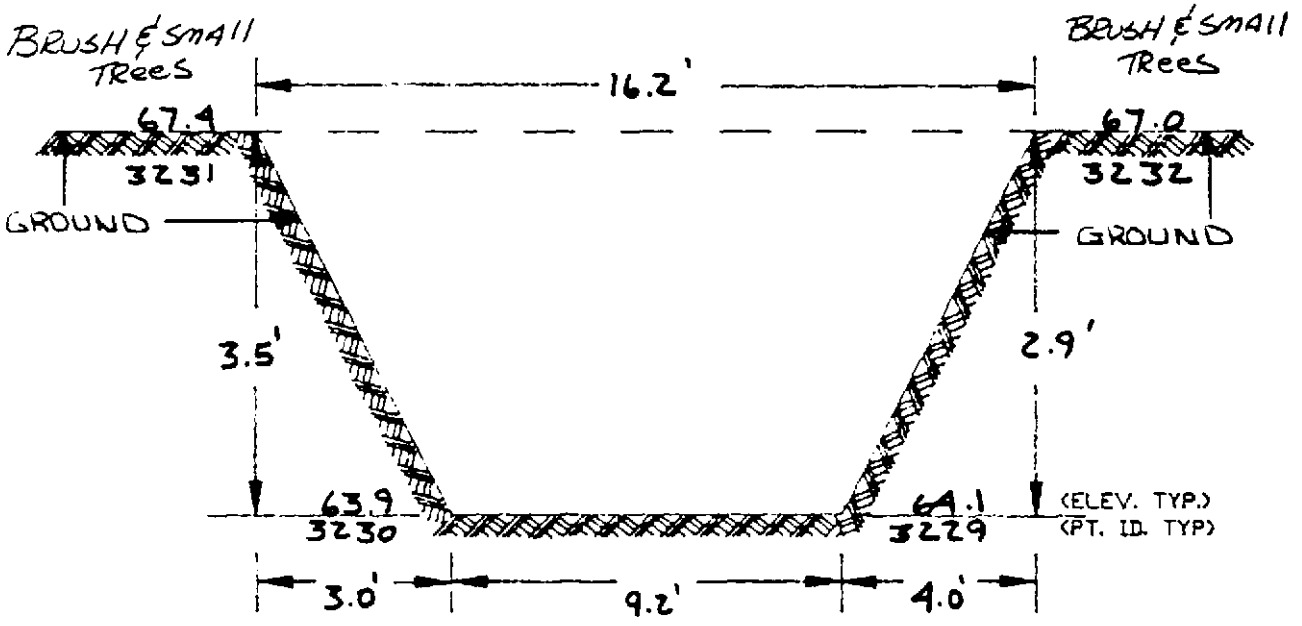
JOB NO. IW062.00	DITCH D SECTION 2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 4 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



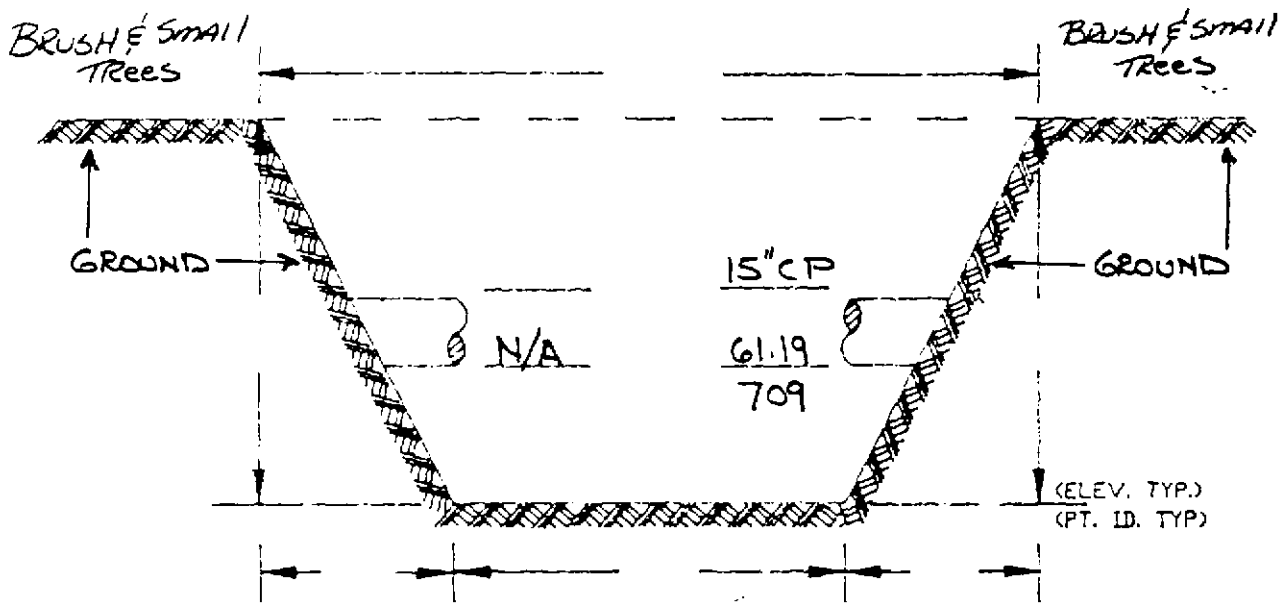
JOB NO. IW062.00	DITCH D SECTION 3	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 5 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



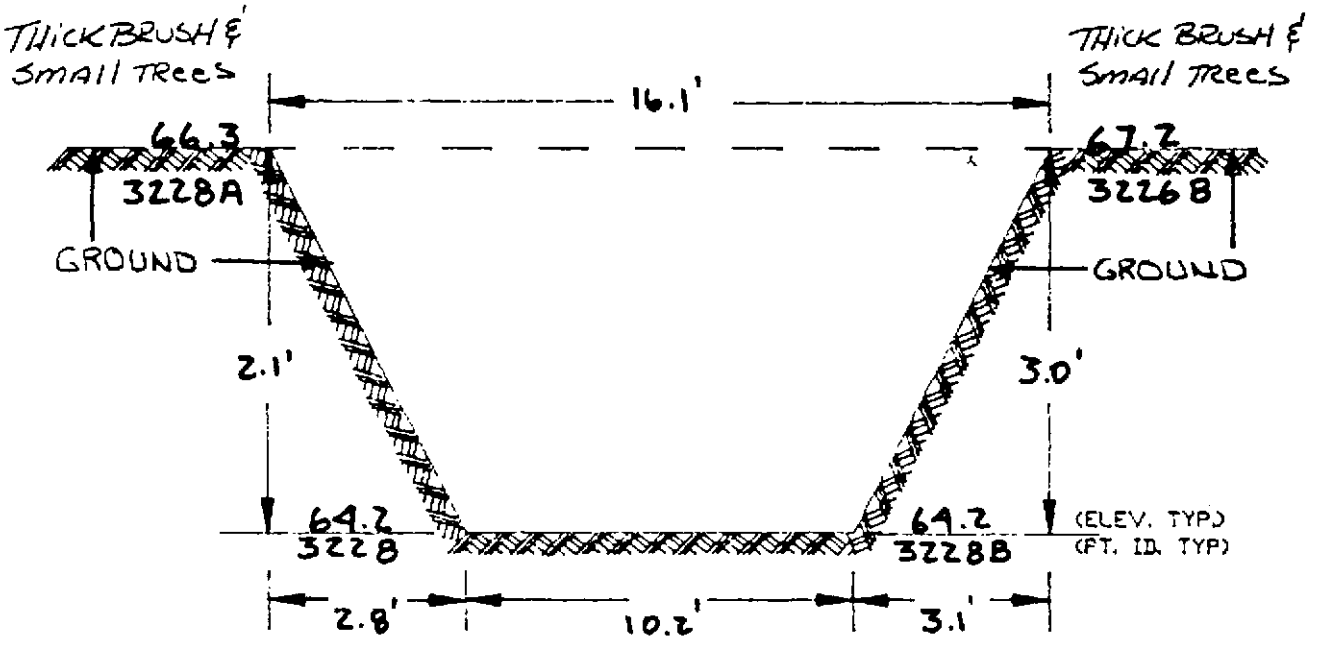
JOB NO. IW062.00	DITCH D SECTION 4	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 6 OF43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



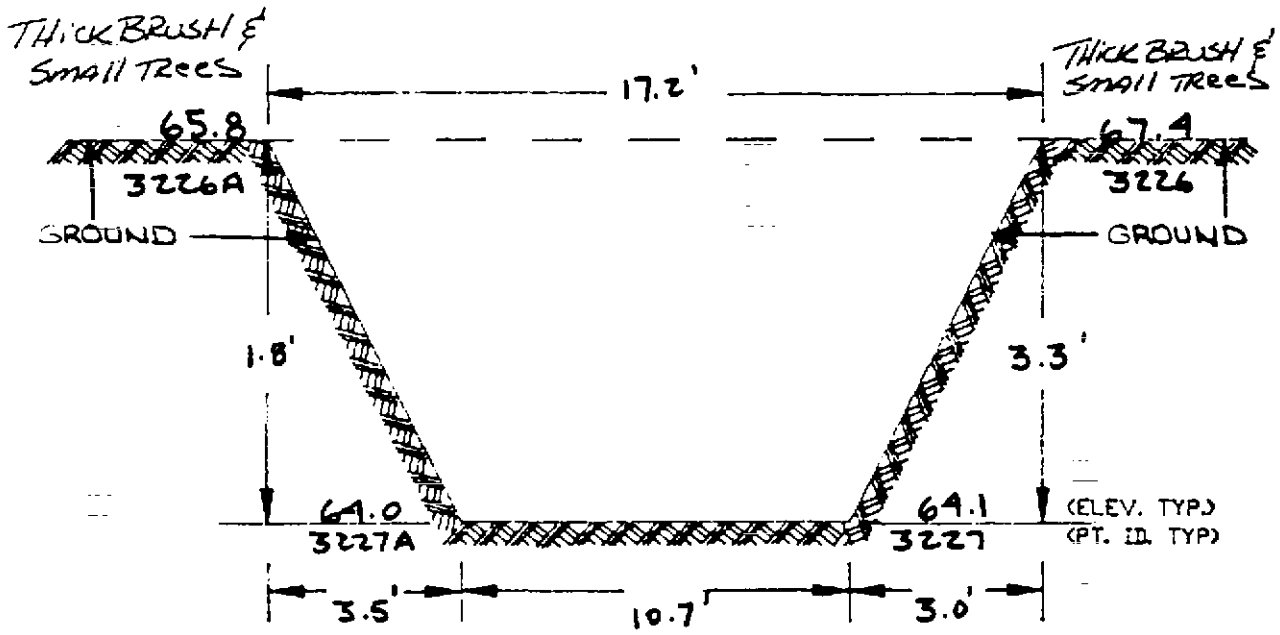
JOB NO. IW062.00	DITCH D SECTION 5	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 7 OF43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF4



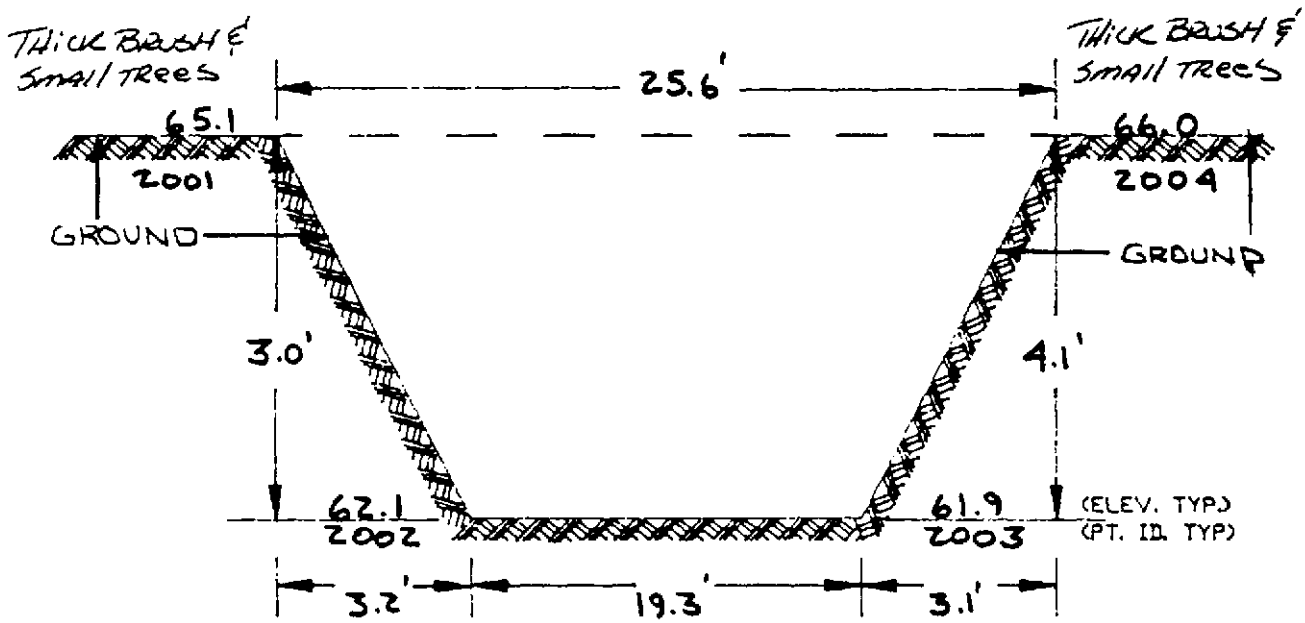
JOB NO. IW062.00	DITCH D SECTION 5.1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 8 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



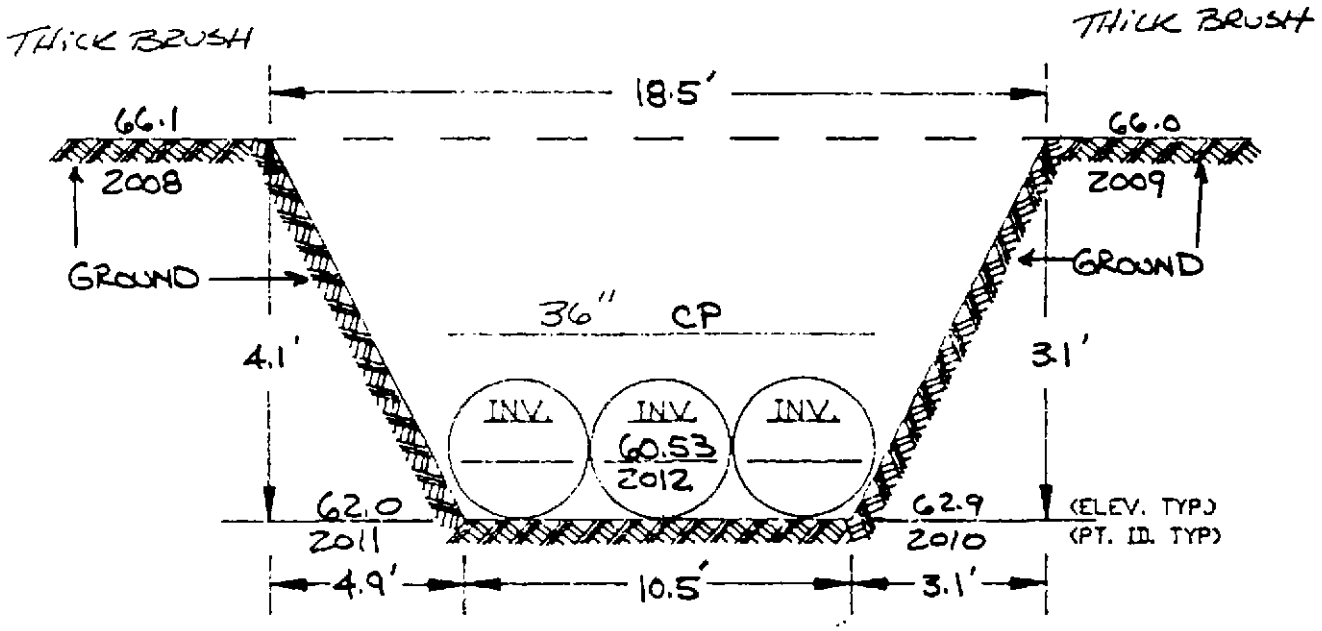
JOB NO. IW062.00	DITCH D SECTION 6	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 9 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



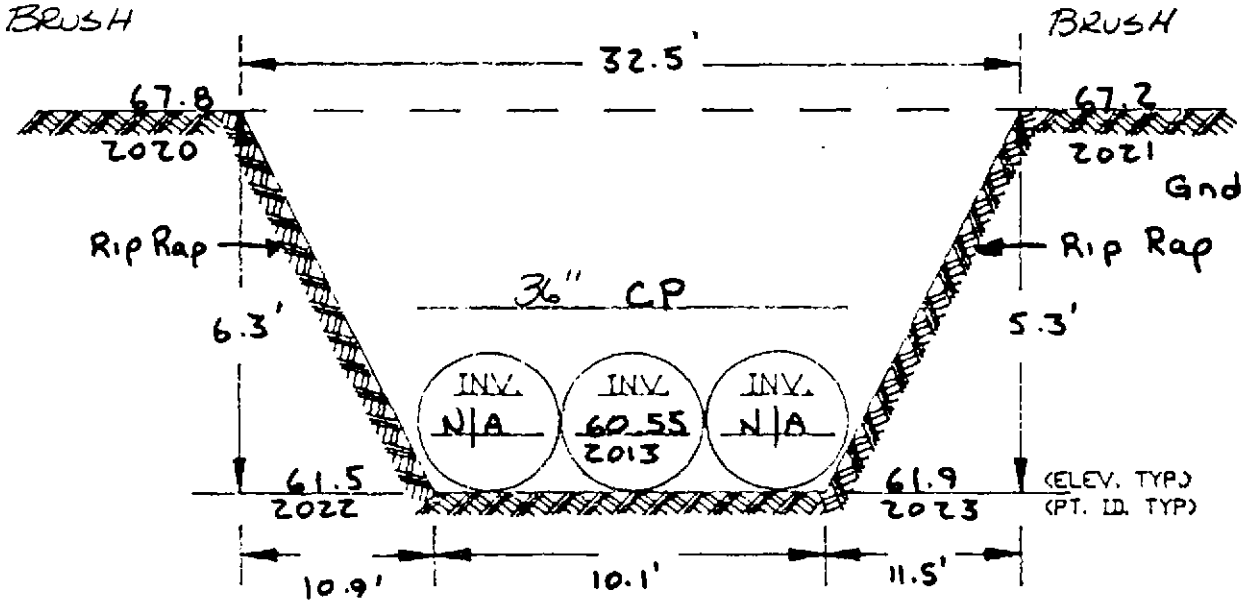
JOB NO. IW062.00	DITCH D SECTION 7	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 10 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



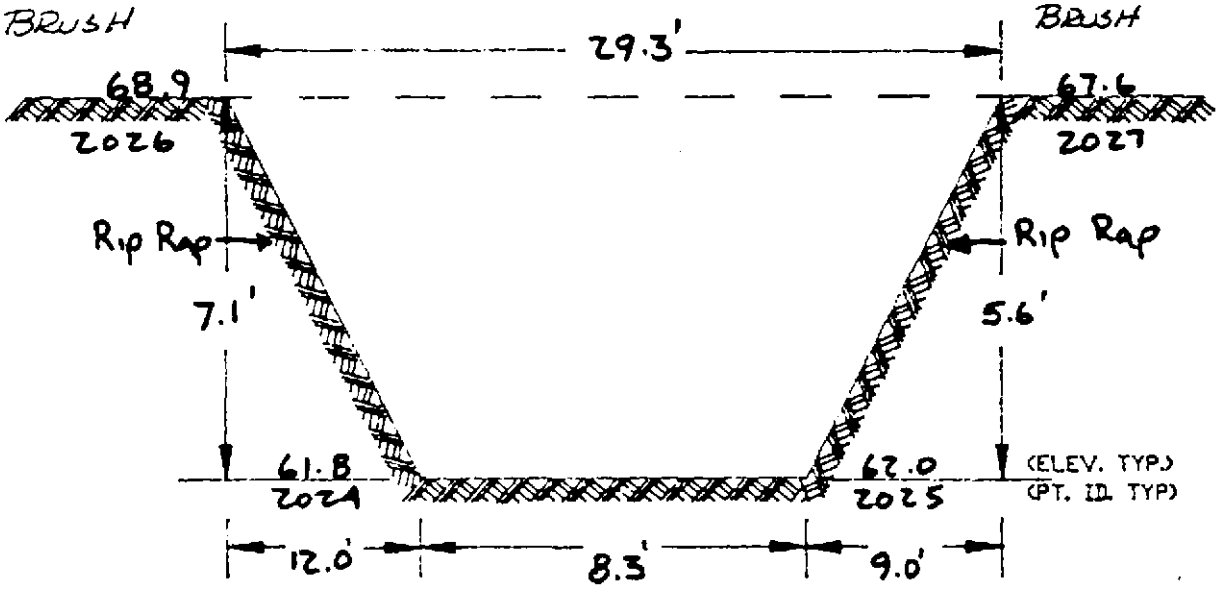
JOB NO. IW062.00	DITCH D SECTION 8	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 11 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



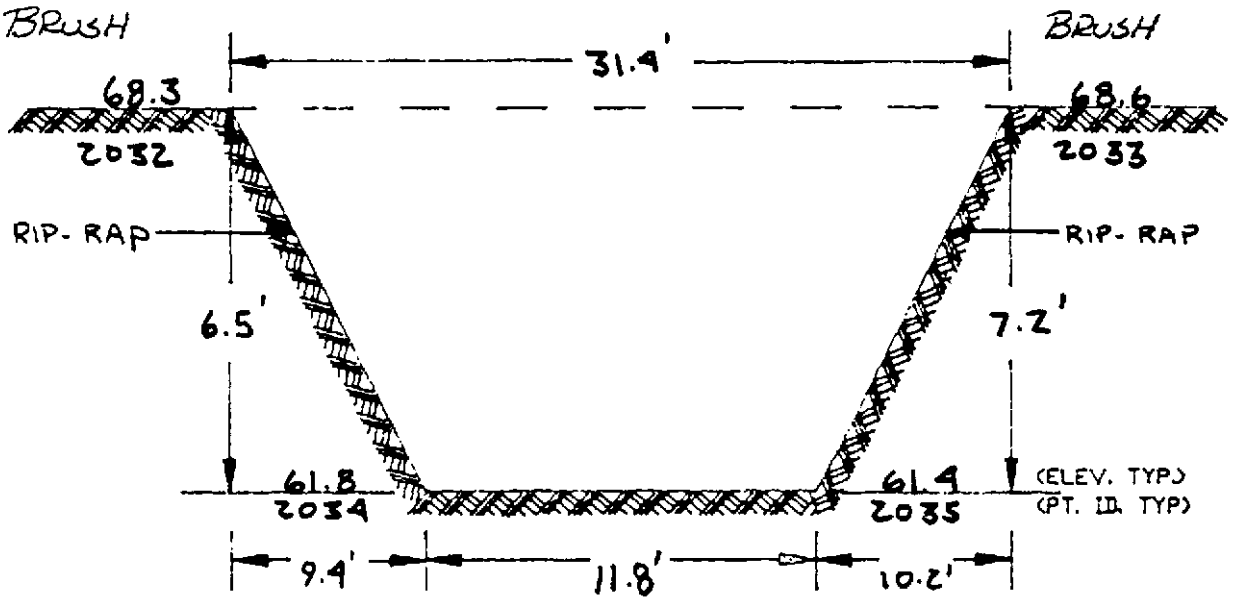
JOB NO. IW062.00	DITCH D SECTION 9	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 12 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



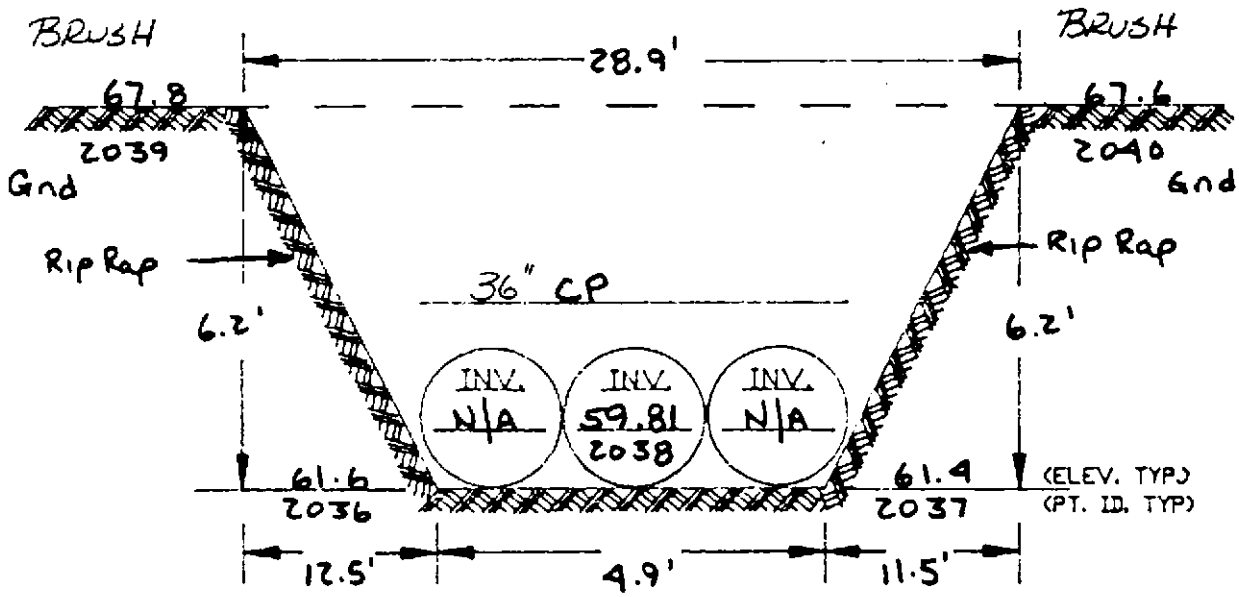
JOB NO. IW062.00	DITCH D SECTION 10	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 13 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



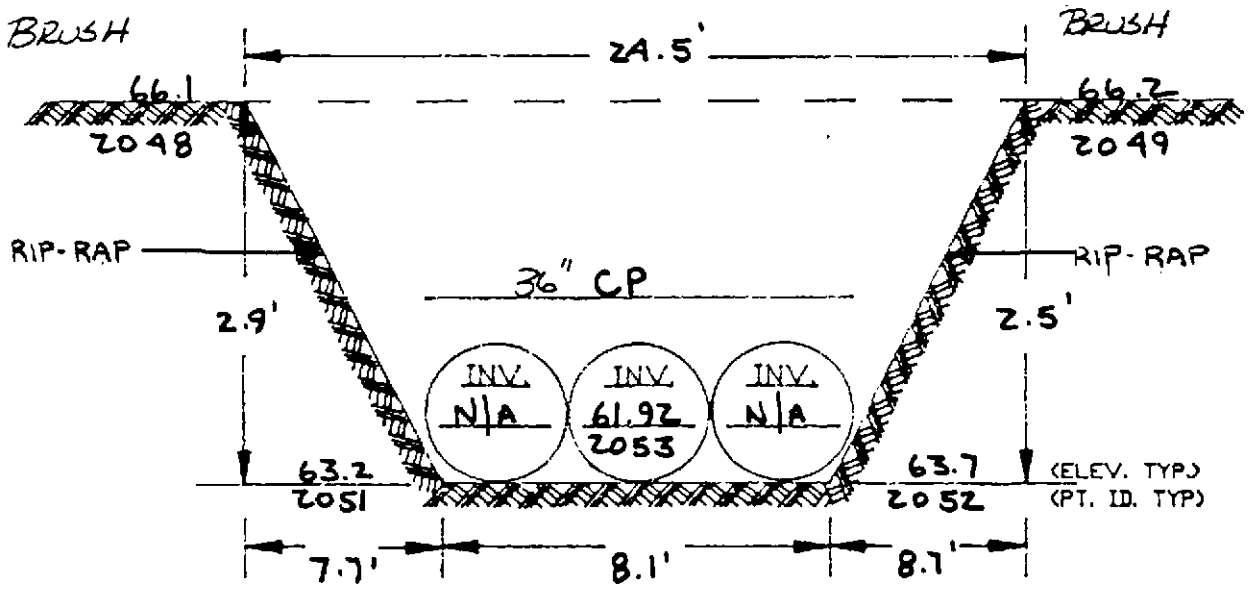
JOB NO. IW062.00	DITCH D SECTION 11	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 14 OF43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF4



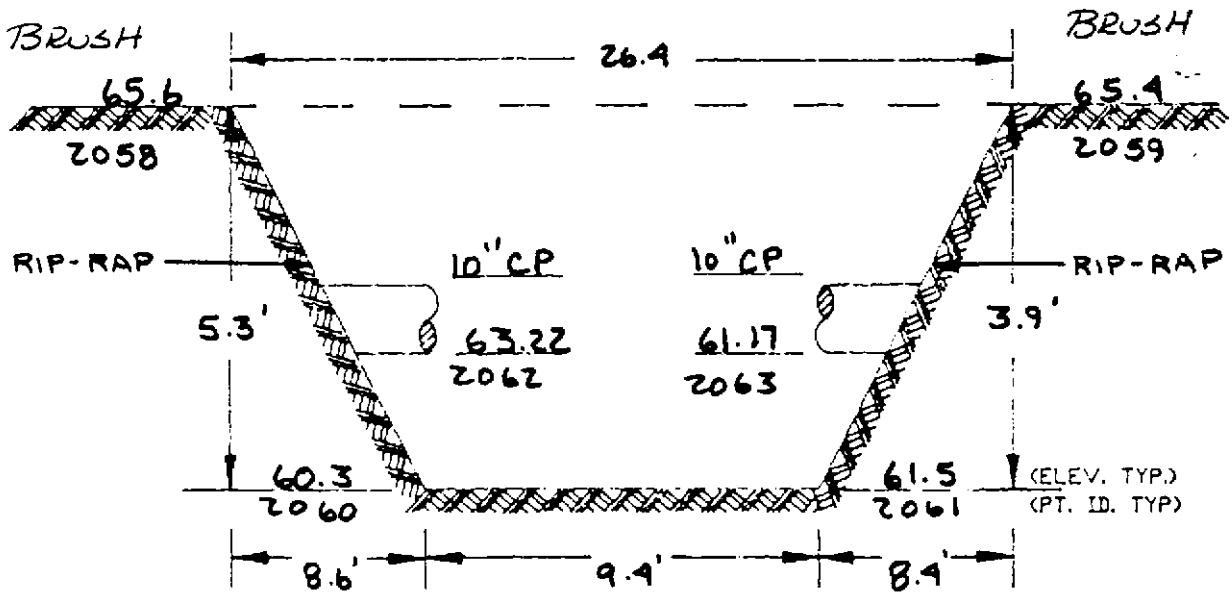
JOB NO. IW062.00	DITCH D SECTION 12	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 15 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



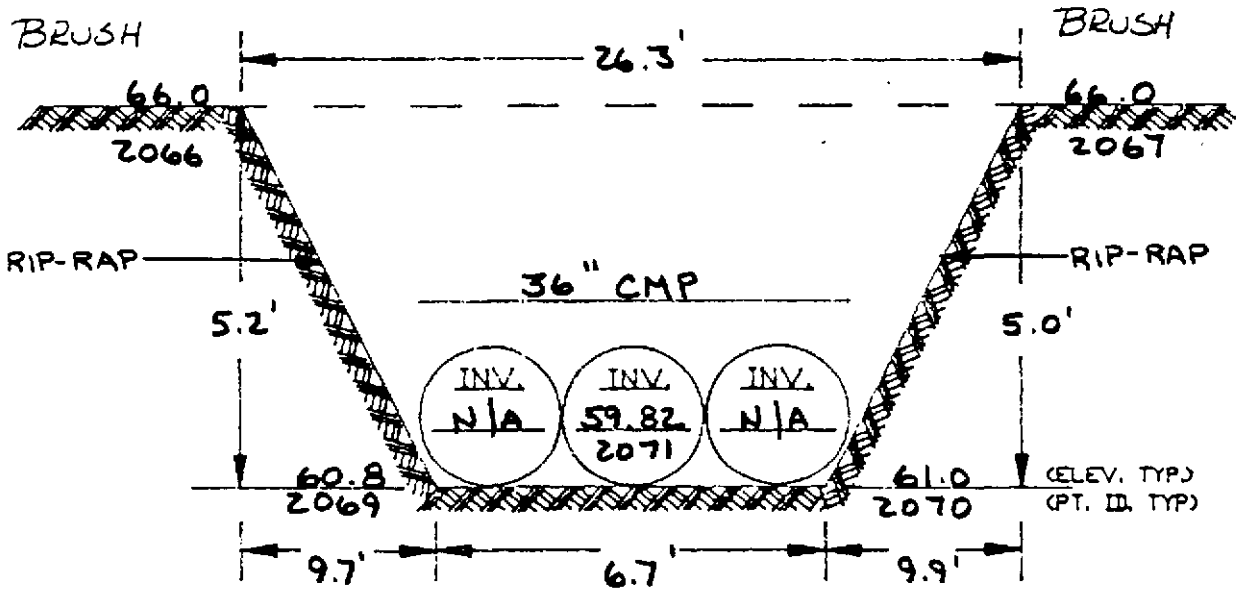
JOB NO. IW062.00	DITCH D SECTION 13	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 16 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



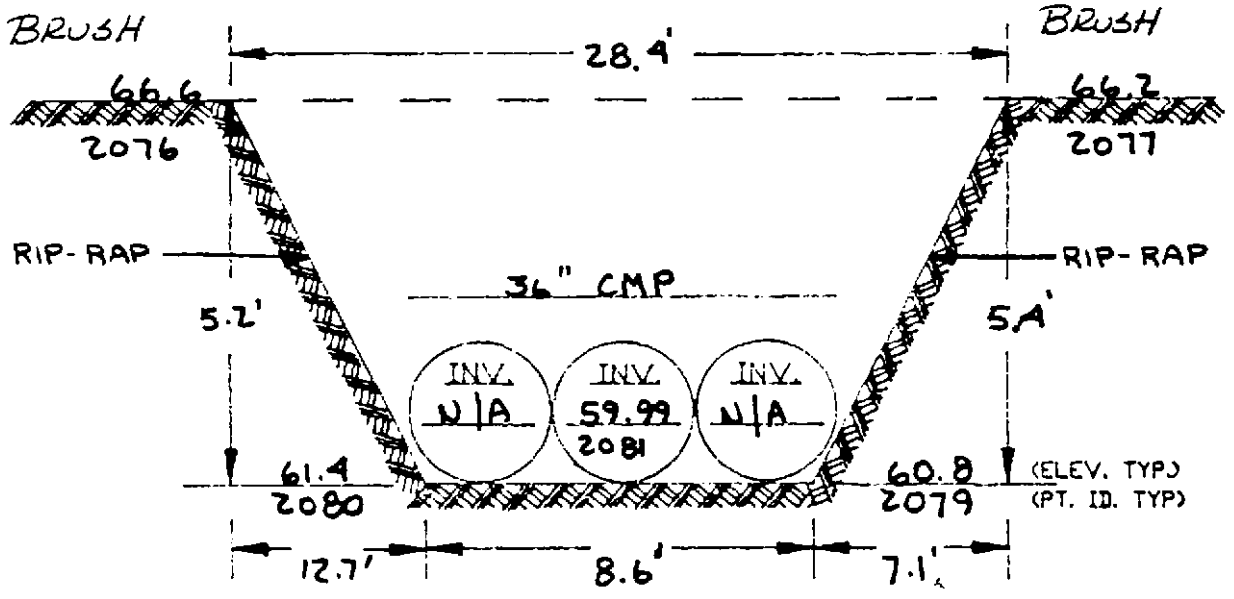
JOB NO. IW062.00	DITCH D SECTION 14	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 17 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



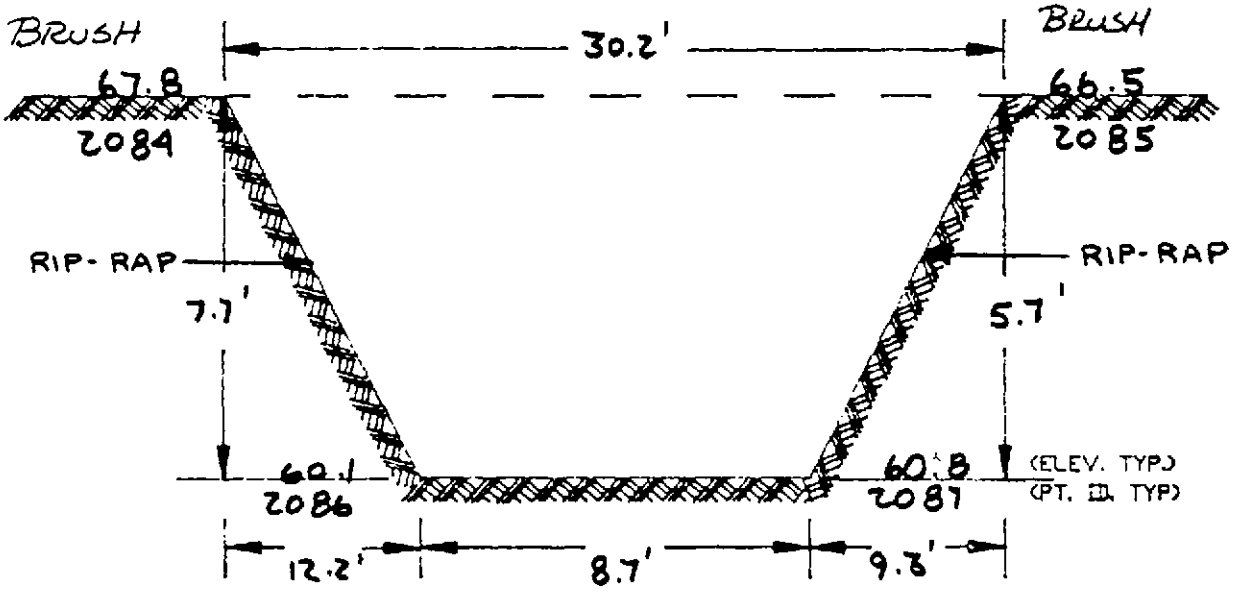
JOB NO. IW062.00	DITCH D SECTION 15	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 18 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



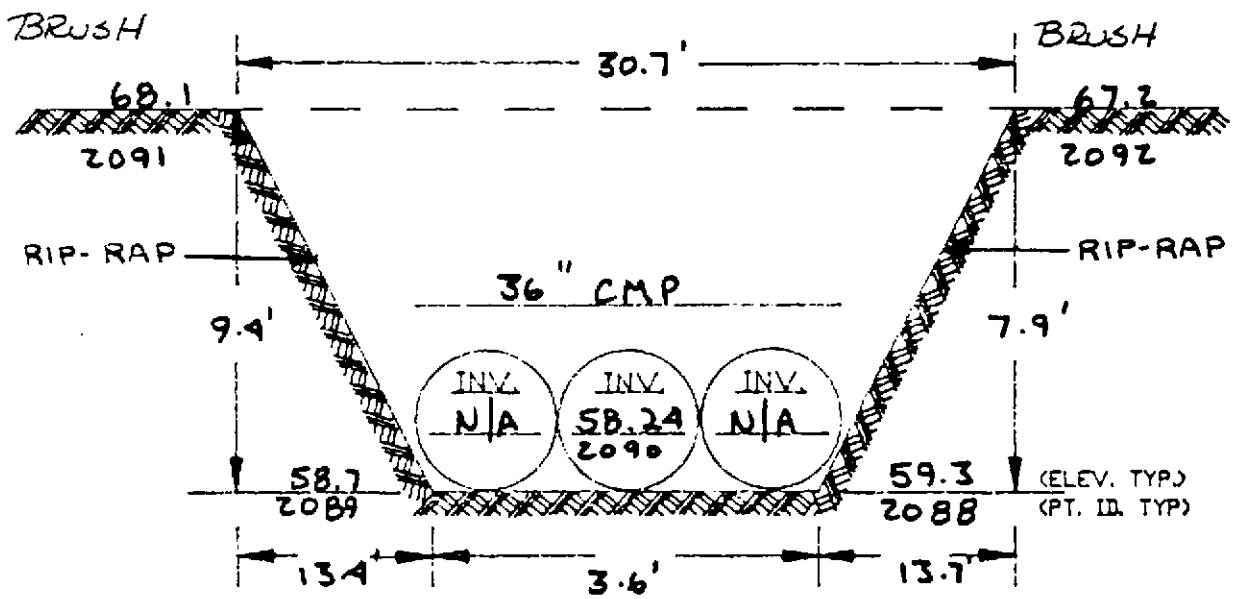
JOB NO. IW062.00	DITCH D SECTION 16	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 19 OF43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



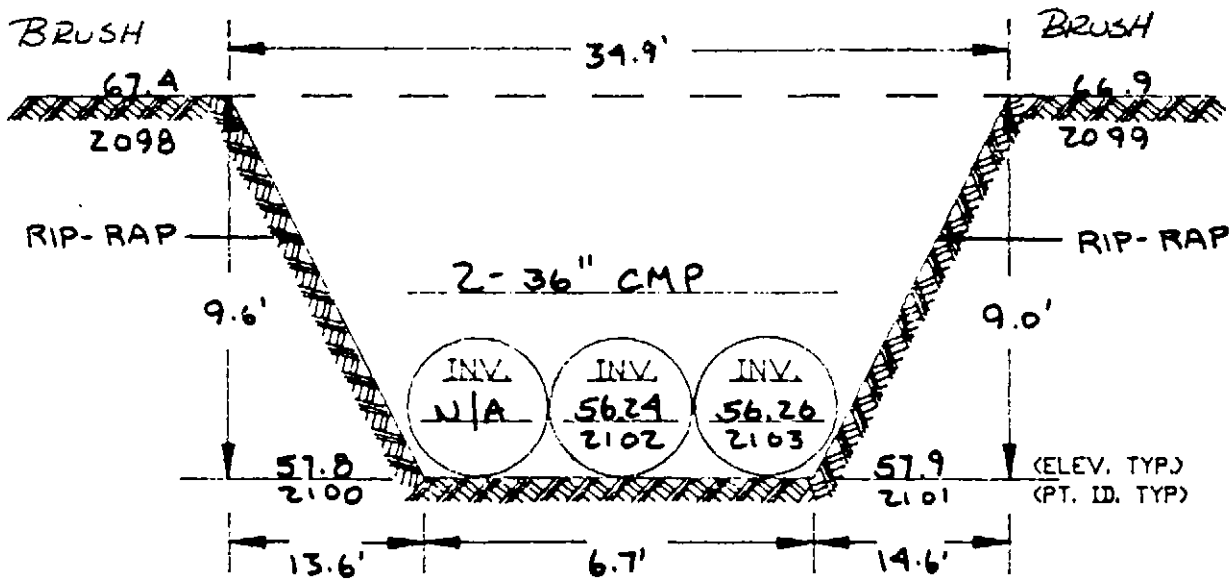
JOB NO. IW062.00	DITCH D SECTION 17	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 20 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



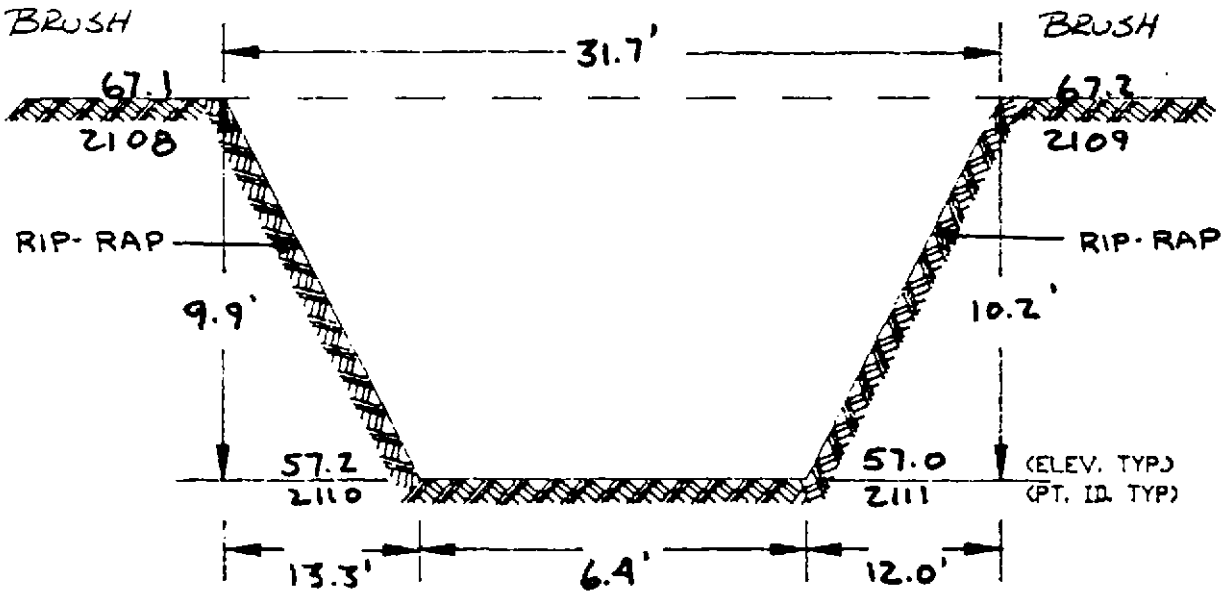
JOB NO. IW062.00	DITCH D SECTION 18	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 21 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



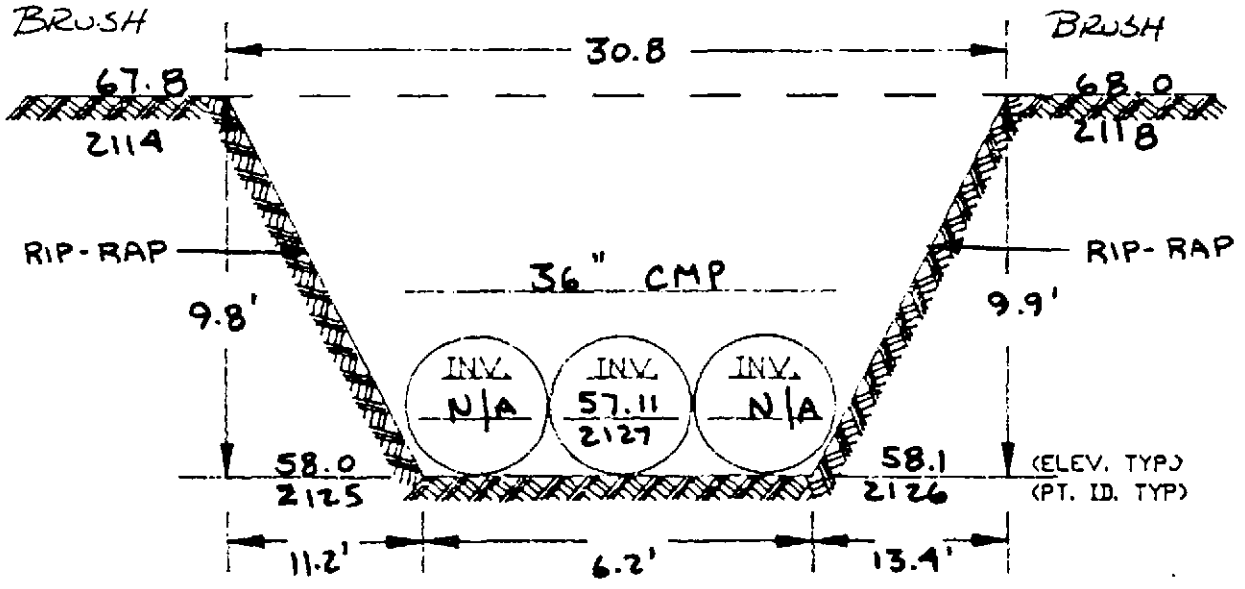
JOB NO. IW062.00	DITCH D SECTION 19	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 22 OF 43
DRAWN BY: GOH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



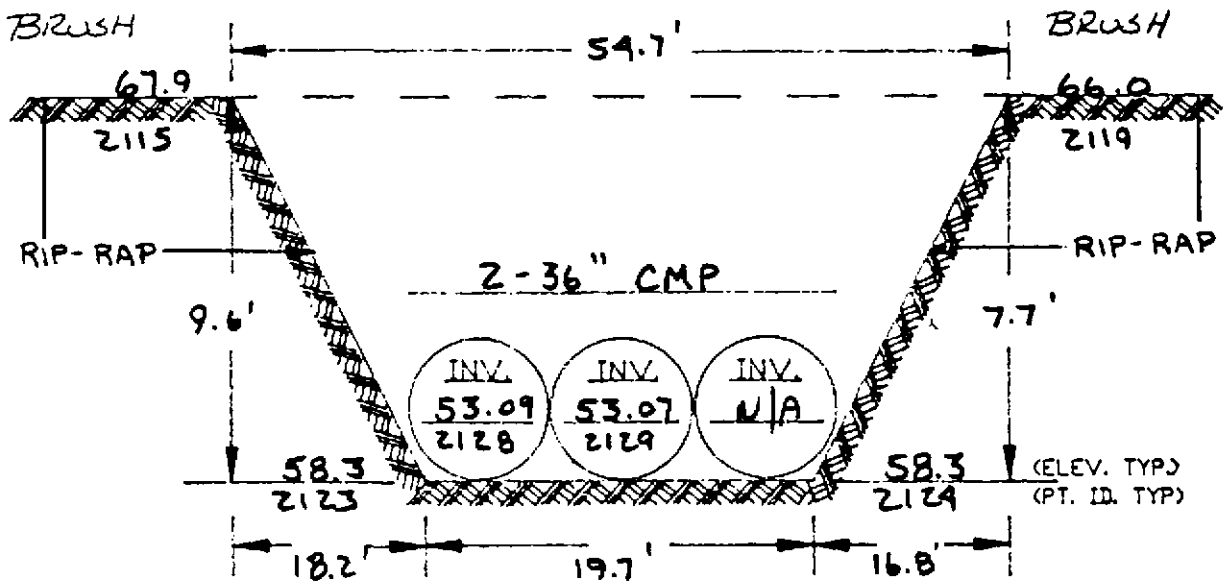
JOB NO. IW062.00	DITCH D SECTION 20	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 23 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



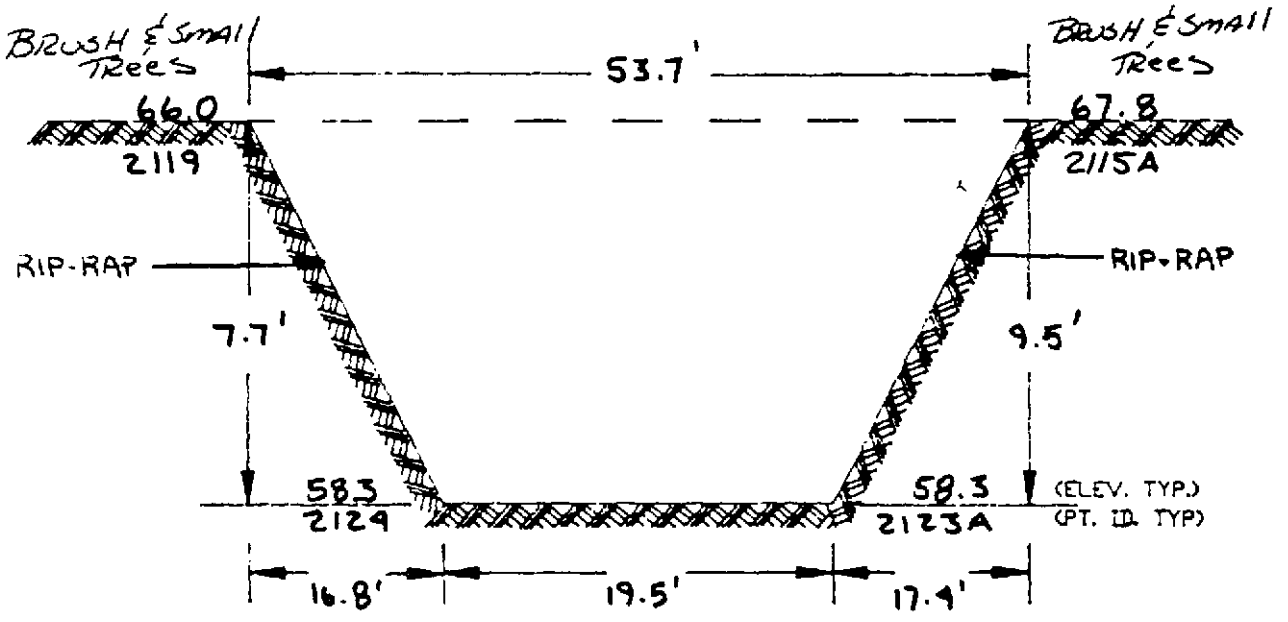
JOB NO. IW062.00	DITCH D SECTION 21	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 24 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



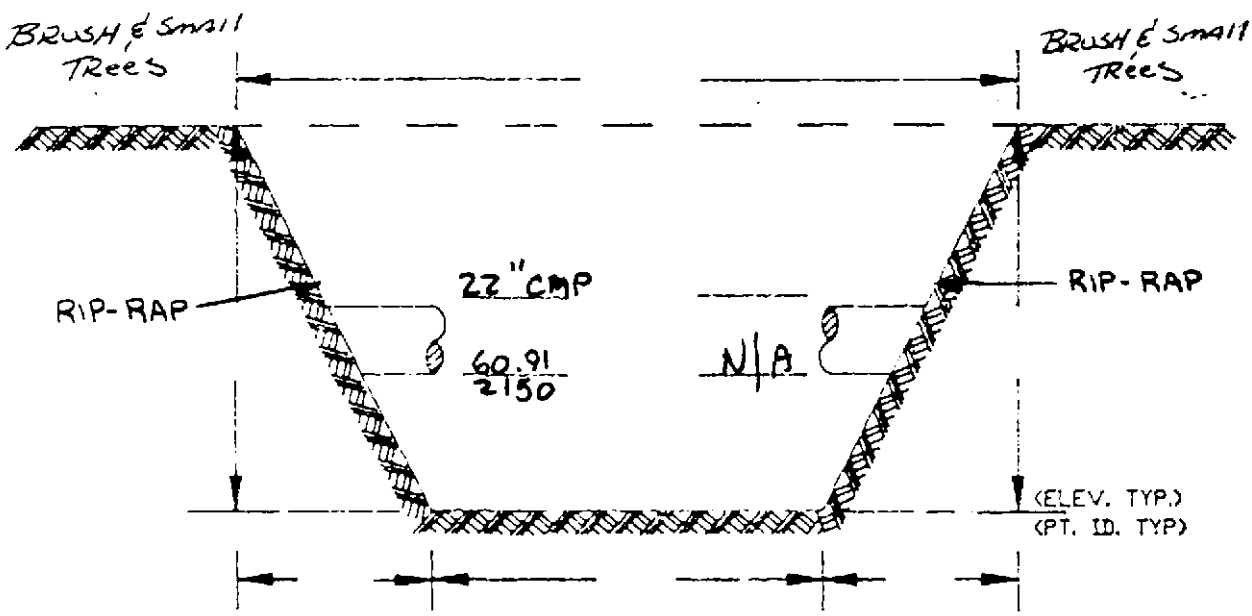
JOB NO. IW062.00	DITCH D SECTION 22	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 2 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



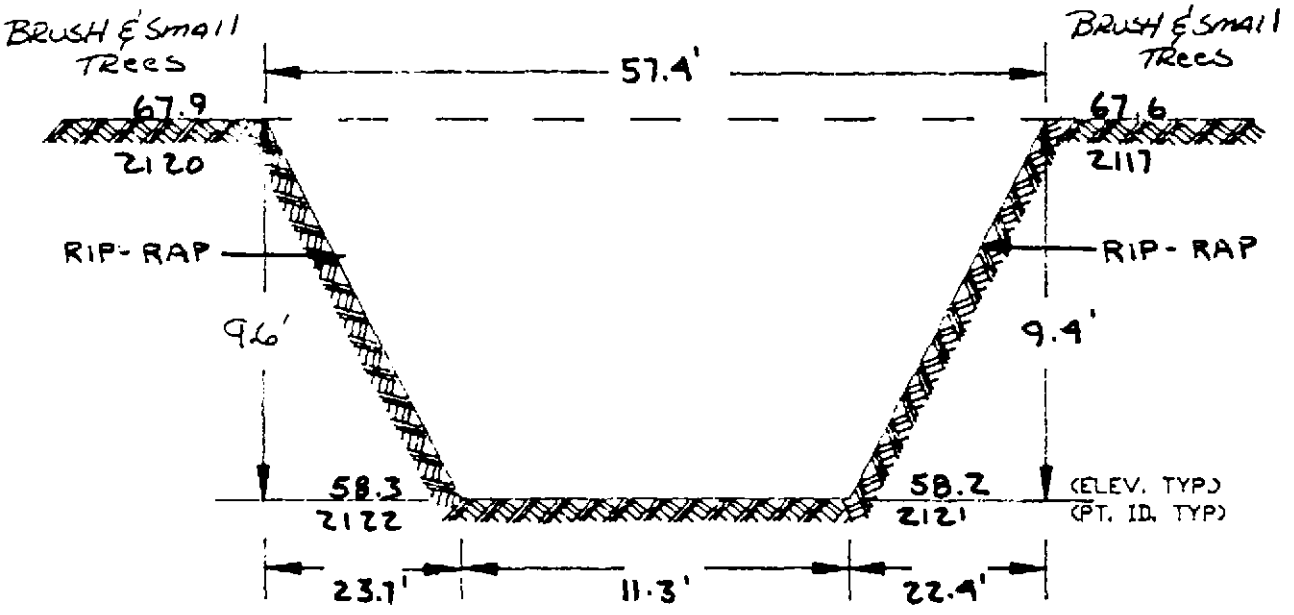
JOB NO. IW062.00	DITCH D SECTION 23	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 26 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



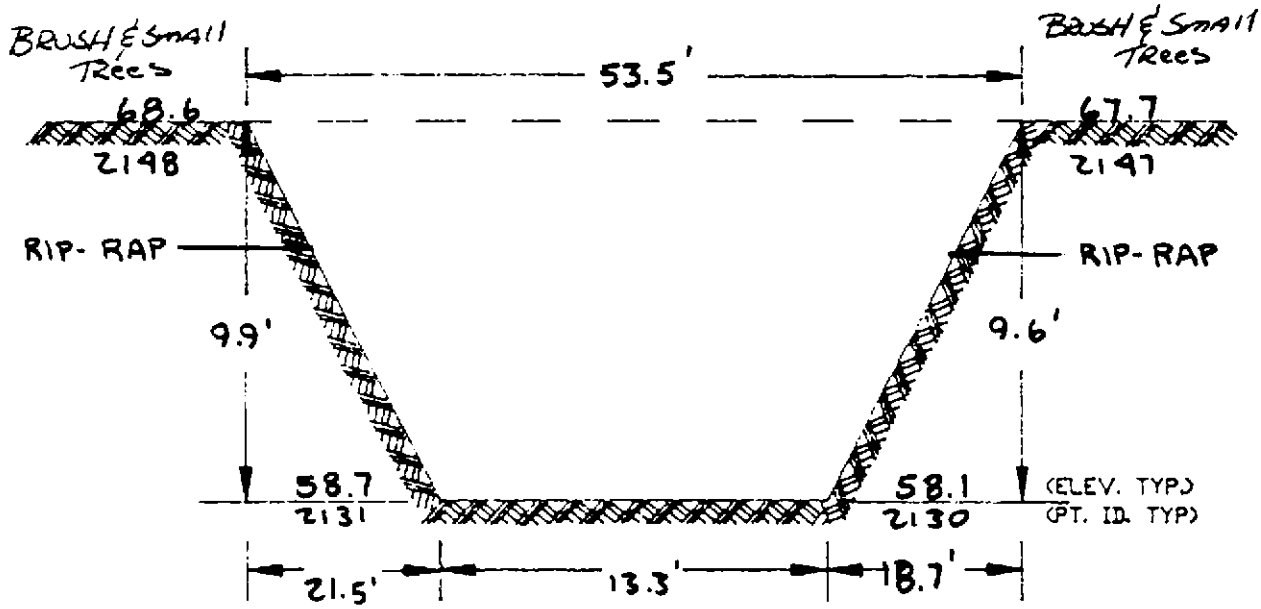
JOB NO. IW062.00	DITCH D SECTION 24	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 27 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



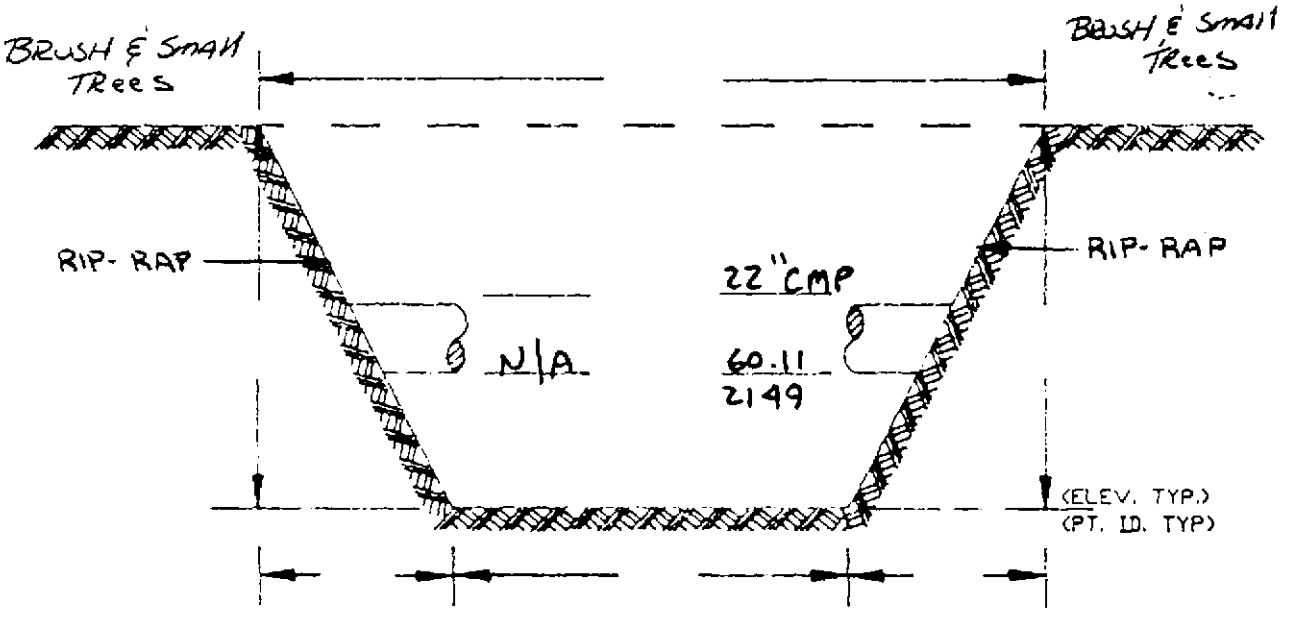
JOB NO. IW062.00	DITCH D SECTION 24.1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 28 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



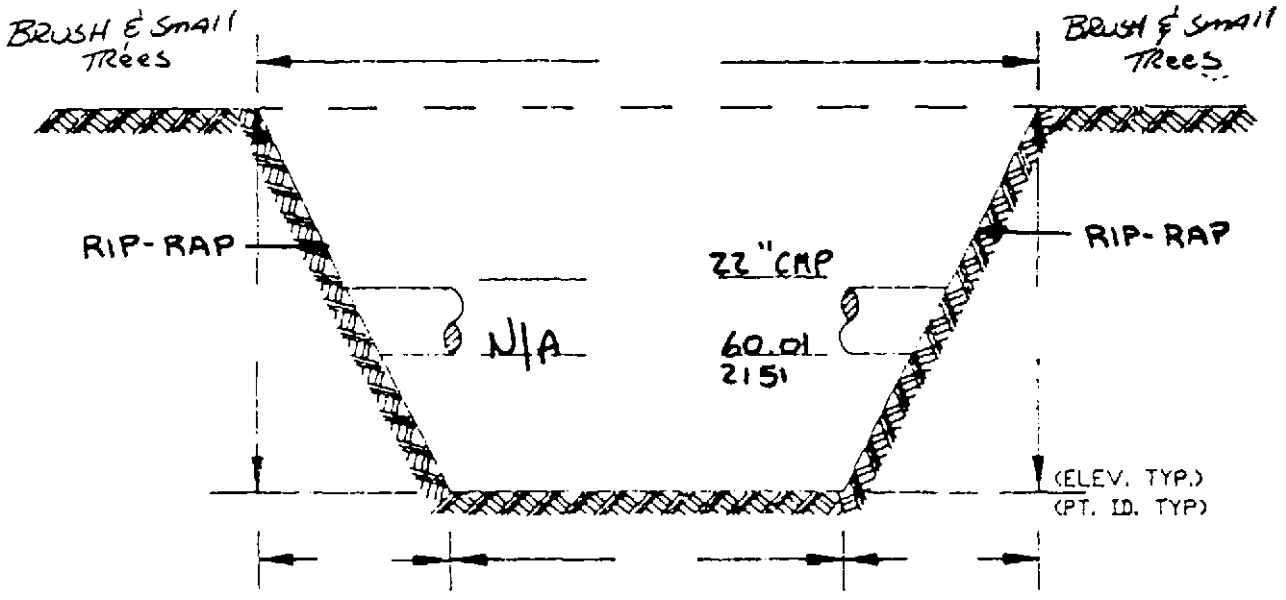
JOB NO. IW062.00	DITCH D SECTION 25	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 29 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



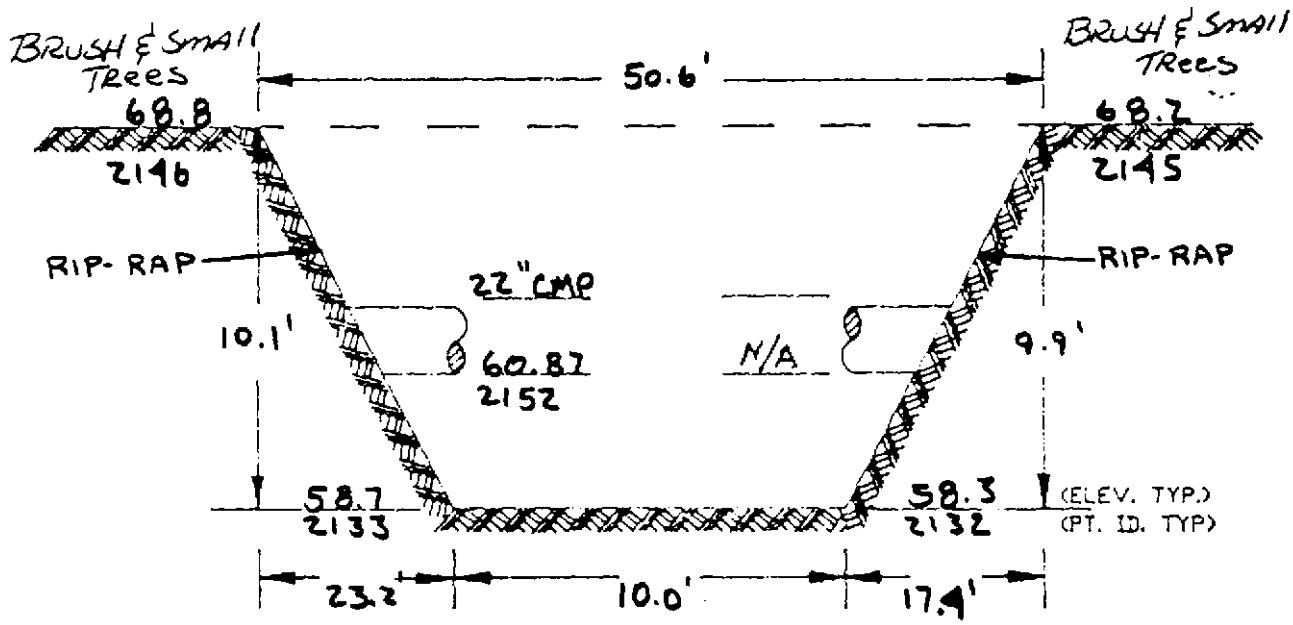
JOB NO. IW062.00	DITCH D SECTION 26	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 30OF43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF4



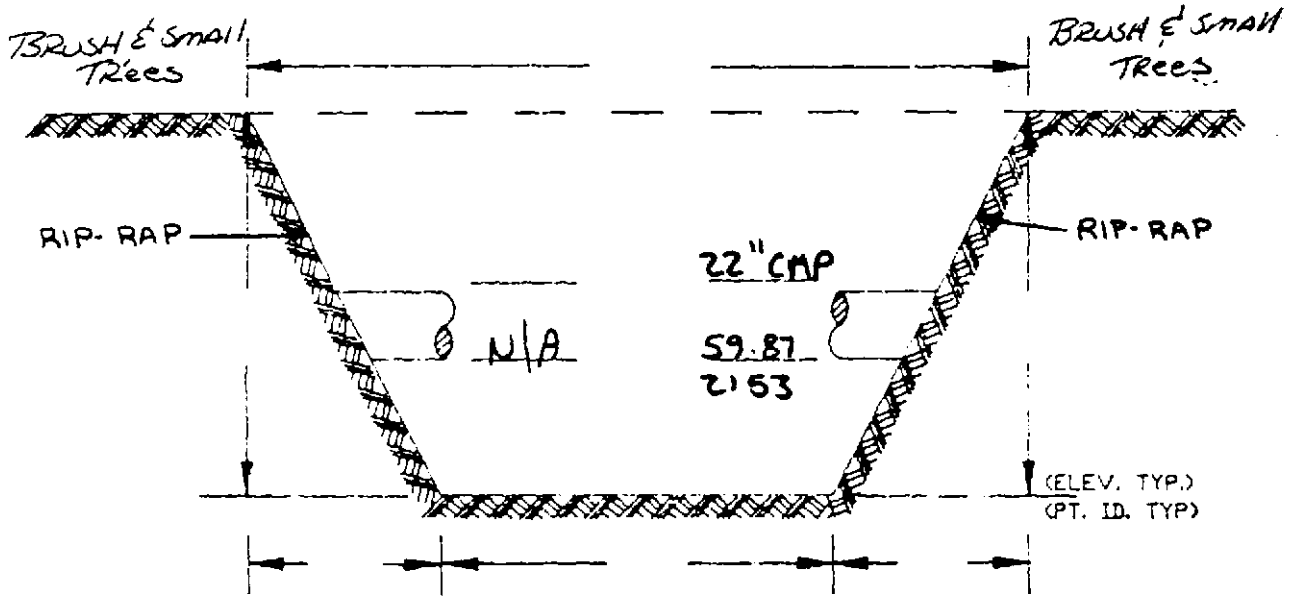
JOB NO. IW062.00	DITCH D SECTION 26.1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 3 of 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



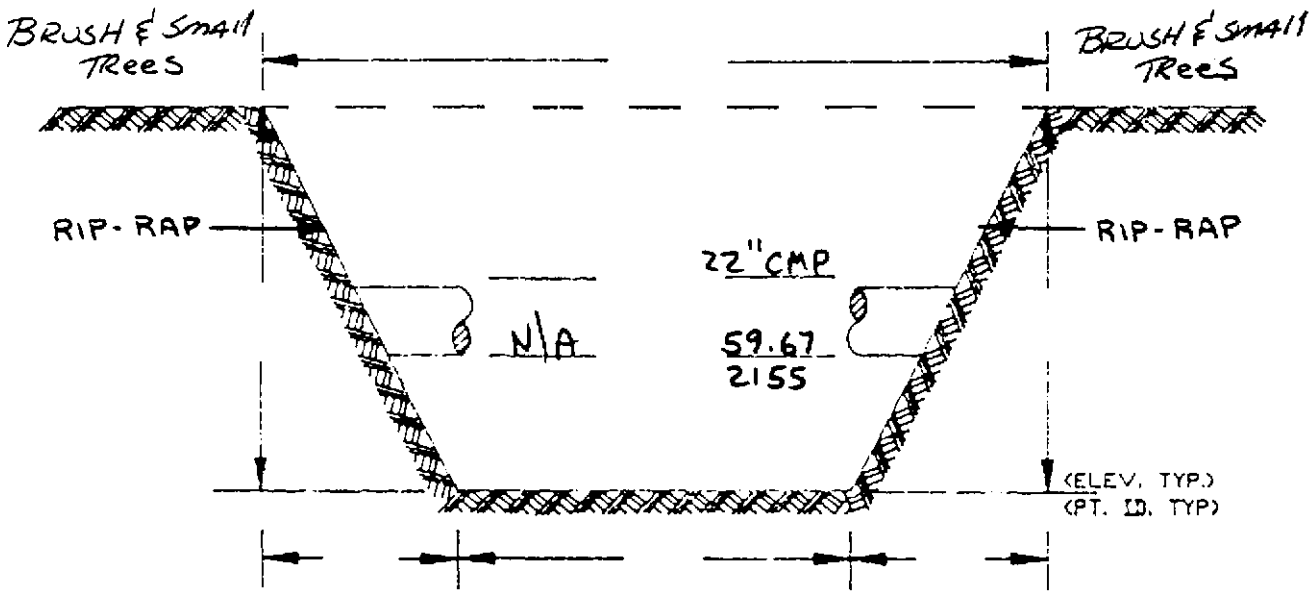
JOB NO. IW062.00	DITCH D SECTION 26.2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 32 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



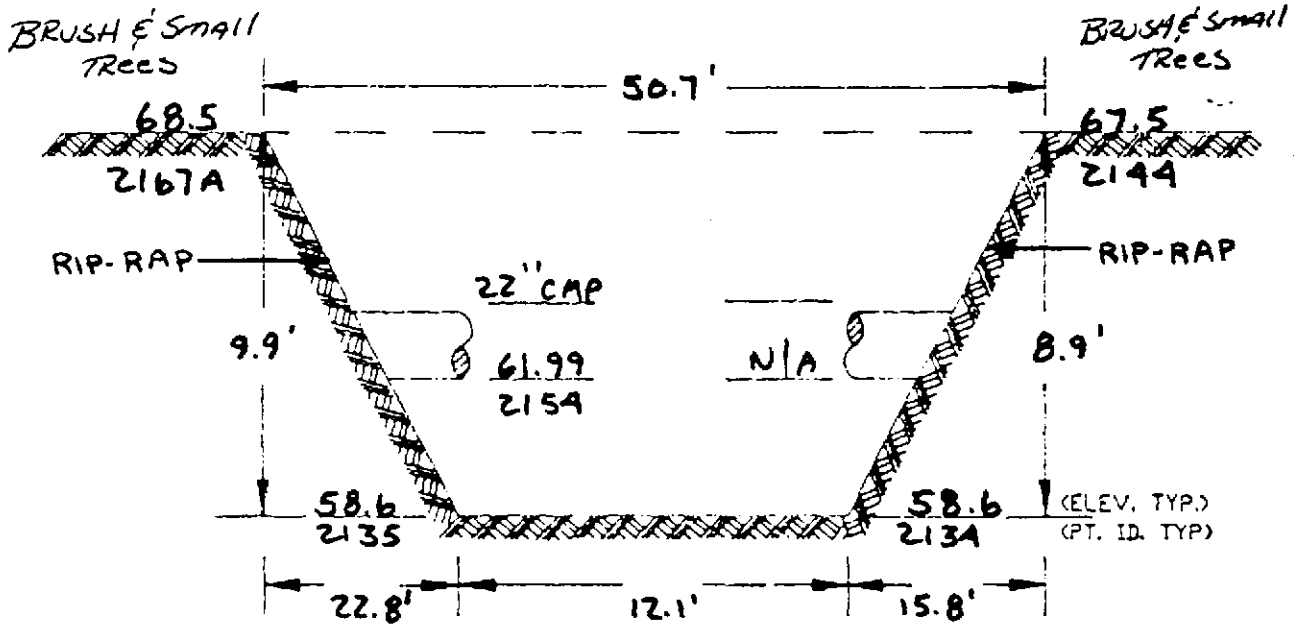
JOB NO. IW062.00	DITCH D SECTION 27	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 33 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



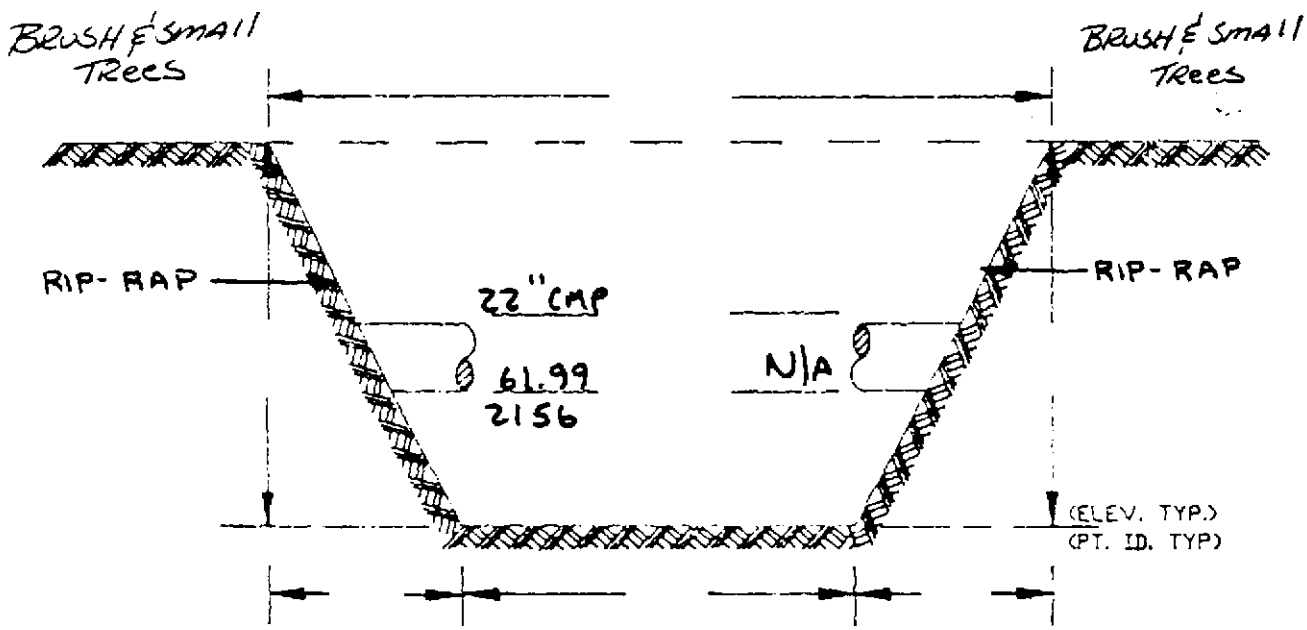
JOB NO. IW062.00	DITCH D SECTION 27.1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 34 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



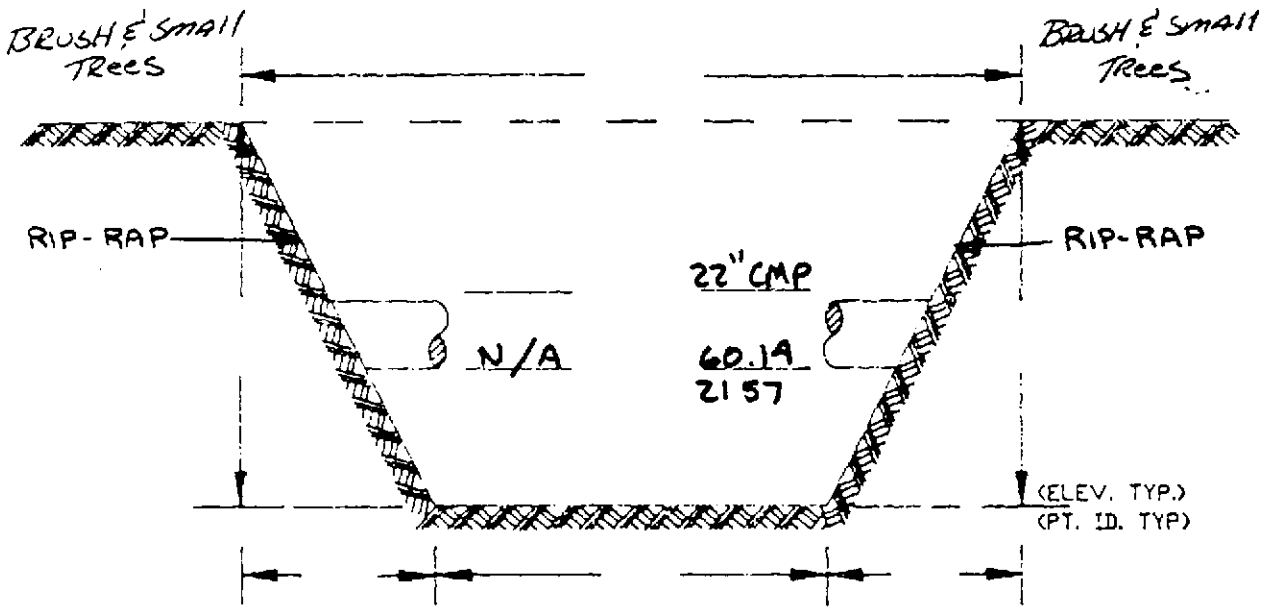
JOB NO. 1W062.00	DITCH D SECTION 27.2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 35 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



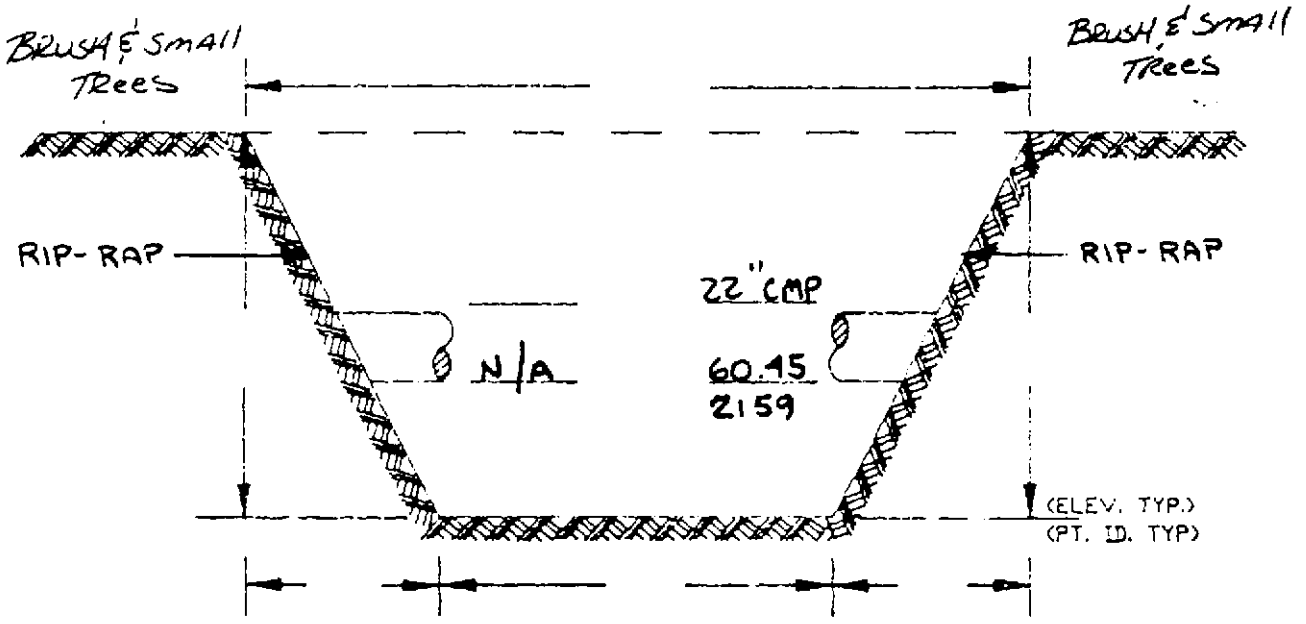
JOB NO. IW062.00	DITCH D SECTION 2B	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 36 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



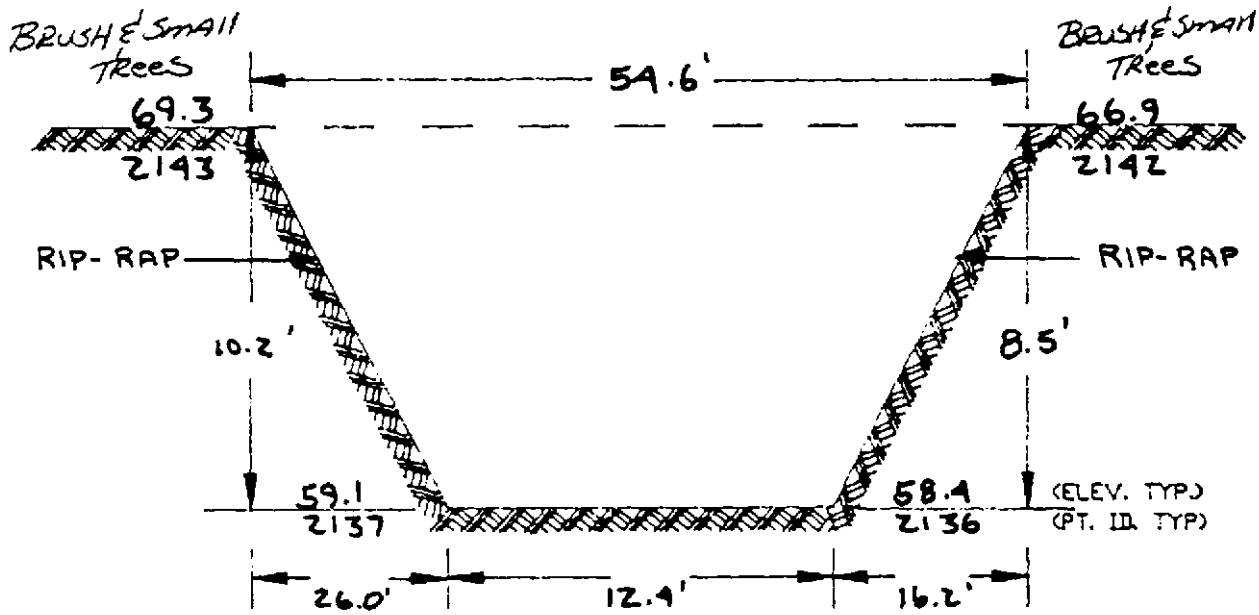
JOB NO. IW062.00	DITCH D SECTION 28.1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 37 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



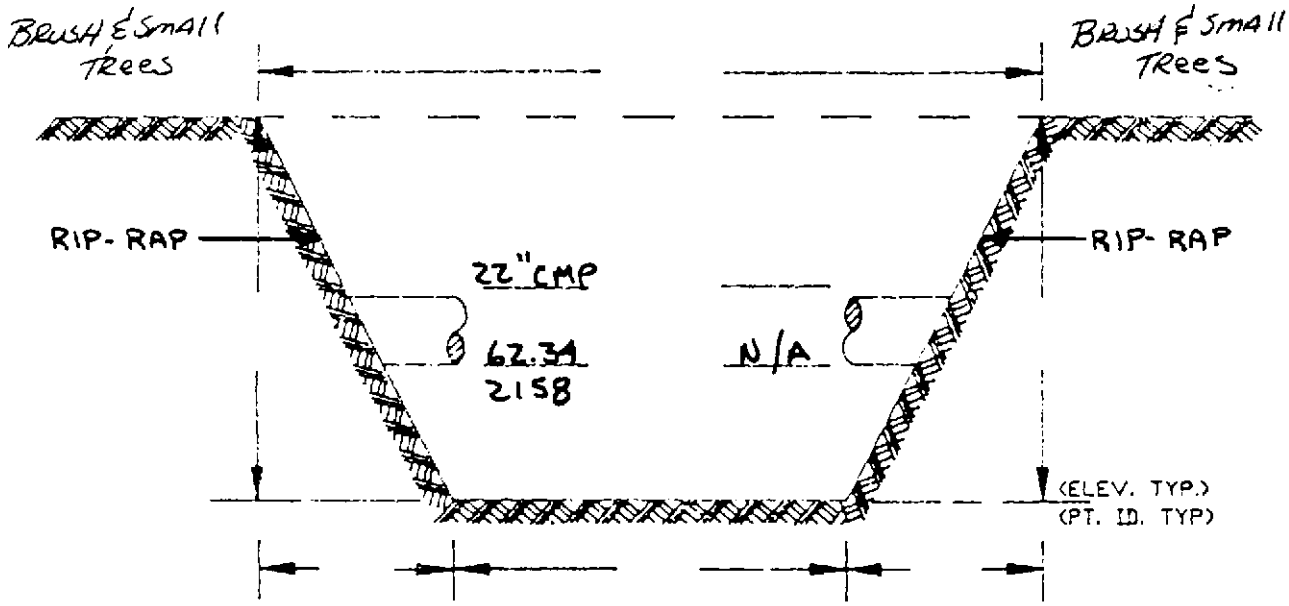
JOB NO. IW062.00	DITCH D SECTION 28.2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 38 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



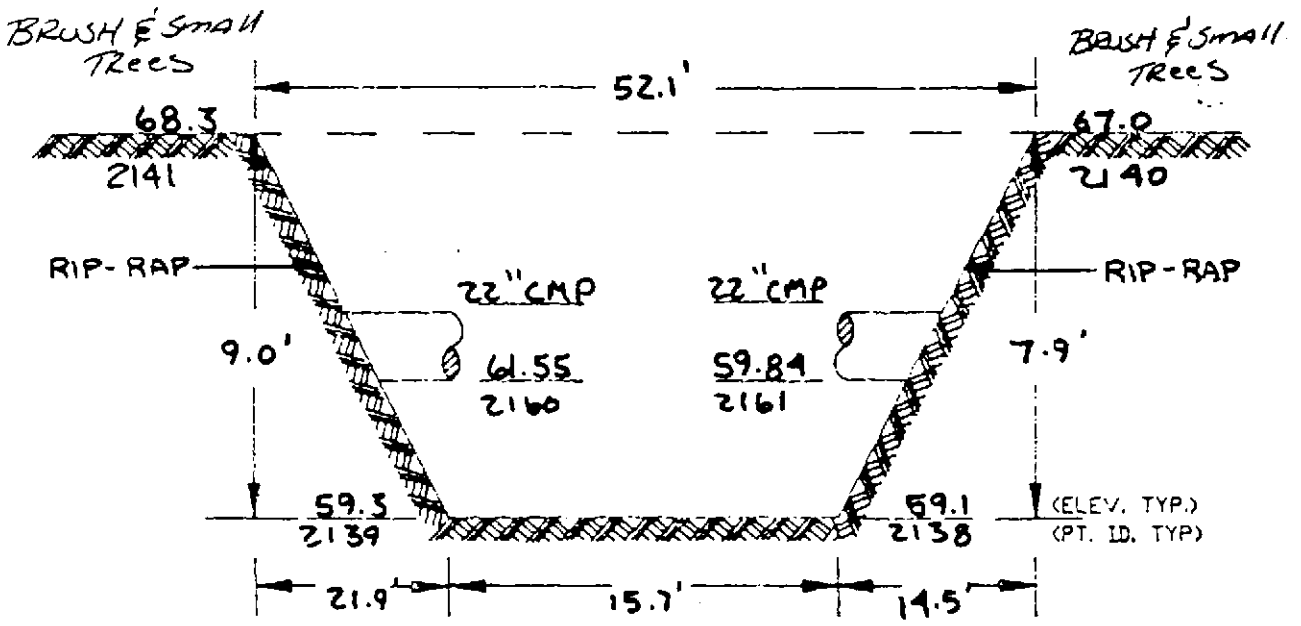
JOB NO. IW062.00	DITCH D SECTION 28.3	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 39 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



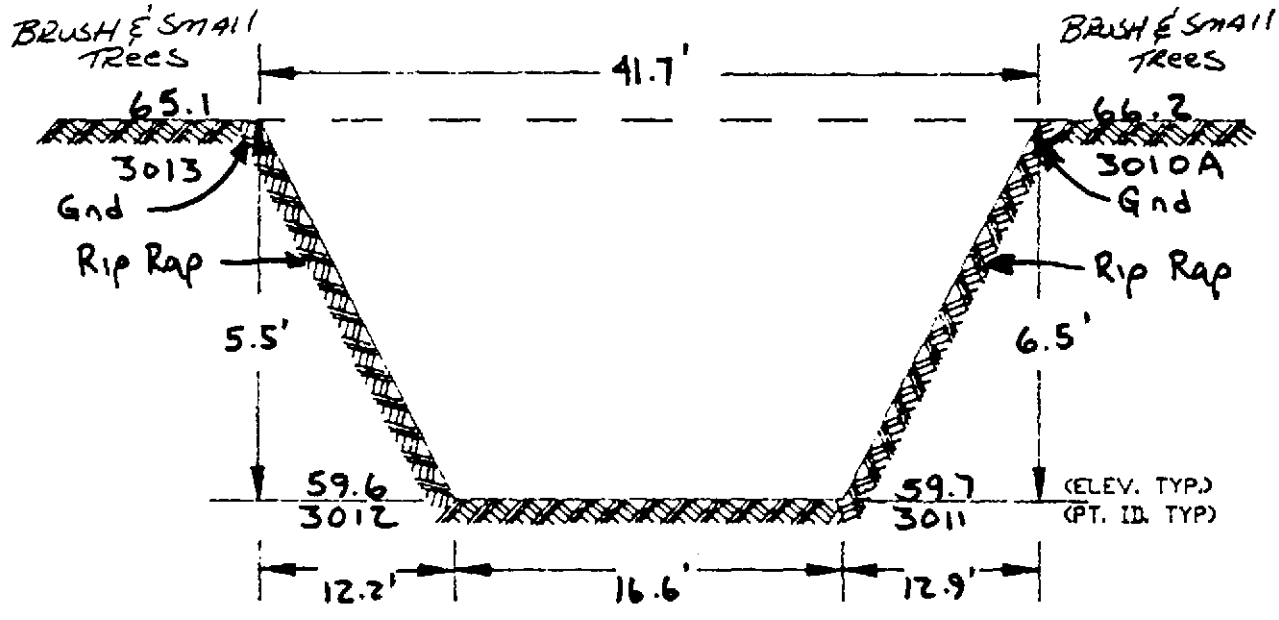
JOB NO. 1W062.00	DITCH D SECTION 29	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 40 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4



JOB NO. 1W062.00	DITCH D SECTION 29.1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 4 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4

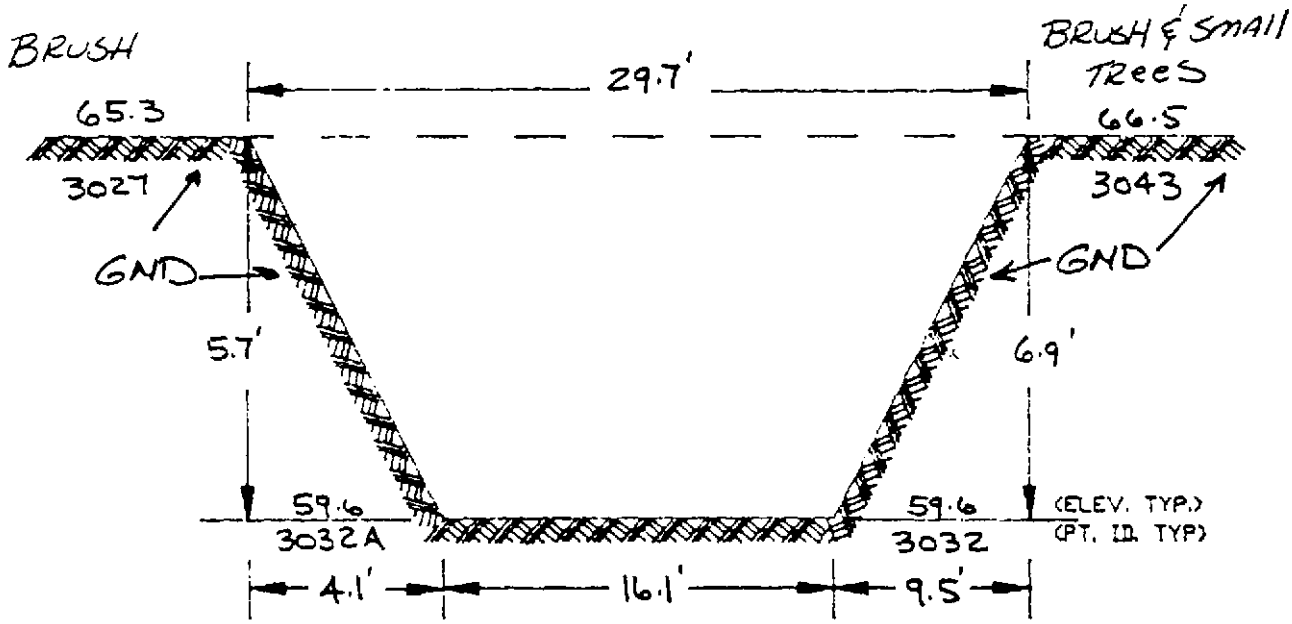


JOB NO. IW062.00	DITCH D SECTION 30	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 42 OF43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF4



JOB NO. IW062.00	DITCH D SECTION 31	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 43 OF 43
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	4 OF 4

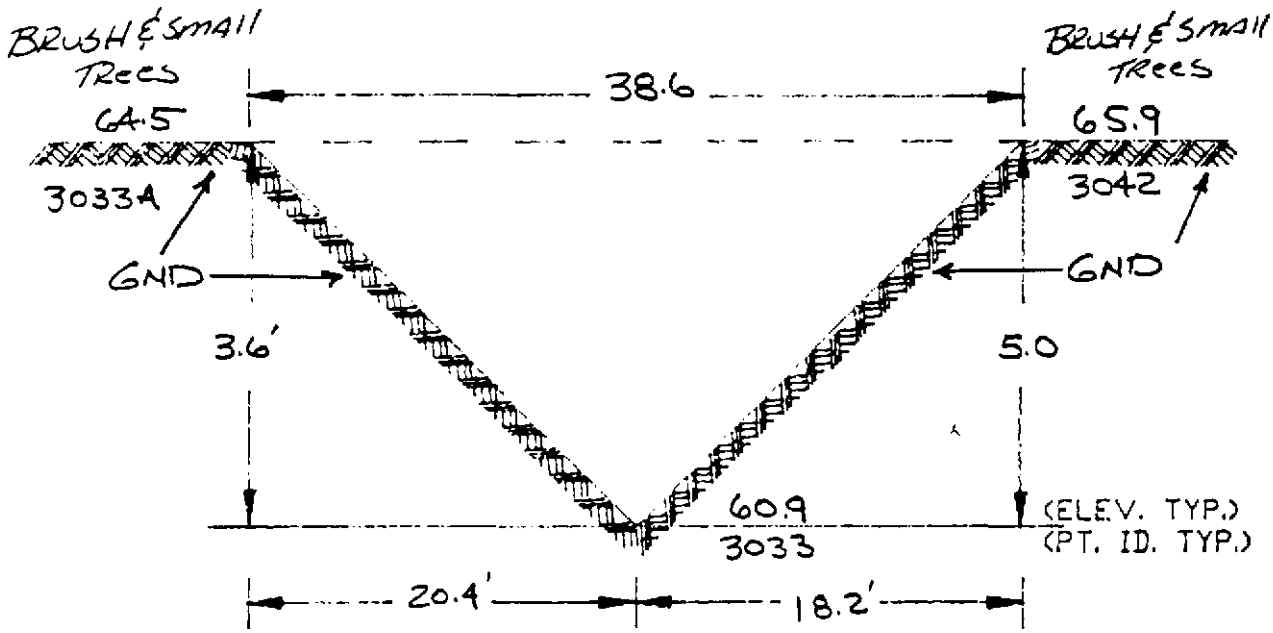
COMMONWEALTH OF MASSACHUSETTS
PHILIP E. BURROWS #35778 REGISTERED
PROFESSIONAL LAND SURVEYOR



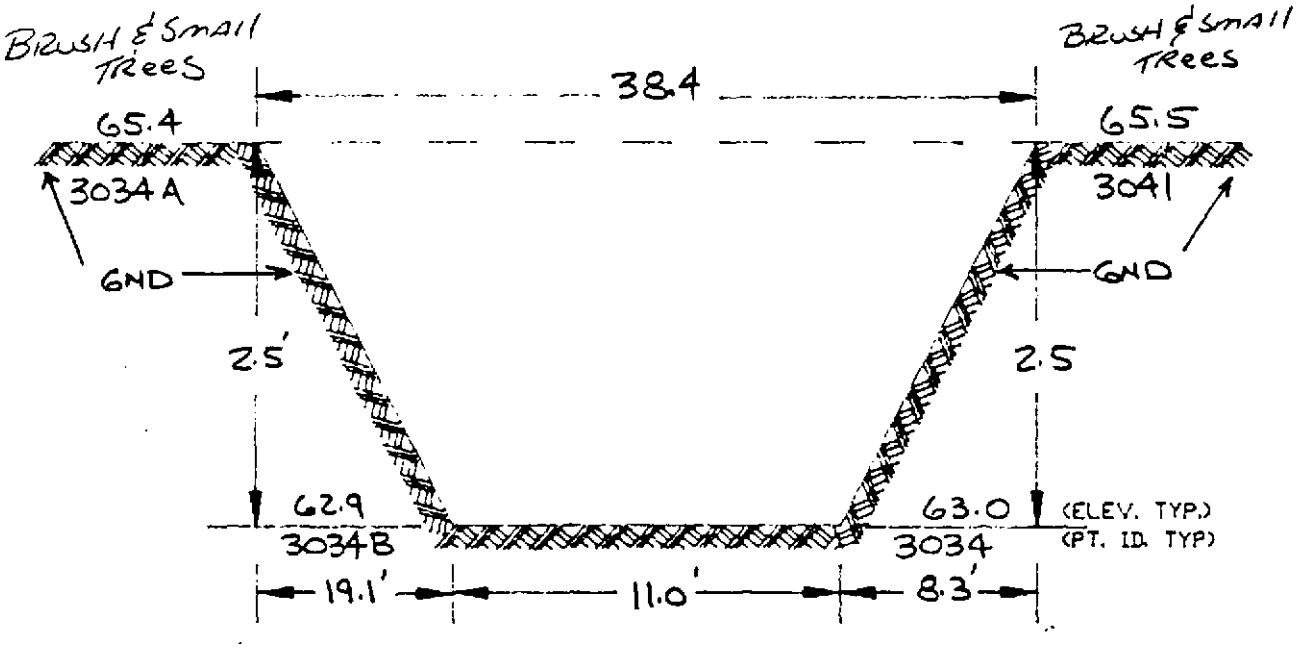
NOTE: ALL SECTIONS ARE VIEWED by STANDING DOWNSTREAM AND LOOKING UP STREAM.

REVISED 12/16/91

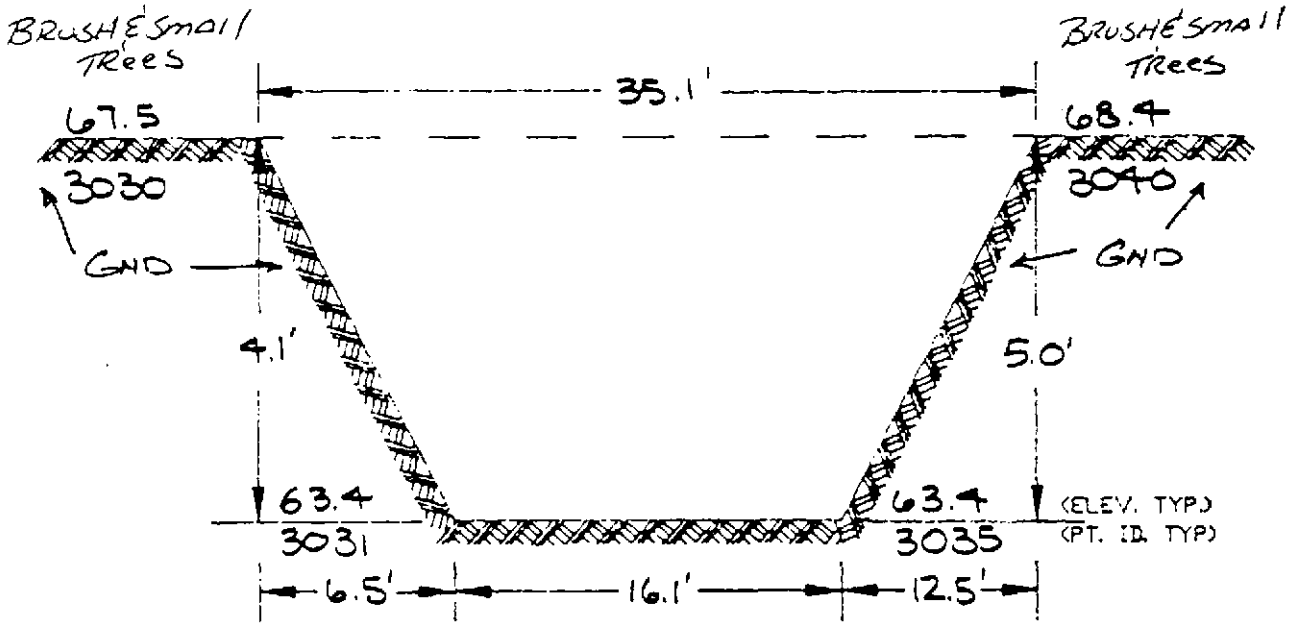
JOB NO. IW062.00	DITCH E SECTION 1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 1 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



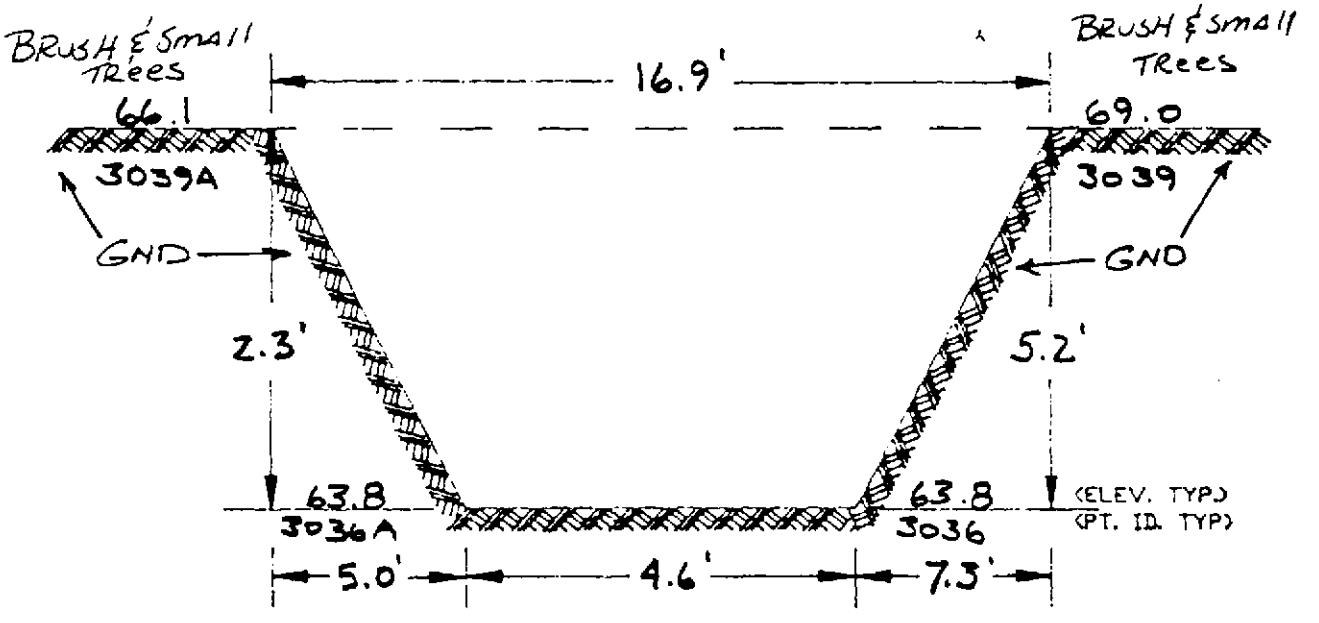
JOB NO. IW062.00	DITCH E SECTION 2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 2 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



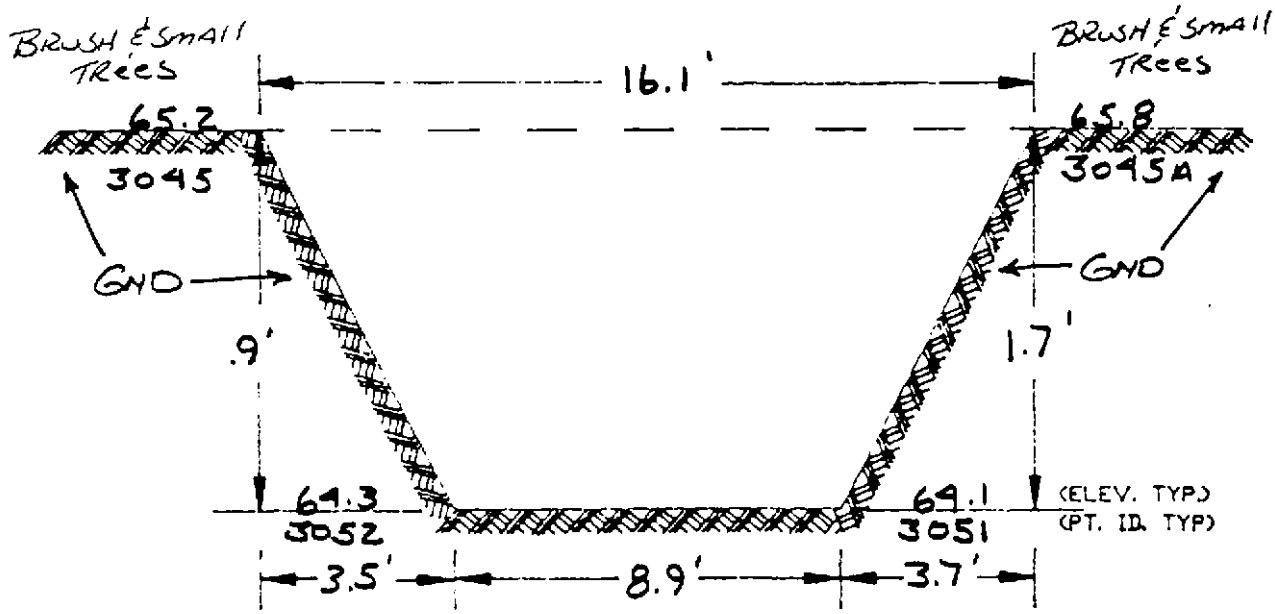
JOB NO. IW062.00	DITCH E SECTION 3	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 3 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



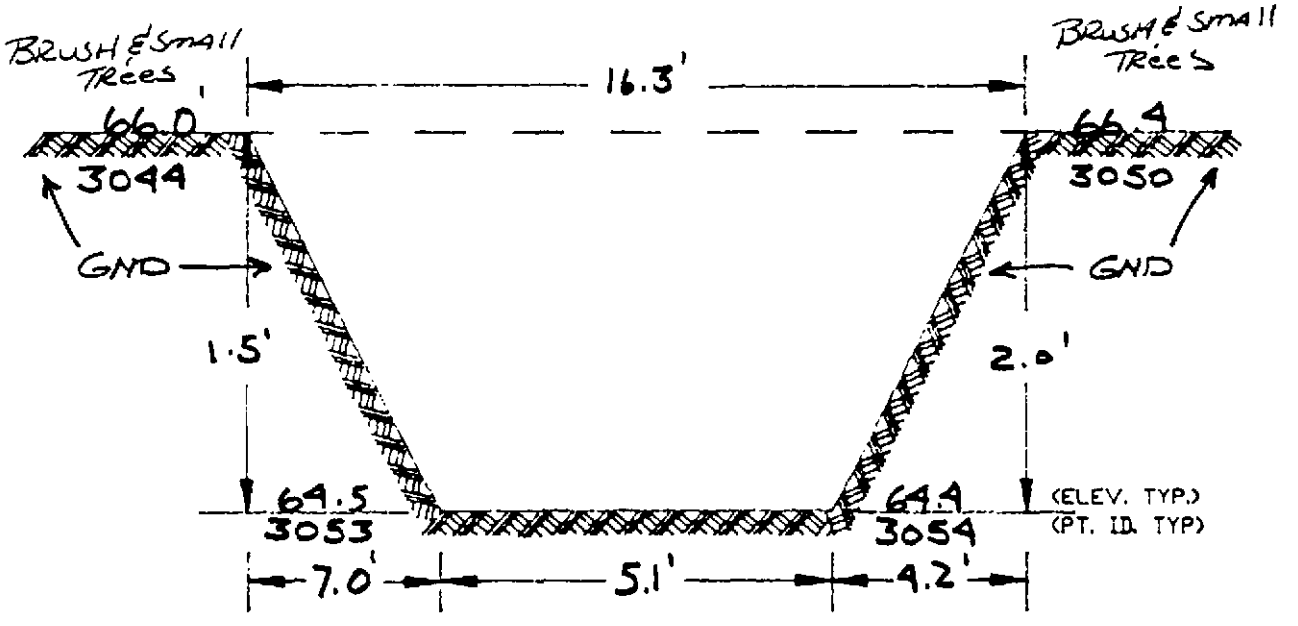
JOB NO. IW062.00	DITCH E SECTION 4	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 4 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



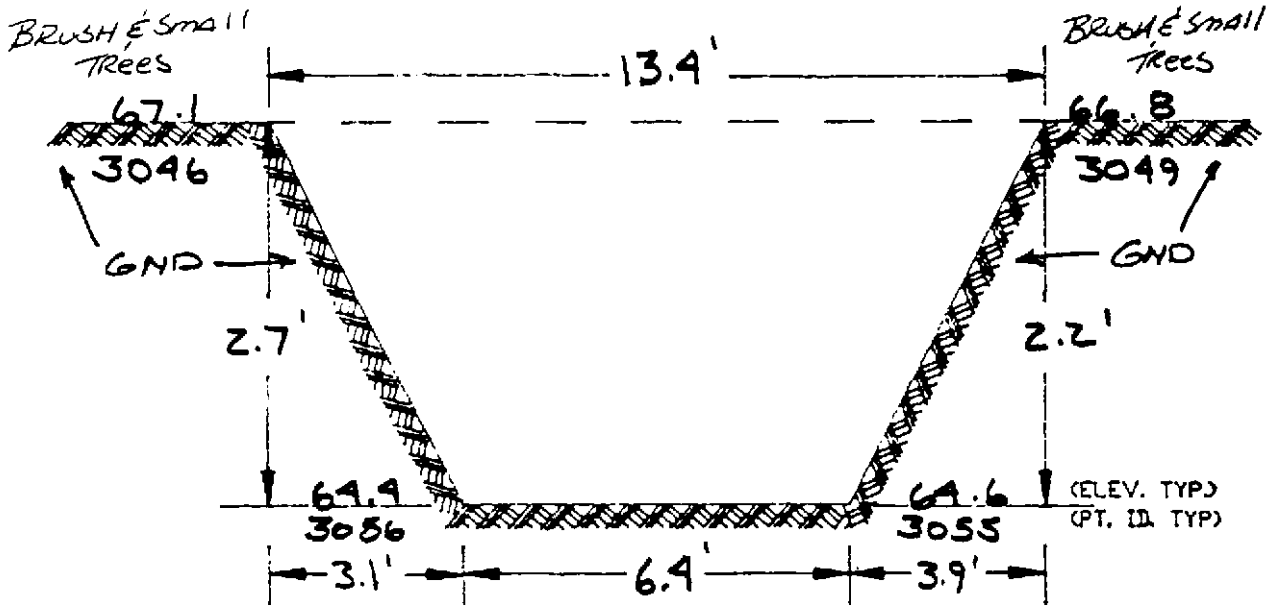
JOB NO. IW062.00	DITCH E SECTION 5	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 5 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



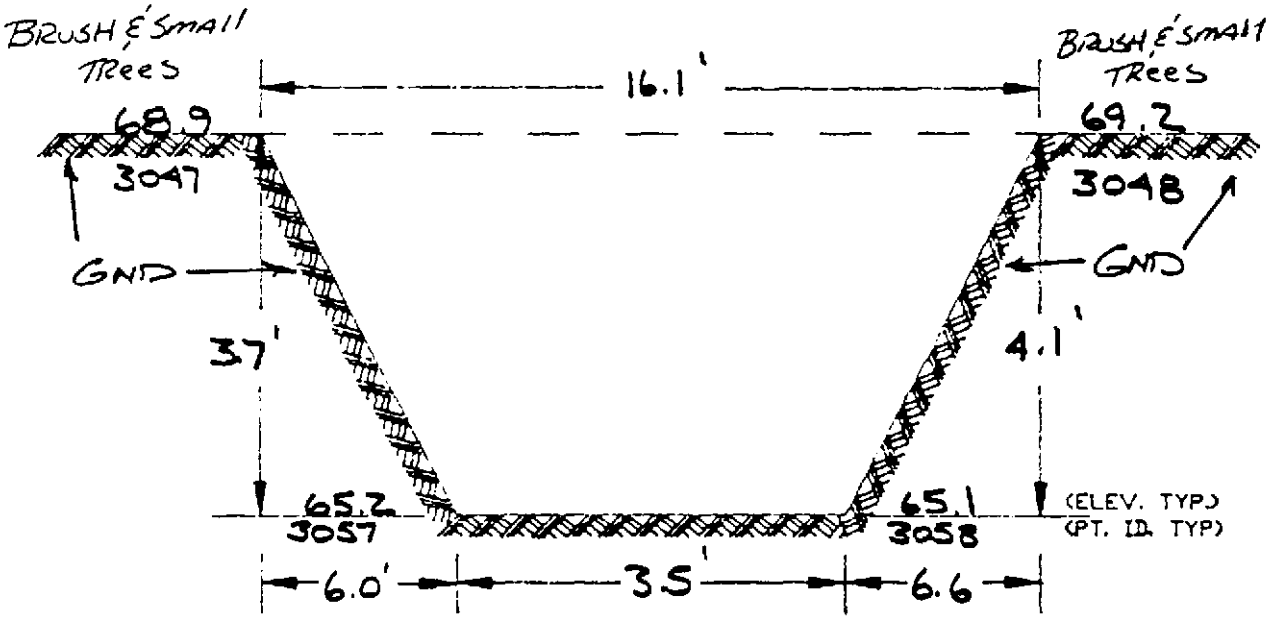
JOB NO. IW062.00	DITCH E SECTION 6	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 6 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



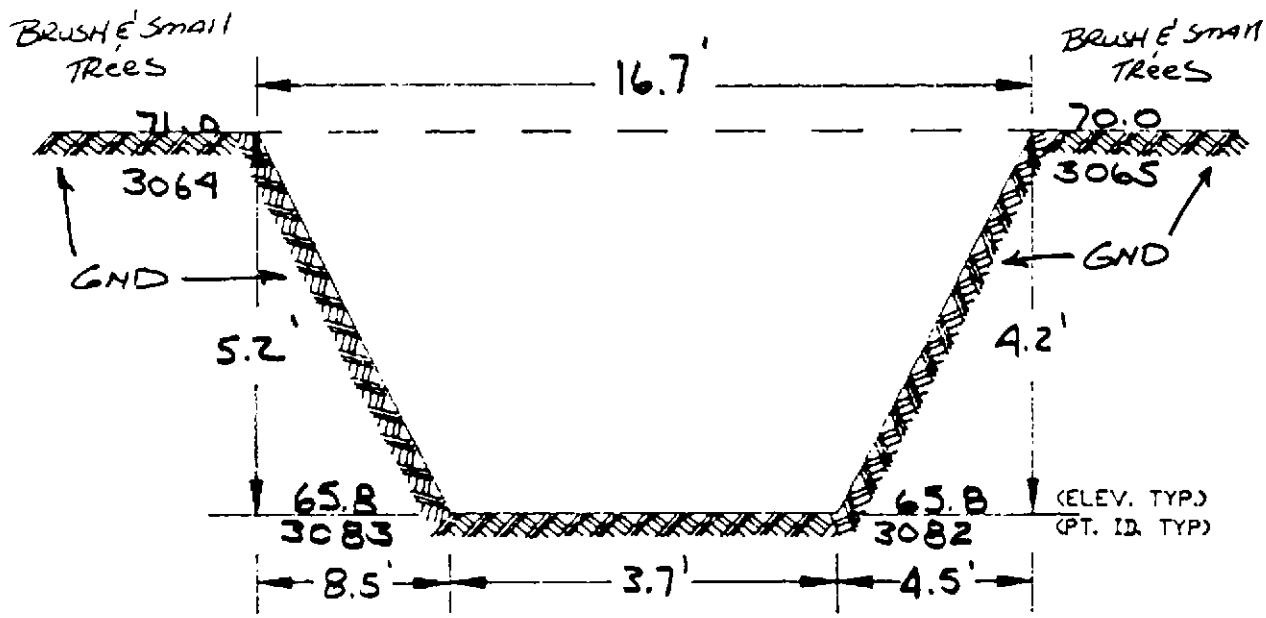
JOB NO. IW062.00	DITCH E SECTION 7	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 7 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4 .



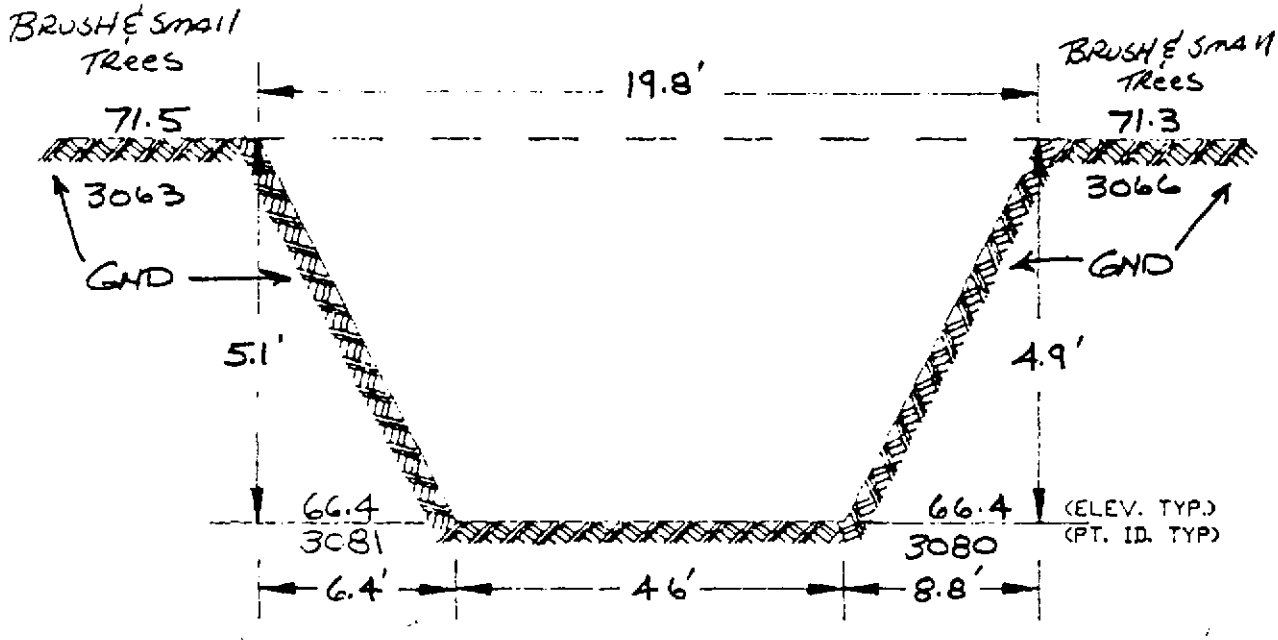
JOB NO. IW062.00	DITCH E SECTION 8	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 8 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



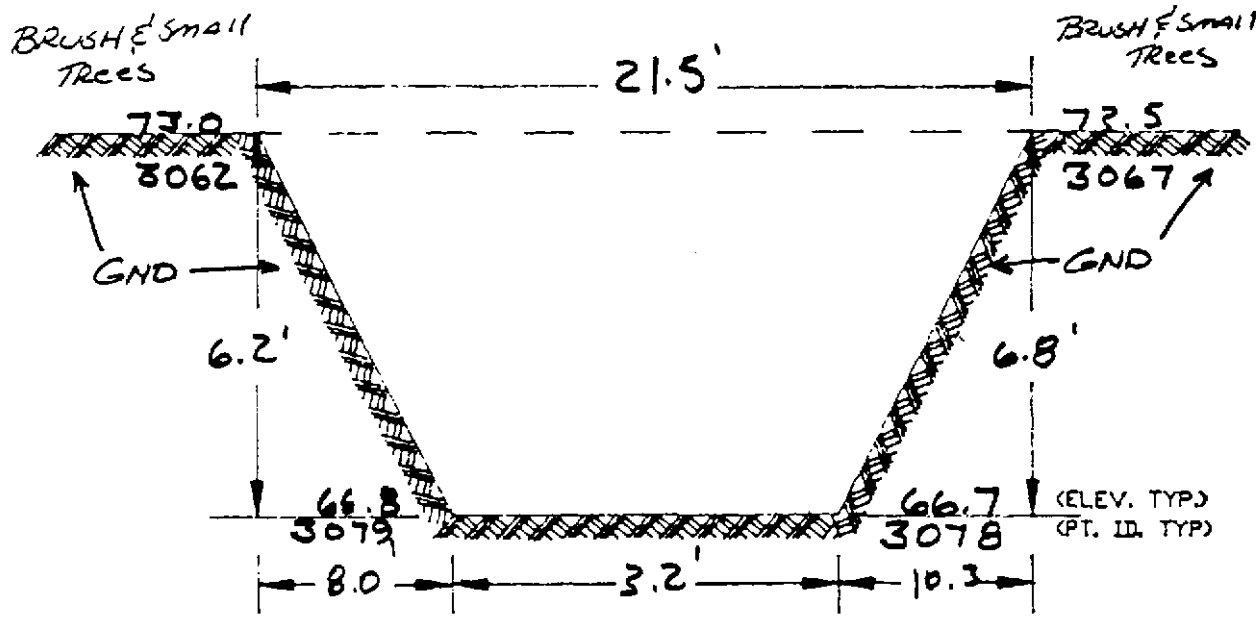
JOB NO. IW062.00	DITCH E SECTION 9	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 9 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



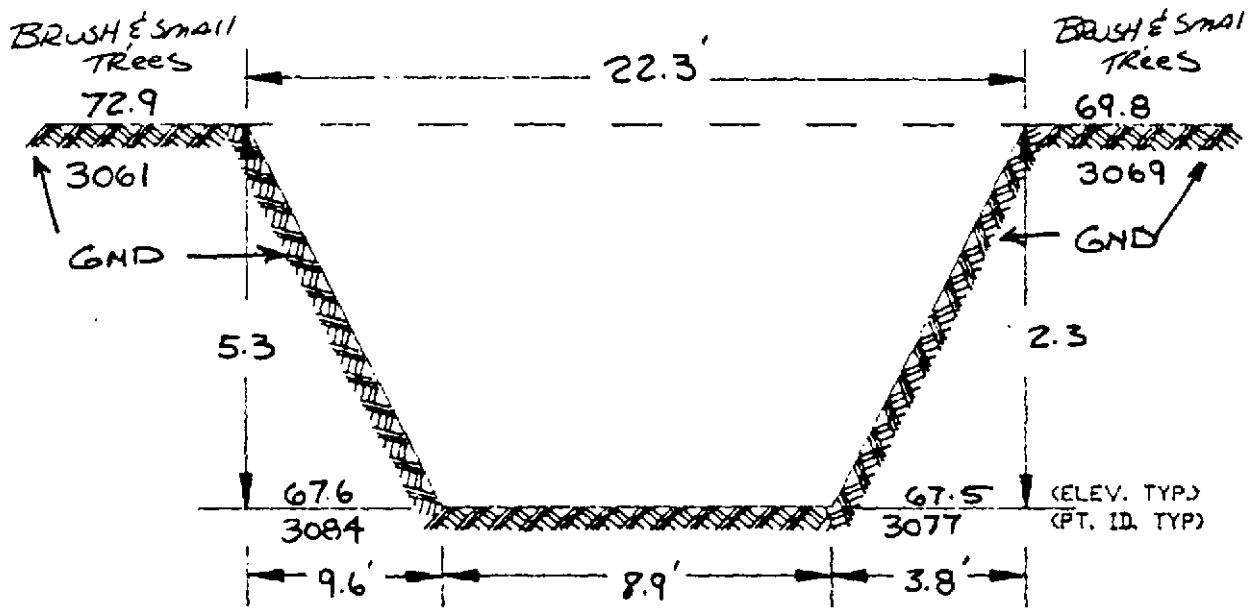
JOB NO. IW062.00	DITCH E SECTION 10	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 10 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



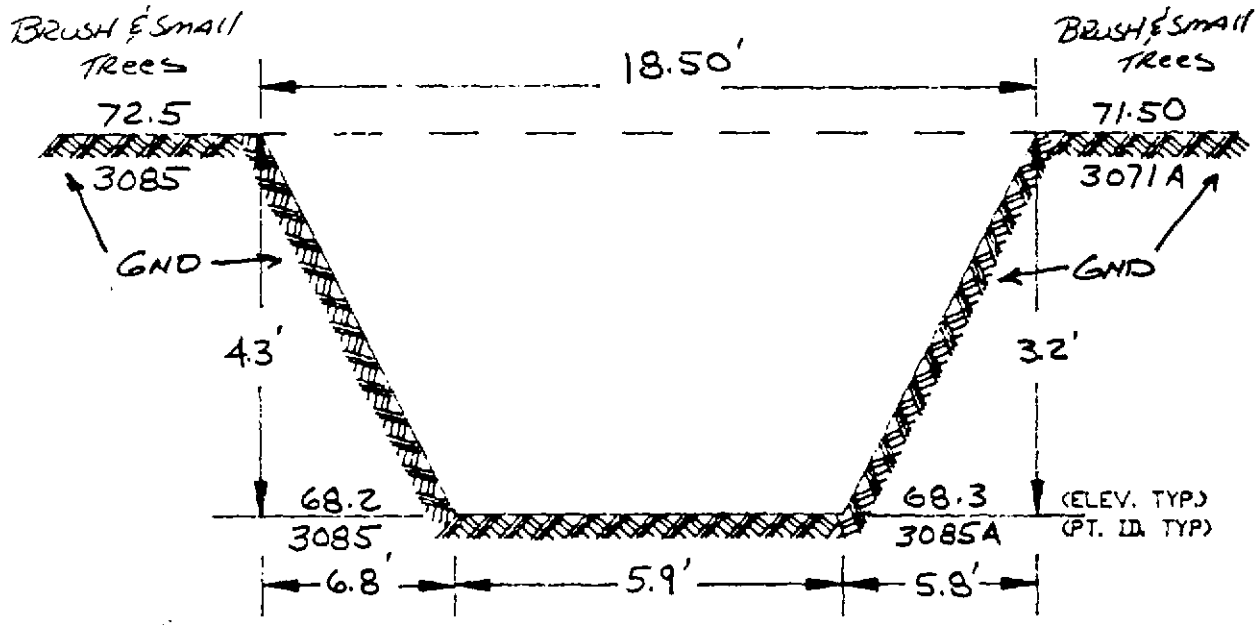
JOB NO. IW062.00	DITCH E SECTION 11	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 11 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



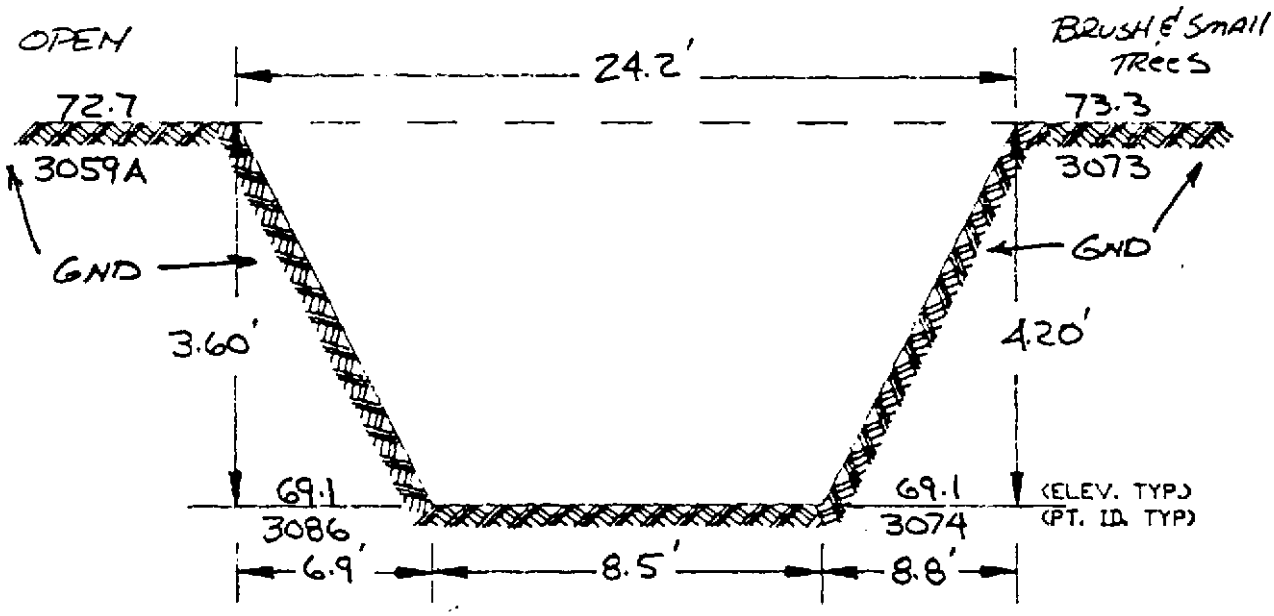
JOB NO. IW062.00	DITCH E SECTION 12	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 12 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



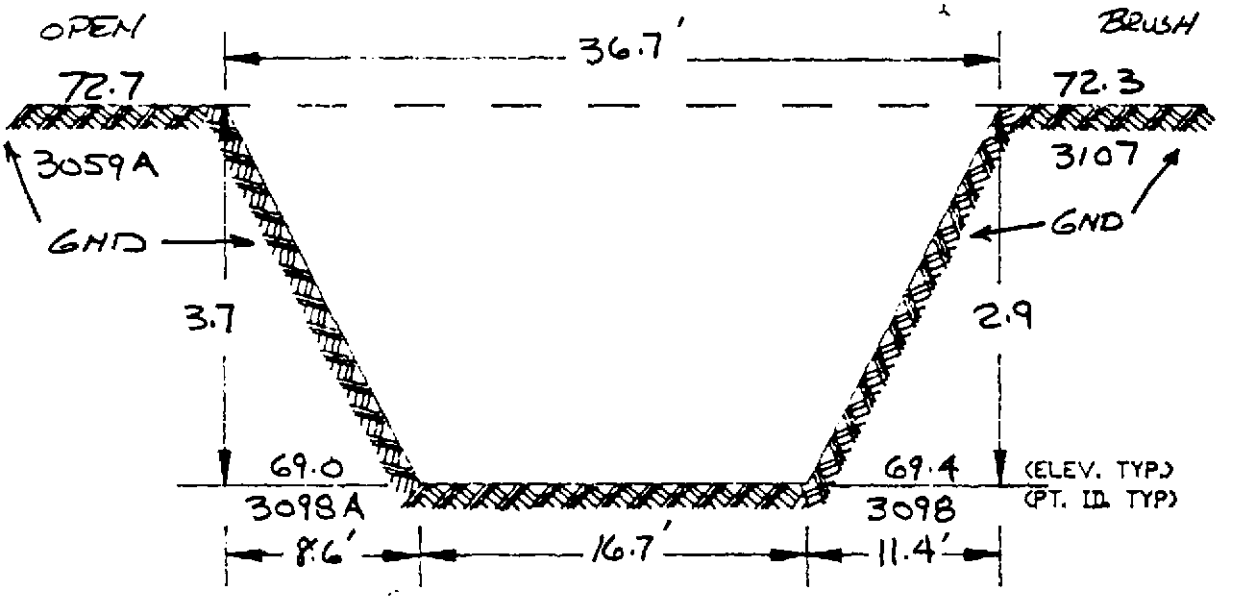
JOB NO. IW062.00	DITCH E SECTION 13	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 13 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



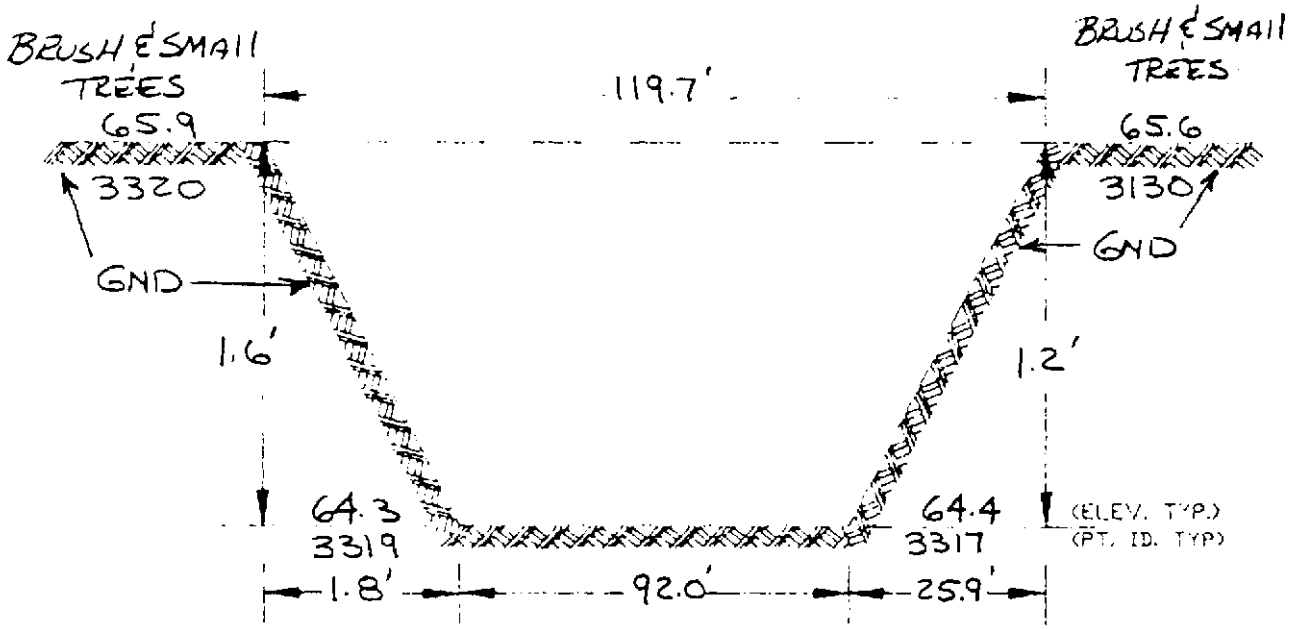
JOB NO. IW062.00	DITCH E SECTION 14	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 14 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



JOB NO. IW062.00	DITCH E SECTION 15	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 15 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4

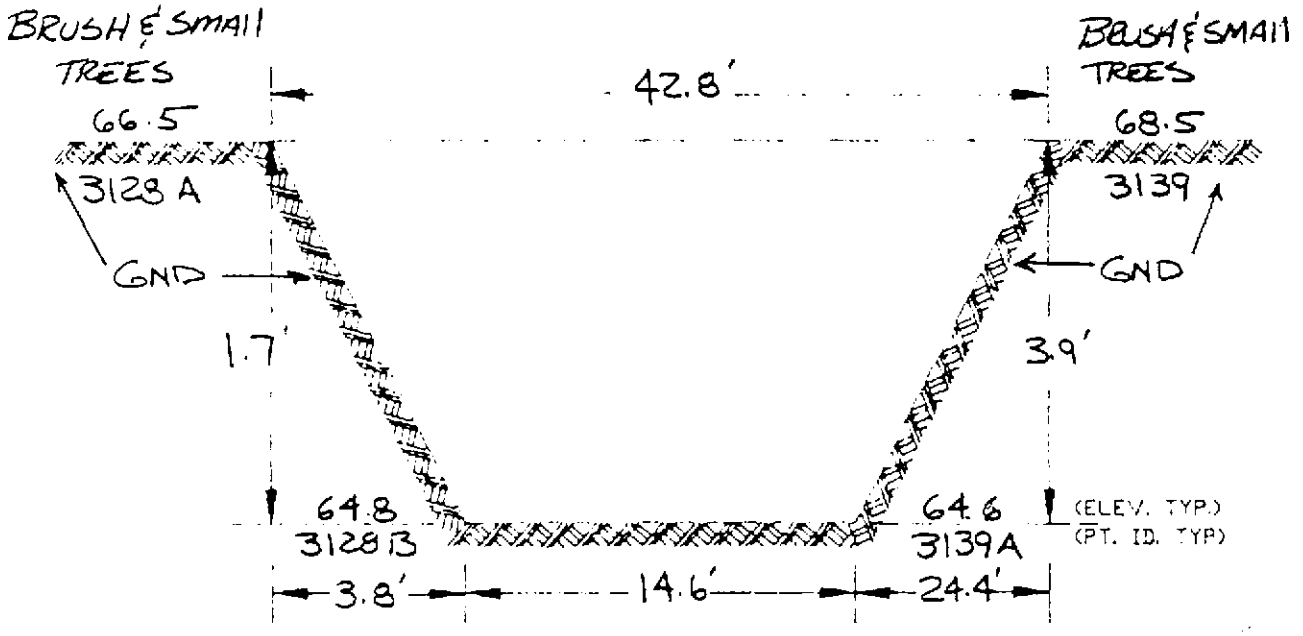


JOB NO. IW062.00	DITCH E SECTION 16	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 16 OF 16
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4

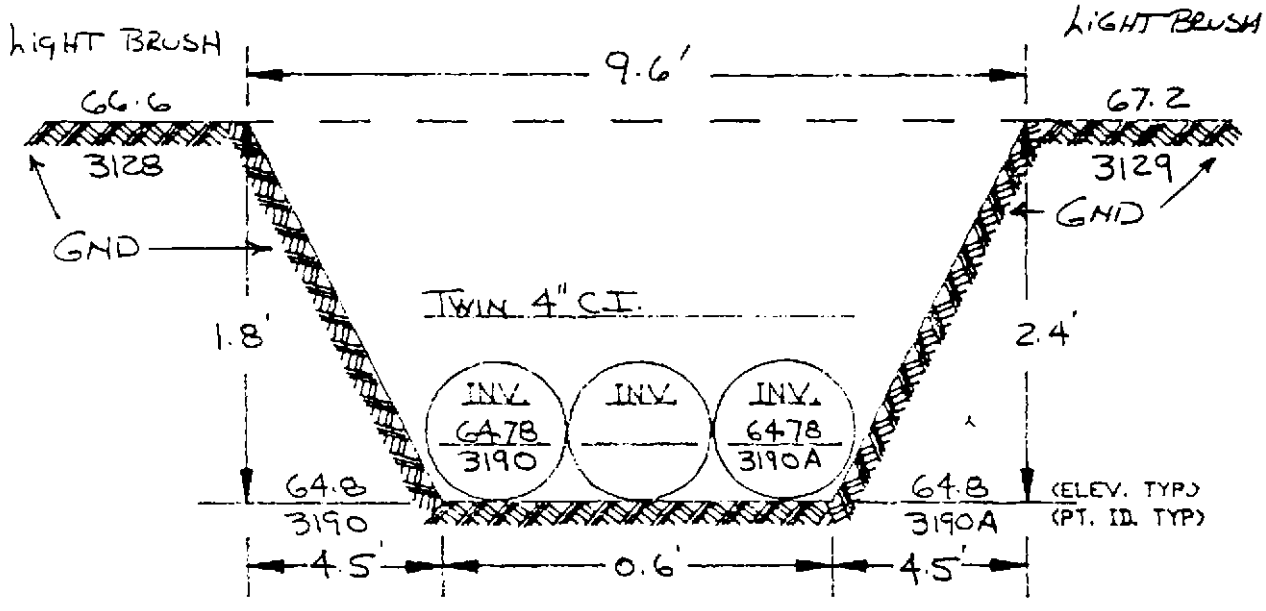


NOTE: ALL SECTIONS ARE VIEWED BY STANDING DOWNSTREAM AND LOOKING UPSTREAM.

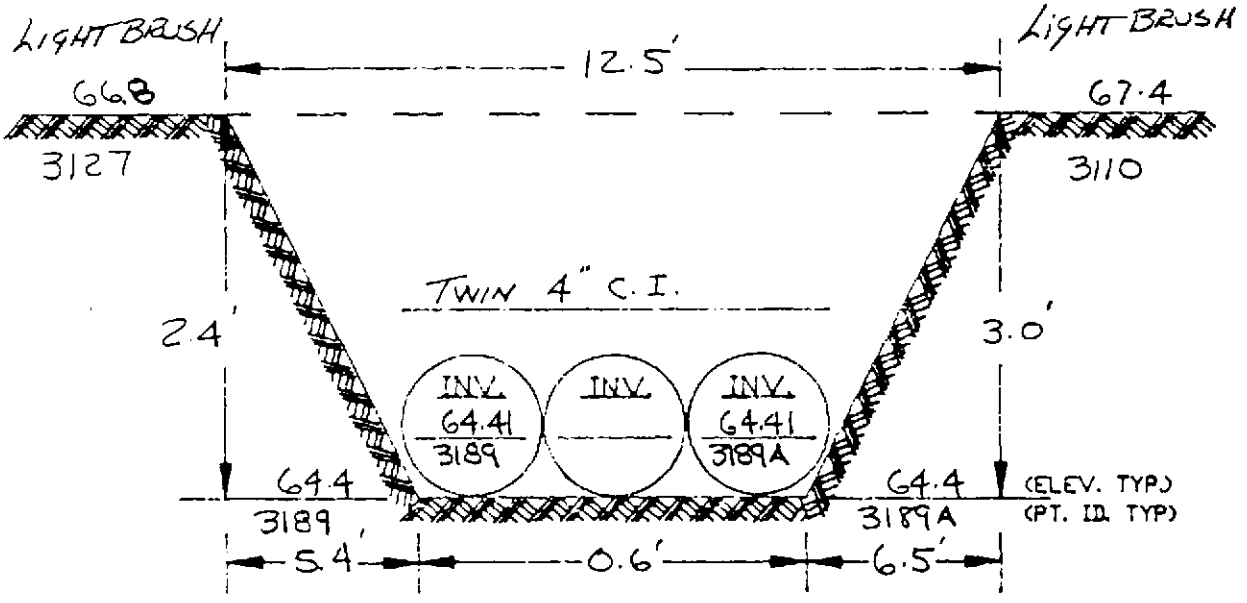
JOB NO. IW062.00	DITCH F SECTION 1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 1 OF 12
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



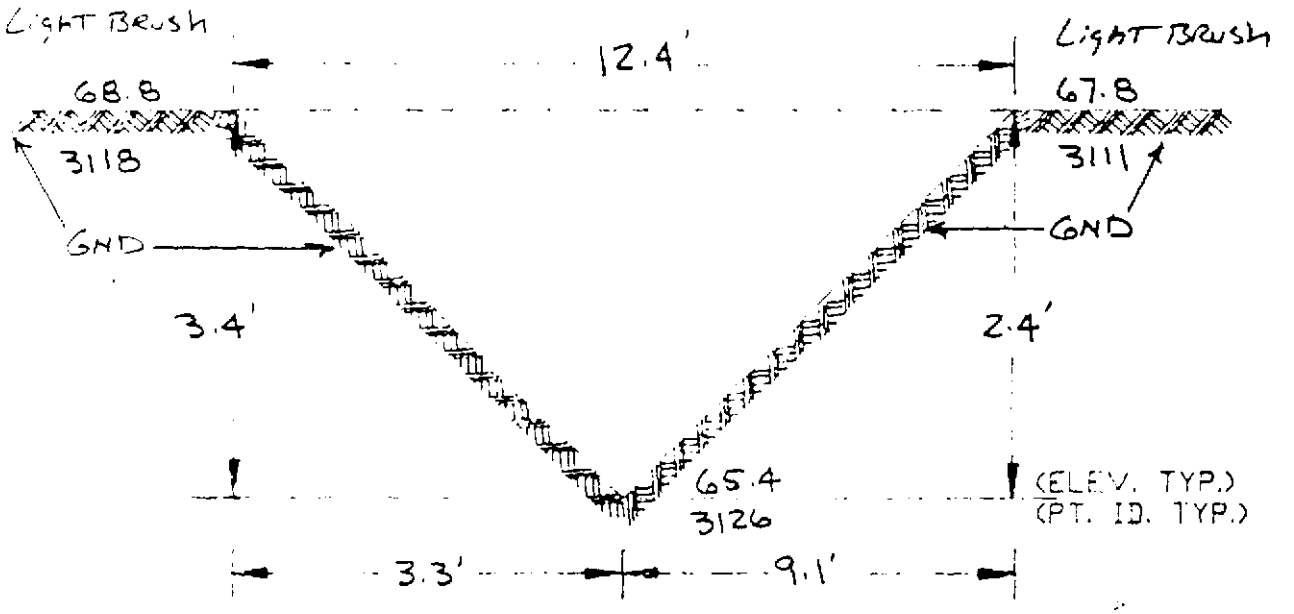
JOB NO. IW062.00	DITCH F SECTION 2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 2 OF 12
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



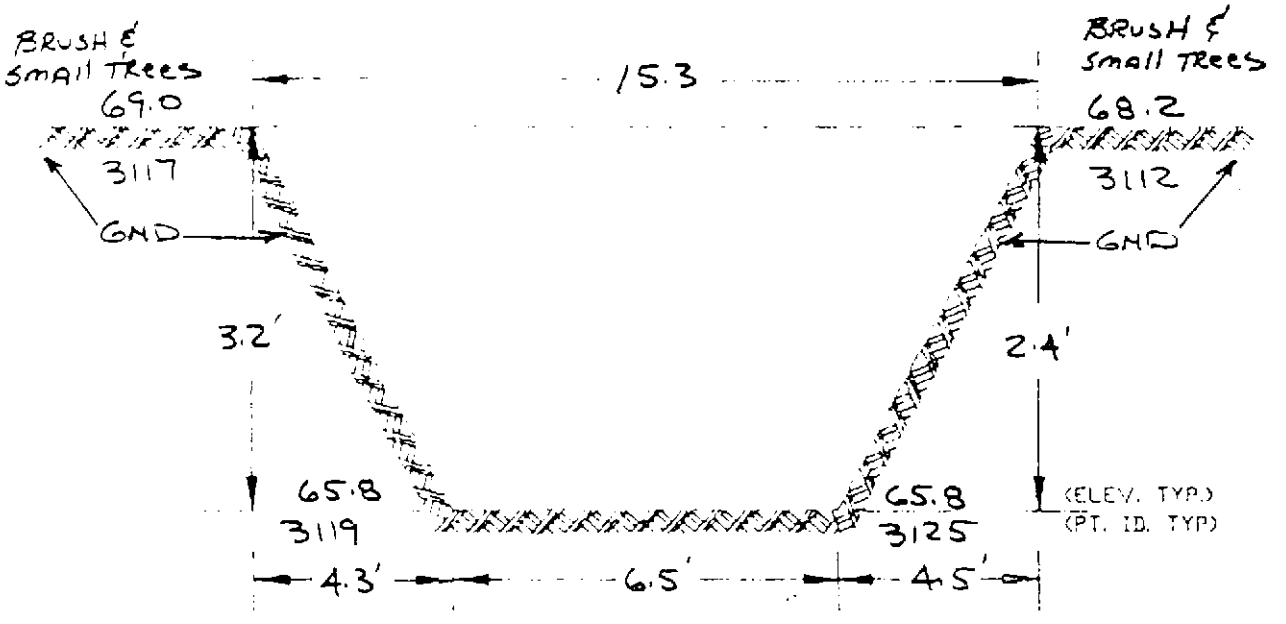
JOB NO. IW062.00	DITCH F SECTION 3	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 3 OF 12
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



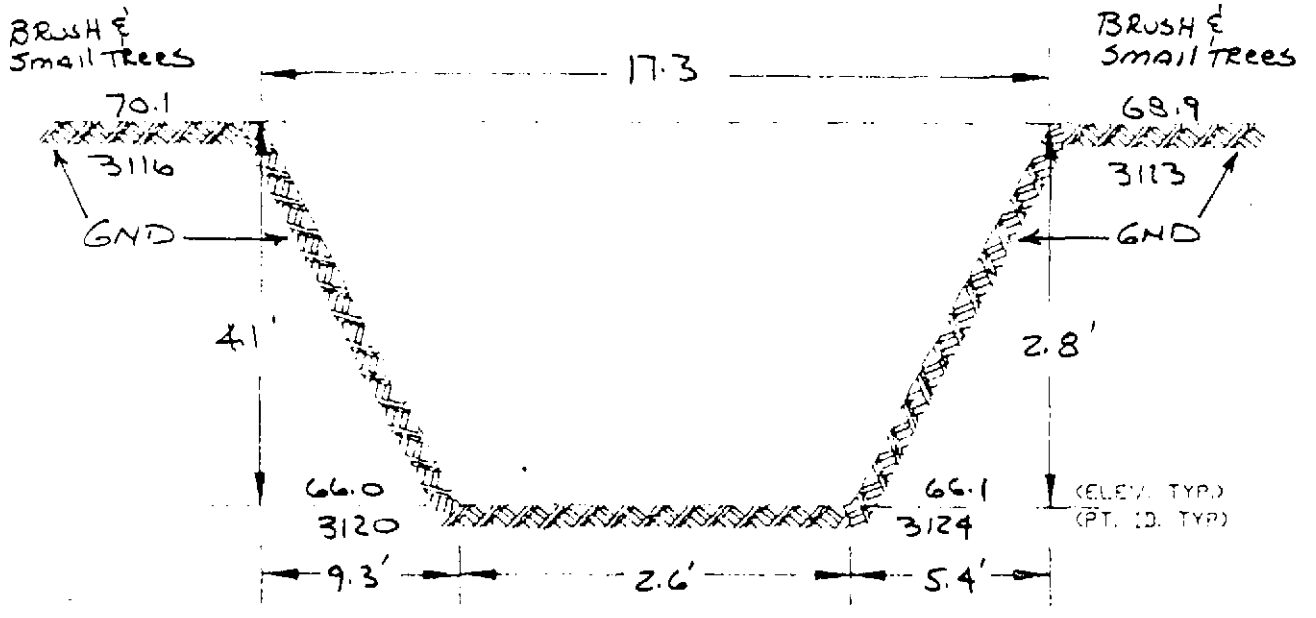
JOB NO. IW062.00	DITCH F SECTION 4	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 4 OF 12
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



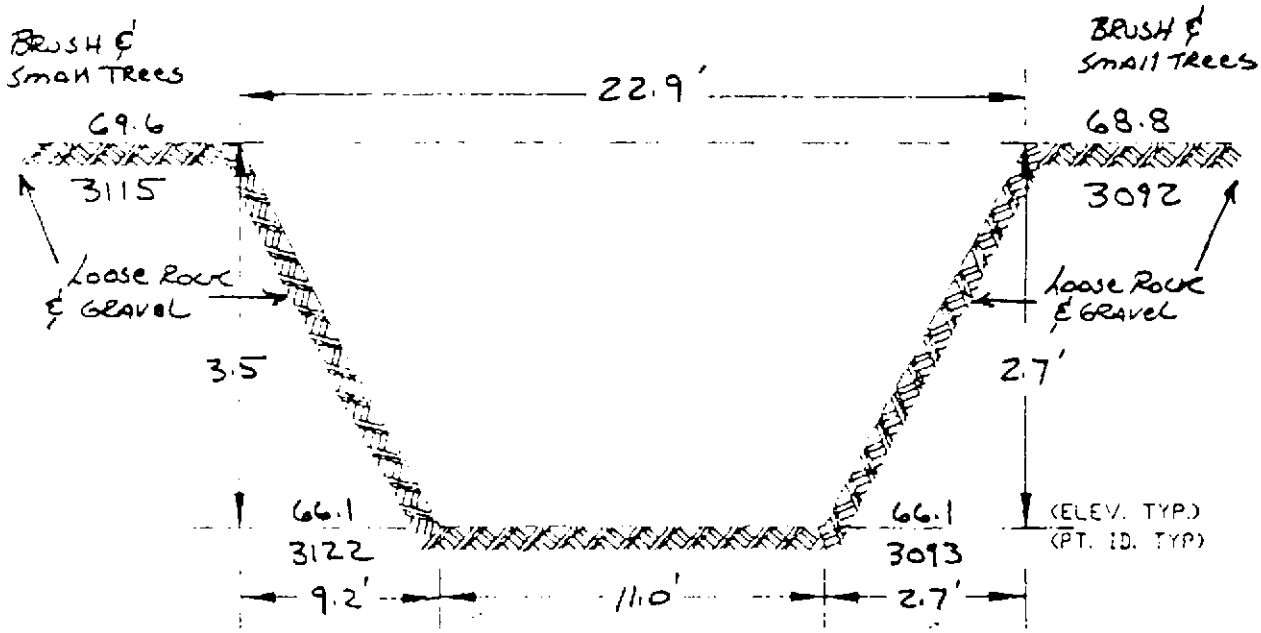
JOB NO. IW062.00	DITCH F SECTION 5	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 5 OF 12
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



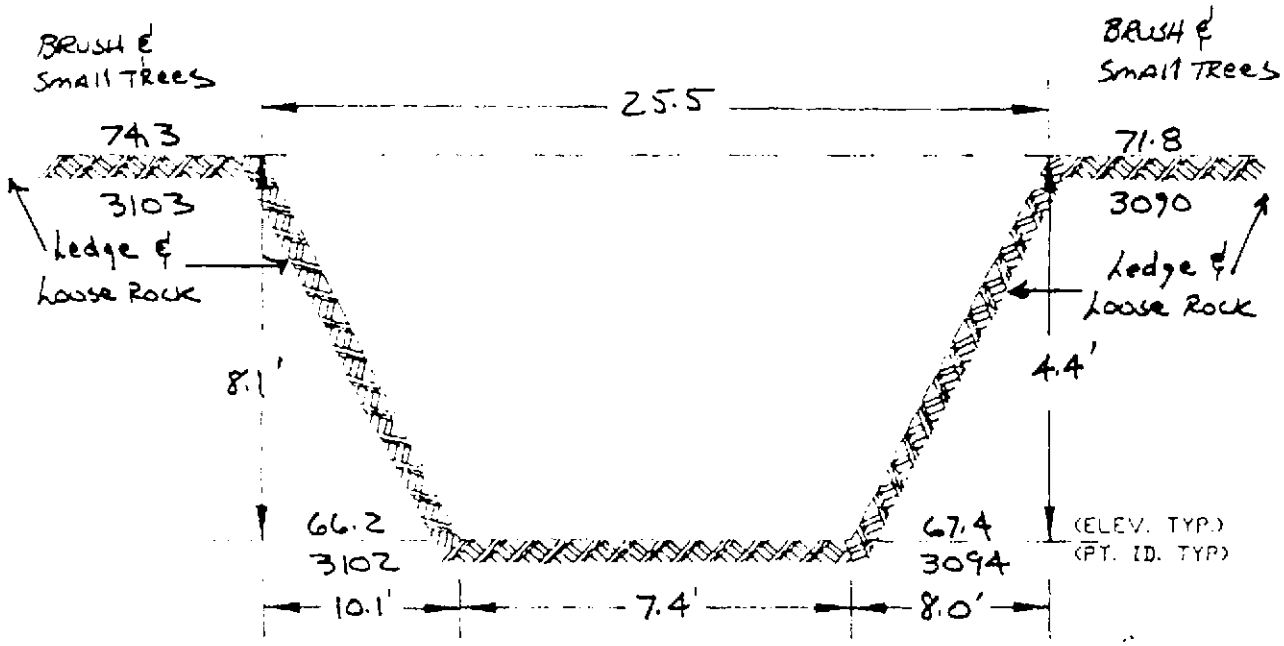
JOB NO. 1A062.00	DITCH F SECTION 6	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 6 OF 12
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



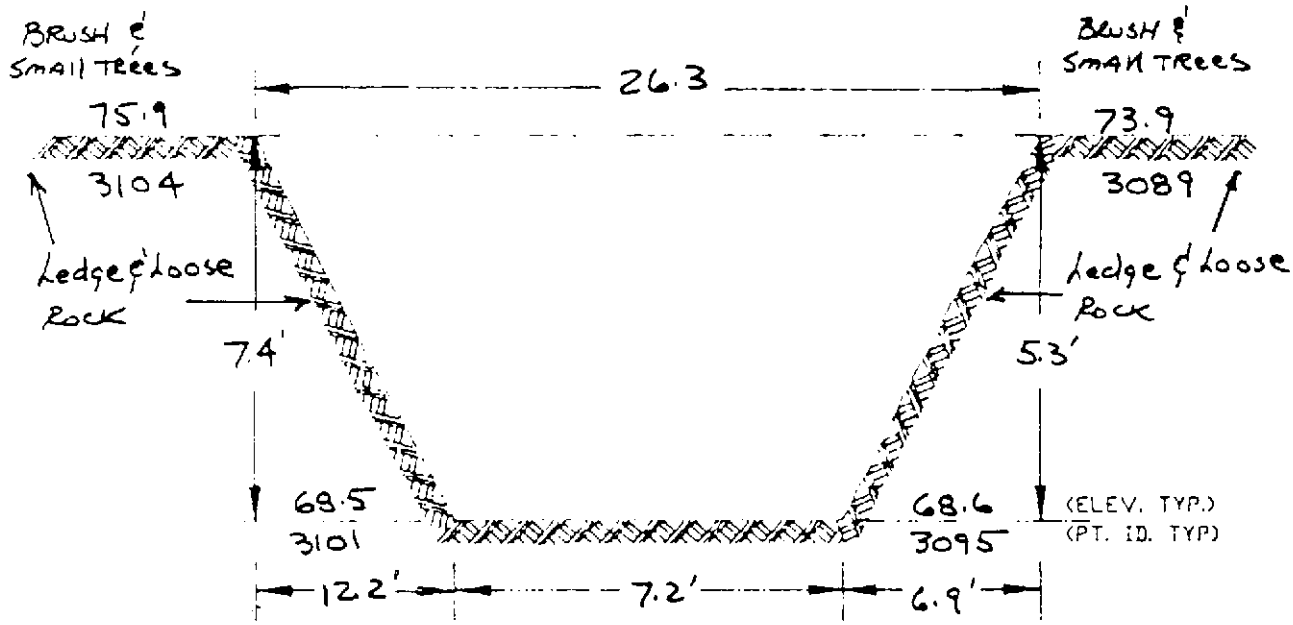
JOB NO. IW062.00	DITCH F SECTION 7	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 7 OF 12
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



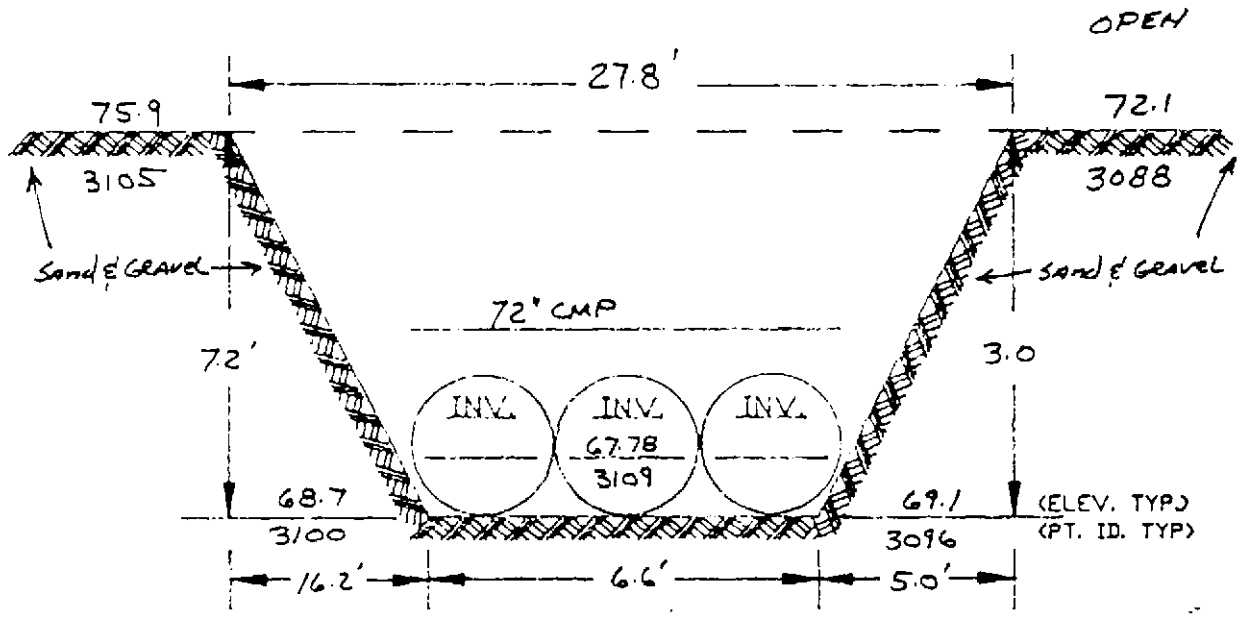
JOB NO. IW062.00	DITCH F SECTION 8	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 8 OF 12
DRAWN BY: CDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



JOB NO. IW062.00	DITCH F SECTION 9	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 9 OF 12
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4

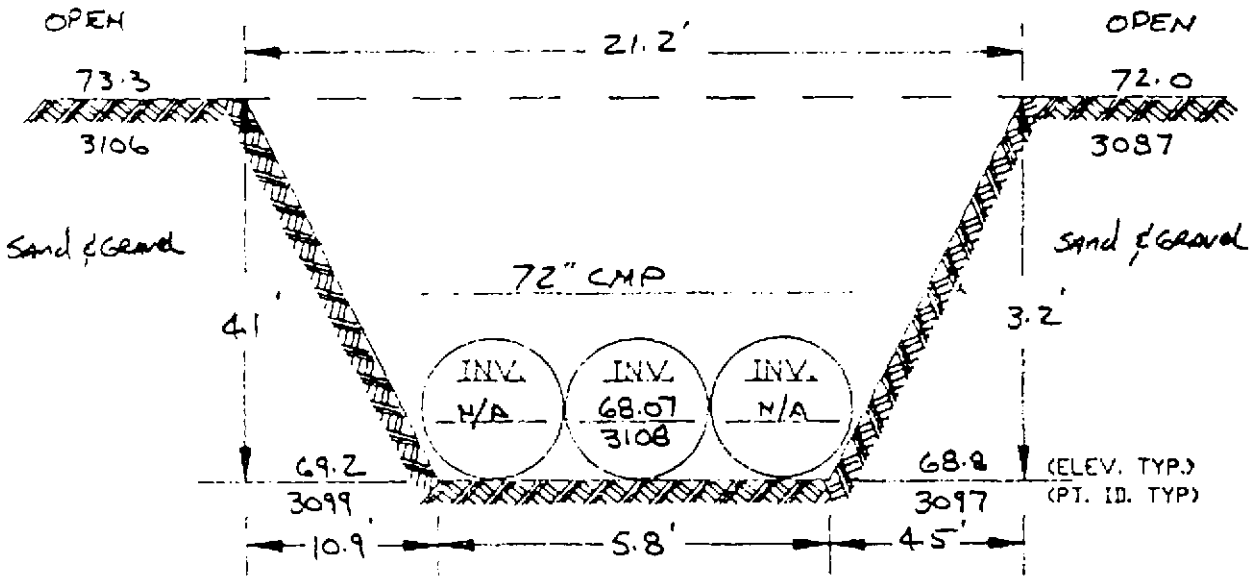


JOB NO. IW062.00	DITCH F SECTION 10	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 10 OF 12
DRAWN BY: [illegible]	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWA NORTHEAST	2 OF 4



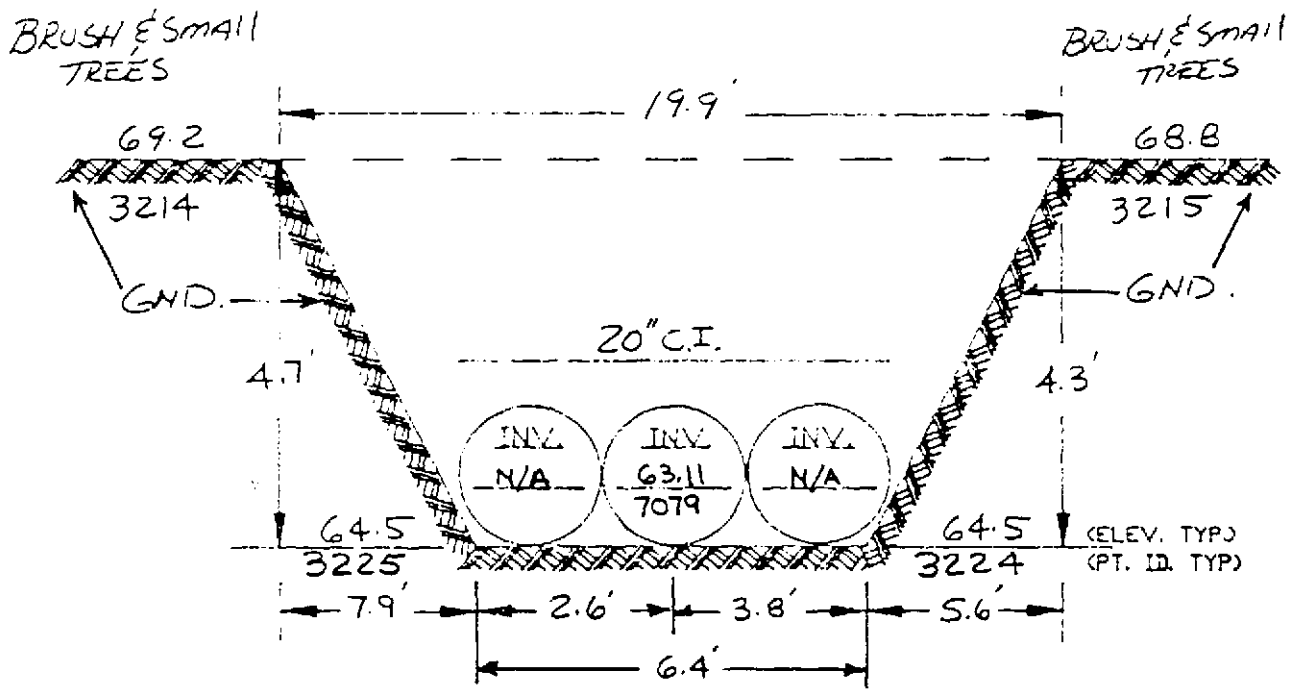
Revised 5/2/91

JOB NO. IW062.00	DITCH F SECTION 11	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 11 OF 12
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



Revised 5/2/91

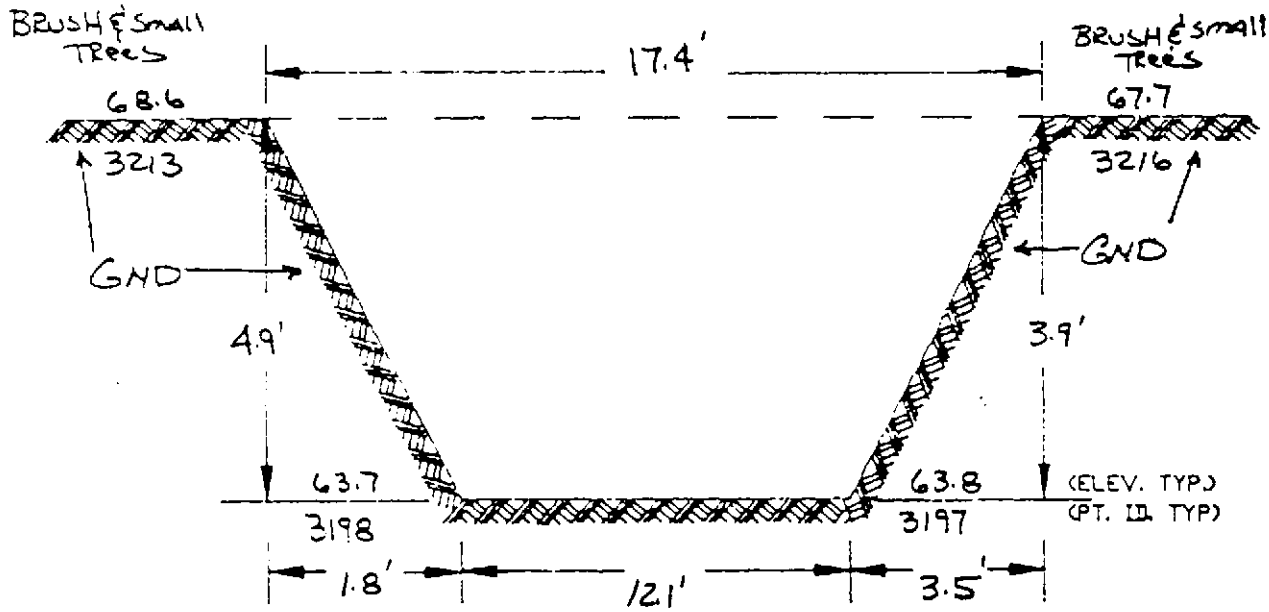
JOB NO. IW062.00	DITCH F SECTION 12	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 12 OF 12
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



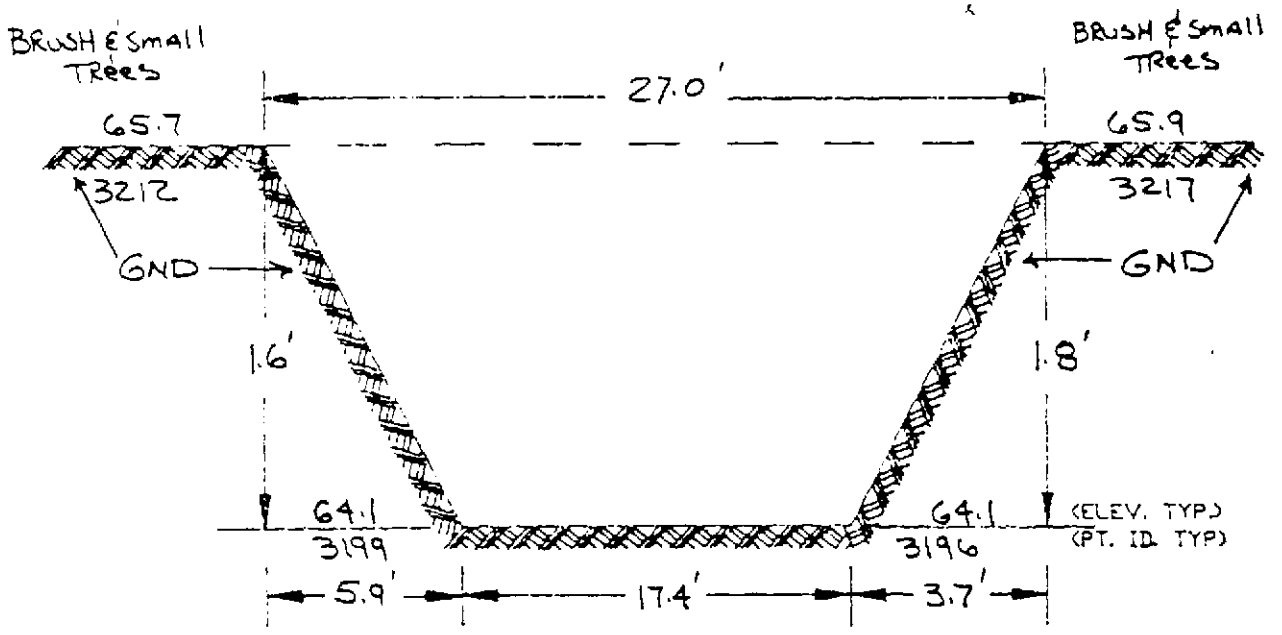
NOTE: ALL SECTIONS ARE VIEWED by STANDING DOWN STREAM AND LOOKING UP STREAM.

REVISED 12/16/91

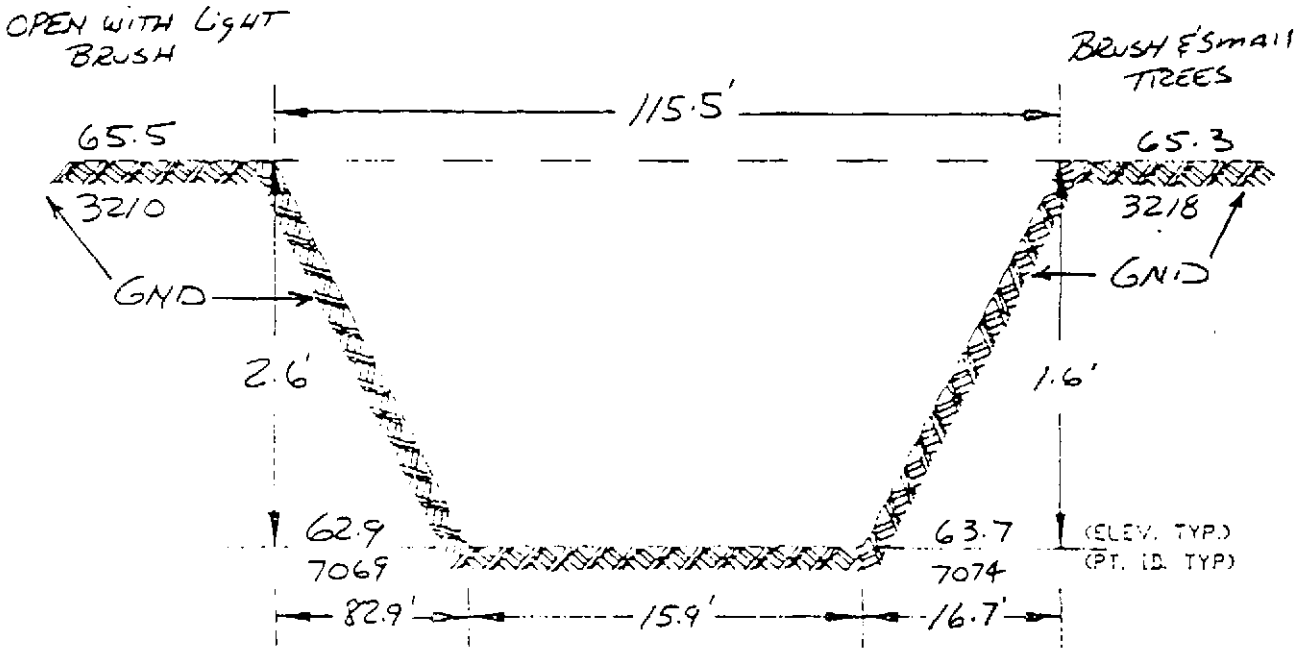
JOB NO. IW062.00	DITCH G SECTION 1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 1 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWA NORTHEAST	2 OF 4



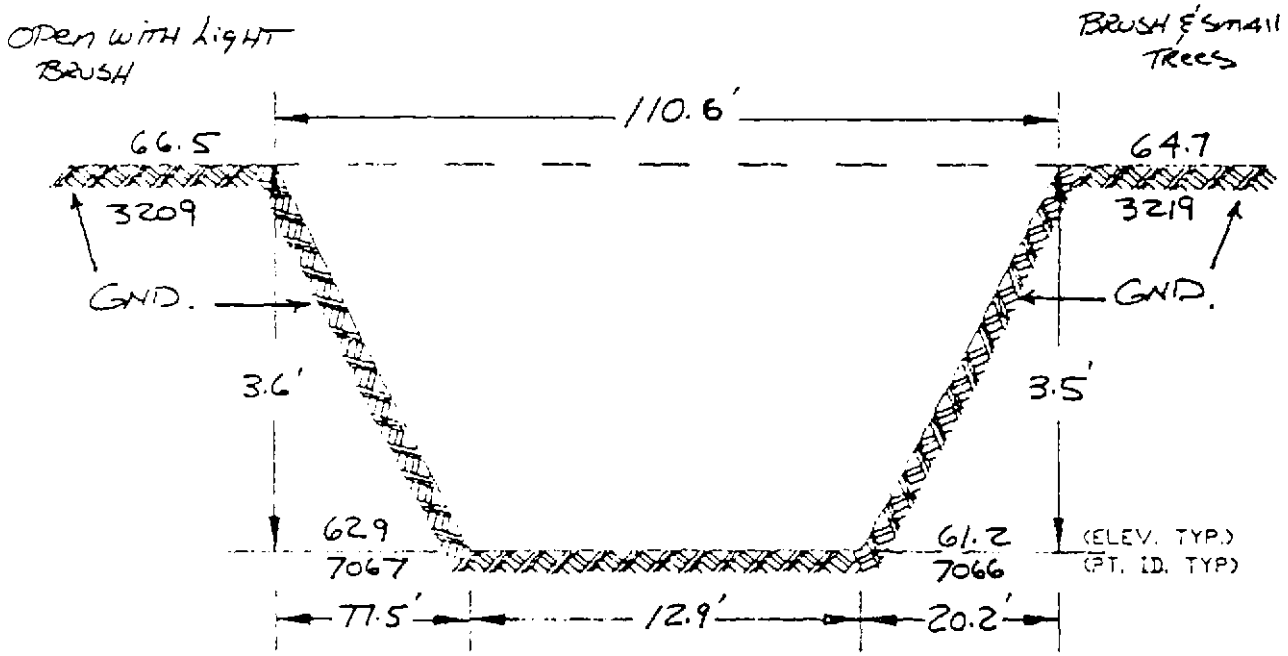
JOB NO. 1W062.00	DITCH G SECTION 2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 2 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



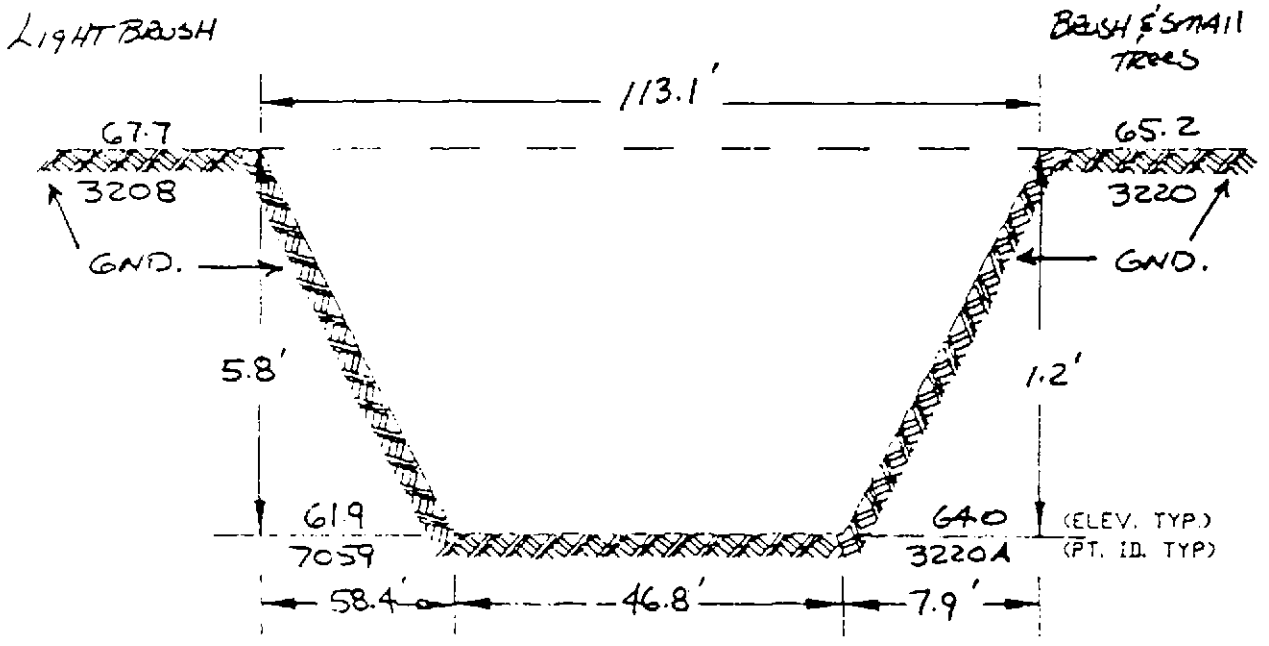
JOB NO. IW062.00	DITCH G SECTION 3	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 3 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



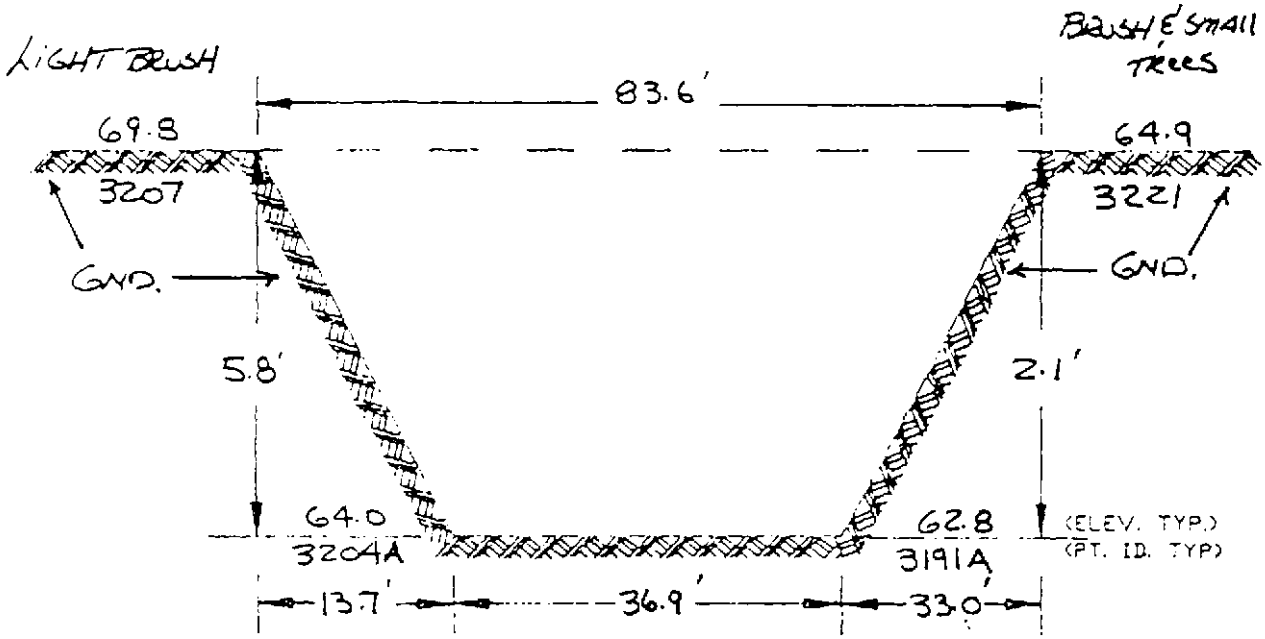
JOB NO. IWO62.00	DITCH G SECTION 4	SCALE: NTS
CHECKED BY: DEB	INDUSTRI-PLEX SITE	DRAWING 4 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



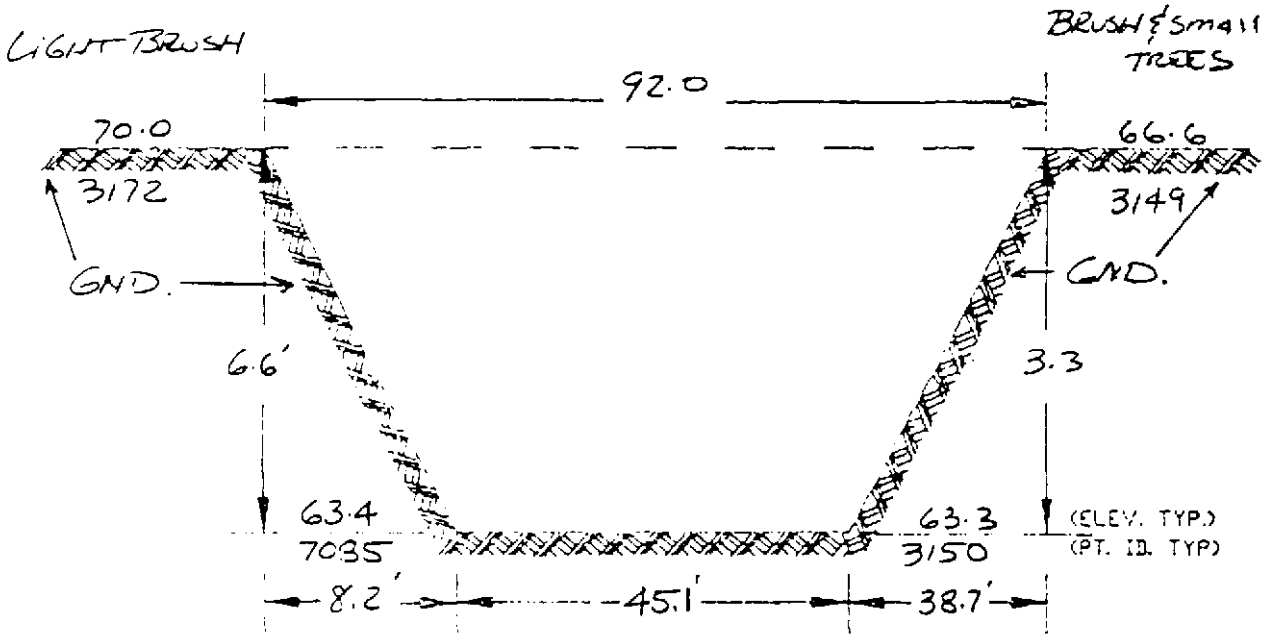
JOB NO. IW062.00	DITCH G SECTION 5	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 5 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



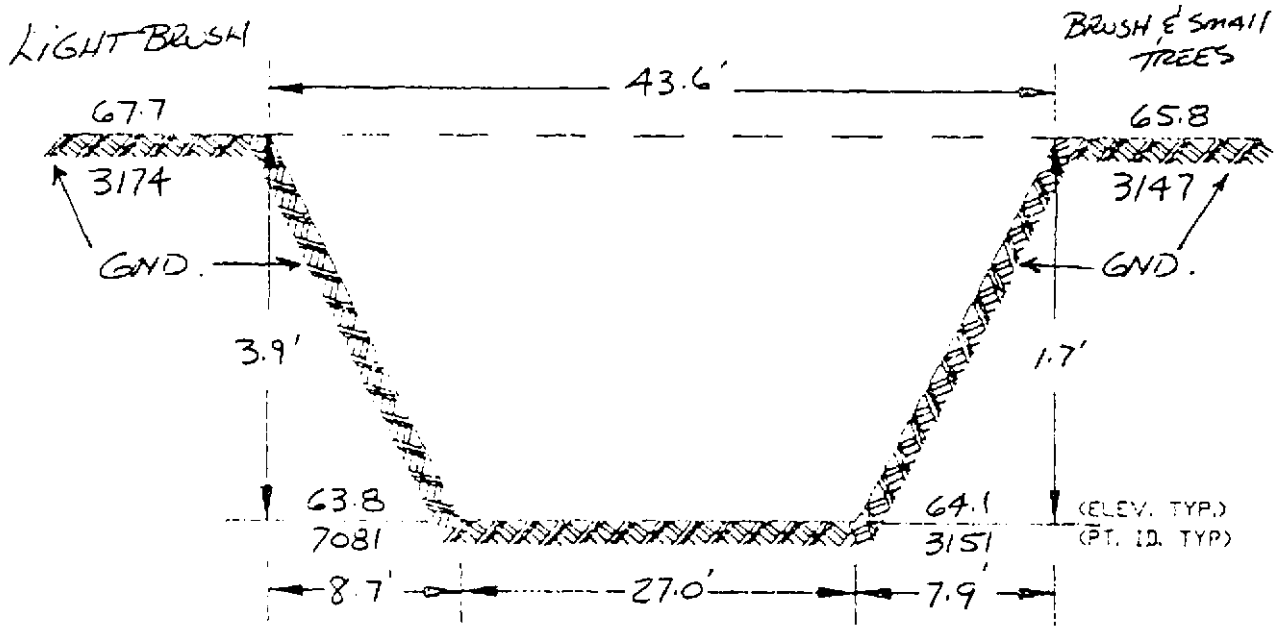
JOB NO. WO62.00	DITCH G SECTION 6	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 6 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



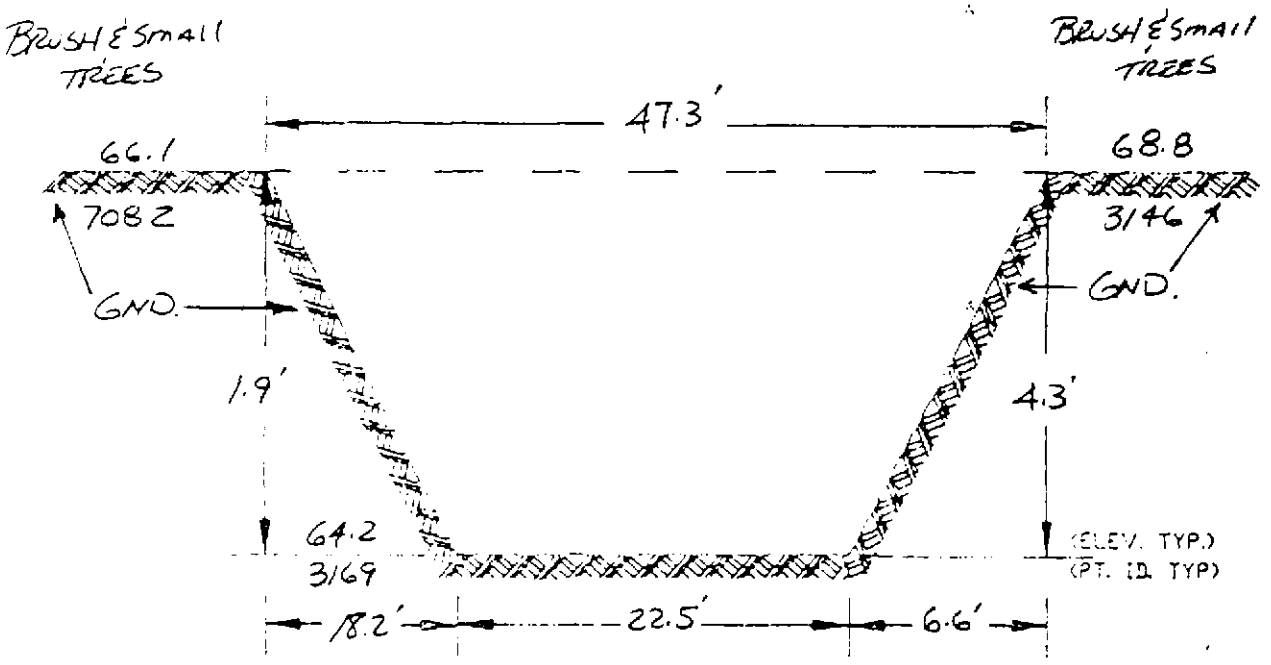
JOB NO. 1W062.00	DITCH G SECTION 7	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 7 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



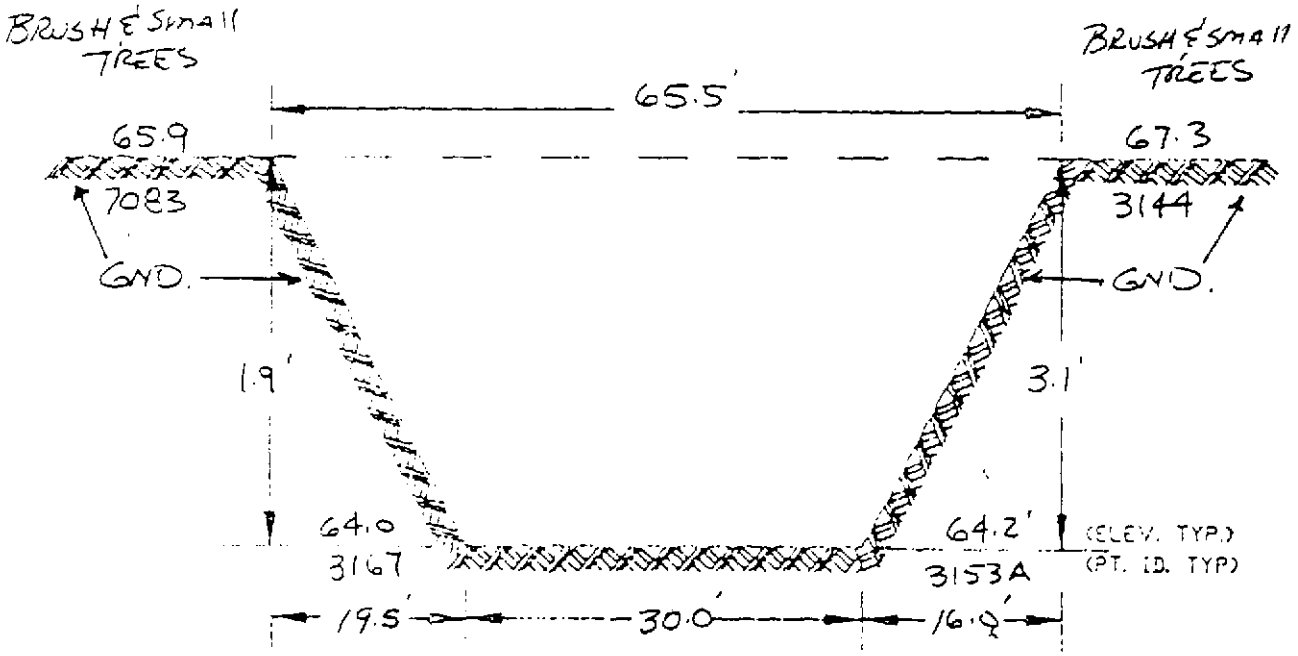
JOB NO. TW062.00	DITCH G SECTION 8	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 8 OF 26
DRAWN BY: [illegible]	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



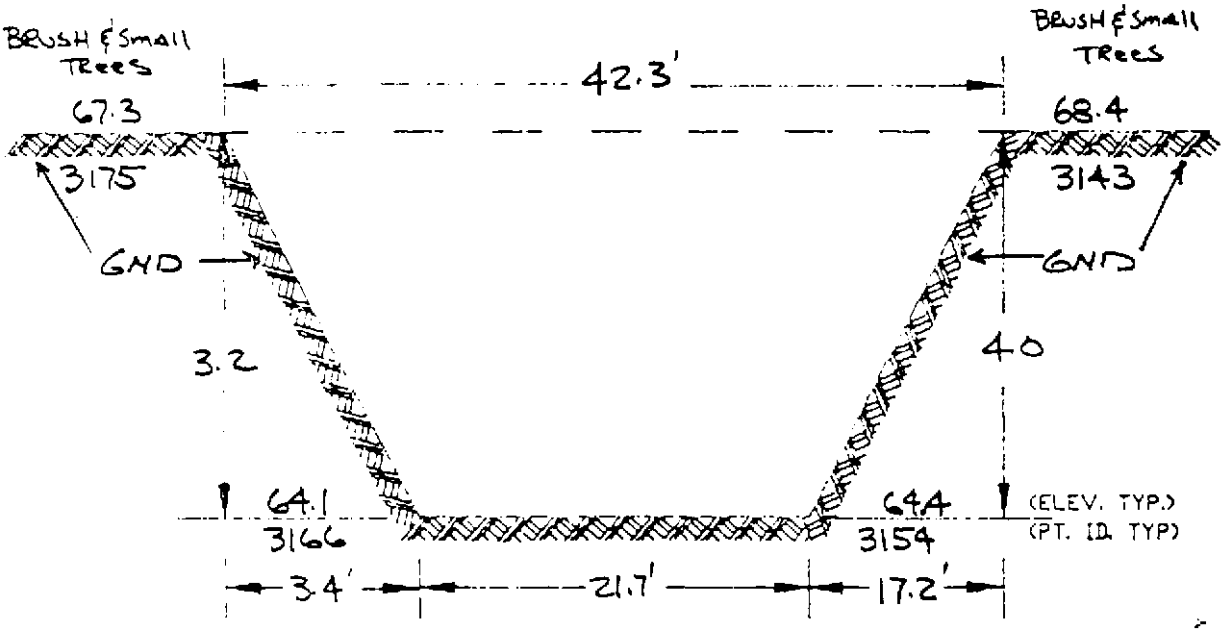
JOB NO. WO62.00	DITCH G SECTION 9	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 9 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



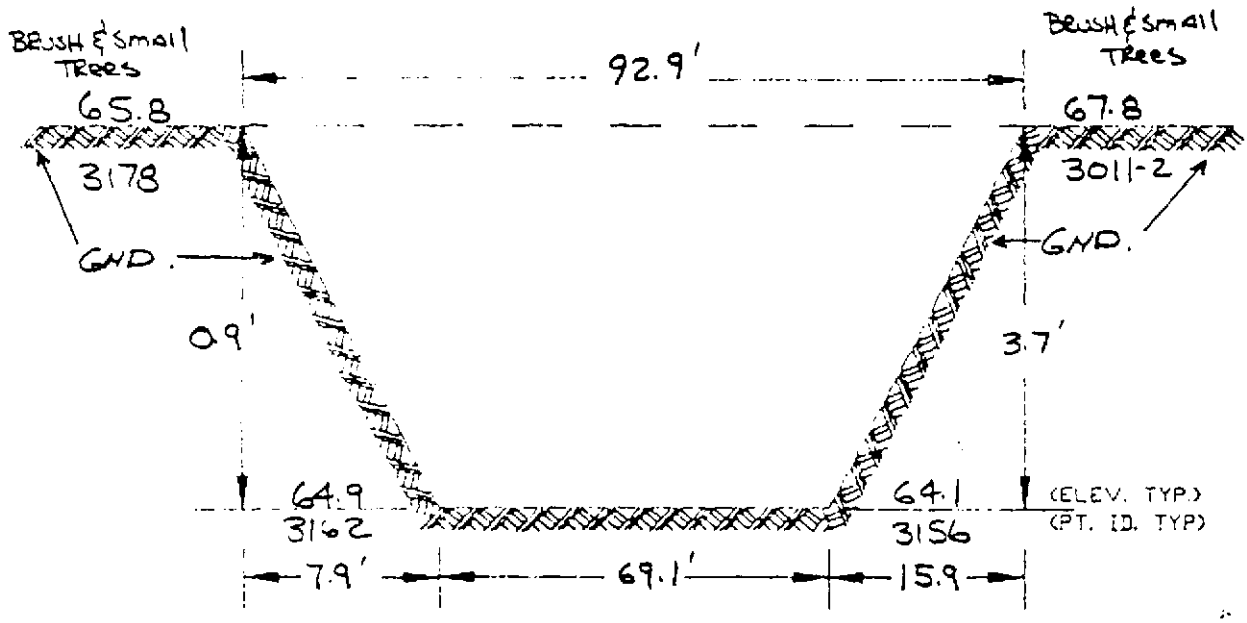
JOB NO. IW062.00	DITCH G SECTION 10	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 10 OF 26
DRAWN BY: [illegible]	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



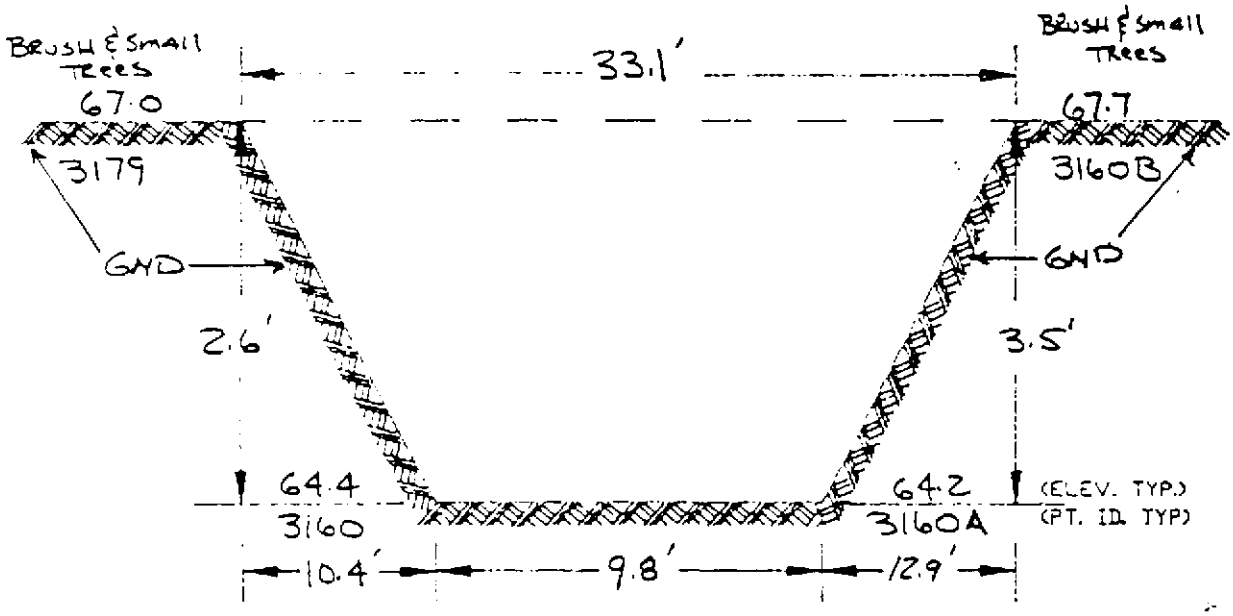
JOB NO. [illegible]	DITCH G SECTION //	SCALE: NTS
CHECKED BY PSB	INDUSTRI-PLEX SITE	DRAWING // 0F26
DRAWN BY [illegible]	AUBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE [illegible]	TAMS NORTHEAST	2 OF 4



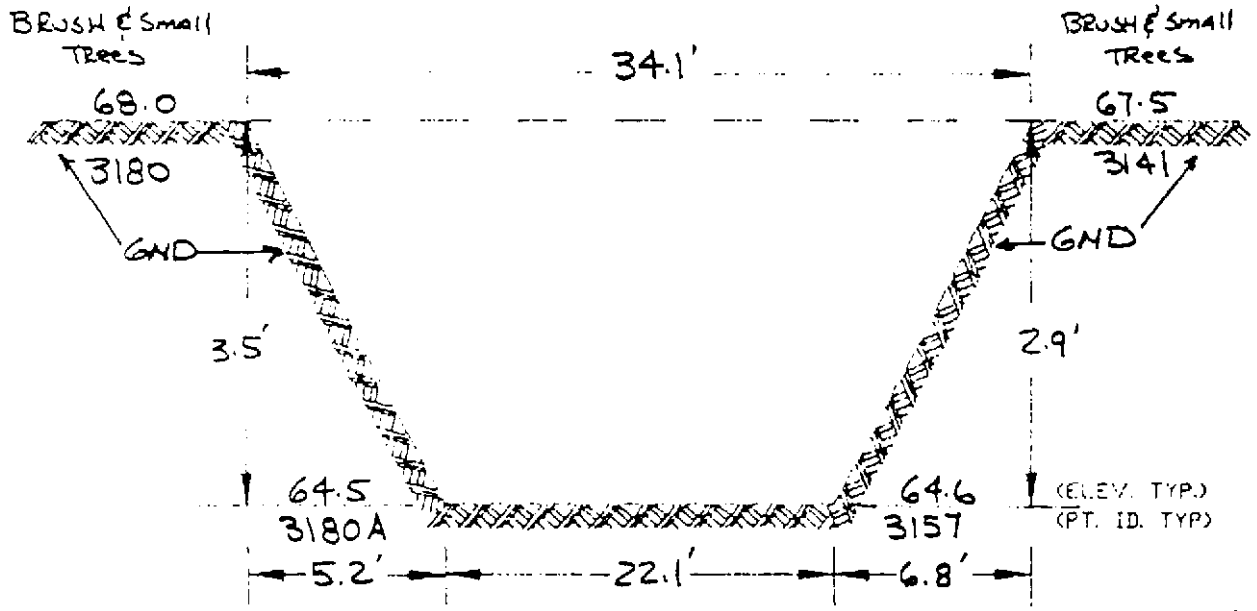
JOB NO. 14062.00	DITCH G SECTION 12	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 12 OF 24
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



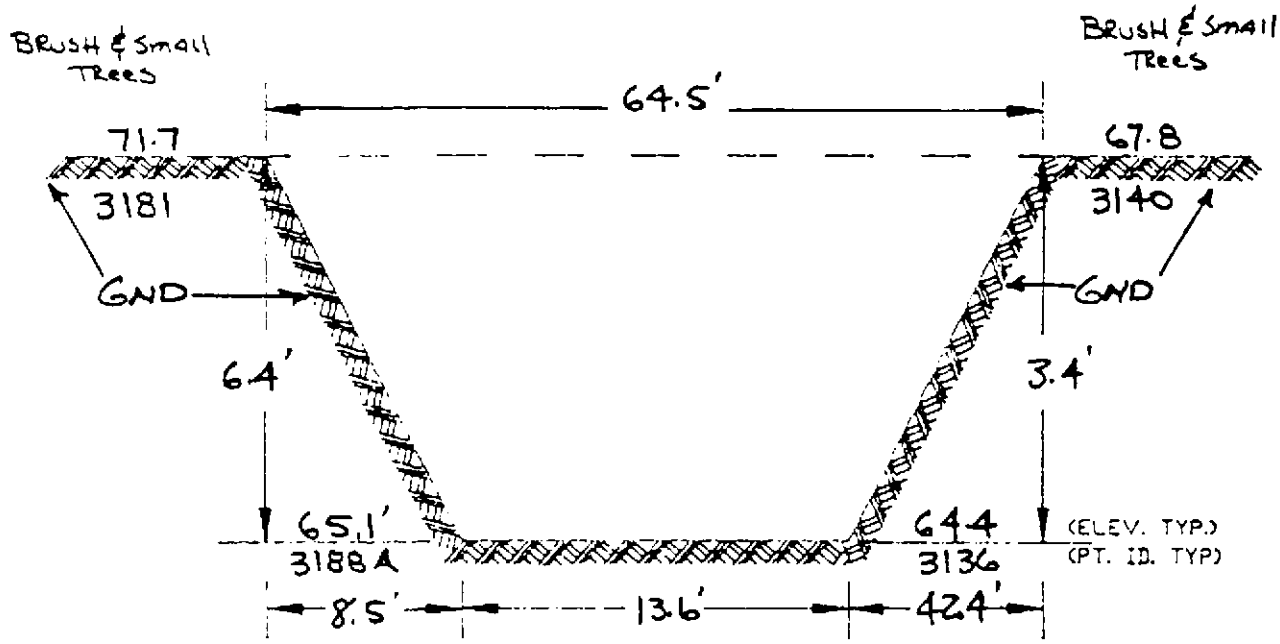
JOB NO. IW062.00	DITCH G SECTION 13	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 13 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



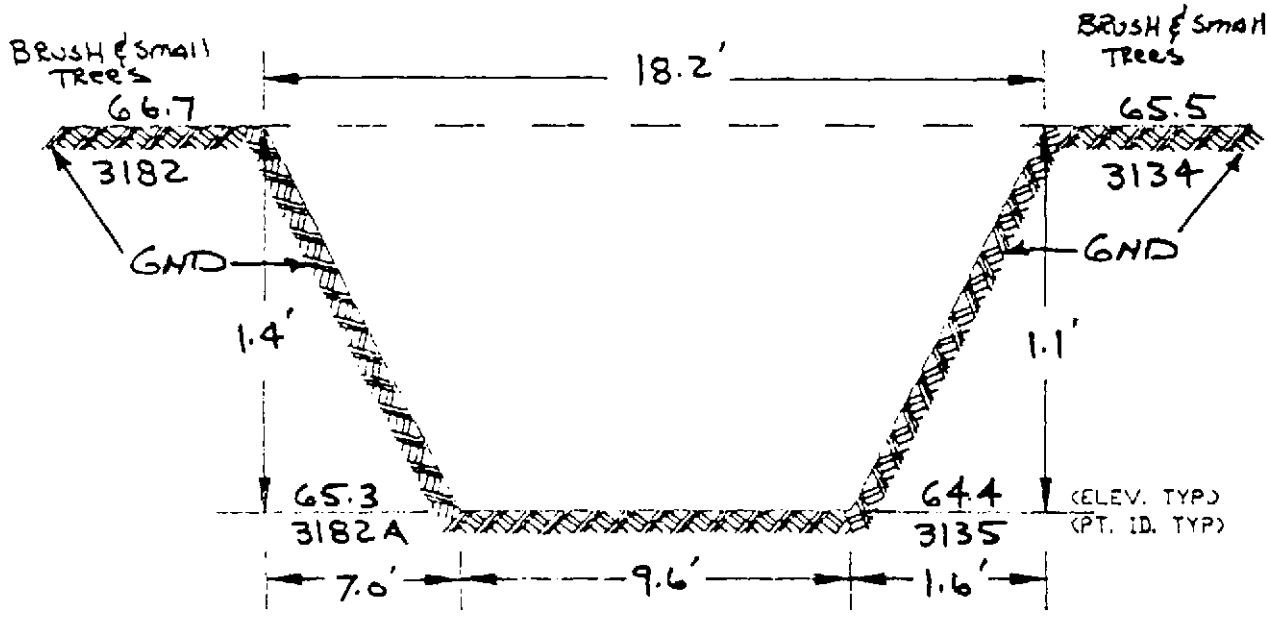
JOB NO. IW062.00	DITCH G SECTION 14	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 14 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWA NORTHEAST	2 OF 4



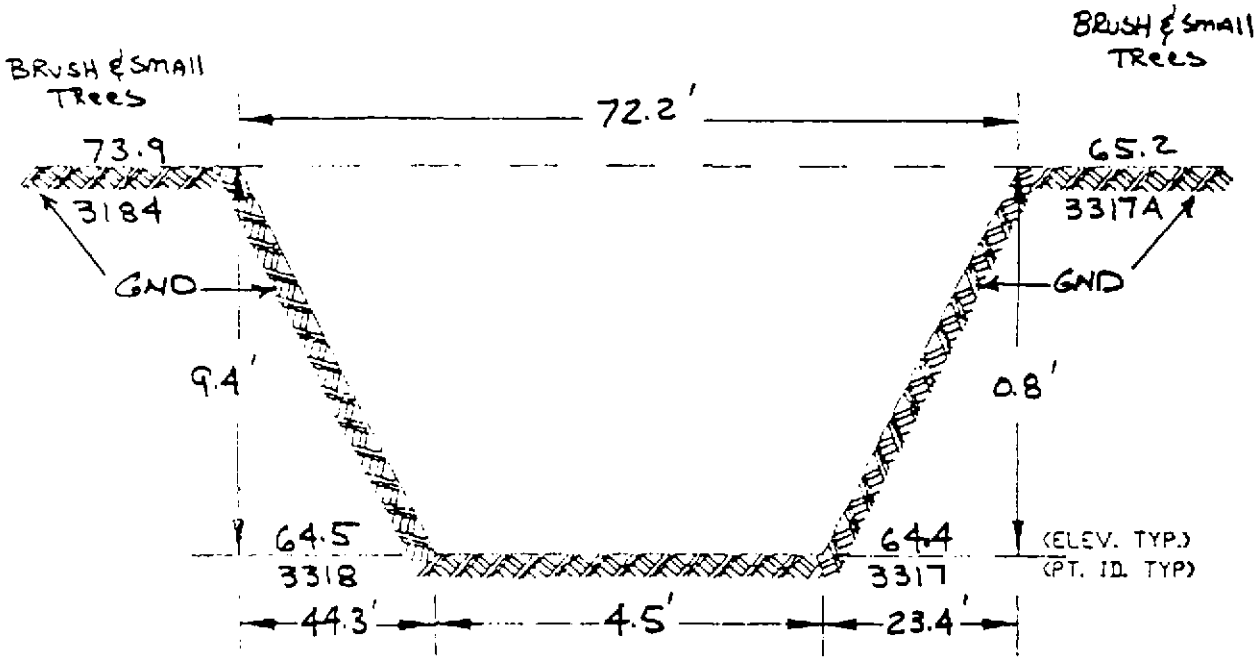
JOB NO. IW062.00	DITCH G SECTION 15	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 15 OF 26
DRAWN BY: GDM	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



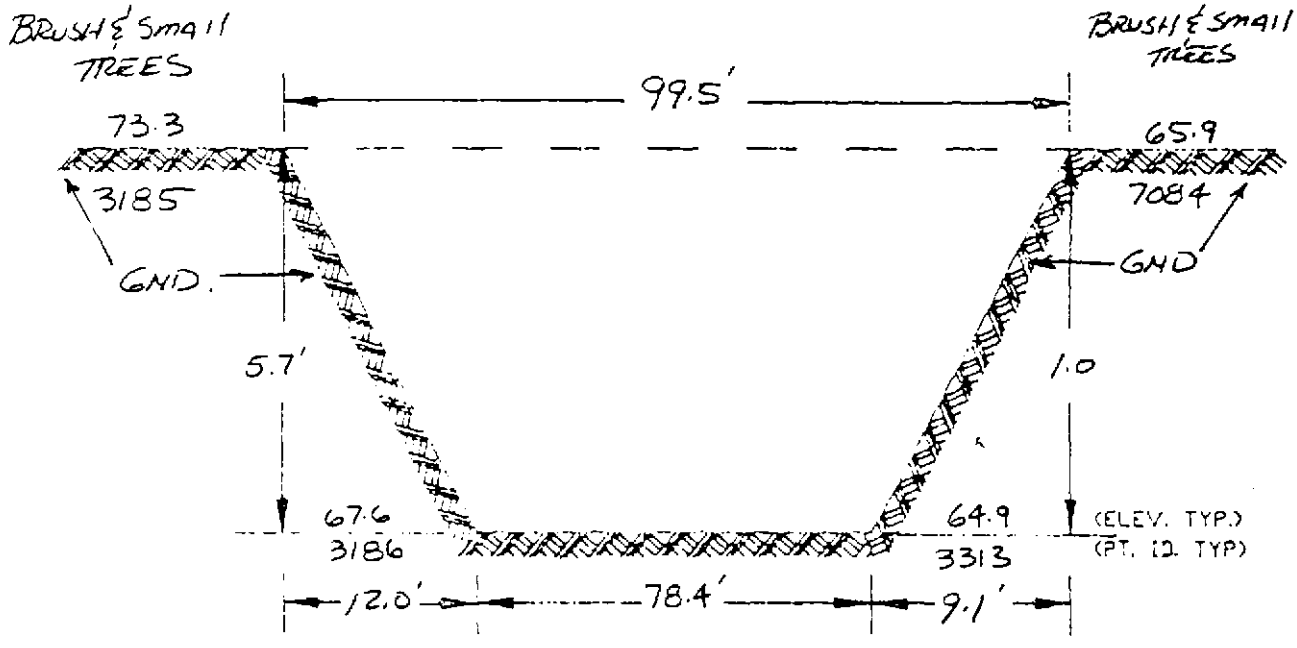
JOB NO. IW062.00	DITCH G SECTION 16	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 16 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



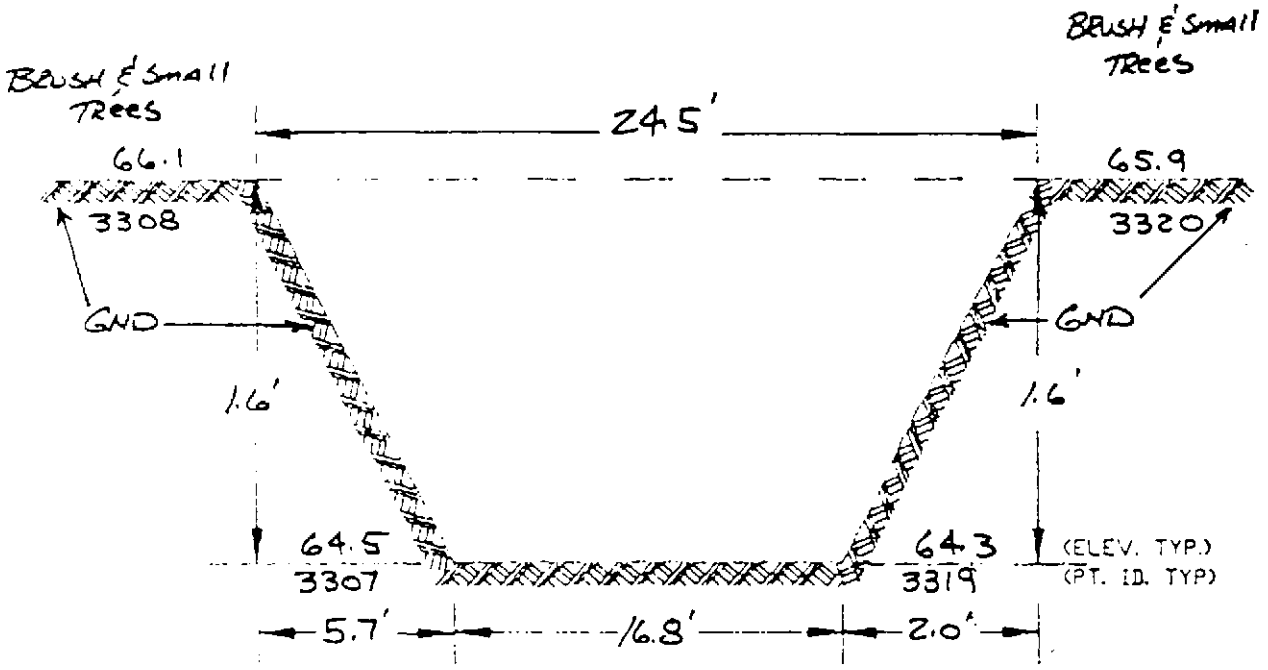
JOB NO. IW062.00	DITCH G SECTION 17	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 17 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



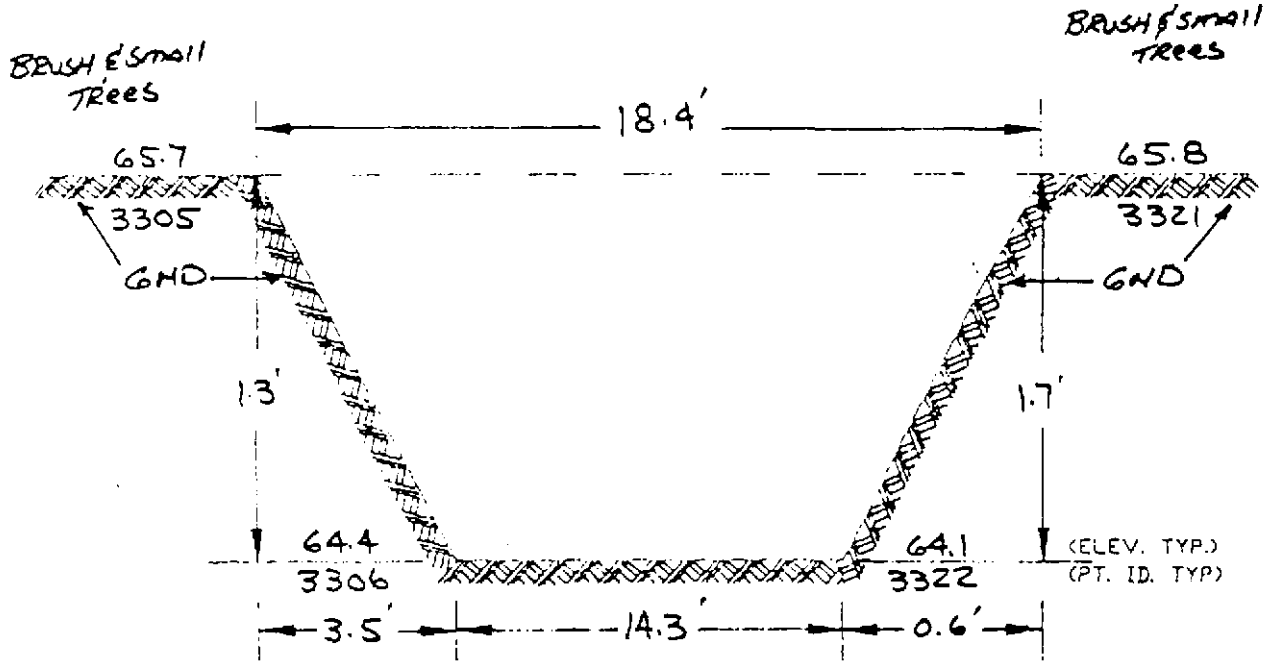
JOB NO. IW062.00	DITCH G SECTION 18	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 18 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



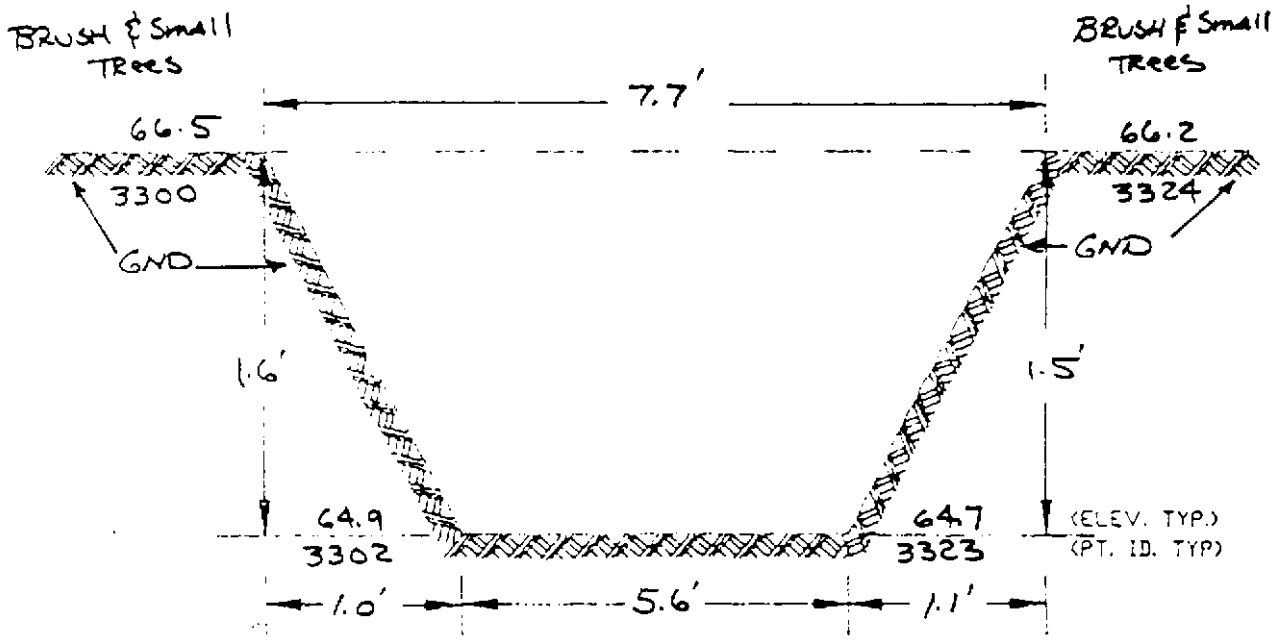
JOB NO. IW062.00	DITCH G SECTION 19	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 19 OF 26
DRAWN BY: GOH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



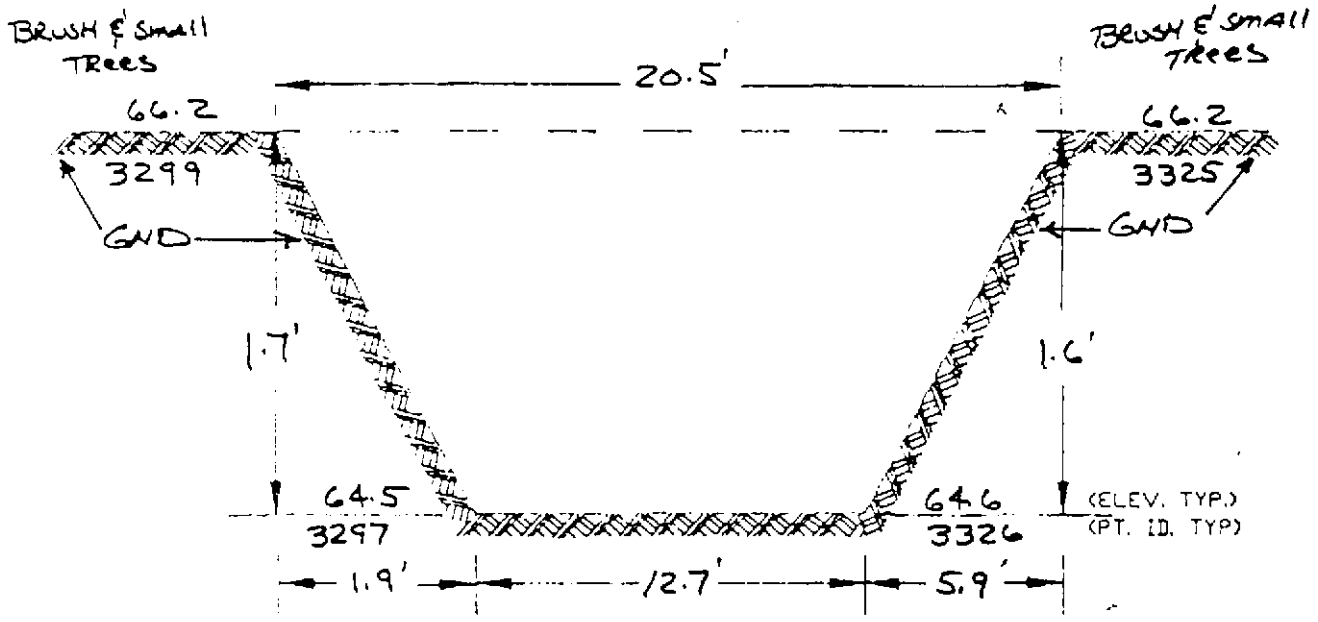
JOB NO. 4062.00	DITCH 6 SECTION 20	SCALE: NTS
CHECKED BY PEB	INDUSTRI-PLEX SITE	DRAWING 20 OF 24
DRAWN BY GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



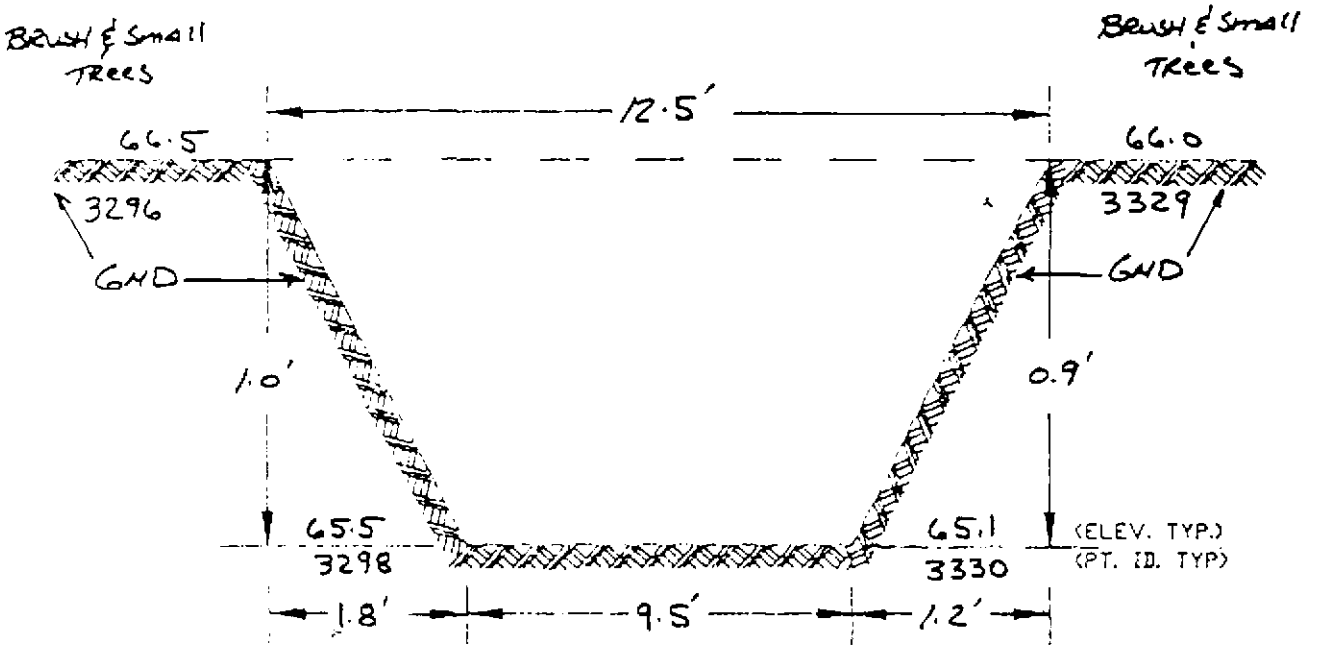
JOB NO. IW062.00	DITCH G SECTION 21	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 21 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



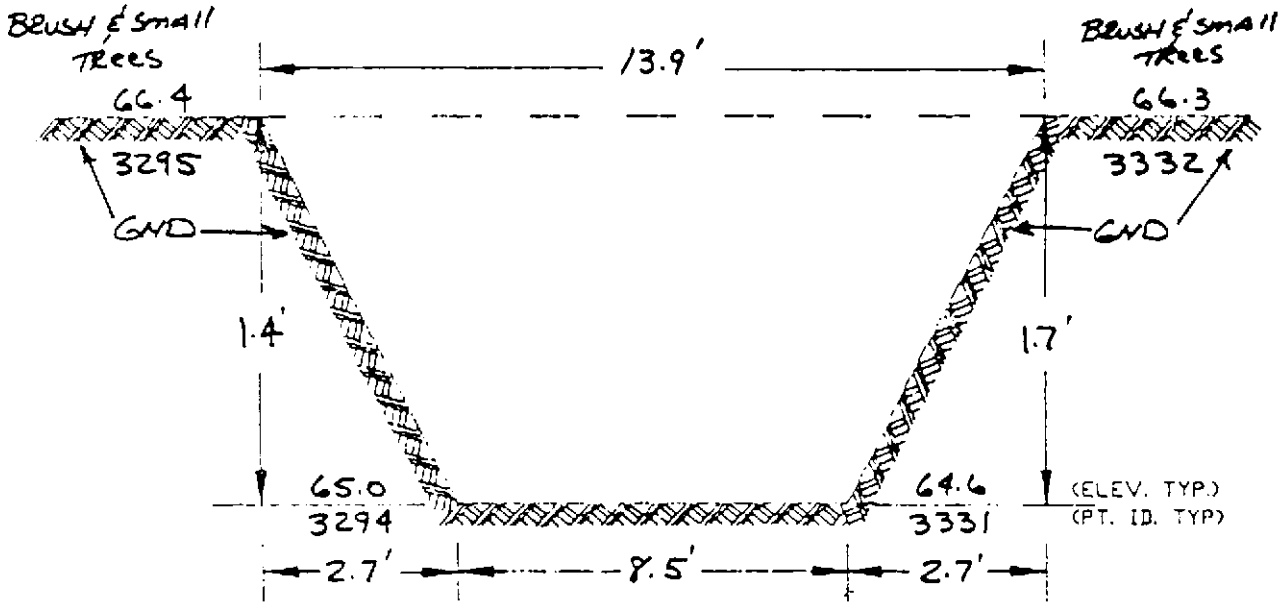
JOB NO. 1W062.00	DITCH G SECTION 22	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 22 OF 26
DRAWN BY: EDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



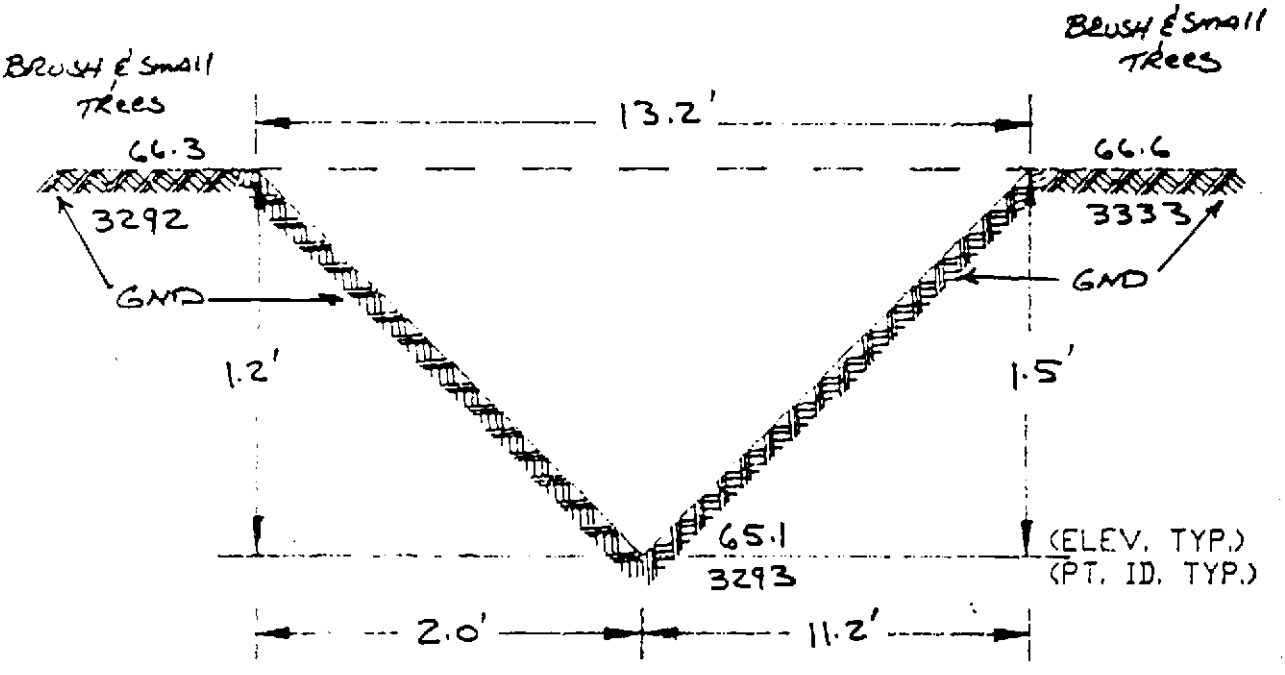
JOB NO. 1W062.00	DITCH G SECTION 23	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 23 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



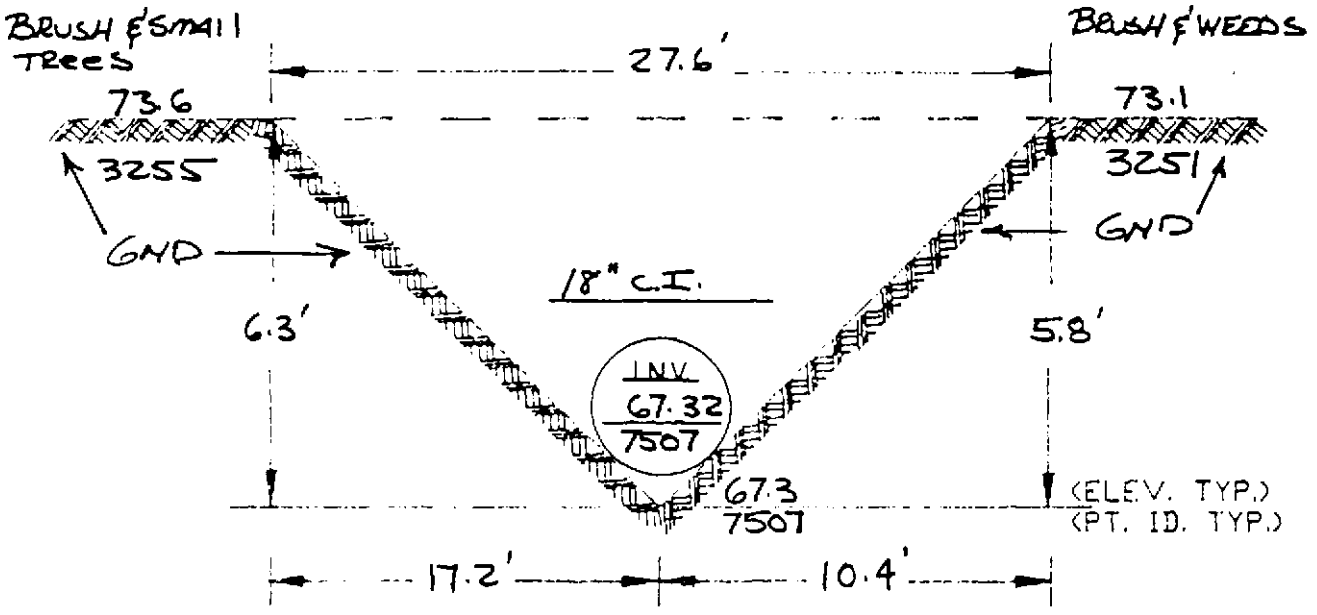
JOB NO. IW062.00	DITCH G SECTION 24	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 24 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



JOB NO. IW062.00	DITCH G SECTION 25	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 25 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



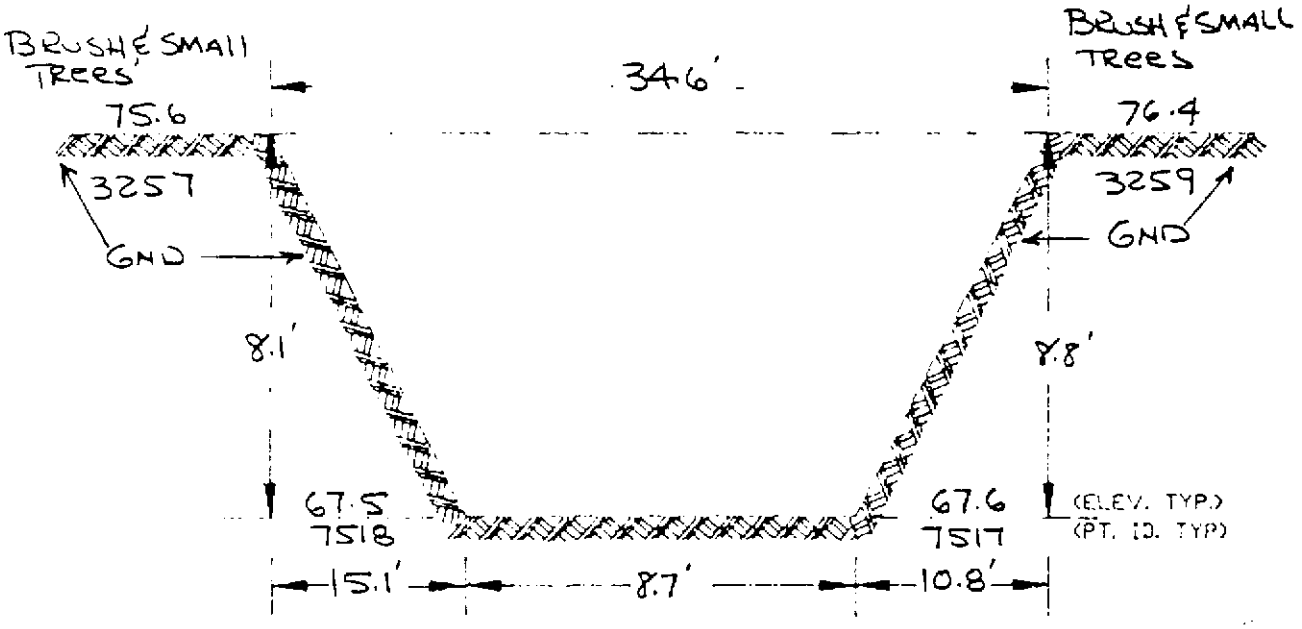
JOB NO. IW062.00	DITCH G SECTION 26	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 26 OF 26
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



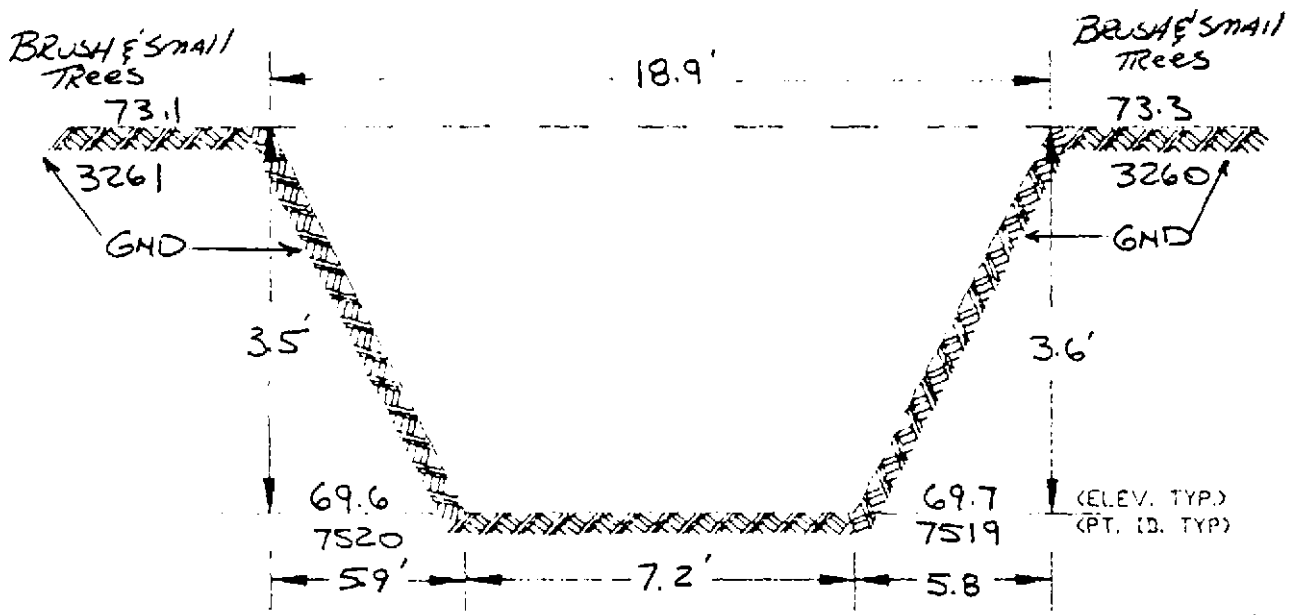
NOTE: ALL SECTIONS ARE VIEWED BY STANDING DOWNSTREAM AND LOOKING UPSTREAM

REVISED 12/16/91

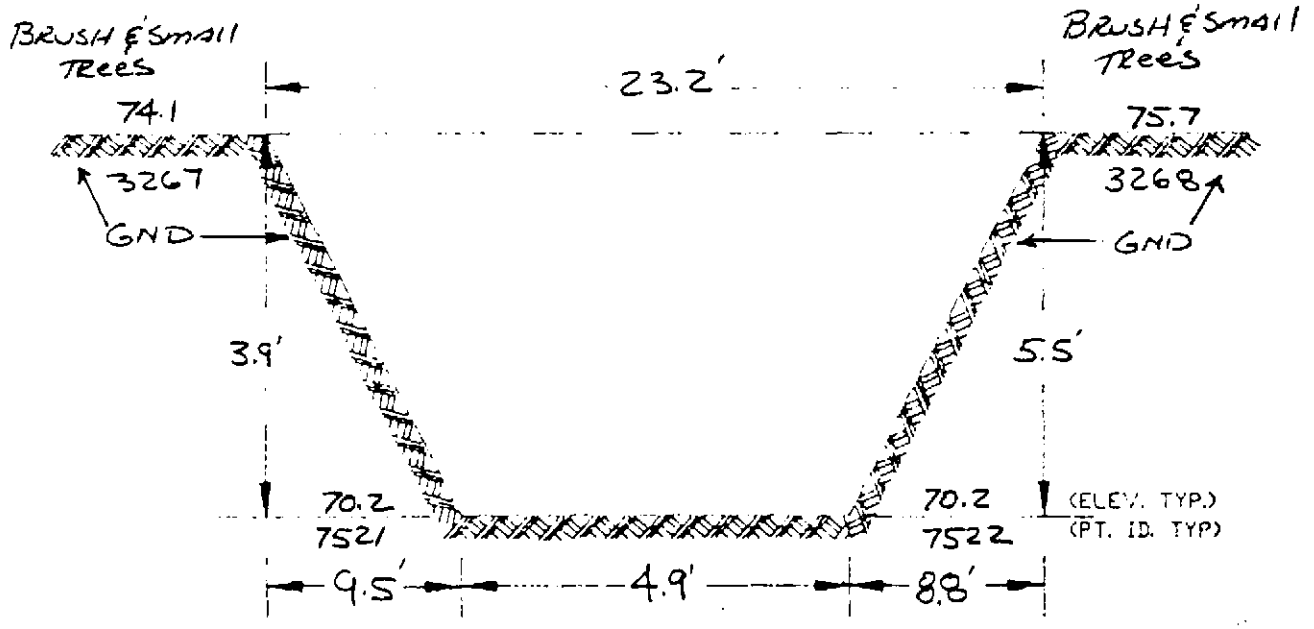
JOB NO. IW062.00	DITCH H SECTION 1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 1 OF 10
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



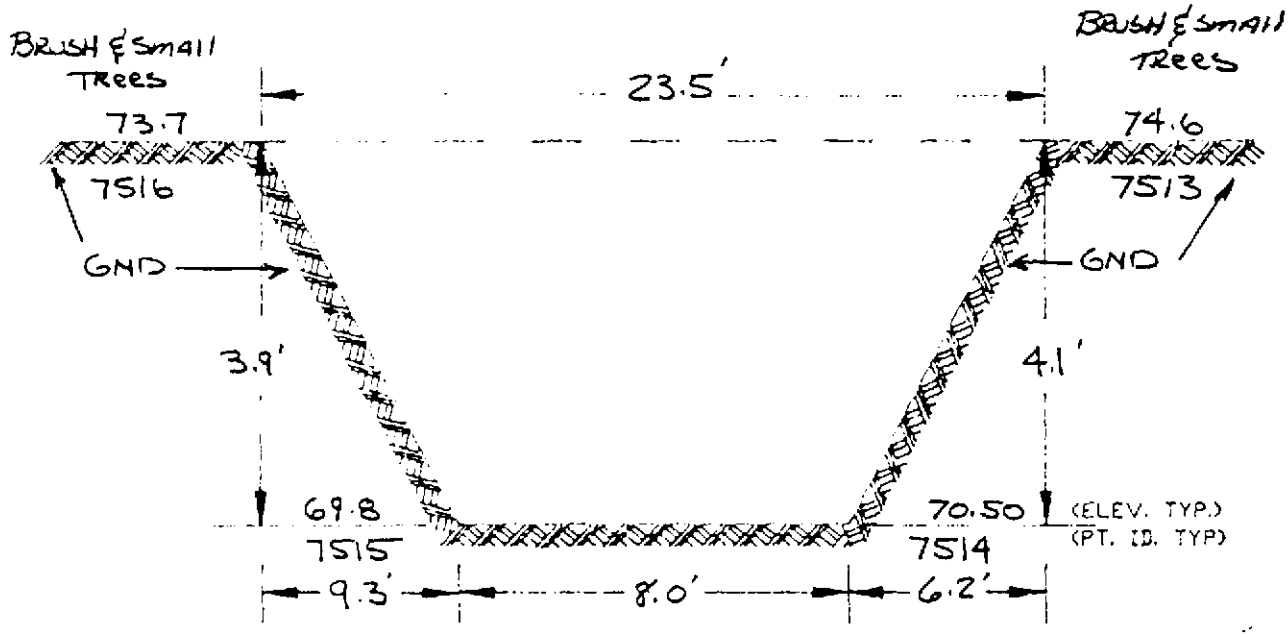
JOB NO. W062.00	DITCH H SECTION 2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 2 OF 10
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



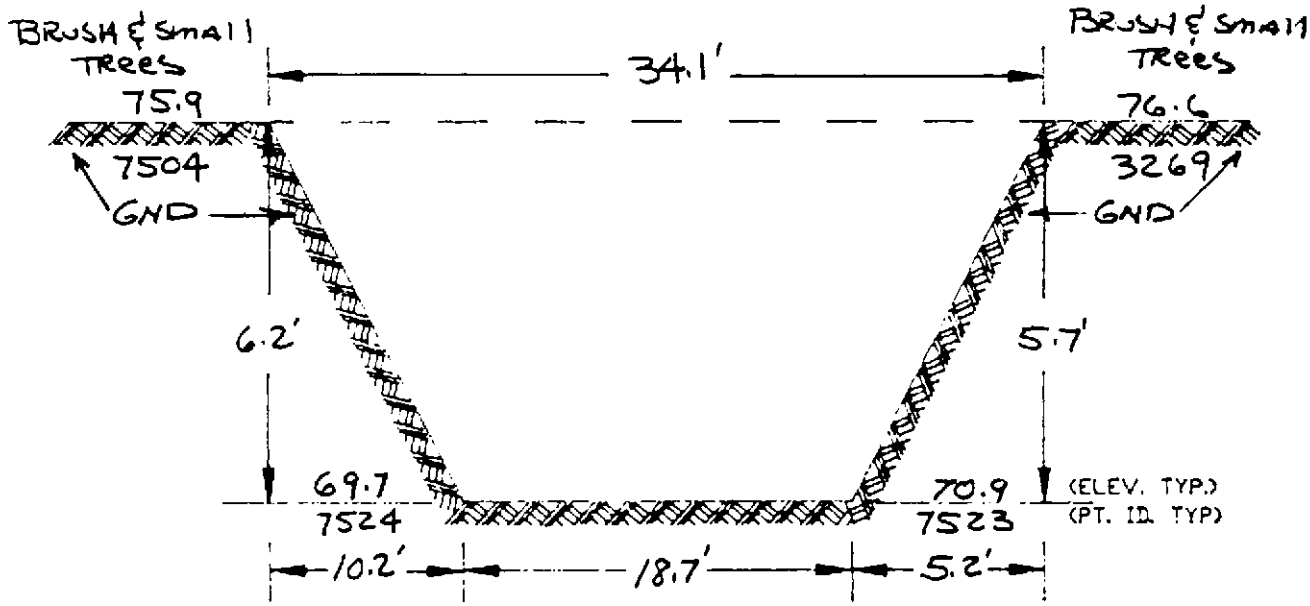
JOB NO. IW062.00	DITCH H SECTION 3	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 3 OF 10
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



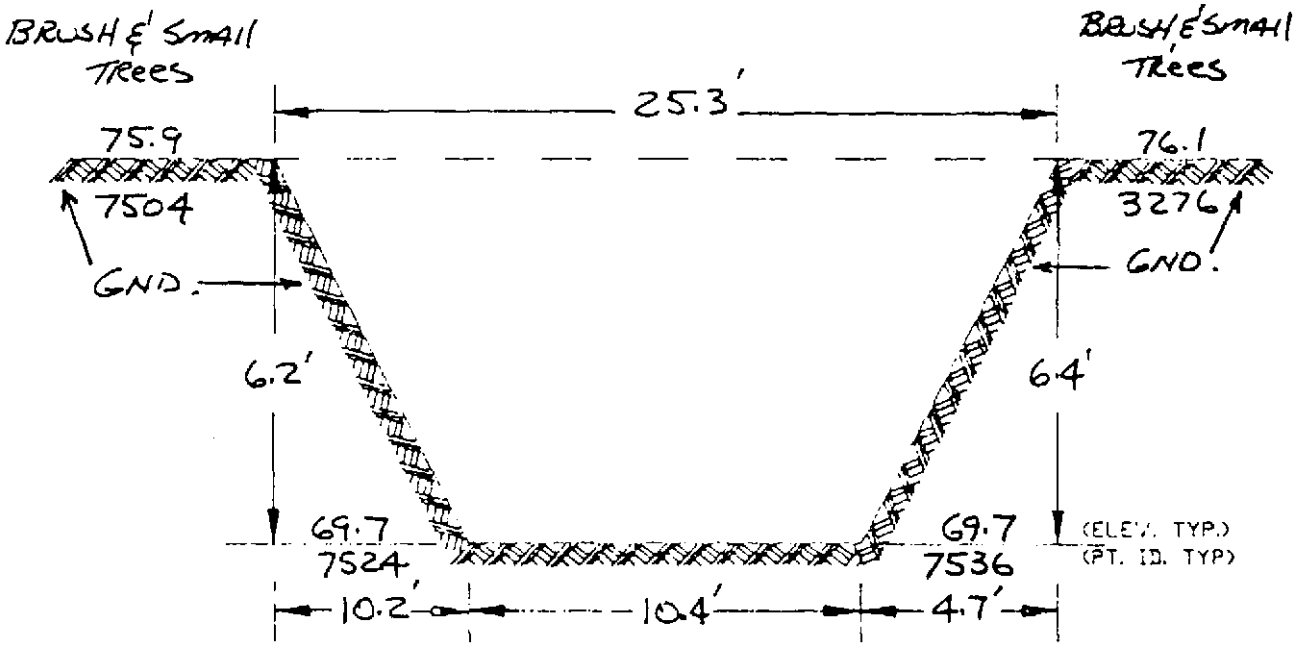
JOB NO. 1W062.00	DITCH H SECTION 4	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 4 OF 10
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	2 OF 4



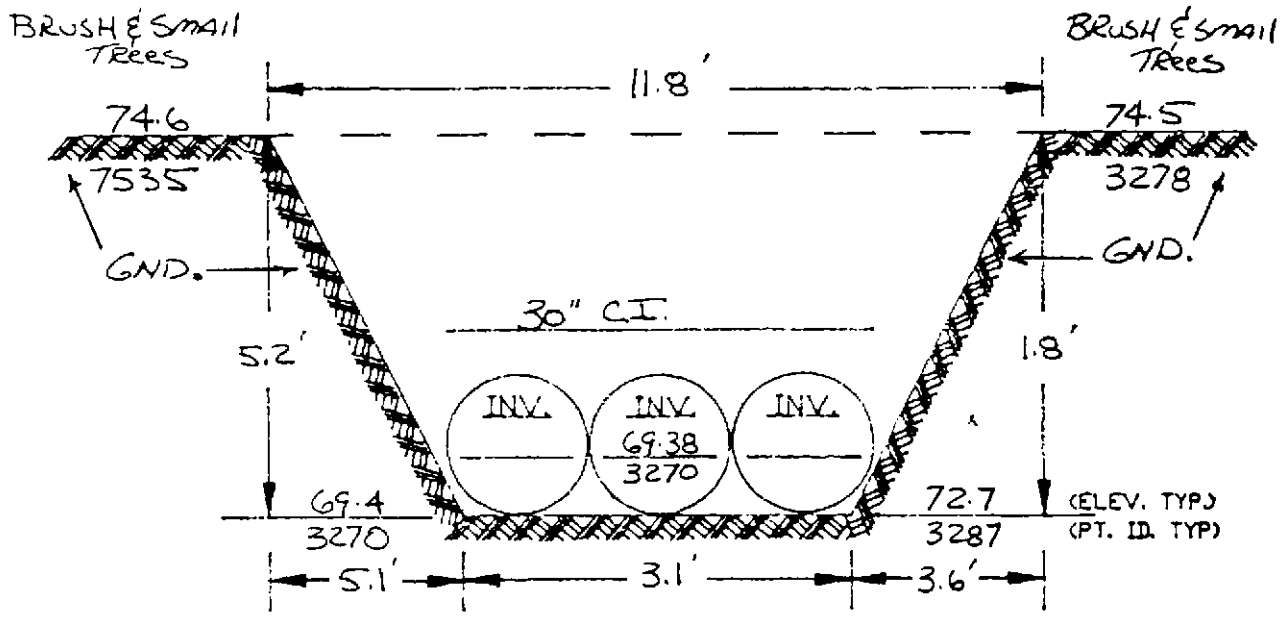
JOB NO. IW062.00	DITCH H SECTION 5	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 5 OF 10
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



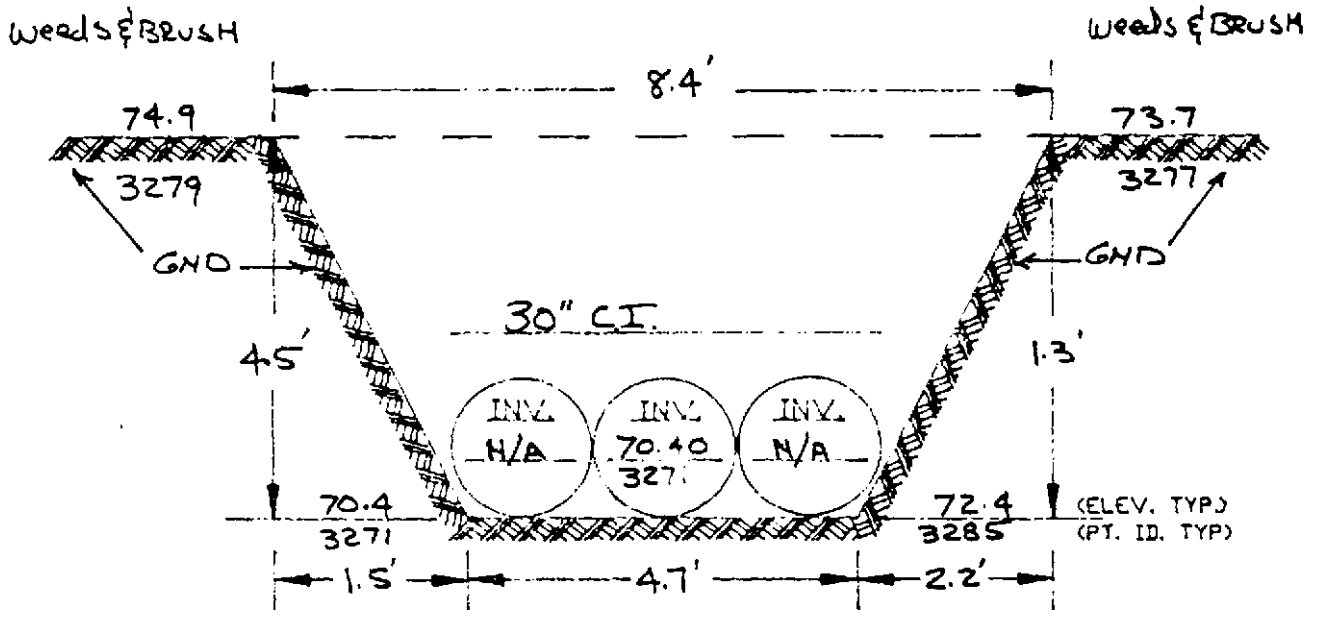
JOB NO. IW062.00	DITCH H SECTION 6	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 6 OF 10
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH H SECTION 7	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 7 OF 10
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH H SECTION 8	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 8 OF 10
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH H SECTION 9	SCALE: NTS
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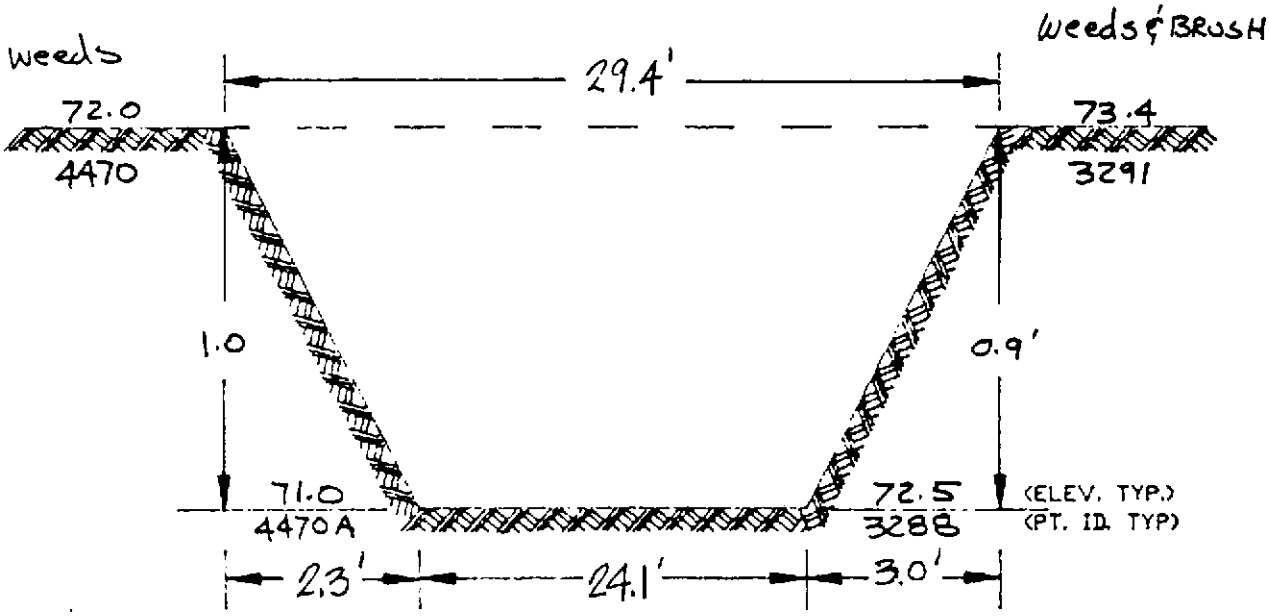
DRAWN BY: GOH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH H SECTION 10	SCALE: NTS
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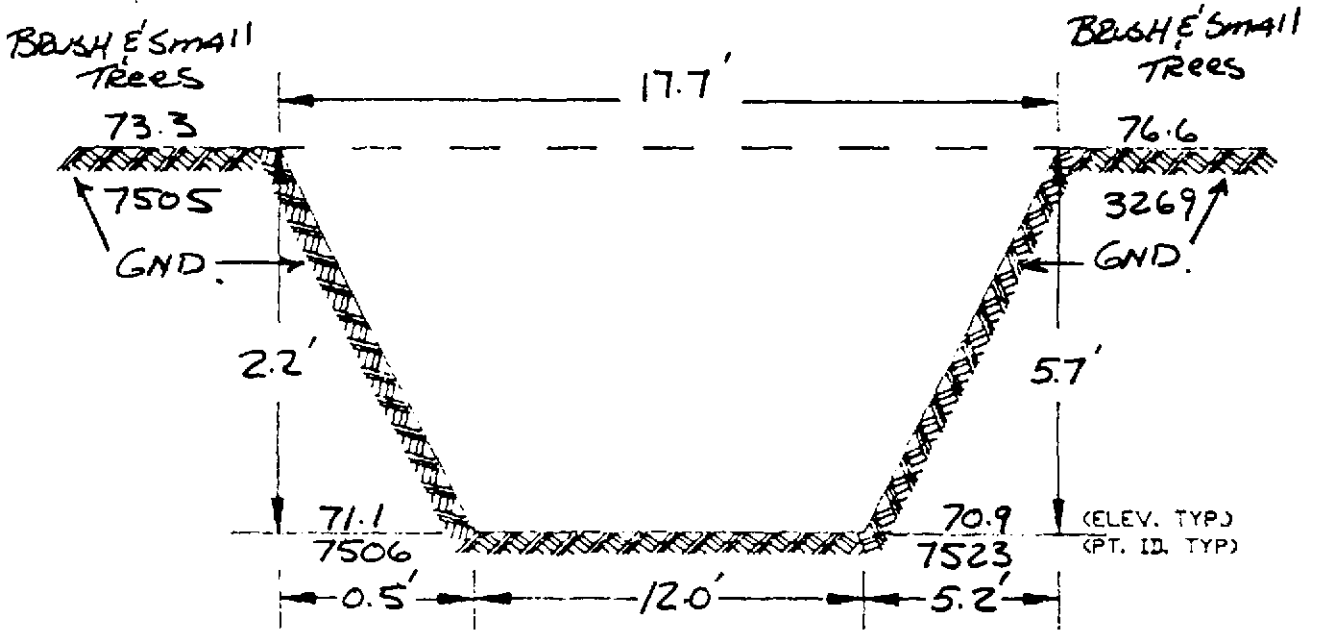
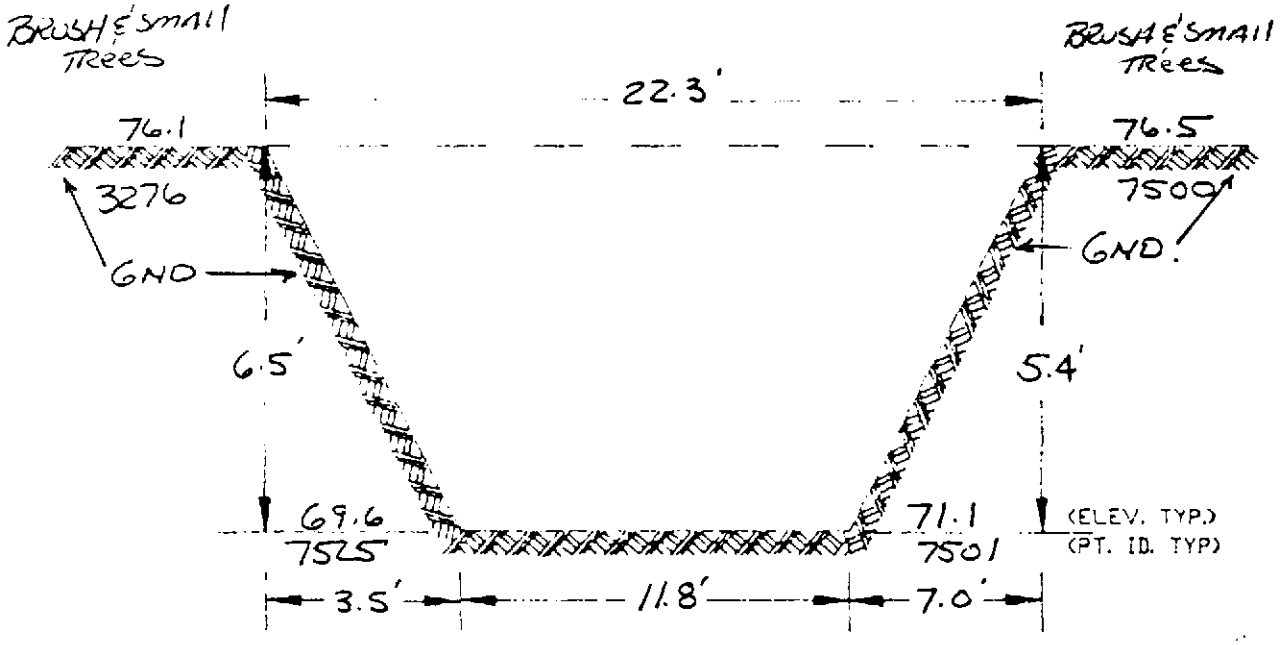
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



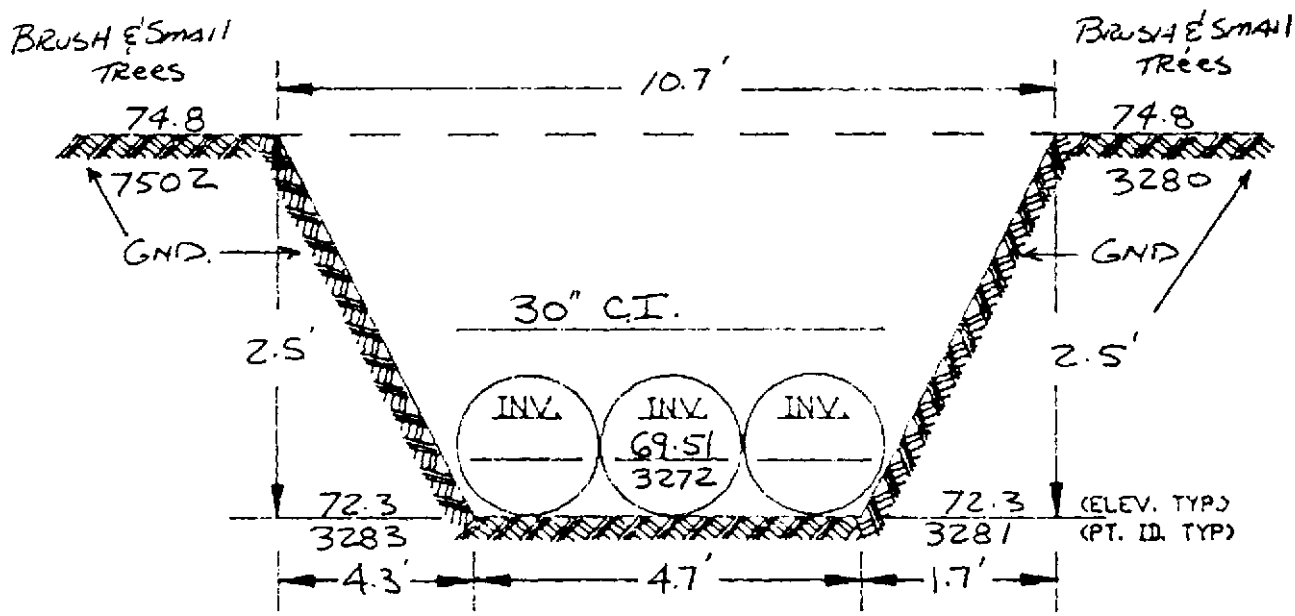
NOTE: ALL SECTIONS ARE VIEWED BY STANDING DOWNSTREAM AND LOOKING UPSTREAM

COMMONWEALTH OF MASSACHUSETTS
PHILIP E. BURROWS
#35778
REGISTERED PROFESSIONAL LAND SURVEYOR

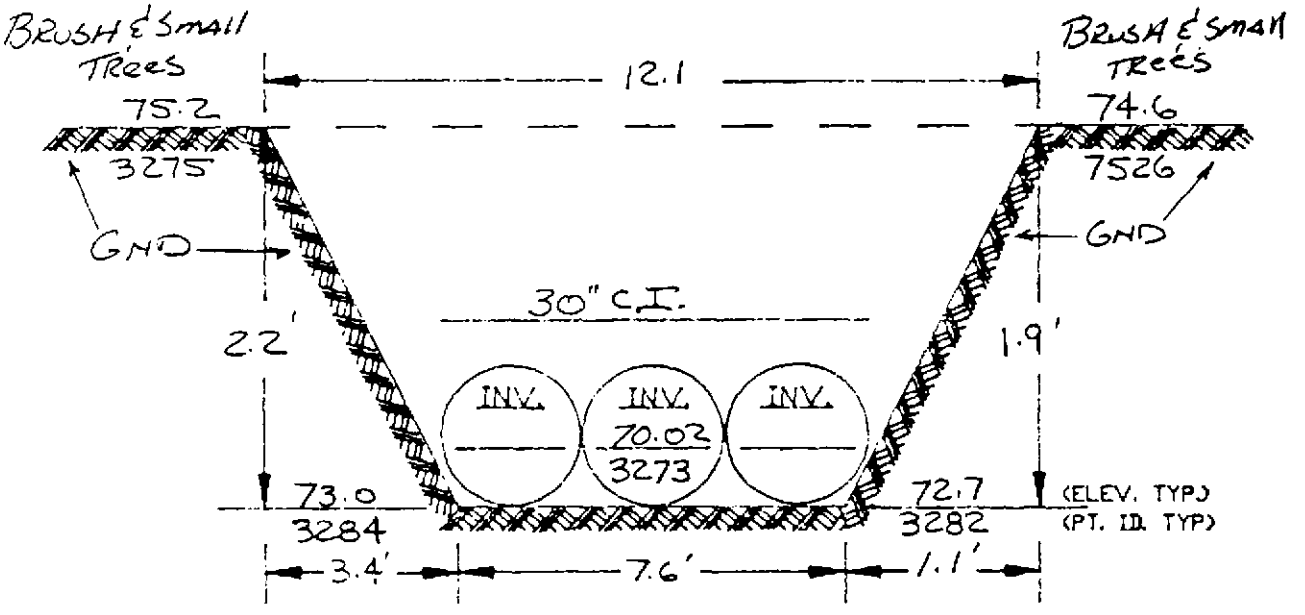
JOB NO. IW062.00	DITCH I SECTION 1	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 1 OF 9
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



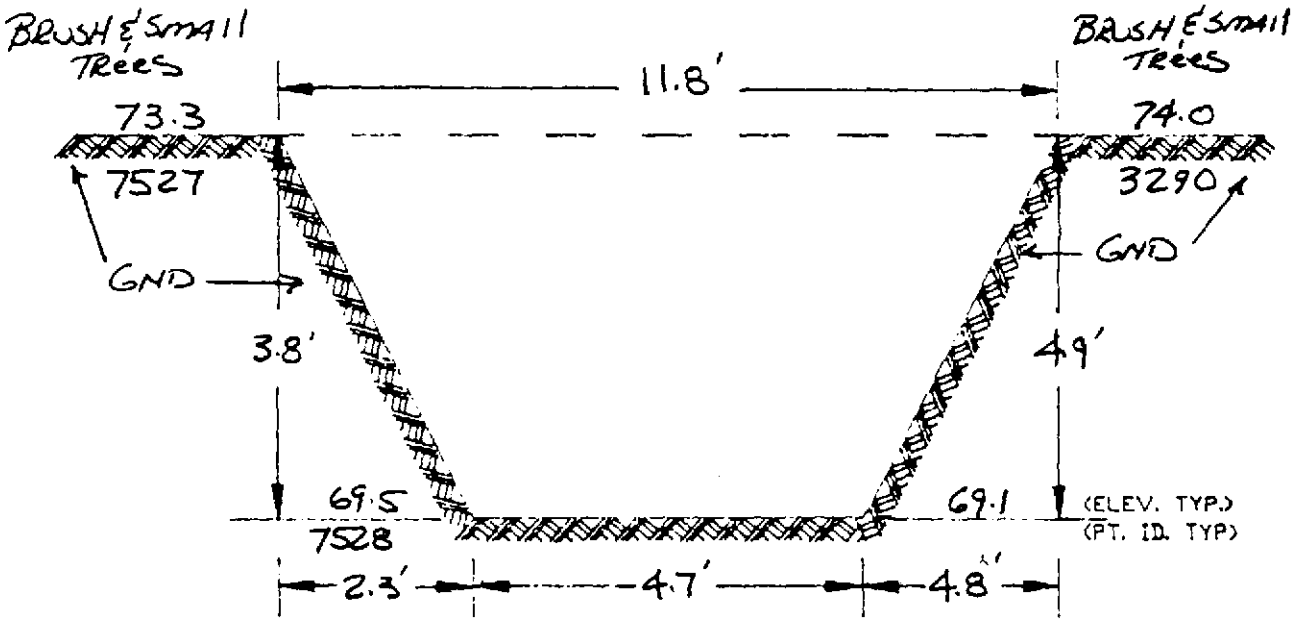
JOB NO. 1X062.00	DITCH I SECTION 2	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 2 OF 9
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



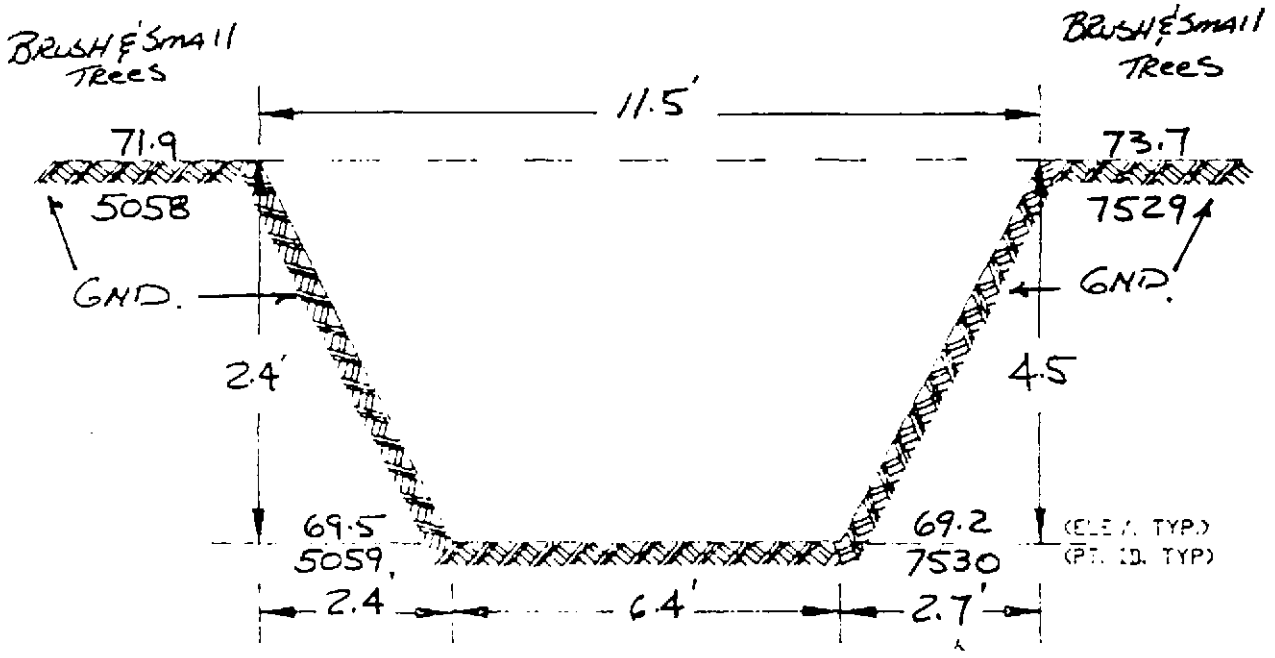
JOB NO. IW062.00	DITCH I SECTION 3	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 3 OF 9
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



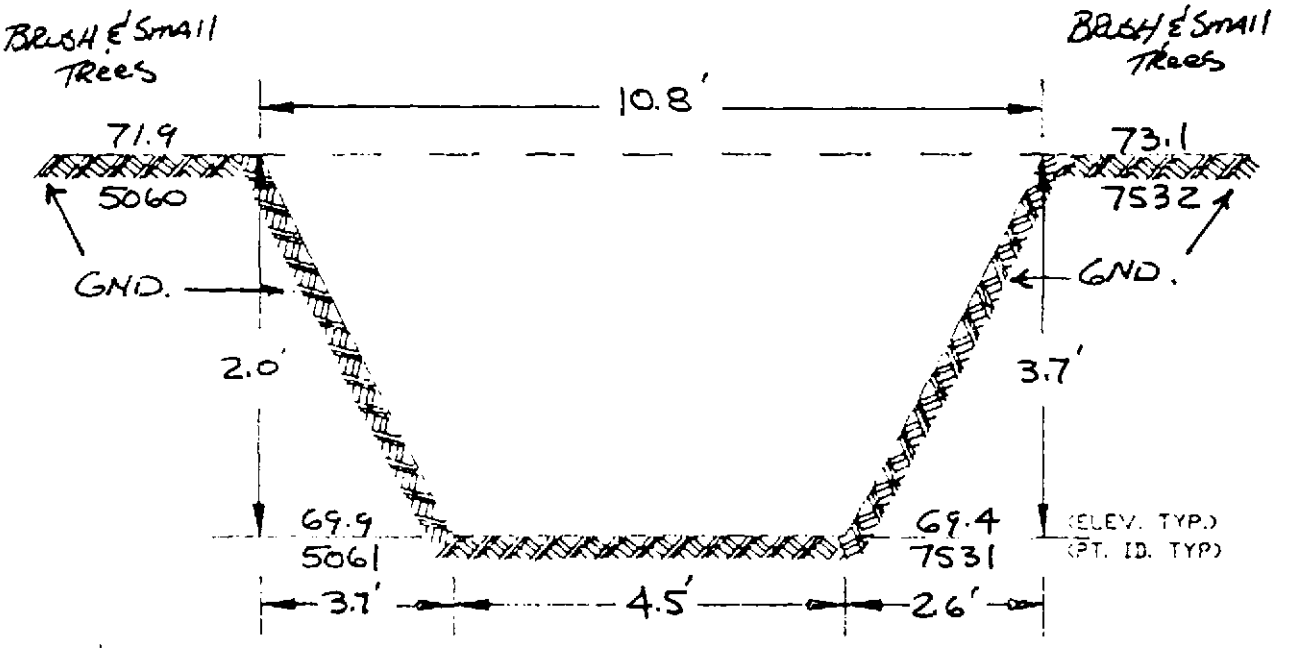
JOB NO. IW062.00	DITCH I SECTION 4	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 4 OF 9
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



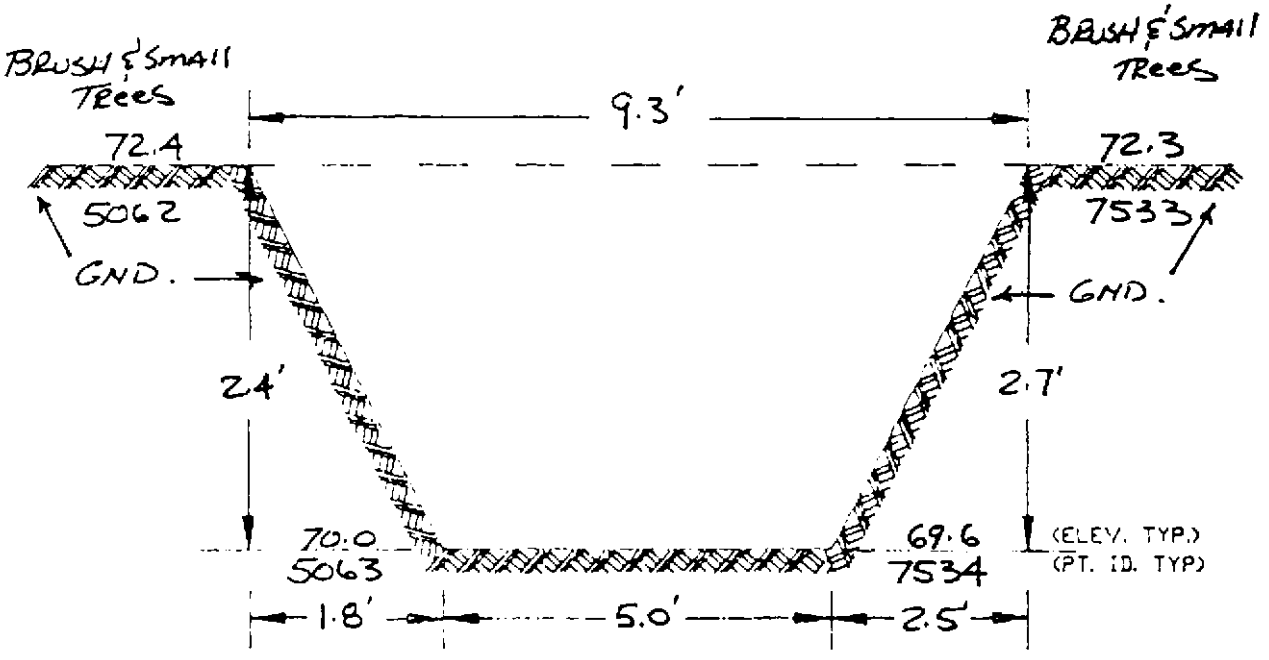
JOB NO. IW062.00	DITCH I SECTION 5	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 5 OF 9
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1'=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



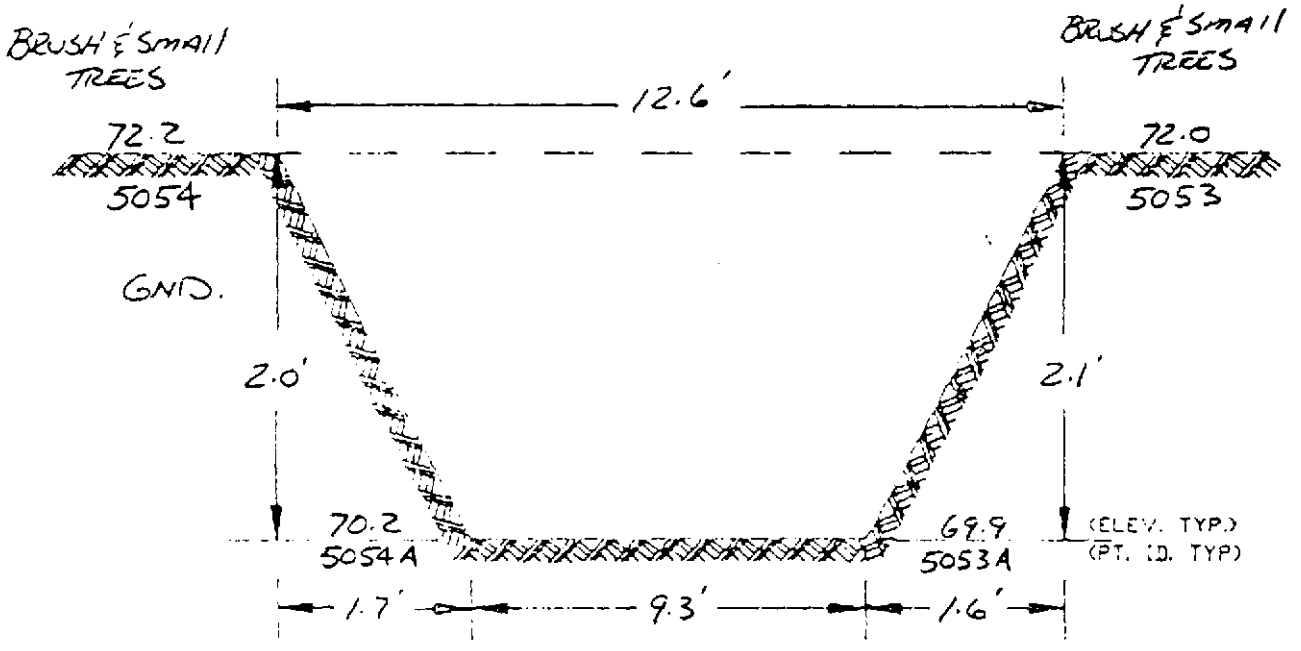
JOB NO. W0062.00	DITCH I SECTION 6	SCALE: NTS
CHECKED BY: PFB	INDUSTRI-PLEX SITE	DRAWING 6 OF 9
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



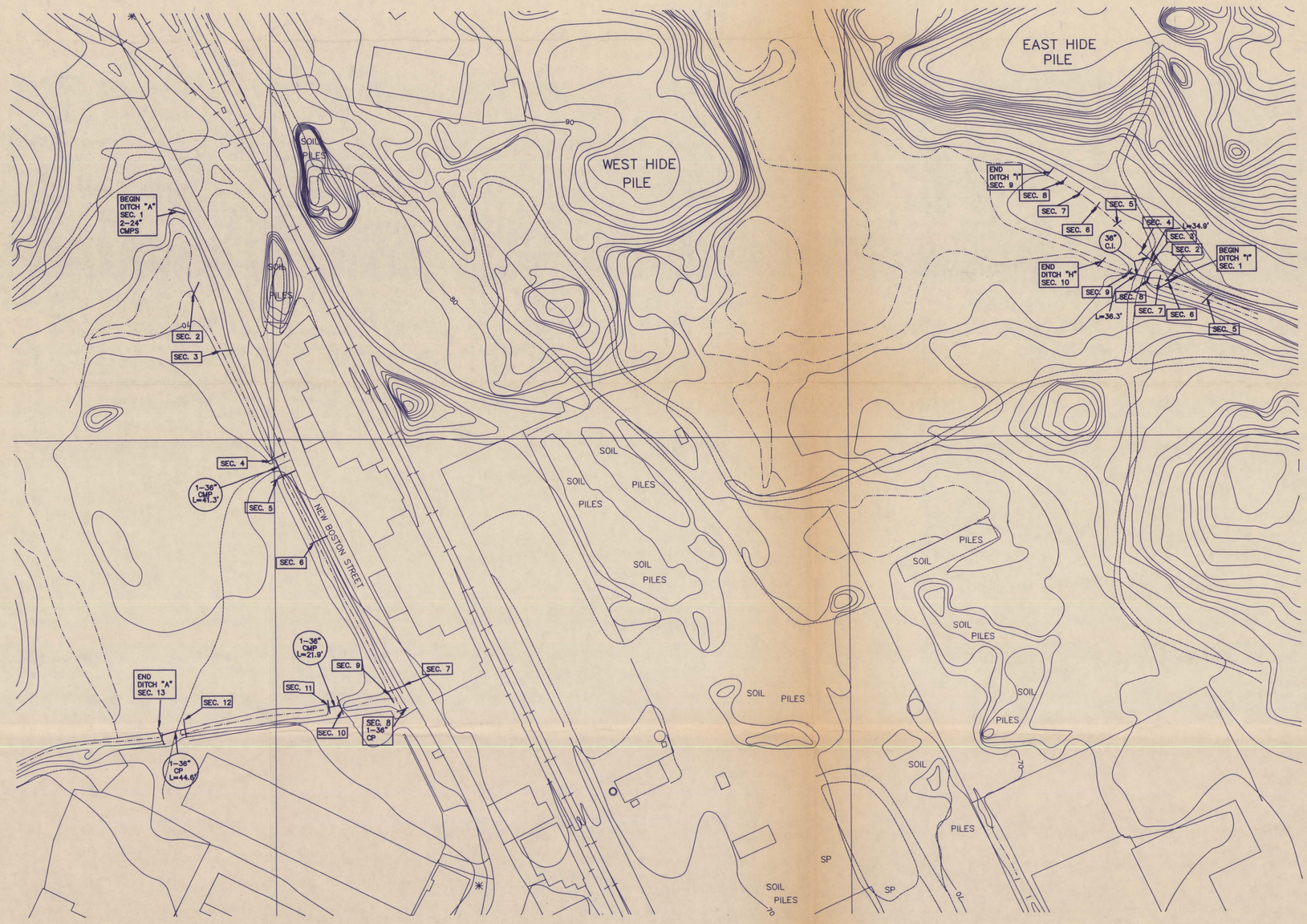
JOB NO. IW062.00	DITCH I SECTION 7	SCALE: NTS
CHECKED BY: PFB	INDUSTRI-PLEX SITE	DRAWING 7 OF 9
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH I SECTION 8	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 8 OF 9
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



JOB NO. IW062.00	DITCH I SECTION 9	SCALE: NTS
CHECKED BY: PEB	INDUSTRI-PLEX SITE	DRAWING 9 OF 9
DRAWN BY: GDH	WOBURN, MASSACHUSETTS	REF. SHEET 1"=100'
DATE: 3-14-91	TWM NORTHEAST	1 OF 4



LEGEND

—— 70 ——	CONTOUR LINE
—— · ——	STREAMS AND LIMIT OF WETLANDS TO BE REMEDIATED
—— · ——	STREAMS AND WATERCOURSES
E 695,000	GRID LINE
— — — —	TRAIL
—+——+—	RAILROAD TRACKS
✳	BUSH
✿	TREE
▼	SIGN
◇	UTILITY POLE
▪	CATCH BASIN
●	MANHOLE
♣	FIRE HYDRANT
♂	WALK LIGHT

NOTES:

1) DITCH AND SECTION INFORMATION SURVEYED BY TWM NORTHEAST AND OVERLAYED ON PORTION OF SHEET 1 OF 4 (DRAWING NO. MA01275) SUPPLIED ON DISK BY GOLDER ASSOC. INC.

2) DITCH LETTERS AND SECTION NUMBERS CORRESPOND WITH MATCHING 8 1/2" BY 11" SECTION SHEETS.

3) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C.

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

REVISED 12-06-91

REVISED 07-25-91

PLAN OF STREAMS AND DRAINAGE SWALES

COMMONWEALTH OF MASSACHUSETTS PHILIP E. BURROWS #35778 REGISTERED PROFESSIONAL LAND SURVEYOR

INDUSTRI-PLEX SITE REMEDIAL TRUST

WOBURN, MASS.

PREPARED FOR GOLDER ASSOC. INC.

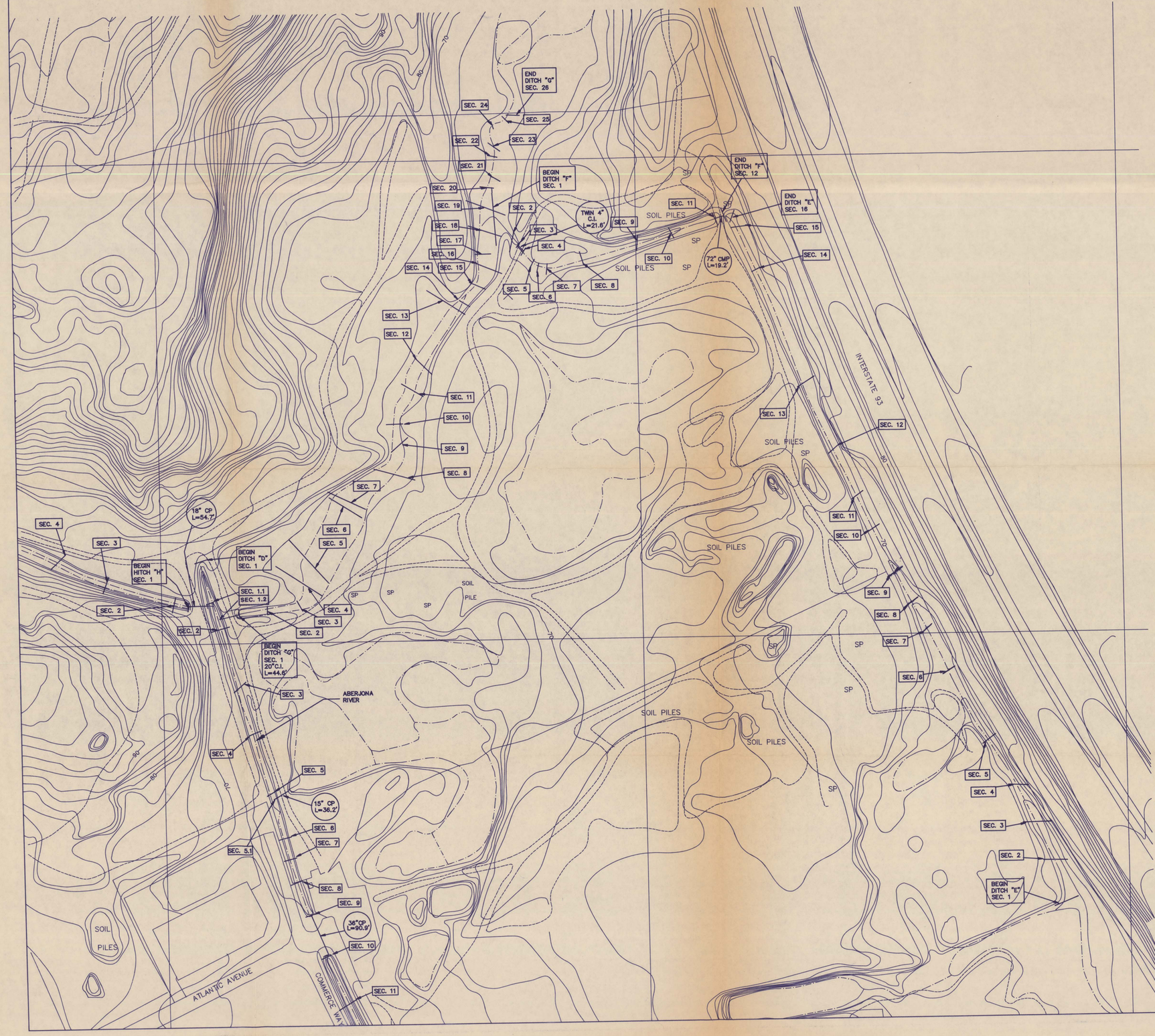
DATE	SCALE	DRAWN	DESIGN	CHECKED
03-28-91	1"=100'	ACAD		PEB

JOB. NO. 1W062

DWG. NO. 1 OF 4

TWM NORTHEAST • FLYNN ENGINEERS

MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA



LEGEND

—— 70 ——	CONTOUR LINE
—— · ——	STREAMS AND LIMIT OF WETLANDS TO BE REMEDIATED
—— · ——	STREAMS AND WATERCOURSES
E 695,000	GRID LINE
— — — —	TRAIL
—+—+—	RAILROAD TRACKS
✳	BUSH
✿	TREE
▾	SIGN
◇	UTILITY POLE
▪	CATCH BASIN
●	MANHOLE
♣	FIRE HYDRANT
♂	WALK LIGHT

NOTES:

1) DITCH AND SECTION INFORMATION SURVEYED BY TWM NORTHEAST AND OVERLAYED ON PORTION OF SHEET 2 OF 4 (DRAWING NO. MA01274) SUPPLIED ON DISK BY GOLDER ASSOC. INC.

2) DITCH LETTERS AND SECTION NUMBERS CORRESPOND WITH MATCHING 8 1/2" BY 11" SECTION SHEETS.

3) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C.

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

REVISED 12-06-91

REVISED 07-25-91

PLAN OF STREAMS AND DRAINAGE SWALES

INDUSTRI-PLEX SITE REMEDIAL TRUST

WOBURN, MASS.

PREPARED FOR GOLDER ASSOC. INC.

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-28-91	1"=100'	ACAD		PEB

JOB. NO. 1W062

DWG. NO. 2 OF 4

TWM NORTHEAST • FLYNN ENGINEERS

MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA

LEGEND

—— 70 ——	CONTOUR LINE
—— · ——	STREAMS AND LIMIT OF WETLANDS TO BE REMEDIATED
—— · ——	STREAMS AND WATERCOURSES
E 695,000	GRID LINE
— — — —	TRAIL
—+——+—	RAILROAD TRACKS
✳	BUSH
✿	TREE
⊤	SIGN
◇	UTILITY POLE
▪	CATCH BASIN
●	MANHOLE
♨	FIRE HYDRANT
δ	WALK LIGHT

NOTES:

1) DITCH AND SECTION INFORMATION SURVEYED BY TWM NORTHEAST AND OVERLAYED ON PORTION OF SHEET 3 OF 4 (DRAWING NO. MA01277) SUPPLIED ON DISK BY GOLDER ASSOC. INC.

2) DITCH LETTERS AND SECTION NUMBERS CORRESPOND WITH MATCHING 8 1/2" BY 11" SECTION SHEETS.

3) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C.

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

REVISED 12-06-91

REVISED 07-25-91

PLAN OF STREAMS AND DRAINAGE SWALES

COMMONWEALTH OF MASSACHUSETTS PHILIP E. BURROWS 15778 LAND SURVEYOR

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

PREPARED FOR GOLDER ASSOC. INC.

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-28-91	1"=100'	ACAD		PEB

JOB. NO. 1W062

DWG. NO. 3 OF 4

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA

LEGEND

—— 70 ——	CONTOUR LINE
—— · ——	STREAMS AND LIMIT OF WETLANDS TO BE REMEDIATED
—— · ——	STREAMS AND WATERCOURSES
E 695,000	GRID LINE
— — — —	TRAIL
—/——/—	RAILROAD TRACKS
✳	BUSH
✿	TREE
▼	SIGN
◇	UTILITY POLE
▪	CATCH BASIN
●	MANHOLE
	FIRE HYDRANT
	WALK LIGHT

NOTES:

1) DITCH AND SECTION INFORMATION SURVEYED BY TWM NORTHEAST AND OVERLAYED ON PORTION OF SHEET 4 OF 4 (DRAWING NO. MA01276) SUPPLIED ON DISK BY GOLDER ASSOC. INC.

2) DITCH LETTERS AND SECTION NUMBERS CORRESPOND WITH MATCHING 8 1/2" BY 11" SECTION SHEETS.

3) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C.

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

REVISED 12-06-91

REVISED 07-25-91

PLAN OF STREAMS AND DRAINAGE SWALES

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

PREPARED FOR GOLDER ASSOC. INC.

COMMONWEALTH OF MASSACHUSETTS — PHILIP E. BURROWS #35778 REGISTERED PROFESSIONAL LAND SURVEYOR

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-28-91	1"=100'	ACAD		PEB

JOB. NO. 1W062

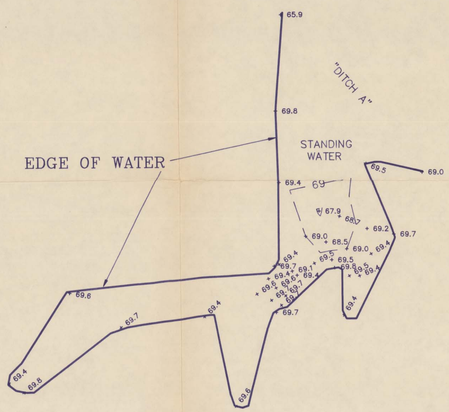
DWG. NO. 4 OF 4

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA

Bathymetry for Depressions and Wetlands

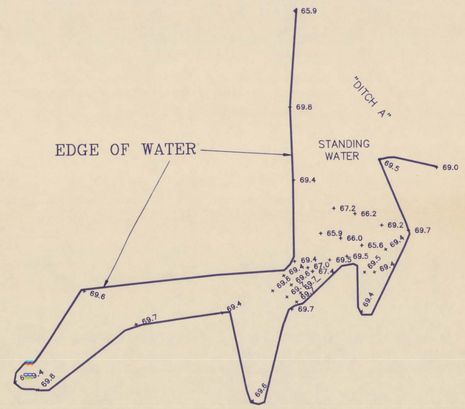
P\X REALTY DEPRESSION

WITH SOFT BOTTOM
ELEVATIONS SHOWN
(WATER ELE.= 69.7±)



E 695,000

N 554,000



P\X REALTY DEPRESSION

WITH HARD BOTTOM
ELEVATIONS SHOWN
(WATER ELE.= 69.7±)

E 695,000

N 554,000

LEGEND

+ 66.3	SPOT ELEVATION
———	EDGE OF WATER
— —65— —	CONTOUR LINE

NOTES:

1) POND OUTLINE IS DERIVED FROM LOCATION OF ACTUAL LIMITS OF STANDING WATER FOUND AT THE TIME OF . FIELD SURVEY.

2) SOFT AND HARD BOTTOM ELEVATIONS ARE FROM BATHYMETRIC DATA OBTAINED BY NORMANDEAU ASSOC. INC. AND PROVIDED TO TWM NORTHEAST AT THE TIME OF SURVEY.

3) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C. ENGINEERS INC.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

REVISED 12-04-91
REVISED 06-21-91
REVISED 04-29-91

PLAN OF P/X REALTY DEPRESSION, SOFT & HARD BOTTOM ELEVATIONS

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

PREPARED FOR GOLDER ASSOC. INC.

COMMONWEALTH OF MASSACHUSETTS
PHILIP E. BURROWS
#35778
REGISTERED
PROFESSIONAL LAND SURVEYOR

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-29-91	1"=30'	ACAD		PEB

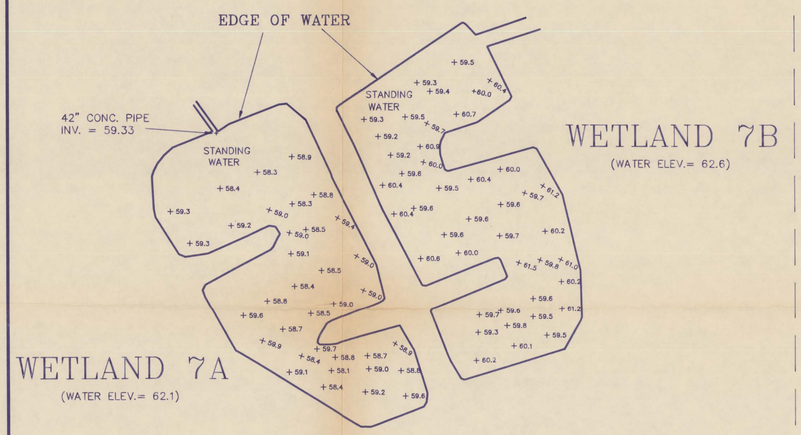
JOB. NO. 1W062

DWG. NO. 1 OF 10

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA

WETLANDS 7A AND 7B

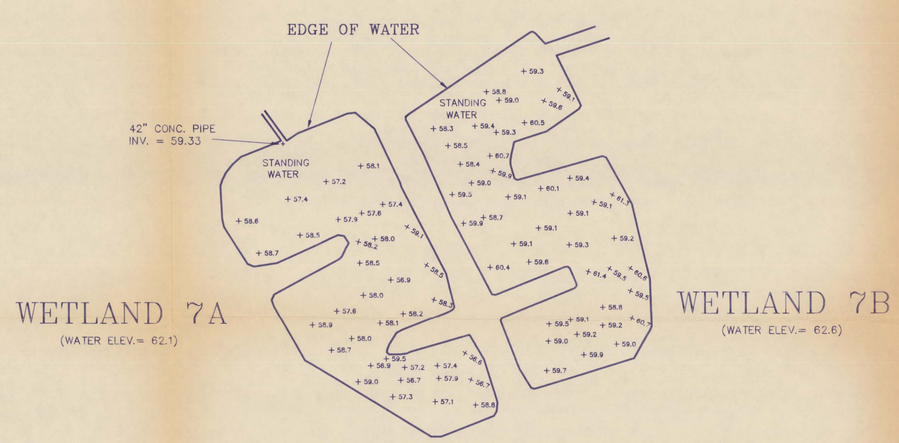
WITH SOFT BOTTOM
ELEVATIONS SHOWN



E 696,000
N 552,000

WETLANDS 7A AND 7B

WITH HARD BOTTOM
ELEVATIONS SHOWN



E 696,000
N 552,000

LEGEND

+ 66.3	SPOT ELEVATION
———	EDGE OF WATER

NOTES:

1) POND OUTLINES ARE DERIVED FROM LOCATION OF ACTUAL LIMITS OF STANDING WATER FOUND AT THE TIME OF FIELD SURVEY.

2) SOFT AND HARD BOTTOM ELEVATIONS ARE FROM BATHYMETRIC DATA OBTAINED BY NORMANDEAU ASSOC. INC. AND PROVIDED TO TWM NORTHEAST AT THE TIME OF SURVEY.

3) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C. ENGINEERS INC.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

REVISED 04-29-91

PLAN OF WETLANDS 7A & 7B, SOFT AND HARD BOTTOM ELEVATIONS

COMMONWEALTH OF MASSACHUSETTS
PHILIP E. BURROWS
#35778
REGISTERED PROFESSIONAL LAND SURVEYOR

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

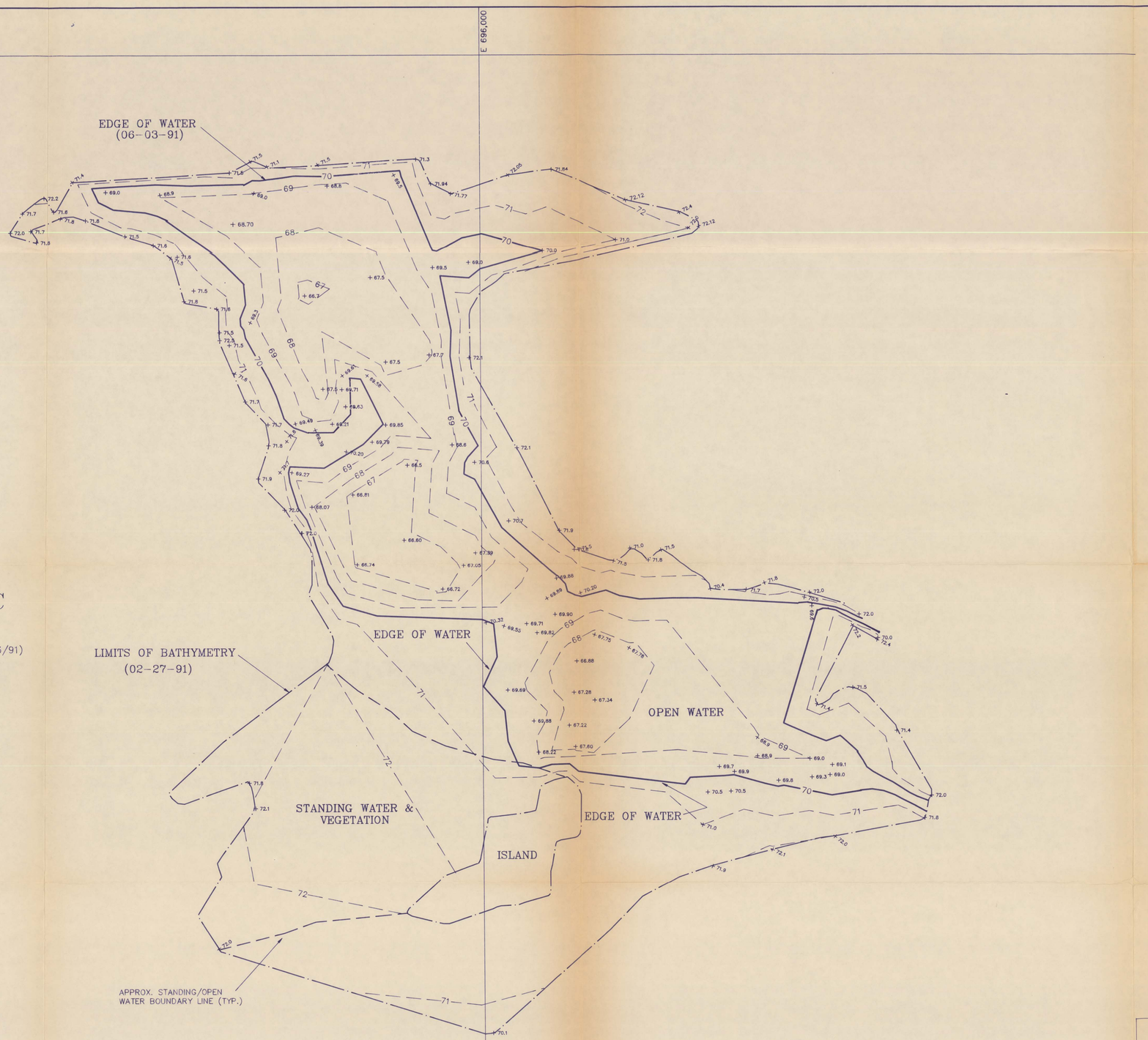
PREPARED FOR GOLDER ASSOC. INC.

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-29-91	1" = 50'	ACAD		PEB

JOB. NO. 1W062

DWG. NO. 2 OF 10

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA



WETLAND 1C

WITH SOFT BOTTOM
ELEVATIONS SHOWN
(WATER ELEV. = 70.0± 06/03/91)

LEGEND

+ 66.3	SPOT ELEVATION
—— 70 ——	EDGE OF WATER (AT 70' CONTOUR INTERVAL)
- - - - -	APPROX. STANDING/OPEN WATER BOUNDARY LINE
— — 65 — —	CONTOUR LINE
——·——	LIMITS OF BATHYMETRY

NOTES:

1) POND OUTLINE IS DERIVED FROM LOCATION OF ACTUAL LIMITS OF STANDING WATER FOUND AT THE TIME OF FIELD SURVEY (02-27-91) ADDITIONAL FIELD LOCATION PERFORMED 06-03-91 FOUND LIMITS OF STANDING WATER AT AN ELEVATION OF 70.0±.

2) SOFT AND HARD BOTTOM ELEVATIONS ARE FROM BATHYMETRIC DATA OBTAINED BY NORMANDEAU ASSOC. INC. AND PROVIDED TO TWM NORTHEAST AT THE TIME OF SURVEY.

3) ALL CONTOURS SHOWN ARE BASED ON SOFT BOTTOM (NOTE 2) AND EDGE OF WATER LOCATION ELEVATIONS (NOTE 1).

4) ALL SPOT GRADES SHOWN ARE BASED ON SOFT BOTTOM ELEVATIONS

5) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C. ENGINEERS INC.

6) SEE SHEET 4 OF 10 FOR HARD BOTTOM ELEVATIONS.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

REVISED 12-04-91
REVISED 06-21-91
REVISED 04-29-91

PLAN OF WETLAND 1C, SOFT BOTTOM ELEVATIONS.

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

PREPARED FOR GOLDER ASSOC. INC.

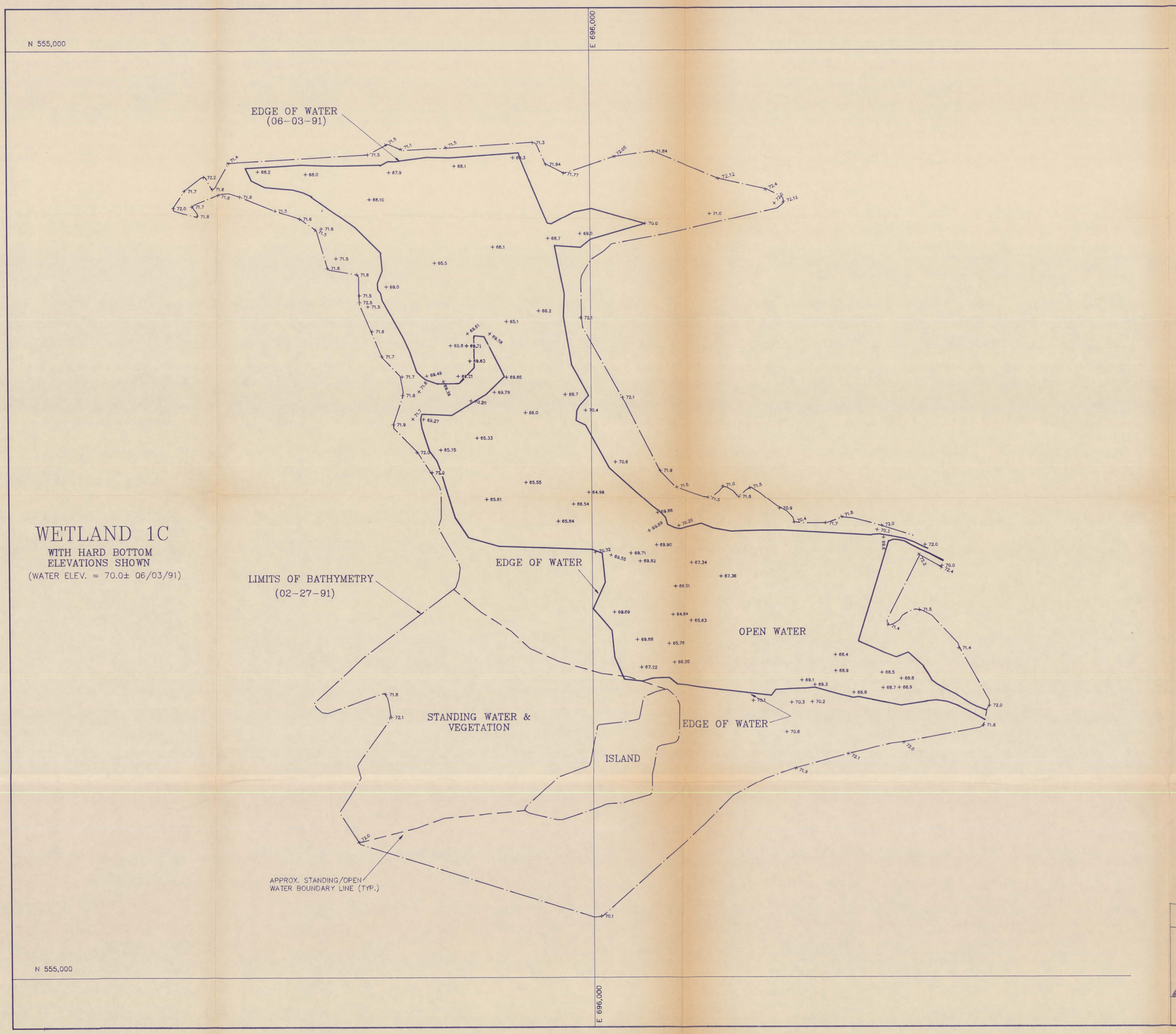
JOB. NO. 1W062

DWG. NO. 3 of 10

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-29-91	1"= 50'	ACAD		PEB

COMMONWEALTH OF MASSACHUSETTS PHILIP E. BURROWS No. 35778 REGISTERED PROFESSIONAL ENGINEER

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA



WETLAND 1C

WITH HARD BOTTOM
ELEVATIONS SHOWN
(WATER ELEV. = 70.0± 06/03/91)

LEGEND

+ 66.3	SPOT ELEVATION
———	EDGE OF WATER
- - - -	APPROX. STANDING/OPEN WATER BOUNDARY LINE
—— · ——	LIMITS OF BATHYMETRY

NOTES:

1) POND OUTLINE IS DERIVED FROM LOCATION OF ACTUAL LIMITS OF STANDING WATER FOUND AT THE TIME OF FIELD SURVEY (02-27-91) ADDITIONAL FIELD LOCATION PERFORMED 06-03-91 FOUND LIMITS OF STANDING WATER AT AN ELEVATION OF 70.0±.

2) SOFT AND HARD BOTTOM ELEVATIONS ARE FROM BATHYMETRIC DATA OBTAINED BY NORMANDEAU ASSOC. INC. AND PROVIDED TO TWM NORTHEAST AT THE TIME OF SURVEY.

3) ALL SPOT GRADES SHOWN ARE BASED ON HARD BOTTOM ELEVATIONS

4) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C. ENGINEERS INC.

5) SEE SHEET 3 OF 10 FOR SOFT BOTTOM ELEVATIONS.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

REVISED 12-04-91
REVISED 06-21-91
REVISED 04-29-91

PLAN OF WETLAND 1C, HARD BOTTOM ELEVATIONS.

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

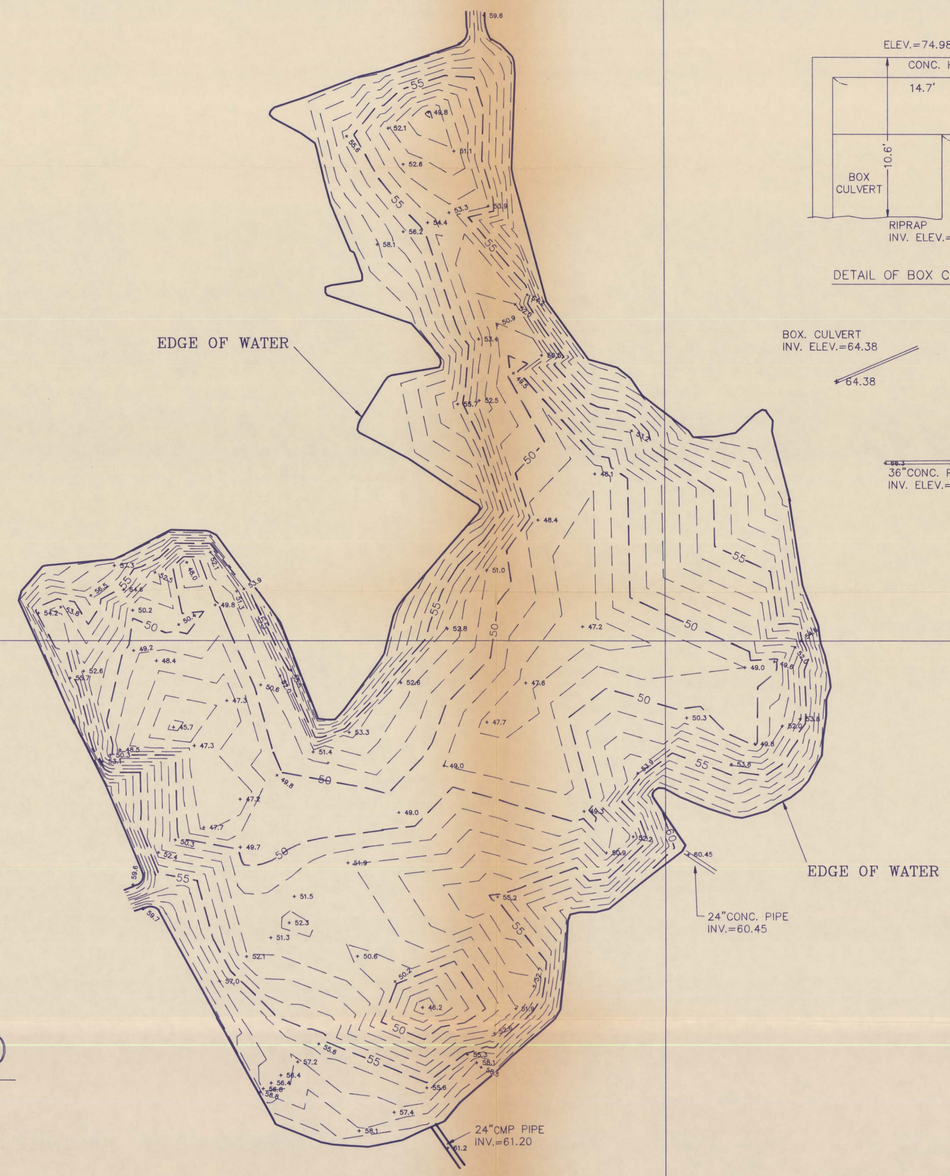
JOB. NO. 1W062

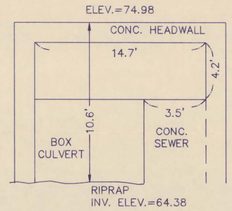
PREPARED FOR GOLDER ASSOC. INC.

DWG. NO. 4 of 10

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-29-91	1"= 50'	ACAD		PEB

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA





DETAIL OF BOX CULVERT

BOX. CULVERT
INV. ELEV.=64.38

64.38

66.3
36"CONC. PIPE
INV. ELEV.=66.3

LEGEND

+ 66.3	SPOT ELEVATION
———	EDGE OF WATER
– – 65 – –	CONTOUR LINE

PHILLIPS POND

WITH SOFT BOTTOM
ELEVATIONS SHOWN
(WATER ELEV. = 59.5±)

NOTES:

1) POND OUTLINE IS DERIVED FROM LOCATION OF ACTUAL LIMITS OF STANDING WATER FOUND AT THE TIME OF FIELD SURVEY.

2) SOFT AND HARD BOTTOM ELEVATIONS ARE FROM BATHYMETRIC DATA OBTAINED BY NORMANDEAU ASSOC. INC. AND PROVIDED TO TWM NORTHEAST AT THE TIME OF SURVEY.

3) ALL CONTOURS SHOWN ARE BASED ON SOFT BOTTOM (NOTE 2) AND EDGE OF WATER LOCATION ELEVATIONS (NOTE 1).

4) ALL SPOT GRADES SHOWN ARE BASED ON SOFT BOTTOM ELEVATIONS

5) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C. ENGINEERS INC.

6) SEE SHEET 6 OF 10 FOR HARD BOTTOM ELEVATIONS.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

REVISED 07-26-91
REVISED 06-21-91
REVISED 04-29-91

PLAN OF PHILLIPS POND, SOFT BOTTOM ELEVATIONS

COMMONWEALTH OF MASSACHUSETTS
PHILIP E. BURROWS
#35776
REGISTERED PROFESSIONAL LAND SURVEYOR

INDUSRTI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

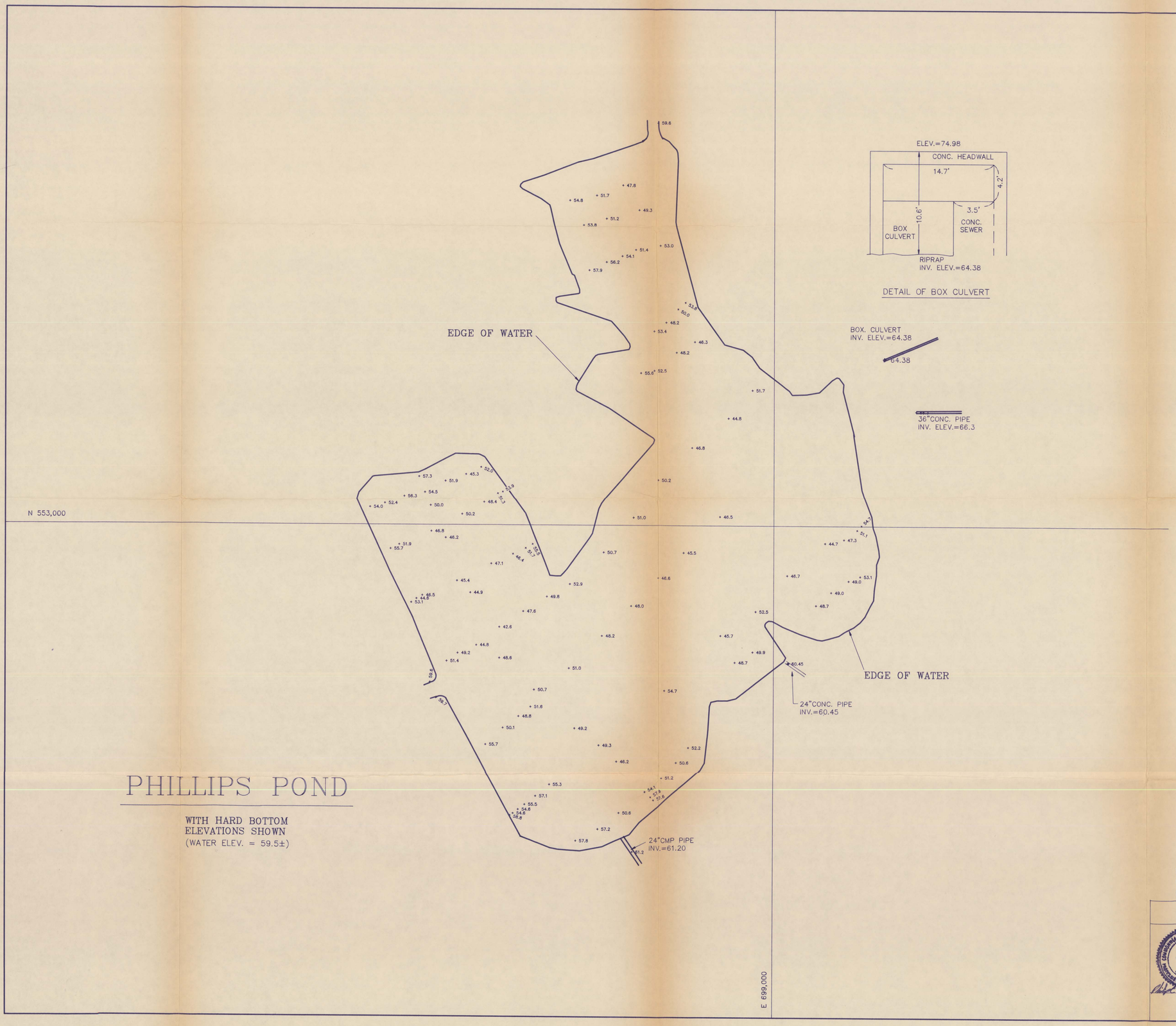
PREPARED FOR GOLDER ASSOC. INC.

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-29-91	1" = 50'	ACAD		PEB

JOB. NO. 1W062

DWG. NO. 5 of 10

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA



DETAIL OF BOX CULVERT

LEGEND

+ 66.3 SPOT ELEVATION
EDGE OF WATER

NOTES:

1) POND OUTLINE IS DERIVED FROM LOCATION OF ACTUAL LIMITS OF STANDING WATER FOUND AT THE TIME OF FIELD SURVEY.

2) SOFT AND HARD BOTTOM ELEVATIONS ARE FROM BATHYMETRIC DATA OBTAINED BY NORMANDEAU ASSOC. INC. AND PROVIDED TO TWM NORTHEAST AT THE TIME OF SURVEY.

3) ALL SPOT GRADES SHOWN ARE BASED ON HARD BOTTOM ELEVATIONS

4) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C. ENGINEERS INC.

5) SEE SHEET 5 OF 10 FOR SOFT BOTTOM ELEVATIONS.

PHILLIPS POND

WITH HARD BOTTOM
ELEVATIONS SHOWN
(WATER ELEV. = 59.5±)

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

REVISED 07-26-91
REVISED 06-21-91
REVISED 04-29-91

PLAN OF PHILLIPS POND, HARD BOTTOM ELEVATIONS

INDUSRTI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

JOB. NO. 1W062

PREPARED FOR GOLDER ASSOC. INC.

DWG. NO. 6 of 10

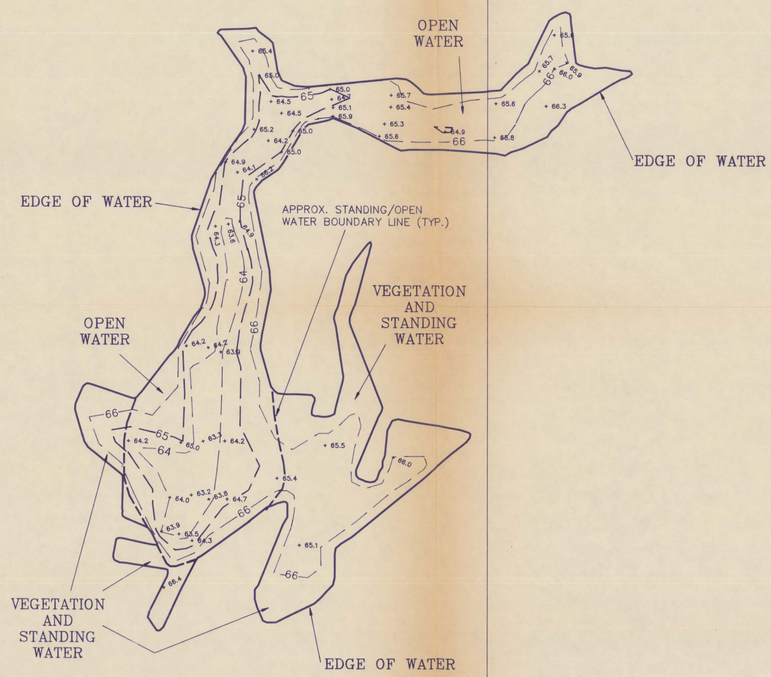
DATE	SCALE	DRAWN	DESIGN	CHECKED
03-29-91	1" = 50'	ACAD		PEB

COMMONWEALTH OF MASSACHUSETTS
PHILIP E. BURROWS
#35778
REGISTERED PROFESSIONAL ENGINEER

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA

WETLAND 3B

WITH SOFT BOTTOM
ELEVATIONS SHOWN
(WATER ELEV. = 66.5±)



LEGEND

+ 66.3	SPOT ELEVATION
———	EDGE OF WATER
- - - - -	APPROX. STANDING/OPEN WATER BOUNDARY LINE
— —65— —	CONTOUR LINE

NOTES:

1) POND OUTLINE IS DERIVED FROM LOCATION OF ACTUAL LIMITS OF STANDING WATER FOUND AT THE TIME OF FIELD SURVEY.

2) SOFT AND HARD BOTTOM ELEVATIONS ARE FROM BATHYMETRIC DATA OBTAINED BY NORMANDEAU ASSOC. INC. AND PROVIDED TO TWM NORTHEAST AT THE TIME OF SURVEY.

3) ALL CONTOURS SHOWN ARE BASED ON SOFT BOTTOM (NOTE 2) AND EDGE OF WATER LOCATION ELEVATIONS (NOTE 1).

4) ALL SPOT GRADES SHOWN ARE BASED ON SOFT BOTTOM ELEVATIONS

5) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C. ENGINEERS INC.

6) SEE SHEET 8 OF 10 FOR HARD BOTTOM ELEVATIONS.

GRAPHIC SCALE

50 0 25 50 100 200'

(IN FEET)
1 inch = 50 ft.

REVISED 12-04-91
REVISED 06-21-91
REVISED 04-29-91

PLAN OF WETLAND 3B, SOFT BOTTOM ELEVATIONS

COMMONWEALTH OF MASSACHUSETTS
PHILIP E. BURROWS #35778 REGISTERED PROFESSIONAL LAND SURVEYOR

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

PREPARED FOR GOLDER ASSOC. INC.

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-29-91	1"= 50'	ACAD		PEB

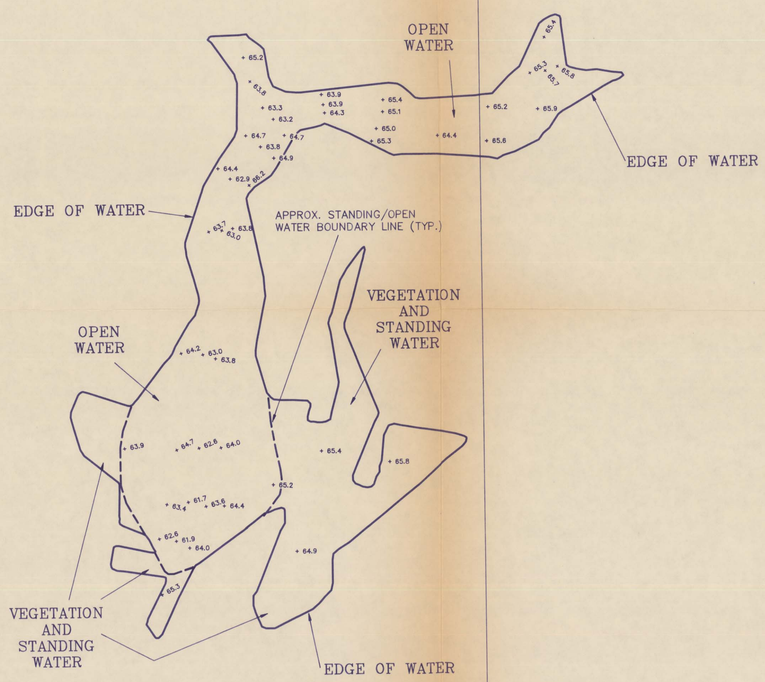
JOB. NO. 1W062

DWG. NO. 7 OF 10

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA

WETLAND 3B

WITH HARD BOTTOM
ELEVATIONS SHOWN
(WATER ELEV. = 66.5±)



N 554,000

E 698,000

LEGEND

+ 66.3	SPOT ELEVATION
———	EDGE OF WATER
- - - - - -	APPROX. STANDING/OPEN WATER BOUNDARY LINE

NOTES:

1) POND OUTLINE IS DERIVED FROM LOCATION OF ACTUAL LIMITS OF STANDING WATER FOUND AT THE TIME OF FIELD SURVEY.

2) SOFT AND HARD BOTTOM ELEVATIONS ARE FROM BATHYMETRIC DATA OBTAINED BY NORMANDEAU ASSOC. INC. AND PROVIDED TO TWM NORTHEAST AT THE TIME OF SURVEY.

3) ALL SPOT GRADES SHOWN ARE BASED ON HARD BOTTOM ELEVATIONS

4) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C. ENGINEERS INC.

5) SEE SHEET 7 OF 10 FOR SOFT BOTTOM ELEVATIONS.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

REVISED 12-04-91
REVISED 06-21-91
REVISED 04-29-91

PLAN OF WETLAND 3B, HARD BOTTOM ELEVATIONS

COMMONWEALTH OF MASSACHUSETTS
PHILIP E. BURROWS
#35778
REGISTERED
PROFESSIONAL LAND SURVEYOR

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

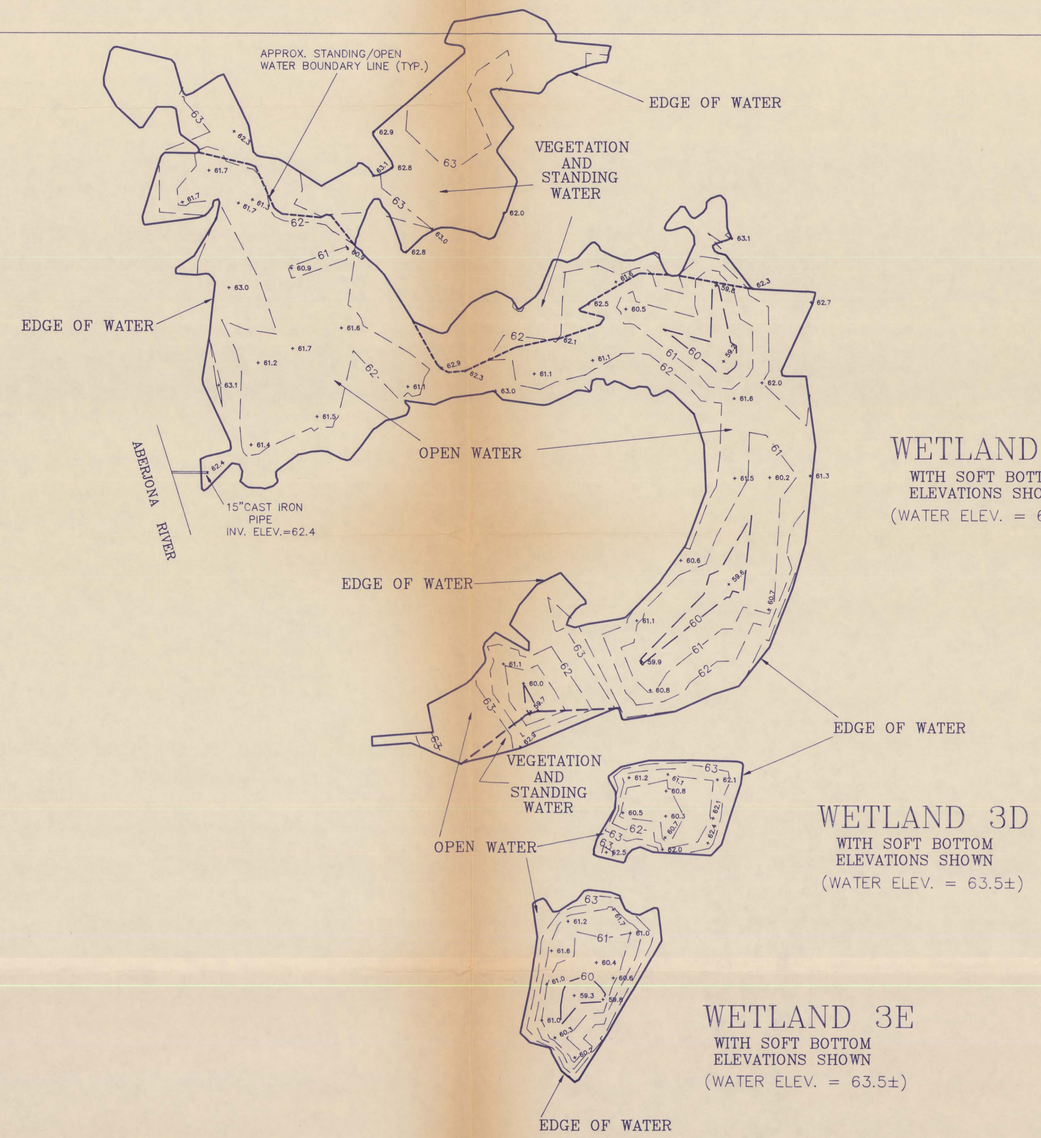
PREPARED FOR GOLDER ASSOC. INC.

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-29-91	1" = 50'	ACAD		PEB

JOB. NO. 1W062

DWG. NO. 8 OF 10

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA



LEGEND

+ 66.3	SPOT ELEVATION
———	EDGE OF WATER
– – – – –	APPROX. STANDING/OPEN WATER BOUNDARY LINE
– – 65 – –	CONTOUR LINE

NOTES:

1) POND OUTLINES ARE DERIVED FROM LOCATION OF ACTUAL LIMITS OF STANDING WATER FOUND AT THE TIME OF FIELD SURVEY.

2) SOFT AND HARD BOTTOM ELEVATIONS ARE FROM BATHYMETRIC DATA OBTAINED BY NORMANDEAU ASSOC. INC. AND PROVIDED TO TWM NORTHEAST AT THE TIME OF SURVEY.

3) ALL CONTOURS SHOWN ARE BASED ON SOFT BOTTOM (NOTE 2) AND EDGE OF WATER LOCATION ELEVATIONS (NOTE 1).

4) ALL SPOT GRADES SHOWN ARE BASED ON SOFT BOTTOM ELEVATIONS

5) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C. ENGINEERS INC.

6) SEE SHEET 10 OF 10 FOR HARD BOTTOM ELEVATIONS.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

REVISED 12-04-91
REVISED 06-21-91
REVISED 04-29-91

PLAN OF WETLANDS 3C, 3D & 3E, SOFT BOTTOM ELEVATIONS

COMMONWEALTH OF MASSACHUSETTS PHILIP E. BURROWS #35778 REGISTERED PROFESSIONAL LAND SURVEYOR

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

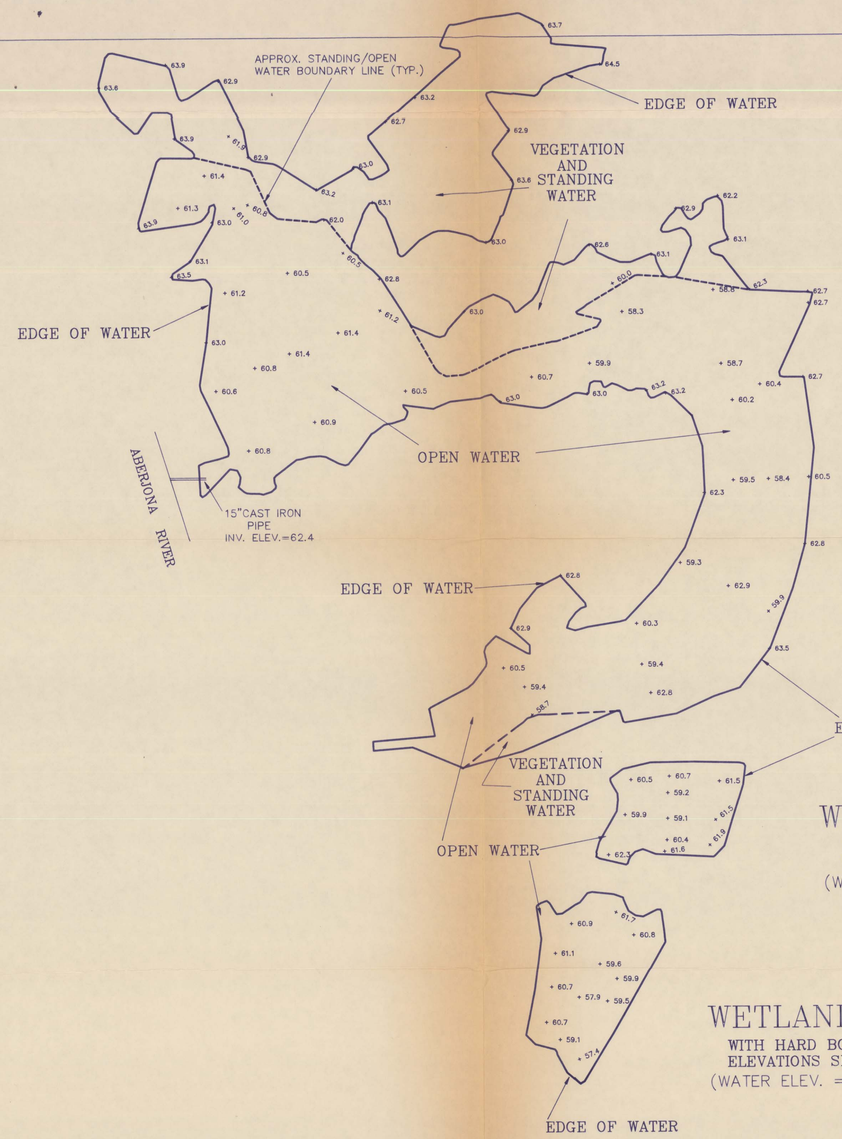
JOB. NO. 1W062

PREPARED FOR GOLDER ASSOC. INC.

DWG. NO. 9 OF 10

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-29-91	1"= 50'	ACAD		PEB

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA



LEGEND

+ 66.3	SPOT ELEVATION
———	EDGE OF WATER
- - - - -	APPROX. STANDING/OPEN WATER BOUNDARY LINE

NOTES:

1) POND OUTLINES ARE DERIVED FROM LOCATION OF ACTUAL LIMITS OF STANDING WATER FOUND AT THE TIME OF FIELD SURVEY.

2) SOFT AND HARD BOTTOM ELEVATIONS ARE FROM BATHYMETRIC DATA OBTAINED BY NORMANDEAU ASSOC. INC. AND PROVIDED TO TWM NORTHEAST AT THE TIME OF SURVEY.

3) ALL SPOT GRADES SHOWN ARE BASED ON HARD BOTTOM ELEVATIONS AND EDGE OF WATER IN SOME AREAS.

4) COORDINATES AND ELEVATIONS ARE BASED FROM DATUM SUPPLIED BY S.A.I.C. ENGINEERS INC.

5) SEE SHEET 9 OF 10 FOR SOFT BOTTOM ELEVATIONS.

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

REVISED 12-04-91
REVISED 06-21-91
REVISED 04-29-91

PLAN OF WETLANDS 3C, 3D & 3E, HARD BOTTOM ELEVATIONS

COMMONWEALTH OF MASSACHUSETTS PHILIP E. BURROWS #35778 REGISTERED PROFESSIONAL LAND SURVEYOR

INDUSTRI-PLEX SITE REMEDIAL TRUST
WOBURN, MASS.

PREPARED FOR GOLDER ASSOC. INC.

DATE	SCALE	DRAWN	DESIGN	CHECKED
03-29-91	1" = 50'	ACAD		PEB

JOB. NO. 1W062

DWG. NO. 10 OF 10

TWM NORTHEAST • FLYNN ENGINEERS
MIDDLEBORO, MA – NORTHBORO, MA – NORTHAMPTON, MA

APPENDIX 10-I

Calibration Calculations

Golder Associates	SUBJECT Calibration Calculations		
	Job No. 903-6400 Ref. ISRT - 95%	Made by DP Checked UEE7 Reviewed	Date 6/10/91 Sheet 1 of 4

Objective: Find Peak-discharge for the 100-yr storms using two different equations.

Method: Set up calculations using Lotus 1-2-3 to solve for the following equations which will yield the peak-discharge (cfs) for the specified subwatershed delineations. When analyzing the data the assumptions listed beneath each equation must be taken into consideration.

1) Peak-Discharge formula for Easter Mass. from Estimating the Magnitude & Frequency of Floods on Natural-Flow Streams in Mass., by S.W. Wandle, Jr (1977).

$$Q_{0.01} = 53.86 A^{0.807} Sl^{0.272} \implies 57\% \text{ error}$$

Q_t = peak discharge, in (cfs)
A = drainage area (sq. mis)
Sl = main-channel slope (ft/mi)

Assumptions:
a) flood flows are essentially natural
b) drainage area is within the range of .25 mi² - 260 mi²
c) main channel slope is within the range of 2.5 ft/mi - 230 ft/mi
d) flood flows are not significantly affected by regulations, diversions or ubanization
e) usable man-made storage is not over 4.5 million cf/sq mi

Observations:
a) lower region of SWS 7 & part of SWS 8 are residential
b) The other regions are industrialized
c) The Atl. Ave D.W. has an area less than 0.25 mi²

Golder Associates	SUBJECT Calibration Calculations		
	Job No. 903-6400	Made by DP	Date 6/10/91
	Ref. ISRT-95%	Checked UEE7	Sheet 2 of 4
		Reviewed CLM	

2) Region Flood-Frequency formula found on "Hydrology & Water Resources of the Coastal Basins of N.E. Mass, ..." by D.F. Delaney & F.B Gay (1980).

$$P_{100} = 0.260 A^{0.940} S^{0.182} p^{4.08}$$

P_{100} = peak discharge (cfs)
A = drainage area (sq.mi)
S = main-channel slope (ft/mi)
p = mean annual precipitation (ft)

Assumptions:
a) drainage area ranges from $0.25 mi^2 - 500 mi^2$
b) area is largely rural
c) area is not significantly affected by man-made regulation
d) if area is urbanized flow estimates will be too low.

Observations
a) refer back to first page.

Note: where more than one channel contributes flows to a specific area the areas of the subwatersheds involved will be summed together and the steepest slope will be used to produce the peak-discharge rate.

- Investigations in the Washington DC, metro area (Anderson, 1970) have shown that urban & suburban devel incr. the flood peaks by a factor that ranges from 2-8. (p. 25 Wandle)

TABLE 10-I.1
CALIBRATION FLOW RATES - EXISTING CONDITIONS
REF: WANDLE

903-6400.310
ISRT SITE HYDROLOGY
MADE BY DP
CHECKED

Waterbodies	Area (sq.mi)	Channel Slope (ft per mi)	Q (cfs)	Q X 2 (cfs)	Hec-1 (cfs)
Phillips Pond	3.42	26.40	354	708	471
Atlantic Avenue Drainway	0.16	56.46	37	74	95
New Boston Street Drainway	0.63	35.20	98	195	134

TABLE 10-1.2
CALIBRATION FLOW RATES - EXISTING CONDITIONS
REF: HYDRAULIC ATLAS

903-6400.310
ISRT SITE HYDROLOGY
MADE BY DP
CHECKED UEZ

Waterbodies	Area (sq.mi)	Channel Slope (ft per mi)	Annual Precip (ft)	P (cfs)	P X 3 (cfs)	Hec-1 (cfs)
Phillips Pond	3.42	26.40	3.42	230	690	471
Atlantic Avenue Drainway	0.16	56.46	3.42	15	45	95
New Boston Street Drainway	0.63	35.20	3.42	49	148	134

APPENDIX 10-J

Atlantic Avenue Drainway Extension

Golder Associates	SUBJECT Proposed Atlantic Avenue Drainway Extension		
	Job No. 903-6400.310 Ref. 1SRT-100%	Made by UEE7 Checked AH Reviewed CEM	Date 12-18-91 Sheet 1 of 2

Objective: To determine the channel size required to handle the runoff from the surrounding upland and the discharge from the creation wetland (a.k.a. mitigation area wetland [MAWL])

Method: Using Manning's equation, size a channel that can facilitate the flow requirement.

References:

1. Ned H.C. Huang & Carlos E. Hita, "Fundamentals of Hydraulic Engineering Systems", 2nd Ed, 1987.
2. 100-yr, 24 hr. HEC-1 analysis (see Appendix 10-E)

Golder Associates	SUBJECT Proposed Atlantic Avenue Drainway Extension		
	Job No. 903-6400.310	Made by UZZ7	Date 12/15-91
	Ref. ISRT-100%	Checked AA	Sheet 2 of 2
		Reviewed CAM	

Given: $Q_{100} = 33$ cfs. (HEC-1 Analysis)

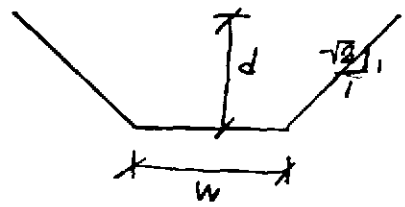
$S = \frac{\Delta h}{L} = \frac{3}{450} = 0.007\%$

$n = 0.035$, smooth cut rock (per Huang)

$A = (w + d)d$

$P = w + 2\sqrt{2}d$

$R_h = \frac{A}{P}$



Manning's, $Q = \frac{1.49}{n} R_h^{2/3} S^{1/2} A$

By Substitution, $33 = \frac{1.49}{(0.035)} \left(\frac{A}{P}\right)^{2/3} (0.007)^{1/2} A$

Simplifying, $9.27 = \frac{A^{5/3}}{P^{2/3}} = \frac{[(w+d)d]^{5/3}}{(w+2\sqrt{2}d)^{2/3}}$

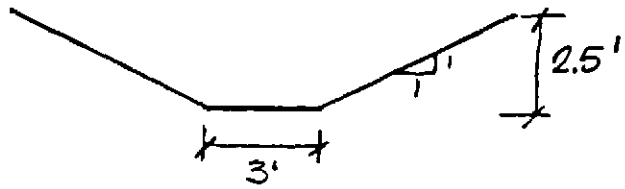
Solving iteratively for d,

If $w = 3'$, try $d = 1.9'$ $\quad 9.27 \overset{?}{=} 9.99$ too high

try $d = 1.8'$ $\quad 9.27 \overset{?}{=} 9.03$ too low

try $d = 1.83'$ $\quad 9.27 \overset{?}{=} 9.31$ o.k.

Therefore, with an allowance for freeboard, the channel should be.

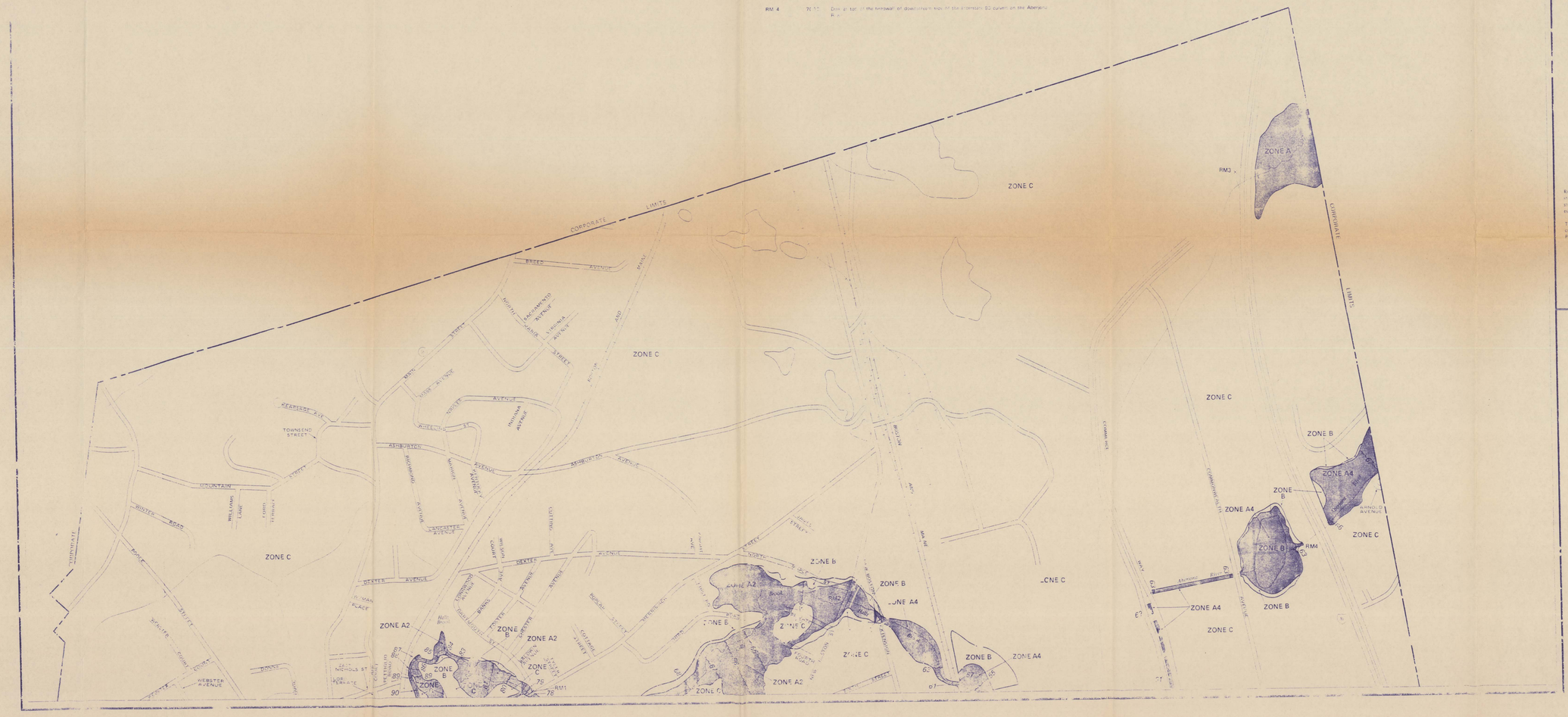


APPENDIX 10-K

FEMA Map

ELEVATION REFERENCE MARKS

REFERENCE MARKS	ELEVATION FEET (NGVD)	DESCRIPTION OF LOCATION
RM 1	79.31	Chiseled square on the center of a granite post, [illegible] of Halls Brook on west side of Montvale Street, 30 feet south from center of Summer Street
RM 2	61.65	A chiseled square on the center of granite post [illegible] of culvert for Halls Brook on west side of New Boston Street, 150 feet south from center of North Maple Street
RM 3	107.17	Bolt and washer in wooden telephone pole located [illegible] Interstate 93 at Highway Station 251+[illegible], approx. 1400 feet south of northern corporate limit
RM 4	70.[illegible]	Disk at top of the headwall of downstream side of the Interstate 93 culvert on the Aberjona River



KEY TO MAP

500-Year Flood Boundary
100-Year Flood Boundary
Zone Designations* With Date Of Identification Eg.: 12/2/74
100-Year Flood Boundary
500-Year Flood Boundary

ZONE B
ZONE B

Base Flood Elevation Line With Elevation In Feet**: 513

Base Flood Elevation In Feet Where Uniform Within Zone**: (EL 987)

Elevation Reference Mark: RM7 ×

River Mile: • M1.5

**Referenced to the National Geodetic Vertical Datum of 1929

*EXPLANATION OF ZONE DESIGNATIONS

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A1-A30	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations and flood hazard factors determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations and flood hazard factors not determined.
A1-A99	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
AR	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

NOTES TO USER

Certain areas not in the special flood hazard areas (zones A and V) may be protected by flood control structures.

This map is for flood insurance purposes only; it does not imply that all areas outside the boundaries in the community are free from flooding or flood damage.

For adjoining map panels, see separately printed Index To Panels.

INITIAL IDENTIFICATION
AUGUST 2, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
JUNE 26, 1977

FLOOD INSURANCE RATE MAP EFFECTIVE
JULY 2, 1980

FLOOD INSURANCE RATE MAP REVISIONS

Refer to the CONVERSION TO REGULAR PROGRAM date shown on this map to determine when actuarial rates apply to structures in the zones where elevations or depths have been established.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program, at (800) 638-6620 or (800) 424-8872.

APPROXIMATE SCALE
400 0 400 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
WOBURN,
MASSACHUSETTS
MIDDLESEX COUNTY

PANEL 1 OF 5

COMMUNITY-PANEL NUMBER
250229 0001 B

EFFECTIVE DATE:
JULY 2, 1980

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

APR 25 1992

APPENDIX 10-L
HEC-2 Analysis

HEC-2

New Boston Street Drainway at Wetland 8 Before Remedy

```
1*****************************************************
 *  WATER SURFACE PROFILES                           *
 *  VERSION OF SEPTEMBER 1988                        *
    RROR: 01,02                                      *
 ~  .PDATED:  4 APRIL    1989                        *
 *  RUN DATE    10/31/91   TIME   12:21:18           *
*****************************************************
```

```
*************************************
*  U.S. ARMY CORPS OF ENGINEERS     *
*  THE HYDROLOGIC ENGINEERING CENTER *
*  609 SECOND STREET, SUITE D       *
*  DAVIS, CALIFORNIA 95616-4687     *
*  (916) 756-1104, (916) 551-1748   *
*************************************
```

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
```

END OF BANNER

1

10/31/91 12:21:18 PAGE 1

THIS RUN EXECUTED 10/31/91 12:21:18

```
**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED APR  1989


    ROR CORR -  01,02
  MODIFICATION -
**************************************************
```

T1 HEC-2 DATA SHEET
T2 100-YEAR FLOOD ANALYSIS
T3 ISRT DITCH B - BEFORE REMEDY
(aka NEW BOSTON STREET DRAINWAY AT WETLAND B)

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	0	0	0	-1	0	0.0001	134	60	0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-1	1	0	0	0	0	-1	0	0	0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	38	39	1	4	6	14	26	43	53	54
NC	.1	.05	.04	0	0	0	0	0	0	
X1	6	6	95	136	0	0	0			
GR	65.5	0	67	95	58.7	108	57.9	126	63.2	136
GR	63	139								
X1	5	6	95	136	100	100	100			
	65.5	0	67	95	58.7	108	57.9	126	63.2	136
~	63	139								
X1	4	8	30	85	156	83	97			
GR	66	0	67	30	59.2	45	58.6	54	59.3	60

```
GR     59.3        72        60        75        62        85

X1        3         8        18        40       109       110       120
X3       10
GR       66         0      62.4        18      59.5        21      59.3        36      60.2        40
GR     59.3       100        60       125        62       135

X1        2        10        19        37        80       100        86
X3       10
GR       66         0        64        13      62.3        19      59.7        24      59.1        34
GR       61        37        60        87      59.3       123        60       176        62       236

X1        1        10        13        25        48        53        48
X3       10
GR       64         0        62         4      61.9        13      59.8        18      60.4        23
GR     61.7        25        60        68      59.3       177        60       251        62       254


1
   10/31/91      12:21:18                                                                          PAGE    2


   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN     SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID    ENDST


 *PROF 1

 CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS
0

 *SECNO 6.000
 3720 CRITICAL DEPTH ASSUMED
     6.00     1.53    59.43    59.43    60.00    59.96      .53      .00      .00    67.00
     134.      0.     134.       0.       0.      23.       0.       0.       0.    63.20
      .00      .00     5.85      .00     .000     .040     .000     .000    57.90   106.86
  .024410       0.       0.       0.        0       18        0      .00    22.02   128.88
0
 *SECNO 5.000

 1645 INT SEC ADDED BY RAISING SEC      5.00,    .000 FT AND MULTIPLYING BY    .987


 3301 HV CHANGED MORE THAN HVINS


 3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  2.00

     1.01     2.11    60.01    59.44      .00    60.23      .22      .27      .00    67.00
     134.      0.     134.       0.       0.      36.       0.       0.       0.    63.20
      .00      .00     3.73      .00     .000     .040     .000     .000    57.90   104.55
  .006098      25.      25.      25.        3        5        0      .00    23.73   128.28
0

 1645 INT SEC ADDED BY RAISING SEC      1.01,    .000 FT AND MULTIPLYING BY   1.004


 3301 HV CHANGED MORE THAN HVINS

     1.02     2.29    60.19    59.43      .00    60.36      .17      .13      .00    67.00
     134.      0.     134.       0.       0.      40.       0.       0.       0.    63.20
      .00      .00     3.32      .00     .000     .040     .000     .000    57.90   104.75
  .004340      25.      25.      25.        2       19        0      .00    24.43   129.18
```

0
1

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

1645 INT SEC ADDED BY RAISING SEC 1.02, .000 FT AND MULTIPLYING BY 1.004

3301 HV CHANGED MORE THAN HVINS

1.03	2.41	60.31	59.43	.00	60.45	.15	.10	.00	67.00
134.	0.	134.	0.	0.	43.	0.	0.	0.	63.20
.01	.00	3.08	.00	.000	.040	.000	.000	57.90	105.02
.003486	25.	25.	25.	2	14	0	.00	24.95	129.97

0

1645 INT SEC ADDED BY RAISING SEC 1.03, .000 FT AND MULTIPLYING BY 1.004

3301 HV CHANGED MORE THAN HVINS

5.00	2.50	60.40	59.43	.00	60.53	.13	.08	.00	67.00
134.	0.	134.	0.	0.	46.	0.	0.	0.	63.20
.01	.00	2.91	.00	.000	.040	.000	.000	57.90	105.33
^02942	25.	25.	25.	2	14	0	.00	25.39	130.72

.NO 4.000

1645 INT SEC ADDED BY RAISING SEC 4.00, -.525 FT AND MULTIPLYING BY .779

3301 HV CHANGED MORE THAN HVINS

1.01	2.41	60.49	59.62	.00	60.61	.12	.07	.00	66.48
134.	0.	134.	0.	0.	48.	0.	0.	0.	61.48
.01	.00	2.78	.00	.000	.040	.000	.000	58.08	32.35
.003113	39.	24.	21.	2	14	0	.00	30.04	62.38

0

1645 INT SEC ADDED BY RAISING SEC 1.01, .175 FT AND MULTIPLYING BY 1.094

3301 HV CHANGED MORE THAN HVINS

1

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

1.02	2.32	60.57	59.73	.00	60.68	.11	.08	.00	66.65
134.	0.	134.	0.	0.	50.	0.	0.	0.	61.65
.01	.00	2.70	.00	.000	.040	.000	.000	58.25	35.55
.003074	39.	24.	21.	2	14	0	.00	32.33	67.88

0

```
 1645 INT SEC ADDED BY RAISING SEC      1.02,    .175 FT AND MULTIPLYING BY   1.086


 3301 HV CHANGED MORE THAN HVINS

      1.03     2.22    60.65    59.85      .00    60.76      .11      .08      .00    66.83
      134.       0.     134.       0.       0.      51.       0.       0.       0.    61.83
       .02      .00     2.65      .00     .000     .040     .000     .000    58.42    38.79
   .003129      39.      24.      21.        2       14        0      .00    34.50    73.30
0

 1645 INT SEC ADDED BY RAISING SEC      1.03,    .175 FT AND MULTIPLYING BY   1.079


 3301 HV CHANGED MORE THAN HVINS

      4.00     2.13    60.73    59.98      .00    60.84      .11      .08      .00    67.00
      134.       0.     134.       0.       0.      51.       0.       0.       0.    62.00
       .02      .00     2.62      .00     .000     .040     .000     .000    58.60    42.06
   .003260      39.      24.      21.        2       14        0      .00    36.59    78.65
0
 *SECNO 3.000

 1645 INT SEC ADDED BY RAISING SEC      3.00,   -.525 FT AND MULTIPLYING BY   1.231


 3301 HV CHANGED MORE THAN HVINS


 3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  4.18

      1.01     2.07    60.84    59.46      .00    60.85      .01      .01      .00    61.88
      134.       0.      34.     100.       0.      47.     178.       0.       0.    59.67
       .03      .00      .74      .56     .000     .040     .050     .000    58.77    23.47
   .000187      27.      30.      28.        2       17        0      .00   138.82   162.29
0
1
    10/31/91      12:21:18                                                                          PAGE    5


    SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
    Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
    TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
    SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 1645 INT SEC ADDED BY RAISING SEC      1.01,    .175 FT AND MULTIPLYING BY    .937


 3301 HV CHANGED MORE THAN HVINS

      1.02     1.90    60.85    59.66      .00    60.86      .01      .01      .00    62.05
      134.       0.      35.      99.       0.      40.     149.       0.       0.    59.85
       .04      .00      .89      .66     .000     .040     .050     .000    58.95    22.21
   .000304      27.      30.      28.        2       22        0      .00   128.95   151.16
0

 1645 INT SEC ADDED BY RAISING SEC      1.02,    .175 FT AND MULTIPLYING BY    .933


 3301 HV CHANGED MORE THAN HVINS

      1.03     1.73    60.85    59.85      .00    60.87      .01      .01      .00    62.22
      134.       0.      36.      98.       0.      33.     123.       1.       0.    60.02
```

```
      .05      .00     1.08      .80     .000     .040     .050     .000    59.12    20.91
   .000516     27.      30.      28.       2       18        0      .00   119.26   140.17
0

 INT SEC ADDED BY RAISING SEC      1.03,    .175 FT AND MULTIPLYING BY    .929


3301 HV CHANGED MORE THAN HVINS


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=        62.40 ELREA=        60.20

     3.00     1.57    60.87    60.20      .00    60.89      .02      .02      .00    62.40
     134.       0.      37.      97.       0.      27.      99.       1.       0.    60.20
      .06      .00     1.34      .98     .000     .040     .050     .000    59.30    19.58
   .000916     27.      30.      28.       2       25        0      .00   109.75   129.34
0
*SECNO 2.000

1645 INT SEC ADDED BY RAISING SEC      2.00,    .150 FT AND MULTIPLYING BY   1.234

1
   10/31/91       12:21:18                                                                PAGE     6


   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST


     DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=        62.38 ELREA=        60.40

     1.01     1.65    60.90    60.41      .00    60.91      .01      .02      .00    62.45
     134.       0.      22.     112.       0.      21.     148.       1.       1.    61.15
      .07      .00     1.05      .76     .000     .040     .050     .000    59.25    27.14
   .000708     20.      22.      25.       2       28        0      .00   201.47   244.83
0

1645 INT SEC ADDED BY RAISING SEC      1.01,   -.050 FT AND MULTIPLYING BY    .937


3265 DIVIDED FLOW


3301 HV CHANGED MORE THAN HVINS


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=        62.35 ELREA=        60.60

     1.02     1.71    60.91    60.61      .00    60.92      .01      .02      .00    62.40
     134.       0.      21.     113.       0.      20.     150.       1.       1.    61.10
      .08      .00     1.04      .75     .000     .040     .050     .000    59.20    25.28
   .000651     20.      22.      25.       2       23        0      .00   195.18   231.66


1645 INT SEC ADDED BY RAISING SEC      1.02,   -.050 FT AND MULTIPLYING BY    .932
```

3265 DIVIDED FLOW

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 62.32 ELREA= 60.80

1.03	1.78	60.93	60.84	.00	60.94	.01	.02	.00	62.35
134.	0.	21.	113.	0.	20.	151.	1.	1.	61.05
.08	.00	1.03	.75	.000	.040	.050	.000	59.15	23.43
.000612	20.	22.	25.	2	8	0	.00	187.89	218.13

0
1

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

1645 INT SEC ADDED BY RAISING SEC 1.03, -.050 FT AND MULTIPLYING BY .928

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 62.30 ELREA= 61.00

2.00	1.93	61.03	61.03	.00	61.03	.01	.01	.00	62.30
134.	0.	20.	114.	0.	21.	165.	1.	1.	61.00
.09	.00	.94	.70	.000	.040	.050	.000	59.10	21.45
.000464	20.	22.	25.	0	17	0	.00	185.33	206.78

0
*SECNO 1.000

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 61.90 ELREA= 61.70

1.00	1.92	61.72	61.72	.00	61.72	.00	.01	.00	61.90
134.	0.	4.	130.	0.	14.	418.	1.	1.	61.70
.14	.00	.27	.31	.000	.040	.050	.000	59.80	13.43
.000045	48.	48.	53.	0	9	0	.00	240.14	253.58

0
1
CROSS SECTION 6.00
STREAM ISRT DITCH B - BEFORE RE
DISCHARGE= 134.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV   57.9     58.9     59.9     60.9     61.9     62.9     63.9     64.9     65.9     66.9     67.9


    STA-FEET

  2  0. .        .        .        .        .        .        .        .   X    .        .        .        .
     5. .        .        .        .        .        .        .        .    X   .        .        .        .
    10. .        .        .        .        .        .        .        .     X  .        .        .        .
```

```
    15. .        .        .        .        .        .        .        .      X .        .        .        .
    20. .        .        .        .        .        .        .        .       X.        .        .        .
    25. .        .        .        .        .        .        .        .        X        .        .        .
    30. .        .        .        .        .        .        .        .       .X        .        .        .
    35. .        .        .        .        .        .        .        .        . X      .        .        .
    40. .        .        .        .        .        .        .        .        . X      .        .        .
    45. .        .        .        .        .        .        .        .        .  X     .        .        .
    50. .        .        .        .        .        .        .        .        .   X    .        .        .
    55. .        .        .        .        .        .        .        .        .    X   .        .        .
    60. .        .        .        .        .        .        .        .        .    X   .        .        .
    65. .        .        .        .        .        .        .        .        .     X  .        .        .
    70. .        .        .        .        .        .        .        .        .      X .        .        .
    75. .        .        .        .        .        .        .        .        .       X.        .        .
    80. .        .        .        .        .        .        .        .        .        X.       .        .
    85. .        .        .        .        .        .        .        .        .        X.       .        .
    90. .        .        .        .        .        .        .        .        .         X       .        .
  3 95. .        .        .        .        .        .        .        .        .         .X      .     BANK.
   100. .        .        .        .        .        .       X.        .        .        .        .        .
   105. .        .        .      X .        .        .        .        .        .        .        .        .
  4 110. .      X .    W    .E      .        .        .        .        .        .        .        .        .
   115. .    X   .    W    .E      .        .        .        .        .        .        .        .        .
   120. .  X     .    W    .E      .        .        .        .        .        .        .        .        .
  5 125. X       .    W    .E      .        .        .        .        .        .        .        .        .
   130. .        .        .      X .        .        .        .        .        .        .        .        .
  6 135. .        .        .        .        .       . X       .        .        .        .        .     BANK.
  7 140. .        .        .        .        .      .X         .        .        .        .        .        .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

 EL(I),STA(I)
     65.50        .00       67.00       95.00       58.70      108.00       57.90      126.00       63.20      136.00
     63.00      139.00
```

S SECTION 1.01
S.REAM ISRT DITCH B - BEFORE RE
DISCHARGE= 134.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
ELEV   57.9      58.9      59.9      60.9      61.9      62.9      63.9      64.9      65.9      66.9      67.9

    STA-FEET

  2  0. .        .        .        .        .        .        .        .      X  .        .        .        .
     5. .        .        .        .        .        .        .        .     X  .        .        .        .
    10. .        .        .        .        .        .        .        .      X .        .        .        .
    15. .        .        .        .        .        .        .        .      X .        .        .        .
    20. .        .        .        .        .        .        .        .       X.        .        .        .
    25. .        .        .        .        .        .        .        .        X        .        .        .
    30. .        .        .        .        .        .        .        .       .X        .        .        .
    35. .        .        .        .        .        .        .        .        . X      .        .        .
    40. .        .        .        .        .        .        .        .        . X      .        .        .
    45. .        .        .        .        .        .        .        .        .  X     .        .        .
    50. .        .        .        .        .        .        .        .        .   X    .        .        .
    55. .        .        .        .        .        .        .        .        .    X   .        .        .
    60. .        .        .        .        .        .        .        .        .     X  .        .        .
    65. .        .        .        .        .        .        .        .        .     X  .        .        .
    70. .        .        .        .        .        .        .        .        .      X .        .        .
    75. .        .        .        .        .        .        .        .        .       X.        .        .
    80. .        .        .        .        .        .        .        .        .        X.       .        .
    85. .        .        .        .        .        .        .        .        .         X       .        .
    90. .        .        .        .        .        .        .        .        .         X       .        .
  3 95. .        .        .        .        .        .        .        .        .         .X      .     BANK.
   100. .        .        .        .        .        .       X.        .        .        .        .        .
```

```
 4 105. .       X .    C    .W E      .         .         .         .         .         .         .         .         .
   110. .     X   .    C    .W E      .         .         .         .         .         .         .         .         .
   115. .  X      .    C    .W E      .         .         .         .         .         .         .         .         .
   120. .X        .    C    .W E      .         .         .         .         .         .         .         .         .
 5 125. X         .    C    .W E      .         .         .         .         .         .         .         .         .
   130. .         .         .     X   .         .         .         .         .         .         .         .         .
 7 135. .         .         .         .         .         .XXX      .         .         .         .         .      BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.50        .00       67.00       93.75       58.70      106.58       57.90      124.35       63.20      134.22
      63.00      137.18
1
CROSS SECTION      1.02
STREAM  ISRT DITCH B - BEFORE RE
DISCHARGE=      134.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   57.9      58.9      59.9      60.9      61.9      62.9      63.9      64.9      65.9      66.9      67.9


    STA-FEET

 2   0. .         .         .         .         .         .         .         .   X     .         .         .         .
     5. .         .         .         .         .         .         .         .    X    .         .         .         .
    10. .         .         .         .         .         .         .         .     X   .         .         .         .
    15. .         .         .         .         .         .         .         .     X   .         .         .         .
    20. .         .         .         .         .         .         .         .      X.         .         .         .
    25. .         .         .         .         .         .         .         .       X        .         .         .
    30. .         .         .         .         .         .         .         .       .X       .         .         .
    35. .         .         .         .         .         .         .         .       . X      .         .         .
    40. .         .         .         .         .         .         .         .       . X      .         .         .
    45. .         .         .         .         .         .         .         .       .  X     .         .         .
    50. .         .         .         .         .         .         .         .       .   X    .         .         .
    55. .         .         .         .         .         .         .         .       .    X   .         .         .
    60. .         .         .         .         .         .         .         .       .     X  .         .         .
    65. .         .         .         .         .         .         .         .       .     X  .         .         .
    70. .         .         .         .         .         .         .         .       .      X .         .         .
    75. .         .         .         .         .         .         .         .       .       X .         .         .
    80. .         .         .         .         .         .         .         .       .        X.         .         .
    85. .         .         .         .         .         .         .         .       .         X         .         .
    90. .         .         .         .         .         .         .         .       .         X         .         .
 3  95. .         .         .         .         .         .         .         .       .         .X        .      BANK.
   100. .         .         .         .         .         .         X.        .         .         .         .         .
 4 105. .       X .    C    . W E     .         .         .         .         .         .         .         .         .
   110. .     X   .    C    . W E     .         .         .         .         .         .         .         .         .
   115. .   X     .    C    . W E     .         .         .         .         .         .         .         .         .
   120. .X        .    C    . W E     .         .         .         .         .         .         .         .         .
 5 125. X         .    C    . W E     .         .         .         .         .         .         .         .         .
   130. .         .         .     X   .         .         .         .         .         .         .         .         .
 6 135. .         .         .         .         .         .  X      .         .         .         .         .      BANK.
 7 140. .         .         .         .         .         .X        .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.50        .00       67.00       94.17       58.70      107.06       57.90      124.90       63.20      134.81
      63.00      137.78
1
CROSS SECTION      1.03
STREAM  ISRT DITCH B - BEFORE RE
DISCHARGE=      134.
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```
PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

      57.9      58.9      59.9      60.9      61.9      62.9      63.9      64.9      65.9      66.9      67.9

   STA-FEET

 2  0. .        .         .         .         .         .         .         .    X    .         .         .         .
    5. .        .         .         .         .         .         .         .     X   .         .         .         .
   10. .        .         .         .         .         .         .         .      X  .         .         .         .
   15. .        .         .         .         .         .         .         .      X  .         .         .         .
   20. .        .         .         .         .         .         .         .       X.         .         .         .
   25. .        .         .         .         .         .         .         .        X         .         .         .
   30. .        .         .         .         .         .         .         .        .X        .         .         .
   35. .        .         .         .         .         .         .         .        . X       .         .         .
   40. .        .         .         .         .         .         .         .        . X       .         .         .
   45. .        .         .         .         .         .         .         .        .  X      .         .         .
   50. .        .         .         .         .         .         .         .        .   X     .         .         .
   55. .        .         .         .         .         .         .         .        .    X    .         .         .
   60. .        .         .         .         .         .         .         .        .     X   .         .         .
   65. .        .         .         .         .         .         .         .        .     X   .         .         .
   70. .        .         .         .         .         .         .         .        .      X  .         .         .
   75. .        .         .         .         .         .         .         .        .       X .         .         .
   80. .        .         .         .         .         .         .         .        .        X.         .         .
   85. .        .         .         .         .         .         .         .        .        X.         .         .
   90. .        .         .         .         .         .         .         .        .         X         .         .
 3 95. .        .         .         .         .         .         .         .        .         .X        .     BANK.
  100. .        .         .         .         .         .         X.        .        .         .         .         .
  105. .        .         .         X         .         .         .         .        .         .         .         .
 4 110. .      X .    C    .   W E   .         .         .         .         .        .         .         .         .
  115. .    X   .    C    .   W E   .         .         .         .         .        .         .         .         .
  120. .  X     .    C    .   W E   .         .         .         .         .        .         .         .         .
  125. X        .    C    .   W E   .         .         .         .         .        .         .         .         .
  130. .        .         .         X         .         .         .         .        .         .         .         .
 6 135. .        .         .         .         .         .  X      .         .        .         .         .     BANK.
 7 140. .        .         .         .         .        .X         .         .        .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.50        .00       67.00       94.58       58.70      107.53       57.90      125.45       63.20      135.41
      63.00      138.39
1
 CROSS SECTION      5.00
 STREAM  ISRT DITCH B - BEFORE RE
 DISCHARGE=      134.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV  57.9      58.9      59.9      60.9      61.9      62.9      63.9      64.9      65.9      66.9      67.9

   STA-FEET

 2  0. .        .         .         .         .         .         .         .    X    .         .         .         .
    5. .        .         .         .         .         .         .         .     X   .         .         .         .
   10. .        .         .         .         .         .         .         .      X  .         .         .         .
   15. .        .         .         .         .         .         .         .      X  .         .         .         .
   20. .        .         .         .         .         .         .         .       X.         .         .         .
   25. .        .         .         .         .         .         .         .        X         .         .         .
   30. .        .         .         .         .         .         .         .        .X        .         .         .
   35. .        .         .         .         .         .         .         .        . X       .         .         .
   40. .        .         .         .         .         .         .         .        . X       .         .         .
   45. .        .         .         .         .         .         .         .        .  X      .         .         .
```

```
    50. .        .        .        .        .        .        .        .        .  X     .        .        .
    55. .        .        .        .        .        .        .        .        .   X    .        .        .
    60. .        .        .        .        .        .        .        .        .   X    .        .        .
    65. .        .        .        .        .        .        .        .        .    X   .        .        .
    70. .        .        .        .        .        .        .        .        .     X  .        .        .
    75. .        .        .        .        .        .        .        .        .      X .        .        .
    80. .        .        .        .        .        .        .        .        .       X.        .        .
    85. .        .        .        .        .        .        .        .        .       X.        .        .
    90. .        .        .        .        .        .        .        .        .        X        .        .
  3 95. .        .        .        .        .        .        .        .        .        .X       .     BANK.
   100. .        .        .        .        .        .        .       X.        .        .        .        .
   105. .        .        .      X .        .        .        .        .        .        .        .        .
  4 110. .      X .    C   .    WE  .        .        .        .        .        .        .        .        .
   115. .    X   .    C   .    WE  .        .        .        .        .        .        .        .        .
   120. .  X     .    C   .    WE  .        .        .        .        .        .        .        .        .
  5 125. X       .    C   .    WE  .        .        .        .        .        .        .        .        .
   130. .        .        .     X  .        .        .        .        .        .        .        .        .
  6 135. .        .        .        .        .        .  X     .        .        .        .        .     BANK.
  7 140. .        .        .        .        .       .X        .        .        .        .        .        .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.50        .00       67.00       95.00       58.70      108.00       57.90      126.00       63.20      136.00
      63.00     139.00
1
 CROSS SECTION      1.01
 STREAM  ISRT DITCH B - BEFORE RE
 DISCHARGE=      134.


 PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

 ELEV   58.1      59.1      60.1      61.1      62.1      63.1      64.1      65.1      66.1      67.1      68.1


    STA-FEET

  2  0. .        .        .        .        .        .        .        .  X     .        .        .        .
     2. .        .        .        .        .        .        .        .   X    .        .        .        .
     4. .        .        .        .        .        .        .        .    X   .        .        .        .
     6. .        .        .        .        .        .        .        .     X  .        .        .        .
     8. .        .        .        .        .        .        .        .     X  .        .        .        .
    10. .        .        .        .        .        .        .        .      X .        .        .        .
    12. .        .        .        .        .        .        .        .       X.        .        .        .
    14. .        .        .        .        .        .        .        .        X        .        .        .
    16. .        .        .        .        .        .        .        .       .X        .        .        .
    18. .        .        .        .        .        .        .        .        . X      .        .        .
    20. .        .        .        .        .        .        .        .        .  X     .        .        .
    22. .        .        .        .        .        .        .        .        .  X     .        .        .
  3 24. .        .        .        .        .        .        .        .        .   X    .        .     BANK.
    26. .        .        .        .        .        .        .       .X        .        .        .        .
    28. .        .        .        .        .        .       X .        .        .        .        .        .
    30. .        .        .        .        .      X .        .        .        .        .        .        .
    32. .        .        .        .       .X        .        .        .        .        .        .        .
    34. .        .      X .    WE  .        .        .        .        .        .        .        .        .
  4 36. .    X   .    C   .    WE  .        .        .        .        .        .        .        .        .
    38. .  X     .    C   .    WE  .        .        .        .        .        .        .        .        .
    40. . X      .    C   .    WE  .        .        .        .        .        .        .        .        .
  5 42. X        .    C   .    WE  .        .        .        .        .        .        .        .        .
    44. . X      .    C   .    WE  .        .        .        .        .        .        .        .        .
  6 46. .      X .    C   .    WE  .        .        .        .        .        .        .        .        .
    48. .      X .    C   .    WE  .        .        .        .        .        .        .        .        .
    50. .      X .    C   .    WE  .        .        .        .        .        .        .        .        .
    52. .      X .    C   .    WE  .        .        .        .        .        .        .        .        .
    54. .      X .    C   .    WE  .        .        .        .        .        .        .        .        .
```

```
 7  56. .      X .    C    .  WE    .         .         .         .         .         .         .         .         .
 8  58. .         .   XC    .  WE    .         .         .         .         .         .         .         .         .
    60. .         .        X.  WE    .         .         .         .         .         .         .         .         .
    62. .         .         .  XE    .         .         .         .         .         .         .         .         .
    64. .         .         .       X.         .         .         .         .         .         .         .         .
 9  66. .         .         .         .  X      .         .         .         .         .         .         .    BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.48        .00      66.48      23.38      58.68      35.06      58.08      42.08      58.78      46.75
      58.78      56.10      59.48      58.44      61.48      66.23
1
CROSS SECTION      1.02
STREAM  ISRT DITCH B - BEFORE RE
DISCHARGE=      134.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   58.3      59.3      60.3      61.3      62.3      63.3      64.3      65.3      66.3      67.3      68.3


    STA-FEET

 2   0. .         .         .         .         .         .         .         .  X      .         .         .         .
     2. .         .         .         .         .         .         .         .   X     .         .         .         .
     4. .         .         .         .         .         .         .         .    X    .         .         .         .
     6. .         .         .         .         .         .         .         .    X    .         .         .         .
     8. .         .         .         .         .         .         .         .     X   .         .         .         .
    10. .         .         .         .         .         .         .         .      X  .         .         .         .
    12. .         .         .         .         .         .         .         .       X.         .         .         .
    14. .         .         .         .         .         .         .         .       X.         .         .         .
    16. .         .         .         .         .         .         .         .        X         .         .         .
    18. .         .         .         .         .         .         .         .        .X        .         .         .
    20. .         .         .         .         .         .         .         .        . X       .         .         .
    22. .         .         .         .         .         .         .         .        .  X      .         .         .
    24. .         .         .         .         .         .         .         .        .  X      .         .         .
 3  26. .         .         .         .         .         .         .         .        .   X     .         .    BANK.
    28. .         .         .         .         .         .         .         . X      .         .         .         .
    30. .         .         .         .         .         .         X         .         .         .         .         .
    32. .         .         .         .         .         X         .         .         .         .         .         .
    34. .         .         .         .  X      .         .         .         .         .         .         .         .
    36. .         .         .  XE     .         .         .         .         .         .         .         .         .
 4  38. .     X   .    C    .  WE     .         .         .         .         .         .         .         .         .
    40. .   X     .    C    .  WE     .         .         .         .         .         .         .         .         .
    42. . X       .    C    .  WE     .         .         .         .         .         .         .         .         .
    44. .X        .    C    .  WE     .         .         .         .         .         .         .         .         .
 5  46. X         .    C    .  WE     .         .         .         .         .         .         .         .         .
    48. . X       .    C    .  WE     .         .         .         .         .         .         .         .         .
    50. .   X     .    C    .  WE     .         .         .         .         .         .         .         .         .
 6  52. .      X  .    C    .  WE     .         .         .         .         .         .         .         .         .
    54. .      X  .    C    .  WE     .         .         .         .         .         .         .         .         .
    56. .      X  .    C    .  WE     .         .         .         .         .         .         .         .         .
    58. .      X  .    C    .  WE     .         .         .         .         .         .         .         .         .
    60. .      X  .    C    .  WE     .         .         .         .         .         .         .         .         .
 7  62. .      X  .    C    .  WE     .         .         .         .         .         .         .         .         .
 8  64. .         .   XC    .  WE     .         .         .         .         .         .         .         .         .
    66. .         .        X.  WE     .         .         .         .         .         .         .         .         .
    68. .         .         .  XE     .         .         .         .         .         .         .         .         .
    70. .         .         .       X .         .         .         .         .         .         .         .         .
    72. .         .         .         .  X      .         .         .         .         .         .         .    BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
```

```
      65.65        .00       66.65       25.58       58.85       38.38       58.25       46.05       58.95       51.17
      58.95      61.40       59.65       63.96       61.65       72.49
1
 CROSS SECTION      1.03
 STREAM  ISRT DITCH B - BEFORE RE
 DISCHARGE=      134.


 PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

 ELEV   58.4      59.4      60.4      61.4      62.4      63.4      64.4      65.4      66.4      67.4      68.4


    STA-FEET

 2   0. .         .         .         .         .         .         .         . X       .         .         .         .
     2. .         .         .         .         .         .         .         .  X      .         .         .         .
     4. .         .         .         .         .         .         .         .  X      .         .         .         .
     6. .         .         .         .         .         .         .         .   X     .         .         .         .
     8. .         .         .         .         .         .         .         .    X    .         .         .         .
    10. .         .         .         .         .         .         .         .     X   .         .         .         .
    12. .         .         .         .         .         .         .         .     X   .         .         .         .
    14. .         .         .         .         .         .         .         .      X.         .         .         .
    16. .         .         .         .         .         .         .         .       X         .         .         .
    18. .         .         .         .         .         .         .         .       X         .         .         .
    20. .         .         .         .         .         .         .         .        .X       .         .         .
    22. .         .         .         .         .         .         .         .         . X     .         .         .
    24. .         .         .         .         .         .         .         .         .  X    .         .         .
    26. .         .         .         .         .         .         .         .         .  X    .         .         .
 3  28. .         .         .         .         .         .         .         .         .   X   .         .      BANK.
    30. .         .         .         .         .         .         .         . X       .         .         .         .
    32. .         .         .         .         .         .         . X       .         .         .         .         .
    34. .         .         .         .         .         X         .         .         .         .         .         .
    36. .         .         .         .         X.        .         .         .         .         .         .         .
    38. .         .         .         X .       .         .         .         .         .         .         .         .
    40. .         .      X  . WE      .         .         .         .         .         .         .         .         .
 4  42. .     X   .   C    . WE      .         .         .         .         .         .         .         .         .
    44. .    X    .   C    . WE      .         .         .         .         .         .         .         .         .
    46. .  X      .   C    . WE      .         .         .         .         .         .         .         .         .
    48. . X       .   C    . WE      .         .         .         .         .         .         .         .         .
 5  50. X         .   C    . WE      .         .         .         .         .         .         .         .         .
    52. .  X      .   C    . WE      .         .         .         .         .         .         .         .         .
    54. .    X    .   C    . WE      .         .         .         .         .         .         .         .         .
 6  56. .      X  .   C    . WE      .         .         .         .         .         .         .         .         .
    58. .      X  .   C    . WE      .         .         .         .         .         .         .         .         .
    60. .      X  .   C    . WE      .         .         .         .         .         .         .         .         .
    62. .      X  .   C    . WE      .         .         .         .         .         .         .         .         .
    64. .      X  .   C    . WE      .         .         .         .         .         .         .         .         .
 7  66. .      X  .   C    . WE      .         .         .         .         .         .         .         .         .
    68. .         . X C    . WE      .         .         .         .         .         .         .         .         .
 8  70. .         .   X    . WE      .         .         .         .         .         .         .         .         .
    72. .         .      X . WE      .         .         .         .         .         .         .         .         .
    74. .         .        . X       .         .         .         .         .         .         .         .         .
    76. .         .        .     X   .         .         .         .         .         .         .         .         .
 9  78. .         .        .       . X       .         .         .         .         .         .         .      BANK.

 NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.83        .00       66.83       27.79       59.03       41.69       58.42       50.03       59.13       55.58
      59.13      66.70       59.83       69.48       61.83       78.74
1
 CROSS SECTION      4.00
 STREAM  ISRT DITCH B - BEFORE RE
 DISCHARGE=      134.
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```
PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

      58.6      59.6      60.6      61.6      62.6      63.6      64.6      65.6      66.6      67.6      68.6

    STA-FEET

 2   0. .         .         .         .         .         .         .         .  X      .         .         .         .
     2. .         .         .         .         .         .         .         .   X     .         .         .         .
     4. .         .         .         .         .         .         .         .   X     .         .         .         .
     6. .         .         .         .         .         .         .         .    X    .         .         .         .
     8. .         .         .         .         .         .         .         .     X   .         .         .         .
    10. .         .         .         .         .         .         .         .     X   .         .         .         .
    12. .         .         .         .         .         .         .         .      X .         .         .         .
    14. .         .         .         .         .         .         .         .       X.         .         .         .
    16. .         .         .         .         .         .         .         .       X.         .         .         .
    18. .         .         .         .         .         .         .         .        X         .         .         .
    20. .         .         .         .         .         .         .         .        .X        .         .         .
    22. .         .         .         .         .         .         .         .        .X        .         .         .
    24. .         .         .         .         .         .         .         .        . X       .         .         .
    26. .         .         .         .         .         .         .         .        .  X      .         .         .
    28. .         .         .         .         .         .         .         .        .  X      .         .         .
 3  30. .         .         .         .         .         .         .         .        .   X     .         .      BANK.
    32. .         .         .         .         .         .         .         .  X     .         .         .         .
    34. .         .         .         .         .         .         .  X      .         .         .         .         .
    36. .         .         .         .         .         . X       .         .         .         .         .         .
    38. .         .         .         .         . X       .         .         .         .         .         .         .
    40. .         .         .         . X       .         .         .         .         .         .         .         .
    42. .         .         . X       .         .         .         .         .         .         .         .         .
    44. .         .X  C     .WE       .         .         .         .         .         .         .         .         .
 4  46. .    X    .   C     .WE       .         .         .         .         .         .         .         .         .
    48. .   X     .   C     .WE       .         .         .         .         .         .         .         .         .
    50. . X       .   C     .WE       .         .         .         .         .         .         .         .         .
    52. . X       .   C     .WE       .         .         .         .         .         .         .         .         .
 5  54. X         .   C     .WE       .         .         .         .         .         .         .         .         .
    56. . X       .   C     .WE       .         .         .         .         .         .         .         .         .
    58. .   X     .   C     .WE       .         .         .         .         .         .         .         .         .
 6  60. .     X   .   C     .WE       .         .         .         .         .         .         .         .         .
    62. .     X   .   C     .WE       .         .         .         .         .         .         .         .         .
    64. .     X   .   C     .WE       .         .         .         .         .         .         .         .         .
    66. .     X   .   C     .WE       .         .         .         .         .         .         .         .         .
    68. .     X   .   C     .WE       .         .         .         .         .         .         .         .         .
    70. .     X   .   C     .WE       .         .         .         .         .         .         .         .         .
 7  72. .     X   .   C     .WE       .         .         .         .         .         .         .         .         .
    74. .         . X C     .WE       .         .         .         .         .         .         .         .         .
 8  76. .         .   X     .WE       .         .         .         .         .         .         .         .         .
    78. .         .       X .WE       .         .         .         .         .         .         .         .         .
    80. .         .         . X       .         .         .         .         .         .         .         .         .
    82. .         .         .     X   .         .         .         .         .         .         .         .         .
 9  84. .         .         .         .   X     .         .         .         .         .         .         .      BANK.

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.00        .00      67.00      30.00      59.20      45.00      58.60      54.00      59.30      60.00
      59.30      72.00      60.00      75.00      62.00      85.00
1
CROSS SECTION      1.01
STREAM  ISRT DITCH B - BEFORE RE
DISCHARGE=      134.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV  58.8      59.8      60.8      61.8      62.8      63.8      64.8      65.8      66.8      67.8      68.8
```

```
STA-FEET

2   0. .         .         .         .         .         .         .         X .         .         .         .         .
    2. .         .         .         .         .         .         .       X   .         .         .         .         .
    4. .         .         .         .         .         .         .     X     .         .         .         .         .
    6. .         .         .         .         .         .         .   X       .         .         .         .         .
    8. .         .         .         .         .         .         . X         .         .         .         .         .
   10. .         .         .         .         .         .       .X            .         .         .         .         .
   12. .         .         .         .         .         .     X .             .         .         .         .         .
   14. .         .         .         .         .         . X                   .         .         .         .         .
   16. .         .         .         .         .       .X                      .         .         .         .         .
   18. .         .         .         .         .     X .                       .         .         .         .         .
   20. .         .         .         .         . X                             .         .         .         .         .
3  22. .         .         .         .X                                        .         .         .         .         .  BANK.
   24. .         .   X     .W                                                  .         .         .         .         .
4  26. . X     C .         .W                                                  .         .         .         .         .
   28. . X     C .         .W                                                  .         .         .         .         .
   30. . X     C .         .W                                                  .         .         .         .         .
   32. .X      C .         .W                                                  .         .         .         .         .
   34. .X      C .         .W                                                  .         .         .         .         .
   36. .X      C .         .W                                                  .         .         .         .         .
   38. .X      C .         .W                                                  .         .         .         .         .
   40. X       C .         .W                                                  .         .         .         .         .
   42. X       C .         .W                                                  .         .         .         .         .
5  44. X       C .         .W                                                  .         .         .         .         .
   46. .     X C .         .W                                                  .         .         .         .         .
   48. .       X .         .W                                                  .         .         .         .         .
6  50. .         X.        .W                                                  .         .         .         .         .  BANK.
   52. .         X.        .W                                                  .         .         .         .         .
   54. .         X.        .W                                                  .         .         .         .         .
   56. .        X .        .W                                                  .         .         .         .         .
   58. .        X .        .W                                                  .         .         .         .         .
   60. .        X .        .W                                                  .         .         .         .         .
   62. .        X .        .W                                                  .         .         .         .         .
   64. .       X  .        .W                                                  .         .         .         .         .
   66. .       X  .        .W                                                  .         .         .         .         .
   68. .       X  .        .W                                                  .         .         .         .         .
   70. .       X  .        .W                                                  .         .         .         .         .
   72. .      XC  .        .W                                                  .         .         .         .         .
   74. .      XC  .        .W                                                  .         .         .         .         .
   76. .      XC  .        .W                                                  .         .         .         .         .
   78. .      XC  .        .W                                                  .         .         .         .         .
   80. .     X C  .        .W                                                  .         .         .         .         .
   82. .     X C  .        .W                                                  .         .         .         .         .
   84. .     X C  .        .W                                                  .         .         .         .         .
   86. .     X C  .        .W                                                  .         .         .         .         .
   88. .    X  C  .        .W                                                  .         .         .         .         .
   90. .    X  C  .        .W                                                  .         .         .         .         .
   92. .    X  C  .        .W                                                  .         .         .         .         .
   94. .    X  C  .        .W                                                  .         .         .         .         .
   96. .   X   C  .        .W                                                  .         .         .         .         .
   98. .   X   C  .        .W                                                  .         .         .         .         .
  100. .   X   C  .        .W                                                  .         .         .         .         .
  102. .   X   C  .        .W                                                  .         .         .         .         .
  104. . X     C  .        .W                                                  .         .         .         .         .
  106. . X     C  .        .W                                                  .         .         .         .         .
  108. . X     C  .        .W                                                  .         .         .         .         .
  110. . X     C  .        .W                                                  .         .         .         .         .
  112. .X      C  .        .W                                                  .         .         .         .         .
  114. .X      C  .        .W                                                  .         .         .         .         .
  116. .X      C  .        .W                                                  .         .         .         .         .
  118. .X      C  .        .W                                                  .         .         .         .         .
  120. X       C  .        .W                                                  .         .         .         .         .
  122. X       C  .        .W                                                  .         .         .         .         .
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 7 124. X      C .         .W        .         .         .         .         .         .         .         .         .
   126. X      C .         .W        .         .         .         .         .         .         .         .         .
   128. .X     C .         .W        .         .         .         .         .         .         .         .         .
    30. .X     C .         .W        .         .         .         .         .         .         .         .         .
   132. . X    C .         .W        .         .         .         .         .         .         .         .         .
   134. . X    C .         .W        .         .         .         .         .         .         .         .         .
   136. .  X   C .         .W        .         .         .         .         .         .         .         .         .
   138. .  X   C .         .W        .         .         .         .         .         .         .         .         .
   140. .   X  C .         .W        .         .         .         .         .         .         .         .         .
   142. .   X  C .         .W        .         .         .         .         .         .         .         .         .
   144. .    X C .         .W        .         .         .         .         .         .         .         .         .
   146. .    X C .         .W        .         .         .         .         .         .         .         .         .
   148. .    X C .         .W        .         .         .         .         .         .         .         .         .
   150. .     XC .         .W        .         .         .         .         .         .         .         .         .
   152. .     XC .         .W        .         .         .         .         .         .         .         .         .
 8 154. .      X .         .W        .         .         .         .         .         .         .         .         .
   156. .         X        .W        .         .         .         .         .         .         .         .         .
   158. .         .  X     .W        .         .         .         .         .         .         .         .         .
   160. .         .     X  .W        .         .         .         .         .         .         .         .         .
   162. .         .        XW        .         .         .         .         .         .         .         .         .
   164. .         .        .  X      .         .         .         .         .         .         .         .         .
 9 166. .         .        .     X   .         .         .         .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.47        .00       61.88       22.16       58.97       25.85       58.77       44.31       59.67       49.24
      58.77     123.10       59.47      153.87       61.47      166.18
1
 CROSS SECTION      1.02
 STREAM  ISRT DITCH B - BEFORE RE
 DISCHARGE=      134.

 PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

 ELEV   58.9      59.9      60.9      61.9      62.9      63.9      64.9      65.9      66.9      67.9      68.9


    STA-FEET

 2   0. .         .         .         .         .         .         .     X   .         .         .         .         .
     2. .         .         .         .         .         .         .   X     .         .         .         .         .
     4. .         .         .         .         .         .         X         .         .         .         .         .
     6. .         .         .         .         .         .       X   .         .         .         .         .         .
     8. .         .         .         .         .         .     X           .         .         .         .         .
    10. .         .         .         .         .         X           .         .         .         .         .         .
    12. .         .         .         .         .       X   .         .         .         .         .         .         .
    14. .         .         .         .         .     X     .         .         .         .         .         .         .
    16. .         .         .         .       X.          .         .         .         .         .         .         .
    18. .         .         .         .     X   .         .         .         .         .         .         .         .
 3  20. .         .         .        .X         .         .         .         .         .         .         .      BANK.
    22. .         .   X    W.         .         .         .         .         .         .         .         .         .
 4  24. . X    C .         W.         .         .         .         .         .         .         .         .         .
    26. . X    C .         W.         .         .         .         .         .         .         .         .         .
    28. . X    C .         W.         .         .         .         .         .         .         .         .         .
    30. .X     C .         W.         .         .         .         .         .         .         .         .         .
    32. .X     C .         W.         .         .         .         .         .         .         .         .         .
    34. .X     C .         W.         .         .         .         .         .         .         .         .         .
    36. .X     C .         W.         .         .         .         .         .         .         .         .         .
    38. X      C .         W.         .         .         .         .         .         .         .         .         .
    40. X      C .         W.         .         .         .         .         .         .         .         .         .
    42. X      C .         W.         .         .         .         .         .         .         .         .         .
    44. .   X  C .         W.         .         .         .         .         .         .         .         .         .
 6  46. .       X.         W.         .         .         .         .         .         .         .         .      BANK.
    48. .       X.         W.         .         .         .         .         .         .         .         .         .
```

```
   50. .       X .        W.         .         .         .         .         .         .         .         .         .
   52. .       X .        W.         .         .         .         .         .         .         .         .         .
   54. .       X .        W.         .         .         .         .         .         .         .         .         .
   56. .       X .        W.         .         .         .         .         .         .         .         .         .
   58. .      X  .        W.         .         .         .         .         .         .         .         .         .
   60. .      X  .        W.         .         .         .         .         .         .         .         .         .
   62. .      X  .        W.         .         .         .         .         .         .         .         .         .
   64. .      X  .        W.         .         .         .         .         .         .         .         .         .
   66. .     XC  .        W.         .         .         .         .         .         .         .         .         .
   68. .     XC  .        W.         .         .         .         .         .         .         .         .         .
   70. .     XC  .        W.         .         .         .         .         .         .         .         .         .
   72. .     XC  .        W.         .         .         .         .         .         .         .         .         .
   74. .    X C  .        W.         .         .         .         .         .         .         .         .         .
   76. .    X C  .        W.         .         .         .         .         .         .         .         .         .
   78. .    X C  .        W.         .         .         .         .         .         .         .         .         .
   80. .    X C  .        W.         .         .         .         .         .         .         .         .         .
   82. .   X  C  .        W.         .         .         .         .         .         .         .         .         .
   84. .   X  C  .        W.         .         .         .         .         .         .         .         .         .
   86. .   X  C  .        W.         .         .         .         .         .         .         .         .         .
   88. .   X  C  .        W.         .         .         .         .         .         .         .         .         .
   90. .  X   C  .        W.         .         .         .         .         .         .         .         .         .
   92. .  X   C  .        W.         .         .         .         .         .         .         .         .         .
   94. .  X   C  .        W.         .         .         .         .         .         .         .         .         .
   96. .  X   C  .        W.         .         .         .         .         .         .         .         .         .
   98. . X    C  .        W.         .         .         .         .         .         .         .         .         .
  100. . X    C  .        W.         .         .         .         .         .         .         .         .         .
  102. . X    C  .        W.         .         .         .         .         .         .         .         .         .
  104. .X     C  .        W.         .         .         .         .         .         .         .         .         .
  106. .X     C  .        W.         .         .         .         .         .         .         .         .         .
  108. .X     C  .        W.         .         .         .         .         .         .         .         .         .
  110. .X     C  .        W.         .         .         .         .         .         .         .         .         .
  112. X      C  .        W.         .         .         .         .         .         .         .         .         .
  114. X      C  .        W.         .         .         .         .         .         .         .         .         .
7 116. X      C  .        W.         .         .         .         .         .         .         .         .         .
  118. X      C  .        W.         .         .         .         .         .         .         .         .         .
  120. .X     C  .        W.         .         .         .         .         .         .         .         .         .
  122. .X     C  .        W.         .         .         .         .         .         .         .         .         .
  124. . X    C  .        W.         .         .         .         .         .         .         .         .         .
  126. . X    C  .        W.         .         .         .         .         .         .         .         .         .
  128. .  X   C  .        W.         .         .         .         .         .         .         .         .         .
  130. .  X   C  .        W.         .         .         .         .         .         .         .         .         .
  132. .   X  C  .        W.         .         .         .         .         .         .         .         .         .
  134. .   X  C  .        W.         .         .         .         .         .         .         .         .         .
  136. .    X C  .        W.         .         .         .         .         .         .         .         .         .
  138. .    X C  .        W.         .         .         .         .         .         .         .         .         .
  140. .     XC  .        W.         .         .         .         .         .         .         .         .         .
  142. .     XC  .        W.         .         .         .         .         .         .         .         .         .
8 144. .      X  .        W.         .         .         .         .         .         .         .         .         .
  146. .         X        W.         .         .         .         .         .         .         .         .         .
  148. .         .   X    W.         .         .         .         .         .         .         .         .         .
  150. .         .     X W.         .         .         .         .         .         .         .         .         .
  152. .         .        .X        .         .         .         .         .         .         .         .         .
  154. .         .         .   X    .         .         .         .         .         .         .         .         .
9 156. .         .         .     X  .         .         .         .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.65        .00       62.05       20.77       59.15       24.23       58.95       41.54       59.85       46.16
      58.95     115.40       59.65      144.25       61.65      155.79
1
 CROSS SECTION      1.03
 STREAM  ISRT DITCH B - BEFORE RE
 DISCHARGE=      134.
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PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
      59.1      60.1      61.1      62.1      63.1      64.1      65.1      66.1      67.1      68.1      69.1

STA-FEET

2   0. .        .         .         .         .         .         .         X .       .         .         .         .
    2. .        .         .         .         .         .         . X       .         .         .         .         .
    4. .        .         .         .         .         .         X         .         .         .         .         .
    6. .        .         .         .         .         .       X           .         .         .         .         .
    8. .        .         .         .         .         . X               .         .         .         .         .
   10. .        .         .         .         .       X .                 .         .         .         .         .
   12. .        .         .         .         .     X                     .         .         .         .         .
   14. .        .         .         .       .X                            .         .         .         .         .
   16. .        .         .         .     X .                             .         .         .         .         .
   18. .        .         .         . X                                   .         .         .         .         .
3  20. .        .         .        .X                                     .         .         .         .         .  BANK.
4  22. . X    C .       W .         .                                     .         .         .         .         .
   24. . X    C .       W .         .                                     .         .         .         .         .
   26. . X    C .       W .         .                                     .         .         .         .         .
   28. .X     C .       W .         .                                     .         .         .         .         .
   30. .X     C .       W .         .                                     .         .         .         .         .
   32. .X     C .       W .         .                                     .         .         .         .         .
   34. .X     C .       W .         .                                     .         .         .         .         .
   36. X      C .       W .         .                                     .         .         .         .         .
5  38. X      C .       W .         .                                     .         .         .         .         .
   40. .    X C .       W .         .                                     .         .         .         .         .
   42. .      X .       W .         .                                     .         .         .         .         .
6  44. .       X.       W .         .                                     .         .         .         .         .  BANK.
   46. .       X.       W .         .                                     .         .         .         .         .
   48. .      X .       W .         .                                     .         .         .         .         .
   0. .       X .       W .         .                                     .         .         .         .         .
   52. .      X .       W .         .                                     .         .         .         .         .
   54. .      X .       W .         .                                     .         .         .         .         .
   56. .     X  .       W .         .                                     .         .         .         .         .
   58. .     X  .       W .         .                                     .         .         .         .         .
   60. .     X  .       W .         .                                     .         .         .         .         .
   62. .    XC  .       W .         .                                     .         .         .         .         .
   64. .    XC  .       W .         .                                     .         .         .         .         .
   66. .    XC  .       W .         .                                     .         .         .         .         .
   68. .    XC  .       W .         .                                     .         .         .         .         .
   70. .   X C  .       W .         .                                     .         .         .         .         .
   72. .   X C  .       W .         .                                     .         .         .         .         .
   74. .   X C  .       W .         .                                     .         .         .         .         .
   76. .   X C  .       W .         .                                     .         .         .         .         .
   78. .  X  C  .       W .         .                                     .         .         .         .         .
   80. .  X  C  .       W .         .                                     .         .         .         .         .
   82. .  X  C  .       W .         .                                     .         .         .         .         .
   84. . X   C  .       W .         .                                     .         .         .         .         .
   86. . X   C  .       W .         .                                     .         .         .         .         .
   88. . X   C  .       W .         .                                     .         .         .         .         .
   90. . X   C  .       W .         .                                     .         .         .         .         .
   92. . X   C  .       W .         .                                     .         .         .         .         .
   94. . X   C  .       W .         .                                     .         .         .         .         .
   96. . X   C  .       W .         .                                     .         .         .         .         .
   98. .X    C  .       W .         .                                     .         .         .         .         .
  100. .X    C  .       W .         .                                     .         .         .         .         .
  102. .X    C  .       W .         .                                     .         .         .         .         .
  104. .X    C  .       W .         .                                     .         .         .         .         .
  106. X     C  .       W .         .                                     .         .         .         .         .
    8. X     C  .       W .         .                                     .         .         .         .         .
   10. .X    C  .       W .         .                                     .         .         .         .         .
  112. .X    C  .       W .         .                                     .         .         .         .         .
  114. . X   C  .       W .         .                                     .         .         .         .         .
  116. . X   C  .       W .         .                                     .         .         .         .         .
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    118. .  X   C  .      W  .        .        .        .        .        .        .        .        .        .
    120. .  X   C  .      W  .        .        .        .        .        .        .        .        .        .
    122. .   X  C  .      W  .        .        .        .        .        .        .        .        .        .
    124. .   X  C  .      W  .        .        .        .        .        .        .        .        .        .
    126. .    X C  .      W  .        .        .        .        .        .        .        .        .        .
    128. .    X C  .      W  .        .        .        .        .        .        .        .        .        .
    130. .     XC  .      W  .        .        .        .        .        .        .        .        .        .
    132. .     XC  .      W  .        .        .        .        .        .        .        .        .        .
  8 134. .      X  .      W  .        .        .        .        .        .        .        .        .        .
    136. .         .X     W  .        .        .        .        .        .        .        .        .        .
    138. .         .   X  W  .        .        .        .        .        .        .        .        .        .
    140. .         .      X  .        .        .        .        .        .        .        .        .        .
    142. .         .         . X      .        .        .        .        .        .        .        .        .
    144. .         .         .    X   .        .        .        .        .        .        .        .        .
  9 146. .         .         .     X  .        .        .        .        .        .        .        .        .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.83        .00      62.22      19.39      59.32      22.62      59.12      38.77      60.02      43.08
      59.12     107.70      59.82     134.62      61.82     145.39
1
 CROSS SECTION      3.00
 STREAM  ISRT DITCH B - BEFORE RE
 DISCHARGE=      134.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   59.3      60.3      61.3      62.3      63.3      64.3      65.3      66.3      67.3      68.3      69.3


    STA-FEET

  2   0. .        .        .        .        .        .        .     X  .        .        .        .        .
      2. .        .        .        .        .        .        .  X     .        .        .        .        .
      4. .        .        .        .        .        .     X.        .        .        .        .        .
      6. .        .        .        .        .        .  X     .        .        .        .        .        .
      8. .        .        .        .        .     .X        .        .        .        .        .        .
     10. .        .        .        .        .  X  .        .        .        .        .        .        .
     12. .        .        .        .     .  X     .        .        .        .        .        .        .
     14. .        .        .        .  X.        .        .        .        .        .        .        .
     16. .        .        .     .  X     .        .        .        .        .        .        .        .
  3  18. .        .        .     .X        .        .        .        .        .        .        .    BANK.
  4  20. . X     C.     W  .        .        .        .        .        .        .        .        .        .
     22. . X     C.     W  .        .        .        .        .        .        .        .        .        .
     24. .X      C.     W  .        .        .        .        .        .        .        .        .        .
     26. .X      C.     W  .        .        .        .        .        .        .        .        .        .
     28. .X      C.     W  .        .        .        .        .        .        .        .        .        .
     30. .X      C.     W  .        .        .        .        .        .        .        .        .        .
     32. X       C.     W  .        .        .        .        .        .        .        .        .        .
     34. X       C.     W  .        .        .        .        .        .        .        .        .        .
  5  36. X       C.     W  .        .        .        .        .        .        .        .        .        .
     38. .    X  C.     W  .        .        .        .        .        .        .        .        .        .
  6  40. .       X.     W  .        .        .        .        .        .        .        .        .    BANK.
     42. .       X.     W  .        .        .        .        .        .        .        .        .        .
     44. .      XC.     W  .        .        .        .        .        .        .        .        .        .
     46. .      XC.     W  .        .        .        .        .        .        .        .        .        .
     48. .      XC.     W  .        .        .        .        .        .        .        .        .        .
     50. .      XC.     W  .        .        .        .        .        .        .        .        .        .
     52. .     X C.     W  .        .        .        .        .        .        .        .        .        .
     54. .     X C.     W  .        .        .        .        .        .        .        .        .        .
     56. .     X C.     W  .        .        .        .        .        .        .        .        .        .
     58. .    X  C.     W  .        .        .        .        .        .        .        .        .        .
     60. .    X  C.     W  .        .        .        .        .        .        .        .        .        .
     62. .    X  C.     W  .        .        .        .        .        .        .        .        .        .
```

```
    64. .    X  C.    W  .         .         .         .         .         .         .         .         .         .
    66. .    X  C.    W  .         .         .         .         .         .         .         .         .         .
    68. .    X  C.    W  .         .         .         .         .         .         .         .         .         .
    70. .    X  C.    W  .         .         .         .         .         .         .         .         .         .
    72. .   X   C.    W  .         .         .         .         .         .         .         .         .         .
    74. .   X   C.    W  .         .         .         .         .         .         .         .         .         .
    76. .   X   C.    W  .         .         .         .         .         .         .         .         .         .
    78. .  X    C.    W  .         .         .         .         .         .         .         .         .         .
    80. .  X    C.    W  .         .         .         .         .         .         .         .         .         .
    82. .  X    C.    W  .         .         .         .         .         .         .         .         .         .
    84. . X     C.    W  .         .         .         .         .         .         .         .         .         .
    86. . X     C.    W  .         .         .         .         .         .         .         .         .         .
    88. . X     C.    W  .         .         .         .         .         .         .         .         .         .
    90. . X     C.    W  .         .         .         .         .         .         .         .         .         .
    92. .X      C.    W  .         .         .         .         .         .         .         .         .         .
    94. .X      C.    W  .         .         .         .         .         .         .         .         .         .
    96. .X      C.    W  .         .         .         .         .         .         .         .         .         .
    98. X       C.    W  .         .         .         .         .         .         .         .         .         .
  7 100. X      C.    W  .         .         .         .         .         .         .         .         .         .
   102. .X      C.    W  .         .         .         .         .         .         .         .         .         .
   104. .X      C.    W  .         .         .         .         .         .         .         .         .         .
   106. . X     C.    W  .         .         .         .         .         .         .         .         .         .
   108. . X     C.    W  .         .         .         .         .         .         .         .         .         .
   110. .  X    C.    W  .         .         .         .         .         .         .         .         .         .
   112. .  X    C.    W  .         .         .         .         .         .         .         .         .         .
   114. .   X   C.    W  .         .         .         .         .         .         .         .         .         .
   116. .   X   C.    W  .         .         .         .         .         .         .         .         .         .
   118. .    X  C.    W  .         .         .         .         .         .         .         .         .         .
   120. .     X C.    W  .         .         .         .         .         .         .         .         .         .
   122. .     X C.    W  .         .         .         .         .         .         .         .         .         .
  8 124. .      X C.    W  .         .         .         .         .         .         .         .         .         .
   126. .         .X   W  .         .         .         .         .         .         .         .         .         .
    ?8. .         .   XW  .         .         .         .         .         .         .         .         .         .
    30. .         .       X.        .         .         .         .         .         .         .         .         .
   132. .         .        . X      .         .         .         .         .         .         .         .         .
   134. .         .        .     X  .         .         .         .         .         .         .         .         .
  9 136. .         .        .     X  .         .         .         .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.00        .00      62.40      18.00      59.50      21.00      59.30      36.00      60.20      40.00
      59.30     100.00      60.00     125.00      62.00     135.00
1
 CROSS SECTION      1.01
 STREAM  ISRT DITCH B - BEFORE RE
 DISCHARGE=      134.


 PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

 ELEV   59.2      60.2      61.2      62.2      63.2      64.3      65.3      66.3      67.3      68.3      69.3


    STA-FEET

  2   0. .        .         .         .         .         .         .         X.        .         .         .         .
      2. .        .         .         .         .         .         .      X  .         .         .         .         .
      4. .        .         .         .         .         .         .    X    .         .         .         .         .
      6. .        .         .         .         .         .         . X      .         .         .         .         .
      8. .        .         .         .         .         .       X.         .         .         .         .         .
     10. .        .         .         .         .         .     X  .         .         .         .         .         .
     12. .        .         .         .         .         .   X    .         .         .         .         .         .
     14. .        .         .         .         .         . X      .         .         .         .         .         .
  3  16. .        .         .         .         .       X.         .         .         .         .         .         .
     18. .        .         .         .         .   X    .         .         .         .         .         .         .
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```
   20. .        .        .        .       X        .        .        .        .        .        .        .
   22. .        .        .        .     X  .        .        .        .        .        .        .        .
4  24. .        .        .        . X      .        .        .        .        .        .        .     BANK.
   26. .        .        .   X    .        .        .        .        .        .        .        .        .
   28. .        .    XWE .        .        .        .        .        .        .        .        .        .
5  30. .    X   . C  WE .        .        .        .        .        .        .        .        .        .
   32. .   X    . C  WE .        .        .        .        .        .        .        .        .        .
   34. .  X     . C  WE .        .        .        .        .        .        .        .        .        .
   36. . X      . C  WE .        .        .        .        .        .        .        .        .        .
   38. . X      . C  WE .        .        .        .        .        .        .        .        .        .
   40. .X       . C  WE .        .        .        .        .        .        .        .        .        .
6  42. X        . C  WE .        .        .        .        .        .        .        .        .        .
   44. .       X C  WE .        .        .        .        .        .        .        .        .        .
7  46. .        .       X.        .        .        .        .        .        .        .        .     BANK.
   48. .        .       X.        .        .        .        .        .        .        .        .        .
   50. .        .      X .        .        .        .        .        .        .        .        .        .
   52. .        .      X .        .        .        .        .        .        .        .        .        .
   54. .        .      X .        .        .        .        .        .        .        .        .        .
   56. .        .     X  .        .        .        .        .        .        .        .        .        .
   58. .        .     X  .        .        .        .        .        .        .        .        .        .
   60. .        .     X  .        .        .        .        .        .        .        .        .        .
   62. .        .    XE  .        .        .        .        .        .        .        .        .        .
   64. .        .    XE  .        .        .        .        .        .        .        .        .        .
   66. .        .    XE  .        .        .        .        .        .        .        .        .        .
   68. .        .   XWE  .        .        .        .        .        .        .        .        .        .
   70. .        .   XWE  .        .        .        .        .        .        .        .        .        .
   72. .        .   XWE  .        .        .        .        .        .        .        .        .        .
   74. .        .  X WE  .        .        .        .        .        .        .        .        .        .
   76. .        .  X WE  .        .        .        .        .        .        .        .        .        .
   78. .        .  X WE  .        .        .        .        .        .        .        .        .        .
   80. .        . X  WE  .        .        .        .        .        .        .        .        .        .
   82. .        . X  WE  .        .        .        .        .        .        .        .        .        .
   84. .        . X  WE  .        .        .        .        .        .        .        .        .        .
   86. .        . X  WE  .        .        .        .        .        .        .        .        .        .
   88. .        .X   WE  .        .        .        .        .        .        .        .        .        .
   90. .        .X   WE  .        .        .        .        .        .        .        .        .        .
   92. .        .X   WE  .        .        .        .        .        .        .        .        .        .
   94. .        .XC  WE  .        .        .        .        .        .        .        .        .        .
   96. .        .XC  WE  .        .        .        .        .        .        .        .        .        .
   98. .        .XC  WE  .        .        .        .        .        .        .        .        .        .
  100. .        X C  WE  .        .        .        .        .        .        .        .        .        .
  102. .        X C  WE  .        .        .        .        .        .        .        .        .        .
  104. .        X C  WE  .        .        .        .        .        .        .        .        .        .
  106. .       X. C  WE  .        .        .        .        .        .        .        .        .        .
8 108. .       X. C  WE  .        .        .        .        .        .        .        .        .        .
  110. .       X. C  WE  .        .        .        .        .        .        .        .        .        .
  112. .      X . C  WE  .        .        .        .        .        .        .        .        .        .
  114. .      X . C  WE  .        .        .        .        .        .        .        .        .        .
  116. .      X . C  WE  .        .        .        .        .        .        .        .        .        .
  118. .     X  . C  WE  .        .        .        .        .        .        .        .        .        .
  120. .     X  . C  WE  .        .        .        .        .        .        .        .        .        .
  122. .     X  . C  WE  .        .        .        .        .        .        .        .        .        .
  124. .    X   . C  WE  .        .        .        .        .        .        .        .        .        .
  126. .    X   . C  WE  .        .        .        .        .        .        .        .        .        .
  128. .    X   . C  WE  .        .        .        .        .        .        .        .        .        .
  130. .    X   . C  WE  .        .        .        .        .        .        .        .        .        .
  132. .   X    . C  WE  .        .        .        .        .        .        .        .        .        .
  134. .   X    . C  WE  .        .        .        .        .        .        .        .        .        .
  136. .   X    . C  WE  .        .        .        .        .        .        .        .        .        .
  138. .  X     . C  WE  .        .        .        .        .        .        .        .        .        .
  140. .  X     . C  WE  .        .        .        .        .        .        .        .        .        .
  142. .  X     . C  WE  .        .        .        .        .        .        .        .        .        .
  144. . X      . C  WE  .        .        .        .        .        .        .        .        .        .
  146. . X      . C  WE  .        .        .        .        .        .        .        .        .        .
  148. . X      . C  WE  .        .        .        .        .        .        .        .        .        .
  150. . X      . C  WE  .        .        .        .        .        .        .        .        .        .
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9 152. . X       . C   WE .         .         .         .         .         .         .         .         .
  154. . X       . C   WE .         .         .         .         .         .         .         .         .
  156. . X       . C   WE .         .         .         .         .         .         .         .         .
   58. .  X      . C   WE .         .         .         .         .         .         .         .         .
  160. .  X      . C   WE .         .         .         .         .         .         .         .         .
  162. .  X      . C   WE .         .         .         .         .         .         .         .         .
  164. .  X      . C   WE .         .         .         .         .         .         .         .         .
  166. .  X      . C   WE .         .         .         .         .         .         .         .         .
  168. .   X     . C   WE .         .         .         .         .         .         .         .         .
  170. .   X     . C   WE .         .         .         .         .         .         .         .         .
  172. .   X     . C   WE .         .         .         .         .         .         .         .         .
  174. .   X     . C   WE .         .         .         .         .         .         .         .         .
  176. .    X    . C   WE .         .         .         .         .         .         .         .         .
  178. .    X    . C   WE .         .         .         .         .         .         .         .         .
  180. .    X    . C   WE .         .         .         .         .         .         .         .         .
  182. .    X    . C   WE .         .         .         .         .         .         .         .         .
  184. .    X    . C   WE .         .         .         .         .         .         .         .         .
  186. .     X   . C   WE .         .         .         .         .         .         .         .         .
  188. .     X   . C   WE .         .         .         .         .         .         .         .         .
  190. .     X   . C   WE .         .         .         .         .         .         .         .         .
  192. .     X   . C   WE .         .         .         .         .         .         .         .         .
  194. .     X   . C   WE .         .         .         .         .         .         .         .         .
  196. .      X  . C   WE .         .         .         .         .         .         .         .         .
  198. .      X  . C   WE .         .         .         .         .         .         .         .         .
  200. .      X  . C   WE .         .         .         .         .         .         .         .         .
  202. .      X  . C   WE .         .         .         .         .         .         .         .         .
  204. .       X . C   WE .         .         .         .         .         .         .         .         .
  206. .       X . C   WE .         .         .         .         .         .         .         .         .
  208. .       X . C   WE .         .         .         .         .         .         .         .         .
  210. .       X . C   WE .         .         .         .         .         .         .         .         .
  212. .       X . C   WE .         .         .         .         .         .         .         .         .
  214. .        X. C   WE .         .         .         .         .         .         .         .         .
   16. .        X. C   WE .         .         .         .         .         .         .         .         .
  218. .        X. C   WE .         .         .         .         .         .         .         .         .
  220. .         X C   WE .         .         .         .         .         .         .         .         .
  222. .         X C   WE .         .         .         .         .         .         .         .         .
  224. .         .XC   WE .         .         .         .         .         .         .         .         .
  226. .         .XC   WE .         .         .         .         .         .         .         .         .
  228. .         . X   WE .         .         .         .         .         .         .         .         .
  230. .         . X   WE .         .         .         .         .         .         .         .         .
  232. .         .  X  WE .         .         .         .         .         .         .         .         .
  234. .         .  X  WE .         .         .         .         .         .         .         .         .
  236. .         .   X WE .         .         .         .         .         .         .         .         .
  238. .         .   X WE .         .         .         .         .         .         .         .         .
  240. .         .    XWE .         .         .         .         .         .         .         .         .
  242. .         .    XWE .         .         .         .         .         .         .         .         .
  244. .         .     XE .         .         .         .         .         .         .         .         .
  246. .         .      X .         .         .         .         .         .         .         .         .
  248. .         .      X .         .         .         .         .         .         .         .         .
  250. .         .       X .        .         .         .         .         .         .         .         .
  252. .         .       X .        .         .         .         .         .         .         .         .
  254. .         .        X.        .         .         .         .         .         .         .         .
  256. .         .        X.        .         .         .         .         .         .         .         .
  258. .         .         X        .         .         .         .         .         .         .         .
  260. .         .         X        .         .         .         .         .         .         .         .
  262. .         .         .X       .         .         .         .         .         .         .         .
  264. .         .         .X       .         .         .         .         .         .         .         .
  266. .         .         . X      .         .         .         .         .         .         .         .
  268. .         .         .  X     .         .         .         .         .         .         .         .
  270. .         .         .  X     .         .         .         .         .         .         .         .
  272. .         .         .   X    .         .         .         .         .         .         .         .
   74. .         .         .   X    .         .         .         .         .         .         .         .
  276. .         .         .    X   .         .         .         .         .         .         .         .
  278. .         .         .    X   .         .         .         .         .         .         .         .
  280. .         .         .     X  .         .         .         .         .         .         .         .
  282. .         .         .     X  .         .         .         .         .         .         .         .
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   284. .         .         .      X .         .         .         .         .         .         .         .         .
   286. .         .         .      X .         .         .         .         .         .         .         .         .
   288. .         .         .       X .         .         .         .         .         .         .         .         .
   290. .         .         .       X .         .         .         .         .         .         .         .         .
11 292. .         .         .        X.         .         .         .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.15        .00      64.15      16.05      62.45      23.45      59.85      29.62      59.25      41.97
      61.15      45.67      60.15     107.38      59.45     151.82      60.15     217.24      62.15     291.30
1
CROSS SECTION      1.02
STREAM  ISRT DITCH B - BEFORE RE
DISCHARGE=      134.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   59.2      60.2      61.2      62.2      63.2      64.2      65.2      66.2      67.2      68.2      69.2


   STA-FEET

 2   0. .         .         .         .         .         .         .         X.        .         .         .         .
     2. .         .         .         .         .         .         .       X .         .         .         .         .
     4. .         .         .         .         .         .         .     X   .         .         .         .         .
     6. .         .         .         .         .         .         .X        .         .         .         .         .
     8. .         .         .         .         .         .       X .         .         .         .         .         .
    10. .         .         .         .         .         .     X   .         .         .         .         .         .
    12. .         .         .         .         .         . X       .         .         .         .         .         .
    14. .         .         .         .         .         X         .         .         .         .         .         .
 3  16. .         .         .         .         .         X.        .         .         .         .         .         .
    18. .         .         .         .         . X       .         .         .         .         .         .         .
    20. .         .         .         .         X.        .         .         .         .         .         .         .
 4  22. .         .         .         . X       .         .         .         .         .         .         .      BANK.
    24. .         .         . X       .         .         .         .         .         .         .         .         .
    26. .         . X  W    .         .         .         .         .         .         .         .         .         .
 5  28. .     X   . C  W    .         .         .         .         .         .         .         .         .         .
    30. .    X    . C  W    .         .         .         .         .         .         .         .         .         .
    32. .   X     . C  W    .         .         .         .         .         .         .         .         .         .
    34. . X       . C  W    .         .         .         .         .         .         .         .         .         .
    36. . X       . C  W    .         .         .         .         .         .         .         .         .         .
    38. .X        . C  W    .         .         .         .         .         .         .         .         .         .
 6  40. X         . C  W    .         .         .         .         .         .         .         .         .         .
 7  42. .         .       X.         .         .         .         .         .         .         .         .      BANK.
    44. .         .       X.         .         .         .         .         .         .         .         .         .
    46. .         .      X .         .         .         .         .         .         .         .         .         .
    48. .         .      X .         .         .         .         .         .         .         .         .         .
    50. .         .      X .         .         .         .         .         .         .         .         .         .
    52. .         .     X  .         .         .         .         .         .         .         .         .         .
    54. .         .     X  .         .         .         .         .         .         .         .         .         .
    56. .         .     X  .         .         .         .         .         .         .         .         .         .
    58. .         .    XW  .         .         .         .         .         .         .         .         .         .
    60. .         .    XW  .         .         .         .         .         .         .         .         .         .
    62. .         .    XW  .         .         .         .         .         .         .         .         .         .
    64. .         .   X W  .         .         .         .         .         .         .         .         .         .
    66. .         .   X W  .         .         .         .         .         .         .         .         .         .
    68. .         .   X W  .         .         .         .         .         .         .         .         .         .
    70. .         . X  W   .         .         .         .         .         .         .         .         .         .
    72. .         . X  W   .         .         .         .         .         .         .         .         .         .
    74. .         . XC  W  .         .         .         .         .         .         .         .         .         .
    76. .         . XC  W  .         .         .         .         .         .         .         .         .         .
    78. .         . XC  W  .         .         .         .         .         .         .         .         .         .
    80. .         . X C  W .         .         .         .         .         .         .         .         .         .
    82. .         . X C  W .         .         .         .         .         .         .         .         .         .
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   84. .        . X C  W .        .        .        .        .        .        .        .        .
   86. .        .X  C  W .        .        .        .        .        .        .        .        .
   88. .        .X  C  W .        .        .        .        .        .        .        .        .
   90. .        .X  C  W .        .        .        .        .        .        .        .        .
   92. .        X   C  W .        .        .        .        .        .        .        .        .
   94. .        X   C  W .        .        .        .        .        .        .        .        .
   96. .        X   C  W .        .        .        .        .        .        .        .        .
   98. .       X.   C  W .        .        .        .        .        .        .        .        .
 8 100. .       X.   C  W .        .        .        .        .        .        .        .        .
  102. .       X.   C  W .        .        .        .        .        .        .        .        .
  104. .      X .   C  W .        .        .        .        .        .        .        .        .
  106. .      X .   C  W .        .        .        .        .        .        .        .        .
  108. .      X .   C  W .        .        .        .        .        .        .        .        .
  110. .     X  .   C  W .        .        .        .        .        .        .        .        .
  112. .     X  .   C  W .        .        .        .        .        .        .        .        .
  114. .     X  .   C  W .        .        .        .        .        .        .        .        .
  116. .    X   .   C  W .        .        .        .        .        .        .        .        .
  118. .    X   .   C  W .        .        .        .        .        .        .        .        .
  120. .    X   .   C  W .        .        .        .        .        .        .        .        .
  122. .   X    .   C  W .        .        .        .        .        .        .        .        .
  124. .   X    .   C  W .        .        .        .        .        .        .        .        .
  126. .   X    .   C  W .        .        .        .        .        .        .        .        .
  128. .  X     .   C  W .        .        .        .        .        .        .        .        .
  130. .  X     .   C  W .        .        .        .        .        .        .        .        .
  132. .  X     .   C  W .        .        .        .        .        .        .        .        .
  134. . X      .   C  W .        .        .        .        .        .        .        .        .
  136. . X      .   C  W .        .        .        .        .        .        .        .        .
  138. . X      .   C  W .        .        .        .        .        .        .        .        .
  140. . X      .   C  W .        .        .        .        .        .        .        .        .
 9 142. . X      .   C  W .        .        .        .        .        .        .        .        .
  144. . X      .   C  W .        .        .        .        .        .        .        .        .
  146. . X      .   C  W .        .        .        .        .        .        .        .        .
  148. . X      .   C  W .        .        .        .        .        .        .        .        .
  150. . X      .   C  W .        .        .        .        .        .        .        .        .
  152. . X      .   C  W .        .        .        .        .        .        .        .        .
  154. . X      .   C  W .        .        .        .        .        .        .        .        .
  156. .  X     .   C  W .        .        .        .        .        .        .        .        .
  158. .  X     .   C  W .        .        .        .        .        .        .        .        .
  160. .  X     .   C  W .        .        .        .        .        .        .        .        .
  162. .  X     .   C  W .        .        .        .        .        .        .        .        .
  164. .   X    .   C  W .        .        .        .        .        .        .        .        .
  166. .   X    .   C  W .        .        .        .        .        .        .        .        .
  168. .   X    .   C  W .        .        .        .        .        .        .        .        .
  170. .   X    .   C  W .        .        .        .        .        .        .        .        .
  172. .   X    .   C  W .        .        .        .        .        .        .        .        .
  174. .    X   .   C  W .        .        .        .        .        .        .        .        .
  176. .    X   .   C  W .        .        .        .        .        .        .        .        .
  178. .    X   .   C  W .        .        .        .        .        .        .        .        .
  180. .    X   .   C  W .        .        .        .        .        .        .        .        .
  182. .     X  .   C  W .        .        .        .        .        .        .        .        .
  184. .     X  .   C  W .        .        .        .        .        .        .        .        .
  186. .     X  .   C  W .        .        .        .        .        .        .        .        .
  188. .     X  .   C  W .        .        .        .        .        .        .        .        .
  190. .     X  .   C  W .        .        .        .        .        .        .        .        .
  192. .      X .   C  W .        .        .        .        .        .        .        .        .
  194. .      X .   C  W .        .        .        .        .        .        .        .        .
  196. .      X .   C  W .        .        .        .        .        .        .        .        .
  198. .      X .   C  W .        .        .        .        .        .        .        .        .
  200. .       X.   C  W .        .        .        .        .        .        .        .        .
  202. .       X.   C  W .        .        .        .        .        .        .        .        .
10 204. .       X.   C  W .        .        .        .        .        .        .        .        .
  206. .        X   C  W .        .        .        .        .        .        .        .        .
  208. .        X   C  W .        .        .        .        .        .        .        .        .
  210. .        .X  C  W .        .        .        .        .        .        .        .        .
  212. .        .X  C  W .        .        .        .        .        .        .        .        .
  214. .        . X C  W .        .        .        .        .        .        .        .        .
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   216. .        . X C  W  .        .        .        .        .        .        .        .        .
   218. .        .  XC  W  .        .        .        .        .        .        .        .        .
   220. .        .   X  W  .        .        .        .        .        .        .        .        .
   222. .        .   X  W  .        .        .        .        .        .        .        .        .
   224. .        .    X W  .        .        .        .        .        .        .        .        .
   226. .        .    X W  .        .        .        .        .        .        .        .        .
   228. .        .     XW  .        .        .        .        .        .        .        .        .
   230. .        .     XW  .        .        .        .        .        .        .        .        .
   232. .        .      X  .        .        .        .        .        .        .        .        .
   234. .        .       X .        .        .        .        .        .        .        .        .
   236. .        .       X .        .        .        .        .        .        .        .        .
   238. .        .        X.        .        .        .        .        .        .        .        .
   240. .        .        X.        .        .        .        .        .        .        .        .
   242. .        .         X        .        .        .        .        .        .        .        .
   244. .        .         .X       .        .        .        .        .        .        .        .
   246. .        .         .X       .        .        .        .        .        .        .        .
   248. .        .         . X      .        .        .        .        .        .        .        .
   250. .        .         . X      .        .        .        .        .        .        .        .
   252. .        .         .  X     .        .        .        .        .        .        .        .
   254. .        .         .  X     .        .        .        .        .        .        .        .
   256. .        .         .   X    .        .        .        .        .        .        .        .
   258. .        .         .    X   .        .        .        .        .        .        .        .
   260. .        .         .    X   .        .        .        .        .        .        .        .
   262. .        .         .     X  .        .        .        .        .        .        .        .
   264. .        .         .     X  .        .        .        .        .        .        .        .
   266. .        .         .      X .        .        .        .        .        .        .        .
   268. .        .         .      X .        .        .        .        .        .        .        .
   270. .        .         .       X .       .        .        .        .        .        .        .
11 272. .        .         .        X.       .        .        .        .        .        .        .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.10        .00       64.10       15.03       62.40       21.97       59.80       27.75       59.20       39.31
      61.10      42.78       60.10      100.59       59.40      142.21       60.10      203.49       62.10      272.86
1
 CROSS SECTION      1.03
 STREAM  ISRT DITCH B - BEFORE RE
 DISCHARGE=      134.


 PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

 ELEV   59.1      60.1      61.1      62.1      63.1      64.1      65.1      66.1      67.1      68.1      69.1


    STA-FEET

 2   0. .        .        .        .        .        .        .        X.       .        .        .        .
     2. .        .        .        .        .        .        .      X  .       .        .        .        .
     4. .        .        .        .        .        .        .    X    .       .        .        .        .
     6. .        .        .        .        .        .        X        .       .        .        .        .
     8. .        .        .        .        .        .      X .        .       .        .        .        .
    10. .        .        .        .        .        .    X   .        .       .        .        .        .
    12. .        .        .        .        .        . X      .        .       .        .        .        .
 3  14. .        .        .        .        .        X.       .        .       .        .        .        .
    16. .        .        .        .        .      X  .       .        .       .        .        .        .
    18. .        .        .        .      X .        .        .        .       .        .        .        .
 4  20. .        .        .        . X      .        .        .        .       .        .        .      BANK.
    22. .        .        . X      .        .        .        .        .       .        .        .        .
    24. .        . X   CW .        .        .        .        .        .       .        .        .        .
 5  26. .     X  .     CW .        .        .        .        .        .       .        .        .        .
    28. .    X   .     CW .        .        .        .        .        .       .        .        .        .
    30. .   X    .     CW .        .        .        .        .        .       .        .        .        .
    32. .  X     .     CW .        .        .        .        .        .       .        .        .        .
    34. . X      .     CW .        .        .        .        .        .       .        .        .        .
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```
6  36. X        .     CW .
   38. .        . X   CW .
7  40. .        .      X.                                                  BANK.
   42. .        .      X.
   44. .        .      X .
   46. .        .      X .
   48. .        .      X .
   50. .        .     XW .
   52. .        .     XW .
   54. .        .    XCW .
   56. .        .    XCW .
   58. .        .    XCW .
   60. .        .   X CW .
   62. .        .   X CW .
   64. .        .   X CW .
   66. .        .  X  CW .
   68. .        .  X  CW .
   70. .        . X   CW .
   72. .        . X   CW .
   74. .        . X   CW .
   76. .        . X   CW .
   78. .        . X   CW .
   80. .        . X   CW .
   82. .        .X    CW .
   84. .        .X    CW .
   86. .        X     CW .
   88. .        X     CW .
   90. .        X     CW .
   92. .       X.     CW .
8  94. .       X.     CW .
   96. .       X.     CW .
   98. .      X .     CW .
  100. .      X .     CW .
   02. .      X .     CW .
  104. .     X  .     CW .
  106. .     X  .     CW .
  108. .    X   .     CW .
  110. .    X   .     CW .
  112. .    X   .     CW .
  114. .   X    .     CW .
  116. .   X    .     CW .
  118. .   X    .     CW .
  120. .  X     .     CW .
  122. .  X     .     CW .
  124. .  X     .     CW .
  126. . X      .     CW .
  128. . X      .     CW .
  130. . X      .     CW .
9 132. . X      .     CW .
  134. . X      .     CW .
  136. . X      .     CW .
  138. .  X     .     CW .
  140. .  X     .     CW .
  142. .  X     .     CW .
  144. .  X     .     CW .
  146. .   X    .     CW .
  148. .   X    .     CW .
  150. .   X    .     CW .
  152. .   X    .     CW .
  154. .    X   .     CW .
  156. .    X   .     CW .
  158. .    X   .     CW .
   60. .    X   .     CW .
  162. .     X  .     CW .
  164. .     X  .     CW .
  166. .     X  .     CW .
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    168. .    X  .     CW .       .       .       .       .       .       .       .       .
    170. .     X .     CW .       .       .       .       .       .       .       .       .
    172. .     X .     CW .       .       .       .       .       .       .       .       .
    174. .     X .     CW .       .       .       .       .       .       .       .       .
    176. .     X .     CW .       .       .       .       .       .       .       .       .
    178. .      X .    CW .       .       .       .       .       .       .       .       .
    180. .      X .    CW .       .       .       .       .       .       .       .       .
    182. .      X .    CW .       .       .       .       .       .       .       .       .
    184. .      X .    CW .       .       .       .       .       .       .       .       .
    186. .       X.    CW .       .       .       .       .       .       .       .       .
    188. .       X.    CW .       .       .       .       .       .       .       .       .
 10 190. .       X.    CW .       .       .       .       .       .       .       .       .
    192. .        X    CW .       .       .       .       .       .       .       .       .
    194. .        X    CW .       .       .       .       .       .       .       .       .
    196. .       .X    CW .       .       .       .       .       .       .       .       .
    198. .       .X    CW .       .       .       .       .       .       .       .       .
    200. .       . X   CW .       .       .       .       .       .       .       .       .
    202. .       .  X  CW .       .       .       .       .       .       .       .       .
    204. .       .  X  CW .       .       .       .       .       .       .       .       .
    206. .       .   X CW .       .       .       .       .       .       .       .       .
    208. .       .    X CW .      .       .       .       .       .       .       .       .
    210. .       .    X CW .      .       .       .       .       .       .       .       .
    212. .       .     XCW .      .       .       .       .       .       .       .       .
    214. .       .     XCW .      .       .       .       .       .       .       .       .
    216. .       .      XW .      .       .       .       .       .       .       .       .
    218. .       .       X .      .       .       .       .       .       .       .       .
    220. .       .       X .      .       .       .       .       .       .       .       .
    222. .       .        X.      .       .       .       .       .       .       .       .
    224. .       .         X      .       .       .       .       .       .       .       .
    226. .       .         X      .       .       .       .       .       .       .       .
    228. .       .         .X     .       .       .       .       .       .       .       .
    230. .       .         .X     .       .       .       .       .       .       .       .
    232. .       .         . X    .       .       .       .       .       .       .       .
    234. .       .         .  X   .       .       .       .       .       .       .       .
    236. .       .         .  X   .       .       .       .       .       .       .       .
    238. .       .         .   X  .       .       .       .       .       .       .       .
    240. .       .         .   X  .       .       .       .       .       .       .       .
    242. .       .         .    X .       .       .       .       .       .       .       .
    244. .       .         .     X .      .       .       .       .       .       .       .
    246. .       .         .     X .      .       .       .       .       .       .       .
    248. .       .         .      X .     .       .       .       .       .       .       .
    250. .       .         .       X .    .       .       .       .       .       .       .
    252. .       .         .       X .    .       .       .       .       .       .       .
 11 254. .       .         .        X.    .       .       .       .       .       .       .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.05        .00      64.05      14.02      62.35      20.48      59.75      25.87      59.15      36.66
      61.05      39.89      60.05      93.79      59.35     132.61      60.05     189.75      62.05     254.43
1
CROSS SECTION      2.00
STREAM  ISRT DITCH B - BEFORE RE
DISCHARGE=      134.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   59.1      60.1      61.1      62.1      63.1      64.1      65.1      66.1      67.1      68.1      69.1


    STA-FEET

 2   0. .        .         .         .         .         .         .         X.        .         .         .         .
     2. .        .         .         .         .         .         .      X  .        .         .         .         .
     4. .        .         .         .         .         .         . X       .        .         .         .         .
```

```
    6. .        .        .        .        .        .        X        .        .        .        .        .
    8. .        .        .        .        .        .      X  .        .        .        .        .        .
   10. .        .        .        .        .        .    X    .        .        .        .        .        .
   12. .        .        .        .        .      X.         .        .        .        .        .        .
   14. .        .        .        .        .    X  .         .        .        .        .        .        .
   16. .        .        .        .      X .                  .        .        .        .        .        .
   18. .        .        .      X .                            .        .        .        .        .        .
4  20. .        .        .      X .                            .        .        .        .        .        .   BANK.
   22. .        .        . X    .                              .        .        .        .        .        .
5  24. .     X  .        W.     .                              .        .        .        .        .        .
   26. .    X   .        W.     .                              .        .        .        .        .        .
   28. .   X    .        W.     .                              .        .        .        .        .        .
   30. . X      .        W.     .                              .        .        .        .        .        .
   32. .X       .        W.     .                              .        .        .        .        .        .
6  34. X        .        W.     .                              .        .        .        .        .        .
7  36. .        .        X.     .                              .        .        .        .        .        .   BANK.
   38. .        .        X.     .                              .        .        .        .        .        .
   40. .        .       XW.     .                              .        .        .        .        .        .
   42. .        .       XW.     .                              .        .        .        .        .        .
   44. .        .      X W.     .                              .        .        .        .        .        .
   46. .        .      X W.     .                              .        .        .        .        .        .
   48. .        .      X W.     .                              .        .        .        .        .        .
   50. .        .     X  W.     .                              .        .        .        .        .        .
   52. .        .     X  W.     .                              .        .        .        .        .        .
   54. .        .    X   W.     .                              .        .        .        .        .        .
   56. .        .    X   W.     .                              .        .        .        .        .        .
   58. .        .    X   W.     .                              .        .        .        .        .        .
   60. .        .   X    W.     .                              .        .        .        .        .        .
   62. .        .   X    W.     .                              .        .        .        .        .        .
   64. .        .  X     W.     .                              .        .        .        .        .        .
   66. .        .  X     W.     .                              .        .        .        .        .        .
   68. .        .  X     W.     .                              .        .        .        .        .        .
   70. .        . X      W.     .                              .        .        .        .        .        .
   72. .        . X      W.     .                              .        .        .        .        .        .
   74. .        .X       W.     .                              .        .        .        .        .        .
   76. .        .X       W.     .                              .        .        .        .        .        .
   78. .        .X       W.     .                              .        .        .        .        .        .
   80. .        X        W.     .                              .        .        .        .        .        .
   82. .        X        W.     .                              .        .        .        .        .        .
   84. .       X.        W.     .                              .        .        .        .        .        .
8  86. .       X.        W.     .                              .        .        .        .        .        .
   88. .       X.        W.     .                              .        .        .        .        .        .
   90. .      X .        W.     .                              .        .        .        .        .        .
   92. .      X .        W.     .                              .        .        .        .        .        .
   94. .     X  .        W.     .                              .        .        .        .        .        .
   96. .     X  .        W.     .                              .        .        .        .        .        .
   98. .     X  .        W.     .                              .        .        .        .        .        .
  100. .    X   .        W.     .                              .        .        .        .        .        .
  102. .    X   .        W.     .                              .        .        .        .        .        .
  104. .   X    .        W.     .                              .        .        .        .        .        .
  106. .   X    .        W.     .                              .        .        .        .        .        .
  108. .   X    .        W.     .                              .        .        .        .        .        .
  110. .  X     .        W.     .                              .        .        .        .        .        .
  112. .  X     .        W.     .                              .        .        .        .        .        .
  114. .  X     .        W.     .                              .        .        .        .        .        .
  116. . X      .        W.     .                              .        .        .        .        .        .
  118. . X      .        W.     .                              .        .        .        .        .        .
  120. . X      .        W.     .                              .        .        .        .        .        .
9 122. . X      .        W.     .                              .        .        .        .        .        .
  124. . X      .        W.     .                              .        .        .        .        .        .
  126. . X      .        W.     .                              .        .        .        .        .        .
    8. . X      .        W.     .                              .        .        .        .        .        .
   10. . X      .        W.     .                              .        .        .        .        .        .
  132. . X      .        W.     .                              .        .        .        .        .        .
  134. .  X     .        W.     .                              .        .        .        .        .        .
  136. .  X     .        W.     .                              .        .        .        .        .        .
```

```
    138. .  X     .       W.        .         .         .         .         .         .         .         .         .
    140. .  X     .       W.        .         .         .         .         .         .         .         .         .
    142. .   X    .       W.        .         .         .         .         .         .         .         .         .
    144. .   X    .       W.        .         .         .         .         .         .         .         .         .
    146. .   X    .       W.        .         .         .         .         .         .         .         .         .
    148. .   X    .       W.        .         .         .         .         .         .         .         .         .
    150. .    X   .       W.        .         .         .         .         .         .         .         .         .
    152. .    X   .       W.        .         .         .         .         .         .         .         .         .
    154. .    X   .       W.        .         .         .         .         .         .         .         .         .
    156. .    X   .       W.        .         .         .         .         .         .         .         .         .
    158. .     X  .       W.        .         .         .         .         .         .         .         .         .
    160. .     X  .       W.        .         .         .         .         .         .         .         .         .
    162. .     X  .       W.        .         .         .         .         .         .         .         .         .
    164. .      X .       W.        .         .         .         .         .         .         .         .         .
    166. .      X .       W.        .         .         .         .         .         .         .         .         .
    168. .      X .       W.        .         .         .         .         .         .         .         .         .
    170. .      X .       W.        .         .         .         .         .         .         .         .         .
    172. .       X.       W.        .         .         .         .         .         .         .         .         .
    174. .       X.       W.        .         .         .         .         .         .         .         .         .
 10 176. .       X.       W.        .         .         .         .         .         .         .         .         .
    178. .        X       W.        .         .         .         .         .         .         .         .         .
    180. .        X       W.        .         .         .         .         .         .         .         .         .
    182. .        .X      W.        .         .         .         .         .         .         .         .         .
    184. .        . X     W.        .         .         .         .         .         .         .         .         .
    186. .        . X     W.        .         .         .         .         .         .         .         .         .
    188. .        .  X    W.        .         .         .         .         .         .         .         .         .
    190. .        .   X   W.        .         .         .         .         .         .         .         .         .
    192. .        .   X   W.        .         .         .         .         .         .         .         .         .
    194. .        .    X  W.        .         .         .         .         .         .         .         .         .
    196. .        .     X W.        .         .         .         .         .         .         .         .         .
    198. .        .     X W.        .         .         .         .         .         .         .         .         .
    200. .        .      X W.       .         .         .         .         .         .         .         .         .
    202. .        .      XW.        .         .         .         .         .         .         .         .         .
    204. .        .      XW.        .         .         .         .         .         .         .         .         .
    206. .        .       X.        .         .         .         .         .         .         .         .         .
    208. .        .        X        .         .         .         .         .         .         .         .         .
    210. .        .        X        .         .         .         .         .         .         .         .         .
    212. .        .        .X       .         .         .         .         .         .         .         .         .
    214. .        .        . X      .         .         .         .         .         .         .         .         .
    216. .        .        . X      .         .         .         .         .         .         .         .         .
    218. .        .        .  X     .         .         .         .         .         .         .         .         .
    220. .        .        .   X    .         .         .         .         .         .         .         .         .
    222. .        .        .   X    .         .         .         .         .         .         .         .         .
    224. .        .        .    X   .         .         .         .         .         .         .         .         .
    226. .        .        .     X  .         .         .         .         .         .         .         .         .
    228. .        .        .     X  .         .         .         .         .         .         .         .         .
    230. .        .        .      X .         .         .         .         .         .         .         .         .
    232. .        .        .       X.         .         .         .         .         .         .         .         .
    234. .        .        .       X.         .         .         .         .         .         .         .         .
 11 236. .        .        .        X.        .         .         .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.00        .00      64.00      13.00      62.30      19.00      59.70      24.00      59.10      34.00
      61.00      37.00      60.00      87.00      59.30     123.00      60.00     176.00      62.00     236.00
1
CROSS SECTION      1.00
STREAM  ISRT DITCH B - BEFORE RE
DISCHARGE=      134.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   59.8      60.3      60.8      61.3      61.8      62.3      62.8      63.3      63.8      64.3      64.8
```

```
STA-FEET

    0. .         .         .         .         .         .         .         .         .  X      .         .         .
    2. .         .         .         .         .         .         .  X      .         .         .         .         .
3   4. .         .         .         .         .   X     .         .         .         .         .         .         .
    6. .         .         .         .         .   X     .         .         .         .         .         .         .
    8. .         .         .         .         .  X      .         .         .         .         .         .         .
   10. .         .         .         .         .  X      .         .         .         .         .         .         .
4  12. .         .         .         .         . X       .         .         .         .         .         .         BANK.
   14. .         .         .   X     .       W .         .         .         .         .         .         .         .
   16. .       X .         .         .       W .         .         .         .         .         .         .         .
5  18. X         .         .         .       W .         .         .         .         .         .         .         .
   20. .   X     .         .         .       W .         .         .         .         .         .         .         .
6  22. .         . X       .         .       W .         .         .         .         .         .         .         .
7  24. .         .         .         .       X .         .         .         .         .         .         .         BANK.
   26. .         .         .         .     X W .         .         .         .         .         .         .         .
   28. .         .         .         .    X  W .         .         .         .         .         .         .         .
   30. .         .         .         .  X    W .         .         .         .         .         .         .         .
   32. .         .         .         . X     W .         .         .         .         .         .         .         .
   34. .         .         .         X       W .         .         .         .         .         .         .         .
   36. .         .         .        X.       W .         .         .         .         .         .         .         .
   38. .         .         .     X  .       W .         .         .         .         .         .         .         .
   40. .         .         .   X    .       W .         .         .         .         .         .         .         .
   42. .         .         .  X     .       W .         .         .         .         .         .         .         .
   44. .         .         . X      .       W .         .         .         .         .         .         .         .
   46. .         .         .X       .       W .         .         .         .         .         .         .         .
   48. .         .        X.        .       W .         .         .         .         .         .         .         .
   50. .         .      X  .        .       W .         .         .         .         .         .         .         .
   52. .         .     X   .        .       W .         .         .         .         .         .         .         .
   54. .         .   X     .        .       W .         .         .         .         .         .         .         .
   56. .         . X       .        .       W .         .         .         .         .         .         .         .
   58. .         .X        .        .       W .         .         .         .         .         .         .         .
   60. .         X         .        .       W .         .         .         .         .         .         .         .
   62. .       X .         .        .       W .         .         .         .         .         .         .         .
   64. .     X   .         .        .       W .         .         .         .         .         .         .         .
   66. .   X     .         .        .       W .         .         .         .         .         .         .         .
8  68. .  X      .         .        .       W .         .         .         .         .         .         .         .
   70. .  X      .         .        .       W .         .         .         .         .         .         .         .
   72. . X       .         .        .       W .         .         .         .         .         .         .         .
   74. . X       .         .        .       W .         .         .         .         .         .         .         .
   76. . X       .         .        .       W .         .         .         .         .         .         .         .
   78. . X       .         .        .       W .         .         .         .         .         .         .         .
   80. . X       .         .        .       W .         .         .         .         .         .         .         .
   82. . X       .         .        .       W .         .         .         .         .         .         .         .
   84. . X       .         .        .       W .         .         .         .         .         .         .         .
   86. . X       .         .        .       W .         .         .         .         .         .         .         .
   88. .X        .         .        .       W .         .         .         .         .         .         .         .
   90. .X        .         .        .       W .         .         .         .         .         .         .         .
   92. .X        .         .        .       W .         .         .         .         .         .         .         .
   94. .X        .         .        .       W .         .         .         .         .         .         .         .
   96. X         .         .        .       W .         .         .         .         .         .         .         .
   98. X         .         .        .       W .         .         .         .         .         .         .         .
  100. X         .         .        .       W .         .         .         .         .         .         .         .
  102. X         .         .        .       W .         .         .         .         .         .         .         .
  104. X         .         .        .       W .         .         .         .         .         .         .         .
  106. X         .         .        .       W .         .         .         .         .         .         .         .
  108. X         .         .        .       W .         .         .         .         .         .         .         .
  110. X         .         .        .       W .         .         .         .         .         .         .         .
  112. X         .         .        .       W .         .         .         .         .         .         .         .
  114. X         .         .        .       W .         .         .         .         .         .         .         .
  116. X         .         .        .       W .         .         .         .         .         .         .         .
   18. X         .         .        .       W .         .         .         .         .         .         .         .
  120. X         .         .        .       W .         .         .         .         .         .         .         .
  122. X         .         .        .       W .         .         .         .         .         .         .         .
  124. X         .         .        .       W .         .         .         .         .         .         .         .
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   126. X         .         .         .       W .         .         .         .         .         .         .         .
   128. X         .         .         .       W .         .         .         .         .         .         .         .
   130. X         .         .         .       W .         .         .         .         .         .         .         .
   132. X         .         .         .       W .         .         .         .         .         .         .         .
   134. X         .         .         .       W .         .         .         .         .         .         .         .
   136. X         .         .         .       W .         .         .         .         .         .         .         .
   138. X         .         .         .       W .         .         .         .         .         .         .         .
   140. X         .         .         .       W .         .         .         .         .         .         .         .
   142. X         .         .         .       W .         .         .         .         .         .         .         .
   144. X         .         .         .       W .         .         .         .         .         .         .         .
   146. X         .         .         .       W .         .         .         .         .         .         .         .
   148. X         .         .         .       W .         .         .         .         .         .         .         .
   150. X         .         .         .       W .         .         .         .         .         .         .         .
   152. X         .         .         .       W .         .         .         .         .         .         .         .
   154. X         .         .         .       W .         .         .         .         .         .         .         .
   156. X         .         .         .       W .         .         .         .         .         .         .         .
   158. X         .         .         .       W .         .         .         .         .         .         .         .
   160. X         .         .         .       W .         .         .         .         .         .         .         .
   162. X         .         .         .       W .         .         .         .         .         .         .         .
   164. X         .         .         .       W .         .         .         .         .         .         .         .
   166. X         .         .         .       W .         .         .         .         .         .         .         .
   168. X         .         .         .       W .         .         .         .         .         .         .         .
   170. X         .         .         .       W .         .         .         .         .         .         .         .
   172. X         .         .         .       W .         .         .         .         .         .         .         .
   174. X         .         .         .       W .         .         .         .         .         .         .         .
8560 XSEC POINT-X      EL,ST-     59.30    177.00
 9 176. X         .         .         .       W .         .         .         .         .         .         .         .
   178. X         .         .         .       W .         .         .         .         .         .         .         .
   180. X         .         .         .       W .         .         .         .         .         .         .         .
   182. X         .         .         .       W .         .         .         .         .         .         .         .
   184. X         .         .         .       W .         .         .         .         .         .         .         .
   186. X         .         .         .       W .         .         .         .         .         .         .         .
   188. X         .         .         .       W .         .         .         .         .         .         .         .
   190. X         .         .         .       W .         .         .         .         .         .         .         .
   192. X         .         .         .       W .         .         .         .         .         .         .         .
   194. X         .         .         .       W .         .         .         .         .         .         .         .
   196. X         .         .         .       W .         .         .         .         .         .         .         .
   198. X         .         .         .       W .         .         .         .         .         .         .         .
   200. X         .         .         .       W .         .         .         .         .         .         .         .
   202. X         .         .         .       W .         .         .         .         .         .         .         .
   204. X         .         .         .       W .         .         .         .         .         .         .         .
   206. X         .         .         .       W .         .         .         .         .         .         .         .
   208. X         .         .         .       W .         .         .         .         .         .         .         .
   210. X         .         .         .       W .         .         .         .         .         .         .         .
   212. X         .         .         .       W .         .         .         .         .         .         .         .
   214. X         .         .         .       W .         .         .         .         .         .         .         .
   216. X         .         .         .       W .         .         .         .         .         .         .         .
   218. X         .         .         .       W .         .         .         .         .         .         .         .
   220. X         .         .         .       W .         .         .         .         .         .         .         .
   222. X         .         .         .       W .         .         .         .         .         .         .         .
   224. X         .         .         .       W .         .         .         .         .         .         .         .
   226. X         .         .         .       W .         .         .         .         .         .         .         .
   228. X         .         .         .       W .         .         .         .         .         .         .         .
   230. X         .         .         .       W .         .         .         .         .         .         .         .
   232. .X        .         .         .       W .         .         .         .         .         .         .         .
   234. .X        .         .         .       W .         .         .         .         .         .         .         .
   236. .X        .         .         .       W .         .         .         .         .         .         .         .
   238. . X       .         .         .       W .         .         .         .         .         .         .         .
   240. . X       .         .         .       W .         .         .         .         .         .         .         .
   242. . X       .         .         .       W .         .         .         .         .         .         .         .
   244. .  X      .         .         .       W .         .         .         .         .         .         .         .
   246. .  X      .         .         .       W .         .         .         .         .         .         .         .
   248. .   X     .         .         .       W .         .         .         .         .         .         .         .
10 250. .   X     .         .         .       W .         .         .         .         .         .         .         .
   252. .         .         .        .X       W .         .         .         .         .         .         .         .
11 254. .         .         .         .         .   X     .         .         .         .         .         .         .
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```
NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

    (I),STA(I)
     64.00        .00       62.00        4.00       61.90       13.00       59.80       18.00       60.40       23.00
     61.70      25.00       60.00       68.00       59.30      177.00       60.00      251.00       62.00      254.00
1
PROFILE FOR STREAM  ISRT DITCH B - BEFORE RE


PLOTTED POINTS (BY PRIORITY) E-ENERGY,W-WATER SURFACE,I-INVERT,C-CRITICAL W.S.,L-LEFT BANK,R-RIGHT BANK,M-LOWER END STA


ELEVATION   58.      58.      59.      59.      60.      60.      61.      61.      62.      62.
    SECNO  CUMDIS

     6.00     0. I        .        .        .W       .E       .        .        .        .        .        .        L
             10. I        .        .        .C  W    .  E     .        .        .        .        .        .        L
             20. I        .        .        .C       W    E   .        .        .        .        .        .        L
     1.01    30. I        .        .        .C       . W   E  .        .        .        .        .        .        L
             40. I        .        .        .C       .  W  E .        .        .        .        .        .        L
     1.02    50. I        .        .        .C       .    W  E.        .        .        .        .        .        L
             60. I        .        .        .C       .     W  E        .        .        .        .        .        L
             70. I        .        .        .C       .      W .E       .        .        .        .        .        L
     1.03    80. I        .        .        .C       .      W .E       .        .        .        .        .        L
             90. I        .        .        .C       .       W. E      .        .        .        .        .        L
     5.00   100. I        .        .        .C       .        W  E     .        .        .        .        .        L
            110. .I       .        .        . C      .        .W E     .        .        .        .       M. R      L
            120. .  I     .        .        .  C     .        .W  E    .        .      MR .        .        .        L
     1.01   130. .   I    .        .        .  C     .        . W E    .        . R      .        .        .        L
            140. .    I   .        .        .   C    .        . W  E   .        . R      .        .        .        L
     1.02   150. .     I  .        .        .    C   .        .  W  E  .        .   R    .        .        .        L
            160. .      I .        .        .     C  .        .   W E  .        .    R   .        .        .        L
            170. .       I        .        .      C.         .    W E .        .      R .        .        .        L
     1.03   180. .       I        .        .      C.         .    W E .        .       R.        .        .        L
            190. .      . I       .        .       C         .     W E.        .        R        .        .        L
     4.00   200. .      .  I      .        .        . C      .      W E.        .        . R      .        .        L
            210. .      .   I     .        .     C  .        .      W E.    R   .      M .        .        .        L
            220. .      .    I    .        .   C    .        .R     WE.        .   M    .        .        .        L
     1.01   230. .      .     I   .        .C  R    .        .       E.        .M       L        .        .
            240. .      .      I. .        . C  R   .        .       E.        . M     .L        .        .
            250. .      .       I .        .  C  R  .        .       E.        .  M    . L       .        .
     1.02   260. .      .      .I .        .   C  R.        .       E.        .   M   . L       .        .
            270. .      .      . I .        .    C  R        .       E.        .    M  .  L      .        .
            280. .      .      .  I .        .     C .R       .       E.        .     M .   L     .        .
     1.03   290. .      .      .   I .        .      C. R     .       E.        .      M .    L    .        .
            300. .      .      .    I .        .       .C  R   .       WE        .       M      L .        .
            310. .      .      .     I .        .       .  CR  .       WE        .       .M      L.        .
     3.00   320. .      .      .      I .        .       .   C .       WE        .       . M      L        .
            330. .      .      .      I .        .       .     C .   R   E        .       . M      L        .
     1.01   340. .      .      .     I  .        .       .      C      E   R     .       .   M    .L        .
            350. .      .      .     I  .        .       .     . C     E   R     .       .   M    .L        .
     1.02   360. .      .      .    I   .        .       .    C    E  R     .       .  M     L        .
            370. .      .      .    I   .        .       .     C  WE  R     .       .  M     L        .
            380. .      .      .   I    .        .       .      C .E R      .       . M     L.        .
     1.03   390. .      .      .   I    .        .       .      C.E R       .       . M     L.        .
            400. .      .      .   I    .        .       .       .CER       .       . M     L.        .
     2.00   410. .      .      .  I     .        .       .       . RE       .       . M     L .        .
            420. .      .      .    I   .        .       .        .   E     .       . M   L  .        .
            430. .      .      .      I .        .       .        .     E .       . M  L   .        .
            440. .      .      .      . I        .       .        .       .E      . ML     .        .
            450. .      .      .      .   I      .       .        .        .  E   .LM      .        .
     1.00   460. .      .      .      .     I .        .       .        .    E  L M      .        .
1
```

THIS RUN EXECUTED 10/31/91 12:21:36

```
**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED APR  1989

  ERROR CORR -  01,02
  MODIFICATION -
**************************************************
```

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

ISRT DITCH B - BEFORE RE

SUMMARY PRINTOUT

	SECNO	XLCH	CWSEL	TOPWID	TIME	QCH	VCH	Q	SSTA	ENDST
*	6.000	.00	59.43	22.02	.00	134.00	5.85	134.00	106.86	128.88
	5.000	100.00	60.40	25.39	.01	134.00	2.91	134.00	105.33	130.72
	4.000	97.00	60.73	36.59	.02	134.00	2.62	134.00	42.06	78.65
	3.000	120.00	60.87	109.75	.06	36.83	1.34	134.00	19.58	129.34
	2.000	86.00	61.03	185.33	.09	19.59	.94	134.00	21.45	206.78
*	1.000	48.00	61.72	240.14	.14	3.72	.27	134.00	13.43	253.58

1

SUMMARY OF ERRORS AND SPECIAL NOTES

```
CAUTION SECNO=      6.000  PROFILE=  1  CRITICAL DEPTH ASSUMED

CAUTION SECNO=      1.000  PROFILE=  1  CRITICAL DEPTH ASSUMED
CAUTION SECNO=      1.000  PROFILE=  1  MINIMUM SPECIFIC ENERGY
```

HEC-2

New Boston Street Drainway at
Wetland 8 After Remedy

```
1*****************************************************
 *  WATER SURFACE PROFILES                           *
 *  VERSION OF SEPTEMBER 1988                        *
    RROR: 01,02                                      *
    PDATED:  4 APRIL    1989                         *
 *  RUN DATE    10/31/91   TIME   12:22:18           *
*****************************************************
```

```
*************************************
*  U.S. ARMY CORPS OF ENGINEERS     *
*  THE HYDROLOGIC ENGINEERING CENTER *
*  609 SECOND STREET, SUITE D       *
*  DAVIS, CALIFORNIA 95616-4687     *
*  (916) 756-1104, (916) 551-1748   *
*************************************
```

```
X     X  XXXXXXX   XXXXX              XXXXX
X     X  X        X     X            X     X
X     X  X        X                        X
XXXXXXX  XXXX     X          XXXXX    XXXXX
X     X  X        X                  X
X     X  X        X     X            X
X     X  XXXXXXX   XXXXX             XXXXXXX
```

END OF BANNER

1

10/31/91 12:22:18 PAGE 1

THIS RUN EXECUTED 10/31/91 12:22:18

```
**************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED APR  1989

    :OR CORR -  01,02
  MODIFICATION -
**************************************************
```

T1 HEC-2 DATA SHEET
T2 100-YEAR FLOOD ANALYSIS
T3 ISRT DITCH B - AFTER REMEDY
(aka NEW BOSTON STREET DRAINWAY AT WETLAND B)

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0	0	0	0	-1	0	0.0001	136	60	0
J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLOC	IBW	CHNIM	ITRACE
	-1	1	0	0	0	0	-1	0	0	0

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

	38	39	1	4	6	14	26	43	53	54	
NC	.100	.050	.040	0	0	0	0	0	0		
X1	6	6	95	136	0	0	0				
GR	65.5	0	67	95	58.7	108	57.9	126	63.2		136
GR	63	139									
NC	.035	.050	.013	0	0	0	0	0	0		
	5	6	96	135	100	100	100				
	66.8	0	67	96	59.2	108	59.2	126	63.2		135
	63	139									
X1	4	10	31	85	156	83	97				

```
GR      66        0       67       31       59.7       45       59.7       54       60.6       70
GR    60.6       72     61.3       75       63.3       85       63.3      127         62      143

X1       3        9       17       42        109      110        120
X3      10
GR      66        0     63.7       17         60       21         60       36       60.7       42
GR    60.6      100     61.3      125       63.3      135       63.3      200

X1       2       10       20       39         80      100         86
X3      10
GR      66        0     65.3       13       62.3       20       60.2       24       60.2       34
GR    62.3       39     61.3       87       60.6      123       61.3      176       63.3      236

X1       1       10       10       27         48       53         48
X3      10
GR    65.3        0     63.3        4       63.2       10         58       18         58       23
GR      63       27     61.3       68       60.6      177       61.3      251       63.3      254


1
   10/31/91      12:22:18                                                                    PAGE    2


1
   10/31/91      12:22:18                                                                    PAGE    3

   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS    BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA    LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST

 *PROF 1

 CRITICAL DEPTH TO BE CALCULATED AT ALL CROSS SECTIONS
0

 *SECNO 6.000
 3720 CRITICAL DEPTH ASSUMED
     6.00     1.54    59.44    59.44    60.00    59.97      .54      .00      .00    67.00
     136.      0.     136.      0.       0.       23.       0.       0.       0.     63.20
      .00      .00     5.88     .00     .000     .040     .000     .000    57.90   106.84
   .024341     0.       0.       0.       0        18        0      .00     22.06   128.90
0
 *SECNO 5.000

 1645 INT SEC ADDED BY RAISING SEC      5.00,   -.975 FT AND MULTIPLYING BY    .994


 3301 HV CHANGED MORE THAN HVINS


 3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  5.01

     1.01     1.54    59.76    59.39      .00    60.04      .28      .07      .00    66.03
     136.      0.     136.      0.       0.       32.       0.       0.       0.     62.23
      .00      .00     4.25     .00     .000     .013     .000     .000    58.23   104.96
   .000970    25.      25.      25.       0        15        0      .00     23.68   128.64
0

 1645 INT SEC ADDED BY RAISING SEC      1.01,    .325 FT AND MULTIPLYING BY   1.002


 3301 HV CHANGED MORE THAN HVINS
```

```
7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     1.02     1.16    59.71    59.71      .00    60.24      .53      .04      .00    66.35
     136.      0.     136.      0.       0.      23.       0.       0.       0.     62.55
      .00      .00     5.83     .00     .000     .013     .000     .000    58.55   105.77
   .002542     25.      25.      25.       0       15        0      .00    22.30   128.06
0
1
   10/31/91      12:22:18                                                                    PAGE    4

   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


1645 INT SEC ADDED BY RAISING SEC      1.02,    .325 FT AND MULTIPLYING BY   1.002


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     1.03     1.16    60.03    60.03      .00    60.56      .53      .06      .00    66.67
     136.      0.     136.      0.       0.      23.       0.       0.       0.     62.88
      .00      .00     5.83     .00     .000     .013     .000     .000    58.88   105.99
   .002538     25.      25.      25.       0        5        0      .00    22.34   128.33
0

     INT SEC ADDED BY RAISING SEC      1.03,    .325 FT AND MULTIPLYING BY   1.002


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     5.00     1.16    60.36    60.36      .00    60.88      .53      .06      .00    67.00
     136.      0.     136.      0.       0.      23.       0.       0.       0.     63.20
      .01      .00     5.82     .00     .000     .013     .000     .000    59.20   106.22
   .002540     25.      25.      25.       0        5        0      .00    22.38   128.60
0
*SECNO 4.000

1645 INT SEC ADDED BY RAISING SEC      4.00,   -.375 FT AND MULTIPLYING BY    .927


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     1.01     1.28    60.60    60.60      .00    61.05      .45      .06      .00    66.63
     136.      0.     136.      0.       0.      25.       0.       0.       0.     62.93
      .01      .00     5.36     .00     .000     .013     .000     .000    59.33    39.44
   .002652     39.      24.      21.       0        8        0      .00    28.80    68.24
0
1
   10/31/91      12:22:18                                                                    PAGE    5

   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST
```

```
1645 INT SEC ADDED BY RAISING SEC      1.01,    .125 FT AND MULTIPLYING BY   1.026


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     1.02      1.26     60.71    60.71      .00    61.15      .45      .07      .00    66.75
     136.       0.      136.       0.       0.      25.       0.       0.       0.     63.05
      .01      .00      5.36      .00     .000     .013     .000     .000    59.45    40.52
  .002719      39.       24.      21.        0        5        0      .00    29.43    69.94
0

1645 INT SEC ADDED BY RAISING SEC      1.02,    .125 FT AND MULTIPLYING BY   1.026


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     1.03      1.24     60.82    60.82      .00    61.25      .44      .07      .00    66.88
     136.       0.      136.       0.       0.      26.       0.       0.       0.     63.18
      .01      .00      5.30      .00     .000     .013     .000     .000    59.58    41.58
  .002710      39.       24.      21.        0        5        0      .00    30.10    71.68
0

1645 INT SEC ADDED BY RAISING SEC      1.03,    .125 FT AND MULTIPLYING BY   1.025


3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED
     4.00      1.23     60.93    60.93      .00    61.36      .43      .07      .00    67.00
     136.       0.      136.       0.       0.      26.       0.       0.       0.     63.30
      .01      .00      5.27      .00     .000     .013     .000     .000    59.70    42.65
  .002726      39.       24.      21.        0        5        0      .00    30.76    73.40
0
1
   10/31/91      12:22:18                                                                    PAGE    6


   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA    LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST


*SECNO 3.000

1645 INT SEC ADDED BY RAISING SEC      3.00,   -.225 FT AND MULTIPLYING BY   1.041


3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  2.31

     1.01      1.50     61.28    60.87      .00    61.39      .11      .03      .00    63.48
     136.       0.       99.      37.       0.      32.      66.       0.       0.     60.48
      .01      .00      3.10      .57     .000     .013     .050     .000    59.78    20.16
  .000509      27.       30.      28.        3       15        0      .00   110.94   131.11
0
```

1645 INT SEC ADDED BY RAISING SEC 1.01, .075 FT AND MULTIPLYING BY .987

HV CHANGED MORE THAN HVINS

1.02	1.42	61.27	60.95	.00	61.40	.14	.02	.00	63.55
136.	0.	101.	35.	0.	30.	58.	0.	0.	60.55
.02	.00	3.41	.60	.000	.013	.050	.000	59.85	19.99
.000660	27.	30.	28.	2	19	0	.00	109.01	129.00

0

1645 INT SEC ADDED BY RAISING SEC 1.02, .075 FT AND MULTIPLYING BY .987

3301 HV CHANGED MORE THAN HVINS

1.03	1.33	61.25	61.04	.00	61.43	.17	.02	.00	63.63
136.	0.	104.	32.	0.	27.	50.	0.	0.	60.63
.02	.00	3.81	.65	.000	.013	.050	.000	59.92	19.82
.000905	27.	30.	28.	2	15	0	.00	107.03	126.85

0

1645 INT SEC ADDED BY RAISING SEC 1.03, .075 FT AND MULTIPLYING BY .987

1

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

3301 HV CHANGED MORE THAN HVINS

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 63.70 ELREA= 60.70

3.00	1.22	61.22	61.12	.00	61.46	.23	.03	.00	63.70
136.	0.	107.	29.	0.	25.	41.	0.	0.	60.70
.02	.00	4.36	.71	.000	.013	.050	.000	60.00	19.67
.001324	27.	30.	28.	2	15	0	.00	102.84	122.51

0

*SECNO 2.000

1645 INT SEC ADDED BY RAISING SEC 2.00, -.150 FT AND MULTIPLYING BY 1.119

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

7185 MINIMUM SPECIFIC ENERGY
3720 CRITICAL DEPTH ASSUMED

3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA= 63.35 ELREA= 61.10

1.01	1.27	61.32	61.32	.00	61.59	.28	.04	.00	62.15
136.	0.	92.	44.	0.	18.	52.	0.	0.	62.15
.02	.00	5.12	.83	.000	.013	.050	.000	60.05	24.16
.001974	20.	22.	25.	0	8	0	.00	131.26	202.48

0

```
 1645 INT SEC ADDED BY RAISING SEC      1.01,    .050 FT AND MULTIPLYING BY    .965


 3265 DIVIDED FLOW


 3301 HV CHANGED MORE THAN HVINS

 7185 MINIMUM SPECIFIC ENERGY
1
   10/31/91      12:22:18                                                                                    PAGE    8


   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST


 3720 CRITICAL DEPTH ASSUMED

 3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=       63.00 ELREA=       61.50

     1.02     1.41    61.51    61.51      .00    61.69      .18      .03      .00    62.20
     136.      0.      85.      51.       0.      20.      67.       0.       1.    62.20
      .03      .00     4.29      .76     .000     .013     .050     .000    60.10    23.01
  .001234     20.      22.      25.        0       15        0      .00   139.29   199.93
0

 1645 INT SEC ADDED BY RAISING SEC      1.02,    .050 FT AND MULTIPLYING BY    .963


 3301 HV CHANGED MORE THAN HVINS

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=       62.65 ELREA=       61.90

     1.03     1.55    61.70    61.70      .00    62.32      .63      .04      .00    62.25
     136.      0.     136.       0.       0.      21.       0.       0.       1.    62.25
      .03      .00     6.35      .00     .000     .013     .000     .000    60.15    21.89
  .002437     20.      22.      25.        0        8        0      .00    17.29    39.18
0

 1645 INT SEC ADDED BY RAISING SEC      1.03,    .050 FT AND MULTIPLYING BY    .962


 3301 HV CHANGED MORE THAN HVINS

 7185 MINIMUM SPECIFIC ENERGY
 3720 CRITICAL DEPTH ASSUMED

 3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=       62.30 ELREA=       62.30

     2.00     1.58    61.78    61.78      .00    62.42      .64      .05      .00    62.30
     136.      0.     136.       0.       0.      21.       0.       0.       1.    62.30
      .03      .00     6.42      .00     .000     .013     .000     .000    60.20    20.99
  .002440     20.      22.      25.        0        8        0      .00    16.78    37.77
0
1
   10/31/91      12:22:18                                                                                    PAGE    9


   SECNO    DEPTH    CWSEL    CRIWS    WSELK    EG       HV       HL       OLOSS   BANK ELEV
```

```
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA   LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN      SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID     ENDST

*SECNO 1.000

3301 HV CHANGED MORE THAN HVINS


3302 WARNING:  CONVEYANCE CHANGE OUTSIDE OF ACCEPTABLE RANGE,  KRATIO =  3.15


3495 OVERBANK AREA ASSUMED NON-EFFECTIVE, ELLEA=       63.20 ELREA=       63.00

     1.00     4.29    62.29    60.35      .00    62.45      .16      .03      .00    63.20
     136.      0.     136.      0.       0.      43.       0.       0.       1.     63.00
      .03      .00     3.16     .00     .000     .013     .000     .000    58.00    11.39
  .000246     48.      48.     53.        4       11        0      .00    15.04    26.44
0
1
 CROSS SECTION      6.00
 STREAM  ISRT DITCH B - AFTER REM
 DISCHARGE=      136.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   57.9      58.9      59.9      60.9      61.9      62.9      63.9      64.9      65.9      66.9      67.9


    STA-FEET

     0. .        .        .        .        .        .        .        .   X    .        .        .        .
     5. .        .   .    .        .        .        .        .        .   X    .        .        .        .
    10. .        .        .        .        .        .        .        .    X   .        .        .        .
    15. .        .        .        .        .        .        .        .    X   .        .        .        .
    20. .        .        .        .        .        .        .        .     X.        .        .        .
    25. .        .        .        .        .        .        .        .      X        .        .        .
    30. .        .        .        .        .        .        .        .      .X       .        .        .
    35. .        .        .        .        .        .        .        .       . X     .        .        .
    40. .        .        .        .        .        .        .        .       . X     .        .        .
    45. .        .        .        .        .        .        .        .        .  X   .        .        .
    50. .        .        .        .        .        .        .        .        .   X  .        .        .
    55. .        .        .        .        .        .        .        .        .    X .        .        .
    60. .        .        .        .        .        .        .        .        .    X .        .        .
    65. .        .        .        .        .        .        .        .        .     X .        .        .
    70. .        .        .        .        .        .        .        .        .      X .        .        .
    75. .        .        .        .        .        .        .        .        .       X .        .        .
    80. .        .        .        .        .        .        .        .        .        X.        .        .
    85. .        .        .        .        .        .        .        .        .        X.        .        .
    90. .        .        .        .        .        .        .        .        .         X        .        .
 3  95. .        .        .        .        .        .        .        .        .         .X       .    BANK.
   100. .        .        .        .        .        .       X.        .        .        .        .        .
   105. .        .        .     X  .        .        .        .        .        .        .        .        .
 4 110. .      X .   W    .E       .        .        .        .        .        .        .        .        .
   115. .    X   .   W    .E       .        .        .        .        .        .        .        .        .
   120. .  X     .   W    .E       .        .        .        .        .        .        .        .        .
 5 125. X        .   W    .E       .        .        .        .        .        .        .        .        .
   130. .        .        .     X  .        .        .        .        .        .        .        .        .
 6 135. .        .        .        .        .        .  X     .        .        .        .        .    BANK.
   140. .        .        .        .        .       .X        .        .        .        .        .        .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
```

```
      65.50        .00       67.00       95.00       58.70      108.00       57.90      126.00       63.20      136.00
      63.00     139.00
1
 CROSS SECTION      1.01
 STREAM  ISRT DITCH B - AFTER REM
 DISCHARGE=      136.


 PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

 ELEV   58.2      59.2      60.2      61.2      62.2      63.2      64.2      65.2      66.2      67.2      68.2


    STA-FEET

  2   0. .        .         .         .         .         .         .         .         X .       .         .         .
      5. .        .         .         .         .         .         .         .         X .       .         .         .
     10. .        .         .         .         .         .         .         .         X .       .         .         .
     15. .        .         .         .         .         .         .         .         X .       .         .         .
     20. .        .         .         .         .         .         .         .         X .       .         .         .
     25. .        .         .         .         .         .         .         .          X .      .         .         .
     30. .        .         .         .         .         .         .         .          X .      .         .         .
     35. .        .         .         .         .         .         .         .          X .      .         .         .
     40. .        .         .         .         .         .         .         .          X .      .         .         .
     45. .        .         .         .         .         .         .         .          X .      .         .         .
     50. .        .         .         .         .         .         .         .          X .      .         .         .
     55. .        .         .         .         .         .         .         .          X .      .         .         .
     60. .        .         .         .         .         .         .         .          X .      .         .         .
     65. .        .         .         .         .         .         .         .          X .      .         .         .
     70. .        .         .         .         .         .         .         .          X .      .         .         .
     75. .        .         .         .         .         .         .         .           X .     .         .         .
     80. .        .         .         .         .         .         .         .           X .     .         .         .
     85. .        .         .         .         .         .         .         .           X .     .         .         .
     90. .        .         .         .         .         .         .         .           X .     .         .         .
  3  95. .        .         .         .         .         .         .         .           X .     .         .      BANK.
    100. .        .         .         .         .      X  .         .         .         .         .         .         .
  4 105. X        . C  W  E .         .         .         .         .         .         .         .         .         .
    110. X        . C  W  E .         .         .         .         .         .         .         .         .         .
    115. X        . C  W  E .         .         .         .         .         .         .         .         .         .
    120. X        . C  W  E .         .         .         .         .         .         .         .         .         .
  5 125. X        . C  W  E .         .         .         .         .         .         .         .         .         .
    130. .        .         . X       .         .         .         .         .         .         .         .         .
  6 135. .        .         .         .         X         .         .         .         .         .         .      BANK.
  7 140. .        .         .         .      X  .         .         .         .         .         .         .         .

 NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

   EL(I),STA(I)
      65.83        .00       66.03       95.39       58.23      107.31       58.23      125.20       62.23      134.14
      62.03     138.12
1
 CROSS SECTION      1.02
 STREAM  ISRT DITCH B - AFTER REM
 DISCHARGE=      136.


 PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

 ELEV   58.6      59.6      60.6      61.6      62.6      63.6      64.6      65.6      66.6      67.6      68.6


    STA-FEET

  2   0. .        .         .         .         .         .         .         .         X .       .         .         .
      5. .        .         .         .         .         .         .         .         X .       .         .         .
     10. .        .         .         .         .         .         .         .         X .       .         .         .
```

```
    15. .        .        .        .        .        .        .        .   X    .        .        .        .
    20. .        .        .        .        .        .        .        .   X    .        .        .        .
    25. .        .        .        .        .        .        .        .    X   .        .        .        .
    30. .        .        .        .        .        .        .        .    X   .        .        .        .
    35. .        .        .        .        .        .        .        .    X   .        .        .        .
    40. .        .        .        .        .        .        .        .    X   .        .        .        .
    45. .        .        .        .        .        .        .        .    X   .        .        .        .
    50. .        .        .        .        .        .        .        .    X   .        .        .        .
    55. .        .        .        .        .        .        .        .    X   .        .        .        .
    60. .        .        .        .        .        .        .        .    X   .        .        .        .
    65. .        .        .        .        .        .        .        .    X   .        .        .        .
    70. .        .        .        .        .        .        .        .    X   .        .        .        .
    75. .        .        .        .        .        .        .        .     X  .        .        .        .
    80. .        .        .        .        .        .        .        .     X  .        .        .        .
    85. .        .        .        .        .        .        .        .     X  .        .        .        .
    90. .        .        .        .        .        .        .        .     X  .        .        .        .
  3 95. .        .        .        .        .        .        .        .     X  .        .        .    BANK.
   100. .        .        .        .        .   X    .        .        .        .        .        .        .
   105. .        . X   E  .        .        .        .        .        .        .        .        .        .
  4 110. X       . W   E  .        .        .        .        .        .        .        .        .        .
   115. X       . W   E  .        .        .        .        .        .        .        .        .        .
   120. X       . W   E  .        .        .        .        .        .        .        .        .        .
  5 125. X       . W   E  .        .        .        .        .        .        .        .        .        .
   130. .        .        . X      .        .        .        .        .        .        .        .        .
  6 135. .        .        .        .        X        .        .        .        .        .        .    BANK.
  7 140. .        .        .        .      X .        .        .        .        .        .        .        .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.15        .00       66.35       95.59       58.55      107.54       58.55      125.47       62.55      134.43
      62.35      138.41

    ; SECTION      1.03
STREAM  ISRT DITCH B - AFTER REM
DISCHARGE=      136.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   58.9      59.9      60.9      61.9      62.9      63.9      64.9      65.9      66.9      67.9      68.9


    STA-FEET

  2   0. .        .        .        .        .        .        .        .   X    .        .        .        .
      5. .        .        .        .        .        .        .        .   X    .        .        .        .
     10. .        .        .        .        .        .        .        .   X    .        .        .        .
     15. .        .        .        .        .        .        .        .   X    .        .        .        .
     20. .        .        .        .        .        .        .        .   X    .        .        .        .
     25. .        .        .        .        .        .        .        .    X   .        .        .        .
     30. .        .        .        .        .        .        .        .    X   .        .        .        .
     35. .        .        .        .        .        .        .        .    X   .        .        .        .
     40. .        .        .        .        .        .        .        .    X   .        .        .        .
     45. .        .        .        .        .        .        .        .    X   .        .        .        .
     50. .        .        .        .        .        .        .        .    X   .        .        .        .
     55. .        .        .        .        .        .        .        .    X   .        .        .        .
     60. .        .        .        .        .        .        .        .    X   .        .        .        .
     65. .        .        .        .        .        .        .        .    X   .        .        .        .
     70. .        .        .        .        .        .        .        .    X   .        .        .        .
     75. .        .        .        .        .        .        .        .     X  .        .        .        .
     80. .        .        .        .        .        .        .        .     X  .        .        .        .
     85. .        .        .        .        .        .        .        .     X  .        .        .        .
     90. .        .        .        .        .        .        .        .     X  .        .        .        .
  3 95. .        .        .        .        .        .        .        .     X  .        .        .    BANK.
    100. .        .        .        .        .   X    .        .        .        .        .        .        .
```

```
    105. .         . X   E .         .         .         .         .         .         .         .         .         .
  4 110. X         . W   E .         .         .         .         .         .         .         .         .         .
    115. X         . W   E .         .         .         .         .         .         .         .         .         .
    120. X         . W   E .         .         .         .         .         .         .         .         .         .
  5 125. X         . W   E .         .         .         .         .         .         .         .         .         .
    130. .         .         . X     .         .         .         .         .         .         .         .         .
  6 135. .         .         .         .         X         .         .         .         .         .         .     BANK.
  7 140. .         .         .         .       X .         .         .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.47        .00       66.67       95.80       58.88      107.77       58.88      125.73       62.88      134.71
      62.68     138.71
1
CROSS SECTION      5.00
STREAM  ISRT DITCH B - AFTER REM
DISCHARGE=      136.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   59.2      60.2      61.2      62.2      63.2      64.2      65.2      66.2      67.2      68.2      69.2


    STA-FEET

  2   0. .         .         .         .         .         .         .         .       X .         .         .         .
      5. .         .         .         .         .         .         .         .       X .         .         .         .
     10. .         .         .         .         .         .         .         .       X .         .         .         .
     15. .         .         .         .         .         .         .         .       X .         .         .         .
     20. .         .         .         .         .         .         .         .       X .         .         .         .
     25. .         .         .         .         .         .         .         .         X .         .         .         .
     30. .         .         .         .         .         .         .         .         X .         .         .         .
     35. .         .         .         .         .         .         .         .         X .         .         .         .
     40. .         .         .         .         .         .         .         .         X .         .         .         .
     45. .         .         .         .         .         .         .         .         X .         .         .         .
     50. .         .         .         .         .         .         .         .         X .         .         .         .
     55. .         .         .         .         .         .         .         .         X .         .         .         .
     60. .         .         .         .         .         .         .         .         X .         .         .         .
     65. .         .         .         .         .         .         .         .         X .         .         .         .
     70. .         .         .         .         .         .         .         .         X .         .         .         .
     75. .         .         .         .         .         .         .         .           X .         .         .         .
     80. .         .         .         .         .         .         .         .           X .         .         .         .
     85. .         .         .         .         .         .         .         .           X .         .         .         .
     90. .         .         .         .         .         .         .         .           X .         .         .         .
  3  95. .         .         .         .         .         .         .         .           X .         .         .     BANK.
    100. .         .         .         .         .       X .         .         .         .         .         .         .
    105. .         . X   E .         .         .         .         .         .         .         .         .         .
  4 110. X         . W   E .         .         .         .         .         .         .         .         .         .
    115. X         . W   E .         .         .         .         .         .         .         .         .         .
    120. X         . W   E .         .         .         .         .         .         .         .         .         .
  5 125. X         . W   E .         .         .         .         .         .         .         .         .         .
    130. .         .         . X     .         .         .         .         .         .         .         .         .
  6 135. .         .         .         .         X         .         .         .         .         .         .     BANK.
  7 140. .         .         .         .       X .         .         .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.80        .00       67.00       96.00       59.20      108.00       59.20      126.00       63.20      135.00
      63.00     139.00
1
CROSS SECTION      1.01
STREAM  ISRT DITCH B - AFTER REM
DISCHARGE=      136.
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PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
       59.3      60.3      61.3      62.3      63.3      64.3      65.3      66.3      67.3      68.3      69.3

    STA-FEET

2   0. .        .         .         .         .         .         . X       .         .         .         .         .
    2. .        .         .         .         .         .         .  X      .         .         .         .         .
    4. .        .         .         .         .         .         .  X      .         .         .         .         .
    6. .        .         .         .         .         .         .   X     .         .         .         .         .
    8. .        .         .         .         .         .         .    X    .         .         .         .         .
   10. .        .         .         .         .         .         .    X    .         .         .         .         .
   12. .        .         .         .         .         .         .     X   .         .         .         .         .
   14. .        .         .         .         .         .         .      X  .         .         .         .         .
   16. .        .         .         .         .         .         .       X.         .         .         .         .
   18. .        .         .         .         .         .         .       X.         .         .         .         .
   20. .        .         .         .         .         .         .        X         .         .         .         .
   22. .        .         .         .         .         .         .        .X        .         .         .         .
   24. .        .         .         .         .         .         .        .X        .         .         .         .
   26. .        .         .         .         .         .         .         . X      .         .         .         .
3  28. .        .         .         .         .         .         .         .  X     .         .         .      BANK.
   30. .        .         .         .         .         .         . X       .         .         .         .         .
   32. .        .         .         .         .         X         .         .         .         .         .         .
   34. .        .         .         .         X.        .         .         .         .         .         .         .
   36. .        .         .         X .       .         .         .         .         .         .         .         .
   38. .        .      X  .         .         .         .         .         .         .         .         .         .
   40. .    X   . W    E .         .         .         .         .         .         .         .         .         .
4  42. X        . W    E .         .         .         .         .         .         .         .         .         .
   44. X        . W    E .         .         .         .         .         .         .         .         .         .
   46. X        . W    E .         .         .         .         .         .         .         .         .         .
    8. X        . W    E .         .         .         .         .         .         .         .         .         .
5  50. X        . W    E .         .         .         .         .         .         .         .         .         .
   52. .X       . W    E .         .         .         .         .         .         .         .         .         .
   54. . X      . W    E .         .         .         .         .         .         .         .         .         .
   56. .  X     . W    E .         .         .         .         .         .         .         .         .         .
   58. .   X    . W    E .         .         .         .         .         .         .         .         .         .
   60. .    X   . W    E .         .         .         .         .         .         .         .         .         .
   62. .     X  . W    E .         .         .         .         .         .         .         .         .         .
6  64. .       X. W    E .         .         .         .         .         .         .         .         .         .
7  66. .       X. W    E .         .         .         .         .         .         .         .         .         .
   68. .        . X    E .         .         .         .         .         .         .         .         .         .
8  70. .        .     XE .         .         .         .         .         .         .         .         .         .
   72. .        .        X         .         .         .         .         .         .         .         .         .
   74. .        .         .    X    .         .         .         .         .         .         .         .         .
   76. .        .         .        X.         .         .         .         .         .         .         .         .
9  78. .        .         .         .    X    .         .         .         .         .         .         .      BANK.
   80. .        .         .         .    X    .         .         .         .         .         .         .         .
   82. .        .         .         .    X    .         .         .         .         .         .         .         .
   84. .        .         .         .    X    .         .         .         .         .         .         .         .
   86. .        .         .         .    X    .         .         .         .         .         .         .         .
   88. .        .         .         .    X    .         .         .         .         .         .         .         .
   90. .        .         .         .    X    .         .         .         .         .         .         .         .
   92. .        .         .         .    X    .         .         .         .         .         .         .         .
   94. .        .         .         .    X    .         .         .         .         .         .         .         .
   96. .        .         .         .    X    .         .         .         .         .         .         .         .
   98. .        .         .         .    X    .         .         .         .         .         .         .         .
  100. .        .         .         .    X    .         .         .         .         .         .         .         .
  102. .        .         .         .    X    .         .         .         .         .         .         .         .
  104. .        .         .         .    X    .         .         .         .         .         .         .         .
    6. .        .         .         .    X    .         .         .         .         .         .         .         .
  108. .        .         .         .    X    .         .         .         .         .         .         .         .
  110. .        .         .         .    X    .         .         .         .         .         .         .         .
  112. .        .         .         .    X    .         .         .         .         .         .         .         .
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    114. .         .         .         .    X   .         .         .         .         .         .         .         .
    116. .         .         .         .    X   .         .         .         .         .         .         .         .
 10 118. .         .         .         .    X   .         .         .         .         .         .         .         .
    120. .         .         .         .  X     .         .         .         .         .         .         .         .
    122. .         .         .         . X      .         .         .         .         .         .         .         .
    124. .         .         .         .X       .         .         .         .         .         .         .         .
    126. .         .         .       X.         .         .         .         .         .         .         .         .
    128. .         .         .     X  .         .         .         .         .         .         .         .         .
    130. .         .         .   X    .         .         .         .         .         .         .         .         .
 11 132. .         .         . X     ..         .         .         .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.63        .00      66.63      28.73      59.33      41.71      59.33      50.05      60.23      64.88
      60.23      66.74      60.93      69.52      62.93      78.79      62.93     117.72      61.63     132.55
1
 CROSS SECTION      1.02
 STREAM  ISRT DITCH B - AFTER REM
 DISCHARGE=      136.


 PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

 ELEV   59.5      60.5      61.5      62.5      63.5      64.5      65.5      66.5      67.5      68.5      69.5


    STA-FEET

  2   0. .         .         .         .         .         .         . X       .         .         .         .         .
      2. .         .         .         .         .         .         .  X      .         .         .         .         .
      4. .         .         .         .         .         .         .  X      .         .         .         .         .
      6. .         .         .         .         .         .         .   X     .         .         .         .         .
      8. .         .         .         .         .         .         .    X    .         .         .         .         .
     10. .         .         .         .         .         .         .    X    .         .         .         .         .
     12. .         .         .         .         .         .         .     X   .         .         .         .         .
     14. .         .         .         .         .         .         .      X .         .         .         .         .
     16. .         .         .         .         .         .         .      X .         .         .         .         .
     18. .         .         .         .         .         .         .       X.         .         .         .         .
     20. .         .         .         .         .         .         .        X         .         .         .         .
     22. .         .         .         .         .         .         .        X         .         .         .         .
     24. .         .         .         .         .         .         .        .X        .         .         .         .
     26. .         .         .         .         .         .         .        . X       .         .         .         .
     28. .         .         .         .         .         .         .        . X       .         .         .         .
  3  30. .         .         .         .         .         .         .        .  X      .         .         .     BANK.
     32. .         .         .         .         .         .         . X       .         .         .         .         .
     34. .         .         .         .         .        .X         .         .         .         .         .         .
     36. .         .         .         .         X         .         .         .         .         .         .         .
     38. .         .         .       X.         .         .         .         .         .         .         .         .
     40. .         .       X .         .         .         .         .         .         .         .         .         .
  4  42. X         . W   E .         .         .         .         .         .         .         .         .         .
     44. X         . W   E .         .         .         .         .         .         .         .         .         .
     46. X         . W   E .         .         .         .         .         .         .         .         .         .
     48. X         . W   E .         .         .         .         .         .         .         .         .         .
     50. X         . W   E .         .         .         .         .         .         .         .         .         .
  5  52. X         . W   E .         .         .         .         .         .         .         .         .         .
     54. .X        . W   E .         .         .         .         .         .         .         .         .         .
     56. . X       . W   E .         .         .         .         .         .         .         .         .         .
     58. .   X     . W   E .         .         .         .         .         .         .         .         .         .
     60. .    X    . W   E .         .         .         .         .         .         .         .         .         .
     62. .     X   . W   E .         .         .         .         .         .         .         .         .         .
     64. .      X  . W   E .         .         .         .         .         .         .         .         .         .
  6  66. .        X. W   E .         .         .         .         .         .         .         .         .         .
  7  68. .        X. W   E .         .         .         .         .         .         .         .         .         .
     70. .         . X  E .         .         .         .         .         .         .         .         .         .
  8  72. .         .    XE .         .         .         .         .         .         .         .         .         .
```

```
    74. .        .        X        .        .        .        .        .        .        .        .
    76. .        .        .  X     .        .        .        .        .        .        .        .
    78. .        .        .     X. .        .        .        .        .        .        .        .
    80. .        .        .        .  X     .        .        .        .        .        .     BANK.
    82. .        .        .        .  X     .        .        .        .        .        .        .
    84. .        .        .        .  X     .        .        .        .        .        .        .
    86. .        .        .        .  X     .        .        .        .        .        .        .
    88. .        .        .        .  X     .        .        .        .        .        .        .
    90. .        .        .        .  X     .        .        .        .        .        .        .
    92. .        .        .        .  X     .        .        .        .        .        .        .
    94. .        .        .        .  X     .        .        .        .        .        .        .
    96. .        .        .        .  X     .        .        .        .        .        .        .
    98. .        .        .        .  X     .        .        .        .        .        .        .
   100. .        .        .        .  X     .        .        .        .        .        .        .
   102. .        .        .        .  X     .        .        .        .        .        .        .
   104. .        .        .        .  X     .        .        .        .        .        .        .
   106. .        .        .        .  X     .        .        .        .        .        .        .
   108. .        .        .        .  X     .        .        .        .        .        .        .
   110. .        .        .        .  X     .        .        .        .        .        .        .
   112. .        .        .        .  X     .        .        .        .        .        .        .
   114. .        .        .        .  X     .        .        .        .        .        .        .
   116. .        .        .        .  X     .        .        .        .        .        .        .
   118. .        .        .        .  X     .        .        .        .        .        .        .
10 120. .        .        .        .  X     .        .        .        .        .        .        .
   122. .        .        .        .  X     .        .        .        .        .        .        .
   124. .        .        .        .  X     .        .        .        .        .        .        .
   126. .        .        .        .X       .        .        .        .        .        .        .
   128. .        .        .     X. .        .        .        .        .        .        .        .
   130. .        .        .    X   .        .        .        .        .        .        .        .
   132. .        .        .   X    .        .        .        .        .        .        .        .
   134. .        .        .  X     .        .        .        .        .        .        .        .
11 136. .        .        . X      .        .        .        .        .        .        .        .

          0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.75       .00      66.75      29.49      59.45      42.81      59.45      51.37      60.35      66.59
      60.35     68.49      61.05      71.35      63.05      80.86      63.05     120.81      61.75     136.03
1
CROSS SECTION      1.03
STREAM  ISRT DITCH B - AFTER REM
DISCHARGE=      136.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   59.6      60.6      61.6      62.6      63.6      64.6      65.6      66.6      67.6      68.6      69.6


    STA-FEET

 2   0. .        .        .        .        .        .        . X      .        .        .        .
     2. .        .        .        .        .        .        .  X     .        .        .        .
     4. .        .        .        .        .        .        .  X     .        .        .        .
     6. .        .        .        .        .        .        .   X    .        .        .        .
     8. .        .        .        .        .        .        .    X   .        .        .        .
    10. .        .        .        .        .        .        .    X   .        .        .        .
    12. .        .        .        .        .        .        .     X  .        .        .        .
    14. .        .        .        .        .        .        .      X .        .        .        .
    16. .        .        .        .        .        .        .      X .        .        .        .
    18. .        .        .        .        .        .        .       X.        .        .        .
    20. .        .        .        .        .        .        .        X        .        .        .
    22. .        .        .        .        .        .        .        X        .        .        .
    24. .        .        .        .        .        .        .        .X       .        .        .
    26. .        .        .        .        .        .        .        . X      .        .        .
    28. .        .        .        .        .        .        .        . X      .        .        .
```

```
 3  30. .        .        .        .        .        .        .        . X      .        .        .    BANK.
    32. .        .        .        .        .        .        . X      .        .        .        .       .
    34. .        .        .        .        .        . X      .        .        .        .        .       .
    36. .        .        .        .        .X       .        .        .        .        .        .       .
    38. .        .        .        X        .        .        .        .        .        .        .       .
    40. .        .        X        .        .        .        .        .        .        .        .       .
    42. .       X. W   E  .        .        .        .        .        .        .        .        .       .
 4  44. X        . W   E  .        .        .        .        .        .        .        .        .       .
    46. X        . W   E  .        .        .        .        .        .        .        .        .       .
    48. X        . W   E  .        .        .        .        .        .        .        .        .       .
    50. X        . W   E  .        .        .        .        .        .        .        .        .       .
 5  52. X        . W   E  .        .        .        .        .        .        .        .        .       .
    54. .X       . W   E  .        .        .        .        .        .        .        .        .       .
    56. . X      . W   E  .        .        .        .        .        .        .        .        .       .
    58. .  X     . W   E  .        .        .        .        .        .        .        .        .       .
    60. .   X    . W   E  .        .        .        .        .        .        .        .        .       .
    62. .    X   . W   E  .        .        .        .        .        .        .        .        .       .
    64. .     X  . W   E  .        .        .        .        .        .        .        .        .       .
    66. .      X . W   E  .        .        .        .        .        .        .        .        .       .
 6  68. .       X. W   E  .        .        .        .        .        .        .        .        .       .
 7  70. .       X. W   E  .        .        .        .        .        .        .        .        .       .
    72. .        .  X  E  .        .        .        .        .        .        .        .        .       .
 8  74. .        .    XE  .        .        .        .        .        .        .        .        .       .
    76. .        .       X        .        .        .        .        .        .        .        .       .
    78. .        .        .  X     .        .        .        .        .        .        .        .       .
    80. .        .        .     X  .        .        .        .        .        .        .        .       .
 9  82. .        .        .        .    X   .        .        .        .        .        .        .    BANK.
    84. .        .        .        .    X   .        .        .        .        .        .        .       .
    86. .        .        .        .    X   .        .        .        .        .        .        .       .
    88. .        .        .        .    X   .        .        .        .        .        .        .       .
    90. .        .        .        .    X   .        .        .        .        .        .        .       .
    92. .        .        .        .    X   .        .        .        .        .        .        .       .
    94. .        .        .        .    X   .        .        .        .        .        .        .       .
    96. .        .        .        .    X   .        .        .        .        .        .        .       .
    98. .        .        .        .    X   .        .        .        .        .        .        .       .
   100. .        .        .        .    X   .        .        .        .        .        .        .       .
   102. .        .        .        .    X   .        .        .        .        .        .        .       .
   104. .        .        .        .    X   .        .        .        .        .        .        .       .
   106. .        .        .        .    X   .        .        .        .        .        .        .       .
   108. .        .        .        .    X   .        .        .        .        .        .        .       .
   110. .        .        .        .    X   .        .        .        .        .        .        .       .
   112. .        .        .        .    X   .        .        .        .        .        .        .       .
   114. .        .        .        .    X   .        .        .        .        .        .        .       .
   116. .        .        .        .    X   .        .        .        .        .        .        .       .
   118. .        .        .        .    X   .        .        .        .        .        .        .       .
   120. .        .        .        .    X   .        .        .        .        .        .        .       .
   122. .        .        .        .    X   .        .        .        .        .        .        .       .
10 124. .        .        .        .    X   .        .        .        .        .        .        .       .
   126. .        .        .        .   X    .        .        .        .        .        .        .       .
   128. .        .        .        .  X     .        .        .        .        .        .        .       .
   130. .        .        .        .X       .        .        .        .        .        .        .       .
   132. .        .        .       X.        .        .        .        .        .        .        .       .
   134. .        .        .      X .        .        .        .        .        .        .        .       .
   136. .        .        .    X   .        .        .        .        .        .        .        .       .
   138. .        .        .  X     .        .        .        .        .        .        .        .       .
11 140. .        .        . X      .        .        .        .        .        .        .        .       .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.88        .00      66.88      30.24      59.58      43.90      59.58      52.68      60.48      68.29
      60.48      70.25      61.18      73.17      63.18      82.93      63.18     123.91      61.88     139.52
1
CROSS SECTION      4.00
STREAM  ISRT DITCH B - AFTER REM
DISCHARGE=      136.
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PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

```
      59.7      60.7      61.7      62.7      63.7      64.7      65.7      66.7      67.7      68.7      69.7

  STA-FEET

2  0. .         .         .         .         .         .         . X       .         .         .         .         .
   2. .         .         .         .         .         .         .  X      .         .         .         .         .
   4. .         .         .         .         .         .         .  X      .         .         .         .         .
   6. .         .         .         .         .         .         .   X     .         .         .         .         .
   8. .         .         .         .         .         .         .    X    .         .         .         .         .
  10. .         .         .         .         .         .         .    X    .         .         .         .         .
  12. .         .         .         .         .         .         .     X   .         .         .         .         .
  14. .         .         .         .         .         .         .      X  .         .         .         .         .
  16. .         .         .         .         .         .         .      X  .         .         .         .         .
  18. .         .         .         .         .         .         .       X.         .         .         .         .
  20. .         .         .         .         .         .         .       X.         .         .         .         .
  22. .         .         .         .         .         .         .        X         .         .         .         .
  24. .         .         .         .         .         .         .        .X        .         .         .         .
  26. .         .         .         .         .         .         .        .X        .         .         .         .
  28. .         .         .         .         .         .         .         . X      .         .         .         .
3 30. .         .         .         .         .         .         .         .  X     .         .         .         BANK.
  32. .         .         .         .         .         .         . X       .         .         .         .         .
  34. .         .         .         .         .         . X       .         .         .         .         .         .
  36. .         .         .         .         . X       .         .         .         .         .         .         .
  38. .         .         .         .X        .         .         .         .         .         .         .         .
  40. .         .         .X        .         .         .         .         .         .         .         .         .
  42. .         X W   E   .         .         .         .         .         .         .         .         .         .
4 44. X         . W   E   .         .         .         .         .         .         .         .         .         .
  46. X         . W   E   .         .         .         .         .         .         .         .         .         .
  48. X         . W   E   .         .         .         .         .         .         .         .         .         .
  50. X         . W   E   .         .         .         .         .         .         .         .         .         .
  52. X         . W   E   .         .         .         .         .         .         .         .         .         .
5 54. X         . W   E   .         .         .         .         .         .         .         .         .         .
  56. .X        . W   E   .         .         .         .         .         .         .         .         .         .
  58. . X       . W   E   .         .         .         .         .         .         .         .         .         .
  60. .  X      . W   E   .         .         .         .         .         .         .         .         .         .
  62. .   X     . W   E   .         .         .         .         .         .         .         .         .         .
  64. .    X    . W   E   .         .         .         .         .         .         .         .         .         .
  66. .     X   . W   E   .         .         .         .         .         .         .         .         .         .
  68. .      X  . W   E   .         .         .         .         .         .         .         .         .         .
6 70. .       X. W   E   .         .         .         .         .         .         .         .         .         .
7 72. .       X. W   E   .         .         .         .         .         .         .         .         .         .
8 74. .         .    XE   .         .         .         .         .         .         .         .         .         .
  76. .         .        X         .         .         .         .         .         .         .         .         .
  78. .         .         .   X    .         .         .         .         .         .         .         .         .
  80. .         .         .     X. .         .         .         .         .         .         .         .         .
  82. .         .         .       . X       .         .         .         .         .         .         .         .
  84. .         .         .         .    X  .         .         .         .         .         .         .         .
9 86. .         .         .         .    X  .         .         .         .         .         .         .         BANK.
  88. .         .         .         .    X  .         .         .         .         .         .         .         .
  90. .         .         .         .    X  .         .         .         .         .         .         .         .
  92. .         .         .         .    X  .         .         .         .         .         .         .         .
  94. .         .         .         .    X  .         .         .         .         .         .         .         .
  96. .         .         .         .    X  .         .         .         .         .         .         .         .
  98. .         .         .         .    X  .         .         .         .         .         .         .         .
 100. .         .         .         .    X  .         .         .         .         .         .         .         .
 102. .         .         .         .    X  .         .         .         .         .         .         .         .
 104. .         .         .         .    X  .         .         .         .         .         .         .         .
  16. .         .         .         .    X  .         .         .         .         .         .         .         .
 108. .         .         .         .    X  .         .         .         .         .         .         .         .
 110. .         .         .         .    X  .         .         .         .         .         .         .         .
 112. .         .         .         .    X  .         .         .         .         .         .         .         .
```

```
    114. .         .         .         .    X   .         .         .         .         .         .         .         .
    116. .         .         .         .    X   .         .         .         .         .         .         .         .
    118. .         .         .         .    X   .         .         .         .         .         .         .         .
    120. .         .         .         .    X   .         .         .         .         .         .         .         .
    122. .         .         .         .    X   .         .         .         .         .         .         .         .
    124. .         .         .         .    X   .         .         .         .         .         .         .         .
    126. .         .         .         .    X   .         .         .         .         .         .         .         .
 10 128. .         .         .         .    X   .         .         .         .         .         .         .         .
    130. .         .         .         .  X     .         .         .         .         .         .         .         .
    132. .         .         .         . X      .         .         .         .         .         .         .         .
    134. .         .         .        .X        .         .         .         .         .         .         .         .
    136. .         .         .       X.         .         .         .         .         .         .         .         .
    138. .         .         .      X .         .         .         .         .         .         .         .         .
    140. .         .         .    X   .         .         .         .         .         .         .         .         .
 11 142. .         .         . X      .         .         .         .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.00        .00      67.00      31.00      59.70      45.00      59.70      54.00      60.60      70.00
      60.60      72.00      61.30      75.00      63.30      85.00      63.30     127.00      62.00     143.00
1
CROSS SECTION      1.01
STREAM  ISRT DITCH B - AFTER REM
DISCHARGE=      136.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   59.8      60.8      61.8      62.8      63.8      64.8      65.8      66.8      67.8      68.8      69.8


    STA-FEET

  2   0. .         .         .         .         .         .         X         .         .         .         .         .
      2. .         .         .         .         .         .      X  .         .         .         .         .         .
      4. .         .         .         .         .         .   X    .         .         .         .         .         .
      6. .         .         .         .         .         . X      .         .         .         .         .         .
      8. .         .         .         .         .         X        .         .         .         .         .         .
     10. .         .         .         .         .      X  .        .         .         .         .         .         .
     12. .         .         .         .         .   X    .         .         .         .         .         .         .
     14. .         .         .         .         . X      .         .         .         .         .         .         .
     16. .         .         .         .       X.         .         .         .         .         .         .         .
  3  18. .         .         .         .     X  .         .         .         .         .         .         .      BANK.
     20. .         .       X.         .         .         .         .         .         .         .         .         .
  4  22. X        .C   WE   .         .         .         .         .         .         .         .         .         .
     24. X        .C   WE   .         .         .         .         .         .         .         .         .         .
     26. X        .C   WE   .         .         .         .         .         .         .         .         .         .
     28. X        .C   WE   .         .         .         .         .         .         .         .         .         .
     30. X        .C   WE   .         .         .         .         .         .         .         .         .         .
     32. X        .C   WE   .         .         .         .         .         .         .         .         .         .
     34. X        .C   WE   .         .         .         .         .         .         .         .         .         .
     36. X        .C   WE   .         .         .         .         .         .         .         .         .         .
  5  38. X        .C   WE   .         .         .         .         .         .         .         .         .         .
     40. . X      .C   WE   .         .         .         .         .         .         .         .         .         .
     42. .   X    .C   WE   .         .         .         .         .         .         .         .         .         .
  6  44. .      X .C   WE   .         .         .         .         .         .         .         .         .      BANK.
     46. .      X .C   WE   .         .         .         .         .         .         .         .         .         .
     48. .      X .C   WE   .         .         .         .         .         .         .         .         .         .
     50. .      X .C   WE   .         .         .         .         .         .         .         .         .         .
     52. .      X .C   WE   .         .         .         .         .         .         .         .         .         .
     54. .      X .C   WE   .         .         .         .         .         .         .         .         .         .
     56. .      X .C   WE   .         .         .         .         .         .         .         .         .         .
     58. .      X .C   WE   .         .         .         .         .         .         .         .         .         .
     60. .      X .C   WE   .         .         .         .         .         .         .         .         .         .
     62. .      X .C   WE   .         .         .         .         .         .         .         .         .         .
```

```
  64. .     X .C  WE .        .        .        .        .        .        .        .        .
  66. .     X .C  WE .        .        .        .        .        .        .        .        .
  68. .     X .C  WE .        .        .        .        .        .        .        .        .
  70. .     X .C  WE .        .        .        .        .        .        .        .        .
  72. .     X .C  WE .        .        .        .        .        .        .        .        .
  74. .     X .C  WE .        .        .        .        .        .        .        .        .
  76. .    X  .C  WE .        .        .        .        .        .        .        .        .
  78. .    X  .C  WE .        .        .        .        .        .        .        .        .
  80. .    X  .C  WE .        .        .        .        .        .        .        .        .
  82. .    X  .C  WE .        .        .        .        .        .        .        .        .
  84. .    X  .C  WE .        .        .        .        .        .        .        .        .
  86. .    X  .C  WE .        .        .        .        .        .        .        .        .
  88. .    X  .C  WE .        .        .        .        .        .        .        .        .
  90. .    X  .C  WE .        .        .        .        .        .        .        .        .
  92. .    X  .C  WE .        .        .        .        .        .        .        .        .
  94. .    X  .C  WE .        .        .        .        .        .        .        .        .
  96. .    X  .C  WE .        .        .        .        .        .        .        .        .
  98. .    X  .C  WE .        .        .        .        .        .        .        .        .
 100. .    X  .C  WE .        .        .        .        .        .        .        .        .
 102. .    X  .C  WE .        .        .        .        .        .        .        .        .
7 104. .   X  .C  WE .        .        .        .        .        .        .        .        .
 106. .     X .C  WE .        .        .        .        .        .        .        .        .
 108. .     X .C  WE .        .        .        .        .        .        .        .        .
 110. .      X .C  WE .        .        .        .        .        .        .        .        .
 112. .      X .C  WE .        .        .        .        .        .        .        .        .
 114. .       X.C  WE .        .        .        .        .        .        .        .        .
 116. .       X.C  WE .        .        .        .        .        .        .        .        .
 118. .        XC  WE .        .        .        .        .        .        .        .        .
 120. .        XC  WE .        .        .        .        .        .        .        .        .
 122. .        .X  WE .        .        .        .        .        .        .        .        .
 124. .        .X  WE .        .        .        .        .        .        .        .        .
 126. .        . X WE .        .        .        .        .        .        .        .        .
  28. .        . X WE .        .        .        .        .        .        .        .        .
  30. .        .  X WE .        .        .        .        .        .        .        .        .
 132. .        .     X .        .        .        .        .        .        .        .        .
 134. .        .       .X       .        .        .        .        .        .        .        .
 136. .        .       .   X    .        .        .        .        .        .        .        .
 138. .        .       .     X  .        .        .        .        .        .        .        .
9 140. .       .       .       . X      .        .        .        .        .        .        .
 142. .        .       .       . X      .        .        .        .        .        .        .
 144. .        .       .       . X      .        .        .        .        .        .        .
 146. .        .       .       . X      .        .        .        .        .        .        .
 148. .        .       .       . X      .        .        .        .        .        .        .
 150. .        .       .       . X      .        .        .        .        .        .        .
 152. .        .       .       . X      .        .        .        .        .        .        .
 154. .        .       .       . X      .        .        .        .        .        .        .
 156. .        .       .       . X      .        .        .        .        .        .        .
 158. .        .       .       . X      .        .        .        .        .        .        .
 160. .        .       .       . X      .        .        .        .        .        .        .
 162. .        .       .       . X      .        .        .        .        .        .        .
 164. .        .       .       . X      .        .        .        .        .        .        .
 166. .        .       .       . X      .        .        .        .        .        .        .
 168. .        .       .       . X      .        .        .        .        .        .        .
 170. .        .       .       . X      .        .        .        .        .        .        .
 172. .        .       .       . X      .        .        .        .        .        .        .
 174. .        .       .       . X      .        .        .        .        .        .        .
 176. .        .       .       . X      .        .        .        .        .        .        .
 178. .        .       .       . X      .        .        .        .        .        .        .
 180. .        .       .       . X      .        .        .        .        .        .        .
 182. .        .       .       . X      .        .        .        .        .        .        .
 184. .        .       .       . X      .        .        .        .        .        .        .
 186. .        .       .       . X      .        .        .        .        .        .        .
  88. .        .       .       . X      .        .        .        .        .        .        .
 190. .        .       .       . X      .        .        .        .        .        .        .
 192. .        .       .       . X      .        .        .        .        .        .        .
 194. .        .       .       . X      .        .        .        .        .        .        .
```

```
   196. .        .        .        . X      .        .        .        .        .        .        .        .
   198. .        .        .        . X      .        .        .        .        .        .        .        .
   200. .        .        .        . X      .        .        .        .        .        .        .        .
   202. .        .        .        . X      .        .        .        .        .        .        .        .
   204. .        .        .        . X      .        .        .        .        .        .        .        .
   206. .        .        .        . X      .        .        .        .        .        .        .        .
10 208. .        .        .        . X      .        .        .        .        .        .        .        .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.78        .00      63.48      17.69      59.78      21.85      59.78      37.46      60.48      43.70
      60.38     104.05      61.08     130.07      63.08     140.47      63.08     208.11
1
CROSS SECTION      1.02
STREAM  ISRT DITCH B - AFTER REM
DISCHARGE=      136.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   59.8      60.8      61.8      62.8      63.8      64.8      65.8      66.8      67.8      68.8      69.8


    STA-FEET

 2   0. .        .        .        .        .        .        X        .        .        .        .        .
     2. .        .        .        .        .        .     X  .        .        .        .        .        .
     4. .        .        .        .        .        .   X    .        .        .        .        .        .
     6. .        .        .        .        .        . X      .        .        .        .        .        .
     8. .        .        .        .        .      X.         .        .        .        .        .        .
    10. .        .        .        .        .    X  .         .        .        .        .        .        .
    12. .        .        .        .        .  X     .         .        .        .        .        .        .
    14. .        .        .        .        . X      .         .        .        .        .        .        .
    16. .        .        .        .      X.         .         .        .        .        .        .        .
 3  18. .        .        .        .    X  .         .         .        .        .        .        .     BANK.
    20. .        .        X.       .        .         .         .        .        .        .        .        .
 4  22. X        .C  W E  .        .        .         .         .        .        .        .        .        .
    24. X        .C  W E  .        .        .         .         .        .        .        .        .        .
    26. X        .C  W E  .        .        .         .         .        .        .        .        .        .
    28. X        .C  W E  .        .        .         .         .        .        .        .        .        .
    30. X        .C  W E  .        .        .         .         .        .        .        .        .        .
    32. X        .C  W E  .        .        .         .         .        .        .        .        .        .
    34. X        .C  W E  .        .        .         .         .        .        .        .        .        .
 5  36. X        .C  W E  .        .        .         .         .        .        .        .        .        .
    38. . X      .C  W E  .        .        .         .         .        .        .        .        .        .
    40. .    X   .C  W E  .        .        .         .         .        .        .        .        .        .
    42. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
 6  44. .      X .C  W E  .        .        .         .         .        .        .        .        .     BANK.
    46. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    48. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    50. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    52. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    54. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    56. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    58. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    60. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    62. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    64. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    66. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    68. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    70. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    72. .      X .C  W E  .        .        .         .         .        .        .        .        .        .
    74. .     X  .C  W E  .        .        .         .         .        .        .        .        .        .
    76. .     X  .C  W E  .        .        .         .         .        .        .        .        .        .
    78. .     X  .C  W E  .        .        .         .         .        .        .        .        .        .
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   80. .    X   .C  W E  .         .         .         .         .         .         .         .         .
   82. .    X   .C  W E  .         .         .         .         .         .         .         .         .
   84. .    X   .C  W E  .         .         .         .         .         .         .         .         .
   86. .    X   .C  W E  .         .         .         .         .         .         .         .         .
   88. .    X   .C  W E  .         .         .         .         .         .         .         .         .
   90. .    X   .C  W E  .         .         .         .         .         .         .         .         .
   92. .    X   .C  W E  .         .         .         .         .         .         .         .         .
   94. .    X   .C  W E  .         .         .         .         .         .         .         .         .
   96. .    X   .C  W E  .         .         .         .         .         .         .         .         .
   98. .    X   .C  W E  .         .         .         .         .         .         .         .         .
  100. .    X   .C  W E  .         .         .         .         .         .         .         .         .
7 102. .    X   .C  W E  .         .         .         .         .         .         .         .         .
  104. .     X  .C  W E  .         .         .         .         .         .         .         .         .
  106. .     X  .C  W E  .         .         .         .         .         .         .         .         .
  108. .      X .C  W E  .         .         .         .         .         .         .         .         .
  110. .      X .C  W E  .         .         .         .         .         .         .         .         .
  112. .       X.C  W E  .         .         .         .         .         .         .         .         .
  114. .       X.C  W E  .         .         .         .         .         .         .         .         .
  116. .        XC  W E  .         .         .         .         .         .         .         .         .
  118. .        XC  W E  .         .         .         .         .         .         .         .         .
  120. .        .X  W E  .         .         .         .         .         .         .         .         .
  122. .        .X  W E  .         .         .         .         .         .         .         .         .
  124. .        . X W E  .         .         .         .         .         .         .         .         .
  126. .        .  XW E  .         .         .         .         .         .         .         .         .
8 128. .        .  XW E  .         .         .         .         .         .         .         .         .
  130. .        .     X  .         .         .         .         .         .         .         .         .
  132. .        .        .X        .         .         .         .         .         .         .         .
  134. .        .        .   X     .         .         .         .         .         .         .         .
  136. .        .        .      X. .         .         .         .         .         .         .         .
9 138. .        .        .        . X       .         .         .         .         .         .         .
  140. .        .        .        . X       .         .         .         .         .         .         .
  142. .        .        .        . X       .         .         .         .         .         .         .
  144. .        .        .        . X       .         .         .         .         .         .         .
    6. .        .        .        . X       .         .         .         .         .         .         .
  148. .        .        .        . X       .         .         .         .         .         .         .
  150. .        .        .        . X       .         .         .         .         .         .         .
  152. .        .        .        . X       .         .         .         .         .         .         .
  154. .        .        .        . X       .         .         .         .         .         .         .
  156. .        .        .        . X       .         .         .         .         .         .         .
  158. .        .        .        . X       .         .         .         .         .         .         .
  160. .        .        .        . X       .         .         .         .         .         .         .
  162. .        .        .        . X       .         .         .         .         .         .         .
  164. .        .        .        . X       .         .         .         .         .         .         .
  166. .        .        .        . X       .         .         .         .         .         .         .
  168. .        .        .        . X       .         .         .         .         .         .         .
  170. .        .        .        . X       .         .         .         .         .         .         .
  172. .        .        .        . X       .         .         .         .         .         .         .
  174. .        .        .        . X       .         .         .         .         .         .         .
  176. .        .        .        . X       .         .         .         .         .         .         .
  178. .        .        .        . X       .         .         .         .         .         .         .
  180. .        .        .        . X       .         .         .         .         .         .         .
  182. .        .        .        . X       .         .         .         .         .         .         .
  184. .        .        .        . X       .         .         .         .         .         .         .
  186. .        .        .        . X       .         .         .         .         .         .         .
  188. .        .        .        . X       .         .         .         .         .         .         .
  190. .        .        .        . X       .         .         .         .         .         .         .
  192. .        .        .        . X       .         .         .         .         .         .         .
  194. .        .        .        . X       .         .         .         .         .         .         .
  196. .        .        .        . X       .         .         .         .         .         .         .
  198. .        .        .        . X       .         .         .         .         .         .         .
  200. .        .        .        . X       .         .         .         .         .         .         .
  202. .        .        .        . X       .         .         .         .         .         .         .
   14. .        .        .        . X       .         .         .         .         .         .         .
  206. .        .        .        . X       .         .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00
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  EL(I),STA(I)
      65.85        .00      63.55      17.46      59.85      21.57      59.85      36.97      60.55      43.14
      60.45     102.70      61.15     128.38      63.15     138.65      63.15     205.41
1
 CROSS SECTION      1.03
 STREAM  ISRT DITCH B - AFTER REM
 DISCHARGE=      136.


 PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

 ELEV   59.9      60.9      61.9      62.9      63.9      64.9      65.9      66.9      67.9      68.9      69.9


    STA-FEET

 2   0. .        .         .         .         .         .         X         .         .         .         .         .
     2. .        .         .         .         .         .       X .         .         .         .         .         .
     4. .        .         .         .         .         .     X   .         .         .         .         .         .
     6. .        .         .         .         .         . X     .         .         .         .         .         .
     8. .        .         .         .         .       X.        .         .         .         .         .         .
    10. .        .         .         .         .     X   .       .         .         .         .         .         .
    12. .        .         .         .         .   X     .       .         .         .         .         .         .
    14. .        .         .         .         .X        .       .         .         .         .         .         .
    16. .        .         .         .       X.          .       .         .         .         .         .         .
 3  18. .        .         .         .     X  .          .       .         .         .         .         .      BANK.
    20. .        .         X.        .         .         .       .         .         .         .         .         .
 4  22. X        .C W E    .         .         .         .       .         .         .         .         .         .
    24. X        .C W E    .         .         .         .       .         .         .         .         .         .
    26. X        .C W E    .         .         .         .       .         .         .         .         .         .
    28. X        .C W E    .         .         .         .       .         .         .         .         .         .
    30. X        .C W E    .         .         .         .       .         .         .         .         .         .
    32. X        .C W E    .         .         .         .       .         .         .         .         .         .
    34. X        .C W E    .         .         .         .       .         .         .         .         .         .
 5  36. X        .C W E    .         .         .         .       .         .         .         .         .         .
    38. . X      .C W E    .         .         .         .       .         .         .         .         .         .
    40. .   X    .C W E    .         .         .         .       .         .         .         .         .         .
 6  42. .     X  .C W E    .         .         .         .       .         .         .         .         .      BANK.
    44. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    46. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    48. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    50. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    52. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    54. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    56. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    58. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    60. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    62. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    64. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    66. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    68. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    70. .     X  .C W E    .         .         .         .       .         .         .         .         .         .
    72. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    74. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    76. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    78. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    80. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    82. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    84. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    86. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    88. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    90. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    92. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    94. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
    96. .    X   .C W E    .         .         .         .       .         .         .         .         .         .
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   98. .    X   .C W E   .         .         .         .         .         .         .         .         .         .
  100. .    X   .C W E   .         .         .         .         .         .         .         .         .         .
7 102. .    X   .C W E   .         .         .         .         .         .         .         .         .         .
  104. .     X  .C W E   .         .         .         .         .         .         .         .         .         .
  106. .     X  .C W E   .         .         .         .         .         .         .         .         .         .
  108. .      X .C W E   .         .         .         .         .         .         .         .         .         .
  110. .      X .C W E   .         .         .         .         .         .         .         .         .         .
  112. .       X.C W E   .         .         .         .         .         .         .         .         .         .
  114. .       X.C W E   .         .         .         .         .         .         .         .         .         .
  116. .        XC W E   .         .         .         .         .         .         .         .         .         .
  118. .        XC W E   .         .         .         .         .         .         .         .         .         .
  120. .        .X W E   .         .         .         .         .         .         .         .         .         .
  122. .        . XW E   .         .         .         .         .         .         .         .         .         .
  124. .        . XW E   .         .         .         .         .         .         .         .         .         .
8 126. .        .  X E   .         .         .         .         .         .         .         .         .         .
  128. .        .     X  .         .         .         .         .         .         .         .         .         .
  130. .        .        .X        .         .         .         .         .         .         .         .         .
  132. .        .        .   X     .         .         .         .         .         .         .         .         .
  134. .        .        .      X. .         .         .         .         .         .         .         .         .
9 136. .        .        .        . X       .         .         .         .         .         .         .         .
  138. .        .        .        . X       .         .         .         .         .         .         .         .
  140. .        .        .        . X       .         .         .         .         .         .         .         .
  142. .        .        .        . X       .         .         .         .         .         .         .         .
  144. .        .        .        . X       .         .         .         .         .         .         .         .
  146. .        .        .        . X       .         .         .         .         .         .         .         .
  148. .        .        .        . X       .         .         .         .         .         .         .         .
  150. .        .        .        . X       .         .         .         .         .         .         .         .
  152. .        .        .        . X       .         .         .         .         .         .         .         .
  154. .        .        .        . X       .         .         .         .         .         .         .         .
  156. .        .        .        . X       .         .         .         .         .         .         .         .
  158. .        .        .        . X       .         .         .         .         .         .         .         .
  160. .        .        .        . X       .         .         .         .         .         .         .         .
   52. .        .        .        . X       .         .         .         .         .         .         .         .
   64. .        .        .        . X       .         .         .         .         .         .         .         .
  166. .        .        .        . X       .         .         .         .         .         .         .         .
  168. .        .        .        . X       .         .         .         .         .         .         .         .
  170. .        .        .        . X       .         .         .         .         .         .         .         .
  172. .        .        .        . X       .         .         .         .         .         .         .         .
  174. .        .        .        . X       .         .         .         .         .         .         .         .
  176. .        .        .        . X       .         .         .         .         .         .         .         .
  178. .        .        .        . X       .         .         .         .         .         .         .         .
  180. .        .        .        . X       .         .         .         .         .         .         .         .
  182. .        .        .        . X       .         .         .         .         .         .         .         .
  184. .        .        .        . X       .         .         .         .         .         .         .         .
  186. .        .        .        . X       .         .         .         .         .         .         .         .
  188. .        .        .        . X       .         .         .         .         .         .         .         .
  190. .        .        .        . X       .         .         .         .         .         .         .         .
  192. .        .        .        . X       .         .         .         .         .         .         .         .
  194. .        .        .        . X       .         .         .         .         .         .         .         .
  196. .        .        .        . X       .         .         .         .         .         .         .         .
  198. .        .        .        . X       .         .         .         .         .         .         .         .
  200. .        .        .        . X       .         .         .         .         .         .         .         .
10 202. .        .        .        . X       .         .         .         .         .         .         .         .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.92        .00       63.63       17.23       59.92       21.28       59.92       36.49       60.63       42.57
      60.52     101.35       61.22      126.69       63.22      136.82       63.22      202.70
1
CROSS SECTION      3.00
    AM  ISRT DITCH 8 - AFTER REM
    IARGE=      136.

PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL
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```
ELEV  60.0      61.0      62.0      63.0      64.0      65.0      66.0      67.0      68.0      69.0      70.0

   STA-FEET

2   0. .        .         .         .         .         .         X         .         .         .         .         .
    2. .        .         .         .         .         .       X .         .         .         .         .         .
    4. .        .         .         .         .         .     X   .         .         .         .         .         .
    6. .        .         .         .         .       . X     .         .         .         .         .         .
    8. .        .         .         .         .     X.        .         .         .         .         .         .
   10. .        .         .         .         .   X   .         .         .         .         .         .         .
   12. .        .         .         .         . X     .         .         .         .         .         .         .
   14. .        .         .         .         .X      .         .         .         .         .         .         .
3  16. .        .         .         .       X .       .         .         .         .         .         .      BANK.
   18. .        .         X.        .         .         .         .         .         .         .         .         .
4  20. X        .CW  E    .         .         .         .         .         .         .         .         .         .
   22. X        .CW  E    .         .         .         .         .         .         .         .         .         .
   24. X        .CW  E    .         .         .         .         .         .         .         .         .         .
   26. X        .CW  E    .         .         .         .         .         .         .         .         .         .
   28. X        .CW  E    .         .         .         .         .         .         .         .         .         .
   30. X        .CW  E    .         .         .         .         .         .         .         .         .         .
   32. X        .CW  E    .         .         .         .         .         .         .         .         .         .
   34. X        .CW  E    .         .         .         .         .         .         .         .         .         .
5  36. X        .CW  E    .         .         .         .         .         .         .         .         .         .
   38. . X      .CW  E    .         .         .         .         .         .         .         .         .         .
   40. .   X    .CW  E    .         .         .         .         .         .         .         .         .         .
6  42. .     X  .CW  E    .         .         .         .         .         .         .         .         .      BANK.
   44. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   46. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   48. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   50. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   52. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   54. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   56. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   58. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   60. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   62. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   64. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   66. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   68. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   70. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
   72. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   74. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   76. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   78. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   80. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   82. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   84. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   86. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   88. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   90. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   92. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   94. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   96. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
   98. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
7 100. .    X   .CW  E    .         .         .         .         .         .         .         .         .         .
  102. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
  104. .     X  .CW  E    .         .         .         .         .         .         .         .         .         .
  106. .      X .CW  E    .         .         .         .         .         .         .         .         .         .
  108. .      X .CW  E    .         .         .         .         .         .         .         .         .         .
  110. .       X.CW  E    .         .         .         .         .         .         .         .         .         .
  112. .       X.CW  E    .         .         .         .         .         .         .         .         .         .
  114. .        XCW  E    .         .         .         .         .         .         .         .         .         .
  116. .        XCW  E    .         .         .         .         .         .         .         .         .         .
  118. .        .XW  E    .         .         .         .         .         .         .         .         .         .
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   120. .        . X  E   .        .        .        .        .        .        .        .        .        .
   122. .        . X  E   .        .        .        .        .        .        .        .        .        .
 8 124. .        .  X E   .        .        .        .        .        .        .        .        .        .
    26. .        .     X  .        .        .        .        .        .        .        .        .        .
    28. .        .        .X       .        .        .        .        .        .        .        .        .
   130. .        .        .   X    .        .        .        .        .        .        .        .        .
   132. .        .        .      X.        .        .        .        .        .        .        .        .
 9 134. .        .        .        . X     .        .        .        .        .        .        .        .
   136. .        .        .        . X     .        .        .        .        .        .        .        .
   138. .        .        .        . X     .        .        .        .        .        .        .        .
   140. .        .        .        . X     .        .        .        .        .        .        .        .
   142. .        .        .        . X     .        .        .        .        .        .        .        .
   144. .        .        .        . X     .        .        .        .        .        .        .        .
   146. .        .        .        . X     .        .        .        .        .        .        .        .
   148. .        .        .        . X     .        .        .        .        .        .        .        .
   150. .        .        .        . X     .        .        .        .        .        .        .        .
   152. .        .        .        . X     .        .        .        .        .        .        .        .
   154. .        .        .        . X     .        .        .        .        .        .        .        .
   156. .        .        .        . X     .        .        .        .        .        .        .        .
   158. .        .        .        . X     .        .        .        .        .        .        .        .
   160. .        .        .        . X     .        .        .        .        .        .        .        .
   162. .        .        .        . X     .        .        .        .        .        .        .        .
   164. .        .        .        . X     .        .        .        .        .        .        .        .
   166. .        .        .        . X     .        .        .        .        .        .        .        .
   168. .        .        .        . X     .        .        .        .        .        .        .        .
   170. .        .        .        . X     .        .        .        .        .        .        .        .
   172. .        .        .        . X     .        .        .        .        .        .        .        .
   174. .        .        .        . X     .        .        .        .        .        .        .        .
   176. .        .        .        . X     .        .        .        .        .        .        .        .
   178. .        .        .        . X     .        .        .        .        .        .        .        .
   180. .        .        .        . X     .        .        .        .        .        .        .        .
   182. .        .        .        . X     .        .        .        .        .        .        .        .
    34. .        .        .        . X     .        .        .        .        .        .        .        .
    36. .        .        .        . X     .        .        .        .        .        .        .        .
   188. .        .        .        . X     .        .        .        .        .        .        .        .
   190. .        .        .        . X     .        .        .        .        .        .        .        .
   192. .        .        .        . X     .        .        .        .        .        .        .        .
   194. .        .        .        . X     .        .        .        .        .        .        .        .
   196. .        .        .        . X     .        .        .        .        .        .        .        .
   198. .        .        .        . X     .        .        .        .        .        .        .        .
10 200. .        .        .        . X     .        .        .        .        .        .        .        .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.00        .00       63.70       17.00       60.00       21.00       60.00       36.00       60.70       42.00
      60.60     100.00       61.30      125.00       63.30      135.00       63.30      200.00
1
CROSS SECTION      1.01
STREAM  ISRT DITCH B - AFTER REM
DISCHARGE=      136.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   60.0      61.0      62.0      63.0      64.0      65.0      66.0      67.0      68.0      69.0      70.0


    STA-FEET

 2   0. .        .        .        .        .        .      X .        .        .        .        .        .
     2. .        .        .        .        .        .     X  .        .        .        .        .        .
     4. .        .        .        .        .        .    X   .        .        .        .        .        .
     6. .        .        .        .        .        .   X    .        .        .        .        .        .
     8. .        .        .        .        .        .  X     .        .        .        .        .        .
    10. .        .        .        .        .        . X      .        .        .        .        .        .
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```
   12. .        .        .        .        .        . X      .        .        .        .        .        .
3  14. .        .        .        .        .        .X       .        .        .        .        .        .
   16. .        .        .        .        .      X .        .        .        .        .        .        .
   18. .        .        .        .      X .        .        .        .        .        .        .        .
   20. .        .        .      X .        .        .        .        .        .        .        .        .
4  22. .        .        .X       .        .        .        .        .        .        .        .        .  BANK.
   24. .        . XW E   .        .        .        .        .        .        .        .        .        .
5  26. X        .  W E   .        .        .        .        .        .        .        .        .        .
   28. X        .  W E   .        .        .        .        .        .        .        .        .        .
   30. X        .  W E   .        .        .        .        .        .        .        .        .        .
   32. X        .  W E   .        .        .        .        .        .        .        .        .        .
   34. X        .  W E   .        .        .        .        .        .        .        .        .        .
   36. X        .  W E   .        .        .        .        .        .        .        .        .        .
6  38. X        .  W E   .        .        .        .        .        .        .        .        .        .
   40. .      X .  W E   .        .        .        .        .        .        .        .        .        .
   42. .        .    X   .        .        .        .        .        .        .        .        .        .
7  44. .        .        .X       .        .        .        .        .        .        .        .        .  BANK.
   46. .        .        .X       .        .        .        .        .        .        .        .        .
   48. .        .        X        .        .        .        .        .        .        .        .        .
   50. .        .        X        .        .        .        .        .        .        .        .        .
   52. .        .        X        .        .        .        .        .        .        .        .        .
   54. .        .       X.        .        .        .        .        .        .        .        .        .
   56. .        .       X.        .        .        .        .        .        .        .        .        .
   58. .        .      X .        .        .        .        .        .        .        .        .        .
   60. .        .      X .        .        .        .        .        .        .        .        .        .
   62. .        .      X .        .        .        .        .        .        .        .        .        .
   64. .        .     X  .        .        .        .        .        .        .        .        .        .
   66. .        .     X  .        .        .        .        .        .        .        .        .        .
   68. .        .     X  .        .        .        .        .        .        .        .        .        .
   70. .        .    X   .        .        .        .        .        .        .        .        .        .
   72. .        .    X   .        .        .        .        .        .        .        .        .        .
   74. .        .   X    .        .        .        .        .        .        .        .        .        .
   76. .        .   X    .        .        .        .        .        .        .        .        .        .
   78. .        .   X    .        .        .        .        .        .        .        .        .        .
   80. .        .  XE    .        .        .        .        .        .        .        .        .        .
   82. .        .  XE    .        .        .        .        .        .        .        .        .        .
   84. .        .  XE    .        .        .        .        .        .        .        .        .        .
   86. .        . X E    .        .        .        .        .        .        .        .        .        .
   88. .        . X E    .        .        .        .        .        .        .        .        .        .
   90. .        . XW E   .        .        .        .        .        .        .        .        .        .
   92. .        . XW E   .        .        .        .        .        .        .        .        .        .
   94. .        . XW E   .        .        .        .        .        .        .        .        .        .
   96. .        .X W E   .        .        .        .        .        .        .        .        .        .
8  98. .        .X W E   .        .        .        .        .        .        .        .        .        .
  100. .        .X W E   .        .        .        .        .        .        .        .        .        .
  102. .        X  W E   .        .        .        .        .        .        .        .        .        .
  104. .        X  W E   .        .        .        .        .        .        .        .        .        .
  106. .        X  W E   .        .        .        .        .        .        .        .        .        .
  108. .       X.  W E   .        .        .        .        .        .        .        .        .        .
  110. .       X.  W E   .        .        .        .        .        .        .        .        .        .
  112. .       X.  W E   .        .        .        .        .        .        .        .        .        .
  114. .      X .  W E   .        .        .        .        .        .        .        .        .        .
  116. .      X .  W E   .        .        .        .        .        .        .        .        .        .
  118. .      X .  W E   .        .        .        .        .        .        .        .        .        .
  120. .     X  .  W E   .        .        .        .        .        .        .        .        .        .
  122. .     X  .  W E   .        .        .        .        .        .        .        .        .        .
  124. .    X   .  W E   .        .        .        .        .        .        .        .        .        .
  126. .    X   .  W E   .        .        .        .        .        .        .        .        .        .
  128. .    X   .  W E   .        .        .        .        .        .        .        .        .        .
  130. .   X    .  W E   .        .        .        .        .        .        .        .        .        .
  132. .   X    .  W E   .        .        .        .        .        .        .        .        .        .
  134. .   X    .  W E   .        .        .        .        .        .        .        .        .        .
  136. .  X     .  W E   .        .        .        .        .        .        .        .        .        .
9 138. .  X     .  W E   .        .        .        .        .        .        .        .        .        .
  140. .  X     .  W E   .        .        .        .        .        .        .        .        .        .
  142. .  X     .  W E   .        .        .        .        .        .        .        .        .        .
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   144. .   X    . W E   .         .         .         .         .         .         .         .         .         .
   146. .   X    . W E   .         .         .         .         .         .         .         .         .         .
   148. .   X    . W E   .         .         .         .         .         .         .         .         .         .
   150. .   X    . W E   .         .         .         .         .         .         .         .         .         .
    52. .    X   . W E   .         .         .         .         .         .         .         .         .         .
   154. .    X   . W E   .         .         .         .         .         .         .         .         .         .
   156. .    X   . W E   .         .         .         .         .         .         .         .         .         .
   158. .    X   . W E   .         .         .         .         .         .         .         .         .         .
   160. .     X  . W E   .         .         .         .         .         .         .         .         .         .
   162. .     X  . W E   .         .         .         .         .         .         .         .         .         .
   164. .     X  . W E   .         .         .         .         .         .         .         .         .         .
   166. .     X  . W E   .         .         .         .         .         .         .         .         .         .
   168. .      X . W E   .         .         .         .         .         .         .         .         .         .
   170. .      X . W E   .         .         .         .         .         .         .         .         .         .
   172. .      X . W E   .         .         .         .         .         .         .         .         .         .
   174. .      X . W E   .         .         .         .         .         .         .         .         .         .
   176. .      X . W E   .         .         .         .         .         .         .         .         .         .
   178. .       X. W E   .         .         .         .         .         .         .         .         .         .
   180. .       X. W E   .         .         .         .         .         .         .         .         .         .
   182. .       X. W E   .         .         .         .         .         .         .         .         .         .
   184. .       X. W E   .         .         .         .         .         .         .         .         .         .
   186. .        X W E   .         .         .         .         .         .         .         .         .         .
   188. .        X W E   .         .         .         .         .         .         .         .         .         .
   190. .        X W E   .         .         .         .         .         .         .         .         .         .
   192. .        X W E   .         .         .         .         .         .         .         .         .         .
   194. .        .X W E  .         .         .         .         .         .         .         .         .         .
10 196. .        .X W E  .         .         .         .         .         .         .         .         .         .
   198. .        . XW E  .         .         .         .         .         .         .         .         .         .
   200. .        . XW E  .         .         .         .         .         .         .         .         .         .
   202. .        .  X E  .         .         .         .         .         .         .         .         .         .
   204. .        .  X E  .         .         .         .         .         .         .         .         .         .
   206. .        .   XE  .         .         .         .         .         .         .         .         .         .
   208. .        .    X  .         .         .         .         .         .         .         .         .         .
    10. .        .    X  .         .         .         .         .         .         .         .         .         .
   212. .        .     X .         .         .         .         .         .         .         .         .         .
   214. .        .     X .         .         .         .         .         .         .         .         .         .
   216. .        .      X .        .         .         .         .         .         .         .         .         .
   218. .        .       X .       .         .         .         .         .         .         .         .         .
   220. .        .       X .       .         .         .         .         .         .         .         .         .
   222. .        .        X.       .         .         .         .         .         .         .         .         .
   224. .        .        X.       .         .         .         .         .         .         .         .         .
   226. .        .         X       .         .         .         .         .         .         .         .         .
   228. .        .         .X      .         .         .         .         .         .         .         .         .
   230. .        .         .X      .         .         .         .         .         .         .         .         .
   232. .        .         . X     .         .         .         .         .         .         .         .         .
   234. .        .         . X     .         .         .         .         .         .         .         .         .
   236. .        .         .  X    .         .         .         .         .         .         .         .         .
   238. .        .         .   X   .         .         .         .         .         .         .         .         .
   240. .        .         .   X   .         .         .         .         .         .         .         .         .
   242. .        .         .    X  .         .         .         .         .         .         .         .         .
   244. .        .         .    X  .         .         .         .         .         .         .         .         .
   246. .        .         .     X .         .         .         .         .         .         .         .         .
   248. .        .         .     X .         .         .         .         .         .         .         .         .
   250. .        .         .      X.         .         .         .         .         .         .         .         .
   252. .        .         .       X.        .         .         .         .         .         .         .         .
   254. .        .         .       X.        .         .         .         .         .         .         .         .
   256. .        .         .        X.       .         .         .         .         .         .         .         .
   258. .        .         .        X.       .         .         .         .         .         .         .         .
   260. .        .         .         X       .         .         .         .         .         .         .         .
   262. .        .         .         .X      .         .         .         .         .         .         .         .
11 264. .        .         .         .X      .         .         .         .         .         .         .         .

          0 ELLC=  9999999.00 ELTRD=  9999999.00

 EL(I),STA(I)
     65.85        .00       65.15       14.55       62.15       22.38       60.05       26.85       60.05       38.04
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      62.15       43.64       61.15       97.35       60.45       137.63       61.15       196.94       63.15       264.07
1
 CROSS SECTION      1.02
 STREAM  ISRT DITCH B - AFTER REM
 DISCHARGE=      136.


 PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

 ELEV   60.1      61.1      62.1      63.1      64.1      65.1      66.1      67.1      68.1      69.1      70.1


    STA-FEET

 2   0. .        .         .         .         .         .         X .       .         .         .         .         .
     2. .        .         .         .         .         .       X .       .         .         .         .         .
     4. .        .         .         .         .         .     X   .       .         .         .         .         .
     6. .        .         .         .         .         .   X     .       .         .         .         .         .
     8. .        .         .         .         .         . X       .       .         .         .         .         .
    10. .        .         .         .         .         .X        .       .         .         .         .         .
    12. .        .         .         .         .         X         .       .         .         .         .         .
 3  14. .        .         .         .         .         X         .       .         .         .         .         .
    16. .        .         .         .         . X       .         .       .         .         .         .         .
    18. .        .         .         . X       .         .         .       .         .         .         .         .
    20. .        .         .       X .         .         .         .       .         .         .         .         .
 4  22. .        .         .X        .         .         .         .       .         .         .         .      BANK.
    24. .       .X  W E    .         .         .         .         .       .         .         .         .         .
 5  26. X        .  W E    .         .         .         .         .       .         .         .         .         .
    28. X        .  W E    .         .         .         .         .       .         .         .         .         .
    30. X        .  W E    .         .         .         .         .       .         .         .         .         .
    32. X        .  W E    .         .         .         .         .       .         .         .         .         .
    34. X        .  W E    .         .         .         .         .       .         .         .         .         .
 6  36. X        .  W E    .         .         .         .         .       .         .         .         .         .
    38. .      X .  W E    .         .         .         .         .       .         .         .         .         .
    40. .        .    X    .         .         .         .         .       .         .         .         .         .
 7  42. .        .         .X        .         .         .         .       .         .         .         .      BANK.
    44. .        .         .X        .         .         .         .       .         .         .         .         .
    46. .        .         X         .         .         .         .       .         .         .         .         .
    48. .        .         X         .         .         .         .       .         .         .         .         .
    50. .        .        X.         .         .         .         .       .         .         .         .         .
    52. .        .        X.         .         .         .         .       .         .         .         .         .
    54. .        .        X.         .         .         .         .       .         .         .         .         .
    56. .        .       X .         .         .         .         .       .         .         .         .         .
    58. .        .       X .         .         .         .         .       .         .         .         .         .
    60. .        .       X .         .         .         .         .       .         .         .         .         .
    62. .        .      X  .         .         .         .         .       .         .         .         .         .
    64. .        .      X  .         .         .         .         .       .         .         .         .         .
    66. .        .     X   .         .         .         .         .       .         .         .         .         .
    68. .        .     X   .         .         .         .         .       .         .         .         .         .
    70. .        .     X   .         .         .         .         .       .         .         .         .         .
    72. .        .    XE   .         .         .         .         .       .         .         .         .         .
    74. .        .    XE   .         .         .         .         .       .         .         .         .         .
    76. .        .   X E   .         .         .         .         .       .         .         .         .         .
    78. .        .   X E   .         .         .         .         .       .         .         .         .         .
    80. .        .   X E   .         .         .         .         .       .         .         .         .         .
    82. .        .  XW E   .         .         .         .         .       .         .         .         .         .
    84. .        .  XW E   .         .         .         .         .       .         .         .         .         .
    86. .        .  XW E   .         .         .         .         .       .         .         .         .         .
    88. .        . X W E   .         .         .         .         .       .         .         .         .         .
    90. .        . X W E   .         .         .         .         .       .         .         .         .         .
    92. .        .X  W E   .         .         .         .         .       .         .         .         .         .
 8  94. .        .X  W E   .         .         .         .         .       .         .         .         .         .
    96. .        .X  W E   .         .         .         .         .       .         .         .         .         .
    98. .        X   W E   .         .         .         .         .       .         .         .         .         .
   100. .        X   W E   .         .         .         .         .       .         .         .         .         .
   102. .        X   W E   .         .         .         .         .       .         .         .         .         .
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   104. .       X.  W E  .       .       .       .       .       .       .       .       .
   106. .       X.  W E  .       .       .       .       .       .       .       .       .
   108. .      X .  W E  .       .       .       .       .       .       .       .       .
    10. .      X .  W E  .       .       .       .       .       .       .       .       .
     2. .      X .  W E  .       .       .       .       .       .       .       .       .
   114. .     X  .  W E  .       .       .       .       .       .       .       .       .
   116. .     X  .  W E  .       .       .       .       .       .       .       .       .
   118. .     X  .  W E  .       .       .       .       .       .       .       .       .
   120. .    X   .  W E  .       .       .       .       .       .       .       .       .
   122. .    X   .  W E  .       .       .       .       .       .       .       .       .
   124. .    X   .  W E  .       .       .       .       .       .       .       .       .
   126. .   X    .  W E  .       .       .       .       .       .       .       .       .
   128. .   X    .  W E  .       .       .       .       .       .       .       .       .
   130. .   X    .  W E  .       .       .       .       .       .       .       .       .
 9 132. .  X     .  W E  .       .       .       .       .       .       .       .       .
   134. .  X     .  W E  .       .       .       .       .       .       .       .       .
   136. .  X     .  W E  .       .       .       .       .       .       .       .       .
   138. .   X    .  W E  .       .       .       .       .       .       .       .       .
   140. .   X    .  W E  .       .       .       .       .       .       .       .       .
   142. .   X    .  W E  .       .       .       .       .       .       .       .       .
   144. .   X    .  W E  .       .       .       .       .       .       .       .       .
   146. .    X   .  W E  .       .       .       .       .       .       .       .       .
   148. .    X   .  W E  .       .       .       .       .       .       .       .       .
   150. .    X   .  W E  .       .       .       .       .       .       .       .       .
   152. .    X   .  W E  .       .       .       .       .       .       .       .       .
   154. .     X  .  W E  .       .       .       .       .       .       .       .       .
   156. .     X  .  W E  .       .       .       .       .       .       .       .       .
   158. .     X  .  W E  .       .       .       .       .       .       .       .       .
   160. .     X  .  W E  .       .       .       .       .       .       .       .       .
   162. .      X .  W E  .       .       .       .       .       .       .       .       .
   164. .      X .  W E  .       .       .       .       .       .       .       .       .
   166. .      X .  W E  .       .       .       .       .       .       .       .       .
    68. .      X .  W E  .       .       .       .       .       .       .       .       .
     0. .       X.  W E  .       .       .       .       .       .       .       .       .
   172. .       X.  W E  .       .       .       .       .       .       .       .       .
   174. .       X.  W E  .       .       .       .       .       .       .       .       .
   176. .       X.  W E  .       .       .       .       .       .       .       .       .
   178. .        X  W E  .       .       .       .       .       .       .       .       .
   180. .        X  W E  .       .       .       .       .       .       .       .       .
   182. .        X  W E  .       .       .       .       .       .       .       .       .
   184. .        X  W E  .       .       .       .       .       .       .       .       .
   186. .        .X W E  .       .       .       .       .       .       .       .       .
   188. .        .X W E  .       .       .       .       .       .       .       .       .
10 190. .        .X W E  .       .       .       .       .       .       .       .       .
   192. .        . X W E  .       .       .       .       .       .       .       .       .
   194. .        . X W E  .       .       .       .       .       .       .       .       .
   196. .        .  XW E  .       .       .       .       .       .       .       .       .
   198. .        .  XW E  .       .       .       .       .       .       .       .       .
   200. .        .   X E  .       .       .       .       .       .       .       .       .
   202. .        .    XE  .       .       .       .       .       .       .       .       .
   204. .        .    XE  .       .       .       .       .       .       .       .       .
   206. .        .     X  .       .       .       .       .       .       .       .       .
   208. .        .      X .       .       .       .       .       .       .       .       .
   210. .        .      X .       .       .       .       .       .       .       .       .
   212. .        .       X .      .       .       .       .       .       .       .       .
   214. .        .       X .      .       .       .       .       .       .       .       .
   216. .        .        X.      .       .       .       .       .       .       .       .
   218. .        .         X      .       .       .       .       .       .       .       .
   220. .        .         X      .       .       .       .       .       .       .       .
   222. .        .         .X     .       .       .       .       .       .       .       .
   224. .        .         . X    .       .       .       .       .       .       .       .
   226. .        .         . X    .       .       .       .       .       .       .       .
    28. .        .         .  X   .       .       .       .       .       .       .       .
   230. .        .         .  X   .       .       .       .       .       .       .       .
   232. .        .         .   X  .       .       .       .       .       .       .       .
   234. .        .         .    X .       .       .       .       .       .       .       .
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   236. .        .        .   X   .        .        .        .        .        .        .        .        .
   238. .        .        .    X  .        .        .        .        .        .        .        .        .
   240. .        .        .    X  .        .        .        .        .        .        .        .        .
   242. .        .        .     X .        .        .        .        .        .        .        .        .
   244. .        .        .      X .       .        .        .        .        .        .        .        .
   246. .        .        .      X .       .        .        .        .        .        .        .        .
   248. .        .        .       X.       .        .        .        .        .        .        .        .
   250. .        .        .        X       .        .        .        .        .        .        .        .
   252. .        .        .        X       .        .        .        .        .        .        .        .
11 254. .        .        .        .X      .        .        .        .        .        .        .        .

NRD=      0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.90        .00      65.20      14.03      62.20      21.59      60.10      25.90      60.10      36.70
      62.20      42.09      61.20      93.90      60.50     132.75      61.20     189.96      63.20     254.72
1
CROSS SECTION      1.03
STREAM  1SRT DITCH B - AFTER REM
DISCHARGE=      136.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   60.2      61.2      62.2      63.2      64.2      65.2      66.2      67.2      68.2      69.2      70.2


    STA-FEET

 2   0. .        .        .        .        .        .       X .        .        .        .        .        .
     2. .        .        .        .        .        .      X  .        .        .        .        .        .
     4. .        .        .        .        .        .     X   .        .        .        .        .        .
     6. .        .        .        .        .        .    X    .        .        .        .        .        .
     8. .        .        .        .        .        .   X     .        .        .        .        .        .
    10. .        .        .        .        .        .  X      .        .        .        .        .        .
    12. .        .        .        .        .        . X       .        .        .        .        .        .
 3  14. .        .        .        .        .        .X        .        .        .        .        .        .
    16. .        .        .        .        .  X     .         .        .        .        .        .        .
    18. .        .        .        .   X    .        .         .        .        .        .        .        .
 4  20. .        .       .XE       .        .        .         .        .        .        .        .     BANK.
    22. .       .X   W   . E       .        .        .         .        .        .        .        .        .
 5  24. X        .   W   . E       .        .        .         .        .        .        .        .        .
    26. X        .   W   . E       .        .        .         .        .        .        .        .        .
    28. X        .   W   . E       .        .        .         .        .        .        .        .        .
    30. X        .   W   . E       .        .        .         .        .        .        .        .        .
    32. X        .   W   . E       .        .        .         .        .        .        .        .        .
    34. X        .   W   . E       .        .        .         .        .        .        .        .        .
 6  36. X        .   W   . E       .        .        .         .        .        .        .        .        .
    38. .      X .   W   . E       .        .        .         .        .        .        .        .        .
 7  40. .        .       .XE       .        .        .         .        .        .        .        .     BANK.
    42. .        .       .XE       .        .        .         .        .        .        .        .        .
    44. .        .       X E       .        .        .         .        .        .        .        .        .
    46. .        .       X E       .        .        .         .        .        .        .        .        .
    48. .        .      X. E       .        .        .         .        .        .        .        .        .
    50. .        .      X. E       .        .        .         .        .        .        .        .        .
    52. .        .      X. E       .        .        .         .        .        .        .        .        .
    54. .        .     X . E       .        .        .         .        .        .        .        .        .
    56. .        .     X . E       .        .        .         .        .        .        .        .        .
    58. .        .    X  . E       .        .        .         .        .        .        .        .        .
    60. .        .    X  . E       .        .        .         .        .        .        .        .        .
    62. .        .    X  . E       .        .        .         .        .        .        .        .        .
    64. .        .   X   . E       .        .        .         .        .        .        .        .        .
    66. .        .   X   . E       .        .        .         .        .        .        .        .        .
    68. .        .  X    . E       .        .        .         .        .        .        .        .        .
    70. .        .  X    . E       .        .        .         .        .        .        .        .        .
    72. .        .  X    . E       .        .        .         .        .        .        .        .        .
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   74. .        .  XW   . E     .       .       .       .       .       .       .       .       .
   76. .        .  XW   . E     .       .       .       .       .       .       .       .       .
   78. .        . X W   . E     .       .       .       .       .       .       .       .       .
   80. .        . X W   . E     .       .       .       .       .       .       .       .       .
   82. .        . X W   . E     .       .       .       .       .       .       .       .       .
   84. .        . X  W  . E     .       .       .       .       .       .       .       .       .
   86. .        . X  W  . E     .       .       .       .       .       .       .       .       .
   88. .        .X   W  . E     .       .       .       .       .       .       .       .       .
 8 90. .        .X   W  . E     .       .       .       .       .       .       .       .       .
   92. .        .X   W  . E     .       .       .       .       .       .       .       .       .
   94. .        X    W  . E     .       .       .       .       .       .       .       .       .
   96. .        X    W  . E     .       .       .       .       .       .       .       .       .
   98. .        X    W  . E     .       .       .       .       .       .       .       .       .
  100. .       X.    W  . E     .       .       .       .       .       .       .       .       .
  102. .       X.    W  . E     .       .       .       .       .       .       .       .       .
  104. .      X .    W  . E     .       .       .       .       .       .       .       .       .
  106. .      X .    W  . E     .       .       .       .       .       .       .       .       .
  108. .      X .    W  . E     .       .       .       .       .       .       .       .       .
  110. .     X  .    W  . E     .       .       .       .       .       .       .       .       .
  112. .     X  .    W  . E     .       .       .       .       .       .       .       .       .
  114. .     X  .    W  . E     .       .       .       .       .       .       .       .       .
  116. .    X   .    W  . E     .       .       .       .       .       .       .       .       .
  118. .    X   .    W  . E     .       .       .       .       .       .       .       .       .
  120. .   X    .    W  . E     .       .       .       .       .       .       .       .       .
  122. .   X    .    W  . E     .       .       .       .       .       .       .       .       .
  124. .   X    .    W  . E     .       .       .       .       .       .       .       .       .
  126. .  X     .    W  . E     .       .       .       .       .       .       .       .       .
 9 128. .  X     .    W  . E     .       .       .       .       .       .       .       .       .
  130. .  X     .    W  . E     .       .       .       .       .       .       .       .       .
  132. .   X    .    W  . E     .       .       .       .       .       .       .       .       .
  134. .   X    .    W  . E     .       .       .       .       .       .       .       .       .
  136. .   X    .    W  . E     .       .       .       .       .       .       .       .       .
  138. .   X    .    W  . E     .       .       .       .       .       .       .       .       .
  140. .    X   .    W  . E     .       .       .       .       .       .       .       .       .
  142. .    X   .    W  . E     .       .       .       .       .       .       .       .       .
  144. .    X   .    W  . E     .       .       .       .       .       .       .       .       .
  146. .    X   .    W  . E     .       .       .       .       .       .       .       .       .
  148. .     X  .    W  . E     .       .       .       .       .       .       .       .       .
  150. .     X  .    W  . E     .       .       .       .       .       .       .       .       .
  152. .     X  .    W  . E     .       .       .       .       .       .       .       .       .
  154. .     X  .    W  . E     .       .       .       .       .       .       .       .       .
  156. .      X .    W  . E     .       .       .       .       .       .       .       .       .
  158. .      X .    W  . E     .       .       .       .       .       .       .       .       .
  160. .      X .    W  . E     .       .       .       .       .       .       .       .       .
  162. .      X .    W  . E     .       .       .       .       .       .       .       .       .
  164. .       X.    W  . E     .       .       .       .       .       .       .       .       .
  166. .       X.    W  . E     .       .       .       .       .       .       .       .       .
  168. .       X.    W  . E     .       .       .       .       .       .       .       .       .
  170. .       X.    W  . E     .       .       .       .       .       .       .       .       .
  172. .        X    W  . E     .       .       .       .       .       .       .       .       .
  174. .        X    W  . E     .       .       .       .       .       .       .       .       .
  176. .        X    W  . E     .       .       .       .       .       .       .       .       .
  178. .        X    W  . E     .       .       .       .       .       .       .       .       .
  180. .        .X   W  . E     .       .       .       .       .       .       .       .       .
10 182. .        .X   W  . E     .       .       .       .       .       .       .       .       .
  184. .        . X  W  . E     .       .       .       .       .       .       .       .       .
  186. .        . X  W  . E     .       .       .       .       .       .       .       .       .
  188. .        .  X W  . E     .       .       .       .       .       .       .       .       .
  190. .        .  XW   . E     .       .       .       .       .       .       .       .       .
  192. .        .  XW   . E     .       .       .       .       .       .       .       .       .
  194. .        .   X   . E     .       .       .       .       .       .       .       .       .
  196. .        .   X   . E     .       .       .       .       .       .       .       .       .
  198. .        .    X  . E     .       .       .       .       .       .       .       .       .
  200. .        .     X . E     .       .       .       .       .       .       .       .       .
  202. .        .     X . E     .       .       .       .       .       .       .       .       .
  204. .        .      X. E     .       .       .       .       .       .       .       .       .
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   206. .        .       X. E      .        .        .        .        .        .        .        .        .
   208. .        .       X. E      .        .        .        .        .        .        .        .        .
   210. .        .        X E      .        .        .        .        .        .        .        .        .
   212. .        .        .XE      .        .        .        .        .        .        .        .        .
   214. .        .        .XE      .        .        .        .        .        .        .        .        .
   216. .        .        . X      .        .        .        .        .        .        .        .        .
   218. .        .        .  X     .        .        .        .        .        .        .        .        .
   220. .        .        .  X     .        .        .        .        .        .        .        .        .
   222. .        .        .   X    .        .        .        .        .        .        .        .        .
   224. .        .        .   X    .        .        .        .        .        .        .        .        .
   226. .        .        .    X   .        .        .        .        .        .        .        .        .
   228. .        .        .     X  .        .        .        .        .        .        .        .        .
   230. .        .        .     X  .        .        .        .        .        .        .        .        .
   232. .        .        .      X .        .        .        .        .        .        .        .        .
   234. .        .        .       X .       .        .        .        .        .        .        .        .
   236. .        .        .       X .       .        .        .        .        .        .        .        .
   238. .        .        .        X.       .        .        .        .        .        .        .        .
   240. .        .        .         X       .        .        .        .        .        .        .        .
   242. .        .        .         X       .        .        .        .        .        .        .        .
   244. .        .        .         .X      .        .        .        .        .        .        .        .
11 246. .        .        .         .X      .        .        .        .        .        .        .        .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.95        .00       65.25       13.52       62.25       20.79       60.15       24.95       60.15       35.35
      62.25      40.55       61.25       90.45       60.55      127.88       61.25      182.98       63.25      245.36
1
CROSS SECTION      2.00
STREAM  ISRT DITCH B - AFTER REM
DISCHARGE=      136.


PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

ELEV   60.2      61.2      62.2      63.2      64.2      65.2      66.2      67.2      68.2      69.2      70.2


    STA-FEET

 2   0. .        .        .        .        .        .      X .        .        .        .        .        .
     2. .        .        .        .        .        .     X  .        .        .        .        .        .
     4. .        .        .        .        .        .    X   .        .        .        .        .        .
     6. .        .        .        .        .        .   X    .        .        .        .        .        .
     8. .        .        .        .        .        .  X     .        .        .        .        .        .
    10. .        .        .        .        .        . X      .        .        .        .        .        .
 3  12. .        .        .        .        .       .X        .        .        .        .        .        .
    14. .        .        .        .       . X       .        .        .        .        .        .        .
    16. .        .        .       .  X      .        .        .        .        .        .        .        .
    18. .        .        .    X   .        .        .        .        .        .        .        .        .
 4  20. .        .       .XE       .        .        .        .        .        .        .        .     BANK.
    22. .       X     W  . E       .        .        .        .        .        .        .        .        .
 5  24. X        .     W  . E       .        .        .        .        .        .        .        .        .
    26. X        .     W  . E       .        .        .        .        .        .        .        .        .
    28. X        .     W  . E       .        .        .        .        .        .        .        .        .
    30. X        .     W  . E       .        .        .        .        .        .        .        .        .
    32. X        .     W  . E       .        .        .        .        .        .        .        .        .
 6  34. X        .     W  . E       .        .        .        .        .        .        .        .        .
    36. .      X .     W  . E       .        .        .        .        .        .        .        .        .
 7  38. .        .       .XE       .        .        .        .        .        .        .        .     BANK.
    40. .        .       .XE       .        .        .        .        .        .        .        .        .
    42. .        .        X E      .        .        .        .        .        .        .        .        .
    44. .        .        X E      .        .        .        .        .        .        .        .        .
    46. .        .       X. E      .        .        .        .        .        .        .        .        .
    48. .        .       X. E      .        .        .        .        .        .        .        .        .
    50. .        .      X . E      .        .        .        .        .        .        .        .        .
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  52. .        .      X . E     .         .         .         .         .         .         .         .         .
  54. .        .      X . E     .         .         .         .         .         .         .         .         .
  56. .        .     X  . E     .         .         .         .         .         .         .         .         .
  58. .        .     X  . E     .         .         .         .         .         .         .         .         .
  60. .        .    X   . E     .         .         .         .         .         .         .         .         .
  62. .        .    X   . E     .         .         .         .         .         .         .         .         .
  64. .        .    X   . E     .         .         .         .         .         .         .         .         .
  66. .        .   XW   . E     .         .         .         .         .         .         .         .         .
  68. .        .   XW   . E     .         .         .         .         .         .         .         .         .
  70. .        .  X W   . E     .         .         .         .         .         .         .         .         .
  72. .        .  X W   . E     .         .         .         .         .         .         .         .         .
  74. .        . X  W   . E     .         .         .         .         .         .         .         .         .
  76. .        . X  W   . E     .         .         .         .         .         .         .         .         .
  78. .        . X  W   . E     .         .         .         .         .         .         .         .         .
  80. .        .X   W   . E     .         .         .         .         .         .         .         .         .
  82. .        .X   W   . E     .         .         .         .         .         .         .         .         .
  84. .        .X   W   . E     .         .         .         .         .         .         .         .         .
8 86. .        .X   W   . E     .         .         .         .         .         .         .         .         .
  88. .        .X   W   . E     .         .         .         .         .         .         .         .         .
  90. .        X    W   . E     .         .         .         .         .         .         .         .         .
  92. .        X    W   . E     .         .         .         .         .         .         .         .         .
  94. .       X.    W   . E     .         .         .         .         .         .         .         .         .
  96. .       X.    W   . E     .         .         .         .         .         .         .         .         .
  98. .       X.    W   . E     .         .         .         .         .         .         .         .         .
 100. .      X .    W   . E     .         .         .         .         .         .         .         .         .
 102. .      X .    W   . E     .         .         .         .         .         .         .         .         .
 104. .      X .    W   . E     .         .         .         .         .         .         .         .         .
 106. .     X  .    W   . E     .         .         .         .         .         .         .         .         .
 108. .     X  .    W   . E     .         .         .         .         .         .         .         .         .
 110. .    X   .    W   . E     .         .         .         .         .         .         .         .         .
 112. .    X   .    W   . E     .         .         .         .         .         .         .         .         .
 114. .    X   .    W   . E     .         .         .         .         .         .         .         .         .
 116. .   X    .    W   . E     .         .         .         .         .         .         .         .         .
 118. .   X    .    W   . E     .         .         .         .         .         .         .         .         .
 120. .  X     .    W   . E     .         .         .         .         .         .         .         .         .
9 122. .  X     .    W   . E     .         .         .         .         .         .         .         .         .
 124. .  X     .    W   . E     .         .         .         .         .         .         .         .         .
 126. .   X    .    W   . E     .         .         .         .         .         .         .         .         .
 128. .   X    .    W   . E     .         .         .         .         .         .         .         .         .
 130. .   X    .    W   . E     .         .         .         .         .         .         .         .         .
 132. .   X    .    W   . E     .         .         .         .         .         .         .         .         .
 134. .    X   .    W   . E     .         .         .         .         .         .         .         .         .
 136. .    X   .    W   . E     .         .         .         .         .         .         .         .         .
 138. .    X   .    W   . E     .         .         .         .         .         .         .         .         .
 140. .    X   .    W   . E     .         .         .         .         .         .         .         .         .
 142. .     X  .    W   . E     .         .         .         .         .         .         .         .         .
 144. .     X  .    W   . E     .         .         .         .         .         .         .         .         .
 146. .     X  .    W   . E     .         .         .         .         .         .         .         .         .
 148. .     X  .    W   . E     .         .         .         .         .         .         .         .         .
 150. .      X .    W   . E     .         .         .         .         .         .         .         .         .
 152. .      X .    W   . E     .         .         .         .         .         .         .         .         .
 154. .      X .    W   . E     .         .         .         .         .         .         .         .         .
 156. .      X .    W   . E     .         .         .         .         .         .         .         .         .
 158. .       X.    W   . E     .         .         .         .         .         .         .         .         .
 160. .       X.    W   . E     .         .         .         .         .         .         .         .         .
 162. .       X.    W   . E     .         .         .         .         .         .         .         .         .
 164. .        X    W   . E     .         .         .         .         .         .         .         .         .
 166. .        X    W   . E     .         .         .         .         .         .         .         .         .
 168. .        X    W   . E     .         .         .         .         .         .         .         .         .
 170. .        X    W   . E     .         .         .         .         .         .         .         .         .
 172. .        .X   W   . E     .         .         .         .         .         .         .         .         .
 174. .        .X   W   . E     .         .         .         .         .         .         .         .         .
 176. .        .X   W   . E     .         .         .         .         .         .         .         .         .
 178. .        . X  W   . E     .         .         .         .         .         .         .         .         .
 180. .        . X  W   . E     .         .         .         .         .         .         .         .         .
 182. .        .  X W   . E     .         .         .         .         .         .         .         .         .
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   184. .        .  X W   . E      .        .        .        .        .        .        .        .        .
   186. .        .  X W   . E      .        .        .        .        .        .        .        .        .
   188. .        .   XW   . E      .        .        .        .        .        .        .        .        .
   190. .        .    X   . E      .        .        .        .        .        .        .        .        .
   192. .        .    X   . E      .        .        .        .        .        .        .        .        .
   194. .        .     X  . E      .        .        .        .        .        .        .        .        .
   196. .        .      X . E      .        .        .        .        .        .        .        .        .
   198. .        .      X . E      .        .        .        .        .        .        .        .        .
   200. .        .       X. E      .        .        .        .        .        .        .        .        .
   202. .        .        X E      .        .        .        .        .        .        .        .        .
   204. .        .        X E      .        .        .        .        .        .        .        .        .
   206. .        .        .XE      .        .        .        .        .        .        .        .        .
   208. .        .        . X      .        .        .        .        .        .        .        .        .
   210. .        .        . X      .        .        .        .        .        .        .        .        .
   212. .        .        .  X     .        .        .        .        .        .        .        .        .
   214. .        .        .   X    .        .        .        .        .        .        .        .        .
   216. .        .        .   X    .        .        .        .        .        .        .        .        .
   218. .        .        .    X   .        .        .        .        .        .        .        .        .
   220. .        .        .     X  .        .        .        .        .        .        .        .        .
   222. .        .        .     X  .        .        .        .        .        .        .        .        .
   224. .        .        .      X .        .        .        .        .        .        .        .        .
   226. .        .        .       X.        .        .        .        .        .        .        .        .
   228. .        .        .       X.        .        .        .        .        .        .        .        .
   230. .        .        .        X.       .        .        .        .        .        .        .        .
   232. .        .        .         X       .        .        .        .        .        .        .        .
   234. .        .        .         X       .        .        .        .        .        .        .        .
11 236. .        .        .         .X      .        .        .        .        .        .        .        .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      66.00        .00      65.30      13.00      62.30      20.00      60.20      24.00      60.20      34.00
      62.30      39.00      61.30      87.00      60.60     123.00      61.30     176.00      63.30     236.00
1
 CROSS SECTION      1.00
 STREAM  ISRT DITCH B - AFTER REM
 DISCHARGE=      136.


 PLOTTED POINTS (BY PRIORITY)-B=BOTTOM BRIDGE,T=TOP BRIDGE,X=GROUND,W=WATER SUR,E=ENERGY GRADIENT,C=CRITICAL WSEL

 ELEV   58.0      59.0      60.0      61.0      62.0      63.0      64.0      65.0      66.0      67.0      68.0


    STA-FEET

 2   0. .        .        .        .        .        .        .        . X      .        .        .        .
     2. .        .        .        .        .        .        . X      .        .        .        .        .
 3   4. .        .        .        .        .        . X      .        .        .        .        .        .
     6. .        .        .        .        .        . X      .        .        .        .        .        .
     8. .        .        .        .        .        . X      .        .        .        .        .        .
 4  10. .        .        .        .        .        . X      .        .        .        .        .     BANK.
    12. .        .        .        .       X. WE     .        .        .        .        .        .        .
    14. .        .        .    X   .        . WE     .        .        .        .        .        .        .
    16. .        . X      . C      .        . WE     .        .        .        .        .        .        .
 5  18. X        .        . C      .        . WE     .        .        .        .        .        .        .
    20. X        .        . C      .        . WE     .        .        .        .        .        .        .
 6  22. X        .        . C      .        . WE     .        .        .        .        .        .        .
    24. .        .        .   X    .        . WE     .        .        .        .        .        .        .
 7  26. .        .        .        .        .        X        .        .        .        .        .     BANK.
    28. .        .        .        .        .       X.        .        .        .        .        .        .
    30. .        .        .        .        .      X .        .        .        .        .        .        .
    32. .        .        .        .        .      X .        .        .        .        .        .        .
    34. .        .        .        .        .     X  .        .        .        .        .        .        .
    36. .        .        .        .        .    X   .        .        .        .        .        .        .
    38. .        .        .        .        .   X    .        .        .        .        .        .        .
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  40. .         .         .         .         .  X      .         .         .         .         .         .         .
  42. .         .         .         .         . XE      .         .         .         .         .         .         .
  44. .         .         .         .         . XE      .         .         .         .         .         .         .
  46. .         .         .         .         . XWE     .         .         .         .         .         .         .
  48. .         .         .         .         .X WE     .         .         .         .         .         .         .
  50. .         .         .         .         X  WE     .         .         .         .         .         .         .
  52. .         .         .         .        X.  WE     .         .         .         .         .         .         .
  54. .         .         .         .       X .  WE     .         .         .         .         .         .         .
  56. .         .         .         .       X .  WE     .         .         .         .         .         .         .
  58. .         .         .         .      X  .  WE     .         .         .         .         .         .         .
  60. .         .         .         .     X   .  WE     .         .         .         .         .         .         .
  62. .         .         .         .    X    .  WE     .         .         .         .         .         .         .
  64. .         .         .         .   X     .  WE     .         .         .         .         .         .         .
  66. .         .         .         . X       .  WE     .         .         .         .         .         .         .
8 68. .         .         .         . X       .  WE     .         .         .         .         .         .         .
  70. .         .         .         . X       .  WE     .         .         .         .         .         .         .
  72. .         .         .         . X       .  WE     .         .         .         .         .         .         .
  74. .         .         .         . X       .  WE     .         .         .         .         .         .         .
  76. .         .         .         .X        .  WE     .         .         .         .         .         .         .
  78. .         .         .         .X        .  WE     .         .         .         .         .         .         .
  80. .         .         .         .X        .  WE     .         .         .         .         .         .         .
  82. .         .         .         .X        .  WE     .         .         .         .         .         .         .
  84. .         .         .         .X        .  WE     .         .         .         .         .         .         .
  86. .         .         .         .X        .  WE     .         .         .         .         .         .         .
  88. .         .         .         .X        .  WE     .         .         .         .         .         .         .
  90. .         .         .         .X        .  WE     .         .         .         .         .         .         .
  92. .         .         .         .X        .  WE     .         .         .         .         .         .         .
  94. .         .         .         .X        .  WE     .         .         .         .         .         .         .
  96. .         .         .         .X        .  WE     .         .         .         .         .         .         .
  98. .         .         .         .X        .  WE     .         .         .         .         .         .         .
 100. .         .         .         .X        .  WE     .         .         .         .         .         .         .
 102. .         .         .         .X        .  WE     .         .         .         .         .         .         .
 104. .         .         .         .X        .  WE     .         .         .         .         .         .         .
 06. .         .         .         .X        .  WE     .         .         .         .         .         .         .
 ,08. .         .         .         X         .  WE     .         .         .         .         .         .         .
 110. .         .         .         X         .  WE     .         .         .         .         .         .         .
 112. .         .         .         X         .  WE     .         .         .         .         .         .         .
 114. .         .         .         X         .  WE     .         .         .         .         .         .         .
 116. .         .         .         X         .  WE     .         .         .         .         .         .         .
 118. .         .         .         X         .  WE     .         .         .         .         .         .         .
 120. .         .         .         X         .  WE     .         .         .         .         .         .         .
 122. .         .         .         X         .  WE     .         .         .         .         .         .         .
 124. .         .         .        X.         .  WE     .         .         .         .         .         .         .
 126. .         .         .        X.         .  WE     .         .         .         .         .         .         .
 128. .         .         .        X.         .  WE     .         .         .         .         .         .         .
 130. .         .         .        X.         .  WE     .         .         .         .         .         .         .
 132. .         .         .        X.         .  WE     .         .         .         .         .         .         .
 134. .         .         .        X.         .  WE     .         .         .         .         .         .         .
 136. .         .         .        X.         .  WE     .         .         .         .         .         .         .
 138. .         .         .        X.         .  WE     .         .         .         .         .         .         .
 140. .         .         .       X .         .  WE     .         .         .         .         .         .         .
 142. .         .         .       X .         .  WE     .         .         .         .         .         .         .
 144. .         .         .       X .         .  WE     .         .         .         .         .         .         .
 146. .         .         .       X .         .  WE     .         .         .         .         .         .         .
 148. .         .         .       X .         .  WE     .         .         .         .         .         .         .
 150. .         .         .       X .         .  WE     .         .         .         .         .         .         .
 152. .         .         .       X .         .  WE     .         .         .         .         .         .         .
 154. .         .         .      X  .         .  WE     .         .         .         .         .         .         .
 156. .         .         .      X  .         .  WE     .         .         .         .         .         .         .
 158. .         .         .      X  .         .  WE     .         .         .         .         .         .         .
 160. .         .         .      X  .         .  WE     .         .         .         .         .         .         .
 162. .         .         .      X  .         .  WE     .         .         .         .         .         .         .
 '64. .         .         .      X  .         .  WE     .         .         .         .         .         .         .
 .66. .         .         .      X  .         .  WE     .         .         .         .         .         .         .
 168. .         .         .      X  .         .  WE     .         .         .         .         .         .         .
 170. .         .         .     X   .         .  WE     .         .         .         .         .         .         .
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    172. .        .        .   X  .        . WE    .        .        .        .        .        .        .
    174. .        .        .   X  .        . WE    .        .        .        .        .        .        .
  9 176. .        .        .   X  .        . WE    .        .        .        .        .        .        .
    178. .        .        .   X  .        . WE    .        .        .        .        .        .        .
    180. .        .        .   X  .        . WE    .        .        .        .        .        .        .
    182. .        .        .    X .        . WE    .        .        .        .        .        .        .
    184. .        .        .    X .        . WE    .        .        .        .        .        .        .
    186. .        .        .    X .        . WE    .        .        .        .        .        .        .
    188. .        .        .    X .        . WE    .        .        .        .        .        .        .
    190. .        .        .    X .        . WE    .        .        .        .        .        .        .
    192. .        .        .     X .       . WE    .        .        .        .        .        .        .
    194. .        .        .     X .       . WE    .        .        .        .        .        .        .
    196. .        .        .     X .       . WE    .        .        .        .        .        .        .
    198. .        .        .     X .       . WE    .        .        .        .        .        .        .
    200. .        .        .     X .       . WE    .        .        .        .        .        .        .
    202. .        .        .     X .       . WE    .        .        .        .        .        .        .
    204. .        .        .      X.       . WE    .        .        .        .        .        .        .
    206. .        .        .      X.       . WE    .        .        .        .        .        .        .
    208. .        .        .      X.       . WE    .        .        .        .        .        .        .
    210. .        .        .      X.       . WE    .        .        .        .        .        .        .
    212. .        .        .      X.       . WE    .        .        .        .        .        .        .
    214. .        .        .       X       . WE    .        .        .        .        .        .        .
    216. .        .        .       X       . WE    .        .        .        .        .        .        .
    218. .        .        .       X       . WE    .        .        .        .        .        .        .
    220. .        .        .       X       . WE    .        .        .        .        .        .        .
    222. .        .        .       X       . WE    .        .        .        .        .        .        .
    224. .        .        .       .X      . WE    .        .        .        .        .        .        .
    226. .        .        .       .X      . WE    .        .        .        .        .        .        .
    228. .        .        .       .X      . WE    .        .        .        .        .        .        .
    230. .        .        .       .X      . WE    .        .        .        .        .        .        .
    232. .        .        .       .X      . WE    .        .        .        .        .        .        .
    234. .        .        .       .X      . WE    .        .        .        .        .        .        .
    236. .        .        .       . X     . WE    .        .        .        .        .        .        .
    238. .        .        .       . X     . WE    .        .        .        .        .        .        .
    240. .        .        .       . X     . WE    .        .        .        .        .        .        .
    242. .        .        .       . X     . WE    .        .        .        .        .        .        .
    244. .        .        .       . X     . WE    .        .        .        .        .        .        .
    246. .        .        .       .  X    . WE    .        .        .        .        .        .        .
    248. .        .        .       .  X    . WE    .        .        .        .        .        .        .
 10 250. .        .        .       .  X    . WE    .        .        .        .        .        .        .
    252. .        .        .       .       .    X  .        .        .        .        .        .        .
 11 254. .        .        .       .       .      . X      .        .        .        .        .        .

NRD=       0 ELLC=  9999999.00 ELTRD=  9999999.00

  EL(I),STA(I)
      65.30        .00      63.30       4.00      63.20      10.00      58.00      18.00      58.00      23.00
      63.00      27.00      61.30      68.00      60.60     177.00      61.30     251.00      63.30     254.00
1
PROFILE FOR STREAM  ISRT DITCH B - AFTER REM


PLOTTED POINTS (BY PRIORITY) E-ENERGY,W-WATER SURFACE,I-INVERT,C-CRITICAL W.S.,L-LEFT BANK,R-RIGHT BANK,M-LOWER END STA


ELEVATION   58.      59.      60.      61.      62.      63.      64.      65.      66.      67.
    SECNO  CUMDIS

     6.00    0. I        .  W    .E       .        .        .M R     .        .        .        .L       .
            10. .I       .  C W  .E       .        .     M R.        .        .        .     L  .       .
            20. .  I     .  C  W .E       .        .  M R   .        .        .        .  L     .       .
     1.01   30. .  I     .  C   W.E       .        .M R     .        .        .        .L       .       .
            40. .    I   .   C W . E      .        .  M R   .        .        .        .  L     .       .
     1.02   50. .     I  .     W . E      .        .   M R  .        .        .        .   L    .       .
```

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          60.  .      I .       W.   E   .        .    M R .        .        .        .    L  .        .
          70.  .      I.        .W   E   .        .    M R.         .        .        .    L  .        .
    1.03  80.  .       I        .W    E  .        .     M R         .        .        .     L .        .
          90.  .      .I        .  W   E .        .      M.R        .        .        .      L.        .
    5.00 100.  .       .  I     .   W   E         .       .M R      .        .        .       .L        .
         110.  .       .  I     .    W  .E        .   M    . R      .        .        .      L.        .
         120.  .       .  I     .     W .E       M        .R       .        .        .     L .        .
    1.01 130.  .       .  I     .     W .E     M  .       R         .        .        .    L  .        .
         140.  .       .   I    .     W . E     M .       .R        .        .        .     L .        .
    1.02 150.  .       .   I    .      W .  E   M .       .R        .        .        .     L .        .
         160.  .       .    I   .       W.  E    M.       . R       .        .        .      L.        .
         170.  .       .     I  .       W.  E     M        .  R     .        .        .       L        .
    1.03 180.  .       .     I  .       W.  E     M        .  R     .        .        .       L        .
         190.  .       .     I  .        W   E    M        .  R     .        .        .       L        .
    4.00 200.  .       .      I .        W    E   .M       .   R    .        .        .       .L       .
         210.  .       .      I .        CW   E   .   R    .        .        .      L.        .        .
         220.  .       .       I.        C  W E   .      M .        .      L .        .        .        .
    1.01 230.  .       .       I.     R  C   WE   .       . M   L   .        .        .        .        .
         240.  .       .       I.     R  C   WE   .       . M   L   .        .        .        .        .
         250.  .       .       I.     R  C   WE   .       . M   L   .        .        .        .        .
    1.02 260.  .       .       I.     R  C   WE   .       .  M  L   .        .        .        .        .
         270.  .       .        I      R  .C  WE   .       .  M   L  .        .        .        .        .
         280.  .       .        I      R  .C  WE   .       .  M   L  .        .        .        .        .
    1.03 290.  .       .        I      R  .C  WE   .       .  M   L  .        .        .        .        .
         300.  .       .        I       R . CW E   .       .  M    L .        .        .        .        .
         310.  .       .       .I       R . CW E   .       .   M   L .        .        .        .        .
    3.00 320.  .       .       .I       R . CW  E  .       .   M   L .        .        .        .        .
         330.  .       .       .I        .  CWRE   .       .L M      .        .        .        .        .
    1.01 340.  .       .       .I        .   W  E  . L     . M       .        .        .        .        .
         350.  .       .       . I       .    W E  . L     . M       .        .        .        .        .
    1.02 360.  .       .       . I       .     W E . L     . M       .        .        .        .        .
         370.  .       .       . I       .      W  .E L    . M       .        .        .        .        .
         380.  .       .       . I       .       W . LE    . M       .        .        .        .        .
    1.03 390.  .       .        . I      .       W . LE    . M       .        .        .        .        .
         400.  .       .        . I      .       W .  LE   .  M      .        .        .        .        .
    2.00 410.  .       .        . I      .        W.  LE   .  M      .        .        .        .        .
         420.  .       .      I .        .     C  W   EL   .  M      .        .        .        .        .
         430.  .       .  I     .        . C      .W   E RL .  M      .        .        .        .        .
         440.  .      I.        .        C        . W  E  R L  M      .        .        .        .        .
         450.  .   I   .        .      C .        . W E   RL  M      .        .        .        .        .
    1.00 460. .1       .        .   C    .        .  WE   .R LM      .        .        .        .        .
1
  10/31/91      12:22:18                                                                          PAGE   10


                                                                  THIS RUN EXECUTED 10/31/91     12:22:39
*************************************************
  HEC2 RELEASE DATED SEP 88 UPDATED APR  1989


  ERROR CORR -  01,02
  MODIFICATION -
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST


     DITCH B - AFTER REM

    ARY PRINTOUT


      SECNO     XLCH      CWSEL    TOPWID     TIME       QCH       VCH        Q       SSTA      ENDST
```

*	6.000	.00	59.44	22.06	.00	136.00	5.88	136.00	106.84	128.90
	5.000	100.00	60.36	22.38	.01	136.00	5.82	136.00	106.22	128.60
	4.000	97.00	60.93	30.76	.01	136.00	5.27	136.00	42.65	73.40
	3.000	120.00	61.22	102.84	.02	107.13	4.36	136.00	19.67	122.51
	2.000	86.00	61.78	16.78	.03	136.00	6.42	136.00	20.99	37.77
*	1.000	48.00	62.29	15.04	.03	136.00	3.16	136.00	11.39	26.44

1

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 6.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

WARNING SECNO= 1.000 PROFILE= 1 CONVEYANCE CHANGE OUTSIDE ACCEPTABLE RANGE