

LEGEND

CONC. MON. W/BRASS
CAP IN CASE TO BE SET

T.B.M. 'A'
SET RR SPIKE IN
N. FACE OF P. POLE #31
E.L. = 405.83
DATUM: LOCAL SEWER

UNDEVELOPED
CITY OF MILL CREEK

C.B. #5 TYPE II
CONTROL STRUC.
1+79.1 LT. (25TH)
END EXTR. CURB &
BEGIN VERT. CURB

INTERSECT
1+30 25TH AVE =
0+00 163 RD PL.

MILL CREEK
SNOHOMISH COUNTY
0+00 25TH AVE

T.B.M. 'B'
N. RIM BAN. SEW. MH.
E.L. = 398.92
DATUM: LOCAL SEWER

CURB DATA ~ TO BACK OF CURB : TOP OF C&D

A Δ=90°07'24" R=35' L=50.05 PC=0+48.9=400.00 (163 RD) 1/4Δ=400.37 1/2Δ=400.74 3/4Δ=401.10 PT=1+78.9=401.47 (25TH AVE.)	D Δ=268°49'50" R=40' L=187.68 1/4Δ=44°48'18" PC=PT=1+92=418.20 1/2Δ=418.51 3/4Δ=418.80 %Δ=419.39 PT=FC=1+85=418.20	G Δ=44°24'55" R=36' L=27.91 PC=1+56.81=417.80 1/4Δ=418.00 PT=1+82=418.20
B Δ=90°00'00" R=36' L=55.50 PC=2+35=412.13 (163 RD) 1/4Δ=413.03 1/2Δ=413.34 3/4Δ=413.64 PT=0+50=415.74 (25TH DR.)	E Δ=268°49'50" R=40' L=187.68 1/4Δ=44°48'18" PC=PT=7+35.27=426.69 1/2Δ=427.00 3/4Δ=427.45 %Δ=428.18 PT=FC=7+35.27=426.69	H Δ=44°24'55" R=36' L=27.91 PC=7+10.08=426.35 1/4Δ=426.52 PT=7+35.27=426.69
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CONSTRUCTION SCHEDULE

- 1) INSTALL T.E.S.C.P. (SEE SHT. 5)
- 2) CLEARING & GRADING (SEE SHT. 5)
- 3) SEWER AND WATER MAIN (A.W.D. PLANS)
- 4) STORM DRAINAGE FACILITIES
- 5) CURBS AND SIDEWALKS
- 6) PAVE STREETS

WE HEREBY CERTIFY THAT THE
IMPROVEMENTS ARE LOCATED AS SHOWN
ON THESE AS-BUILT PLANS.

PROJECT MANAGER
OR SURVEYOR

DEVELOPER

GENERAL NOTES (CONTINUED)

All work and materials shall be in accordance with Snohomish County
Specifications and Standards and Washington State Department of
Transportation Standard Specifications for Road, Bridge, and
Municipal Construction.

All work within the site and county right-of-way shall be subject to
the inspection of the county engineer or his designated
representative.

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 on-
site erosion has passed.

Unless otherwise noted all storm sewer pipe shall be concrete (CP)
nonreinforced, ASTM C-14 (24" diameter and larger to be reinforced,
ASTM C-76), or corrugated metal (CMP). CMP to be galvanized steel
with treatment 1 asphalt coating or better, or corrugated aluminum
pipe, or ASHUTO M274-70 aluminum steel. All pipes shall have rubber
gaskets.

CP indicates concrete pipe will be required. CMP indicates corrugated
metal pipe may be used instead of concrete pipe.

Areas to be rough-graded with finish grading to follow near project
completion are to be seeded with annual, perennial or hybrid ryegrass.
This includes perimeter dikes and the sediment basin.

Immediately following finish grading, permanent vegetation
(consisting of rapid, persistent and legume) will be applied.
(Minimum 80% per acre) This is to include the following:

20% Annual, perennial or hybrid ryegrass
40% Creeping Red Fescue
40% White Clover

HYDRO-SEED preferred.

FERTILIZER: Shall be applied at 400# per acre of 10-20-20 (10 pounds
per 1000 square feet) or equivalent.

PREPARATION OF SURFACE: All areas to be seeded shall be cultivated to
the satisfaction of the county inspector. This may be accomplished by
discing, raking, harrowing or other acceptable means.

PIPE SPECIFICATIONS:
Galvalume steel CMP shall meet the requirements of ASHUTO
designation M-36, type 1 & type 2. Pipe to be helical with 2 2/3" X
1/2" corrugations and shall have asphalt treatment 1 or better.

Gage	Pipe	Arch	Band Size
16	12"-36"	17x13 thru 42x29	12"
14	42"-48"	49x33	18"
12	54"-60"	57x38 & 64x43	24"

ALUMINUM

Gage	Pipe	Arch	Band Size
16	12"-27"	17x13 thru 42x29	12"
14	30"-36"	28x20 & 35x24	18"
12	42"-54"	42x28 & 49x33	18"
10	60"	57x38 & 64x43	24"

All non-perforated metal pipe shall have neoprene gaskets at the
joints.

Backfill trench of new utilities shall be compact to 95% relative
compaction under roadways and 90% relative compaction off roadways,
as specified in Section 2-03.3(14)D and Section 2-03.3(14)B.

Prior to sidewalk construction, the County Inspector will evaluate
individual lot drainage and direct the installation of catch basins
stubouts and or behind sidewalk french drains as required. Stubouts shall
be marked with a 2' X 4'. Locations of these installations shall be
placed on the as-built construction plans and submitted to the
County.

Storm water retention/detention facilities must be constructed and
maintained in accordance with Snohomish County requirements.

Provide and maintain the temporary sedimentation collection
facilities to insure sediment laden waters does not enter the natural
drainage system.

All disturbed areas such as retention facilities, roadway back-slopes,
etc. shall be seeded with a perennial ground cover grass to minimize
erosion. Grass seeding will be done using an approved HYDROSEEDER or
as otherwise approved by Snohomish County.

All earth work shall be performed in accordance with county
standards. Pre-construction soils investigation may be required to
evaluate soils stability.

If cut and fill slopes exceed a maximum of two feet horizontal to one
foot vertical, a rock or concrete retaining wall will be required. All
rock retaining walls are to follow county specifications and to be
designed and certified by a civil engineer experienced in soils
mechanics.

Vegetation shall be established on areas disturbed or on areas of
construction as necessary to minimize erosion.

Stockpiles are to be located in safe areas and adequately protected
by temporary seeding and mulching. HYDRO-SEED preferred.

AS-BLT
3/10/87

REV. 1 12-11-86 RER
REV. 2 3-6-87 RD

WE HEREBY CERTIFY THAT THE
IMPROVEMENTS ARE LOCATED AS SHOWN
ON THESE AS-BUILT PLANS.

PROJECT MANAGER
OR SURVEYOR

DEVELOPER

13322 HWY. 99 SOUTH
EVERETT, WA 98204
PHONE (206) 745-1594

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH SNO-
HOMISH COUNTY STANDARDS AND SPECIFICATIONS.
2. PRIOR TO ANY SITE WORK PERTAINING TO DRAINAGE, THE CON-
TRACTOR SHALL CONTACT THE CHIEF INSPECTOR FOR LAND
DEVELOPMENT DIVISION AT (206) 259-9444 TO SET UP SCHEDULING.
DUE TO FIELD CHANGES (REVISIONS), ENGINEERED AS-BUILTS
WILL BE REQUIRED PRIOR TO SITE APPROVAL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION
OF THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES (WHETHER
SHOWN ON THIS PLAN OR NOT) PRIOR TO BEGINNING OF
CONSTRUCTION, SO AS TO AVOID DAMAGE OR DISRUPTION. THE
CONTRACTOR SHALL NOTIFY THE ENGINEER AT EARLIEST OPPORTUNITY
REGARDING APPARENT UTILITY CONFLICTS.
4. ALL FILLS SHALL BE COMPACTED TO MINIMUM OF 95% OF MAXIMUM
DENSITY, (DETERMINED BY THE MODIFIED PROCTOR TEST).
5. CHADING OUTSIDE OF THE COUNTY RIGHT-OF-WAY MUST COMPLY WITH
CHAPTER 70 OF THE UNIFORM BUILDING CODE.
6. STORM SEWER PIPE MAY BE:
A. PLAIN CONCRETE PER AASHTO DESIGNATION M 86, CLASS 2.
(RUBBER GASKET)
B. CORRUGATED STEEL PIPE, 16 GAUGE, GALVANIZED W/ASPHALT
TREATMENT #1 OR BUTTER. (RUBBER GASKET)
C. CORRUGATED ALUMINUM PIPE, 16 GAUGE IN R/W. (RUBBER
GASKET)
D. ALUMINIZED STEEL MEETING AASHTO DESIGNATION M 36, 16
GAUGE (RUBBER GASKET)
E. POLYVINYL CHLORIDE (P.V.C.) DRAIN PIPE MEETING AASHTO
DESIGNATION M 278, 8" DIAMETER MAXIMUM. P.V.C. NOT
ALLOWED IN THE R/W. (RUBBER GASKET)

ALL PIPE SHALL HAVE CLASS "B" BEDDING UNLESS OTHERWISE
SHOWN.

7. DETENTION PIPE SHALL BE 14" GAUGE CORRUGATED STEEL PIPE
55"x73" CMPA WITH 3"x1" CORRUGATIONS AND ASPHALT TREATMENT NO.
1. CONNECTING BASINS SHALL BE MINIMUM 18" WIDE, WITH RUBBER
GASKETS. COMPACTION TESTS WILL BE REQUIRED AROUND THE PIPE.
NATIVE MATERIAL WILL NOT BE ALLOWED FOR BACKFILL AROUND
PIPE. 100% IMPORTED GRAVEL BASE CLASS 5 WILL ONLY BE
ACCEPTABLE. CONTRACTOR WILL SUPPLY METHOD OF COMPACTION AND
LIST EQUIPMENT PRIOR TO WORK STARTING. COMPACTION TESTS BY
MODIFIED PROCTOR METHOD.

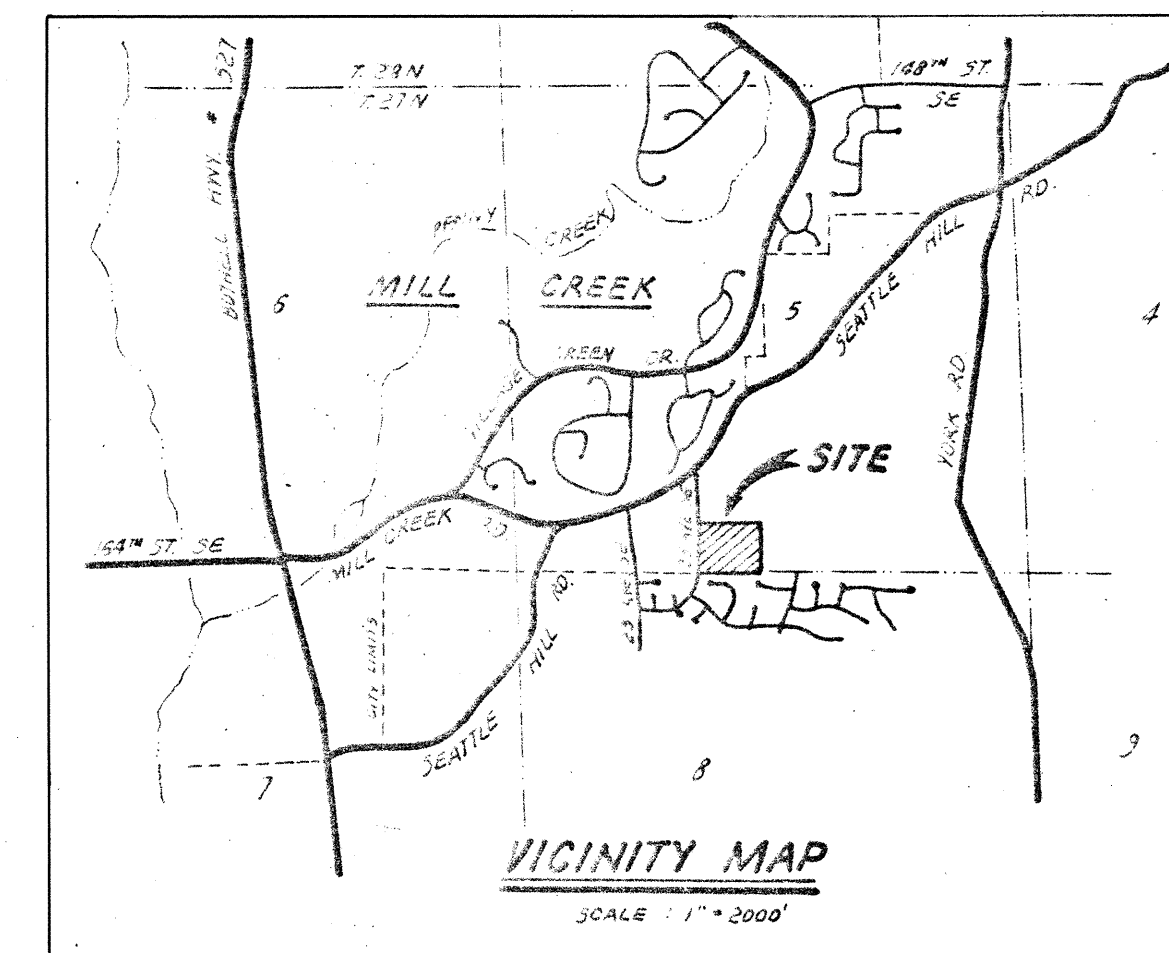
REBAR-SEE DETAIL 20-CORRUGATED ALUMINUM REBAR, 14" CENTER

GENERAL NOTES (CONTINUED)

8. A SURVEY OF THE DETENTION SYSTEM IS REQUIRED TO CERTIFY THE
OFFICE SIZE, F.O.D.P. DIMENSIONS, AND DETENTION CAPACITY OF
THE SYSTEM "AS BUILT". CERTIFICATION BY A CIVIL ENGINEER IS
REQUIRED.
9. 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
BACK-FILLED TO GRADE WITH SAND-WASHER, COARSE STONE OR
OTHER SUITABLE MATERIAL. NEVER INSTALL PIPE ON SOD, FROZEN
EARTH OR LARGE Boulders OR ROCK.
10. THE BACKFILL SHALL BE PLACED EQUALLY ON BOTH SIDES OF THE
PIPE OR PIPE-ARCH IN LAYERS WITH A LOGIC AVERAGE DEPTH OF
6", MAXIMUM DEPTH 8", THOROUGHLY TAMPING EACH LAYER. IN ALL
CONCRETE LAYERS MUST EXTEND FOR ONE DIAMETER ON EACH SIDE
OF THE PIPE OR TO THE SIDE OF THE TRINCH. MATERIALS TO
CONSIST THE FILL OVER PIPE SHALL BE THE SAME AS DESCRIBED.
(REFER TO WSDOT STD. SPEC. 7-04.3(1) AND STD. SPEC. 2-
03.3(14)(C), METHOD B & C).
11. ALL DISTURBED SLOPES SHALL BE SOLOD OR SEEDS WITH A
PERENNIAL GROUND COVER (GRASS) TO PREVENT EROSION.
12. ALL GRATES (INLET) SHALL BE DERESSED 0.1 FEET BELOW
PAVEMENT LEVEL.
13. ALL CATCH BASINS TO BE TYPE I UNLESS OTHERWISE NOTED.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL
MANHOLE, INLET, AND CATCH BASIN FRAMES AND GRATES JUST PRIOR
TO POURING OF CURBS AND PAVING.
15. ALL CATCH BASINS WITH A DEPTH OVER 5.0 FEET TO THE FLOWLINE
SHALL BE TYPE II CB'S (MANHOLE).
16. ALL TYPE II CATCH BASINS SHALL HAVE LOCKING LIDS.
17. STANDARD LADDER STEPS SHALL BE PROVIDED IN ALL CATCH
BASINS/MANHOLES EXCEEDING 4 FEET IN DEPTH.
18. CATCH BASIN FRAME AND GRATES SHALL BE OLYMPEIC FOUNDRY MODEL
5435, 5435A OR 5050A, LOCKING TYPE OR EQUAL. MODEL 5435A
IS REFERRED TO AS A "TUBULOUS INLET" OF THE PLAN. MODEL
5050A IS REFERRED TO AS A "ROLLED GRATE INLET" ON THE PLAN.
19. BACKFILL TRENCH OF CULVERT PIPES IN LIFTS OF 6" - 8" AND
CONTACT TO 95% RELATIVE COMPACTION UNDER ROADWAYS AND 90%
RELATIVE COMPACTION OFF ROADWAYS.
20. ALL ROOF TOP DRAINS SHALL BE DIRECTED INTO THE STORM
DRAINAGE SYSTEM VIA THE NEAREST CATCH BASIN UNLESS OTHERWISE
INDICATED.
21. THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS IN THE FIELD
DURING CONSTRUCTION IF NECESSARY IN ORDER TO PRODUCE A
FINISHED PROJECT CONSISTENT WITH THE PLAN. THE CONTRACTORS
SHALL KEEP 4 COPIES OF THE PLANS AVAILABLE ON WHICH TO
RECORD AS-BUILT DATA. AT JOB COMPLETION ONE SET SHALL BE
PROVIDED TO THE ENGINEER SO A PERMANENT AS-BUILT RECORD MAY
BE DEVELOPED.

INDEX

SHT. NO.	DESCRIPTION
1	~ PLAT, ROAD & STORM PLAN
2	~ PLAT, ROAD & STORM PROFILES
3	~ PLAN & PROFILE (25TH AVE. SE)
4	~ DETAILS
5	~ TEMP. EROSION - SEDIMENTATION CONTROL PLAN



APPROVED FOR *Randolph R. Shigler* G.E. WEED, DIRECTOR DATE: 4/23/87
CONSTRUCTION SNO. CO. DEPT. OF PUBLIC WORKS

MAILBOX LOCATIONS
APPROVED BY: MICHAEL MAHER DATE: FEB. 27, 1987
SUPERINTENDENT POSTAL OPERATIONS, BOTHELL

NOTE:
SEE SHEETS 2 & 3 FOR
RD. & STORM AS-CONSTRUCTED
DATA.

"AS - BUILT"

ROAD & STORM PLAN

FOR:

MILL CREEK SOUTH

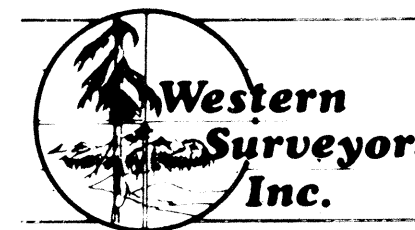
DEVELOPER:

KEN LONG & DICK SCHMIDT

13322 HWY. 99 SOUTH

EVERETT, WA 98204

PHONE (206) 745-1594



LAND USE CONSULTANTS
CIVIL ENGINEERS & LAND SURVEYORS
13322 Highway 99 South • Everett, WA 98204 • (206) 745-1594

OWN BY DATE	PROJECT MANAGER	SCALE
RAM 8-26-86	EV BONE	
CHKD BY DATE	SHEET	JOB NO
EV B	1 OF 5	84-005

LEGEND

CONC. MON. W/BRASS
CAP IN CASE TO BE SET

T.B.M. 'A'
SET RR SPIKE IN
N. FACE OF P. POLE #31
E.L. = 405.83
DATUM: LOCAL SEWER

UNDEVELOPED
CITY OF MILL CREE

C.B. #5 TYPE II
CONTROL STRUC.
1+79.1 LT. (25TH)
END EXTR. CURB &
BEGIN VERT. CURB

INTERSECT
1+30 25TH AVE =
0+00 163 RD PL.

MILL CREE
SNOHOMISH COUNTY
0+00 25TH AVE

T.B.M. 'B'
N. RIM BAN. SEW. MH.
E.L. = 398.92
DATUM: LOCAL SEWER

CURB DATA ~ TO BACK OF CURB : TOP OF GROUND

- | | | |
|---|--|--|
| <p>A Δ = 90°07'24" R = 35' L = 50.05
PC = 0+48.9 = 400.00 (163 RD)
1/4 Δ = 400.37
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PT = 1+78.9 = 401.47 (25TH AVE.)</p> | <p>D Δ = 268°49'50" R = 40' L = 187.68
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PC = PT = 1+82 = 418.20
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PC = 1+56.81 = 417.80
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PC = 2+35 = 412.13 (163 RD)
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REV. 1 12-11-86 RER
REV. 2 3-6-87 RD

13322 HWY. 99 SOUTH
EVERETT, WA 98204
PHONE (206) 745-1594

MILL CREEK SOUTH FIELD BOOK : 115

84-005

SCALE 1" = 50'

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STEEL

Gage	Pipe	Arch	Band Size
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B. CORRUGATED STEEL PIPE, 16 GAUGE, GALVANIZED W/ASPHALT
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DESIGNATION M 278, 8" DIAMETER MAXIMUM. P.V.C. NOT
ALLOWED IN THE R/W. (RUBBER GASKET)

ALL PIPE SHALL HAVE CLASS "B" BEDDING UNLESS OTHERWISE
SHOWN.

7. DETENTION PIPE SHALL BE 14" GAUGE CORRUGATED STEEL PIPE
55"X73" CMPA WITH 3"X1" CORRUGATIONS AND ASPHALT TREATMENT NO.
1. CORRECTING BANDS SHALL BE MINIMUM 18" WIDE, WITH RUBBER
GASKETS. COMPACTION TESTS WILL BE REQUIRED AROUND THE PIPE.
NATIVE MATERIAL WILL NOT BE ALLOWED FOR BACKFILL AROUND
PIPE. 100% IMPORTED GRAVEL BASE CLASS 5 WILL ONLY BE
ACCEPTABLE. CONTRACTOR WILL SUPPLY METHOD OF COMPACTION AND
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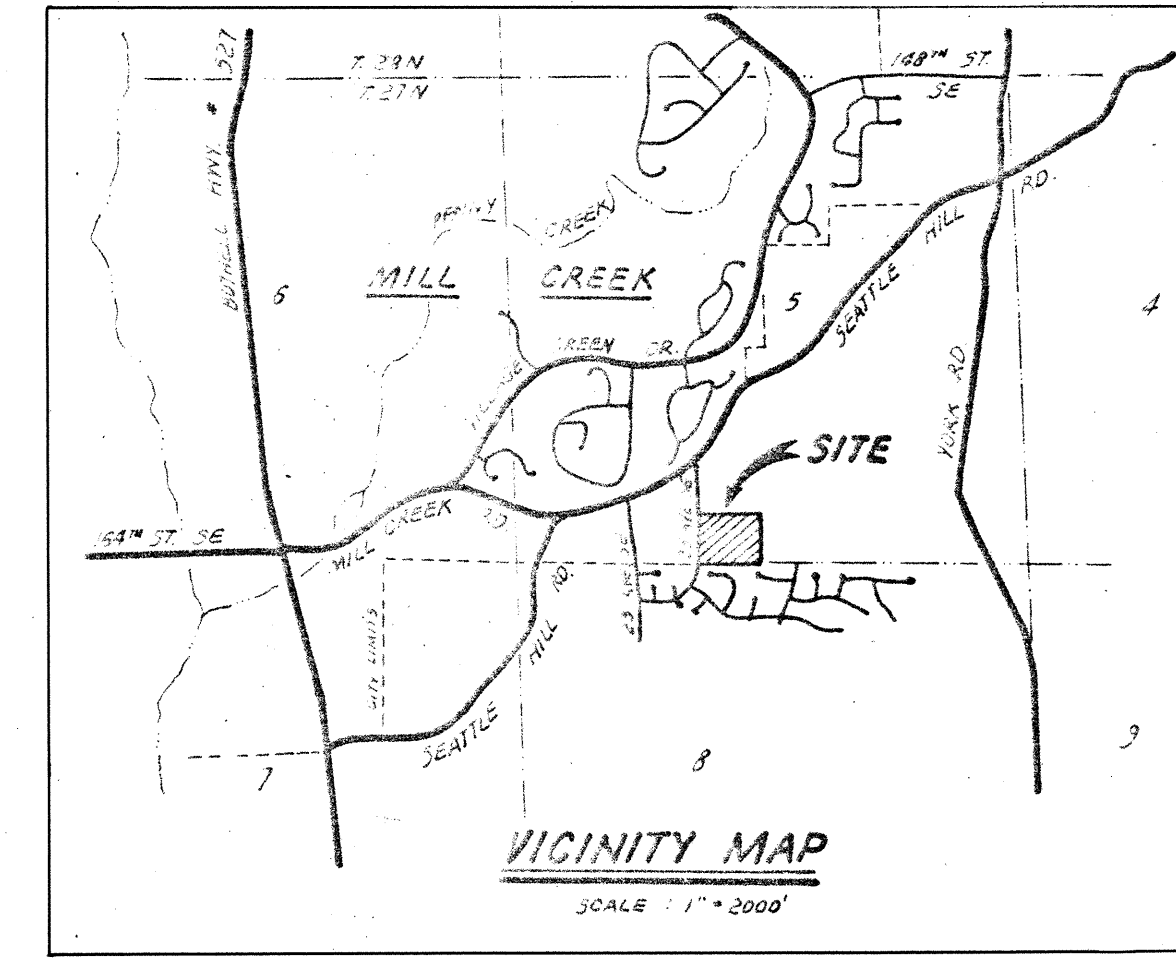
REBAR SHALL BE 1/2" DIA. 60,000 PSI STEEL, 14" ON CENTER

GENERAL NOTES (CONTINUED)

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OTHER SUITABLE MATERIAL. NEVER INSTALL PIPE ON SOD, FROZEN
EARTH OR LARGE Boulders OR ROCK.
10. THE BACKFILL SHALL BE PLACED EQUALLY ON BOTH SIDES OF THE
PIPE OR PIPE-ARCH IN LAYERS WITH A LARGE AVERAGE DEPTH OF
6", MAXIMUM DEPTH 8", THOROUGHLY TAMPING EACH LAYER. IN ALL
CONCRETE LAYERS MUST EXTEND FOR ONE DIAMETER ON EACH SIDE
OF THE PIPE OR TO THE SIDE OF THE TRUNK. MATERIALS TO
CONSISTENT FILL OVER PIPE SHALL BE THE SAME AS DESCRIBED.
(REFER TO WSDOT STD. SPEC. 7-04.3(1) AND STD. SPEC. 2-
03.3(14)(C), METHOD B & C).
11. ALL DISTURBED SLOPES SHALL BE SODED OR SEEDS WITH A
PERENNIAL GRASS COVER (GOSS) TO PREVENT EROSION.
12. ALL GRATES (INLET) SHALL BE DERESSED 0.1 FEET BELOW
PAVEMENT LEVEL.
13. ALL CATCH BASINS TO BE TYPE I UNLESS OTHERWISE NOTED.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL
MANHOLE, INLET, AND CATCH BASIN FRAMES AND GRATES JUST PRIOR
TO POURING OF CURBS AND PAVING.
15. ALL CATCH BASINS WITH A DEPTH OVER 5.0 FEET TO THE FLOWLINE
SHALL BE TYPE II CB'S (MANHOLE).
16. ALL TYPE II CATCH BASINS SHALL HAVE LOCKING LIDS.
17. STANDARD LADDER STEPS SHALL BE PROVIDED IN ALL CATCH
BASINS/MANHOLES EXCEEDING 4 FEET IN DEPTH.
18. CATCH BASIN FRAME AND GRATES SHALL BE OLYMPEIC FOUNDRY MODEL
5435, 5435A OR 5050A, LOCKING TYPE OR EQUAL. MODEL 5435A
IS REFERRED TO AS A "TUBULAR INLET" OF THE PLAN. MODEL
5050A IS REFERRED TO AS A "ROLLED GRATE INLET" ON THE PLAN.
19. BACKFILL TRENCH OF CULVERT PIPES IN LIFTS OF 6" - 8" AND
CONTACT TO 95% RELATIVE COMPACTION UNDER ROADWAY AND 90%
RELATIVE COMPACTION OFF ROADWAYS.
20. ALL ROOF TOP DRAINS SHALL BE DIRECTED INTO THE STORM
DRAINAGE SYSTEM VIA THE NEAREST CATCH BASIN UNLESS OTHERWISE
INDICATED.
21. THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS IN THE FIELD
DURING CONSTRUCTION IF NECESSARY IN ORDER TO PRODUCE A
FINISHED PROJECT CONSISTENT WITH THE PLAN. THE CONTRACTORS
SHALL KEEP 4 COPIES OF THE PLANS AVAILABLE ON WHICH TO
RECORD AS-BUILT DATA. AT JOB COMPLETION ONE SET SHALL BE
PROVIDED TO THE ENGINEER SO A PERMANENT AS-BUILT RECORD MAY
BE DEVELOPED.

INDEX

SHT. NO.	DESCRIPTION
1	~ PLAT, ROAD & STORM PLAN
2	~ PLAT, ROAD & STORM PROFILES
3	~ PLAN & PROFILE (25TH AVE. SE)
4	~ DETAILS
5	~ TEMP. EROSION - SEDIMENTATION CONTROL PLAN



APPROVED FOR *Randolph R. Shigler* G.E. WEED, DIRECTOR DATE: 4/23/87
CONSTRUCTION SNO. CO. DEPT. OF PUBLIC WORKS

MAILBOX LOCATIONS
APPROVED BY: *MICHAEL MAHER* DATE: FEB. 27, 1987
SUPERINTENDENT POSTAL OPERATIONS, BOTHELL

NOTE:
SEE SHEETS 2 & 3 FOR
RD. & STORM AS-CONSTRUCTED
DATA.

"AS - BUILT"

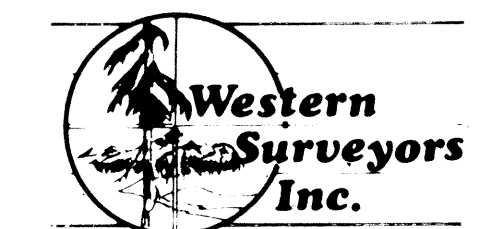
ROAD & STORM PLAN

FOR:

MILL CREEK SOUTH

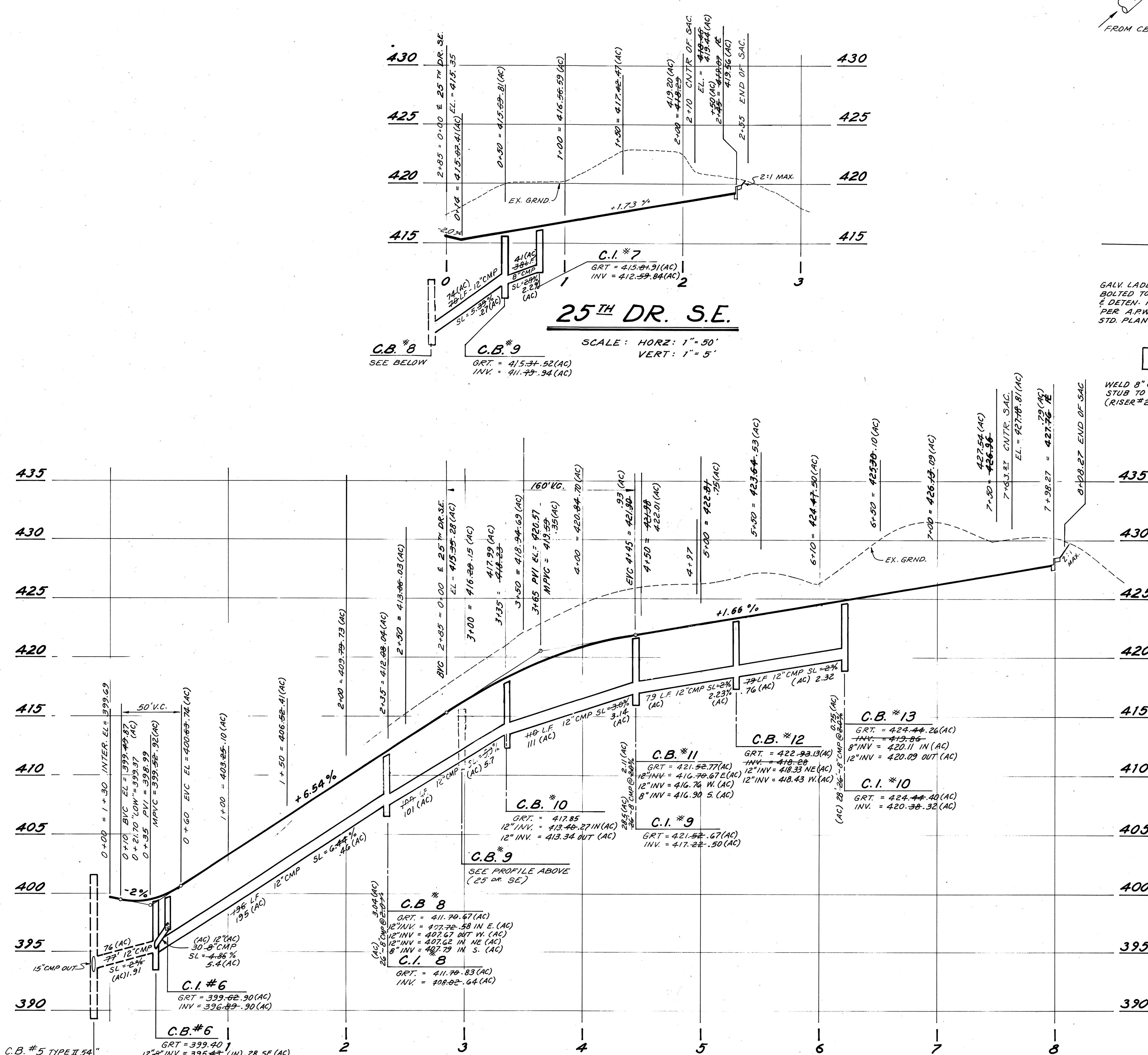
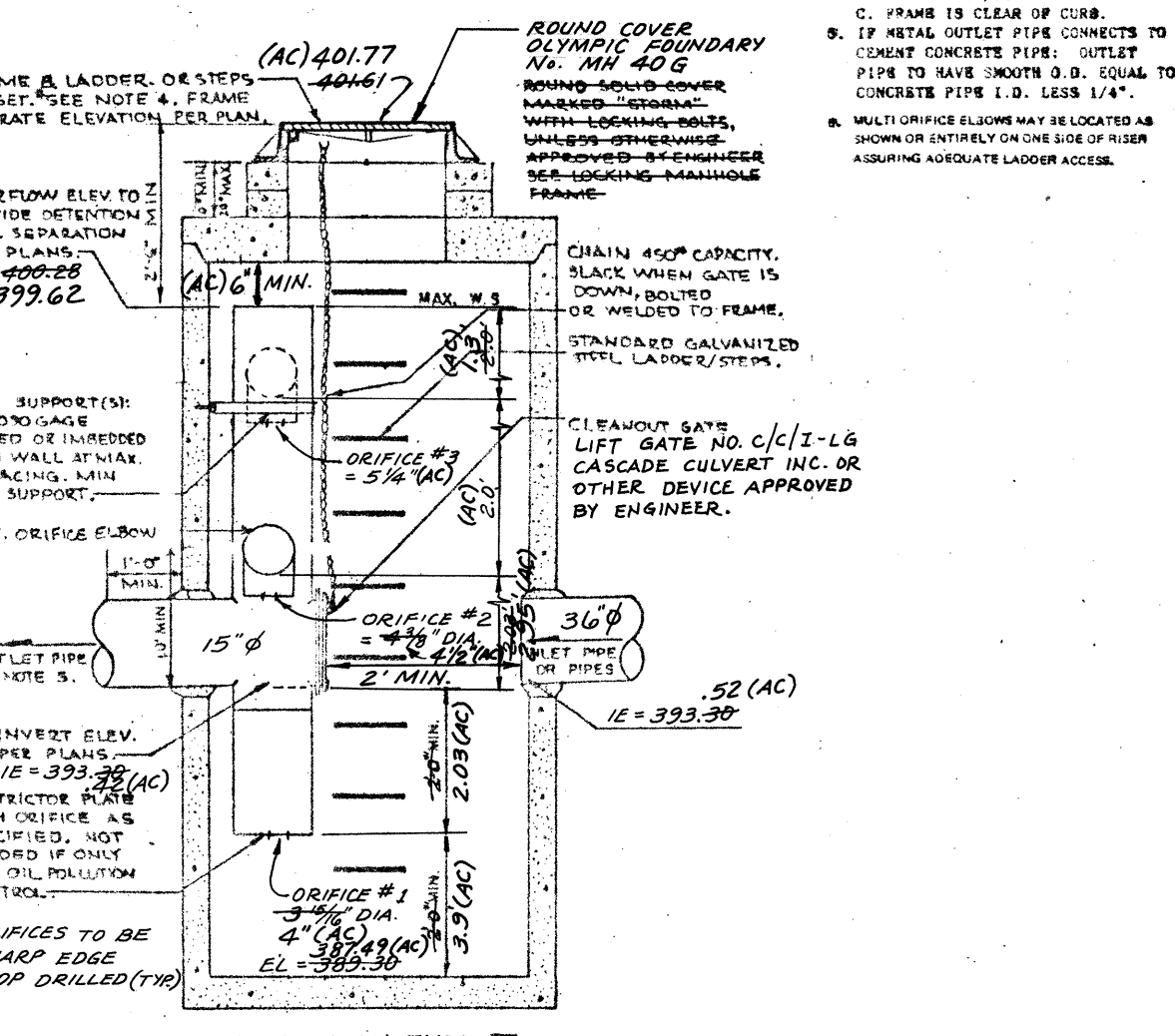
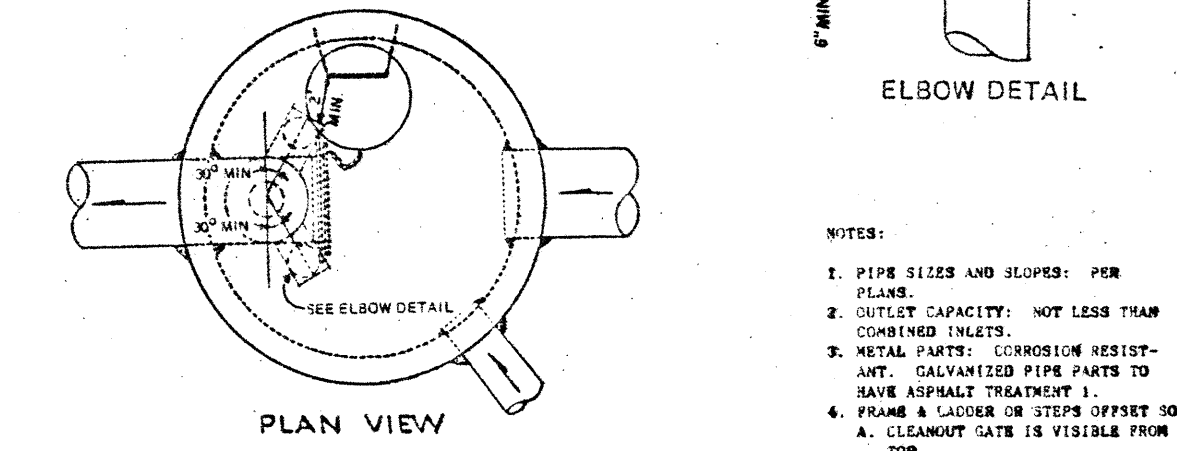
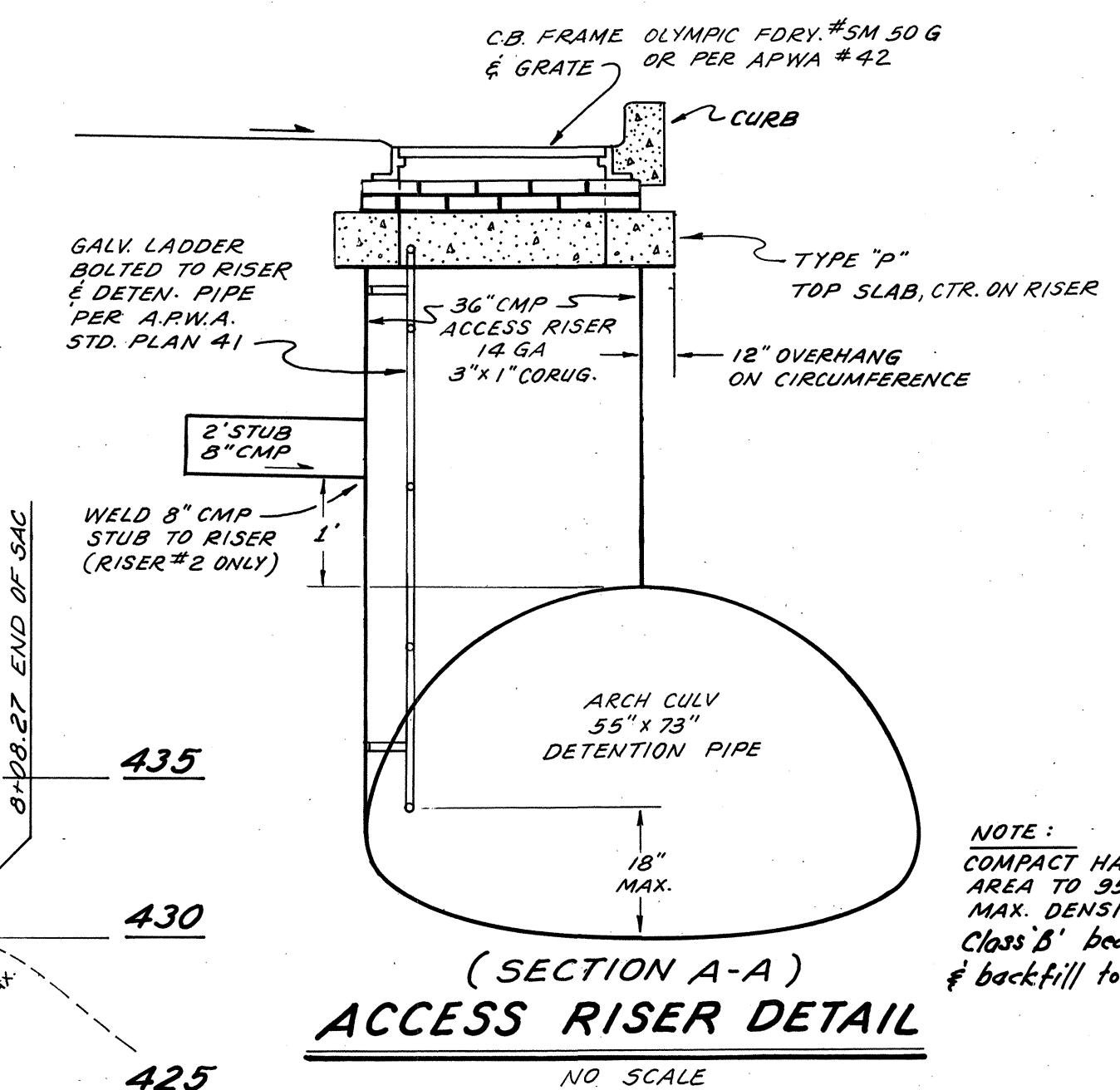
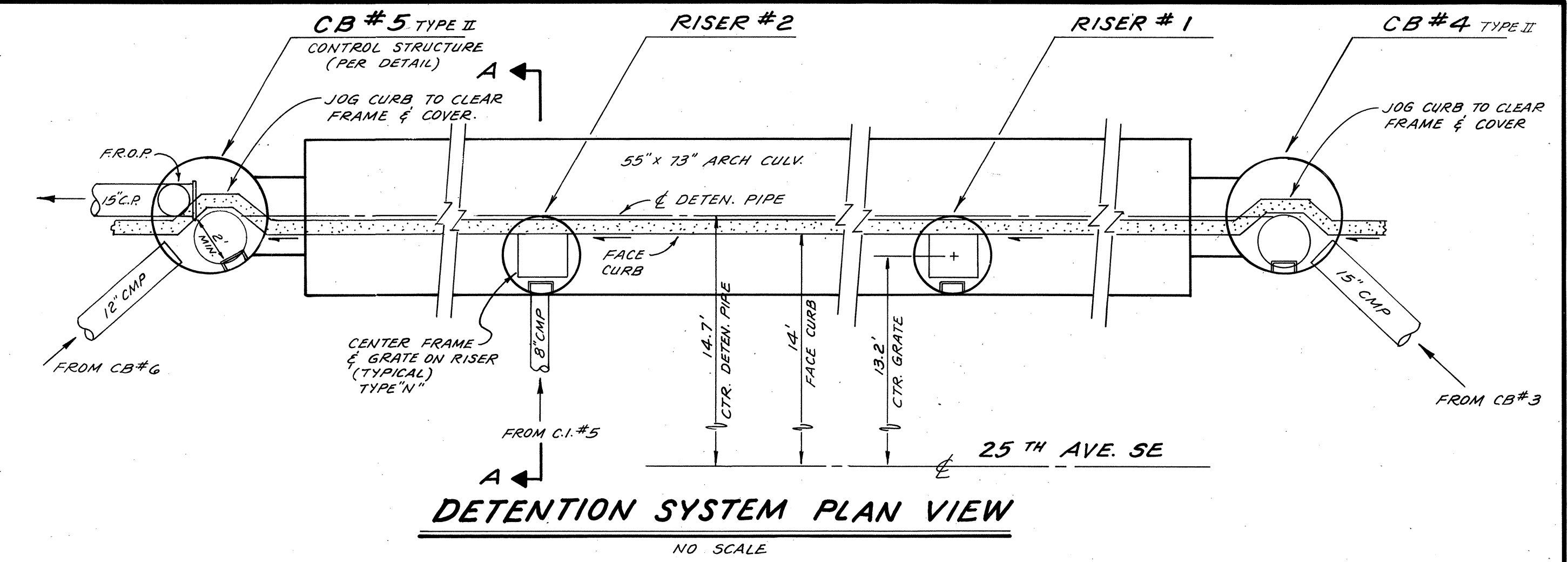
DEVELOPER: *KEN LONG & DICK SCHMIDT*

13322 HWY. 99 SOUTH
EVERETT, WA 98204
PHONE (206) 745-1594



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OWN BY DATE	PROJECT MANAGER	SCALE
RAM 8-26-86	EV BONE	
CHKD BY DATE	SHEET	JOB NO
EVB	1 OF 5	84-005



WE HEREBY CERTIFY THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN ON THESE AS-BUILT PLANS.

Carl Hansen
PROJECT MANAGER
OR SURVEYOR

He 2 Mame
DEVELOPER

NOTE:
(AC) REPRESENTS
AS CONSTRUCTED DATA

APPROVED FOR *Carl Hansen* BY: G.E. WEED, DIRECTOR DATE: 4/23/87
CONSTRUCTION DEPT. OF PUBLIC WORKS

"AS - BUILT"



REV 1 12-11-86 RLS
REV 2 3-6-87 RLS

ROAD & STORM PROFILES

FOR:

MILL CREEK SOUTH

DEVELOPER:

KEN LONG & DICK SCHMIDT

13322 HWY. 99 SOUTH
EVERETT, WA 98204

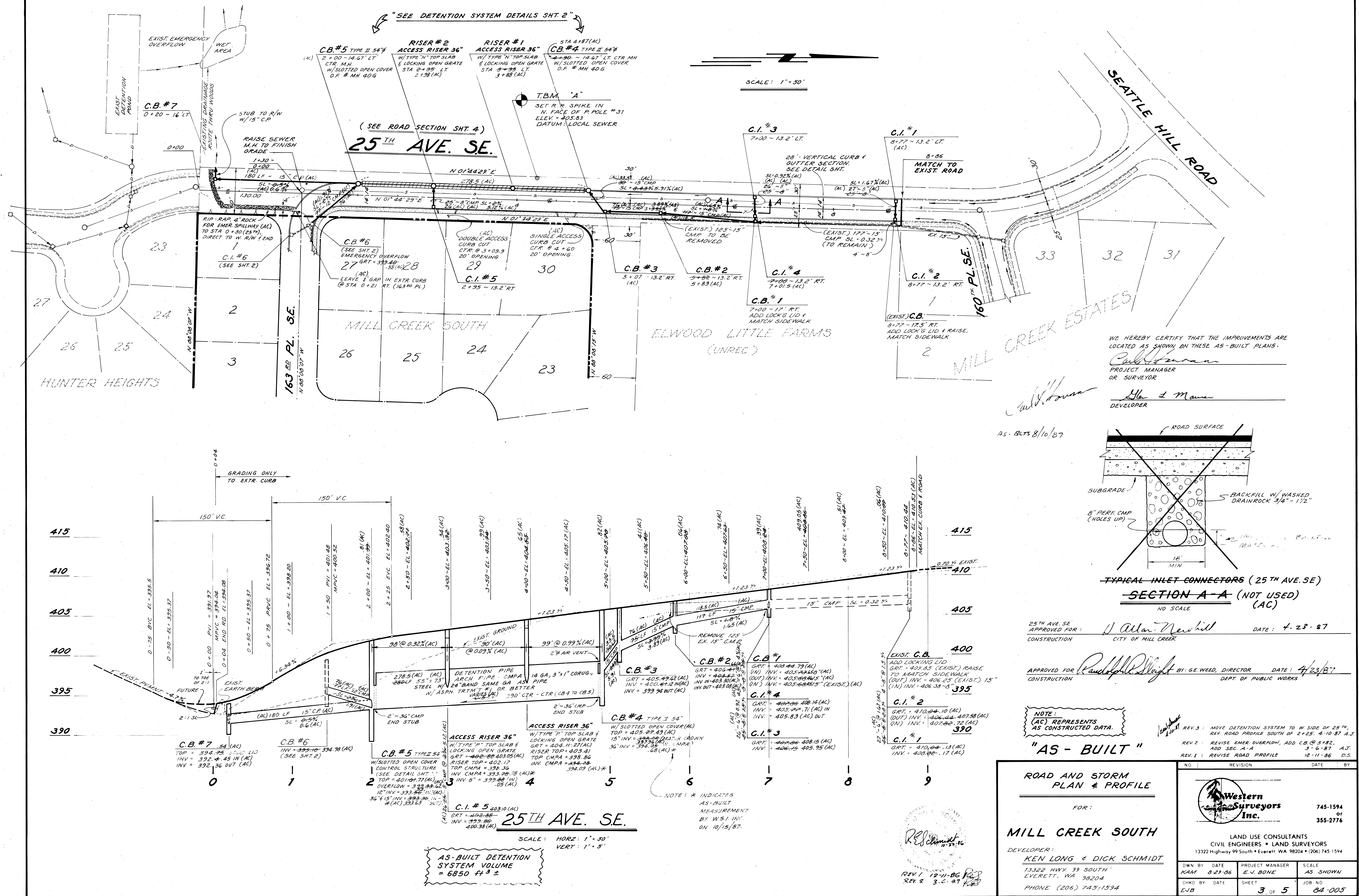
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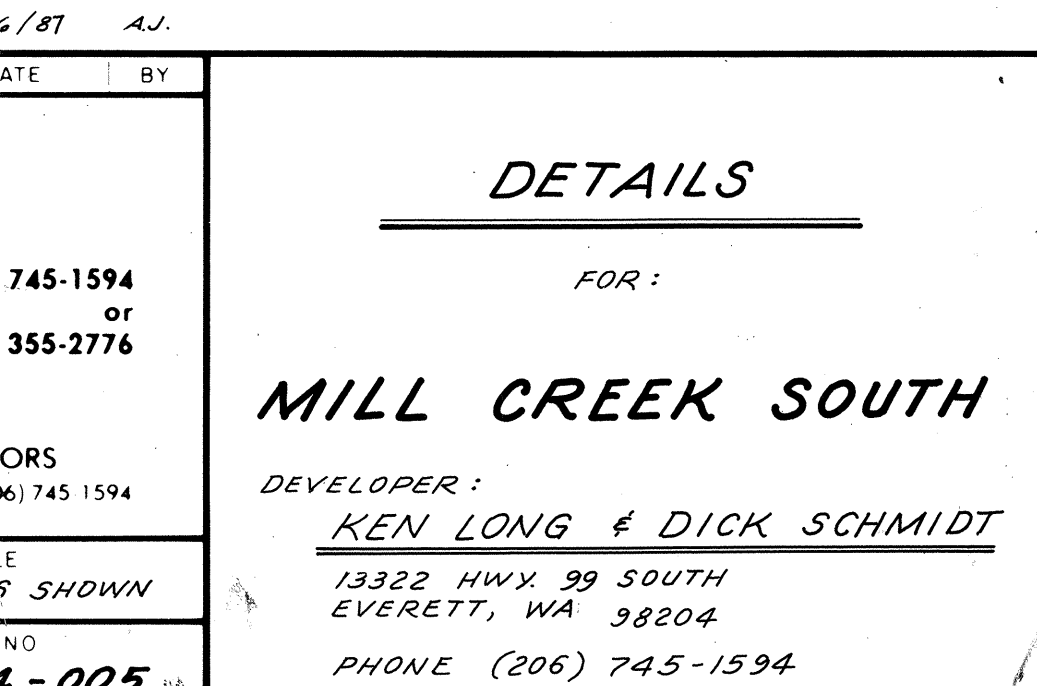
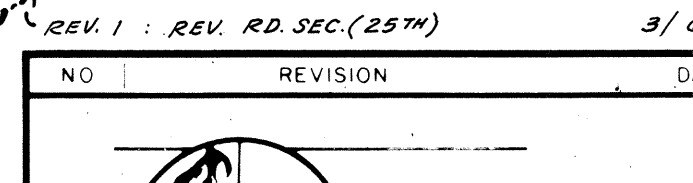
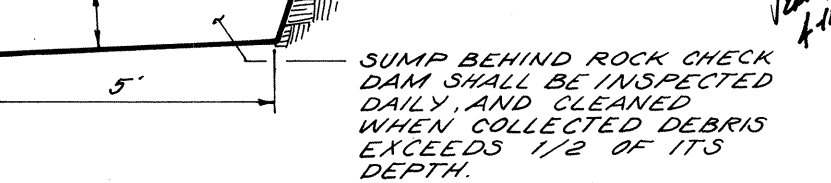
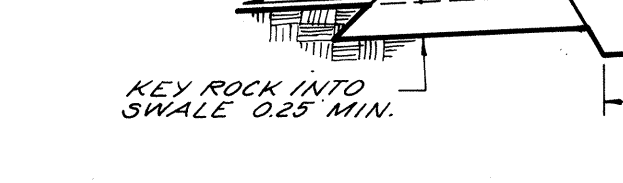
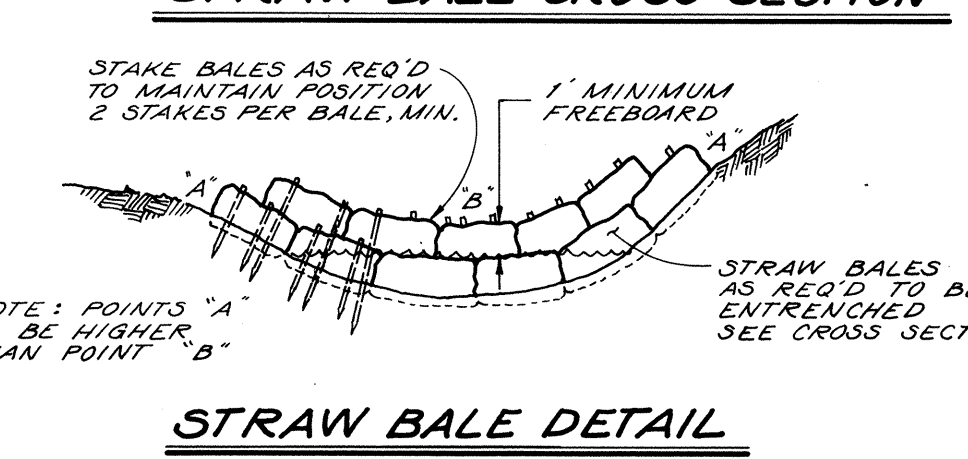
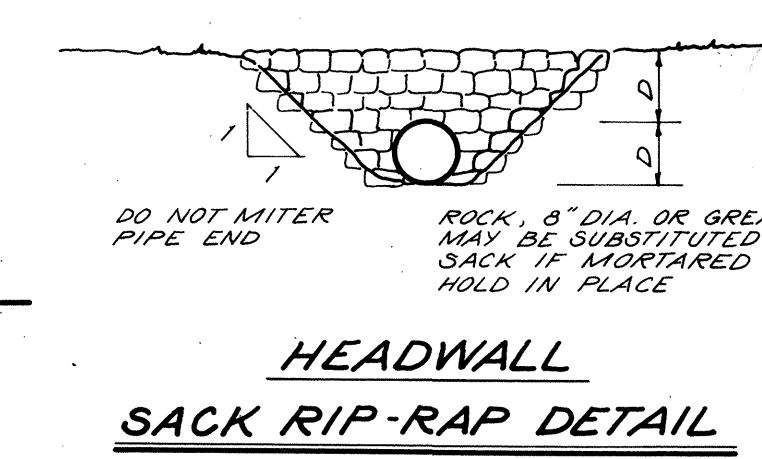
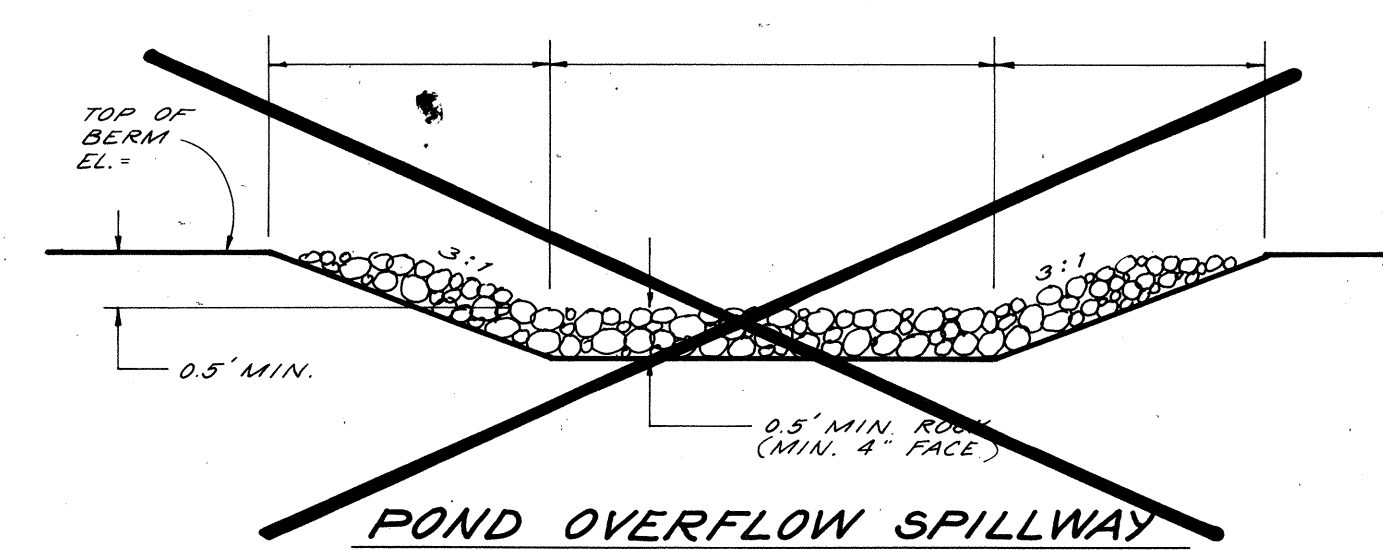
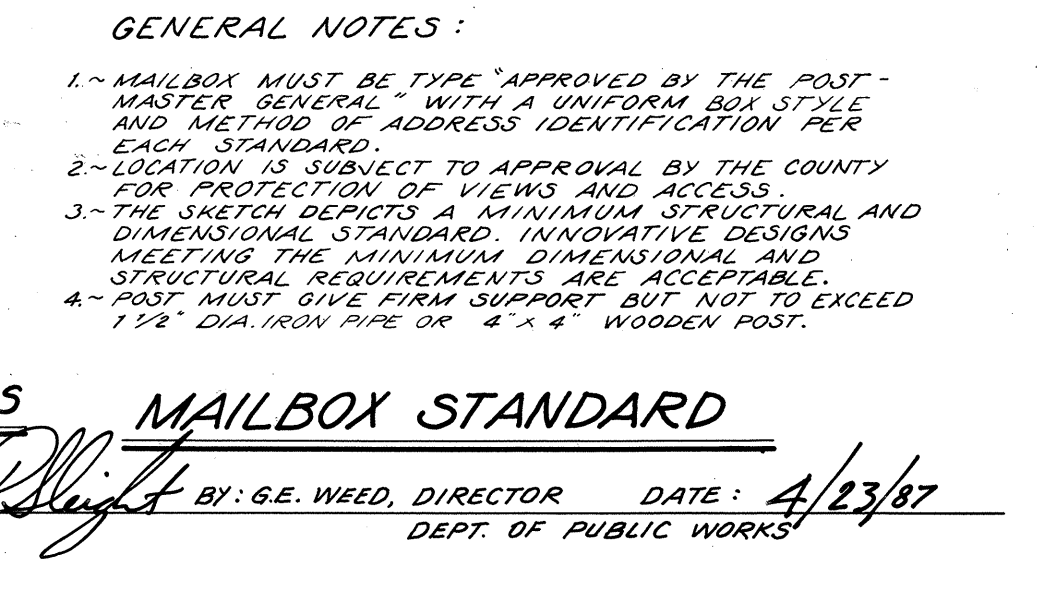
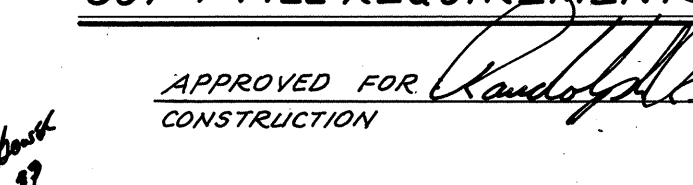
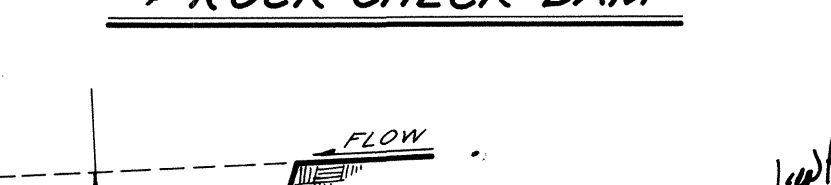
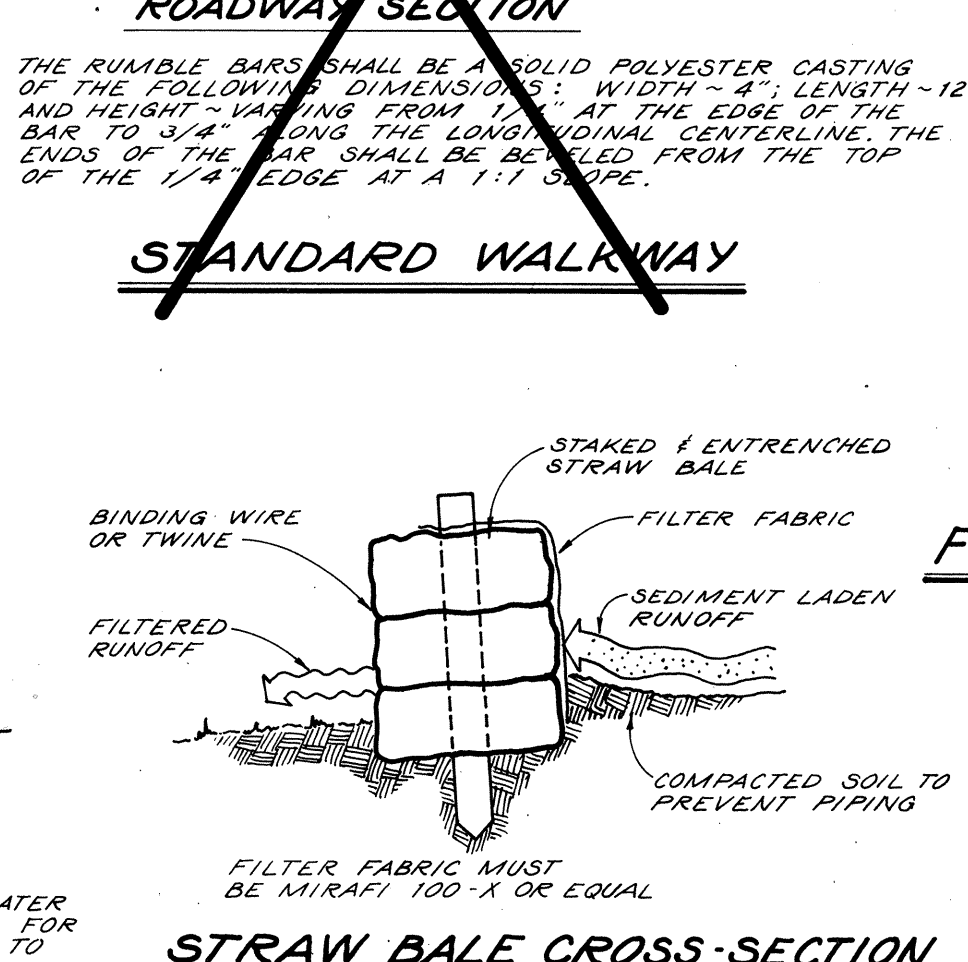
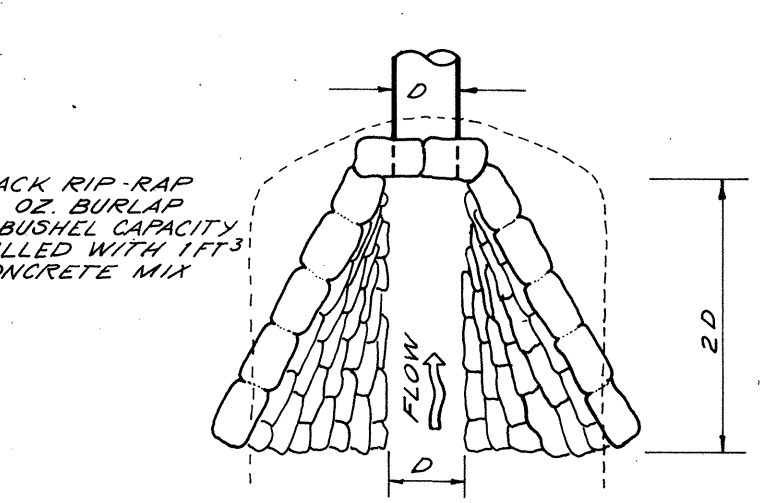
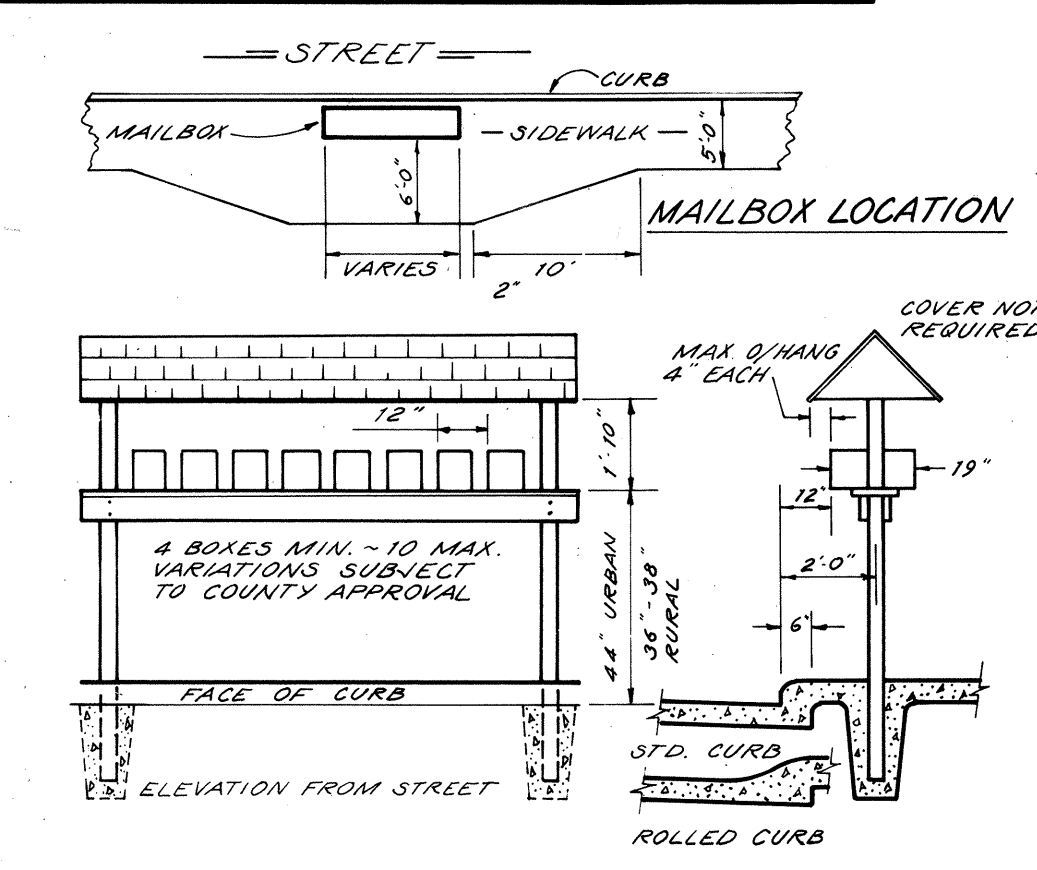
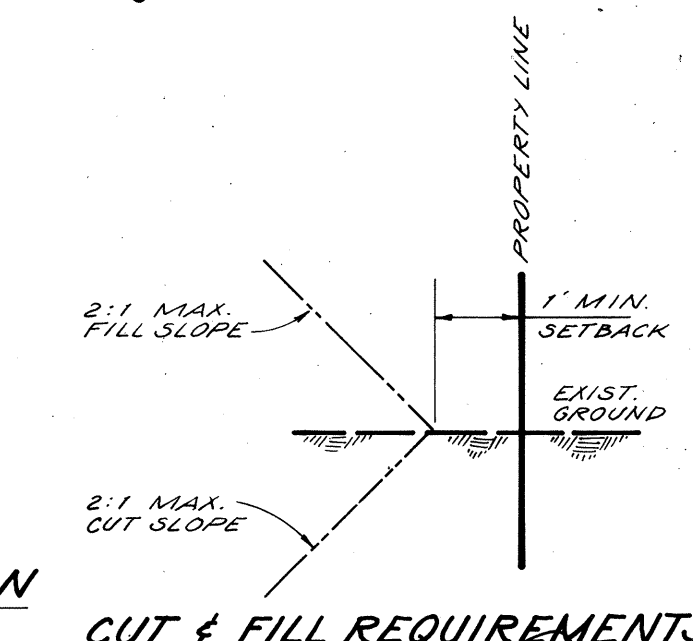
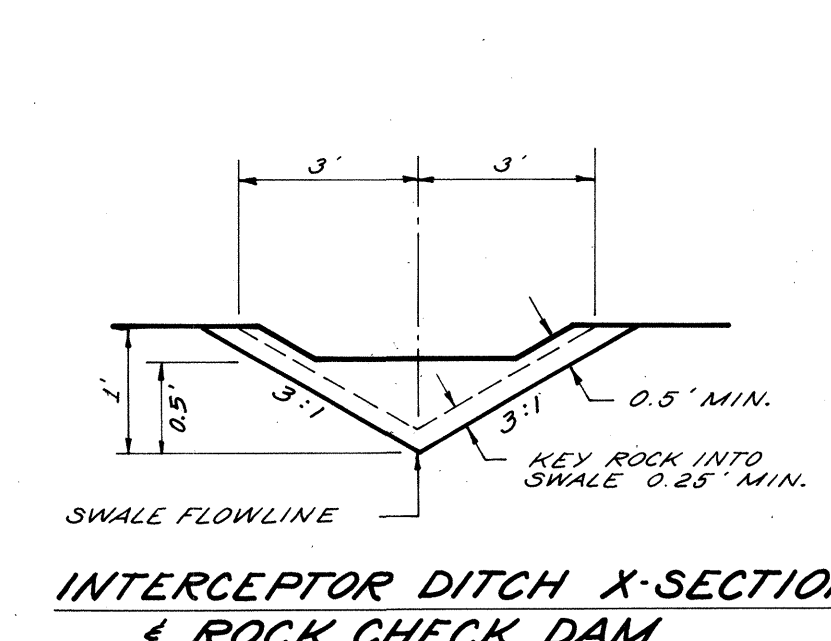
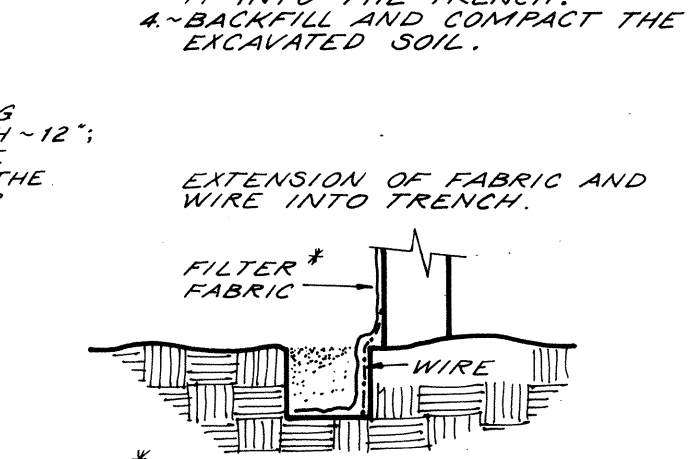
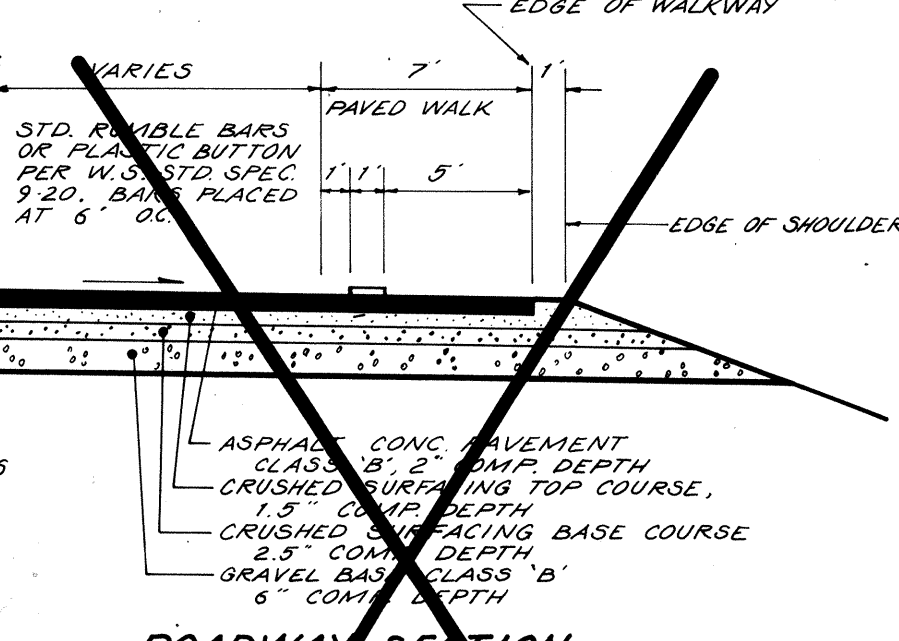
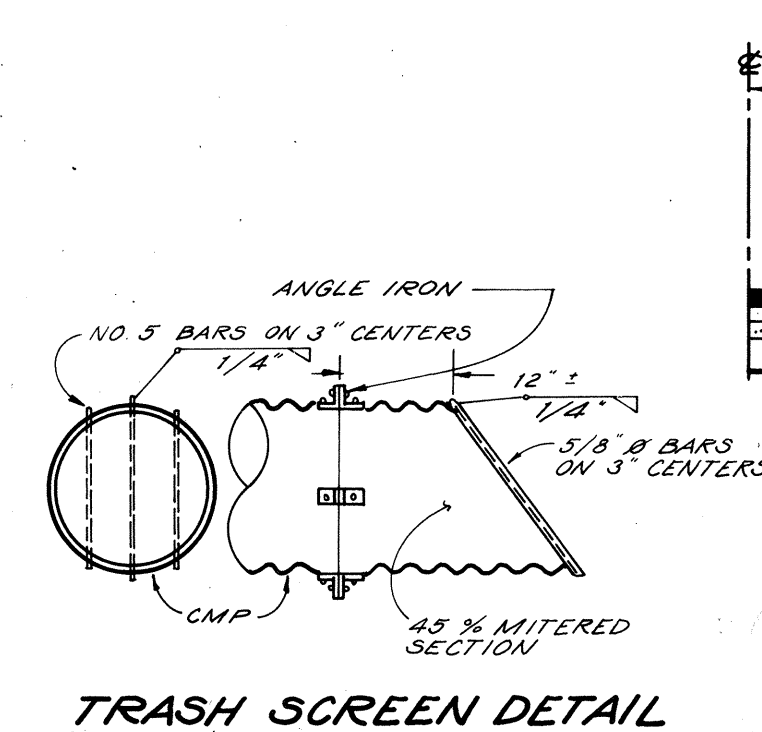
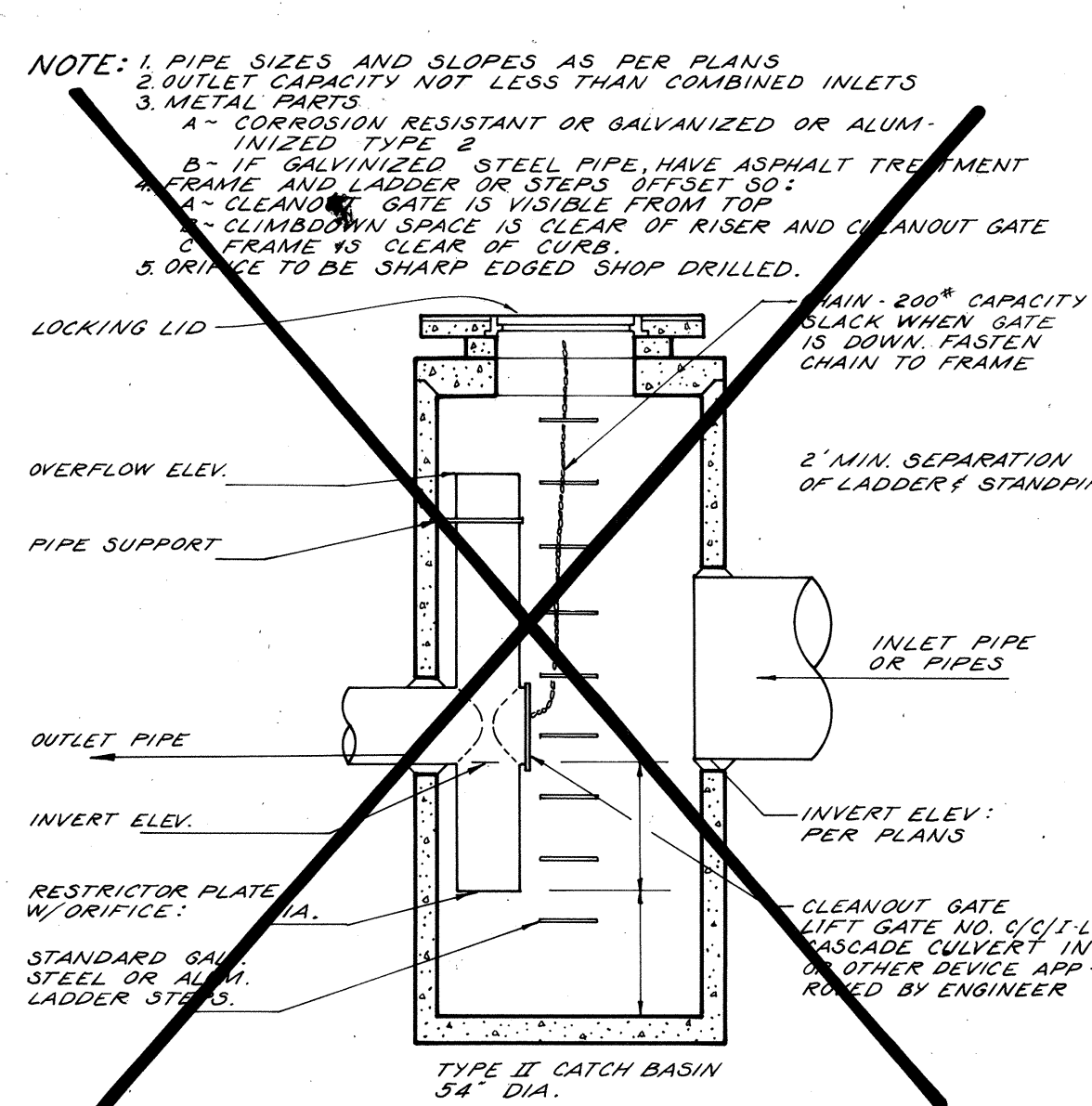
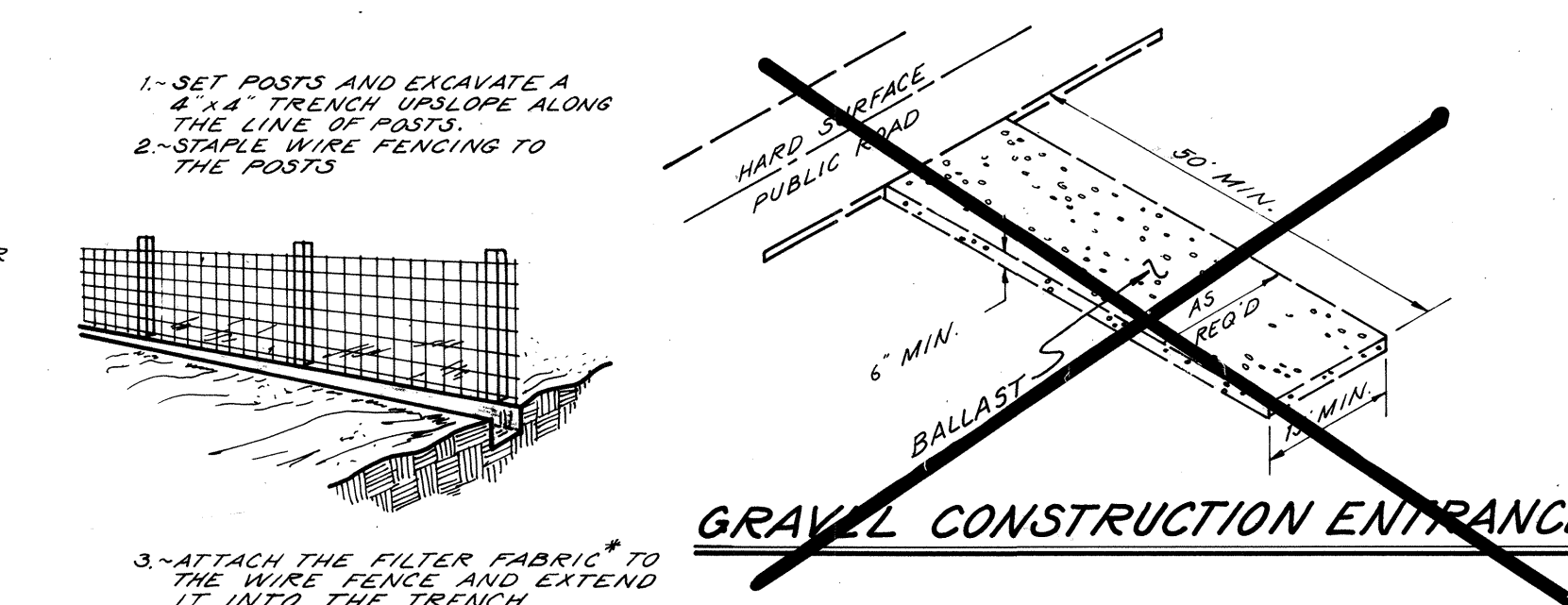
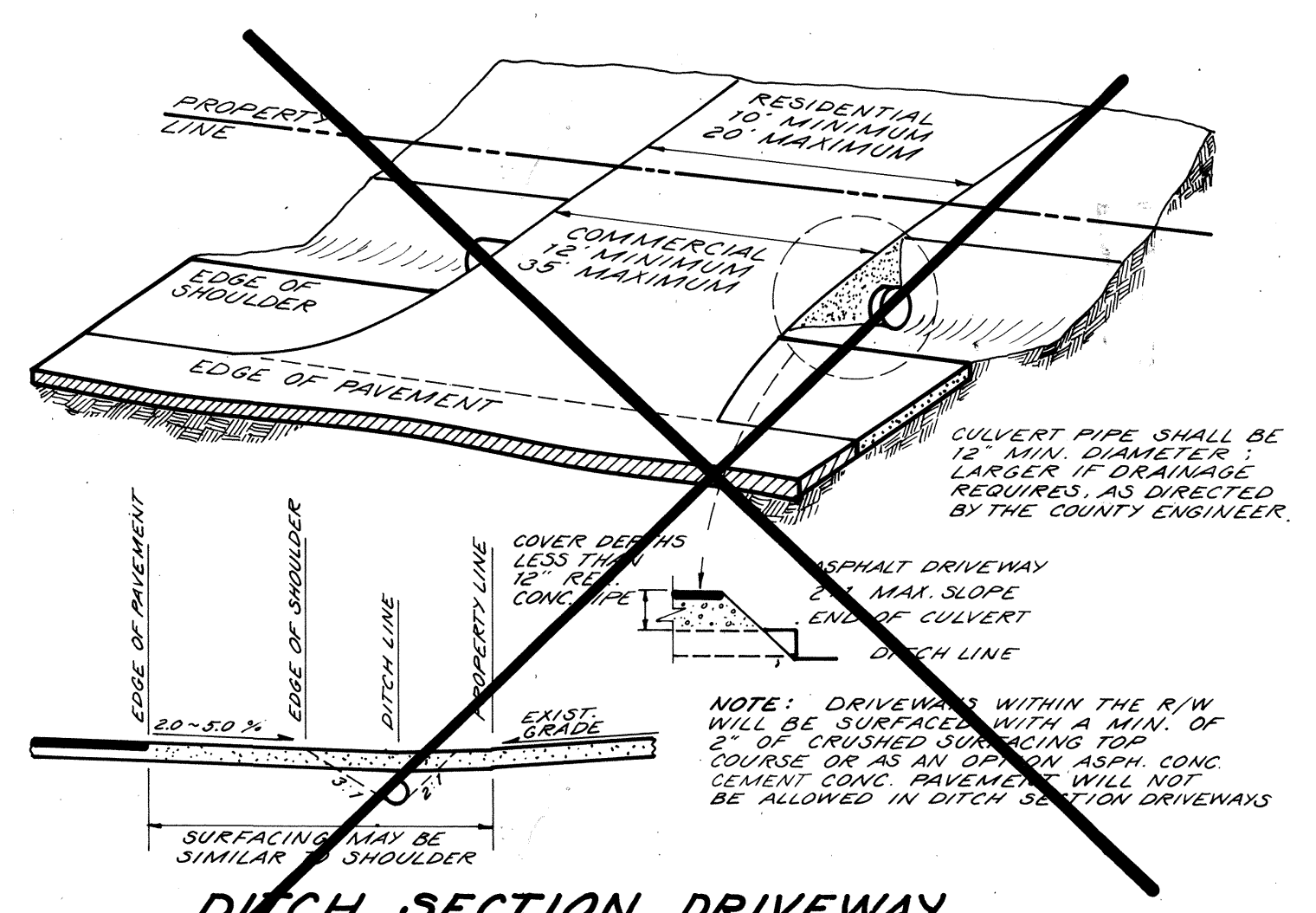
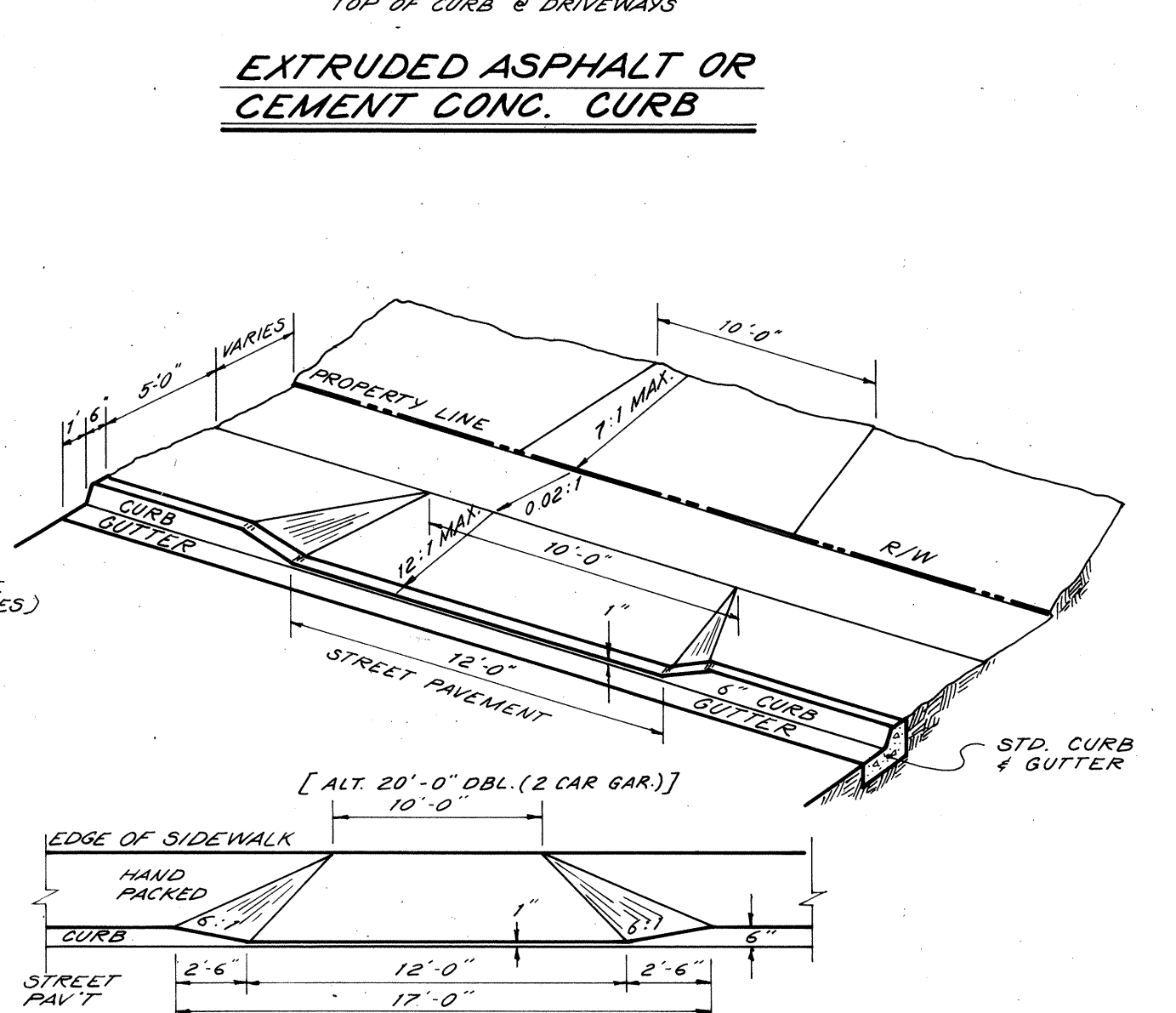
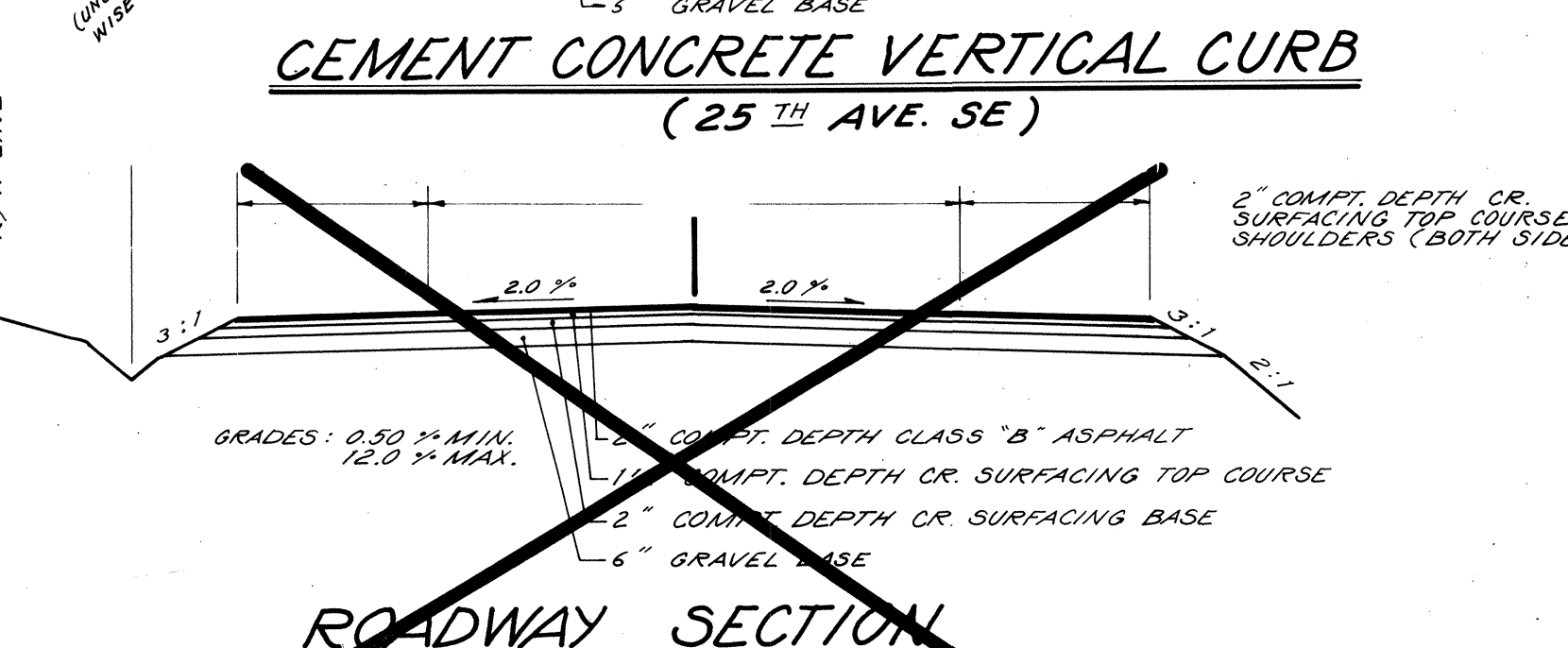
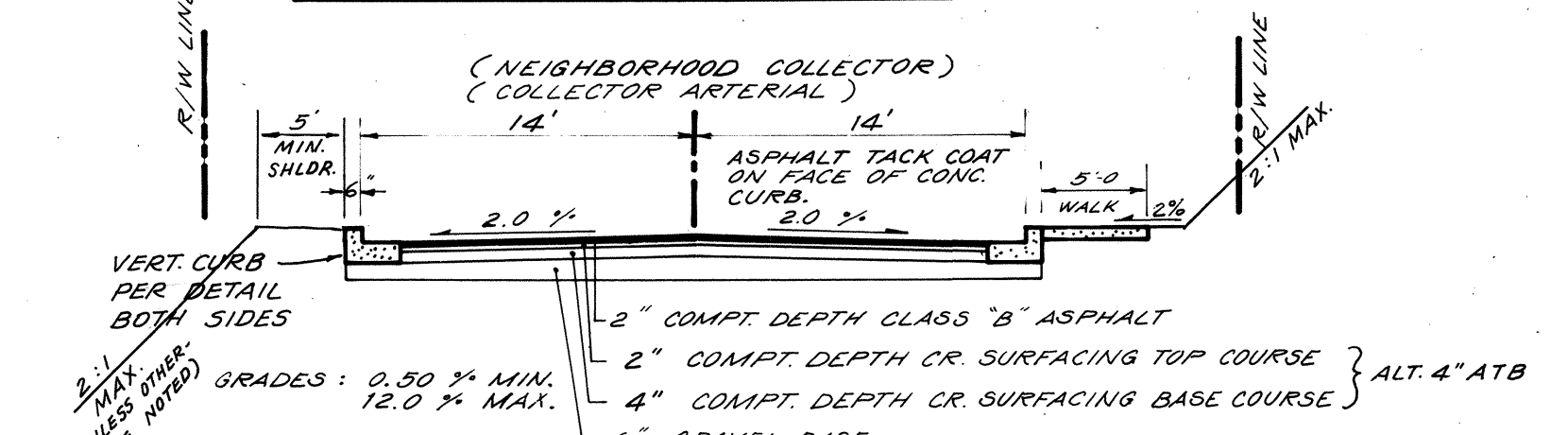
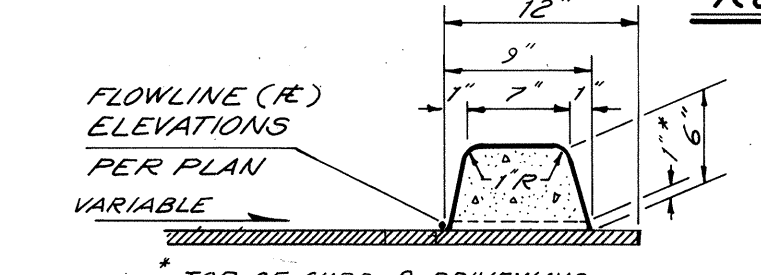
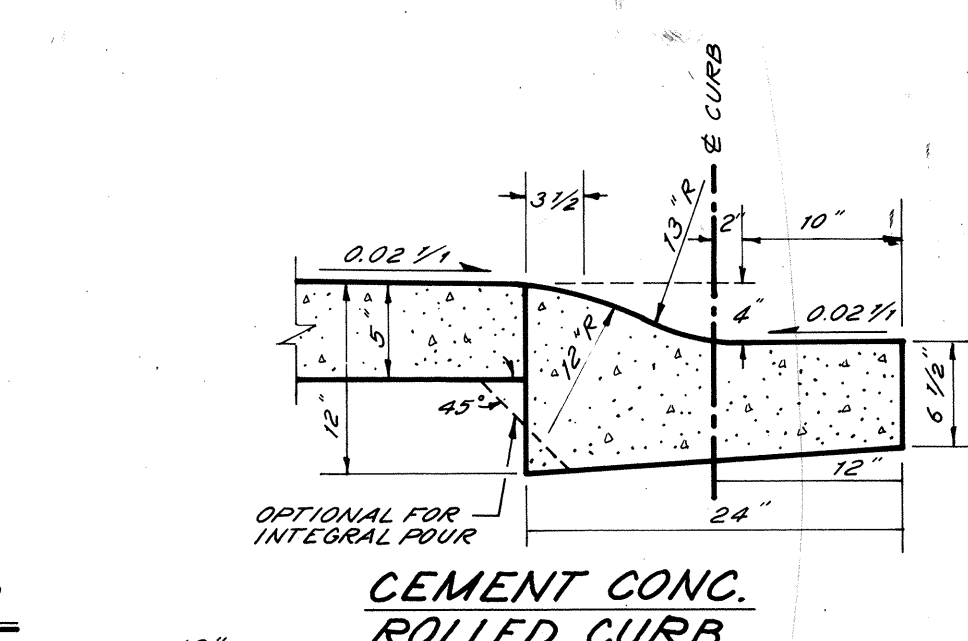
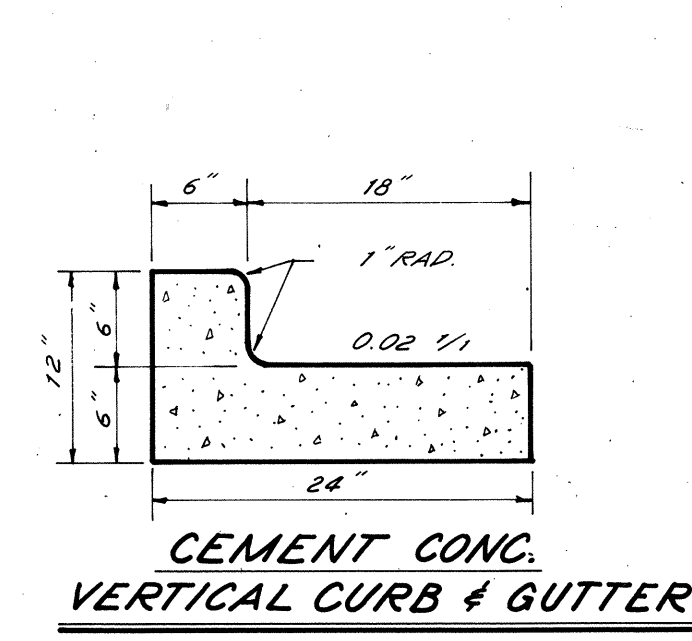
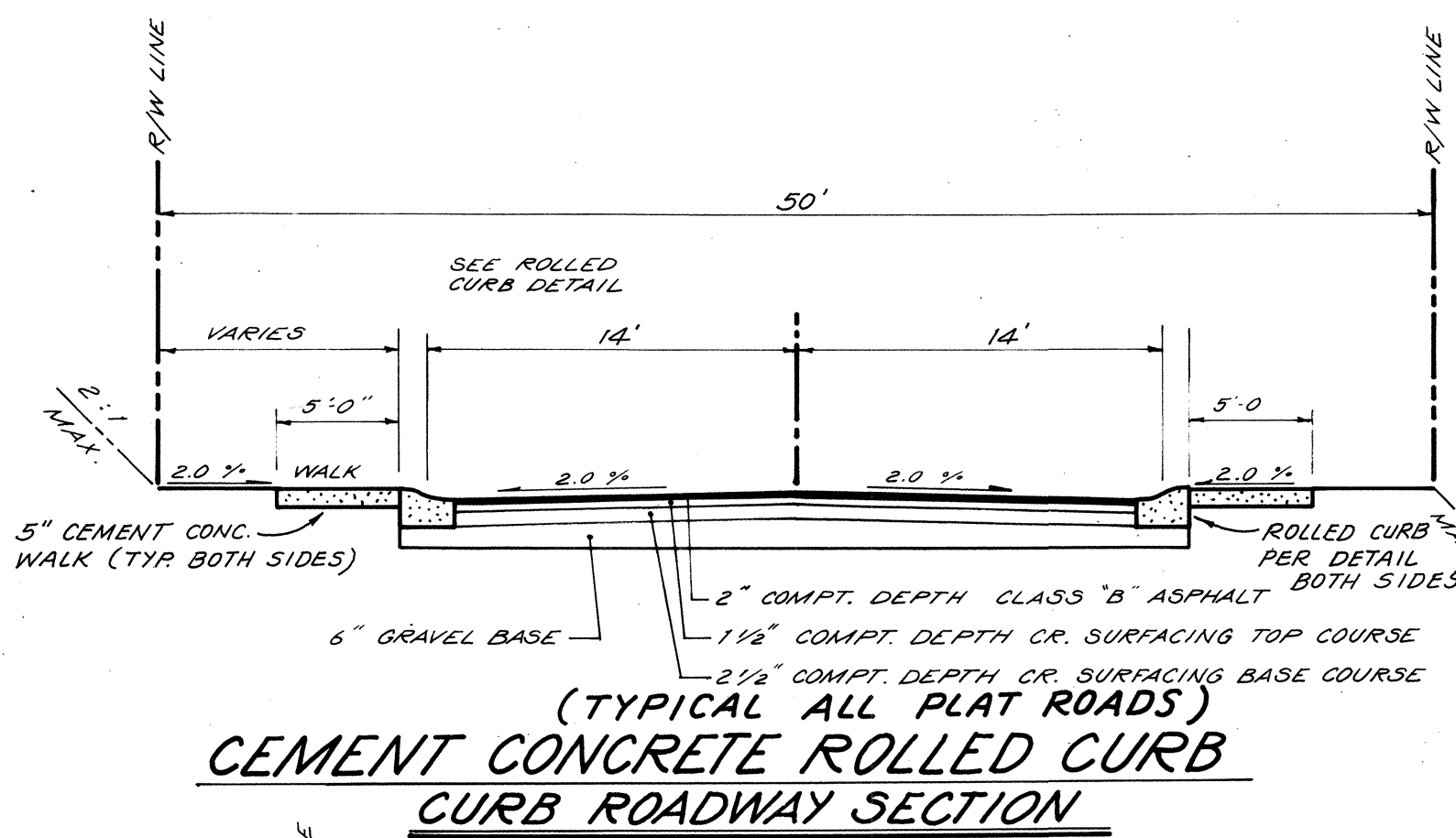
Western Surveyors Inc.

745-1594
355-2776

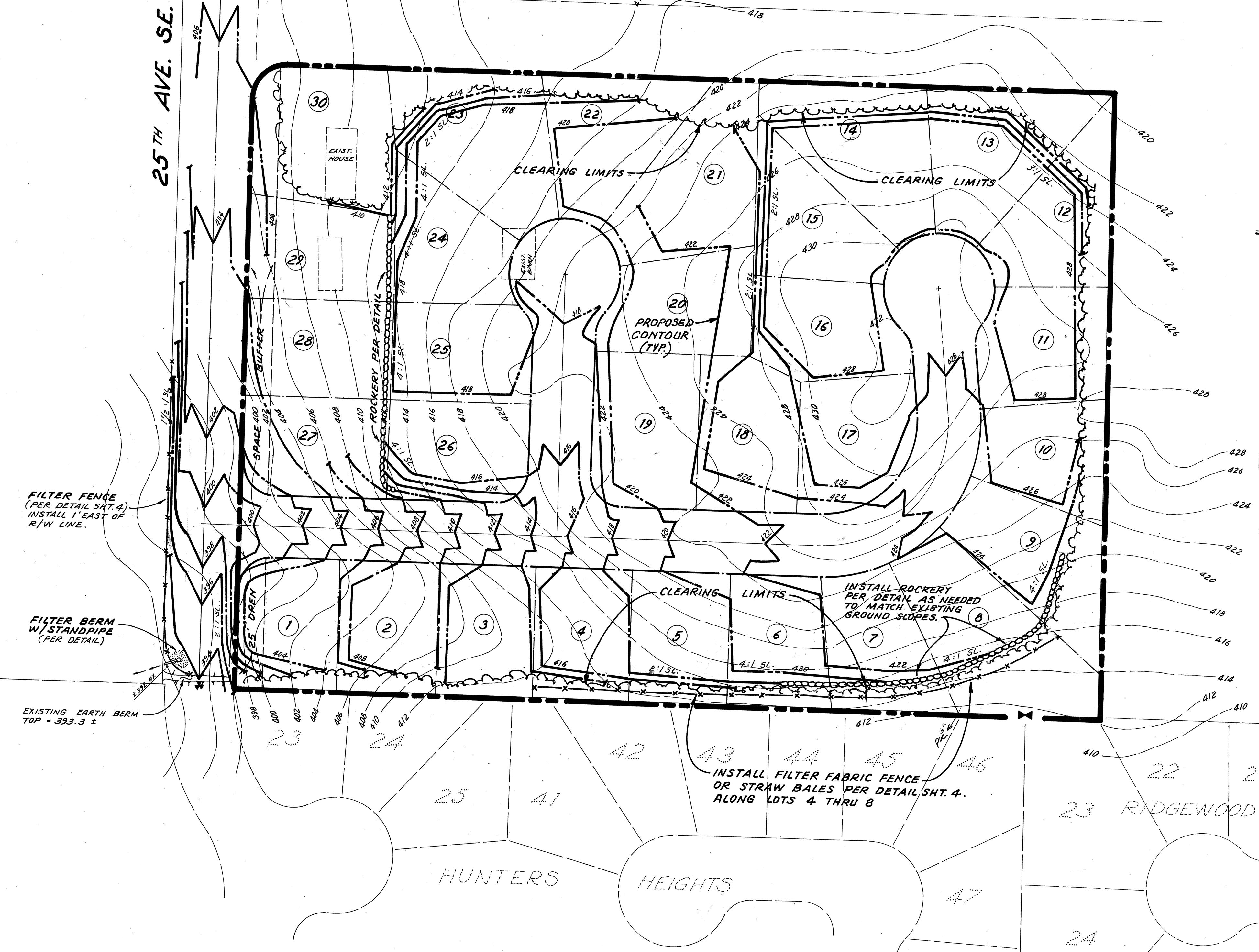
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NO.	REVISION	DATE	BY
DWN BY	DATE	PROJECT MANAGER	SCALE
KAM	8-29-86	E.V. BONE	AS SHOWN
CHKD BY	DATE	SHEET	JOB NO.
EVB		2 OF 5	84-005

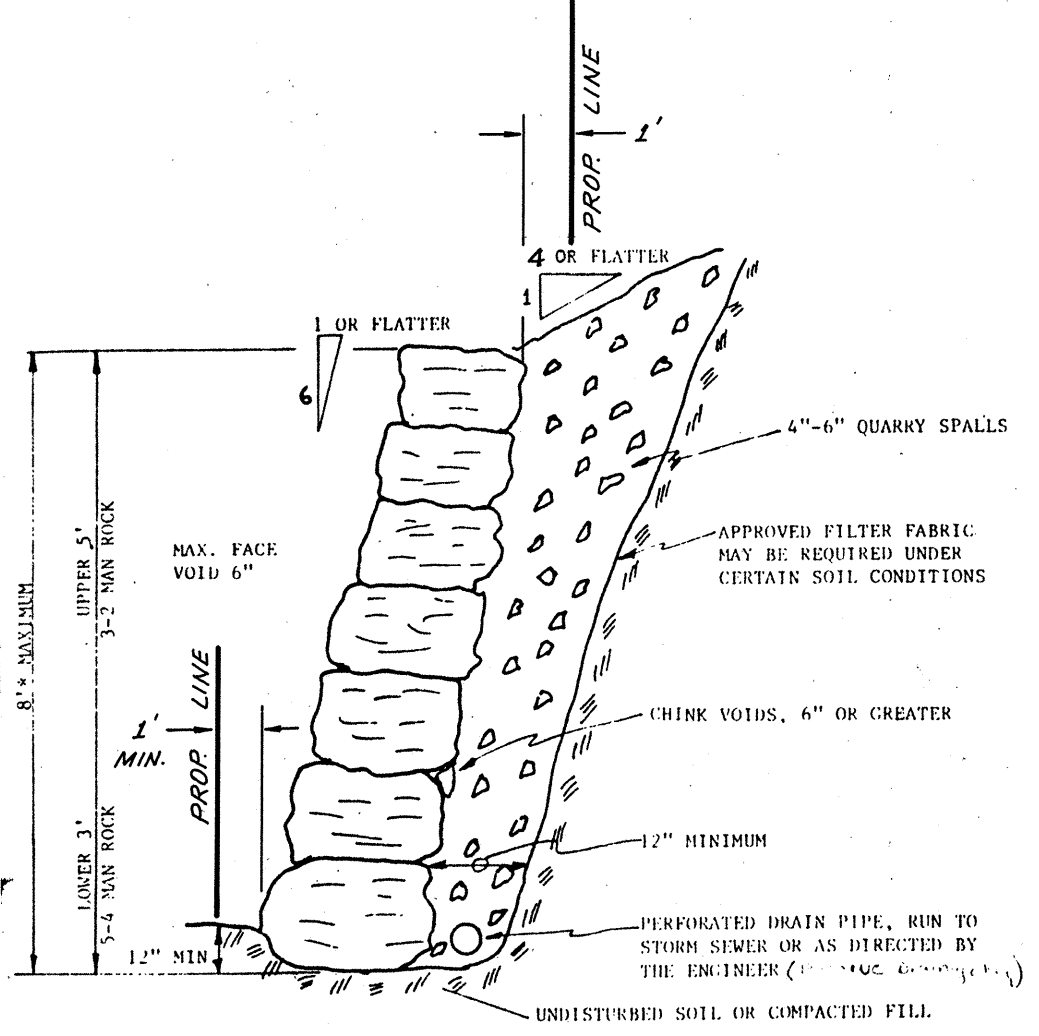




PLAT OF
ELWOOD LITTLE FARMS
UNREC.



SCALE: 1" = 50'



THE LONG DIMENSION OF THE ROCKS SHALL EXTEND INTO THE EARTH TO PROVIDE MAXIMUM STABILITY.
THE ROCK SHALL BE PLACED SO AS TO LOCK INTO TWO ROCKS IN THE TIER.
2 MAX ROCKS 300 LBS. MIN., 800 LBS. MAX., SIZE 1 1/2" TO 18"
3 MAX ROCKS 800 LBS. " 1500 LBS. MAX., SIZE 18" TO 24"
4 MAX ROCKS 1500 LBS. " 2100 LBS. MAX., SIZE 24" TO 32"
5 MAX ROCKS 2100 LBS. " 3000 LBS. MAX., SIZE 30" TO 38"
ANY ROCKERY GREATER THAN 8 FEET IN HEIGHT MUST BE DESIGNED AND INSPECTED BY A LICENSED STRUCTURAL ENGINEER. THE ENGINEER MUST CERTIFY TO THE CITY THAT THE ROCKERY WAS INSTALLED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
ROCKERIES 7 FEET AND LOWER SHALL BE CONSTRUCTED OF 4 MAN TO 2 MAN ROCKS FROM BOTTOM TO TOP.
ROCKERIES 7 FEET AND HIGHER SHALL BE CONSTRUCTED OF 5 MAN TO 2 MAN ROCKS FROM BOTTOM TO TOP.

ROCKERY DETAIL
NO SCALE

- TEMPORARY EROSION/SEDIMENTATION CONTROL NOTES**
1. WHERE POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
 2. TEMPORARY SILTATION AND DETENTION PONDS WILL BE REQUIRED. ONE METHOD OF CONSTRUCTION ACCEPTABLE TO THE COUNTY IS BY PLACING STRAW BALES ACROSS SWALES HELD BY TWO STAKES PER BALE. RIP-RAP SHALL BE USED ON BOTH SIDES OF BALES FOR EROSION CONTROL AS REQUIRED.
 3. ALL TEMPORARY SILTATION AND DETENTION PONDS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND OR CONSTRUCTION IS COMPLETED AND THE PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL.
 4. AFTER CONSTRUCTION, TEMPORARY SILTATION CONTROL AREAS SHOULD BE EITHER RETURNED TO ORIGINAL GROUND CONDITIONS OR PHASED INTO PERMANENT APPROVED DRAINAGE PLAN.
 5. THE SILTATION CONTROL SYSTEMS DEPICTED ON THIS DRAWING ARE SUCH AS TO MEET MINIMUM COUNTY REQUIREMENTS. AS CONSTRUCTION PROGRESSES AND EXPECTED SEASONAL CONDITIONS DICTATE, MORE SILTATION CONTROL FACILITIES MAY BE REQUIRED TO INSURE COMPLETE SILTATION CONTROL OF THIS PROPERTY. THEREFORE, DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE MINIMUM REQUIREMENTS, AS MAY BE NEEDED.
 6. STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDRO-SEED PREFERRED.
 7. AREAS TO BE ROUGH GRADED WITH FINISH GRADING TO FOLLOW NEAR PROJECT COMPLETION ARE TO BE SEED WITH ANNUAL, PERENNIAL OR HYBRID RYE GRASS. THIS ALSO INCLUDES PERIMETER DIKES AND THE SEDIMENT BASIN EMBANKMENT. HYDRO-SEED PREFERRED.
 8. IMMEDIATELY FOLLOWING FINISH GRADING, PERMANENT VEGETATION (CONSISTING OF RAPID, PERSISTENT AND LEGUME) WILL BE APPLIED. (MINIMUM 80% PER ACRE THIS IS TO INCLUDE:
20% ANNUAL, PERENNIAL OR HYBRID RYEGRASS
40% CREEPING RED FESCUE, AND
40% WHITE CLOVER
HYDRO-SEED PREFERRED.
 9. FERTILIZER: SHALL BE APPLIED AT 400# PER ACRE OF 10-20-20 (10 POUNDS PER 1000 SQUARE FEET) OR EQUIVALENT.
 10. PREPARATION OF SURFACE: ALL AREAS TO BE SEED SHALL BE CULTIVATED TO THE SATISFACTION OF THE ENGINEER. THIS MAY BE ACCOMPLISHED BY DISCING, RAKING, HARROWING OR OTHER ACCEPTABLE MEANS.
 11. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR 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.
 12. ALL FILLS AS DESIGNATED BUILDING SITES TO BE COMPACTED TO 90% OF MAX. DENSITY.

MAINTENANCE OF STRAW BALE
Straw bale barriers shall be inspected immediately after each rainfall and at least weekly during prolonged rainfall.
Close attention shall be paid to the repair of damaged bales, and runs and undercutting beneath bales.
Necessary repairs to barriers or replacement of bales shall be accomplished promptly.
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.
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.

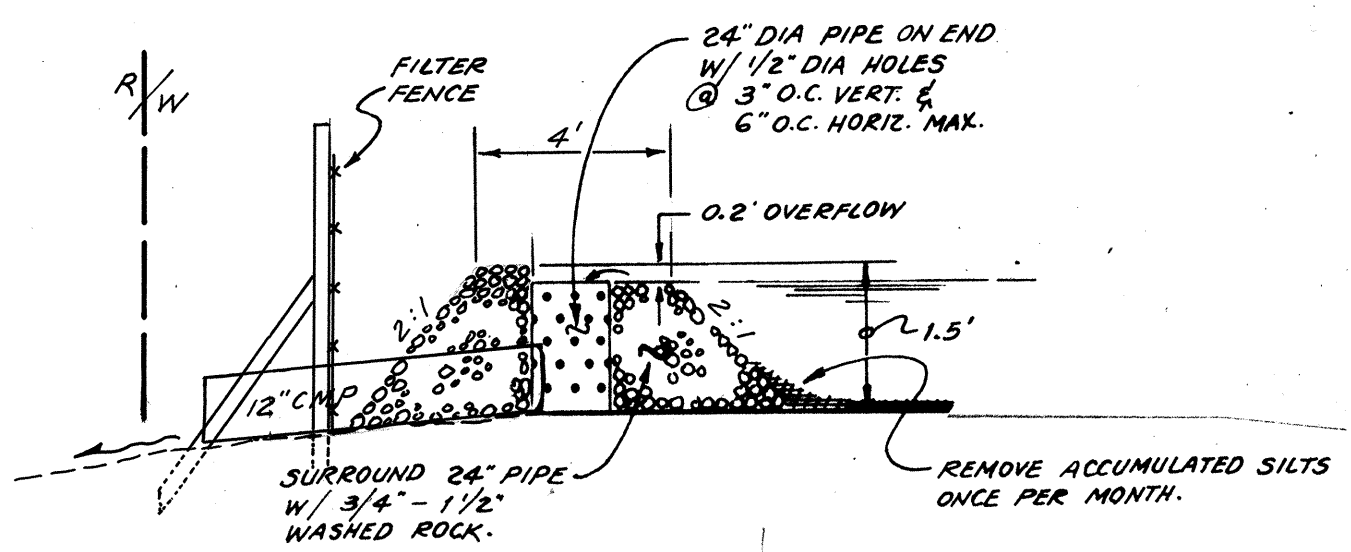
STANDPIPE AND SEDIMENT POND MAINTENANCE
The embankment of the basin should be checked regularly to insure that it is structurally sound and has not been damaged by erosion.
The emergency spillway should be checked regularly to insure that its lining is well established and erosion-resistant.
The siltation basin should be checked after each runoff-producing rainfall for sediment cleanout. When the sediment reaches the cleanout level, it shall be removed and properly disposed of.

GRADING QUANTITIES

CUT : 18,614 ± C.Y.
FILL : 14,344 ± C.Y.

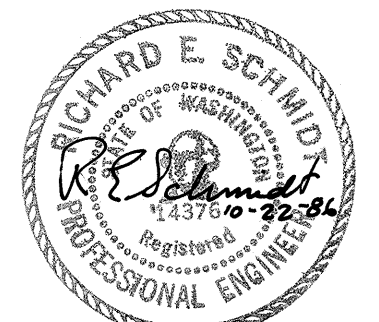
APPROVED FOR *Randolph R. Knight* BY: G.E. WEED, DIRECTOR DATE: 4/23/87
ROAD CONSTRUCTION ONLY DEPT. OF PUBLIC WORKS

- REV. 5 : ADD ROCKERIES & ROCKERY DETAIL. 7-07-87 AJ
REV. 4 : REV. GRADES @ INTER. 25TH AVE & 163RD ST. & ADD FILTER BERM- STANDPIPE 4-10-87 AJ
REV. 3 : ADD FILTER FENCE LOTS 4-8 3-6-87 AJ
REV. 2 : REVISE CLEARING LIMITS AND ADDED GRADING PLAN. 12-11-86 D.S.
REV. 1 : INCREASE CLEARING LIMITS TO ACCOMMODATE THE NECESSARY BUILDING AREAS 10/29/86 ALZ



FILTER BERM STANDPIPE DETAIL
N.T.S.

NOTE:
ALL GRADING TO BE IN CONFORMANCE WITH U.B.C., CHAPTER 70.

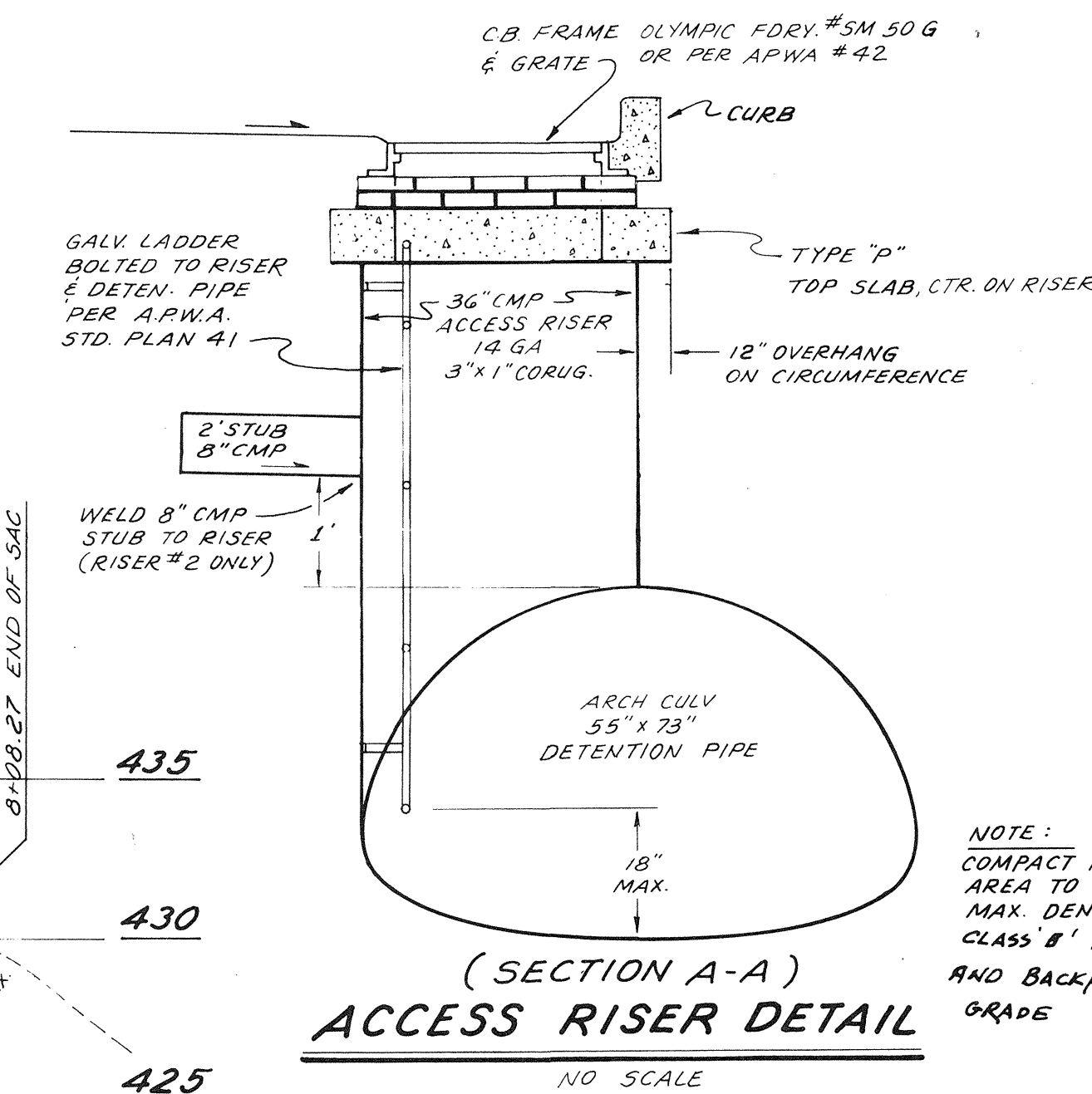
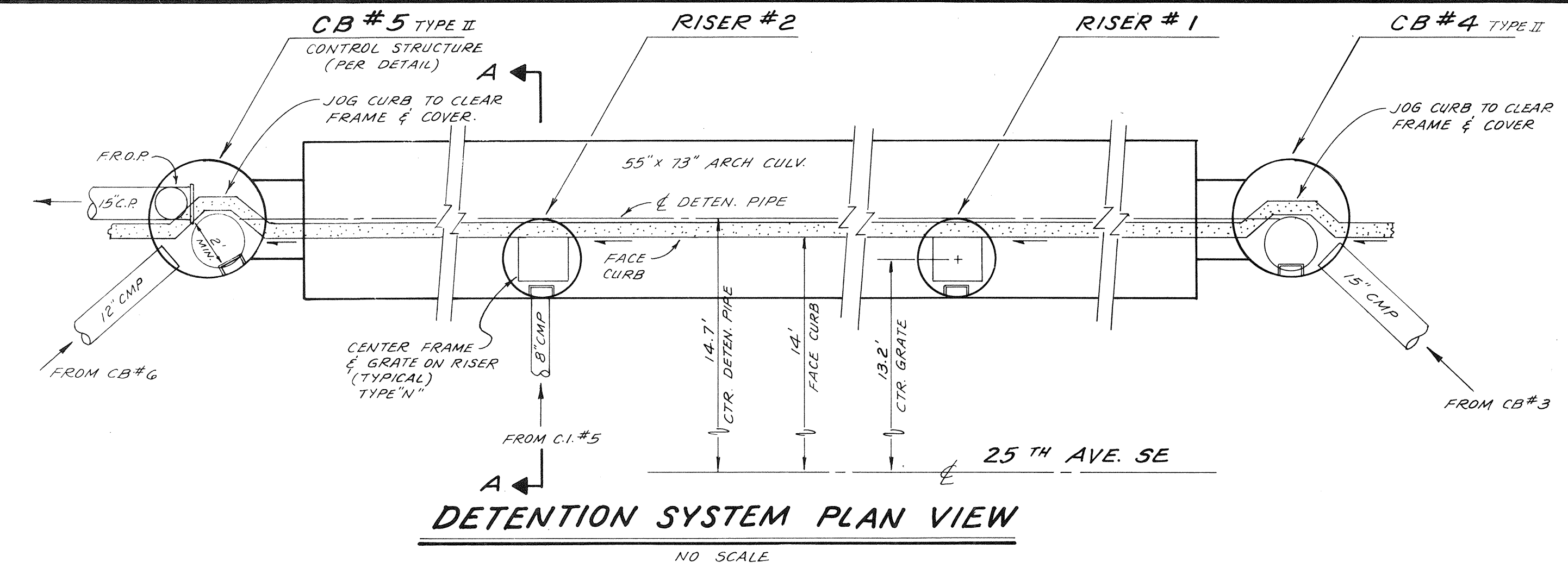
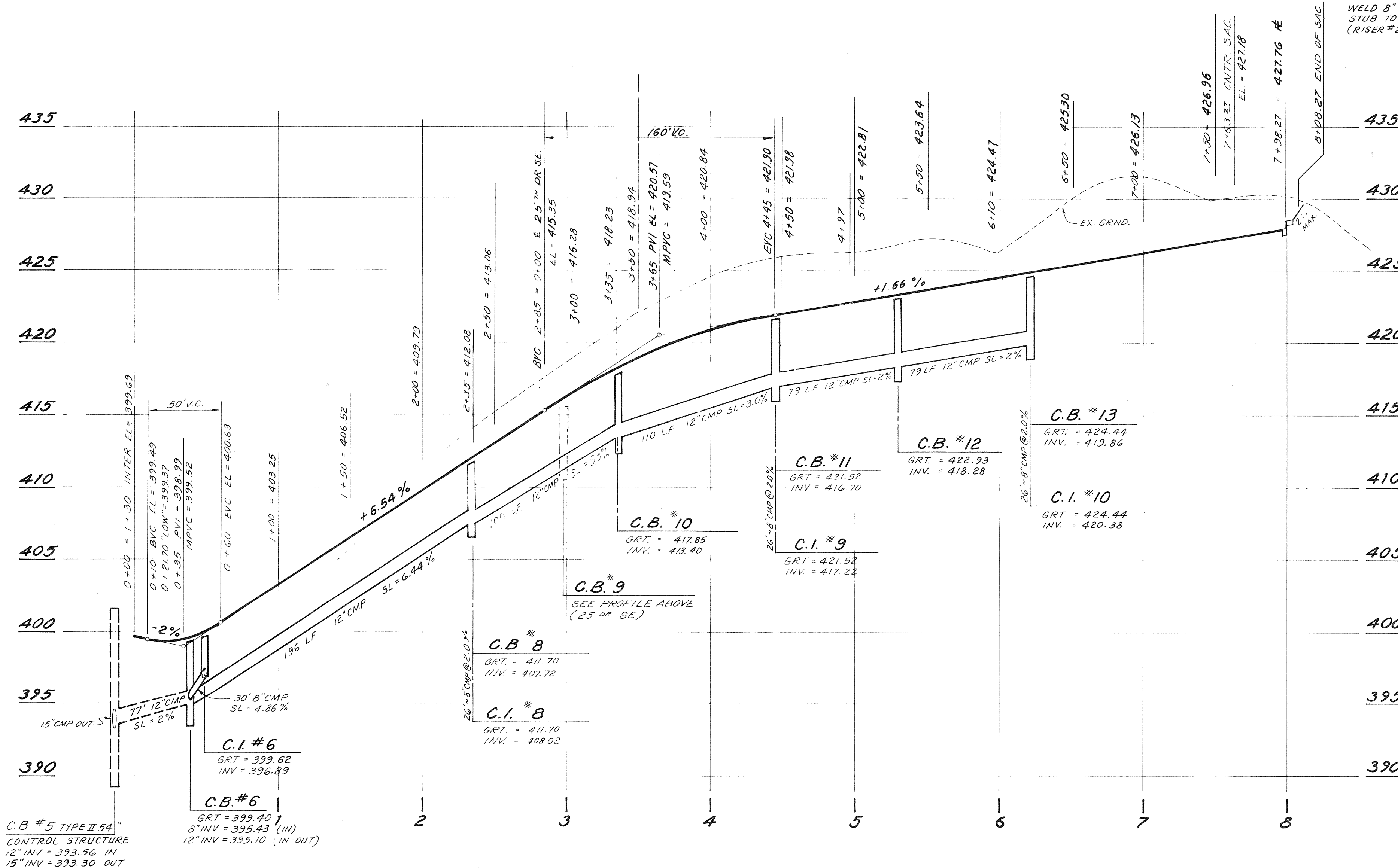
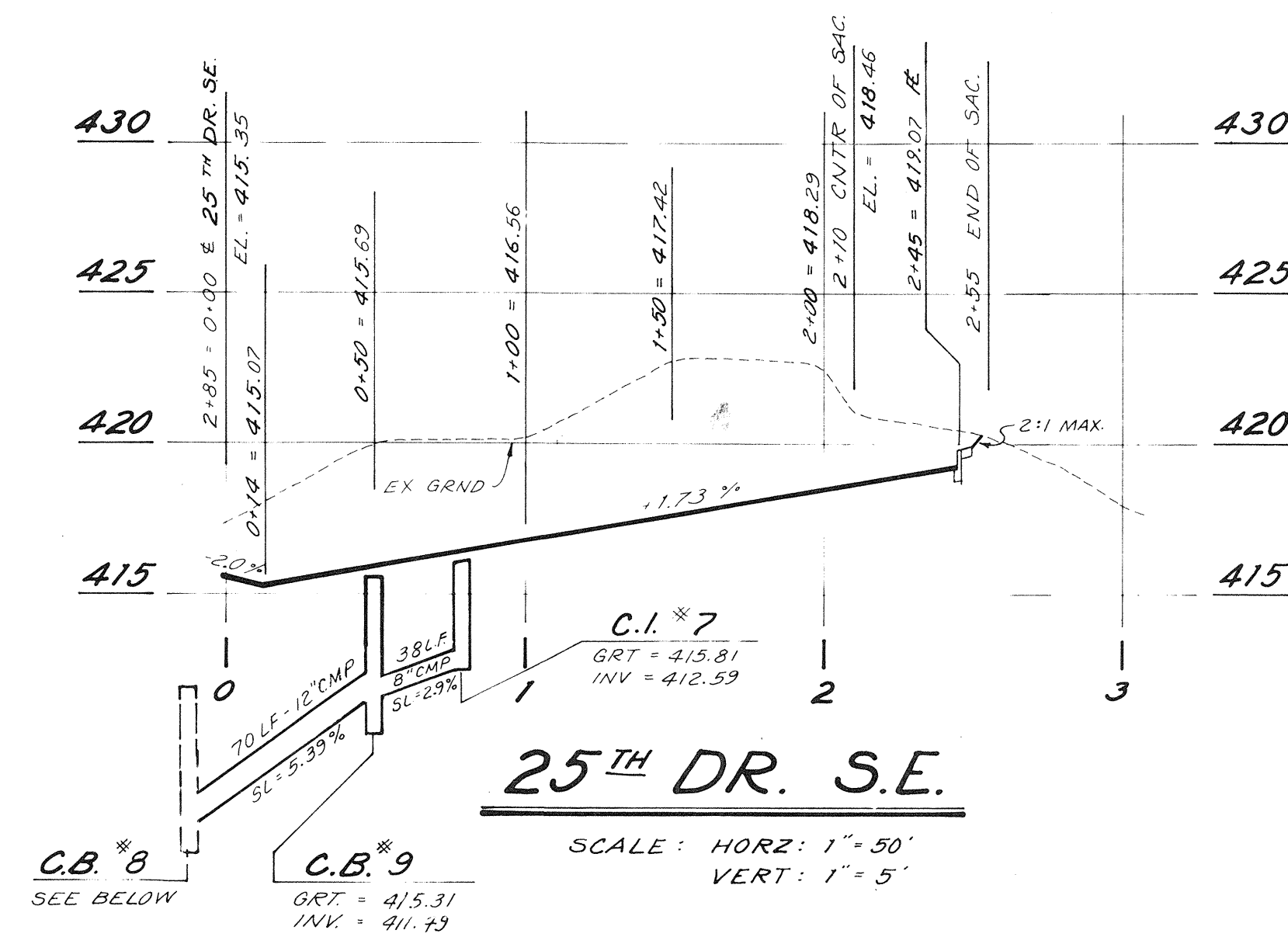


REV. 2 12-11-86 RES
REV. 3 3-10-87 RES

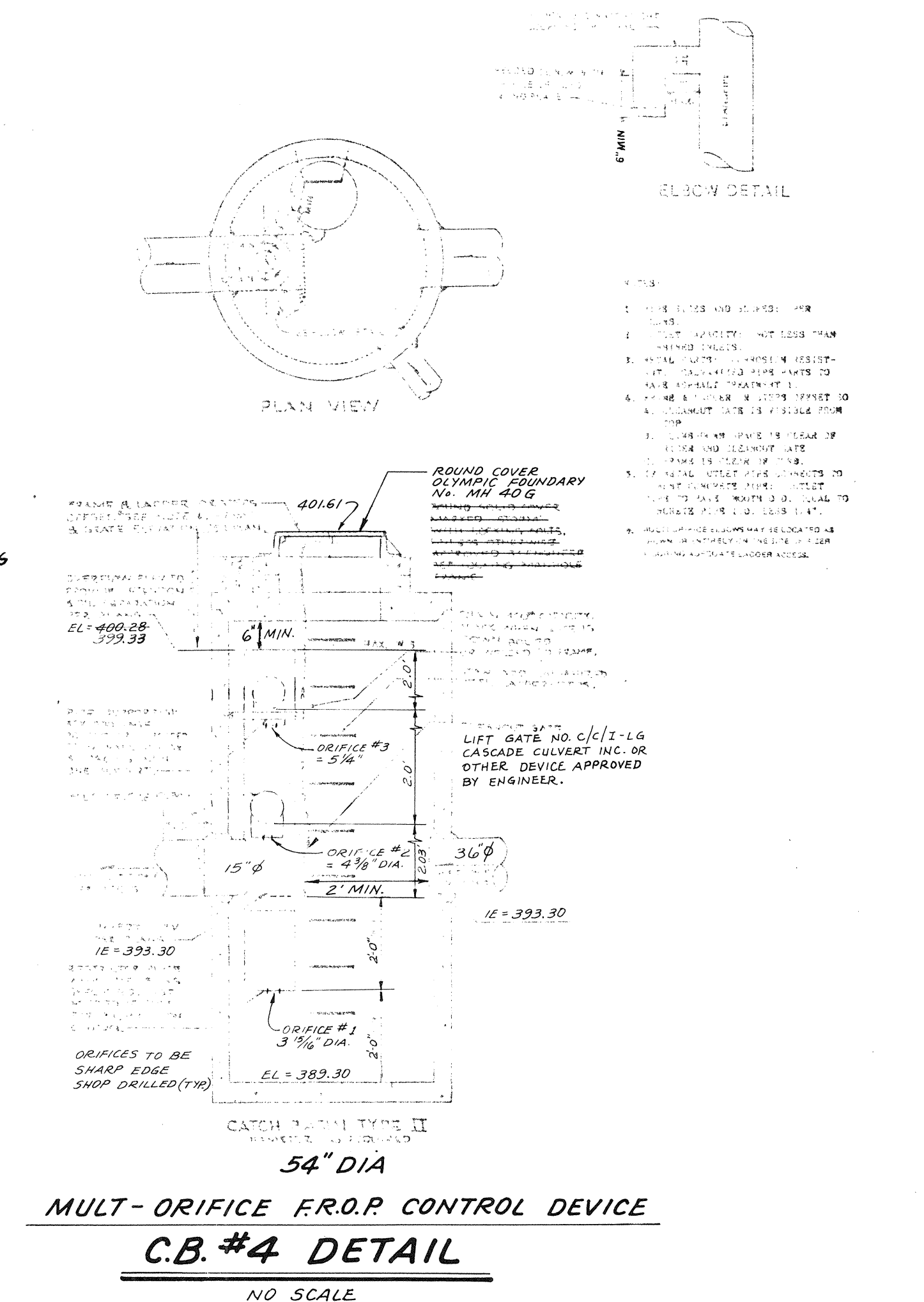
**TEMPORARY EROSION-
SEDIMENTATION CONTROL PLAN
CLEARING LIMITS
GRADING PLAN**
FOR
MILL CREEK SOUTH
DEVELOPER:
KEN LONG & DICK SCHMIDT
13322 HWY. 99 SOUTH
EVERETT, WA 98204
PHONE (206) 745-1594

**Western
Surveyors
Inc.**
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DWN BY	DATE	PROJECT MANAGER	SCALE
KAM	8-26-86	EN. BONE	
CHKD BY	DATE	SHEET	JOB NO.
ENB		5 OF 5	84-005



NOTE:
COMPACT HAUNCH
AREA TO 95%
MAX. DENSITY.
CLASS 8" BEDDING
AND BACKFILL TO
GRADE



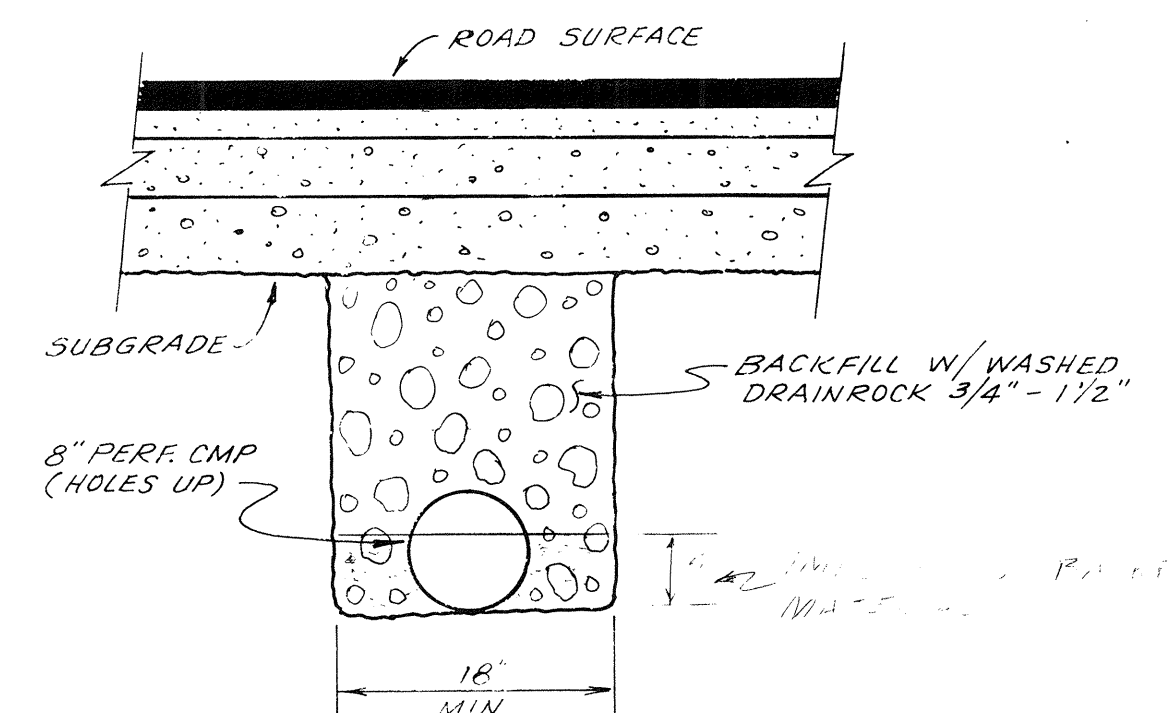
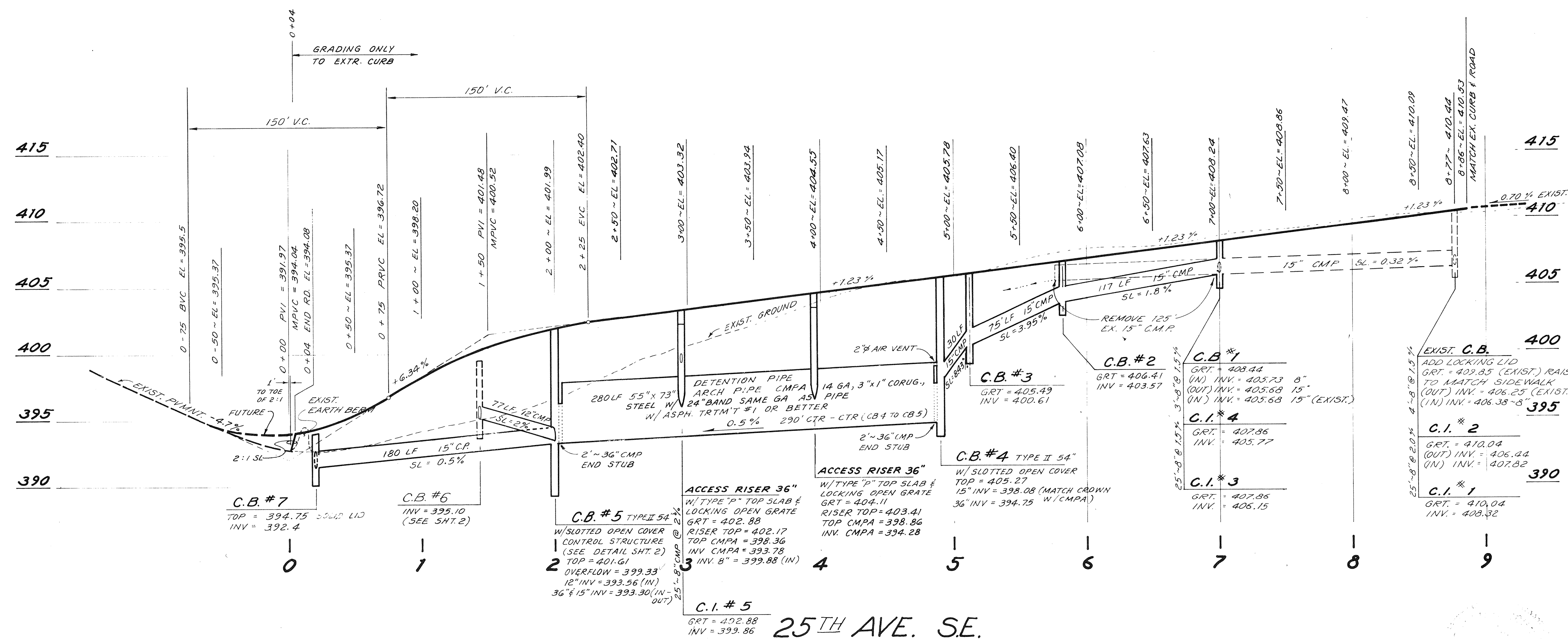
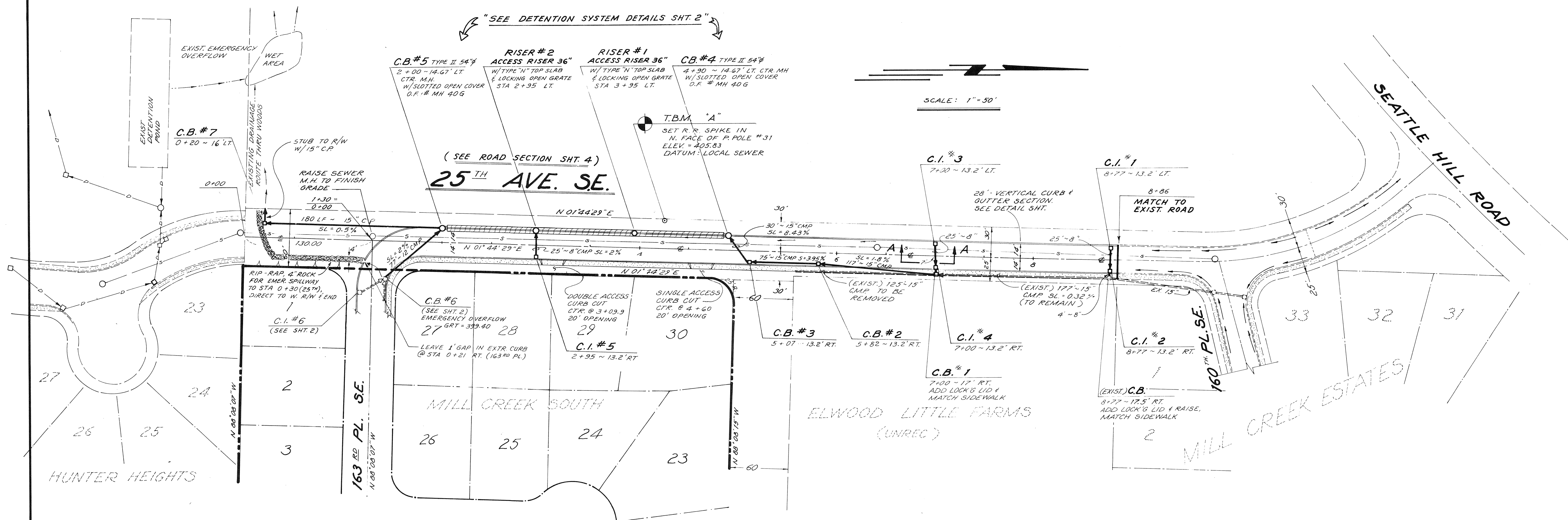
APPROVED FOR: *Randolph R. Plight* GE WEED, DIRECTOR DATE: 4/23/87
CONSTRUCTION DEPT. OF PUBLIC WORKS

REV 1 12-11-86 RES
REV 2 3-6-87 RES

ROAD & STORM PROFILES
FOR:
MILL CREEK SOUTH
DEVELOPER:
KEN LONG & DICK SCHMIDT
13322 HWY. 99 SOUTH
EVERETT, WA 98204
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Western Surveyors Inc.
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13322 Highway 99 South • Everett, WA 98204 • (206) 745-1594
745-1594
or
355-2776
DWN BY: DATE PROJECT MANAGER SCALE
KAM 8-29-86 E.J. BONE AS SHOWN
CHKD BY: DATE SHEET JOB NO.
EVB 2 OF 5 84-005

MILL CREEK SOUTH HDEV-423 JOB NO. 84-005



TYPICAL INLET CONNECTORS (25TH AVE. SE)
SECTION A-A

25TH AVE. SE
APPROVED FOR: 1/ Allan Newbill DATE: 4-23-87
CONSTRUCTION CITY OF MILL CREEK

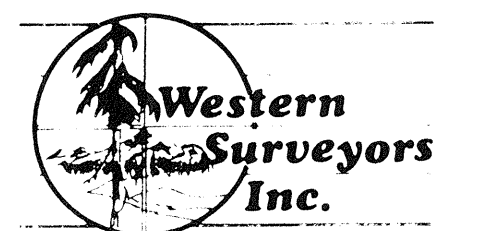
APPROVED FOR Randolph C. Wright BY: G.E. WEED, DIRECTOR DATE: 4/23/87
CONSTRUCTION DEPT. OF PUBLIC WORKS

REV. 3 : MOVE DETENTION SYSTEM TO W. SIDE OF 25TH,
REV. ROAD PROFILE SOUTH OF 2+25. 4-10-87 A.J.

REV. 2 : REVISE EMER. OVERTFLOW, ADD C.B. @ 5+82,
ADD SEC. A-A 3'-6'-87 A.J.

REV. 1 : REVISE ROAD PROFILE 12-11-86 D.S.

NO	REVISION	DATE	BY
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745-1594
or
855-2776

LAND USE CONSULTANTS
CIVIL ENGINEERS • LAND SURVEYORS
13322 Highway 99 South • Everett, WA 98204 • (206) 745-1594

OWN BY DATE <i>KAM 8-29-86</i>	PROJECT MANAGER <i>E.V. BONE</i>	SCALE <i>AS SHOWN</i>
CHKD. BY DATE <i>EVB</i>	SHEET <i>3</i> OF <i>5</i>	JOB NO. <i>84-005</i>

ROAD AND STORM
PLAN & PROFILE

FOR:

MILL CREEK SOUTH

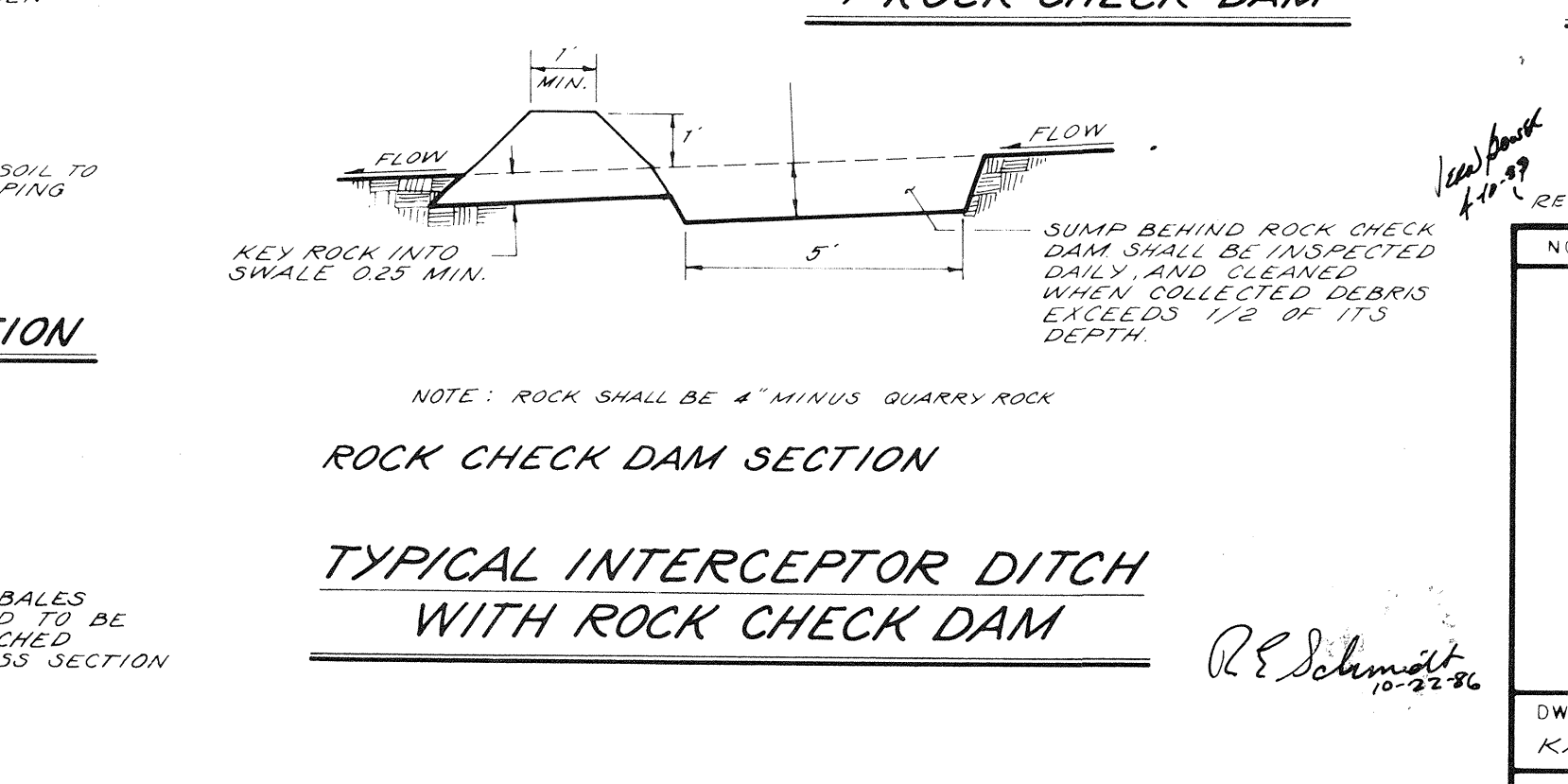
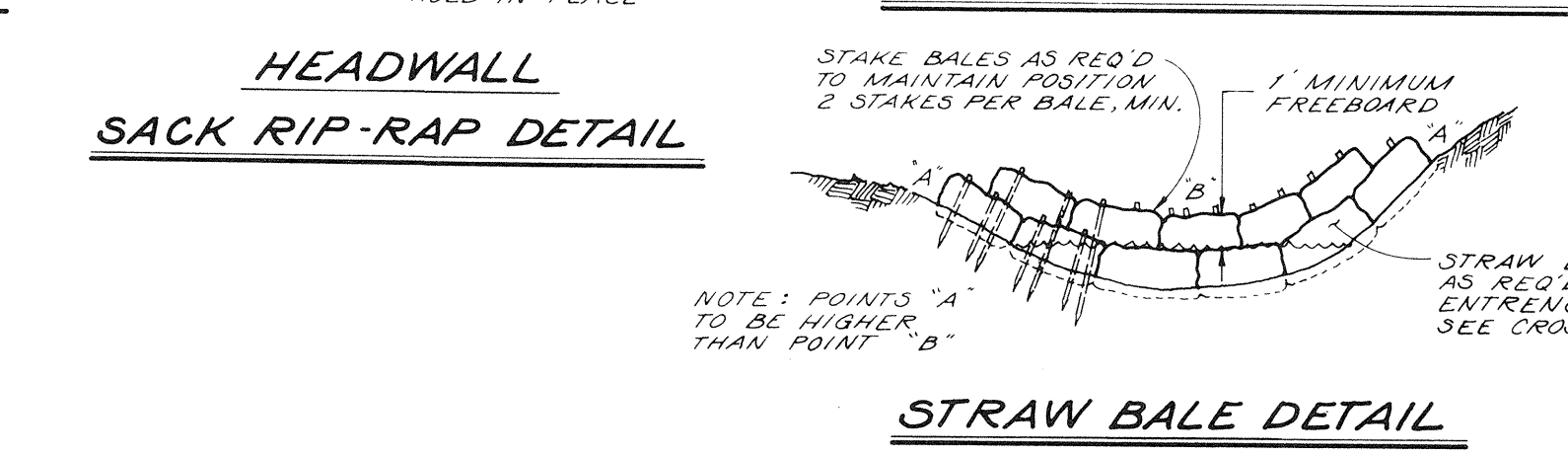
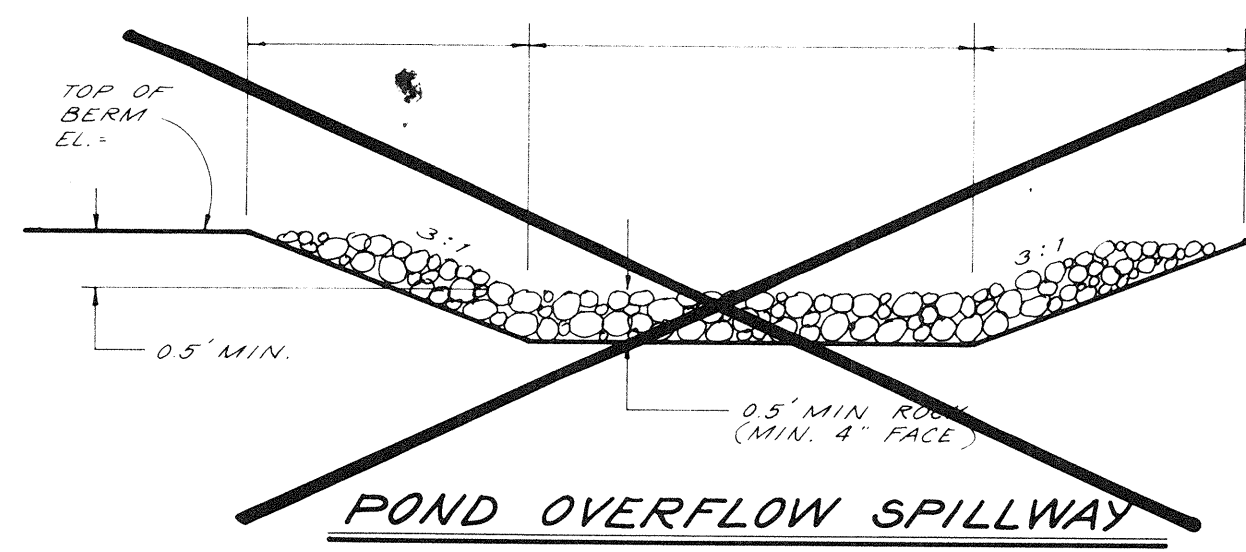
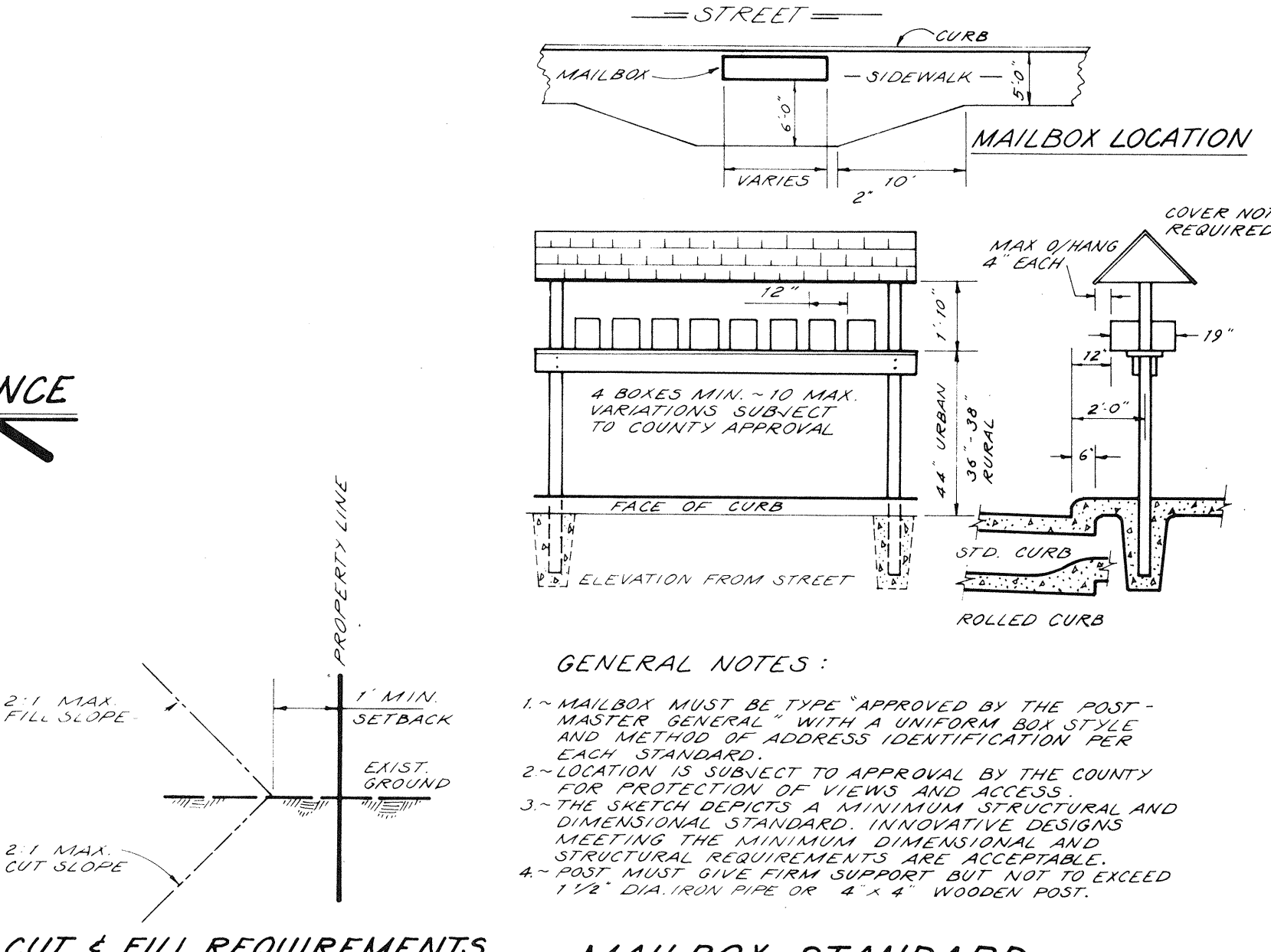
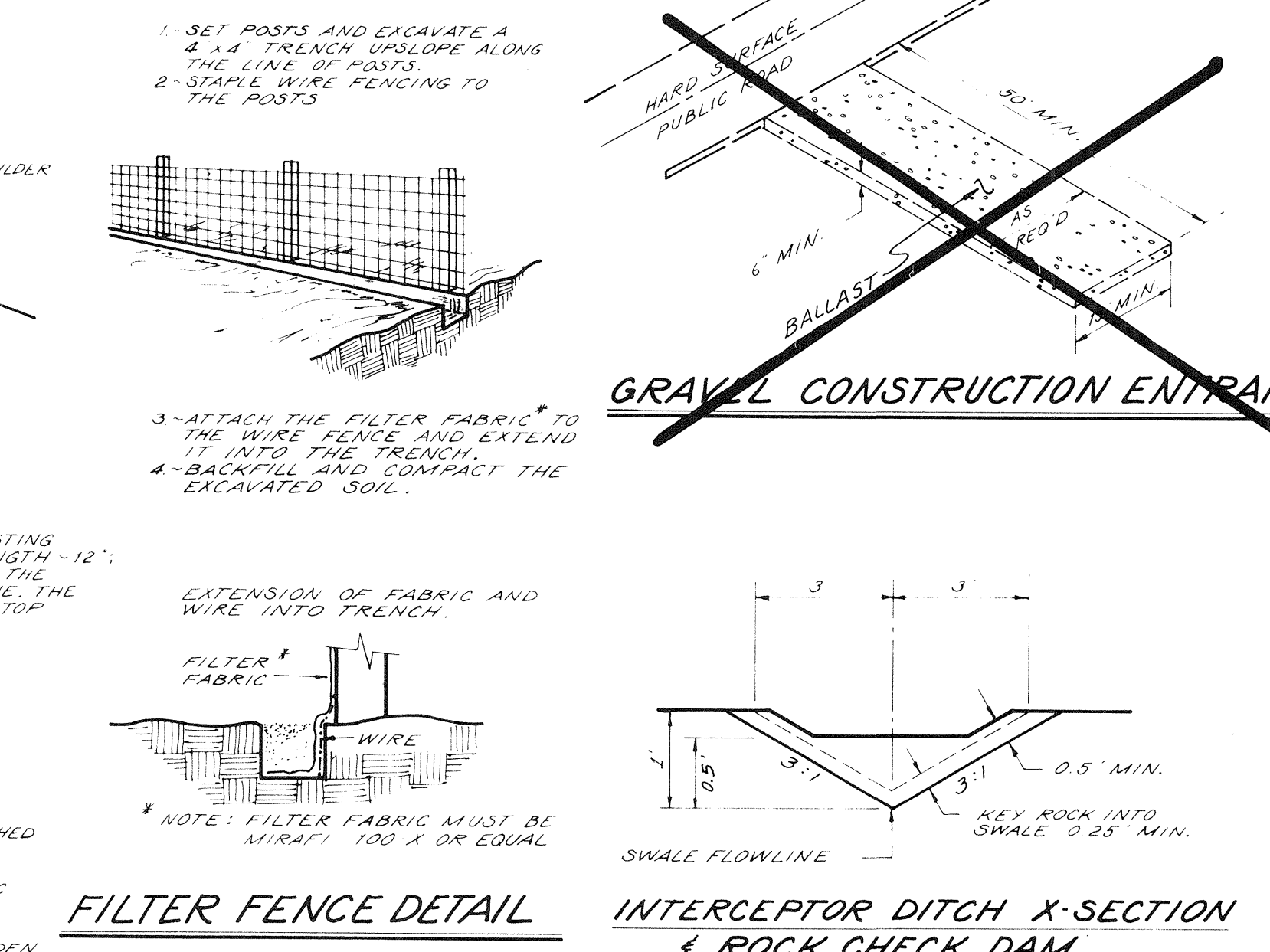
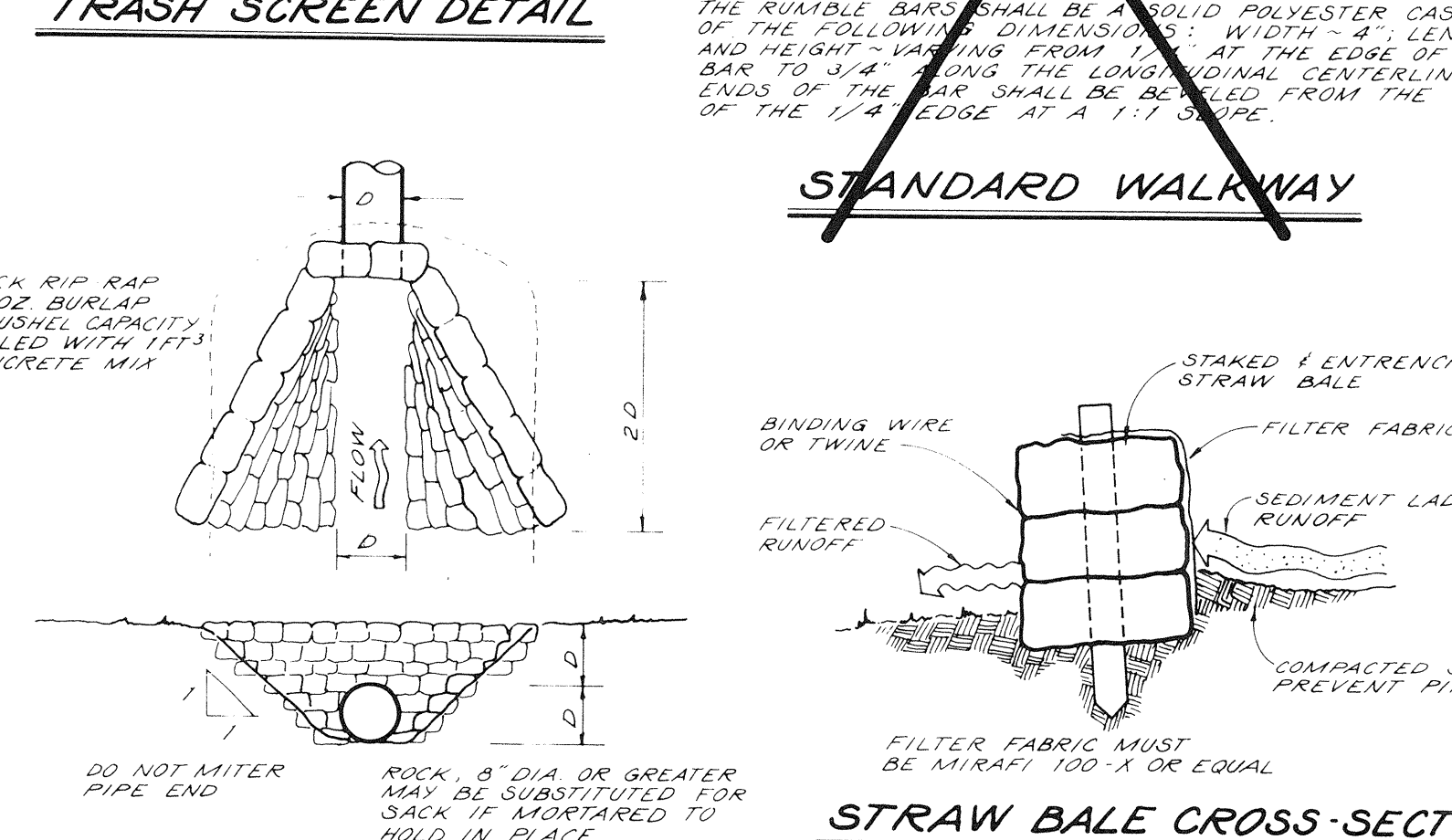
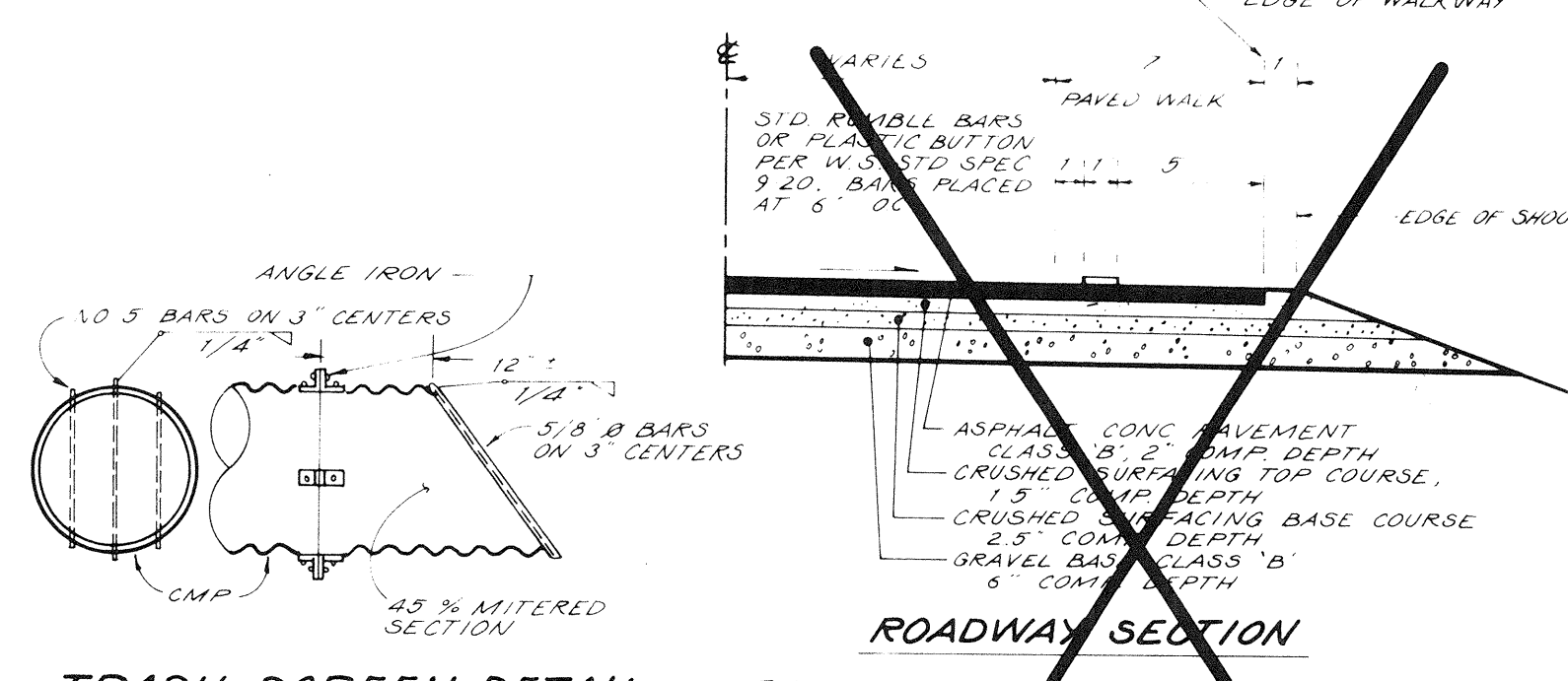
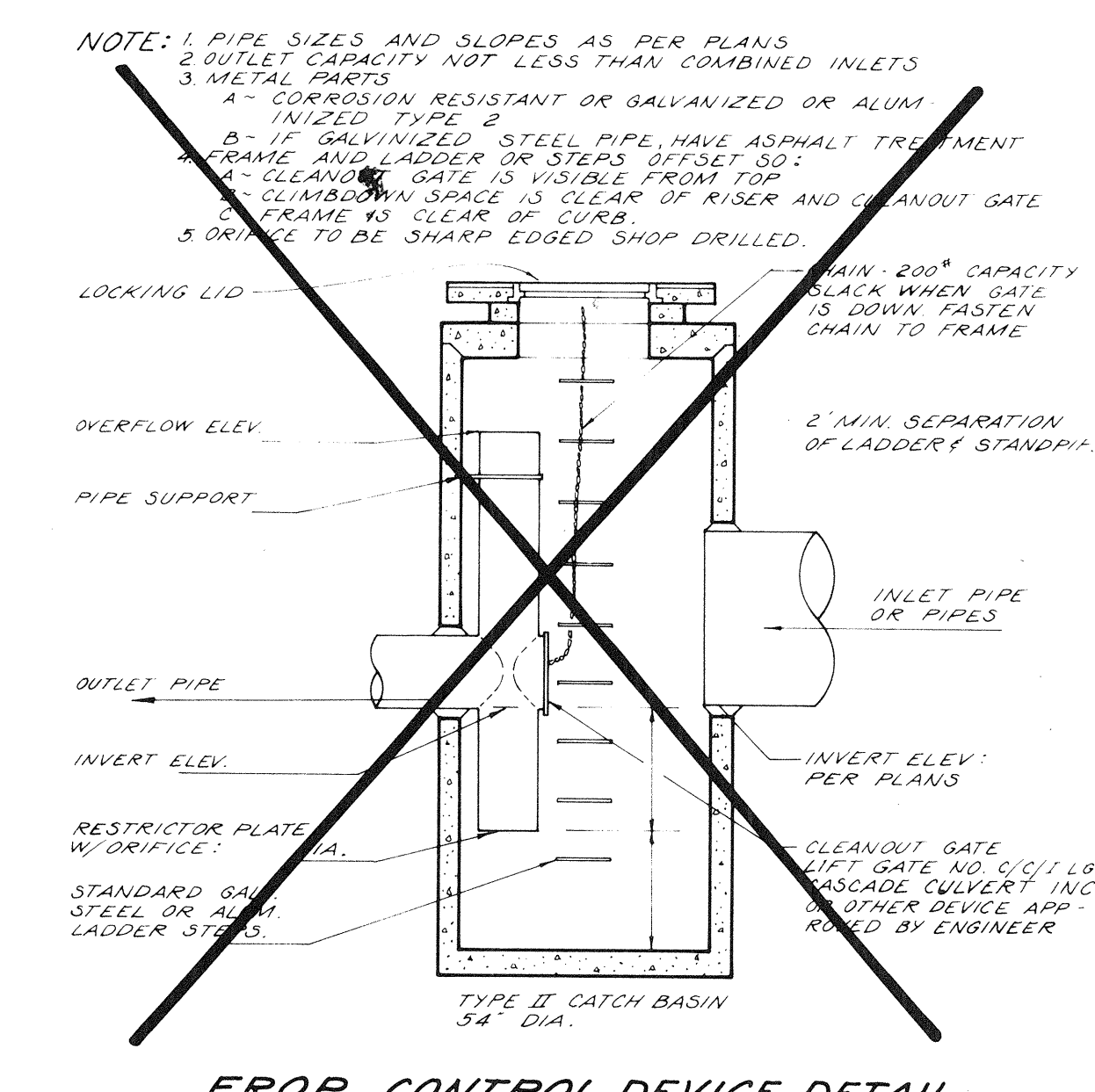
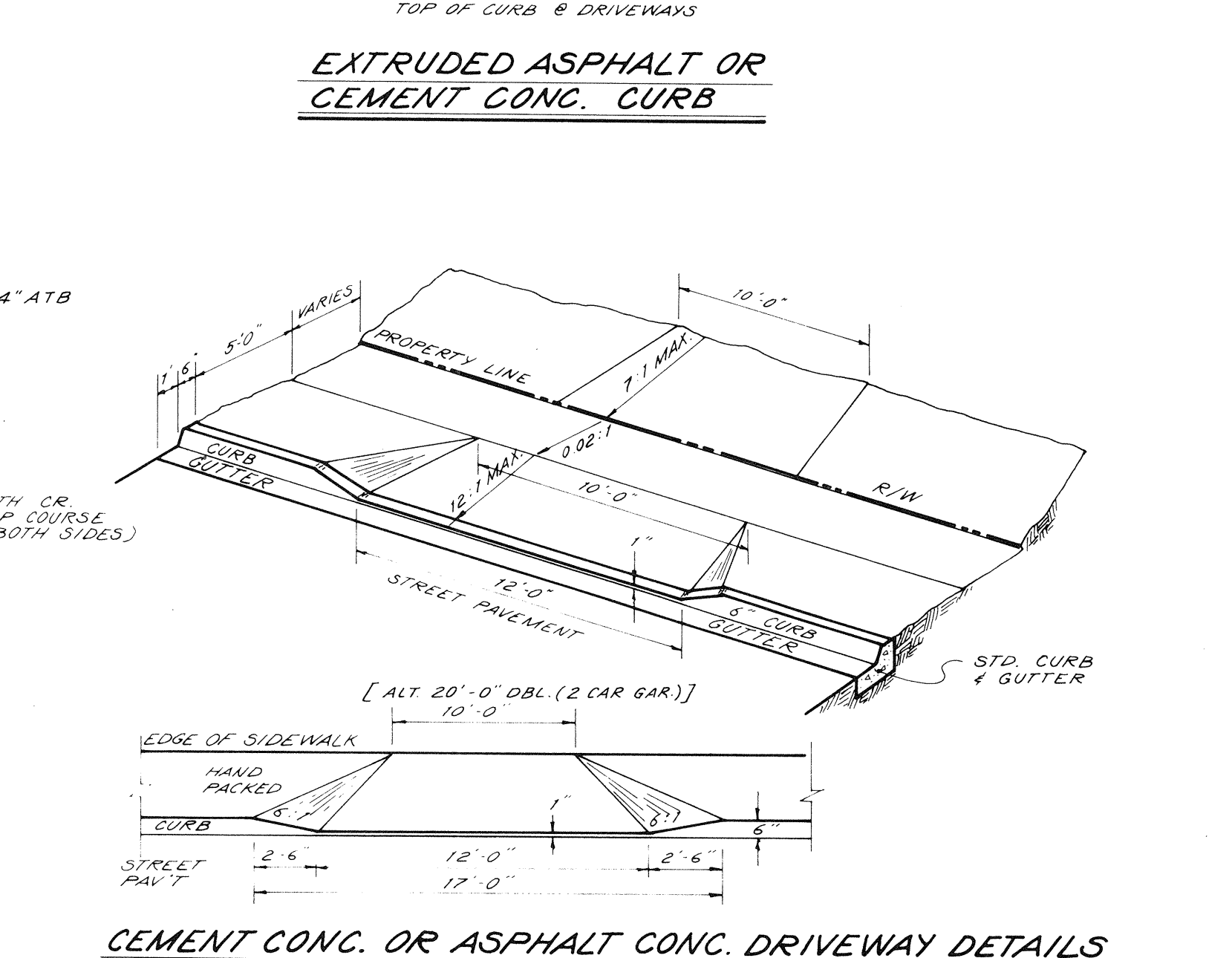
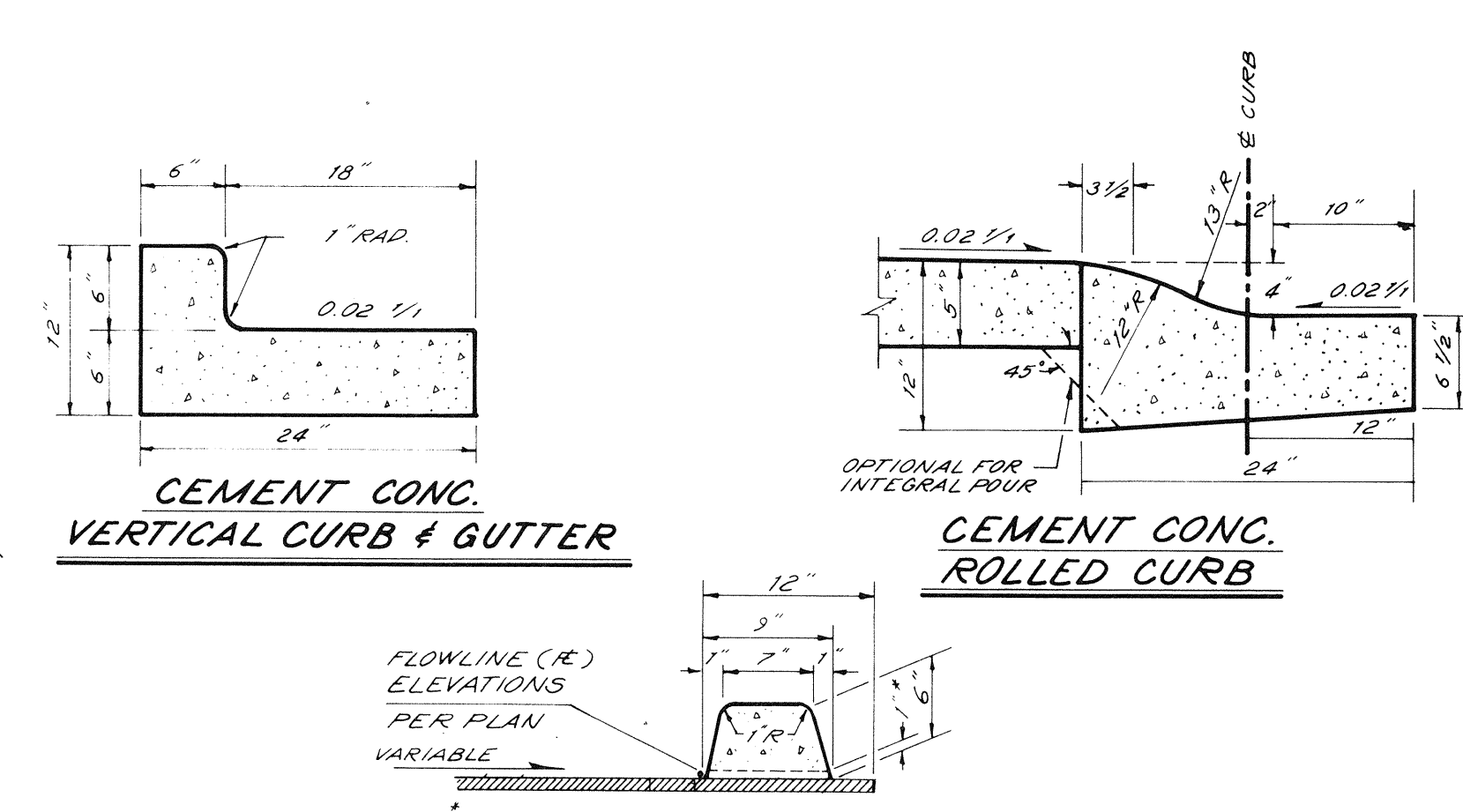
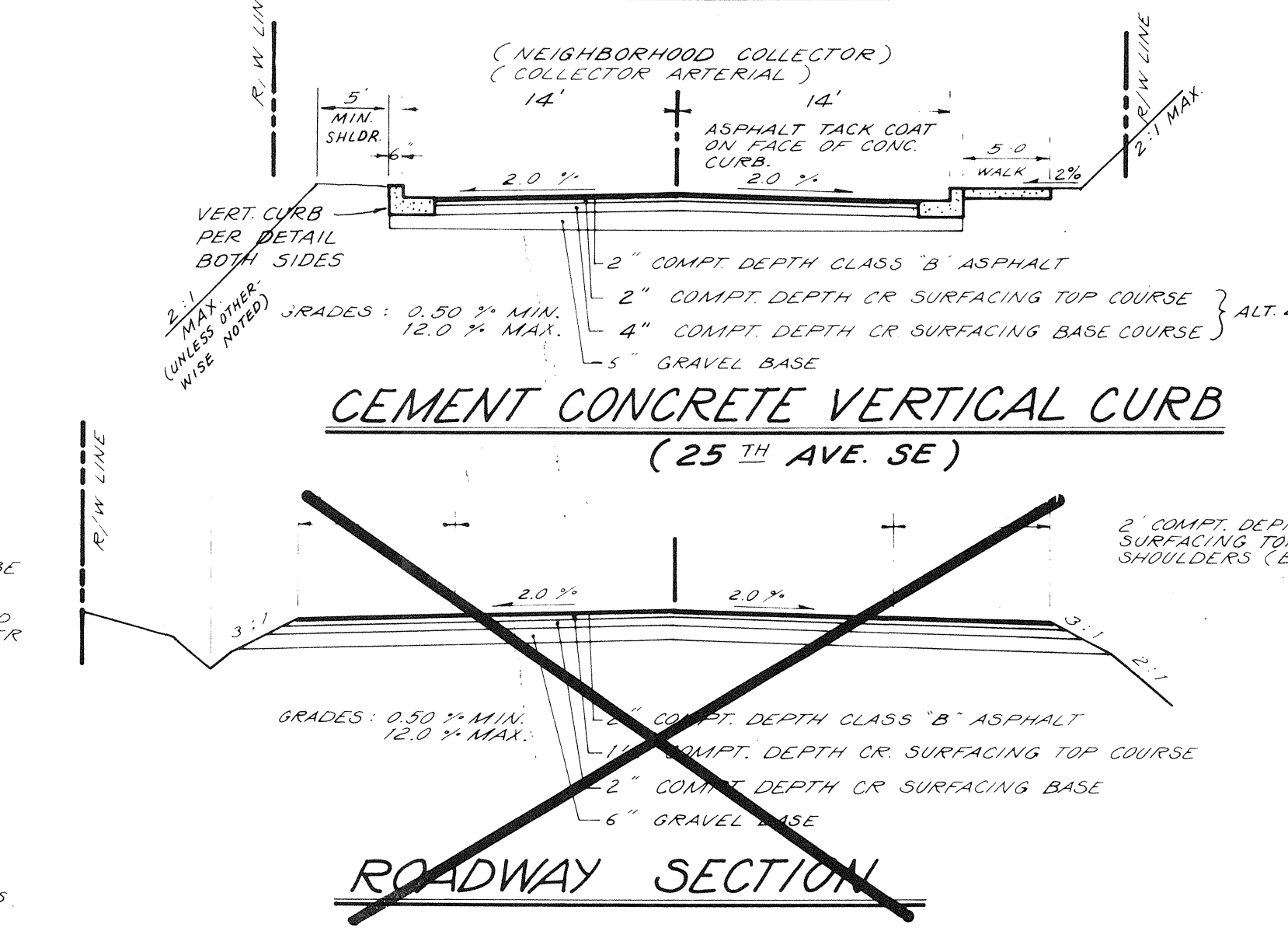
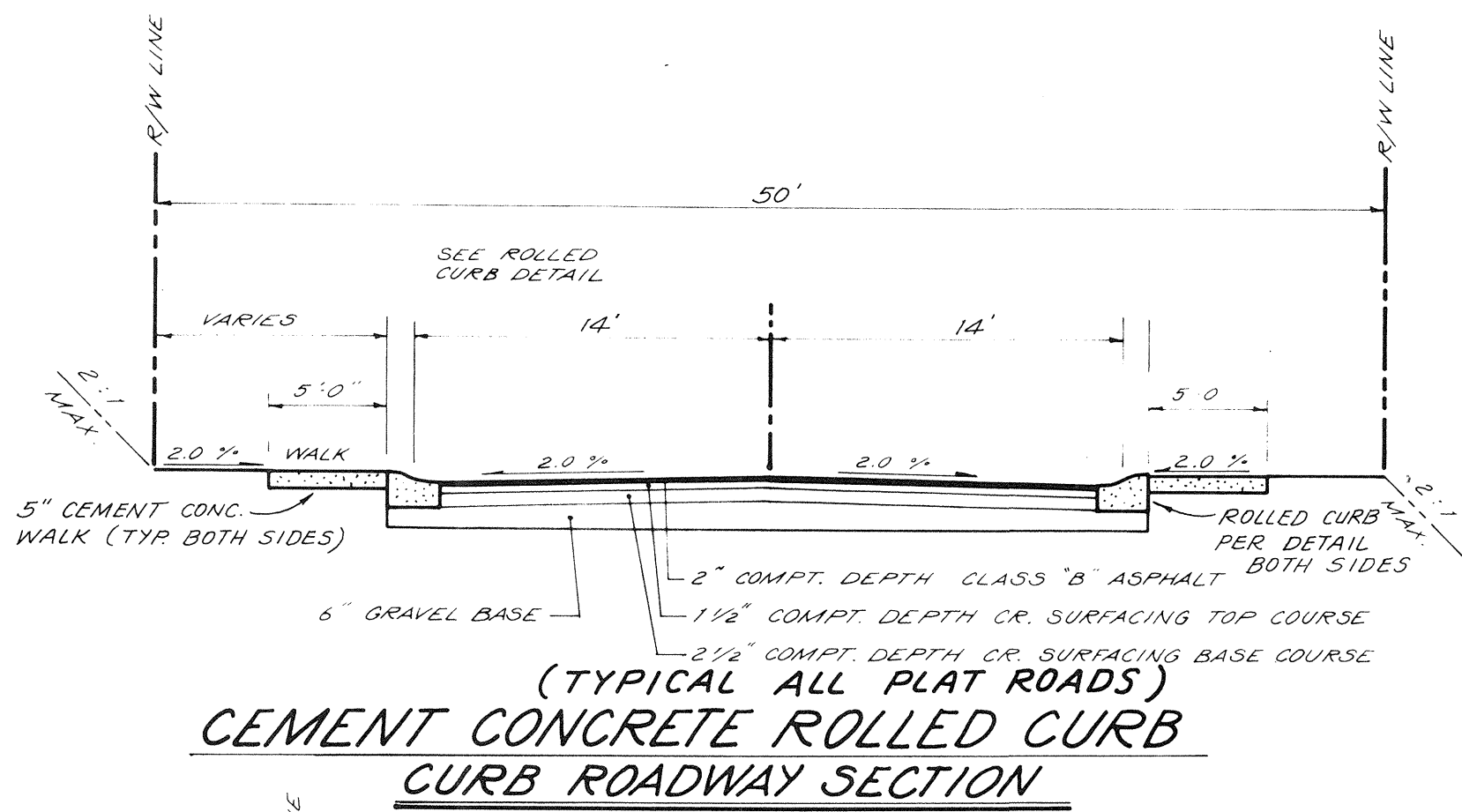
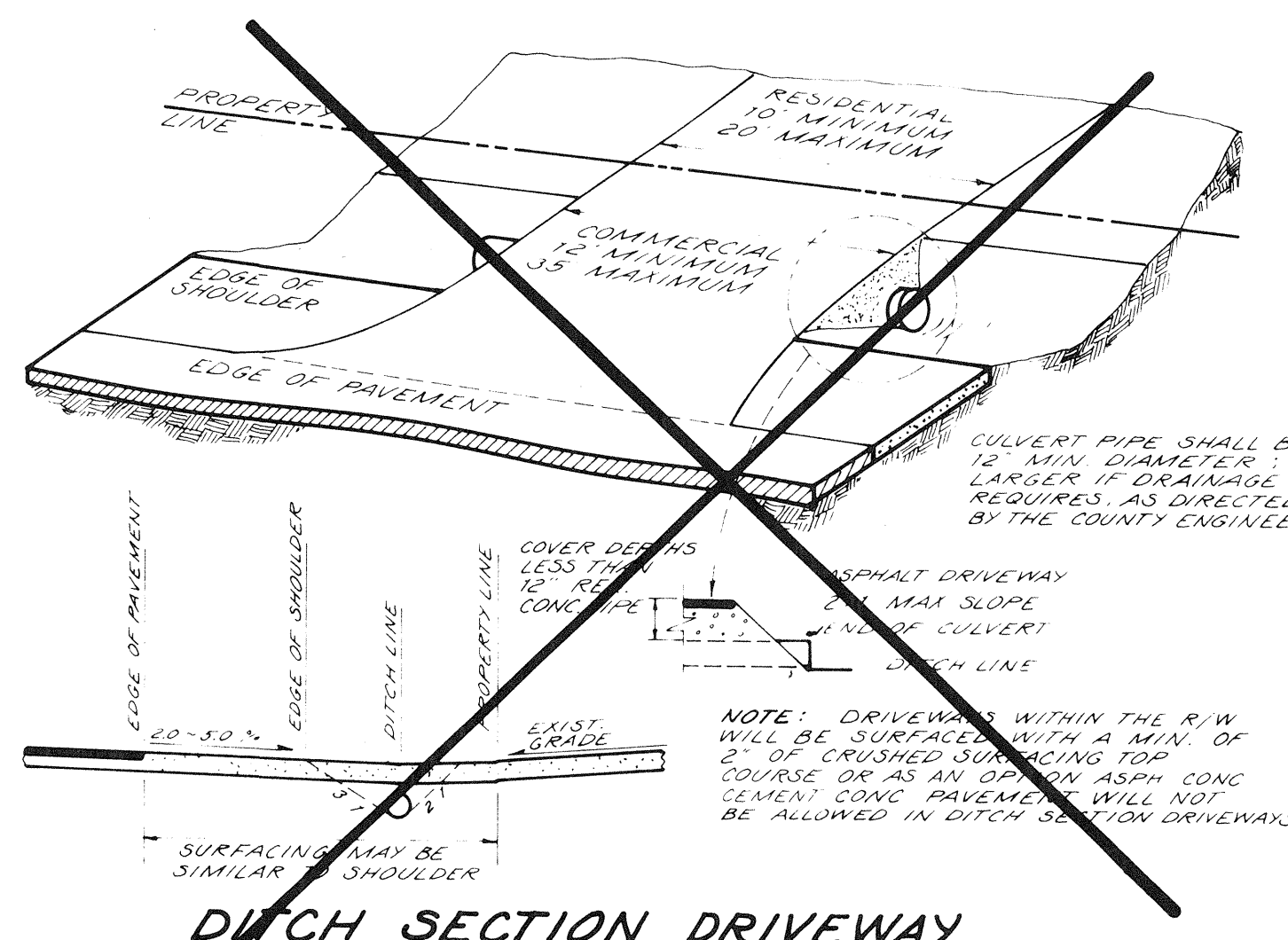
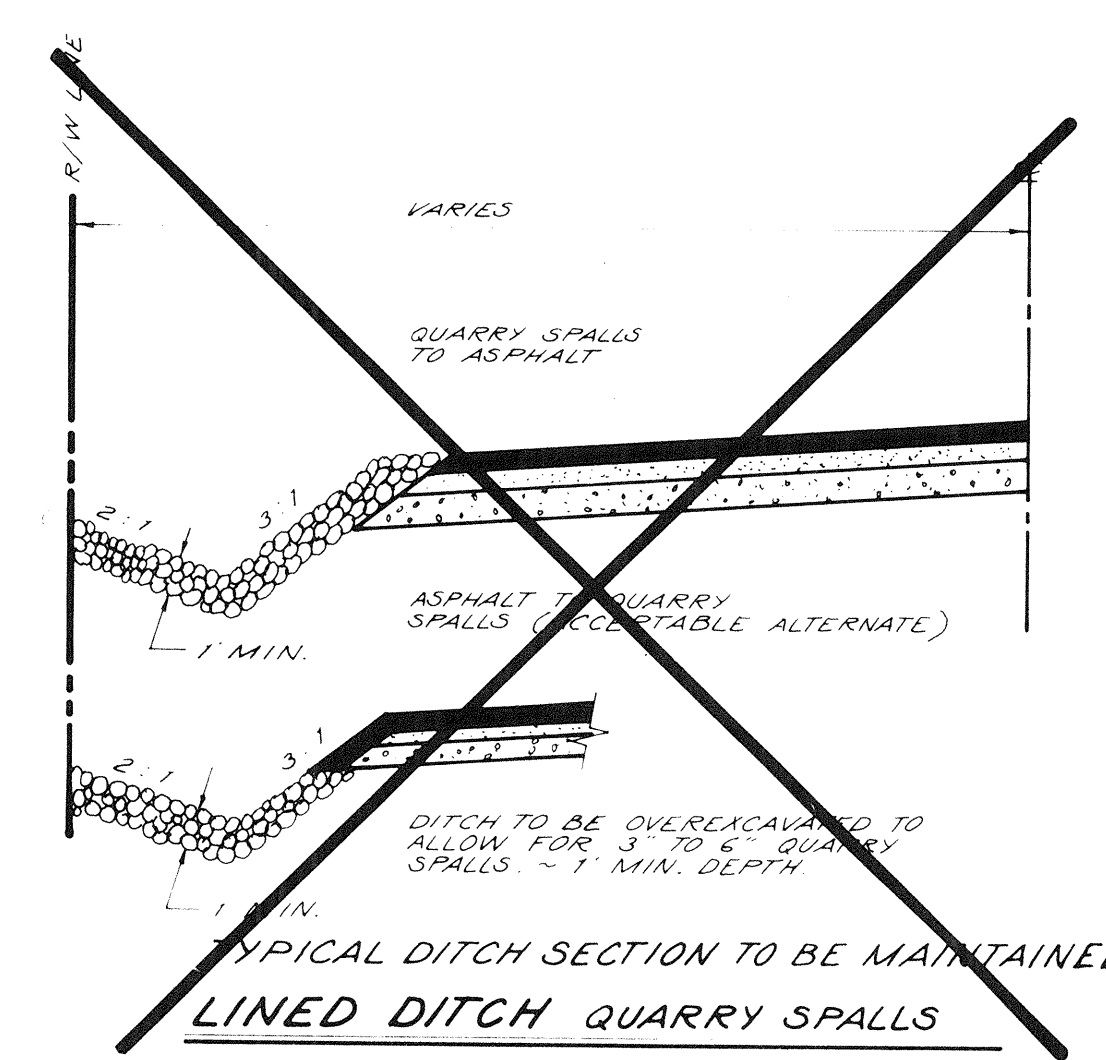
DEVELOPER:
KEN LONG & RICK SCHMIDT

13322 HWY. 99 SOUTH
EVERETT, WA 98204
PHONE (206) 745-1594

MILL CREEK SOUTH

HDEV-424

JOB NO. 84-005



GENERAL NOTES:

- 1 - MAILBOX MUST BE TYPE "APPROVED BY THE POST-MASTER GENERAL" WITH A UNIFORM BOX STYLE AND METHOD OF ADDRESS IDENTIFICATION PER EACH STANDARD.
- 2 - LOCATION IS SUBJECT TO APPROVAL BY THE COUNTY FOR PROTECTION OF VIEWS AND ACCESS.
- 3 - THE SKETCH DEPICTS A MINIMUM STRUCTURAL AND DIMENSIONAL STANDARD. INNOVATIVE DESIGNS KEEPING THE MINIMUM DIMENSIONAL AND STRUCTURAL REQUIREMENTS ARE ACCEPTABLE.
- 4 - POST MUST GIVE FIRM SUPPORT BUT NOT TO EXCEED 1 1/2" DIA. IRON PIPE OR 4 x 4 WOODEN POST.

CUT & FILL REQUIREMENTS

APPROVED FOR CONSTRUCTION: *Randolph Blight* 6E. WEED, DIRECTOR DATE: 4/23/87 DEPT. OF PUBLIC WORKS

REV. 1: REV. RD. SEC. (25TH) 3/6/87 AJ.

NO.	REVISION	DATE	BY
1	Western Surveyors Inc.	745-1594	OF 355-2776

DETAILS

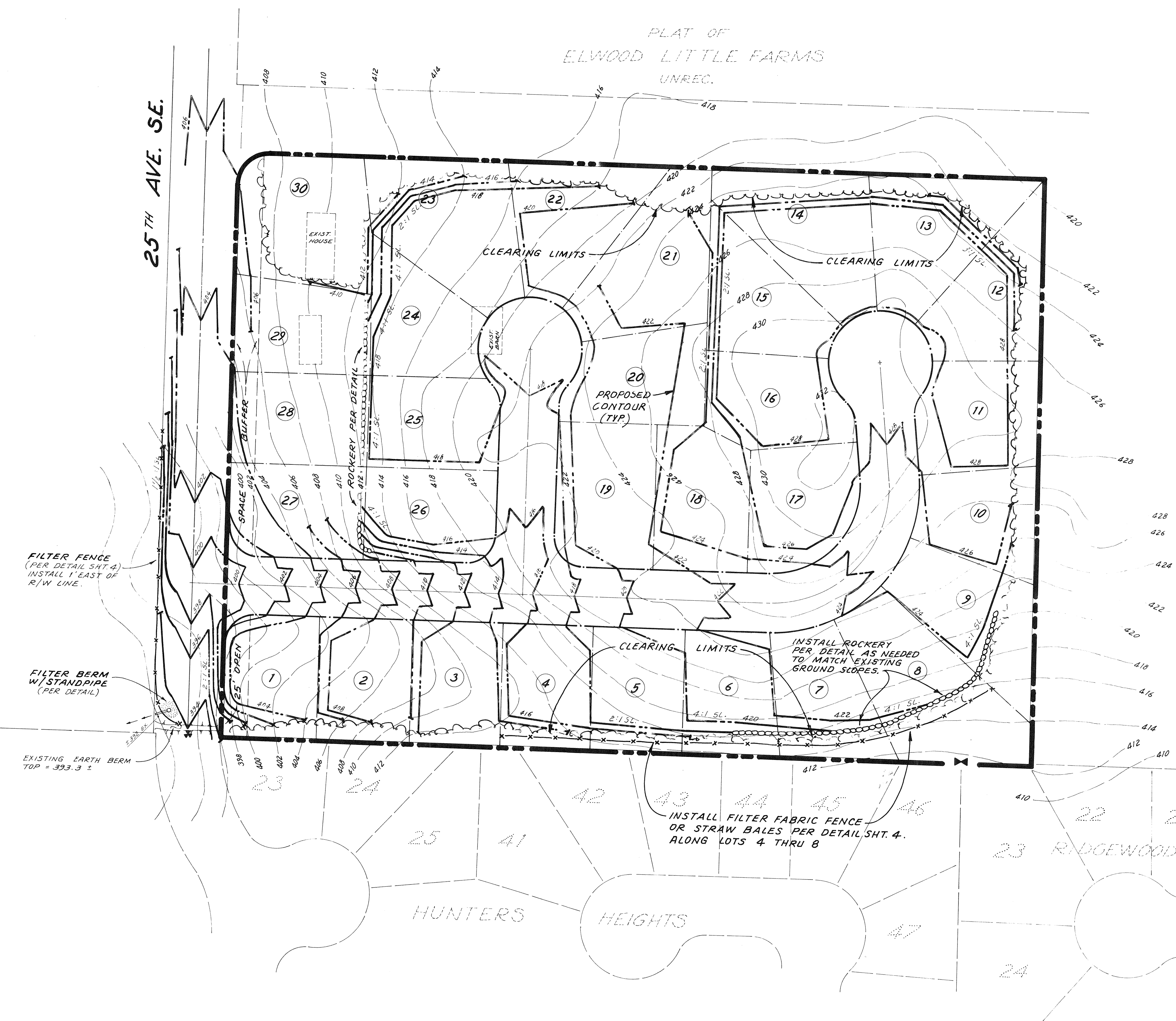
FOR: **MILL CREEK SOUTH**

DEVELOPER: **KEN LONG & DICK SCHMIDT**

13322 HWY. 99 SOUTH
EVERETT, WA 98204
PHONE (206) 745-1594

DWN. BY	DATE	PROJECT MANAGER	SCALE
KAM	8-26-86	E.J. BONE	AS SHOWN

CHKD. BY	DATE	SHEET	JOB NO.
RES		4 OF 5	84-005



ROCKERY DETAIL

NO SCALE

GRADING QUANTITIES

CUT : 18,614 $\pm$ C.Y.

FILL : 14,344 ± C.Y.

APPROVED FOR W. Randolph Knight BY: G.E. WEED, DIRECTOR DATE: 4/23/87
FOR CONSTRUCTION ONLY DEPT. OF PUBLIC WORKS

REV. 5 : ADD ROCKERIES & ROCKERY DETAIL. 7-07-87 AJ
REV. 4 : REV GRADES @ INTER. 25TH AVE & 163RD ST.
 & ADD FILTER BERM-STOPIE 4-10-87 AJ.
REV. 3 : ADD FILTER FENCE LOTS 4-8 3-6-87 AJ.
REV. 2 : REVISE CLEARING LIMITS AND ADDED
 GRADING PLAN. 12-11-86 D.S.
REV. 1 : INCREASE CLEARING LIMITS TO ACCOMMODATE
 THE NECESSARY BUILDING AREAS 10/25/86 AJ

TEMPORARY EROSION -
SEDIMENTATION CONTROL PLAN
CLEARING LIMITS
GRADING PLAN

FDR
MILL CREEK SOUTH

DEVELOPER:
KEN LONG & DICK SCHMIDT

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EVERETT, WA 98204
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NO.	REVISION	DATE	BY
 Western Surveyors Inc. 745-1594 or 355-2776			
LAND USE CONSULTANTS CIVIL ENGINEERS • LAND SURVEYORS 13322 Highway 99 South • Everett, WA 98204 • (206) 745-1594			
OWN BY DATE	PROJECT/MANAGER	SCALE	
KAM 8-26-86	E.V. BONE		
CHKD BY DATE	SHEET	JOB NO	of
EVB.	5 OF 5	84-005	

MILL CREEK SOUTH FIELD BOOK: 115 HDEV-426 84-005