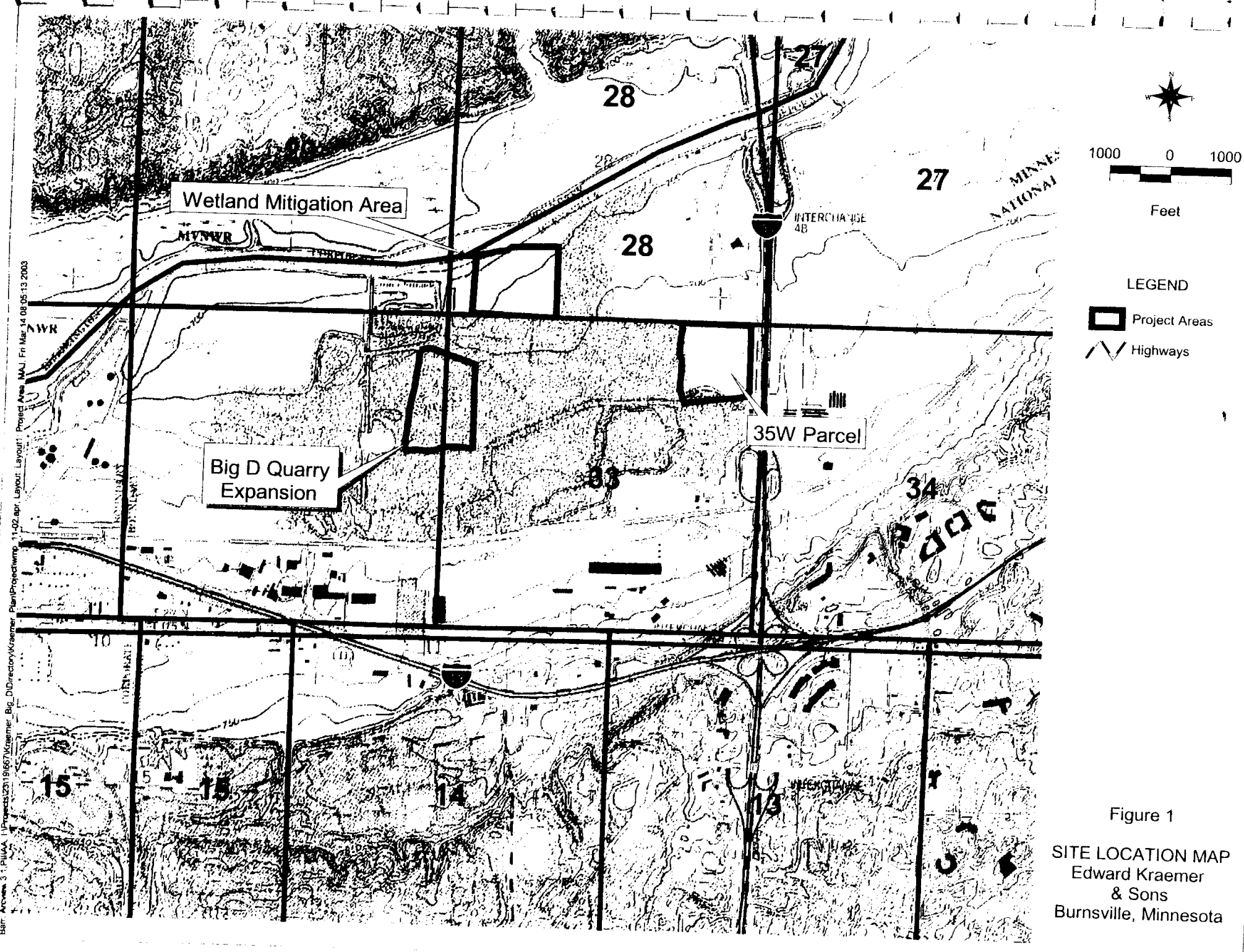


Figure 1

SITE LOCATION MAP
Edward Kraemer
& Sons
Burnsville, Minnesota

2001-00606-JY

Legend

317	Oshawa silty clay loam - *Hydric*
408	Faxon silty clay loam - *Hydric*
463	Minneiska loam, occasionally flooded - *Not Hydric*
465	Kalmarville sandy loam, frequently flooded - *Hydric*
539	Palms muck - *Hydric*
540	Seelyeville muck - *Hydric*
545	Rondeau muck - *Hydric*
1055	Aquols and histosols - *Hydric*

N

0 ¼ ½

Approximate Scale in Miles

Figure 2

DAKOTA COUNTY SOIL SURVEY
Edward Kraemer & Sons
Burnsville, Minnesota

P:2319667 EdwardKraemer&SonsSoilSurveydec2002 CDR rlg 03-21-03

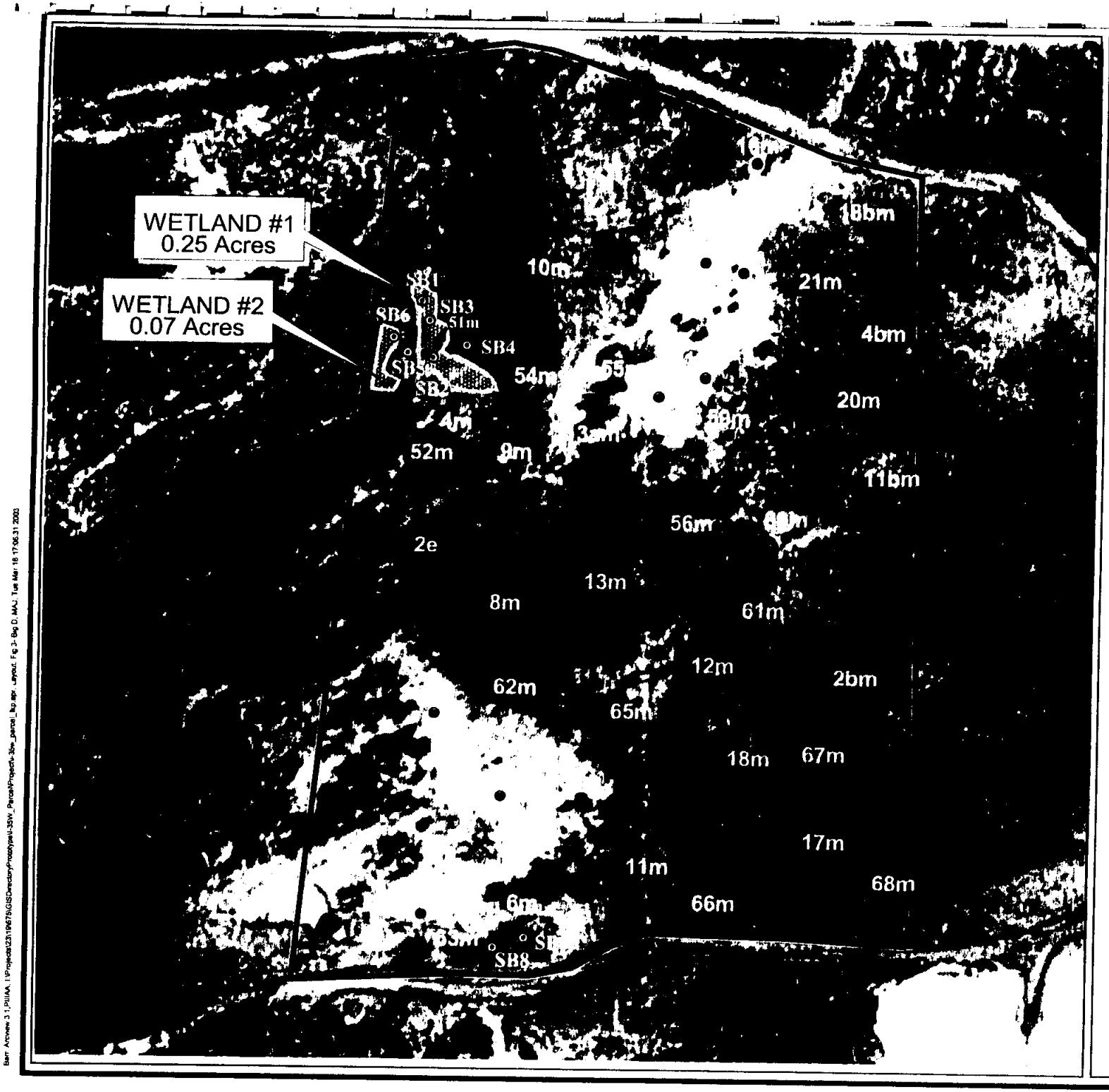


Figure 5

WETLAND DELINEATIONS
Big D Parcel
Edward Kraemer & Sons
Burnsville, Minnesota

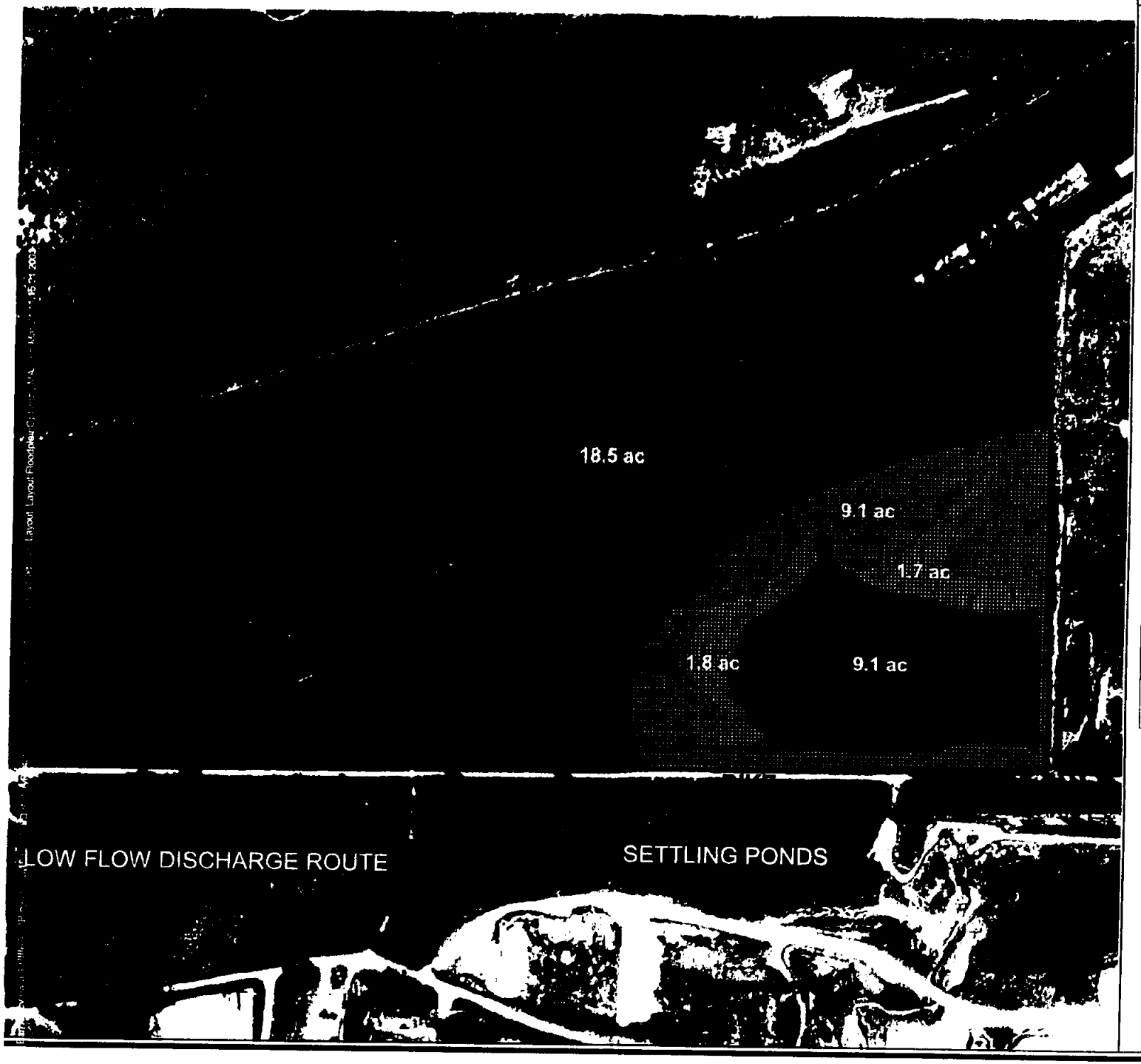
Barr Arcview 3.1,PIUKA, I:\Projects\23\19675\GIS\Directory\Prototypes\U-35W_Parcel\Projects-35w_parcel_fig.apr, Layout, Fig 3- Big D, MAJ, Tue Mar 18 17:06:31 2003

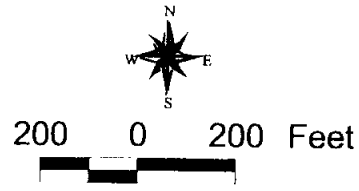
Figure 6

WETLAND DELINEATIONS
35W PARCEL
Edward Kraemer & Sons
Burnsville, Minnesota

Figure 6

WETLAND DELINEATION
35W EAPCET
Edward Kraemer & Sons
Burnsville, Minnesota





LEGEND

Feature

- **Existing Wetland** 18.5
- **Upland Buffer** 9.1
- **Wetland Restoration** 9.1
- **Hydrologic Restoration** 1.8+1.7

Feature Area (acres)

Source: September 2002 digital orthoquad

Figure 3

WETLAND MITIGATION FEATURES AND SOIL SURVEY
Edward Kraemer & Sons
Burnsville, Minnesota

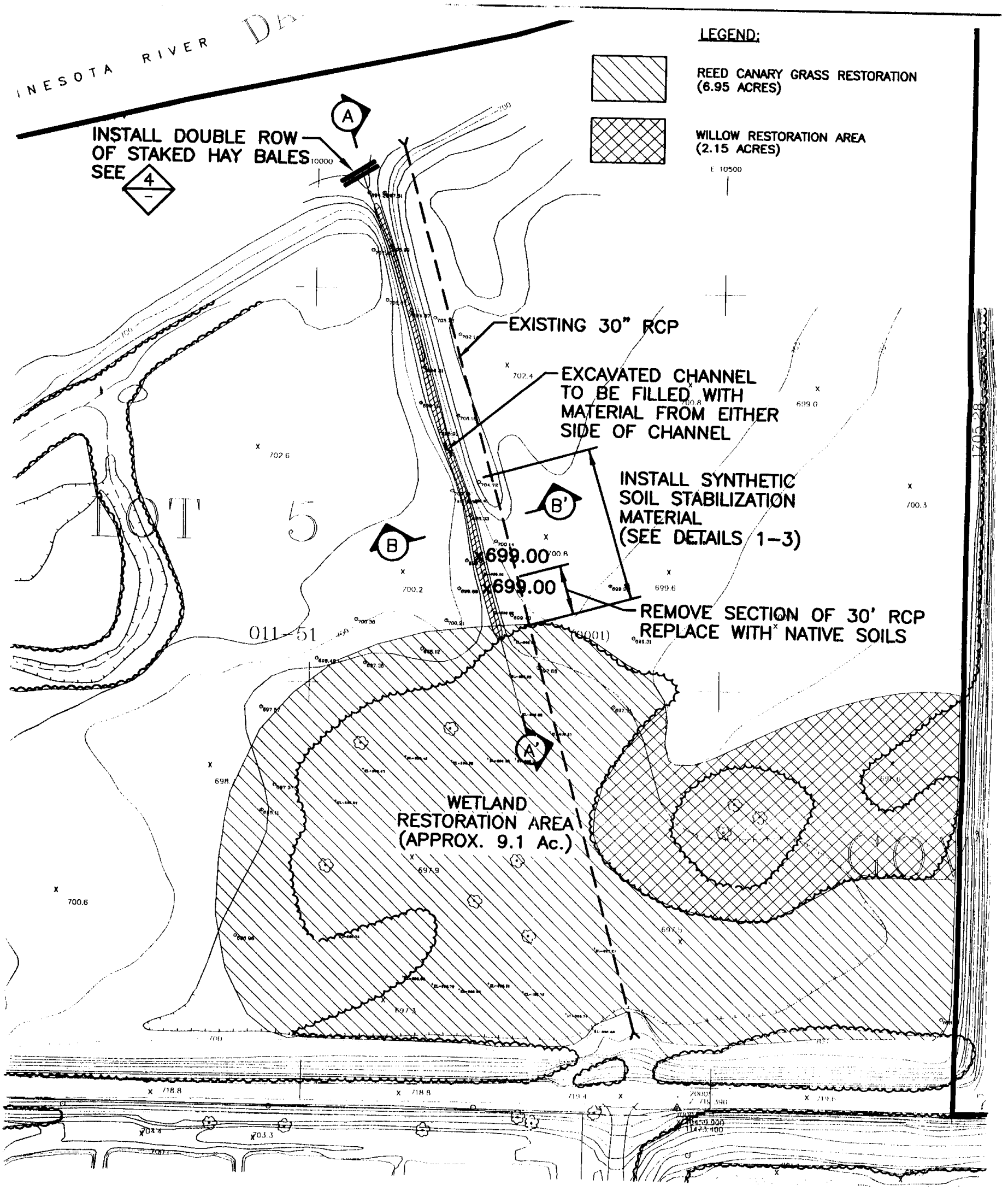
Floodplain Seed Mix

Grasses

Scientific Name	Common Name	Wetland Indicator	Percent By Weight	Seeding Rate (lbs/ac)
Andropogon gerardii	big bluestem	FAC-	5.0%	0.6
Bromus ciliatus	fringed brome	FACW	5.0%	0.6
Carex vulpinoidea	brown fox sedge	OBL	5.0%	0.6
Carex hystericina	porcupine sedge	OBL	5.0%	0.6
Carex lurida	shallow sedge	OBL	5.0%	0.6
Elymus canadensis	Canada wildrye	FAC-	18.0%	2.16
Panicum virgatum	switchgrass	FAC+	15.0%	1.8
Calamagrostis canadensis	bluejoint	OBL	3.0%	0.36
Elymus virginicus	Virginia wildrye	FACW-	15.0%	1.8
Scirpus atrovirens	green bulrush	OBL	3.0%	0.36
Scirpus cyperinus	woolgrass	OBL	2.0%	0.24
Scirpus fluviatilis	river bulrush	OBL	1.0%	0.12
Sparganium eurycarpum	broadfruit burreed	OBL	5.0%	0.6
Spartina pectinata	prairie cordgrass	FACW+	8.0%	0.96
Leersia oryzoides	rice cut grass	OBL	5.0%	0.6
Subtotal			100.0%	**12.0**
Avena sativa	common oat	NI		**15.0**

Forbs

Scientific Name	Common Name	Wetland Indicator	Percent By Weight	Rate (lbs/ac)
Agastache foeniculum	Fragrant giant hyssop	FACU	2%	0.06
Alisma subcordatum	American water plantain	OBL	6%	0.18
Asclepias incarnata	swamp milkweed	OBL	4%	0.12
Aster laevis	smooth aster	FACU-	1%	0.03
Aster lanceolatus	white panicle aster	FACW	4%	0.12
Aster novae-angliae	New England aster	FACW	5%	0.15
Aster puniceus	purplestem aster	OBL	5%	0.15
Aster umbellatus	parasol aster	FACW	1%	0.03
Desmodium canadense	showy ticktrefoil	FAC-	2%	0.06
Eupatorium maculatum	spotted joepyeweed	OBL	12%	0.36
Eupatorium perfoliatum	common boneset	FACW+	6%	0.18
Euthamia graminifolia	flattop goldentop	FACW-	2%	0.06
Helenium autumnale	common sneezeweed	FACW+	1%	0.03
Helianthus giganteus	giant sunflower	FACW	2%	0.06
Heliopsis helianthoides	sunflower heliopsis	FACU-	5%	0.15
Iris versicolor	harlequin blueflag	OBL	2%	0.06
Liatris pycnostachya	cattail gayfeather	FAC-	8%	0.24
Monarda fistulosa	wild bergamot	FACU	2%	0.06
Petalostemum purpureum	Purple prairie clover	NI	2%	0.06
Pycnanthemum virginianum	Virginia mountainmint	FACW+	1%	0.03
Rudbeckia hirta	blackeyed Susan	FACU	3%	0.09
Solidago rigida	stiff goldenrod	FACU-	2%	0.06
Thalictrum dasycarpum	purple meadowrue	FACW-	4%	0.12
Verbena hastata	swamp verbena	FACW+	8%	0.24
Vernonia fasciculata	prairie ironweed	FACW	4%	0.12
Veronicastrum virginicum	Culver's root	FAC	2%	0.06
Zizia aurea	golden zizia	FAC+	4%	0.12
Subtotal				**3.0**



MITIGATION AREA

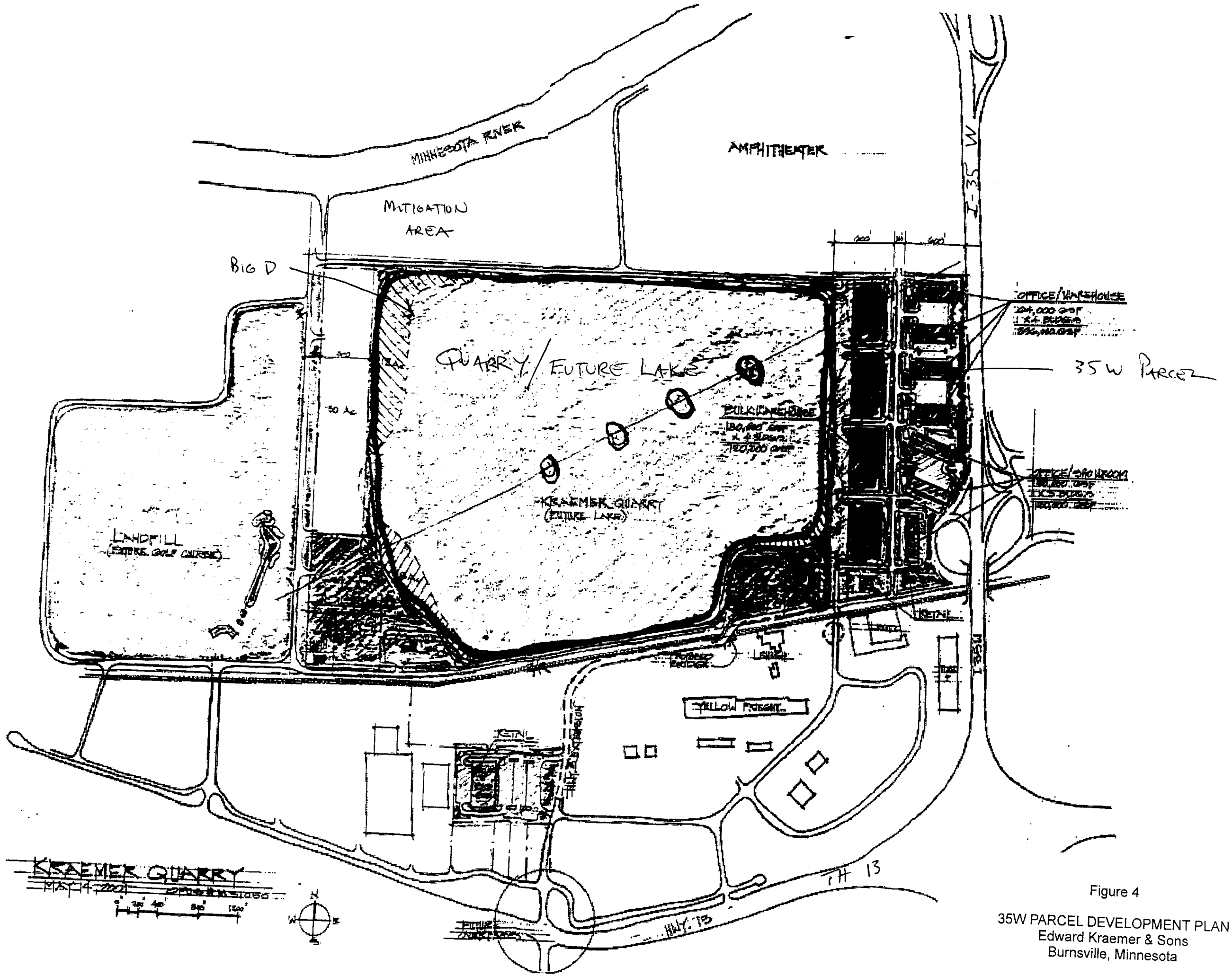


Figure 4

35W PARCEL DEVELOPMENT PLAN
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