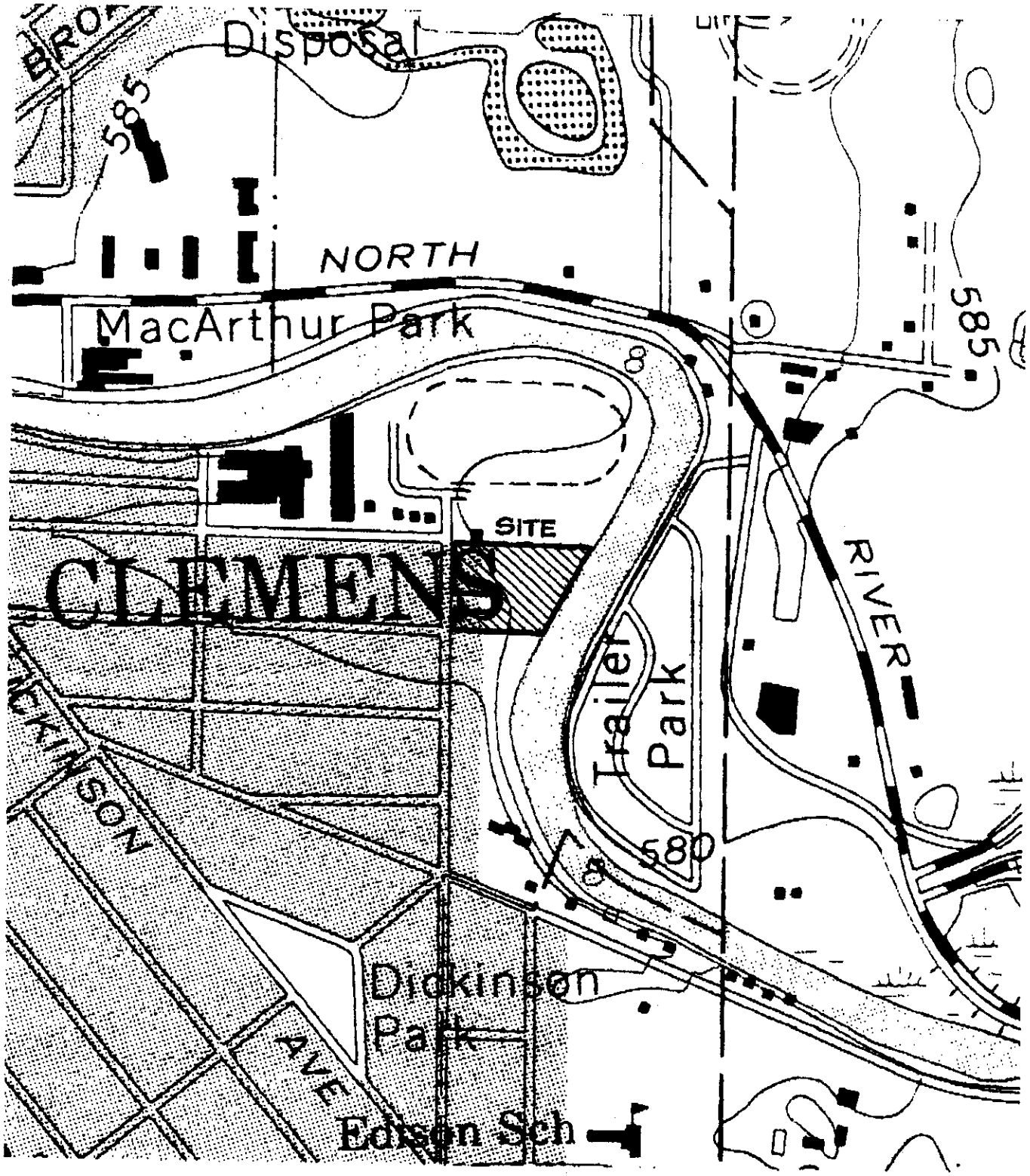


U.S.G.S. QUADRANGLE

'MT. CLEMENS EAST' QUAD

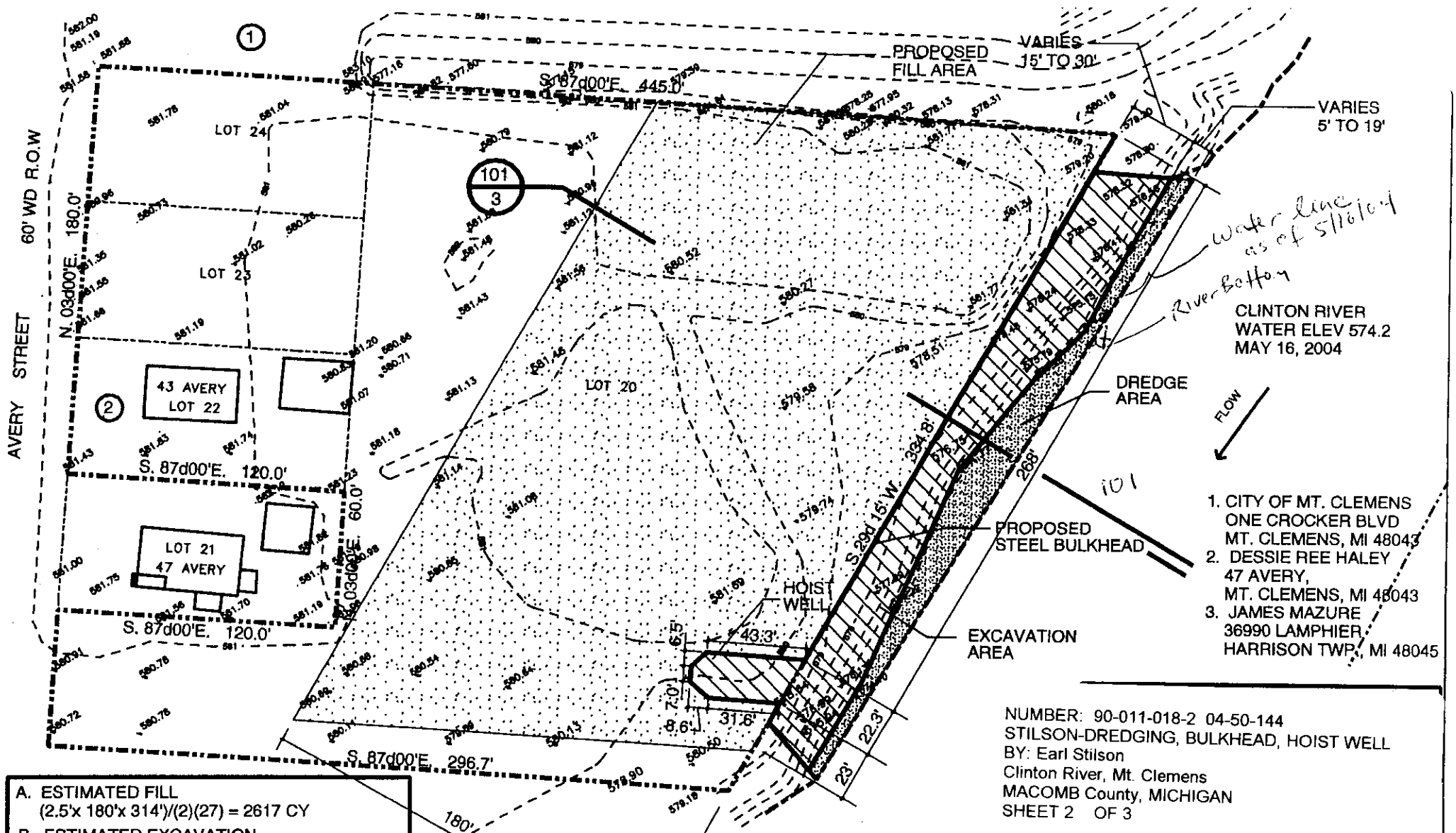
SCALE : 1" = 500'

(BWA FILE 04-140)

NUMBER: 90-011-018-2 04-50-144
STILSON-DREDGING, BULKHEAD, HOIST WELL
BY: Earl Stilson
Clinton River, Mt. Clemens
MACOMB County, MICHIGAN
SHEET 1 OF 3

NORTH

FIGURE 3



A. ESTIMATED FILL
(2.5'x 180'x 314')/(2)(27) = 2617 CY

B. ESTIMATED EXCAVATION
314'{(10')(9')+(12.5')[(9')-(4'/2)]}/27 = 2062 CY

C. ESTIMATED DREDGING
314'(12')(5')/(2)(27) = 349 CY

D. ESTIMATED HOIST WELL
37.5'(10')(20')/(27) = 278 CY

E. ESTIMATED RIP-RAP
291'(5')(5')/(2)(27) = 135 CY

NET FILL IN DESINATED 100 YR
FLOOD PLAIN = (A+E) - (B+C+D) = 63 CY

RECEIVED
JUN 30

SITE PLAN
SCALE: 1" = 60'

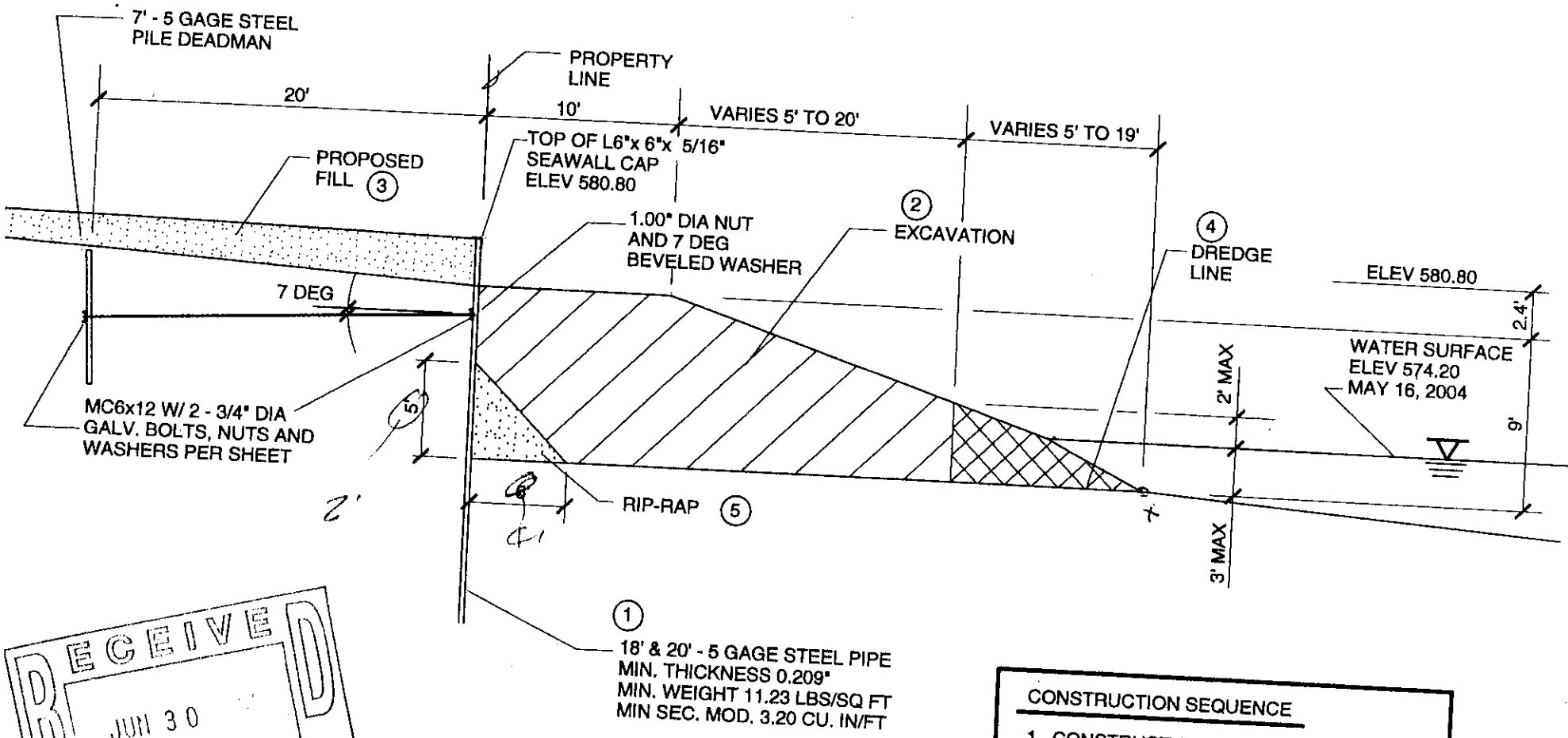
NUMBER: 90-011-018-2 04-50-144
STILSON-DREDGING, BULKHEAD, HOIST WELL
BY: Earl Stilson
Clinton River, Mt. Clemens
MACOMB County, MICHIGAN
SHEET 2 OF 3

BENCH MARK
TOP NUT OF HYDRANT AT
SOUTHWEST CORNER OF
GIBBS AND AVERY
ELEV. 582.53

ELEVATIONS ARE IN FEET AND ARE REFERRED TO LOW WATER DATUM, 571.0' ON I.G.L.D. 1985 DETERMINED FROM MEAN WATER LEVEL AT FATHER POINT QUIBEC, CANADA

SITE PLAN
APPLICANT: EARL STILSON
WATERWAY: CLINTON RIVER
CITY: MOUNT CLEMENTS,
COUNTY: MACOMB
DATE: 06.11.04

DRAWING 2 of 3



RECEIVED
JUN 30
DEQ - GLMD
DISTRICT 10

SECTION

101 / 1

SCALE: 1/8" = 1'-0"

DEPTHS ARE IN FEET AND ARE REFERRED TO LOW WATER DATUM, 571.5' ON I.G.L.D. DETERMINED FROM MEAN WATER LEVEL AT FATHER POINT QUIBEC, CANADA. ELEVATIONS SHOWN ARE ALSO C

:ALE: 1/8" = 1'-0"

CONSTRUCTION SEQUENCE

1. CONSTRUCT STEEL BULKHEAD
2. REMOVE EXCAVATION
3. PLACE EXCAVATION BEHIND BULKHEAD
4. COMPLETE DREDGING
5. PLACE RIP-RAP

Earl Stilson

NOTE:

ALL DREDGE SPOIL TO BE PLACED WITHIN CONFILED AREA ON SITE TO DRY OUT AND THEN TRUCKED TO AN APPROVED LEVEL ONE (1) LAND FILL FOR DISPOSAL

NUMBER: 90-011-018-2 04-50-144
STILSON-DREDGING, BULKHEAD, HOIST WELL
BY: Earl Stilson
Clinton River, Mt. Clemens
MACOMB County, MICHIGAN
SHEET 3 OF 3

DRAWING 3 of 3