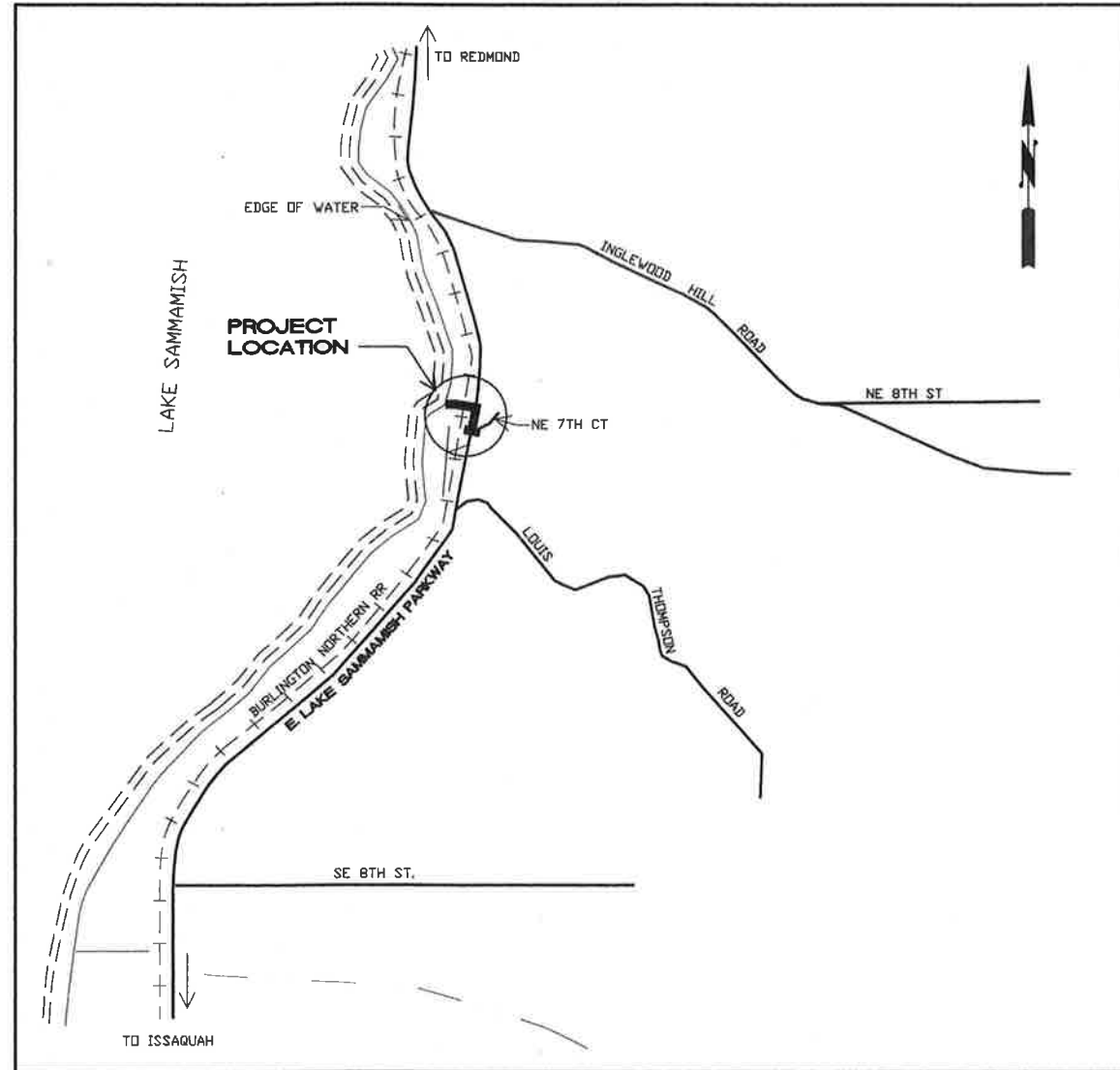
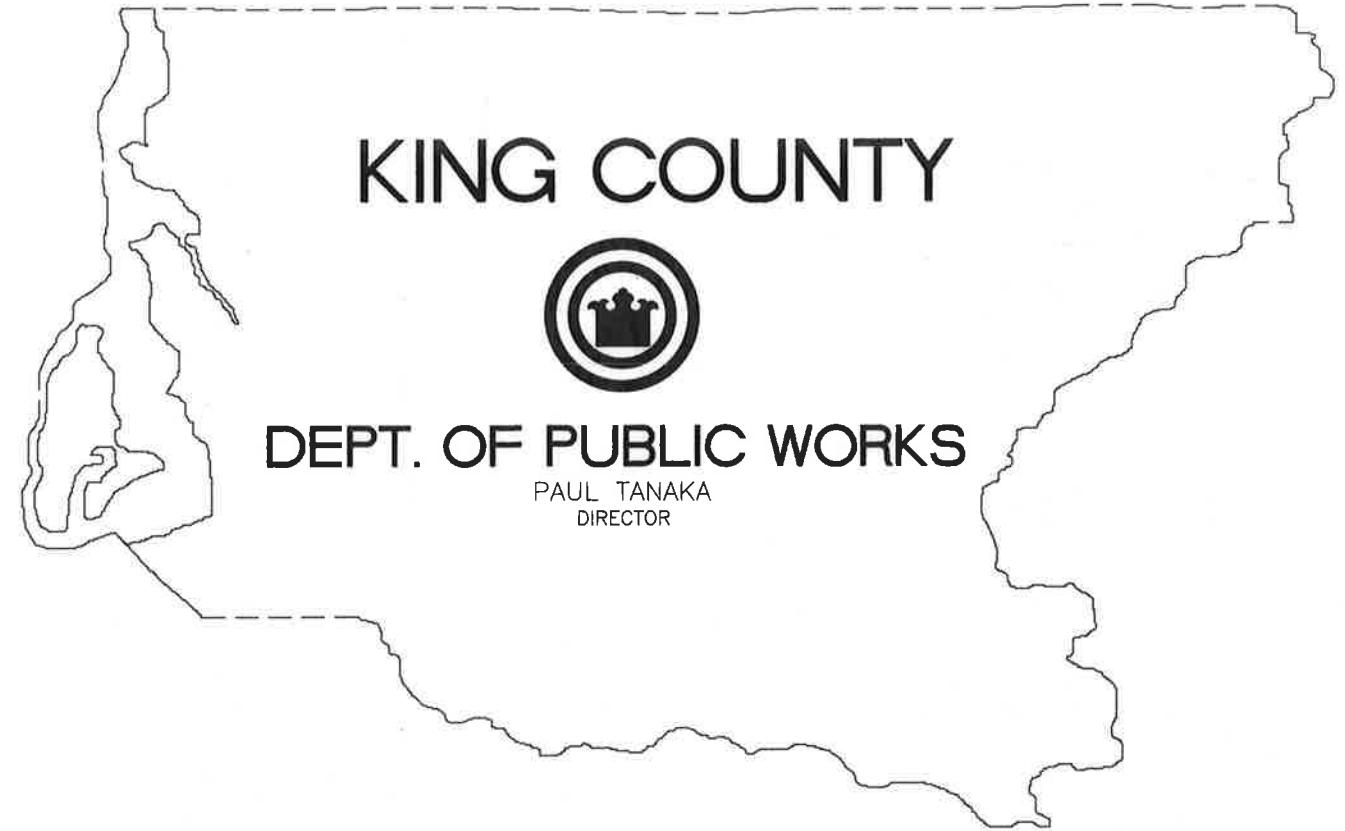


VICINITY MAP



INDEX

SHEET	DESCRIPTION
1	COVER
2	SUMMARY OF QUANTITIES
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4	BASE FLOW
5	OUTFALL
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7	BASE FLOW PROFILE
8	STRUCTURE NOTES
9	SEDIMENT CHAMBER
10	OUTLET STRUCTURE DETAILS
11	DETAILS
12	EROSION CONTROL DETAILS
13	LANDSCAPE PLAN



PAUL TANAKA  
DIRECTOR

# EDEN CREEK OVERFLOW CONVEYANCE SYSTEM

EAST LAKE SAMMAMISH PARKWAY-VICINITY OF NE 7TH CT.

**RECORD DRAWING**

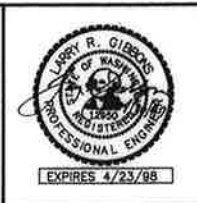
This drawing represents the results of construction; it does not further imply or warrant that facilities shown are "as built". Future work involving these facilities should be supported by actual field location and measurement at the time of the work.

CALL 2 DAYS  
BEFORE YOU DIG  
1-800-424-5555

AS-BUILT NO. 95-0500


SURVEYED:		APPROVED: <u>Larry R. Gibbons</u> DATE: <u>4/95</u>
BASE MAP PLOT:		PROJECT MANAGER: <u>Mike O'Neil</u> DATE: <u>3/95</u>
DESIGN PLOT:		DESIGNED: <u>Pricha Tuksaudom</u> DATE: <u>3/95</u>
CHECKED:		DESIGNED: <u>Lisa J. Williams</u> DATE: <u>3/95</u>
FIELD BOOK:		DRAWN: <u>MB</u> DATE: <u>3/95</u>
BY	DATE	REVISION
		<u>RECORD DRAWING</u> <u>MB</u> <u>3/97</u>

FED. AID No. _____
PROJECT No. <u>ON1005</u>
SURVEY No. <u>29-25-6-11</u>
MAINTENANCE DIVISION No. <u>2</u>



KING COUNTY PUBLIC WORKS  
PAUL TANAKA, DIRECTOR  
SURFACE WATER MANAGEMENT DIVISION

**EDEN CREEK  
OVERFLOW CONVEYANCE SYSTEM**  
COVER SHEET



SHEET  
1  
OF  
13  
SHEETS

2001-34 (1)

# SUMMARY OF QUANTITIES

PROJECT LIMITS:  
 FROM LAKE SAMMAMISH PKWY/ NE 7TH CT  
 TO LAKE SAMMAMISH  
 LENGTH: 0.11 Miles

ITEM NO.	TOTAL QUANTITY	UNIT	STD. ITEM NO.	ITEM	PROJECT NO.		AS-BUILT
					0N1005	2N1005	
PREPARATION							
1	LUMP SUM	L.S.	0001	MOBILIZATION	L.S.		
2	LUMP SUM	L.S.	0035	CLEARING AND GRUBBING	L.S.		
3	LUMP SUM	L.S.	0050	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.		
GRADING							
4	100	L.F.	0511	FILTER FABRIC FENCE	100		
DRAINAGE							
5	LUMP SUM	L.S.		SEDIMENT POND EXCAVATION INCL HAUL	L.S.		
6	2032	C.Y.	7006	STRUCTURE EXCAVATION CLASS B INCL HAUL	2032		
7	6100	S.F.	7003	SHORING CL. B (MINIMUM \$2.00/SQ. FT.)	6100		
8	240	C.Y.	7013	GRAVEL BACKFILL FOR PIPE BEDDING	240		
9	1324	C.Y.	7010	GRAVEL BACKFILL FOR TRENCH	1324		
10	40	TN	1083	STREAMBED GRAVEL	40		
11	120	L.F.	1184	SCHEDULE A CULV. PIPE 24 IN. DIAM	120		
12	3	EA		SPECIAL MANHOLE TYPE 4	3		
13	1	EA		SPECIAL MANHOLE TYPE 4 WITH BEND	1		
14	2	EA	3117	CATCH BASIN TYPE 2 72 IN. DIAM W/MANHOLE COVER	2		
15	22	L.F.		TR. 1 ST. SPIRAL RIB STORM SEWER PIPE 0.109 IN. TH. 18 IN. DIAM	22		
16	12	L.F.		TR. 1 ST. SPIRAL RIB STORM SEWER PIPE 0.109 IN. TH. 30 IN. DIAM	12		
17	44	L.F.		TR. 1 ST. SPIRAL RIB STORM SEWER PIPE 0.109 IN. TH. 48 IN. DIAM	44		
18	408	L.F.		TR. 1 ST. SPIRAL RIB STORM SEWER PIPE 0.109 IN. TH. 64 IN. DIAM	408		
19	68	L.F.		ALUMINIZED STEEL TYPE 2 60 IN. DIAM	68		
20	110	L.F.		DUCTILE IRON STORM DRAIN PIPE 48 IN. DIAM	110		
21	1	EA		57 DEGREE SPIRAL RIB BEND 0.109 TH. FOR 48 IN DIAM	1		
22	10	C.Y.	1087	SANDBAGS	10		
23	5	TN	1073	LIGHT LOOSE RIP RAP	5		
24	1	EA		18-IN. DIAM. DEWATERING STACK	1		
25	20	TN		6-IN. QUARRY ROCK	20		
26	LUMP SUM	LS		CONTROL CATCH BASIN	L.S.		
27	LUMP SUM	LS		OVERFLOW CATCH BASIN	L.S.		
28	LUMP SUM	LS		SECONDARY OVERFLOW CATCH BASIN	L.S.		
WATER LINES							
29	450	L.F.	3867	DUCTILE IRON PIPE FOR WATER MAIN 8 IN DIAM.	450		
30	22	L.F.	3865	DUCTILE IRON PIPE FOR WATER MAIN 4 IN DIAM.	22		
31	3	EA	6180	GATE VALVE 8 IN AND VALVE BOX	3		
32	1	EA	6150	GATE VALVE 4 IN AND VALVE BOX	1		
33	1	EA	3848	FIRE HYDRANT ASSEMBLY	1		
34	1	EA		SERVICE CONNECTION 1 IN DIAM	1		
35	1	EA		DUCTILE IRON REDUCER 4 IN DIAM X 2 IN DIAM	1		
36	8	EA		90 DEGREE DUCTILE IRON BEND 8 IN DIAM	8		
37	2	EA		45 DEGREE DUCTILE IRON BEND 4 IN DIAM	2		
38	3	EA		SHACKLE ROOS 3/4 IN DIAM	3		
39	1	EA		DUCTILE IRON TEE 8 IN X 8 IN X 4 IN	1		
40	80	L.F.		STEEL CASING PIPING	80		
41	485	L.F.		POLYETHYLENE ENCASEMENT	485		
STRUCTURE							
42	15	EACH		BOULDERS	15		
43	LUMP SUM	L.S.		OUTLET STRUCTURE	L.S.		
44	LUMP SUM	L.S.		FABRICATED SHEAR GATE	L.S.		
45	LUMP SUM	L.S.		DEBRIS STRUCTURE	L.S.		
46	5	EACH		LOG	5		
SURFACING							
47	158	TON	5120	CRUSHED SURFACING TOP COURSE	158		
CEMENT CONCRETE PAVEMENT							
48	147	S.Y.	5812	CEMENT CONC. PAVEMENT 3 DAY 0.75 FT SECTION	147		
49	44	EA	5885	DOWEL BAR	44		

ITEM NO.	TOTAL QUANTITY	UNIT	STD. ITEM NO.	ITEM	PROJECT NO.		AS-BUILT
					0N1005		
ASPHALT CONCRETE PAVEMENT							
50	70	TON	5787	ASPHALT CONC. PAVEMENT CL. B INCL. DRIVEWAYS	70		
EROSION CONTROL							
51	LUMP SUM	L.S.	6416	SEEDING, FERTILIZING, AND MULCHING	L.S.		
52	30	C.Y.	6438	TOPSOIL TYPE I	30		
53	200	S.Y.	6459	CLEAR PLASTIC COVERING	200		
54	200	S.Y.	6458	REMOVING PLASTIC COVERING	200		
55	EST2000	\$		TEMPORARY WATER POLLUTION/EROSION CONTROL	EST2000		
56	2	EA	6554	THUJA PLICATA (WESTERN RED CEDAR)	2		
57	10	EA	6558	ACER CIRCINATUM (VINE MAPLE)	10		
58	27	EA	6558	CORNUS STOLONIFERA (RED OSIER DOGWOOD)	27		
59	17	EA	6558	PHOTINA FRASERI (RED PHOTINA)	17		
60	26	EA	6558	RUBUS SPECTABILIS (SALMONBERRY)	26		
61	85	EA	6558	GAULTHERIA SHALLON (SALAL)	85		
62	28	EA	6558	POLYSTICHUM MUNITUM (SWORD FERN)	28		
63	11	EA	6558	MAHONIA AQUIFOLIUM COMPACTA (OREGON GRAPE)	11		
64	8	EA	6558	SALIX SCOULERIANA (SCOULER WILLOW)	8		
65	LUMP SUM	L.S.	6605	PLANT ESTABLISHMENT (\$1,000 MIN.)	L.S.		
66	20	EA		STRAWBALES	20		
TRAFFIC							
67	1400	HR	6656	SEQUENTIAL ARROW SIGN	1400		
68	40	EA	6654	TRAFFIC SAFETY DRUM	40		
69	1400	HR	6680	LABOR FOR TRAFFIC CONTROL AT FIXED PRICE	1400		
70	LUMP SUM	L.S.		SPECIAL BEAM GUARDRAIL	L.S.		
OTHER ITEMS							
71	40	M.GAL.	7018	WATER	40		
72	78	S.Y.	7185	SPECIAL ROCK FACING	78		
73	40	S.Y.	7552	CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION	40		
74	28	C.Y.		CONTROL DENSITY FILL	28		
75	LUMP SUM	LS		RAIL FENCE	L.S.		

## RECORD DRAWING

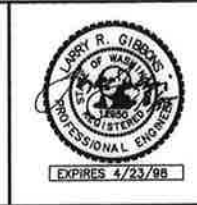
This drawing represents the results of construction; it does not further imply or warrant that facilities shown are "as built". Future work involving these facilities should be supported by actual field location and measurement at the time of the work.

CALL 2 DAYS  
 BEFORE YOU DIG  
 1-800-424-5555

AS-BUILT NO. 95-0501

SURVEYED: _____	APPROVED: <u>Larry R. Gibbons</u> DATE: <u>4/95</u>
BASE MAP PLOT: _____	PROJECT MANAGER: <u>Mike O'Neil</u> DATE: <u>3/95</u>
DESIGN PLOT: _____	DESIGNED: <u>Lisa J. Williams</u> DATE: <u>3/95</u>
CHECKED: _____	DRAWN: <u>MB</u> DATE: <u>3/95</u>
FIELD BOOK: _____	
BY _____ DATE _____	REVISION _____ BY _____ DATE _____

FED. AID No. _____	PROJECT No. <u>0N1005</u>
	SURVEY No. <u>29-25-6-11</u>
	MAINTENANCE DIVISION No. <u>2</u>



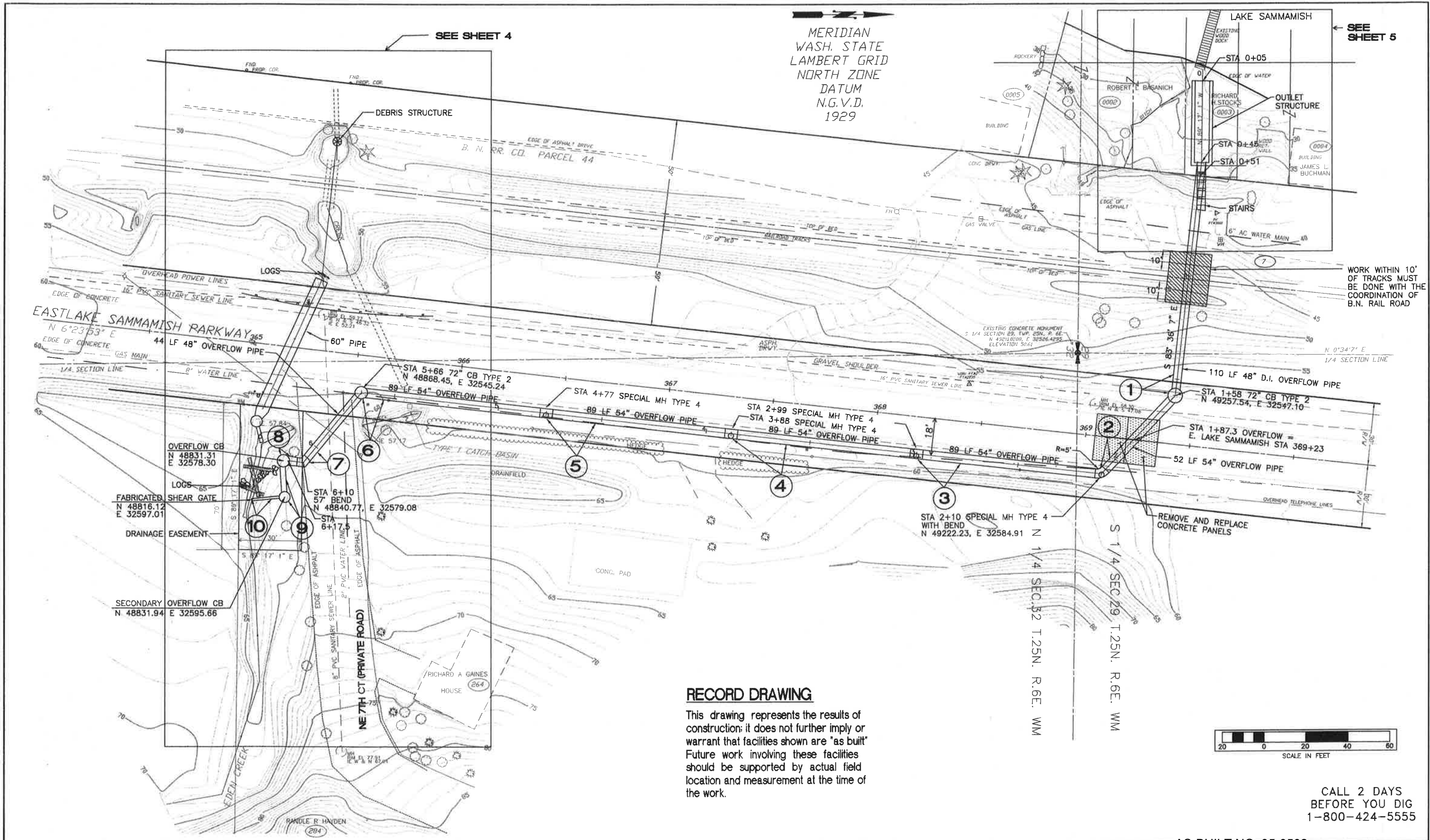
KING COUNTY PUBLIC WORKS  
 PAUL TANAKA, DIRECTOR  
 SURFACE WATER MANAGEMENT DIVISION

**EDEN CREEK  
 OVERFLOW CONVEYANCE SYSTEM**  
 SUMMARY OF QUANTITIES

2001-34 (2)

SHEET  
**2**  
 OF  
**13**  
 SHEETS

MERIDIAN  
WASH. STATE  
LAMBERT GRID  
NORTH ZONE  
DATUM  
N.G.V.D.  
1929



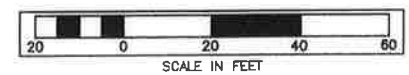
SEE SHEET 5

SEE SHEET 4

WORK WITHIN 10'  
OF TRACKS MUST  
BE DONE WITH THE  
COORDINATION OF  
B.N. RAIL ROAD

**RECORD DRAWING**

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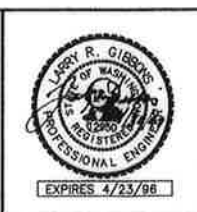
CALL 2 DAYS  
BEFORE YOU DIG  
1-800-424-5555

AS-BUILT NO. 95-0502

SURVEYED:					
BASE MAP PLOT:					
DESIGN PLOT:					
CHECKED:					
FIELD BOOK:					
BY	DATE	REVISION	BY	DATE	
		RECORD DRAWING	MB	3/97	

APPROVED: Larry R. Gibbons	DATE: 4/95
PROJECT MANAGER: Mike O'Neil	DATE: 3/95
DESIGNED: Pricha Tuksaudom	DATE: 3/95
DESIGNED: Lisa J. Williams	DATE: 3/95
DRAWN: MB	DATE: 3/95

FED. AID No.	
PROJECT No.	ON1005
SURVEY No.	29-25-6-11
MAINTENANCE DIVISION No.	2



AS-BUILT NO.	95-0502
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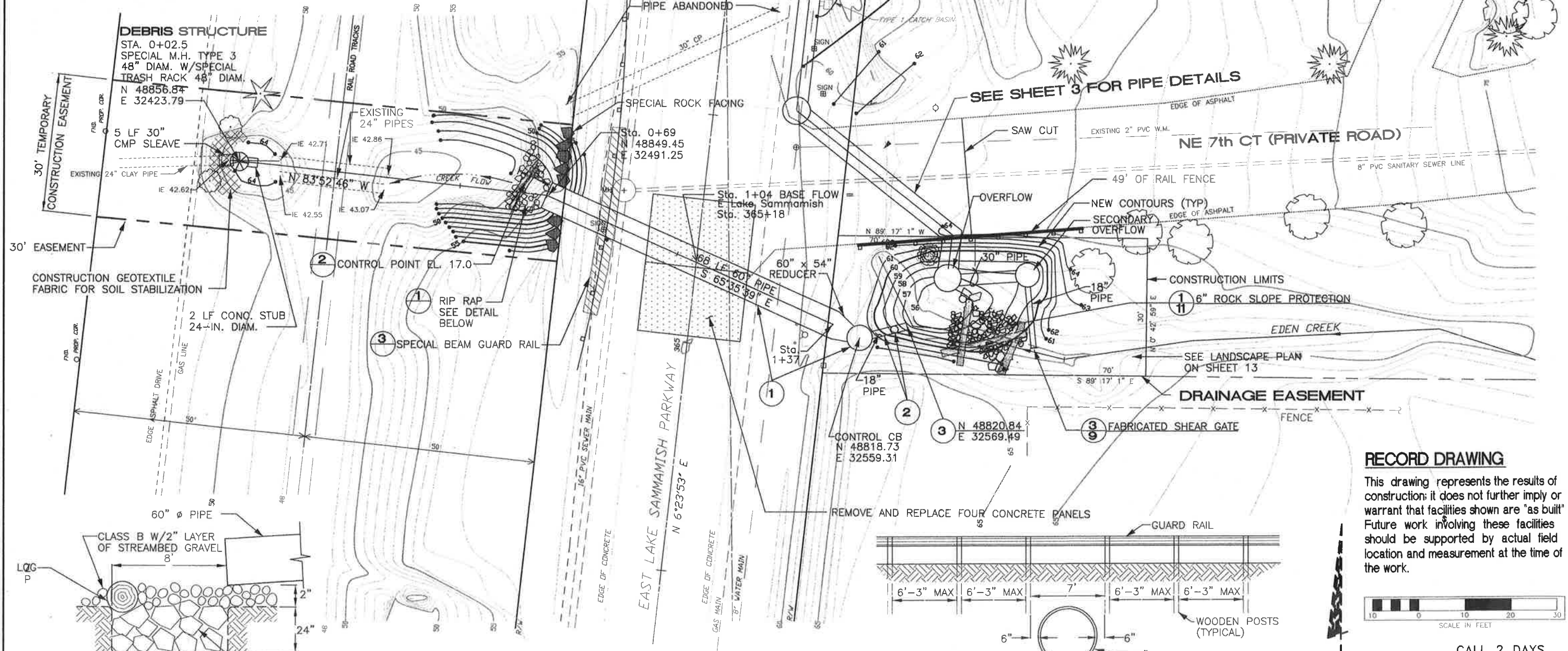
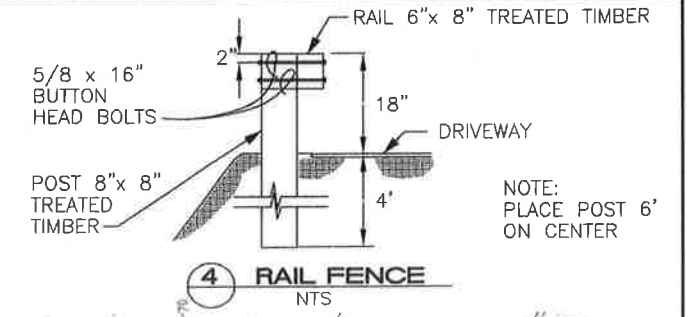
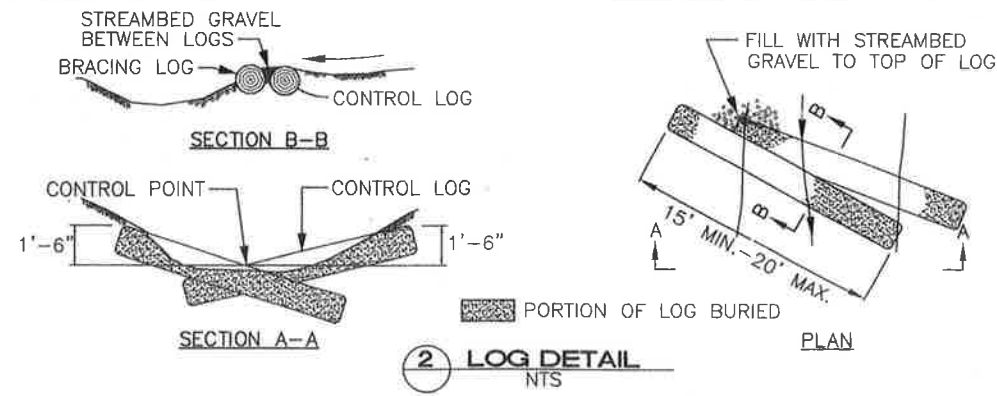
**KING COUNTY PUBLIC WORKS**  
PAUL TANAKA, DIRECTOR  
SURFACE WATER MANAGEMENT DIVISION

**EDEN CREEK  
OVERFLOW CONVEYANCE SYSTEM**  
PLAN

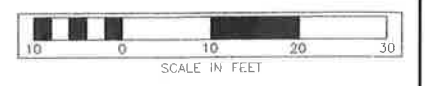
2001-34 (3)

SHEET  
3  
OF  
13  
SHEETS

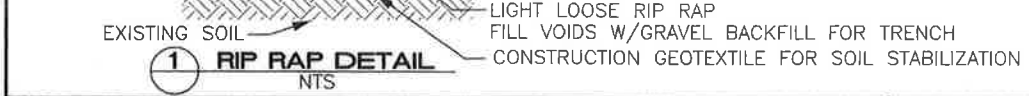
N 1/4 SEC.32 T.25.N R.6E W.M.



**RECORD DRAWING**  
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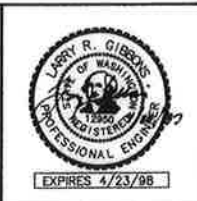
CALL 2 DAYS BEFORE YOU DIG  
 1-800-424-5555  
 AS-BUILT NO. 95-0503



CALL 2 DAYS BEFORE YOU DIG  
 1-800-424-5555

SURVEYED:		APPROVED: Larry R. Gibbons	DATE: 4/95
BASE MAP PLOT:		PROJECT MANAGER: Mike O'Neil	DATE: 3/95
DESIGN PLOT:		DESIGNED: Pricha Tuksaudom	DATE: 3/95
CHECKED:		DESIGNED: Lisa J. Williams	DATE: 3/95
FIELD BOOK:		DRAWN: MB	DATE: 3/95
BY:	DATE:	REVISION:	BY:
		RECORD DRAWING	MB 3/97

FED. AID No.	
PROJECT No.	ON1005
SURVEY No.	29-25-6-11
MAINTENANCE DIVISION No.	2

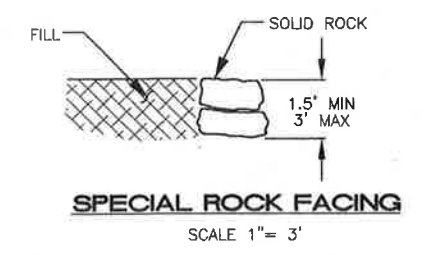
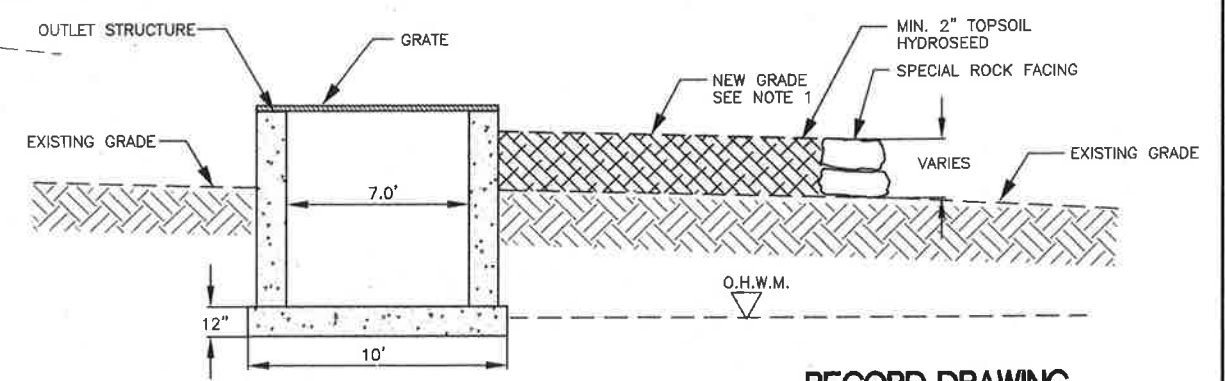
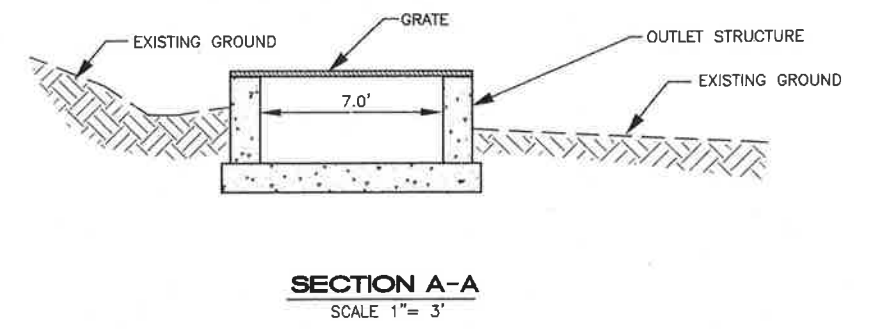
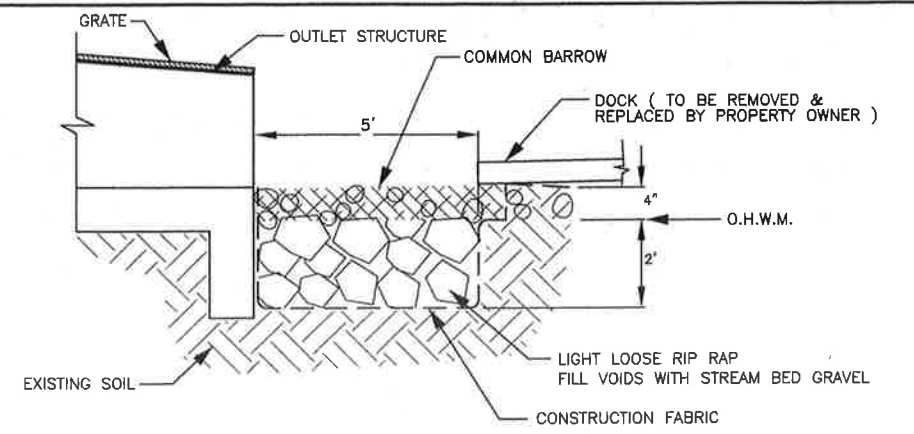
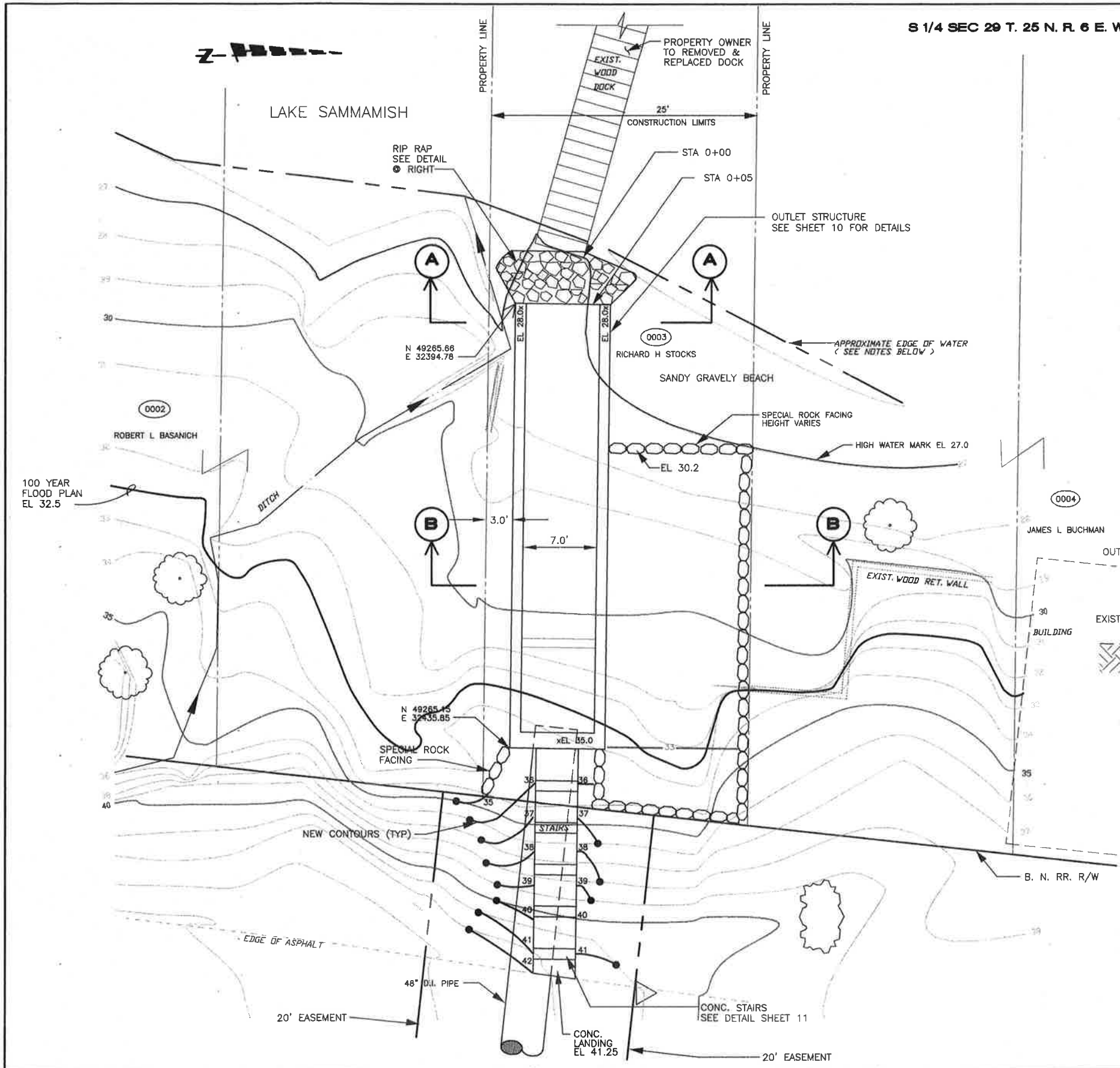


EXPRESSES 4/23/98

**KING COUNTY PUBLIC WORKS**  
 PAUL TANAKA, DIRECTOR  
 SURFACE WATER MANAGEMENT DIVISION  
**EDEN CREEK OVERFLOW CONVEYANCE SYSTEM**  
 BASE FLOW

SHEET 4 OF 13 SHEETS  
 2001-34(4)

S 1/4 SEC 20 T. 25 N. R. 6 E. WM



**RECORD DRAWING**

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- NOTES:
- EXCAVATED MATERIAL FROM FLUME AREA TO BE USED FOR FILL AREA @ ENGINEERS DISCRETION. EXCESS MATERIAL TO BE DISPOSED OF PER KING COUNTY SPECIFICATIONS
  - LAKE ELEVATION ON APRIL 1992 WAS 25.5 PER KING COUNTY SURVEY LAKE HIGH ELEVATION WAS 28.07, AND LOW ELEVATION WAS 25.3 BASED ON 1986 DATA
  - ALL AREAS DISTURBED SHALL BE HYDROSEED

AS-BUILT NO. 95-0504

SURVEYED:	APPROVED: Larry R. Gibbons DATE: 4/95
BASE MAP PLOT:	PROJECT MANAGER: Mike O'Neil DATE: 3/95
DESIGN PLOT:	DESIGNED: Pricha Tuksaudom DATE: 3/95
CHECKED:	DESIGNED: Lisa J. Williams DATE: 3/95
FIELD BOOK:	DRAWN: MB DATE: 3/95
BY DATE	REVISION
	MB 3/97

FED. AID No.	PROJECT No. ON1005
	SURVEY No. 29-25-6-11
	MAINTENANCE DIVISION No. 2



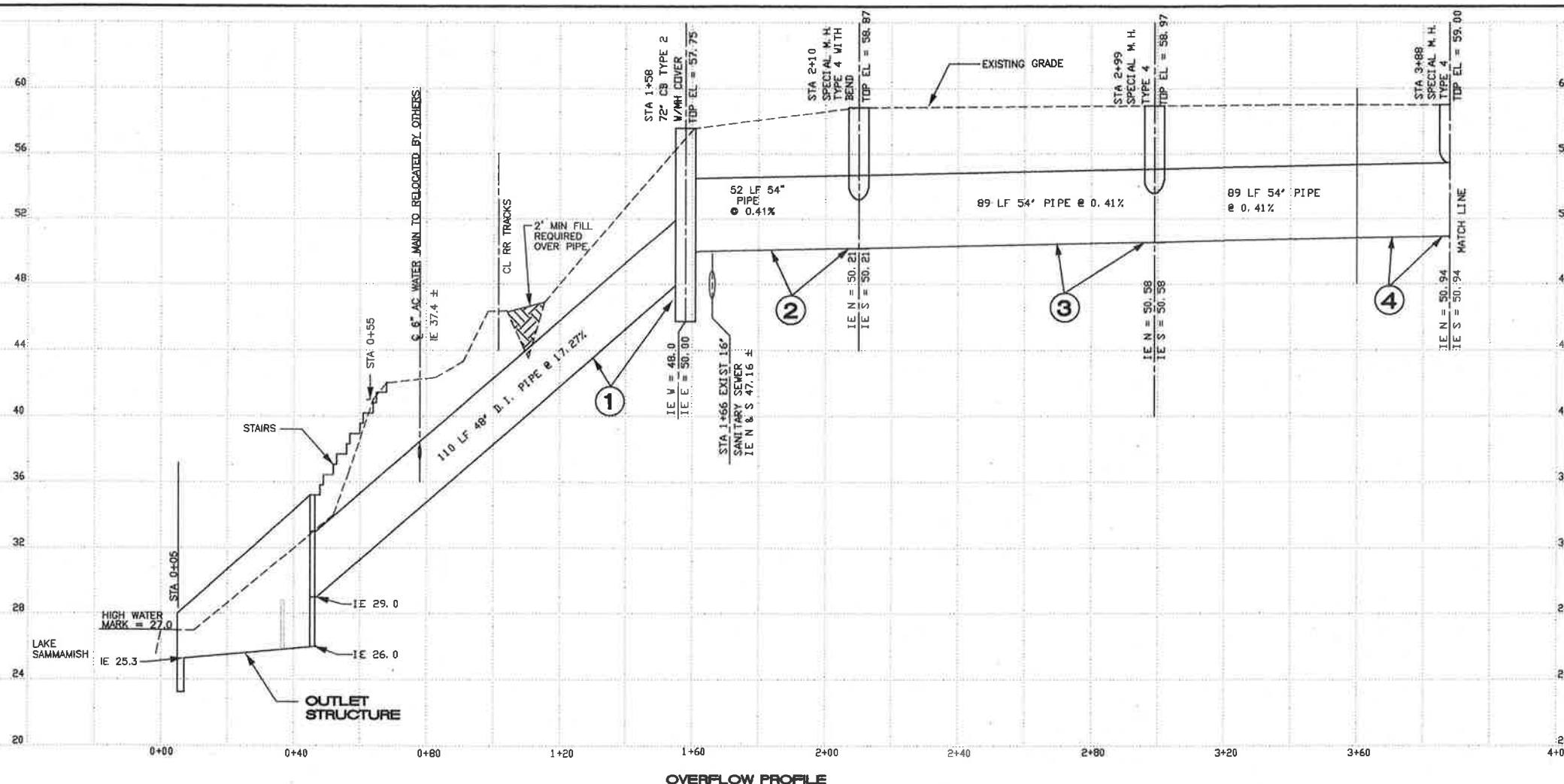
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PAUL TANAKA, DIRECTOR  
SURFACE WATER MANAGEMENT DIVISION  
**EDEN CREEK**  
**OVERFLOW CONVEYANCE SYSTEM**  
OUTFALL

**CALL 2 DAYS BEFORE YOU DIG**  
1-800-424-5555

AS-BUILT NO. 95-0504

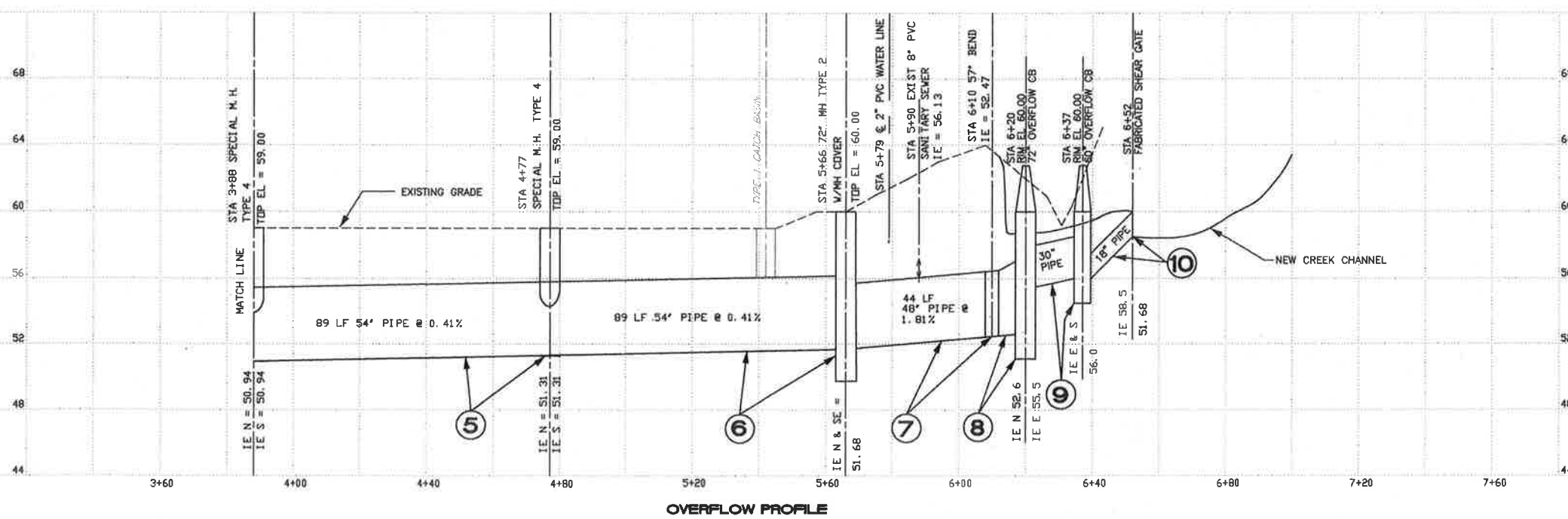
**2001-34 (5)**

SHEET 5 OF 13 SHEETS



CALL 2 DAYS BEFORE YOU DIG  
1-800-424-5555

OVERFLOW PROFILE



**RECORD DRAWING**  
This drawing represents the results of construction; it does not further imply or warrant that facilities shown are "as built". Future work involving these facilities should be supported by actual field location and measurement at the time of the work.

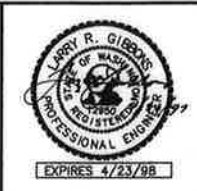
SCALE  
1" = 20' H  
1" = 4' V  
AS-BUILT NO. 95-05051



SURVEYED:				
BASE MAP PLOT:				
DESIGN PLOT:				
CHECKED:				
FIELD BOOK:				
BY	DATE	REVISION	BY	DATE
		RECORD DRAWING	MB	11/98

APPROVED: Larry R. Gibbons DATE: 4/9  
 PROJECT MANAGER: Mike O'Neil DATE: 3/95  
 DESIGNED: Pricha Tuksaudom DATE: 3/95  
Lisa J. Williams DATE: 3/95  
 DRAWN: MB DATE: 3/95

FED. AID No. \_\_\_\_\_  
 PROJECT No. ON1005  
 SURVEY No. 29-25-6-11  
 MAINTENANCE DIVISION No. 2

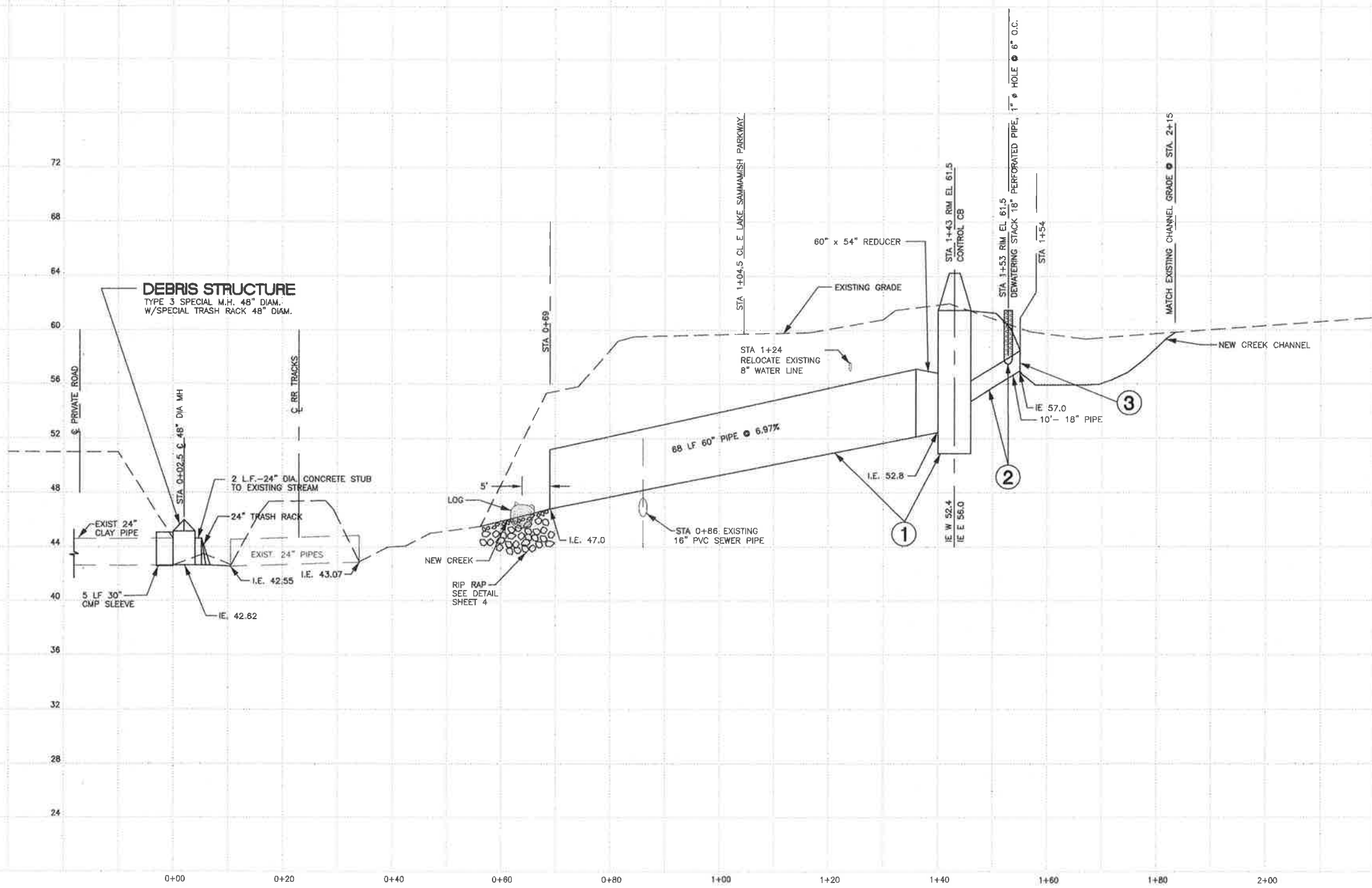


\_\_\_\_\_

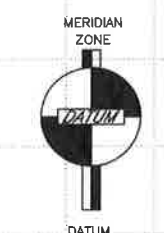
**KING COUNTY PUBLIC WORKS**  
 PAUL TANAKA, DIRECTOR  
 SURFACE WATER MANAGEMENT DIVISION  
**EDEN CREEK  
 OVERFLOW CONVEYANCE SYSTEM**  
 OVERFLOW PROFILE

**2001-34 (6)**

SHEET **6** OF **13** SHEETS



CALL 2 DAYS BEFORE YOU DIG  
1-800-424-5555



**RECORD DRAWING**  
This drawing represents the results of construction; it does not further imply or warrant that facilities shown are "as built". Future work involving these facilities should be supported by actual field location and measurement at the time of the work.

**BASE FLOW PROFILE**

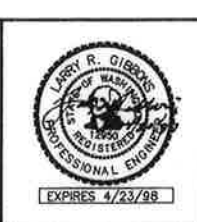
SCALE  
H 1" = 10'  
V 1" = 4'

AS-BUILT NO. 95-0506

SURVEYED:				
BASE MAP PLOT:				
DESIGN PLOT:				
CHECKED:				
FIELD BOOK:				
BY	DATE	REVISION	BY	DATE
		RECORD DRAWING	MB	3/97

APPROVED: Larry R. Gibbons DATE: 4/95  
 PROJECT MANAGER: Mike O'Neil DATE: 3/95  
Pricha Tukaoudom  
 DESIGNED: Lisa J. Williams DATE: 3/95  
 DRAWN: MB DATE: 3/95

FED. AID No. \_\_\_\_\_  
 PROJECT No. ON1005  
 SURVEY No. 29-25-6-11  
 MAINTENANCE DIVISION No. 2



**KING COUNTY PUBLIC WORKS**  
 PAUL TANAKA, DIRECTOR  
 SURFACE WATER MANAGEMENT DIVISION  
**EDEN CREEK**  
 OVERFLOW CONVEYANCE SYSTEM  
 BASE FLOW PROFILE

2001-34 (7)

SHEET 7 OF 13 SHEETS

# STRUCTURE NOTES

**NOTE**

THE FIRST NUMBER OF CODE DESIGNATION REFERS TO THE SHEET NUMBER OF THE CONTRACT PLANS. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THE PARTICULAR SHEET.

\*STRUCTURE EXCAVATION QUANTITIES FOR REMOVAL OF STRUCTURES AND OBSTRUCTIONS ARE FOR ESTIMATING PURPOSES ONLY, NOT FOR PAYMENT (SEE SPECIAL PROVISIONS)

- SEDIMENT POND EXCAVATION INCL. HAUL
- STRUCTURE EXCAVATION CL. B INCL. HAUL
- SHORING OR EXTRA EXCAV. CL. B
- GRAVEL BACKFILL FOR PIPE BEDDING (MIN. \$2.00/BD. FT.)
- SCHEDULE A CULVERT FOR TRENCH
- SPECIAL MANHOLE TYPE 4
- SPECIAL MANHOLE TYPE 4
- CATCH BASIN TYPE 2 72 IN. DIAM. W/MANHOLE COVER
- TR. 1 ST. SPIRAL RIB STORM SEWER PIPE 0.109 IN. TH. 18 IN. DIAM.
- TR. 1 ST. SPIRAL RIB STORM SEWER PIPE 0.109 IN. TH. 30 IN. DIAM.
- TR. 1 ST. SPIRAL RIB STORM SEWER PIPE 0.109 IN. TH. 48 IN. DIAM.
- ALUMINIZED STEEL TYPE 2 60 IN. DIAM.
- DUCTILE IRON STORM DRAIN PIPE 48 IN. DIAM.
- 57 DEGREE SPIRAL RIB BEND 0.109 IN. TH. 48 IN. DIAM.
- 18-IN. DIAM. DEWATERING STACK
- CONTROL CATCH BASIN
- OVERFLOW CATCH BASIN
- SECONDARY OVERFLOW CATCH BASIN
- FABRICATED SHEAR GATE
- CONTROL DENSITY FILL

CODE	STATION	L.S.	C.Y.	S.F.	C.Y.	C.Y.	L.F.	EA.	EA.	EA.	L.F.	L.F.	L.F.	L.F.	L.F.	EA.	EA.	L.S.	L.S.	L.S.	L.S.	C.Y.	Code	Remarks				
SHEET 3																												
	SEDIMENT POND	1																							3-1	EXCAVATE SEDIMENT POND		
3-1	STA 0+50 TO STA. 1+58		298	970	36	190										110									3-1	INSTALL TYPE 2 CATCH BASIN 72 IN. DIAM. AND 48 IN. DIAM PIPE		
3-2	STA. 1+58 TO STA. 2+10		167	530	17	115										52										3-2	INSTALL SPECIAL MANHOLE TYPE 4 W/BEND AND 54 IN. DIAM. PIPE	
3-3	STA. 2+10 TO STA. 2+99		271	885	28	186										89										3-3	INSTALL SPECIAL MANHOLE TYPE 4 AND 54 IN. DIAM. PIPE	
3-4	STA. 2+99 TO STA. 3+88		263	860	28	177										89										3-4	INSTALL SPECIAL MANHOLE TYPE 4 AND 54 IN. DIAM. PIPE	
3-5	STA. 3+88 TO STA. 4+77		257	839	28	171										89										3-5	INSTALL SPECIAL MANHOLE TYPE 4 AND 54 IN. DIAM. PIPE	
3-6	STA. 4+77 TO STA. 5+66		252	821	29	166										89										3-6	INSTALL TYPE 2 CATCH BASIN 72 IN. DIAM. AND 54 IN. DIAM. PIPE	
3-7	STA. 5+66 TO STA. 6+14		141	475	6	103																				3-7	INSTALL 57 DEGREE BEND AND 48 IN. DIAM. PIPE	
3-8	STA. 6+10 TO STA. 6+19.5		25		3	14																				3-8	INSTALL OVERFLOW CATCH BASIN	
3-9	STA. 6+19.5 TO STA. 6+37		14		2	8																				3-9	INSTALL SECONDARY CATCH BASIN AND 30 IN. DIAM. PIPE	
3-10	STA. 6+37 TO STA. 6+53		32		14	18																				3-10	INSTALL FABRICATED SHEAR GATE AND 18 IN. DIAM. PIPE	
SHEET 4																												
4-1	STA. 0+69 TO STA. 1+43		298	720	24	170										68										4-1	INSTALL 60 IN. DIAM PIPE AND CONTROL CATCH BASIN	
4-2	STA. 1+43 TO STA. 1+51		7		2	3																					4-2	INSTALL DEWATERING STACK AND 18-IN. DIAM. PIPE
4-3	STA. 1+51 TO STA. 1+54		7		2	3																					4-3	INSTALL 18-IN. DIAM. PIPE
SHEET 12																												
12-1	STA. 6+37 TO STA. 6+53						120																			12-1	INSTALL SCHEDULE A CULV. PIPE 24 IN. DIAM. (BYPASS)	
TOTALS		L.S.	2032	6100	240	1324	120	3	1	2	22	12	44	408	68	110	1	1	1	1	1	1	1	1	1	29		

**ABBREVIATIONS**

- C.B. CATCH BASIN
- D.I. DUCTILE IRON
- F.B. FLAT BAR
- MH. MAN HOLE
- M.J. MECHANICAL JOINT
- S.S. STAINLESS STEEL

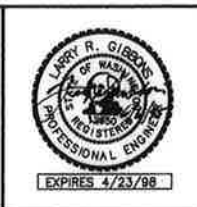
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AS BUILT NO. 95-0507

SURVEYED:				
BASE MAP PLOT:				
DESIGN PLOT:				
CHECKED:				
FIELD BOOK:				
BY	DATE	REVISION	BY	DATE
			MB	3/97

APPROVED: <u>Larry R. Gibbons</u>	DATE: <u>4/8</u>
PROJECT MANAGER: <u>Mike O'Neil</u>	DATE: <u>3/95</u>
DESIGNED: <u>Pricha Tuksaudom</u>	DATE: <u>3/95</u>
DESIGNED: <u>Lisa J. Williams</u>	DATE: <u>3/95</u>
DRAWN: <u>MB</u>	DATE: <u>3/95</u>

FED. AID No. _____
PROJECT No. <u>0N1005</u>
SURVEY No. <u>29-25-6-11</u>
MAINTENANCE DIVISION No. <u>2</u>



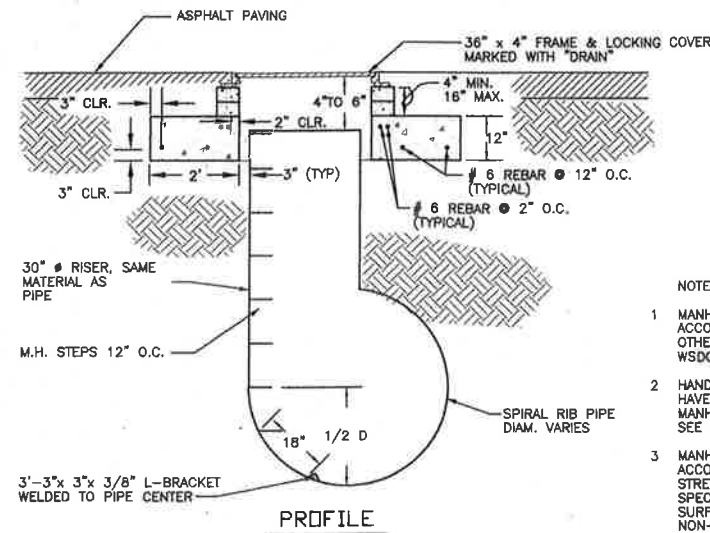
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**KING COUNTY PUBLIC WORKS**  
PAUL TANAKA, DIRECTOR  
SURFACE WATER MANAGEMENT DIVISION  
**EDEN CREEK**  
**OVERFLOW CONVEYANCE SYSTEM**  
STRUCTURE NOTES

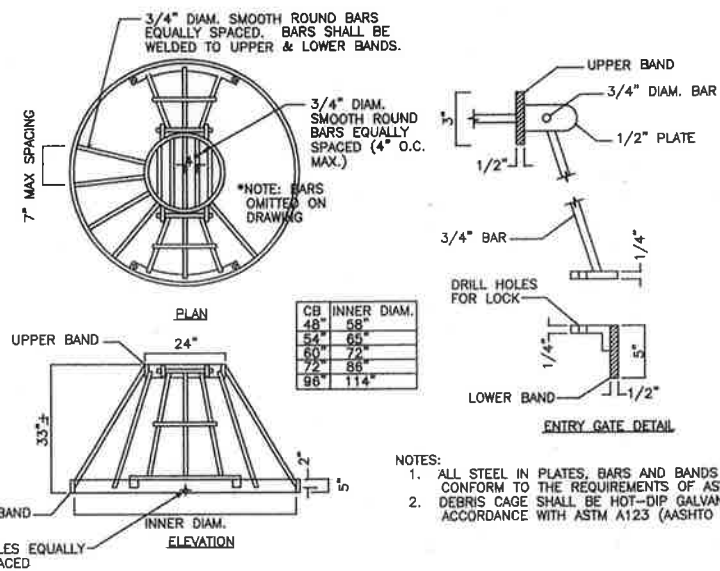
SHEET  
**8**  
OF  
**13**  
SHEETS

**2001-34 (8)**

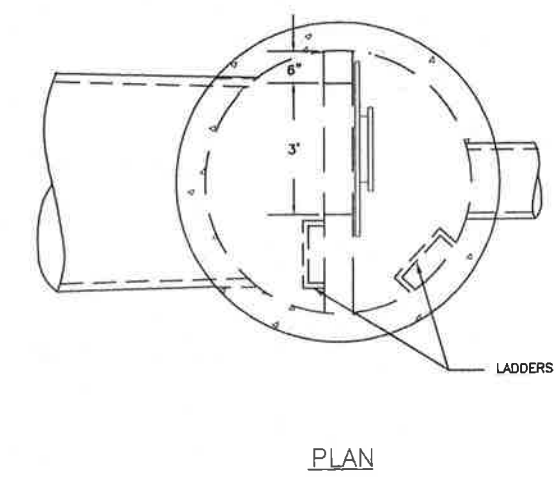




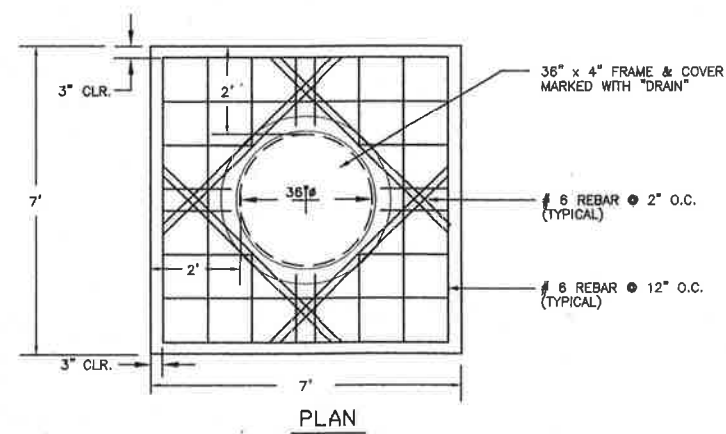
- NOTES:
- MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M199 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN WSDOT/APWA STANDARD SPECIFICATIONS.
  - HANDHOLDS IN ADJUSTED SECTION SHALL HAVE 3" MIN. CLEARANCE. STEPS IN MANHOLE SHALL HAVE 6" MIN. CLEARANCE. SEE DWG. NO. 2-011, "MANHOLE DETAILS."
  - MANHOLE RINGS AND COVERS SHALL BE IN ACCORDANCE WITH SEC. 7.05 AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION RR-F-821-D. MATING SURFACES SHALL BE FINISHED TO ASSURE NON-ROCKING FIT WITH ANY COVER POSITION.
  - FOR DETAILS SHOWING GRADE RING, LADDER STEPS, HANDHOLDS, AND TOP SLABS, SEE DWG. NO. 2-011, "MANHOLE DETAILS."



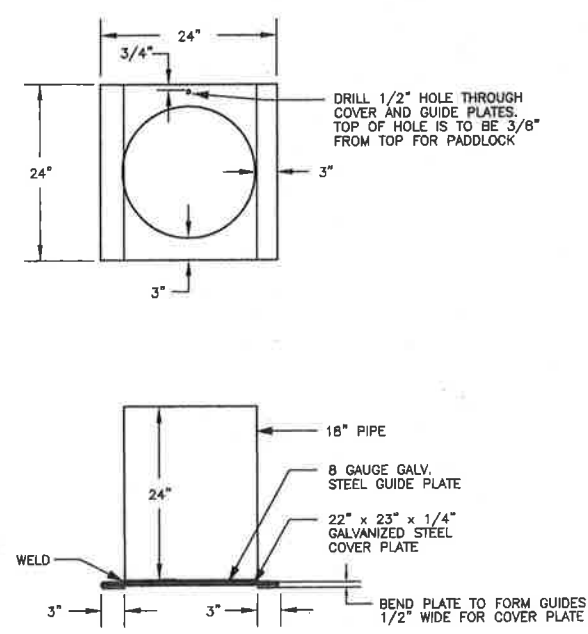
- NOTES:
- ALL STEEL IN PLATES, BARS AND BANDS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36.
  - DEBRIS CAGE SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 (AASHTO M111).



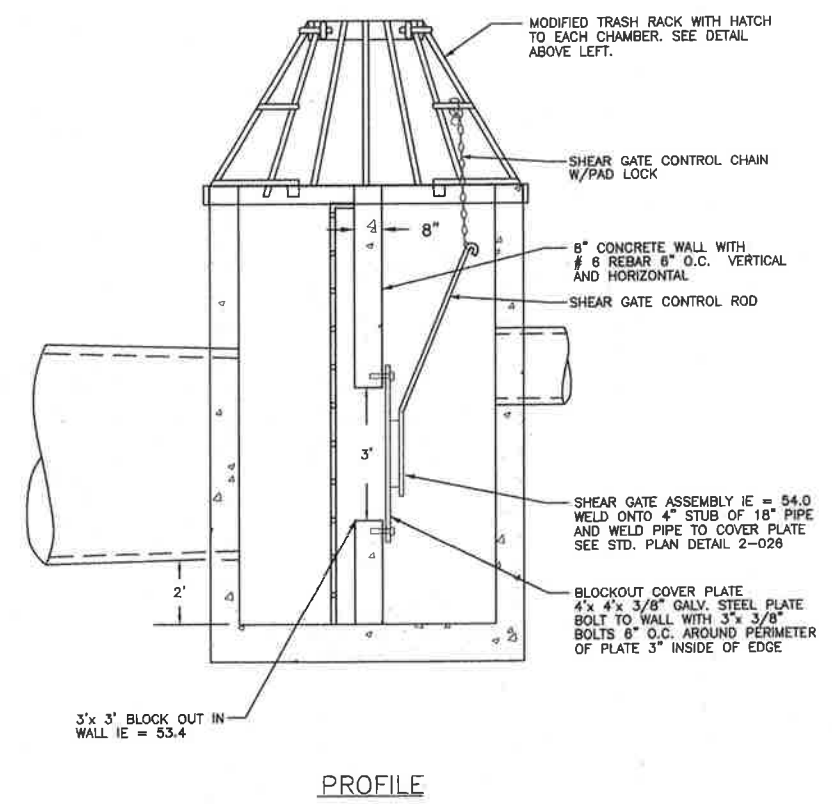
**4 DEBRIS CAGE W/TWO HATCHES**  
NTS



**2 SPECIAL MANHOLE TYPE 4**  
NTS  
MAY SUBSTITUTE WITH STANDARD 72" PRECAST FLAT LID WITH 36" OPENING



**3 FABRICATED SHEAR GATE**  
NTS



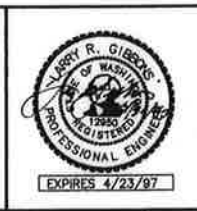
**5 72" CONTROL CATCH BASIN**

**RECORD DRAWING**

This drawing represents the results of construction; it does not further imply or warrant that facilities shown are "as built". Future work involving these facilities should be supported by actual field location and measurement at the time of the work.

SURVEYED:		APPROVED: Larry R. Gibbons	DATE: 4/95
BASE MAP PLOT:		PROJECT MANAGER: Mike O'Neil	DATE: 3/95
DESIGN PLOT:		DESIGNED: Lisa J. Williams	DATE: 3/95
CHECKED:		DRAWN: MB	DATE: 3/95
FIELD BOOK:			
BY:	DATE:	REVISION:	BY:
		RECORD DRAWING	MB 3/97

FED. AID No. _____	PROJECT No. ON1005	MAINTENANCE DIVISION No. 2
PROJECT No. 29-25-6-11		

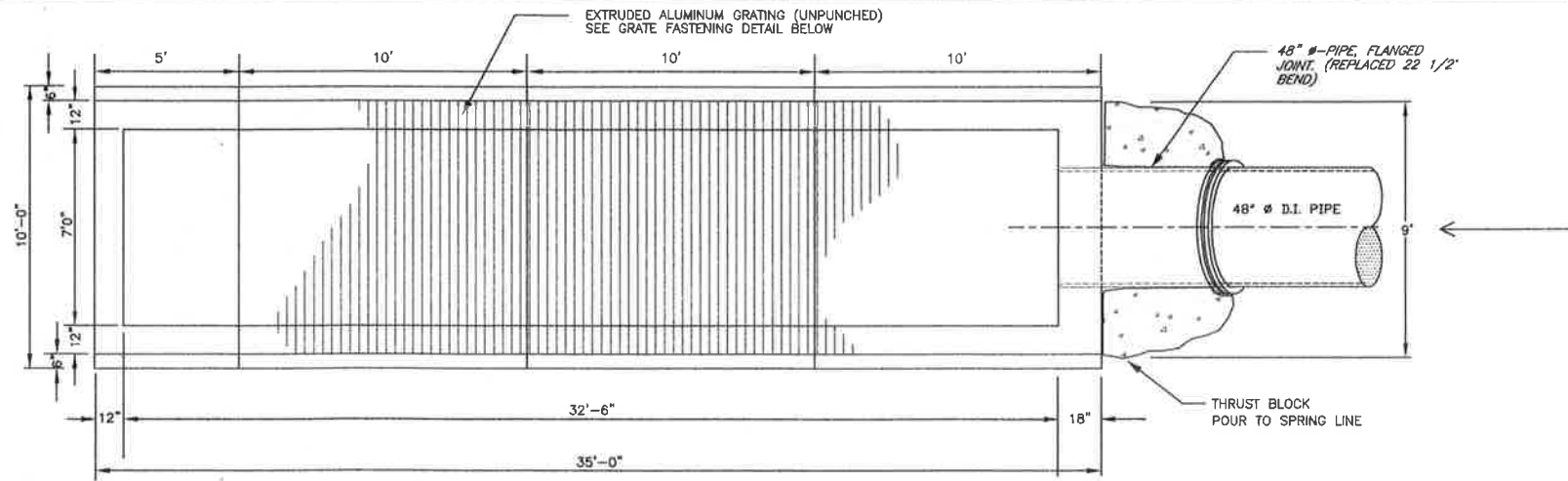


AS-BUILT NO. 95-0508

**KING COUNTY PUBLIC WORKS**  
PAUL TANAKA, DIRECTOR NTS  
SURFACE WATER MANAGEMENT DIVISION  
**EDEN CREEK**  
**OVERFLOW CONVEYANCE SYSTEM**  
SEDIMENT CHAMBER

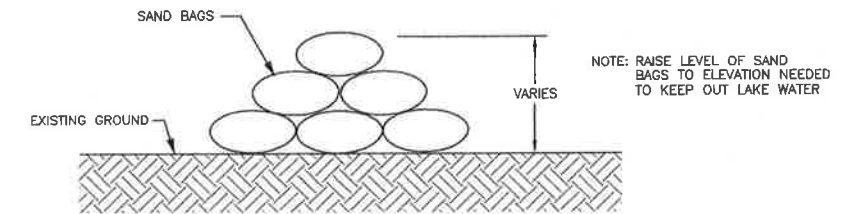
**2001-34 (9)**

SHEET **9** OF **13** SHEETS



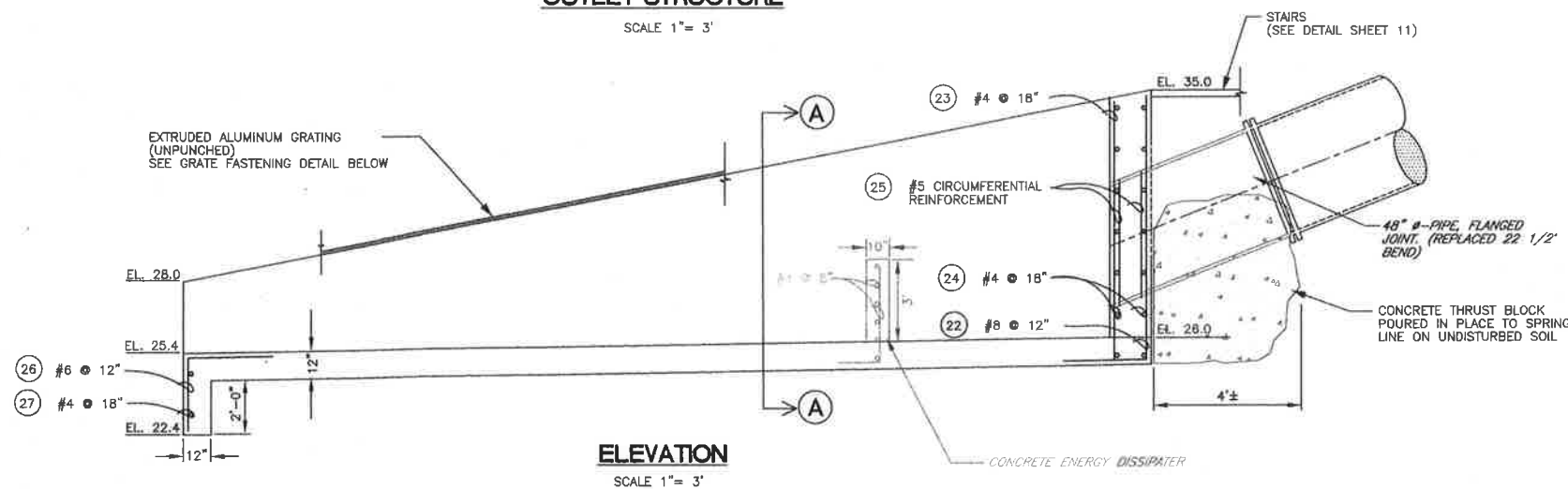
**OUTLET STRUCTURE**

SCALE 1" = 3'



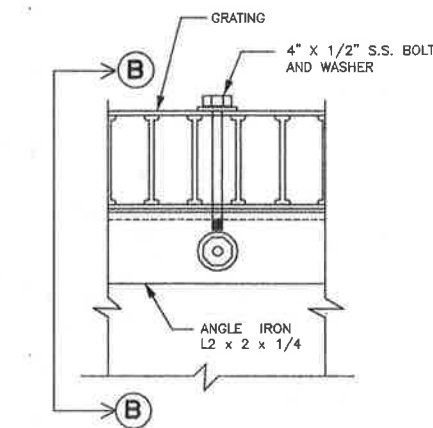
**SAND BAG DETAIL**

NTS



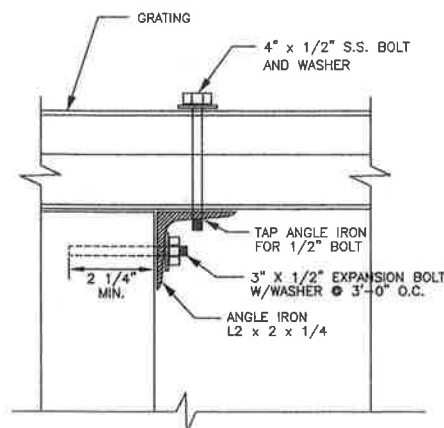
**ELEVATION**

SCALE 1" = 3'



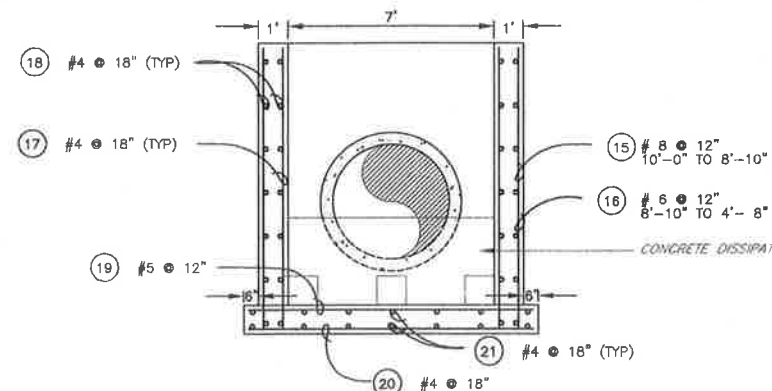
**GRATE FASTENING DETAIL**

NTS



**SECTION B-B**

NTS



**SECTION A-A**

NTS

LOCATION	DESCRIPTION	BAR	SPACE	LENGTH	NO. OF BAR
15 CHANNEL WALLS NORTH/SOUTH	OUTSIDE VERTICAL	#8	12"	VARIES	11
16 CHANNEL WALLS NORTH/SOUTH	OUTSIDE VERTICAL	#6	12"	VARIES	24
17 CHANNEL WALLS NORTH/SOUTH	INSIDE, VERTICAL STRAIGHT	#4	18"	VARIES	24
18 CHANNEL WALLS NORTH/SOUTH	OUTSIDE/INSIDE HORIZONTAL	#4	18"	VARIES	24
19 CHANNEL SLAB	TRANSVERSE TOP, STRAIGHT	#5	12"	9'-8"	36
20 CHANNEL SLAB	TRANSVERSE BOTTOM, STRAIGHT	#4	18"	9'-8"	24
21 CHANNEL SLAB	LONGITUDINAL TOP/BOTTOM	#4	18"	34'-8"	14
22 CHANNEL WALL EAST	OUTSIDE VERTICAL	#8	12"	12'-8"	8
23 CHANNEL WALL EAST	INSIDE VERTICAL, STRAIGHT	#4	18"	9'-8"	8
24 CHANNEL WALL EAST	HORIZONTAL INSIDE/OUTSIDE	#4	18"	VARIES	12
25 CHANNEL WALL EAST	INSIDE & OUTSIDE CIRCUMFERENTIAL	#6	8"	18'-9"	2
26 CUT OFF WALL	OUTSIDE VERTICAL	#6	12"	5'-8"	10
27 CUT OFF WALL EAST	OUTSIDE, HORIZONTAL STRAIGHT	#4	18"	9'-9"	2

REBAR SCHEDULE
15 16 26 #6 @ 12"
22 #8 @ 12"
25 #5 @ 8"
24 #4 @ 18"

**RECORD DRAWING**

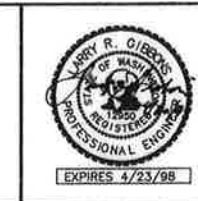
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AS-BUILT NO. 95-0509

CALL 2 DAYS BEFORE YOU DIG  
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SURVEYED:		APPROVED: Larry R. Gibbons	DATE: 4/95
BASE MAP PLOT:		PROJECT MANAGER: Mike O'Neil	DATE: 3/95
DESIGN PLOT:		DESIGNED: Pricha Tuksaudom	DATE: 3/95
CHECKED:		DRAWN: MB	DATE: 3/95
FIELD BOOK:			
BY:	DATE:	REVISION:	BY: DATE:

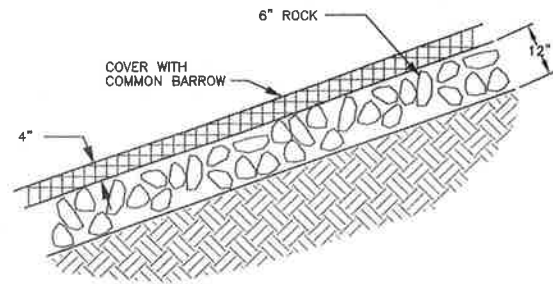
FED. AID No.:	
PROJECT No.:	ON1005
SURVEY No.:	29-25-6-11
MAINTENANCE DIVISION No.:	2



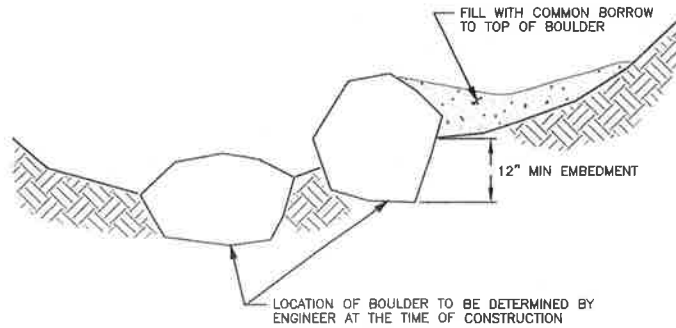
KING COUNTY PUBLIC WORKS  
PAUL TANAKA, DIRECTOR  
SURFACE WATER MANAGEMENT DIVISION

**EDEN CREEK  
OVERFLOW CONVEYANCE SYSTEM  
OUTLET STRUCTURE DETAIL**

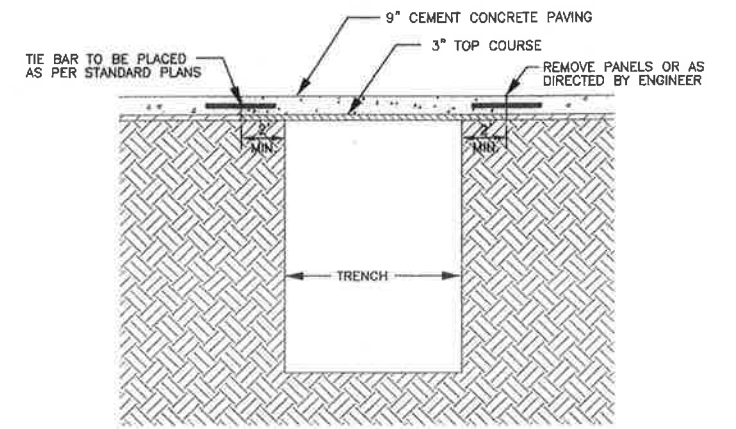
2001-34 (10)  
SHEET 10 OF 13 SHEETS



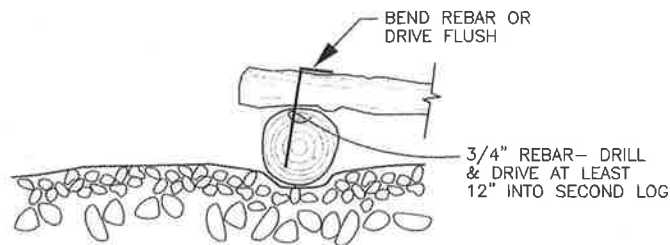
**1 6" ROCK SLOPE PROTECTION**  
NTS



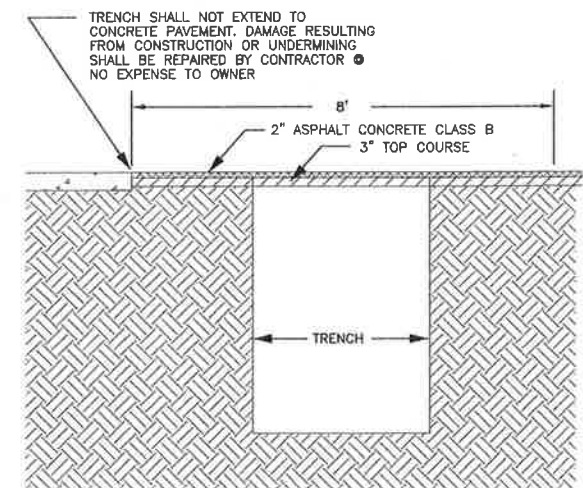
**5 INDIVIDUAL BOULDER PLACEMENT DETAIL**  
NTS



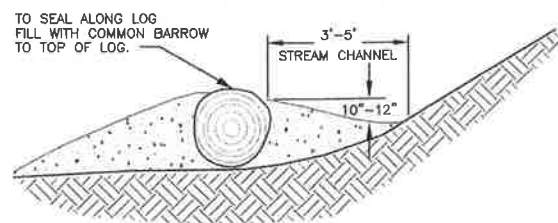
**CONCRETE PATCH DETAIL**  
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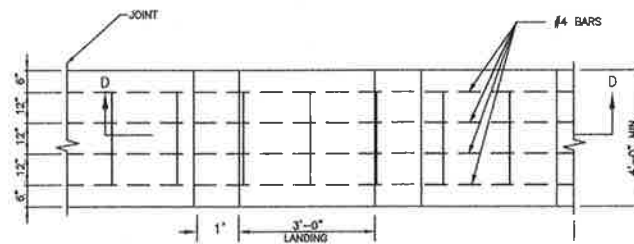
**2 REBAR PINNING DETAIL**  
NTS



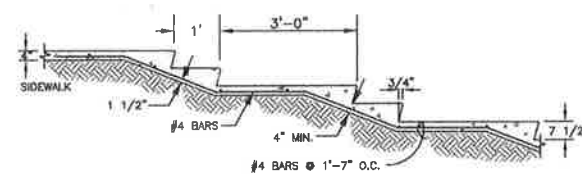
**SHOULDER RESTORE DETAIL**  
NTS



**4 LOG PLACEMENT DETAIL**  
NTS



**PLAN**



**SECTION D-D**

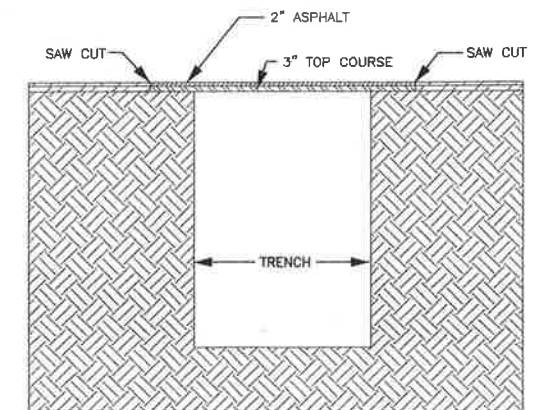
**STAIR DETAIL**  
NTS

**NOTES FOR CONCRETE STEPS:**

1. CONCRETE: CEMENT CONCRETE CLASS 3000.
2. ALL STEPS: SAME DIMENSIONS, WITHIN 3/8" MAX. DIFFERENCE.
3. RISERS: 7 1/2" MAX.
4. TREADS: 12" MAX., 11" MIN., WITH TRANSVERSE 0.01 FT./FT. SLOPE.
6. REINFORCING BARS SHALL MEET THE REQUIREMENTS OF ASTM A-615, GRADE 60.

**RECORD DRAWING**

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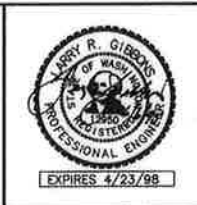
**DRIVEWAY PATCH DETAIL**  
NTS

AS BUILT NO. 95-0510

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BASE MAP PLOT:			
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BY	DATE	REVISION	BY DATE
		RECORD DRAWING	MB 3/97

APPROVED: Larry R. Gibbons	DATE: 4/97
PROJECT MANAGER: Mike O'Neil	DATE: 3/95
DESIGNED: Pricha Tucksaudom	DATE: 3/95
DESIGNED: Lisa J. Williams	DATE: 3/95
DRAWN: MB	DATE: 3/95

FED. AID No.	
PROJECT No.	ON1005
SURVEY No.	29-25-6-11
MAINTENANCE DIVISION No.	2



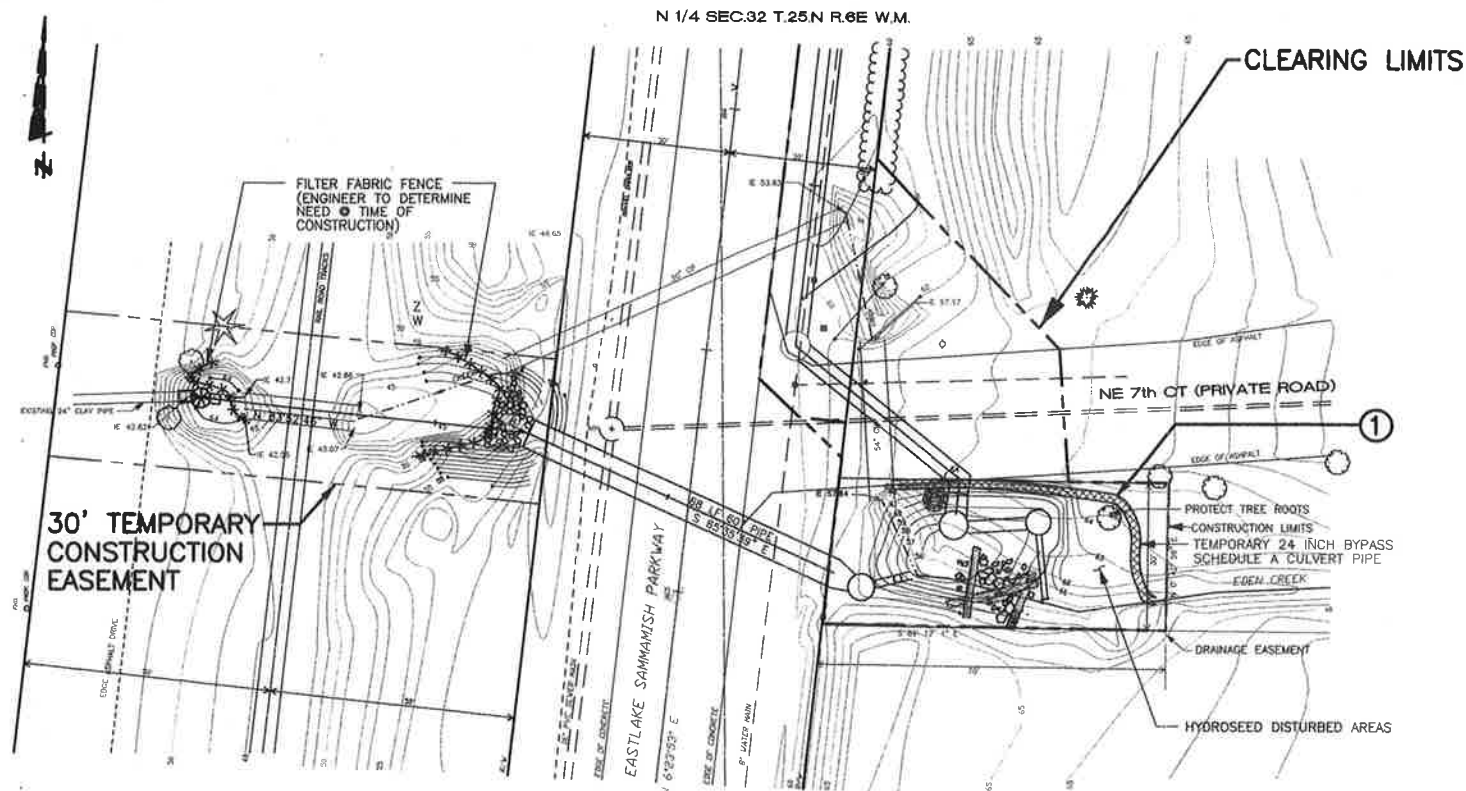
MAINTENANCE DIVISION No. 2

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SURFACE WATER MANAGEMENT DIVISION  
**EDEN CREEK**  
**OVERFLOW CONVEYANCE SYSTEM**  
DETAILS

AS BUILT NO. 95-0510

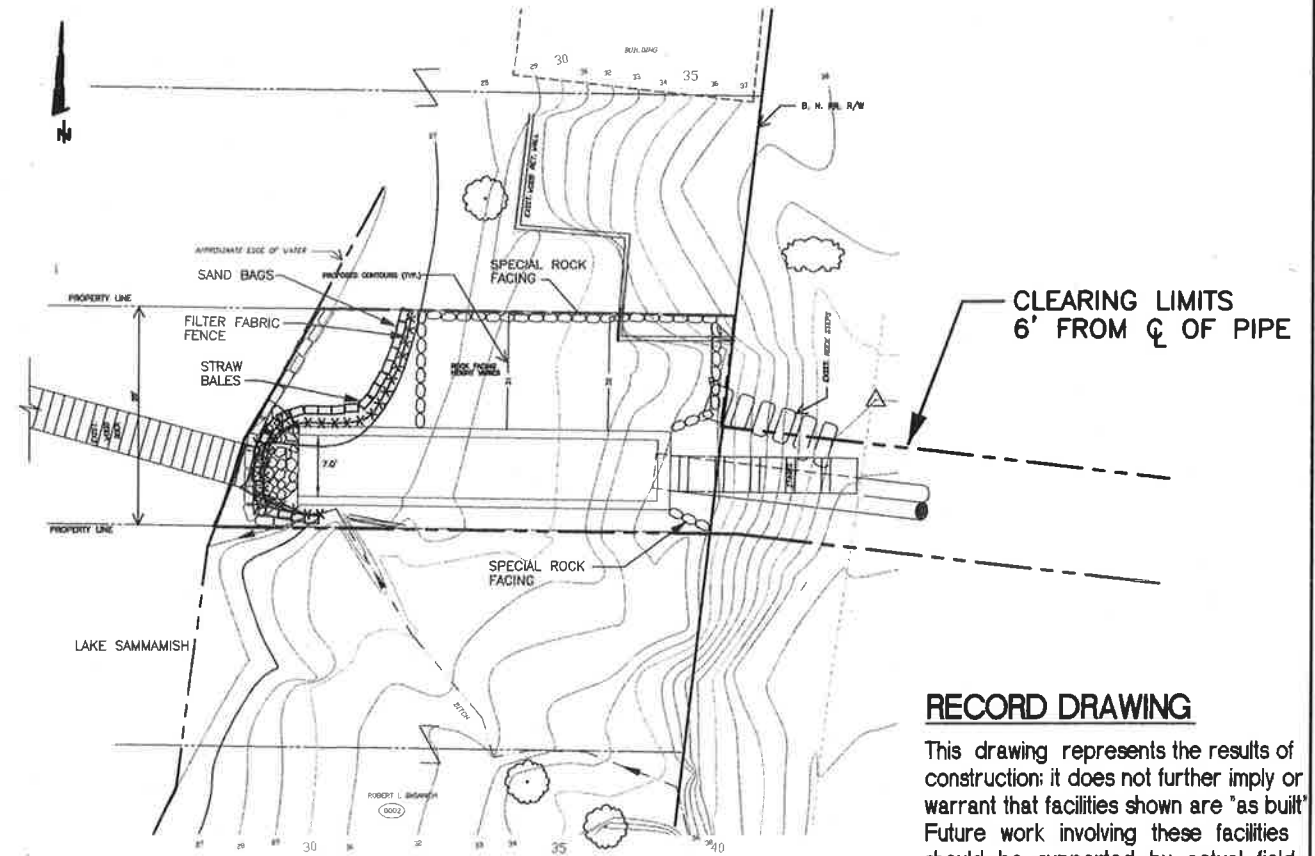
SHEET 11 OF 13 SHEETS

2001-34 (11)



EDEN CREEK BASE FLOW

SCALE 1" = 30'

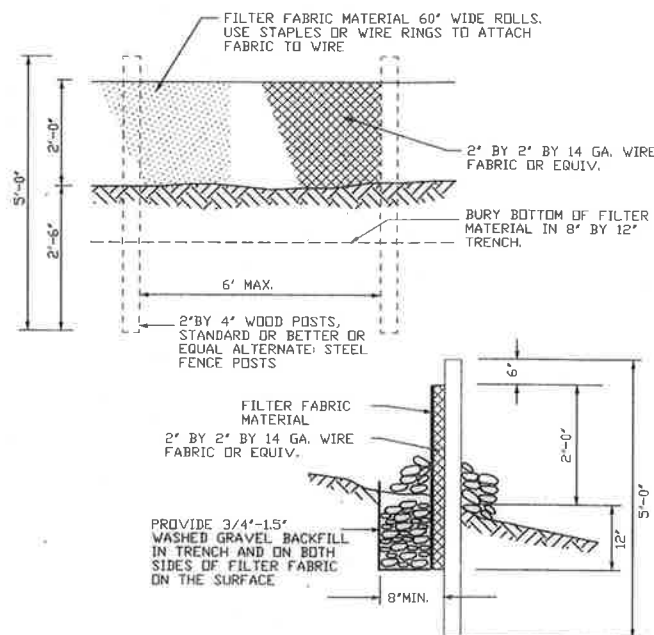


EDEN CREEK OVERFLOW

SCALE 1" = 20'

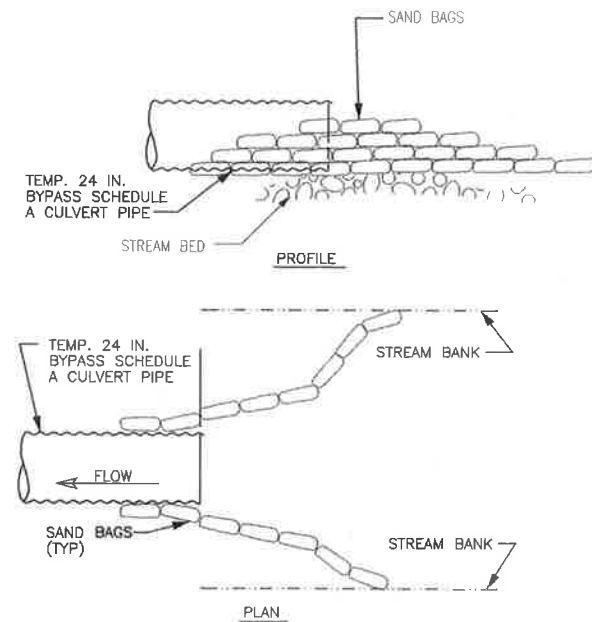
**RECORD DRAWING**

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FILTER FABRIC FENCE DETAIL

N.T.S.



FLARED END DETAIL  
TEMP. BYPASS ENTRANCE

**RECOMMENDED CONSTRUCTION SCHEDULE**

- 1 MARK CLEARING LIMITS AND INSTALL EROSION CONTROL FENCES.
- 2 PRIOR TO SEDIMENT POND EXCAVATION, INSTALL 24-INCH BYPASS SYSTEM AT STATION 2+20 AND CONNECT IT TO THE EXISTING 54-INCH PIPE LOCATED AT NE 7TH COURT
- 3 CONSTRUCT SEDIMENT POND AND 60-INCH DIAM PIPE CROSSING W/ RIP RAP @ OUTLET
- 4 CONSTRUCT NEW STREAM BED TO SEDIMENT POND
- 5 DIVERT CREEK TO SEDIMENT POND AND REMOVE BYPASS SYSTEM. REMOVE EXISTING 54 INCH PIPE.
- 6 CONSTRUCT OVERFLOW CONVEYANCE SYSTEM AND OUTLET STRUCTURE
- 7 CLOSE SHEAR GATE IN CONTROL CB DIVERTING FLOW TO THE OVERFLOW CONVEYANCE SYSTEM AND PLUG EXISTING 30-INCH PIPE.
- 8 CONSTRUCT 48-INCH MH W/DEBRIS STRUCTURE, STREAM BED GRAVEL
- 9 OPEN SHEAR GATE IN CONTROL CB DIVERTING FLOW TO THE 60-INCH PIPE
- 10 CONTRACTOR MAY SUBMIT REVISED CONSTRUCTION SEQUENCE FOR COUNTY APPROVAL

**EROSION/SEDIMENTATION CONTROL NOTES**

1. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION, DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. (KCC 9.04.020 AA, KCRS 7.09 D).
5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G. ADDITIONAL SUMPS RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS (KCC 9.04.090 B2).
6. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO INSURE THEIR CONTINUED FUNCTIONING (KCC 9.04.090 B2).
7. ANY AREA STRIPPED OF VEGETATION, INCLUDING ROADWAY EMBANKMENTS, WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 7 DAYS, SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G. SEEDING, MULCHING, NETTING, EROSION BLANKETS, ETC.) (KCRS 7.09D).
8. ANY AREA NEEDING ESC MEASURE, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
9. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT.
10. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (E.G. ANNUAL OR PERENNIAL RYE AT APPROXIMATELY 6 LBS PER 1000 SQUARE FEET).
11. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF TWO INCHES.

AS-BUILT NO. 95-0511

SURVEYED:		APPROVED: Larry R. Gibbons	DATE: 4/97
BASE MAP PLOT:		PROJECT MANAGER: Mike O'Neil	DATE: 3/95
DESIGN PLOT:		DESIGNED: Lisa J. Williams	DATE: 3/95
CHECKED:		DRAWN: MR	DATE: 3/95
FIELD BOOK:			
BY	DATE	REVISION	BY DATE
		RECORD DRAWING	MR 3/97

FED. AID No.	
PROJECT No.	ON1005
SURVEY No.	29-25-6-11
MAINTENANCE DIVISION No.	2



**KING COUNTY PUBLIC WORKS**  
PAUL TANAKA, DIRECTOR  
SURFACE WATER MANAGEMENT DIVISION  
**EDEN CREEK**  
**OVERFLOW CONVEYANCE SYSTEM**  
EROSION CONTROL DETAILS



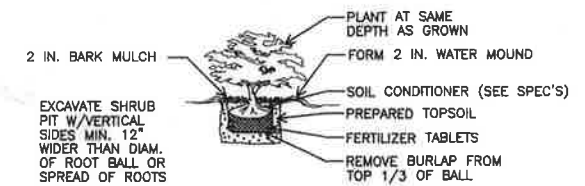
2001-34 (12)

SHEET  
12  
OF  
13  
SHEETS

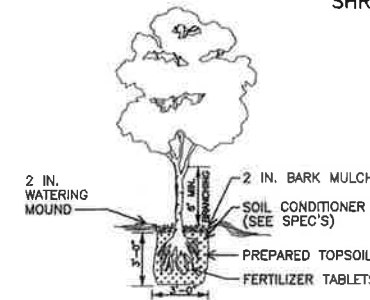
N 1/4 SEC.32 T.25.N R.6E W.M.

**LEGEND**

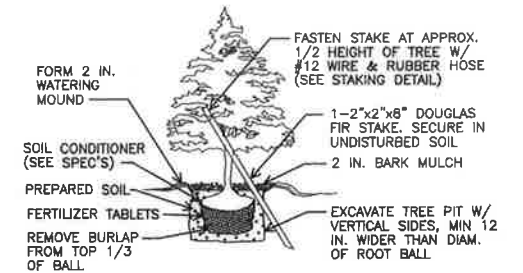
QTY	SYMBOL	COMMON/ BOTONICAL NAME	SIZE	QTY	SYMBOL	COMMON/ BOTONICAL NAME	SIZE
26		SALMON BERRY (RUBUS SPECTABILIS)	18" HT.	2		WESTERN RED CEDAR (THUJA PLICATA)	6-8' HT.
10		VINE MAPLE (ACER CIRCINATUM)	5-6' HT.	11		OREGON GRAPE (MAHONIA AQUIFOLIUM COMPACTA)	1 GAL.
27		RED OSIER DOGWOOD (CORNUS STOLONIFERA)	24" HT.	85		SALAL (GAULTHERIA SHALLON)	4" POTS
26		SWORD FERN (POLYSTICHUM MUNITUM)	4" POTS	17		RED PHOTINIA (PHOTINA FRASERI)	24" HT.
6		SCOULER WILLOW (SALIX SCOULERANA)	18" HT. MULTISTEM				



SHRUB PLANTING

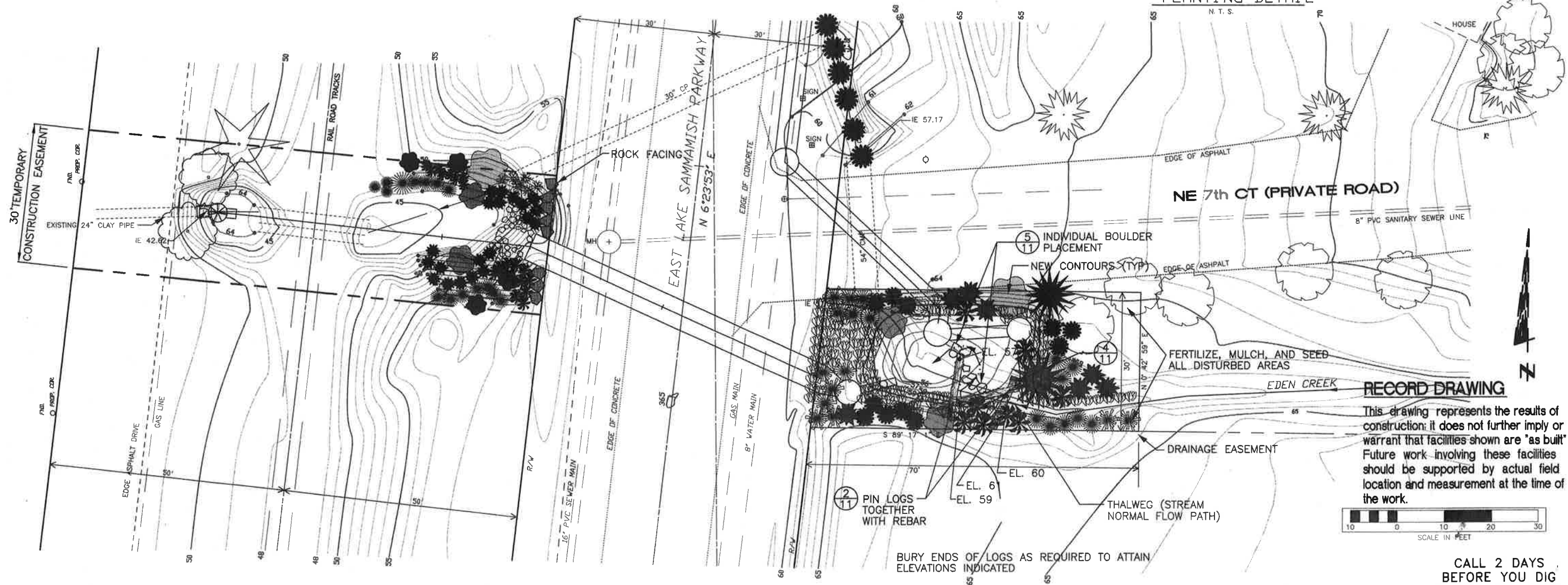


DECIDUOUS TREE PLANTING



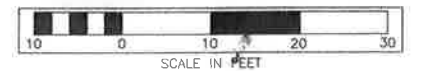
EVERGREEN TREE PLANTING

**PLANTING DETAIL**



**RECORD DRAWING**

This drawing represents the results of construction; it does not further imply or warrant that facilities shown are "as built". Future work involving these facilities should be supported by actual field location and measurement at the time of the work.



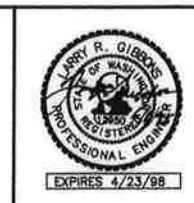
CALL 2 DAYS BEFORE YOU DIG  
1-800-424-5555

AS-BUILT NO. 95-0512

SURVEYED:		RECORD DRAWING	MB 3/97
BASE MAP PLOT:		BY	DATE
DESIGN PLOT:		REVISION	
CHECKED:			
FIELD BOOK:			

APPROVED: Larry R. Gibbons	DATE: 6/95
PROJECT MANAGER: Mike O'Neil	DATE: 3/95
DESIGNED: M.W., D.W.	DATE: 3/95
DRAWN: M.W., D.W.	DATE: 3/95

FED. AID No.	
PROJECT No.	ON1005
SURVEY No.	29-25-6-11
MAINTENANCE DIVISION No.	2



KING COUNTY PUBLIC WORKS  
PAUL TANAKA, DIRECTOR  
SURFACE WATER MANAGEMENT DIVISION

**EDEN CREEK  
OVERFLOW CONVEYANCE SYSTEM**  
LANDSCAPE PLAN

AS-BUILT NO. 95-0512

SHEET 13 OF 13 SHEETS  
2001-34 (13)