

November 16, 1994

Utah Regulatory Office (NW-26) 199250207

Keith A. and Patricia Snow  
210 Huntington Trail  
Cortland, Ohio 44410

Dear Mr. and Mrs. Snow:

We have reviewed your request for an extension of the July 30, 1992 nationwide permit authorization given to Gary and Stephanie Garner to discharge fill material into 0.115 acres of wetland on Swiss Paradise Lot #2 in order to construct a residence, garage and driveway.

(b) (6) of my staff inspected your property on November 8. Based on her inspection and review of the materials submitted with the Garners' application, this project remains qualified for authorization under Nationwide Permit 26.

Nationwide Permit 26, described on the enclosed information sheet, authorizes the discharge of dredged or fill material into headwaters and isolated waters. This authorization eliminates the need for further processing for discharges which affect less than one acre of the above-mentioned waters of the United States.

The only requirements for compliance with this permit are:

1) The person responsible for the project shall ensure that the work complies with the conditions listed in the enclosure.

2) You shall implement the June 1992 mitigation plan prepared for this property by Joe Moush of the Utah Division of State Lands and Forestry, with the following modifications:

a) To promote the establishment of natural vegetation, all willows (Salix spp.) shall be species native to the Midway area. The one exception is that the golden willow (Salix matsudana) shall be replaced by either a native willow or a narrowleaf cottonwood (Populus angustifolia).

b) Gallon-size container plants shall be used for all trees and shrubs.

A copy of Mr. Moush's plan is also enclosed.

Failure to satisfy these conditions invalidates the authorization and may result in a violation of the Clean Water Act.

This verification that your project is authorized by this nationwide permit is valid for two years from the date of this letter.

If you have any further questions, please contact (b) (6) at our Utah Regulatory Office, located at 1403 South 600 West, Suite A, Bountiful Utah 84010 or telephone at (801) 295-8380.

Sincerely,

(b) (6)

Chief, Utah Regulatory Office

Enclosures

ARMY COPY OF EWS COPY

c/o

(b) (6)



RECEIVED

JUL 16 1992

WETLAND RESTORATION AREA.....

prepared for:  
Gary and Stephanie Garner  
4543 Barrington Dr.  
West Jordan, UT 84088  
(801)569-0051

199257001

S35T50R90

110.71'40"

40°31'20"

Case # 42-40

01200

prepared by:

Joe Roush  
Stewardship Forester

Utah Division of State Lands & Forestry  
152 East 100 North  
Vernal, UT 84078

(801) 781-0770 ext. 463

Date prepared:  
June 1992

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## I. MANAGEMENT OBJECTIVES:

### Long Term Objectives of Landowners:

- 1) Mitigate the potential loss of wetland habitat due to impending development of the property.
- 2) Create new and enhance existing wildlife habitat.
- 3) Increase the overall aesthetic quality of the property.
- 4) Screen portions of the North, East, and South sides of the property.

### State Lands and Forestry Management Objectives:

In providing technical assistance to the private landowner, DSLF is fulfilling its statutory responsibility under Title 65A to protect non-federal wildlands through the application of conservation principles.

## II. GENERAL PROPERTY DESCRIPTION

### Legal Description:

(Please refer to the Topographic map - appendix [A])

Approx. the SE 1/4 of the NW 1/4 of Section 35,  
T3S-R4E (SLBM).  
Lot #2 - Swiss Paradise Subdivision, Midway City, Wasatch Cty.,  
Utah.

Acres: (Total): 1/2 acre

### Access:

Travelling West out of Heber City towards Midway, take a right on River Road to 300 N. Take a left on 300 N. Second lot on right hand side of the road.

### Topographic Map Name:

Heber City (#213)

### Elevation:

5600 ft.

### III. NATURAL RESOURCE DESCRIPTION

#### A. Soils Description

(Please refer to the Soils map - appendix [C])

<u>Mapping Unit and Taxonomic Unit</u>	<u>Map Symbol</u>
Cudahy Silt Loam, cold variant	Cv

Special Concerns or Limitations of Individual Soils Types  
(Ph, available moisture, species adaptability, rocky, etc.)

Limestone Hardpan at approximately 26 in.  
Water table fluctuates between 10 and 20 in.  
Poorly drained to somewhat poorly drained.

Existing or Potential Soil Erosion Problems or Concerns

No existing or potential soil erosion problems are apparent.

#### B. Vegetation Description

(Please refer to the Vegetation Type Map - appendix [D])

Woody Vegetation:

Currently a row of narrowleaf cottonwood (Populus angustifolia) are growing along the Eastern edge of the property, adjacent to an irrigation ditch/stream. They have an average diameter at breast height (dbh) of 8 inches, and are approximately 40 ft. tall.

Herbaceous Vegetation:

Approximately the Eastern 1/2 of the property is characterized by wetland-type vegetation including: rushes (Juncus spp.) sedges (Carex spp.), Reed Canary Grass (Phalaris arundinaceae), etc.

The Western half of the property is more typically characterized by various species of pasture grasses and forbs.

#### IV. RECOMMENDED PRACTICES

(Please refer to the Project Map - appendix [E])

The following recommendations have taken into consideration your specific objectives for managing your property, as well as the capabilities and limitations your property.

Interplant water birch (Betula occidentalis), and river hawthorne (Crataegus douglasii) between the existing narrowleaf cottonwoods, on the East side of your property. Final spacing should be approximately 10' x 10' between planted and existing trees. This will require approximately 15 birch and 15 hawthorns.

Plant shrubs as indicated on the project map. The spacing should be 6' x 6'. Following is a list of the number of plants needed by species:

<u>NAME</u>	<u># NEEDED</u>
Woods Rose ( <u>Rosa woodsii</u> )	50
Serviceberry ( <u>Amelanchier alnifolia</u> )	15
Chokecherry ( <u>Prunus virginiana</u> )	10
Red-osier Dogwood ( <u>Cornus sericea</u> )	50
Willow ( <u>Salix spp.</u> )	25
Golden Current ( <u>Ribes aureum</u> )	20
Blue Elderberry ( <u>Sambucus caerulea</u> )	25

Native grasses and forbs - Maintain the existing wetland and pasture vegetation by mowing only when necessary to remove noxious weeds and/or woody plant encroachment. Additionally you may want to enhance this area by either seeding or transplanting additional species of native grasses and wildflowers.

Some noxious weed invasion was noticed during my initial field inspection. I recommend that you contact your local County Weed Supervisor to get more information concerning the control of such weeds.

#### IV. RECOMMENDED PRACTICES - CONTINUED

(Please refer to the Project Map - appendix [E])

Turf grass area - Because of the high water table and poor drainage associated with the soils on your property, you will probably need to backfill topsoil into the area that you want to establish turfgrass. I recommend that you discuss this with your contractor or The County Soil Conservation Service, (654-0242).

In the South-east corner of your property I recommend that you plant a Globe willow (Salix matsudana). Globe willow grows to be a large tree and will provide shade across the front part of your property during the summer months. It will also add depth and dimension to this corner of your property.

V. SUMMARY OF WETLAND MITIGATION MEASURES

(Please refer to the wetland mitigation map - appendix [F ])

General guidelines associated with wetland mitigation require that a property owner enhance an area roughly twice the size of what they are disturbing in the process of development.

In your particular situation you will be disturbing approximately 5000 sq.ft. of area by building your house, driveway, and a small yard as indicated on the project map.

The tree and shrub plantings that I have recommended for your property will enhance an area of approximately 10,000 sq.ft.

By allowing the rest of your property to remain as native grasses, forbs, etc., and not developing it, you will be enhancing this area as well.

## VI. APPENDICES

A - TOPOGRAPHIC MAP

B - SUBDIVISION MAP

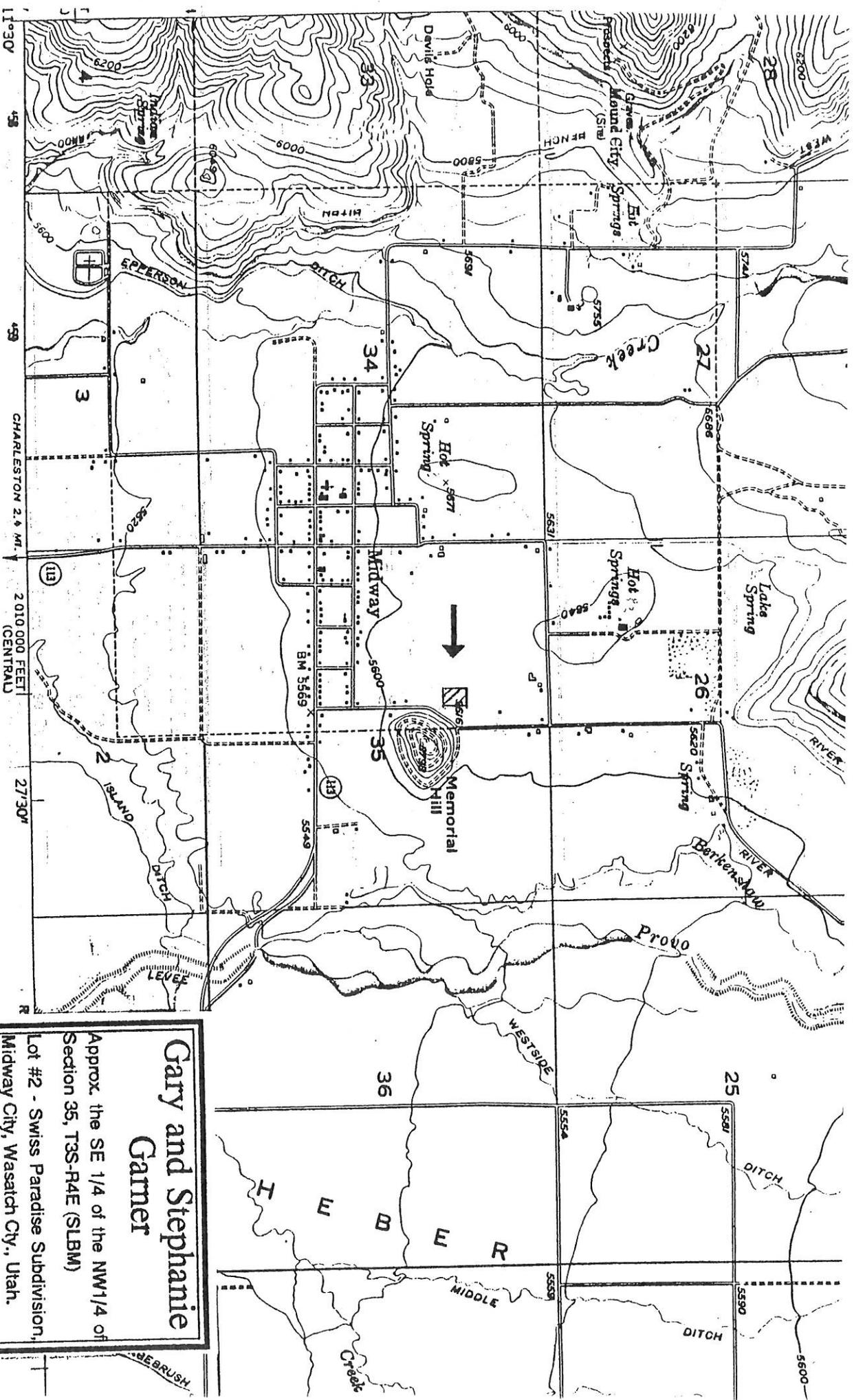
C - SOILS MAP

D - VEGETATION TYPE MAP

E - PROJECT MAP

F - WETLAND MITIGATION MAP

G - SPECIES DESCRIPTIONS



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&ES

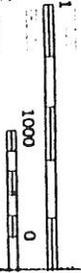
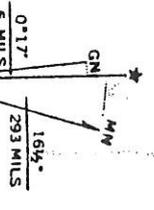
Topography from aerial photographs by multiplex methods

Aerial photographs taken 1953. Field check 1955

Polyconic projection. 1927 North American datum

10,000-foot grid based on Utah coordinate system, central and north zones

Red tint indicates areas in which only landmark buildings are shown



UTM GRID AND 1955 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

**Gary and Stephanie Garner**

Approx. the SE 1/4 of the NW1/4 of Section 35, T8S-R4E (SLBM)

Lot #2 - Swiss Paradise Subdivision, Midway City, Wasatch Cty., Utah.

**(A)**

**(TOPOGRAPHIC MAP)**

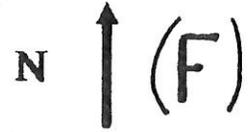
... WITH NATIONAL MAP ACCURACY STANDARDS



# Gary and Stephanie Garner

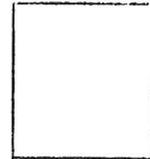
Approx. the SE 1/4 of the NW1/4 of Section 35, T3S-R4E (SLBM)

Lot #2 - Swiss Paradise Subdivision, Midway City, Wasatch Cty., Utah.

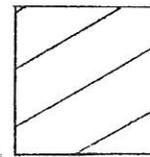


(WETLAND

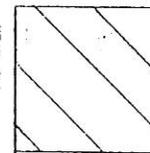
MITIGATION MAP)



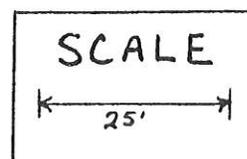
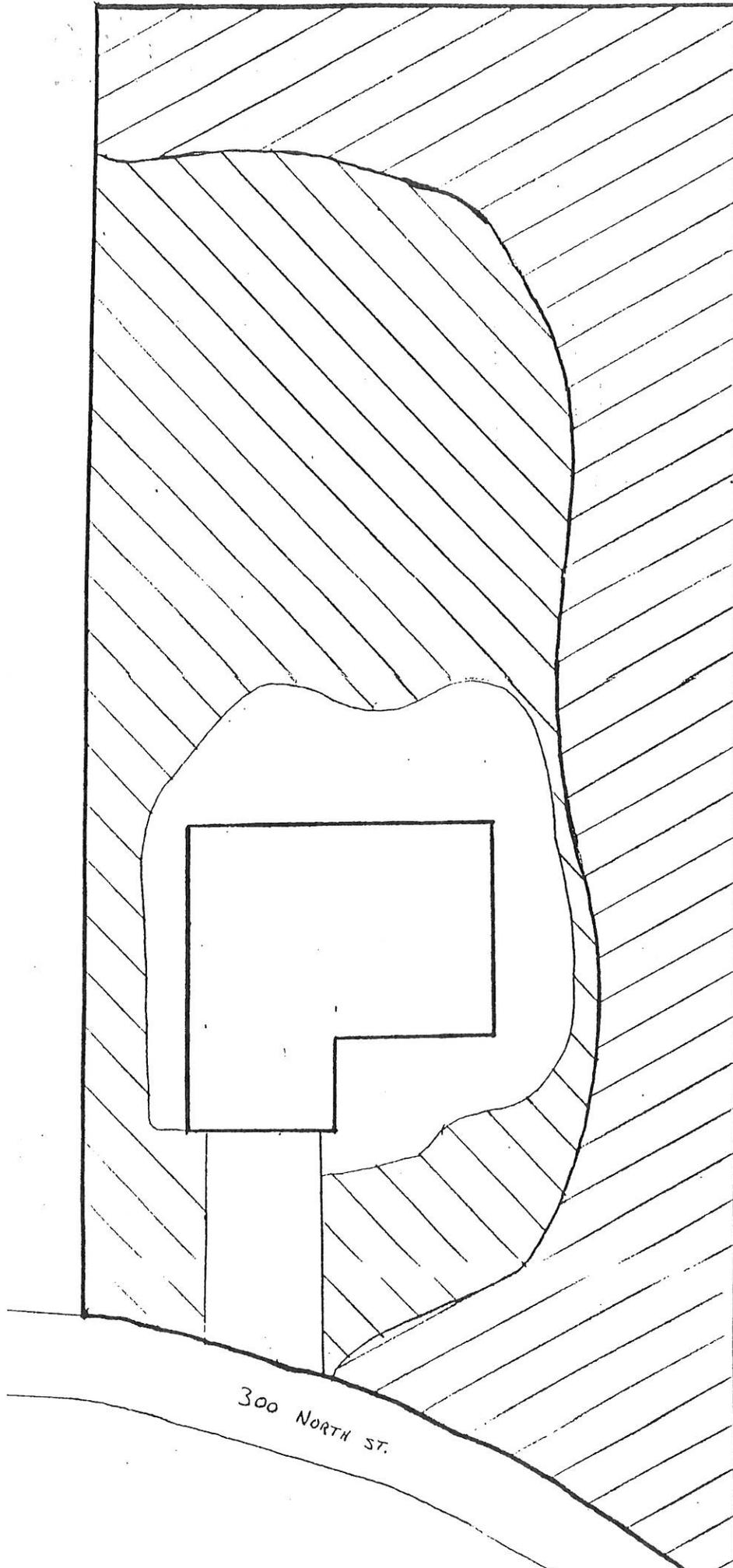
AREA TO BE  
- DISTURBED BY  
DEVELOPMENT  
≈ 5000 ft.<sup>2</sup>



AREA TO BE  
- ENHANCED BY TREE  
AND SHRUB PLANTING  
≈ 10,000 ft.<sup>2</sup>



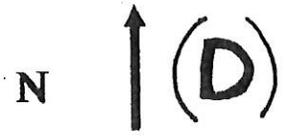
AREA TO BE  
LEFT IN NATURAL  
STATE AND/OR ENHANCED  
BY GRASS AND FORB  
PLANTING  
≈ 11,000 ft.<sup>2</sup>



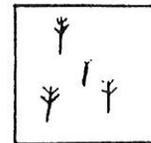
# Gary and Stephanie Garner

Approx. the SE 1/4 of the NW1/4 of  
Section 35, T3S-R4E (SLBM)

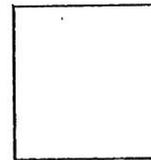
Lot #2 - Swiss Paradise Subdivision,  
Midway City, Wasatch Cty., Utah.



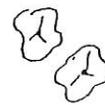
**(VEG. TYPE MAP)**



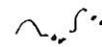
WETLAND  
VEGETATION



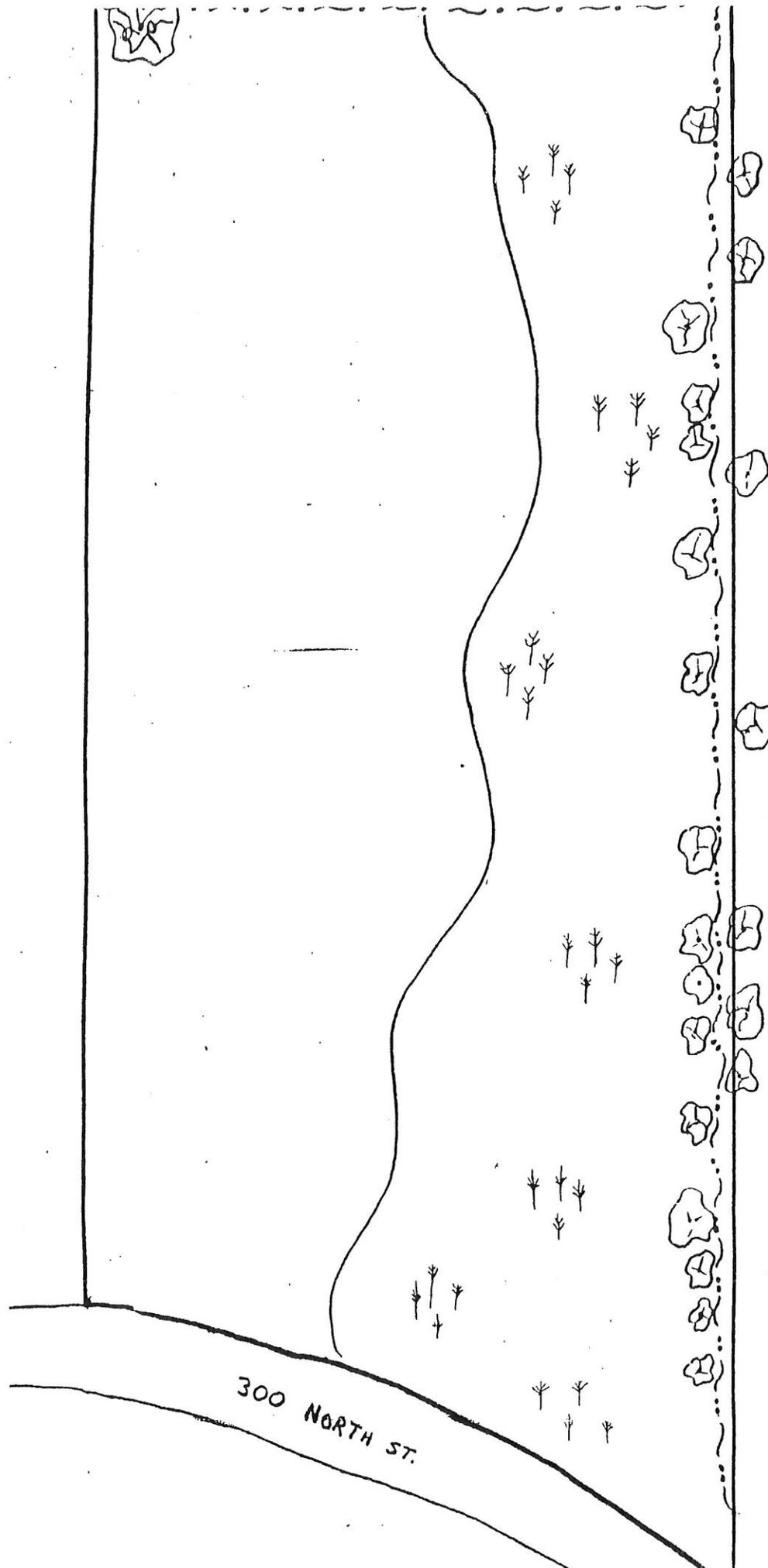
PASTURE  
VEGETATION



EXISTING  
NARROWLEAF  
COTTONWOOD



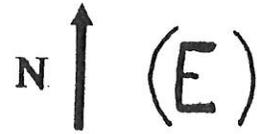
IRRIGATION  
DITCH



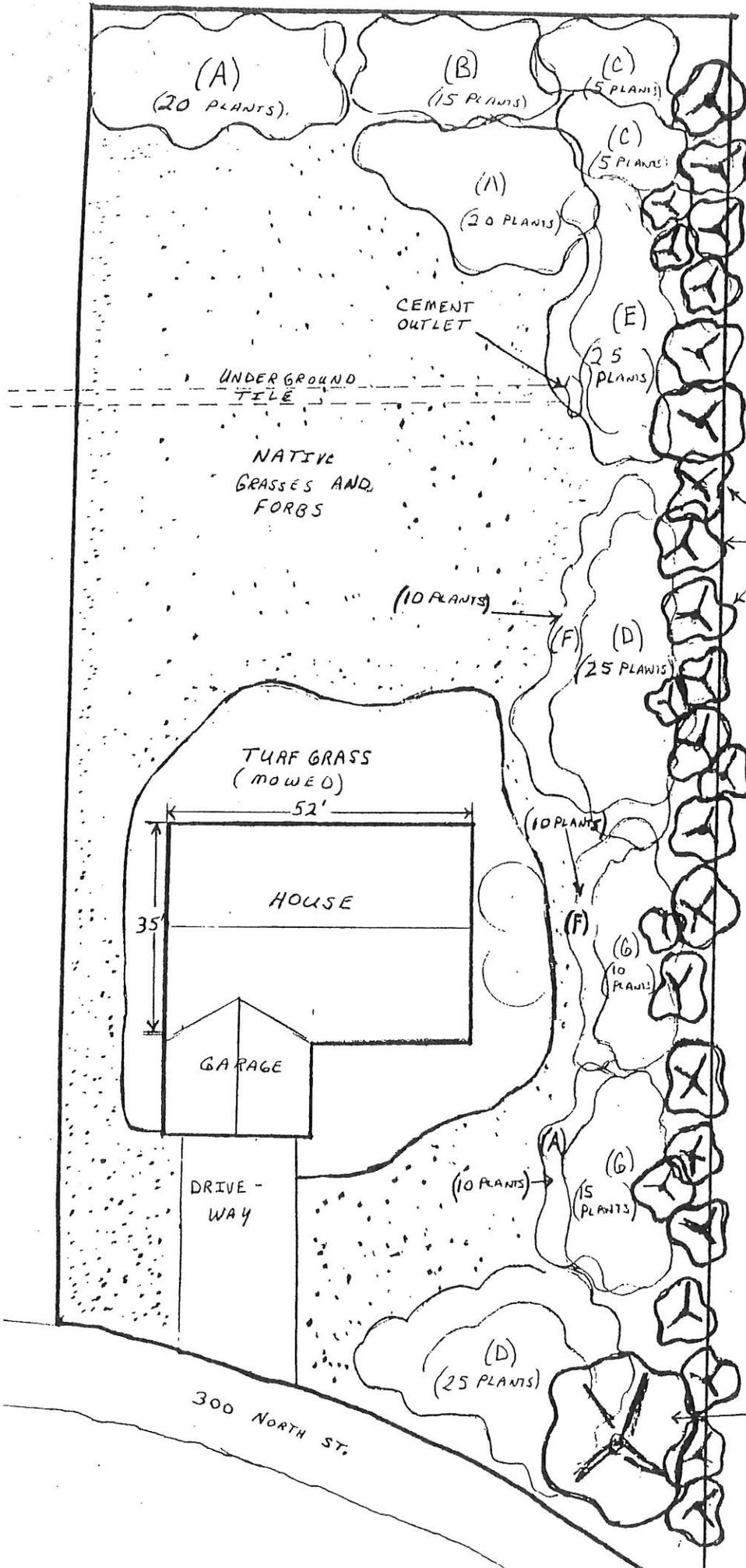
300 NORTH ST.

# Gary and Stephanie Garner

Approx. the SE 1/4 of the NW1/4 of Section 35, T3S-R4E (SLBM)  
 Lot #2 - Swiss Paradise Subdivision,  
 Midway City, Wasatch Cty., Utah.



## (PROJECT MAP)



EXISTING COTTONWOODS  
 INTERPLANTED WITH  
 WATER BIRCH, RED  
 WILLOW, HAWTHORNE, APPROX.  
 SPACING = 10' X 10'

SHRUBS - 6' X 6' SPACING

- (A) - WOODS ROSE  
(*ROSA WOODSII*)
- (B) - SERVICE BERRY  
(*AMELANCHIER ALNIFOLIA*)
- (C) - CHOKE CHERRY  
(*PRUNUS VIRGINIANA*)
- (D) - RED-OSIER DOGWOOD  
(*CORNUS SERICEA*)
- (E) - WILLOW  
(*SALIX SPP.*)
- (F) - GOLDEN CURRENT  
(*RIBES AUREUM*)
- (G) - BLUE ELDERBERRY  
(*SAMBUCUS CAERULEA*)

GOLDEN WILLOW

SCALE

