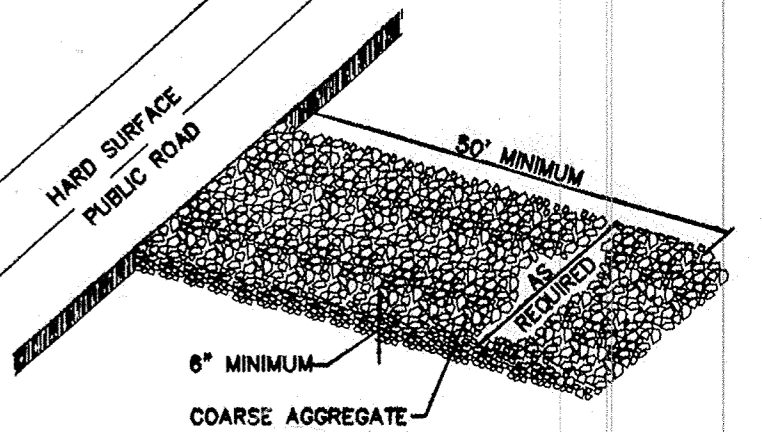
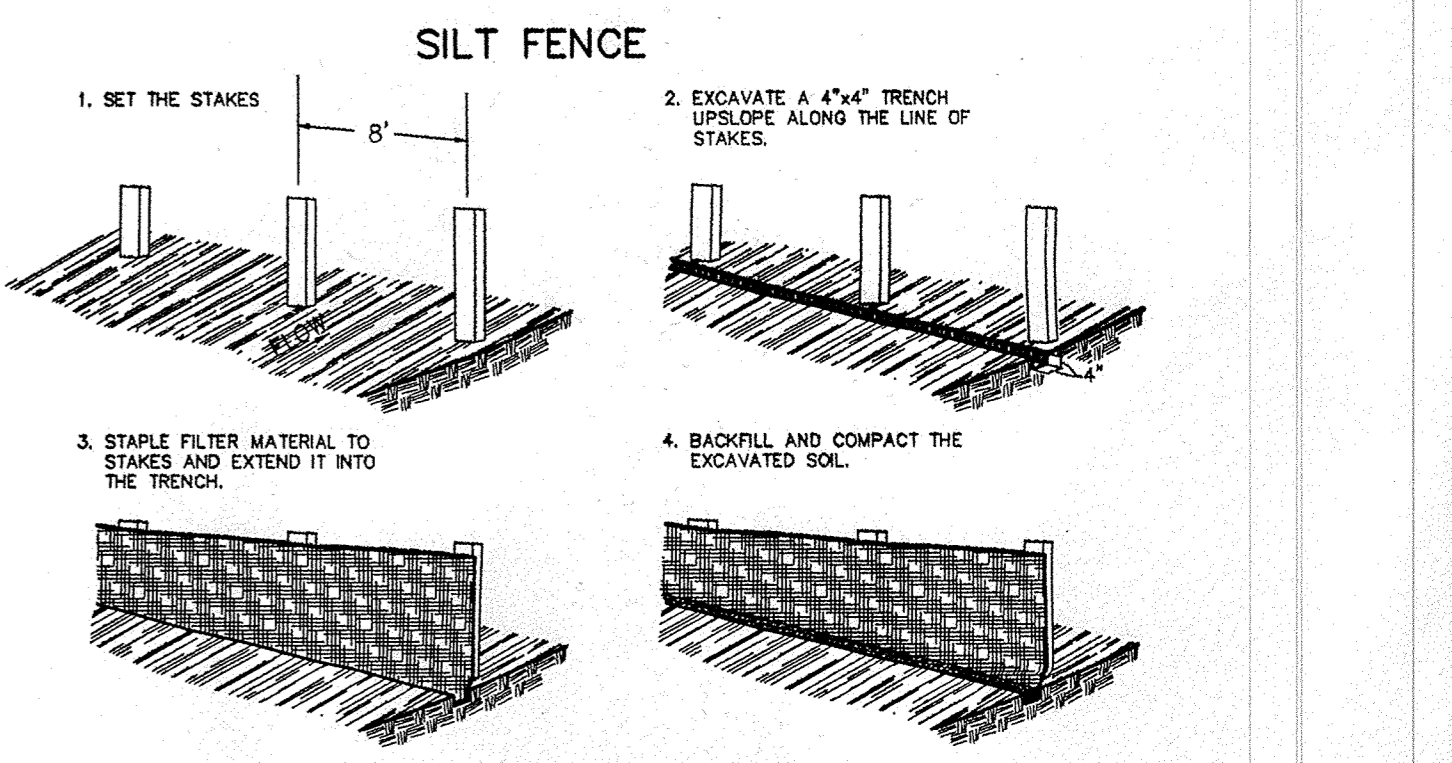


WETLAND TABULATION  
WETLAND ALTERATION AREA (2ND ADDITION) = 0.26 AC.  
GRAVEL CONSTRUCTION ENTRANCE



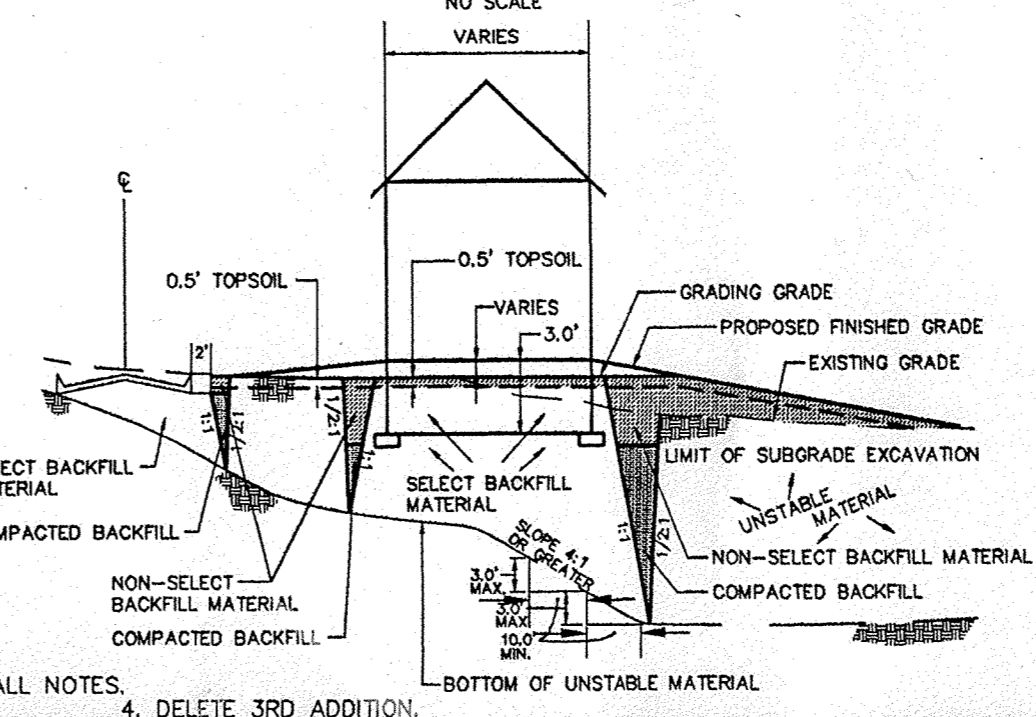
WETLAND ALTERATION AREA 0.11 AC.  
**TURF ESTABLISHMENT NOTES**  
TURF ESTABLISHMENT SHALL APPLY TO ALL DISTURBED AREAS AND SHALL BE ACCORDING TO MnDOT 2575 EXCEPT AS MODIFIED BELOW. TURF ESTABLISHMENT SHALL OCCUR WITHIN TWO (2) WEEKS OF COMPLETING THE GRADING.  
TOPSOIL - 6 INCHES MINIMUM TO BE SPREAD IN ALL DISTURBED NON-BUILDING AREAS.  
SEED - MnDOT MIXTURE 500 AT 50 POUNDS PER ACRE.  
DORMANT SEED - SHALL BE APPLIED AFTER NOVEMBER 1 AT TWICE THE NORMAL RATE.  
MULCH - TYPE 1 AND 2 TONS PER ACRE, DISK ANCHORED.  
FERTILIZER - TYPE 20-0-10 AT 400 POUNDS PER ACRE.



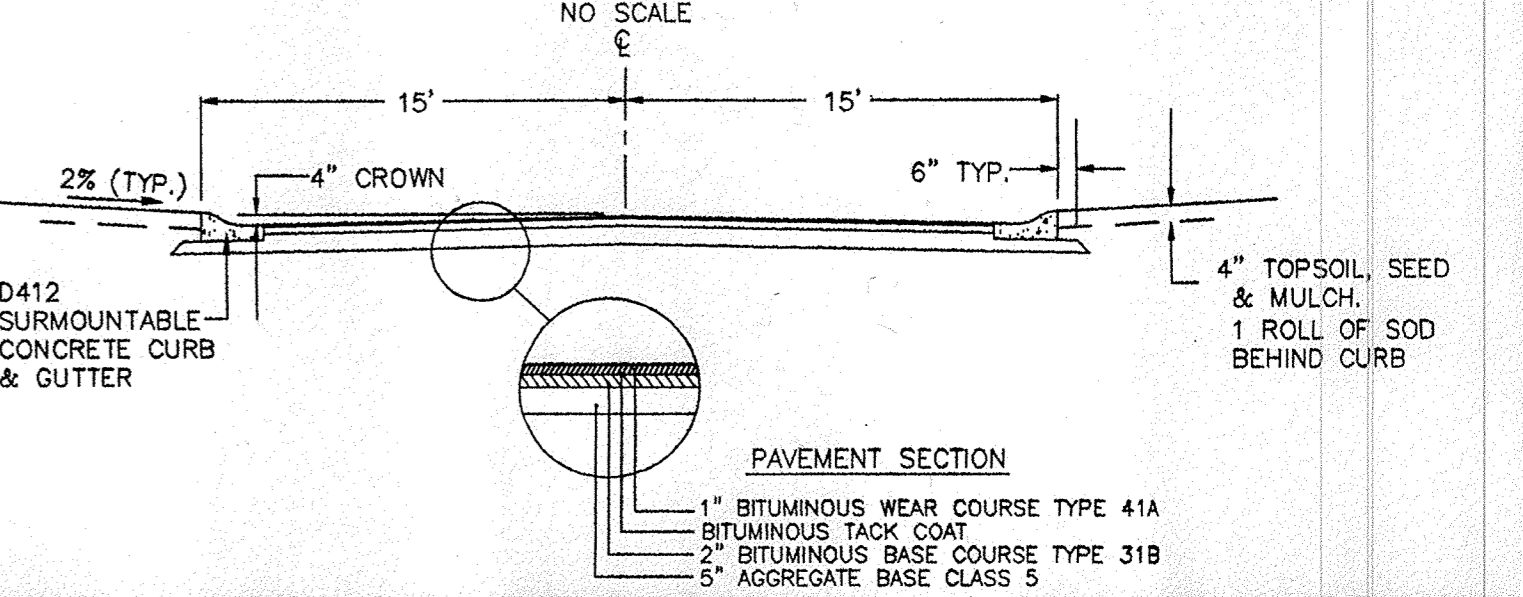
**APPROVED**  
7/19/01  
Howard R. Green Co.

= CRITICAL ELUV'S ADJACENT BUILDING LOWEST FLOOR ELUV'S MUST BE 1' ABOVE.

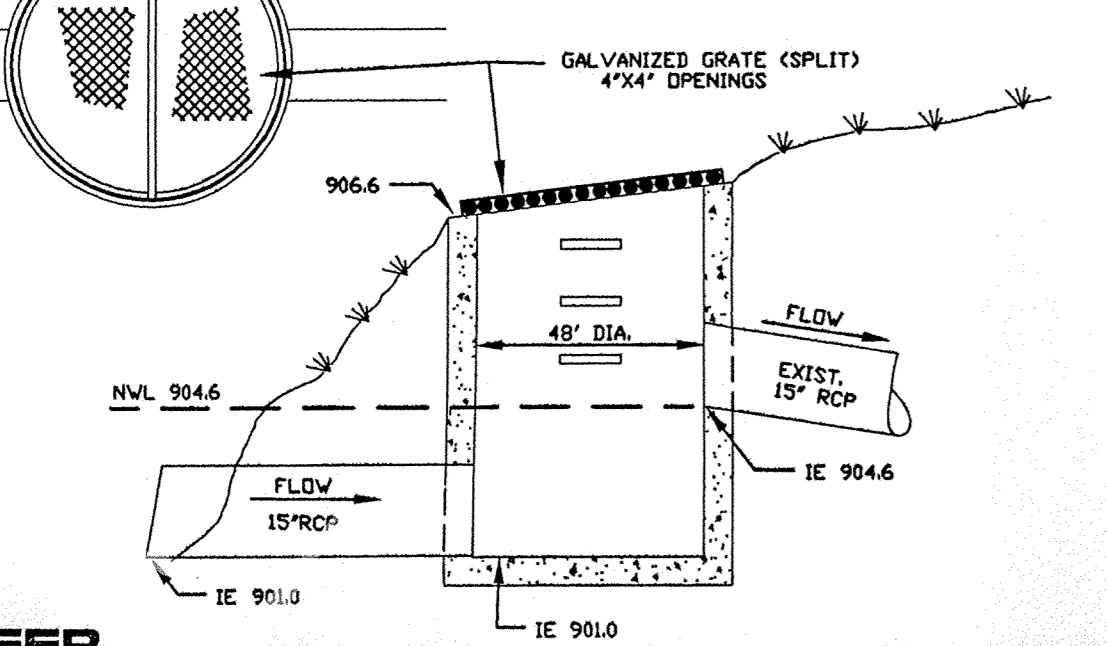
**SUBGRADE CORRECTION DETAIL**



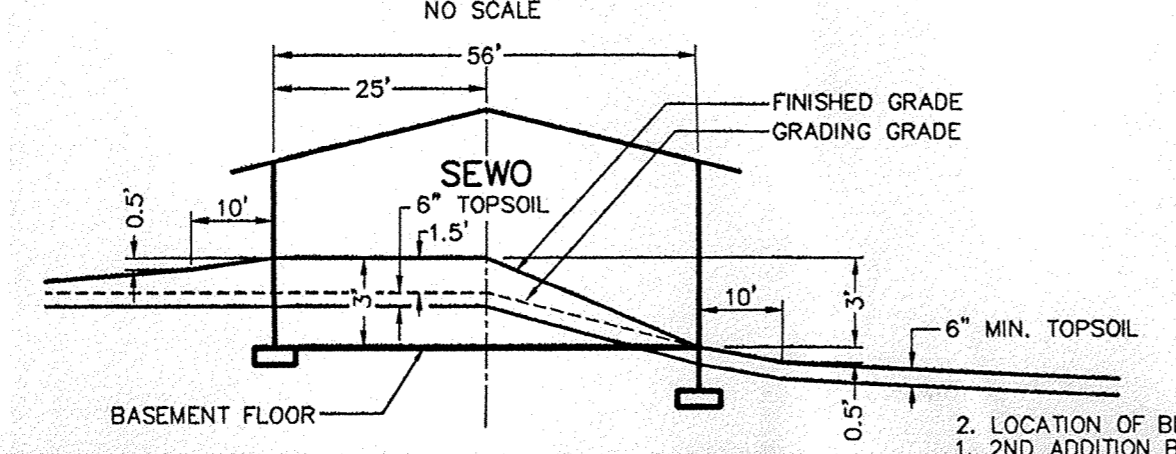
**TYPICAL PRIVATE STREET**



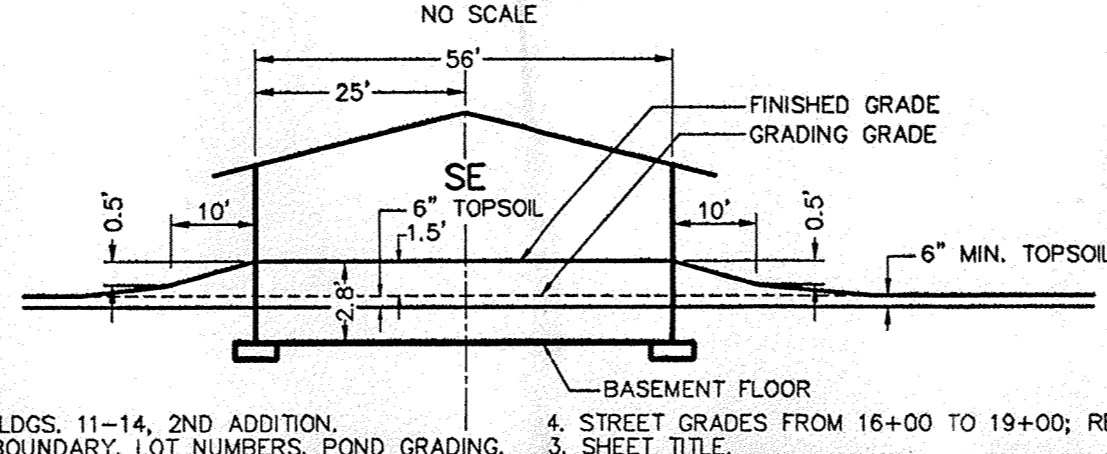
**OUTLET CONTROL STRUCTURE**



**SPLIT ENTRY WALKOUT**



**SPLIT ENTRY**



1. LOCATION OF BLDGS. 11-14, 2ND ADDITION.  
2. LOCATION OF BLDGS. 15-18, 2ND ADDITION.  
3. SHEET TITLE.  
4. DELETE 3RD ADDITION.

**PIONEER engineering**  
2422 Enterprise Drive  
Minneapolis, MN 55420  
(612) 831-1914 FAX: 831-8488  
LAWYERS • LANDSCAPE ARCHITECTS  
(763) 783-1880 FAX: 783-1883

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Name: *Paul J. Chynoweth*  
Reg. No.: 19840 Date: 5/15/01

Revisions:  
1. 5/18/01  
2. 5/25/01  
3. 7/2/01  
4. 7/10/01  
5. 7/17/01

Date: 5/15/01  
Designed: PJC  
Drawn: SAG

SHEET TITLE: **DEVELOPMENT AND GRADING & EROSION CONTROL PLAN**

OWNER: **PHOENIX ENTERPRISES**  
19230 EVANS STREET  
ELK RIVER, MINNESOTA 55330

PROJECT: **TWIN LAKES TOWNHOMES 2ND ADDITION**

SHEET 1 OF 1 SHEETS