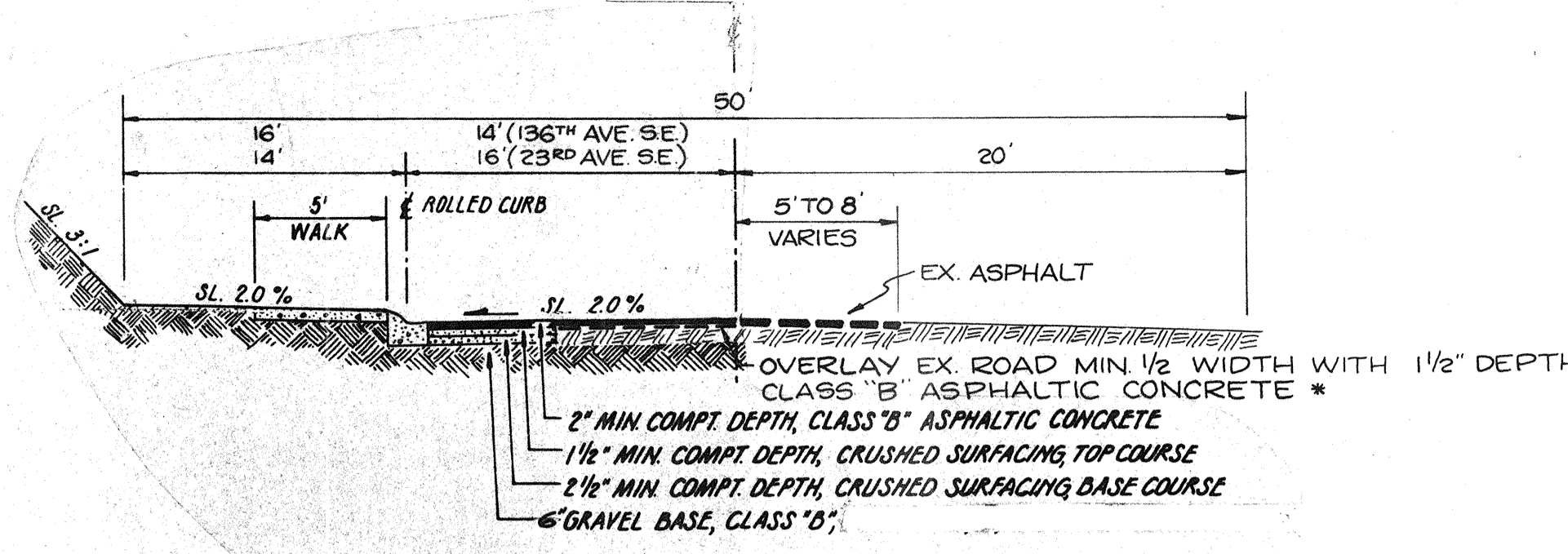
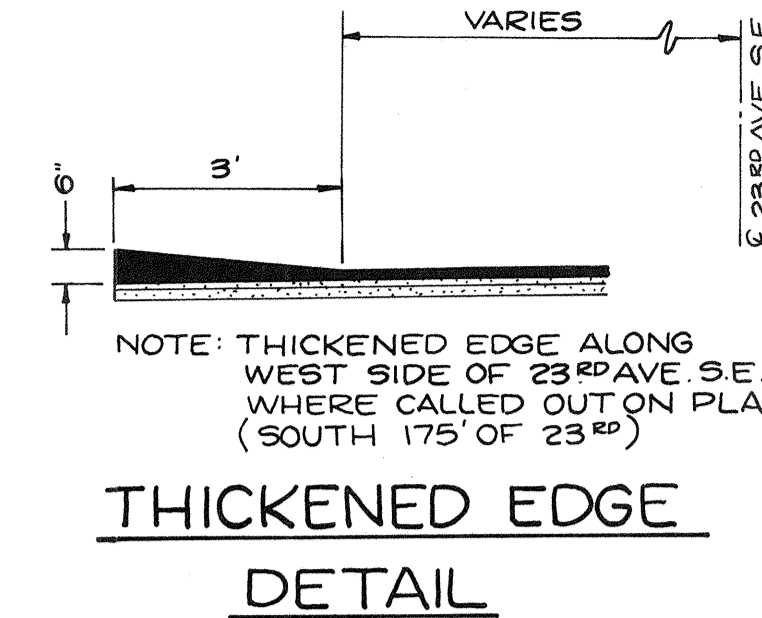


TYPICAL ROADWAY SECTION  
INTERIOR PLAT ROADS



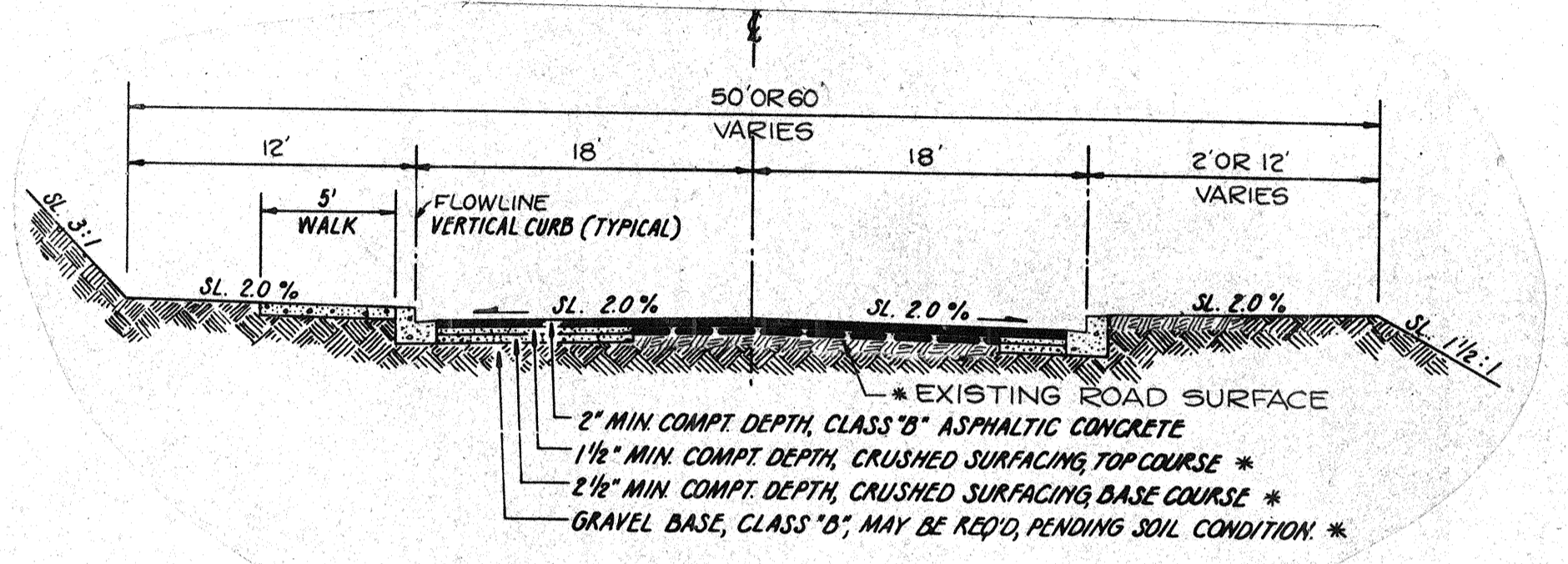
TYPICAL ROADWAY SECTION  
136TH AVE. SE. (WEST OF 25TH AVE. SE.)  
23RD AVE. SE.

\* NOTE: ASPHALT RESTORATION ON 23RD AVE. SE. SHALL BE FULL ROAD WIDTH DUE TO EXTENSIVE DISTRIBUTION OF EXISTING MATERIALS. THE REQUIREMENTS OF ROAD BASE REMOVAL AND REPLACEMENT WILL BE DETERMINED BY SNO. CO. DURING CONSTRUCTION.



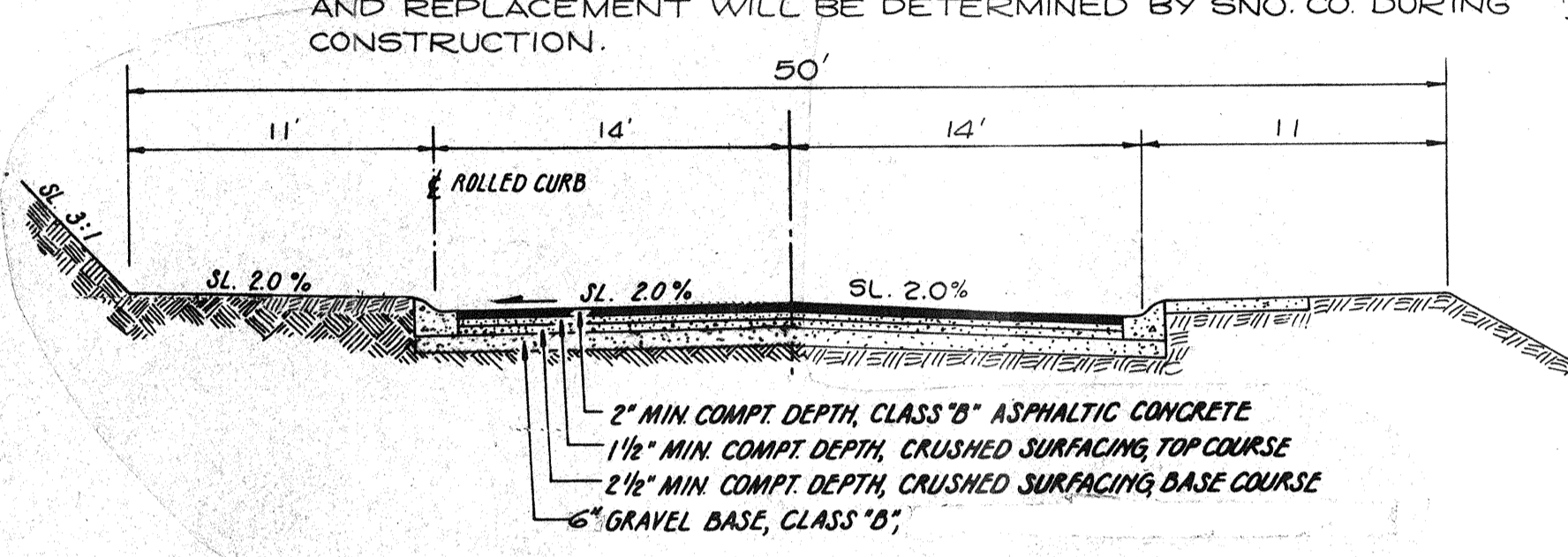
THICKENED EDGE  
DETAIL

\* NOTE: NO LONGITUDINAL ASPHALT SEAMS ALLOWED IN TRAVEL LANE.

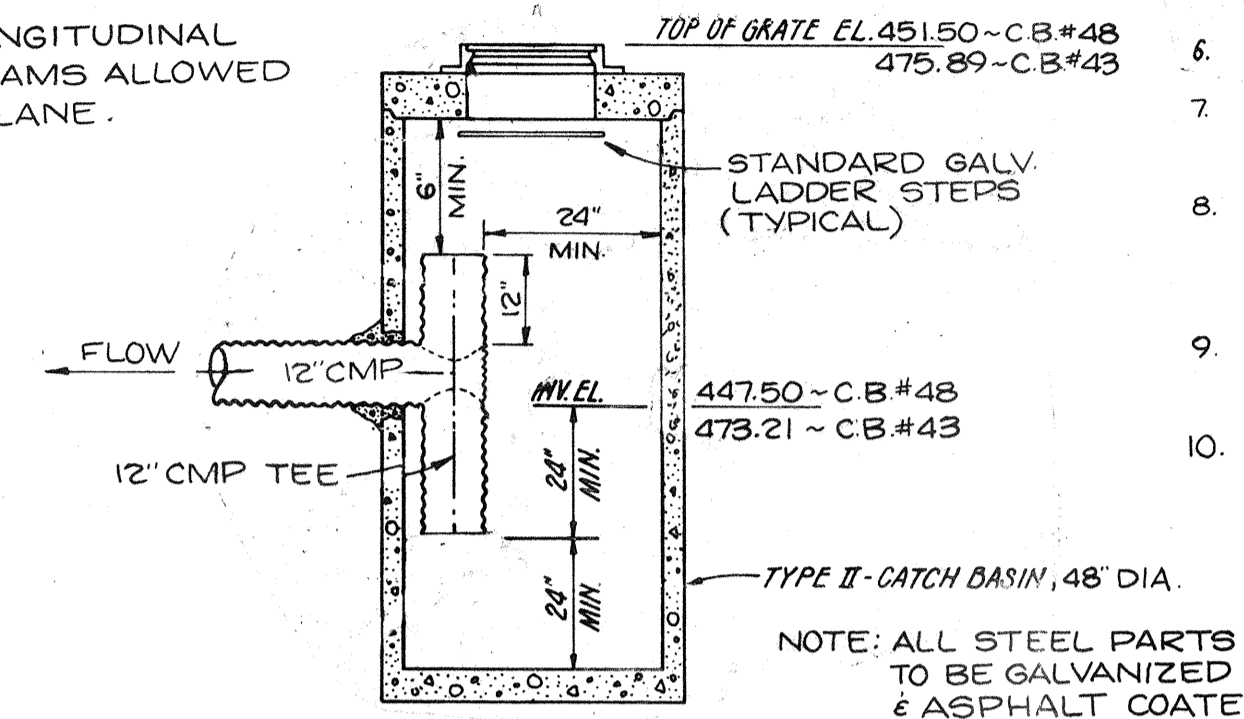


TYPICAL ROADWAY SECTION  
25TH AVE. SE. (OFF-SITE)

\* NOTE: UTILIZE EX. ROAD SURFACE AS BASE WHERE ROAD PROFILE PERMITS



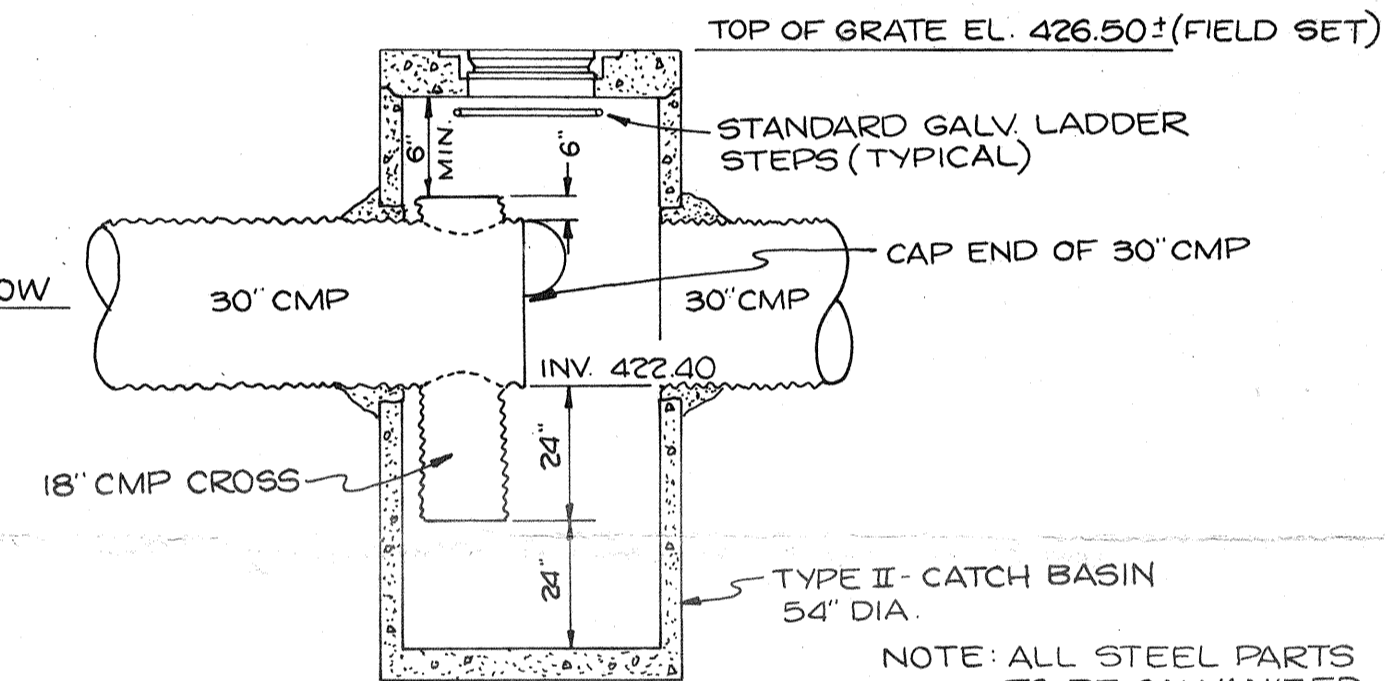
TYPICAL ROADWAY SECTION  
136TH AVE. SE. (EAST OF 25TH AVE. SE.)



OIL SEPARATOR DETAIL  
C.B.#48  
C.B.#43

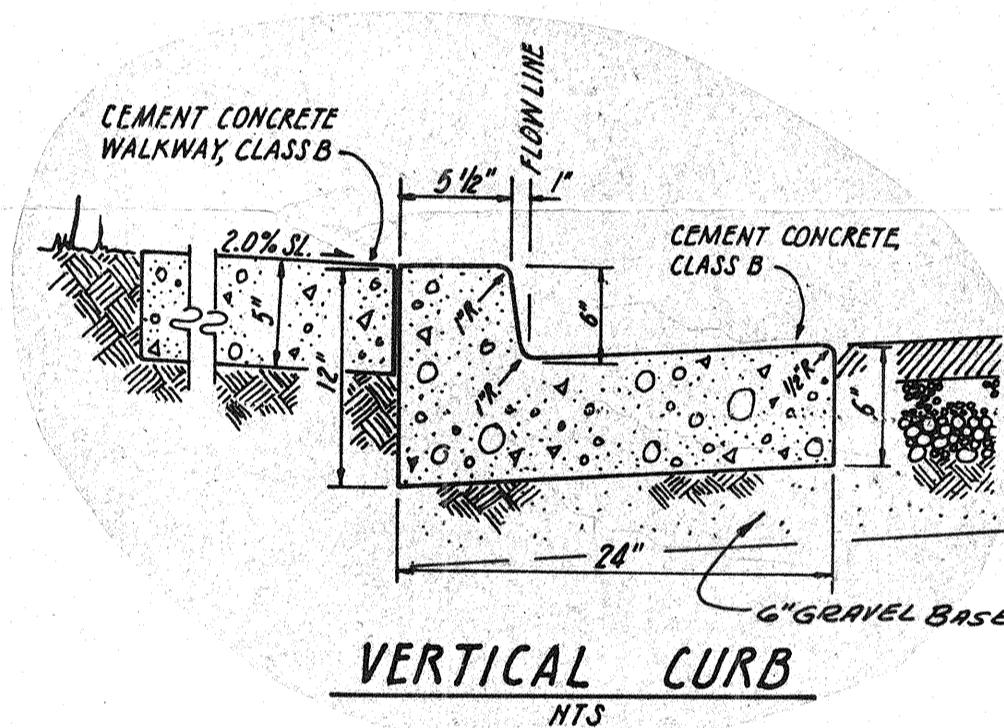
GENERAL NOTES

1. LOCATIONS SHOWN OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATIONS OF ALL UTILITIES SO AS TO AVOID DAMAGE OR DISTURBANCE.
2. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARDS AND SPECIFICATIONS OF SNOHOMISH COUNTY.
3. CONCRETE PIPE (CP) SHALL BE CONCRETE NON-REINFORCED, RUBBER GASKETED, ASTM C-14, CL-2, CORRUGATED METAL PIPE (CMP) SHALL BE AASHTO M-274-79 ALUMINIZED STEEL, 16 GA. OR CORRUGATED METAL 16 GA. GALVANIZED AND ASPHALT COATED TREATMENT 1 OR BETTER, OR CORRUGATED ALUMINUM PIPE, 16 GA.
4. MANHOLE, INLET, AND CATCH BASIN FRAMES AND GRATES SHALL NOT BE ADJUSTED TO FINISH GRADE UNTIL JUST PRIOR TO POURING OF CONCRETE CURB AND GUTTER.
5. ALL DRAINAGE STRUCTURES SHALL HAVE LOCKING LIDS.
6. ALL CATCH BASINS NOTED AS J.B. SHALL HAVE PERFORATED LIDS.
7. ALL CATCH BASINS TO BE TYPE I UNLESS OTHERWISE NOTED.
8. ALL DISTURBED AREAS SUCH AS ROADWAY BACKSLOPES, ETC., SHALL BE SEEDED WITH A PERENNIAL GROUND COVER (GRASS) TO MINIMIZE EROSION. (SEE TEMP EROSION PLANS)
9. ALL CATCH BASIN AND INLET LIDS ARE DEPRESSED 0.10 FOOT BELOW PAVED SURFACE EXCEPT AS NOTED.
10. ANY DISTURBED AREAS WITHIN THE 30' SCREENING AND PRESERVATION ESM'T. ALONG THE SOUTH PLAT BOUNDARY SHALL BE REPLANTED. THIS SHALL CONSIST OF 6-8 FOOT CONIFEROUS TREES AT 15 FOOT ON CENTER.

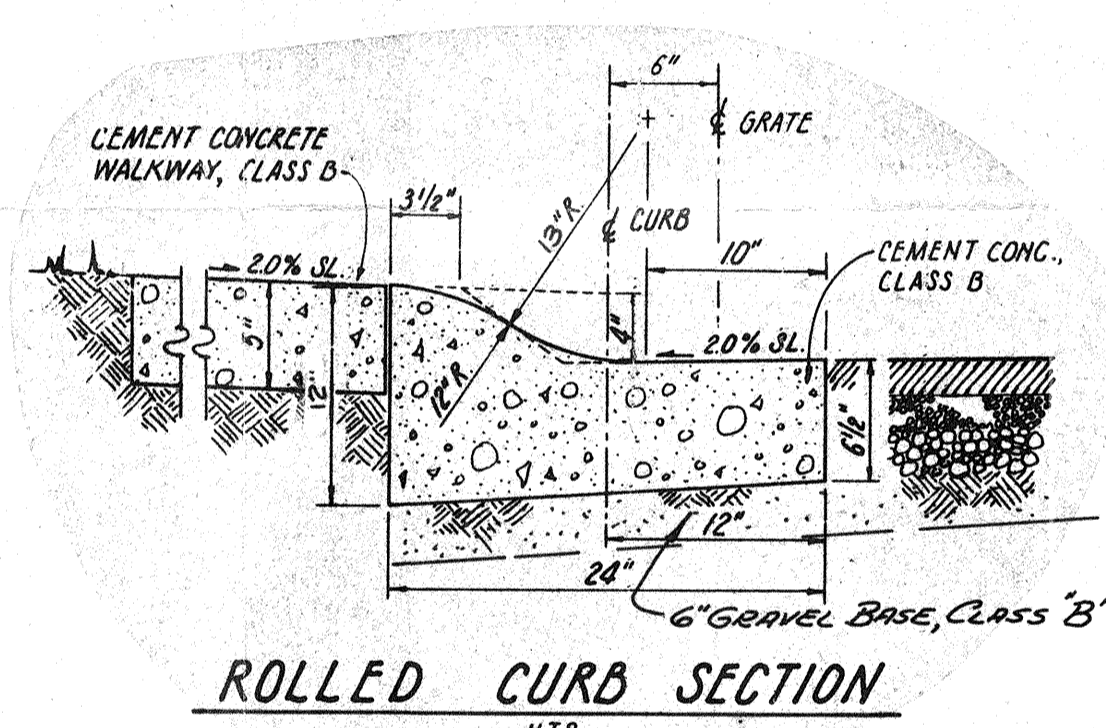


OIL SEPARATOR DETAIL  
C.B.#5  
DIV. 3

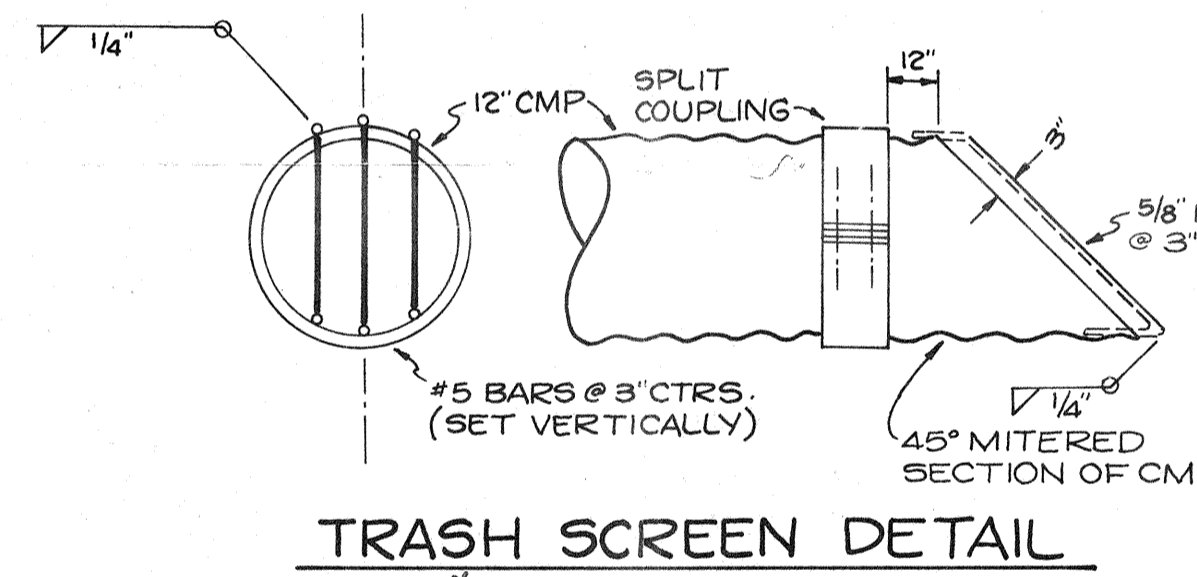
\* NOTE: ALL STEEL PARTS TO BE GALVANIZED & ASPHALT COATED.



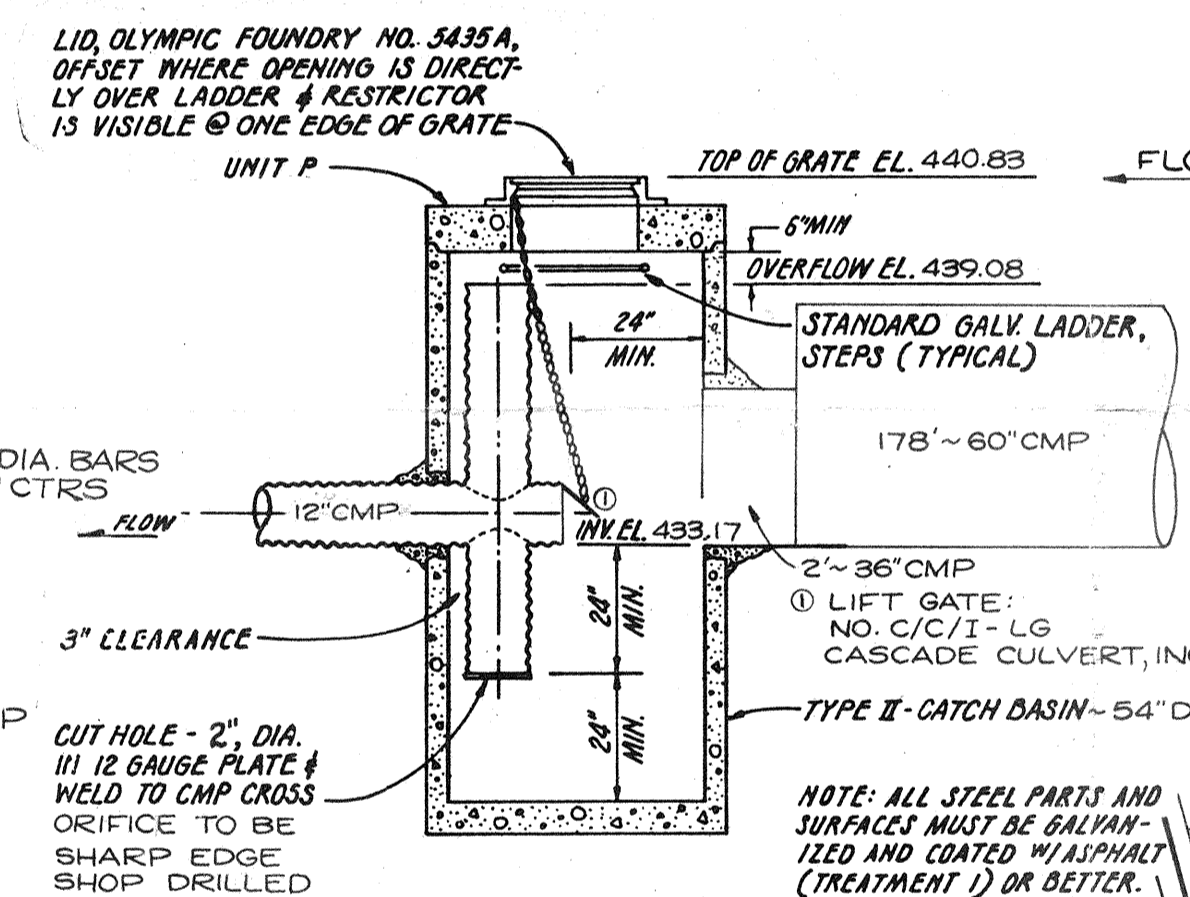
VERTICAL CURB  
HTS



ROLLED CURB SECTION  
NTS

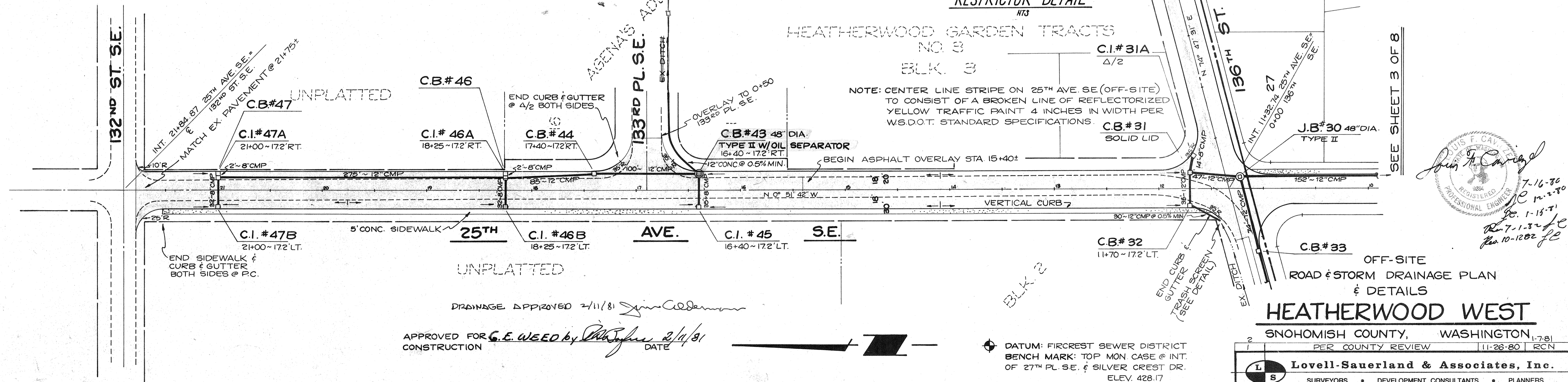


TRASH SCREEN DETAIL  
NTS



CATCH BASIN NO. 3  
RESTRICTOR DETAIL  
NTS

NOTE: CENTER LINE STRIPE ON 25TH AVE. SE (OFF-SITE) TO CONSIST OF A BROKEN LINE OF REFLECTORIZED YELLOW TRAFFIC PAINT 4 INCHES IN WIDTH PER W.S.D.O.T. STANDARD SPECIFICATIONS.



APPROVED FOR CONSTRUCTION  
G.E. WOOD by [Signature] DATE 2/14/81

DATUM: FIRCREST SEWER DISTRICT BENCH MARK: TOP MON CASE @ INT. OF 27TH PL. SE. & SILVER CREST DR. ELEV. 428.17

SNOHOMISH COUNTY, WASHINGTON		1-781	
PER COUNTY REVIEW		11-28-80 RCN	
<b>Lovell-Sauerland &amp; Associates, Inc.</b> SURVEYORS • DEVELOPMENT CONSULTANTS • PLANNERS 23106 100TH AVE. W. • EDMONDS WA. 98020 • PHONE 775-1591			
DRAWN	CHECKED	DATE	SCALE
RCN	LFC	7-16-80	1/8"
FILE NO.			78-289

SEE SHEET 2 OF 8

HEATHERWOOD GARDEN TRACTS NO. 3  
BLK. 2

2

END CONSTRUCTION  
CURB, GUTTER @ 3+28

NOTE: OVERLAY EX. ASPH.  
WITH 1 1/2" CLASS 'B' ASPH.  
TO @ OF EX. DRIVING SURFACE

C.B.#32  
11+70-172' LT.  
END CURB @ WEST  
EDGE OF SIDEWALK  
& MATCH EX ASPH.  
C.B.#33

C.B.#34  
1+80-135' LT.

C.B.#35  
3+28-135' LT.

C.I.#29A  
9+70-135' LT.

C.B.#28  
0+38-

C.B.#27  
8+20-135' RT.  
TYPE II 48"

C.I.#28A  
0+38-

C.I.#26A  
6+70-135' LT.

C.B.#25  
4+70-135' RT.

C.I.#25A  
4+70-135' LT.

C.B.#26  
6+70-135' RT.

C.I.#16A  
7+00-135' LT.

C.B.#15  
TYPE IA  
5+50-135' RT.

C.B.#14  
TYPE IA  
4+36-135' RT.

C.B.#13  
TYPE IA  
3+50-135' RT.

C.I.#15A  
5+50-135' LT.

C.B.#16  
TYPE IA  
7+00-135' RT.

C.B.#17  
8+50-135' RT.

C.I.#17A  
8+50-135' LT.

C.B.#18  
10+00-135' RT.

C.B.#19  
PC.

C.B.#49  
5+33-135' RT.

C.B.#48  
48" DIA.

J.B.#30  
48" DIA.  
TYPE II

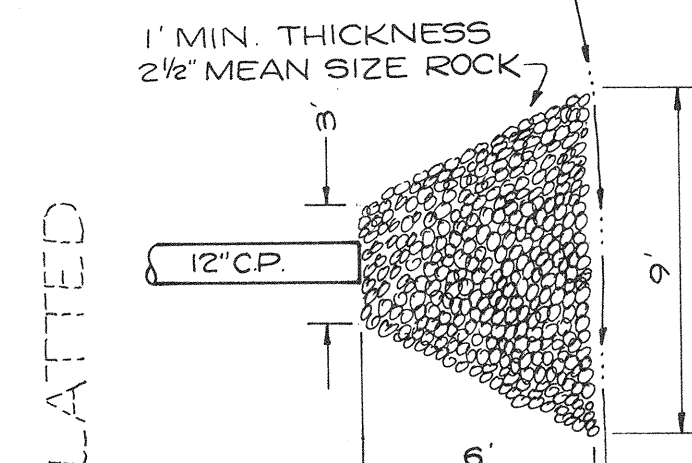
C.B.#19-X  
4/2

C.I.#19A  
3+00-135' LT.

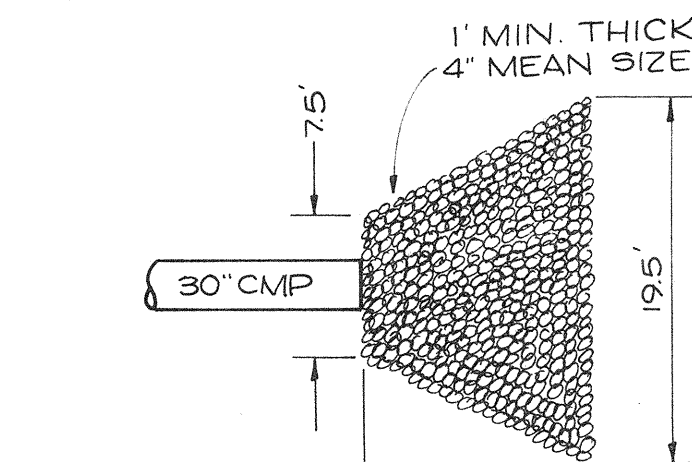
C.I.#31A  
Δ/2

C.B.#31  
SOLID LID

C.I.#49A  
6+80-1269' RT.  
5+33-135' LT.



OUTFALL FROM CB#48



OUTFALL FROM CB#5

RIP-RAP BED DETAILS  
MEAN SIZE: 1/2 ROCKS EQUAL TO  
OR GREATER IN SIZE

UNPLATTED

VACATED

SILVER CREST

SILVER

123

124

125

126

127

128

129

ROAD & STORM DRAINAGE PLAN  
FOR

**HEATHERWOOD WEST**

SNOHOMISH COUNTY, WASHINGTON

2	2 <sup>ND</sup> COUNTY REVIEW	1-7-81	RCN
1	PER COUNTY REVIEW	11-26-80	RCN

**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.
RCN	LFC	7-16-80	138	1"=50'	78-289

SEE SHEET 4 OF 8

6. AS-BUILT DIV. 5 5. AS-BUILT DIV. 4 4. REV. 136TH WIDTH  
5-11-84 G.L.J. 11-11-83 RCN 4-28-83 RCN

APPROVED BY 3. REV. DIVISIONS 7-1-82 RCN  
RCN 7/15/82 HDEV 2095 SHEET 3 OF 8

*John F. Carroll*  
7-16-80  
12-2-80  
1-13-80  
8-1-80

HEATHERWOOD GARDEN TRACTS

10



**materials (BOMANITE)**

**Concrete Mix Design:** The concrete shall have a minimum compressive strength of 3,000 psi. Portland cement shall conform to ASTM C 150, Type I, II or V, depending on soil conditions. Aggregates shall conform to ASTM C 33. Mixing water shall be fresh, clean, and potable. An air-entraining agent complying with ASTM C 260 and/or a normal-set or retarded-set water-reducing admixture complying with ASTM C 494 may be used, but nothing containing calcium chloride is permitted in the mix.

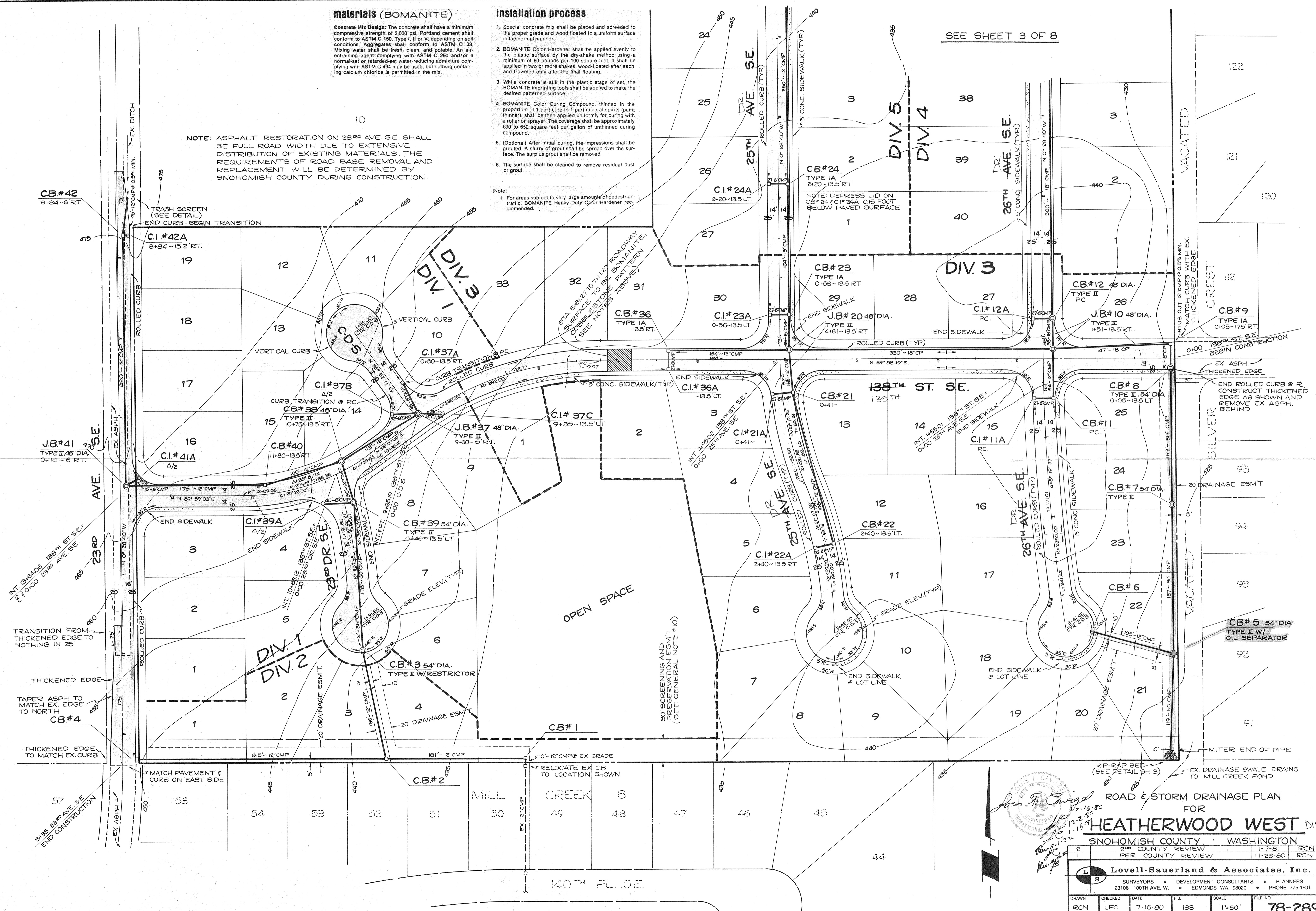
**installation process**

1. Special concrete mix shall be placed and screeded to the proper grade and wood floated to a uniform surface in the normal manner.
2. BOMANITE Color Hardener shall be applied evenly to the plastic surface by the dry-shake method using a minimum of 60 pounds per 100 square feet. It shall be applied in two or more shakes, wood-floated after each, and troweled only after the final floating.
3. While concrete is still in the plastic stage of set, the BOMANITE imprinting tools shall be applied to make the desired patterned surface.
4. BOMANITE Color Curing Compound, thinned in the proportion of 1 part cure to 1 part mineral spirits (paint thinner), shall be then applied uniformly for curing with a roller or sprayer. The coverage shall be approximately 600 to 650 square feet per gallon of unthinned curing compound.
5. (Optional) After initial curing, the impressions shall be grouted. A slurry of grout shall be spread over the surface. The surplus grout shall be removed.
6. The surface shall be cleaned to remove residual dust or grout.

(Note: 1. For areas subject to very large amounts of pedestrian traffic, BOMANITE Heavy Duty Color Hardener recommended.)

**NOTE:** ASPHALT RESTORATION ON 23<sup>RD</sup> AVE. SE. SHALL BE FULL ROAD WIDTH DUE TO EXTENSIVE DISTRIBUTION OF EXISTING MATERIALS. THE REQUIREMENTS OF ROAD BASE REMOVAL AND REPLACEMENT WILL BE DETERMINED BY SNOHOMISH COUNTY DURING CONSTRUCTION.

SEE SHEET 3 OF 8



ROAD & STORM DRAINAGE PLAN FOR **HEATHERWOOD WEST** DIV. 3

SNOHOMISH COUNTY, WASHINGTON

APPROVED BY: *[Signature]* 7-16-80

DATE: 7-16-80

SCALE: 1"=50'

FILE NO: 78-289

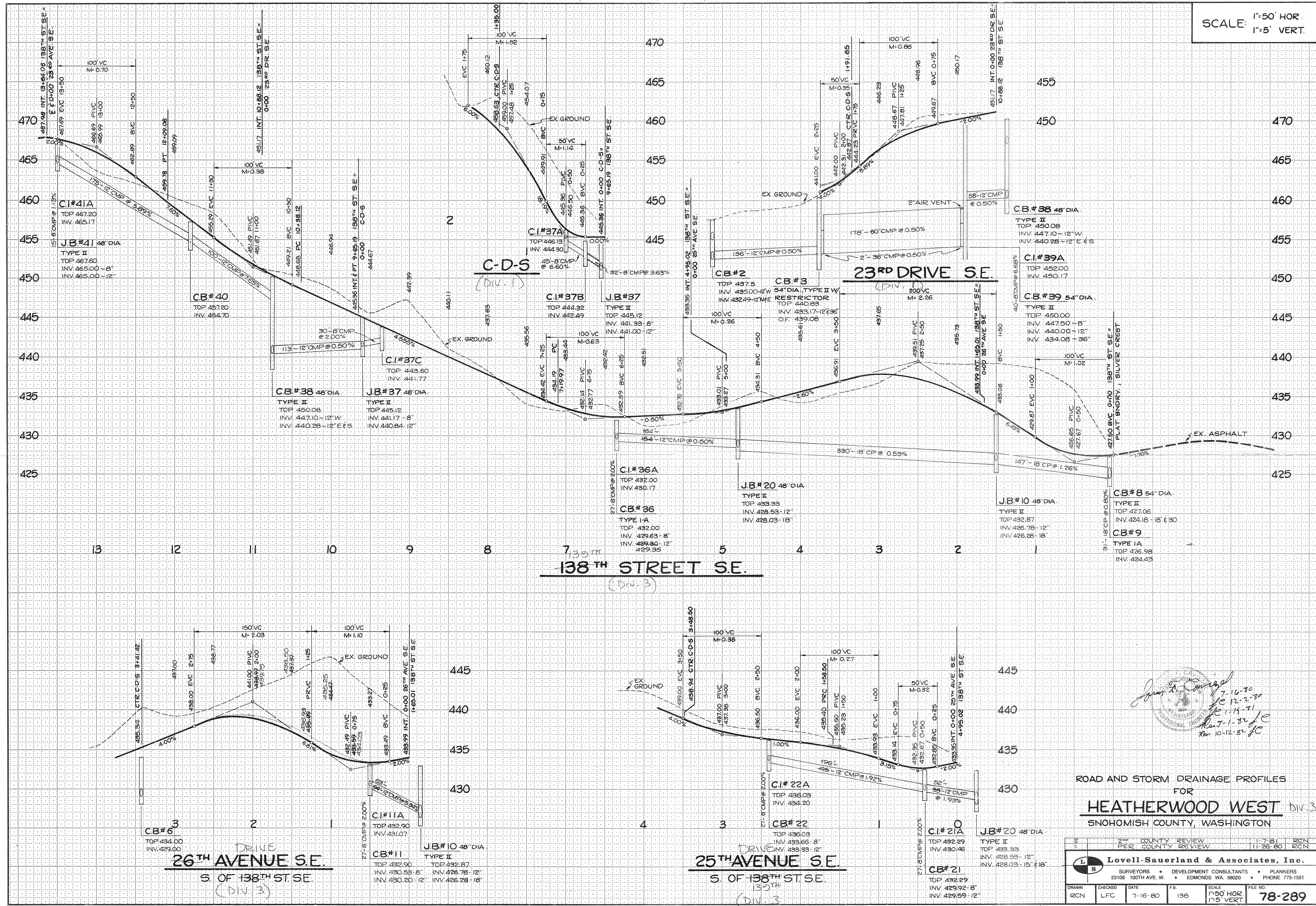
2	2 <sup>ND</sup> COUNTY REVIEW	1-7-81	RCN
1	PER COUNTY REVIEW	11-26-80	RCN

**Lovell-Sauerland & Associates, Inc.**

SURVEYORS • DEVELOPMENT CONSULTANTS • PLANNERS  
23106 100TH AVE. W. • EDMONDS WA. 98020 • PHONE 775-1591

DRAWN: RCN  
CHECKED: LFC  
DATE: 7-16-80  
F.B.: 138  
SCALE: 1"=50'  
FILE NO: 78-289

SCALE: 1"=50' HOR.  
1"=5' VERT.

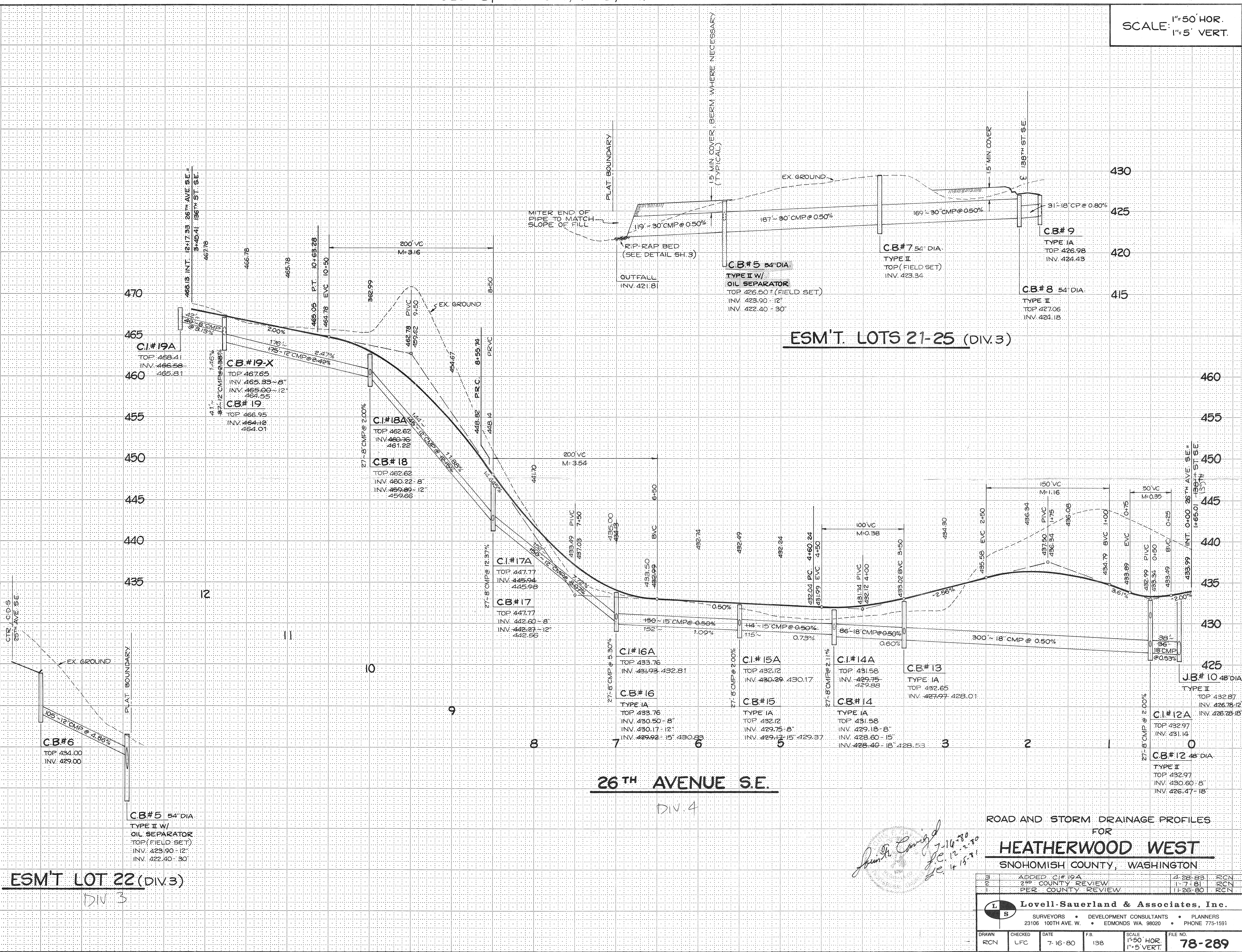


*James H. Conroy*  
7-10-80  
10-12-80  
11-15-81  
Rev 1-82 JFC  
Rev 10-12-82 JFC

ROAD AND STORM DRAINAGE PROFILES  
FOR  
**HEATHERWOOD WEST** Div. 3  
SNOHOMISH COUNTY, WASHINGTON

2	2nd COUNTY REVIEW	11-7-81	RCN
1	PER COUNTY REVIEW	11-26-80	RCN
<b>Lovell-Sauerland &amp; Associates, Inc.</b>			
SURVEYORS • DEVELOPMENT CONSULTANTS • PLANNERS 23106 100TH AVE. W. • EDMONDS WA. 98020 • PHONE 775-1591			
DRAWN	CHECKED	DATE	F.B.
RCN	LFC	7-16-80	135
SCALE			FILE NO.
1"=50' HOR. 1"=5' VERT.			78-289





ESM'T. LOTS 21-25 (DIV.3)

26TH AVENUE S.E.

ESM'T LOT 22 (DIV.3)  
DIV 3

*Amie C. [Signature]*  
7-16-80  
P.C. 12-2-80  
S.E. 12-15-81

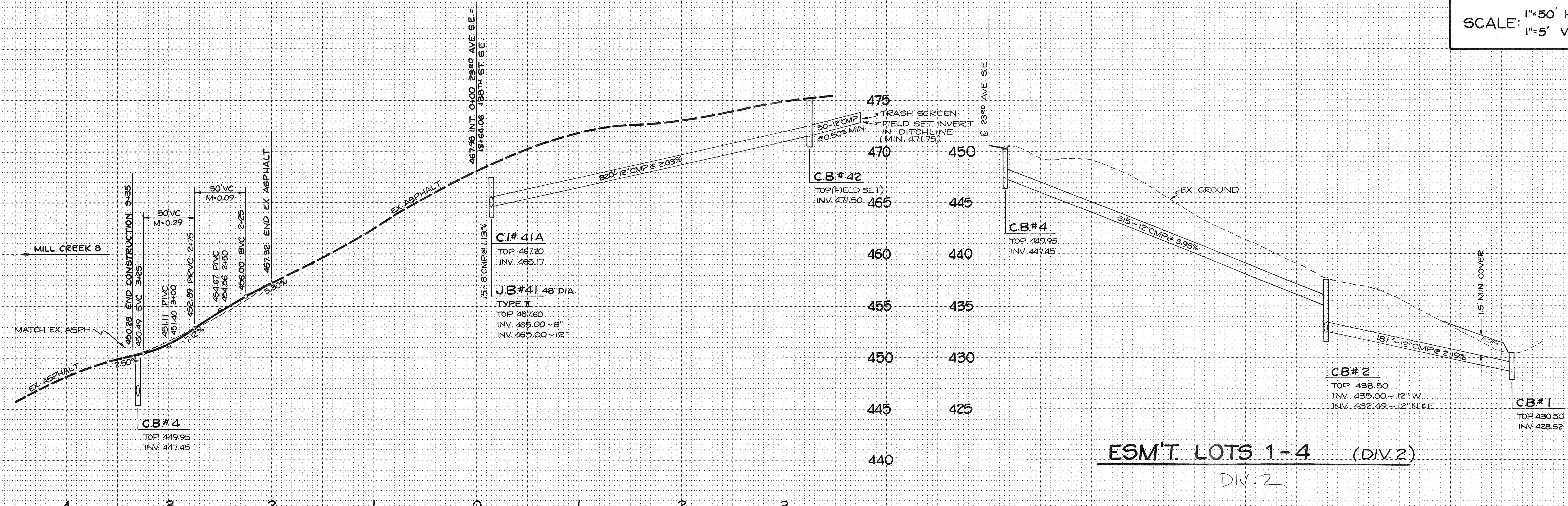
ROAD AND STORM DRAINAGE PROFILES  
FOR  
**HEATHERWOOD WEST**  
SNOHOMISH COUNTY, WASHINGTON

3	ADDED CI#19A	4-28-83	RCN
2	2 <sup>ND</sup> COUNTY REVIEW	1-7-81	RCN
1	PER COUNTY REVIEW	11-28-80	RCN

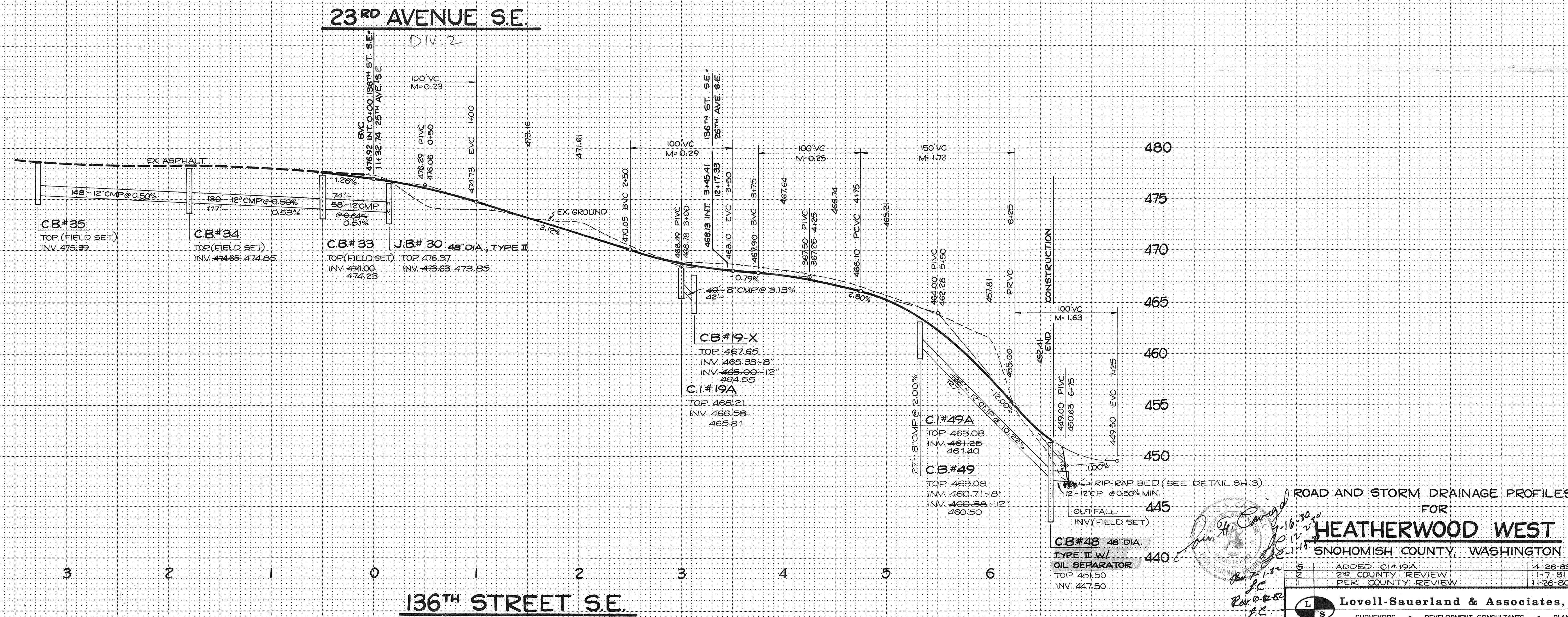
**L S** Lovell-Sauerland & Associates, Inc.  
SURVEYORS • DEVELOPMENT CONSULTANTS • PLANNERS  
23106 100TH AVE. W. • EDMONDS WA. 98020 • PHONE 775-1591

DRAWN	CHECKED	DATE	FB	SCALE	FILE NO.
RCN	LFC	7-16-80	138	1"=50' HOR. 1"=5' VERT.	78-289

SCALE: 1"=50' HOR.  
1"=5' VERT.



ESM'T. LOTS 1-4 (DIV. 2)  
DIV. 2



136TH STREET S.E.  
DIV. 4

ROAD AND STORM DRAINAGE PROFILES  
FOR  
**HEATHERWOOD WEST**  
SNOHOMISH COUNTY, WASHINGTON

5	ADDED C.I.#19A	4-28-83	RCN
2	2 <sup>ND</sup> COUNTY REVIEW	1-7-81	RCN
1	PER COUNTY REVIEW	11-26-80	RCN

**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.
RCN	LFC	7-16-80	138	1"=50' HOR. 1"=5' VERT.	78-289

APPROV. BY: R.M.M. 3. PIPE CB#1-CB#2 7-1-82 RCN  
4. AS-BUILT DIV. 1 10-12-82 RCN  
5. AS-BUILT DIV. 3-4 11-11-83 RCN