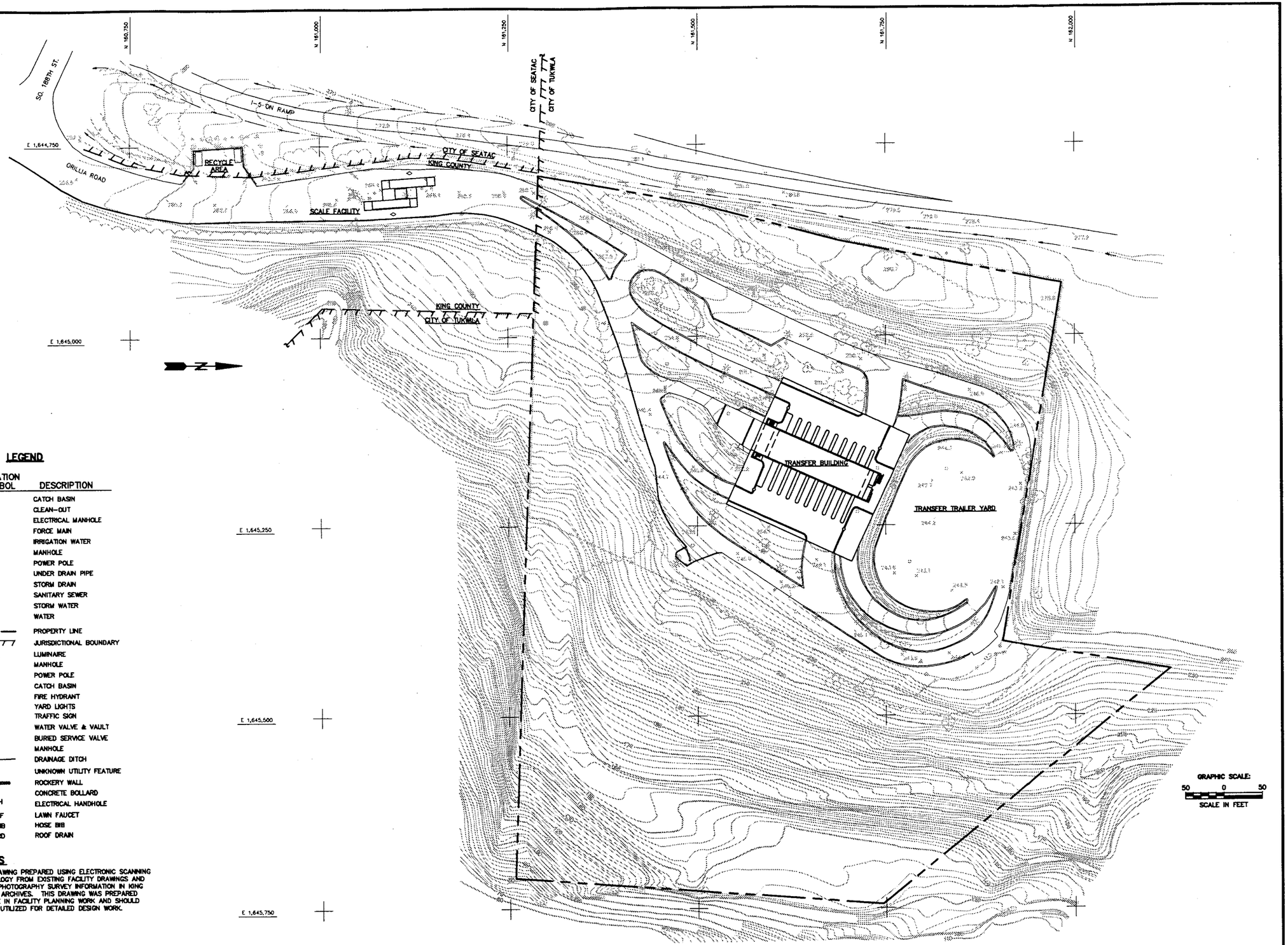
Appendix E
1998 FMP Drawings



LEGEND

ABBREVIATION OR SYMBOL	DESCRIPTION
CB	CATCH BASIN
C.O.	CLEAN-OUT
EH	ELECTRICAL MANHOLE
FM	FORCE MAIN
IW	IRRIGATION WATER
MH	MANHOLE
PP	POWER POLE
UDP	UNDER DRAIN PIPE
SD	STORM DRAIN
SS	SANITARY SEWER
SW	STORM WATER
W	WATER
	PROPERTY LINE
	JURISDICTIONAL BOUNDARY
	LUMINAIRE
	MANHOLE
	POWER POLE
	CATCH BASIN
	FIRE HYDRANT
	YARD LIGHTS
	TRAFFIC SIGN
	WATER VALVE & VAULT
	BURIED SERVICE VALVE
	MANHOLE
	DRAINAGE DITCH
	UNKNOWN UTILITY FEATURE
	ROCKERY WALL
	CONCRETE BOLLARD
EH	ELECTRICAL HANDHOLE
LF	LAWN FAUCET
HB	HOSE BIB
RD	ROOF DRAIN

NOTES

1. THIS DRAWING PREPARED USING ELECTRONIC SCANNING TECHNOLOGY FROM EXISTING FACILITY DRAWINGS AND AERIAL PHOTOGRAPHY SURVEY INFORMATION IN KING COUNTY ARCHIVES. THIS DRAWING WAS PREPARED FOR USE IN FACILITY PLANNING WORK AND SHOULD NOT BE UTILIZED FOR DETAILED DESIGN WORK.

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98		KRH		ISSUED TO KCSWD FOR FACILITY MASTER PLAN
0	12/29/93	WES	WRB	KRH	ISSUED TO KCSWD FOR FINAL TASK 2 REPORT

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	KRH
DRAWN	CAD
CHECKED	SAB
APPROVED	KRH

R·W·BECK

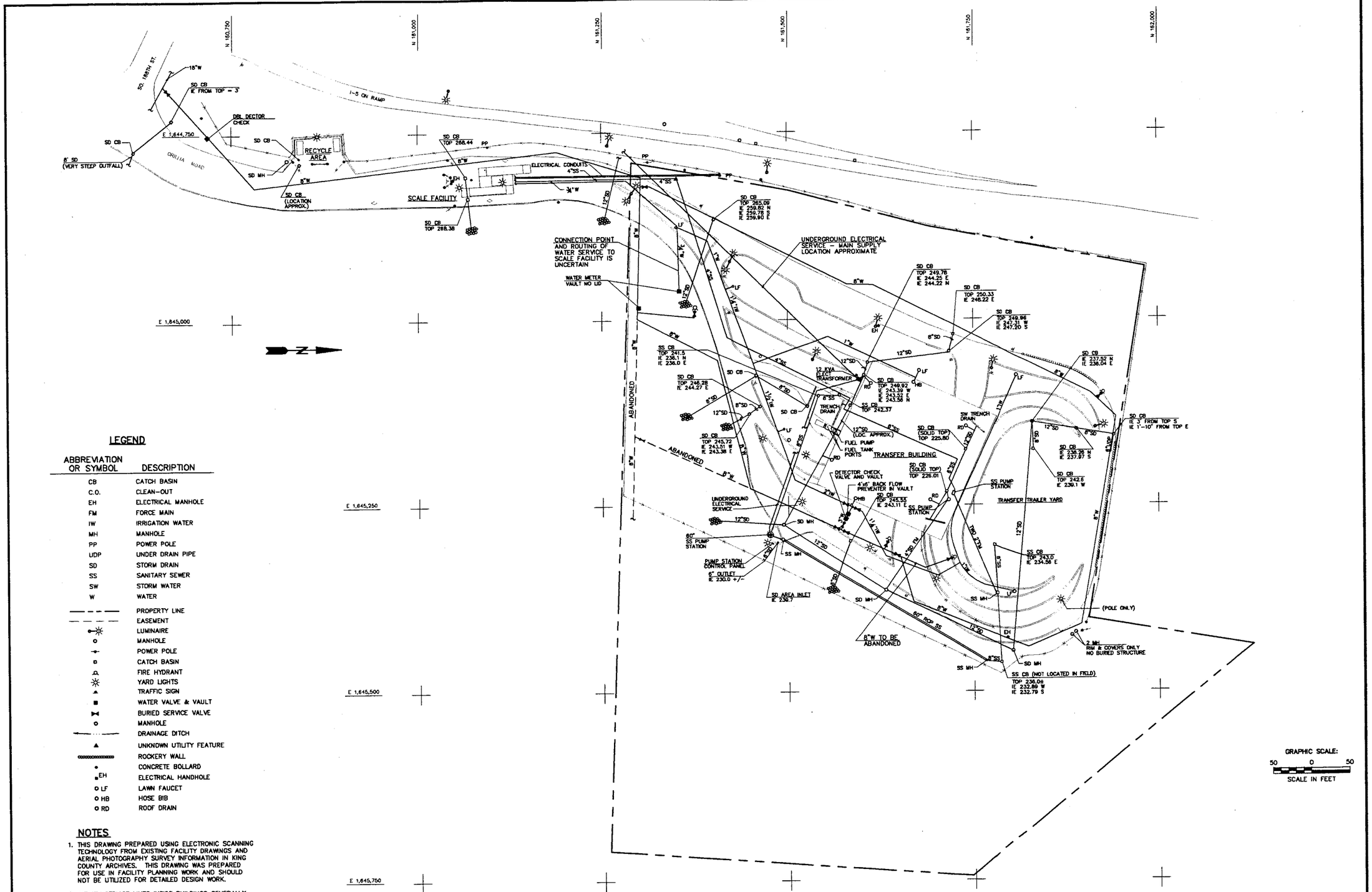
KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bissonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYCLING STATION

FACILITY MASTER PLAN
EXISTING FACILITY PLAN

SCALE	DRAWING NUMBER	REV
1"=50'	G-1	1

D.N. K:\KAA31\KAA31007 1-16-98 @ 14:03



LEGEND

ABBREVIATION OR SYMBOL	DESCRIPTION
CB	CATCH BASIN
C.O.	CLEAN-OUT
EH	ELECTRICAL MANHOLE
FM	FORCE MAIN
IW	IRRIGATION WATER
MH	MANHOLE
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UDP	UNDER DRAIN PIPE
SD	STORM DRAIN
SS	SANITARY SEWER
SW	STORM WATER
W	WATER
	PROPERTY LINE
	EASEMENT
	LUMINAIRE
	MANHOLE
	POWER POLE
	CATCH BASIN
	FIRE HYDRANT
	YARD LIGHTS
	TRAFFIC SIGN
	WATER VALVE & VAULT
	BURIED SERVICE VALVE
	MANHOLE
	DRAINAGE DITCH
	UNKNOWN UTILITY FEATURE
	ROCKERY WALL
	CONCRETE BOLLARD
EH	ELECTRICAL HANDHOLE
LF	LAWN FAUCET
HB	HOSE BIB
RD	ROOF DRAIN

NOTES

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2. UTILITY SERVICE LINES INSIDE BUILDINGS GENERALLY NOT SHOWN. ROADWAY SHOULDER DRAINS NOT SHOWN.

DWG: K:\KAA31\KAA31003 1-14-98 @ 15:52

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98			KRH	ISSUED TO KCSWD FOR FACILITY MASTER PLAN
0	12/29/93	WES	WRB	KRH	ISSUED TO KCSWD FOR FINAL TASK 2 REPORT

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	NA
DRAWN	HT-WES
CHECKED	WRB
APPROVED	KRH

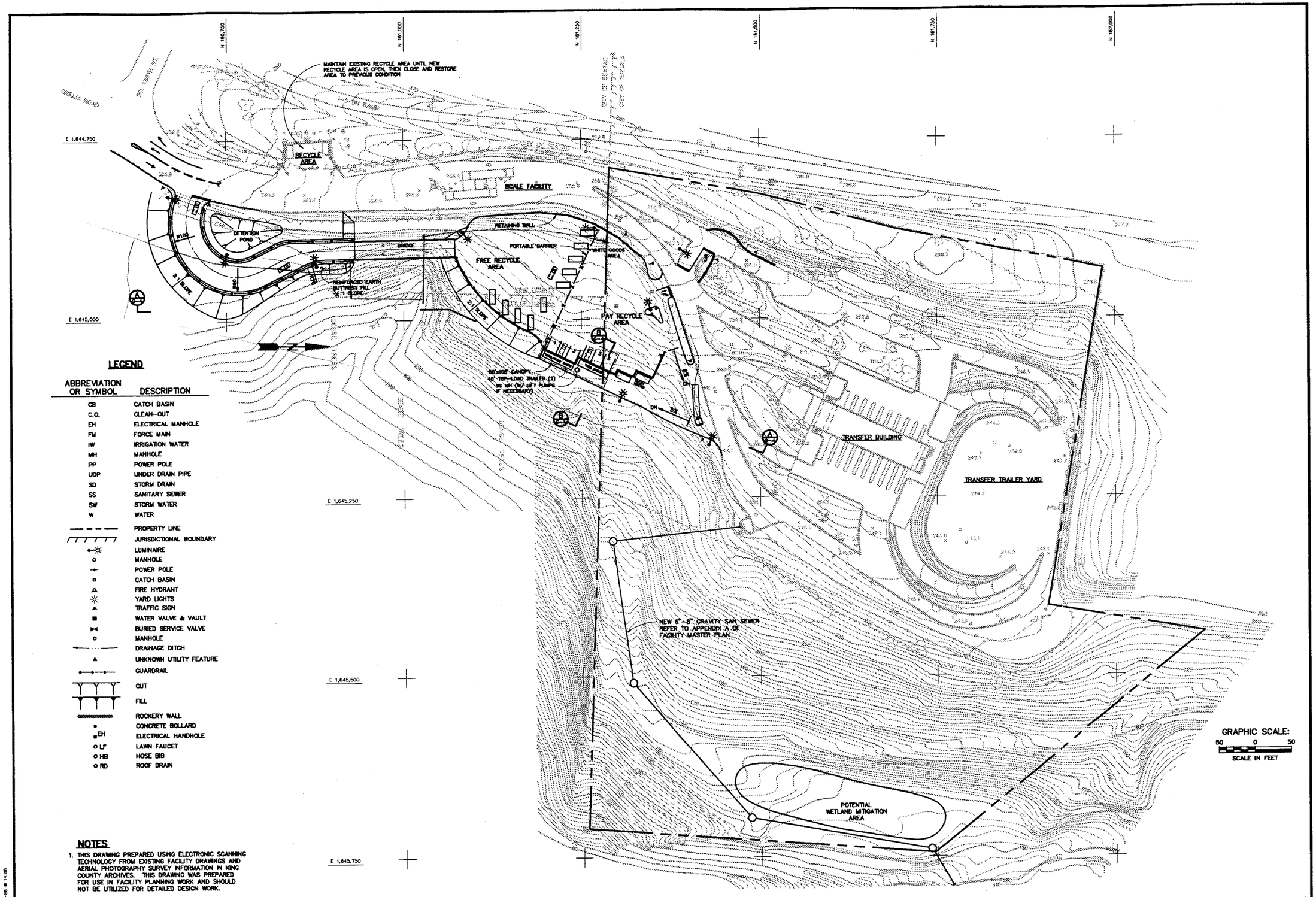
R·W·BECK

KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bissonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYLCING STATION

FACILITY MASTER PLAN EXISTING UTILITY PLAN

SCALE	DRAWING NUMBER	REV
1"=50'	G-2	1



LEGEND

ABBREVIATION OR SYMBOL	DESCRIPTION
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C.O.	CLEAN-OUT
EH	ELECTRICAL MANHOLE
FM	FORCE MAIN
IW	IRRIGATION WATER
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UDP	UNDER DRAIN PIPE
SD	STORM DRAIN
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SW	STORM WATER
W	WATER
	PROPERTY LINE
	JURISDICTIONAL BOUNDARY
	LUMINAIRE
	MANHOLE
	POWER POLE
	CATCH BASIN
	FIRE HYDRANT
	YARD LIGHTS
	TRAFFIC SIGN
	WATER VALVE & VAULT
	BURIED SERVICE VALVE
	MANHOLE
	DRAINAGE DITCH
	UNKNOWN UTILITY FEATURE
	GUARDRAIL
	CUT
	FILL
	ROCKERY WALL
	CONCRETE BOLLARD
EH	ELECTRICAL HANDHOLE
LF	LAWN FAUCET
HB	HOSE BIB
RD	ROOF DRAIN

NOTES

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REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98		KRH		ISSUED TO KCSWD FOR FACILITY MASTER PLAN

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	KRH	
DRAWN	GDD	
CHECKED	SAB	
APPROVED	KRH	

R·W·BECK

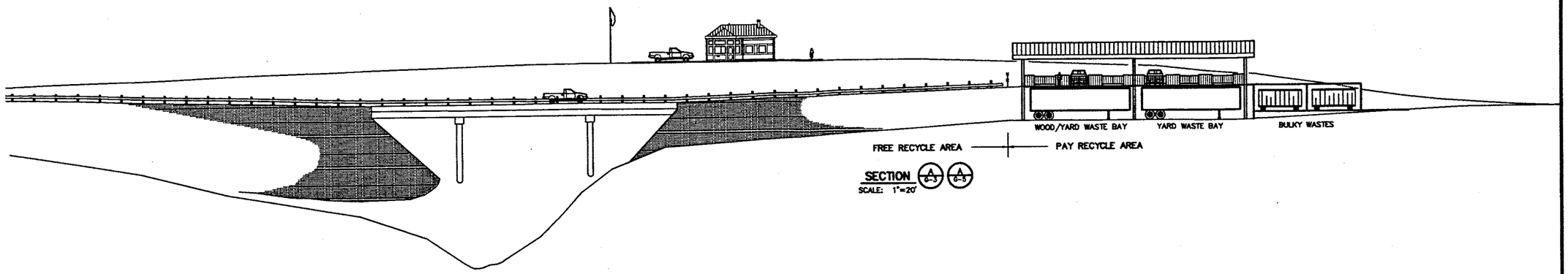
KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bissonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYCLING STATION

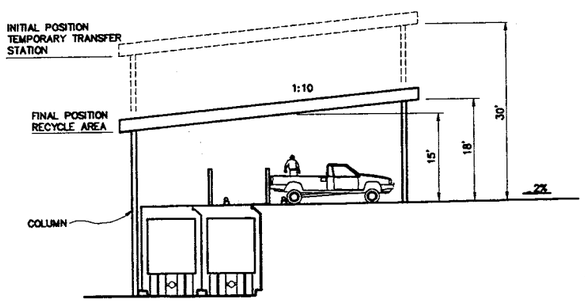
FACILITY MASTER PLAN
RECYCLE AREA
ALTERNATE 1 – PLAN

SCALE	DRAWING NUMBER	REV
1"=50'	G-3	1

D.N. K:\FAA31\FAA31008 1-16-98 @ 14:08



SECTION A/G-3 A/G-5
SCALE: 1"=20'



SECTION B/G-3 B/G-5
SCALE: 1"=10'

GRAPHIC SCALE:

20 0 20 40
1" = 20'

10 0 10 20
1" = 10'

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98			KRH	ISSUED TO KCSWD FOR FACILITY MASTER PLAN

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	KRH
DRAWN	CAD
CHECKED	SAB
APPROVED	KRH

R·W·BECK

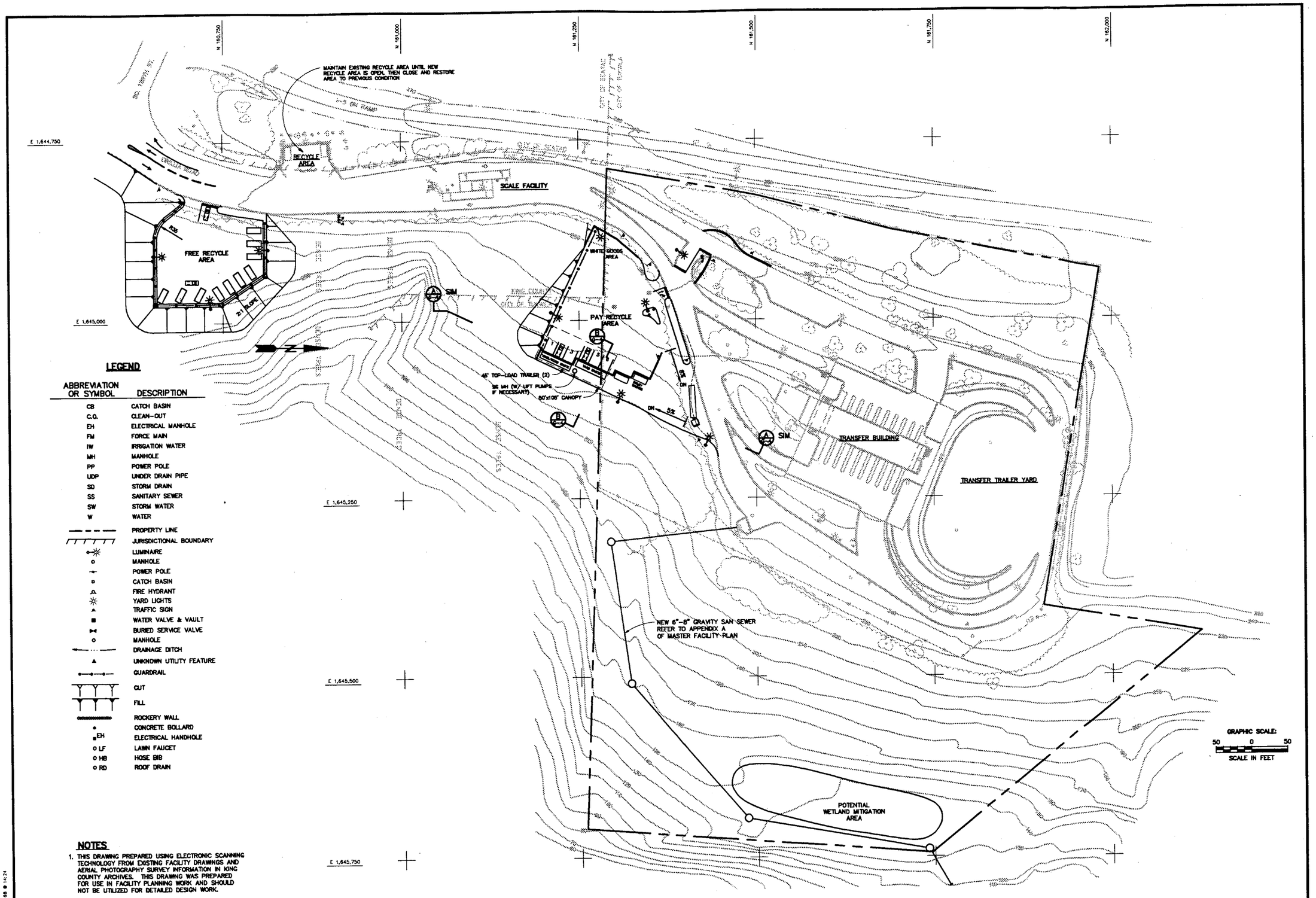
KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bisonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYCLING STATION

FACILITY MASTER PLAN
RECYCLE AREA
ALTERNATE 1 – SECTIONS

SCALE	DRAWING NUMBER	REV
NOTED	G-4	1

D.N. K:\KAA31\KAA31009 1-16-98 @ 14:12



LEGEND

ABBREVIATION OR SYMBOL	DESCRIPTION
CB	CATCH BASIN
C.O.	CLEAN-OUT
EH	ELECTRICAL MANHOLE
FM	FORCE MAIN
IW	IRRIGATION WATER
MH	MANHOLE
PP	POWER POLE
UDP	UNDER DRAIN PIPE
SD	STORM DRAIN
SS	SANITARY SEWER
SW	STORM WATER
W	WATER
	PROPERTY LINE
	JURISDICTIONAL BOUNDARY
	LUMINAIRE
	MANHOLE
	POWER POLE
	CATCH BASIN
	FIRE HYDRANT
	YARD LIGHTS
	TRAFFIC SIGN
	WATER VALVE & VAULT
	BURIED SERVICE VALVE
	MANHOLE
	DRAINAGE DITCH
	UNKNOWN UTILITY FEATURE
	GUARDRAIL
	CUT
	FILL
	ROCKERY WALL
	CONCRETE BOLLARD
EH	ELECTRICAL HANDHOLE
LF	LAWN FAUCET
HB	HOSE BIB
RD	ROOF DRAIN

NOTES

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REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98		KRH		ISSUED TO KCSWD FOR FACILITY MASTER PLAN

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	KRH
DRAWN	CAD
CHECKED	SAB
APPROVED	KRH

R·W·BECK

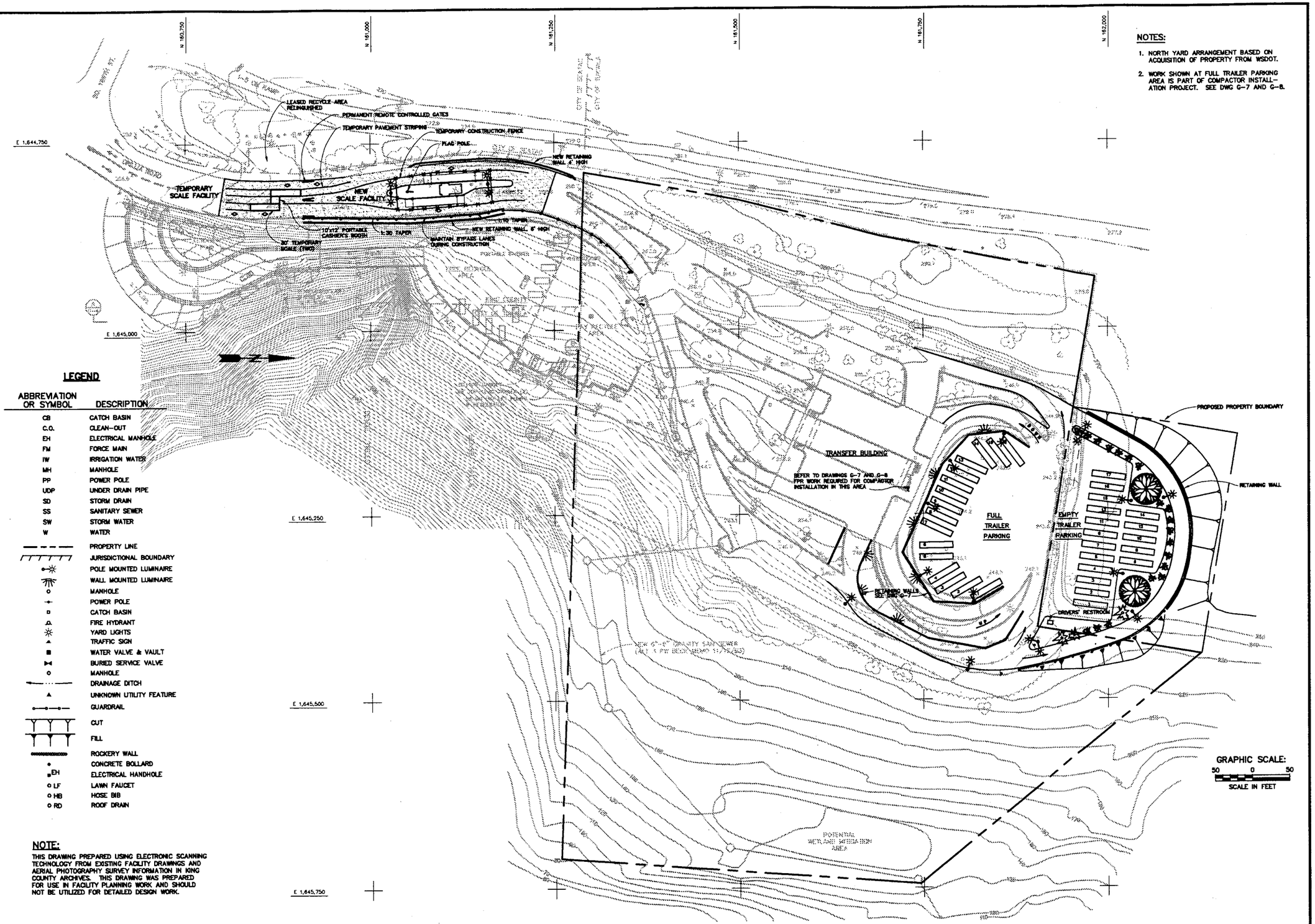
KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bissonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYCLING STATION

FACILITY MASTER PLAN
RECYCLE AREA
ALTERNATE 2 – PLAN

SCALE	DRAWING NUMBER	REV
1"=50'	G-5	1

D.N. K:\KAA31\KAA31012 1-16-98 @ 14:24



NOTES:

1. NORTH YARD ARRANGEMENT BASED ON ACQUISITION OF PROPERTY FROM WSDOT.
2. WORK SHOWN AT FULL TRAILER PARKING AREA IS PART OF COMPACTOR INSTALLATION PROJECT. SEE DWG G-7 AND G-8.

LEGEND

ABBREVIATION OR SYMBOL	DESCRIPTION
CB	CATCH BASIN
C.O.	CLEAN-OUT
EH	ELECTRICAL MANHOLE
FM	FORCE MAIN
IW	IRRIGATION WATER
MH	MANHOLE
PP	POWER POLE
UDP	UNDER DRAIN PIPE
SD	STORM DRAIN
SS	SANITARY SEWER
SW	STORM WATER
W	WATER
	PROPERTY LINE
	JURISDICTIONAL BOUNDARY
	POLE MOUNTED LUMINAIRE
	WALL MOUNTED LUMINAIRE
	MANHOLE
	POWER POLE
	CATCH BASIN
	FIRE HYDRANT
	YARD LIGHTS
	TRAFFIC SIGN
	WATER VALVE & VAULT
	BURIED SERVICE VALVE
	MANHOLE
	DRAINAGE DITCH
	UNKNOWN UTILITY FEATURE
	GUARDRAIL
	CUT
	FILL
	ROCKERY WALL
	CONCRETE BOLLARD
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LF	LAWN FAUCET
HB	HOSE BIB
RD	ROOF DRAIN

NOTE:

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REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98			KRH	ISSUED TO KCSWD FOR FACILITY MASTER PLAN

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	KRH
DRAWN	CAD
CHECKED	SAB
APPROVED	KRH

R·W·BECK

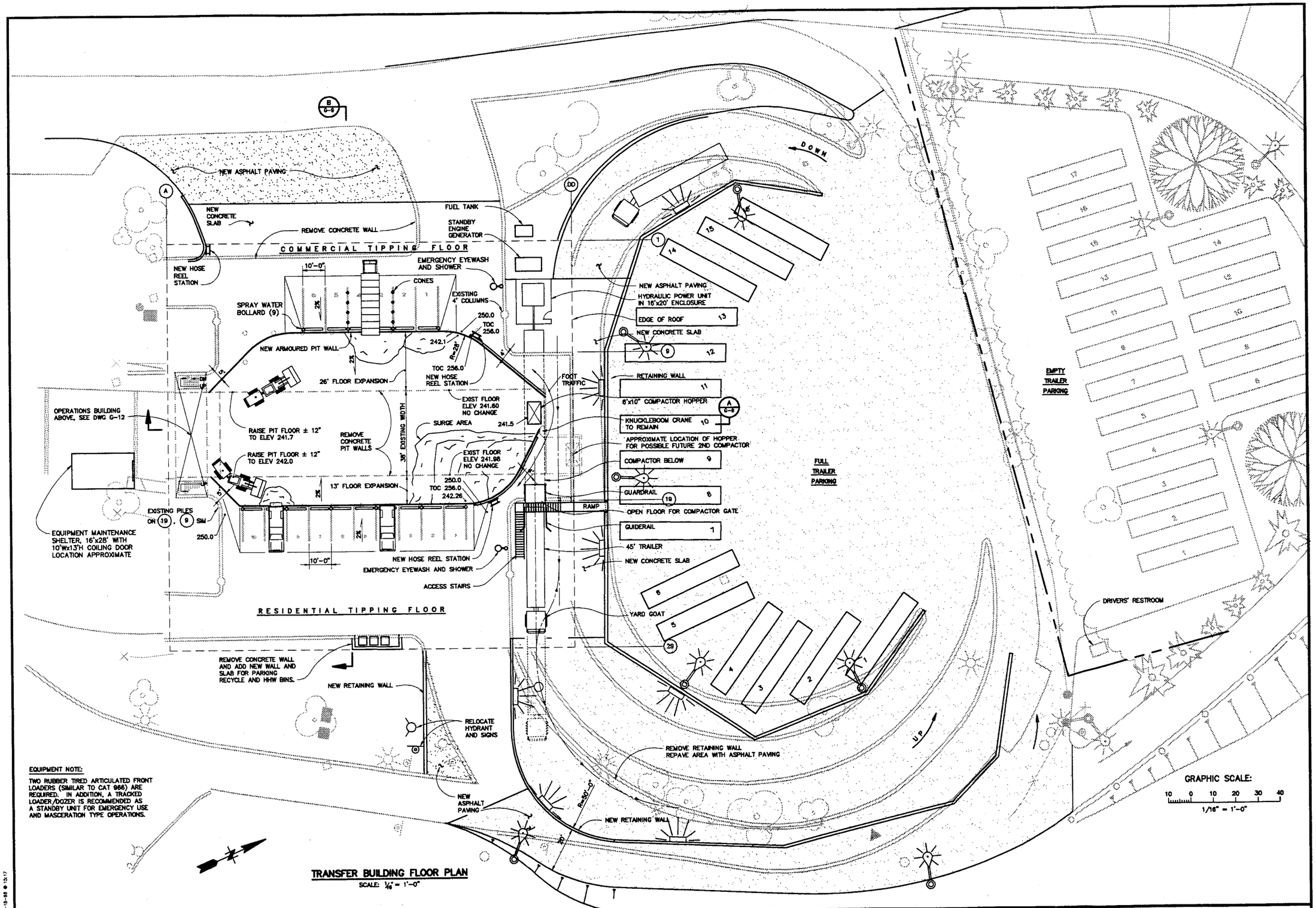
KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bisonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYCLING STATION

FACILITY MASTER PLAN
NEW SCALE FACILITY & NORTH YARD

SCALE	DRAWING NUMBER	REV
1"=50'	G-6	1

D.N. K:\KAA31\KAA31018 1-16-98 @ 15:25



EQUIPMENT NOTE:

TWO RUBBER TIRED ARTICULATED FRONT LOADERS (SIMILAR TO CAT 966) ARE REQUIRED. IN ADDITION, A TRACKED LOADER/DOZER IS RECOMMENDED AS A STANDBY UNIT FOR EMERGENCY USE AND MASCERATION TYPE OPERATIONS.

TRANSFER BUILDING FLOOR PLAN

SCALE: 1/16" = 1'-0"

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98			KRH	ISSUED TO KCSWD FOR FACILITY MASTER PLAN

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	KRH
DRAWN	CAD
CHECKED	SAB
APPROVED	KRH

R·W·BECK

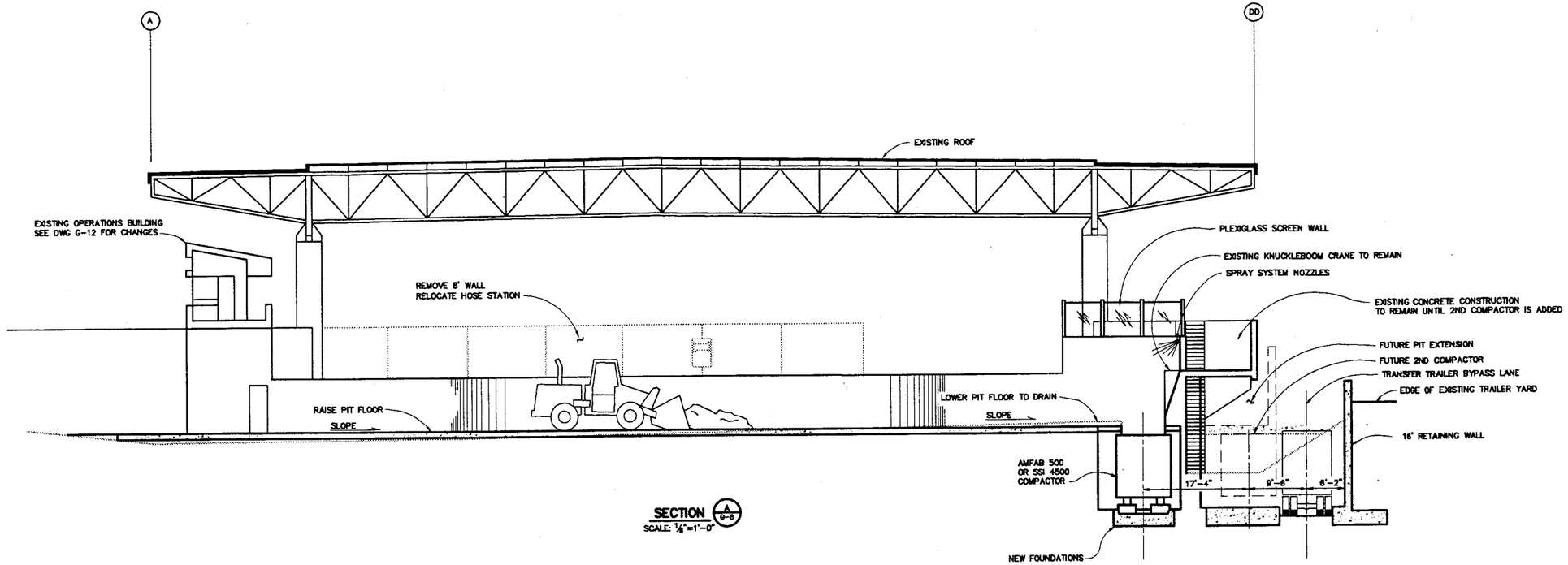
KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bisonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYCLING STATION

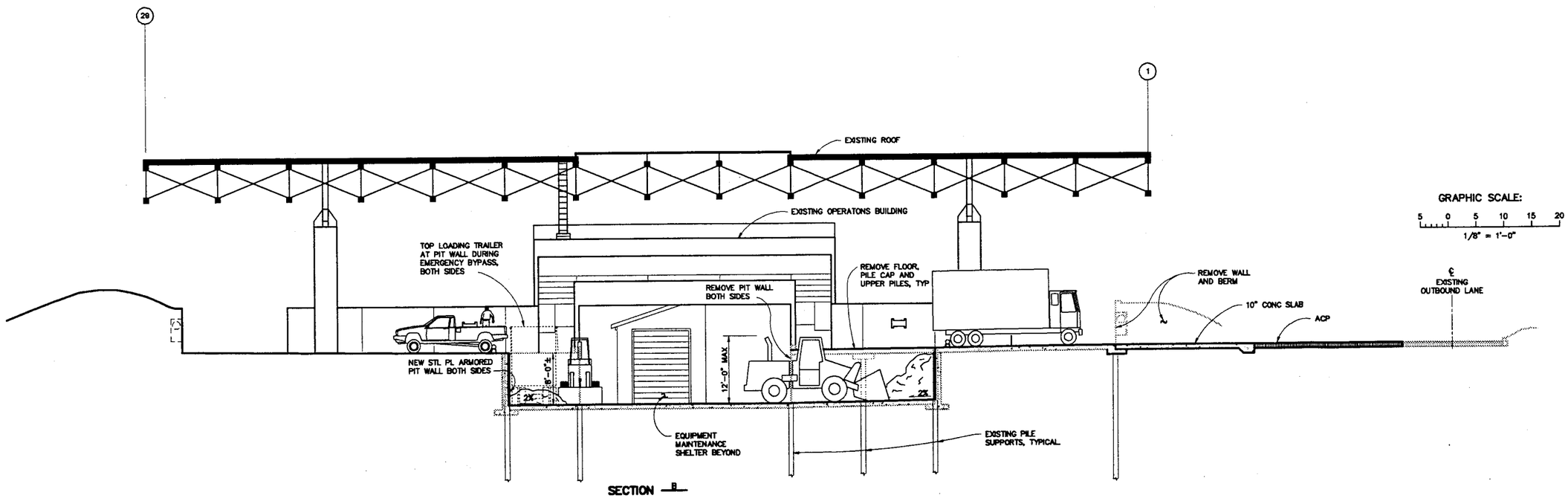
FACILITY MASTER PLAN
PUSH-PIT CONVERSION W/COMPACTOR(S)
ALTERNATE 1 – PLAN

SCALE	DRAWING NUMBER	REV
1/16"=1'-0"	G-7	1

D.M. K:\KAA31\KAA31018 1-16-98 @ 15:17



SECTION A/G-8
SCALE: 1/8"=1'-0"



SECTION B

GRAPHIC SCALE:
5 0 5 10 15 20
1/8" = 1'-0"

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98			KRH	ISSUED TO KCSWD FOR FACILITY MASTER PLAN

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	KRH
DRAWN	CAD
CHECKED	SAB
APPROVED	KRH

R·W·BECK

KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bisonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYCLING STATION

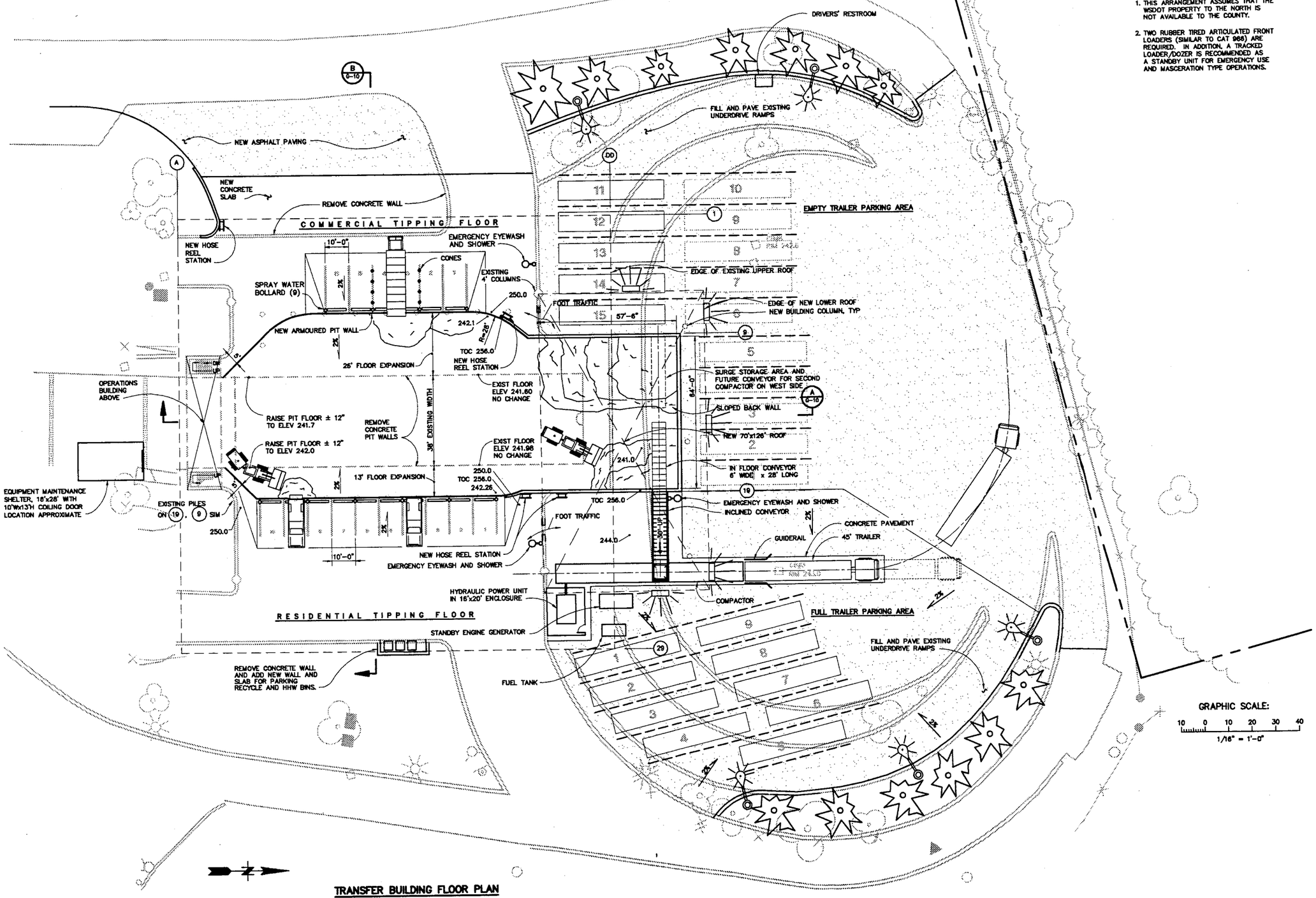
FACILITY MASTER PLAN
PUSH-PIT CONVERSION W/COMPACTOR(S)
ALTERNATE 1 – SECTIONS

SCALE	DRAWING NUMBER	REV
1/8"=1'-0"	G-8	1

D.N. K:\KAA31\KAA31015 1-18-98 @ 15:10

NOTES:

1. THIS ARRANGEMENT ASSUMES THAT THE WSDOT PROPERTY TO THE NORTH IS NOT AVAILABLE TO THE COUNTY.
2. TWO RUBBER TIRED ARTICULATED FRONT LOADERS (SIMILAR TO CAT 966) ARE REQUIRED. IN ADDITION, A TRACKED LOADER/DOZER IS RECOMMENDED AS A STANDBY UNIT FOR EMERGENCY USE AND MASCERATION TYPE OPERATIONS.



TRANSFER BUILDING FLOOR PLAN

SCALE: 1/16" = 1'-0"

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98			KRH	ISSUED TO KCSWD FOR FACILITY MASTER PLAN

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	KRH
DRAWN	CAD
CHECKED	SAB
APPROVED	KRH

R·W·BECK

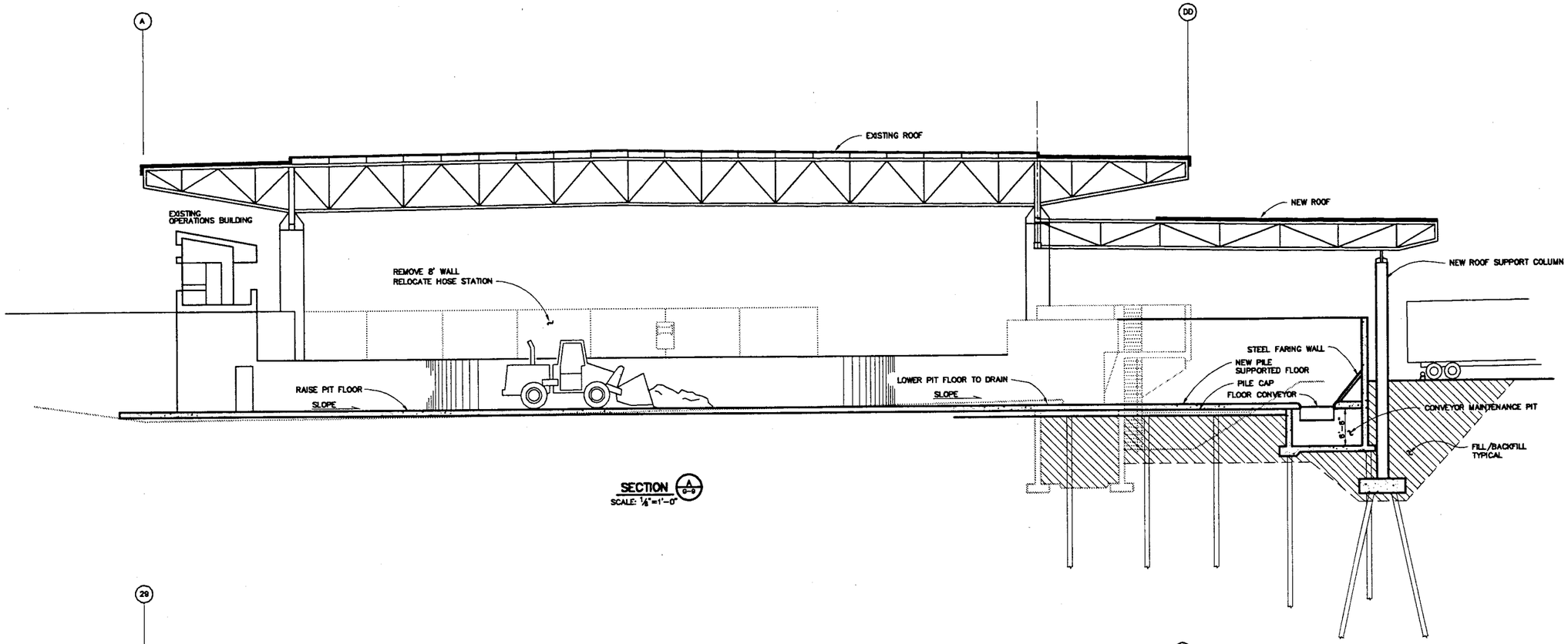
KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bissonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYCLING STATION

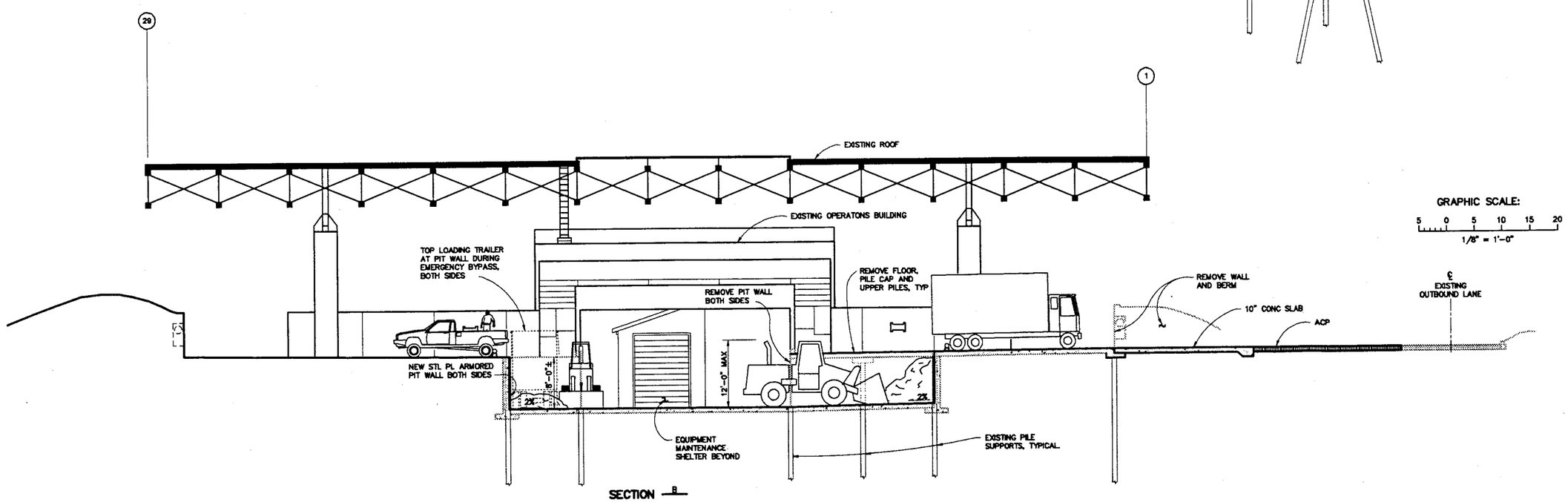
FACILITY MASTER PLAN
PUSH-PIT CONVERSION W/COMPACTOR(S)
ALTERNATE 2 – PLAN

SCALE	DRAWING NUMBER	REV
1/16"=1'-0"	G-9	1

D.N: K:\KAA31\KAA31017 1-16-98 @ 15:21



SECTION A/G-9
SCALE: 1/8"=1'-0"



SECTION B

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98			KRH	ISSUED TO KCSWD FOR FACILITY MASTER PLAN

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	KRH
DRAWN	CAD
CHECKED	SAB
APPROVED	KRH

R·W·BECK

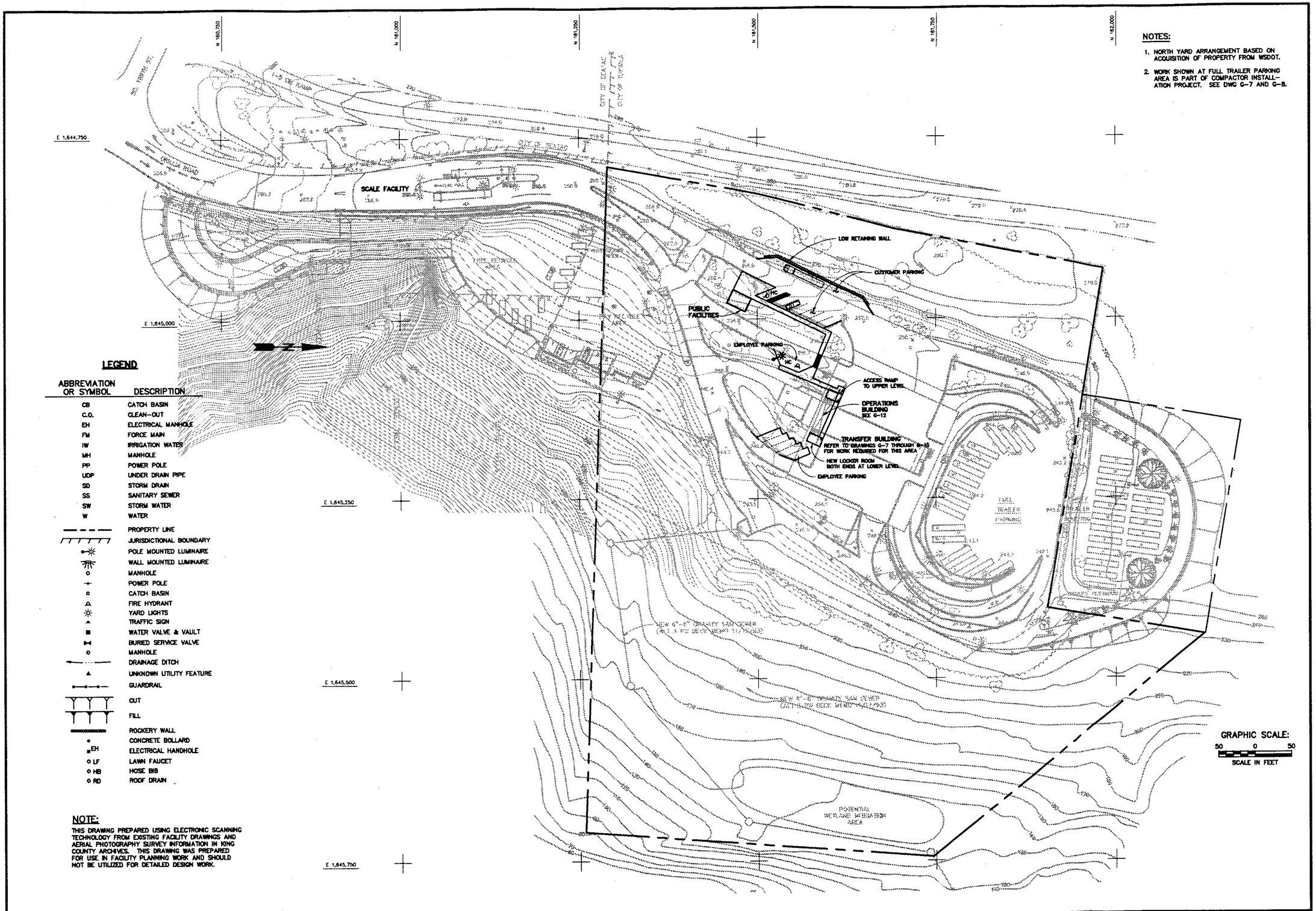
KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bissonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYCLING STATION

FACILITY MASTER PLAN
PUSH-PIT CONVERSION W/COMPACTOR(S)
ALTERNATE 2 – SECTIONS

SCALE	DRAWING NUMBER	REV.
1/8"=1'-0"	G-10	1

D.N. K:\FAA31\FAA3109 1-15-98 @ 15:42



NOTES:

1. NORTH YARD ARRANGEMENT BASED ON ACQUISITION OF PROPERTY FROM WSDOT.
2. WORK SHOWN AT FULL TRAILER PARKING AREA IS PART OF COMPACTOR INSTALL-ATION PROJECT. SEE DWG G-7 AND G-8.

LEGEND

ABBREVIATION OR SYMBOL	DESCRIPTION
CB	CATCH BASIN
C.O.	CLEAN-OUT
EH	ELECTRICAL MANHOLE
FM	FORCE MAIN
IW	IRRIGATION WATER
MH	MANHOLE
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UDP	UNDER DRAIN PIPE
SD	STORM DRAIN
SS	SANITARY SEWER
SW	STORM WATER
W	WATER
	PROPERTY LINE
	JURISDICTIONAL BOUNDARY
	POLE MOUNTED LUMINAIRE
	WALL MOUNTED LUMINAIRE
	MANHOLE
	POWER POLE
	CATCH BASIN
	FIRE HYDRANT
	YARD LIGHTS
	TRAFFIC SIGN
	WATER VALVE & VAULT
	BURIED SERVICE VALVE
	MANHOLE
	DRAINAGE DITCH
	UNKNOWN UTILITY FEATURE
	GUARDRAIL
	CUT
	FILL
	ROCKERY WALL
	CONCRETE BOLLARD
EH	ELECTRICAL HANDHOLE
LF	LAWN FAUCET
HB	HOSE BIB
RD	ROOF DRAIN

NOTE:

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REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98			KRH	ISSUED TO KCSWD FOR FACILITY MASTER PLAN

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	KRH
DRAWN	CAD
CHECKED	SAB
APPROVED	KRH

R·W·BECK

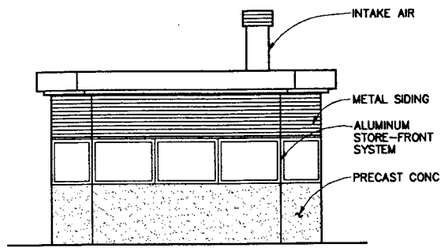
KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bisonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYCLING STATION

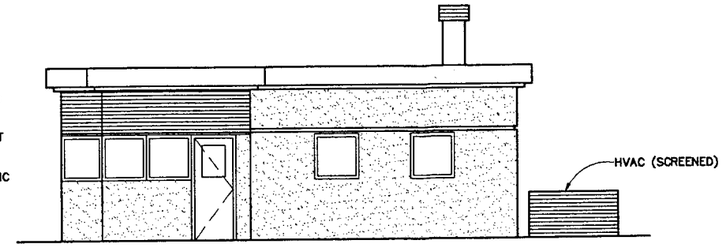
FACILITY MASTER PLAN
PUBLIC FACILITIES AND OPERATIONS BLDGS

SCALE	DRAWING NUMBER	REV
1"=50'	G-11	1

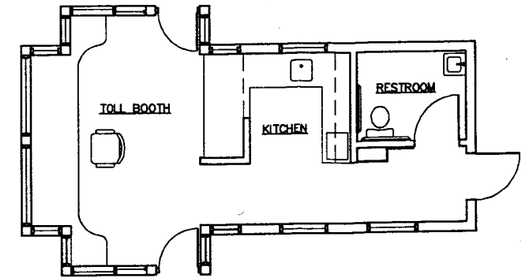
D.N. K:\KAA31\KAA31020 1-16-98 @ 15:33



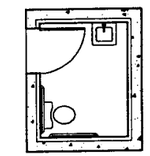
SCALE HOUSE
FRONT ELEVATION



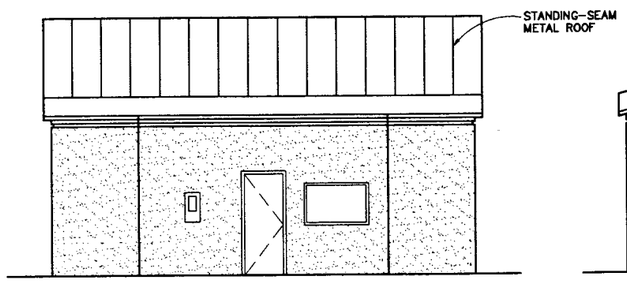
SCALE HOUSE
SIDE ELEVATION



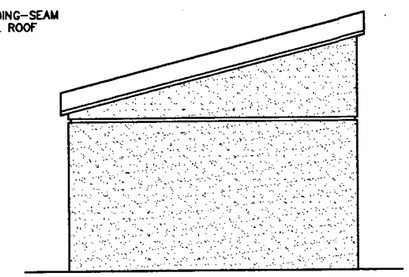
SCALE HOUSE
PLAN



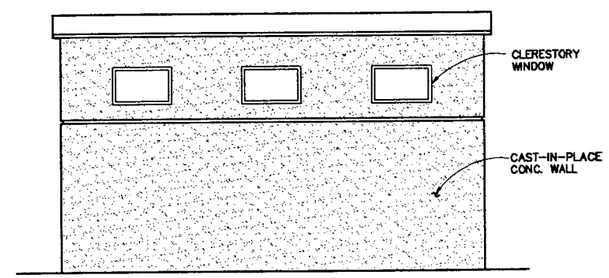
EMPLOYEE RESTROOM
PLAN



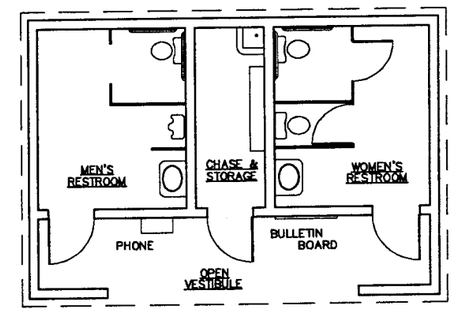
PUBLIC FACILITIES
FRONT ELEVATION



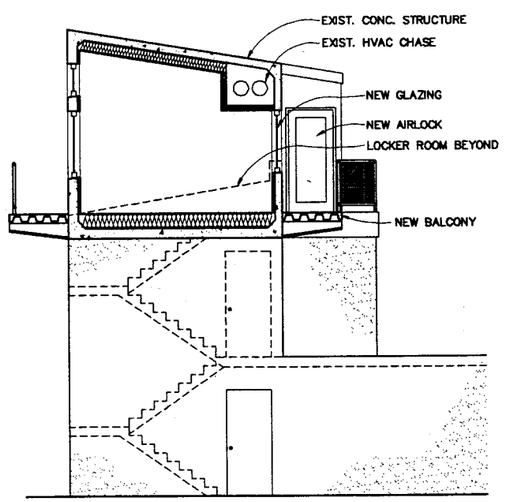
PUBLIC FACILITIES
SIDE ELEVATION



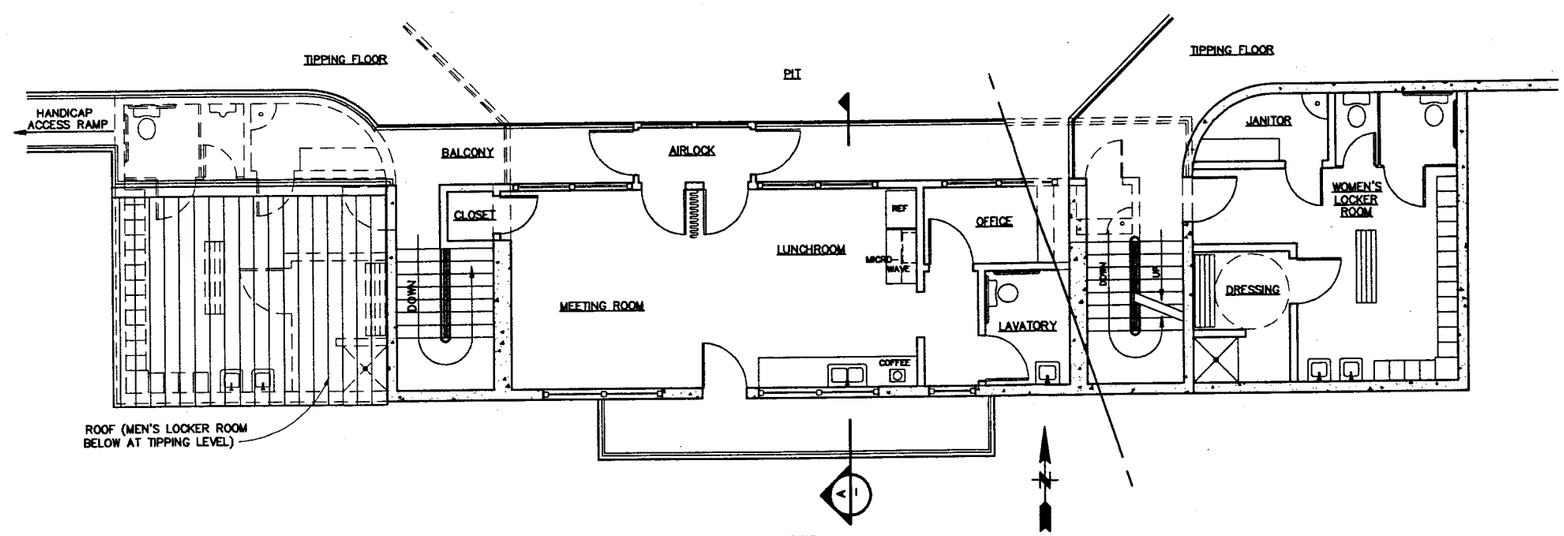
PUBLIC FACILITIES
REAR ELEVATION



PUBLIC FACILITIES
PLAN



OPERATIONS BUILDING
SECTION A-A



OPERATIONS BUILDING
PLAN

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION
1	1/15/98			KRH	ISSUED TO KCSWD FOR FACILITY MASTER PLAN

DRAWING REVISION RECORD

REV.	DATE	BY	CK'D	APPROVALS	DESCRIPTION

DRAWING REVISION RECORD

DESIGN	KRH
DRAWN	CAD
CHECKED	SAB
APPROVED	KRH

R·W·BECK

KING COUNTY DEPARTMENT OF NATURAL RESOURCES
Pam Bissonnette, Director
SOLID WASTE DIVISION

BOW LAKE TRANSFER/RECYCLING STATION

FACILITY MASTER PLAN – PHASE 4
SUPPORT BUILDINGS
PLANS, SECTIONS AND ELEVATIONS

SCALE	DRAWING NUMBER	REV
1/4"=1'-0"	G-12	1

D.N. K:\FAA31\FAA31022 1-20-98 @ 14:01