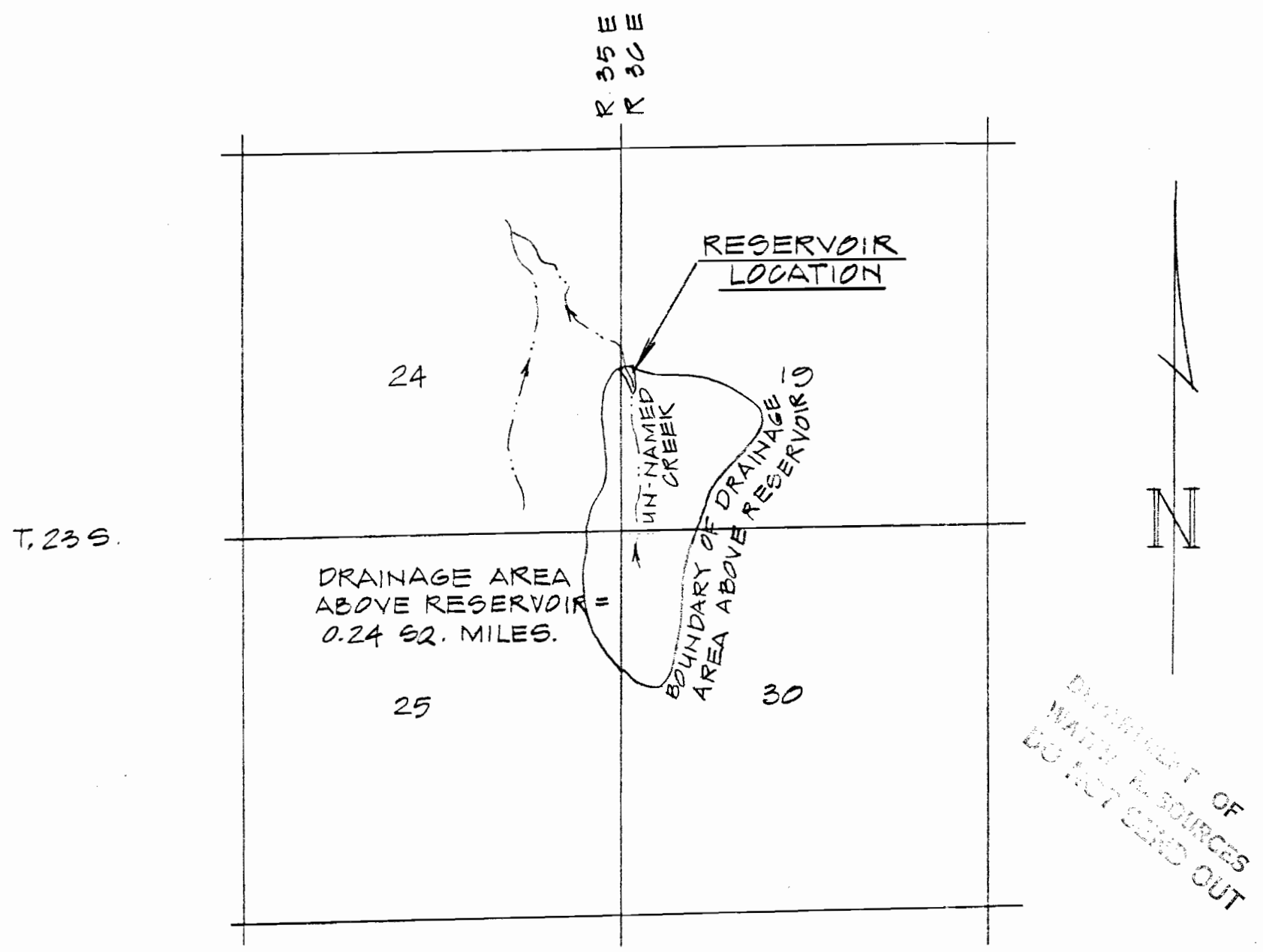


M-90

Application No. *Supervising* R-66481  
Permit No. R11430



# MUHLY RESERVOIR

AN EXISTING RESERVOIR

LOCATED IN HARNEY COUNTY, OR.  
OWNER: B.L.M., BURNS DISTRICT

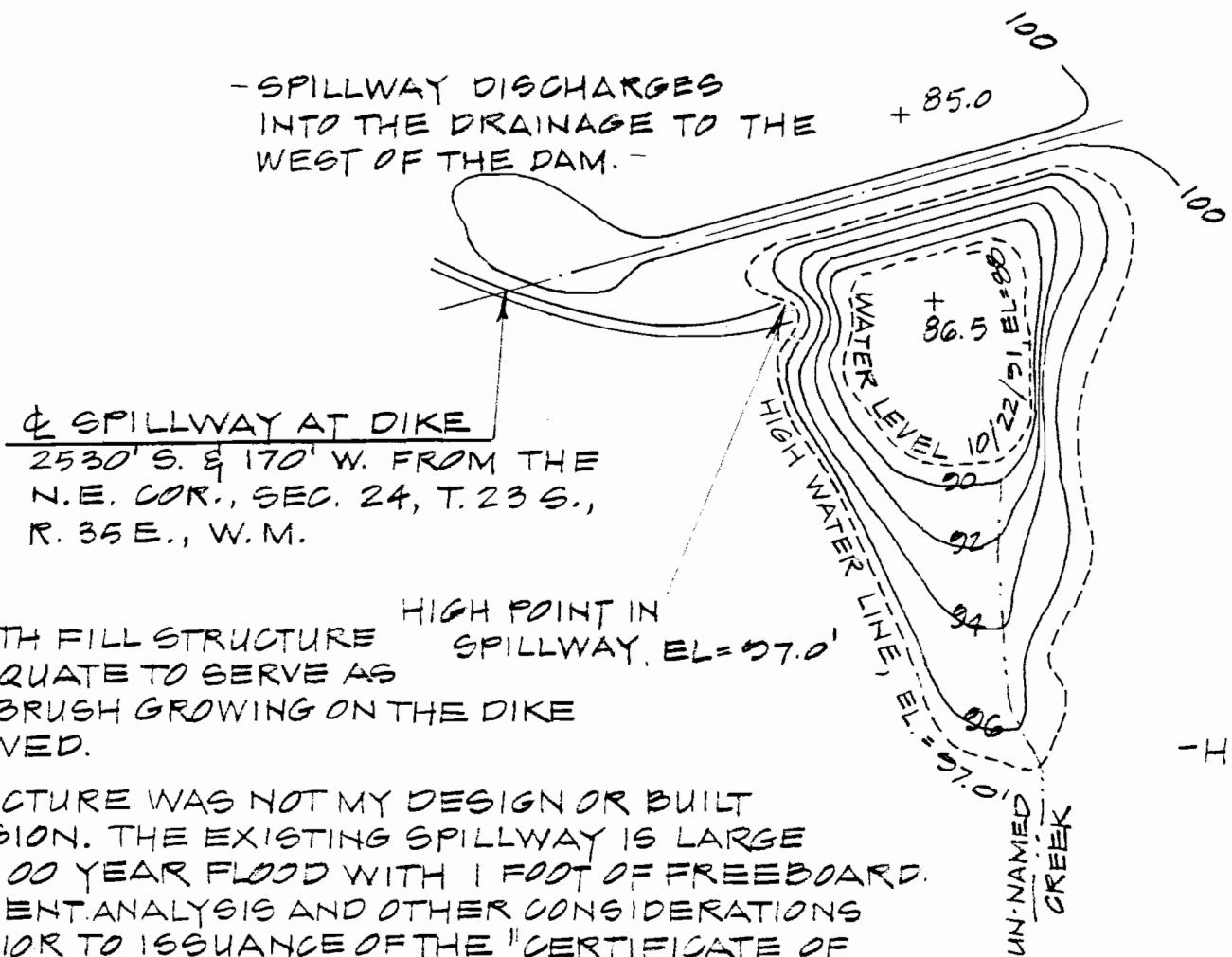
## INDEX

- SHEET 1 - LOCATION MAP
- SHEET 2 - PLAN
- SHEET 3 - X-SECTIONS & PROFILES

WATER RESOURCES DEPARTMENT  
APPROVED: Jan 16 1992  
*William H. Jurg*  
DIRECTOR  
*Burt A. [Signature]*  
ENGINEER DAM SAFETY DIVISION

|           |                                              |                          |             |          |
|-----------|----------------------------------------------|--------------------------|-------------|----------|
|           | B.L.M.                                       |                          | BURNS DIST. |          |
|           | LOCATION MAP                                 |                          |             |          |
|           | MUHLY RESERVOIR                              |                          |             |          |
|           | Scale: 1" = 2000'                            | Date: NOV. 1991          | Job: 1237-4 |          |
|           | Dsn:                                         | M.A. PALMER & SONS, INC. |             | Sht. No. |
| Dm: CHRIS | ENGINEERING & SURVEYING                      |                          | of 3        |          |
| Ckd:      | 254 N. Alder - Box 61<br>Burns, Oregon 97720 |                          |             |          |

Application No. <sup>R-66481</sup>  
Permit No. R11430



DEPTH - CAPACITY

| ELEV. | VOLUME (ACRE-FT) |
|-------|------------------|
| 88.5  | 0.0              |
| 89.0  | 0.2              |
| 90.0  | 0.8              |
| 92.0  | 1.5              |
| 94.0  | 2.5              |
| 96.0  | 3.3              |
| 97.0  | 4.7              |

NOTES:

THIS EXISTING EARTH FILL STRUCTURE APPEARS TO BE ADEQUATE TO SERVE AS A RESERVOIR. THE BRUSH GROWING ON THE DIKE NEEDS TO BE REMOVED.

THE EXISTING STRUCTURE WAS NOT MY DESIGN OR BUILT UNDER MY SUPERVISION. THE EXISTING SPILLWAY IS LARGE ENOUGH TO PASS A 100 YEAR FLOOD WITH 1 FOOT OF FREEBOARD. SOIL AND EMBANKMENT ANALYSIS AND OTHER CONSIDERATIONS MAY BE NEEDED PRIOR TO ISSUANCE OF THE "CERTIFICATE OF COMPLETION".

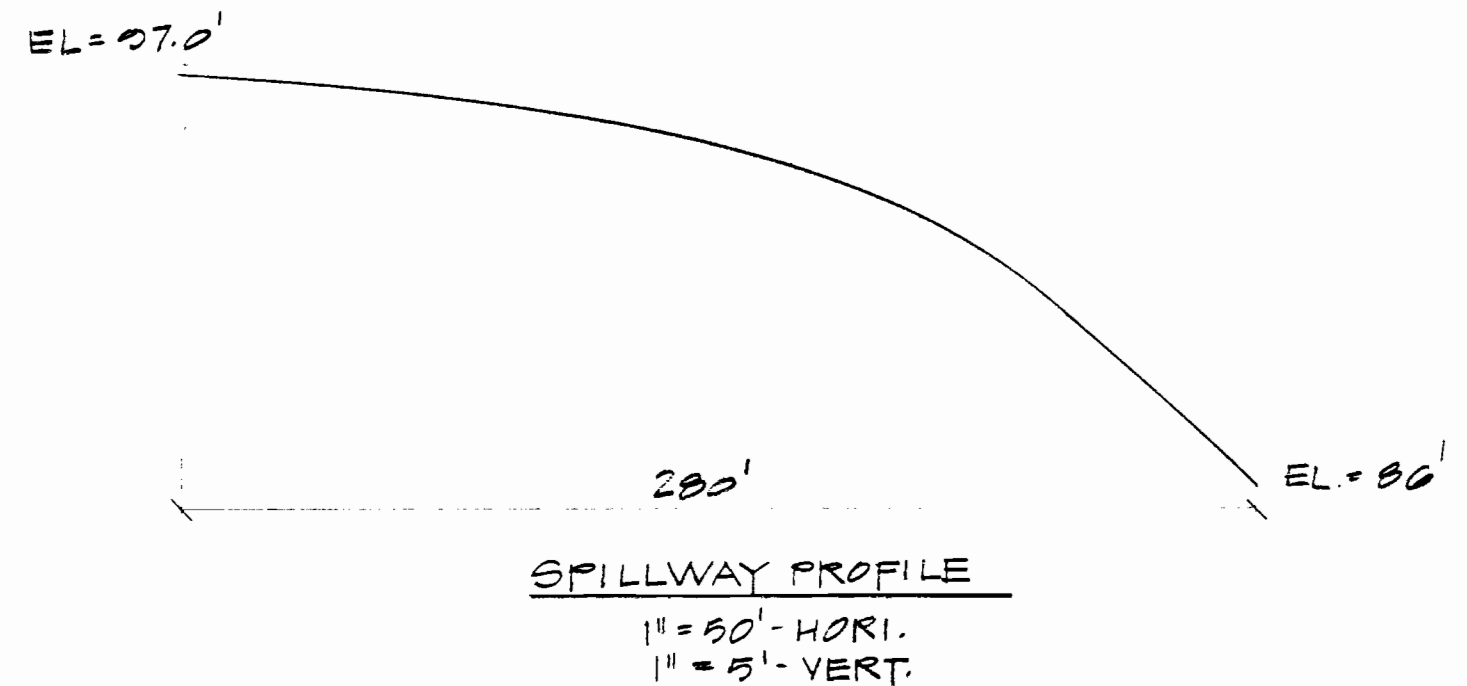
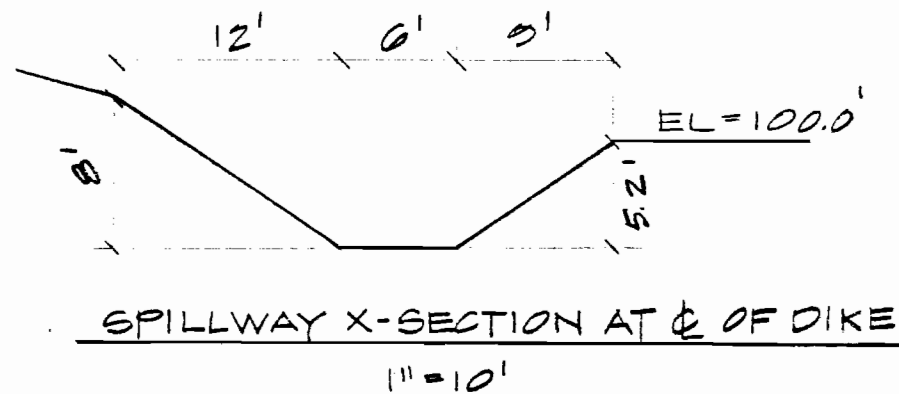
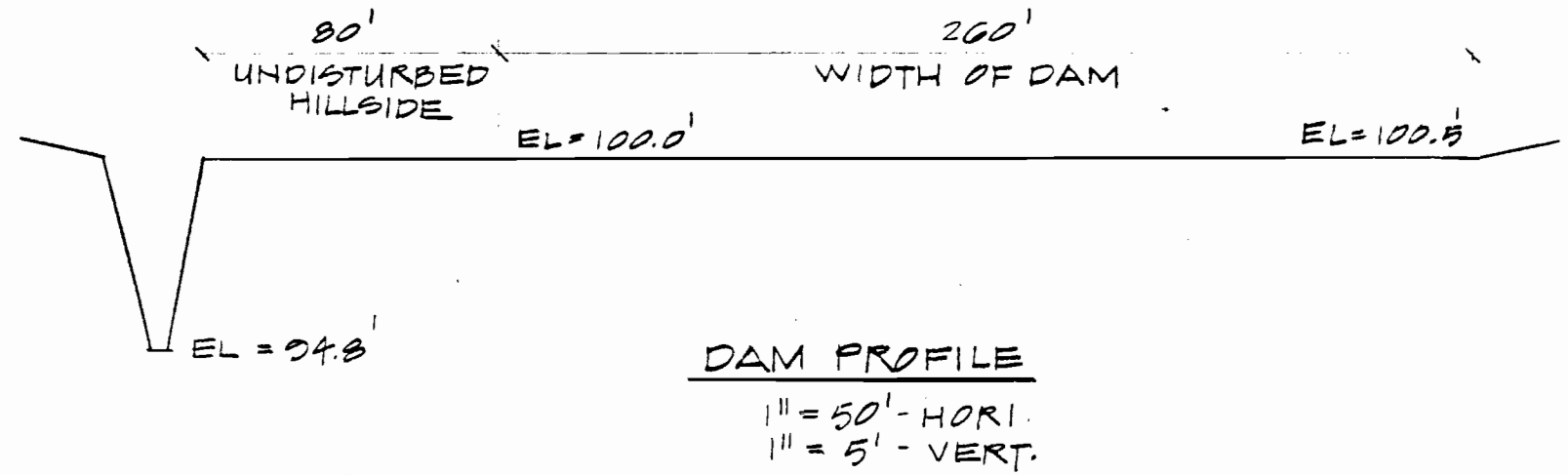
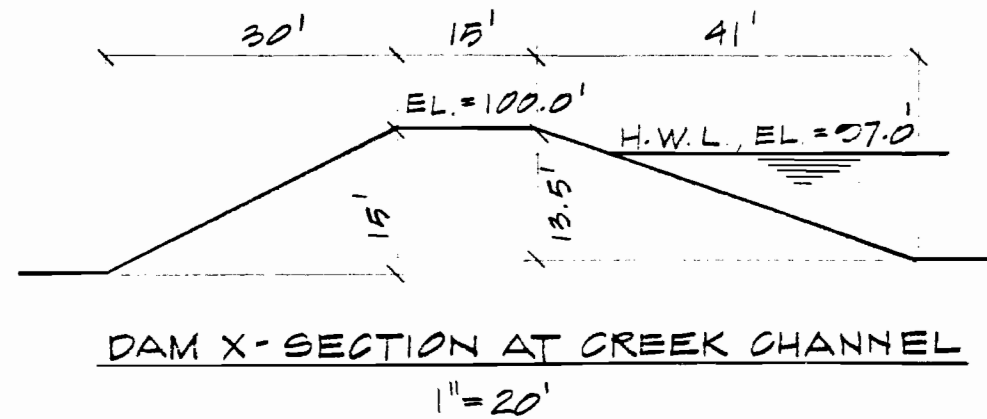
INSTALLATION OF A DRAINAGE PIPE MAY THREATEN THE INTEGRITY OF THE EXISTING EARTH FILL.

WILLIAM BEAL, DISTRICT 10 WATER MASTER, STATED ON NOV. 18, 1991 THAT THE WATER STORED IN THIS RESERVOIR IS NOT LIKELY NEEDED FOR DOWNSTREAM USE.

- H.W.L AREA = 1.0 ACRE -

|           |                                                                                                      |                 |              |          |
|-----------|------------------------------------------------------------------------------------------------------|-----------------|--------------|----------|
|           | B.L.M.                                                                                               |                 | BURNS, DIST. |          |
|           | PLAN                                                                                                 |                 |              |          |
|           | MUHLY RESERVOIR                                                                                      |                 |              |          |
|           | Scale: 1"=100'                                                                                       | Date: NOV. 1991 | Job: 1287-4  |          |
|           | Dsn:                                                                                                 | M.A.P.'s        |              | Sht. No. |
| Dm: CHRIS | M. A. PALMER & SONS, INC.<br>ENGINEERING & SURVEYING<br>254 N. Alder - Box 61<br>Burns, Oregon 97720 |                 | of 3         |          |
| Ckd:      |                                                                                                      |                 | 2            |          |

Application No. <sup>7-66481</sup>  
 Permit No. R11430



|            |                                                       |                 |
|------------|-------------------------------------------------------|-----------------|
|            | B.L.M. <span style="float: right;">BURNS DIST.</span> |                 |
|            | X-SECTIONS & PROFILES                                 |                 |
|            | MUHLY RESERVOIR                                       |                 |
|            | Scale: -                                              | Date: NOV. 1991 |
|            | Job: 1287-4                                           | Sht. No. 3      |
| Dsn:       | M.A. PALMER & SONS, INC.                              |                 |
| Drm: CHRIS | ENGINEERING & SURVEYING                               |                 |
| Ckd:       | 254 N. Alder - Box 61                                 |                 |
|            | Burns, Oregon 97720                                   |                 |