

AS BUILT CERTIFICATE

WE HEREBY CERTIFY THAT THE DRAWINGS SHOW THE ACTUAL LOCATION OF THE PUBLIC IMPROVEMENTS REQUIRED TO BE SHOWN THEREON. SAID IMPROVEMENTS INCLUDE ONLY STREET IMPROVEMENTS AND STORM SEWER.

SWORN BY:

PIONEER PROPERTIES, INC.

LOVELL SAUERLAND & ASSOC., INC.

NOTE: ROAD DITCH TO BE CONSTRUCTED BY DEVELOPER OF DUMAS LANE DURING CONSTRUCTION PROCESS.

UNPLATTED

OUTFALL
SEE IMPROVED CULVERT
DETAIL (SHT. 3 OF 4)

DUMAS ROAD

VILLAGE GREEN DRIVE

SEE POND
PLAN
(SHT. 2 OF 4)THE
VILLAGE GREEN

BURK PLACE

CONTINUED -
CENTER LEFT
THIS SHEETCB #3
TYPE II - 48" DIA.
CB #2
TYPE II - 48" DIA.

DEVELOPERS:

PIONEER PROPERTIES
4111 - 200 TH STREET SW
LYNNWOOD, WA 98036
PHONE: 771-3833

RICHARD A. JOHNSON & CO., INC.
9502 - 19TH AVE. SE SUITE C
EVERETT, WA 98204
PHONE: 337-4830

SCALE: 1"=50'

SECTION 'A - A'

N.T.S.

BENCH MARK: RR SPIKE IN POWER
POLE AT NE CORNER OF VILLAGE GREEN
DRIVE & BOTHELL - EVERETT HIGHWAY.
ELEV. 416.00

DATUM: SILVER LAKE SANITARY
SEWER DATUM.

SITE

VICINITY MAP

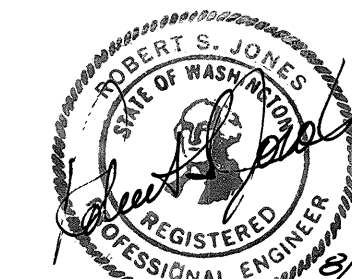
SCALE: 1"= 1/2 MILE

APPROVED FOR *Donald C. Smith* for *GEWEED, DIRECTOR* 12-23-85
CONSTRUCTION SNOHOMISH COUNTY PUBLIC WORKS DATE
RW 285-DS P-256-85

AS BUILT
ROAD AND STORM DRAINAGE PLAN
FOR

DUMAS LANE

IN NE 1/4, SECTION 31, T.28 N., R.5 E., W.M.
SNOHOMISH COUNTY, WASHINGTON



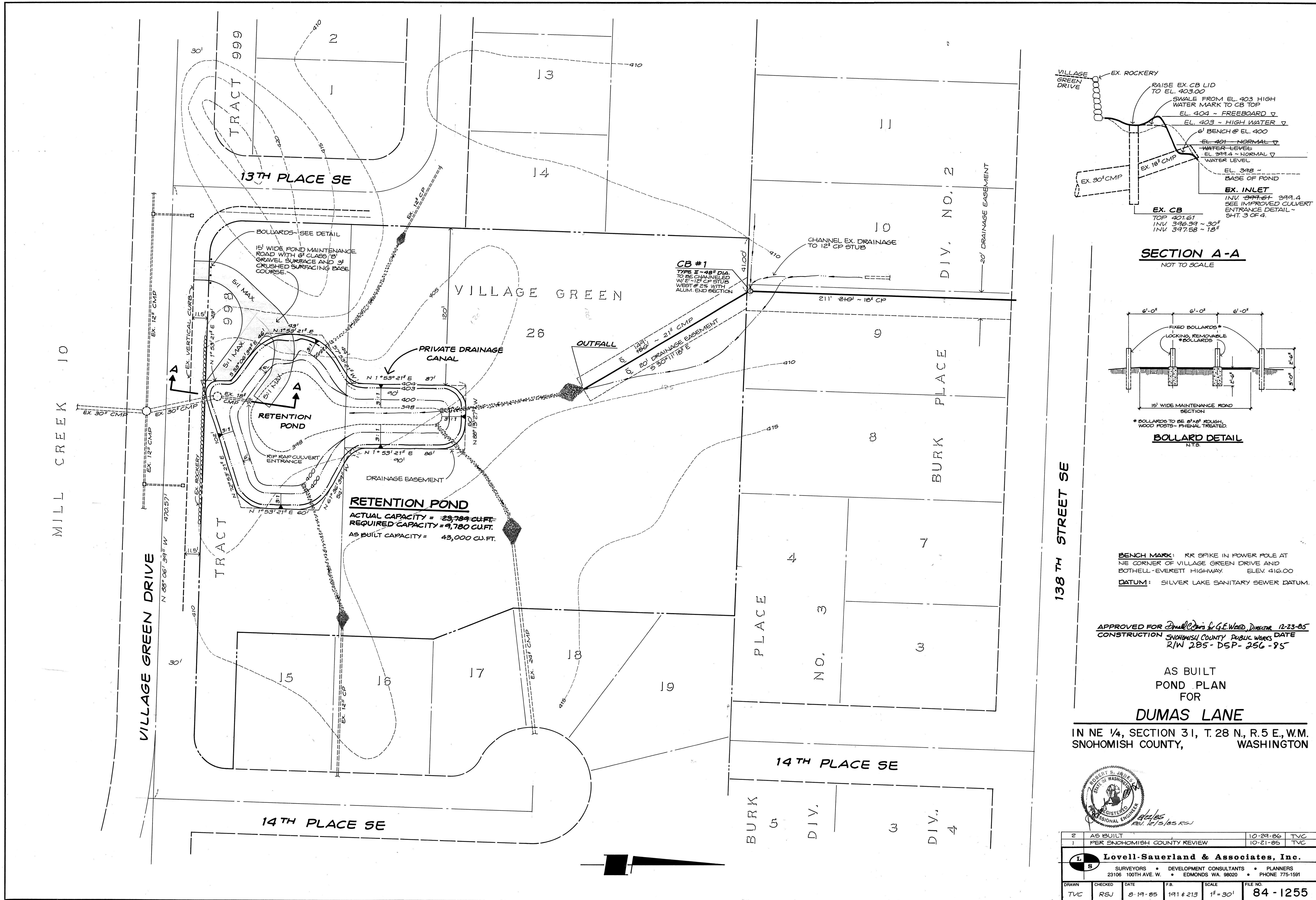
4	INT. 136TH ST. SE & 14TH PL. SE PER SNOHOMISH COUNTY	12-20-85	TVC
2	3 MAILBOX LOCATIONS PER P.O.	12-5-85	TVC
2	PER SNOHOMISH COUNTY REVIEW	12-3-85	TVC
1	PER SNOHOMISH COUNTY REVIEW	10-21-85	TVC

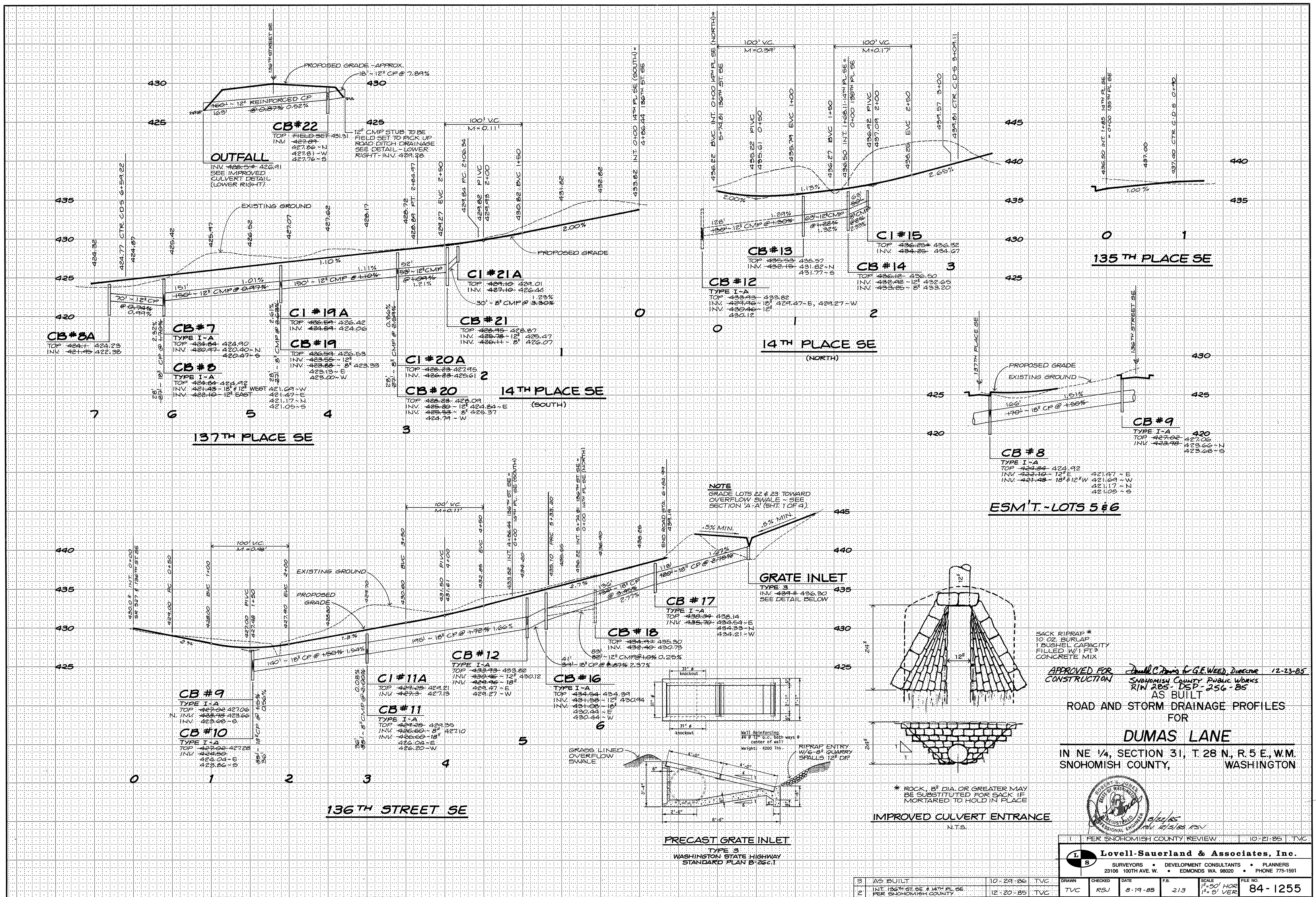
L S				Lovell Sauerland & Associates, Inc.			
SURVEYORS		DEVELOPMENT CONSULTANTS		PLANNERS			
23106 100TH AVE. W.		EDMONDS WA. 98020		PHONE 775-1591			
DRAWN	CHECKED	DATE	F.B.	SCALE	FILE NO.		
TVC	RSJ	8-19-85	213	1"=50'	84-1255		

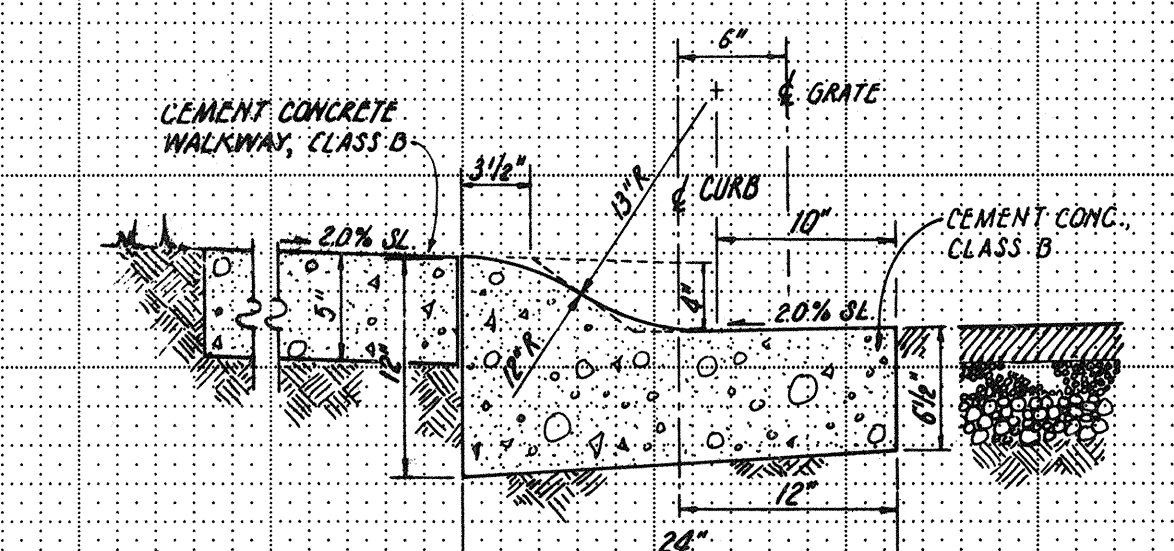
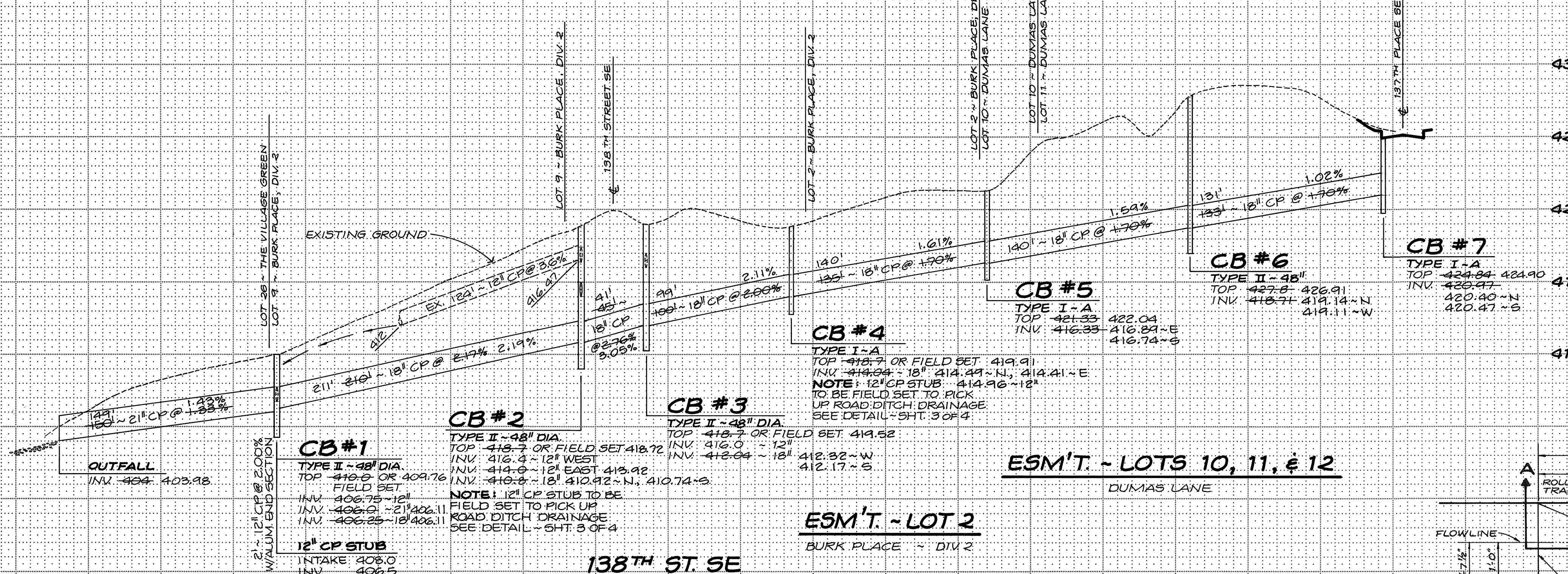
5 AS-BUILT

10-29-86 TVC

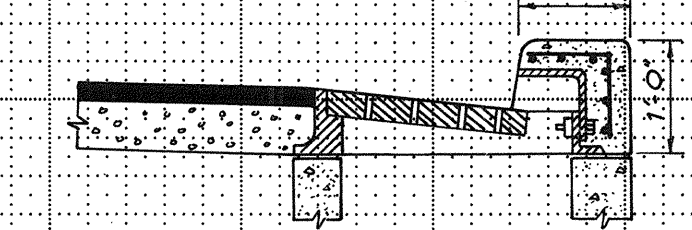
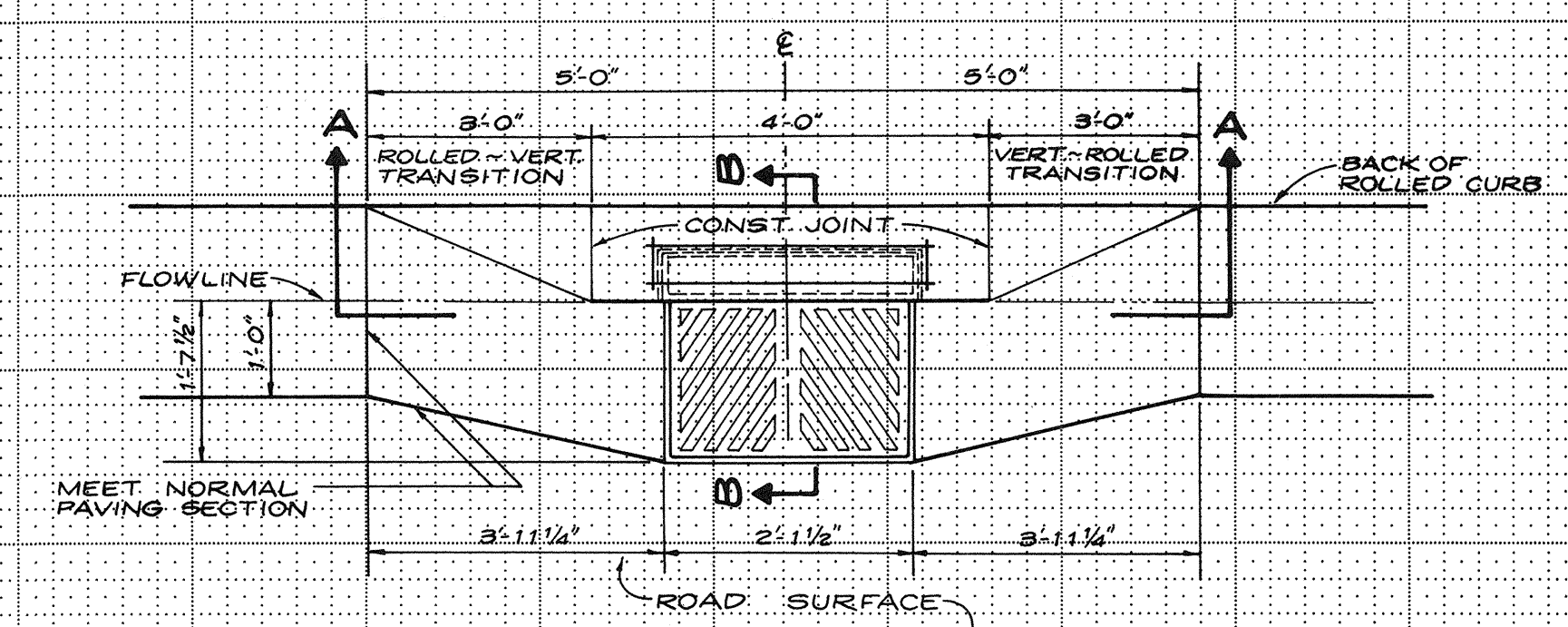
DUMAS LANE SHEET 1 OF 4 HDEV-131



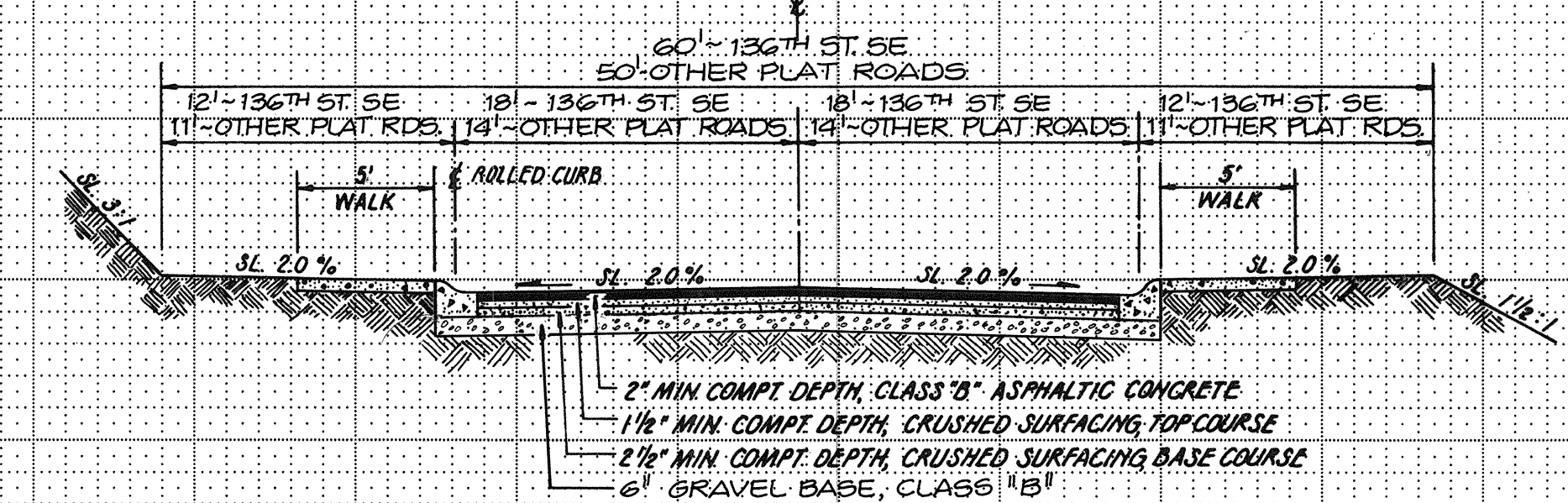




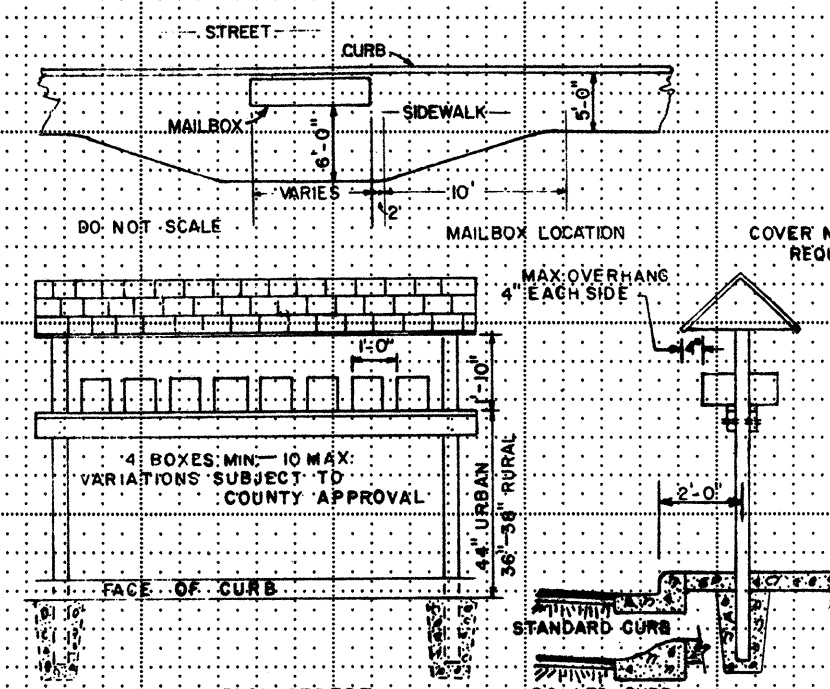
ROLLED CURB SECTION
N.T.S.



SECTION B-B



TYPICAL ROADWAY SECTION
N.T.S.



MAILBOX STANDARD

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH SNOHOMISH COUNTY STANDARDS AND SPECIFICATIONS.
2. LOCATIONS OF EXISTING UTILITIES AND IMPROVEMENTS SHOWN ARE APPROXIMATE ONLY AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION(S) OF ALL UTILITIES AND IMPROVEMENTS TO AVOID DAMAGE OR DISTURBANCE.
3. ALL WORK WITHIN THE PLAT AND COUNTY RIGHT OF WAY SHALL BE SUBJECT TO THE INSPECTION OF THE ENGINEER.
4. PRIOR TO ANY SITE WORK, THE CONTRACTOR SHALL CONTACT THE FIELD COORDINATOR FOR PLATS, UTILITIES AND DRAINAGE, AT 259-9464, TO ARRANGE FOR THE REQUIRED INSPECTIONS.
5. ALL SITE WORK MUST COMPLY TO CHAPTER 70 OF THE BUILDING CODE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FOR ROAD AND UTILITY CONSTRUCTION.
7. THE TEMPORARY EROSION/SEDIMENTATION CONTROL FACILITY SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING IN ACCORDANCE WITH THE APPROVED TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ONSITE EROSION HAS PASSED.
8. UNLESS OTHERWISE NOTED ALL STORM SEWER PIPE SHALL BE CONCRETE (CP) NON-REINFORCED, ASTM C-14 (24" DIAMETER AND LARGER TO BE REINFORCED, ASTM C-76), RUBBER GASKET PIPE, OR CORRUGATED METAL (CMP). CMP TO BE GALVANIZED STEEL WITH TREATMENT 1 ASPHALT COATING OR BETTER, OR CORRUGATED ALUMINUM PIPE, OR AASHTO M274-79 ALUMINIZED STEEL. CMP TO BE 16 GA WITH 2-2/3" x 1/2" CORRUGATIONS.
9. CP INDICATES CONCRETE PIPE WILL BE REQUIRED. CMP INDICATES CORRUGATED METAL PIPE MAY BE USED INSTEAD OF CONCRETE PIPE.
10. ALL PIPE SHALL BE PLACED ON STABLE EARTH, OR IF IN THE OPINION OF THE COUNTY ENGINEER, THE EXISTING FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACKFILLED TO GRADE WITH SAND-GRAVEL, CRUSHED STONE OR OTHER SUITABLE MATERIAL. NEVER INSTALL PIPE ON SOD, FROZEN EARTH OR LARGE BOULDERS OR ROCK.

11. THE BACKFILL SHALL BE PLACED EQUALLY ON BOTH SIDES OF THE PIPE OR PIPE-ARCH IN LAYERS WITH A LOOSE AVERAGE DEPTH OF 6" MAX. DEPTH 8", THOROUGHLY TAMPING EACH LAYER. THESE COMPACTED LAYERS MUST EXTEND FOR ONE DIAMETER ON EACH SIDE OF THE PIPE OR TO THE SIDE OF THE TRENCH. MATERIALS TO COMPLETE THE FILL OVER PIPE SHALL BE THE SAME AS DESCRIBED. (REFER TO W.S.D.O.T. STD. SPEC. 7-04.3(3) AND STD. SPEC. 2-03.3(14)C, METHOD B & C).
12. ALL DISTURBED SLOPES SHALL BE SEEDED WITH A PERENNIAL GROUND COVER (GRASS) TO PREVENT EROSION.
13. ALL GRATES (INLET) SHALL BE DEPRESSED 0.1 FEET BELOW PAVEMENT LEVEL.
14. ALL CATCH BASINS TO BE TYPE 1 UNLESS OTHERWISE NOTED.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET, AND CATCH BASIN FRAMES AND GRATES JUST PRIOR TO POURING OF CURBS.
16. ALL CATCH BASINS WITH A DEPTH OVER 5.0 FEET TO THE FLOWLINE SHALL BE TYPE II CB'S (MANHOLE).
17. ALL TYPE II CATCH BASINS SHALL HAVE LOCKING LIDS.
18. MAILBOXES SHALL BE CONSTRUCTED TO SNOHOMISH COUNTY STANDARDS. (SEE SNOHOMISH COUNTY STANDARD DRAWING NO. B-7).
19. ALL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST.
20. PRIOR TO SIDEWALK CONSTRUCTION, THE ENGINEER WILL EVALUATE INDIVIDUAL LOT DRAINAGE AND DIRECT THE INSTALLATION OF CATCH BASIN STUB-OUTS AND PERFORATED PIPE AS REQUIRED. LOCATIONS FOR THESE INSTALLATIONS SHALL BE PLACED ON THE AS-BUILT CONSTRUCTION PLANS AND SUBMITTED TO THE COUNTY.
21. ROOF DRAIN STUBS ON EACH CI AND CB SHALL BE MARKED WITH A 2"x4" LOCATED AT THE END WITH PORTION ABOVE GROUND (3 FEET) PAINTED BLACK WITH WHITE LETTERS LABELED "ROOF DRAIN" WITH DEPTH.
22. CB#15 AND CB#18 SHALL HAVE ROLLED CURB FRAME AND GRATES (OLYMPIC FOUNDRY #5546-17 FRAME AND #5546-21 GRATE OR EQUAL).

THRU-CURB INLET

N.T.S.

APPROVED FOR CONSTRUCTION

AS BUILT
ROAD AND STORM DRAINAGE
PROFILES, NOTES, AND DETAILS
FOR

DUMAS LANE

IN NE 1/4, SECTION 31, T.28 N., R.5 E., W.M.
SNOHOMISH COUNTY, WASHINGTON

6/22/85
122385

FOR SNOHOMISH COUNTY REVIEW

10-21-85 TVC

Lovell-Sauerland & Associates, Inc.

SURVEYORS • DEVELOPMENT CONSULTANTS • PLANNERS

23106 100TH AVE. W. • EDMONDS WA. 98020 • PHONE 775-1591

DRAWN	CHECKED	DATE	FB	SCALE	FILE NO.
TVC	RSJ	8-19-85	213	1"=50' HOR 1"=5' VER	84-1255

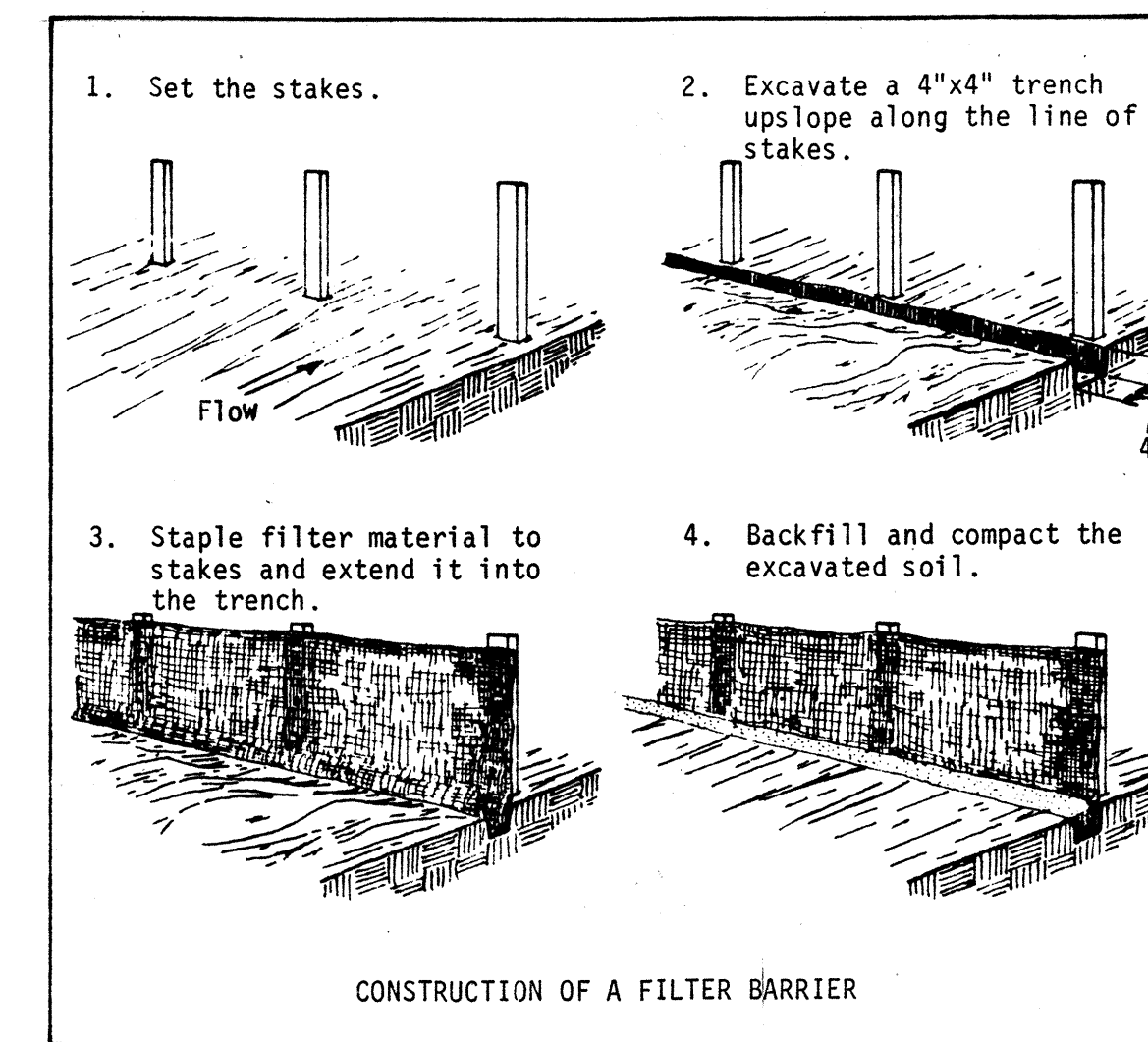
TEMPORARY CONSTRUCTION ENTRANCE

(PLACE V.D.H. #T. COARSE AGGREGATE NO. 1 (2" - 3" STONE) OR EQUAL, (REFER TO W.S.D.O.T. STD. SPEC. 8-15.3(6) AND 9-03.9(1)), AT EDGE OF EXISTING ASPHALT (50' LONG, 28' WIDE AND 6" DEEP))

TEMPORARY CONSTRUCTION ENTRANCE MAINTENANCE

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOW OF MUD ONTO PUBLIC RIGHTS OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

3000 C.Y. CUT
2500 C.Y. FILL



Filter Barrier: This sediment barrier may be constructed using burlap or standard strength synthetic filter fabric. It is designed for low or moderate flows not exceeding 1 cfs. See Plate 1.06a.

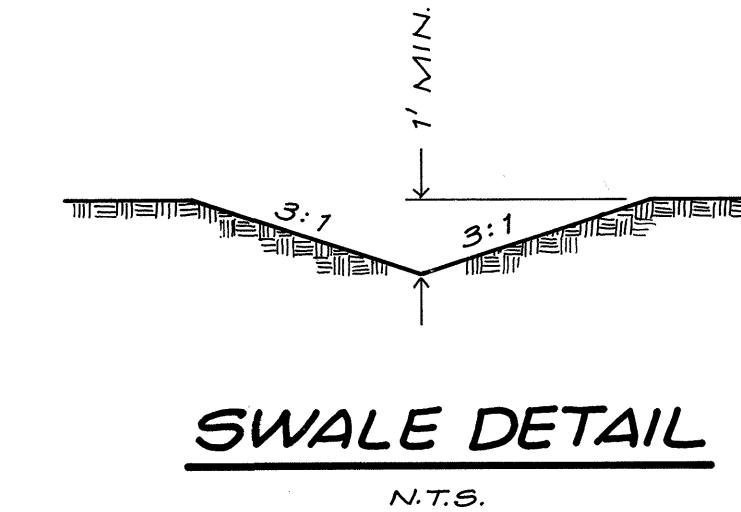
- The height of a filter barrier shall be a minimum of 15 inches and shall not exceed 18 inches.
- Burlap or standard strength synthetic filter fabric shall be purchased in a continuous roll and cut to the length of the barrier to avoid the use of joints (and thus improve the strength and efficiency of the barrier).
- The stakes shall be spaced a maximum of 3 feet apart at the barrier location and driven securely into the ground (minimum of 8 inches).
- A trench shall be excavated approximately 4 inches wide and 4 inches deep along the line of stakes and upslope from the barrier.
- The filter material shall be stapled to the wooden stakes, and 8 inches of the fabric shall be extended into the trench. Heavy duty wire staples at least 1/2-inch long shall be used. Filter material shall not be stapled to existing trees.
- The trench shall be backfilled and the soil compacted over the filter material.
- If a filter barrier is to be constructed across a ditch line or swale, the barrier shall be of sufficient length to eliminate end flow, and the plan configuration shall resemble an arc or horseshoe with the ends oriented upslope (Plate 1.06b).
- Filter barriers shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.

MAINTENANCE

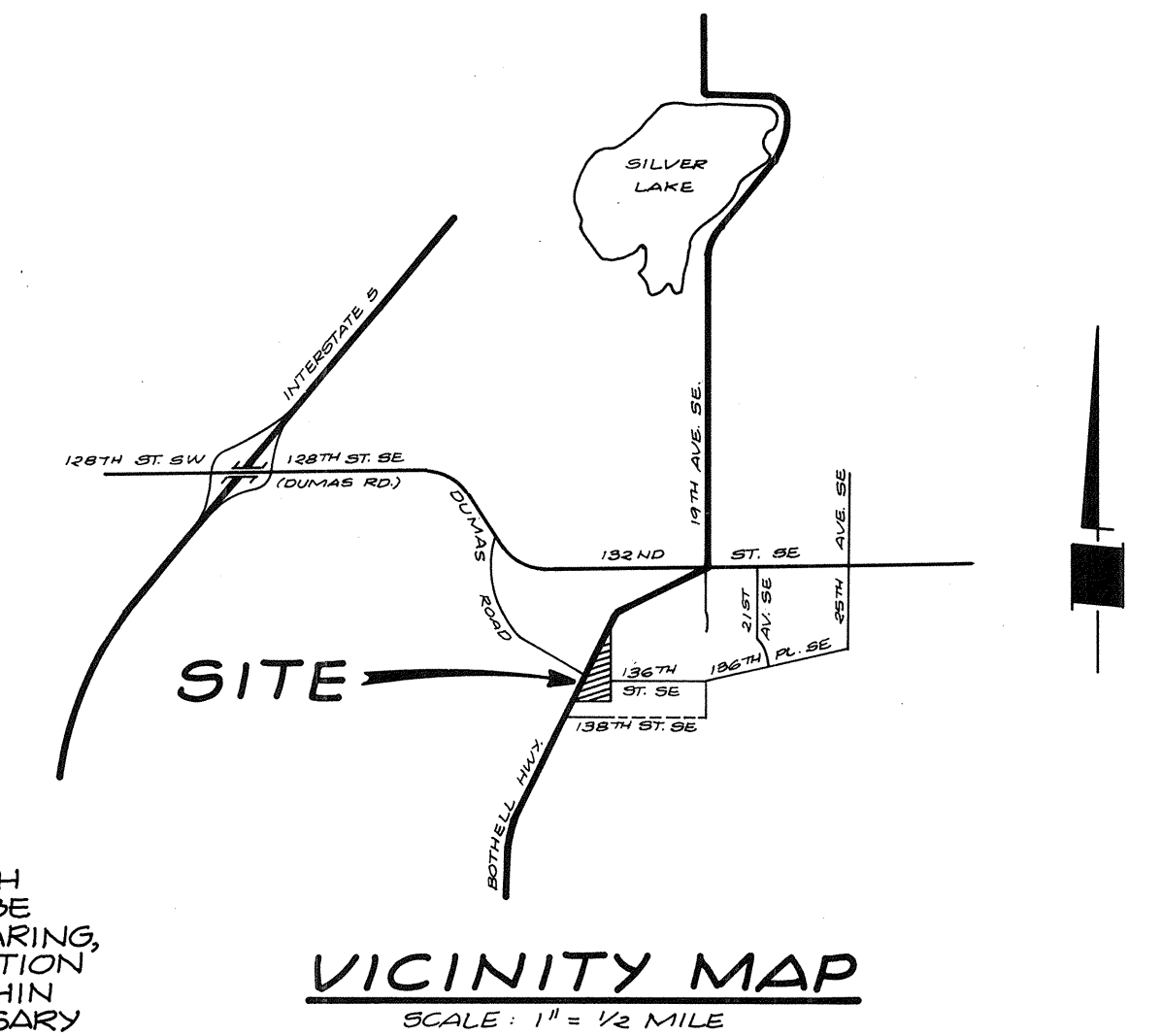
- Silt fences and filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
- Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced promptly.
- Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
- Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.

BENCH MARK: RR SPIKE IN POWER POLE AT NE CORNER OF VILLAGE GREEN DRIVE AND BOTHELL EVERETT HIGHWAY. ELEV. 416.00

DATUM: SILVER LAKE WATER DISTRICT (SEWER PLAN)



NOTE: A 20' WIDE NATIVE GROWTH PROTECTION EASEMENT SHALL BE MAINTAINED AS SHOWN. NO CLEARING, GRADING, FILLING, OR CONSTRUCTION OF ANY KIND SHALL OCCUR WITHIN THIS AREA EXCEPT FOR NECESSARY UTILITY INSTALLATIONS. REMOVAL OF TREES BY THE PROPERTY OWNER SHALL BE LIMITED TO THOSE WHICH ARE DEAD, DISEASED, OR HAZARDOUS.



GRADING AND TEMPORARY EROSION CONTROL PLAN ONLY FOR

DUMAS LANE

IN NE 1/4, SECTION 31, T. 28 N., R. 5 E., W.M. SNOHOMISH COUNTY, WASHINGTON

PERMANENT STORM DRAINAGE SYSTEM IS NOT A PART OF THIS APPROVAL.

APPROVED FOR CONSTRUCTION *Robert S. Jorgensen* 9/15/85 DATE

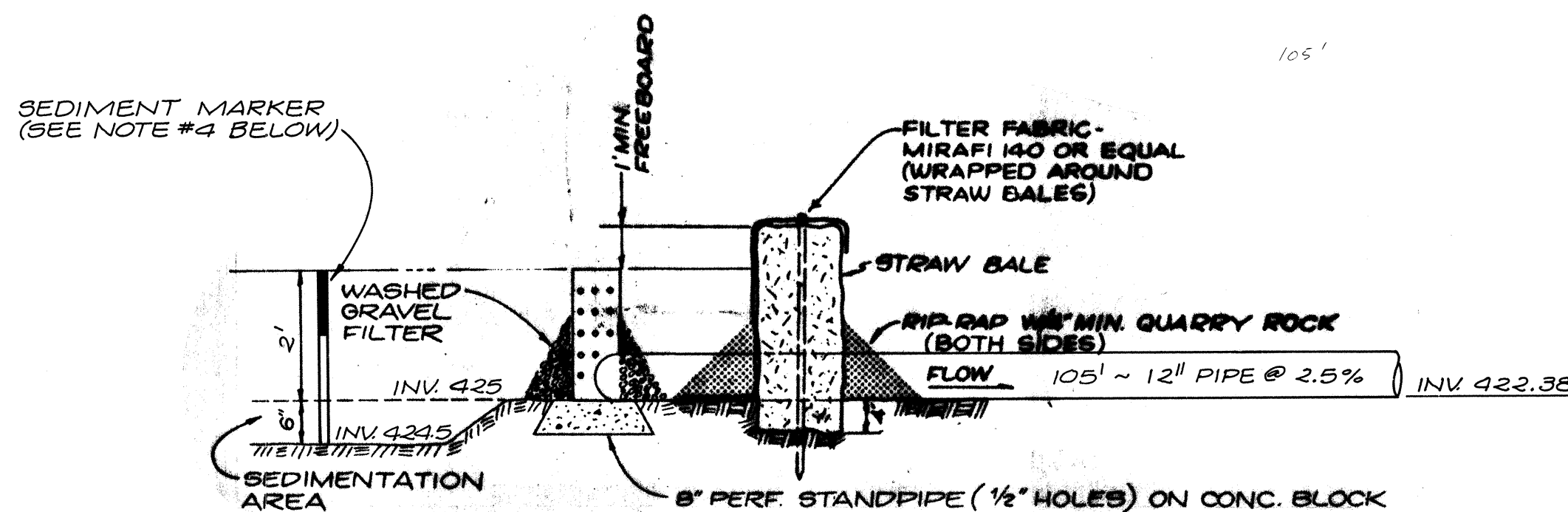
NOTE: IF IMPROVEMENTS ARE NOT INSTALLED UNDER A NORMAL PROGRESSION OF EVENTS AND CLEARING MUST REMAIN THRU THE WINTER, THE PROPERTY MUST BE COVERED WITH STRAW MULCH, APPROXIMATELY 1 1/2 - 2 TONS PER ACRE TO PREVENT EROSION STARTING DUE TO RAIN - DROP VELOCITY.

2	LOT GRADING	9-5-85	TVC
1	PER COUNTY REVIEW	8-20-85	TVC
		6-26-85	TVC
Lovell-Sauerland & Associates, Inc. SURVEYORS • DEVELOPMENT CONSULTANTS • PLANNERS 23106 100TH AVE. W. • EDMONDS WA. 98020 • PHONE 775-1591			
DRAWN	CHECKED	DATE	F.B.
TVC	RSJ	6-4-85	213
SCALE	FILE NO.		
1" = 50'	84-1255		

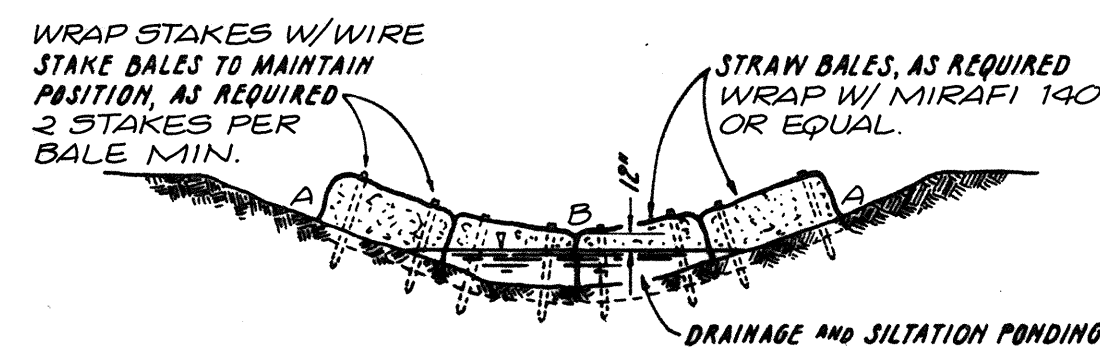
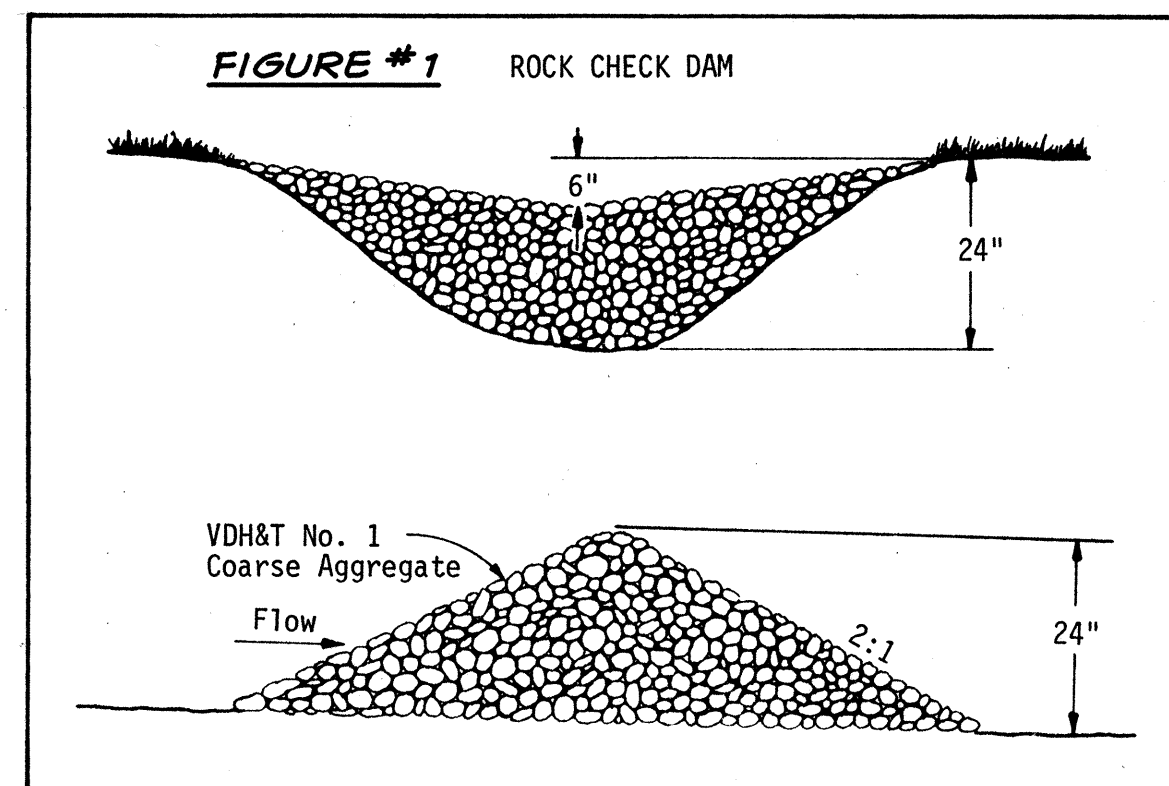


DUMAS LANE

SHEET 1 OF 2
HDEV-135



SECTION THRU POND
N.T.S.
(SECTION 'A-A')

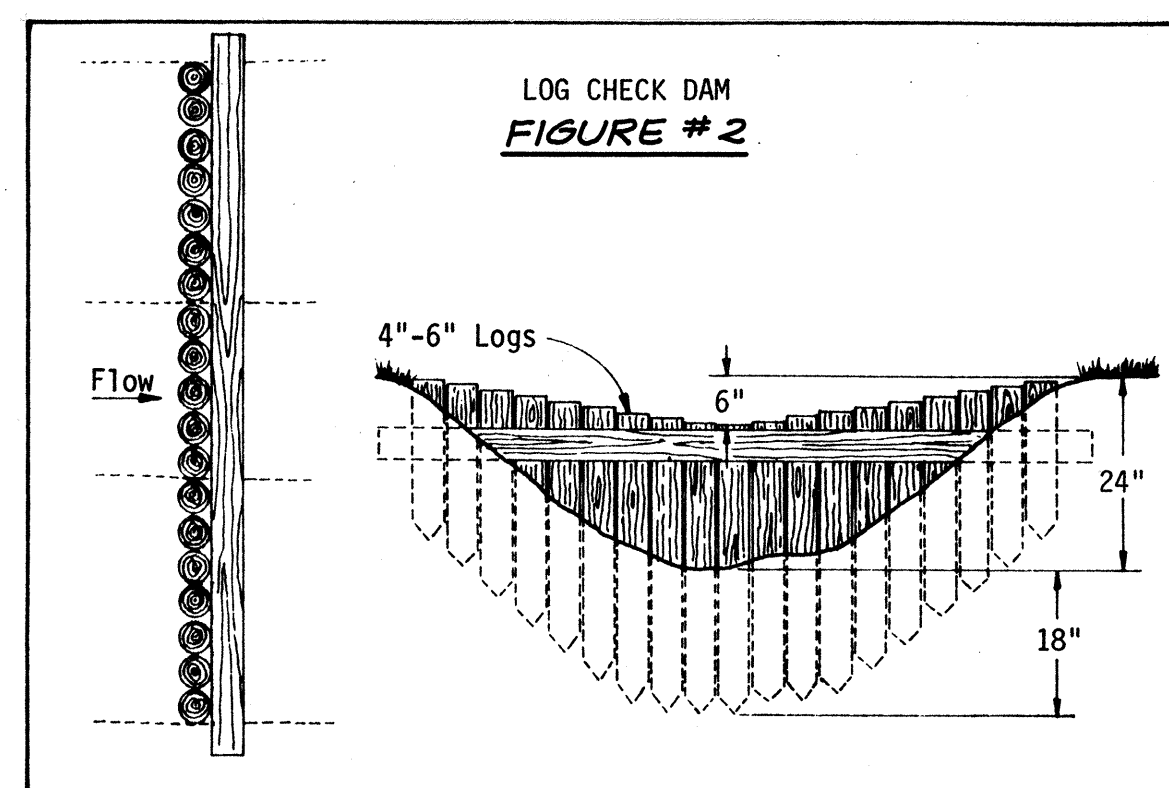


SILTATION CONTROL FILTER
N.T.S.

NOTE: POINTS 'A' TO BE HIGHER THAN POINT 'B'.

MAINTENANCE

1. STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
2. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
3. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
4. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
5. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.



CHECK DAM NOTES

Stone check dams should be constructed of VDH&T Aggregate No. 1 (2- to 3-inch stone). The stone should be placed according to the configuration in Figure #1. Hand or mechanical placement will be necessary to achieve complete coverage of the ditch or swale and to insure that the center of the dam is lower than the edges.

Log check dams should be constructed of 4- to 6-inch logs salvaged from clearing operations on site, if possible. The logs should be embedded into the soil at least 18 inches. The 6-inch lower height required at the center can be achieved either by careful placement of the logs or by cutting the logs after they are in place.

MAINTENANCE

Check dams should be checked for sediment accumulation after each significant rainfall. Sediment should be removed when it reaches one half of the original height or before.

Regular inspections should be made to insure that the center of the dam is lower than the edges. Erosion caused by high flows around the edges of the dam should be corrected immediately.

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH SNOHOMISH COUNTY STANDARDS AND SPECIFICATIONS.
2. PRIOR TO ANY SITE WORK, THE CONTRACTOR SHALL CONTACT THE FIELD COORDINATOR FOR PLATS, UTILITIES AND DRAINAGE, AT 259-9464, TO ARRANGE FOR THE REQUIRED INSPECTIONS.
3. ALL SITE WORK MUST COMPLY TO CHAPTER 70 OF THE BUILDING CODE.
4. THE TEMPORARY EROSION/SEDIMENTATION CONTROL FACILITY SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING IN ACCORDANCE WITH THE APPROVED TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ONSITE EROSION HAS PASSED.
5. TEMPORARY SILTATION CONTROL FILTERS SHALL BE APPROVED FILTER FABRICS.
6. TEMPORARY EROSION SEDIMENTATION CONTROL FACILITIES SHALL BE CONSTRUCTED BY PLACING SILTATION CONTROL FILTERS AROUND SWALES (NATURAL OR MAN-MADE) AND SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT LAND CLEARING AND/OR CONSTRUCTION OF PERMANENT DRAINAGE FACILITIES ARE COMPLETED, OPERATIONAL AND THEN RETURNED TO ORIGINAL GROUND CONDITIONS.
7. PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO INSURE SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THESE FACILITIES MUST BE IN OPERATION PRIOR TO CLEARING AND BUILDING CONSTRUCTION, AND SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING ARE COMPLETED AND POTENTIAL FOR ON-SITE EROSION HAS PASSED.
8. BERMS AND SWALES SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL SEDIMENT-LADEN WATER TO POLLUTION CONTROL FACILITIES. WHERE POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
9. INTERIOR SLOPES OF ALL TEMPORARY RETENTION FACILITIES SHALL BE 3:1 MAXIMUM.
10. APPROVAL OF THIS TEMPORARY EROSION SEDIMENTATION CONTROL PLAN DOES NOT CONSTITUTE AN APPROVAL OF DESIGN, SIZE, NOR LOCATION OF PIPES, RESTRICTORS, CHANNELS, OR RETENTION FACILITIES, BUT IS AN APPROVAL OF THE TEMPORARY EROSION SEDIMENTATION CONTROL PLAN ONLY.
11. STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDROSEED PREFERRED.
12. ALL FILL SHALL BE PLACED ON STABLE EARTH. THE GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, NON-COMPLYING FILL, TOPSOIL AND OTHER UNSUITABLE MATERIALS, SCARIFYING TO PROVIDE A BOND WITH THE NEW FILL.
13. ALL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY BY MODIFIED PROCTOR TEST DETERMINED BY U.B.C. STANDARD NO. 70-1, FIELD DENSITY IN ACCORDANCE WITH U.B.C. STANDARD NO. 70-2.
14. ALL DISTURBED SLOPES SHALL BE SEEDED WITH A PERENNIAL GROUND COVER (GRASS) TO PREVENT EROSION.
15. AREAS TO BE ROUGH GRADED WITH FINISH GRADING TO FOLLOW NEAR PROJECT COMPLETION ARE TO BE SEEDED WITH ANNUAL, PERENNIAL OR HYBRID RYE GRASS. THIS ALSO INCLUDES PERIMETER DIKES AND THE SEDIMENT BASIN EMBANKMENT. HYDROSEED PREFERRED.
16. IMMEDIATELY FOLLOWING FINISH GRADING, PERMANENT VEGETATION (CONSISTING OF RAPID, PERSISTENT & LEGUME) WILL BE APPLIED. (MINIMUM 120#/ACRE). THIS IS TO INCLUDE:
 - 20% A. ANNUAL, PERENNIAL OR HYBRID RYE GRASS,
 - 40% B. CREEPING RED FESCUE, AND
 - 40% C. WHITE CLOVER.
 HYDROSEED PREFERRED.
17. IF IMPROVEMENTS ARE NOT INSTALLED UNDER A NORMAL PROGRESSION OF EVENTS AND CLEARING MUST REMAIN THROUGH THE WINTER, THE PROPERTY MUST BE COVERED WITH A STRAW MULCH, APPROX. 1 1/2 - 2 TONS PER ACRE TO PREVENT EROSION STARTING DUE TO RAINDROP VELOCITY.

PERMANENT STORM DRAINAGE SYSTEM IS NOT A PART OF THIS APPROVAL.

APPROVED FOR CONSTRUCTION *Ernest L. Berg for G.E. Wood* 9/5/85
DATE

GRADING AND TEMPORARY EROSION CONTROL NOTES AND DETAILS FOR

DUMAS LANE

IN NE 1/4, SECTION 31, T. 28 N., R. 5 E., W.M.
SNOHOMISH COUNTY, WASHINGTON



1	PER COUNTY REVIEW	6-26-85	TVC
L	Lovell-Sauerland & Associates, Inc.		
S	SURVEYORS • DEVELOPMENT CONSULTANTS • PLANNERS		
	23106 100TH AVE. W. • EDMONDS WA. 98020 • PHONE 775-1591		
DRAWN	CHECKED	DATE	F.B.
TVC	RSJ	6-4-85	213
SCALE	FILE NO.		
N.T.S.	84-1255		

DUMAS LANE

SHEET 2 OF 2
HDEV-136