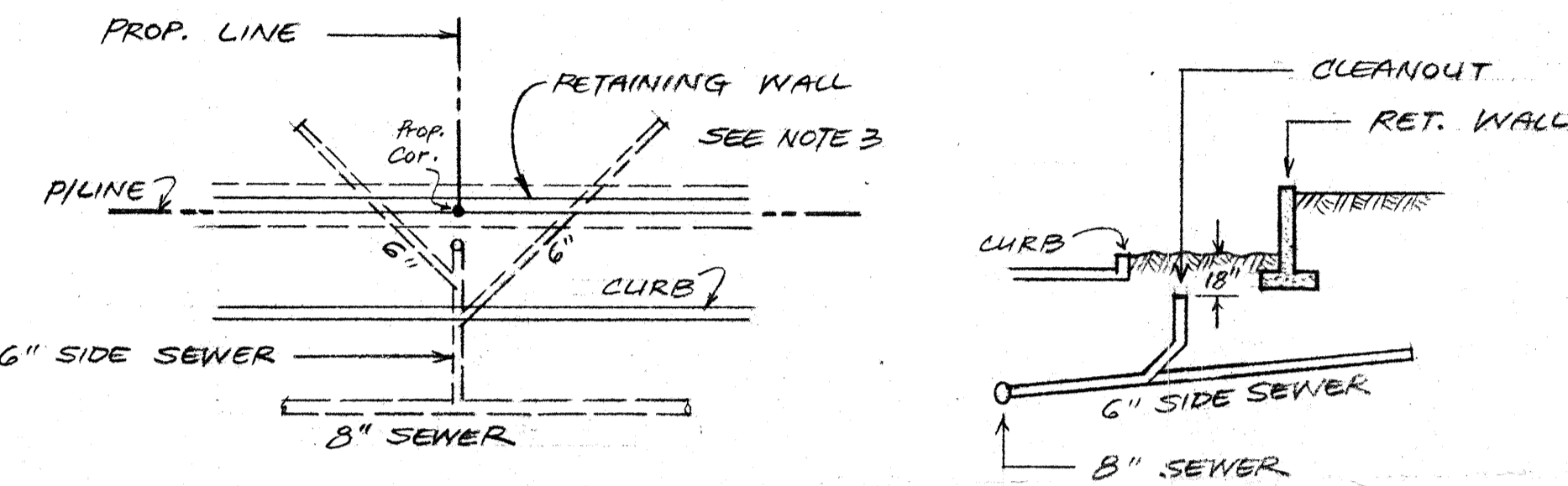
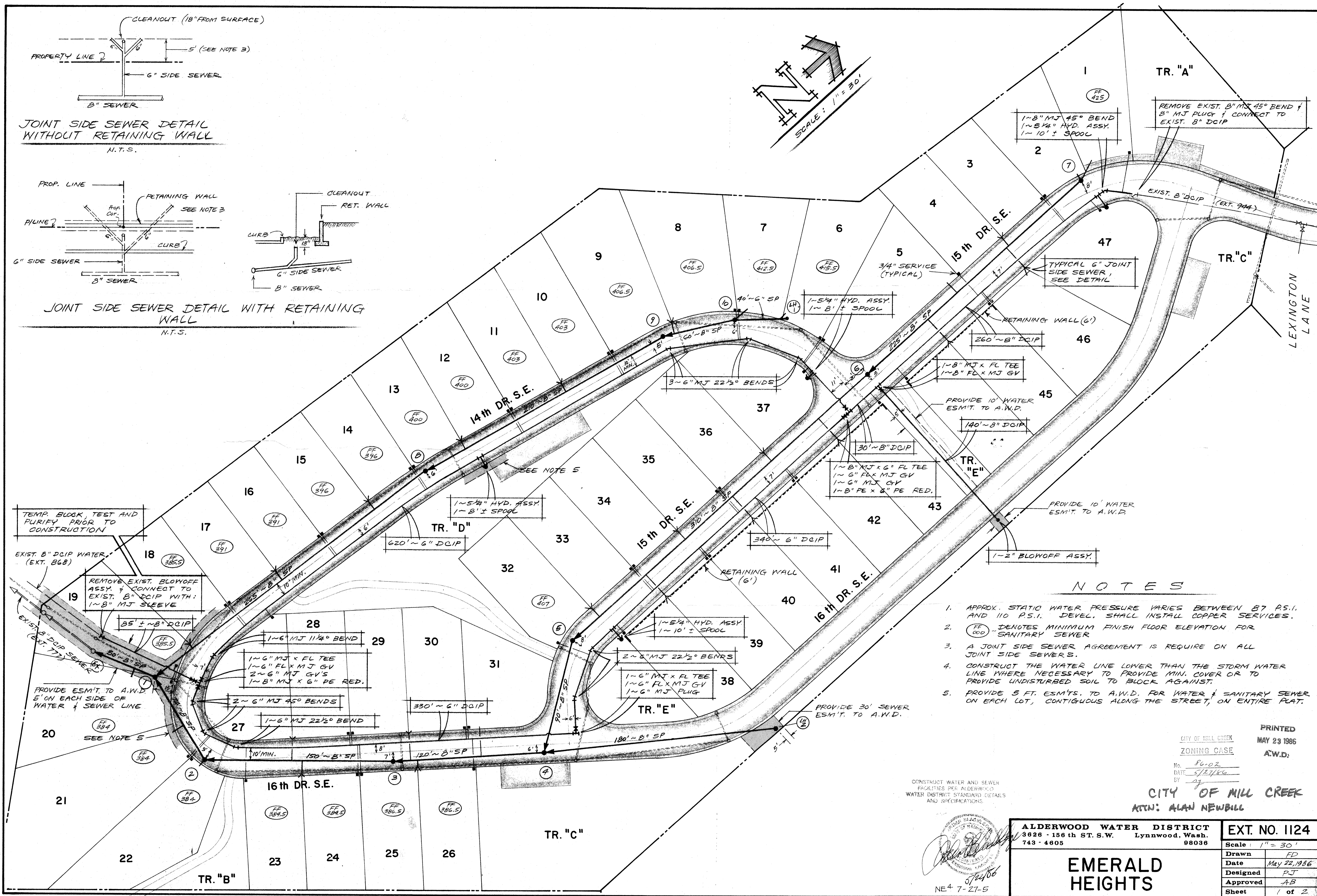
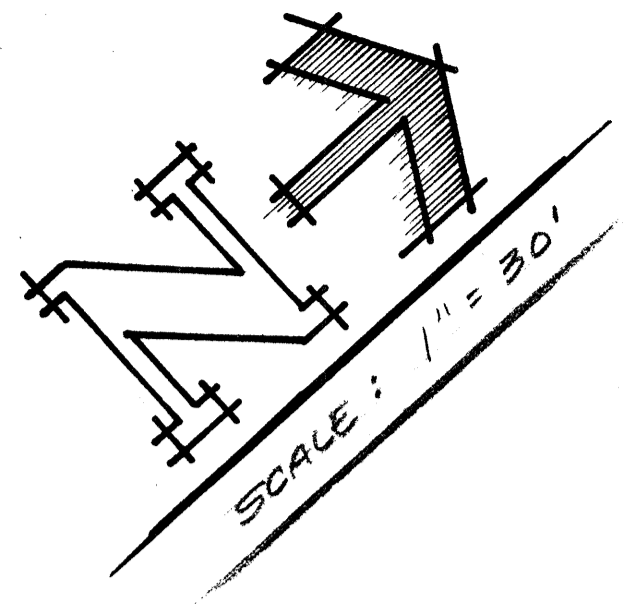


JOINT SIDE SEWER DETAIL WITHOUT RETAINING WALL  
N.T.S.



JOINT SIDE SEWER DETAIL WITH RETAINING WALL  
N.T.S.



NOTES

- APPROX. STATIC WATER PRESSURE VARIES BETWEEN 87 P.S.I. AND 110 P.S.I. DEVEL. SHALL INSTALL COPPER SERVICES.
- FF 000 DENOTES MINIMUM FINISH FLOOR ELEVATION FOR SANITARY SEWER
- A JOINT SIDE SEWER AGREEMENT IS REQUIRED ON ALL JOINT SIDE SEWERS.
- CONSTRUCT THE WATER LINE LOWER THAN THE STORM WATER LINE WHERE NECESSARY TO PROVIDE MIN. COVER OR TO PROVIDE UNDISTURBED SOIL TO BLOCK AGAINST.
- PROVIDE 5 FT. ESMTS. TO A.W.D. FOR WATER & SANITARY SEWER ON EACH LOT, CONTIGUOUS ALONG THE STREET, ON ENTIRE PLAT.

CONSTRUCT WATER AND SEWER FACILITIES PER ALDERWOOD WATER DISTRICT STANDARD DETAILS AND SPECIFICATIONS.

PRINTED  
MAY 23 1986  
A.W.D.

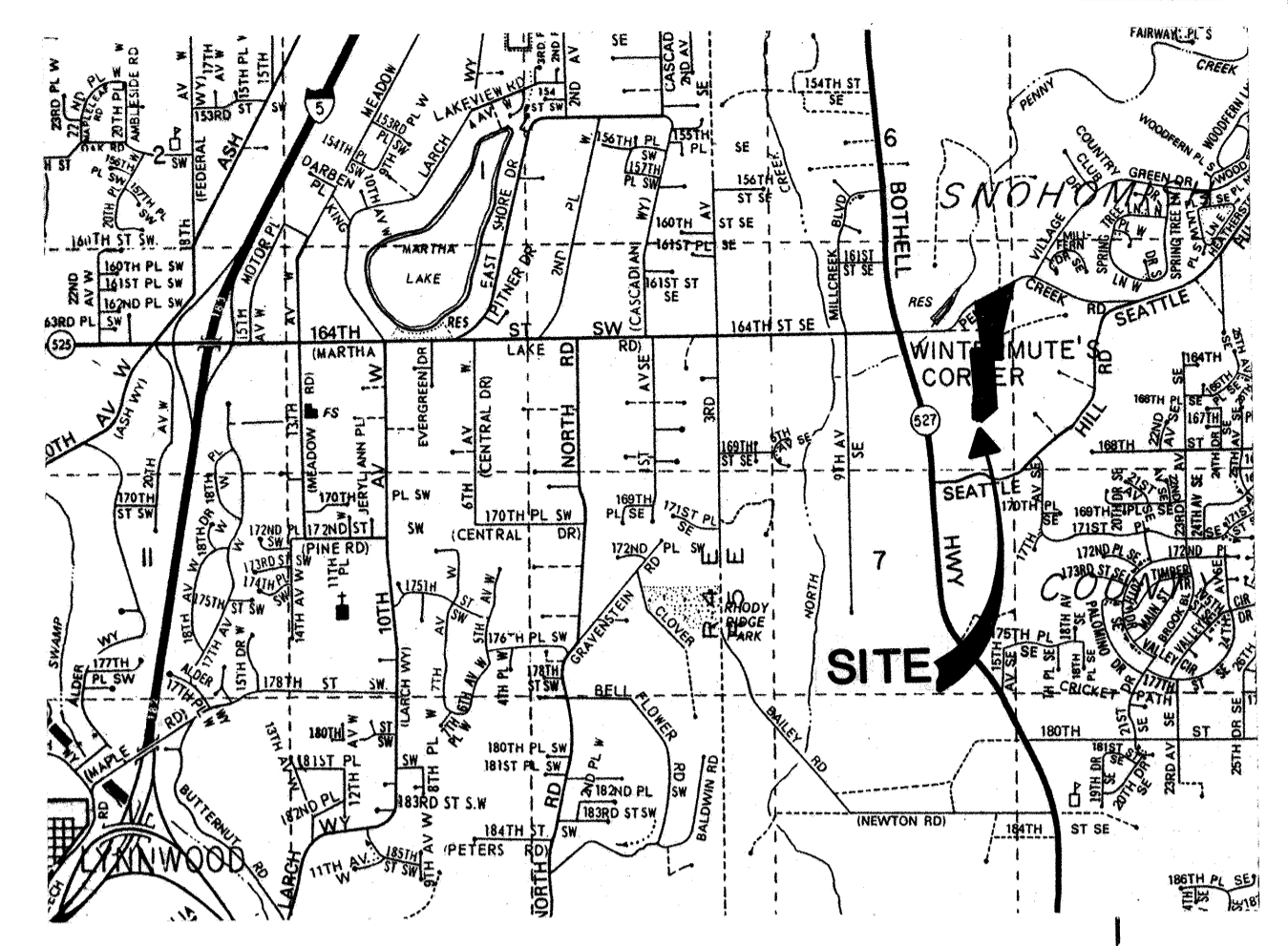
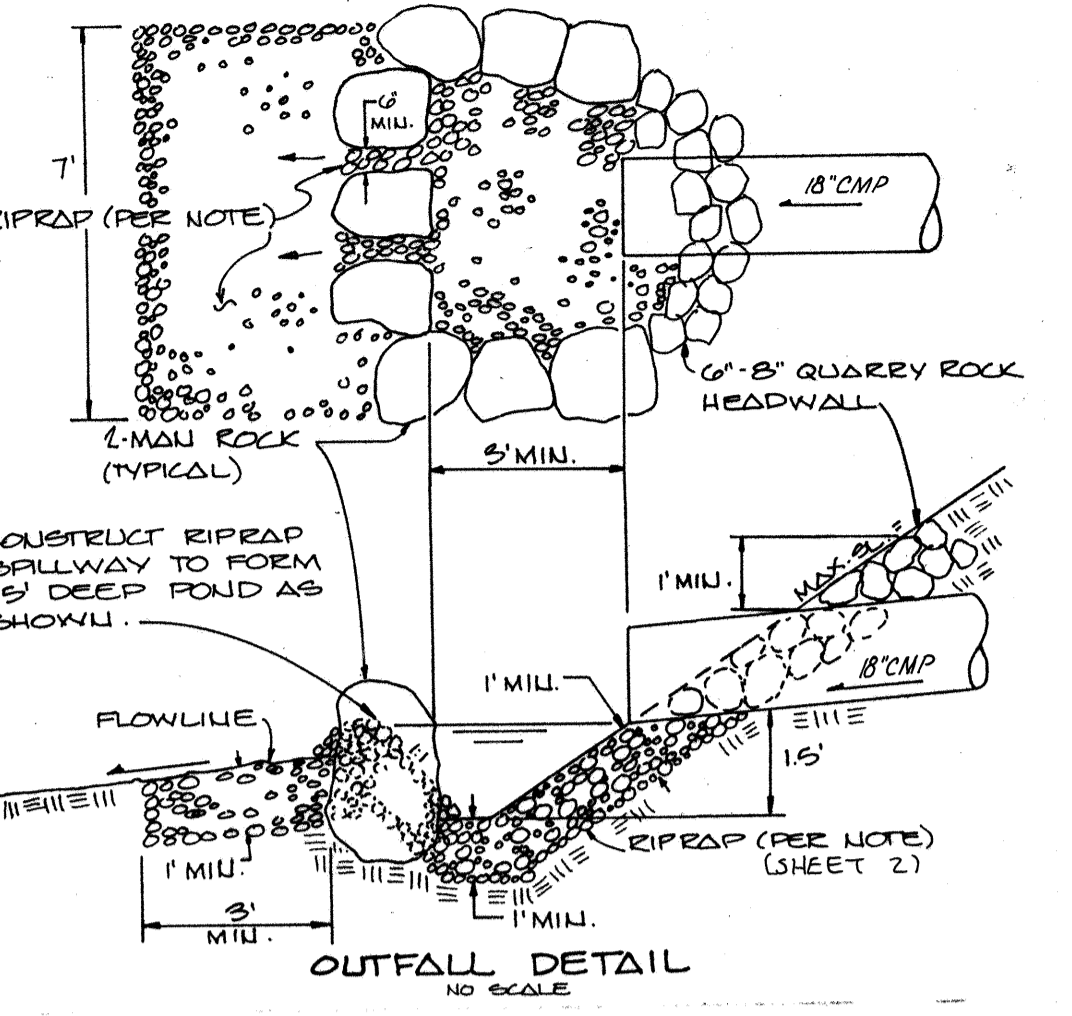
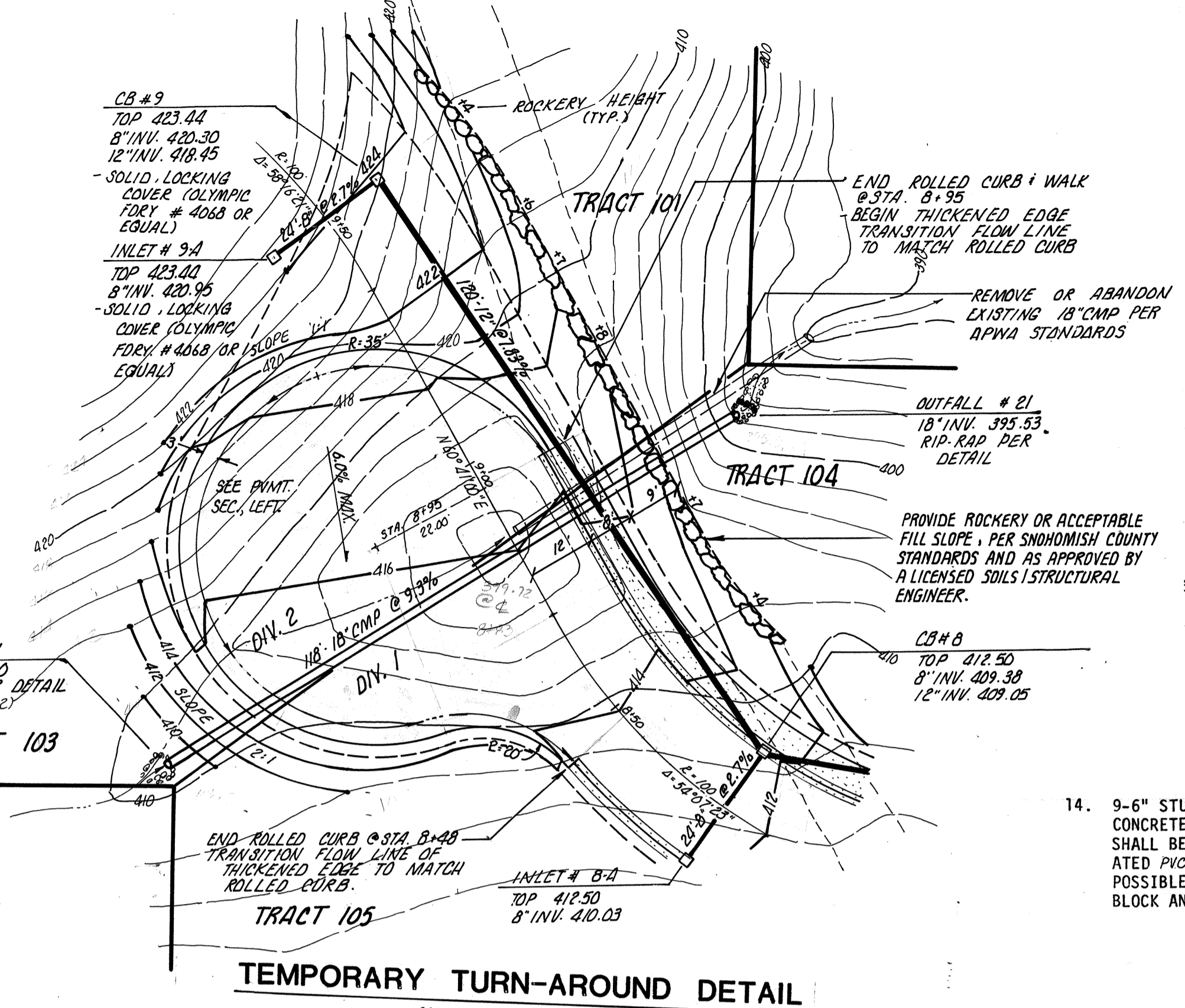
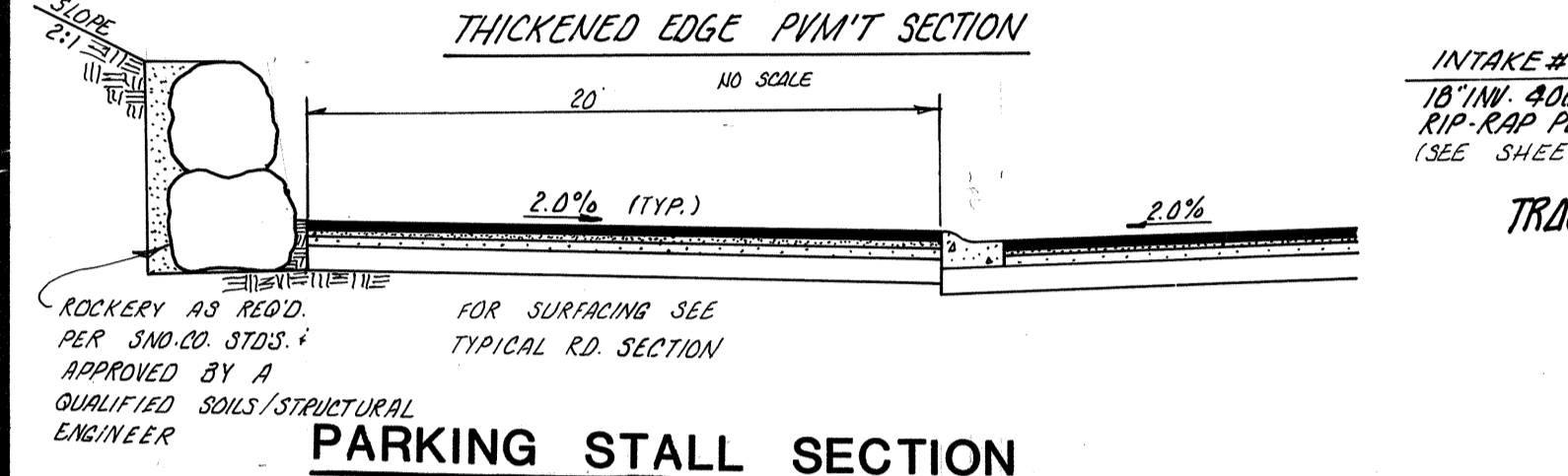
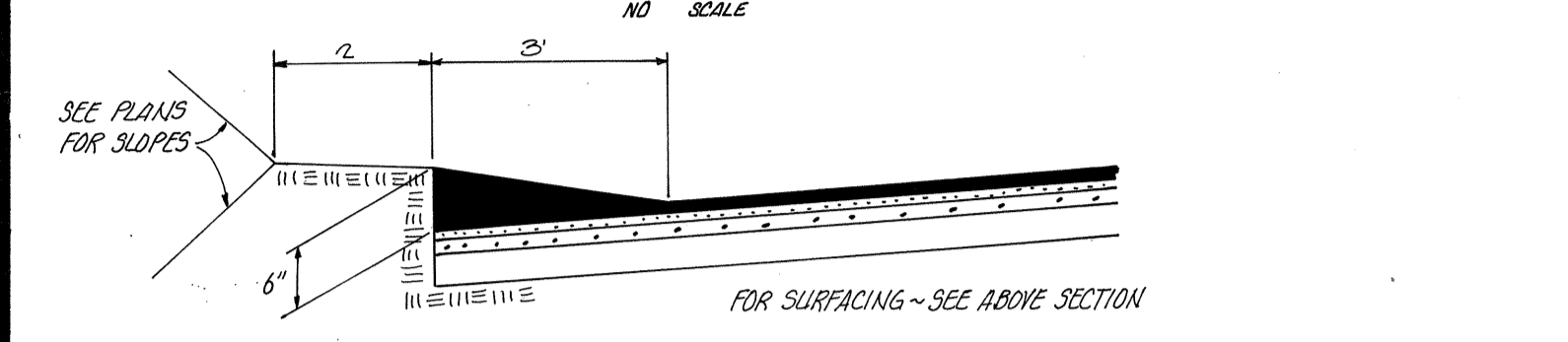
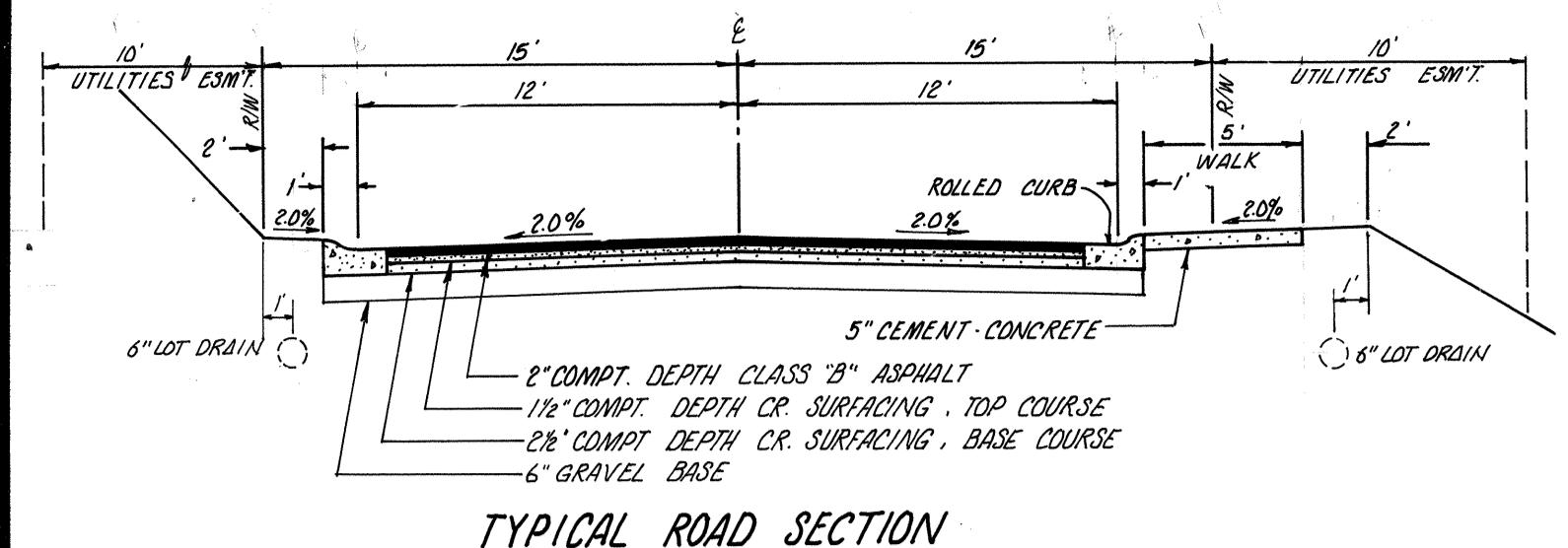
CITY OF MILL CREEK  
ATTN: ALAN NEWBILL

ALDERWOOD WATER DISTRICT  
3626 - 156th ST. S.W. Lynnwood, Wash.  
743 - 4605 98036

EXT. NO. 1124
Scale: 1" = 30'
Drawn: FD
Date: May 22, 1986
Designed: PJ
Approved: AB
Sheet: 1 of 2

NE 4 7-27-5

EMERALD HEIGHTS



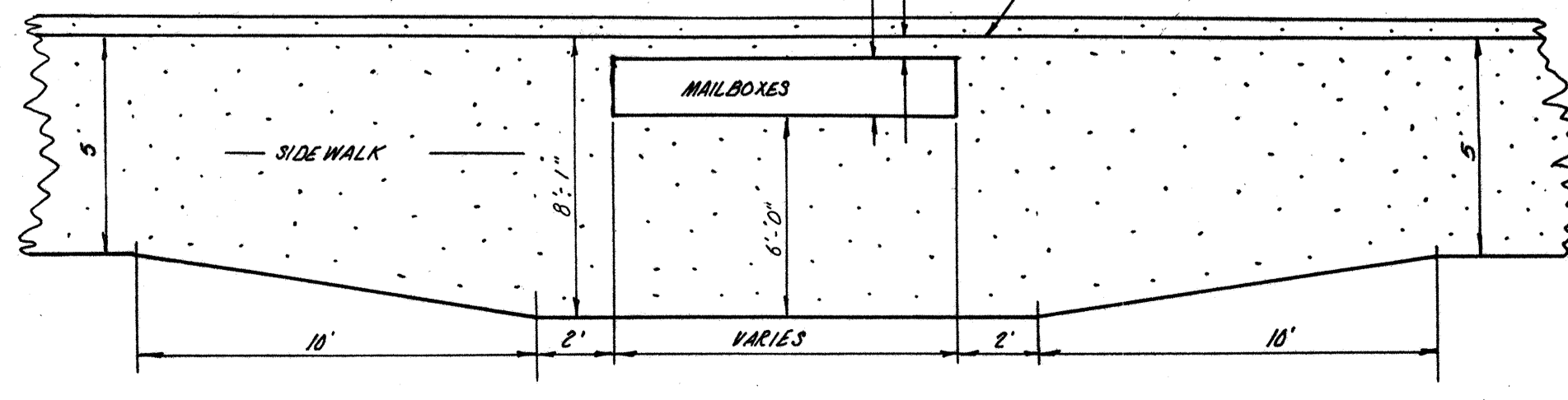
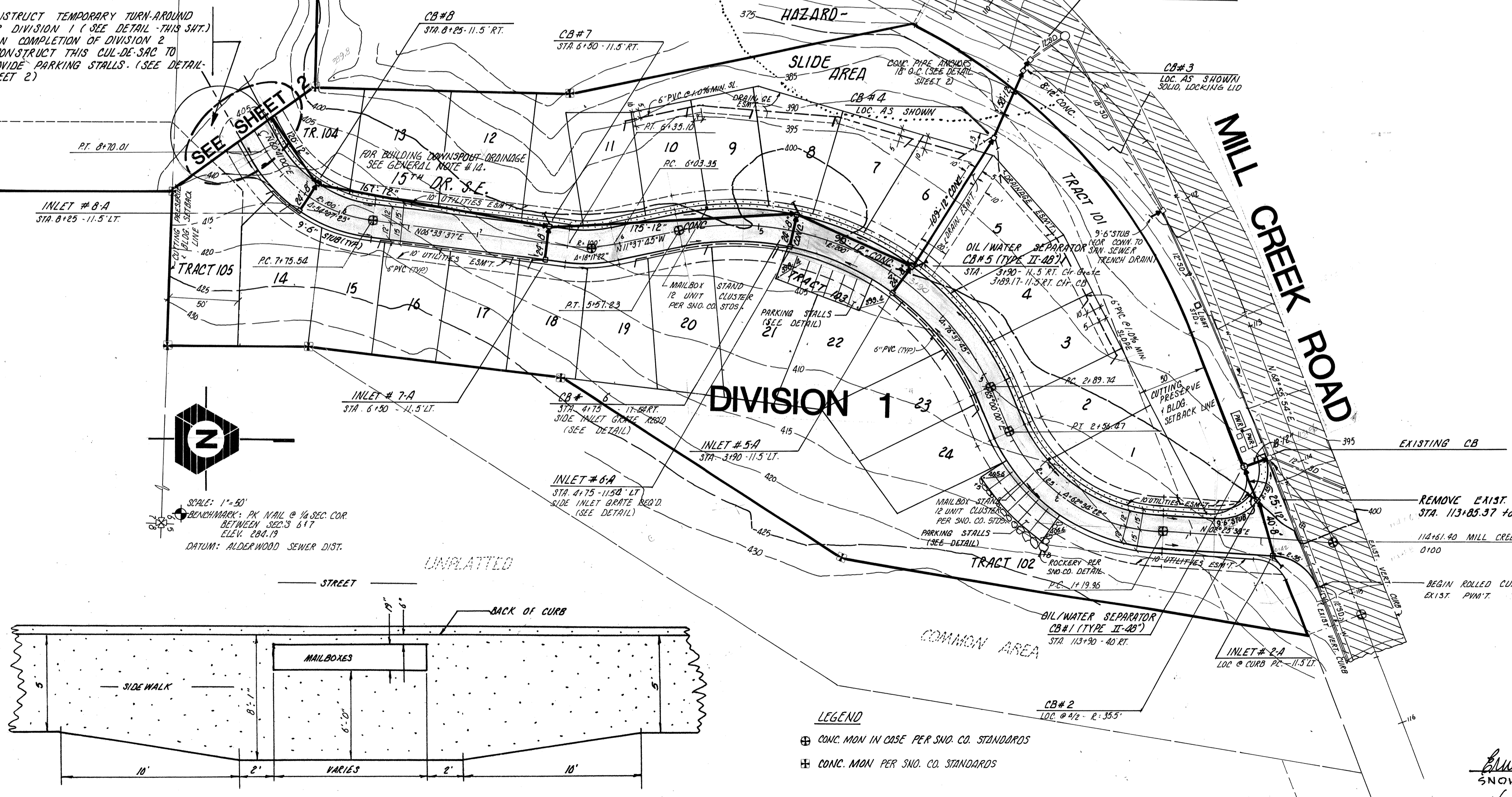
VICINITY MAP  
SCALE: 1" = 1/2 MILE

GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH SNOHOMISH COUNTY STANDARDS AND SPECIFICATIONS.
- APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF LOCATIONS SHOWN AND FOR DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES NOT SHOWN, SO AS TO AVOID DAMAGE OR DISTURBANCE.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY CONSTRUCTION. THE GENERAL CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE WITH SNOHOMISH COUNTY INSPECTION BY PHONING 259-9488. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONTACT THE COUNTY PLAT INSPECTION DEPARTMENT AT LEAST 72 HOURS PRIOR TO ANY REQUIRED INTERMEDIATE INSPECTION.
- THE STORM DRAINAGE SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS WHICH ARE ON FILE IN THE DEPARTMENT OF PUBLIC WORKS CENTRAL RECORDS. ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE WRITTEN APPROVAL FROM SNOHOMISH COUNTY DEPARTMENT OF PUBLIC WORKS. A COPY OF THESE APPROVED PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
- ALL STORM SEWER PIPE 18 INCHES AND SMALLER SHALL BE ASTM C-14 CLASS III, NONREINFORCED BELL AND SPIGOT (WITH BELL REMOVED FROM THE INSIDE OF ALL CATCH BASINS AND INLETS), UNLESS OTHERWISE SPECIFIED. WHERE CONCRETE PIPE IS NOT SPECIFICALLY CALLED OUT, THE STORM SEWER PIPE MAY BE HELICAL CORRUGATED METAL PIPE (14-GAUGE WITHIN R/W AND 16-GAUGE WITHIN EASEMENT), ALUMINUM OR GALVANIZED STEEL. ALL STEEL PIPE SHALL BE ASPHALT TREATMENT 1 COATED. ALL PIPE BEDDING SHALL BE APMA CLASS "C" AND COMPACTION SHALL BE PER APMA SECTION 61-3.08 (1977 APMA STANDARD SPECIFICATIONS).
- ALL TYPE II CATCH BASINS SHALL HAVE LOCKING GRATES.
- ALL CATCH BASINS SHALL BE TYPE I OR TYPE II, PER SNOHOMISH COUNTY ROAD STANDARDS, AS SPECIFIED. ALL INLETS SHALL BE PER SNOHOMISH COUNTY ROAD STANDARDS DRAWING #D-6. ALL CATCH BASIN GRATES SHALL BE PER SNOHOMISH COUNTY STANDARD DRAWING #D-8. THROUGH-CURB INLET FRAMES AND GRATES SHALL BE USED WHERE SPECIFIED AND CONSTRUCTED PER SNOHOMISH COUNTY DETAILS PROVIDED. ALL INLETS, MAN-HOLE, AND CATCH BASIN FRAMES AND GRATES SHALL NOT BE ADJUSTED TO GRADE UNTIL IMMEDIATELY PRIOR TO POURING OF CONCRETE CURBS AND/OR FINAL PAVING.
- ALL CURBS SHALL BE CEMENT CONCRETE ROLLED CURB PER SNOHOMISH COUNTY STANDARD DRAWING NO. D-9.
- COMPACTION OF ALL FILL AREAS SHALL BE PER SNOHOMISH COUNTY SPECIFICATIONS. FILL SHALL BE PROVIDED IN 6-INCH MAXIMUM LIFTS AND SHALL BE COMPACTED TO 95% OF ITS MAXIMUM RELATIVE DENSITY AS DETERMINED BY SECTION 2-03.3 (14)D OF THE WASHINGTON STATE HIGHWAY DEPARTMENT 1976 STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE SILTATION CONTROL SYSTEMS DEPICED ON THE EROSION/SEDIMENTATION CONTROL PLAN 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 THE PROPOSED PROJECT. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY 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 TO PROTECT ADJACENT PROPERTIES. (NOTE: THE TEMPORARY SEDIMENTATION CONTROL DEVICES SHALL BE IN OPERATION PRIOR TO CONSTRUCTION.)
- ALL DISTURBED SURFACES SHALL BE HYDRO-SEEDED TO SNOHOMISH COUNTY STANDARDS UNLESS OTHER EROSION-RESISTANT LANDSCAPING IS IMMEDIATELY PROPOSED. GRASS SEEDING WILL BE DONE USING AN APPROVED TYPE HYDRO-SEEDER OR AS OTHERWISE APPROVED BY THE SNOHOMISH COUNTY DEPARTMENT OF PUBLIC WORKS. THE PERFORMANCE BOND WILL NOT BE RELEASED UNTIL THE GRASS IS ESTABLISHED UNLESS OTHERWISE APPROVED BY THE SNOHOMISH COUNTY DEPARTMENT OF PUBLIC WORKS.
- MAIL BOXES SHALL BE PLACED WHERE SHOWN. BUILDERS OR LOT OWNERS SHALL CONSTRUCT MAIL BOXES PER SNOHOMISH COUNTY STANDARDS.
- PRIOR APPROVAL MUST BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS BEFORE ANY STRUCTURES, FILL OR OBSTRUCTIONS, INCLUDING FENCES, ARE LOCATED WITHIN ANY DRAINAGE EASEMENT.

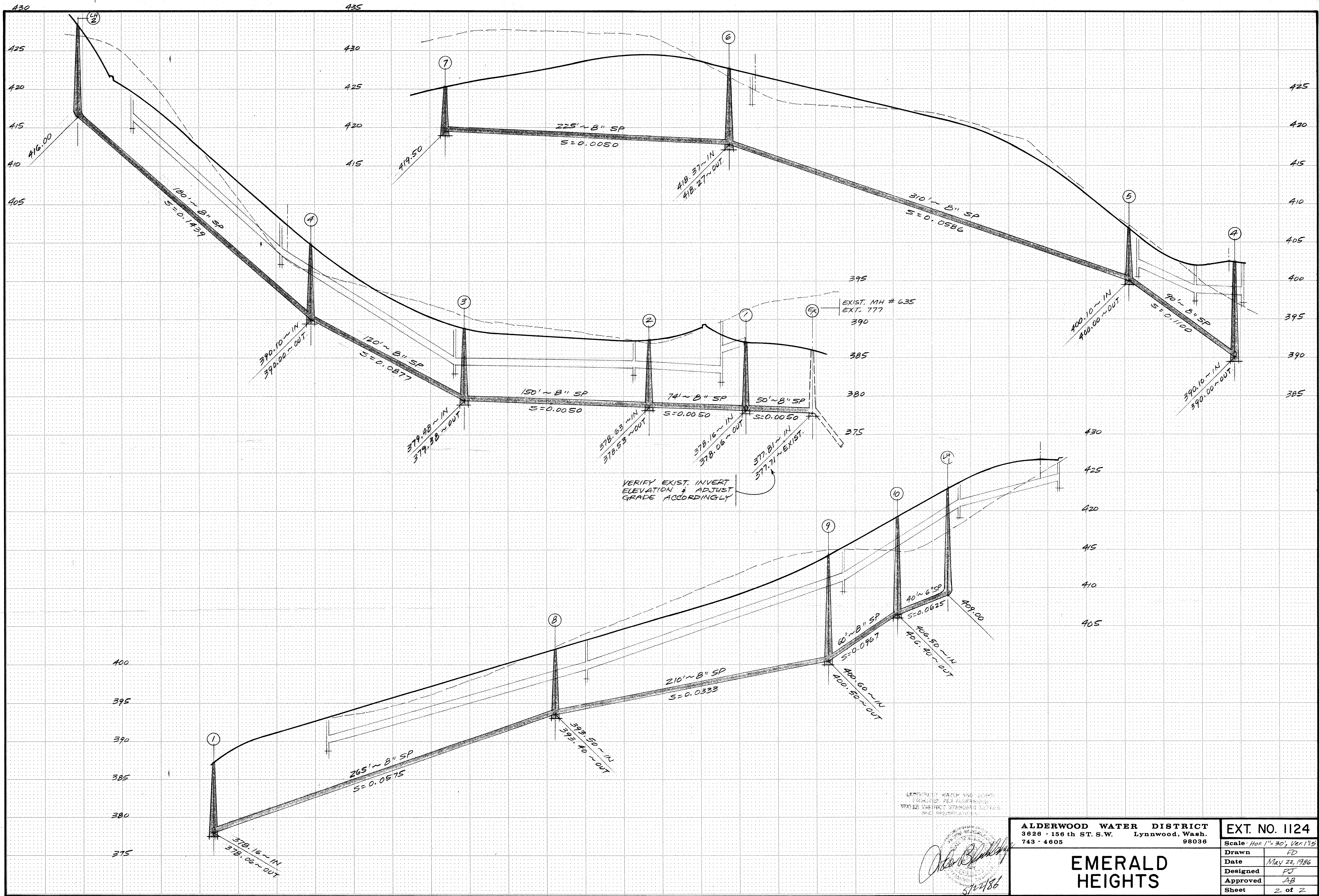
DIVISION 2

CONSTRUCT TEMPORARY TURN-AROUND FOR DIVISION 1 (SEE DETAIL - THIS SHEET) UPON COMPLETION OF DIVISION 2 RECONSTRUCT THIS CUL-DE-SAC TO PROVIDE PARKING STALLS (SEE DETAIL - SHEET 2)



LEGEND  
⊕ CONC. MAN IN CASE PER SNO. CO. STANDARDS  
⊞ CONC. MAN PER SNO. CO. STANDARDS

Approved for G.E. Weed  
SNOHOMISH COUNTY ENGINEER  
12/12/83  
DATE  
Allen Newhill  
CITY OF MILLCREEK - CITY ENGINEER  
12-9-83  
DATE



EMERALD HEIGHTS WATER TREATMENT PLANT  
 3626 - 156th ST. S.W. Lynnwood, Wash.  
 743 - 4605

*John Blum*  
 5/22/86

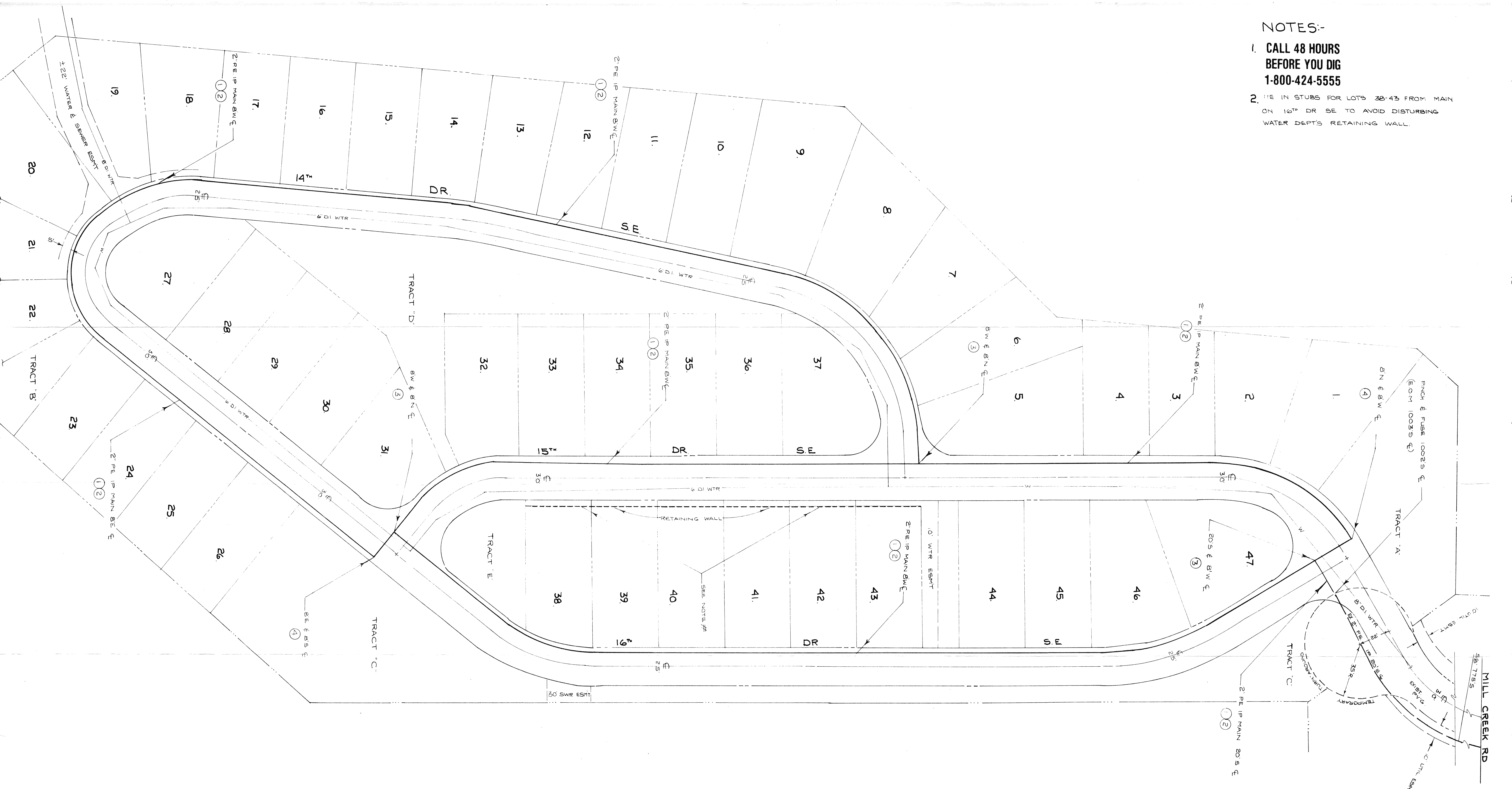
ALDERWOOD WATER DISTRICT  
 3626 - 156th ST. S.W. Lynnwood, Wash.  
 743 - 4605 98036

**EMERALD HEIGHTS**

EXT. NO. 1124
Scale: Hor. 1" = 30', Ver. 1" = 5'
Drawn: FD
Date: May 22, 1986
Designed: PJ
Approved: AB
Sheet: 2 of 2

NOTES:-

1. CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555
2. BE IN STUBS FOR LOTS 38-43 FROM MAIN ON 16<sup>TH</sup> DR SE TO AVOID DISTURBING WATER DEPT'S RETAINING WALL.



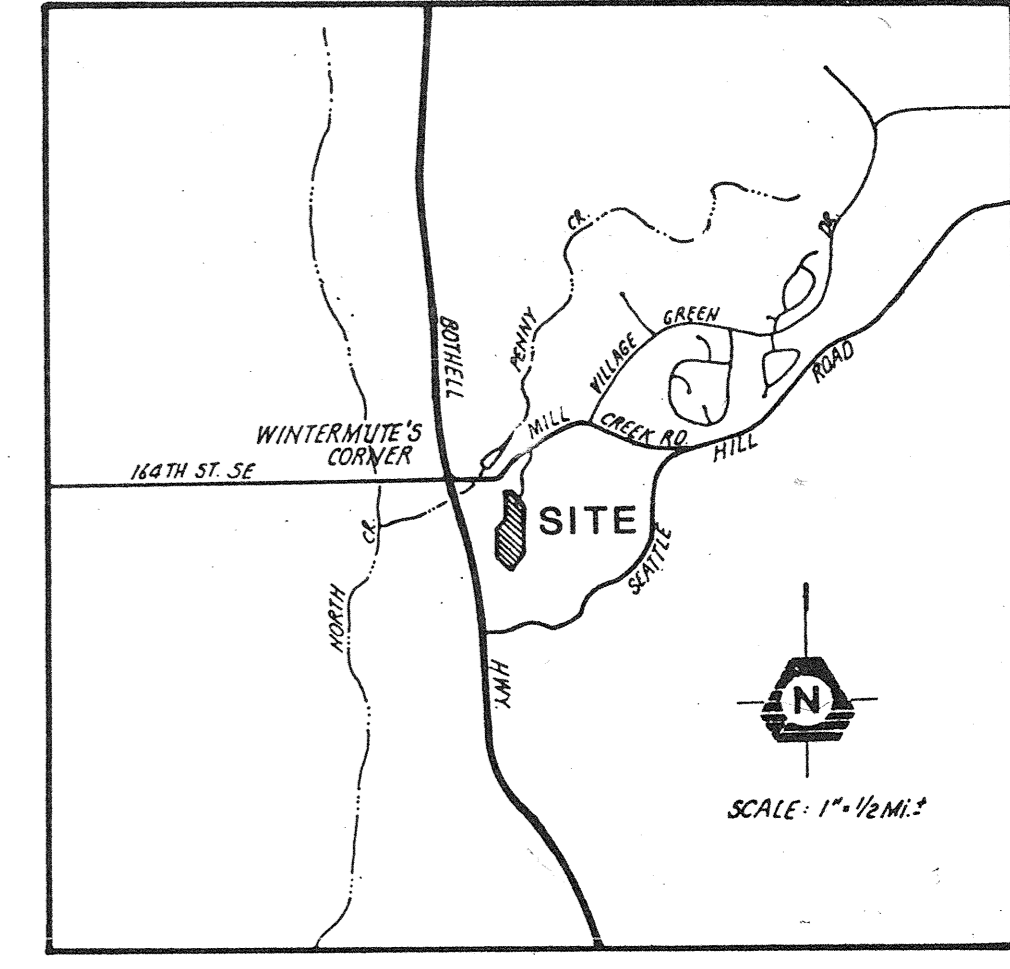
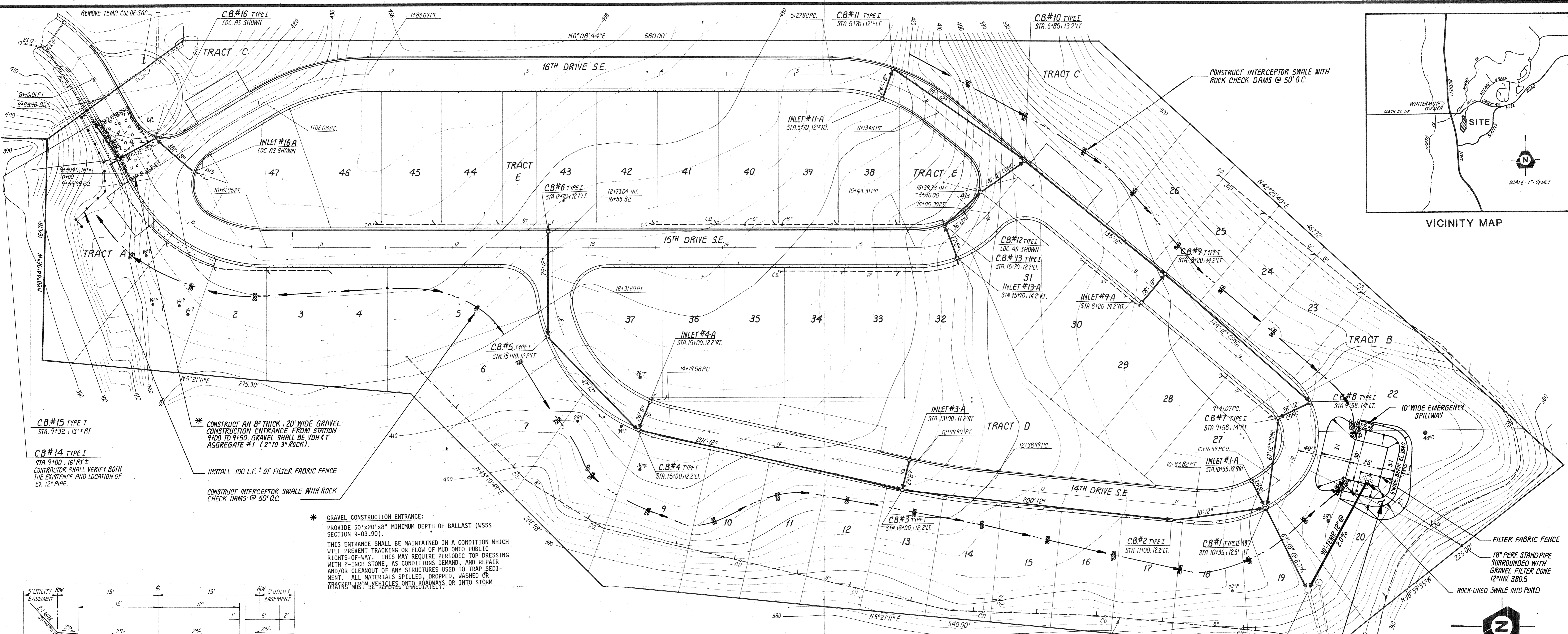
ITEM	QUANT	PRICE	TOTAL
1	2440	#14 DETECTION WIRE	85.940
2	2440	2" PE PIPE	70.260
3	3	2" PE TEE	78.363
4	2	2" PE 90° ELL	60.485
5			
6			
7			

PERMIT MILL CREEK	D.G.R. 08-15-86
TAX CODE 270	1/4 SECT. NE 7-27-5
<b>Washington Natural Gas</b> A Washington Energy Company	AREA OP MAP 156-080
	PLAT NO. 158-081
	SEQ. NO. 003

2 PE IP MAIN EXTENSION		TO SERVE	
EMERALD HEIGHTS			
15 <sup>TH</sup> DR SE & MILL CREEK RD			
DWN. J NAYLOR	07/28/86	IR	RR
CHKD. " " "	7/30/86	JOB	863-269
SCALE 1" = 30'	APP. X	DRAWING	863-269

HDEV-143

BILL OF MATERIAL



**CB#15 TYPE I**  
STA 9+32, 13' RT

**CB#14 TYPE I**  
STA 9+00, 16' RT

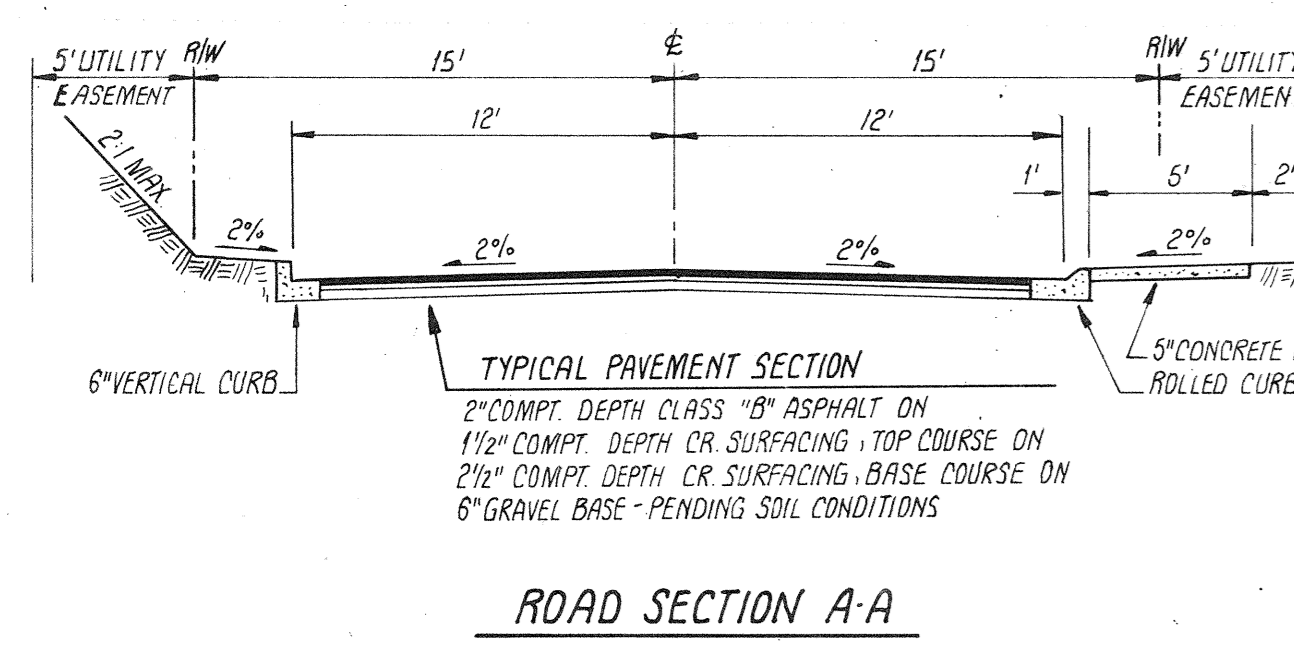
CONTRACTOR SHALL VERIFY BOTH THE EXISTENCE AND LOCATION OF EX. 12" PIPE.

\* CONSTRUCT AN 8" THICK, 20" WIDE GRAVEL CONSTRUCTION ENTRANCE FROM STATION 9+00 TO 9+50. GRAVEL SHALL BE 10# FT AGGREGATE #1 (2" TO 3" ROCK).

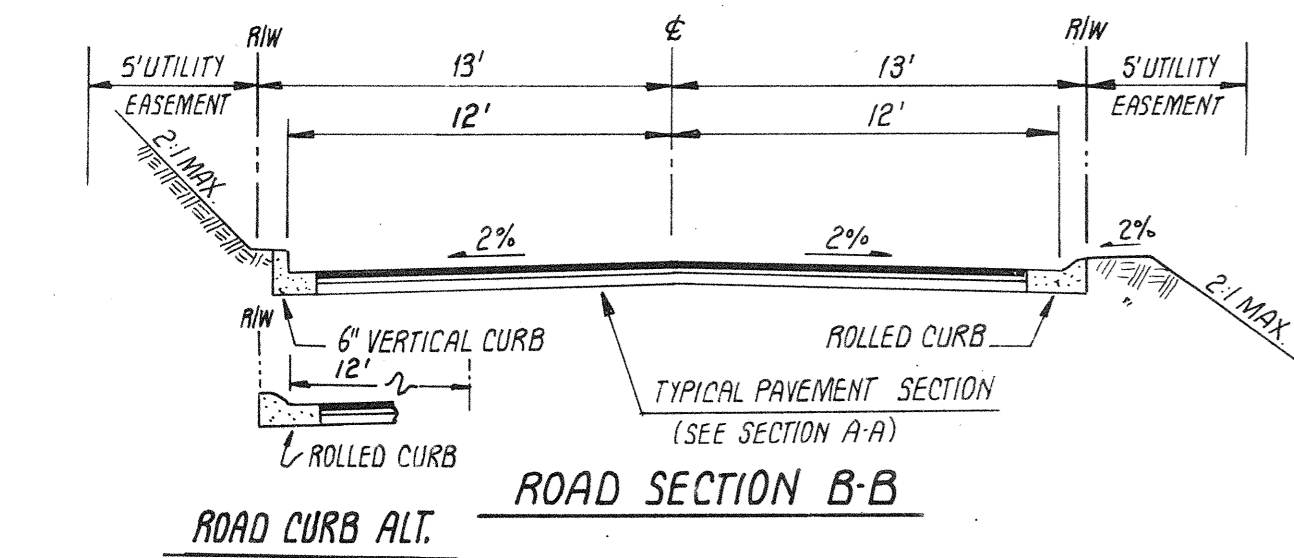
INSTALL 100 L.F. OF FILTER FABRIC FENCE

CONSTRUCT INTERCEPTOR SWALE WITH ROCK CHECK DAMS @ 50' O.C.

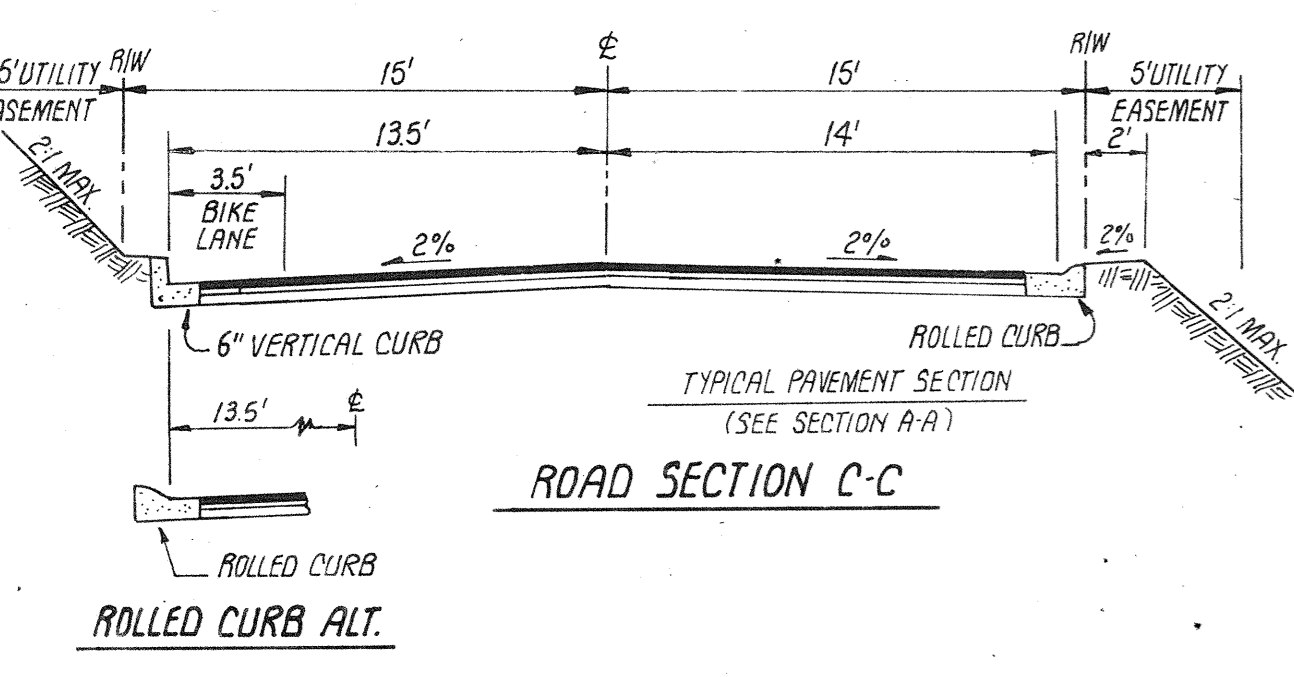
\* GRAVEL CONSTRUCTION ENTRANCE:  
PROVIDE 50"x20"x8" MINIMUM DEPTH OF BALLAST (MSS SECTION 9-03.90).  
THIS ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONE, AS CONDITIONS DEMAND, 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



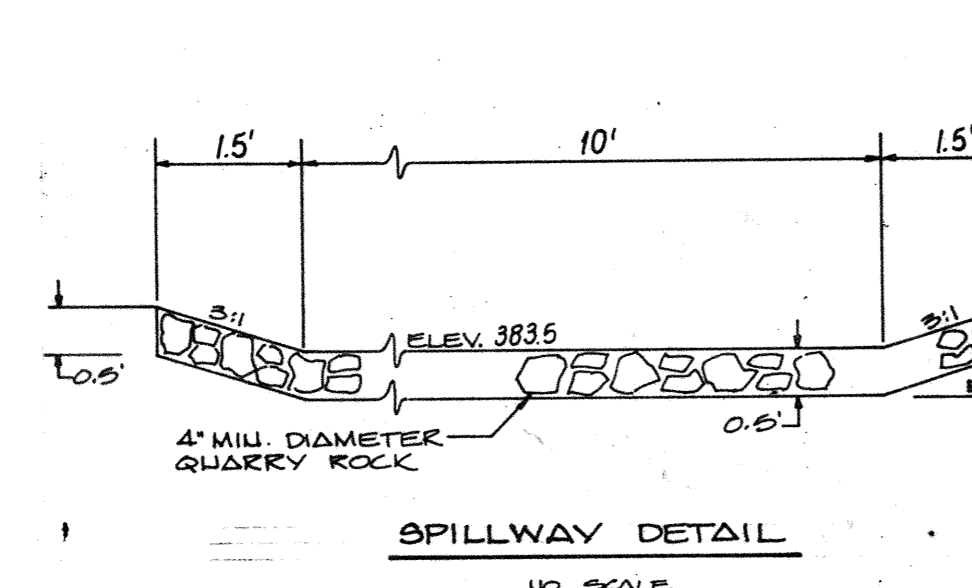
ROAD SECTION A-A



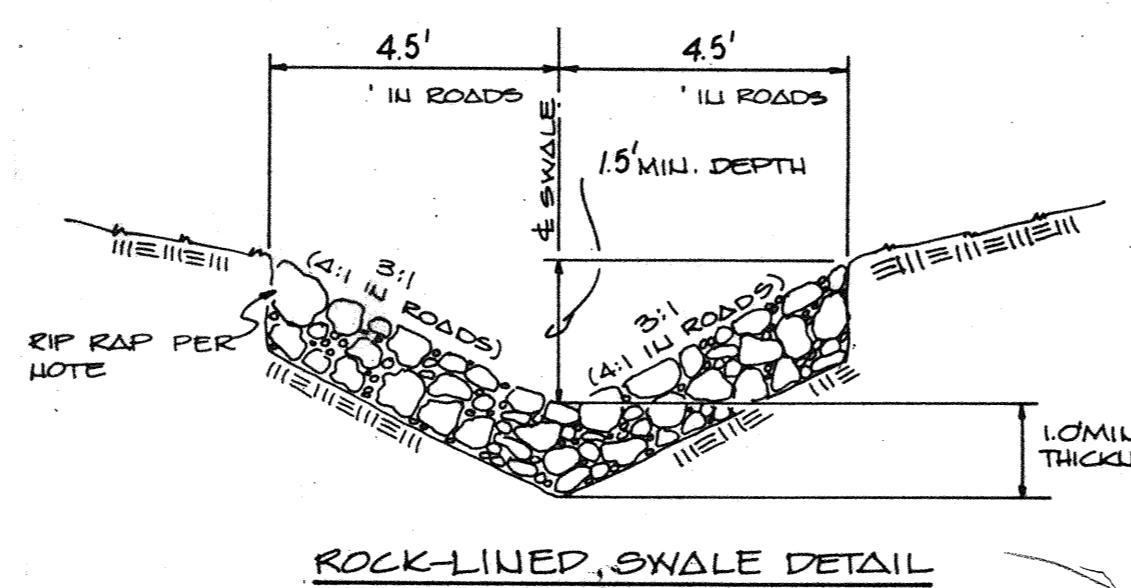
ROAD SECTION B-B



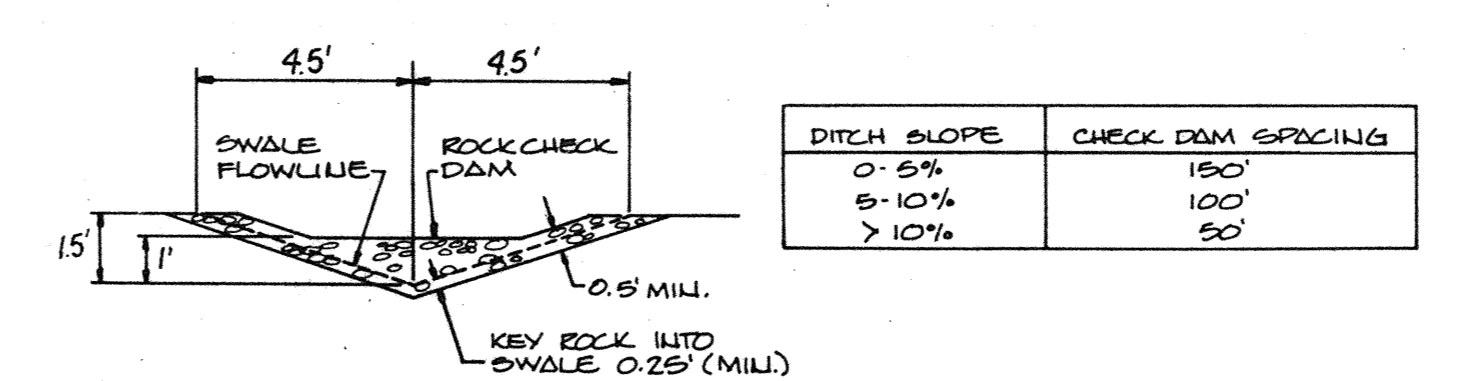
ROAD SECTION C-C



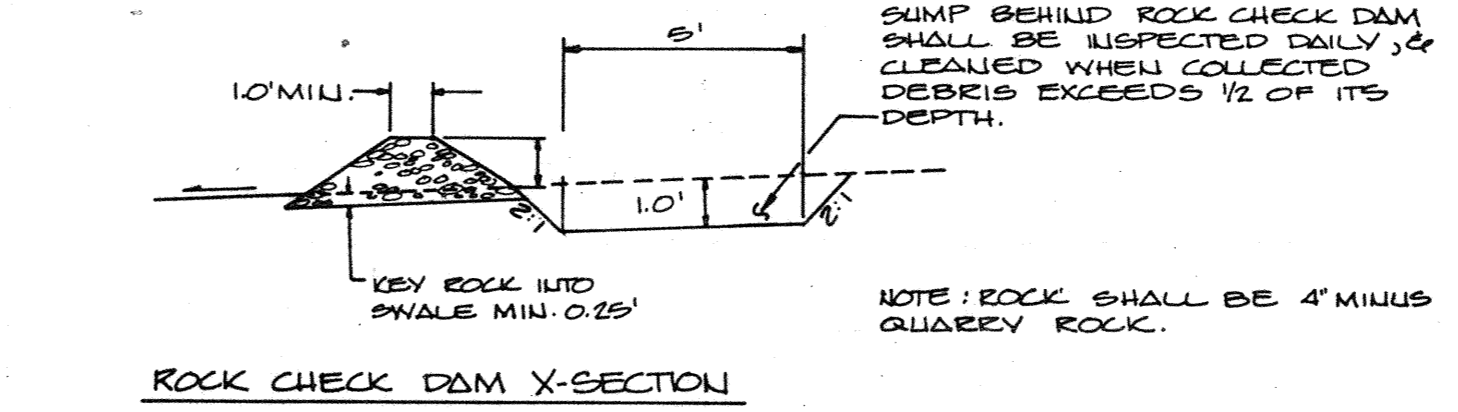
SPILLWAY DETAIL



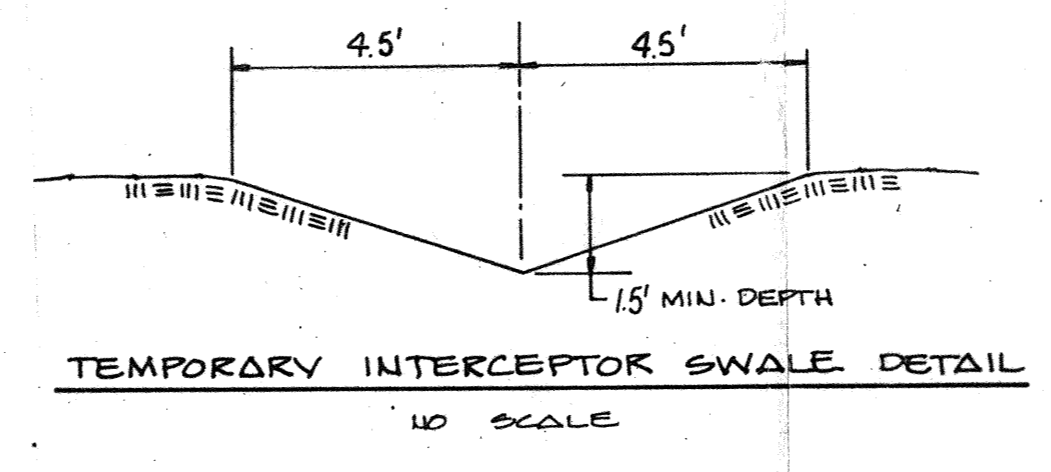
ROCK-LINED SWALE DETAIL



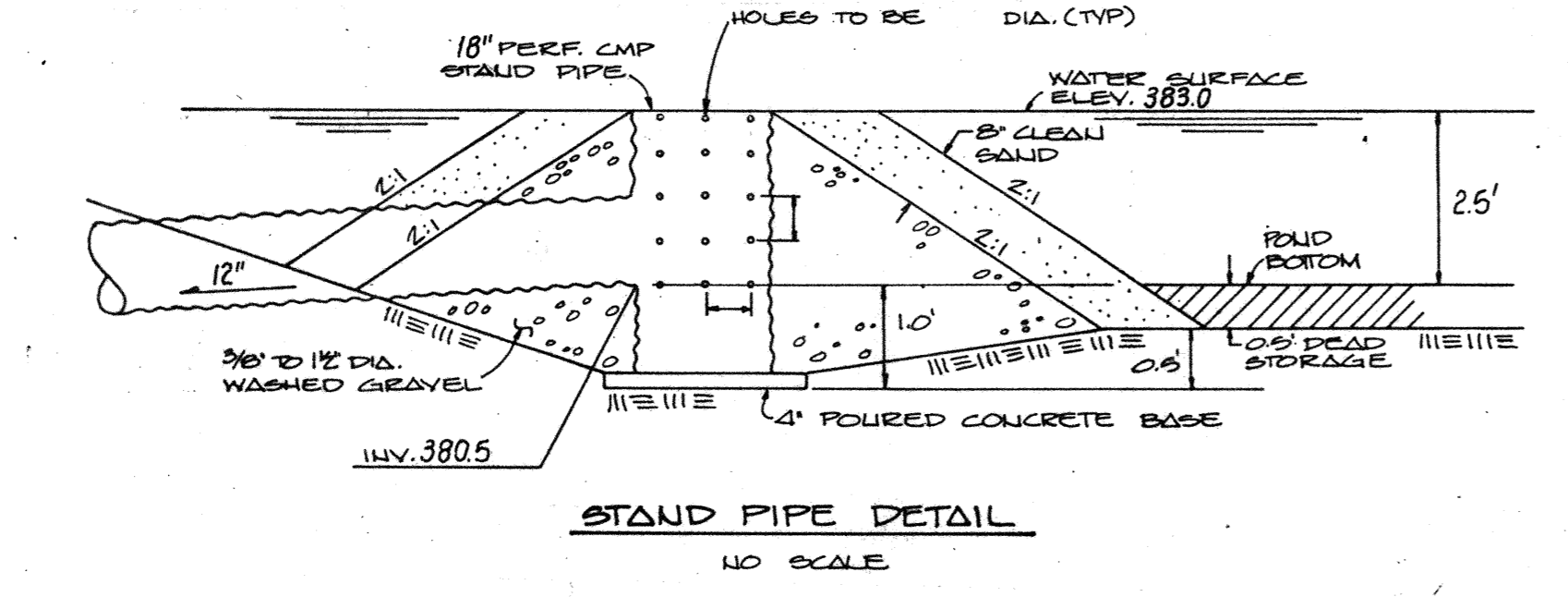
SWALE X-SECTION @ ROCK CHECK DAM



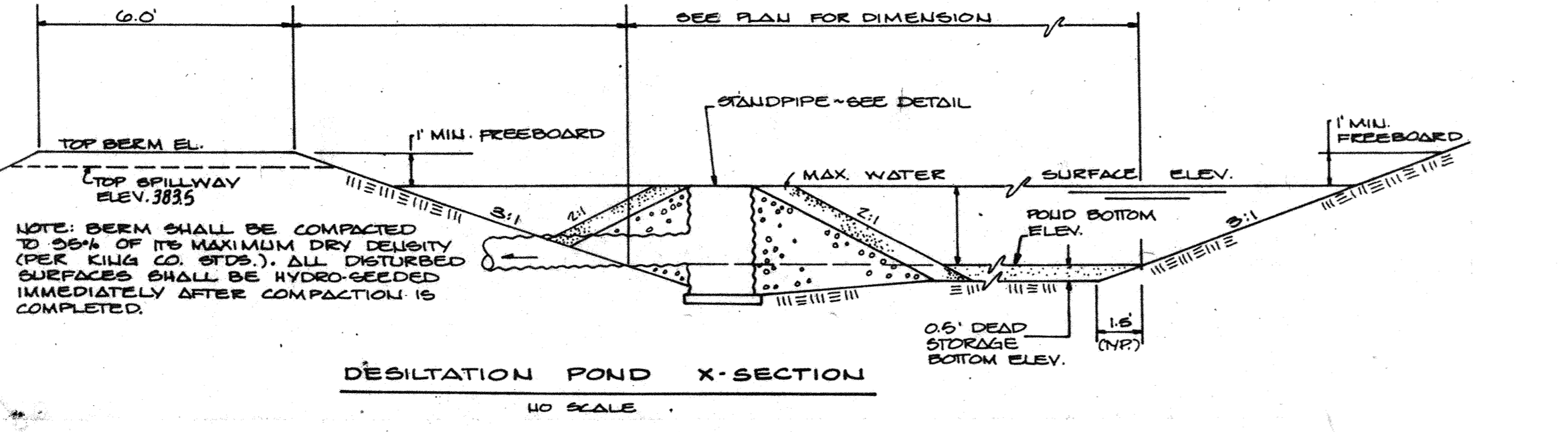
ROCK CHECK DAM X-SECTION



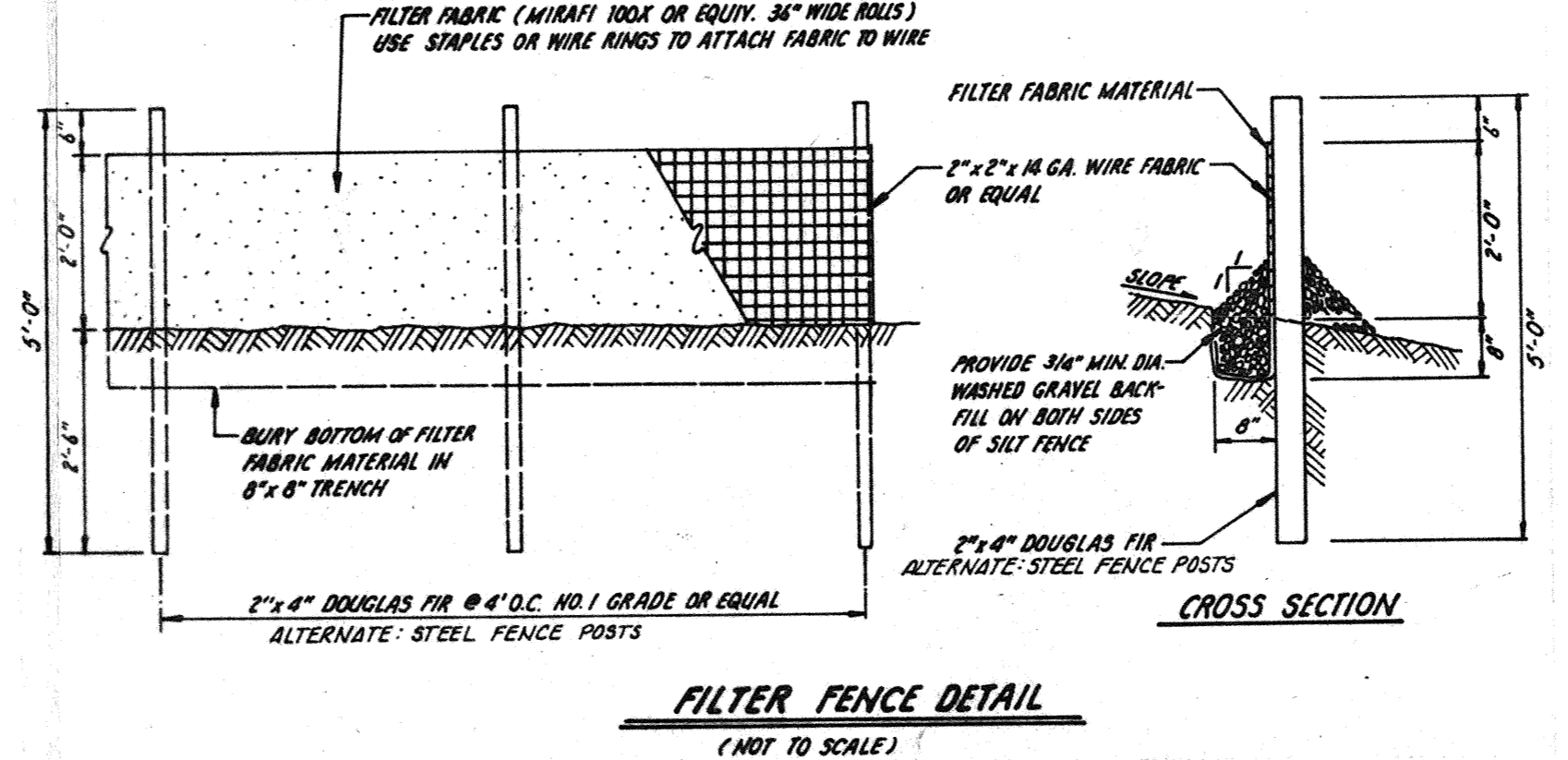
TEMPORARY INTERCEPTOR SWALE DETAIL



STAND PIPE DETAIL



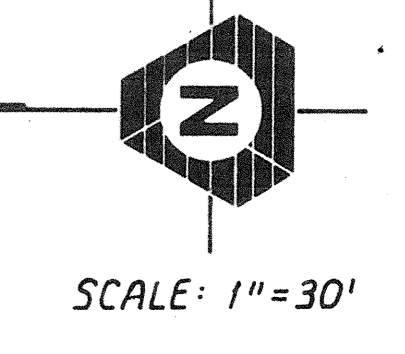
DESILTATION POND X-SECTION



FILTER FENCE DETAIL

- EROSION/SEDIMENTATION CONTROL NOTES:**
- WHERE POSSIBLE, NATURAL VEGETATION SHALL BE MAINTAINED TO MINIMIZE THE POTENTIAL FOR EROSION. ALL LIMITS OF CLEARING, AND GRADING AS DESCRIBED ON THE PLAN, SHALL BE CLEARLY FLAGGED IN THE FIELD.
  - ALL REQUIRED EROSION/SEDIMENTATION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION, PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION, TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. ALL EROSION/SEDIMENTATION CONTROL FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT AND ADDITIONS TO THE EROSION/SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
  - THE EROSION/SEDIMENTATION CONTROL SYSTEMS DEPICTED ON THIS DRAWING ARE INTENDED TO BE MINIMUM REQUIREMENTS SATISFYING ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, MORE EROSION/SEDIMENTATION CONTROL FACILITIES MAY BE REQUIRED TO INSURE COMPLETE SILTATION CONTROL OF THE DISTURBED SITE. THEREFORE, DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITTEE 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 TO PROTECT ADJACENT PROPERTIES AND THE WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEMS.
  - APPROVAL OF THIS PLAN IS FOR THE EROSION/SEDIMENTATION CONTROL SYSTEM ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF THE STORM DRAINAGE DESIGN DEPICTED ON THE PERMANENT ROAD AND STORM DRAINAGE PLAN.
  - ALL AREAS, WHICH HAVE BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING OR OTHER APPROVED EROSION CONTROL TREATMENT, APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THRU SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED, HOWEVER, WHENEVER IT IS IN THE INTEREST OF THE PERMITTEE, BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER APPROVED TREATMENT OUTSIDE THE SPECIFIED TIME PERIOD. AN ACCEPTABLE SEED MIXTURE IS:  
20% ANNUAL, PERENNIAL OR HYBRID RYEGRASS  
40% CREEPING RED FESCUE, AND  
40% WHITE CLOVER  
APPLY AT 80 LBS/ACRE WITH 400 LBS/ACRE OF 10-20-20 FERTILIZER.
  - THE PERMANENT STORM DRAINAGE SYSTEM SHALL BE CLEANED OF ALL DEBRIS PRIOR TO ACCEPTANCE OF CONSTRUCTION.
  - A COPY OF THESE APPROVED PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.

**DESILTATION POND**  
TOP EL. 384.0  
M.W.S. EL. 383.0  
BOTTOM EL. 380.0  
VOLUME: 3000 CU. FT. ±

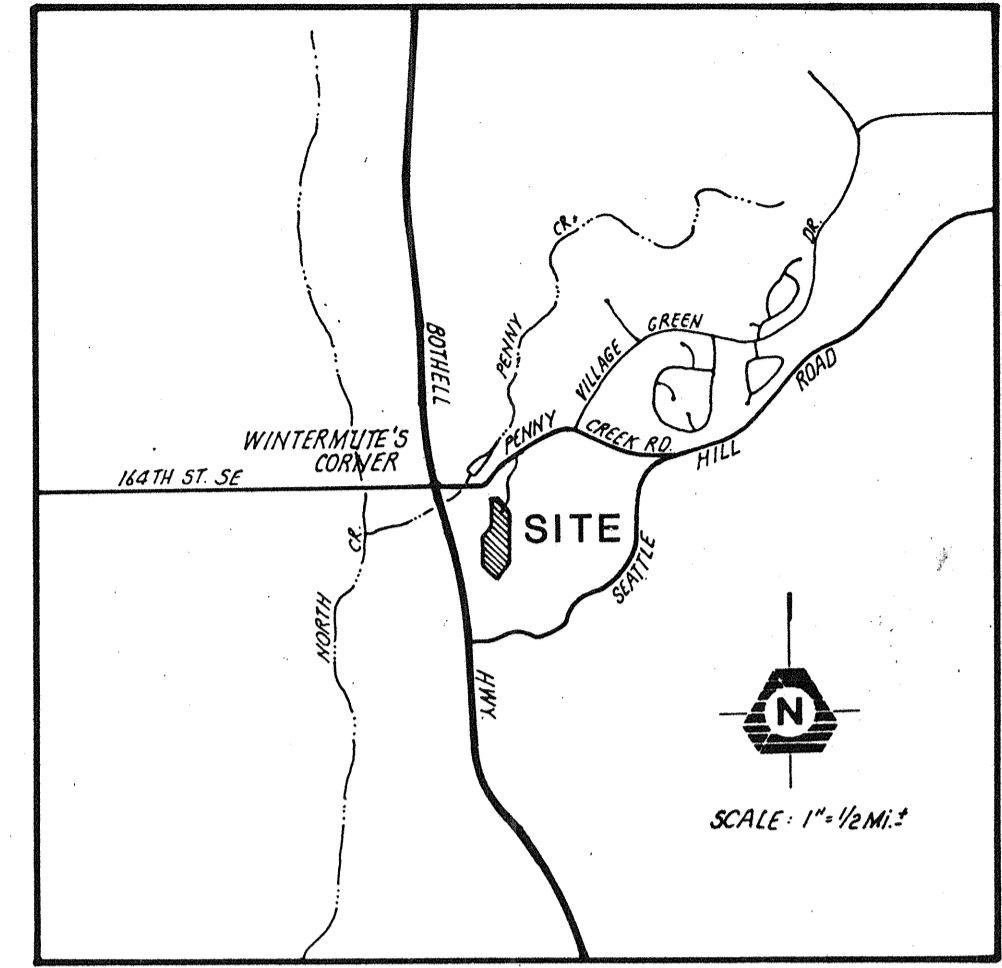


**TRIAD ASSOCIATES**  
 ENGINEERING SURVEYING PLANNING  
 11415 N.E. 228th St. • Kirkland WA 98034 • (206) 827-1848

**EROSION/SEDIMENTATION CONTROL PLAN**  
**EMERALD HEIGHTS**  
 CITY OF MILL CREEK, WASHINGTON

SHEET 1  
 REVISIONS  
 Date: 3/12/06  
 Designed: D.H.  
 Drawn: D.H.  
 Checked: ALAN D. FURE, P.E.  
 Project Manager:

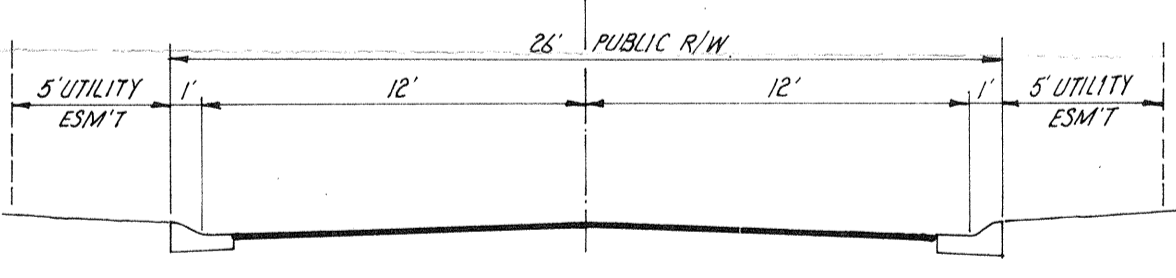
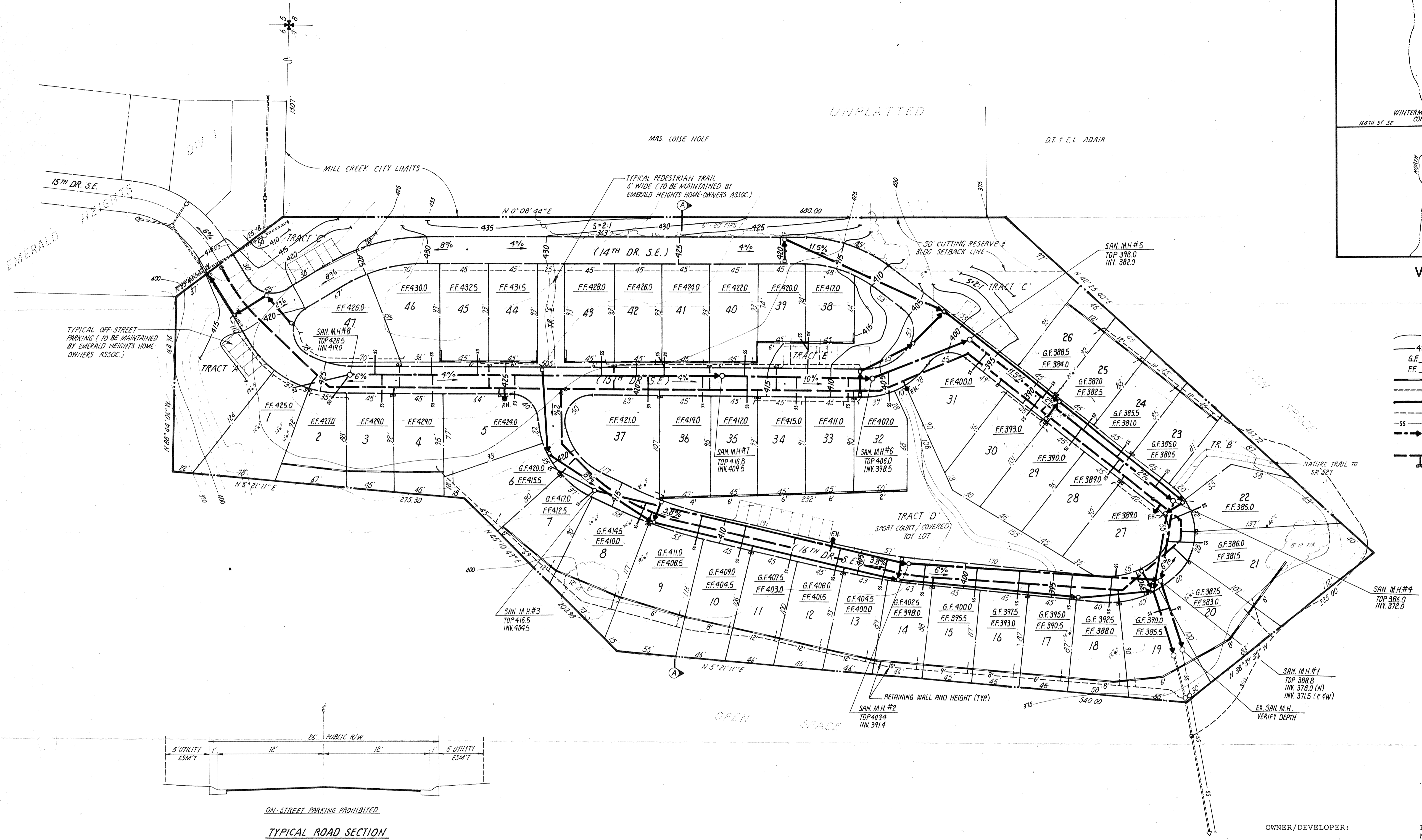
JOB NO.  
**85-319**



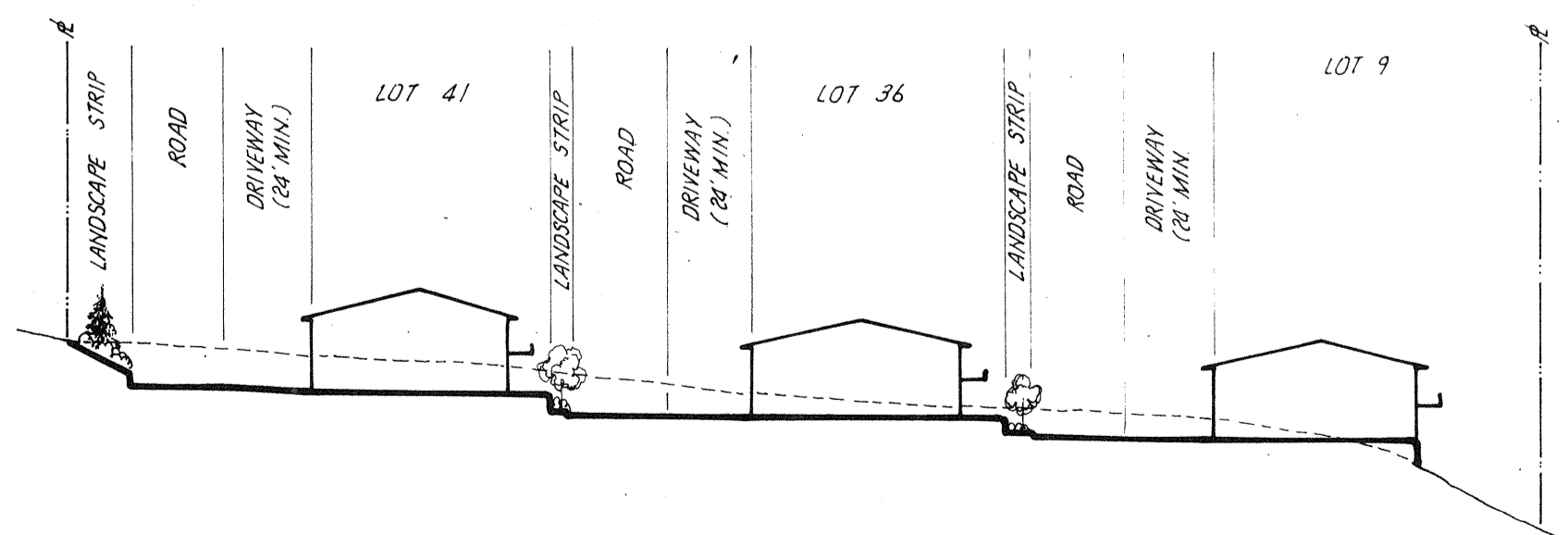
VICINITY MAP

LEGEND

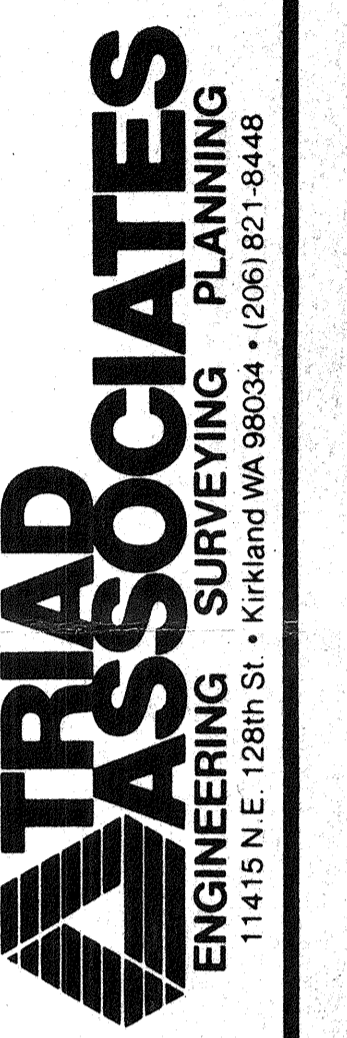
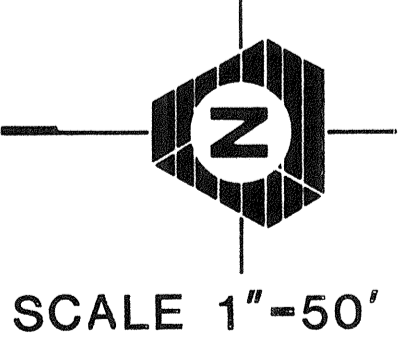
- 425 --- EXISTING CONTOUR
- PROPOSED FINISH GRADE CONTOUR
- GF --- PROPOSED GARAGE FLOOR ELEVATION
- FF --- PROPOSED FIRST FLOOR ELEVATION
- 8' --- PROPOSED RETAINING WALL AND HEIGHT
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN AND CATCH BASIN
- PROPOSED ROOF AND FOOTING DRAIN COLLECTOR PIPE
- SS --- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER AND MANHOLE
- PROPOSED SANITARY SIDE SEWER
- PROPOSED WATER MAIN AND GATE VALVE
- PROPOSED WATER METER / SERVICE
- FH --- PROPOSED FIRE HYDRANT



TYPICAL ROAD SECTION  
N.T.S.



SECTION A-A  
SCALE: 1"=50' H.F.F.



PRELIMINARY GRADING, DRAINAGE AND UTILITY PLAN  
**EMERALD HEIGHTS**  
 CITY OF MILL CREEK, WASHINGTON

OWNER/DEVELOPER: Pacific Community Builders, Inc.  
 Mill Creek City Center  
 16000 Bothell-Everett Hwy., Suite 130  
 Mill Creek, Washington 98012-5857

ENGINEER: Triad Associates  
 11415 N.E. 128th Street  
 Kirkland, Washington 98034  
 PHONE: (206) 821-8448

ACREAGE: ±8.26 Ac

EXISTING ZONING: PRD - 9 D.U.'s/Ac.

NO. OF UNITS: 47 (Avg. Lot Size = ±4798 Sq. Ft.)

WATER/SEWER: Alderwood Water District

FIRE: Snohomish County Dist. No. 7

POWER: Snohomish County P.U.D.

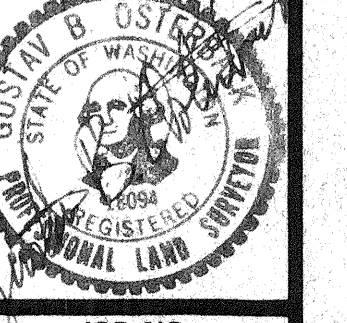
TELEPHONE: General Telephone

SCHOOL: Everett School District #2

LEGAL DESCRIPTION:  
 Parcel "B" per large Tract Segregation LTS 21-81 as filed for record under Volume 15 of Surveys at page 56 per records of Snohomish County Excepting therefrom that portion platted as Emerald Heights Div. 1 recorded in Volume 46 of Plats and pages 214 & 215 records of Snohomish County.

Date: FEB. 12, 1986  
 Designed: D.B.H.  
 Drawn: D.B.H.  
 Checked: ALAN D. BEICE, P.E.  
 Project Manager

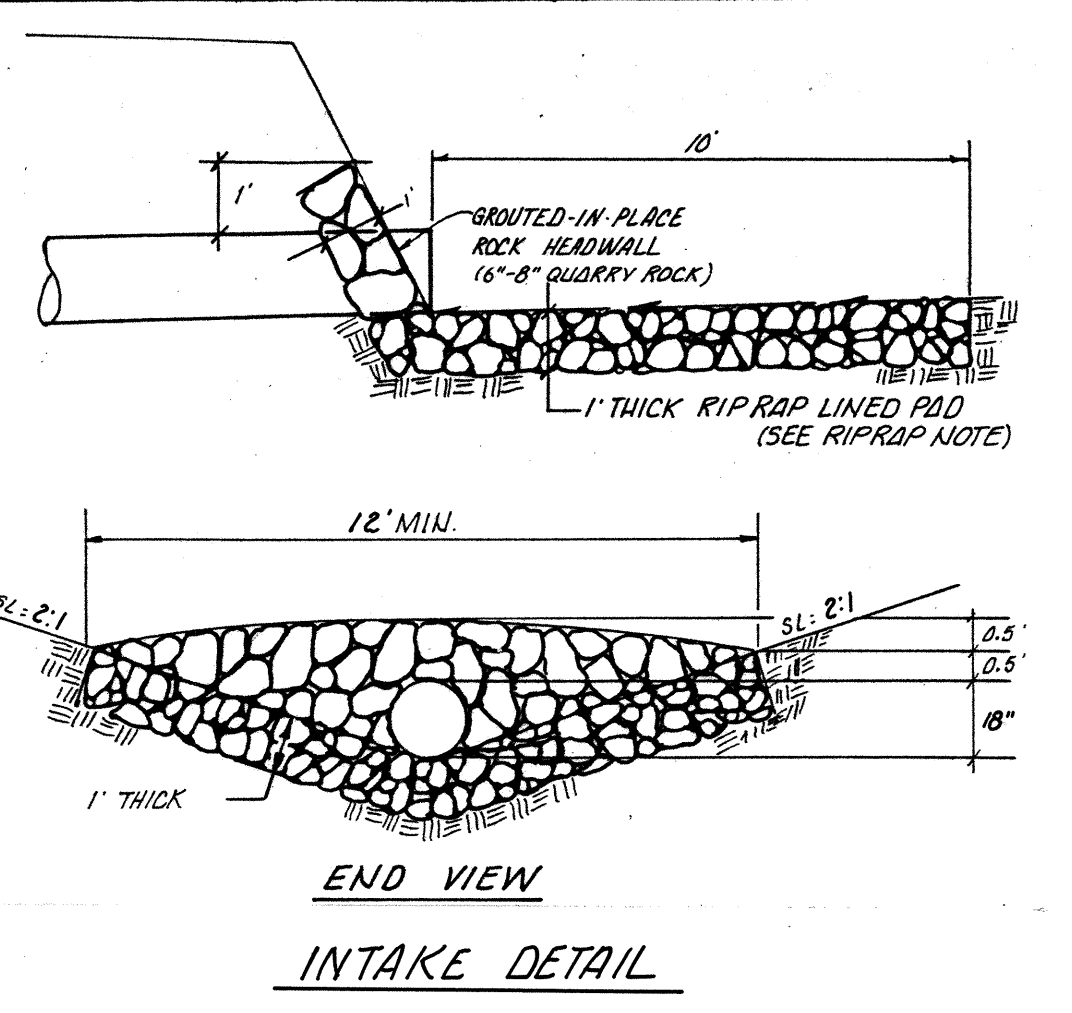
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 FEB 14 1986



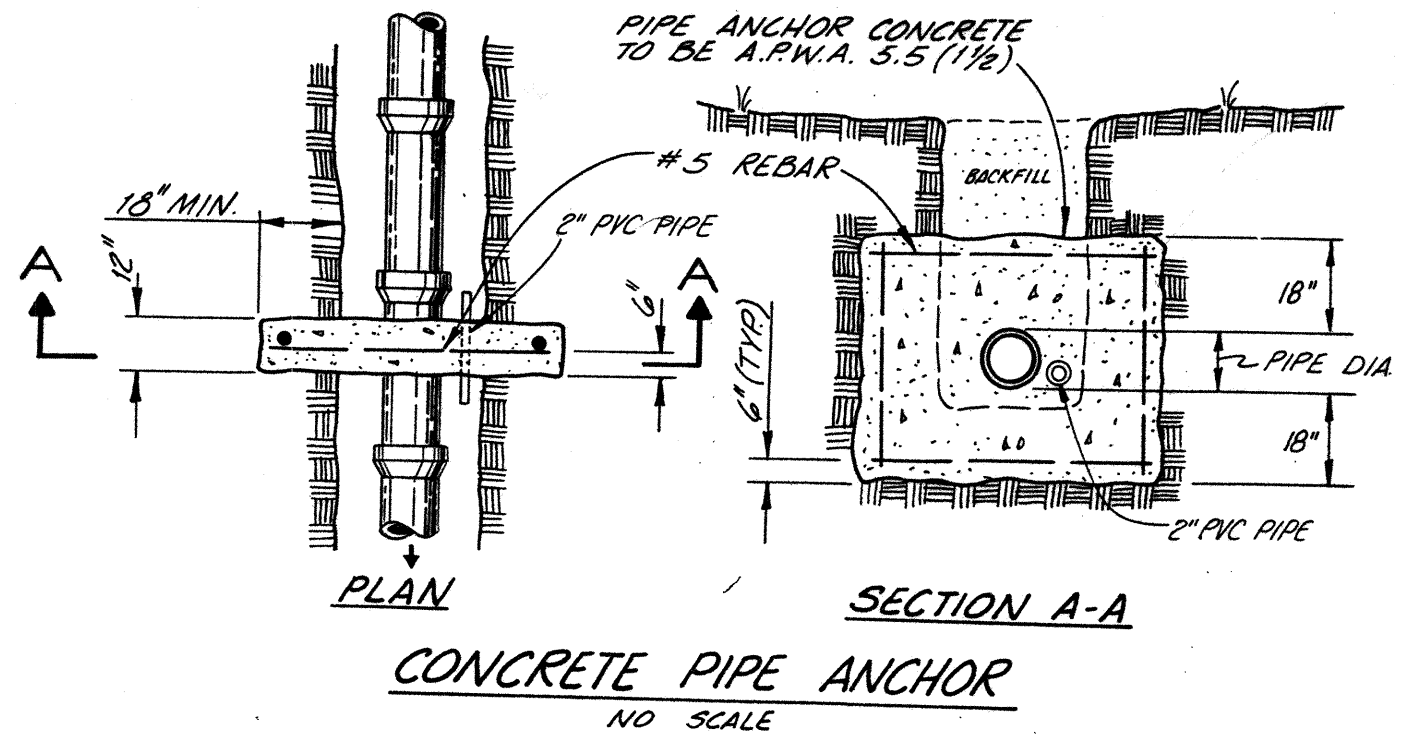
RECEIVED

EEB 2 5 1986 86-02

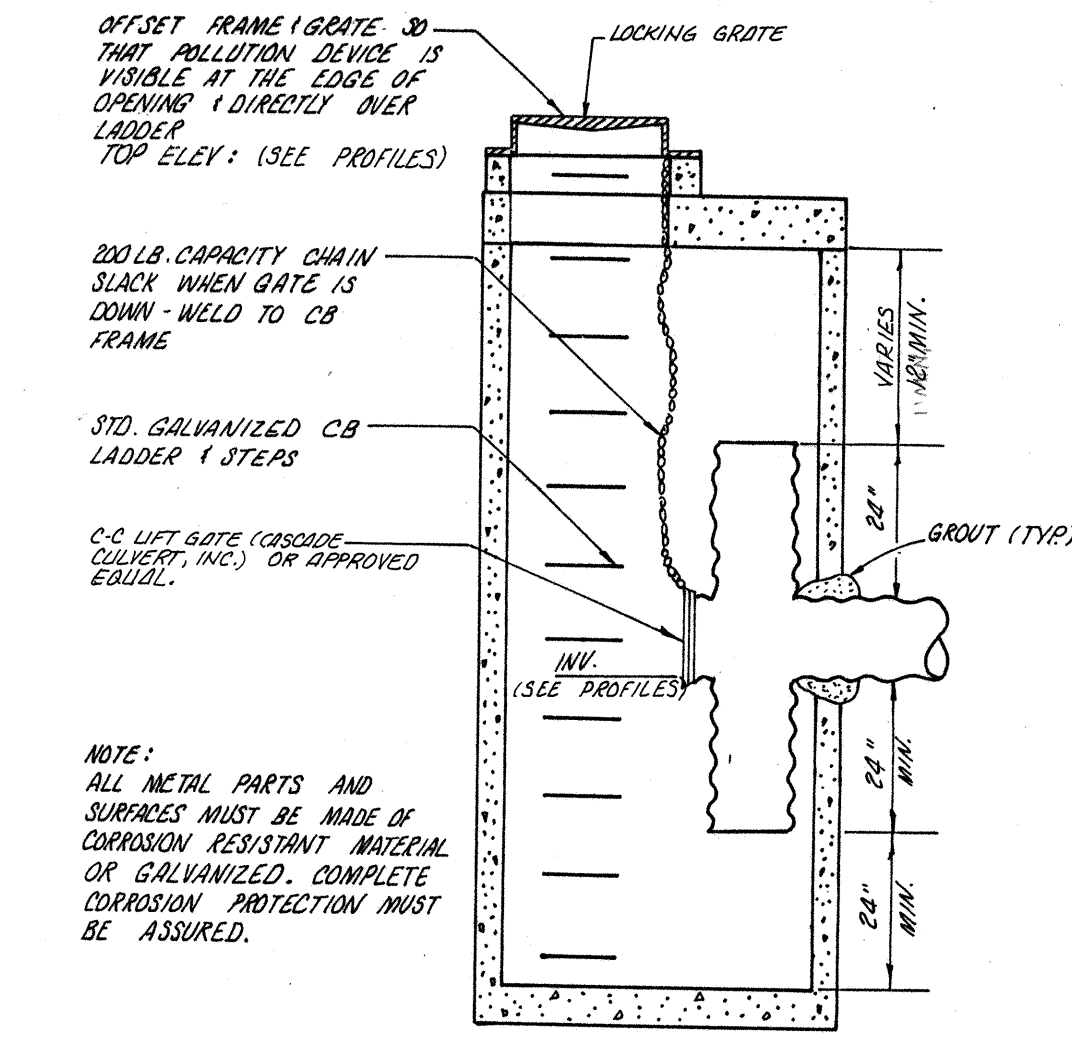
JOB NO. 85-319



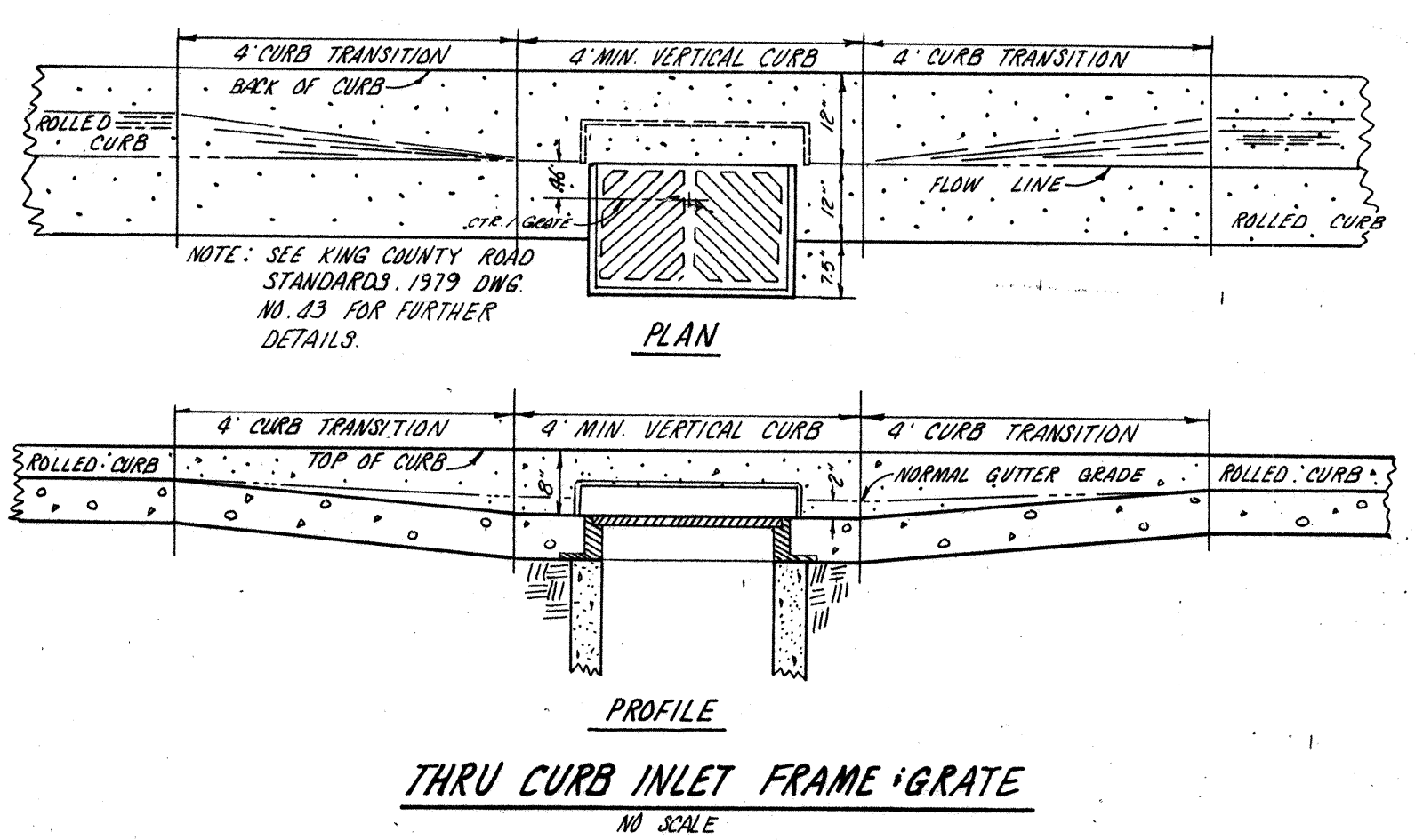
**RIP RAP NOTE**  
RIP RAP SHALL CONSIST OF QUARRY ROCK GRADATION  
MEAN DIA. OF ROCK % FINER BY WEIGHT  
1 1/2" ----- 100%  
1 1/4" ----- 75%  
1 1/2" ----- 50%  
1 1/4" ----- 25%  
1 1/2" ----- 0%  
2" 4 MEAN DIA. OF ROCK 4 1/2"  
UNLESS OTHERWISE SPECIFIED RIP RAP TO BE PLACED AT ALL INTAKES AND OUTFALLS IN 2' TO 5' R.P.D. APPROX. 1'0" THICK; 7.0' X 10.0'.



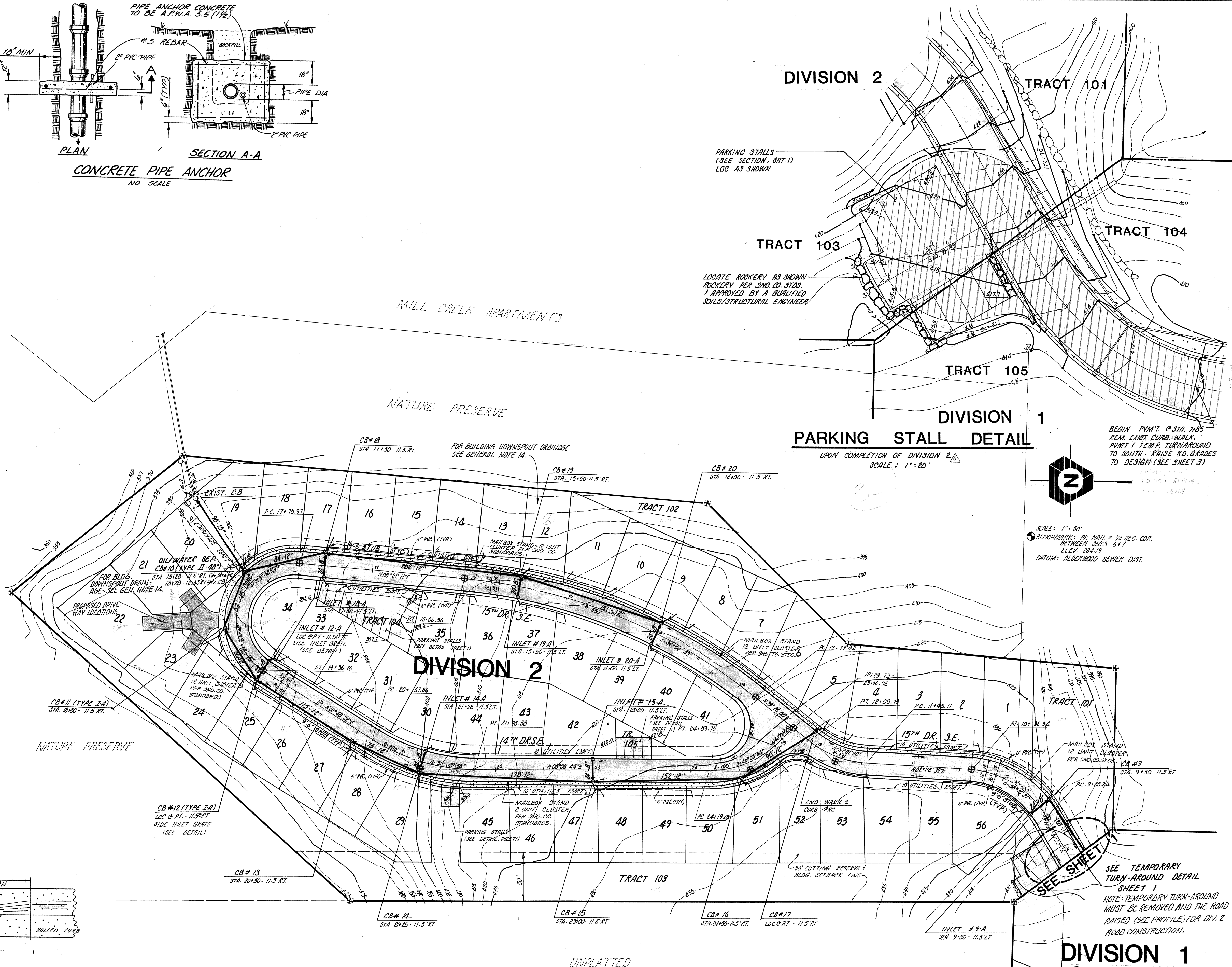
**CONCRETE PIPE ANCHOR**  
NO SCALE



**CB #5E10 (TYPE II-48\")**  
OIL/WATER SEPARATOR A.T.S.



**THRU CURB INLET FRAME & GRATE**  
NO SCALE



**DIVISION 2**

**TRACT 101**

**TRACT 103**

**TRACT 104**

**TRACT 105**

**DIVISION 1**  
**PARKING STALL DETAIL**  
UPON COMPLETION OF DIVISION 2  
SCALE: 1"=20'

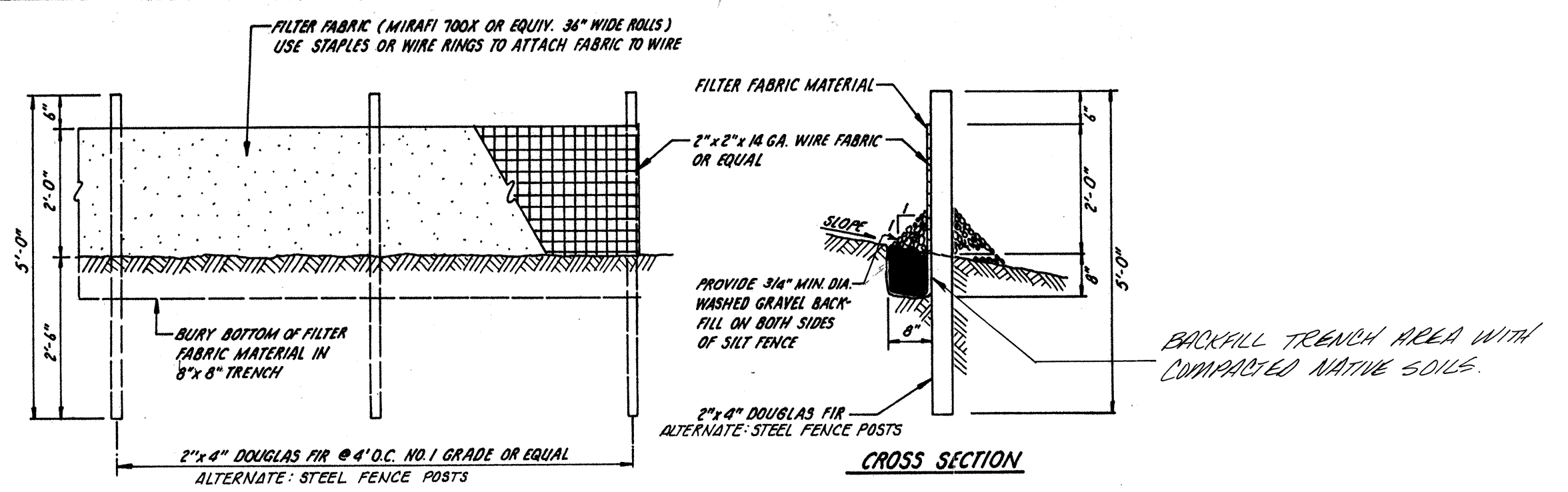


SCALE: 1"=50'  
BENCHMARK: PK NAIL @ 1/4 SEC. COR. BETWEEN SECS 5 & 7  
ELEV. 284.79  
DATUM: ALDERWOOD SEWER DIST.

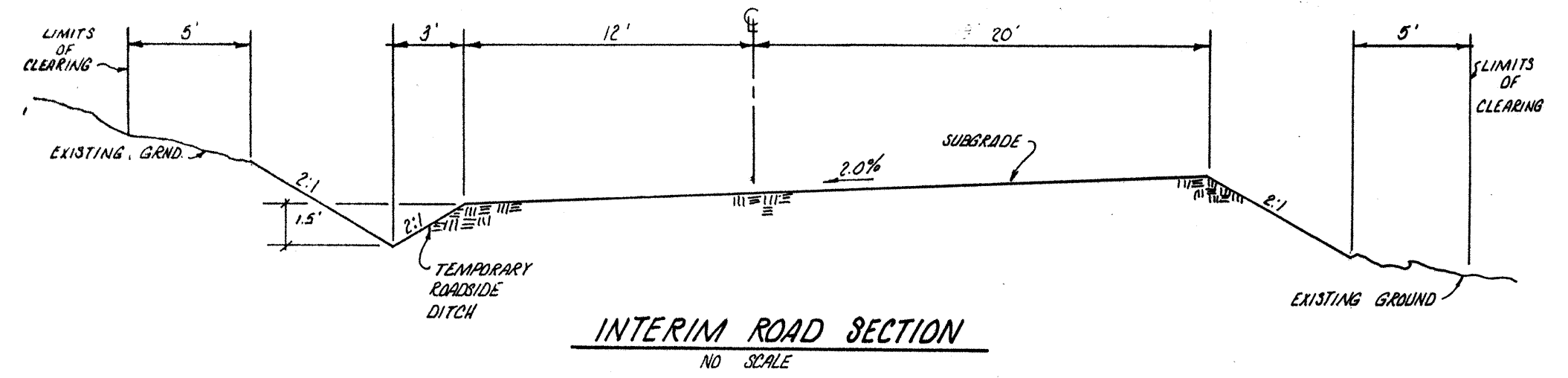
SEE TEMPORARY TURN-AROUND DETAIL SHEET 1  
NOTE: TEMPORARY TURN-AROUND MUST BE REMOVED AND THE ROAD RAISED (SEE PROFILE) FOR DIV. 2 ROAD CONSTRUCTION.

**DIVISION 1**

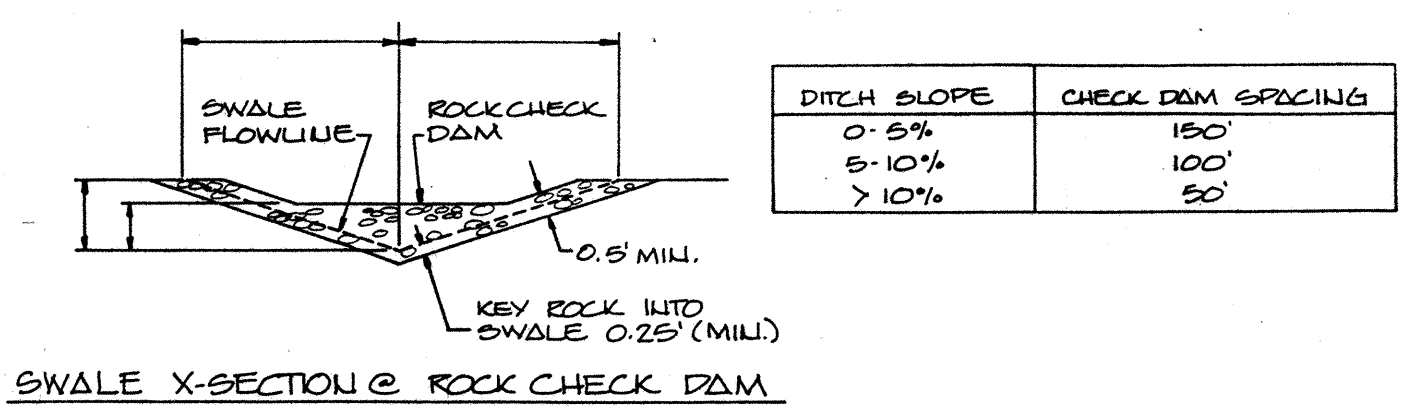
**LEGEND**  
⊕ CONC. MON IN CASE PER SNOHOMISH CO. STANDARDS  
⊕ CONC. MON PER SNOHOMISH CO. STANDARDS



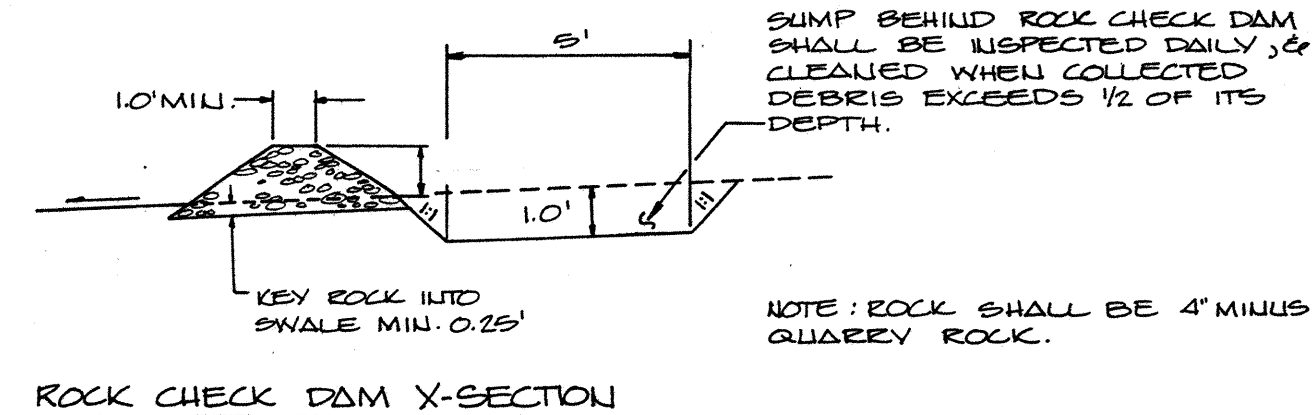
**FILTER FENCE DETAIL**  
(NOT TO SCALE)



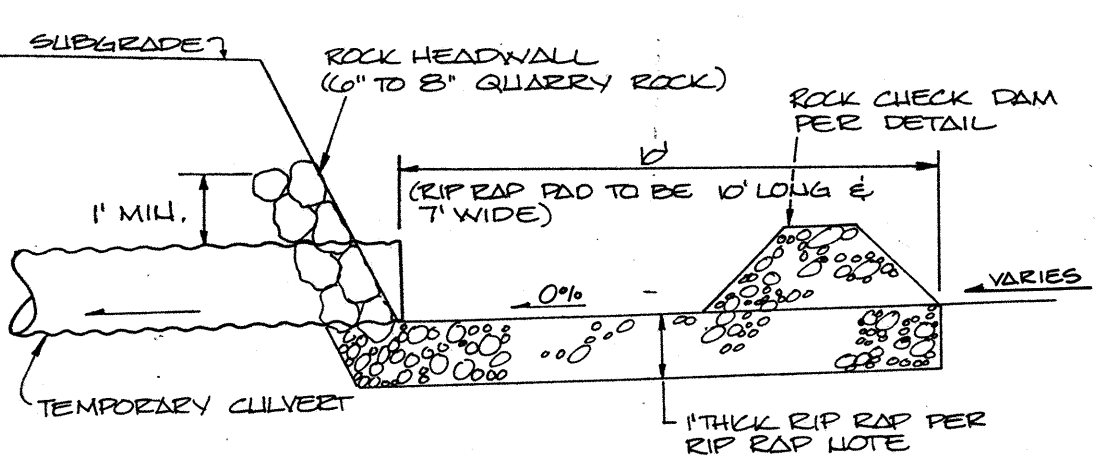
**INTERIM ROAD SECTION**  
NO SCALE



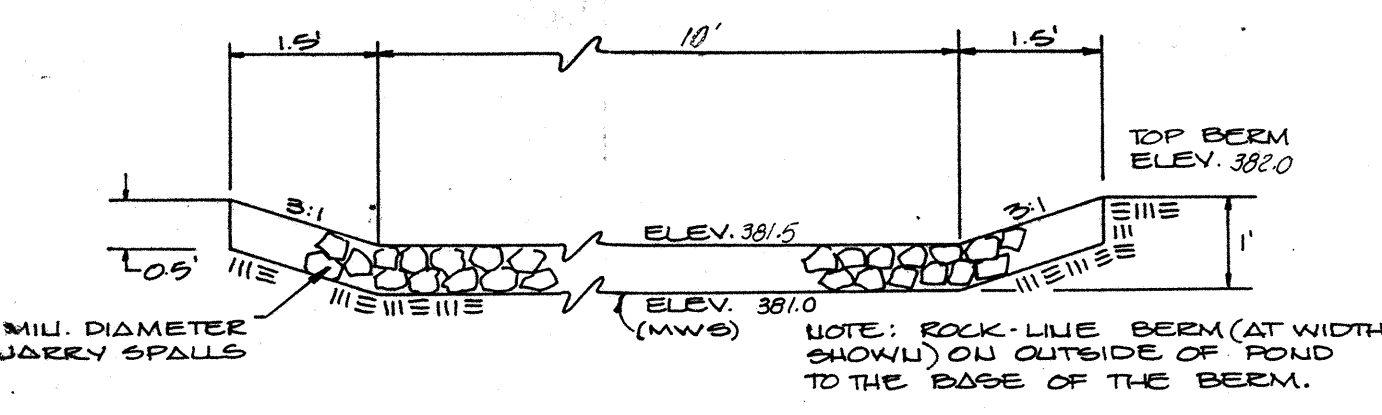
DITCH SLOPE	CHECK DAM SPACING
0-5%	150'
5-10%	100'
>10%	50'



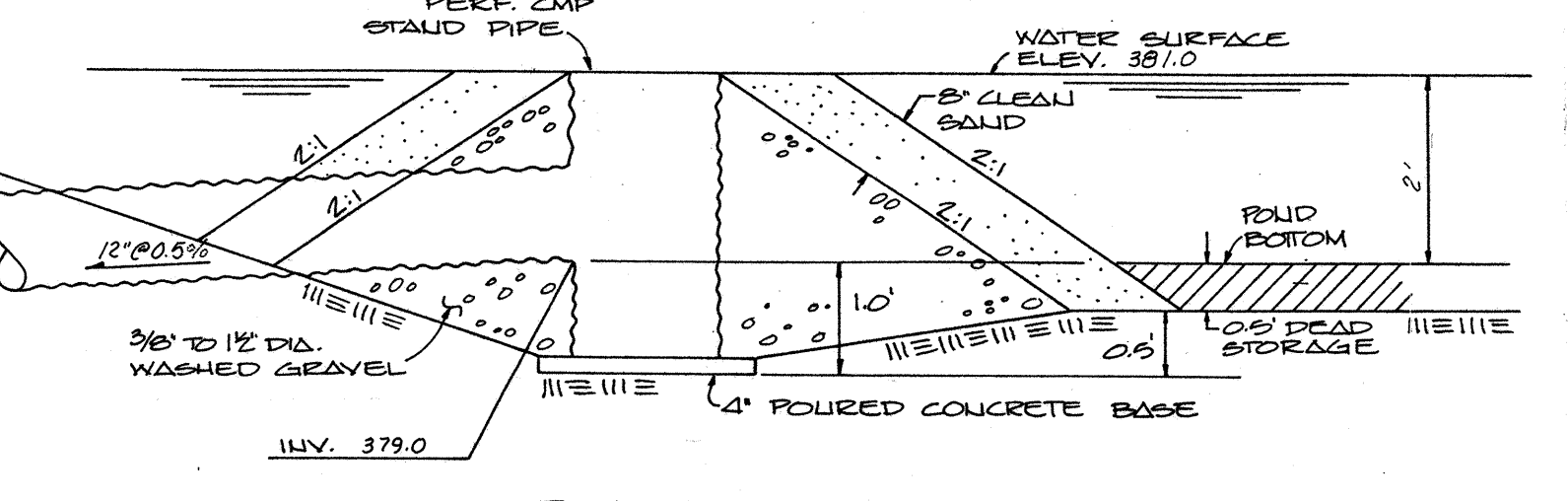
**ROCK CHECK DAM DETAILS**  
NO SCALE



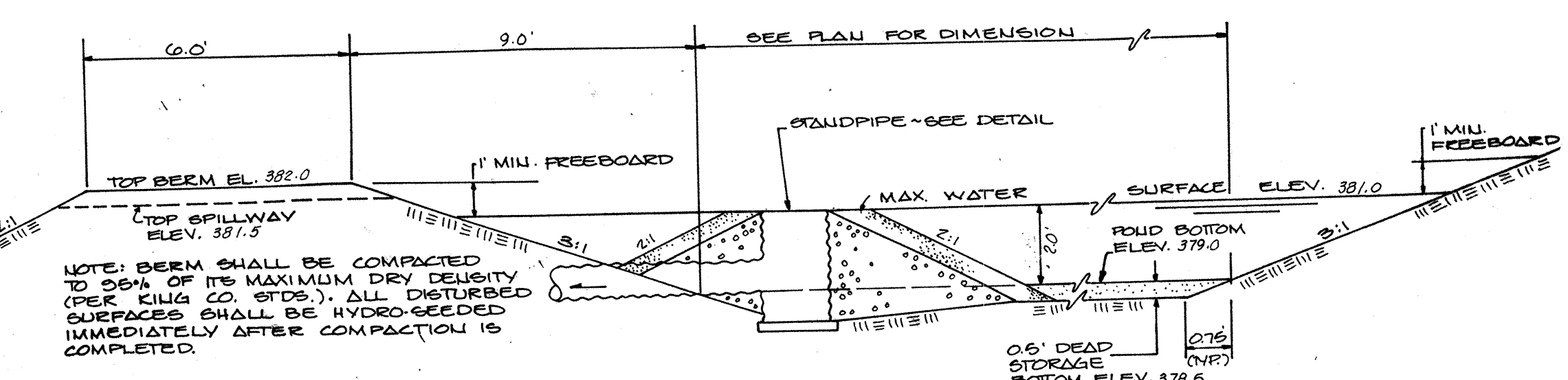
**INTAKE DETAIL**  
NO SCALE



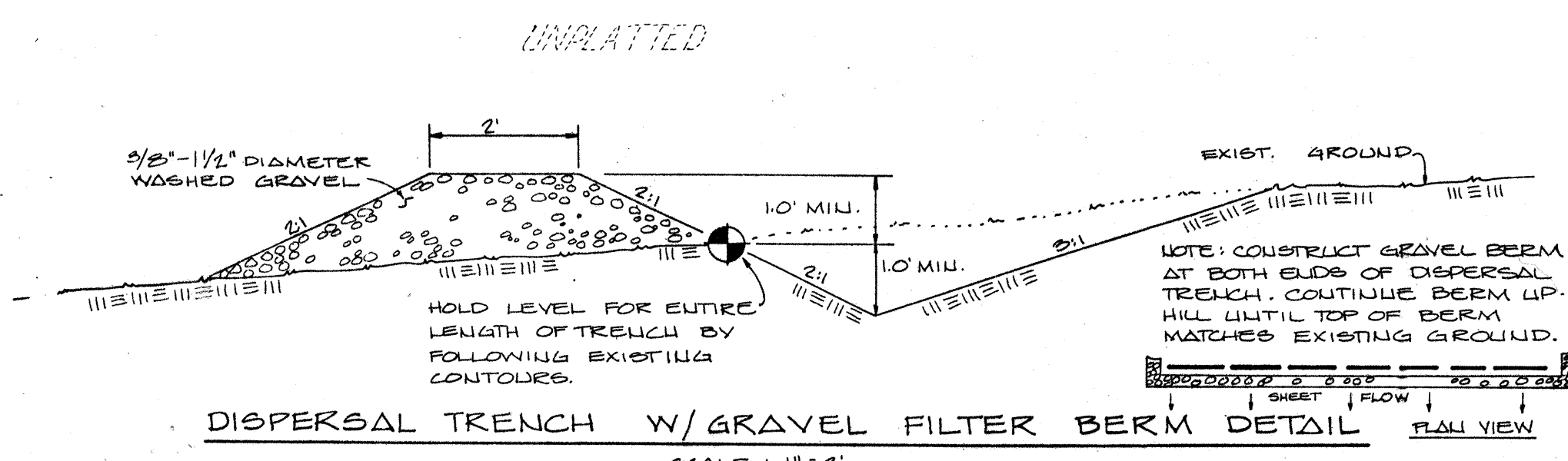
**EMERGENCY SPILLWAY DETAIL**  
SCALE: 1"=2'



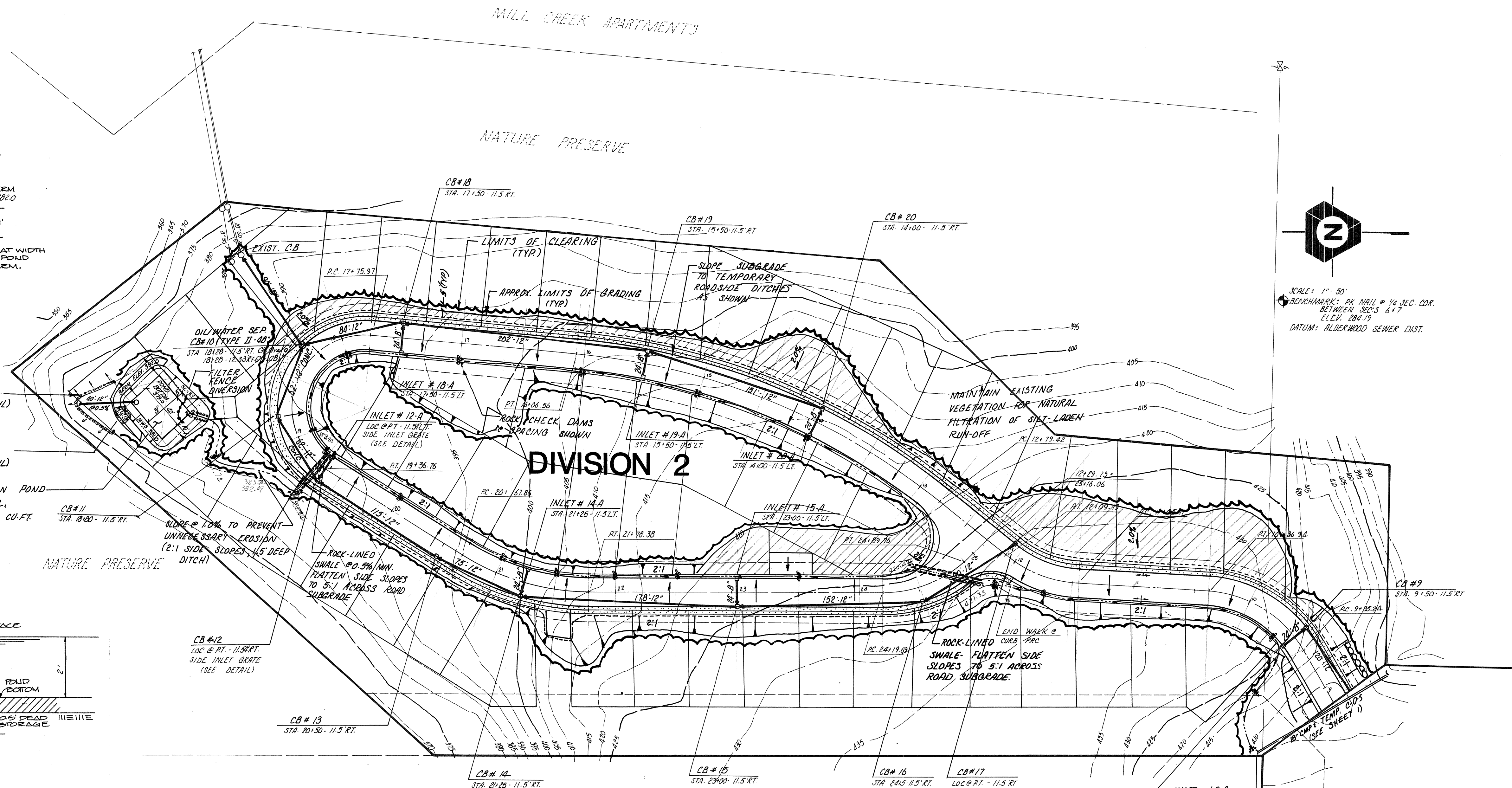
**STAND PIPE DETAIL**  
NO SCALE



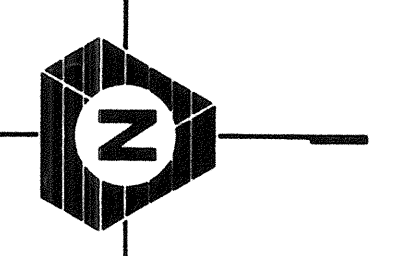
**DESILTATION POND X-SECTION**  
NO SCALE



**DISPERSAL TRENCH W/ GRAVEL FILTER BERM DETAIL**  
SCALE: 1"=2'



**DIVISION 2**



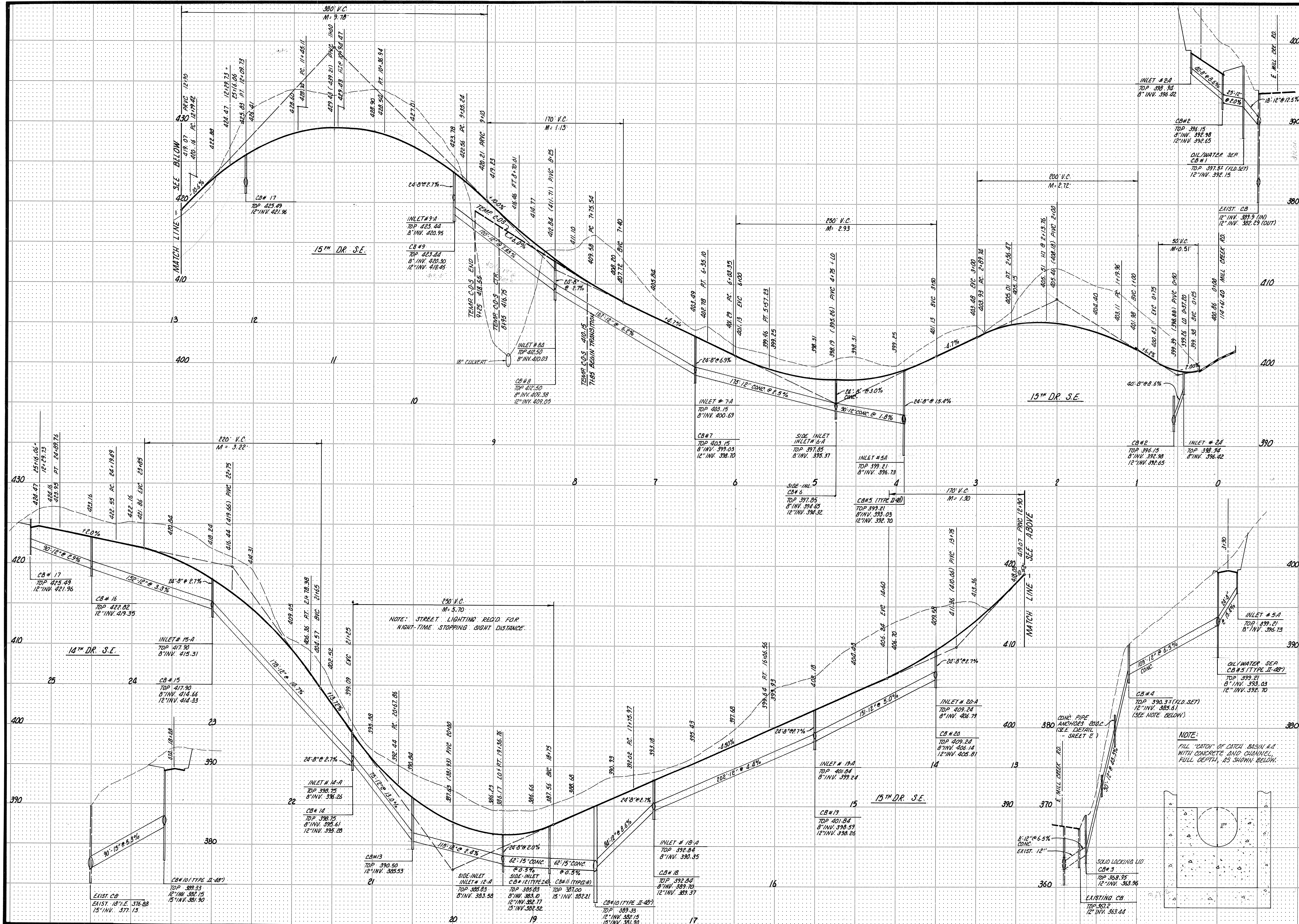
SCALE: 1"=50'  
BENCHMARK: PK MAIL # 1/4 SEC. COR. BETWEEN SEC'S 617 ELEV. 284.19  
DATUM: ALDERWOOD SEWER DIST.

**DIVISION 1**  
SEE SHEET 1

Date: JULY 15, 1983  
Designed: R.E.L.  
Drawn: L. SWANBERG  
Checked: ALAN D. KURE, P.E.  
Project Manager







**ROAD AND STORM PROFILE**  
**LEXINGTON LANE**  
WASHINGTON

**TRIAD ASSOCIATES**  
ENGINEERING SURVEYING PLANNING  
11415 N.E. 128th St., Kirkland WA 98033 • (206) 821-8448

SHEET **3**

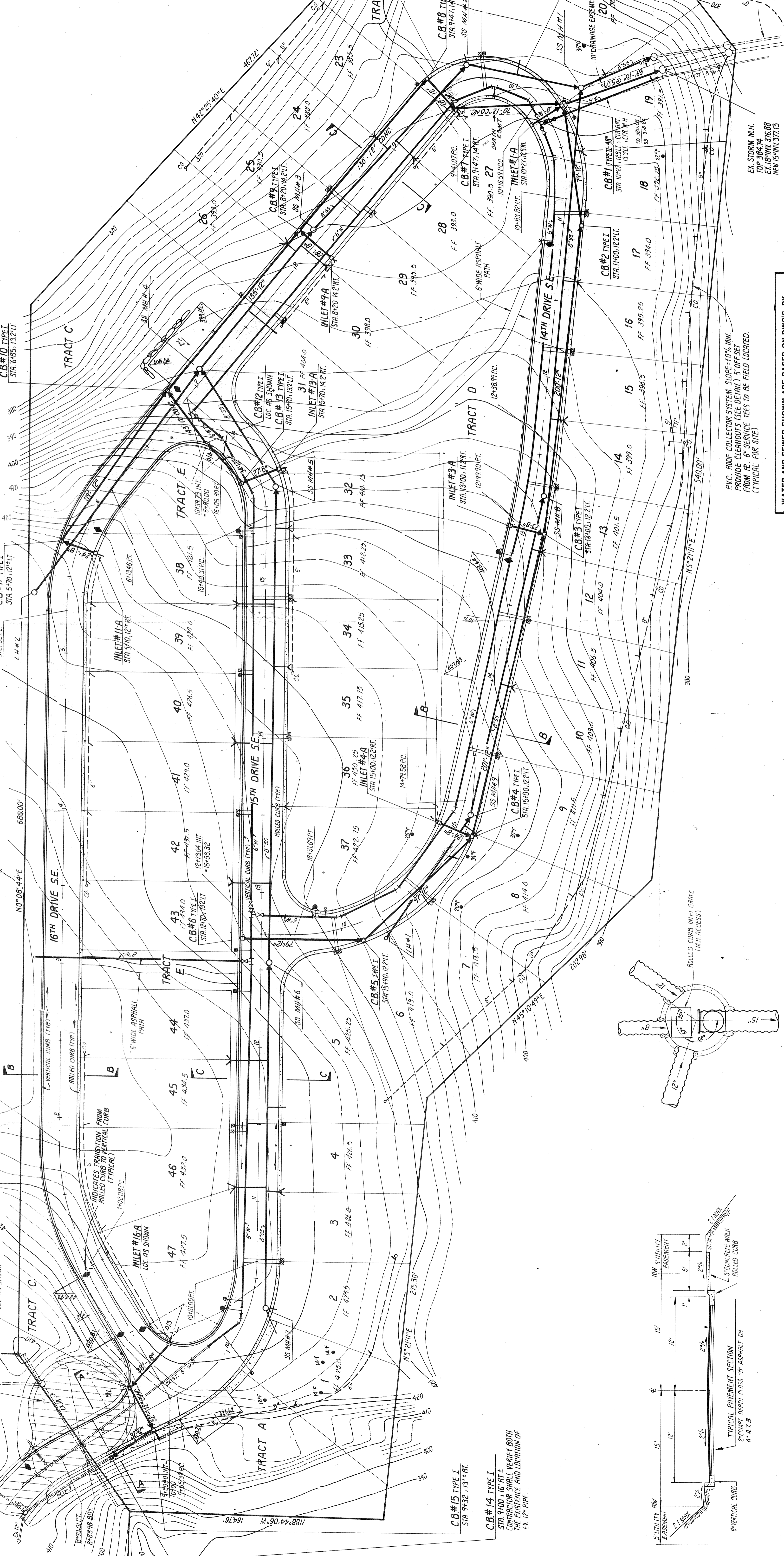
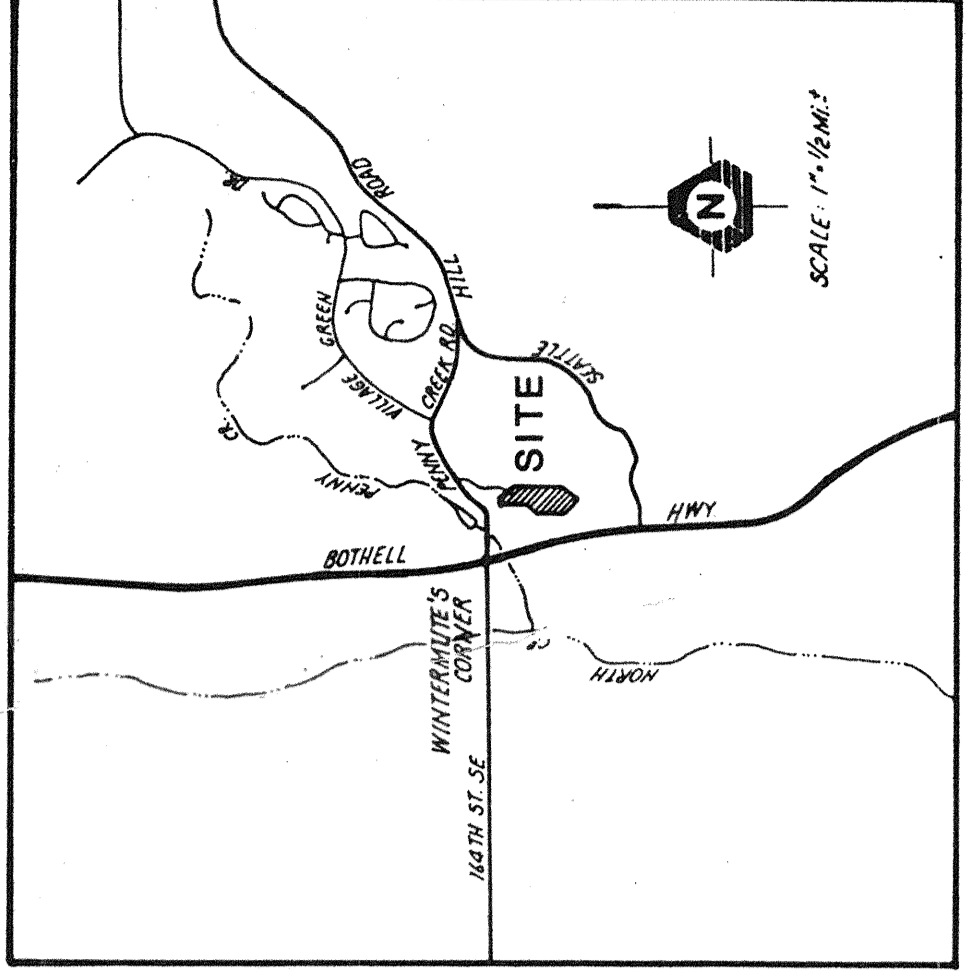
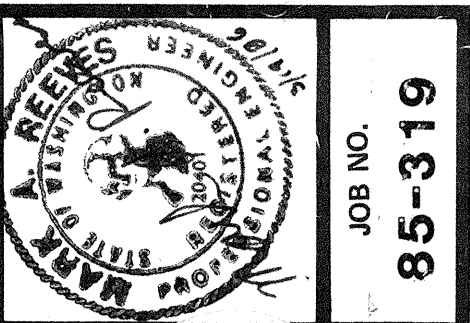
REVISIONS  
 Δ REVISED PER COUNTY REVIEW 9-2-83  
 Δ ADD STREET INVERTS 9-2-83

Date: JULY 16, 1983  
 Designed: REL  
 Drawn: SCHMIDT  
 Checked: M. D. FURBER  
 Project Manager: M. D. FURBER

SEAL  
 M. D. FURBER  
 REGISTERED PROFESSIONAL ENGINEER  
 WASHINGTON STATE  
 NO. 12345

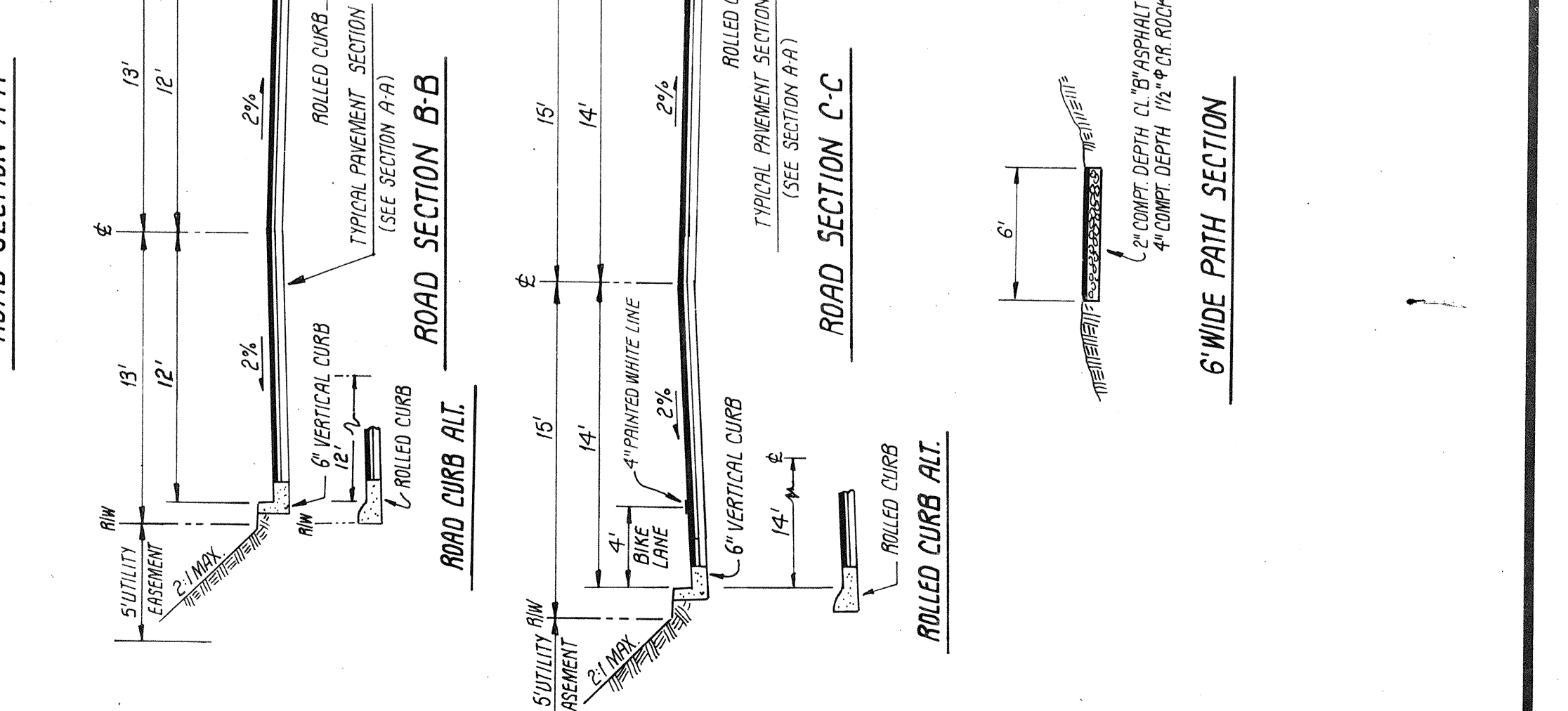
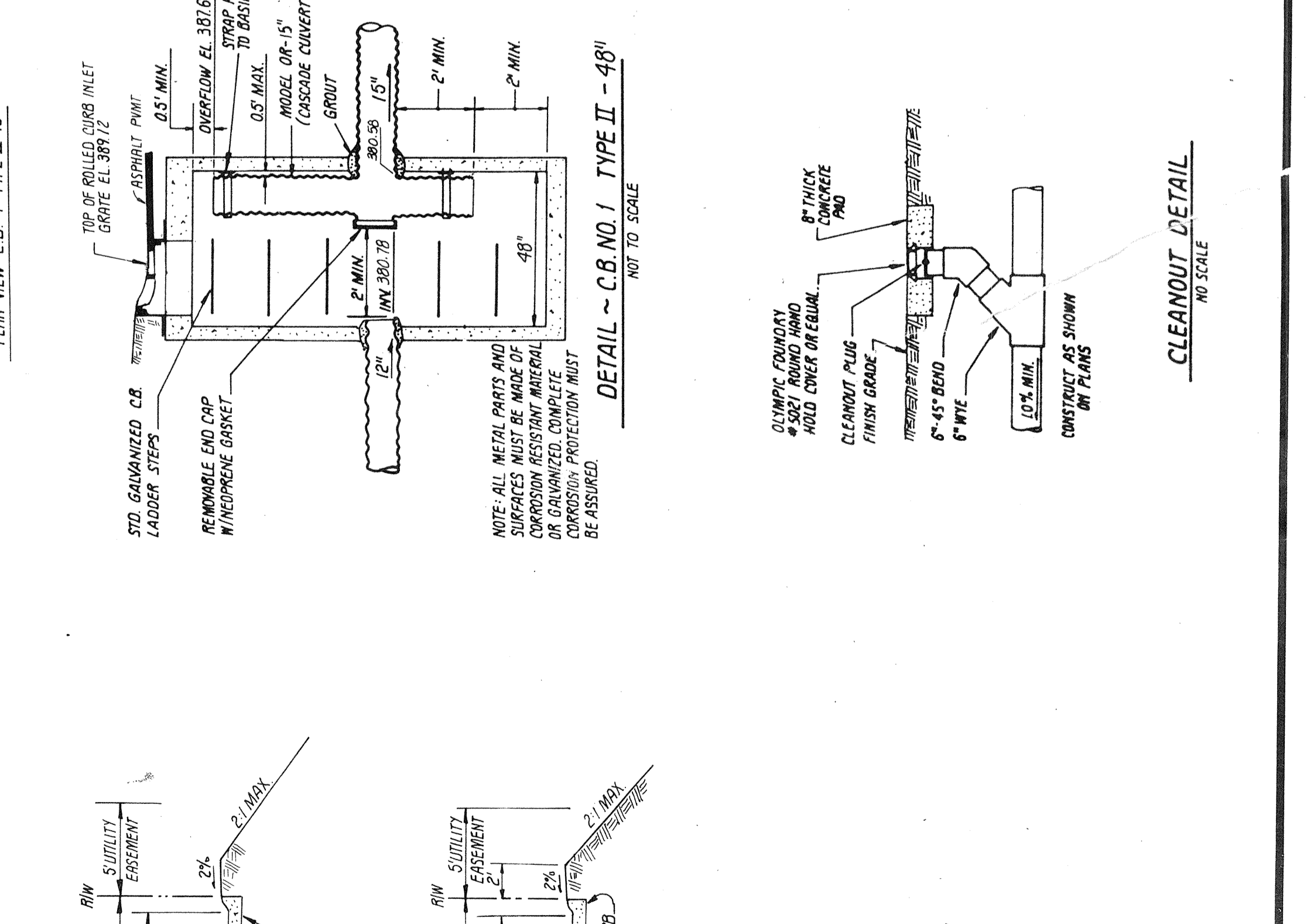
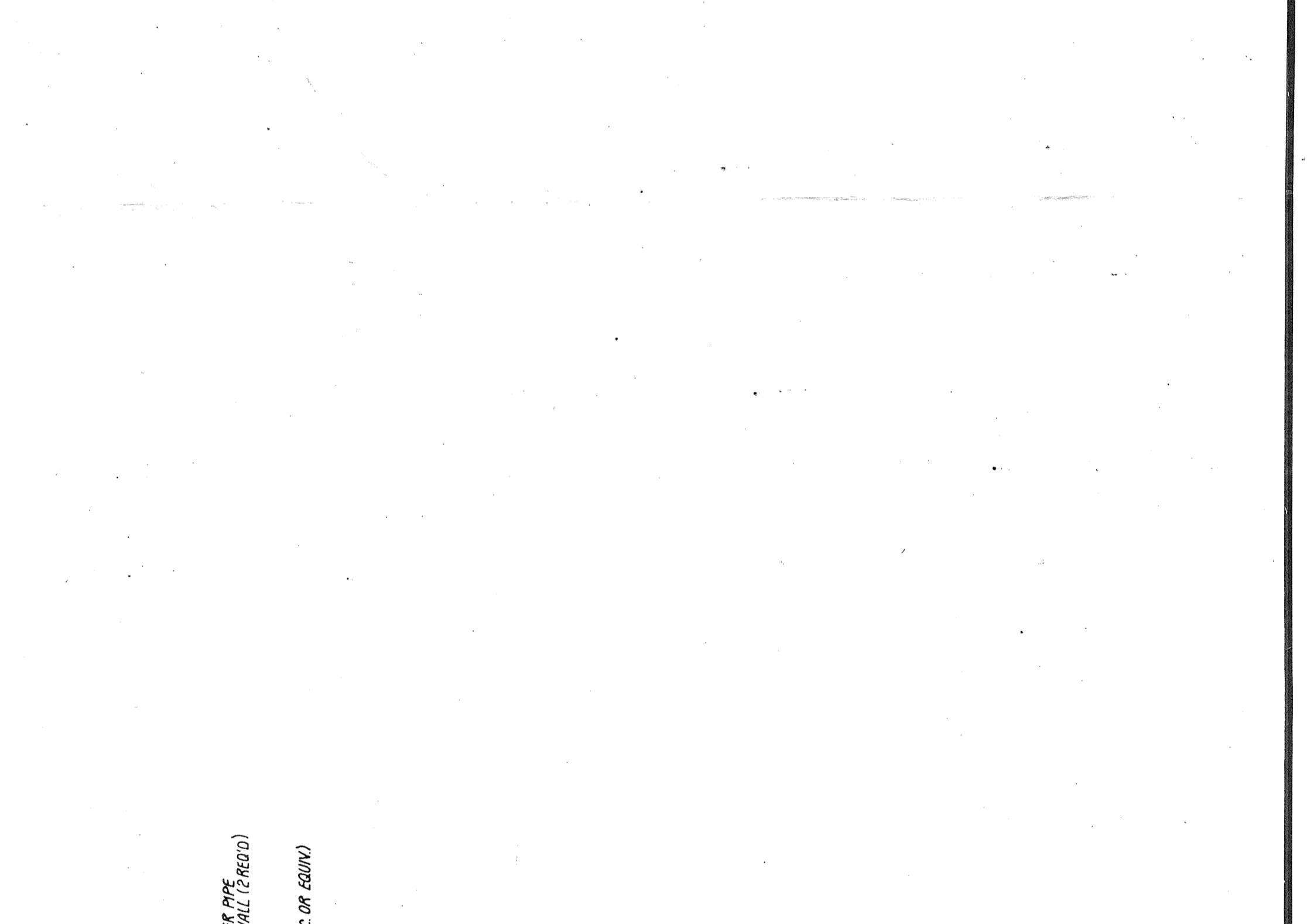
JOB NO. 83-101

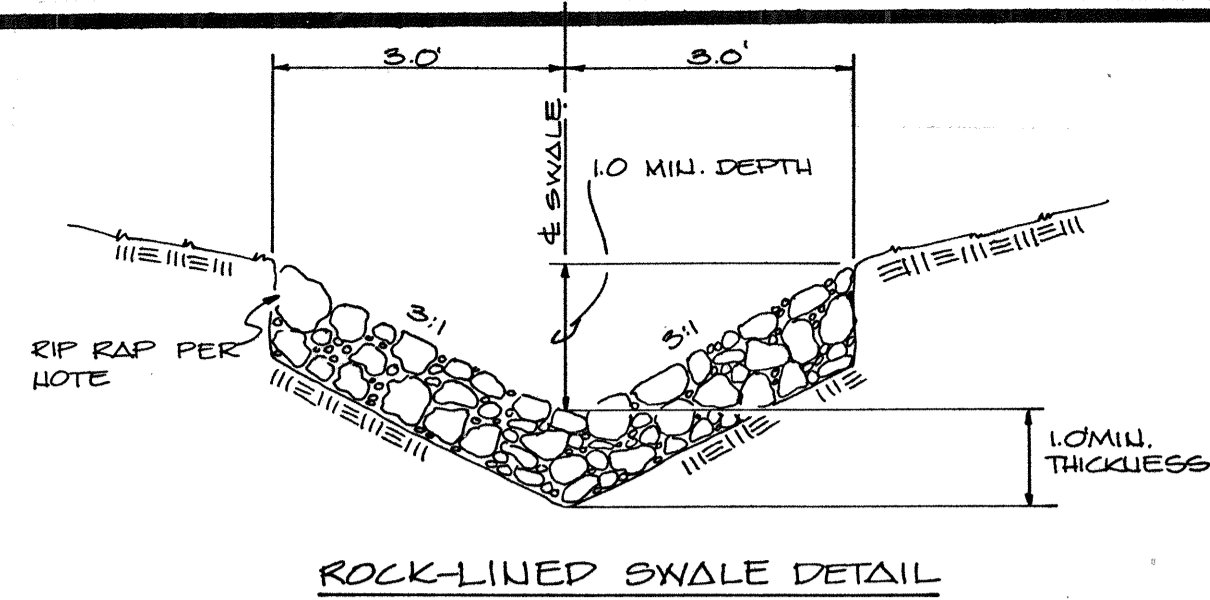
T-18-C8



- GENERAL NOTES:**
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH SNOHOMISH COUNTY STANDARDS AND SPECIFICATIONS, AS ADOPTED BY THE CITY OF MILL CREEK.
  - APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. UTILITIES NOT SHOWN SO AS TO AVOID DAMAGE OR DISTURBANCE. LOCATIONS SHOWN AND FOR DISCOVERY OF POSSIBLE ADDITIONAL UTILITIES.
  - IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY CONSTRUCTION. THE CITY OF MILL CREEK PUBLIC WORKS DEPARTMENT SHALL BE THE AUTHORITY FOR THE CITY OF MILL CREEK PUBLIC WORKS DEPARTMENT. A COPY OF THESE APPROVED PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
  - THE STORM DRAINAGE SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS WHICH ARE ON FILE IN THE PUBLIC WORKS DEPARTMENT. A COPY OF THESE APPROVED PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
  - ALL STORM SEWER PIPE 18 INCHES AND SMALLER SHALL BE ASTM C-14 CLASS 111, NONREINFORCED RELL AND SPOUT (WITH WELL SPOUTS) FROM THE INSIDE OF ALL CATCH BASINS AND INLETS, UNLESS OTHERWISE SPECIFIED. WHERE CONCRETE PIPE IS NOT SPECIFIED, ALL STORM SEWER PIPE SHALL BE 18 INCHES AND SMALLER SHALL BE PER APM SECTION 61-3.08 (1977 APM) STANDARD SPECIFICATIONS. ALL STORM SEWER PIPE SHALL BE PER APM SECTION 61-3.08 (1977 APM) STANDARD SPECIFICATIONS.
  - ALL BUILDING DOWNSPOUTS SHALL BE CONNECTED TO THE 6-INCH CONCRETE STUBS PROVIDED, WITH 6-INCH ADS PIPE OR EQUIVALENT. WHEN MORE THAN 3 HOUSES ARE CONNECTED ON SAME LINE, USE 8-INCH DIAMETER ADS PIPE.
  - ALL CATCH BASINS SHALL BE TYPE I OR TYPE II, PER SNOHOMISH COUNTY ROAD STANDARDS, AS SPECIFIED. ALL INLETS SHALL BE TYPE I OR TYPE II, PER SNOHOMISH COUNTY ROAD STANDARDS, AS SPECIFIED. ALL INLETS SHALL BE TYPE I OR TYPE II, PER SNOHOMISH COUNTY ROAD STANDARDS, AS SPECIFIED. ALL INLETS SHALL BE TYPE I OR TYPE II, PER SNOHOMISH COUNTY ROAD STANDARDS, AS SPECIFIED. ALL INLETS SHALL BE TYPE I OR TYPE II, PER SNOHOMISH COUNTY ROAD STANDARDS, AS SPECIFIED.
  - ALL CONCRETE SHALL BE PER SNOHOMISH COUNTY STANDARD SPECIFICATIONS. ALL CONCRETE SHALL BE PER SNOHOMISH COUNTY STANDARD SPECIFICATIONS. ALL CONCRETE SHALL BE PER SNOHOMISH COUNTY STANDARD SPECIFICATIONS. ALL CONCRETE SHALL BE PER SNOHOMISH COUNTY STANDARD SPECIFICATIONS.
  - CONNECTION OF ALL TELL AREAS SHALL BE PER SNOHOMISH COUNTY STANDARD SPECIFICATIONS. ALL CONCRETE SHALL BE PER SNOHOMISH COUNTY STANDARD SPECIFICATIONS. ALL CONCRETE SHALL BE PER SNOHOMISH COUNTY STANDARD SPECIFICATIONS. ALL CONCRETE SHALL BE PER SNOHOMISH COUNTY STANDARD SPECIFICATIONS.
  - THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES.
  - ALL UTILITIES SHALL BE PROTECTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR THE PROTECTION OF ALL UTILITIES.
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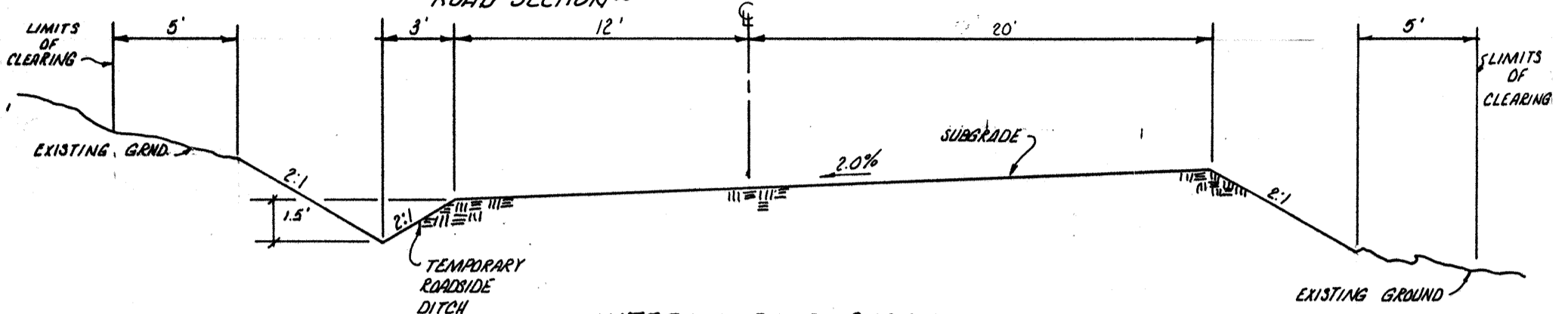
**WATER AND SEWER SHOWN ARE BASED ON DWGS. BY ALBERWAND WATER DISTRICT AND ARE SCHEMATIC ONLY AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.**



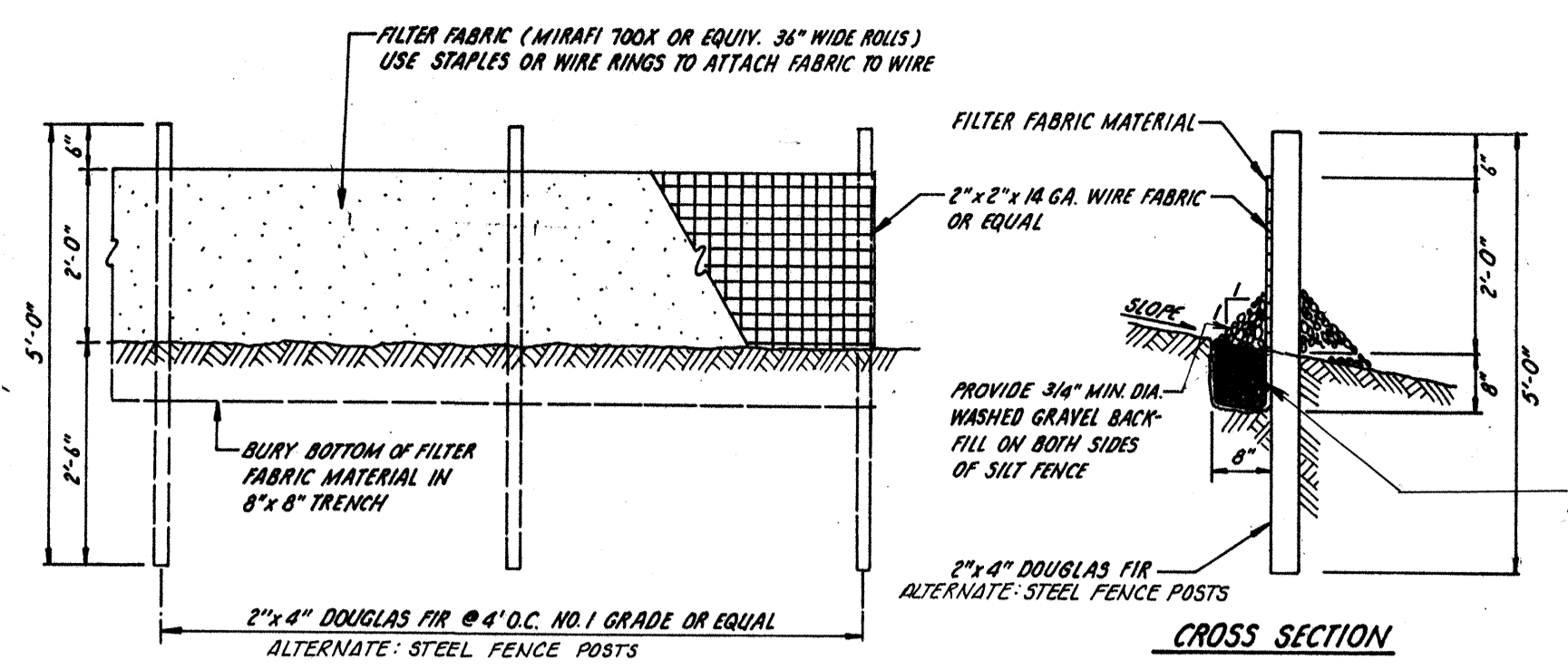


ROCK-LINED SWALE DETAIL

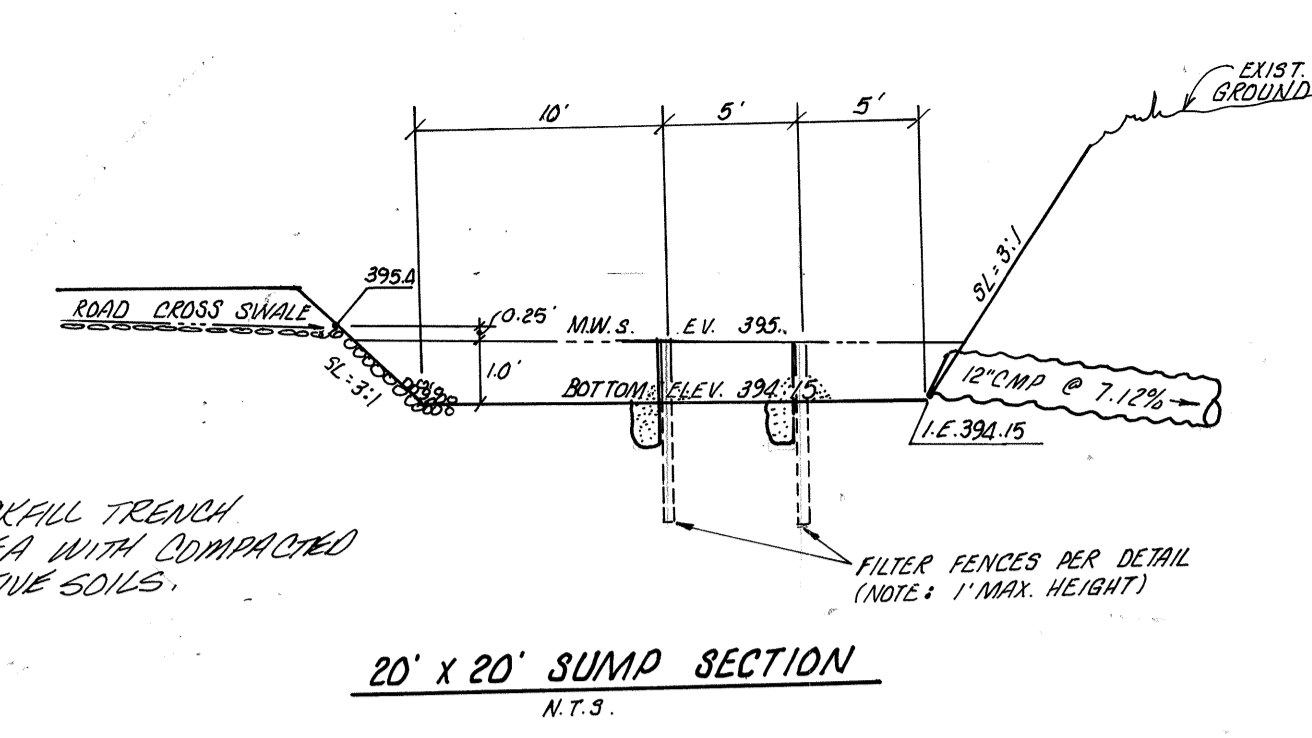
THIS ROAD SECTION SHALL BE USED DURING CLEARING AND ROUGH GRADING, FOR CONTROL OF SURFACE DRAINAGE. SEE ROAD & STORM PLANS FOR FINISHED ROAD SECTION.



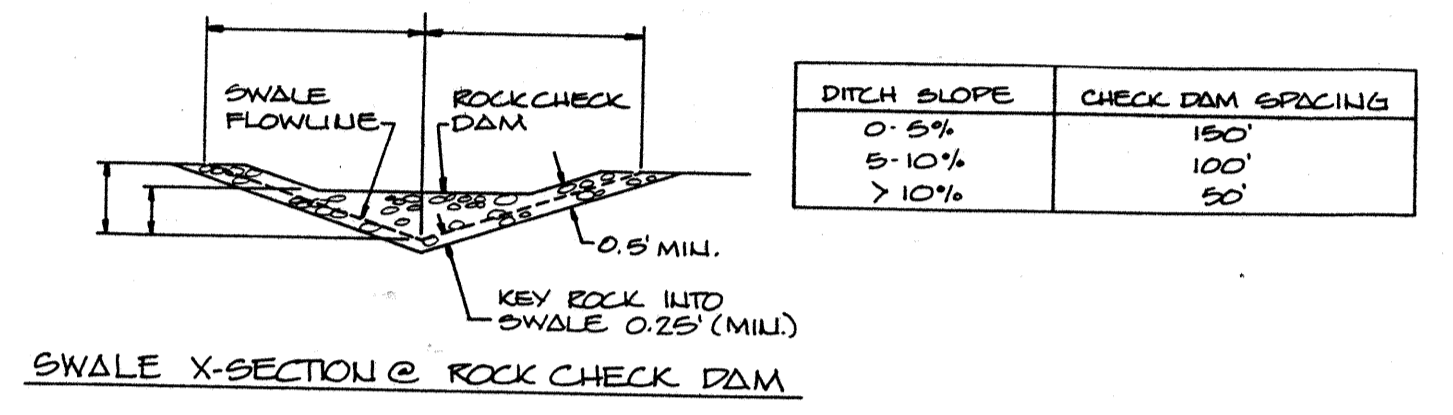
INTERIM ROAD SECTION  
NO SCALE



FILTER FABRIC DETAIL  
(NOT TO SCALE)

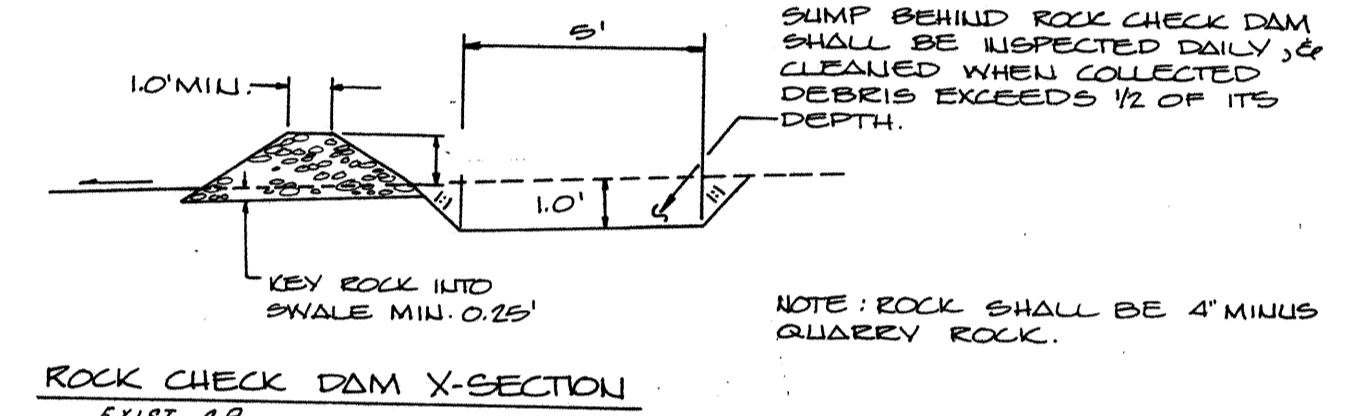


20' X 20' SUMP SECTION  
N.T.S.



SWALE X-SECTION @ ROCK CHECK DAM

DITCH SLOPE	CHECK DAM SPACING
0-5%	150'
5-10%	100'
> 10%	50'



ROCK CHECK DAM X-SECTION  
EXIST. CB  
NO SCALE

**NOTE:**

DUE TO DOWNSLOPE SOIL INSTABILITY, A SOILS ENGINEER MUST BE CONSULTED PRIOR TO POND CONSTRUCTION.

**CONSTRUCTION SEQUENCE:**

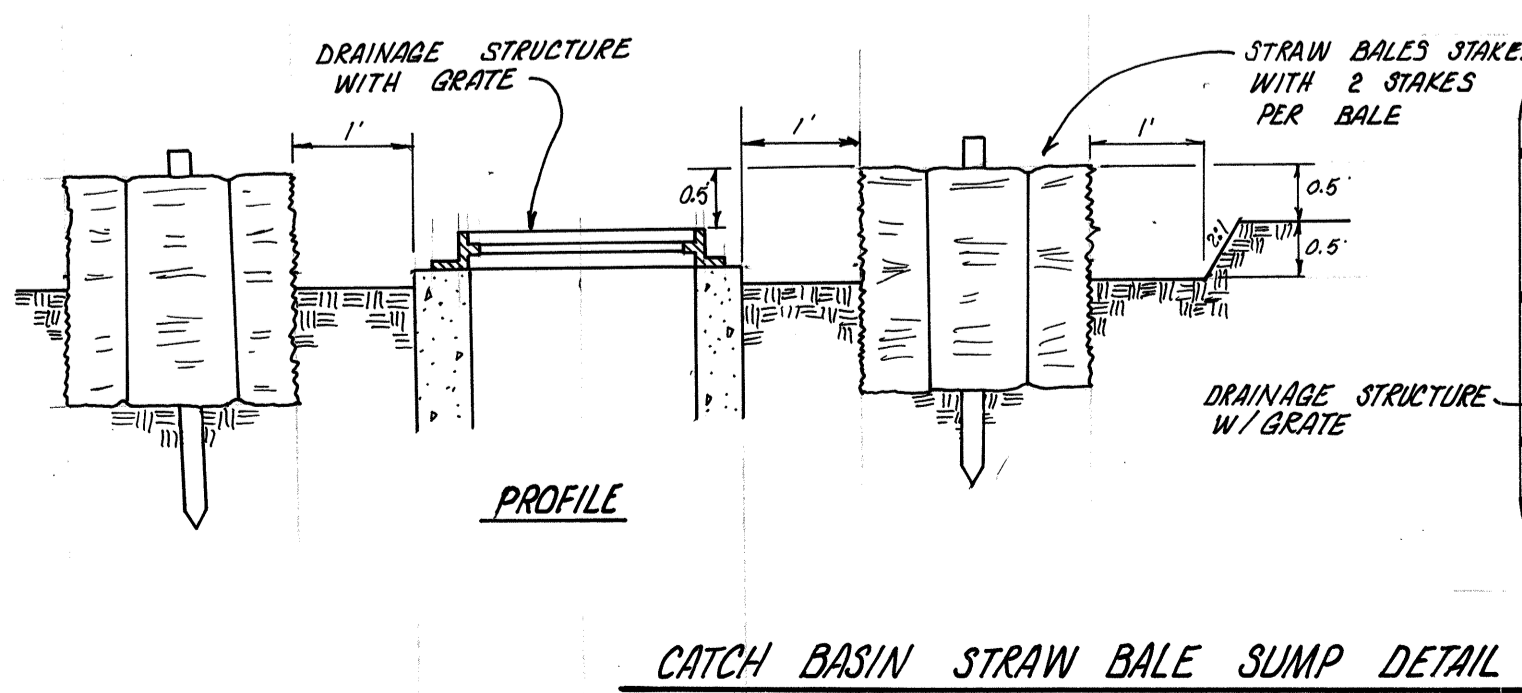
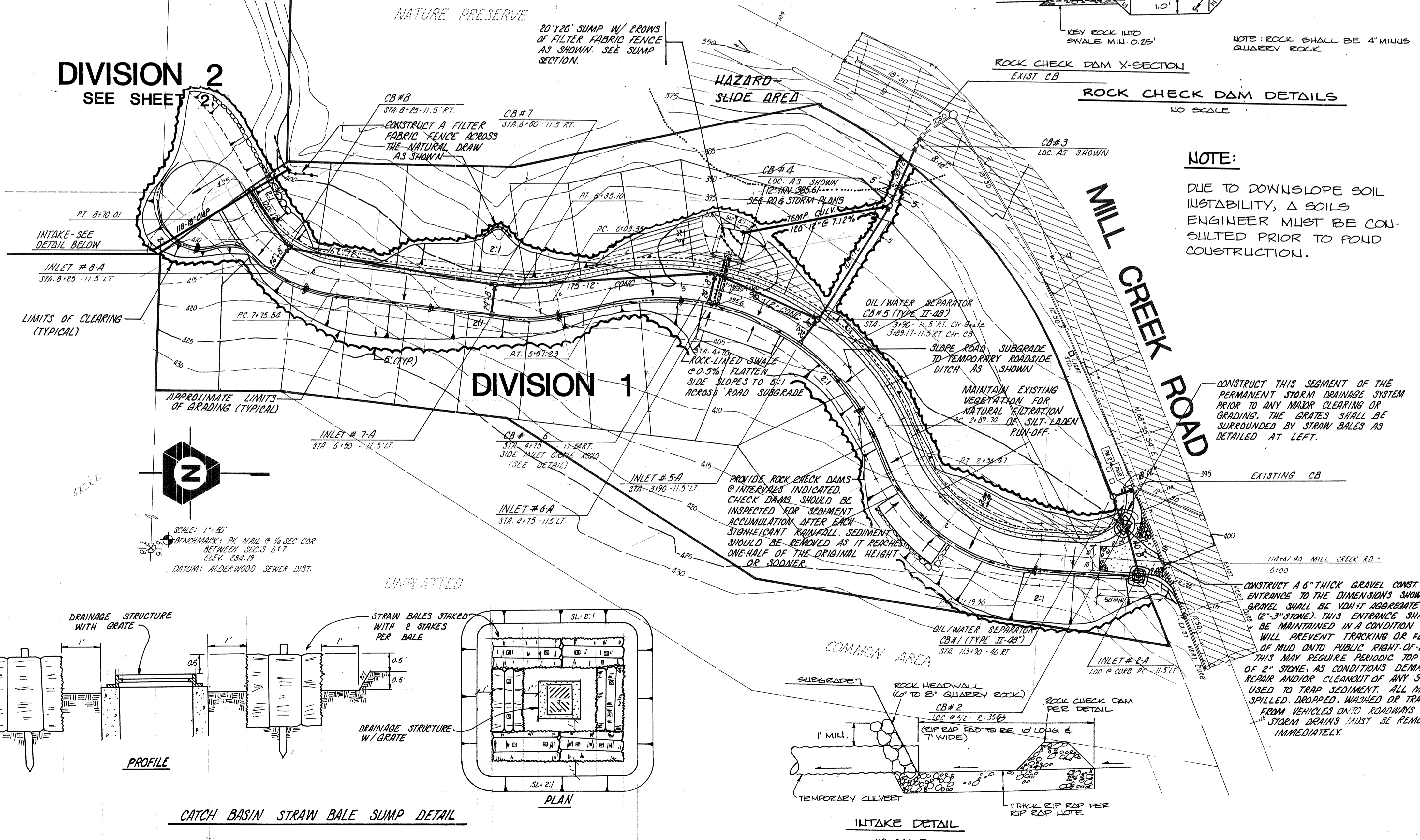
- SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH THE SNOHOMISH COUNTY DEVELOPMENT INSPECTION DIVISION (PHONE: 259-9488), PRIOR TO ANY CONSTRUCTION ACTIVITY.
- CONSTRUCT THE PERMANENT STORM DRAINAGE SYSTEM FROM THE EXISTING CATCH BASIN IN MILL CREEK ROAD TO INLET #2-A. PROTECT CATCH BASIN #2 AND INLET #2-A WITH STRAWBALES, AS SHOWN IN THE DETAIL.
- CONSTRUCT THE TEMPORARY CONSTRUCTION ENTRANCE, AS SHOWN.
- CLEAR TO THE LIMITS INDICATED, INSTALLING FILTER FABRIC FENCES, IN LOCATIONS SHOWN.
- CONSTRUCT THE TEMPORARY DESILTATION POND IN THE LOCATION SHOWN. THE POND SHALL BE IN OPERATION PRIOR TO ANY MAJOR CLEARING AND GRADING ACTIVITIES.
- BEGIN MAJOR ROADWAY GRADING AND DRAINAGE SYSTEM INSTALLATION, PER THE APPROVED ROAD AND STORM DRAINAGE PLANS. AS SOON AS CUT/FILL SLOPES ARE ESTABLISHED, THEY SHOULD BE HYDROSEEDED PER SNOHOMISH COUNTY STANDARDS. ROADSIDE DITCHES SHALL BE CONSTRUCTED AND EQUIPPED WITH ROCK-CHECK DAMS, AS SHOWN.
- THROUGHOUT CONSTRUCTION, THE EROSION/SEDIMENTATION CONTROL FACILITIES SHOULD BE INSPECTED DAILY AND MAINTAINED, AS NECESSARY.
- ONCE PAVING IS COMPLETE, HYDROSEEDING IS ESTABLISHED AND THE PERMANENT STORM DRAINAGE SYSTEM IS IN OPERATION, THE EROSION/SEDIMENTATION CONTROL FACILITIES SHALL BE DISMANTLED. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR EXISTING CONDITIONS, OR BETTER. ANY DEBRIS COLLECTED IN THE PERMANENT STORM DRAINAGE SYSTEM SHALL BE REMOVED.

**EROSION/SEDIMENTATION CONTROL NOTES:**

- WHERE POSSIBLE, NATURAL VEGETATION SHALL BE MAINTAINED TO MINIMIZE THE POTENTIAL FOR EROSION. ALL LIMITS OF CLEARING, AND GRADING AS PRESCRIBED ON THE PLAN, SHALL BE CLEARLY FLAGGED IN THE FIELD.
- ALL REQUIRED EROSION/SEDIMENTATION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION, PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION, TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. ALL EROSION/SEDIMENTATION CONTROL FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT AND ADDITIONS TO THE EROSION/SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
- THE EROSION/SEDIMENTATION CONTROL SYSTEMS DEPICTED ON THIS DRAWING ARE INTENDED TO BE MINIMUM REQUIREMENTS SATISFYING ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, MORE EROSION/SEDIMENTATION CONTROL FACILITIES MAY BE REQUIRED TO INSURE COMPLETE SILTATION CONTROL OF THE DISTURBED SITE. THEREFORE, DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITTEE 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 TO PROTECT ADJACENT PROPERTIES AND THE WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEMS.
- APPROVAL OF THIS PLAN IS FOR THE EROSION/SEDIMENTATION CONTROL SYSTEM ONLY, IT DOES NOT CONSTITUTE AN APPROVAL OF THE STORM DRAINAGE DESIGN DEPICTED ON THE PERMANENT ROAD AND STORM DRAINAGE PLAN.
- ALL AREAS, WHICH HAVE BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING OR OTHER APPROVED EROSION-CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THRU SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED, HOWEVER, WHENEVER IT IS IN THE INTEREST OF THE PERMITTEE, BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER APPROVED TREATMENT OUTSIDE THE SPECIFIED TIME PERIOD. AN ACCEPTABLE SEED MIXTURE IS:  
20% ANNUAL, PERENNIAL OR HYBRID RYEGRASS  
40% CREEPING RED FESCUE, AND  
40% WHITE CLOVER  
APPLY AT 80 LBS/ACRE WITH 400 LBS/ACRE OF 10-20-20 FERTILIZER.
- THE PERMANENT STORM DRAINAGE SYSTEM SHALL BE CLEANED OF ALL DEBRIS PRIOR TO ACCEPTANCE OF CONSTRUCTION.
- A COPY OF THESE APPROVED PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES.

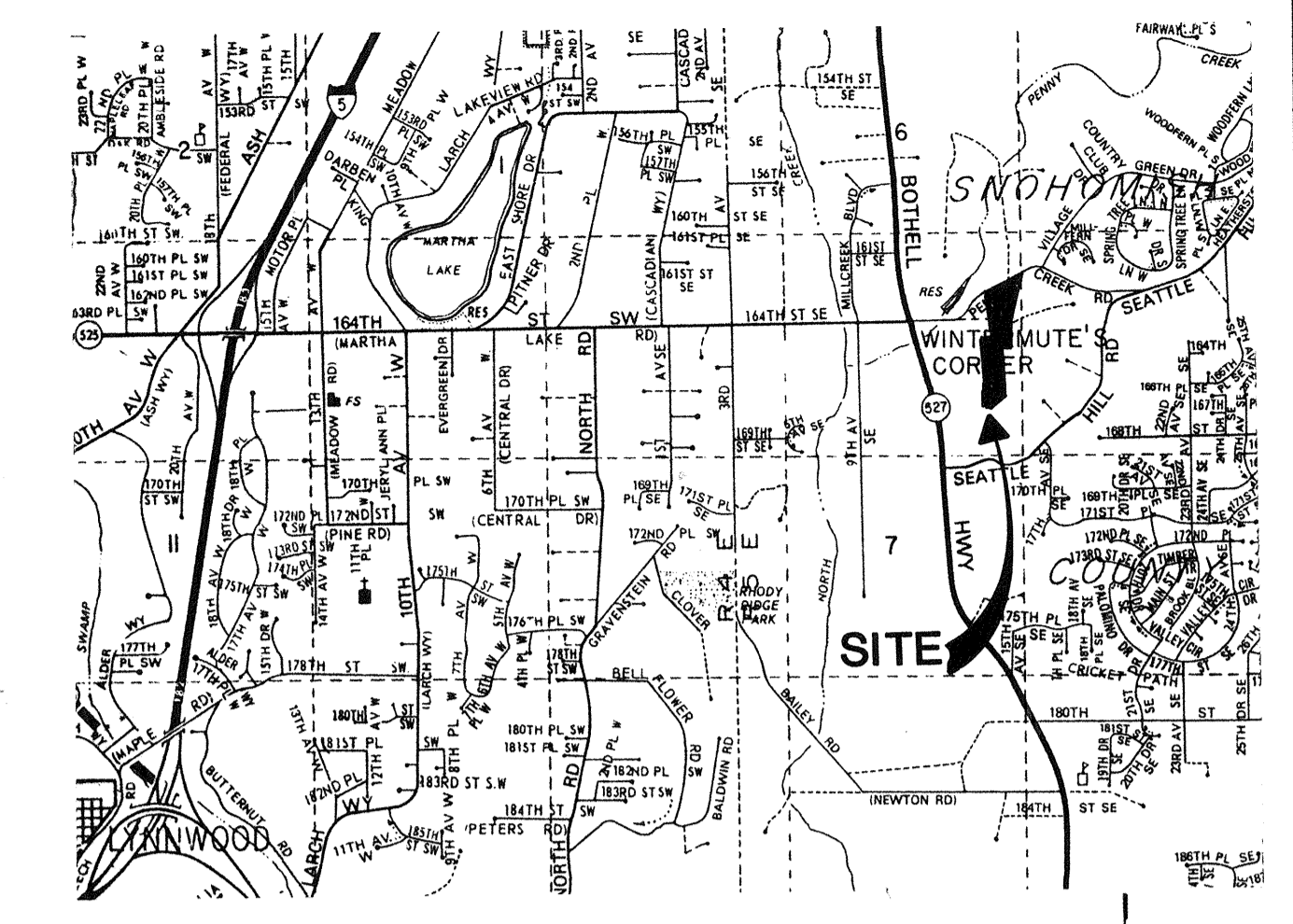
**DIVISION 2**  
SEE SHEET 2

**DIVISION 1**



CATCH BASIN STRAW BALE SUMP DETAIL

INTAKE DETAIL  
NO SCALE



VICINITY MAP

SHEET  
1 2

REVISIONS  
REVISION PER COUNTY  
REVIEW 2-23-83  
REVISION PER COUNTY  
REVIEW 2-23-83  
REVISION PER COUNTY  
REVIEW 2-23-83

**TRIAD ASSOCIATES**  
ENGINEERING SURVEYING PLANNING  
11415 N.E. 128th St. • Kirkland WA 98033 • (206) 821-9448

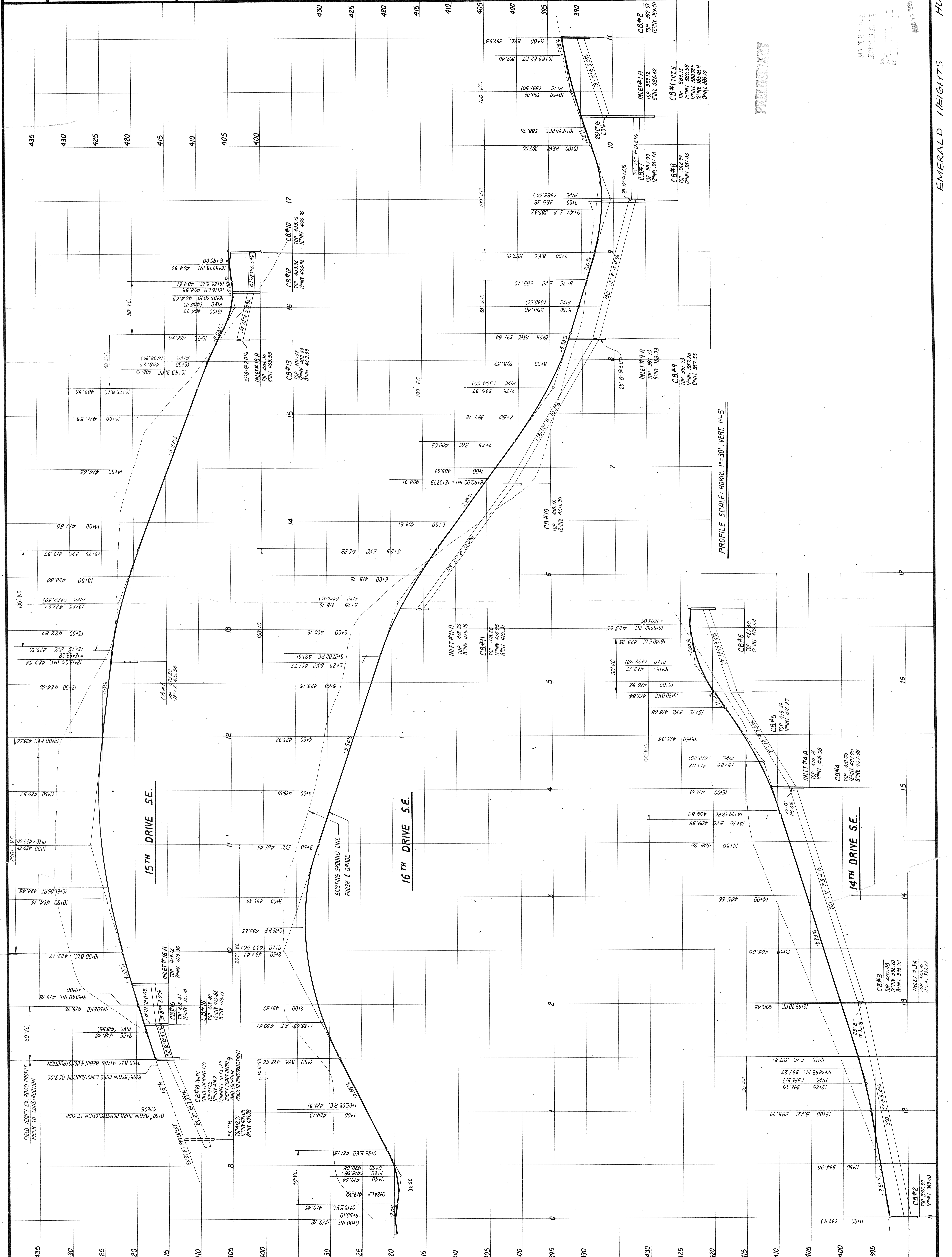
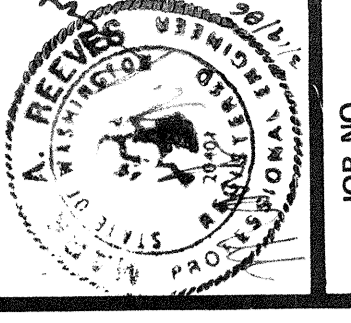
EROSION/SEDIMENTATION CONTROL PLAN  
**LEXINGTON LANE**  
WASHINGTON  
SNOHOMISH CO.

Date: JULY 19, 1983  
Designed: REL  
Drawn: L. SHIFFERD  
Checked: J. SHIFFERD  
Project Manager: ALAN D. EURE

JOB NO.  
83-101

EDGAR J. O'NEILL  
REGISTERED PROFESSIONAL ENGINEER  
NO. 10000  
WASHINGTON STATE

1-18-83



PROFILE SCALE: HORIZ. 1"=30', VERT. 1"=5'

RAILROAD

CITY OF MILL CREEK  
ZONING DEPARTMENT  
DATE: 8/13/88  
BY: [Signature]