TRI-VILLAGE REGIONAL SEWAGE SERVICES COMMISSION

SEWAGE COLLECTION SYSTEM

LIST OF DRAWINGS

NO.	DESCRIPTION	
0 1	LOCATION PLAN	SUMMER VILLAGES OF VAL QUENTIN ALBERTA BEACH AND SUNSET POINT
0 2	OVERALL PLAN	SUMMER VILLAGES OF VAL QUENTIN AND ALBERTA BEACH
0 3	OVERALL PLAN	SUMMER VILLAGE OF SUNSET POINT
0 4	DRAWING INDEX	SUMMER VILLAGE OF VAL QUENTIN AND ALBERTA BEACH
0 5	DRAWING INDEX	SUMMER VILLAGE OF SUNSET POINT
D.1	DETAILS	
D.2	DETAILS	

SUMMER VILLAGE OF VAL QUENTIN - CONTRACT NO. 1

1.1	50th AVENUE	WEST END VAL QUENTIN
1.2	50th AVENUE	WEST TOWARDS 66th STREET
1.3	50th AVENUE	66th ST. to 65th ST.
1.4	50th AVENUE	65th ST. to LAKEVIEW DR. E.
1.5	50th AVENUE	LAKEVIEW DR. E to CRESTVIEW DR. E.
1.6	50th AVENUE	CRESTVIEW DR. E. to 63rd ST.
1.7	50th AVENUE	63rd ST. to 60th ST.
1.8	51st AVENUE (LANE)	63rd ST. to 60th ST.
1.9	65th STREET	
1.10	LAKEVIEW DRIVE W.	
1.11	LAKEVIEW DRIVE E.	
1.12	64th STREET	
1.13	CRESTVIEW DRIVE	
1.14	CRESTVIEW DRIVE	
1.15	63rd STREET	50th AVE. SOUTHERLY
1.16	63rd STREET	50th AVE. NORTHERLY
1.17	62nd STREET	
LS 1.1	VAL QUENTIN LIFT STATION NO. 1	
LS 1.2	VAL QUENTIN LIFT STATION NO. 2	
D.1	DETAILS	
D.2	DETAILS	

SUMMER VILLAGE OF ALBERTA BEACH - CONTRACT NO. 2

2.1	51st AVENUE (LANE)	60th ST. to 56th STREET
2.2	56th STREET/LANE/55th STREET	50th AVE. to 50th AVE.
2.3	51st AVENUE (LANE) 54th STREET	55th ST. to 53rd ST. SOUTHERLY to 50th AVENUE
2.4	53rd STREET	50th AVE. to 51st AVE. (LANE)
2.5	52nd STREET 51st AVENUE (LANE)	50th AVE. to 51st. AVE. (LANE) 52nd ST. to 51st ST.
2.6	50th AVENUE	60th ST. to 57th ST.
2.7	50th AVENUE	57th ST. to 54th ST.
2.8	50th AVENUE	54th ST. to 52nd ST.
2.9	50th AVENUE	52nd ST. to 50th ST.
2.10	50th AVENUE	50th ST. to LANE EAST OF 48th ST.
2.11	50th AVENUE	LANE EAST OF 48th ST. to 46th ST.
2.12	50th AVENUE	46th ST. to 42nd ST.
2.13	49th AVENUE 59th STREET	60th ST. to 59th ST. 49th AVE. to 49th AVE.
2.14	49th AVENUE 58A STREET CUL-DE-SAC	50th ST. to 58th ST.
2.15	49th AVENUE	58th ST. to 56th ST.
2.16	49th AVENUE	56th ST. to 52nd ST.
2.17	49th AVENUE	53rd ST. to 51st ST.
2.18	49th AVENUE 51st STREET	50A ST. to 51st ST. 50th AVE. to 49th AVE.
2.19	49th AVENUE 50th STREET	50A ST. to 50th ST. 49th AVE. to 50th AVE.
2.20	48th AVENUE 47A AVENUE	53rd ST. to 52A ST. 53rd ST. to 52A ST.
2.21	47th AVENUE 48A AVENUE	53rd ST. to 52A ST. 53rd ST. to 52A ST.
2.22	47th AVENUE	52A ST. to 50A ST.
2.23	47A AVENUE	47th ST. to 46th ST.
2.24	47th AVENUE	47th ST. to 46th ST.
2.25	47th AVENUE	46th ST. to 42nd ST.
2.26	46th AVENUE	SOUTHWEST OF 47th ST.
2.27	46th AVENUE/46B STREET	47th ST. to 46B ST./46th AVE. to 45th AVE.
2.28	46th AVENUE/46A STREET	46th ST. to 46A ST./ 46th AVE. to 45th AVE.
2.29	45th AVENUE	46th ST. to 42nd ST.
2.30	POWER DRIVE	

SUMMER VILLAGE OF ALBERTA BEACH - CONTRACT NO. 2 (CONT'D)

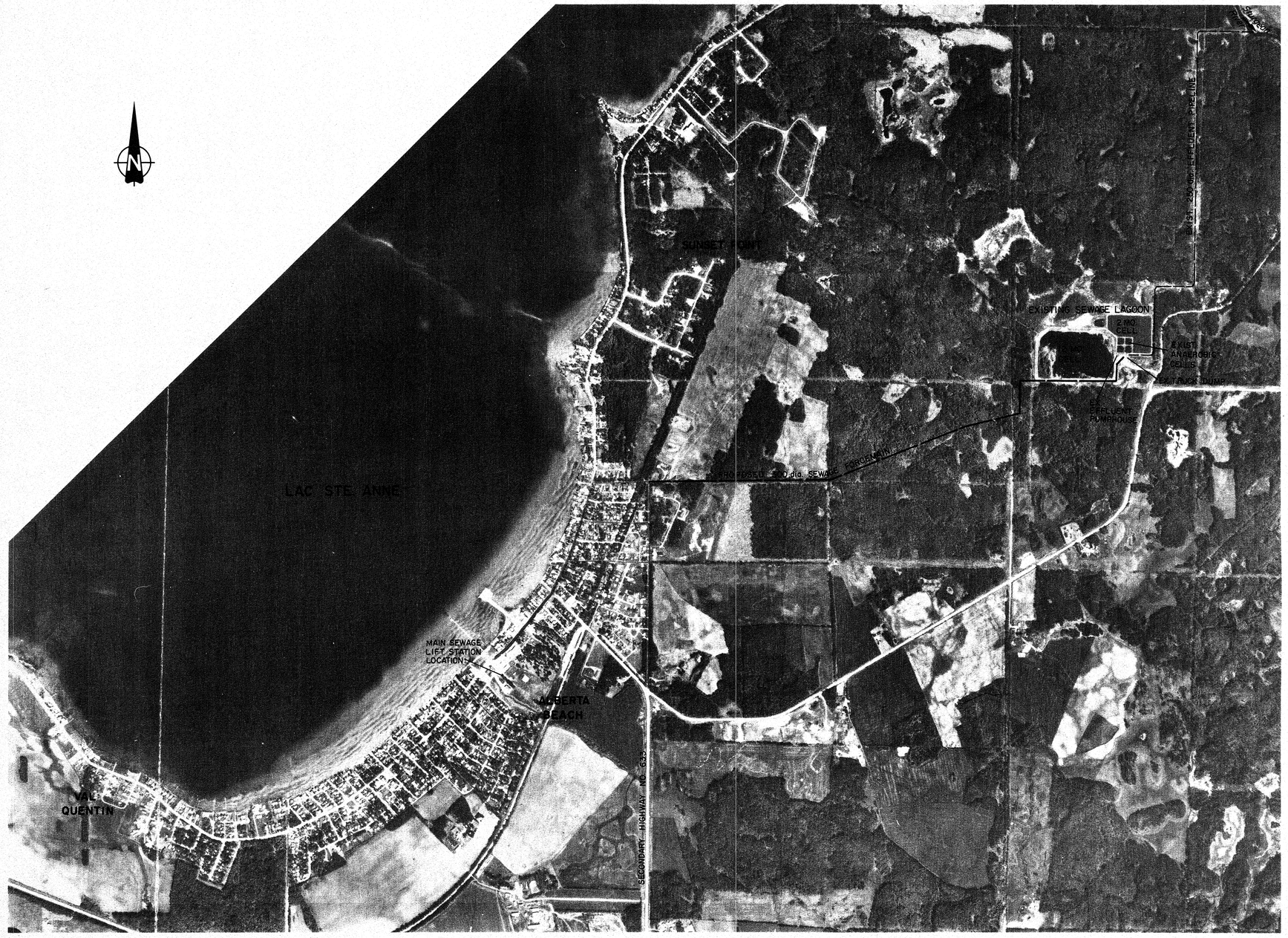
2.31	POWER DRIVE	
2.32	60th STREET	50th AVE. to 48th AVE.
2.33	59th STREET	50th AVE. NORTHERLY
2.34	58th STREET	51st. AVE.(LANE) to 49th AVE.
2.35	57th STREET	
2.36	56th STREET	50th AVE. to 49th AVE.
2.37	55th STREET 54th STREET	50th AVE. to 49th AVE. 49th AVE. NORTH TO LANE
2.38	53RD STREET AND NORTH LANE	48th AVE. to 50th AVE.
2.39	52A STREET	49th AVE. to 47th AVE.
2.40	51A STREET	49th AVE. to 47th AVE.
2.41	51st STREET	49th AVE. to 47th AVE.
2.42	50A STREET	49th AVE. to 47th AVE.
2.43	48th STREET	50th AVE. to 47th AVE.
2.44	47th STREET	47th AVE. to 46th AVE.
2.45	47th STREET	46th AVE. to 45th AVE.
2.46	46th STREET	50th AVE. to 47th AVE.
2.47	46th STREET	46th AVE. EASTERLY TOWARDS SCHOOL SITE
2.48	46th STREET	EASTERLY TOWARDS SCHOOL SITE
2.49	45th STREET	50th AVE. to 46th AVE.
2.50	44th STREET	50th AVE. to 45th AVE.
2.51	43rd STREET	50th AVE. to 47th AVE.
2.52	42nd ST.	50th AVE. to 45th AVE.
2.53	FORCEMAIN AT 42ND STREET	45th AVE. EAST. TOWARDS EXIST. LAGOON
2.54	FORCEMAIN	EASTERLY TOWARDS EXISTING LAGOON
2.55	FORCEMAIN	EASTERLY TOWARDS EXISTING LAGOON
2.56	FORCEMAIN	TIE-IN AT EXISTING LAGOON
2.57	LANE SOUTH OF 50th AVENUE	EASTERLY FROM 50th ST.
2.58	LANE SOUTH OF 47th STREET 47th AVENUE	50th AVE. to 47th AVE. LANE NORTHERLY to 47th ST.
2.59	LANE NORTH OF 47th STREET	50th AVE. to 47th AVE.
LS 2.1	ALBERTA BEACH LIFT STATION NO. 1	(MAIN LIFT STATION)
LS 2.2	ALBERTA BEACH LIFT STATION NO. 2	
D.1	DETAILS	
D.2	DETAILS	

SUMMER VILLAGE OF SUNSET POINT - CONTRACT NO. 3

3.1	SUNSET DRIVE	44th AVE. to 46th AVE.
3.2	SUNSET DRIVE	46th AVE. to 48th AVE.
3.3	SUNSET DRIVE	48th AVE. to 49A AVE.
3.4	SUNSET DRIVE	NORTH OF 50th AVE.
3.5	SUNSET DRIVE	SOUTH OF 51st AVE. to NORTH OF 52nd AVE.
3.6	SUNSET DRIVE	SOUTH OF 52nd AVE. to NORTH OF 53rd AVE.
3.7	SUNSET DRIVE	SOUTH OF 53rd AVE. to 55th AVE.
3.8	SUNSET DRIVE	55th AVE. to 56th AVE.
3.9	48A AVENUE	SUNSET DRIVE to 48th ST.
3.10	48TH STREET	48A AVE. to 49A AVE.
3.11	48TH STREET	48A AVE. to 49A AVE.
3.12	49A AVENUE	SUNSET DRIVE to 48th ST.
3.13	49A AVENUE	SUNSET DRIVE to 48th ST.
3.14	54TH AVENUE	SUNSET DRIVE to 49th ST.
3.15	49TH STREET	54th AVE. to CUL-DE-SAC & LANE OFF 54th AVE.
3.16	55TH AVENUE	
3.17	39TH STREET	
3.18	49TH STREET	CUL-DE-SAC to 56 AVE. & LANE OFF 56th AVE.
3.19	56TH AVENUE 49TH STREET	SUNSET DRIVE to 49th ST.
LS 3.1	SUNSET POINT LIFT STATION NO. 1	
LS 3.2	SUNSET POINT LIFT STATION NO. 2	
LS 3.3	SUNSET POINT LIFT STATION NO. 3	
D.1	DETAILS	
D.2	DETAILS	

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.



SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No	DATE	DESCRIPTION	DF BY	PM APP
1	11/90	AS BUILT		

REVISIONS

SCALE 300m 200 100 0 50 100m
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF
DATE MAR., 1990

SIEMENS

SIEMENS ENGINEERING SERVICES LTD
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

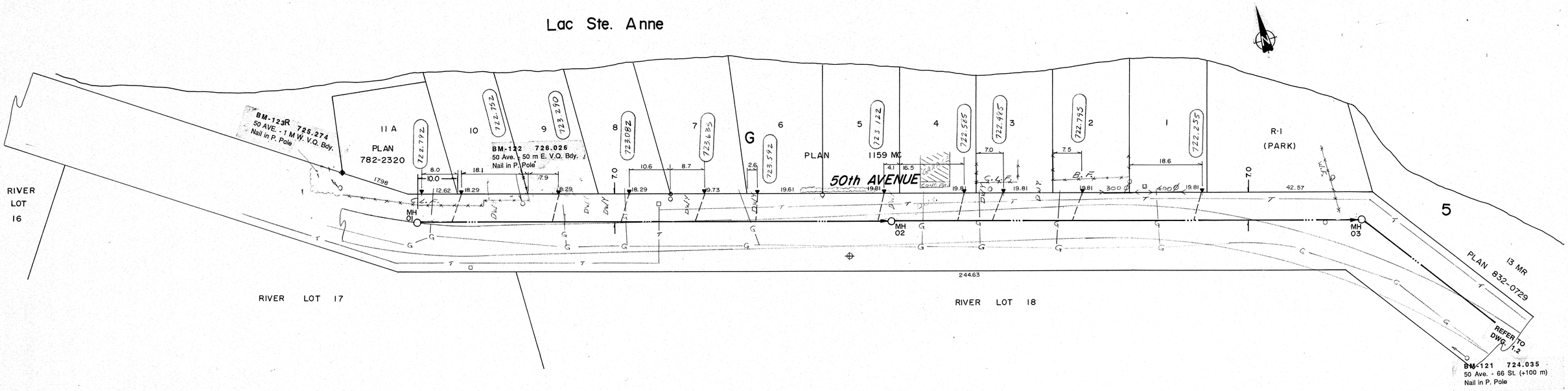
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGES OF VAL QUENTIN, ALBERTA BEACH AND SUNSET POINT SEWAGE COLLECTION SYSTEM

LOCATION PLAN
EXISTING SEWAGE TREATMENT FACILITIES

SHEET OF DWG No. 01

Lac Ste. Anne



NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 96-04-18
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NASH 9 Oct 16

No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED	DF	PM
1	11/90	AS BUILT	DF	PM

REVISIONS

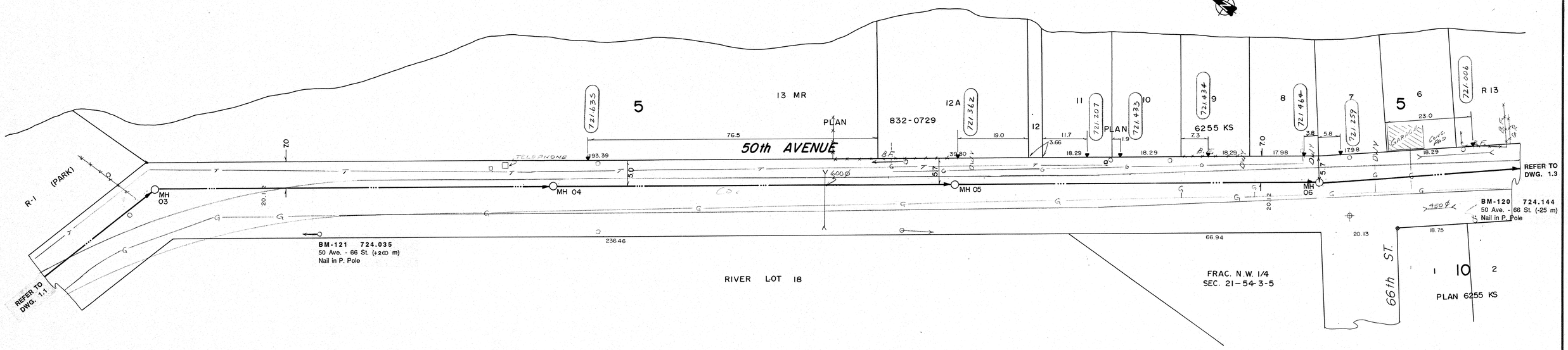
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

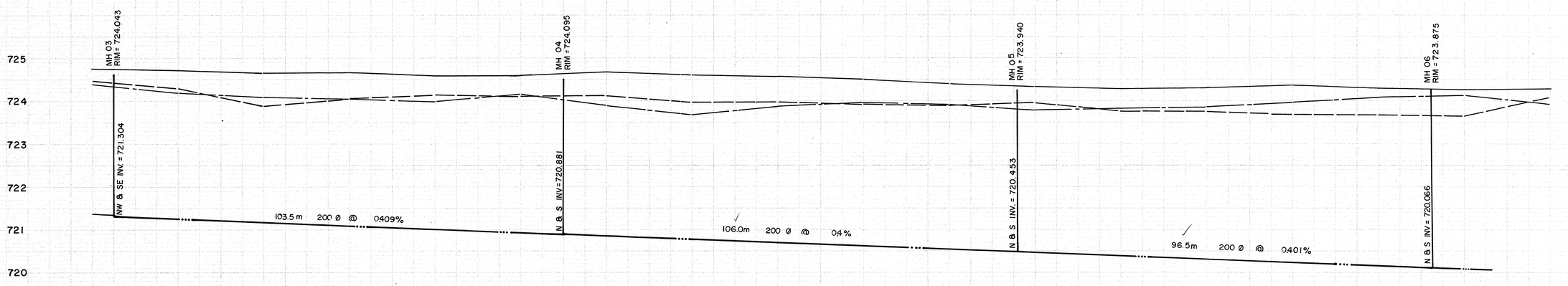
DESIGNED BY EDN
DRAWN BY DFF / TG
CHECKED BY
DATE MAR., 1990
PROJECT. No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM
50th AVENUE
WEST END - VAL QUENTIN
SHEET ..... OF ..... DWG. No. 1.1

Lac Ste. Anne





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-02-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 96-09-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — D. NARES — SEAL — 96-09-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF / TG

CHECKED BY

DATE MAR., 1990

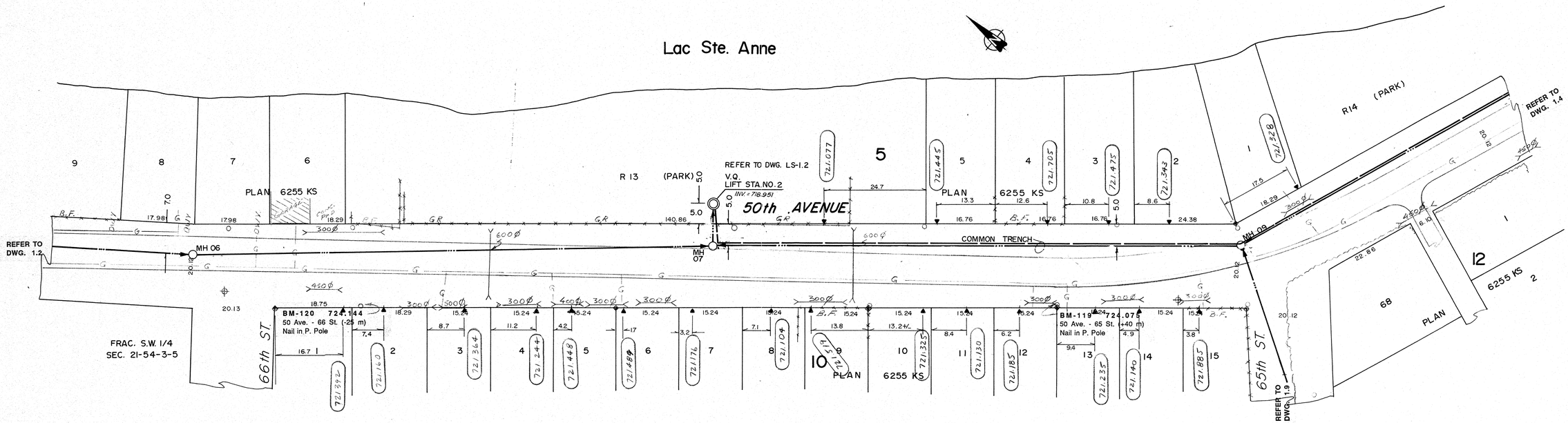
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

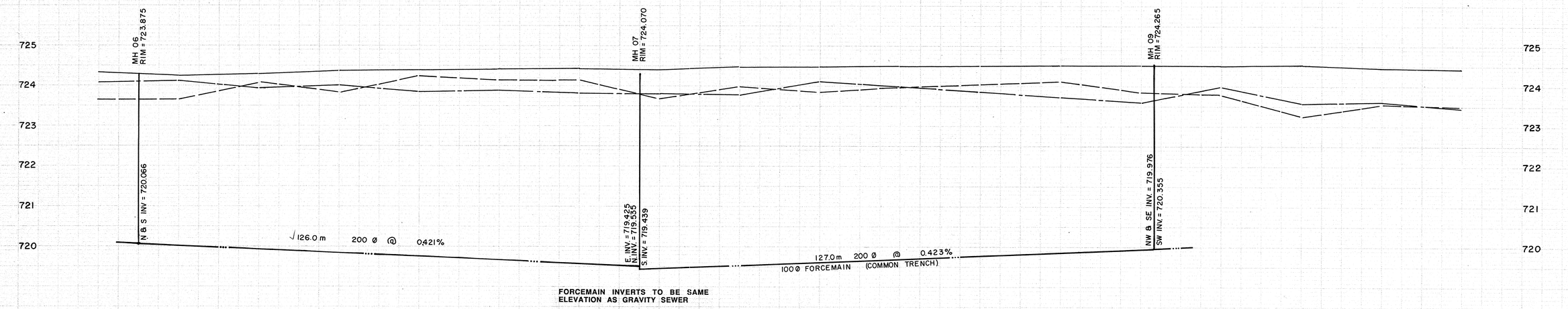
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM

50th AVENUE
WEST TOWARDS 66th STREET

SHEET ..... OF .....
DWG. No. 1.2





FORCEMAIN INVERTS TO BE SAME ELEVATION AS GRAVITY SEWER

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. HARE 9-1

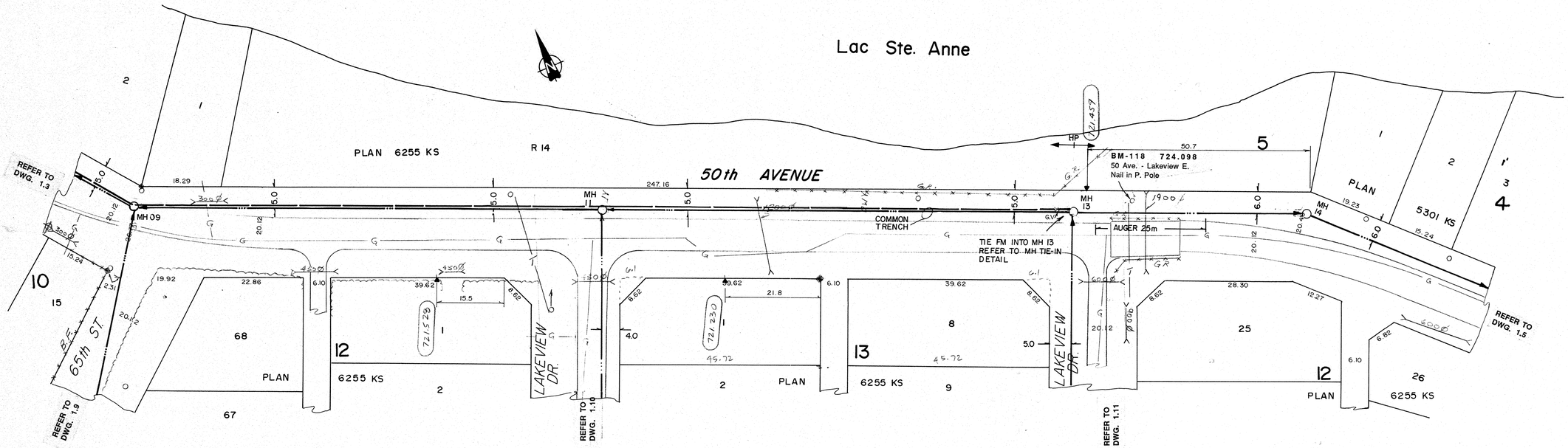
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

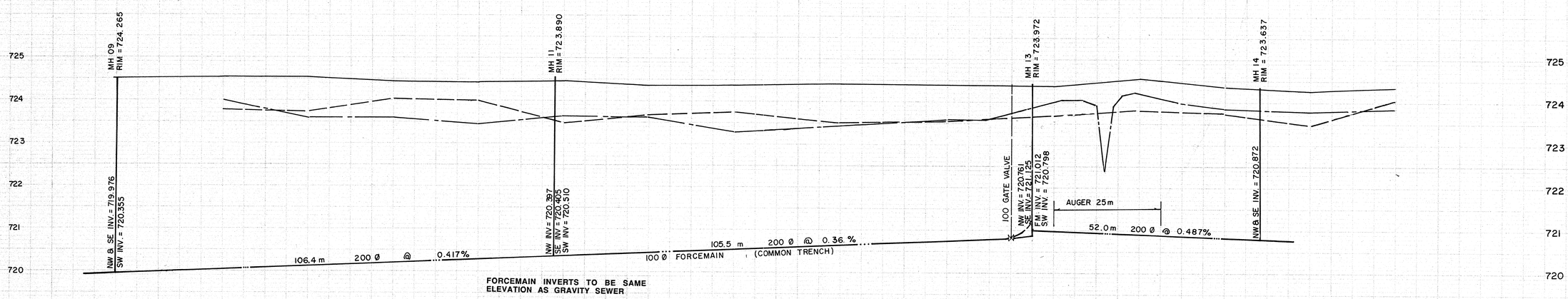
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
PROJECT No. 60-89-1
DESIGNED BY EBN
DRAWN BY DFF/TG
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM
50th AVENUE
66th ST. to 65th ST.
SHEET ..... OF ..... DWG. No. 1.3





FORCEMAIN INVERTS TO BE SAME ELEVATION AS GRAVITY SEWER

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF / TG

CHECKED BY

DATE MAR., 1990

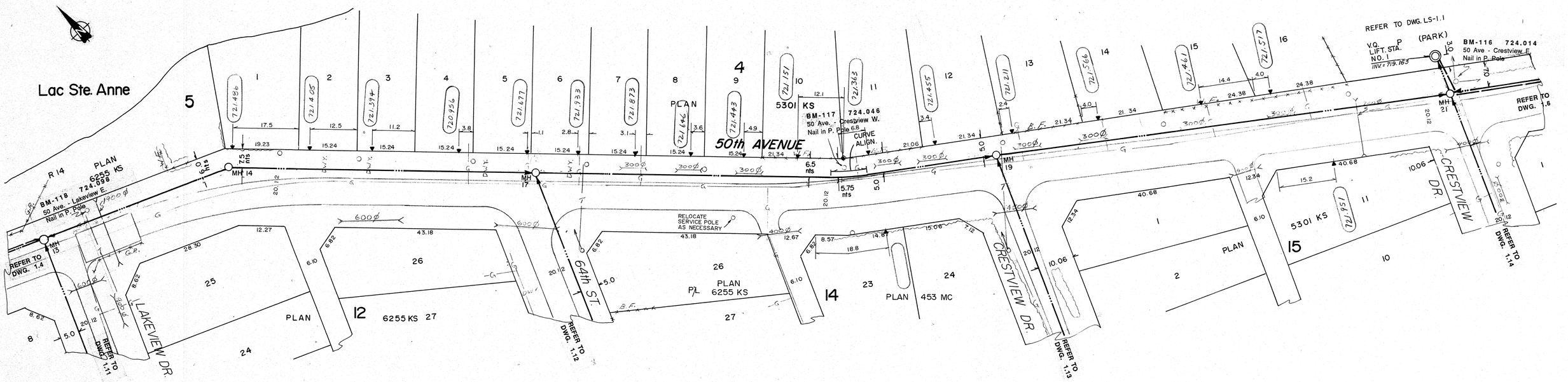
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

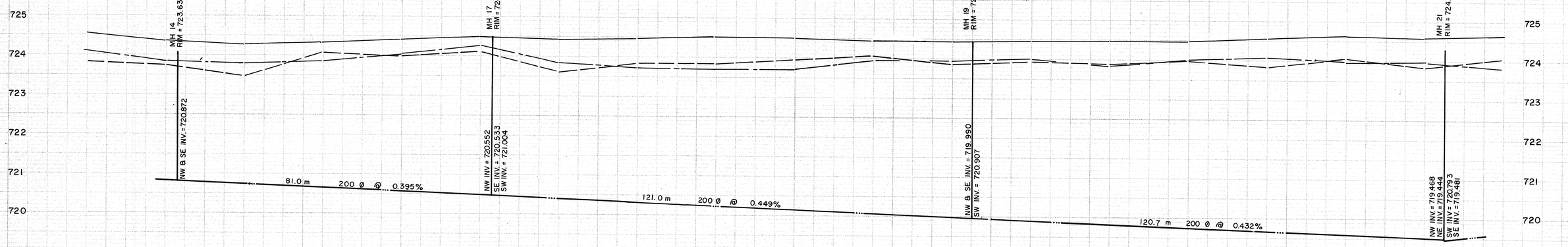
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM

50th AVENUE
65th ST. to LAKEVIEW DRIVE E.

SHEET ..... OF ..... DWG. No. 1.4





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NABE

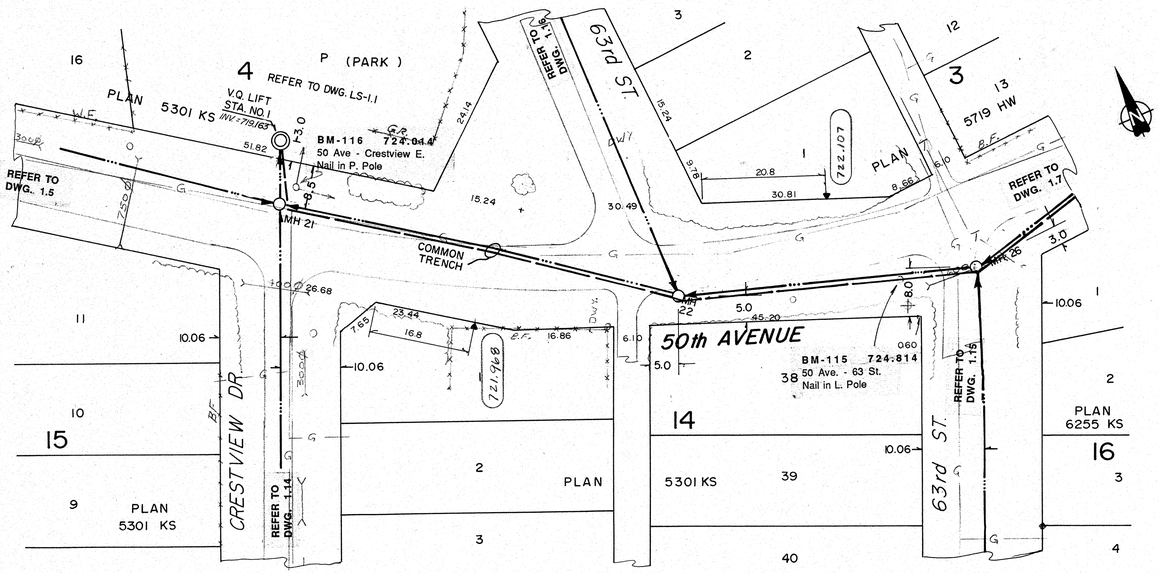
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

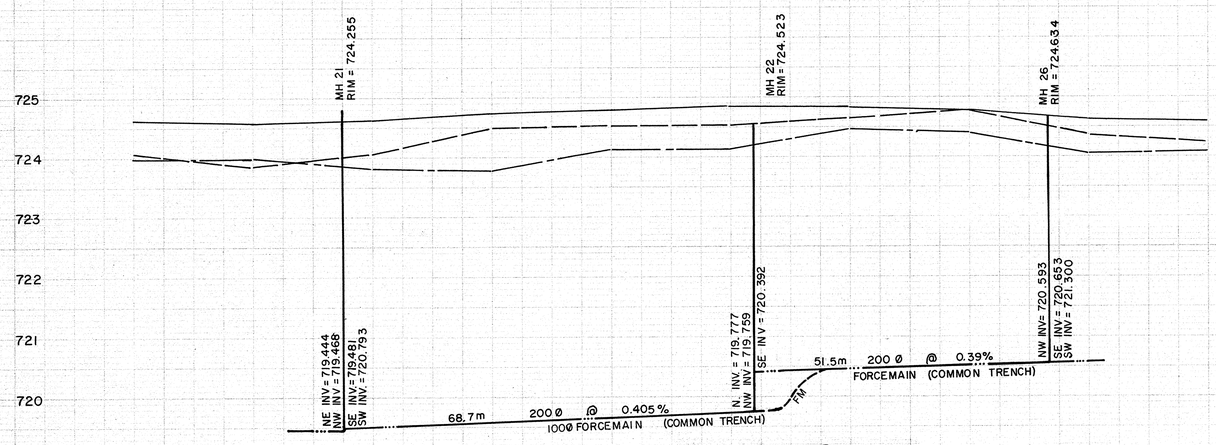
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF/TG
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM
50th AVENUE
LAKEVIEW DR. E. to CRESTVIEW DR. E.
SHEET ..... OF ..... DWG. No. 1.5





725
724
723
722
721
720

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

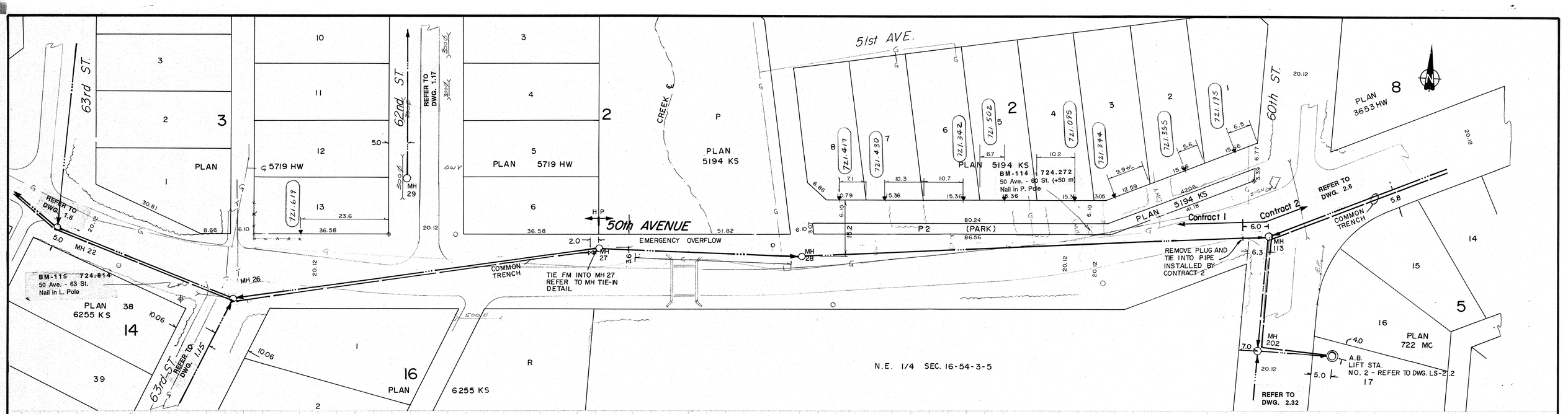
REVISIONS

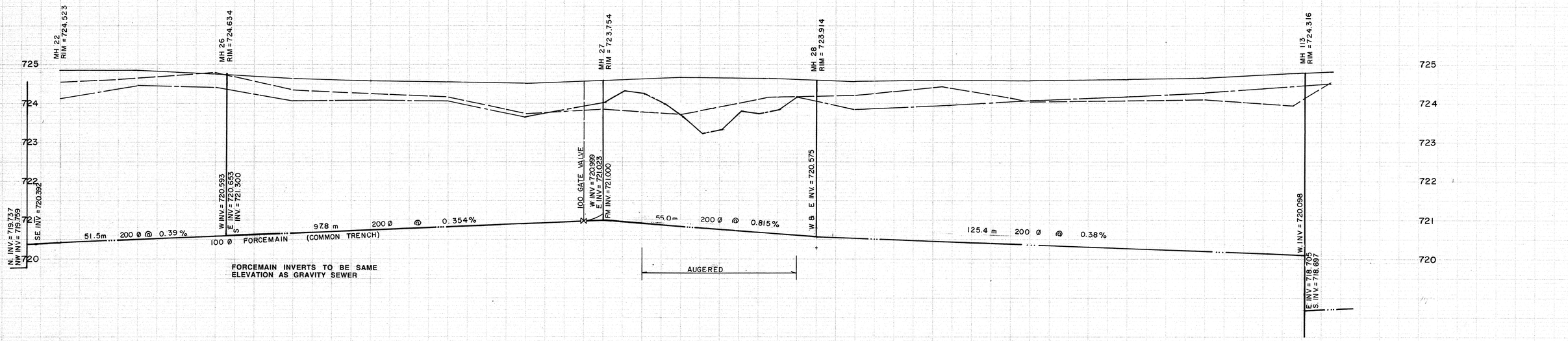
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1
DESIGNED BY EDN
DRAWN BY DFF / TG
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM
50th AVENUE
CRESTVIEW DR. E. to 63rd ST.
SHEET ..... OF ..... DWG. No. 1.6





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-09-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — E. D. NASH — 90-09-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
DRAWN BY DFF / TG
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

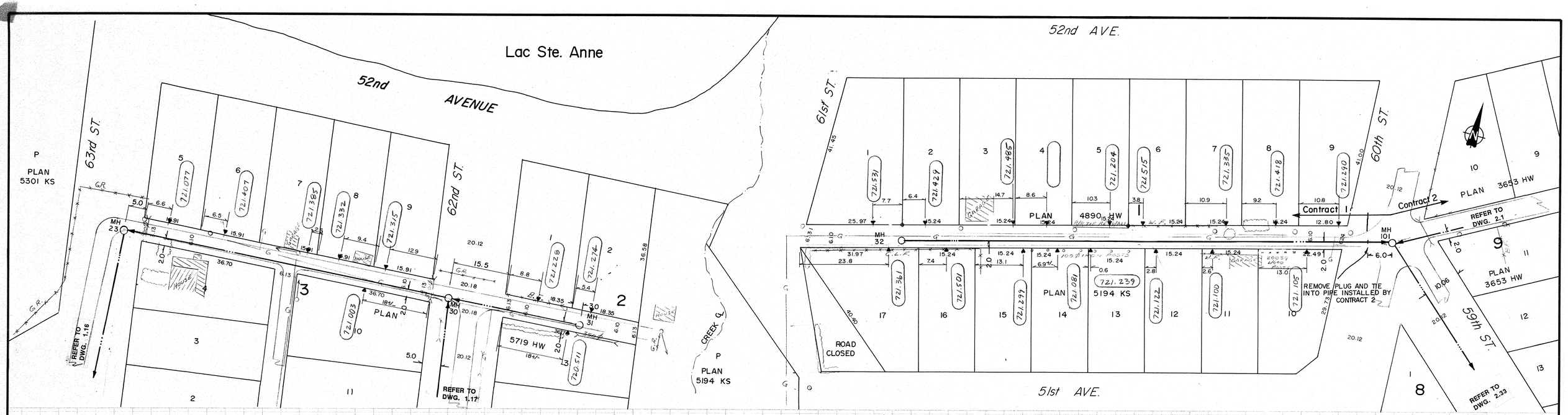
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

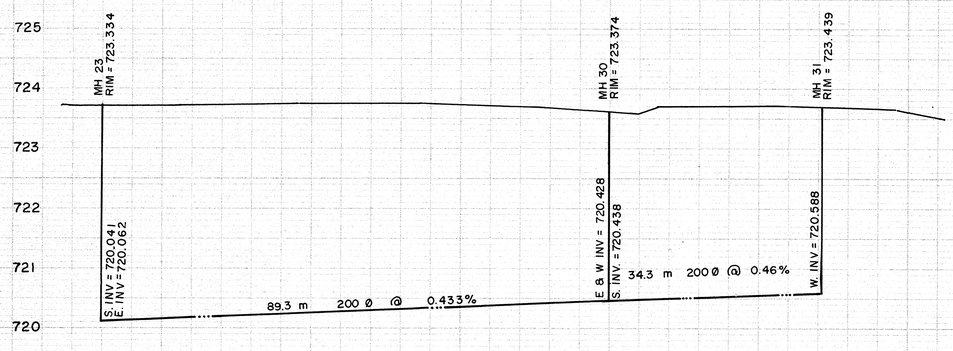
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

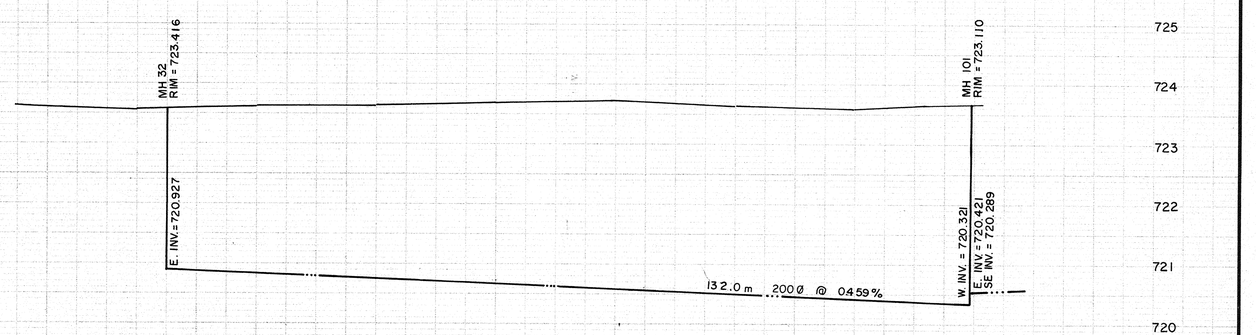
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM

50th AVENUE
63rd ST. to 60th ST.

SHEET ..... OF ..... DWG. No. 1.7







NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AST PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — E. D. NASH — 90-04-12

No.	DATE	DESCRIPTION	BY	APP
2	1990-11	AS BUILT	DF	PM
1	1990-05-23	ADDITIONAL MANHOLES	DF	EN

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF / TG
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

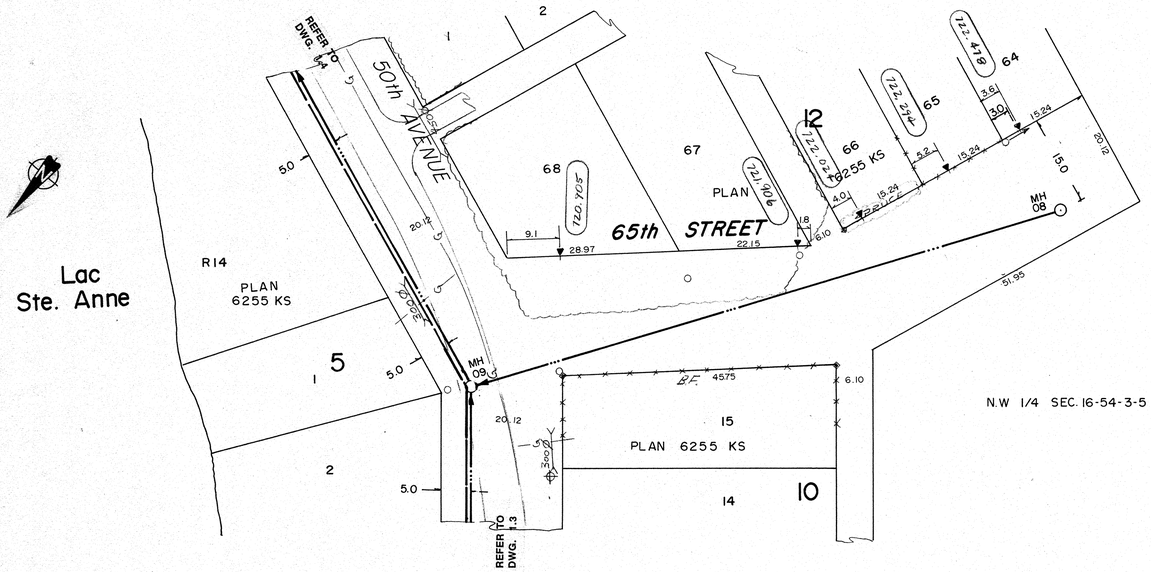
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

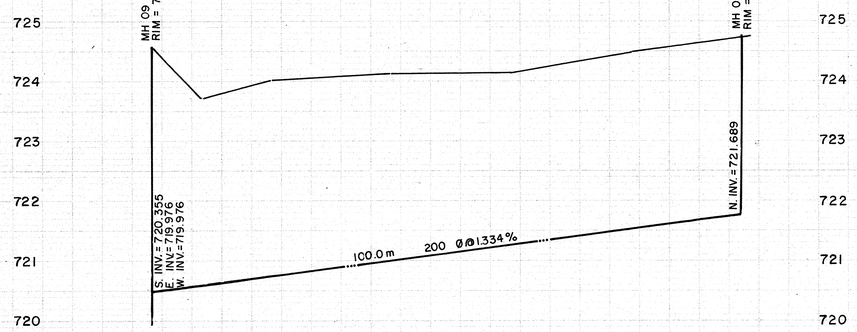
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM

51st AVENUE (LANE)
63rd ST. to 60th ST.

SHEET ..... OF ..... DWG. No. 1.8





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 91-04-17
PERMIT NUMBER: P 2398
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER E.D. NABE 91-04-17 ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF / TG

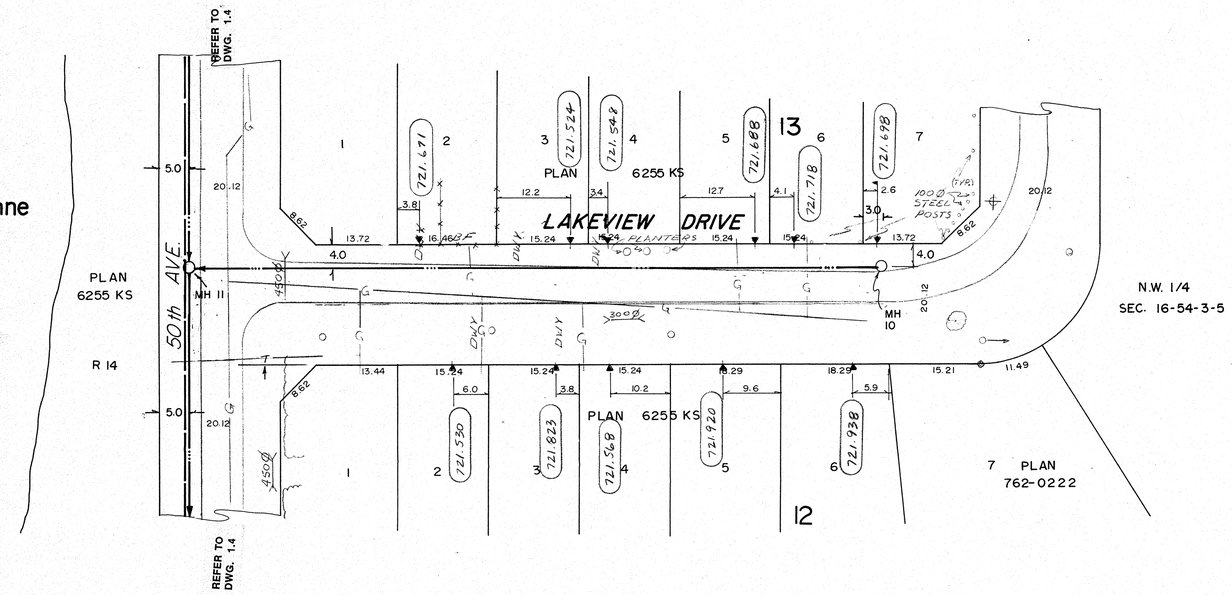
CHECKED BY

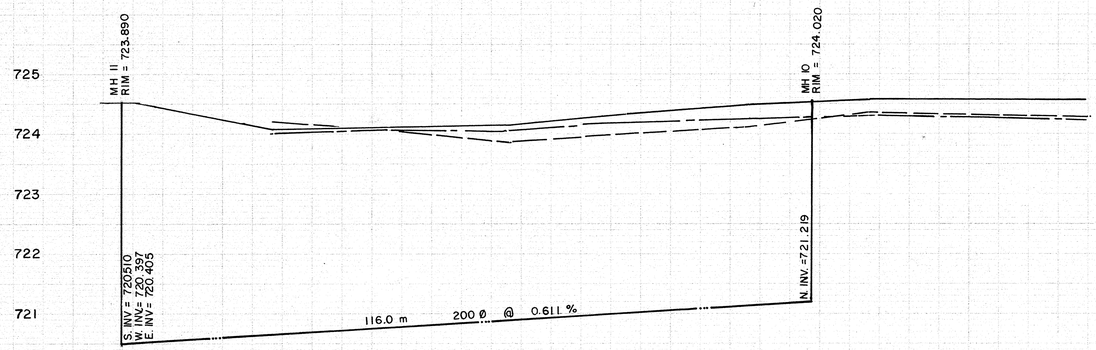
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM
65th STREET

SHEET ..... OF ..... DWG. No. 1.9





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NAGY 90-04-12

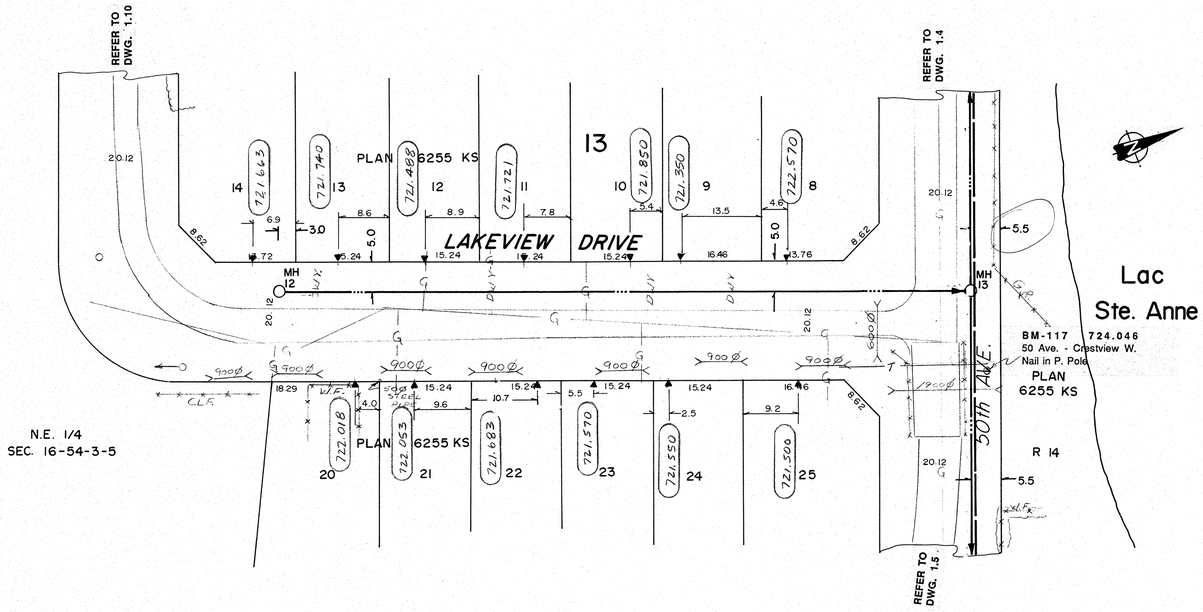
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

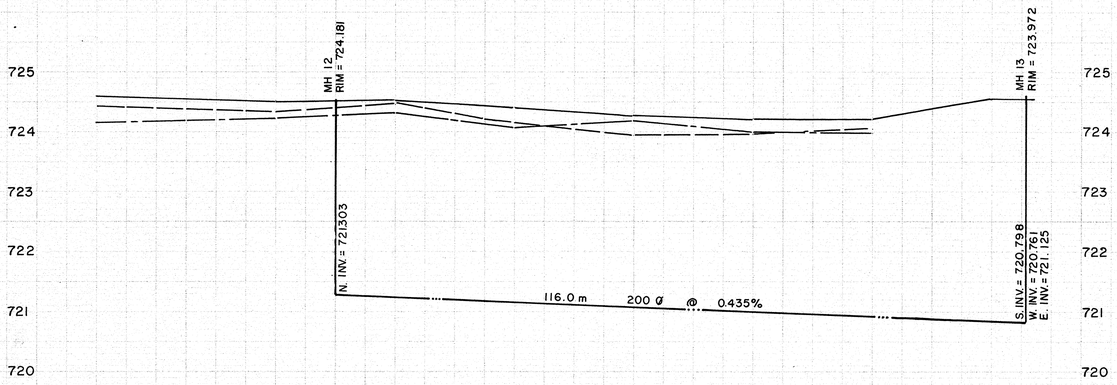
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
PROJECT No. 60-89-1
DESIGNED BY EDN
DRAWN BY DFF / TG
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM
LAKEVIEW DRIVE W.
SHEET ..... OF .....
DWG. No. 1.10





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NASH 90-04-12

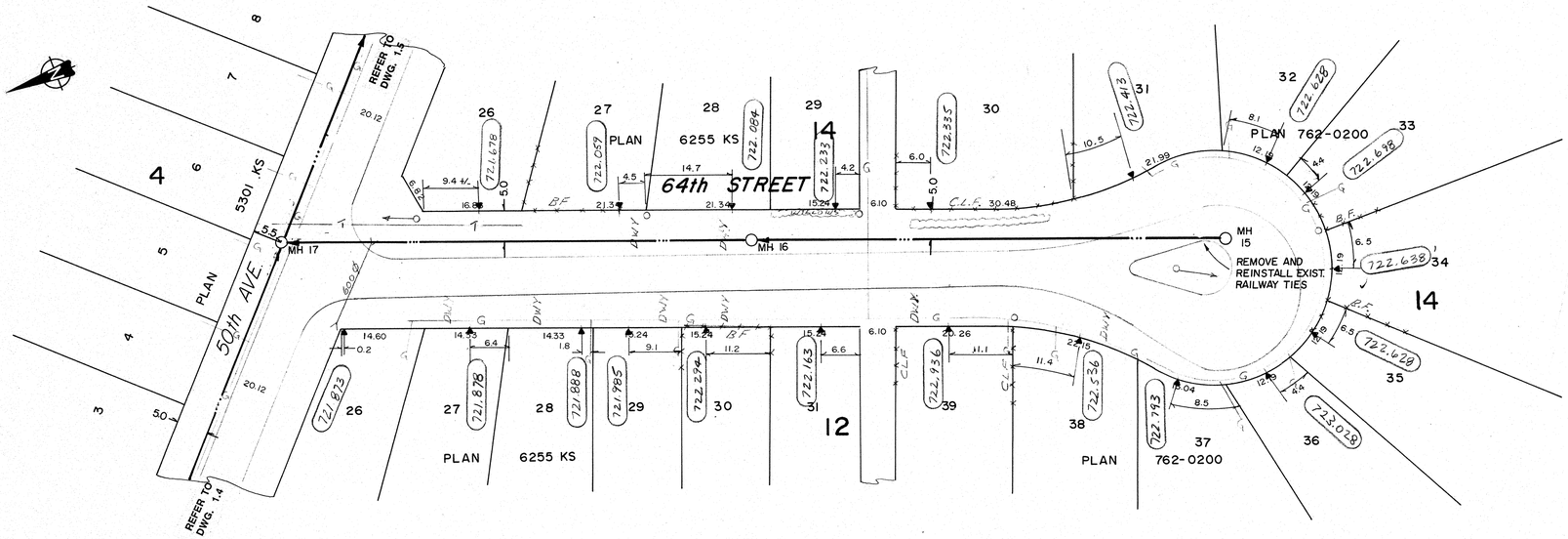
No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED	DF	PM
1	11/90	ASBUILT	DF	PM

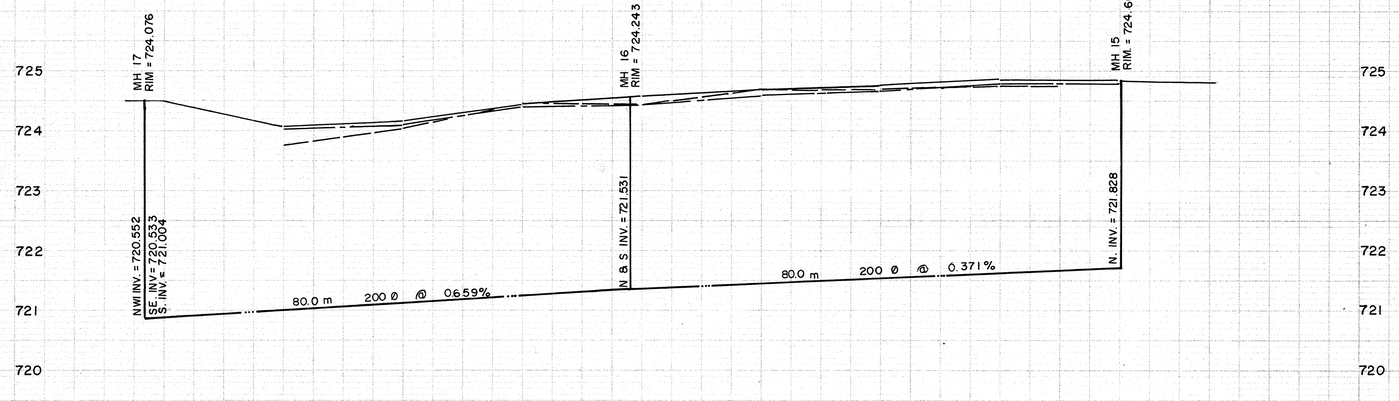
REVISIONS

SCALE HORIZ. 10m 5 0 5 VERT. 1.0m 0.5 0 0.5
PROJECT No. 60-89-1
DESIGNED BY EDN
DRAWN BY DFF / TG
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM
LAKEVIEW DRIVE E.
SHEET ..... OF ..... DWG. No. 1.11





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA D. NAIR 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF / TG

CHECKED BY

DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

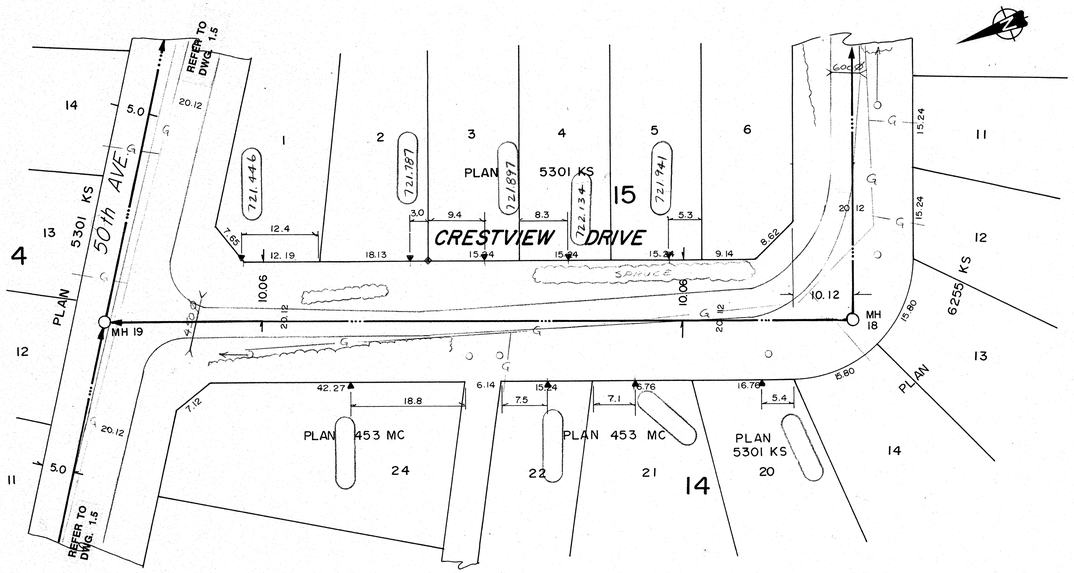
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

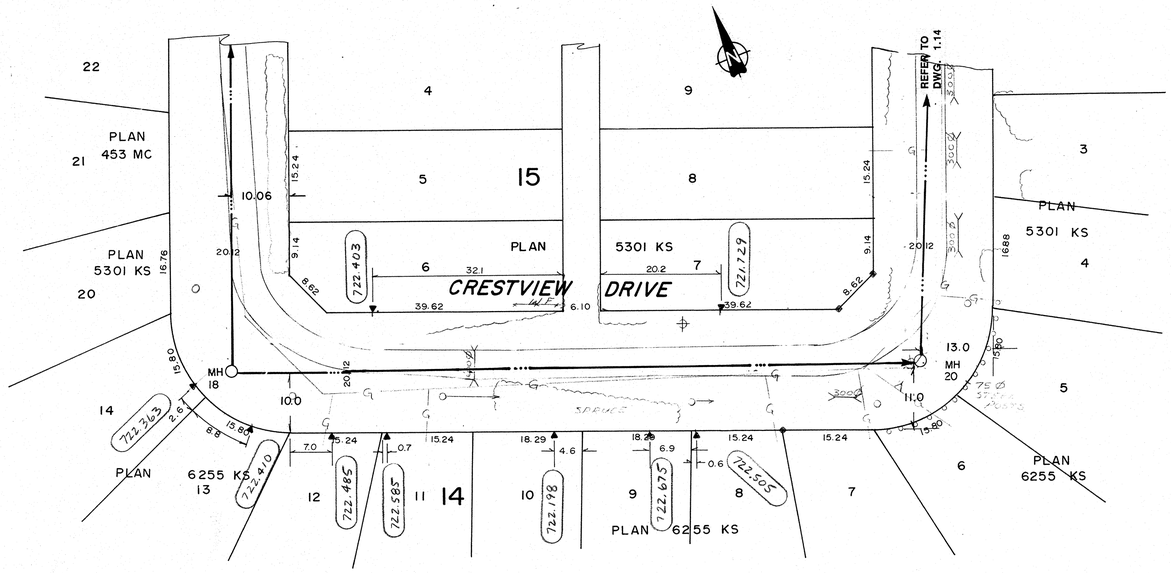
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM

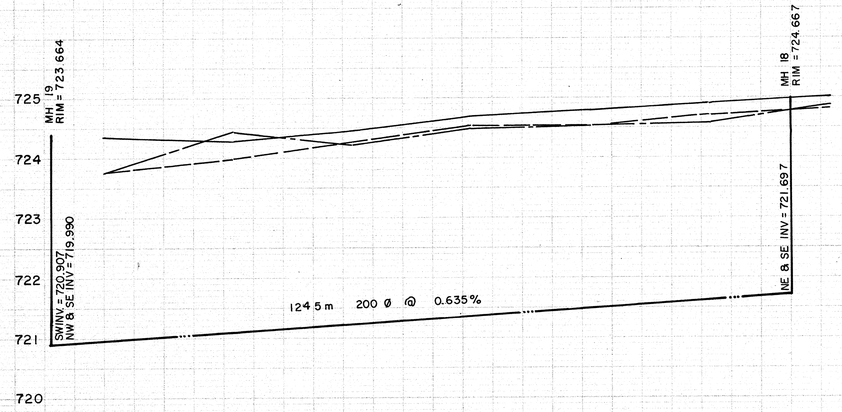
64th STREET

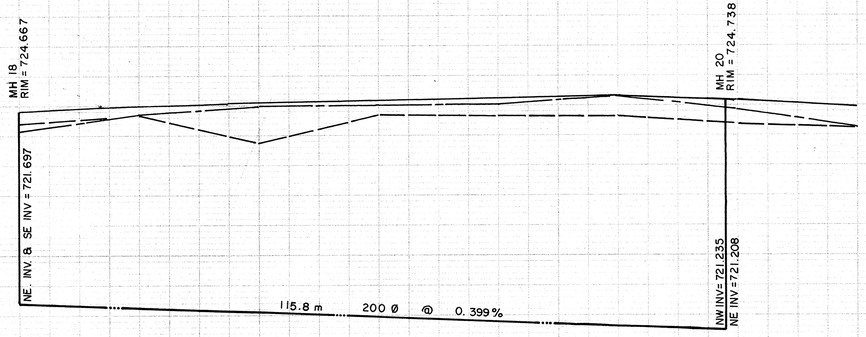
SHEET ..... OF .....

DWG. No. 1.12









NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90.09.12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NABER 90.09.12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

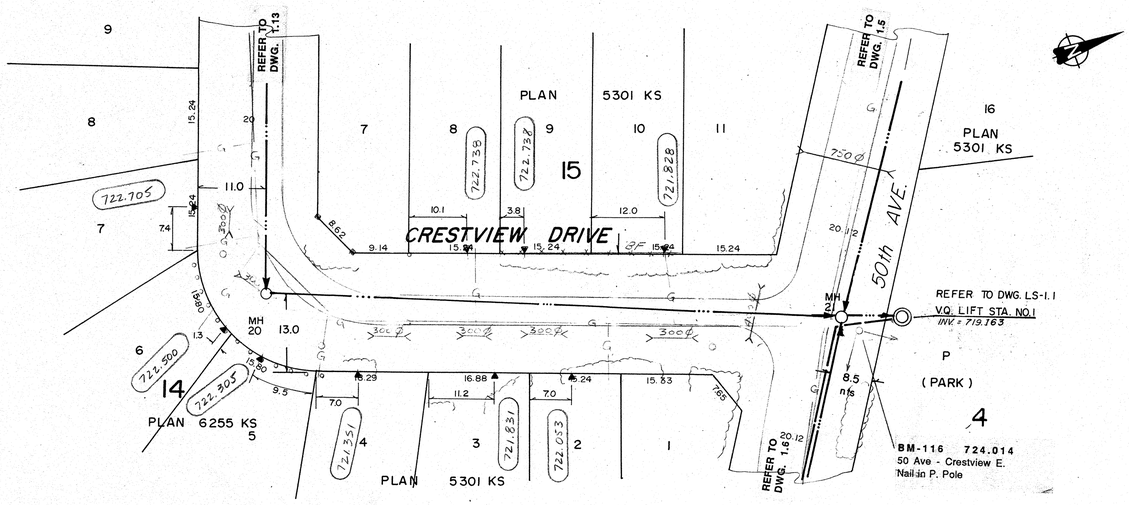
REVISIONS

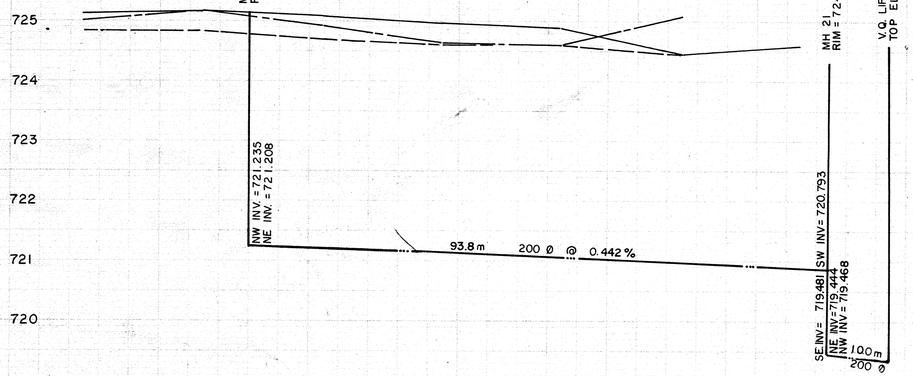
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF / TG
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM
CRESTVIEW DRIVE
SHEET ..... OF .....
DWG. No. 1.13





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-09-12
PERMIT NUMBER: P 2398
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NABE 90-09-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF / TG

CHECKED BY

DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

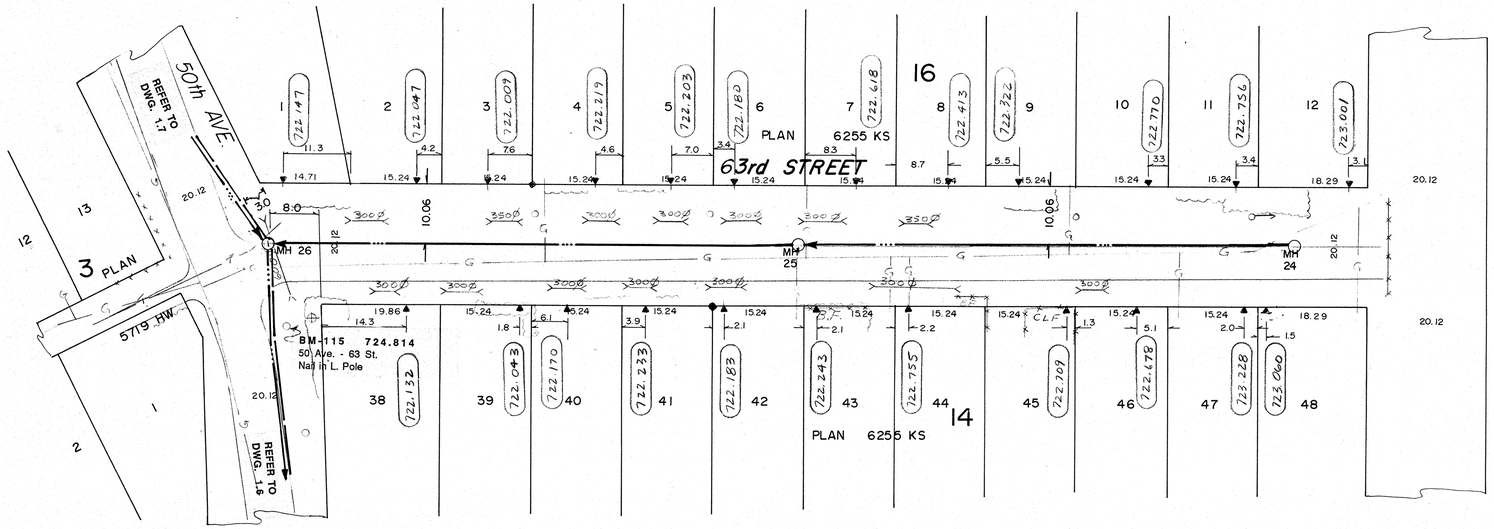
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

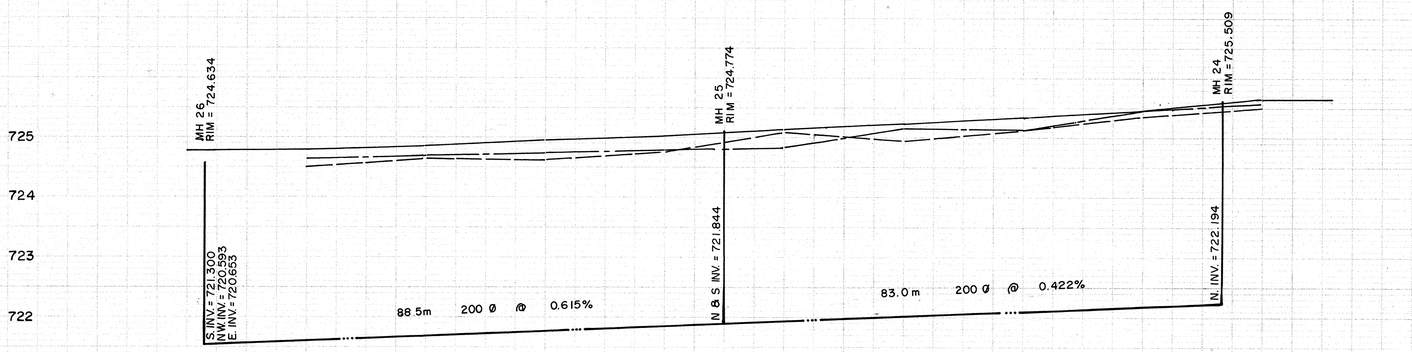
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM

CRESTVIEW DRIVE

SHEET ..... OF .....

DWG. No. 1.14





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
E. D. NAME
90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

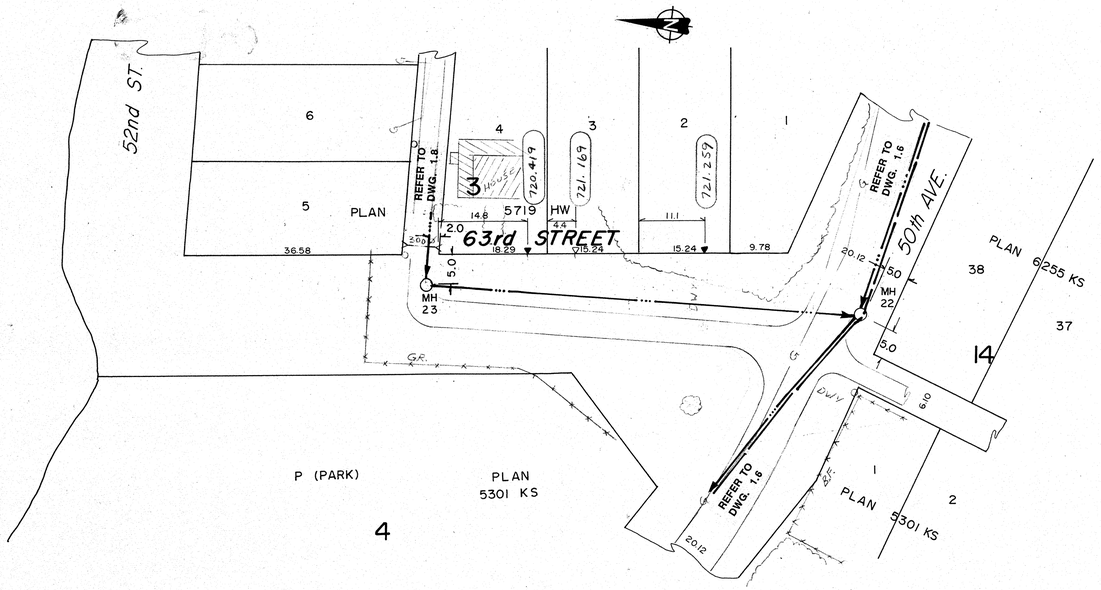
REVISIONS

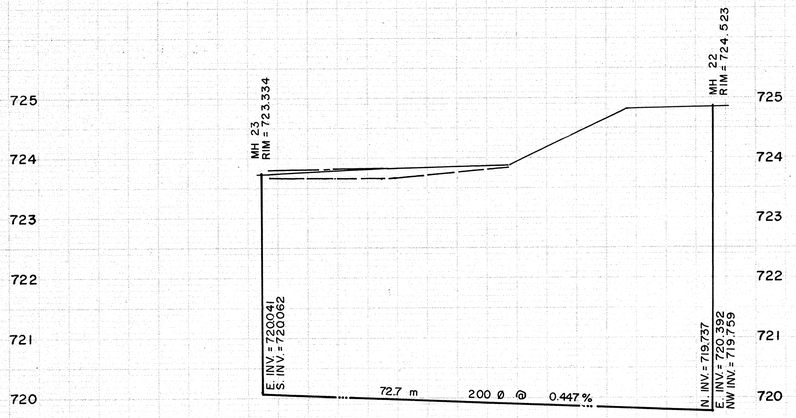
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF / TG
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM
63rd STREET
50th AVE. SOUTHERLY
SHEET ..... OF .....
DWG. No. 1.15

Lac
Ste.
Anne





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-02
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 91-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — CHRISTOPHER D. NASH — 91-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF / TG
CHECKED BY
DATE MAR., 1990

PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

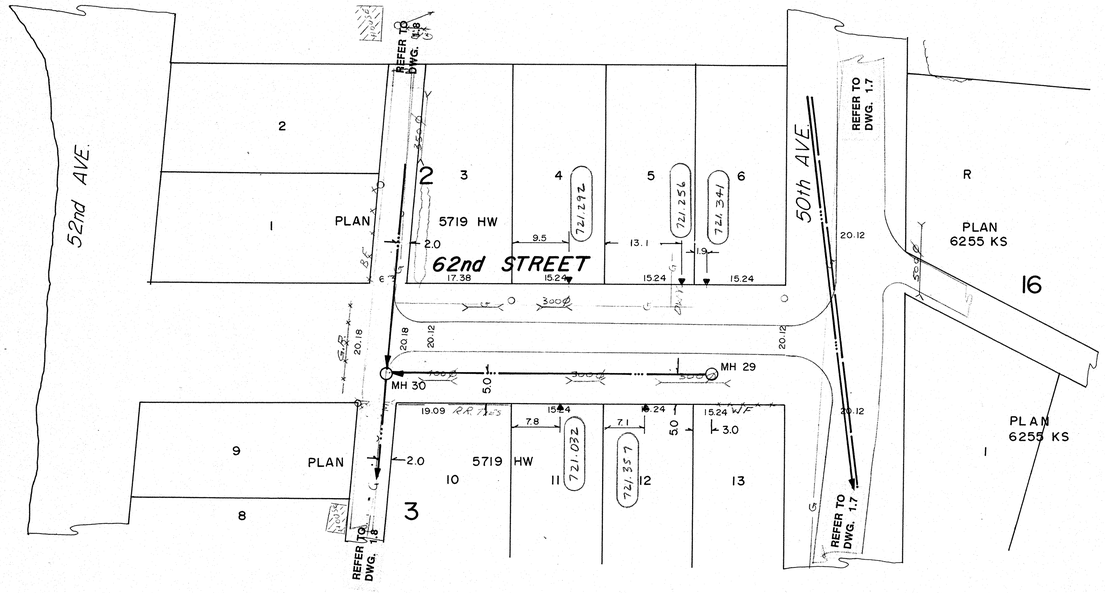
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

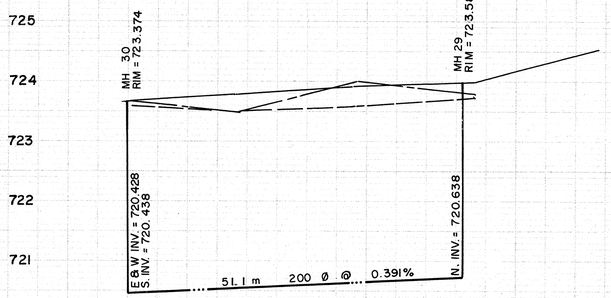
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM

63rd STREET
50th AVE. NORTHERLY

SHEET ..... OF ..... DWG. No. 1.16

Lac
Ste. Anne





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-11
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

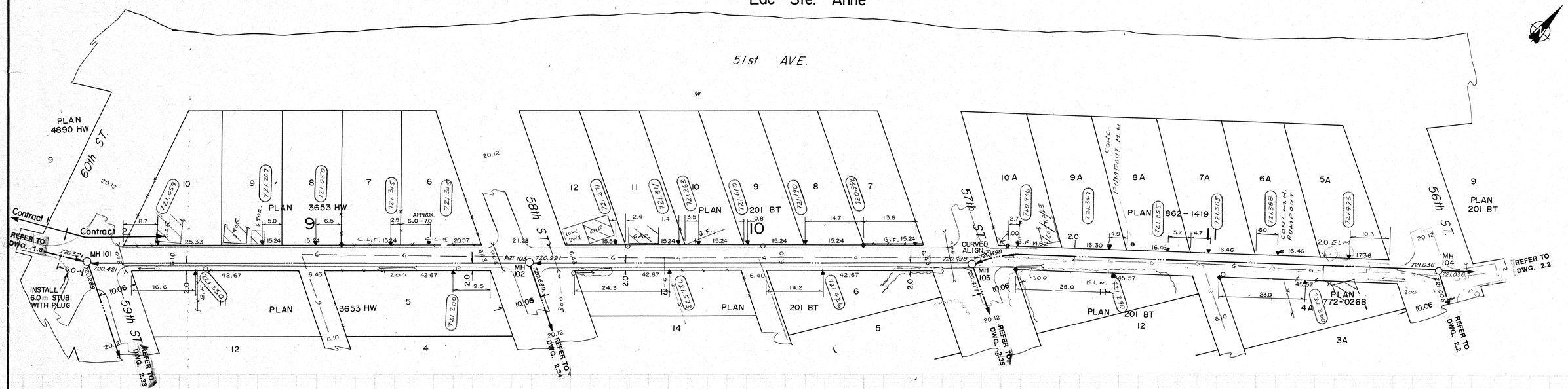
REVISIONS

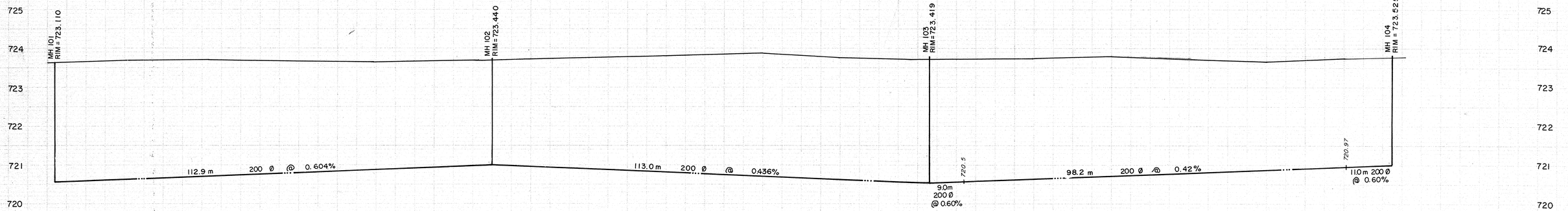
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF / TG
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM
62nd STREET
SHEET ..... OF .....
DWG. No. 1.17

Lac Ste. Anne





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 91-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NASE 32-04-17

No.	DATE	DESCRIPTION	BY	APP
3	05/92	AS BUILT REVISED	DF	PM
2	11/90	AS BUILT	DF	PM
1	1990 05 23	GRADE CHANGE	DF	EN

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
51st AVENUE (LANE)
60th ST. to 56th STREET

SHEET ..... OF ..... DWG. No. 2.1

LAC STE. ANNE

HUDSON'S BAY RESERVE

PROPOSED 15.0m EASEMENT — 300 FM (CONTRACT 2)

SUMMER VILLAGE OF ALBERTA BEACH CORPORATE LIMITS

SCHOOL
1 - M.S.R.

PROPOSED 6.0m EASEMENT

Contract 3

Contract 2

Contract 1

SUMMER VILLAGE OF VAL QUENTIN CORPORATE LIMITS

V.Q. LIFT STA. NO. 1

V.Q. LIFT STA. NO. 2

A.B. LIFT STA. NO. 1

A.B. LIFT STA. NO. 2

SANITARY LAND FILL

STREET CLOSED

LAKEVIEW DR.

CRESTVIEW DR.

R.L. 16

R.L. 17

R.L. 18

HWY. NO. 33

16
54-3-5

15
54-3-5

14
54-3-5

23
54-3-5

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

135 — GRAVITY SEWER, MANHOLE WITH NUMBER, AND DIRECTION OF FLOW

——— SEWAGE FORCEMAIN

GRAVITY SEWER IS 200 DIA. UNLESS SHOWN OTHERWISE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90/04/12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
E. D. NARE
90/04/12

No.	DATE	DESCRIPTION	BY	APP
2	11/90	AS BUILT	DF	PM
1	1990 05 23	ADDITIONAL MANHOLES	DF	EN

REVISIONS

SCALE 150m 100 50 25 0 50m

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF

CHECKED BY

DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

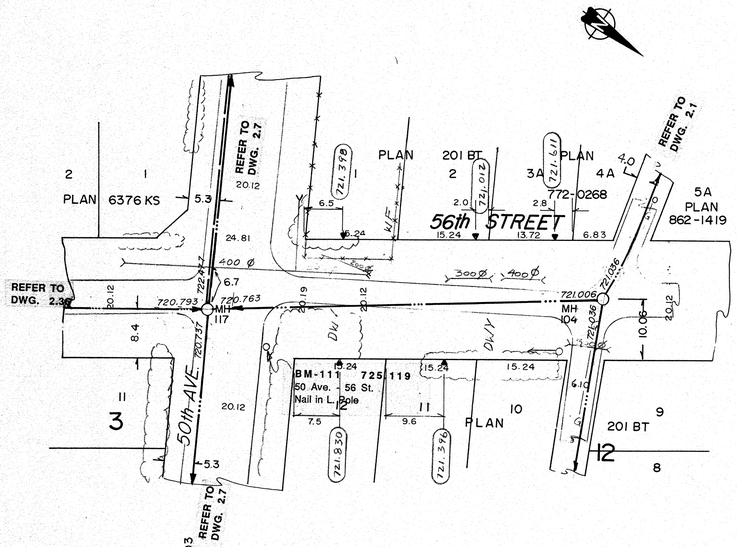
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

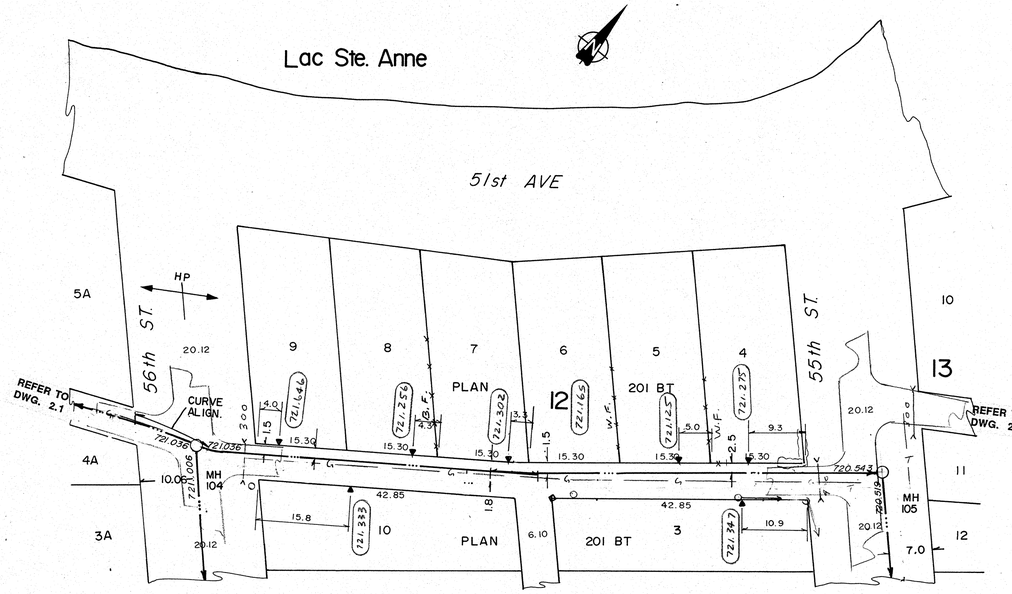
SUMMER VILLAGES OF
VAL QUENTIN AND ALBERTA BEACH

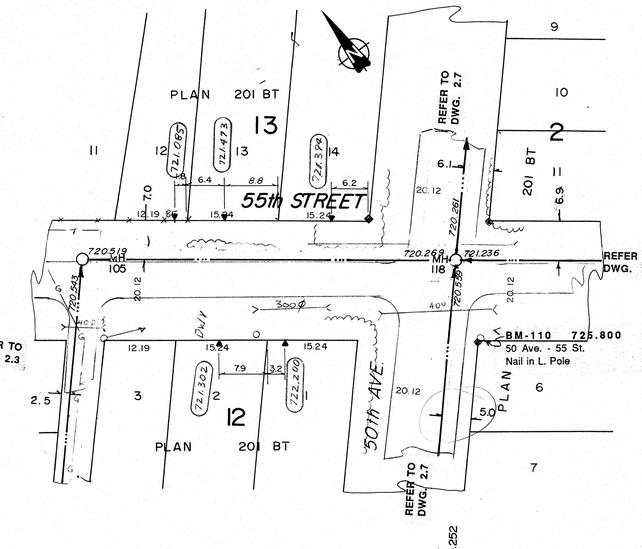
SEWAGE COLLECTION SYSTEM

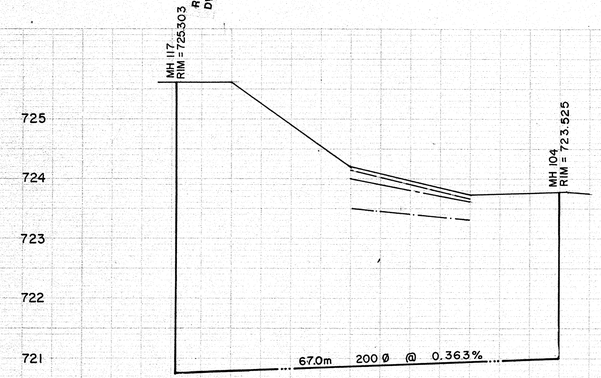
OVERALL PLAN

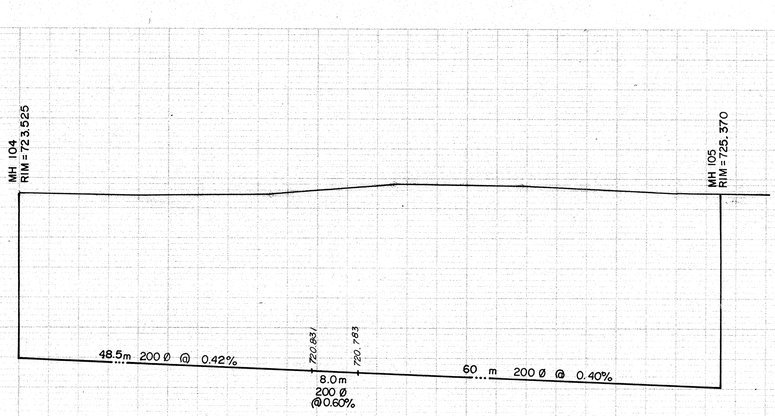
SHEET ..... OF ..... DWG. No. 02

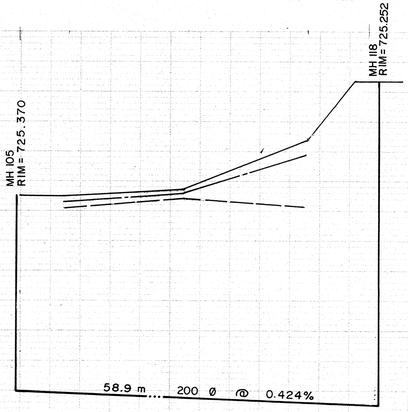












NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (150 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — D. NARE — 90-04-12

No.	DATE	DESCRIPTION	BY	APP
2	11/90	AS BUILT	DF	PM
1	1990 05 23	GRADE CHANGE	DF	EN

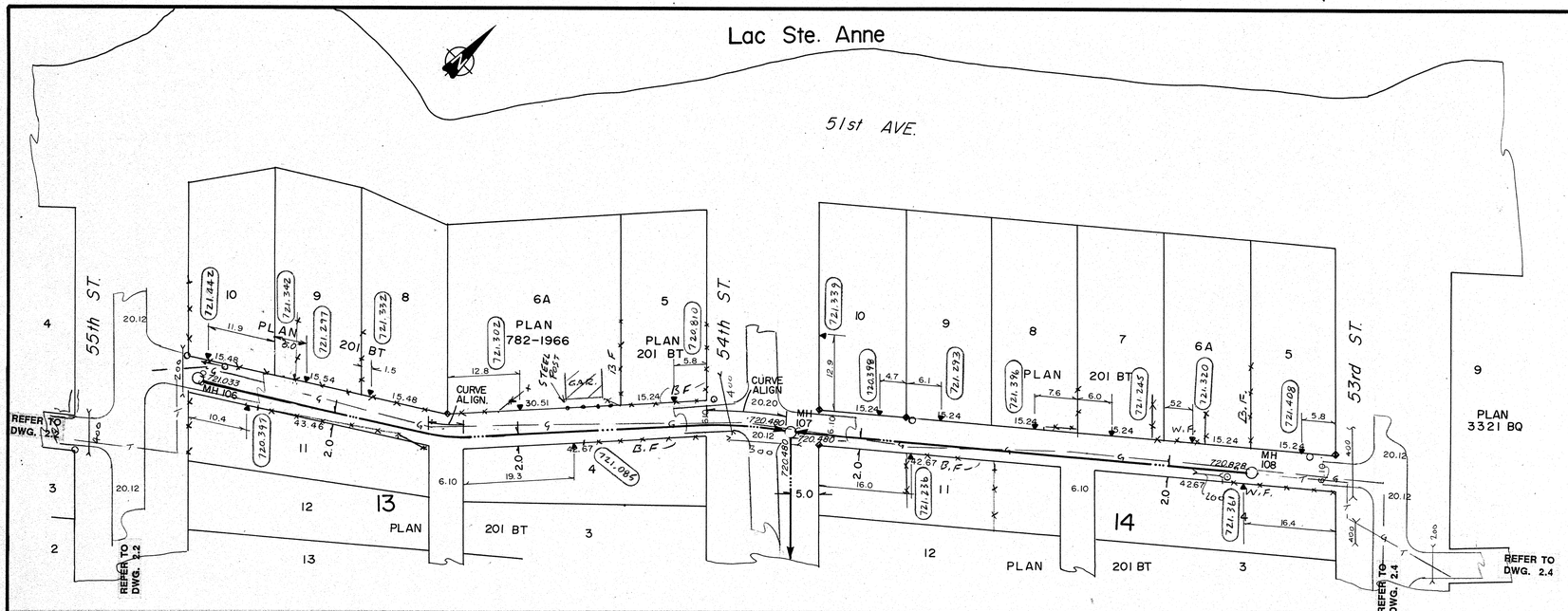
REVISIONS

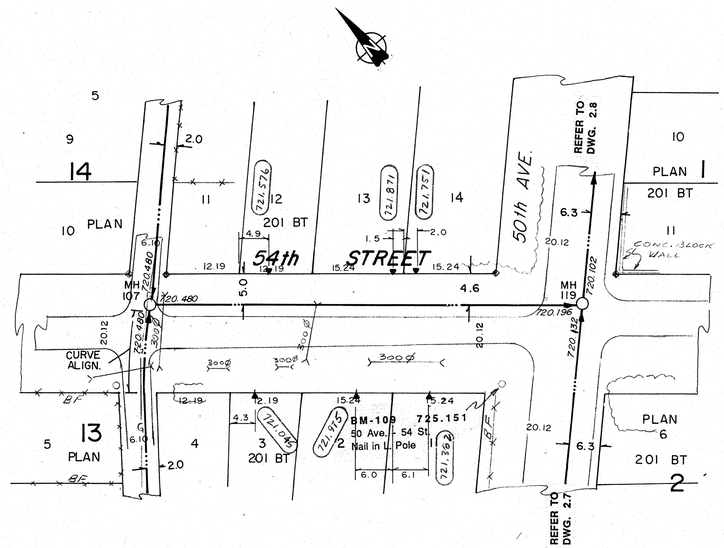
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

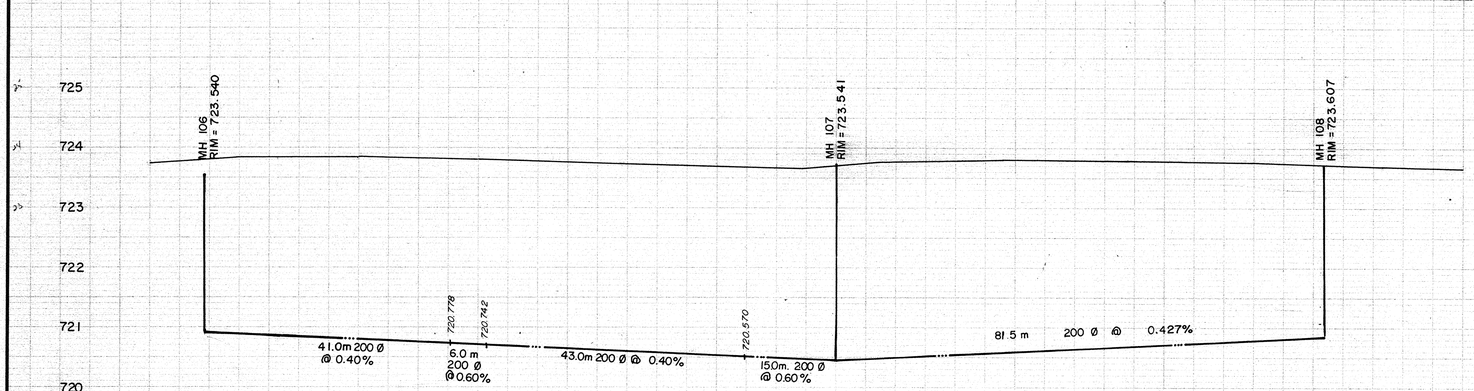
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

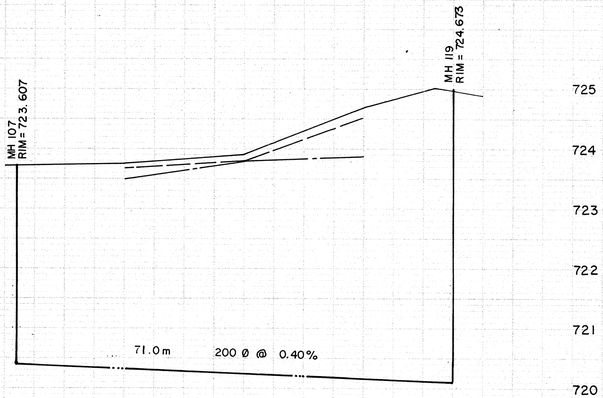
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
56th STREET/LANE/55th STREET
50th AVE. to 50th AVE.
SHEET ..... OF ..... DWG. No. 2.2









NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2398
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
2	11/90	AS BUILT	DF	PM
1	1990 05 23	GRADE CHANGE	DF	EN

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF YJC

CHECKED BY

DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

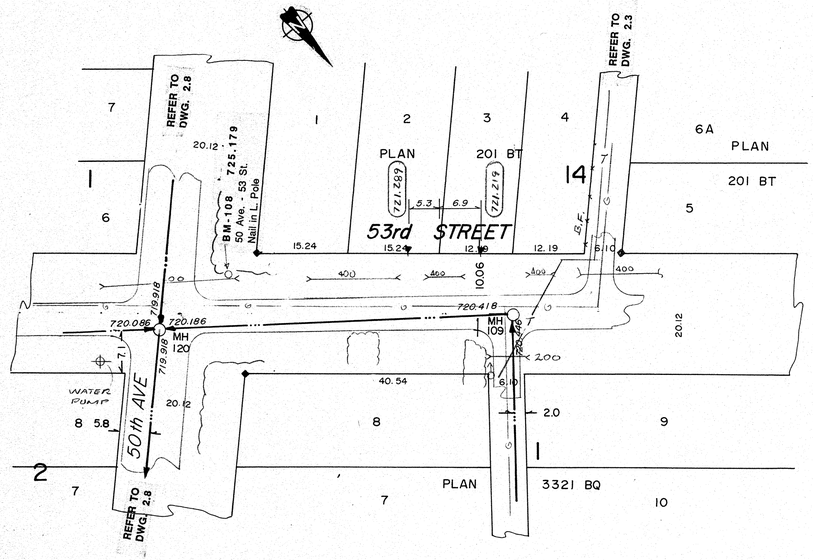
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

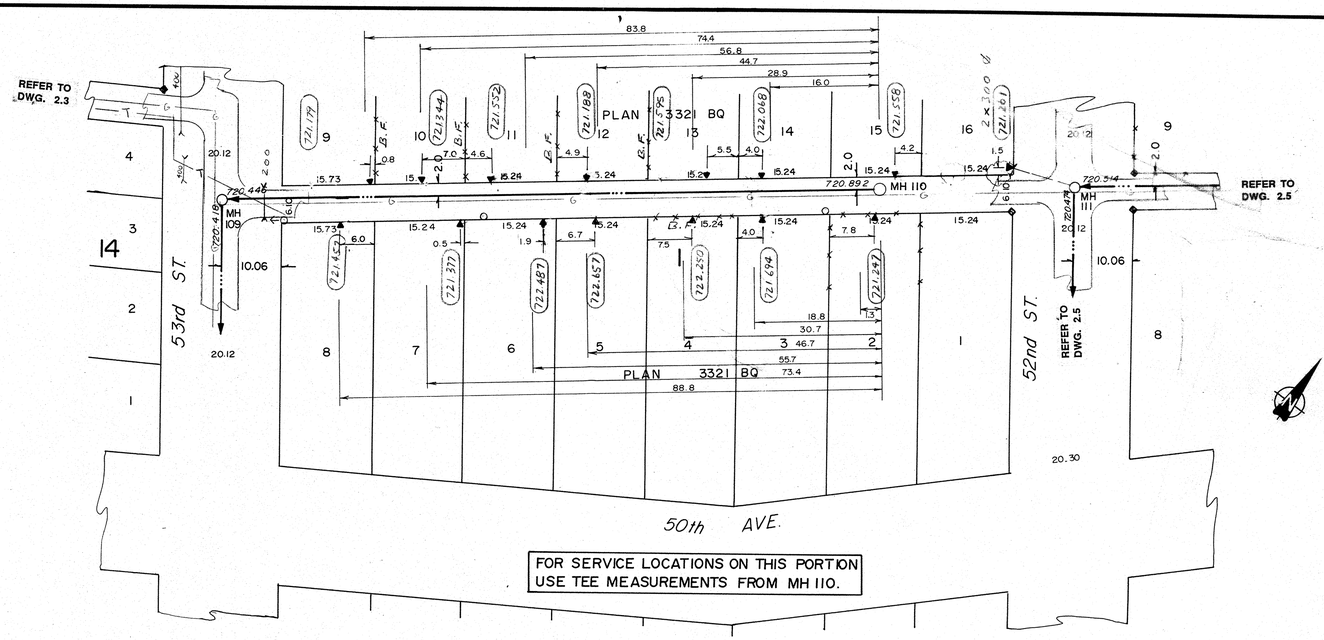
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

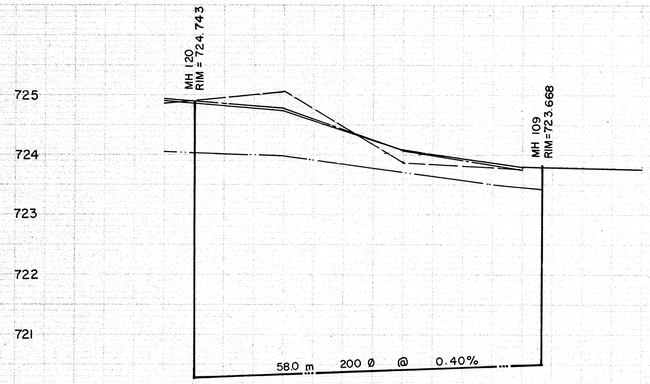
51st AVENUE (LANE)
55th ST. to 53rd ST.

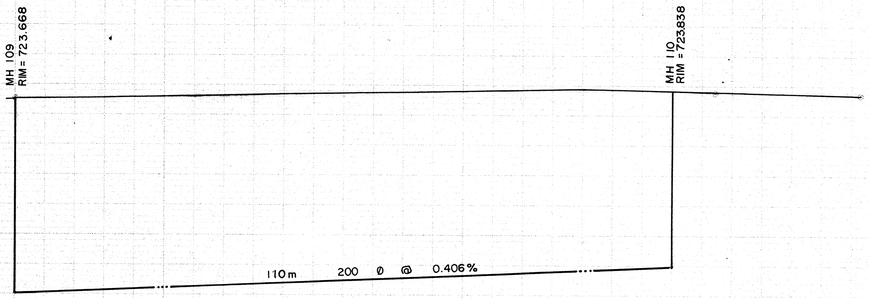
54th STREET
SOUTHERLY to 50th AVENUE

SHEET OF DWG. No. 2.3









NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NASH 90-04-17

No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED		
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN

CHECKED BY

PROJECT No. 60-89-1

DRAWN BY DFF YJC

DATE MAR., 1990

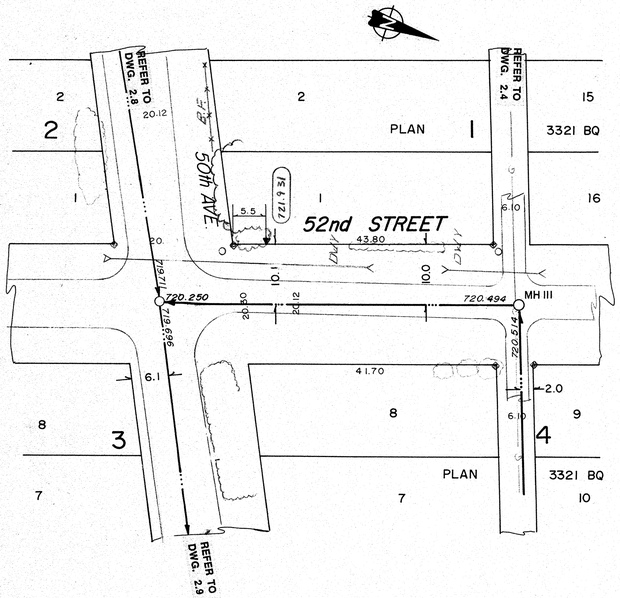
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

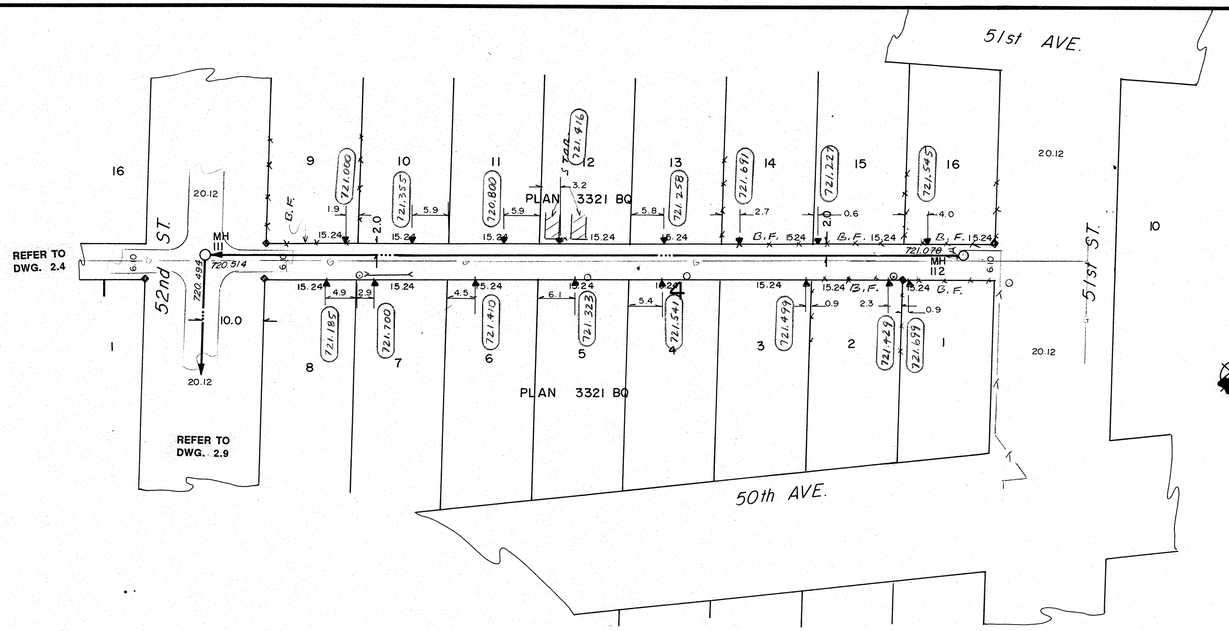
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

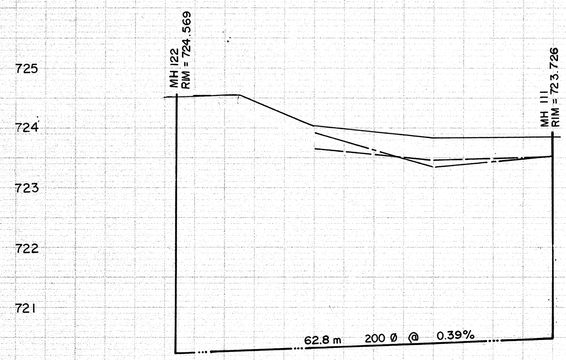
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

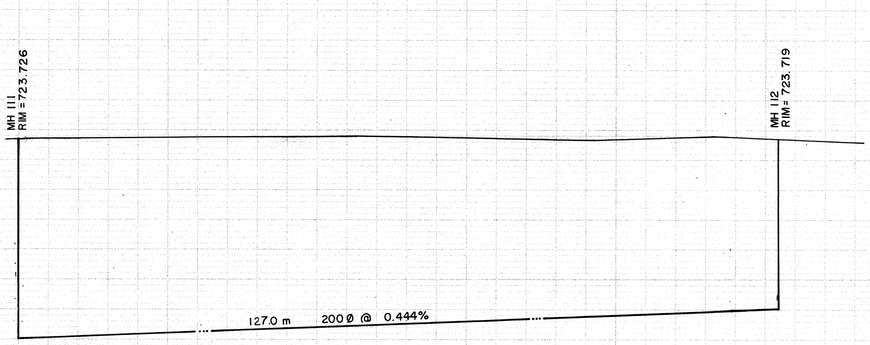
53rd STREET
50th AVE. to 51st AVE. (LANE)

SHEET ..... OF ..... DWG. No. 2.4









SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NASE 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF YJC
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

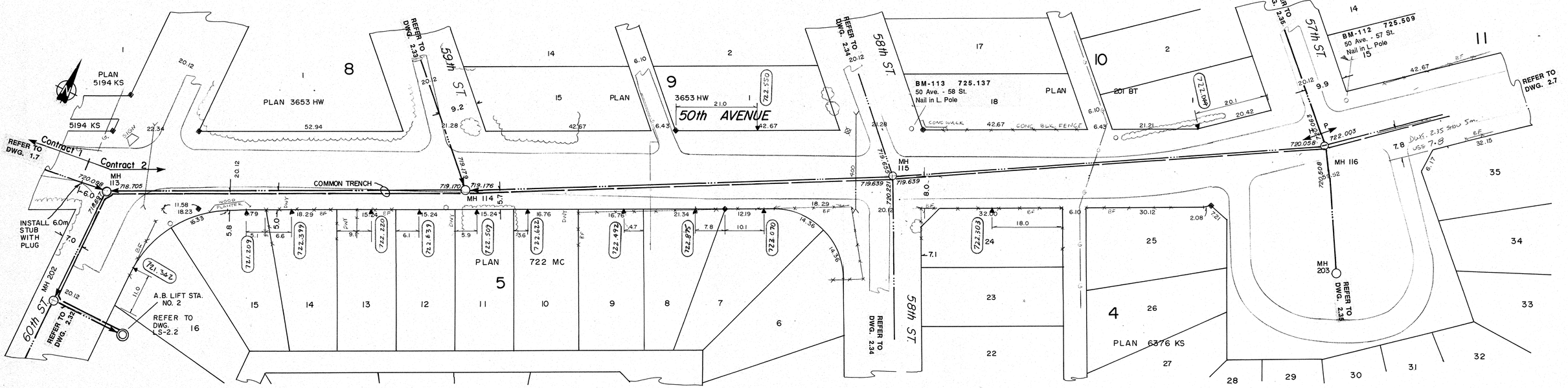
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

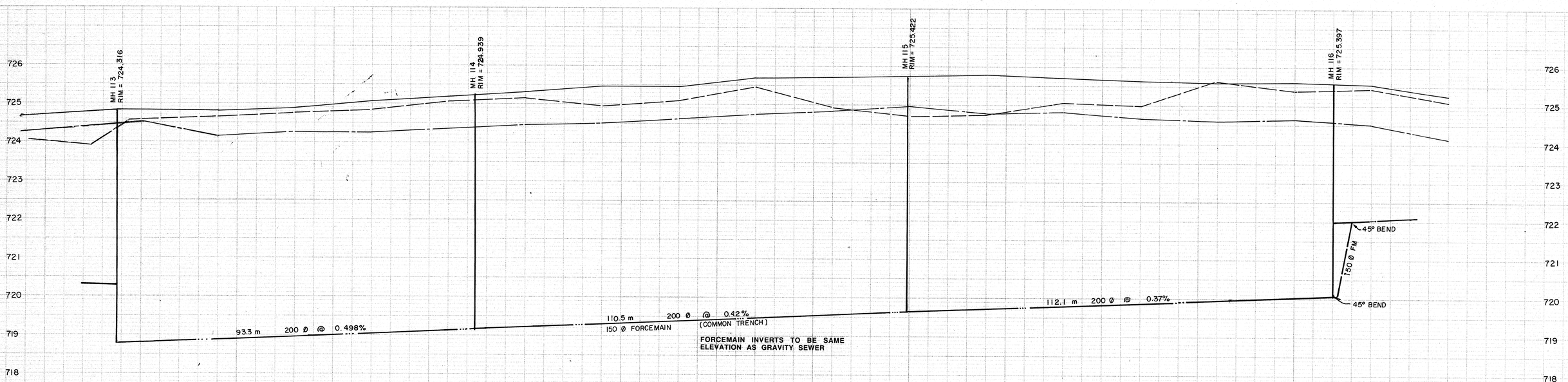
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

52nd STREET
50th AVE. to 51st AVE. (LANE)

51st AVENUE (LANE)
52nd ST. to 51st ST.

SHEET ..... OF ..... DWG. No. 2.5





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (150 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NEUFELD 90-04-17

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

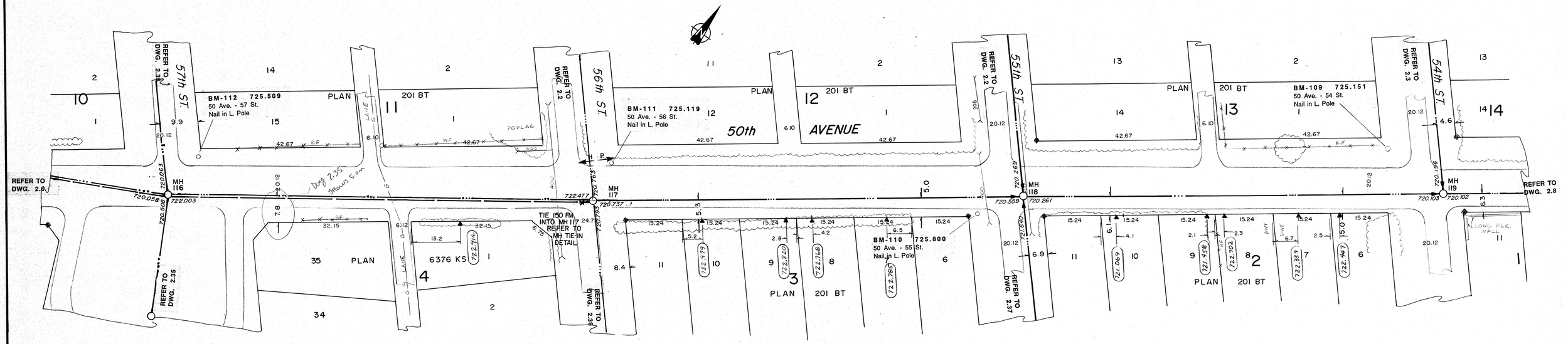
REVISIONS

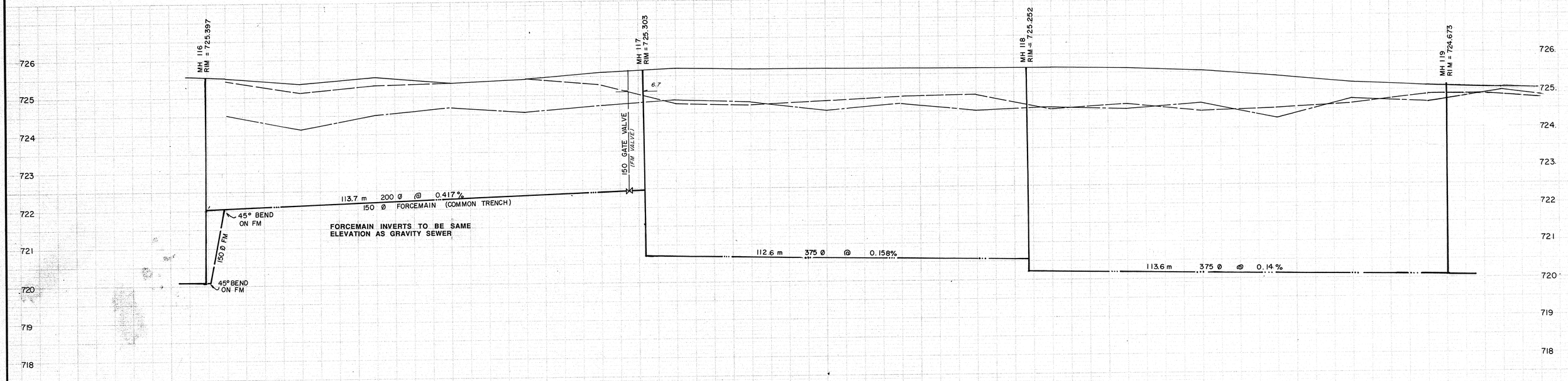
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
50th AVENUE
60th ST. to 57th ST.
SHEET ..... OF ..... DWG. No. 2.6





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NOBE 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF YJC
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

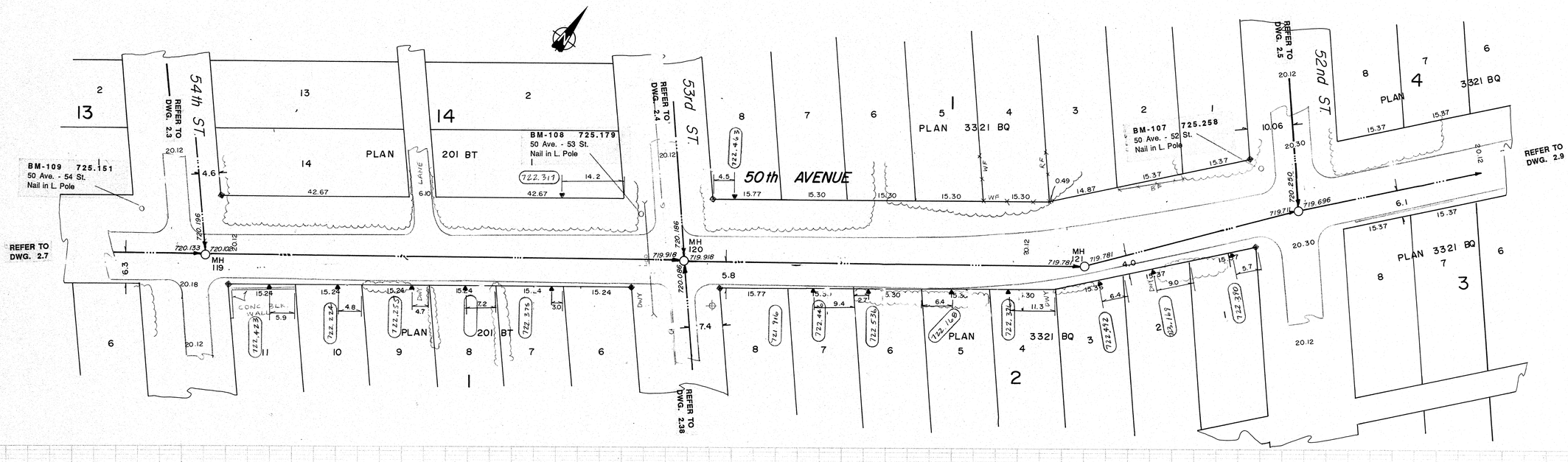
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

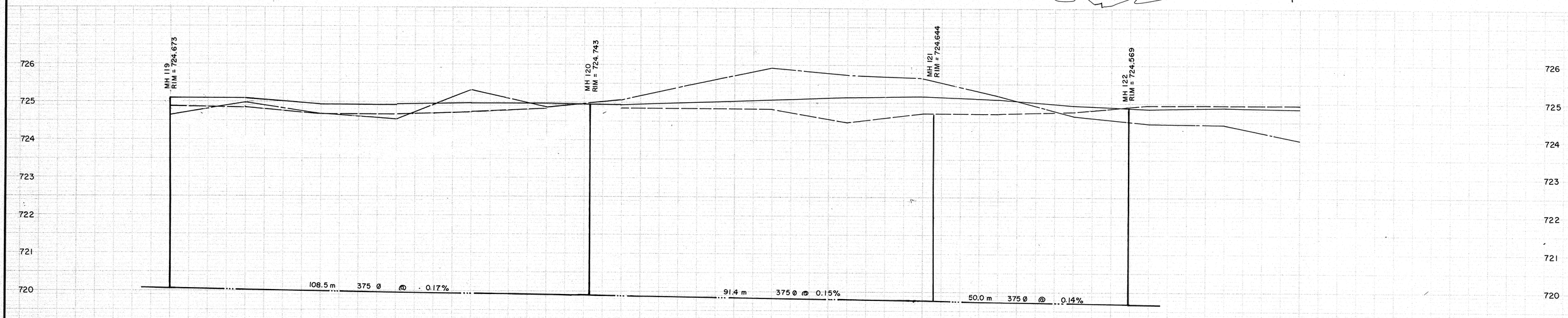
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

50th AVENUE
57th ST. to 54th ST.

SHEET ..... OF ..... DWG. No. 2.7





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 92-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
C.D. NAGY
90404-1

No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED	D.F	P.M
1	11/90	AS BUILT	DF	PM

REVISIONS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF YJC

CHECKED BY

DATE MAR., 1990

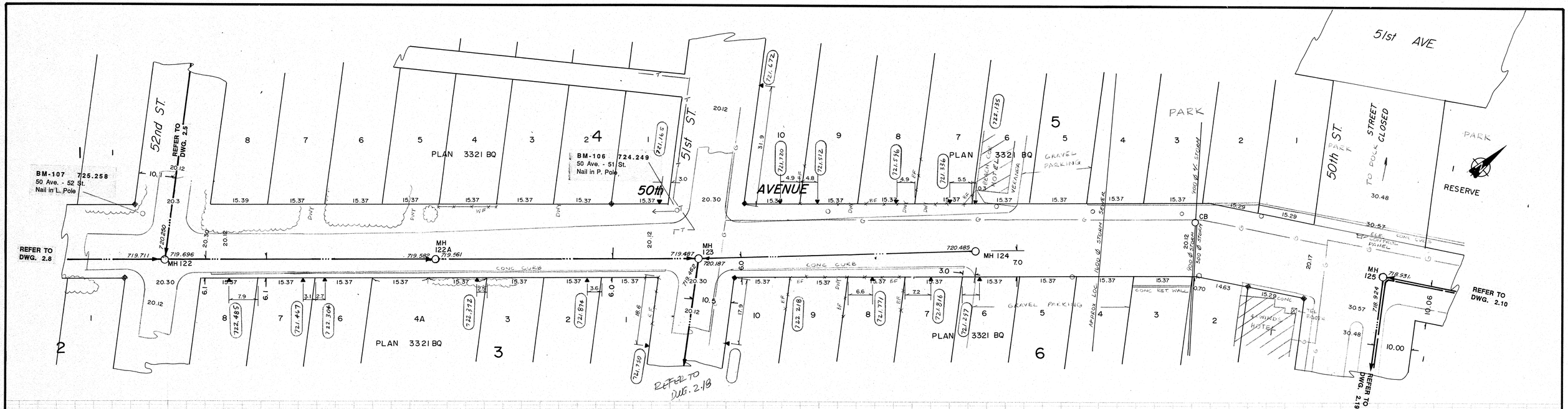
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

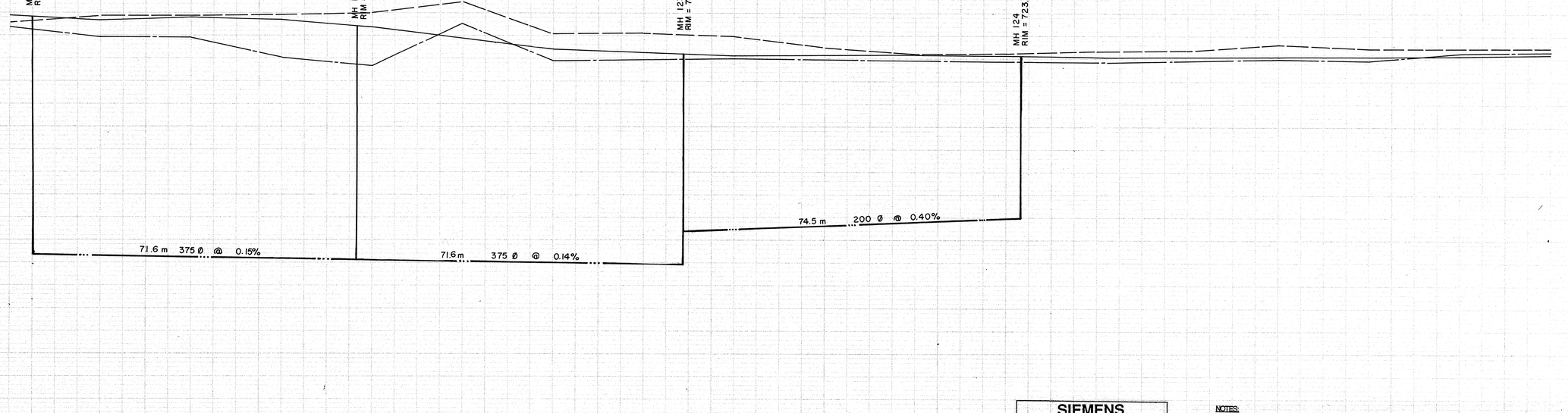
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

50th AVENUE
54th ST. to 52nd ST.

SHEET ..... OF ..... DWG. No. 2.8





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2398
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

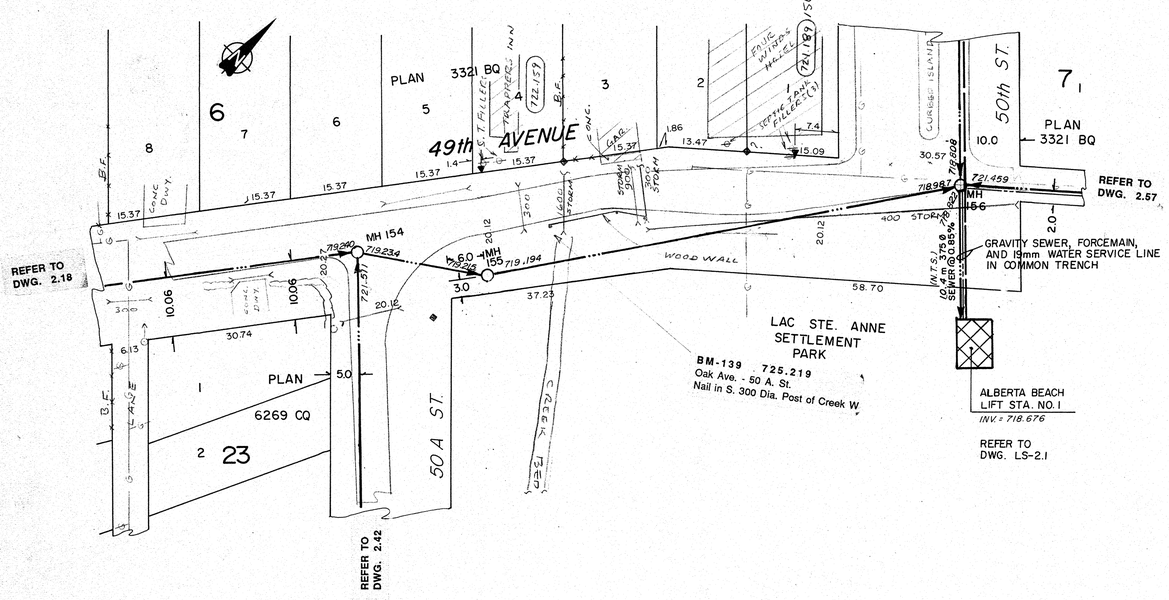
No.	DATE	DESCRIPTION	BY	APP
3	05/92	AS BUILT REVISED	DF	PM
2	11/90	AS BUILT	DF	PM
1	1990 05 23	ADDITIONAL MANHOLE	DF	EN

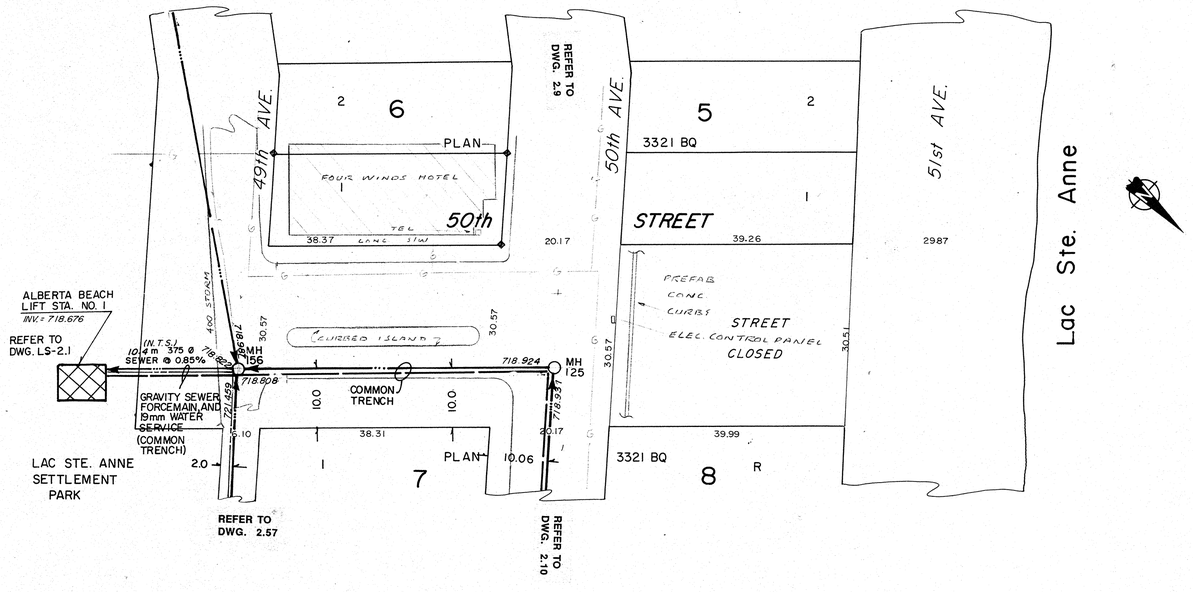
REVISIONS

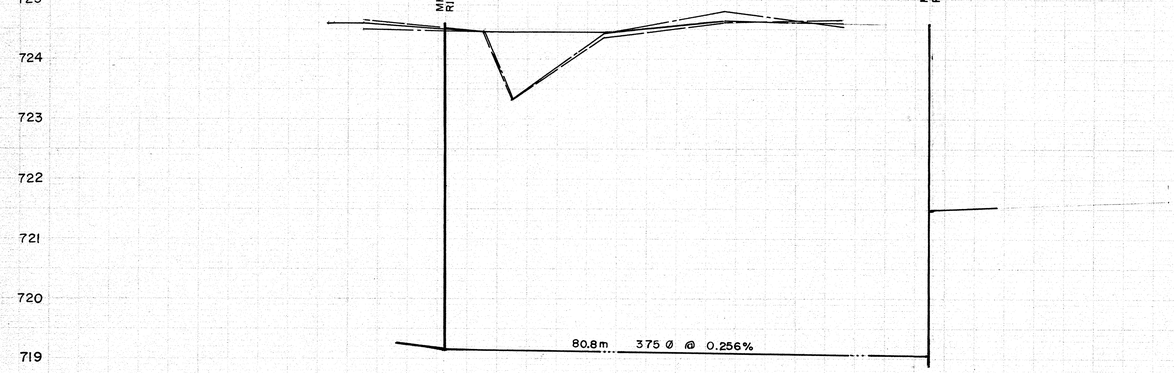
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

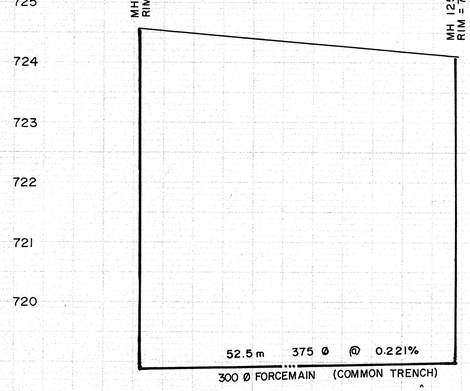
TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
50th AVENUE
52nd ST. to 50th ST.
SHEET ..... OF ..... DWG. No. 2.9







FORCEMAIN INVERTS TO BE SAME ELEVATION AS GRAVITY SEWER



FORCEMAIN INVERTS TO BE SAME ELEVATION AS GRAVITY SEWER

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91.04.08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-19
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NEE 1960 A-1

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

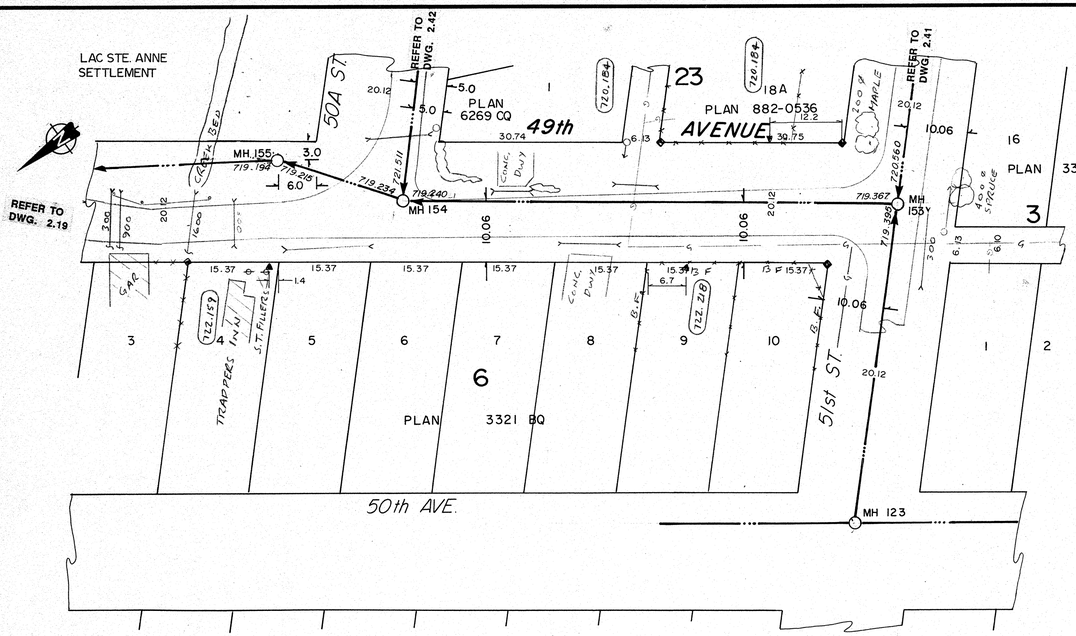
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

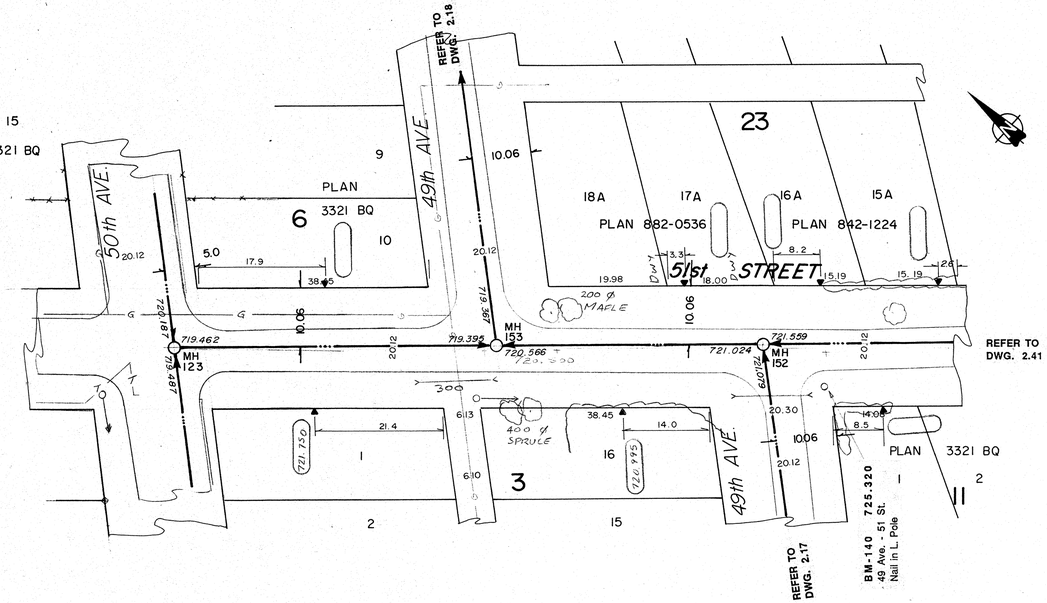
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

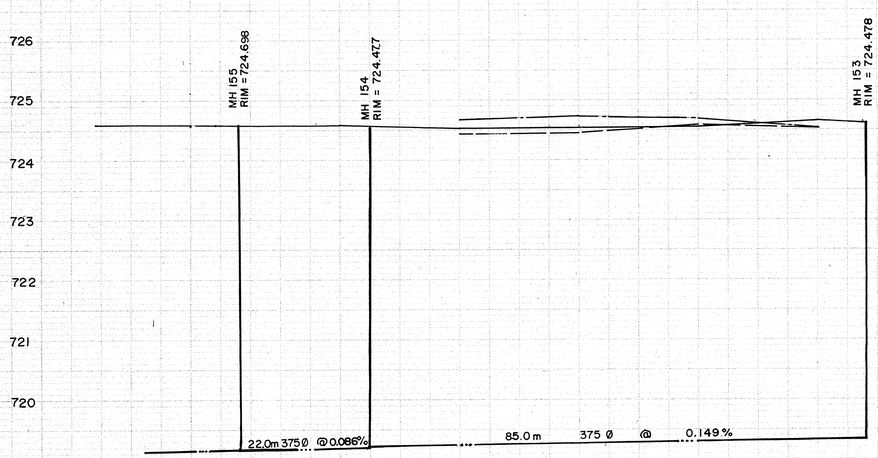
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

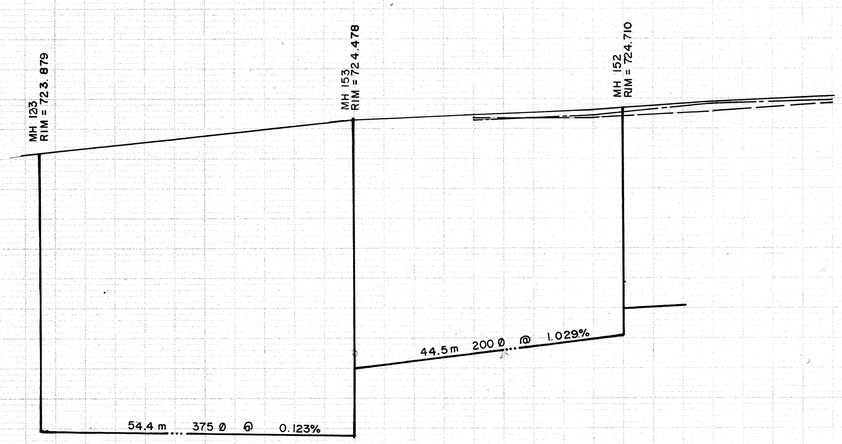
TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
49th AVENUE
50A ST. to 50th ST.
50th STREET
49th AVE. to 50th AVE.

SHEET ..... OF ..... DWG. No. 2.19









726 725 724 723 722 721 720

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-02
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta.

PROFESSIONAL ENGINEER ALBERTA E. D. NASH 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF YJC
DATE MAR., 1990

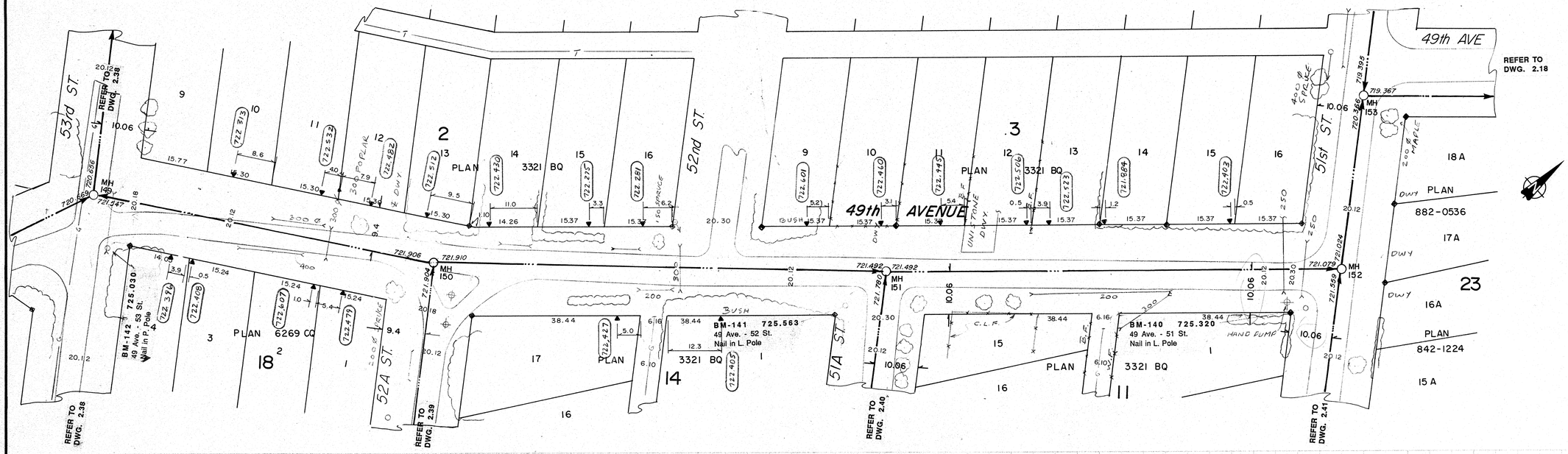
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

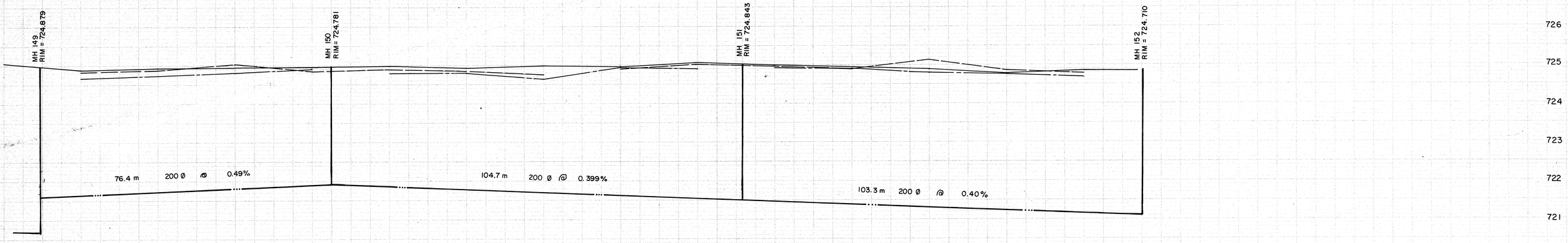
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM

49th AVENUE
50A ST. to 51st ST.
51st STREET
50th AVE. to 49th AVE.

SHEET ..... OF ..... DWG. No. 2.18





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-09-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
E. D. NASH
90-09-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
SCALE VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF YJC
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

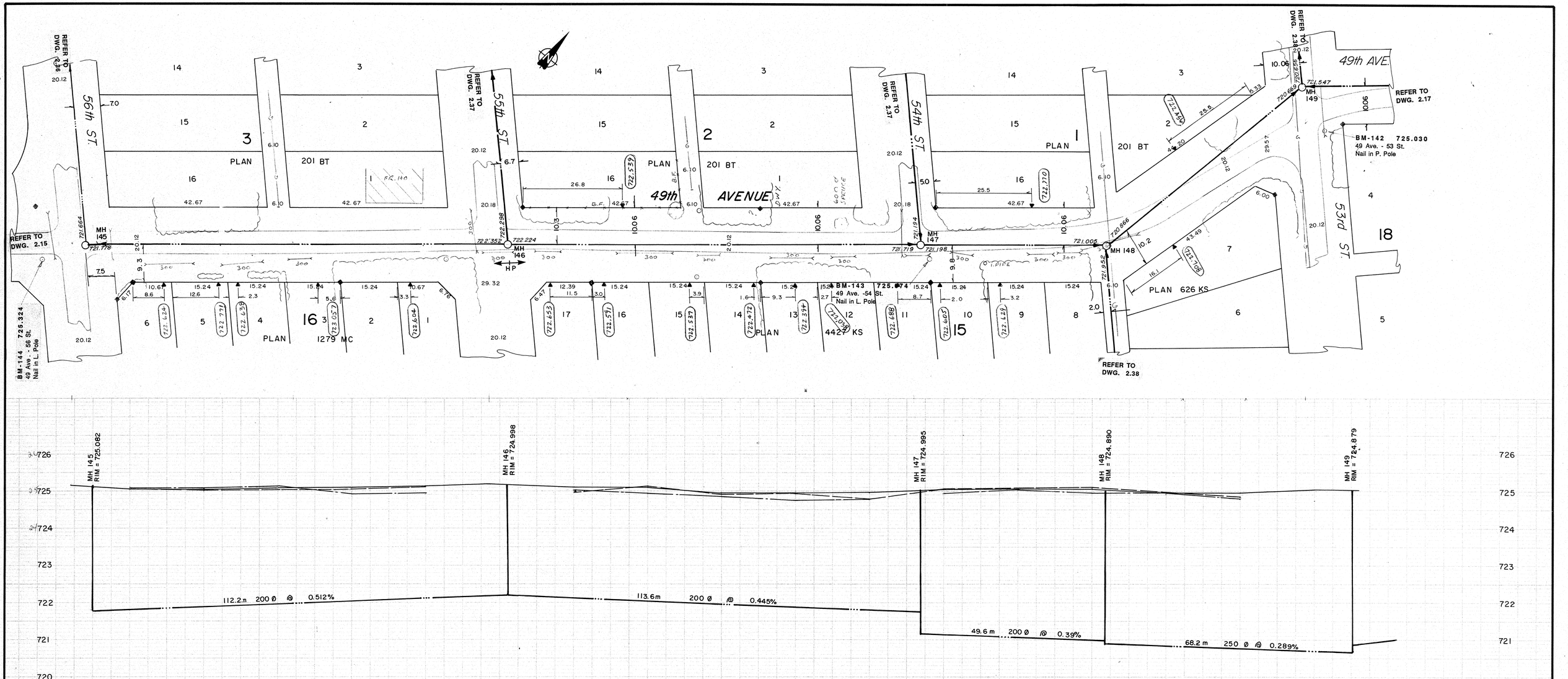
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

49th AVENUE
53rd ST. to 51st ST.

SHEET ..... OF .....
DWG. No. 2.17



LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-09-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NASH 90049-E

No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED	DF	PM
1	11/90	AS BUILT	DF	PM

REVISIONS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF YJC

CHECKED BY

DATE MAR., 1990

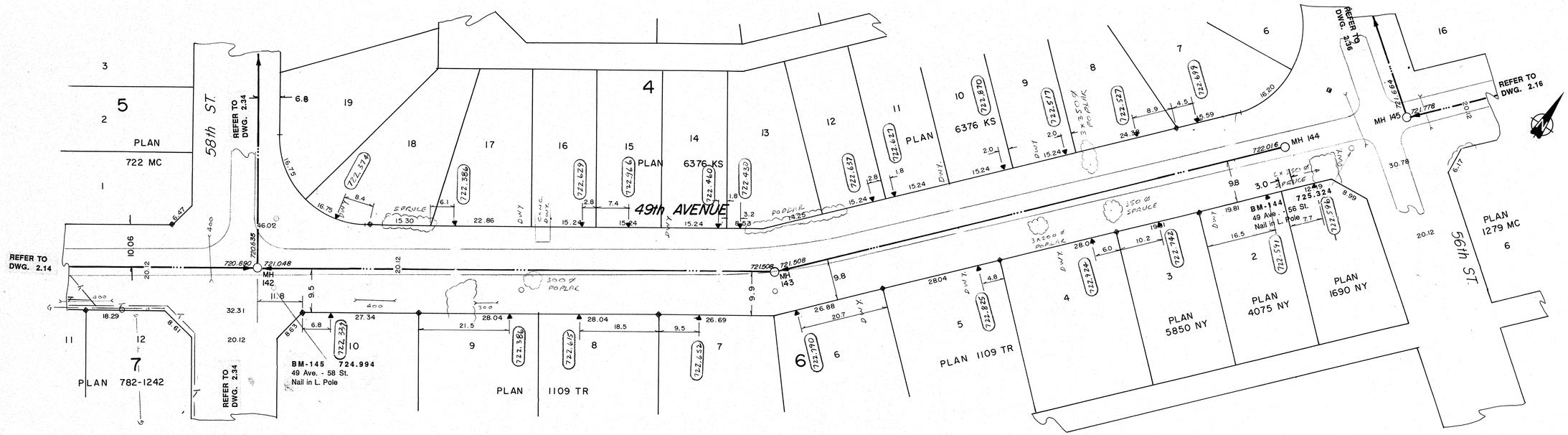
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

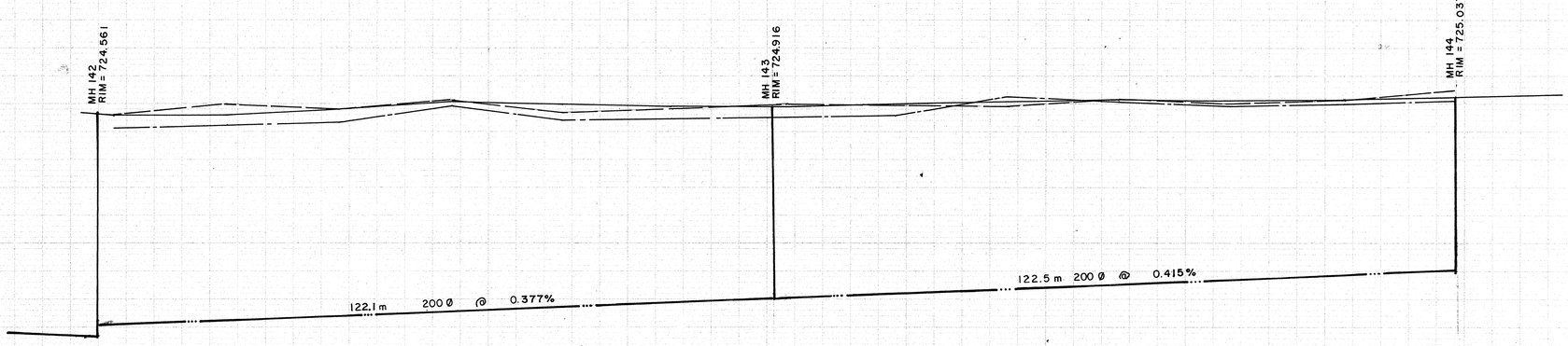
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

49th AVENUE
56th ST. to 52nd STREET

SHEET ..... OF ..... DWG. No. 2.16





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90.04.12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NASE 90.04.12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF YJC

CHECKED BY

DATE MAR., 1990

SIEMENS

SIEMENS ENGINEERING SERVICES LTD.

CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

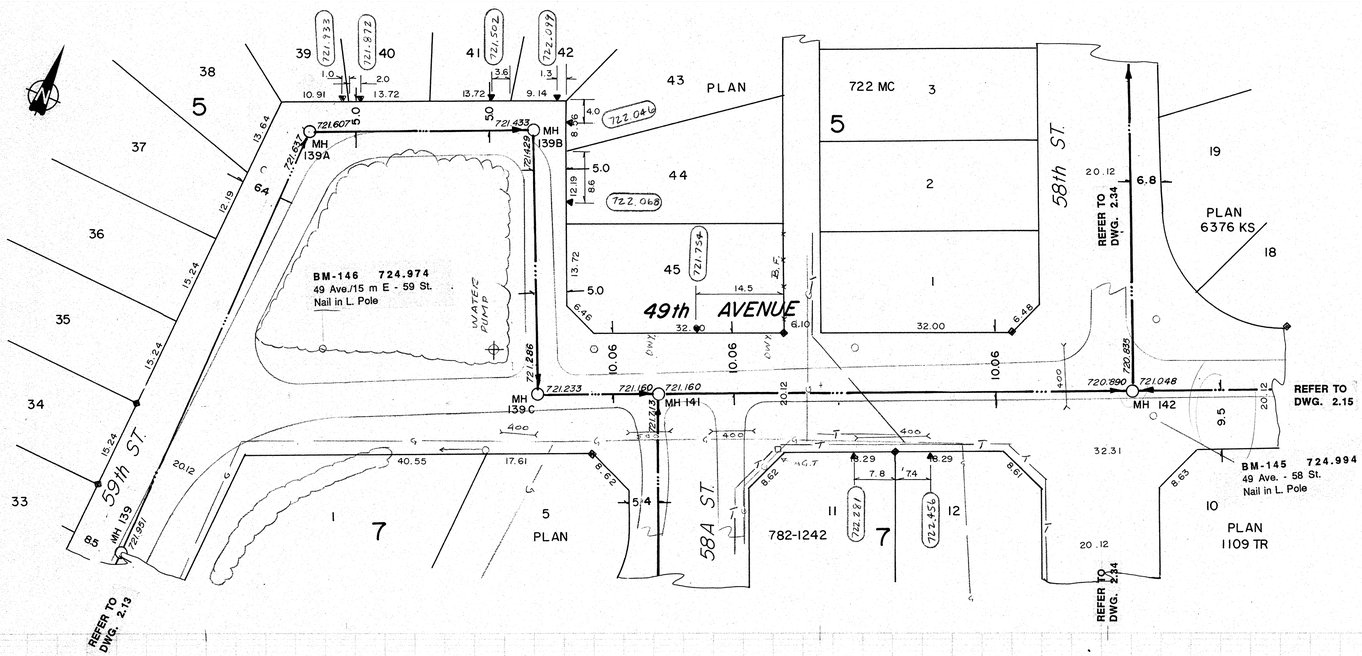
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

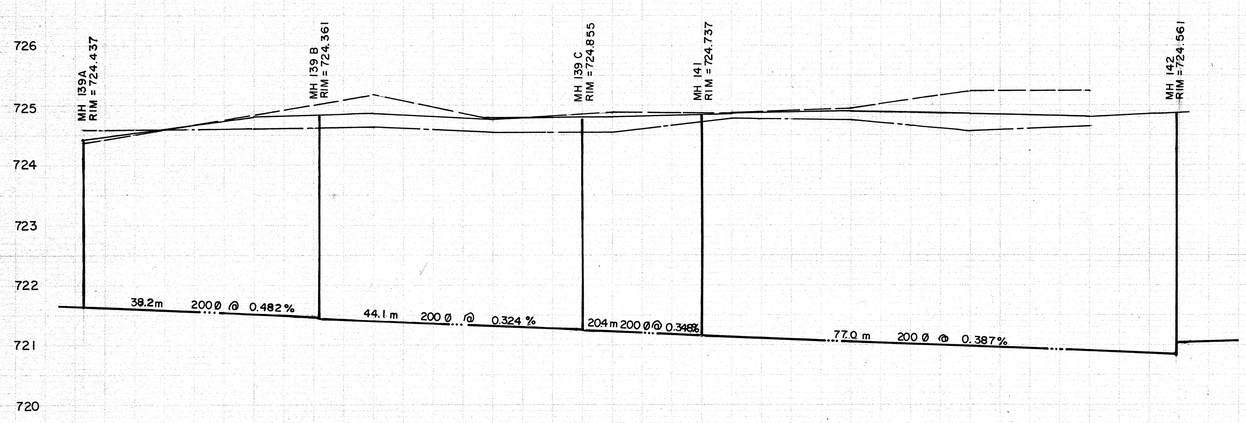
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

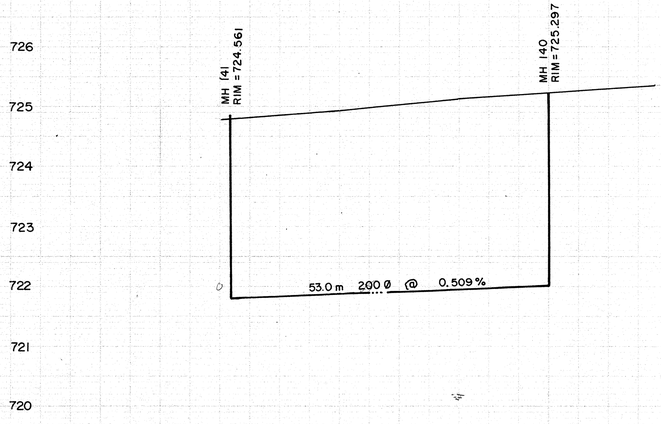
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

49th AVENUE
58th ST. to 56th ST.

SHEET ..... OF ..... DWG. No. 2.15







SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 92-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER D. NAGY ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

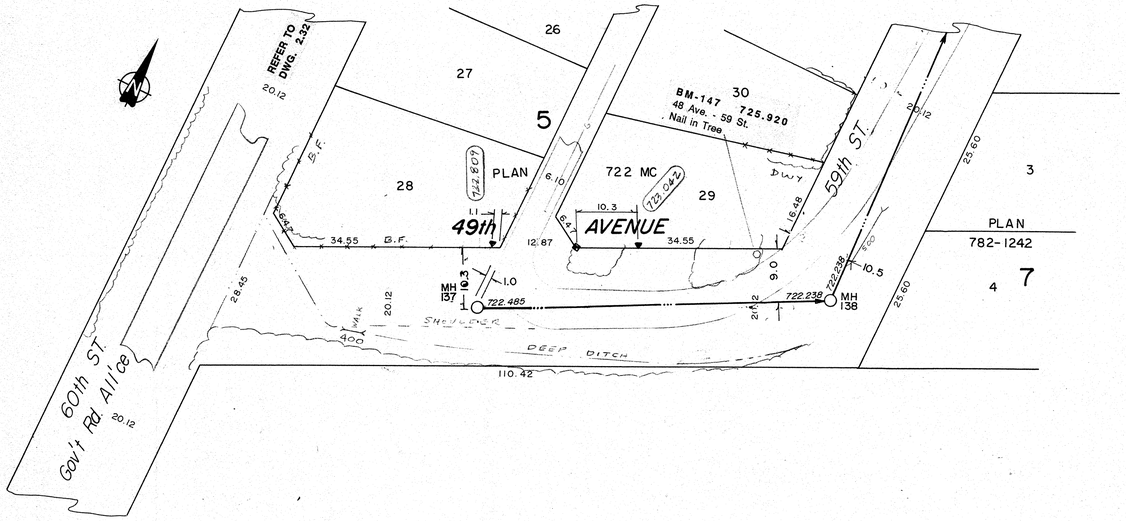
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

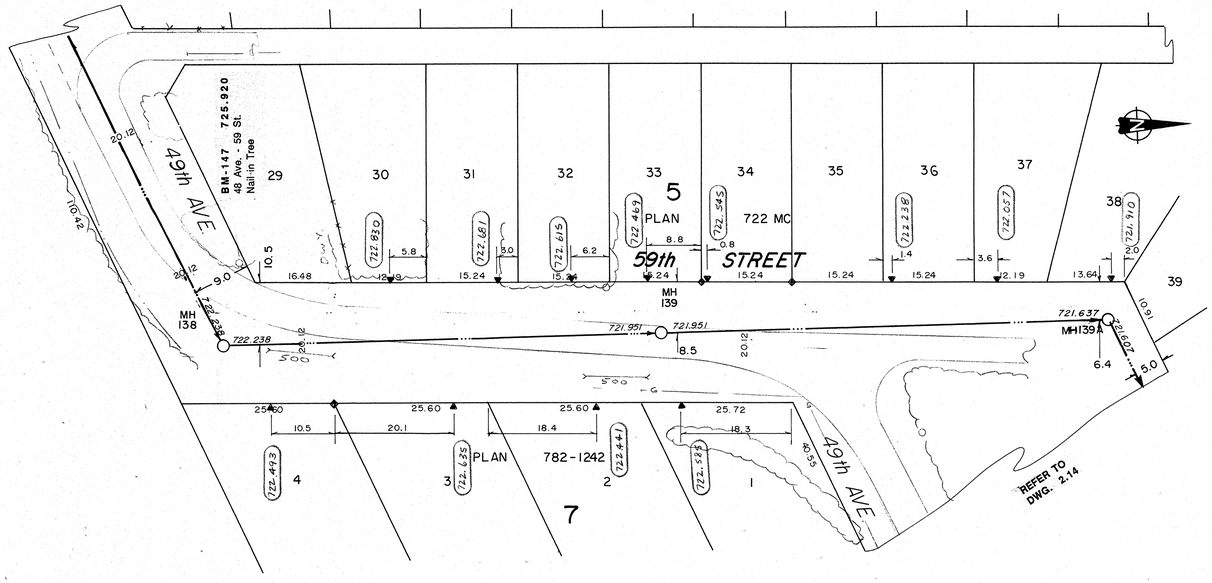
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

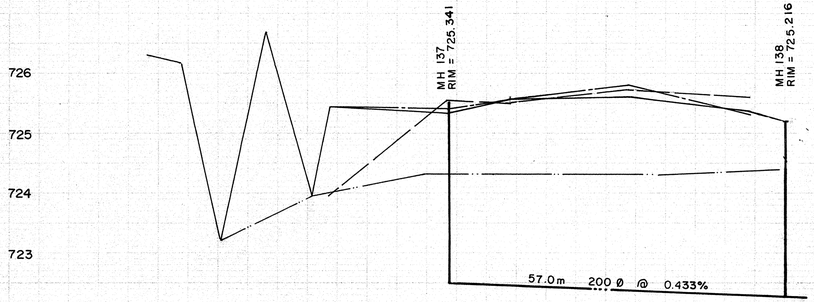
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

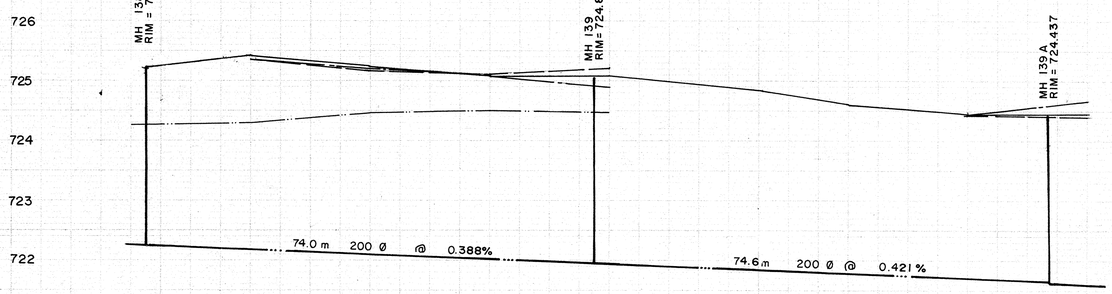
TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
49th AVENUE
50th ST. to 58th ST.
58A STREET CUL-DE-SAC

SHEET ..... OF ..... DWG. No. 2.14









SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CONC. CULVERT W/DIA.
- CSP CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
E. D. NABE
90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF. YJC

CHECKED BY

DATE MAR., 1990

SIEMENS

SIEMENS ENGINEERING SERVICES LTD.

CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

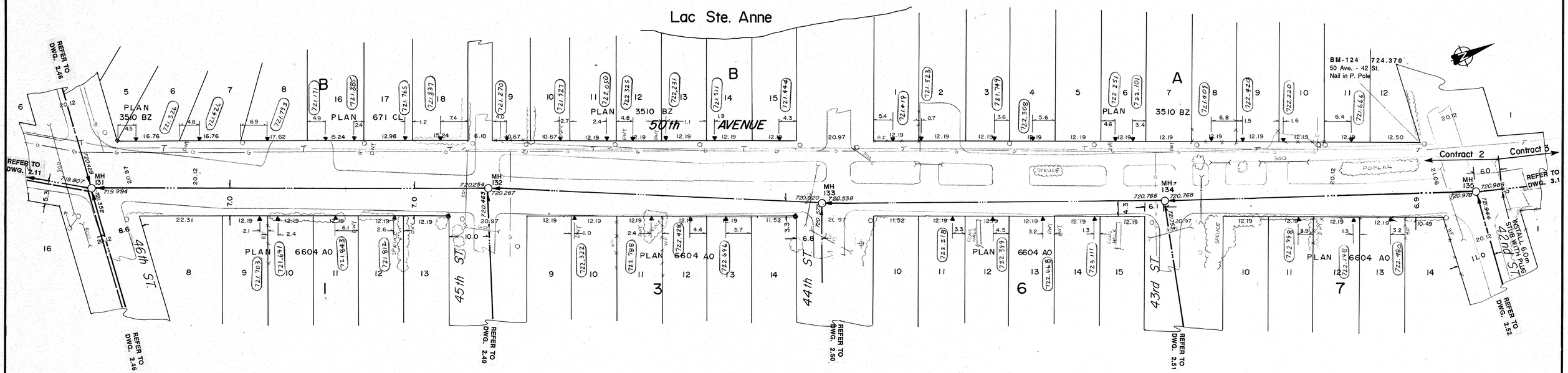
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

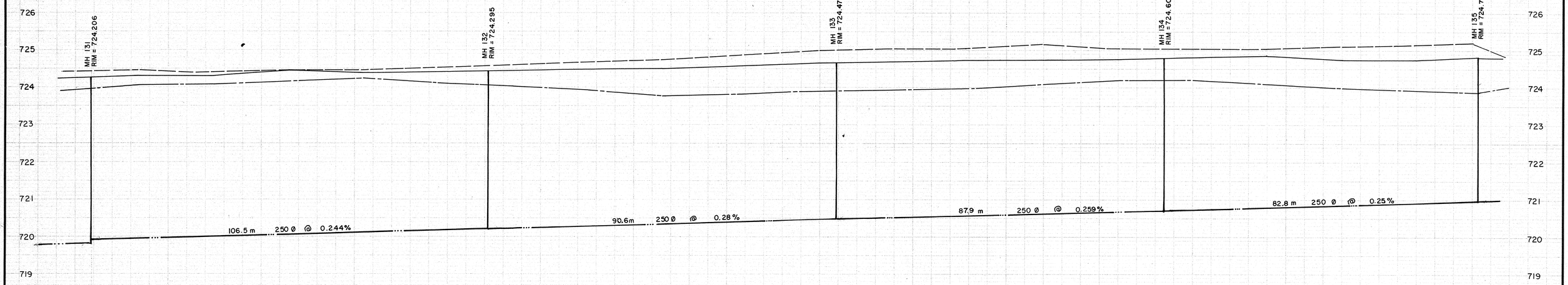
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

49th AVENUE
60th ST. to 59th ST.

59th STREET
49th AVE. to 49th AVE.

SHEET ..... OF ..... DWG. No. 2.13





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SCALE HORIZ.	10m 5 0 5
VERT.	1.0m 0.5 0 0.5
PROJECT No.	60-89-1
DESIGNED BY	EDN
DRAWN BY	DFF YJC
CHECKED BY	
DATE	MAR., 1990

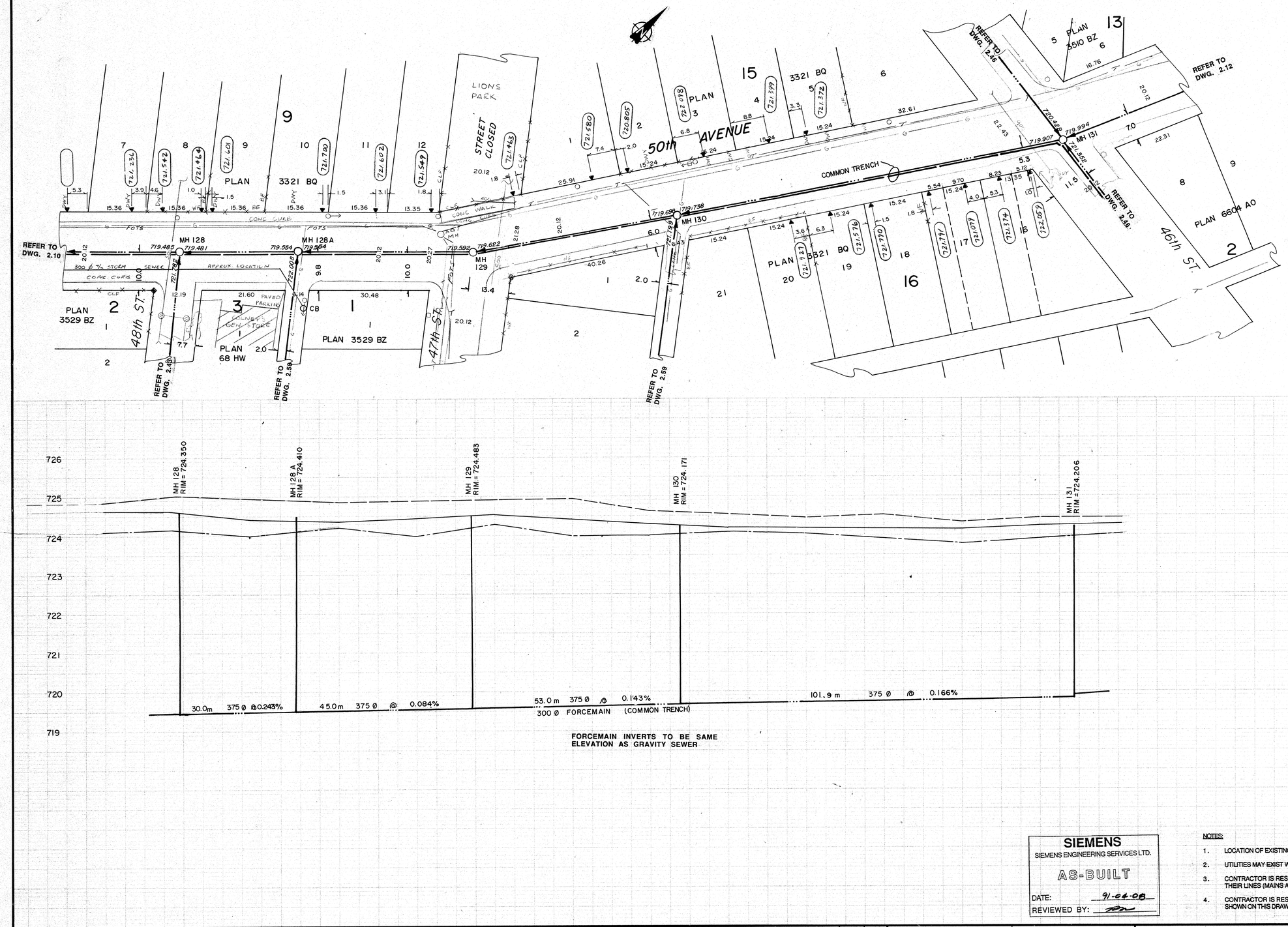
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

50th AVENUE
46th ST. to 42nd ST.

SHEET ..... OF .....
DWG. No. 2.12



FORCEMAIN INVERTS TO BE SAME ELEVATION AS GRAVITY SEWER

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NASH 90 04 A-1

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

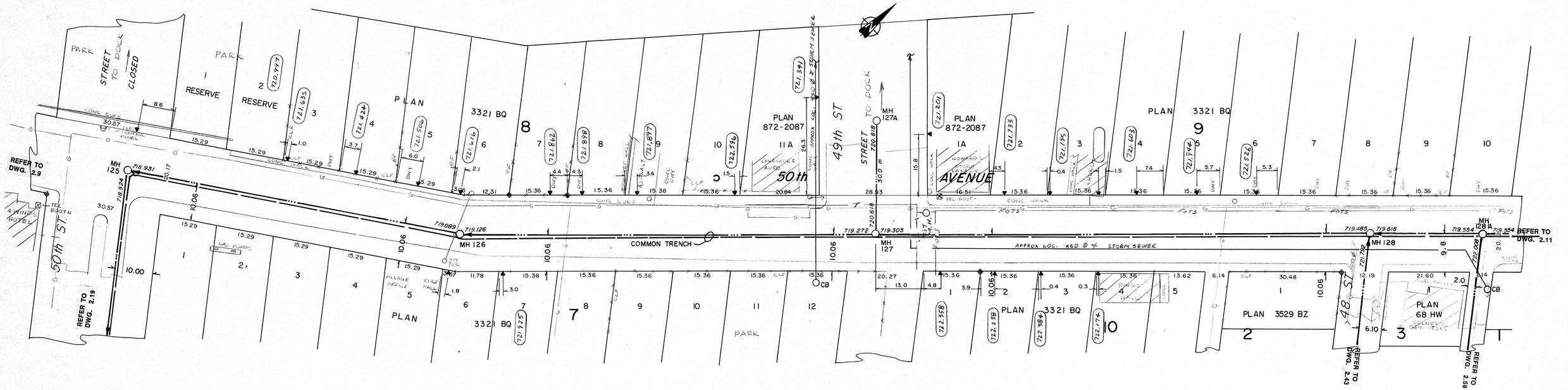
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990

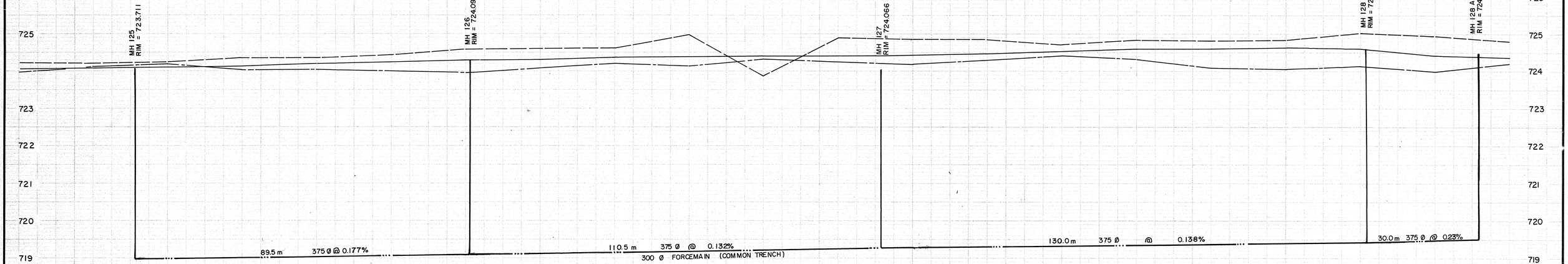
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
50th AVENUE
LANE EAST OF 48th ST. to 46th ST.

SHEET ..... OF ..... DWG. No. 2.11





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER E. D. NASE 90-04-12 ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF / YJC
CHECKED BY
DATE MAR., 1990

PROJECT No. 60-89-1

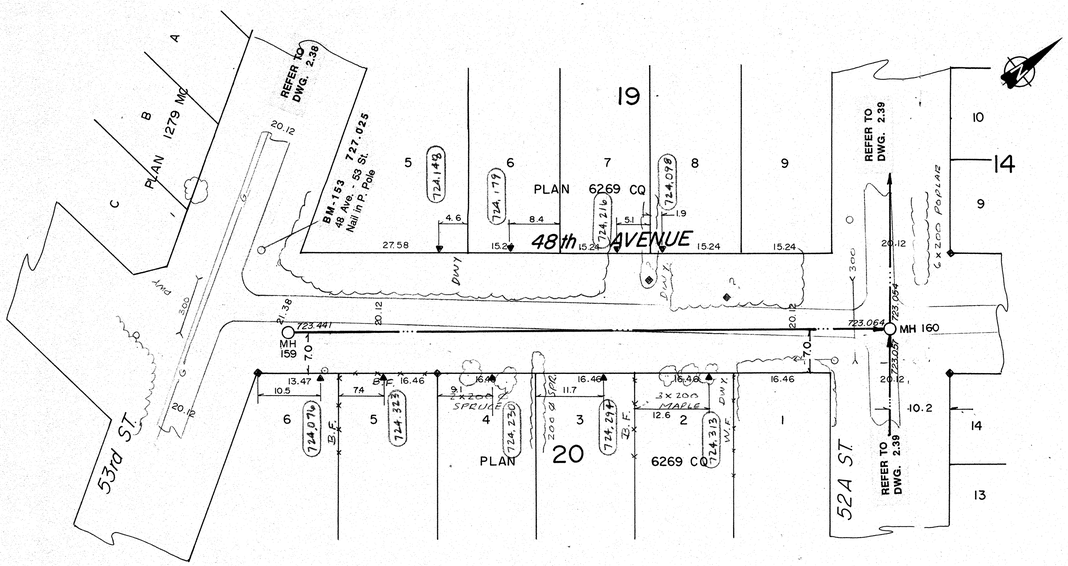
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

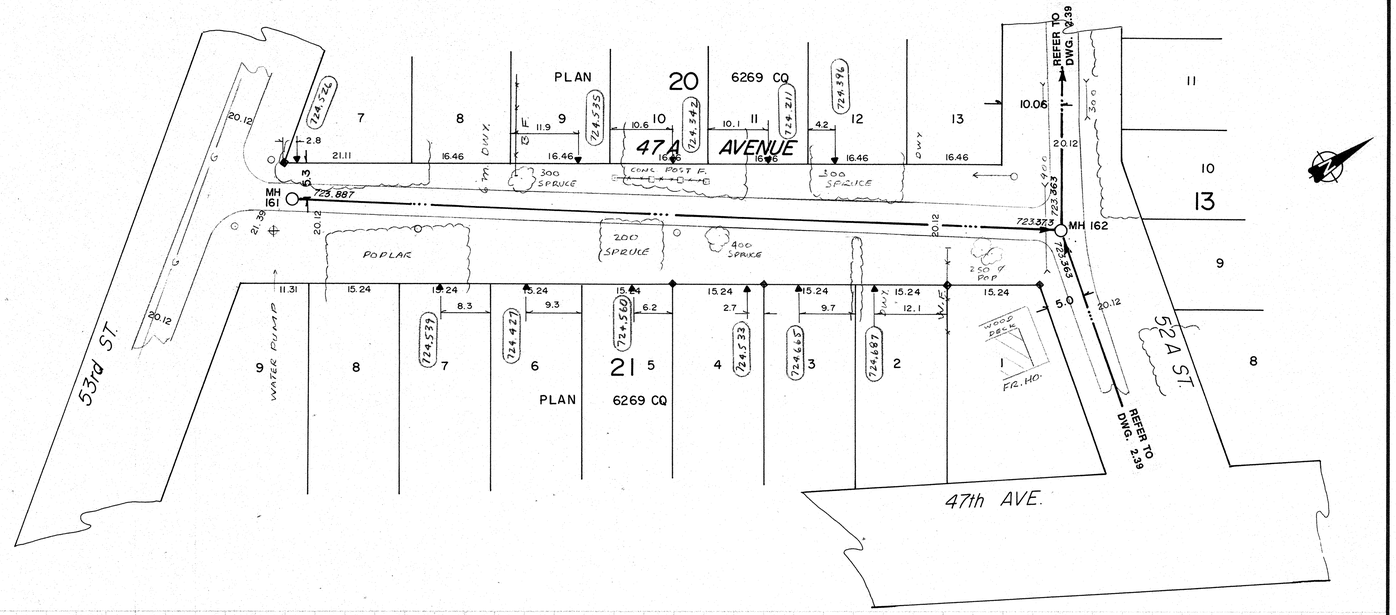
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

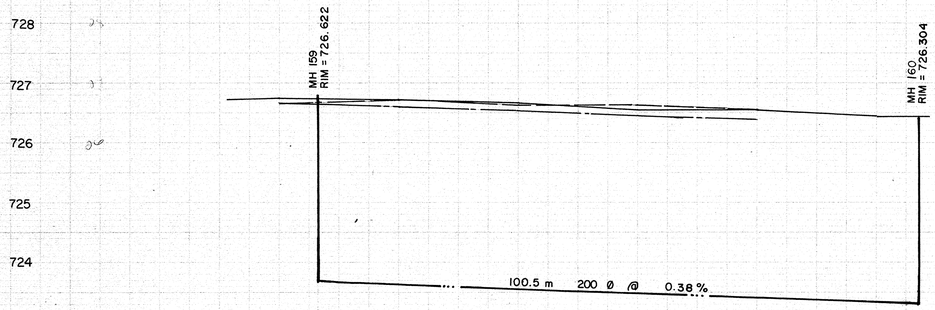
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

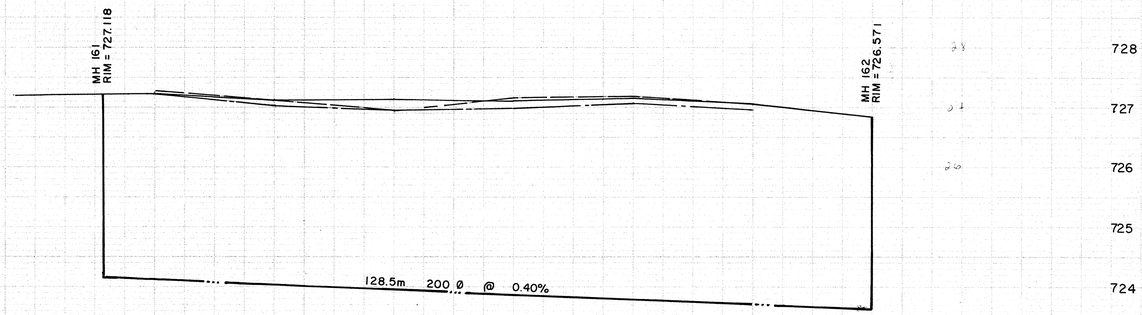
50th AVENUE
50th ST. to LANE EAST of 48th ST.

SHEET ..... OF ..... DWG. No. 2.10









LEGEND

- 729.50 MH — GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- 200 CSP — CSP CULVERT W/DIA.
- 300 CONC — CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CB — CATCH BASIN
- P — POWER LINE
- SERVICE CONNECTION
- G — GAS LINE
- T — TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTC.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
NAPEG
90-04-17

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN

DRAWN BY DFF YJC

CHECKED BY

DATE MAR., 1990

PROJECT No. 60-89-1

SIEMENS

SIEMENS ENGINEERING SERVICES LTD.

CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

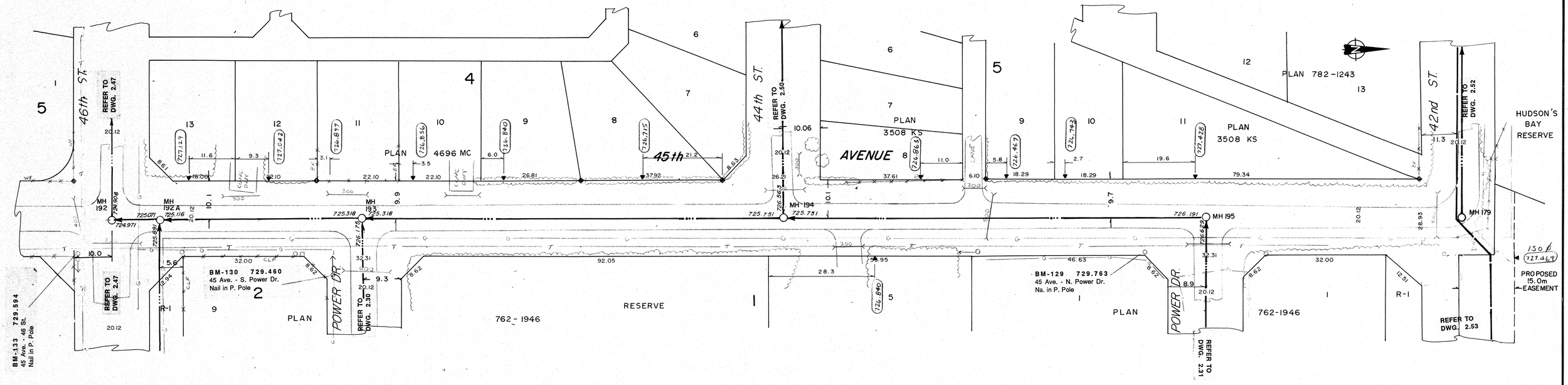
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

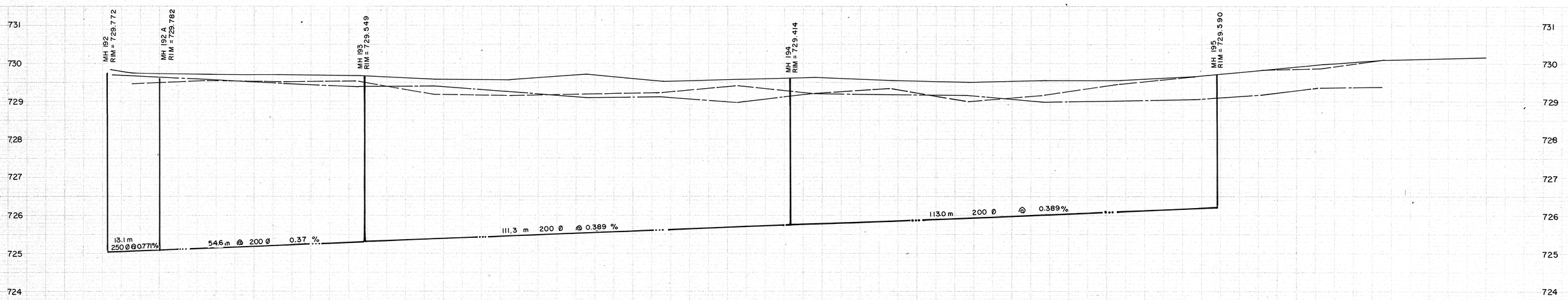
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

48th AVENUE
53rd ST. to 52A ST.

47A AVENUE
53rd ST. to 52A ST.

SHEET ..... OF ..... DWG. No. 2.20





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- SERVICE CONNECTION
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 91-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA D. WARE 10204 12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN

CHECKED BY

PROJECT No. 60-89-1

DRAWN BY DFF YJC

DATE MAR., 1990

SIEMENS

SIEMENS ENGINEERING SERVICES LTD.

CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

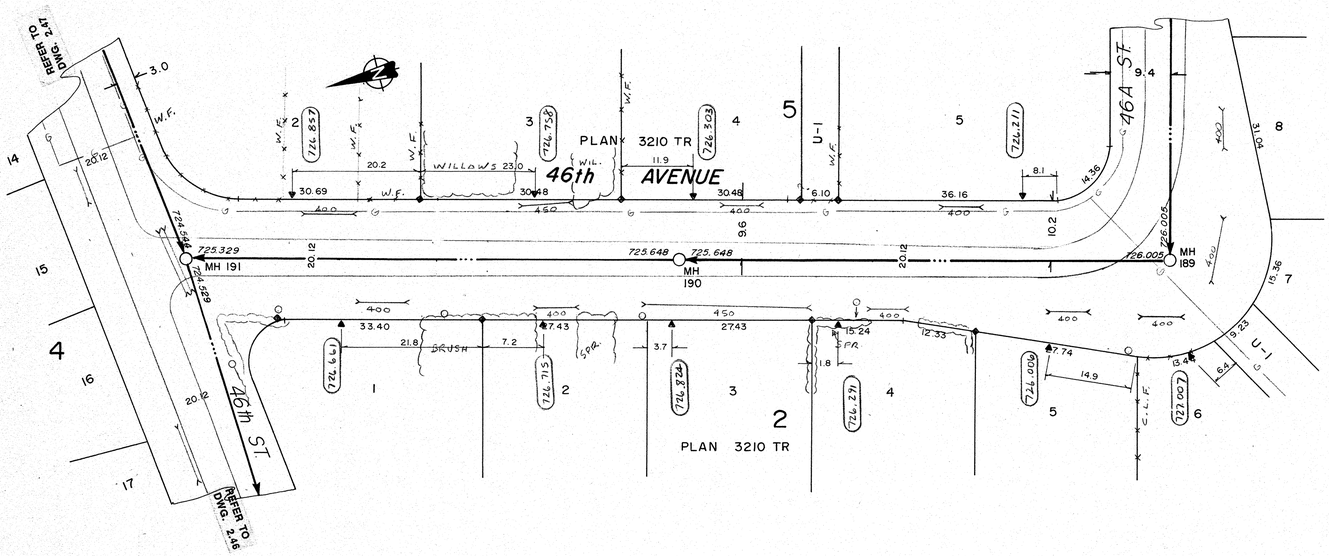
45th AVENUE
46th ST. to 42nd ST.

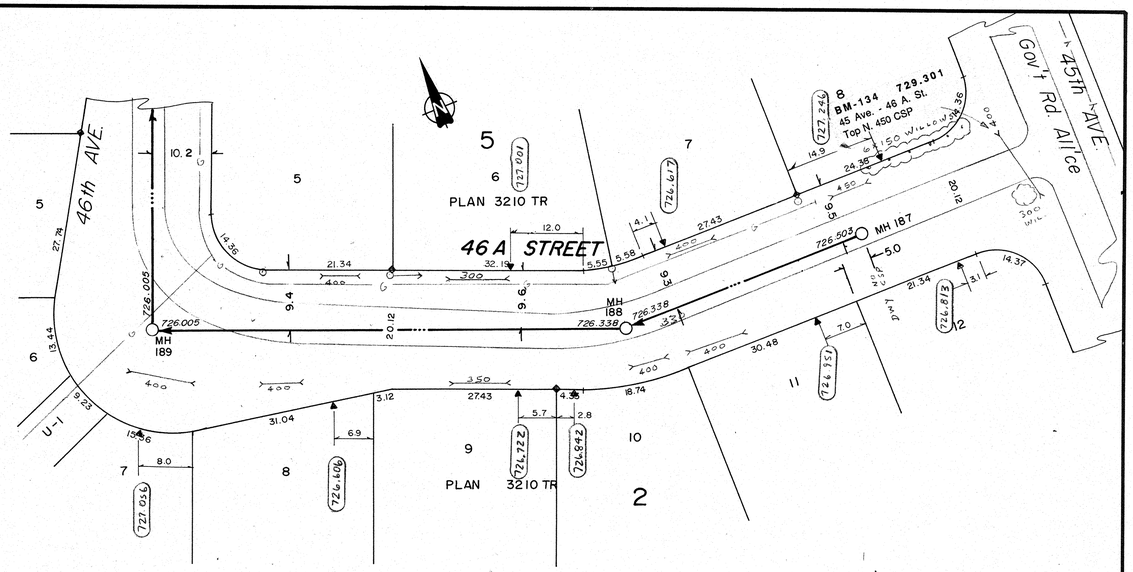
SHEET ..... OF ..... DWG. No. 2.29

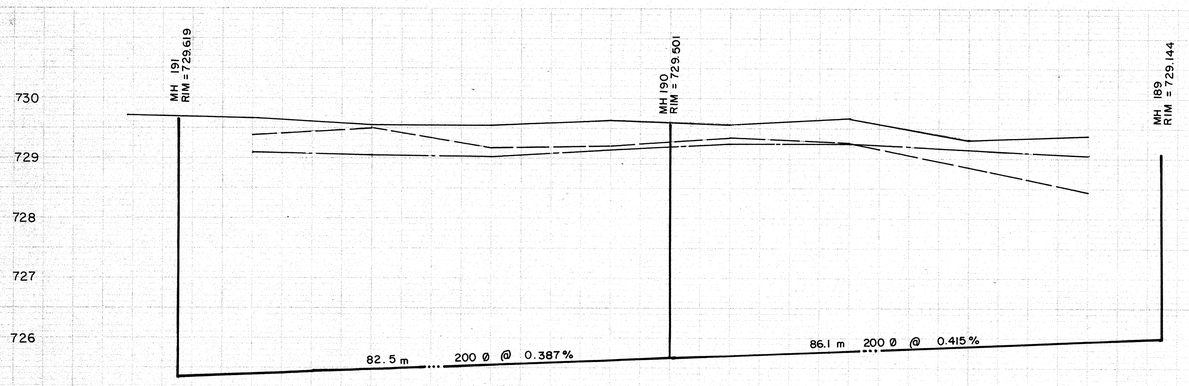
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

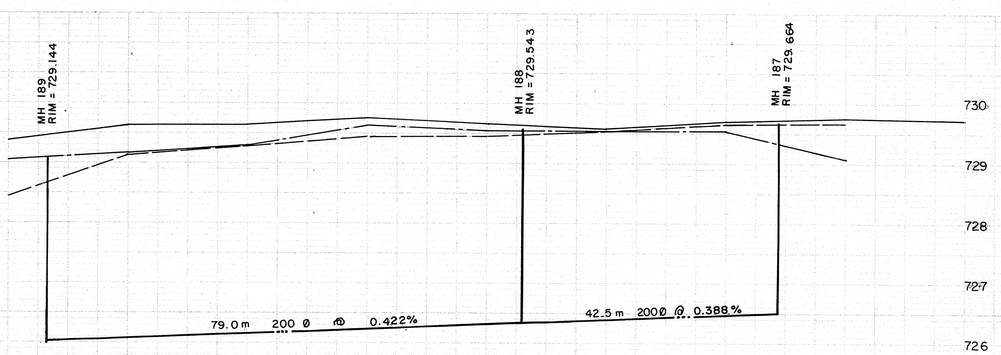
NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.









LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-13
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

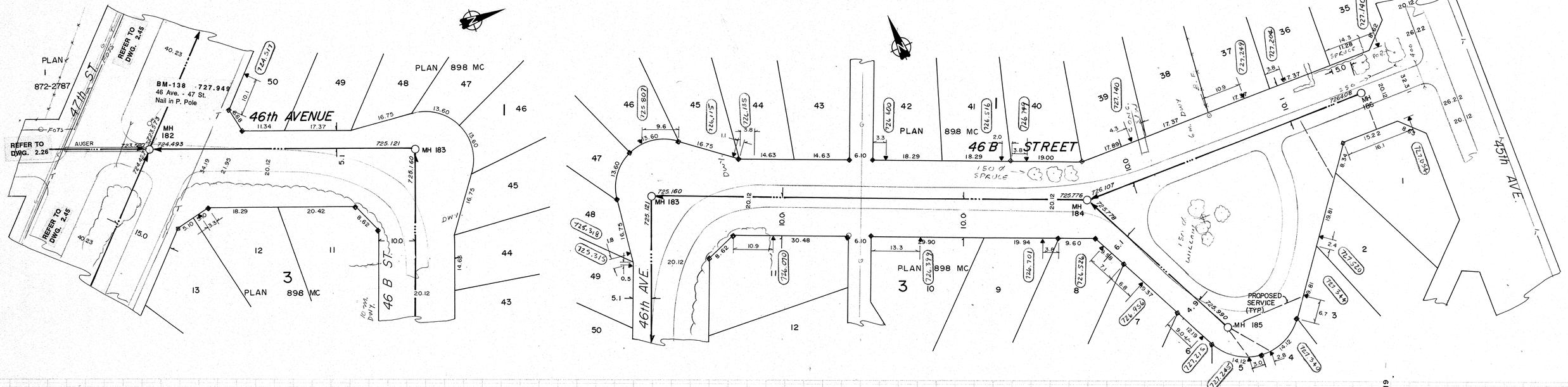
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

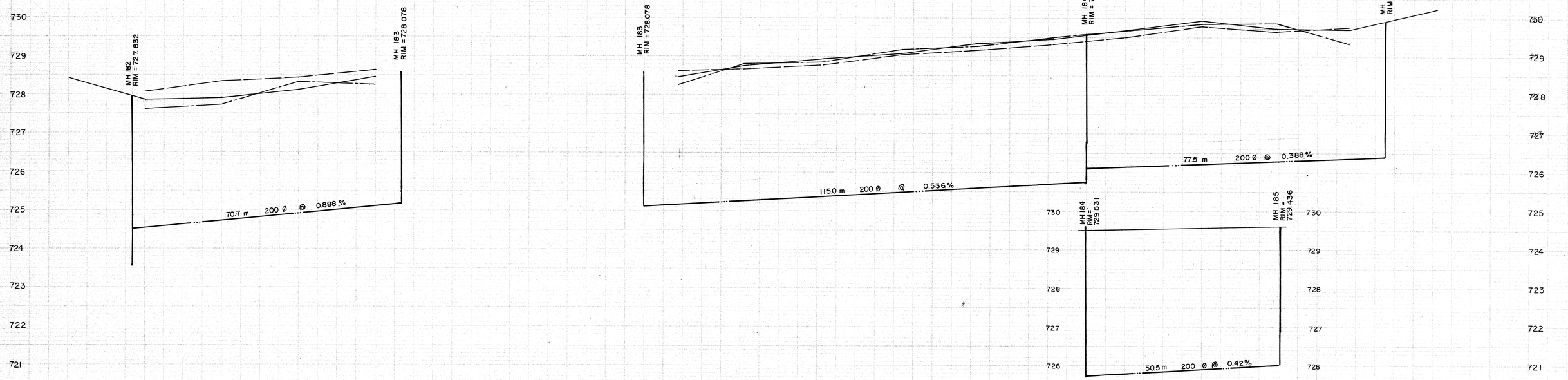
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM

46th AVENUE/46A STREET
46th ST. to 46A ST./46 AVE. to 45 AVE.

SHEET ..... OF ..... DWG. No. 2.28





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- SERVICE CONNECTION
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NASE 90-04-12

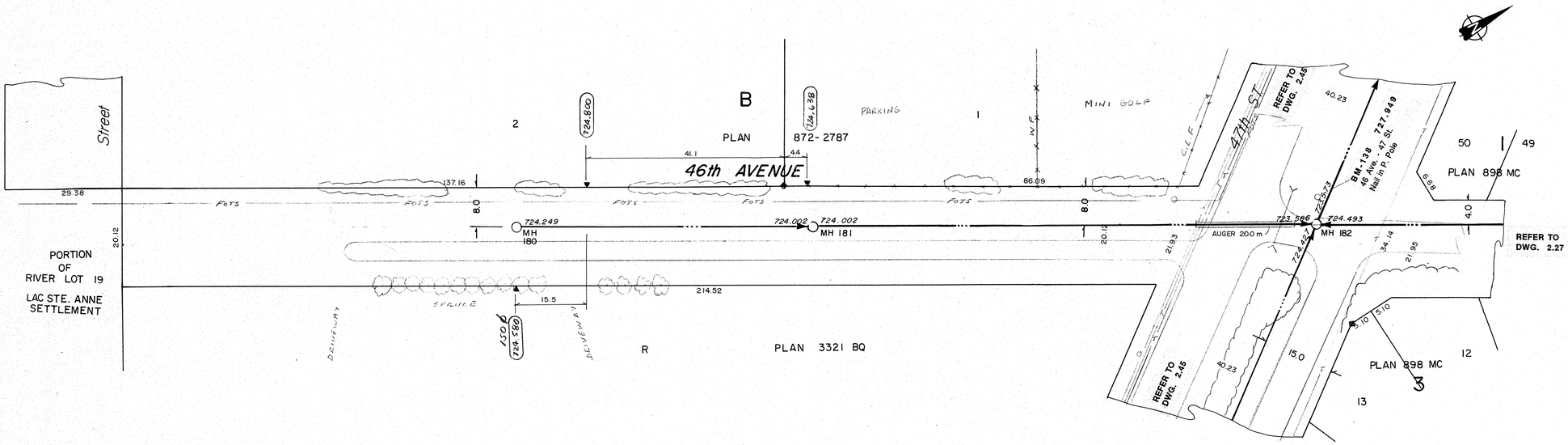
No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED	DF	PM
1	11/90	AS BUILT	DF	PM

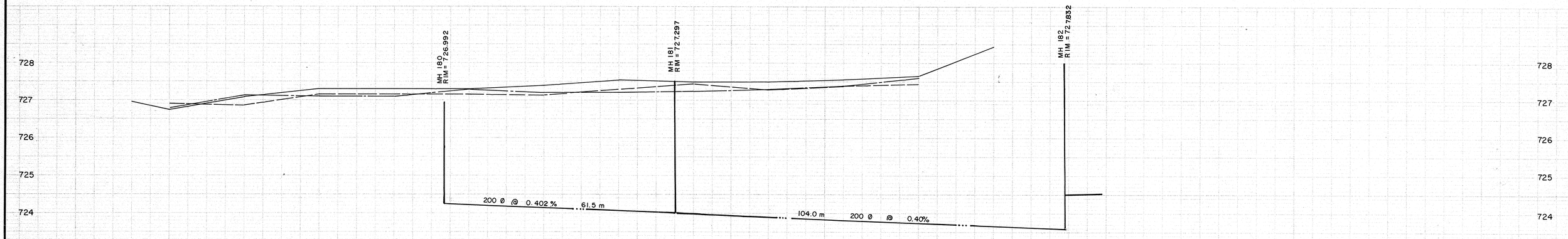
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF YJC
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
46th AVENUE/46B STREET
47th ST. to 46B ST./46th AVE. to 45th AVE.
SHEET OF DWG. No. 2.27





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER E. D. NABER ALBERTA 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SCALE HORIZ. 10m 5 0 5	PROJECT No. 60-89-1
VERT. 1.0m 0.5 0 0.5	
DESIGNED BY EDN	DRAWN BY DFF YJC
CHECKED BY	DATE MAR., 1990

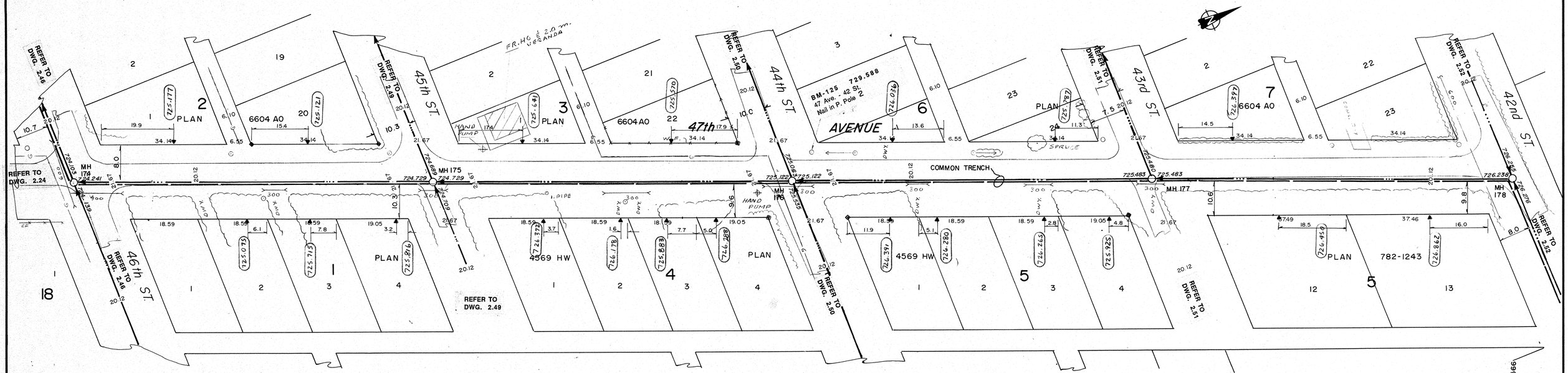
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

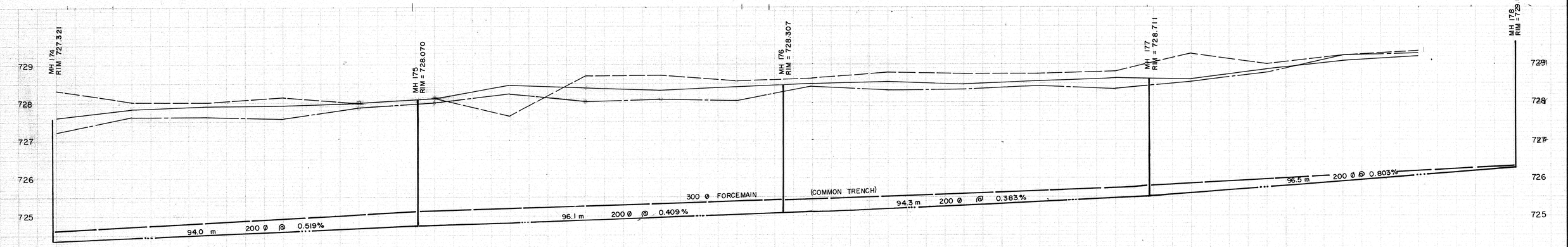
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

46th AVENUE
SOUTHWEST OF 47th ST.

SHEET ..... OF ..... DWG. No. 2.26





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NASE 90-04-17

No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED	DF	PM
1	11/90	AS BUILT	DF	PM

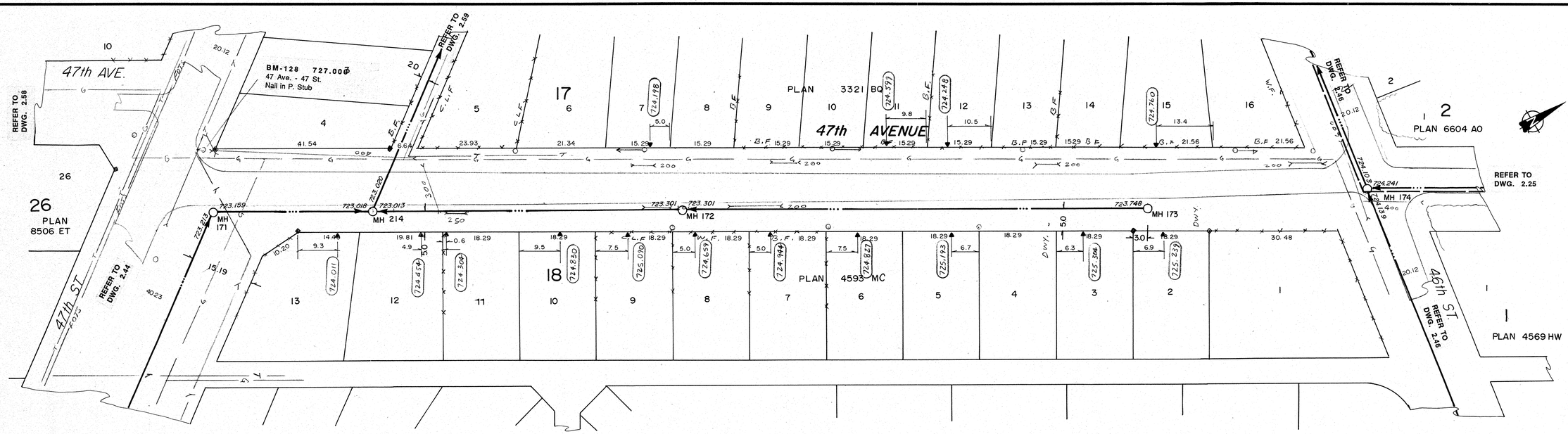
REVISIONS

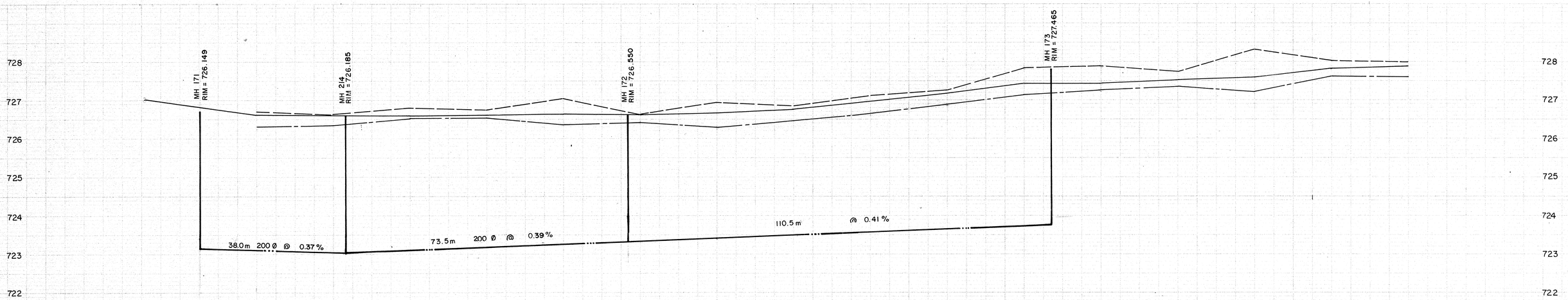
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
47th AVENUE
46th ST. to 42nd ST.
SHEET ..... OF .....
DWG. No. 2.25





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-02
REVIEWED BY: [signature]

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature [signature]
Date 90.04.11
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA ED NABE 91/04/12

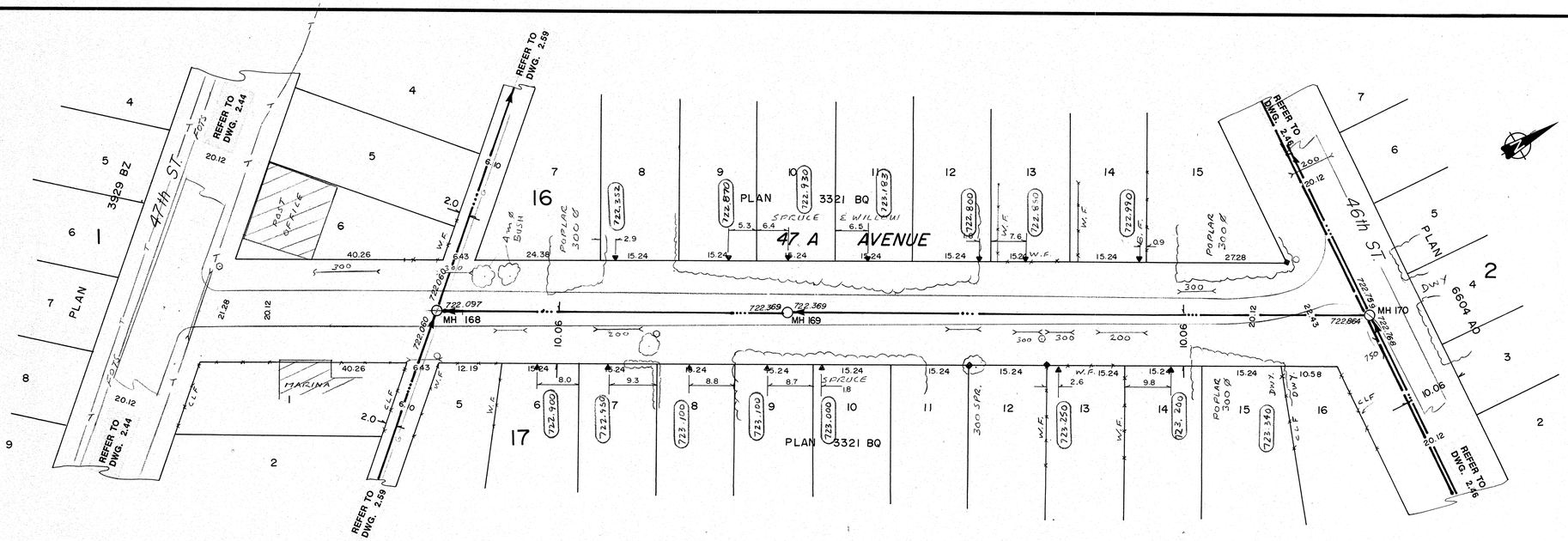
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

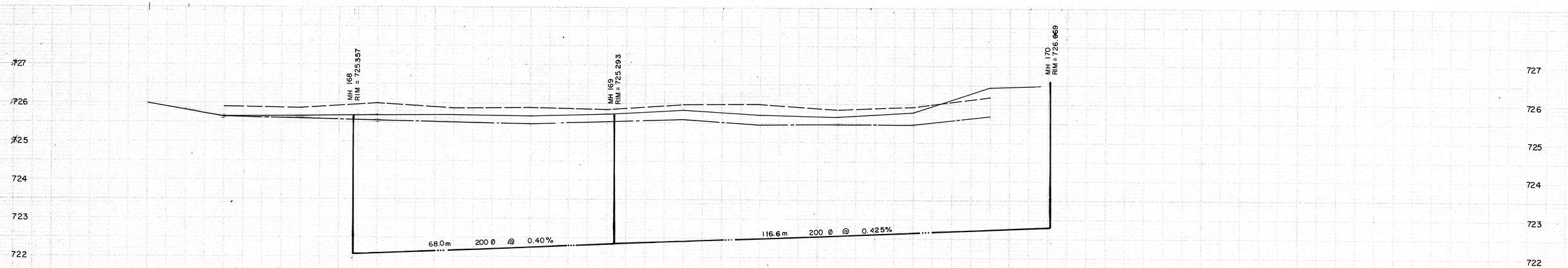
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY [signature]
PROJECT No. 60-89-1
DRAWN BY DFF YJC
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
47th AVENUE
47th ST. to 46th ST.
SHEET ..... OF ..... DWG. No. 2.24





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-09-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NASH 90-09-12

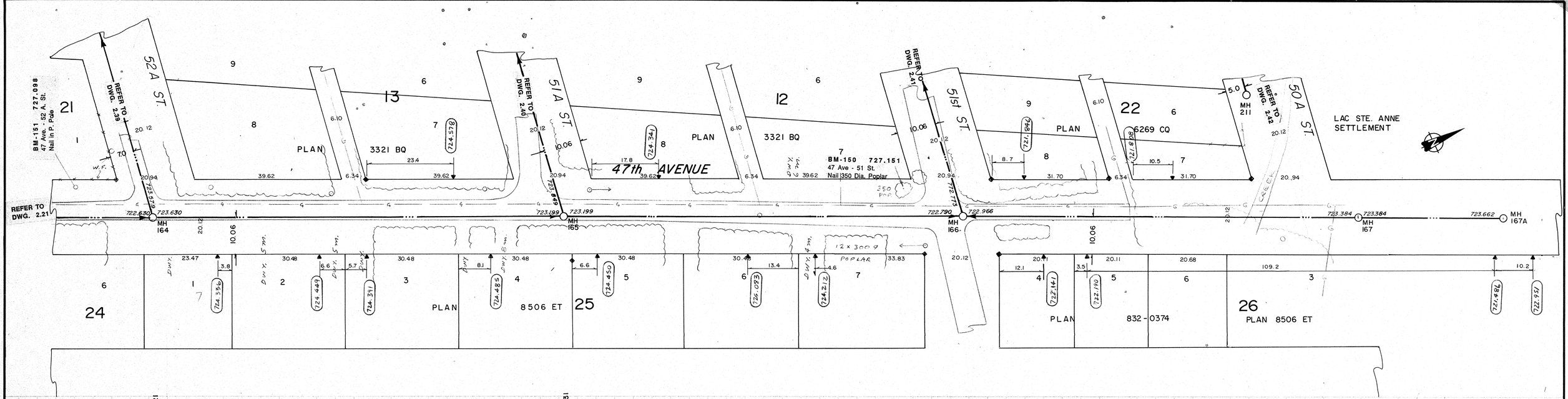
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

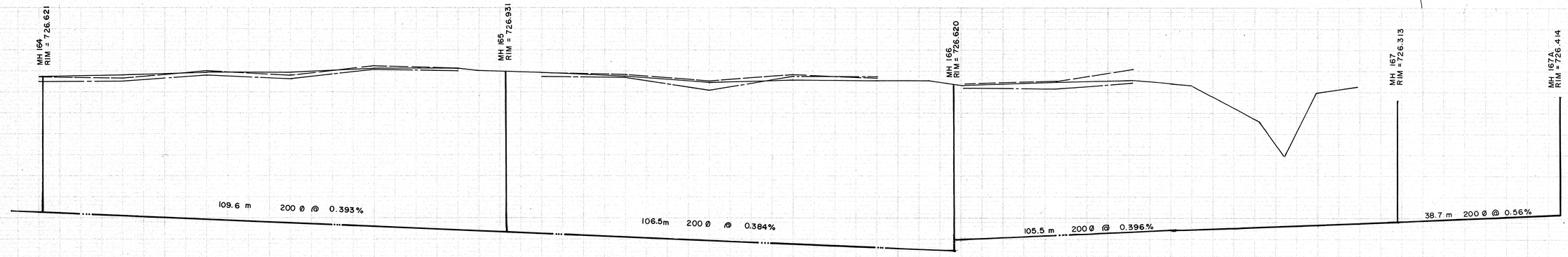
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF YJC
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
47 A AVENUE
47th ST. to 46th ST
SHEET ..... OF ..... DWG. No. 2.23





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER E.D. NAGY 10-04-12 ALBERTA

No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED	DF	PM
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF YJC

CHECKED BY

DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-06-05
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

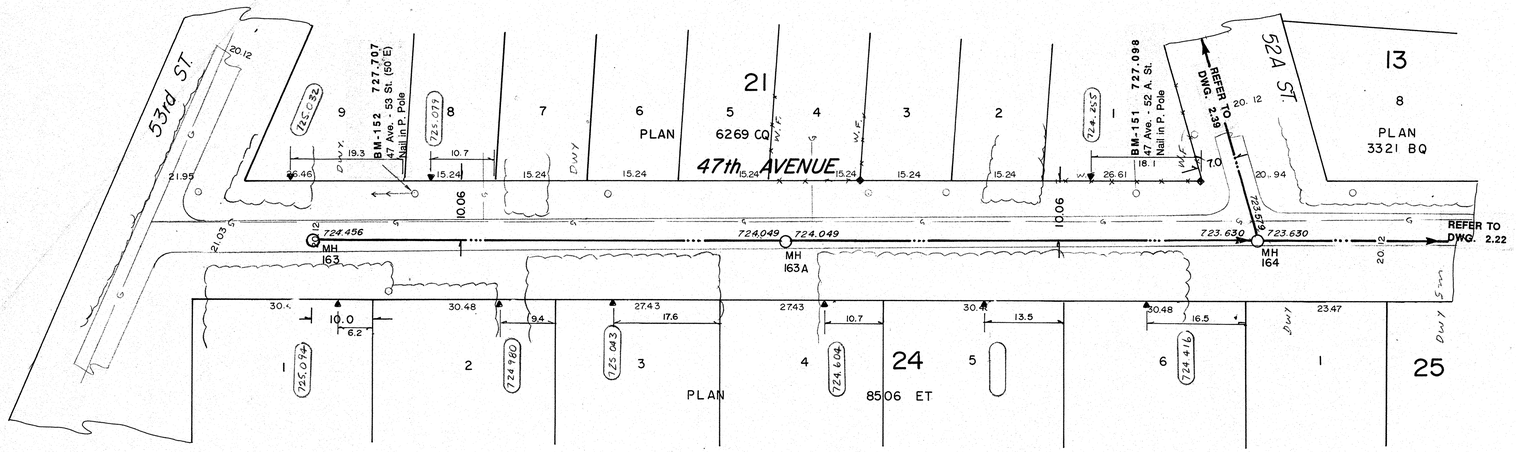
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

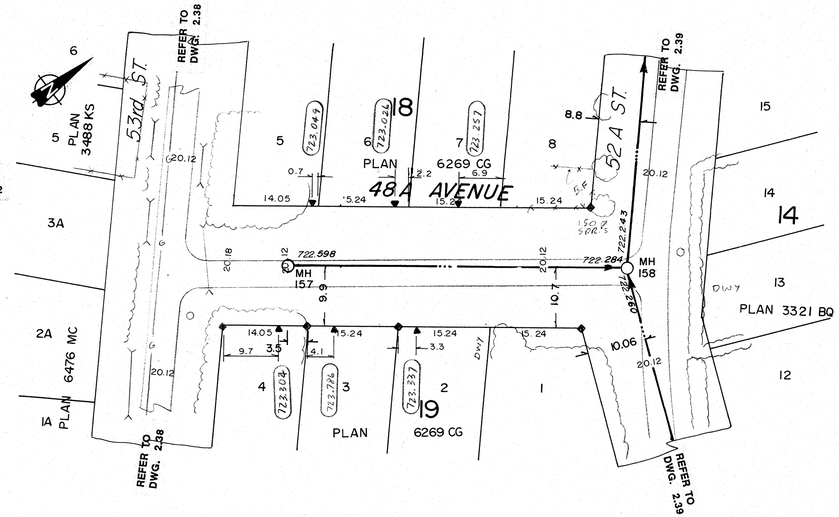
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

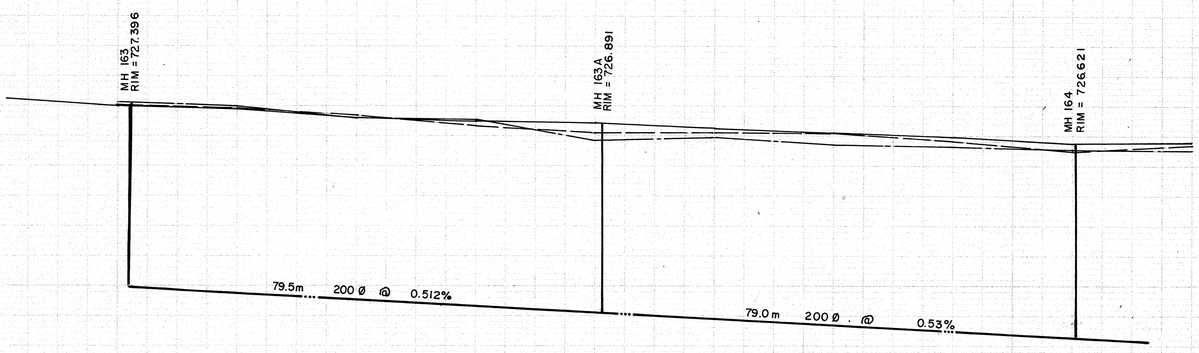
47th AVENUE
52A ST. to 50A ST.

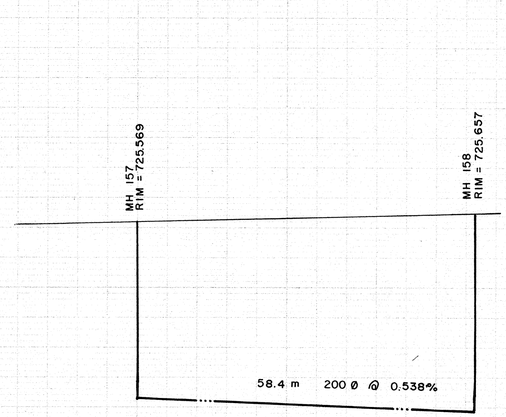
SHEET ..... OF .....

DWG. No. 2.22









728 727 726 725 724 723 722 721

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- SERVICE CONNECTION
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA 90-04-17

No.	DATE	DESCRIPTION	BY	APP
3	05/92	AS BUILT REVISED	DF	PM
2	11/90	AS BUILT	DF	PM
1	1990 05 23	ADDITIONAL MANHOLE	DF	EN

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990

PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

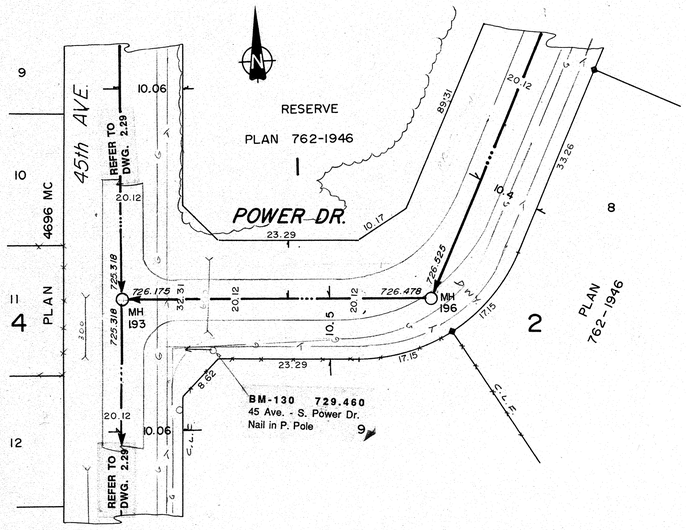
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

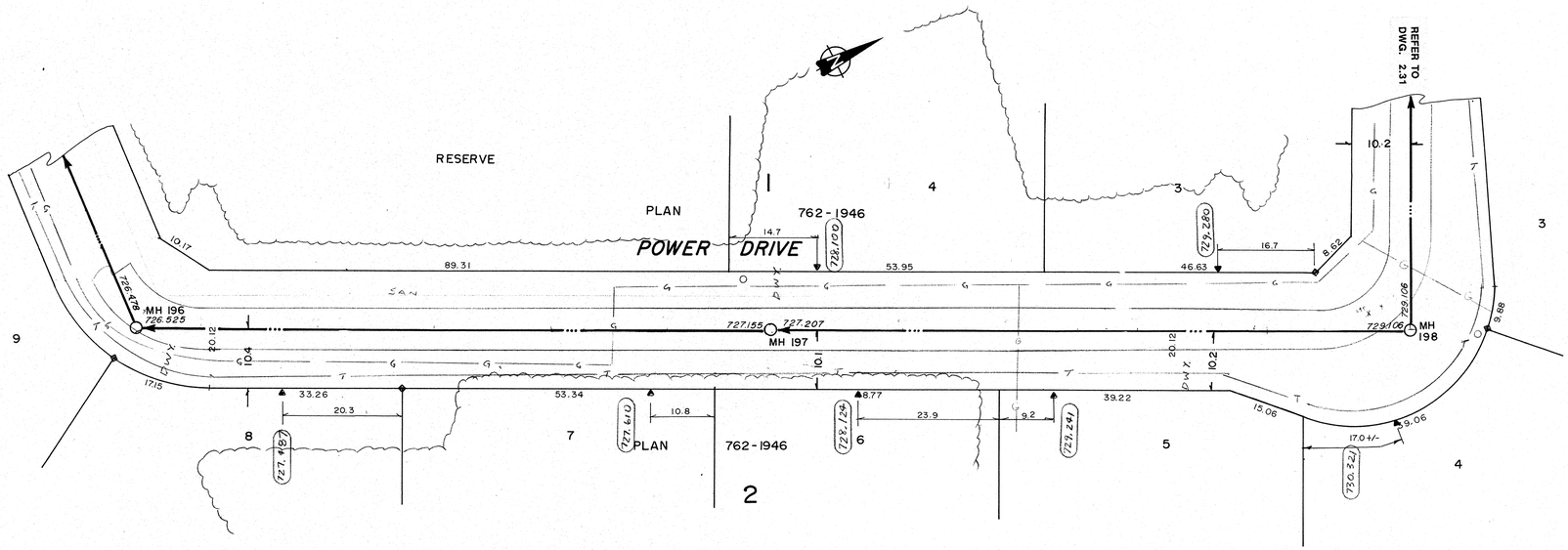
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

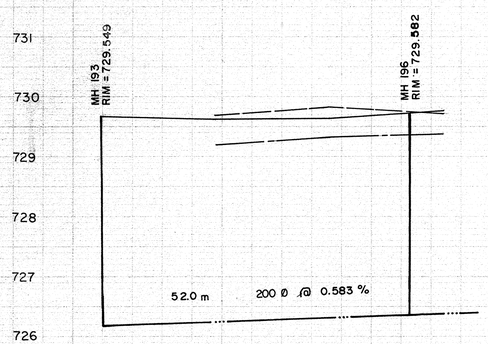
47th AVENUE
53rd ST. to 52A ST.

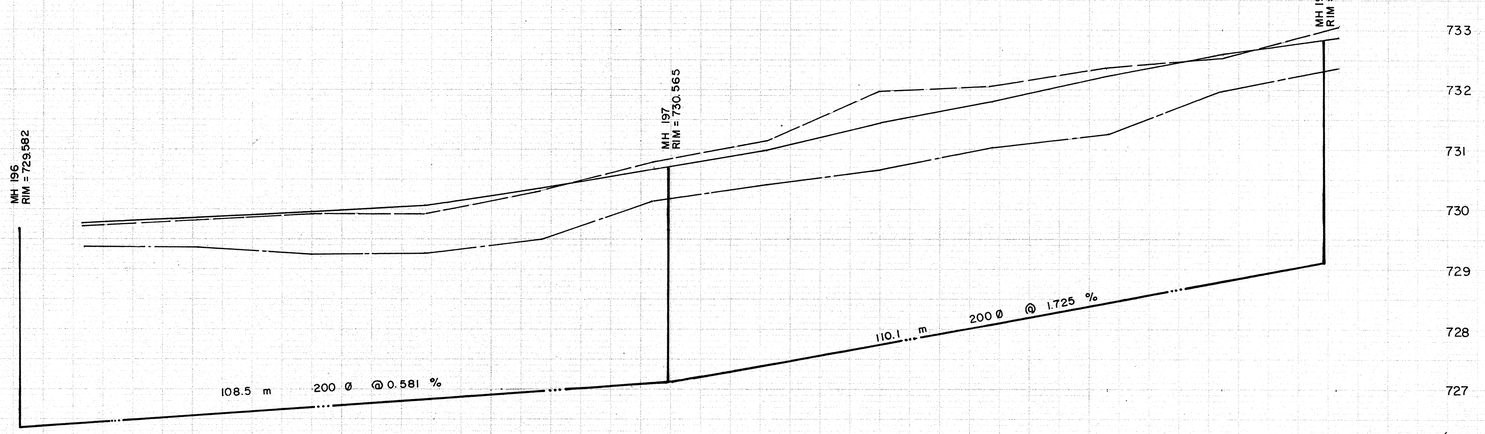
48A AVENUE
53rd ST. to 52A ST.

SHEET ..... OF ..... DWG. No. 2.21









SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 92-09-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER E.D. NABER 92-04-17 ALBERTA

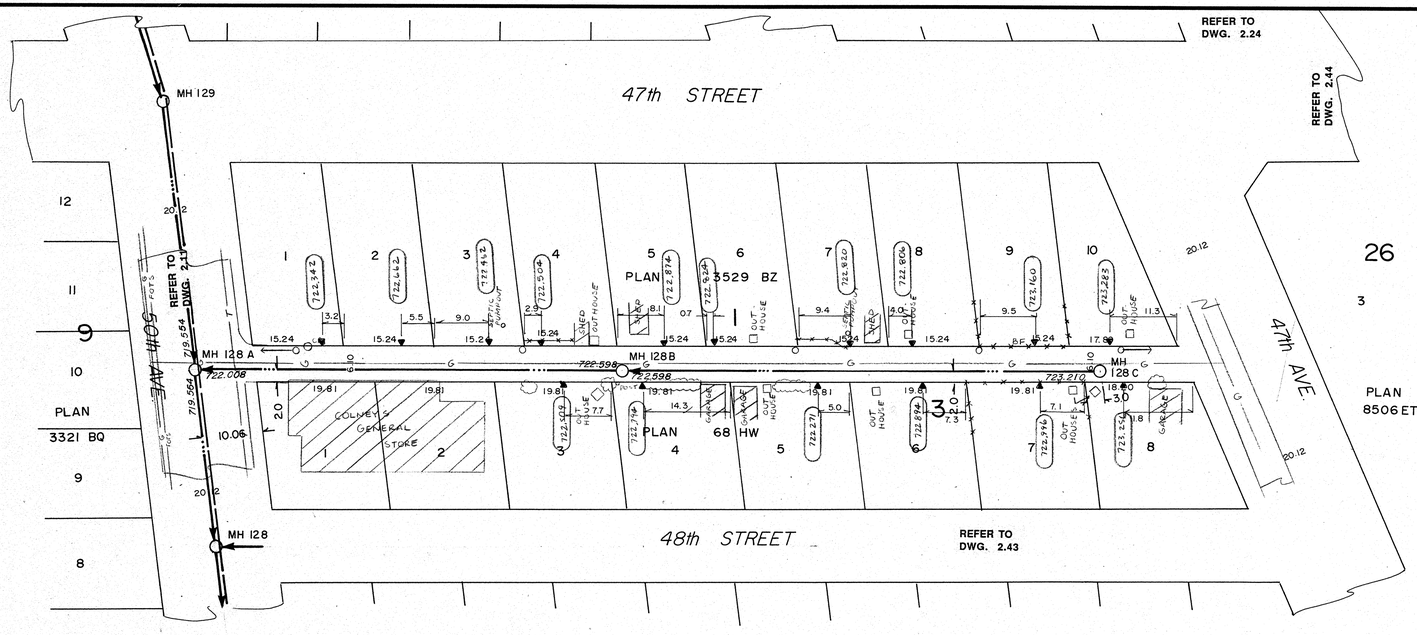
No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED	DF	PM
1	11/90	AS BUILT	DF	PM

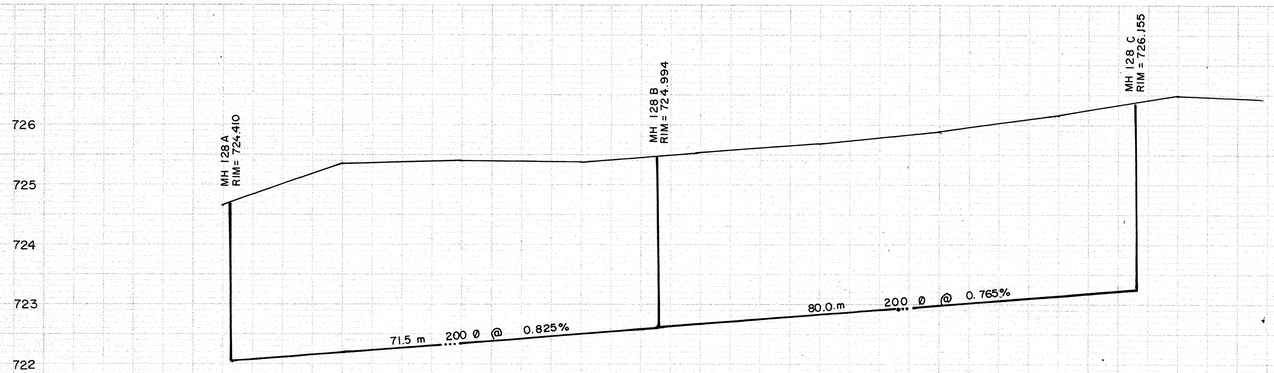
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
PROJECT No. 60-89-1
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
POWER DRIVE
SHEET ..... OF ..... DWG. No. 2.30





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AST PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NABE 90204

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

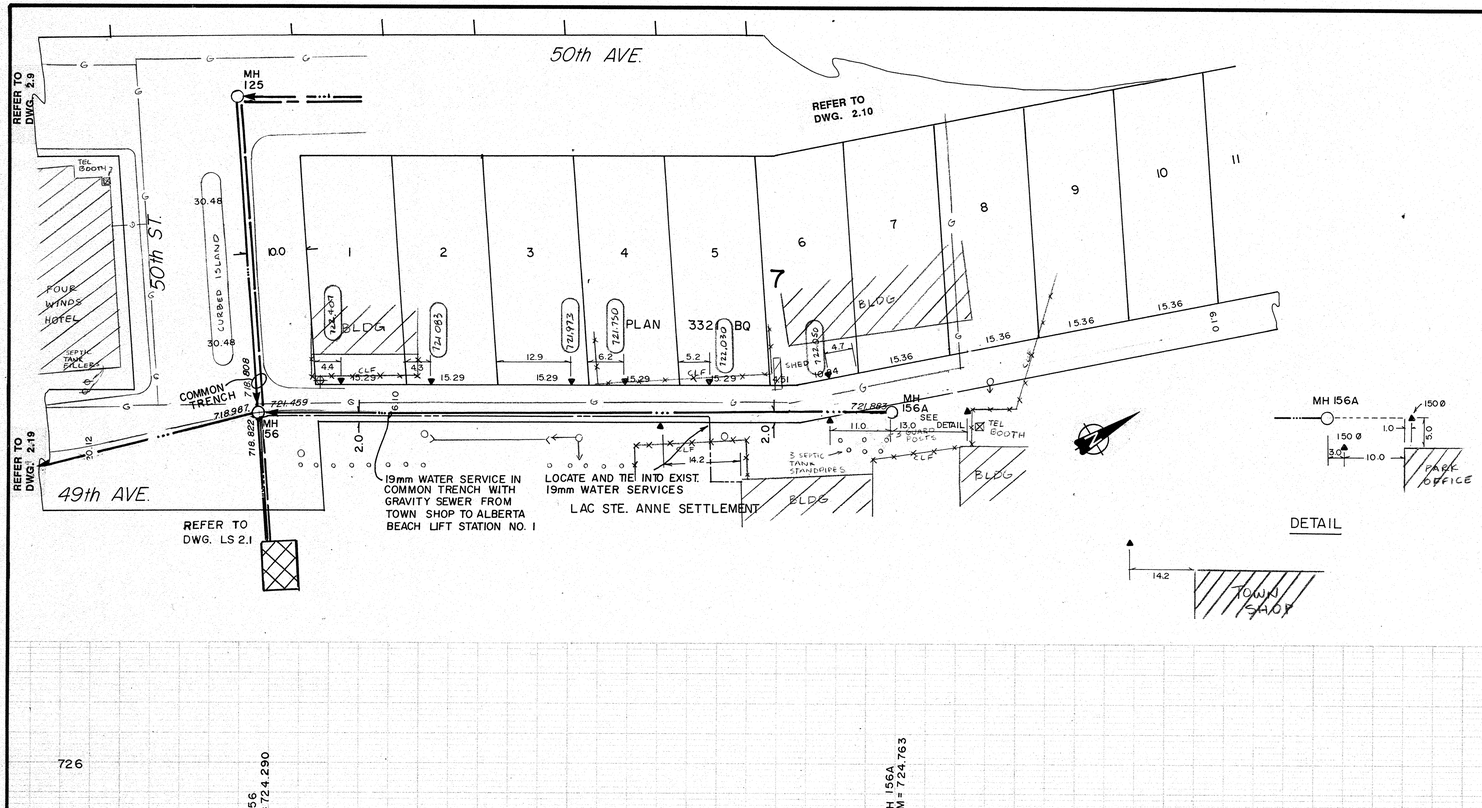
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

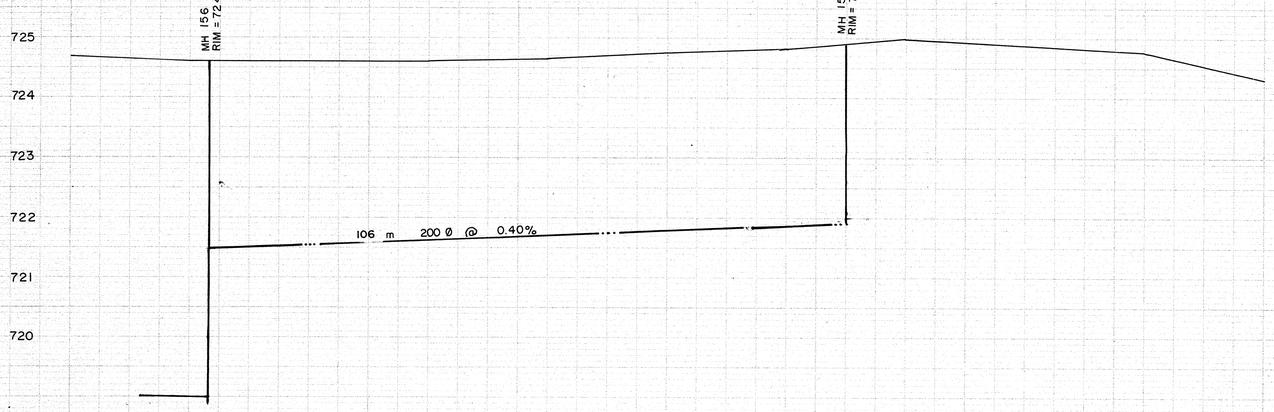
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

LANE SOUTH OF 47th STREET
50th AVE. to 47th AVE.

47th AVENUE
LANE NORTHERLY to 47th ST.

SHEET ..... OF ..... DWG. No. 2.58





726

725

724

723

722

721

720

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90 04 17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA 90 04 17

No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED	DF	PM
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

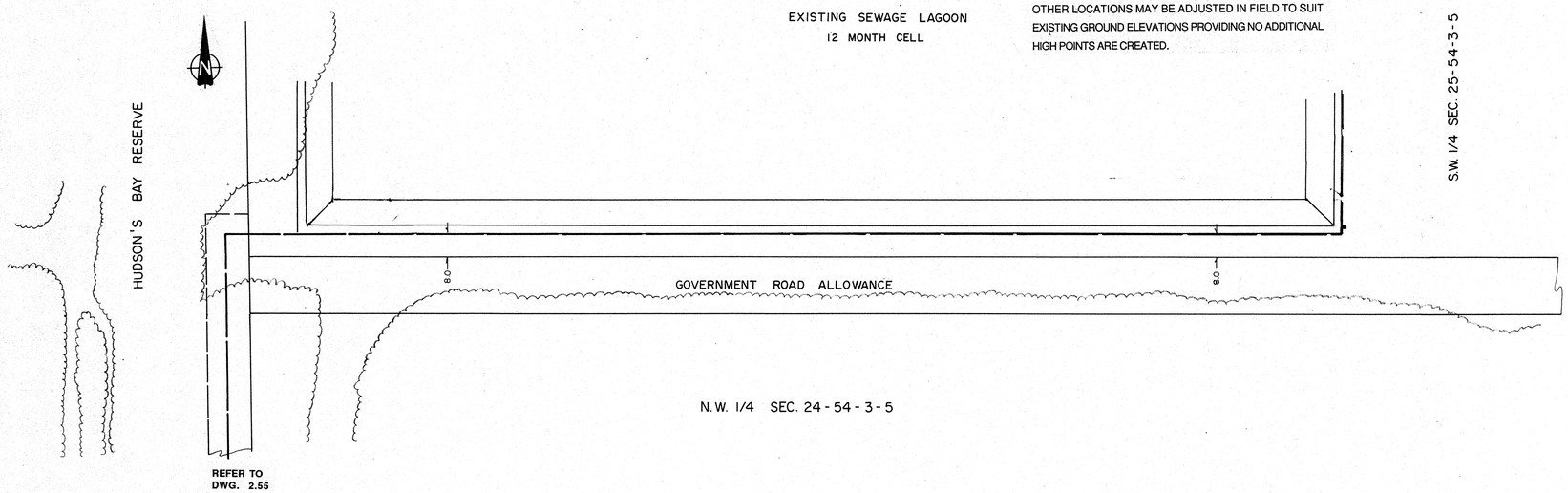
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

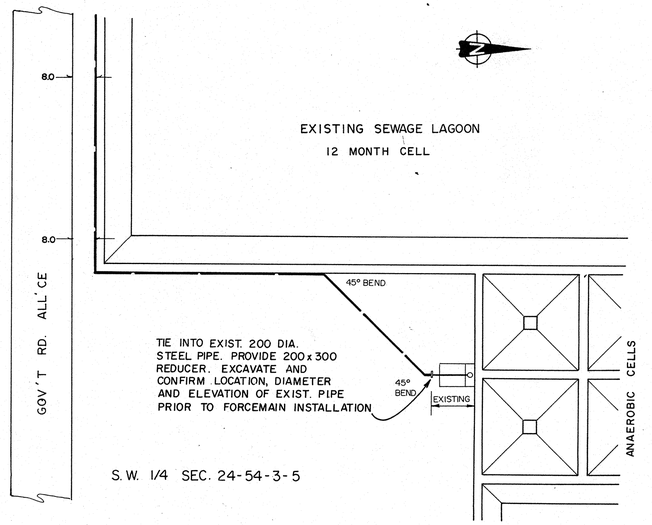
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

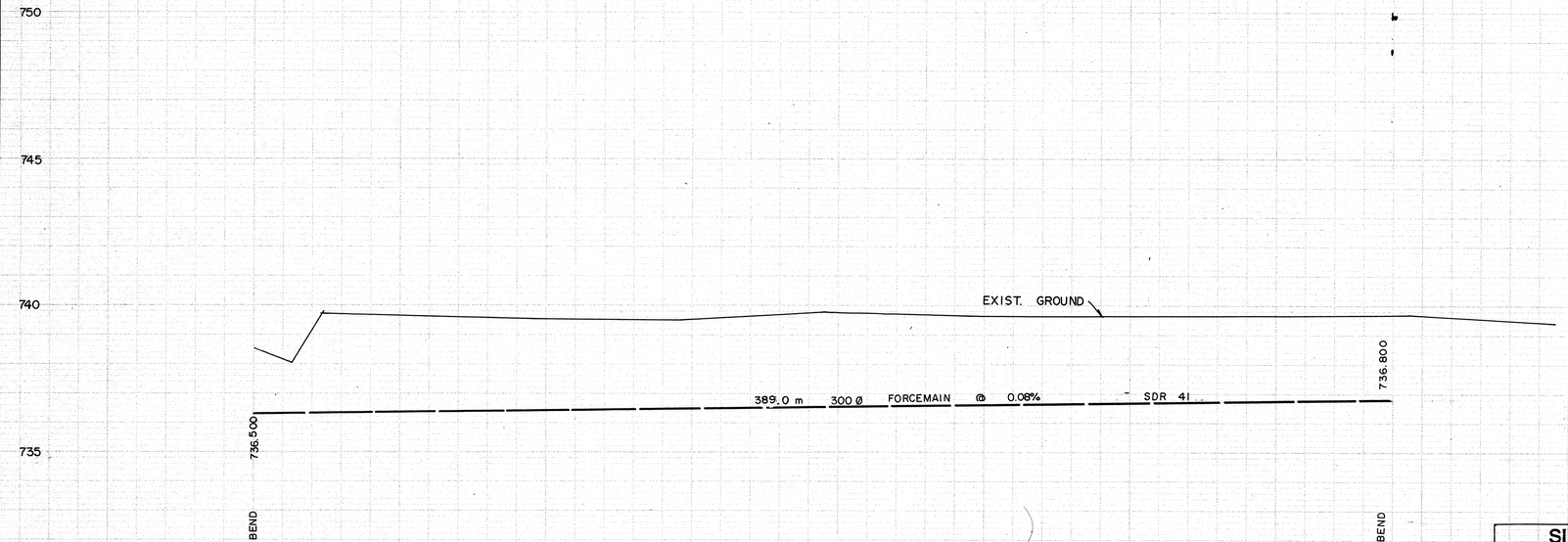
LANE SOUTH OF 50th AVENUE
EASTERLY FROM 50th ST.

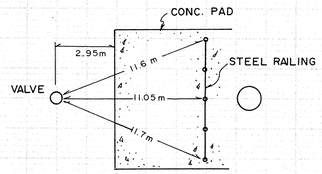
SHEET ..... OF ..... DWG. No. 2.57

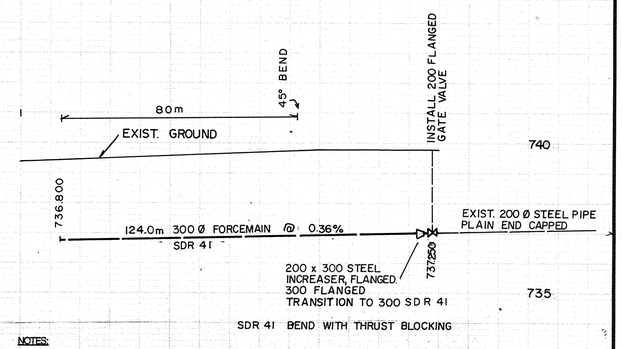
NOTE:
FORCEMAIN ELEVATIONS SHOWN AT HIGH POINTS (AIR RELEASE VALVE NO. 1 AND AIR RELEASE VALVE NO. 2) MUST BE SET AS SHOWN ON DRAWINGS. INVERTS AT OTHER LOCATIONS MAY BE ADJUSTED IN FIELD TO SUIT EXISTING GROUND ELEVATIONS PROVIDING NO ADDITIONAL HIGH POINTS ARE CREATED.











SDR 41 BEND WITH THRUST BLOCKING

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — REGD. NAME — 90-09-17

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

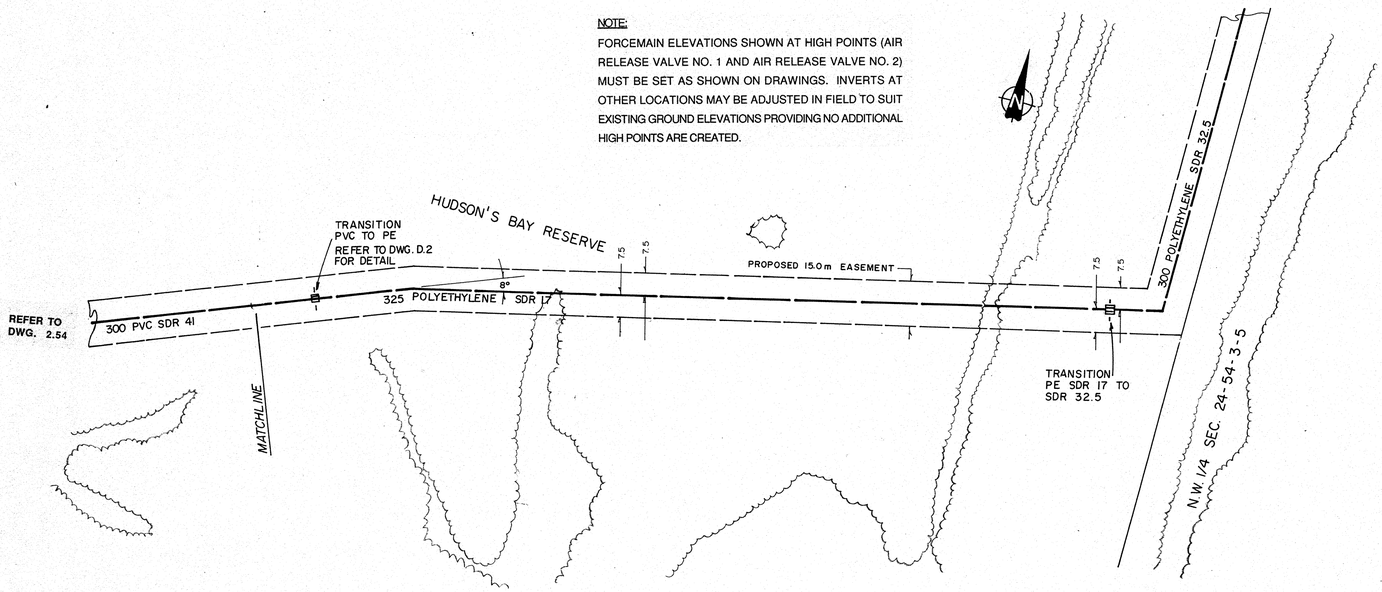
SCALE HORIZ. 20m 10 0 10m
VERT. 2.0m 1.0 0 1.0m

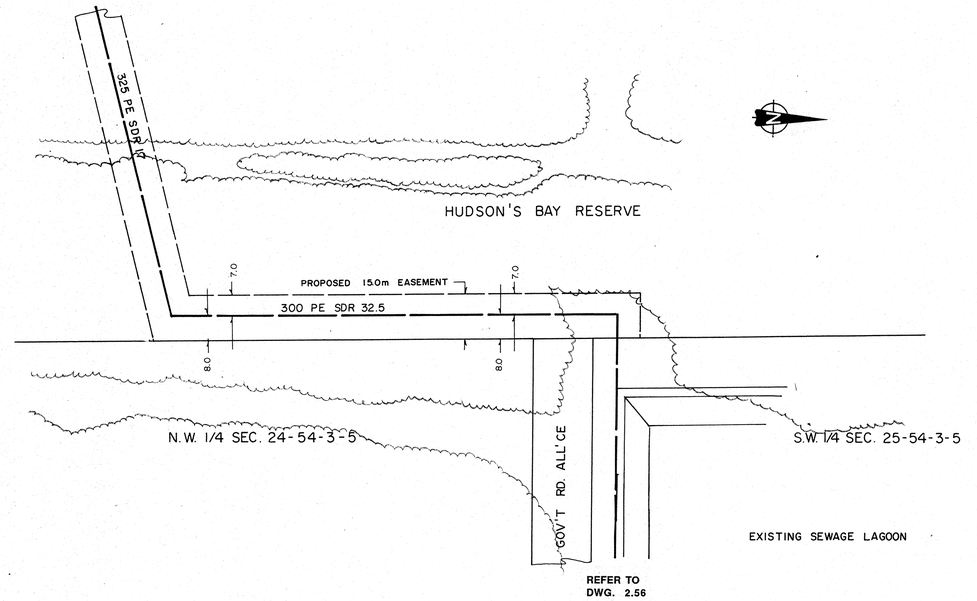
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

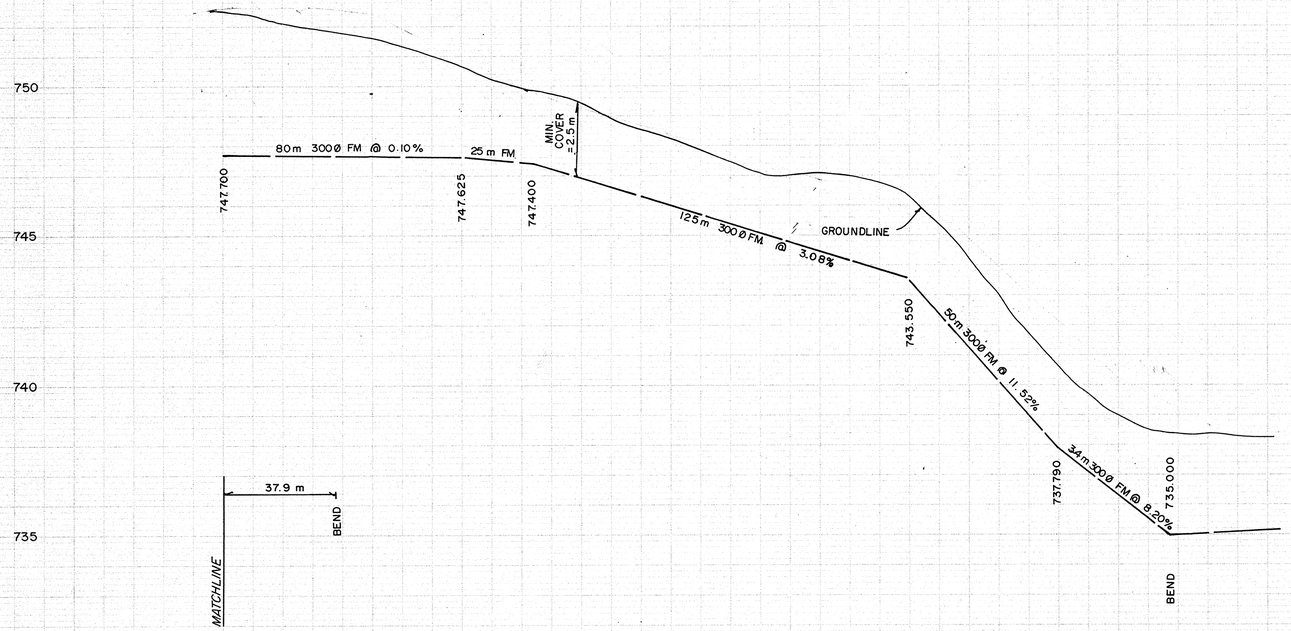
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

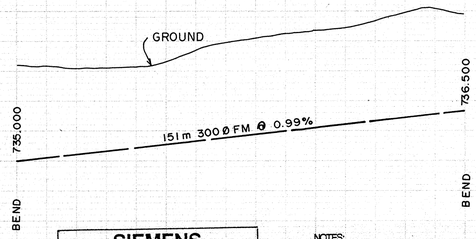
TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
FORCEMAIN
TIE-IN AT EXISTING LAGOON
SHEET ..... OF ..... DWG. No. 2.56

NOTE:
FORCEMAIN ELEVATIONS SHOWN AT HIGH POINTS (AIR RELEASE VALVE NO. 1 AND AIR RELEASE VALVE NO. 2) MUST BE SET AS SHOWN ON DRAWINGS. INVERTS AT OTHER LOCATIONS MAY BE ADJUSTED IN FIELD TO SUIT EXISTING GROUND ELEVATIONS PROVIDING NO ADDITIONAL HIGH POINTS ARE CREATED.









SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- PQWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
E. D. NABE
90-04-12

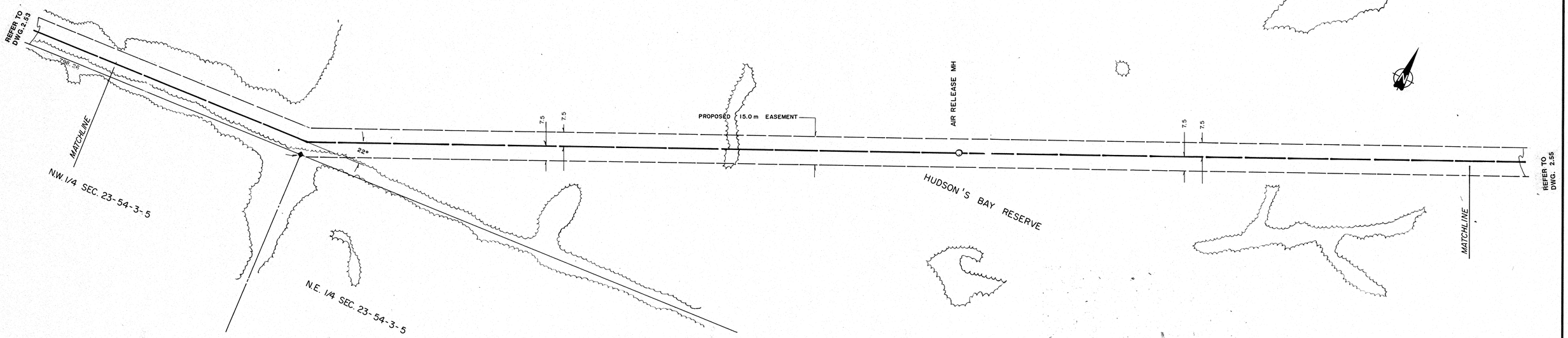
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

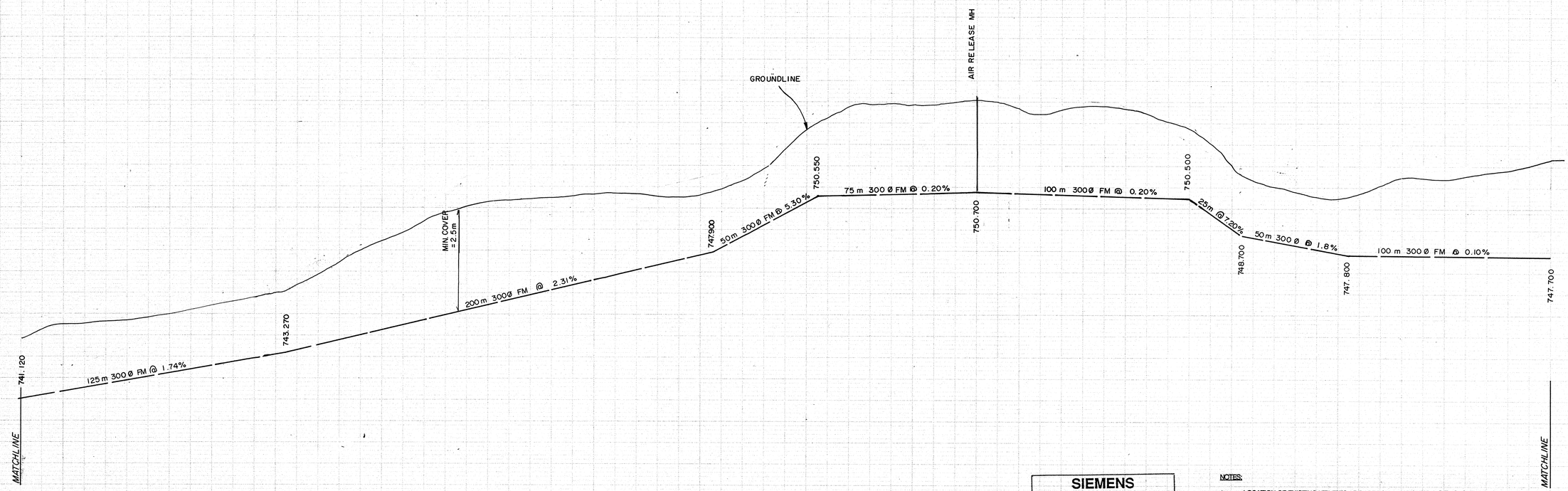
REVISIONS

SCALE HORIZ. 20m 10 0 10m
VERT. 2.0m 1.0 0 1.0m
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
FORCEMAIN
EASTERLY TOWARDS EXISTING LAGOON
SHEET ..... OF ..... DWG. No. 2.55





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA D. NABE 90-04-12

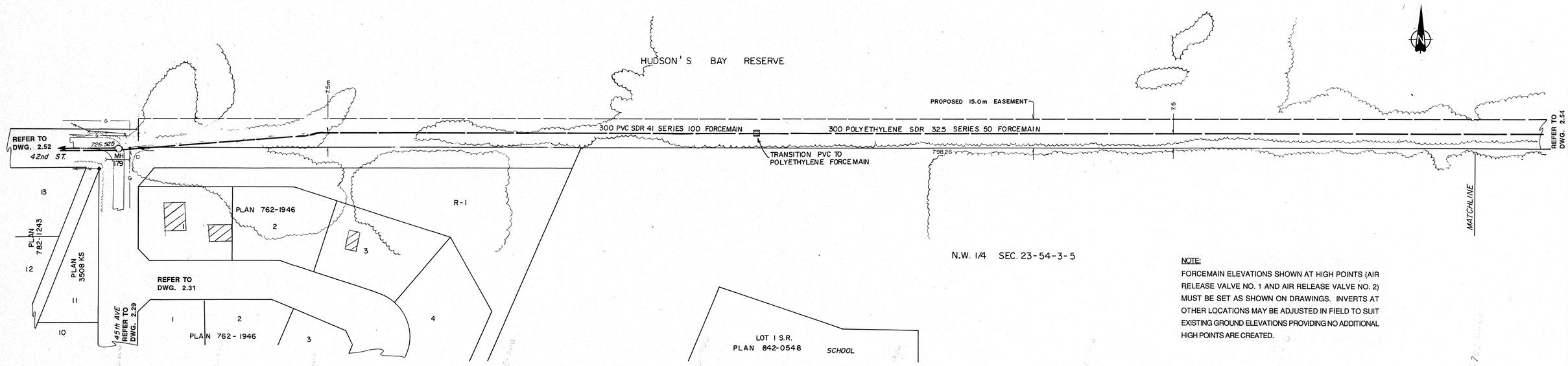
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 20m 10 0 10m
VERT. 2.0m 1.0 0 1.0m
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
FORCEMAIN
EASTERLY TOWARDS EXISTING LAGOON
SHEET ..... OF ..... DWG. No. 2.54



NOTE:
FORCEMAIN ELEVATIONS SHOWN AT HIGH POINTS (AIR RELEASE VALVE NO. 1 AND AIR RELEASE VALVE NO. 2) MUST BE SET AS SHOWN ON DRAWINGS. INVERTS AT OTHER LOCATIONS MAY BE ADJUSTED IN FIELD TO SUIT EXISTING GROUND ELEVATIONS PROVIDING NO ADDITIONAL HIGH POINTS ARE CREATED.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — REGISTERED NAME — DATE — SEAL

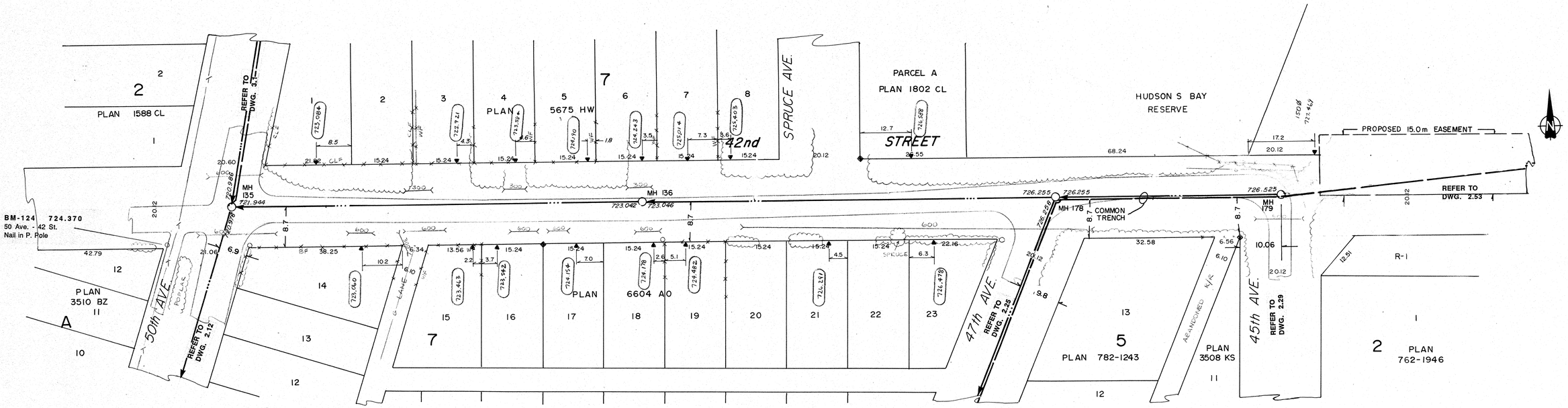
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

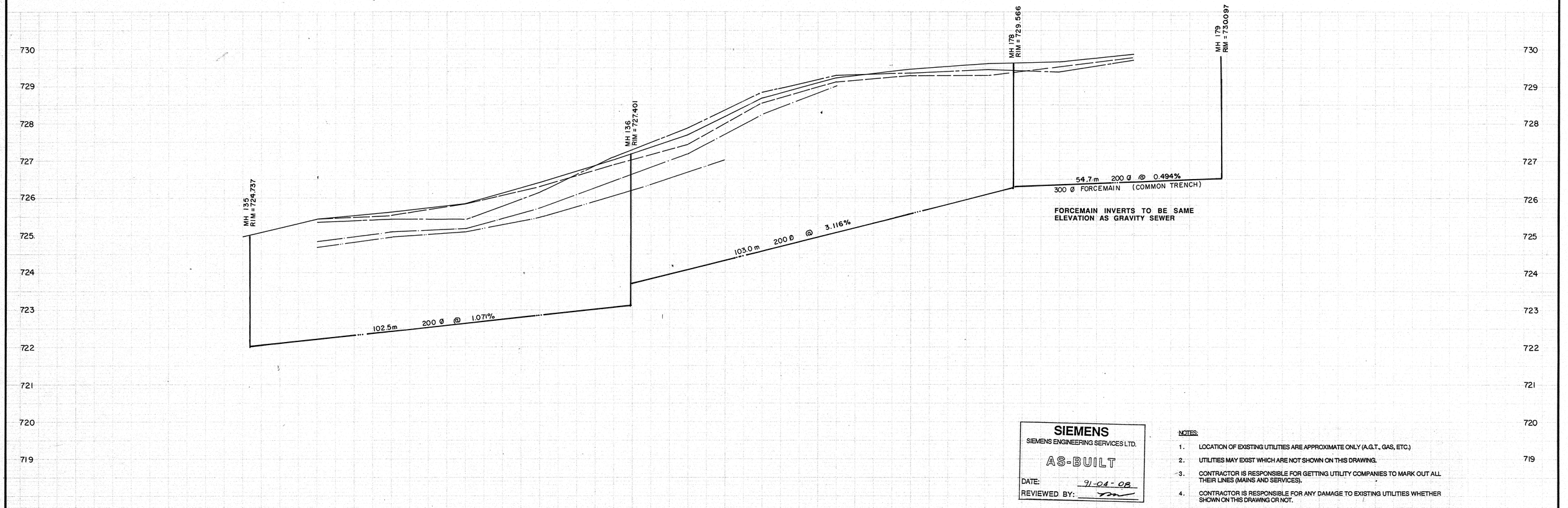
REVISIONS

SCALE HORIZ. 20m 10 0 10m
VERT. 2.0m 1.0 0 1.0m
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
FORCEMAIN AT 42nd STREET
45th AVE. EASTERLY TOWARDS EXISTING LAGOON
SHEET ..... OF ..... DWG. No. 2.53





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NAK 90-04-11

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

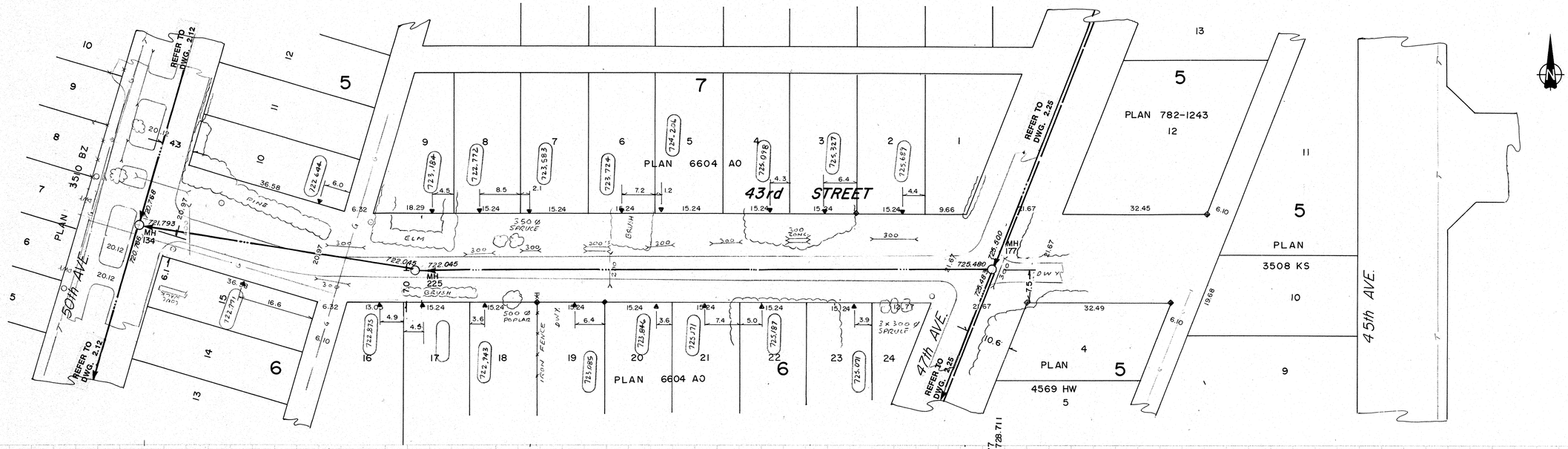
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

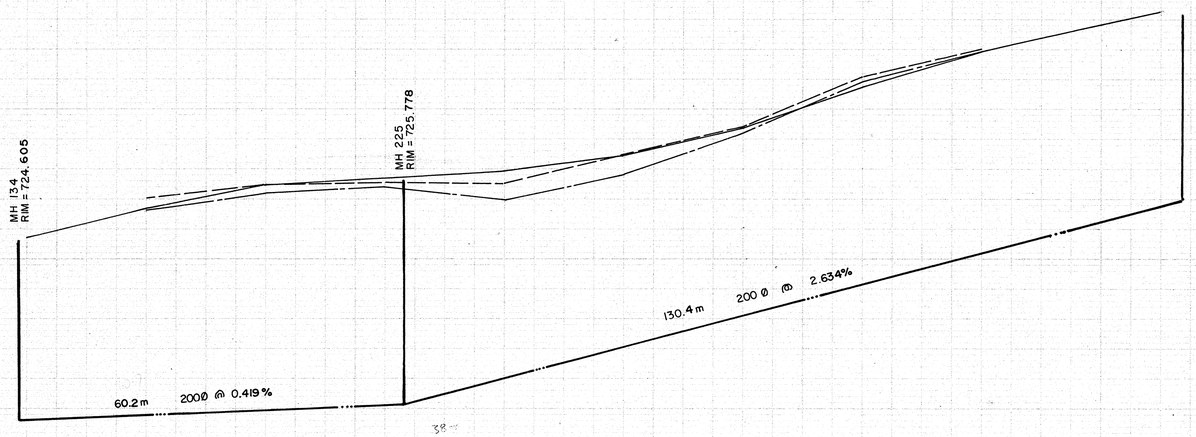
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
42nd STREET
50th AVE. to 45th AVE.

SHEET ..... OF ..... DWG. No. 2.52





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- MH 712.00 — GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- 300 CSP — CSP CULVERT W/DIA.
- 300 CONC — CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CB — CATCH BASIN
- POWER LINE — SERVICE CONNECTION
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA 9104-1

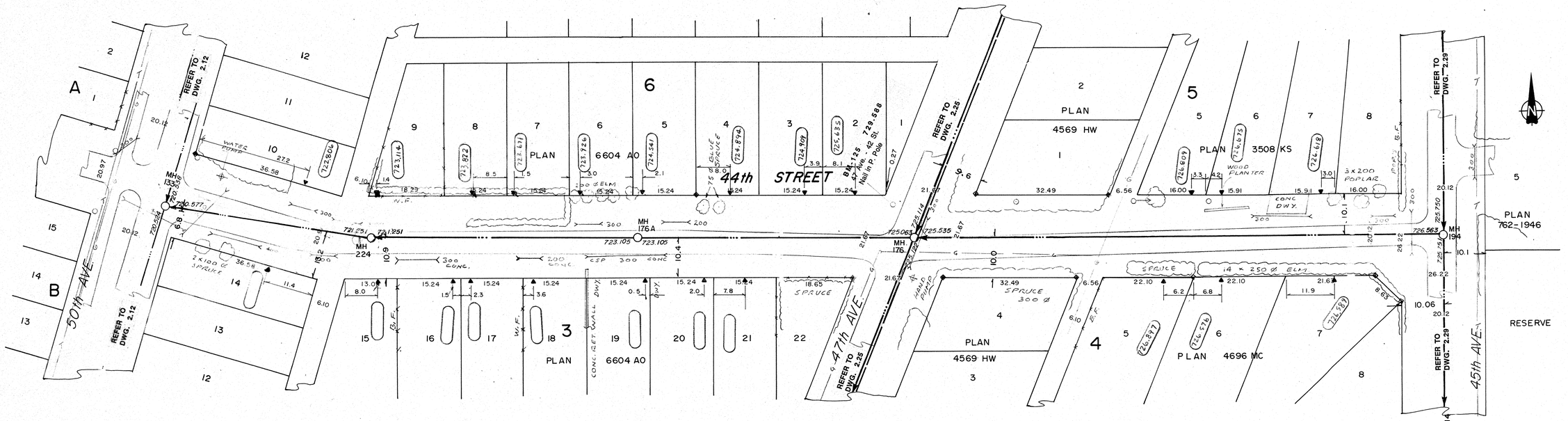
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

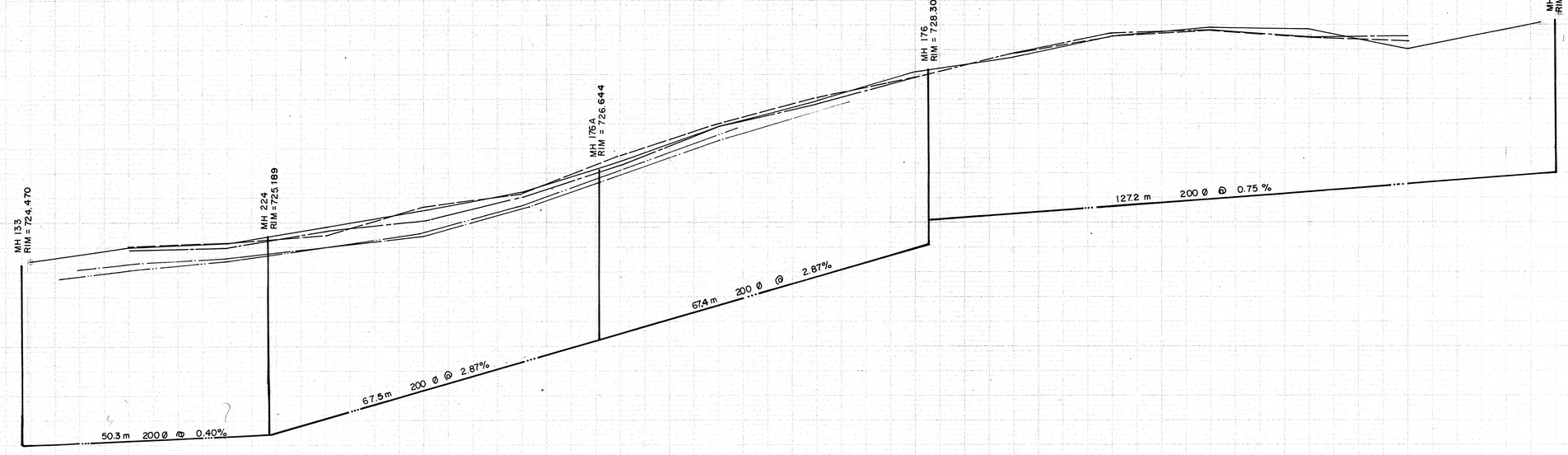
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF YJC
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
43th STREET
50th AVE. to 47th AVE.
SHEET ..... OF ..... DWG. No. 2.51





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER D. DIASE 90-04-17 ALBERTA

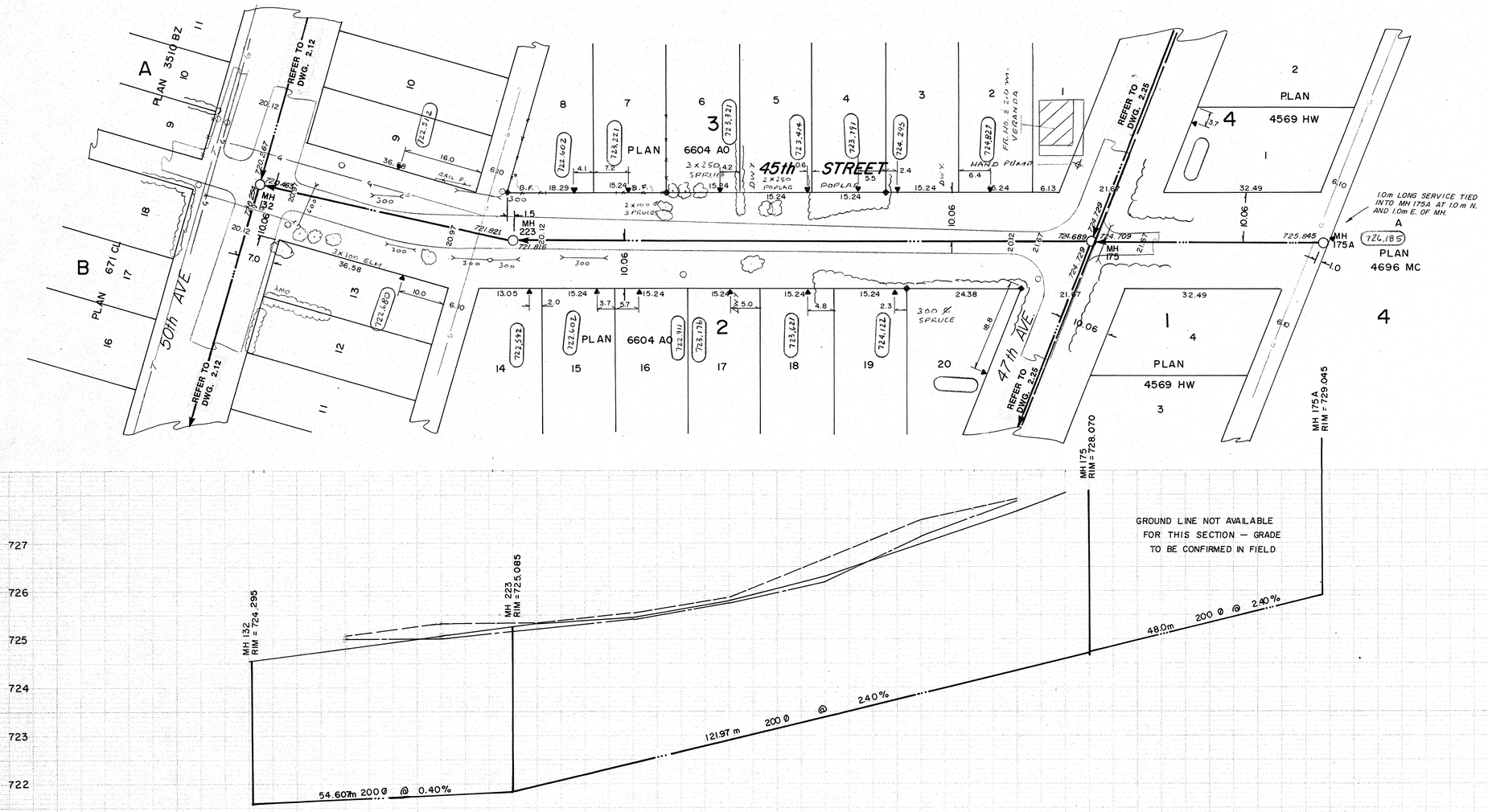
No.	DATE	DESCRIPTION	BY	APP
2	11/90	AS BUILT	DF	PM
1	1990 05 23	ADDITIONAL MANHOLE	DF	EN

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
PROJECT No. 60-89-1
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
44th STREET
50th AVE. to 45th AVE
SHEET ..... OF ..... DWG. No. 2.50



727 726 725 724 723 722 721

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-06-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA D. NABE 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
45th STREET
50th AVE. to 46th AVE.
SHEET ..... OF ..... DWG. No. 2.49

SCHOOL PARKING LOT

EXIST. SCHOOL SEPTIC TANK

LOT 1 S.R. PLAN 842-0548

FRAC. N.W. 1/4
SEC. 23-54-3-5

46th STREET

PREFAB. CONC. CURBING

WALK

PAVEMENT

C.L.F.

CONC. CURB

DWY

EDGE OF GRAVEL

PROP. 6.0m EASEMENT

MH 219A

MH 220

MH 221

MH 222

REFER TO DWG. 2.47

PROPOSED 6.0m EASEMENT

FRAC. N.W. 1/4
SEC. 23-54-3-5

MH 220 RIM = 730.367

MH 221 RIM = 734.113

MH 222 RIM = 735.082

111.0 m 200 Ø @ 2.60 %

40.0 m 200 Ø @ 2.445%

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY.
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA C. D. NABE 10-841-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN

DRAWN BY DFF YJC

CHECKED BY

DATE MAR., 1990

PROJECT No. 60-89-1

SIEMENS

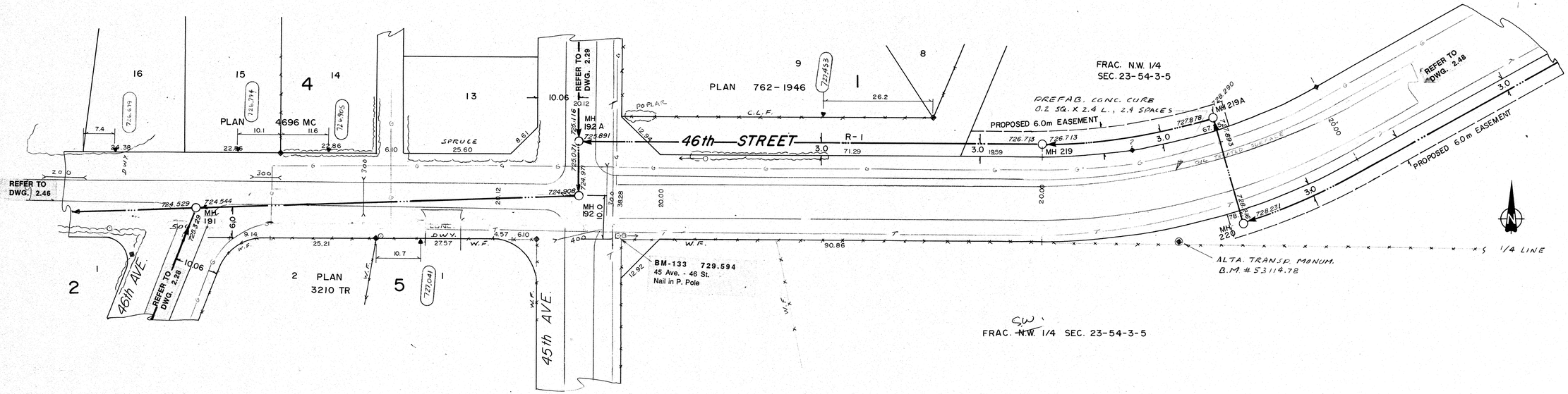
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

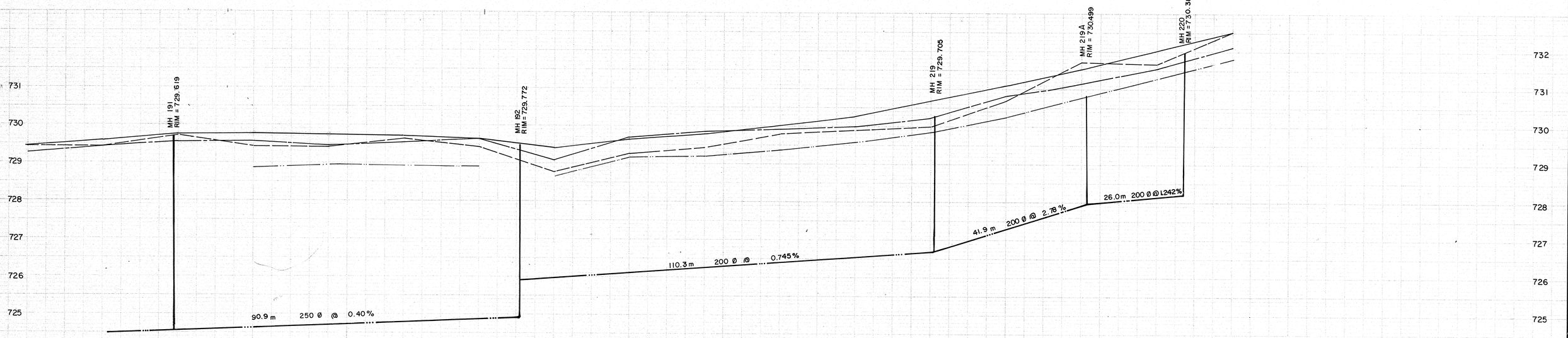
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

46th STREET
EASTERLY TOWARDS SCHOOL SITE

SHEET ..... OF ..... DWG. No. 2.48





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- SERVICE CONNECTION
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	FM

REVISIONS

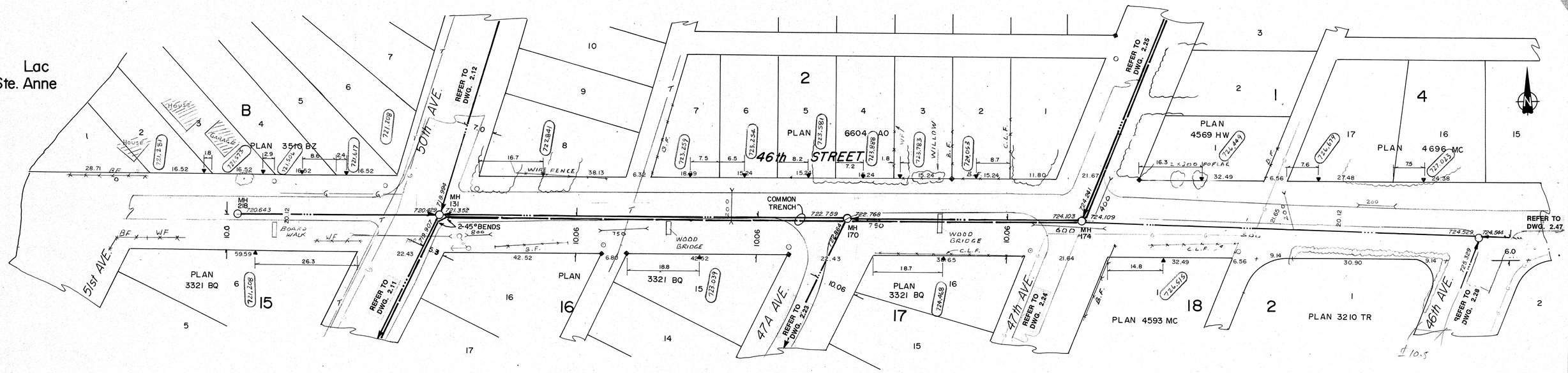
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

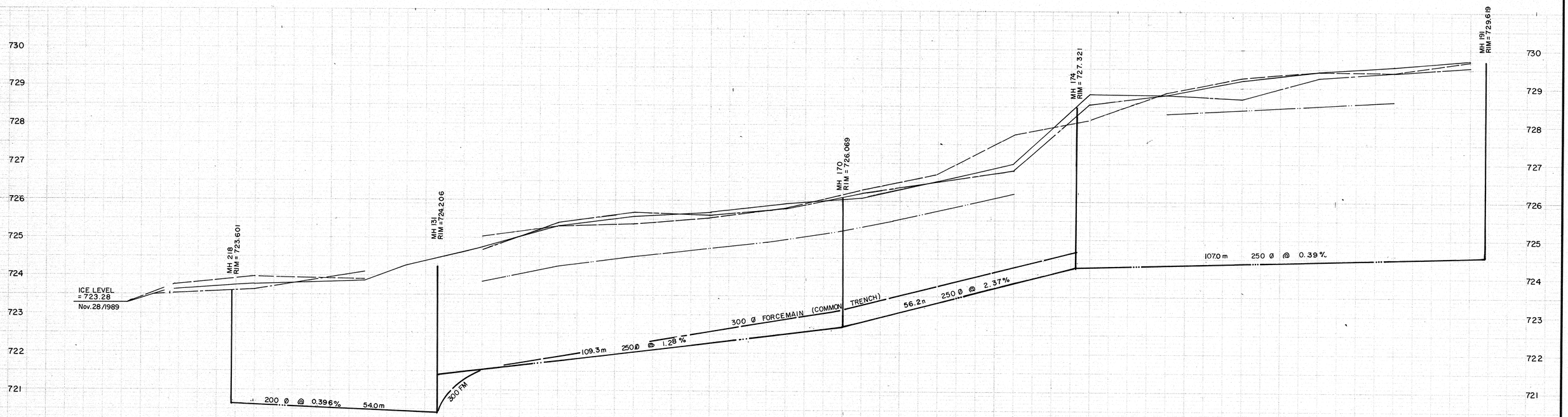
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
46th STREET
46th AVE. EASTERLY TOWARDS SCHOOL SITE
SHEET ..... OF ..... DWG. No. 2.47

Lac
Ste. Anne





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — E. D. NASH — 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

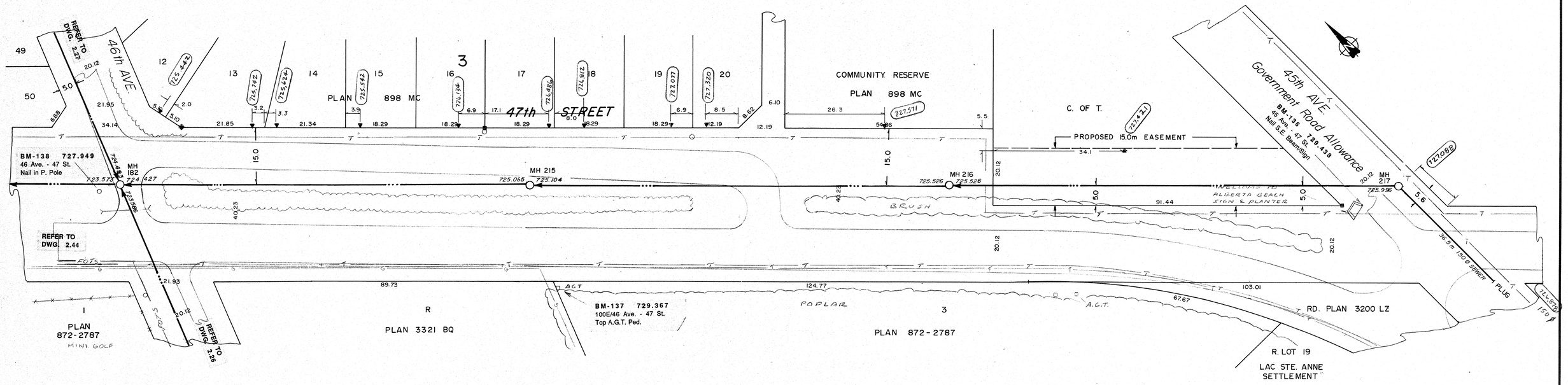
NOTES:

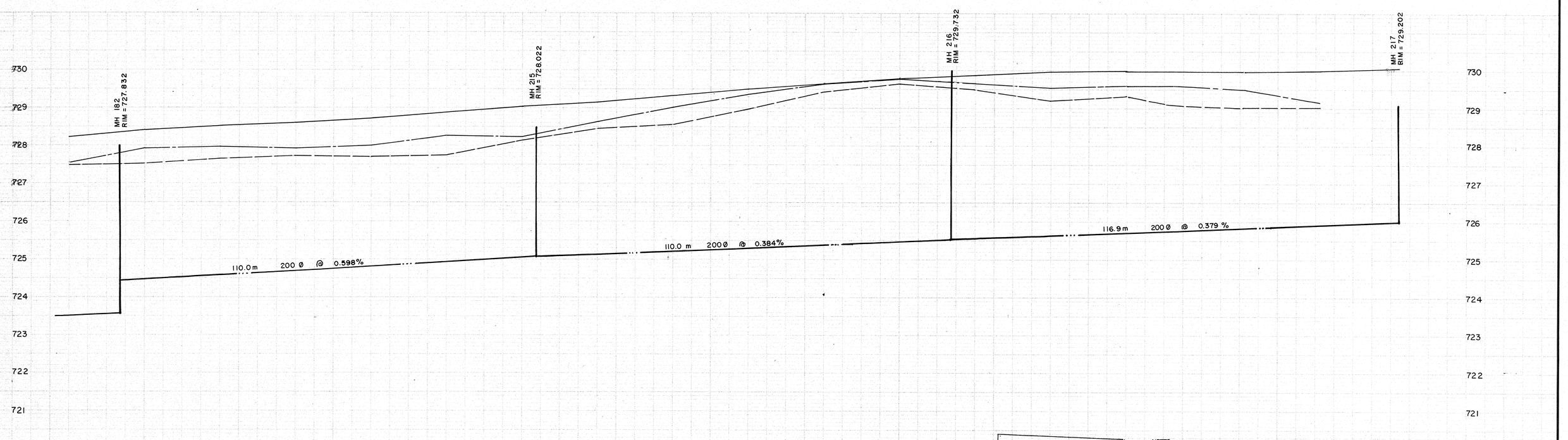
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
PROJECT No. 60-89-1
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
46th STREET
50th AVE. to 47th AVE.
SHEET ..... OF .....
DWG. No. 2.46





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NASH

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

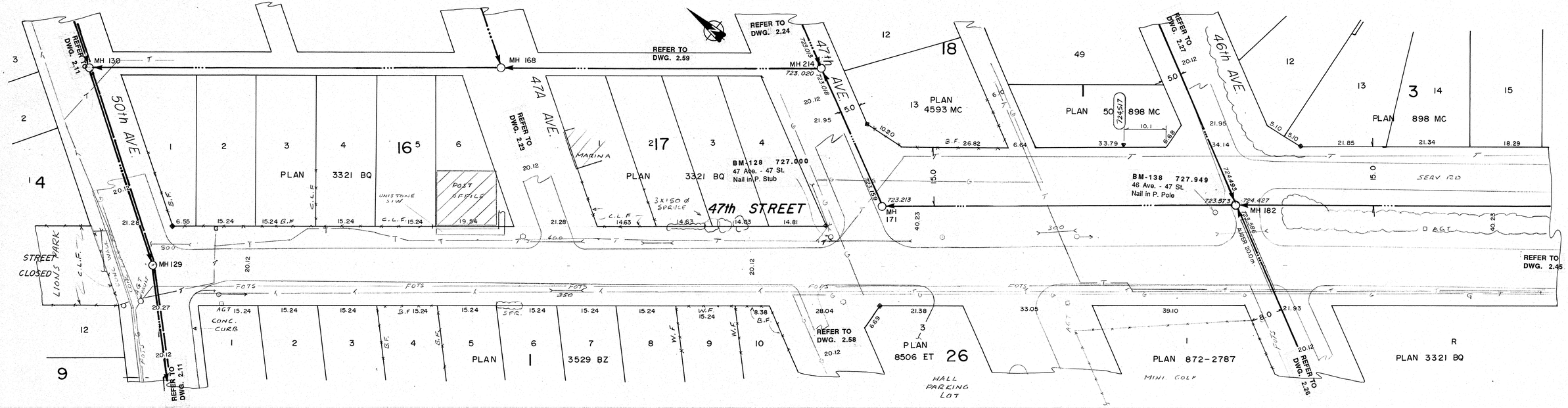
REVISIONS

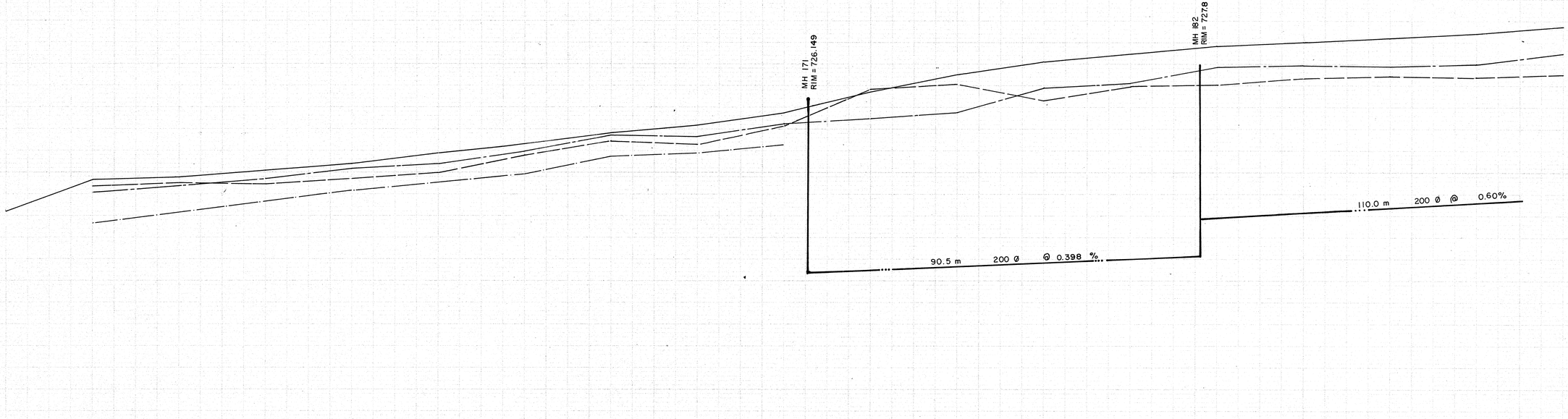
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
47th STREET
46th AVE. to 45th AVE.
SHEET ..... OF ..... DWG. No. 2.45





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 91-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NABE 90-04-12

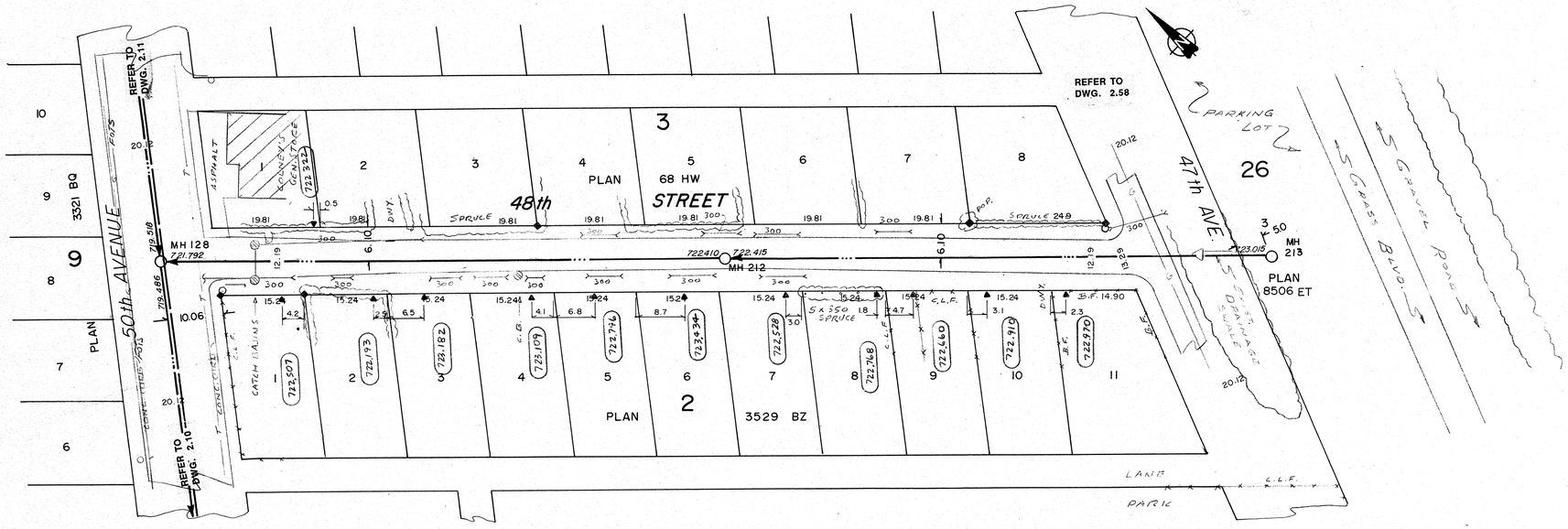
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

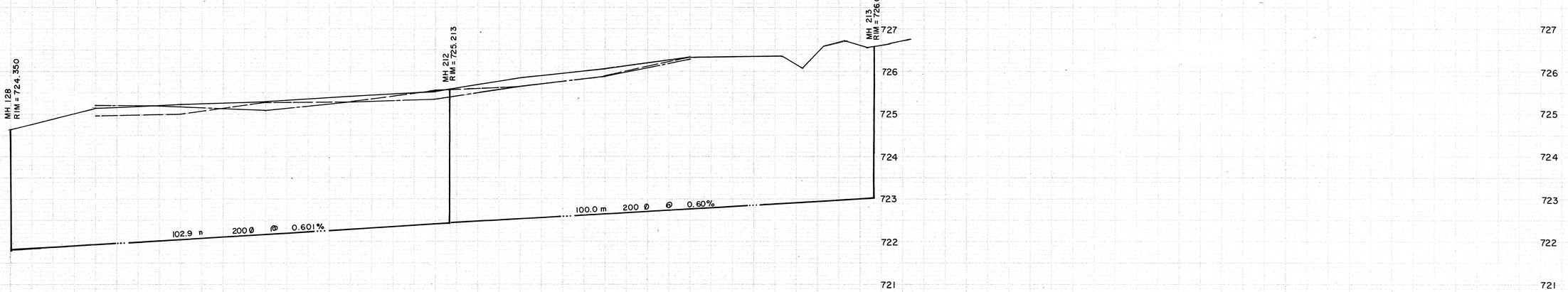
REVISIONS

SCALE HORIZ. 10m 5 0 5 VERT. 1.0m 0.5 0 0.5
PROJECT No. 60-89-1
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
47th STREET
47th AVE. to 46th AVE.
SHEET ..... OF ..... DWG. No. 2.44





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — E. D. NAFF — 90 APRIL

No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED	DF	PM
1	11/90	AS BUILT	DF	PM

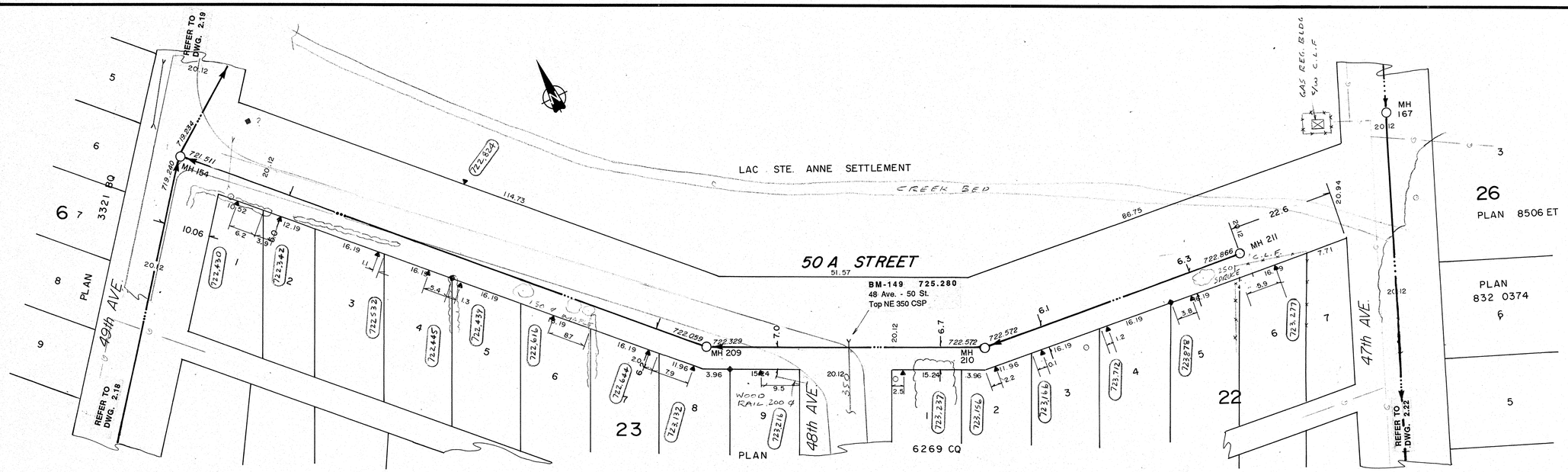
REVISIONS

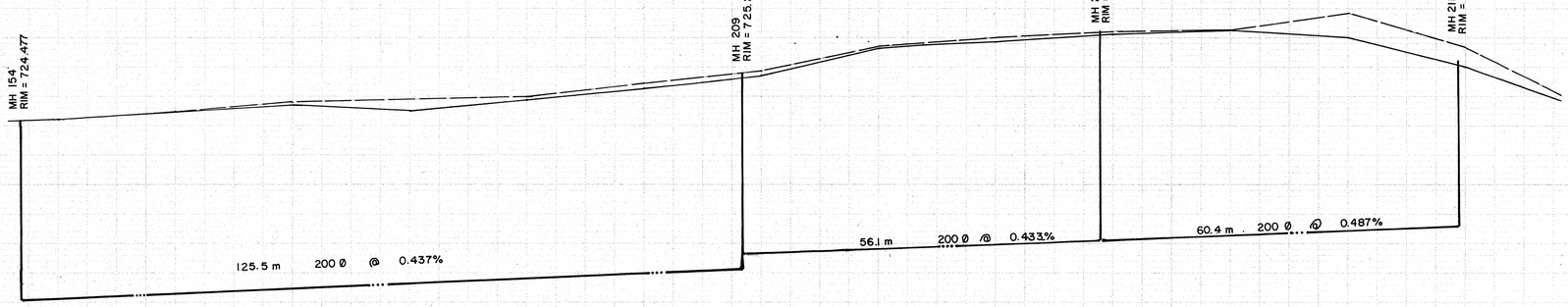
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
48th STREET
50th AVE. to 47th AVE.
SHEET ..... OF ..... DWG. No. 2.43





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-08-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NASE 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

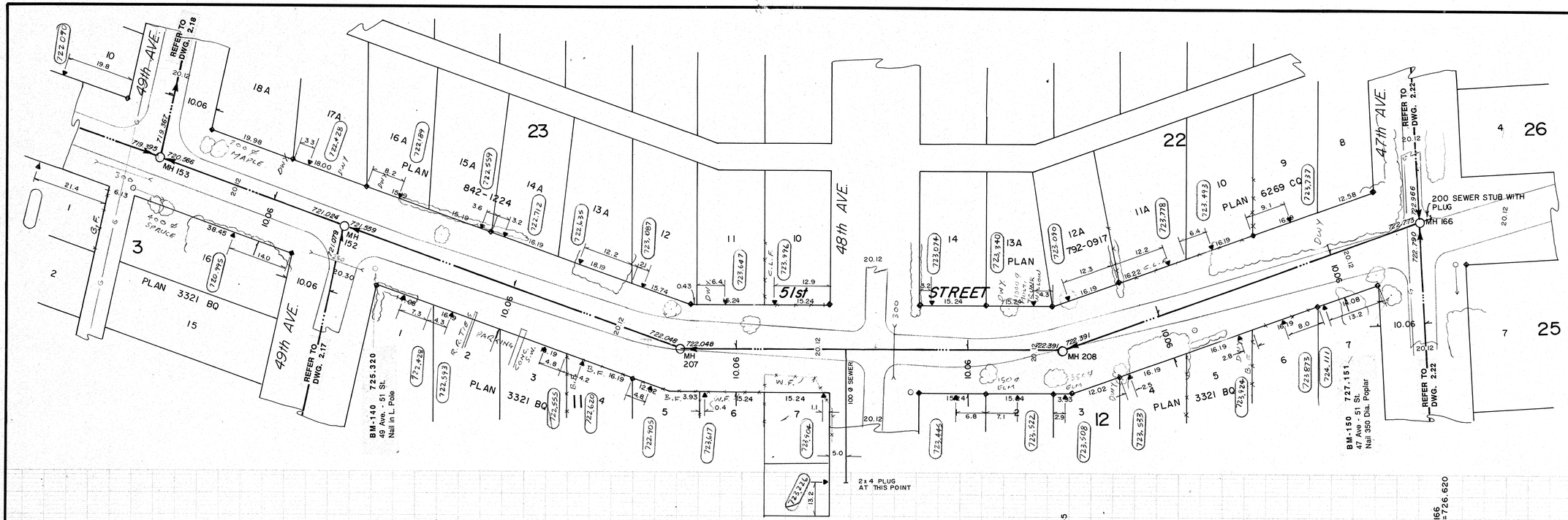
REVISIONS

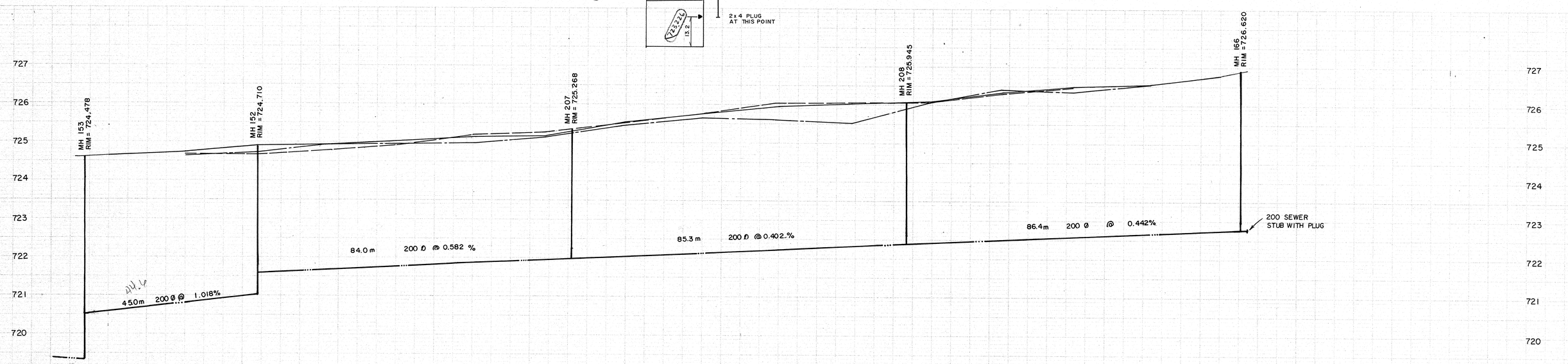
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF YJC
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
50A STREET
49th AVE. to 47th AVE.

SHEET ..... OF ..... DWG. No. 2.42





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NASE 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN

CHECKED BY

PROJECT No. 60-89-1

DRAWN BY DFF YJC

DATE MAR., 1990

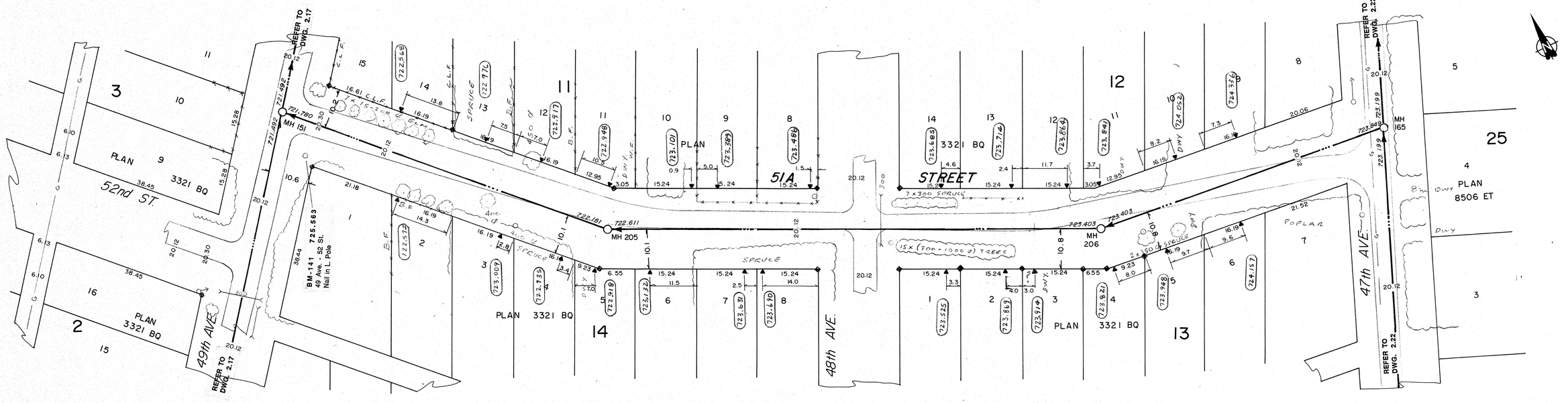
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

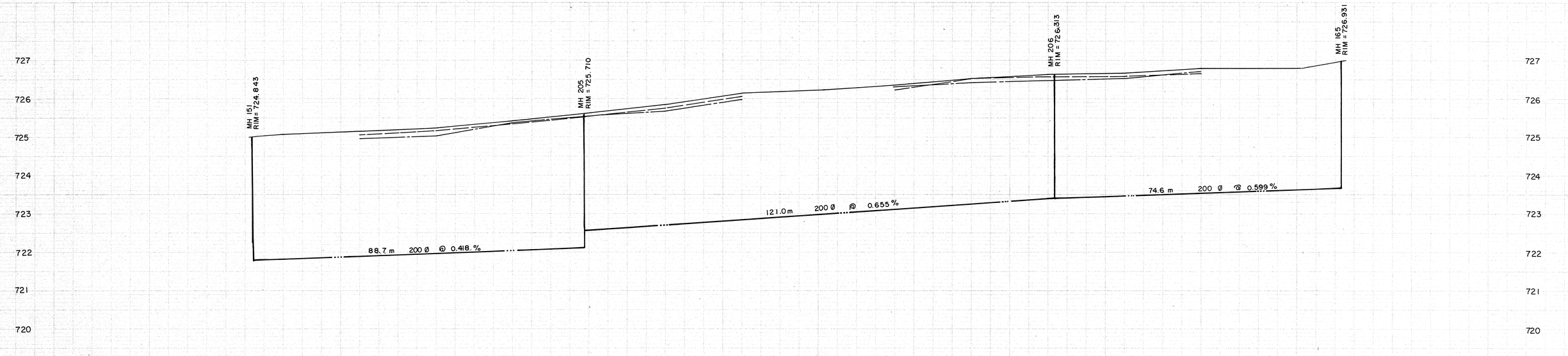
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

51st STREET
49th AVE. to 47th AVE.

SHEET ..... OF ..... DWG. No. 2.41





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91.04.08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-09-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — D. NAGY — 90-09-17

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF YJC

CHECKED BY

DATE MAR., 1990

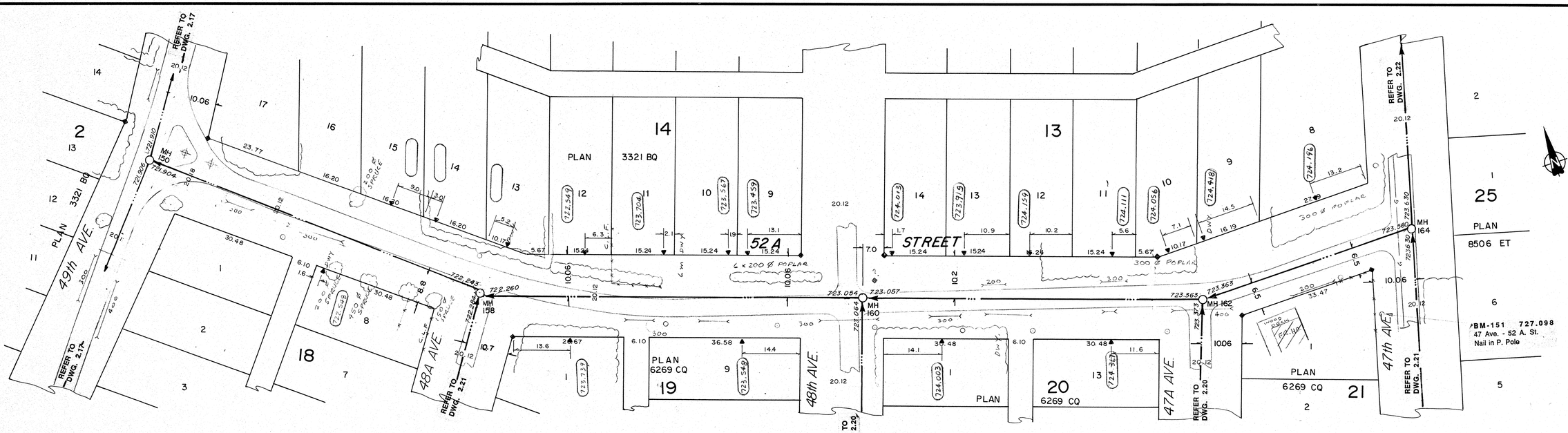
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

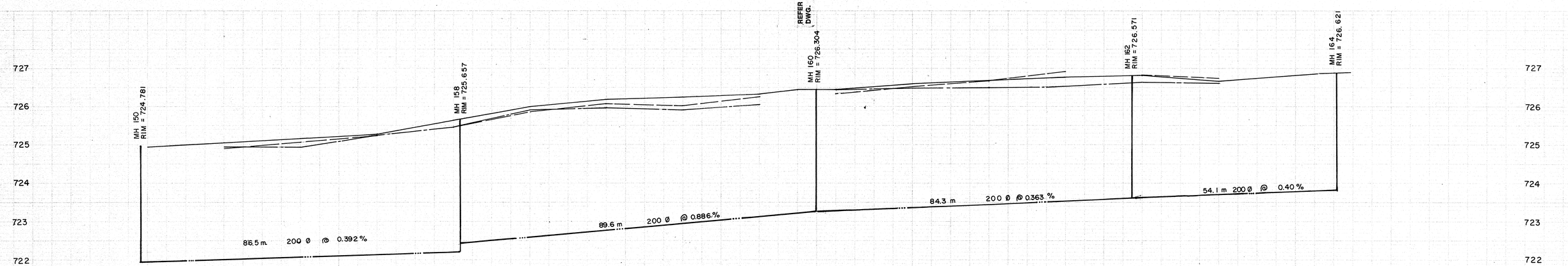
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM

51A STREET
49th AVE. to 47th AVE.

SHEET ..... OF ..... DWG. No. 2.40





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-09-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — E. D. NAFF — 90-09-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF YJC

CHECKED BY

DATE MAR., 1990

SIEMENS

SIEMENS ENGINEERING SERVICES LTD.

CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-01-08
REVIEWED BY:

NOTES:

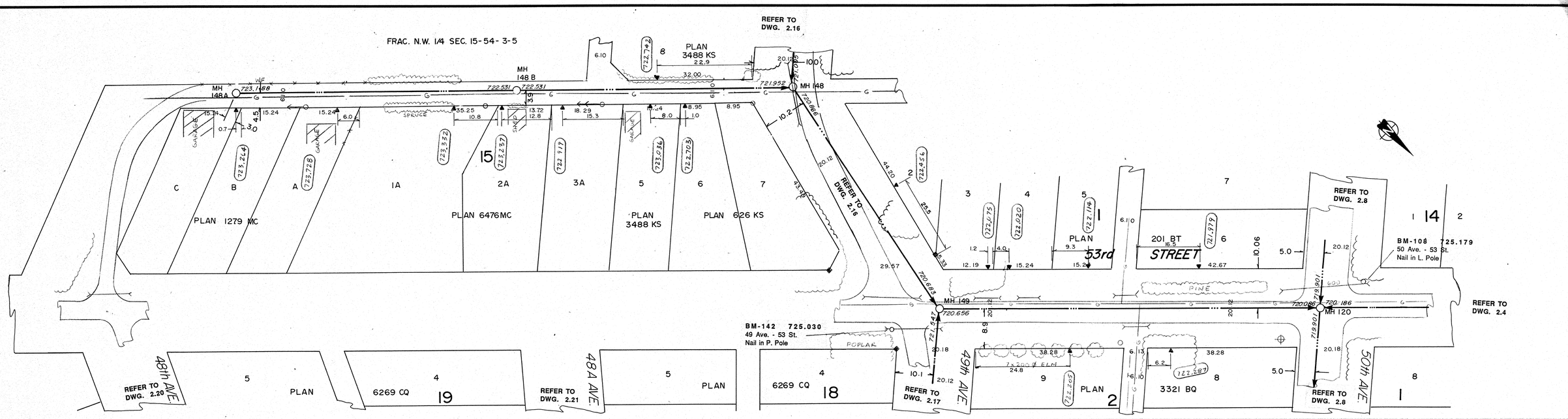
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

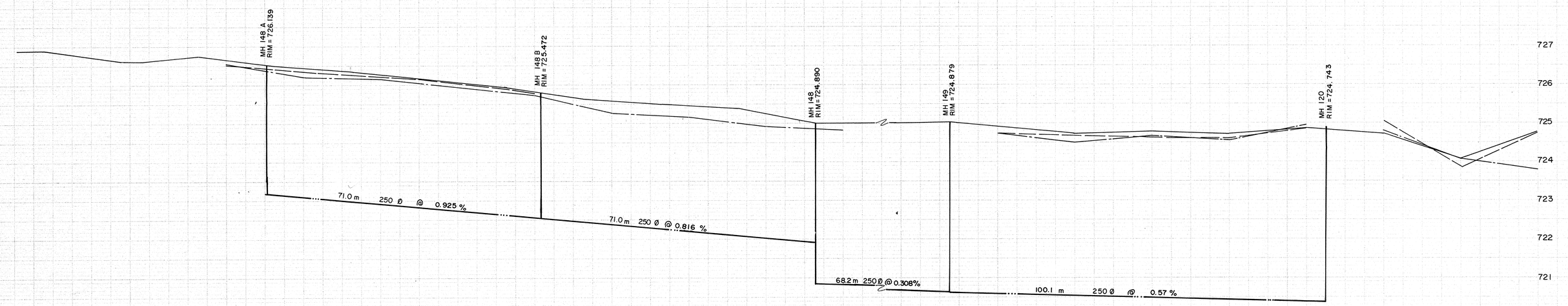
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

52A STREET
49th AVE. to 47th AVE.

SHEET ..... OF ..... | DWG. No. 2.39





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NABER 04

No.	DATE	DESCRIPTION	BY	APP
3	05/92	REVISED AS BUILT	DF	PM
2	11/90	AS BUILT	DF	PM
1	1990 05 23	ADDITIONAL MANHOLE	DF	EN

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990

PROJECT No. 60-89-1

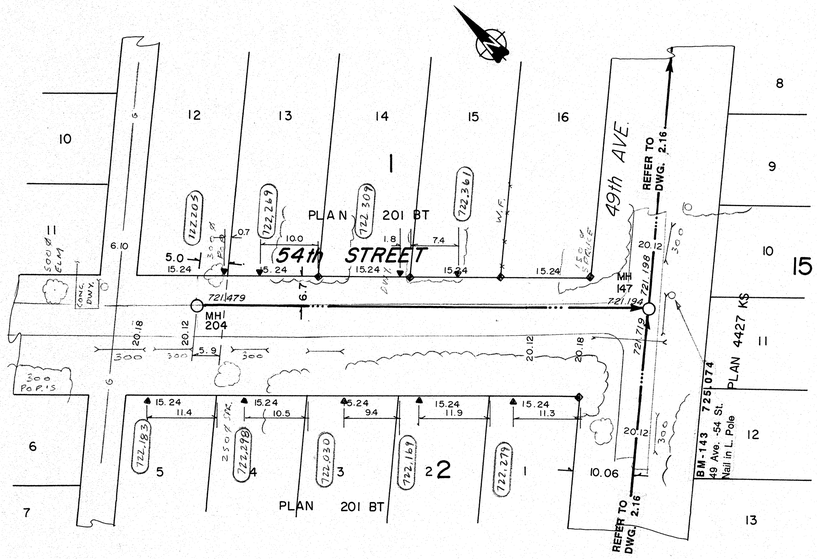
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

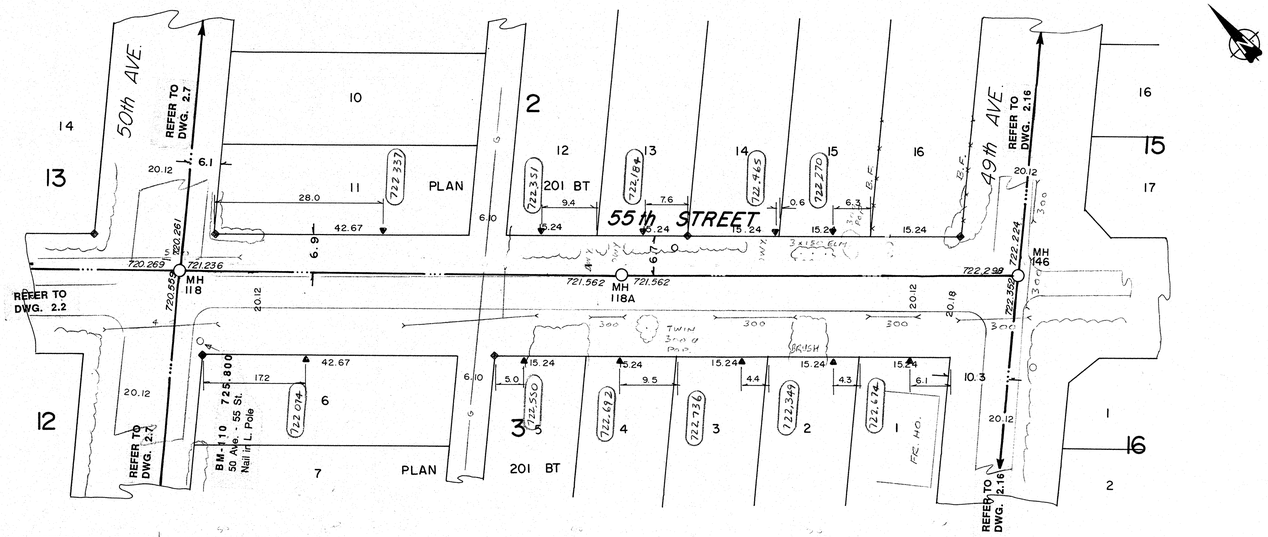
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

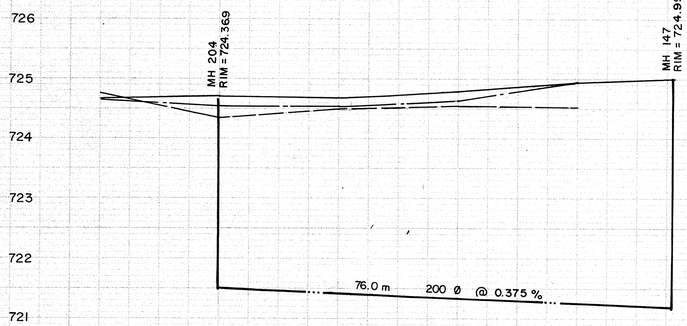
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM

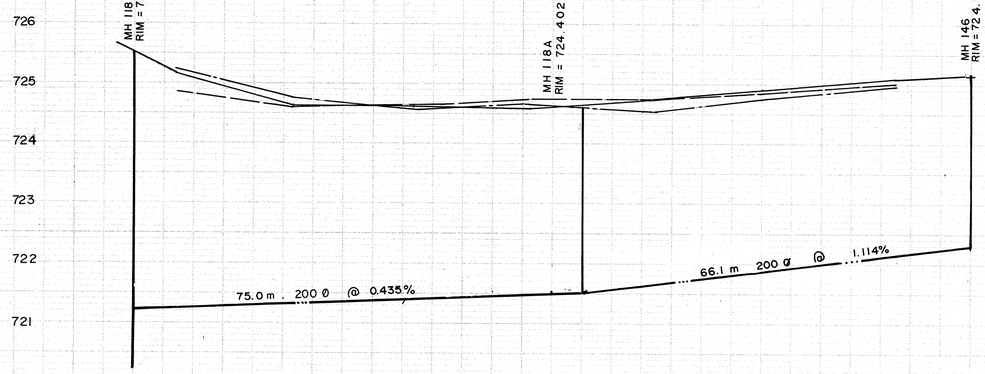
53rd STREET AND NORTH LANE
48th AVE. to 50th AVE.

SHEET ..... OF .....
DWG. No. 2.38









SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
2	11/90	AS BUILT	DF	PM
1	1990 05 23	ADDITIONAL MANHOLE	DF	EN

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

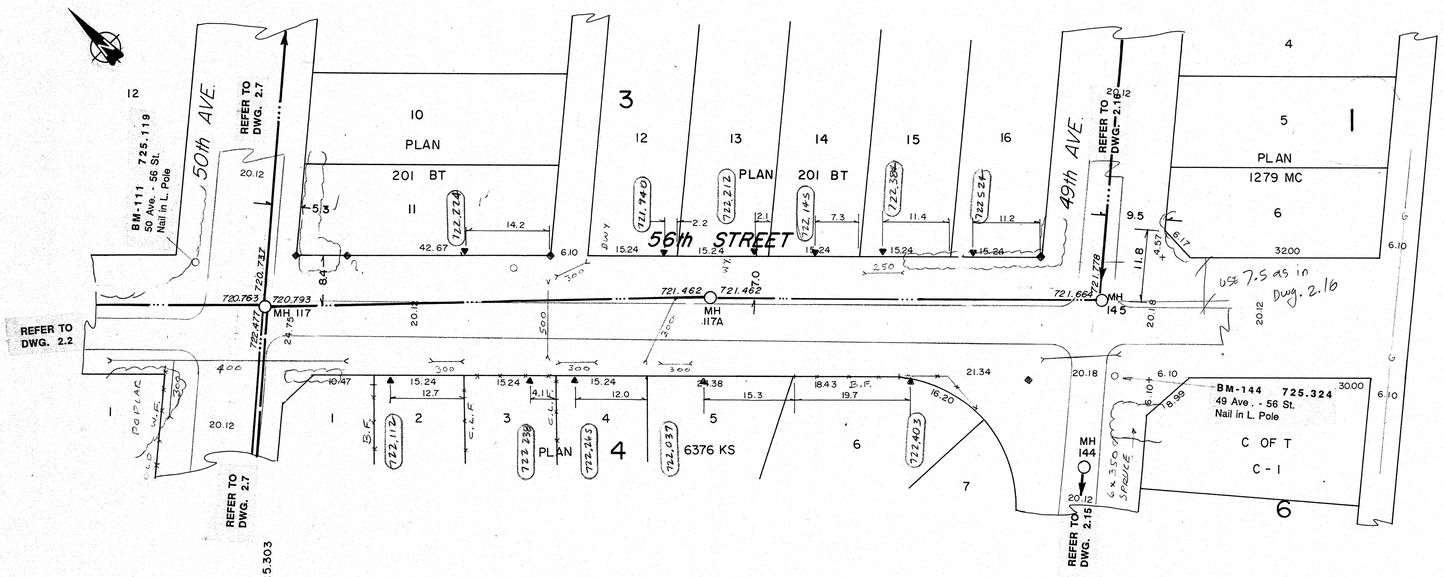
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

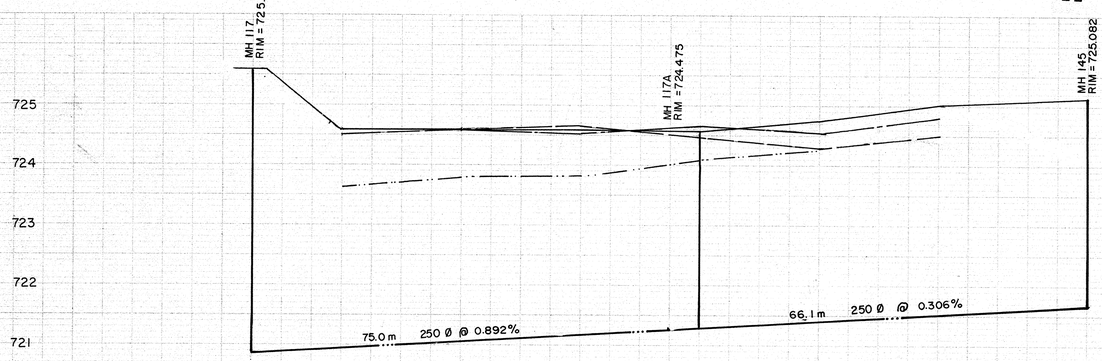
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM

55th STREET
50th AVE. to 49th AVE.

54th STREET
49th AVE. NORTH TO LANE

SHEET ..... OF ..... DWG. No. 2.37





LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (150 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER E. D. NABE 90-04-12 ALBERTA

No.	DATE	DESCRIPTION	BY	APP
2	11/90	AS BUILT	DF	PM
1	1990 05 23	ADDITIONAL MANHOLE	DF	EN

REVISIONS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

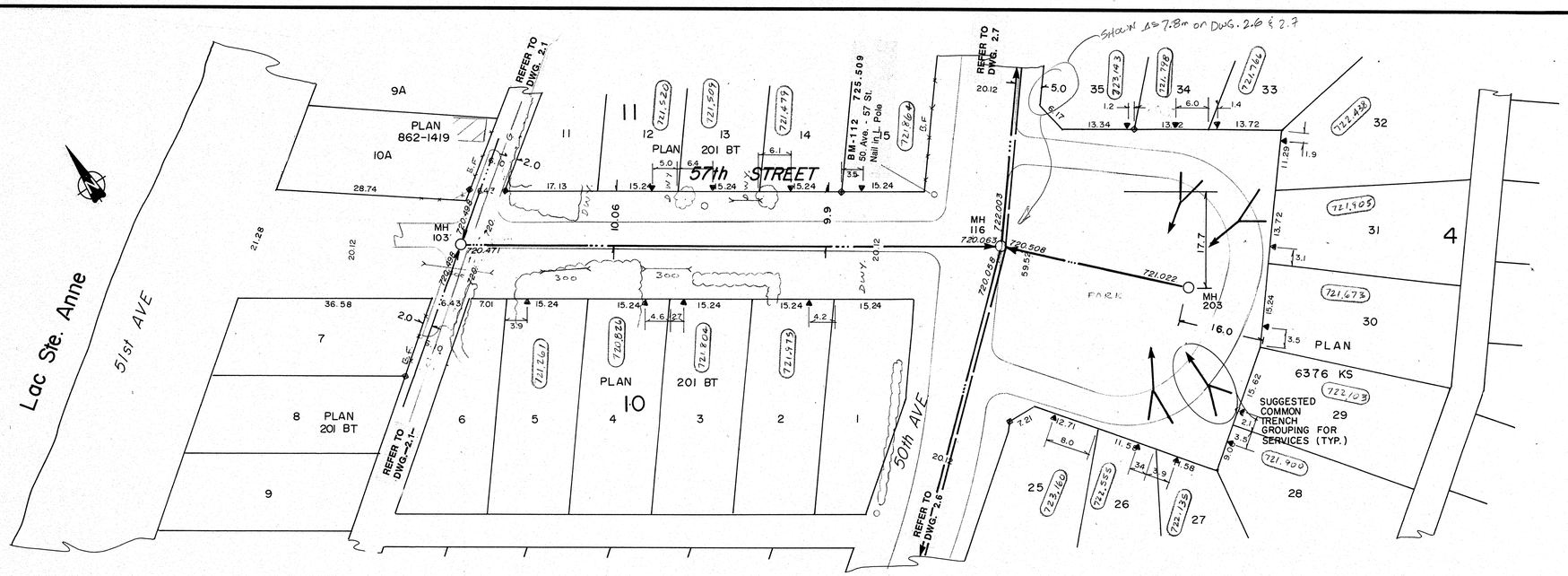
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

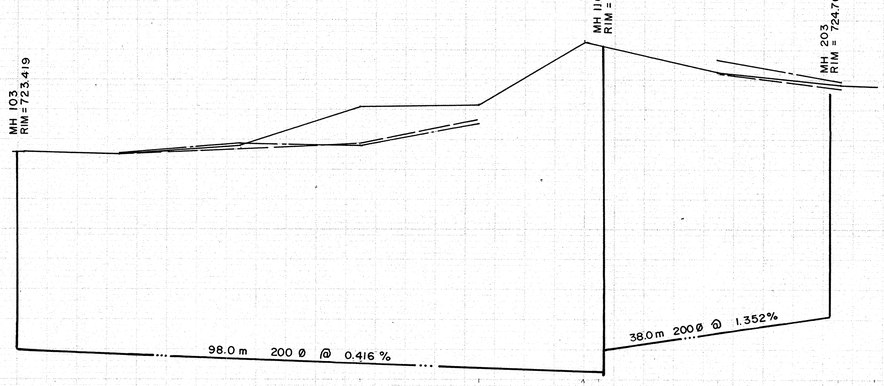
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF YJC
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
56th STREET
50th AVE. to 49th AVE.

SHEET ..... OF ..... DWG. No. 2.36





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (150 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- SERVICE CONNECTION
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NASE

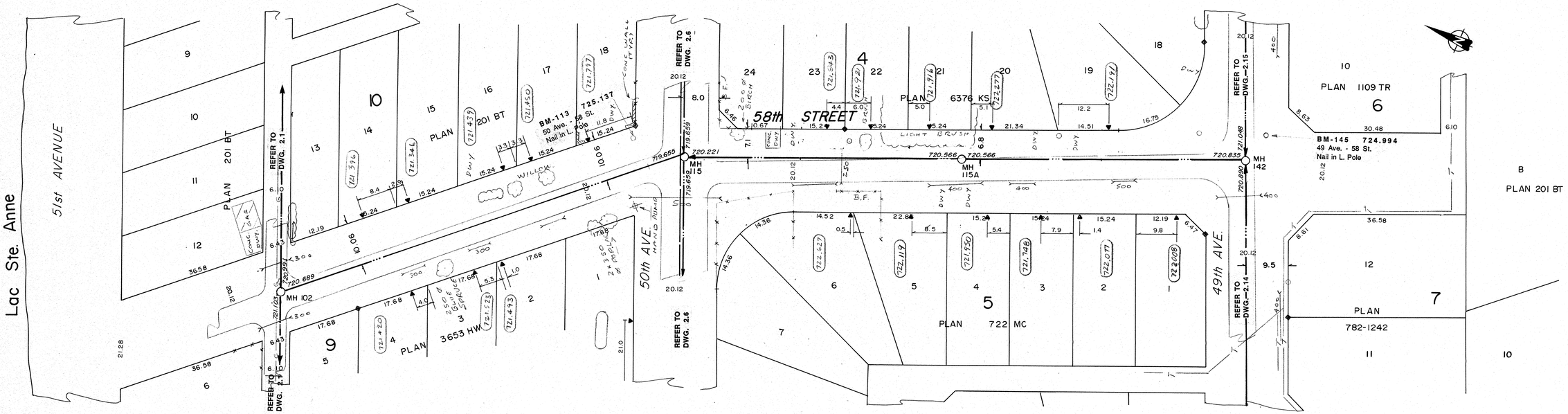
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

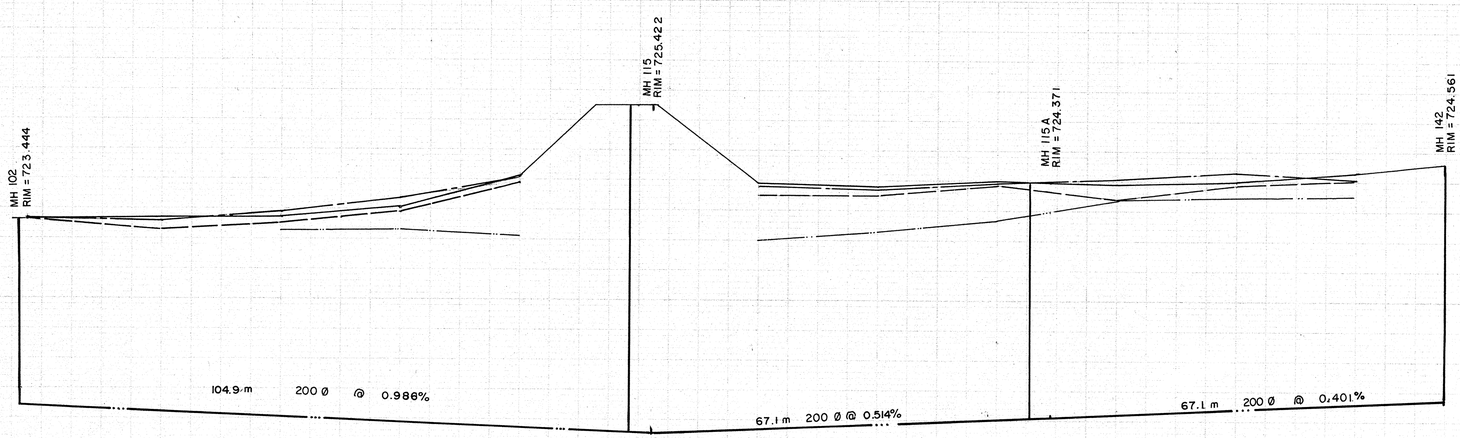
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
57th STREET
SHEET ..... OF ..... DWG. No. 2.35





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (150 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NASH 90-04-12

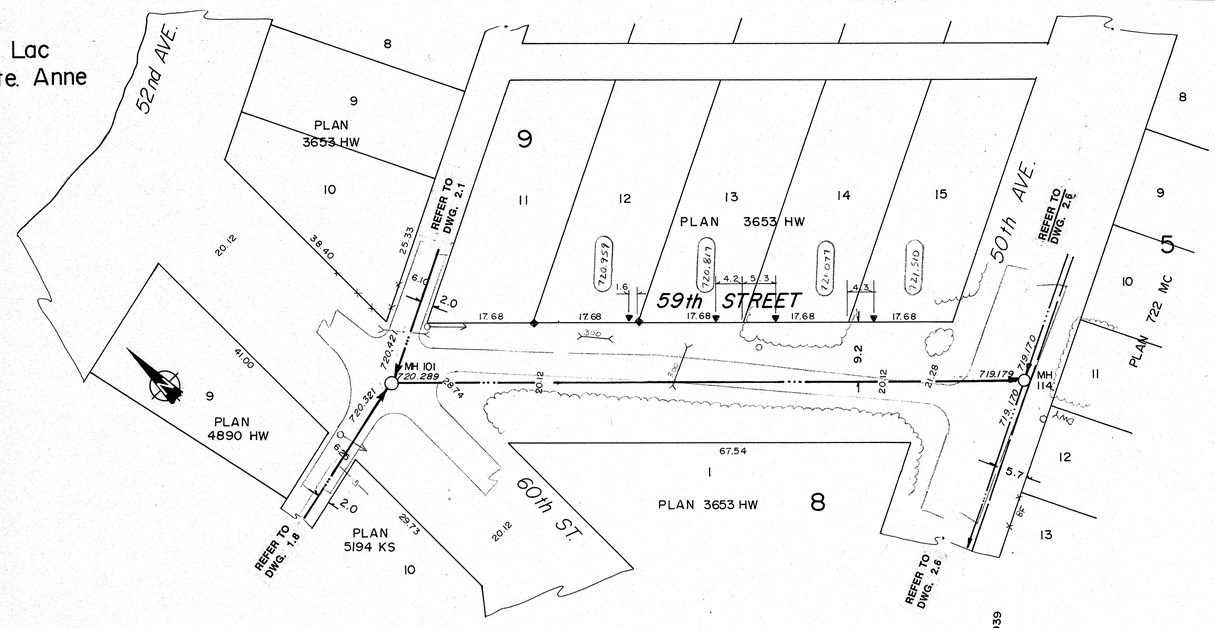
No.	DATE	DESCRIPTION	BY	APP
2	11/90	AS BUILT	DF	PM
1	1990 05 23	ADDITIONAL MANHOLE	DF	EN

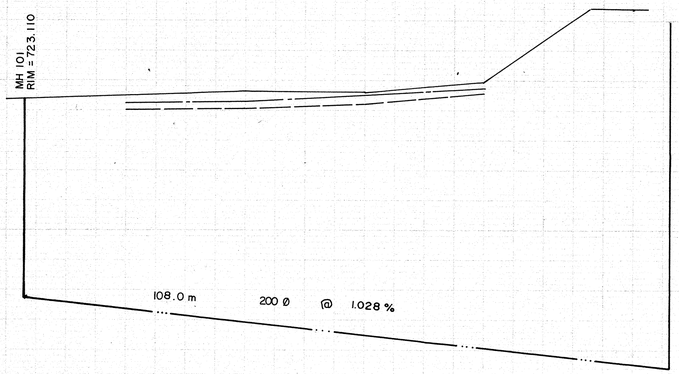
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF YJC
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
58th STREET
51st. AVE(LANE) to 49th AVE
SHEET ..... OF ..... DWG. No. 2.34





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (150 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-09-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER — E. D. NASH — 90-09-12 — ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF YJC

CHECKED BY

DATE MAR., 1990

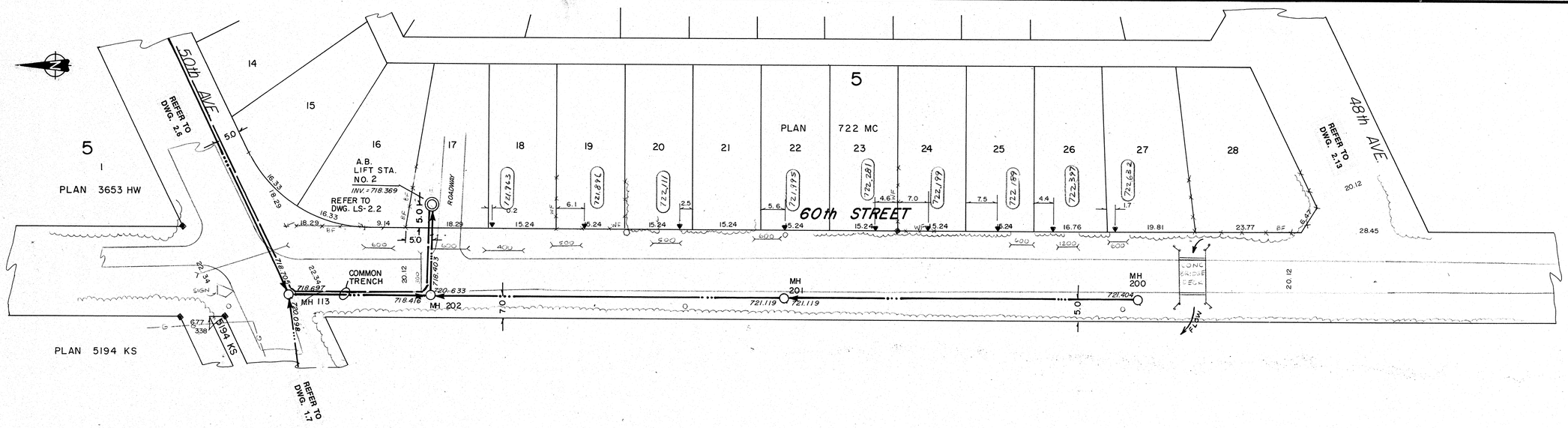
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

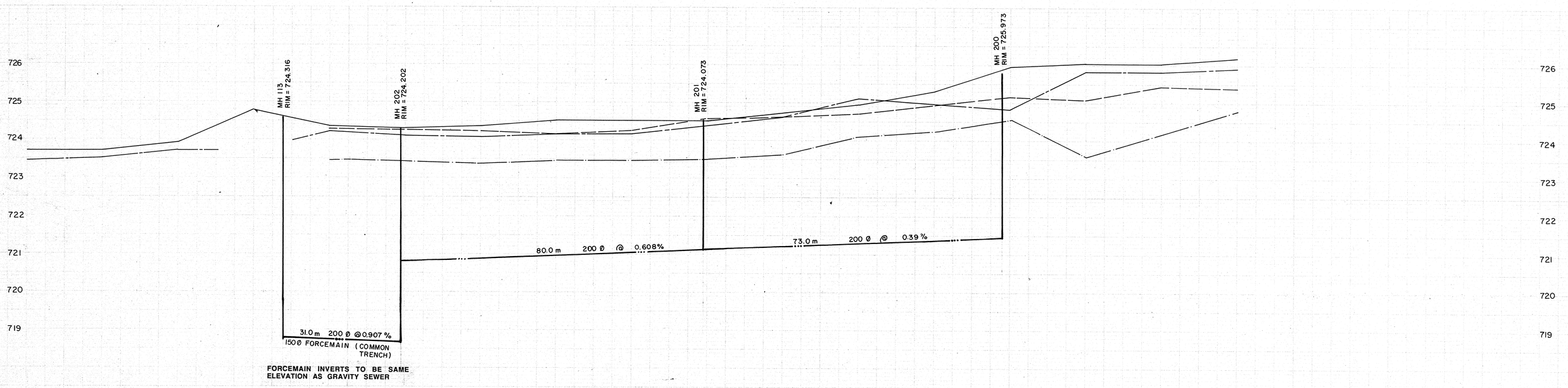
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

59th STREET
50th AVE. NORTHERLY

SHEET ..... OF ..... DWG. No. 2.33





FORCEMAIN INVERTS TO BE SAME ELEVATION AS GRAVITY SEWER

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (150 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NASH 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SCALE HORIZ. 10m 5 0 5 / VERT. 1.0m 0.5 0 0.5	PROJECT No. 60-89-1
DESIGNED BY EDN	DRAWN BY DFF YJC
CHECKED BY	DATE MAR., 1990

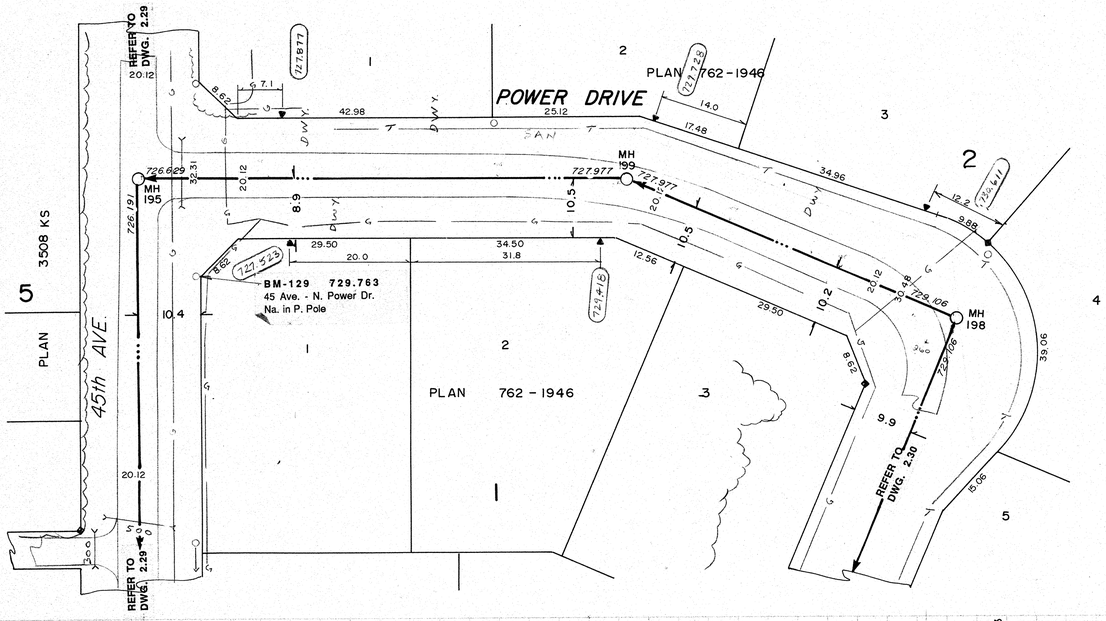
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

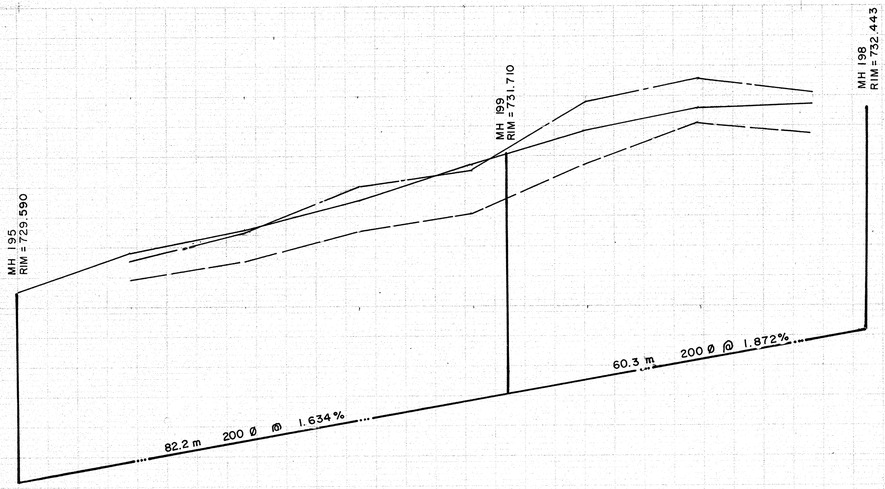
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

60th STREET
50th AVE. to 48th AVE.

SHEET ..... OF ..... DWG. No. 2.32





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-08-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NABE

No.	DATE	DESCRIPTION	BY	APP
2	05/92	AS BUILT REVISED	DF	PM
1	11/90	AS BUILT	DF	PM

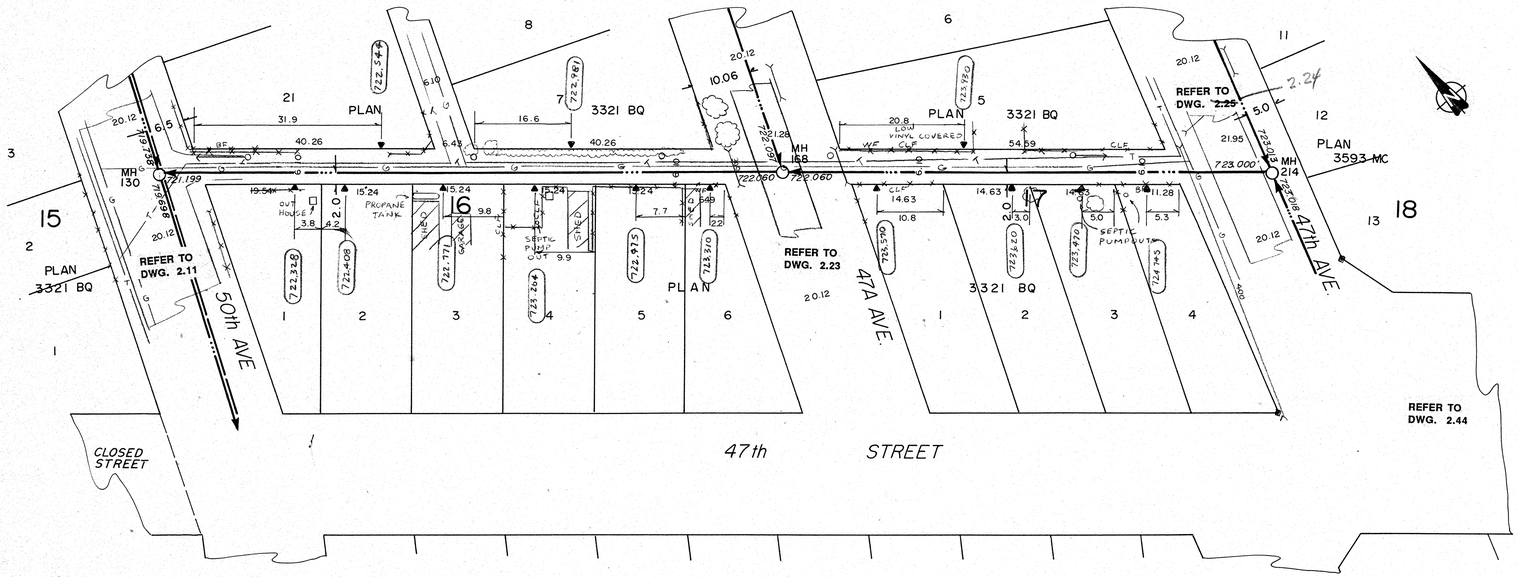
REVISIONS

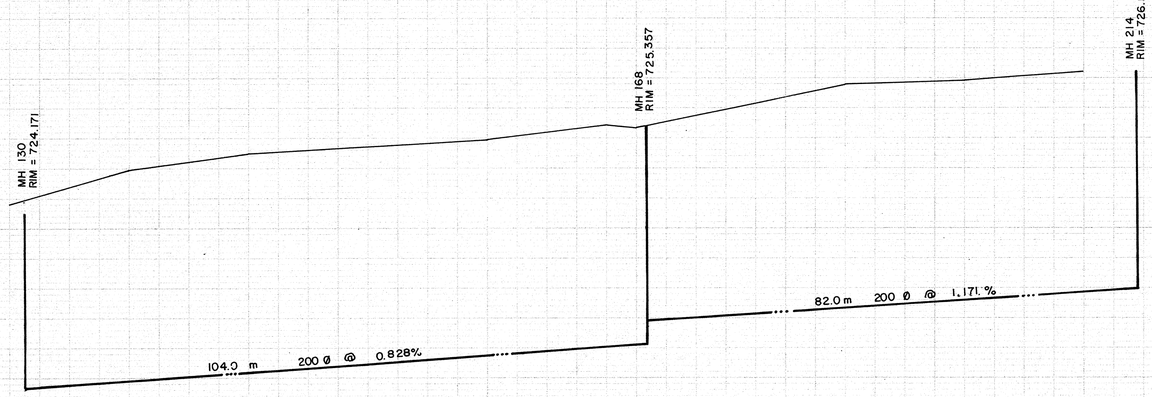
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

PROJECT No. 60-89-1
DESIGNED BY EDN
DRAWN BY DFF YJC
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM
POWER DRIVE
SHEET ..... OF ..... DWG. No. 2.31





727
726
725
724
723
722
721

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (300 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 91-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

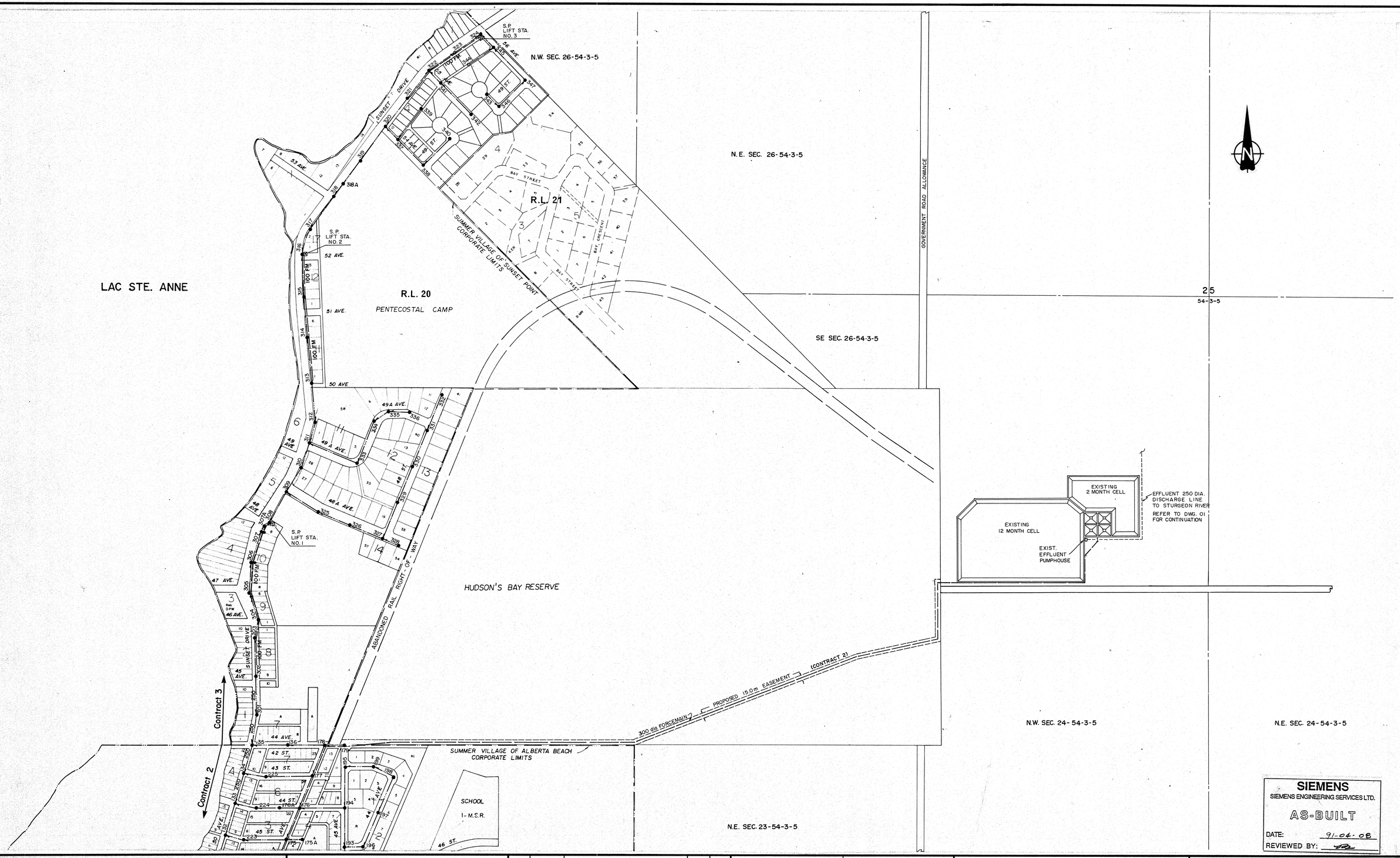
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF ALBERTA BEACH
SEWAGE COLLECTION SYSTEM

LANE NORTH OF 47th STREET
50th AVE. to 47th AVE.

SHEET ..... OF ..... DWG. No. 2.59



SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

LEGEND

135 — GRAVITY SEWER, MANHOLE WITH NUMBER, AND DIRECTION OF FLOW

— — — SEWAGE FORCEMAIN

GRAVITY SEWER IS 200 DIA. UNLESS SHOWN OTHERWISE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NABE 90-04-17

No.	DATE	DESCRIPTION	BY	APP
2	11/90	AS BUILT	DF	PM
1	1990 05 23	ADDITIONAL MANHOLES	DF	EN

REVISIONS

SCALE 150m 100 50 25 0 50m

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF

CHECKED BY

DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

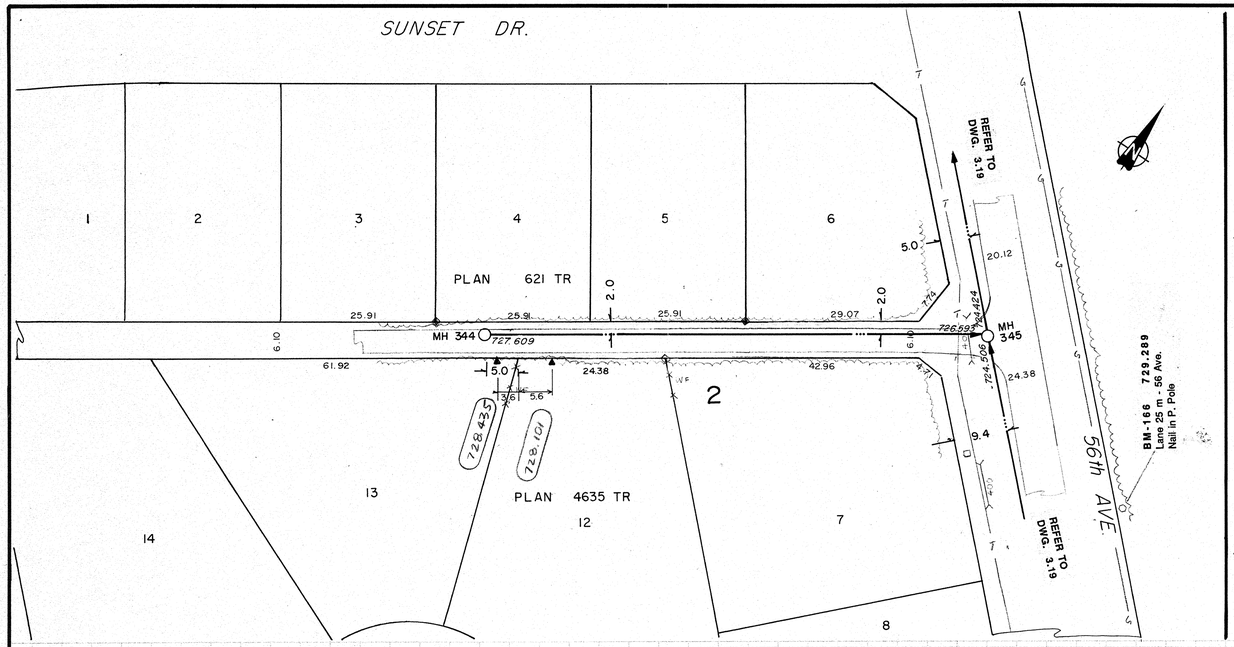
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

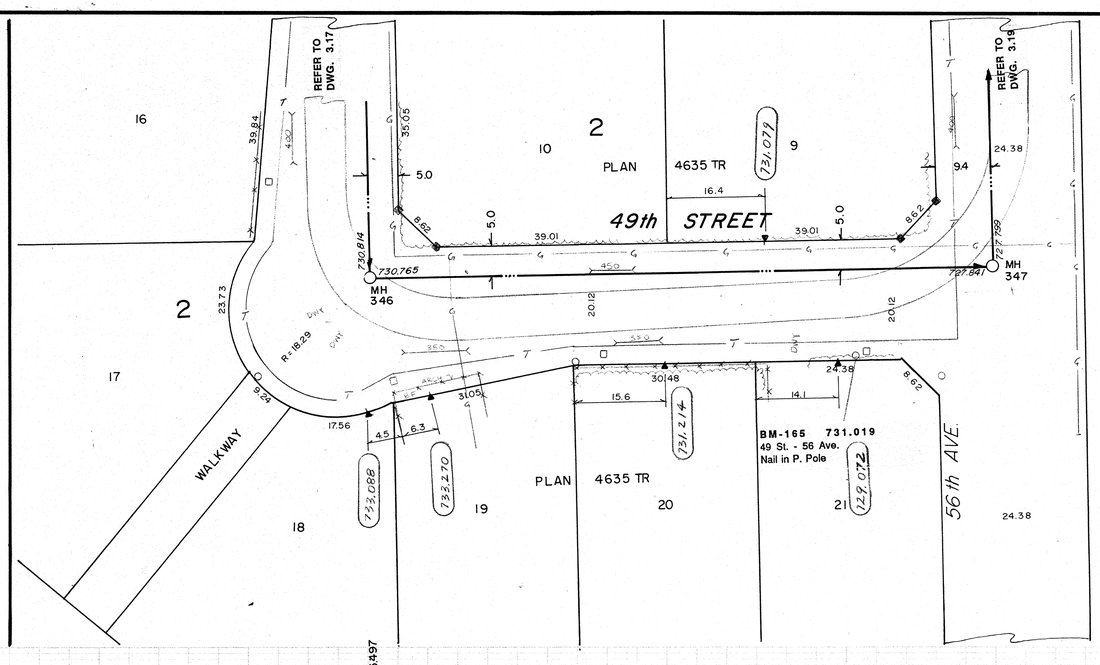
SUMMER VILLAGE OF SUNSET POINT

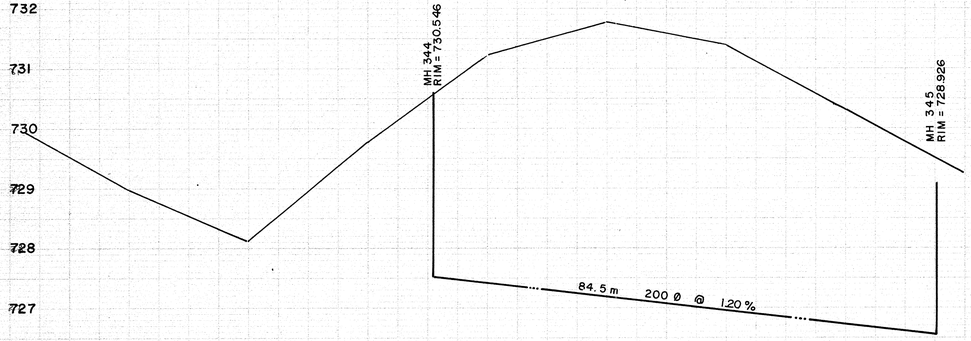
SEWAGE COLLECTION SYSTEM

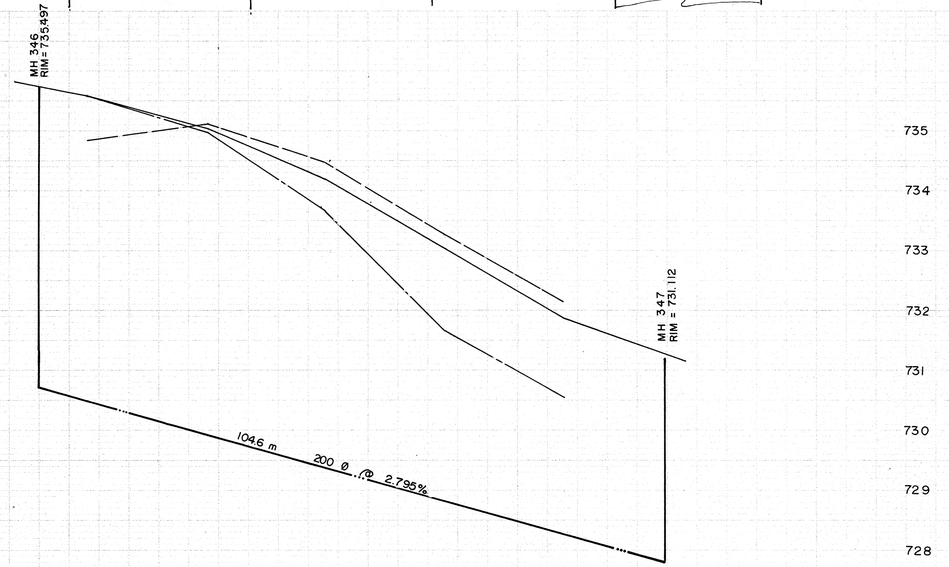
OVERALL PLAN

SHEET ..... OF ..... DWG. No. 03









NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2398
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — E. D. NABE — 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

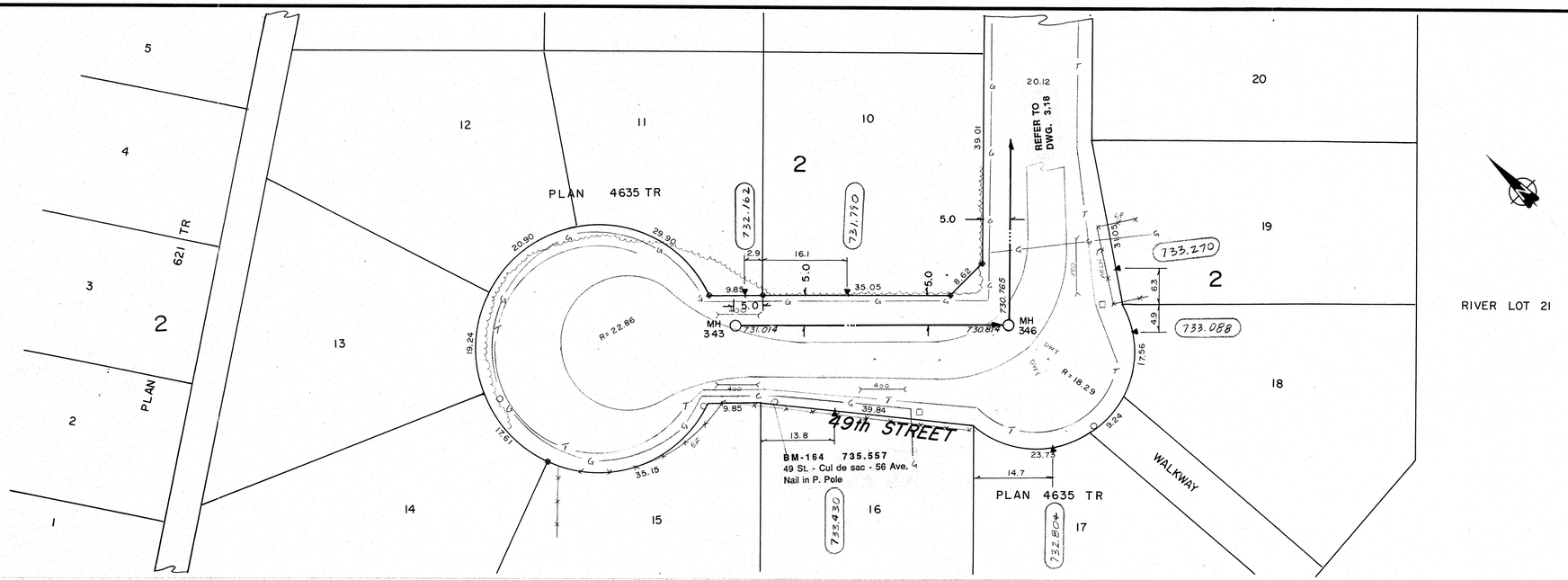
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

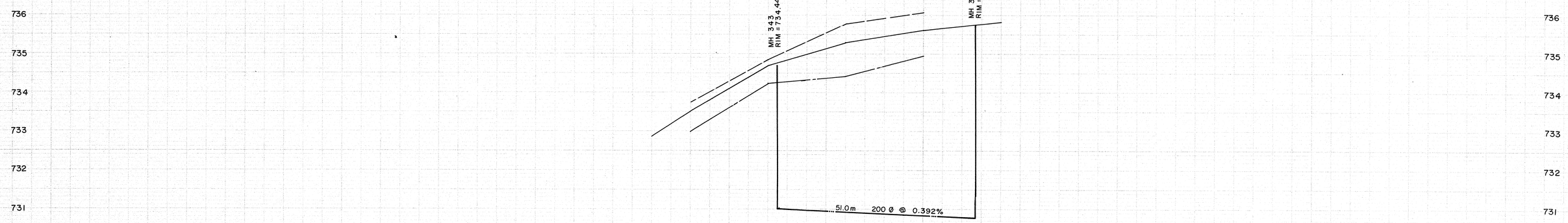
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT SEWAGE COLLECTION SYSTEM
49TH STREET
CUL-DE-SAC to 56 AVE. & LANE OFF 56 AVE.

SHEET ..... OF ..... DWG. No. 3.18





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- SERVICE CONNECTION
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT SEWAGE COLLECTION SYSTEM
39TH STREET

SHEET ..... OF ..... DWG. No. 3.17

Lac Ste. Anne

PLAN 8 2060 MC

1

R1 PARK

R2 PLAN 621 TR

SUNSET DR. ROAD PLAN 7204 KS

REFER TO DWG. 3.8

REFER TO DWG. 3.7

ROAD

2 PLAN 621 TR

1

3

4

55th AVENUE

PLAN 2060 MC

1

2

PLAN 4635 TR

14 15 16 17 18 19 20 21 22 23 24

WALKWAY

LOT R1 RESERVE

RIVER LOT 21

MH 322

MH 341

MH 342

727.106

728.492

730.330

729.942

730.030

724.188

725.156

725.198

729.450

20.12

12.19

8.34

5.0

3.42

6.30

3.7

6.10

38.0

35.0

53.91

56.39

39.62

50.42

45.72

33.90

16.5

51.82

42.44

140

11.5

27.66

19.52

9.14

53.68

MH 342 RIM = 733.622

MH 341 RIM 729.885

MH 322 RIM = 727.904

729

728

727

726

725

724

1190m ... 200 Ø @ 3.573%

53.0 m ... 200 Ø @ 1.825%

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 91.04.12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER E. D. NABE 90-09-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN

DRAWN BY DFF

CHECKED BY

DATE MAR., 1990

PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION

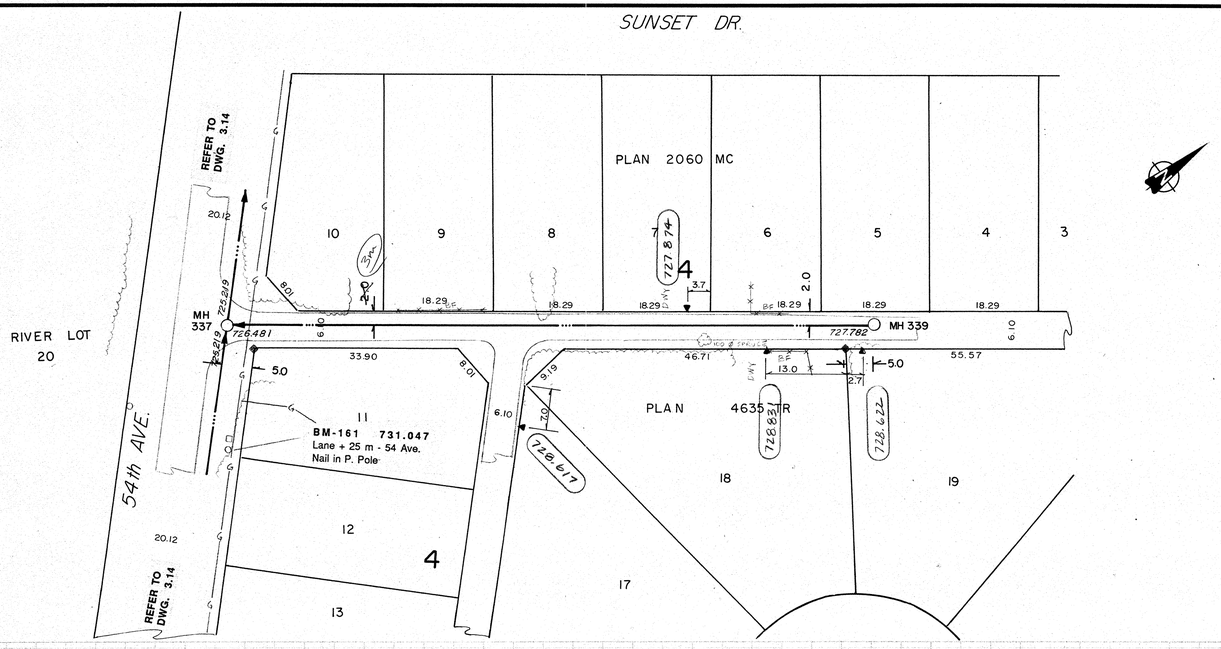
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM

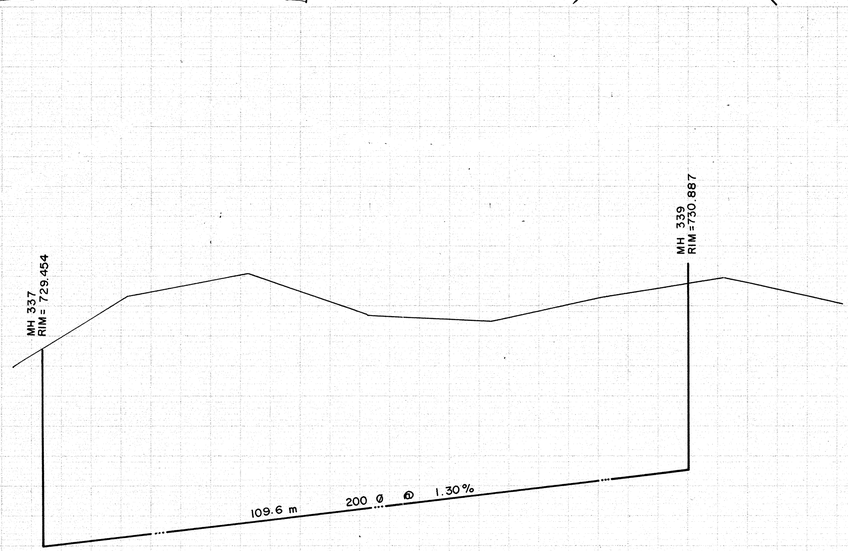
55TH AVENUE

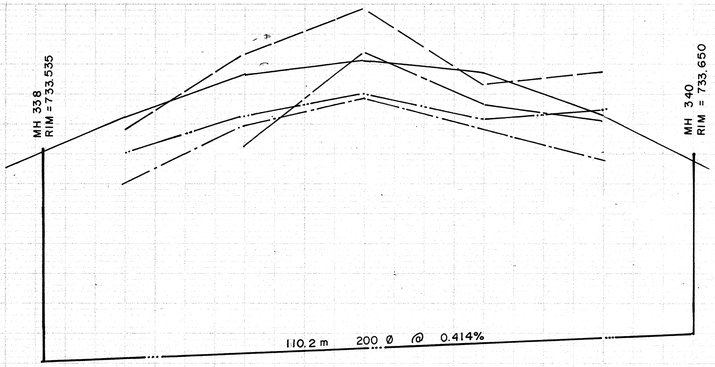
SHEET ..... OF ..... DWG. No. 3.16

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.







SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NAGY 90-04-17

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990

PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

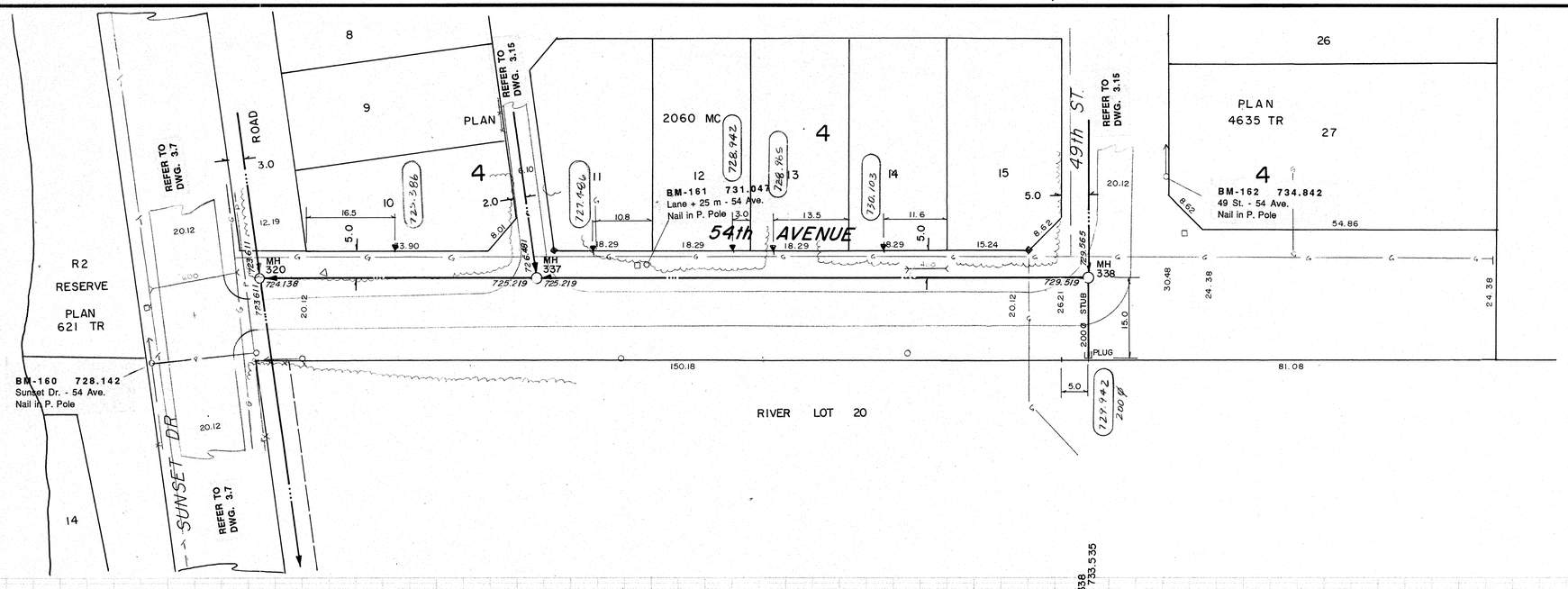
TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT SEWAGE COLLECTION SYSTEM
49th STREET
54th AVE. to CUL-DE-SAC & LANE OFF 54th AVE.

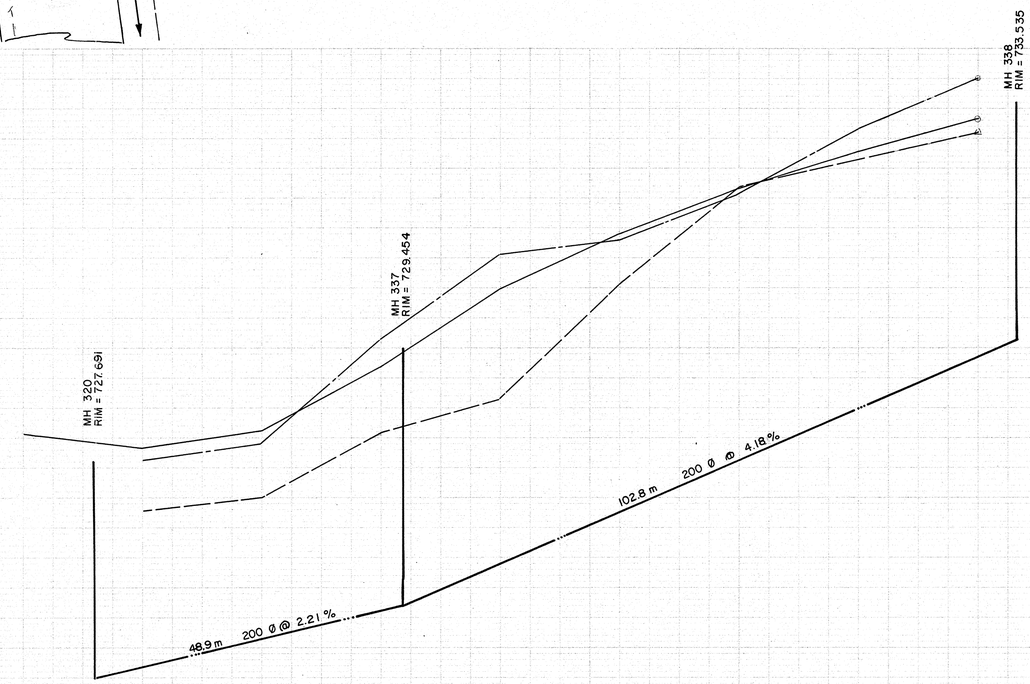
SHEET ..... OF ..... DWG. No. 3.15

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

Lac
Ste. Anne





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 91-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NABE 30 APR 91

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

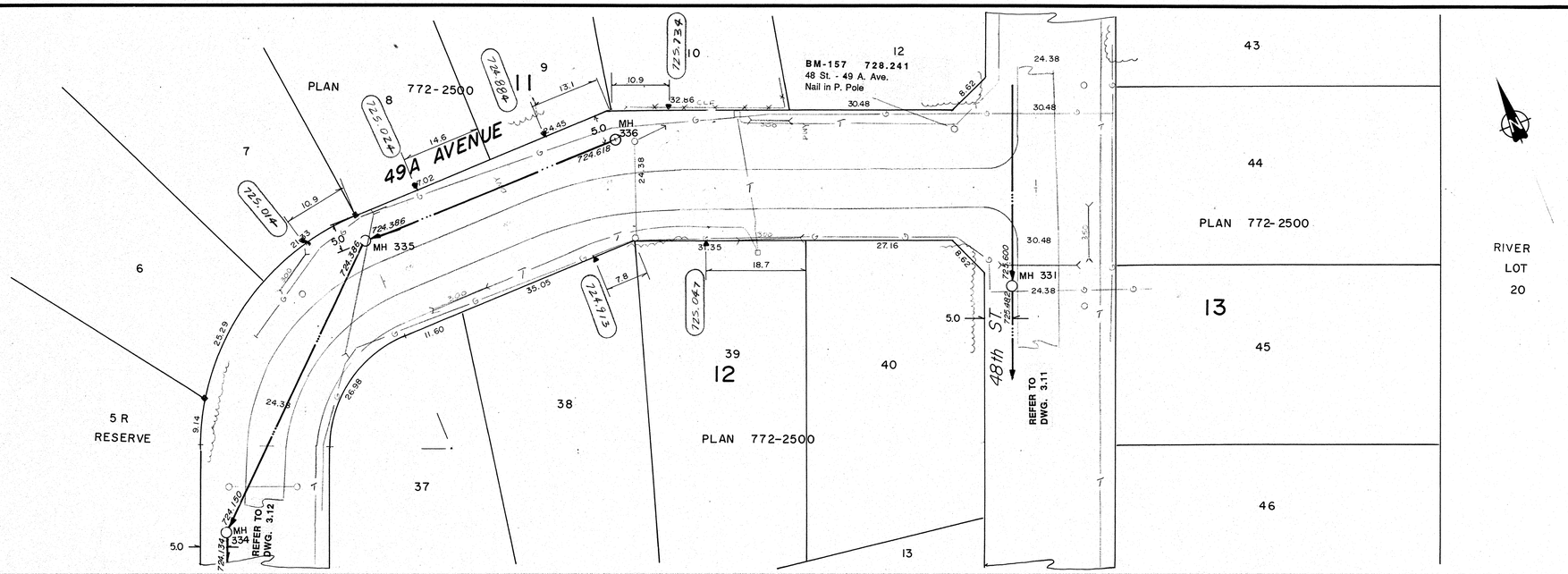
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

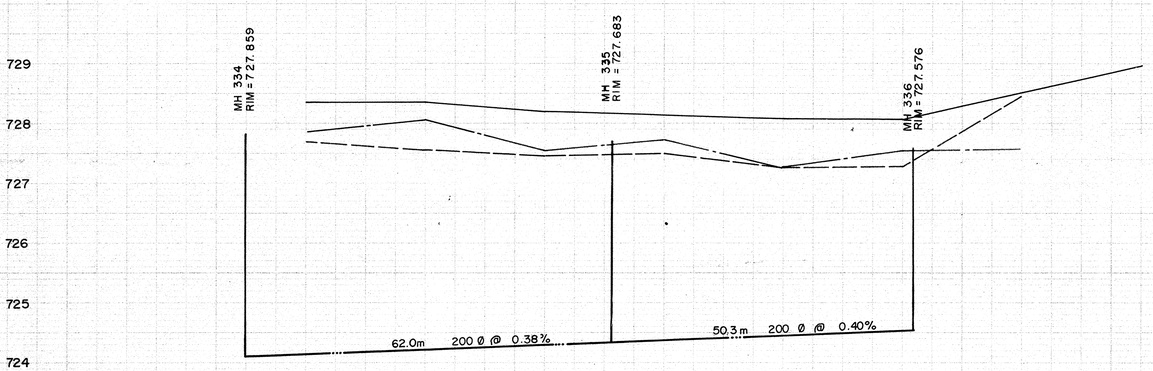
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM
54th AVENUE
SUNSET DRIVE to 49th ST.

SHEET ..... OF ..... DWG. No. 3.14





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E. D. NABE 90 04 12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

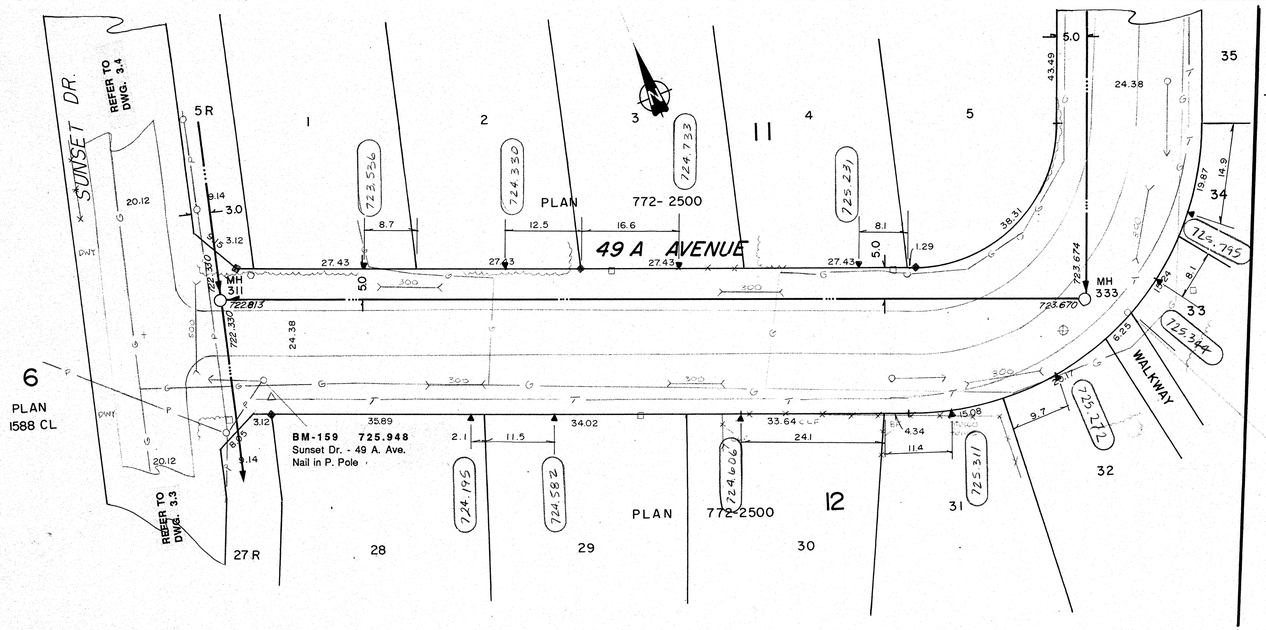
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

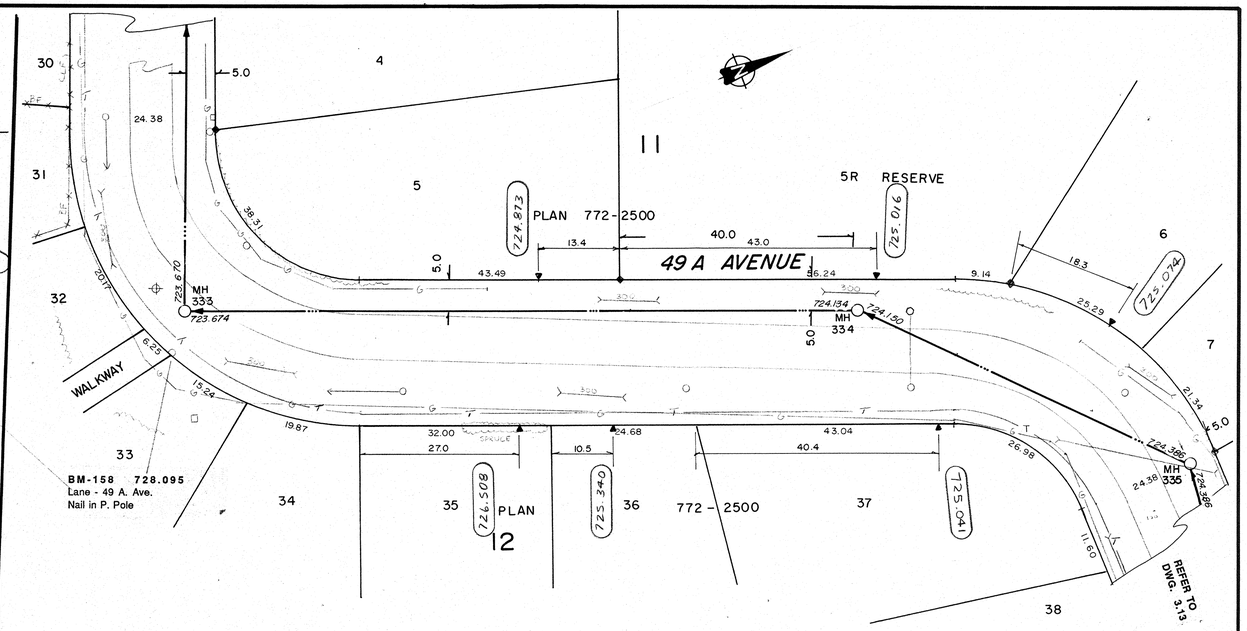
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

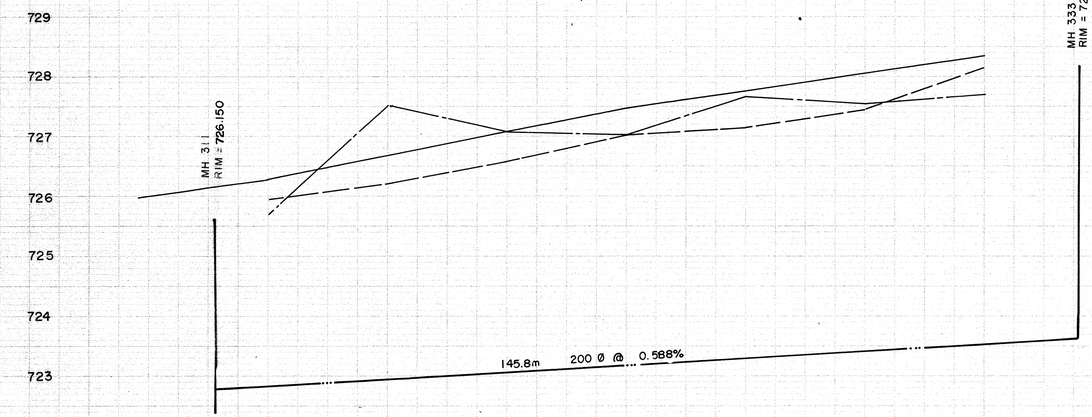
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

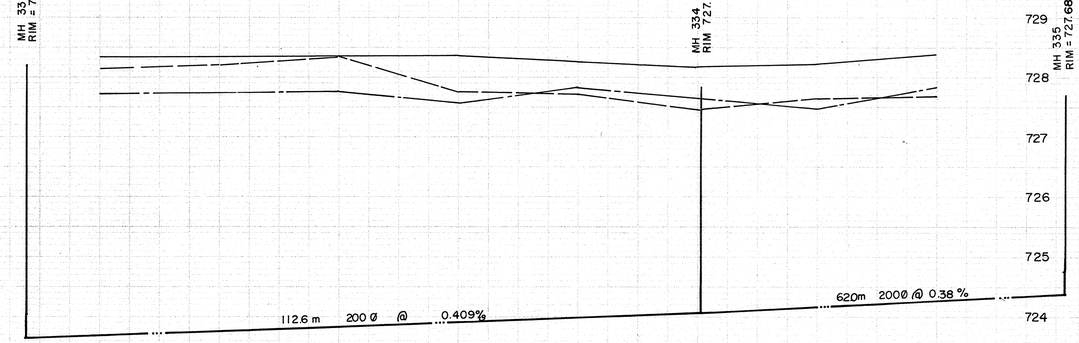
TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM
49A AVENUE
SUNSET DRIVE TO 48th ST.

SHEET ..... OF ..... DWG. No. 3.13









NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 92-04-12
PERMIT NUMBER: P 2398
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — E. D. NABE

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
SCALE VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

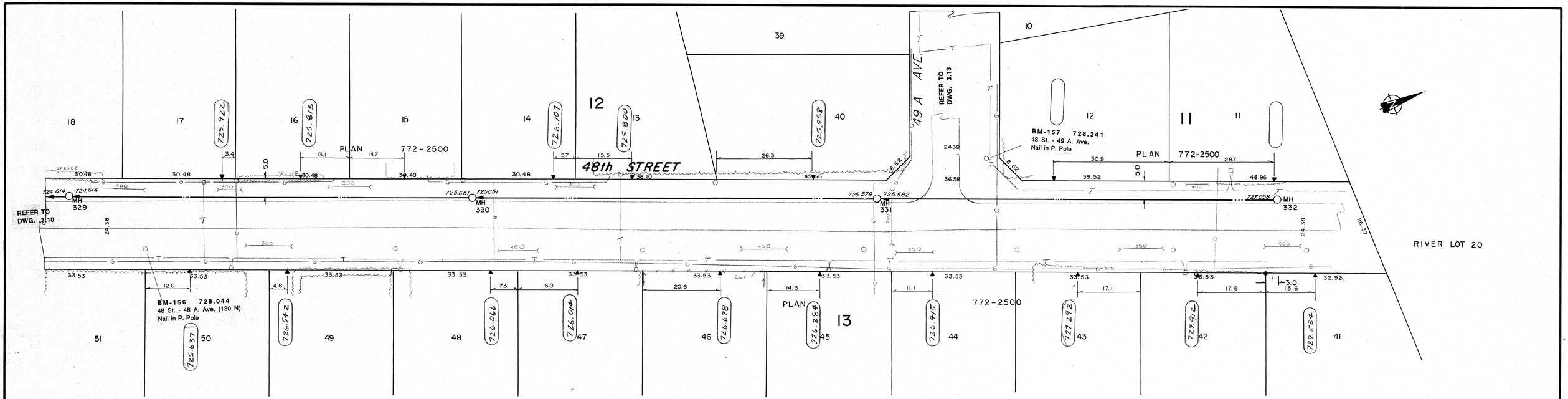
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

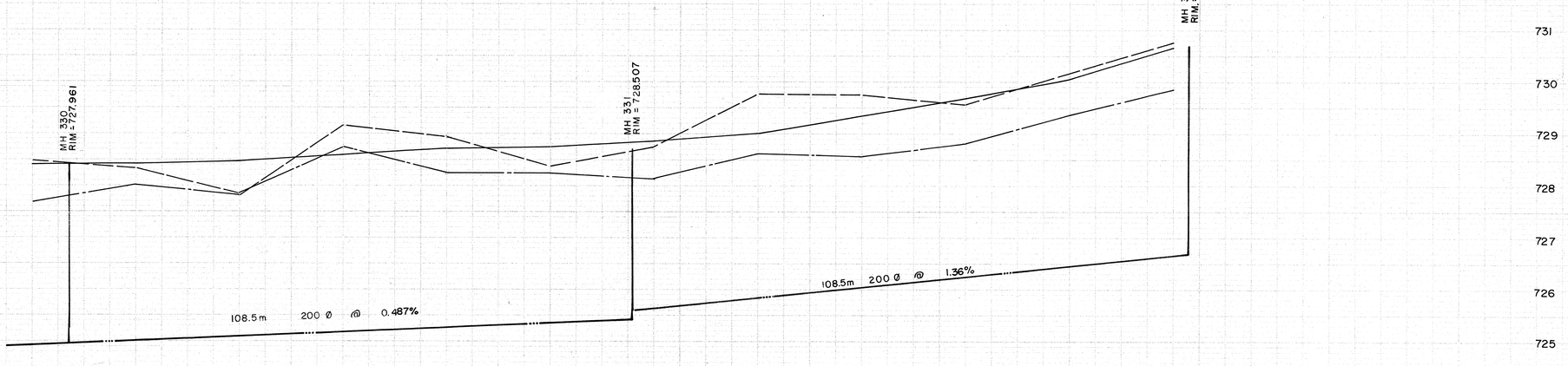
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM

49A AVENUE
SUNSET DRIVE to 48th ST.

SHEET ..... OF ..... DWG. No. 3.12





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — REGISTERED NASE — 04

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

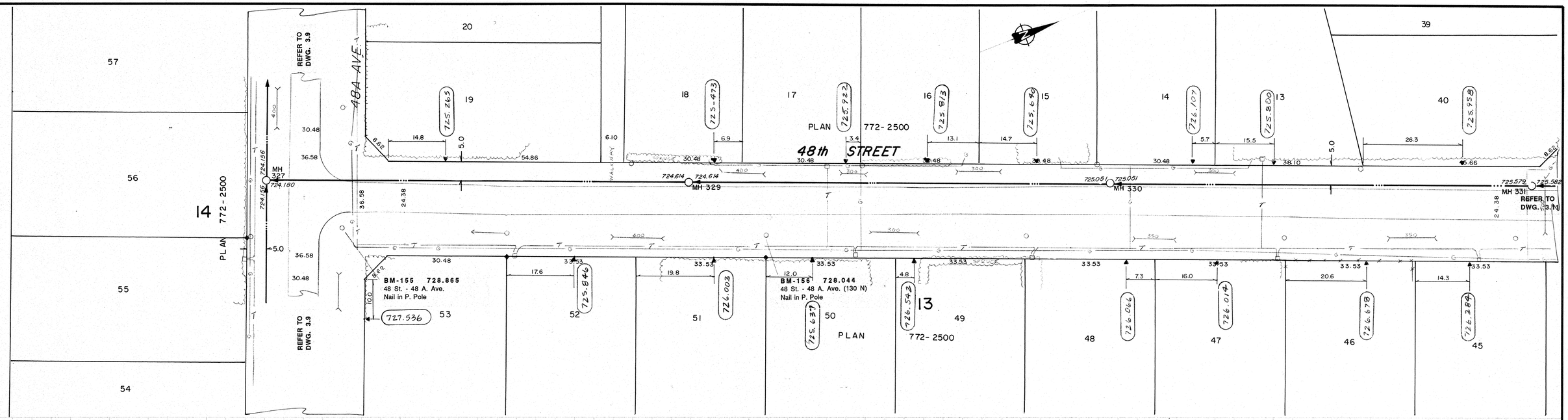
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT SEWAGE COLLECTION SYSTEM
48th STREET
48A AVE. to 49A AVE.

SHEET ..... OF ..... DWG. No. 3.11



LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER A. D. NABE 1990

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990

PROJECT No. 60-89-1

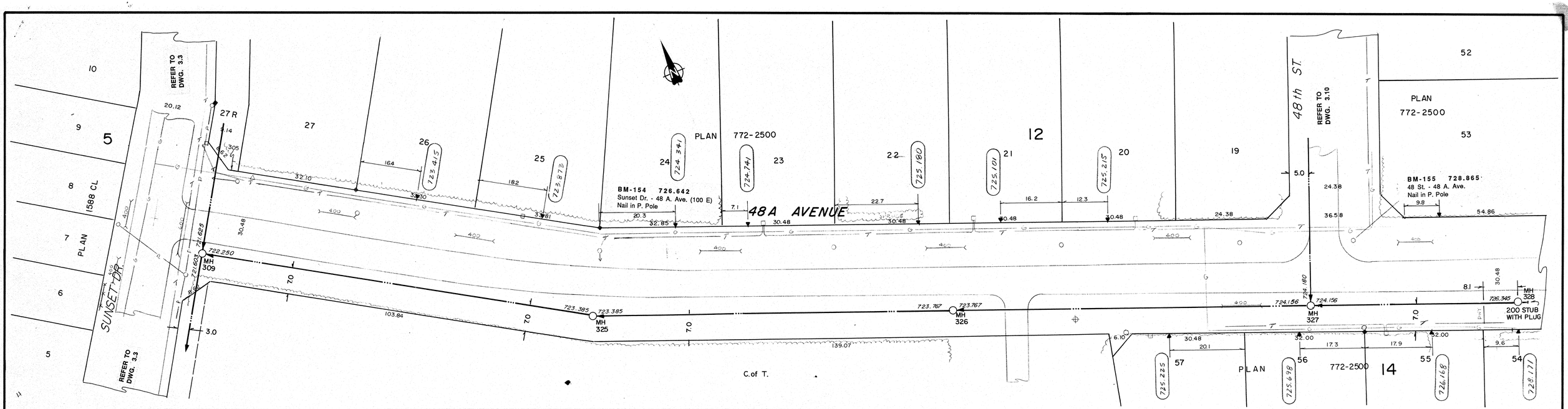
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

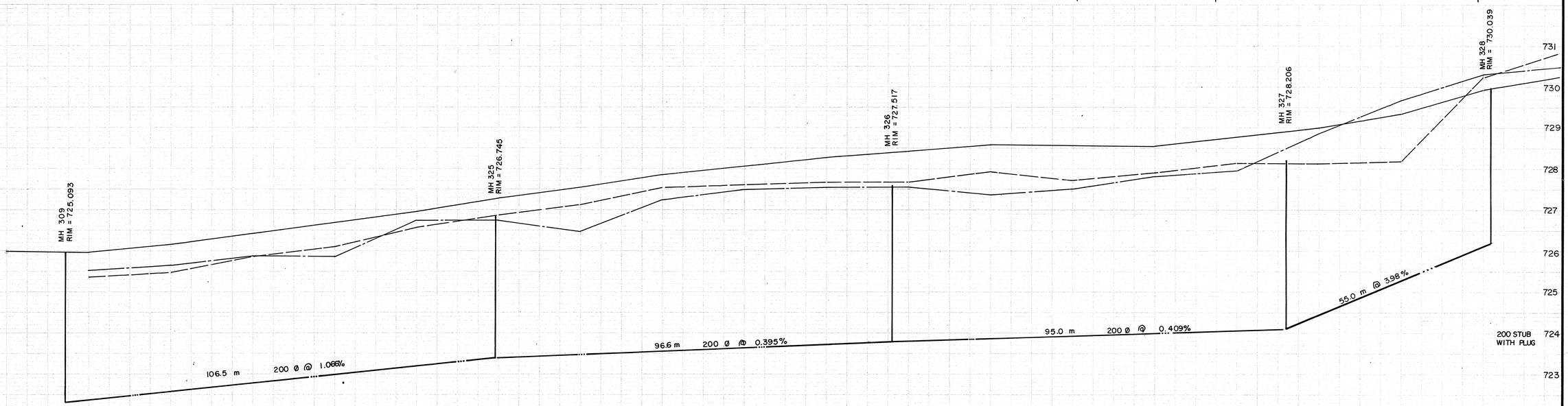
TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM
48th STREET
48A AVE. to 49A AVE.

SHEET ..... OF ..... DWG. No. 3.10

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-09-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NASH 10061 2998

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990

PROJECT No. 60-89-1

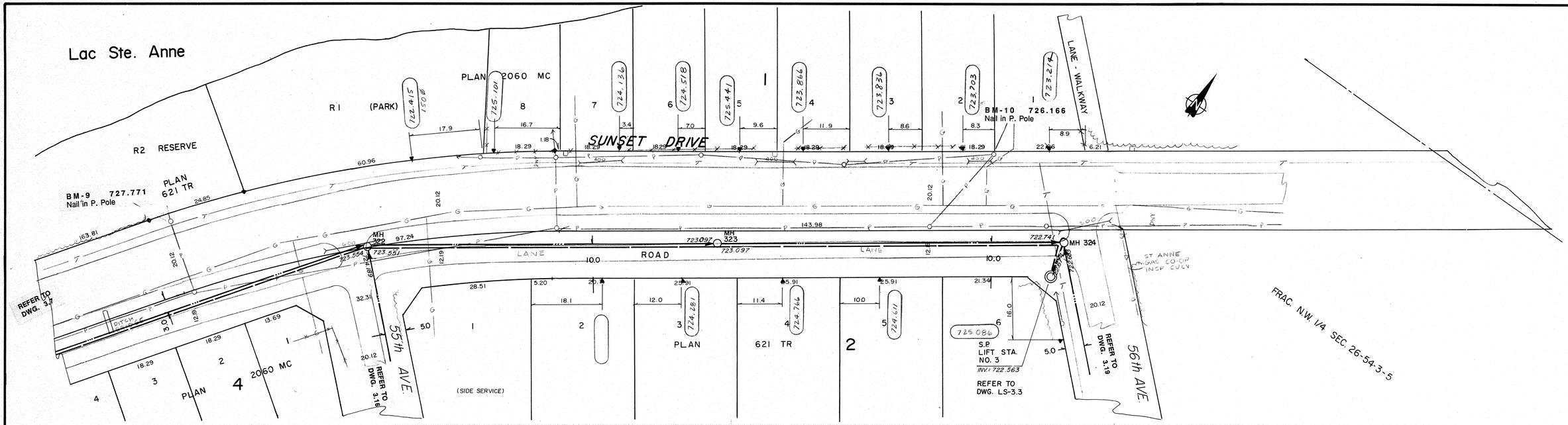
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

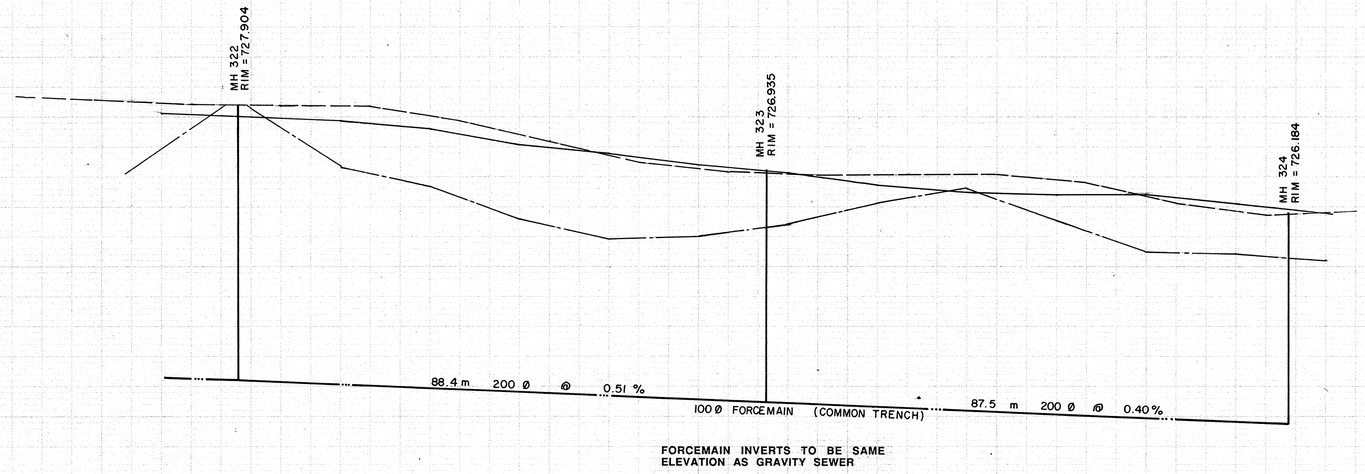
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF SUNSET POINT SEWAGE COLLECTION SYSTEM

48A AVENUE
SUNSET DRIVE TO 48th ST.

SHEET ..... OF ..... DWG. No. 3.9





FORCEMAIN INVERTS TO BE SAME ELEVATION AS GRAVITY SEWER

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA D. NABE 90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

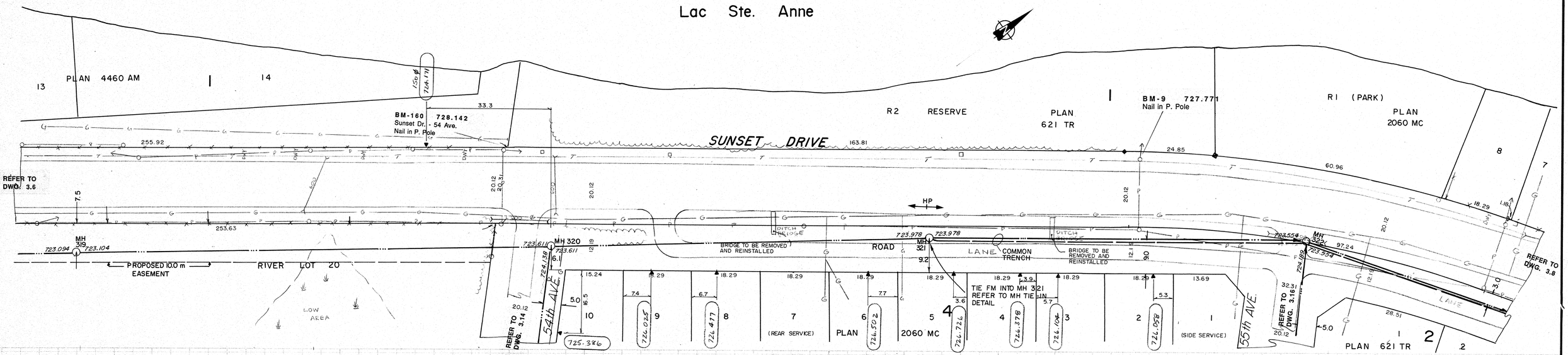
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

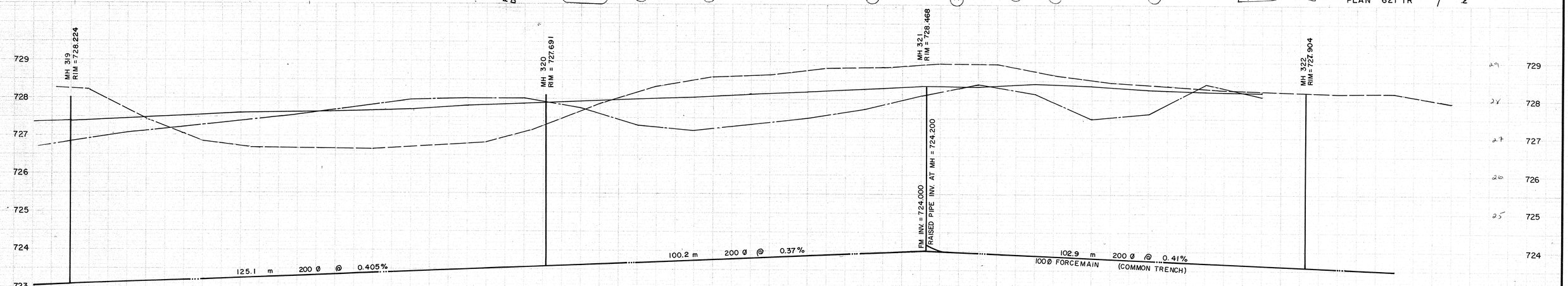
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM

SUNSET DRIVE
55th AVE. to 56th AVE.

SHEET ..... OF ..... DWG. No. 3.8

Lac Ste. Anne





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- SERVICE CONNECTION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 96-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
D. NASH
96-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

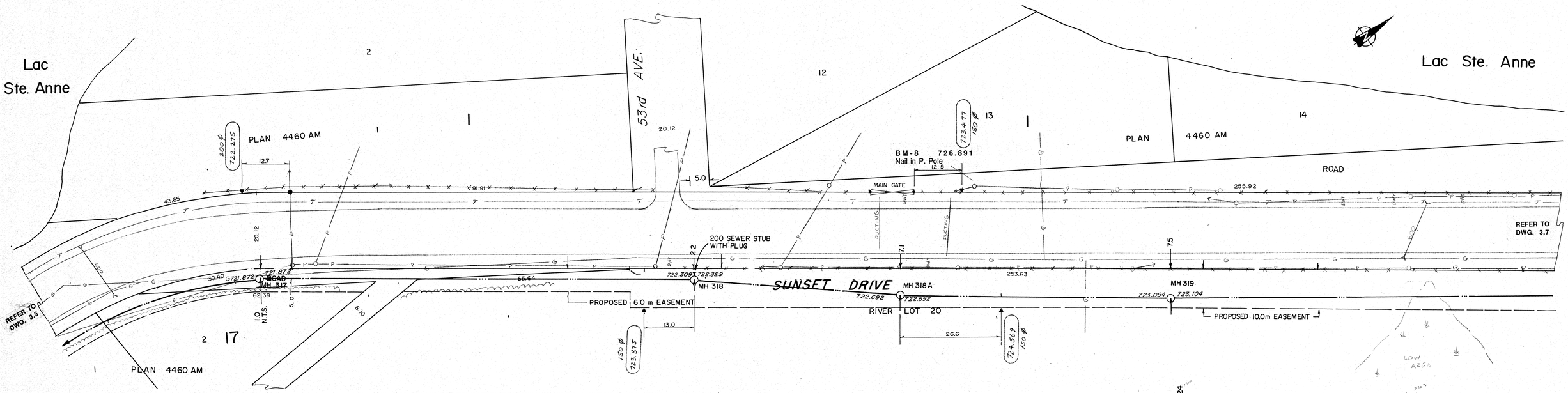
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

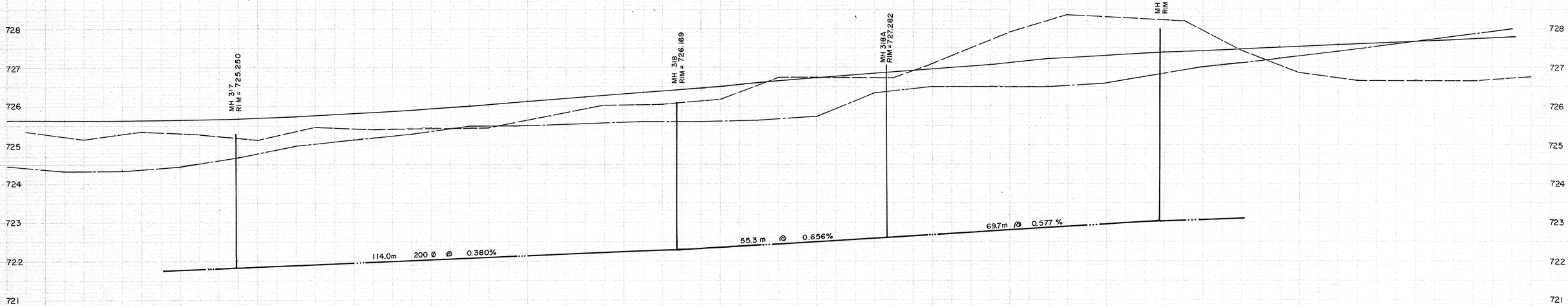
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM
SUNSET DRIVE
SOUTH OF 53rd AVE. to 55th AVE.

SHEET ..... OF ..... DWG. No. 3.7





NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 91-04-11
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

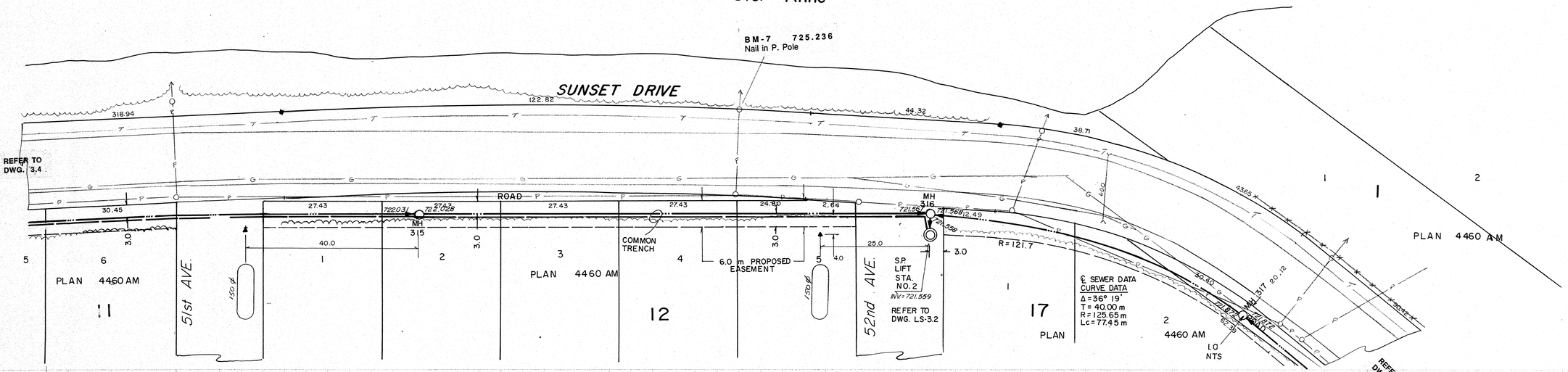
REVISIONS

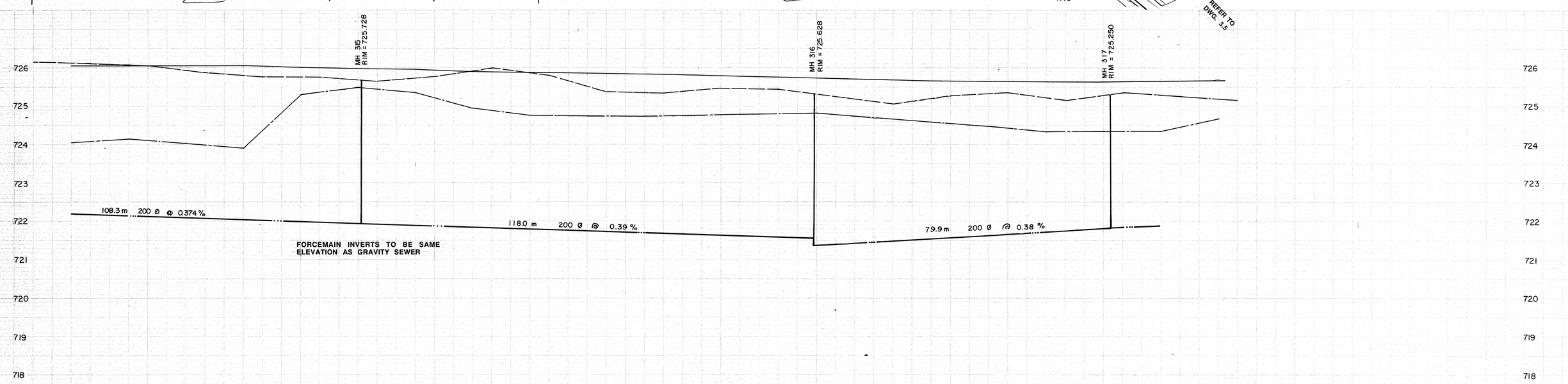
SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM
SUNSET DRIVE
SOUTH OF 52nd AVE. to NORTH OF 53rd AVE.
SHEET ..... OF .....
DWG. No. 3.6

Lac Ste. Anne





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA D. NASE

No.	DATE	DESCRIPTION	BY	APP
2	11/90	AS BUILT	DF	PM
1	1990 05 23	INVERTS	DF	EN

REVISIONS

SCALE HORIZ. 10m 5 0 5
SCALE VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990

PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM
SUNSET DRIVE
SOUTH OF 51st AVE. to NORTH OF 52nd AVE.

SHEET ..... OF ..... DWG. No. 3.5

Lac Ste. Anne

SUNSET DRIVE

PLAN 1588 CL

REFER TO DWG. 3.3

REFER TO DWG. 3.5

HOUSE NO. 4912 — 722.868 — 150 Ø

HOUSE NO. 4924 — 723.511 — 150 Ø

HOUSE NO. 4928 — 723.248 — 150 Ø

HOUSE NO. 4932 — 723.131 — 150 Ø

BM-6 725.791
Nail in P. Pole

MH 311 — 722.330

MH 312 — 722.577 / 722.592

MH 313 — 722.998 / 723.185

MH 314 — 722.500 / 722.473

HP

TIE FM INTO MH 313
REFER TO MH TIE-IN DETAIL

PROPOSED 6.0m EASEMENT

COMMON TRENCH

494 AVE.

50th AVE.

PLAN 772-2500

4460 AM

PLAN

MH 311 RIM = 726.150

MH 312 RIM = 725.707

MH 313 RIM = 725.918

MH 314 RIM = 725.993

FM. TIE-IN AT MH = 723.155
RAISED PIPE INV.
100 GATE VALVE

61.3 m 200 Ø @ 0.403%

107.8 m 200 Ø @ 0.37.7%

128.3 m 200 Ø @ 0.51%
100 Ø FORCEMAIN (COMMON TRENCH)

FORCEMAIN INVERTS TO BE SAME ELEVATION AS GRAVITY SEWER

726 / 725 / 724 / 723 / 722 / 721 / 720 / 719

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-16
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — E.D. NAAS

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5

DESIGNED BY EDN

DRAWN BY DFF

CHECKED BY

DATE MAR., 1990

PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

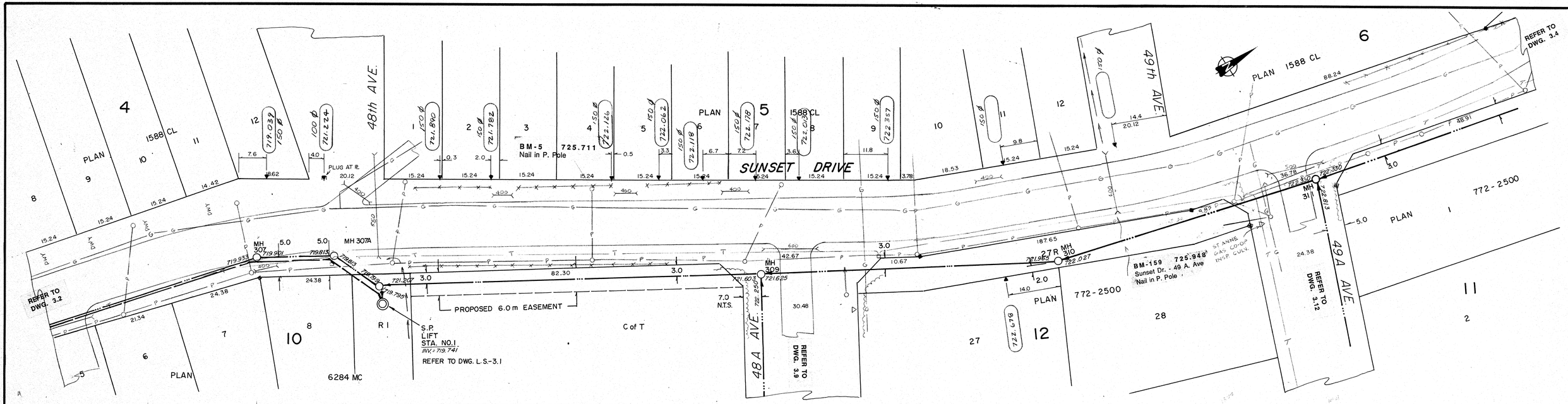
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

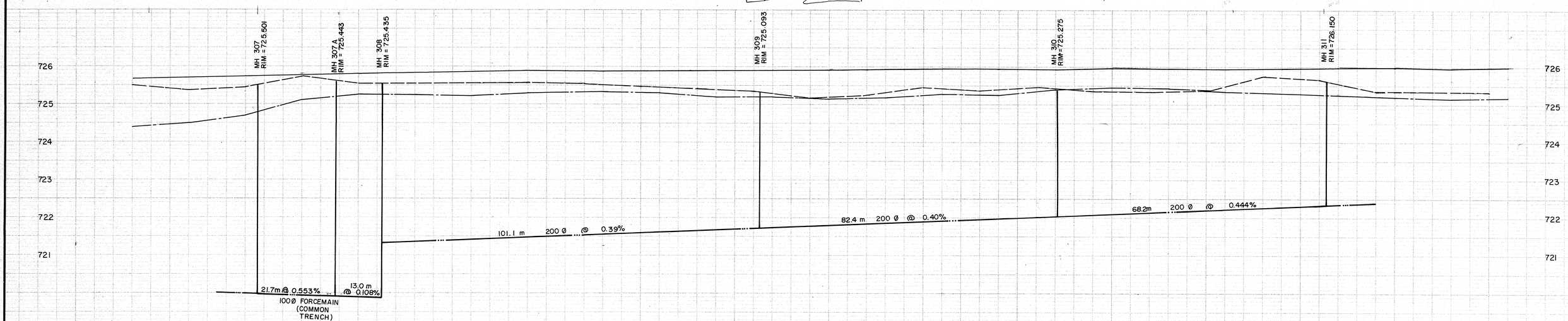
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM

SUNSET DRIVE
NORTH OF 50th AVE.

SHEET ..... OF .....

DWG. No. 3.4





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 96-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
E.D. NAGY
95 04 17

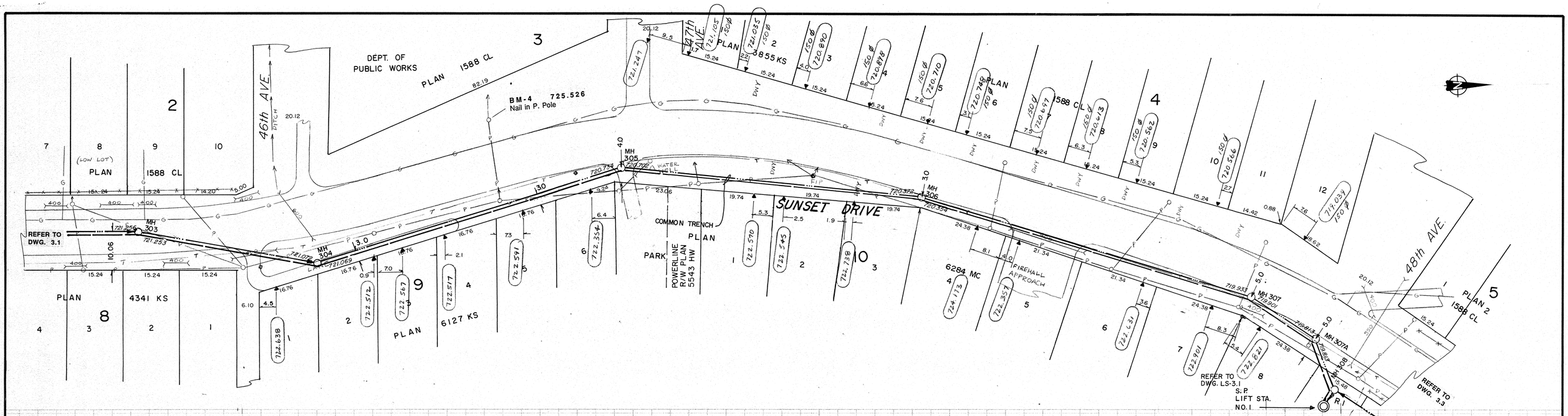
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

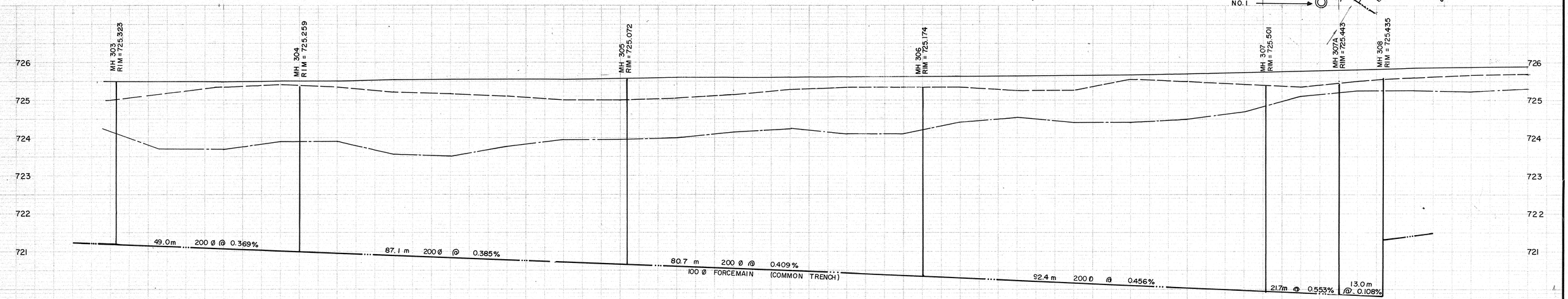
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM
SUNSET DRIVE
48th AVE. to 49A AVE.
SHEET ..... OF .....
DWG. No. 3.3





FORCEMAIN INVERTS TO BE SAME ELEVATION AS GRAVITY SEWER

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-09-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA D. NABE 21 1990-09-12

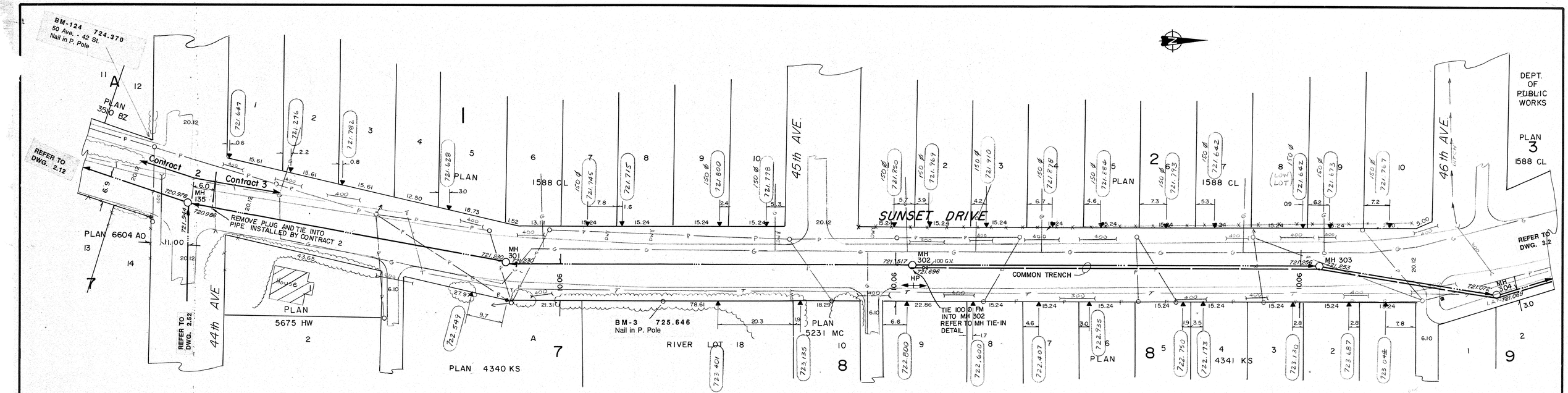
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

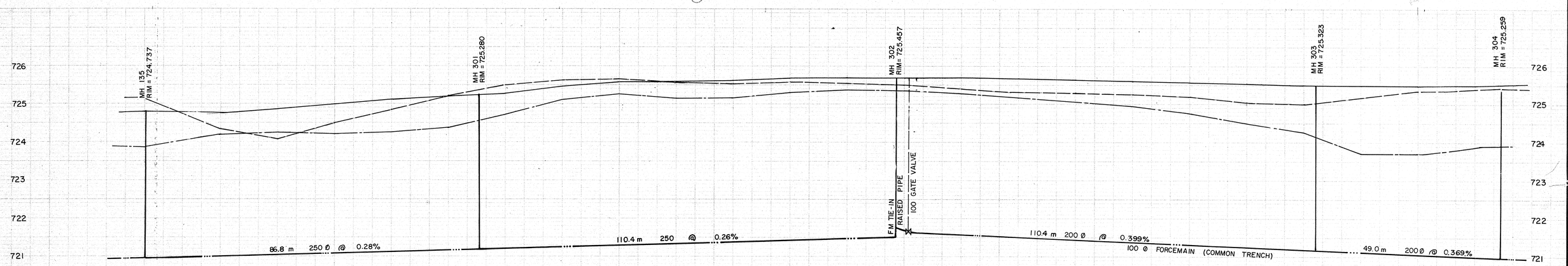
REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
PROJECT No. 60-89-1
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM
SUNSET DRIVE
46th AVE. to 48th AVE.
SHEET ..... OF ..... DWG. No. 3.2





FORCEMAIN INVERTS TO BE SAME ELEVATION AS GRAVITY SEWER

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

NOTES:

1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN (100 DIA.)
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
EDNAR
90-04-12

No.	DATE	DESCRIPTION	BY	APP
2	07/94	SERVICE CONNECTION LOT 10, BLK.2, 1588CL	DF	PKS
1	11/90	AS BUILT	DF	PM

REVISIONS

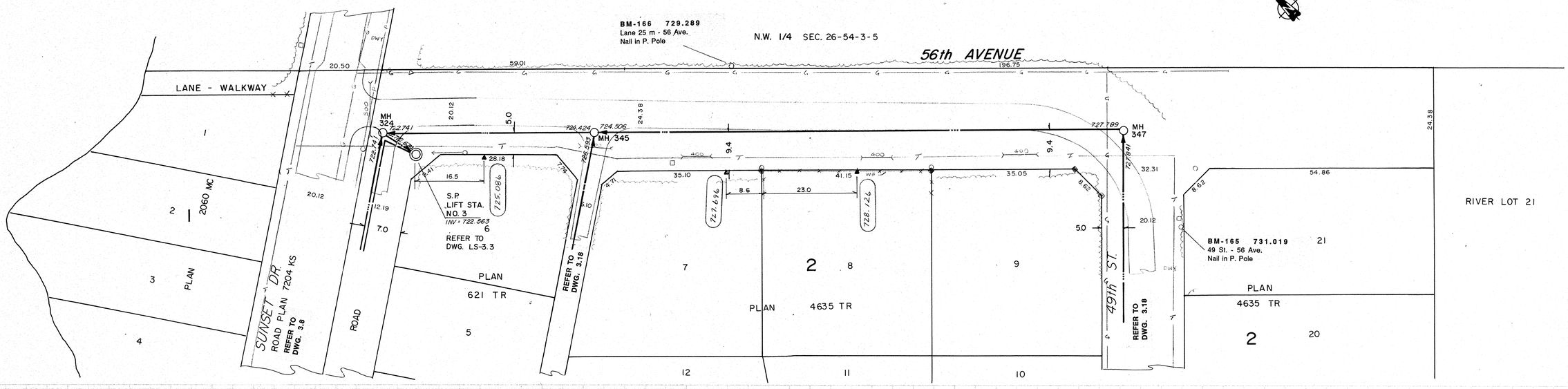
SCALE HORIZ. 10m 5 0 5
VERT. 10m 0.5 0 0.5

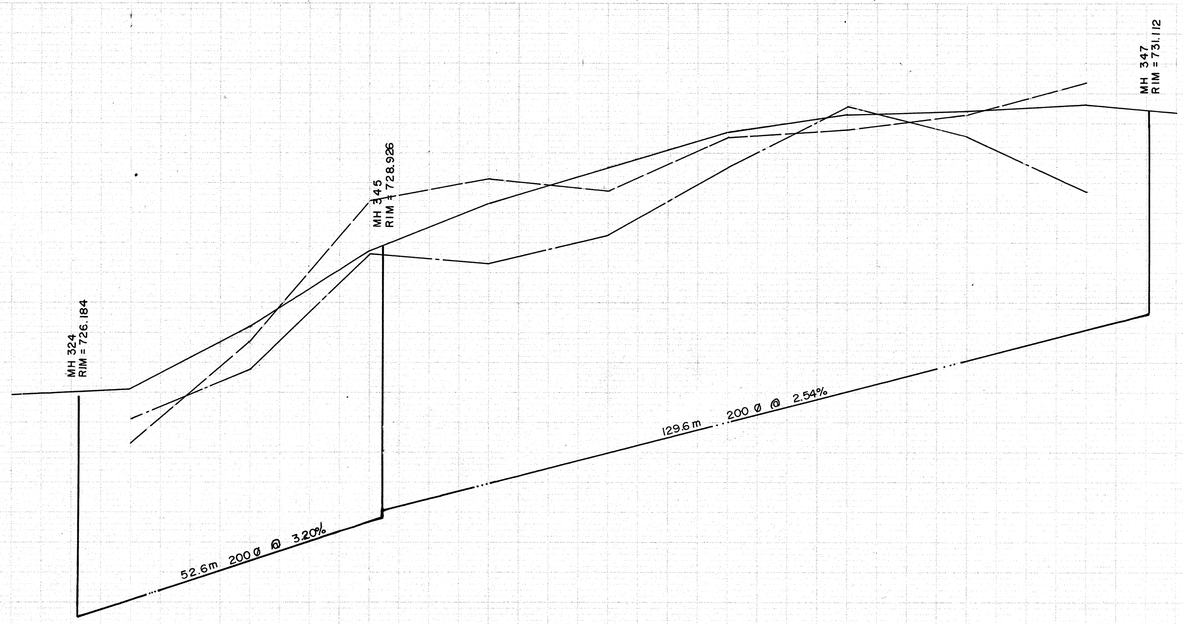
DESIGNED BY EDN
CHECKED BY
PROJECT No. 60-89-1
DRAWN BY DFF
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM
SUNSET DRIVE
44th AVE. to 46th AVE.
SHEET ..... OF .....
DWG. No. 3.1

Lac
Ste. Anne





SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-03
REVIEWED BY:

NOTES:
1. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY (A.G.T., GAS, ETC.)
2. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THIS DRAWING.
3. CONTRACTOR IS RESPONSIBLE FOR GETTING UTILITY COMPANIES TO MARK OUT ALL THEIR LINES (MAINS AND SERVICES).
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES WHETHER SHOWN ON THIS DRAWING OR NOT.

LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- EXISTING GROUND PROFILE AT CONSTRUCTION SITE
- EXISTING PROPERTY LINE PROFILE, AT RIGHT
- EXISTING PROPERTY LINE PROFILE, AT LEFT
- EXISTING DITCH AT RIGHT OF ROAD
- EXISTING DITCH AT LEFT OF ROAD
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- GUY POLE, SERVICE OR LIGHT STANDARD POLE
- HAND PUMP
- TEST HOLE OR BORE HOLE
- AGT PEDESTAL
- CSP CULVERT W/DIA.
- CONC. CULVERT W/DIA.
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- CATCH BASIN
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NABE

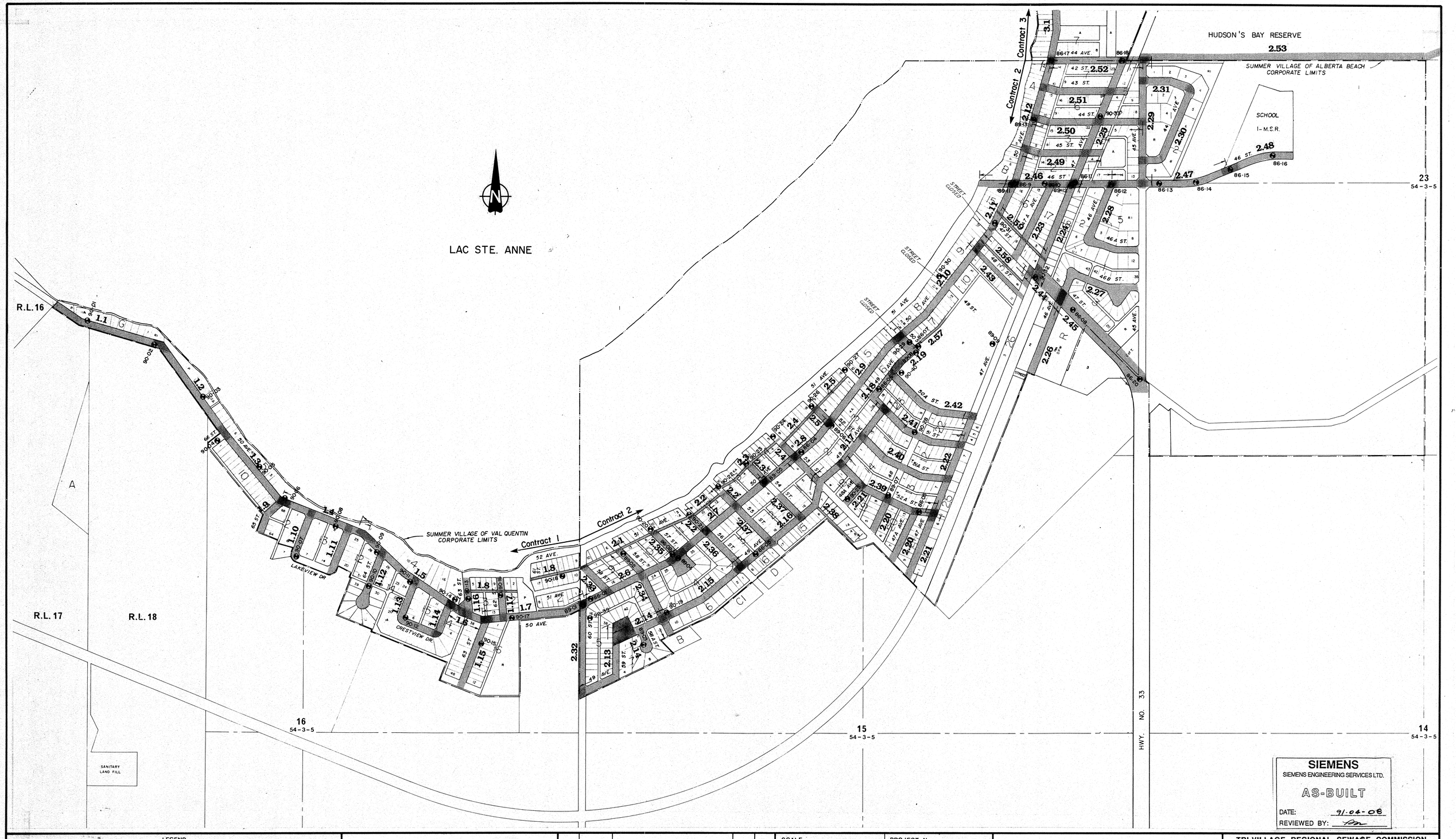
No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE HORIZ. 10m 5 0 5
VERT. 1.0m 0.5 0 0.5
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990
PROJECT No. 60-89-1

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DÉVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM
56TH AVENUE
SUNSET DRIVE to 49th ST.
49TH STREET
SHEET ..... OF .....
DWG. No. 3.19



LEGEND

2.10 — PLAN AREA AND DRAWING NO.

90-05 ● — TESTHOLE AND NUMBER

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
E. D. NAGY
90-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE 150m 100 50 25 0 50m
PROJECT No. 60-89-1
DESIGNED BY EDN
DRAWN BY DFF
CHECKED BY
DATE MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

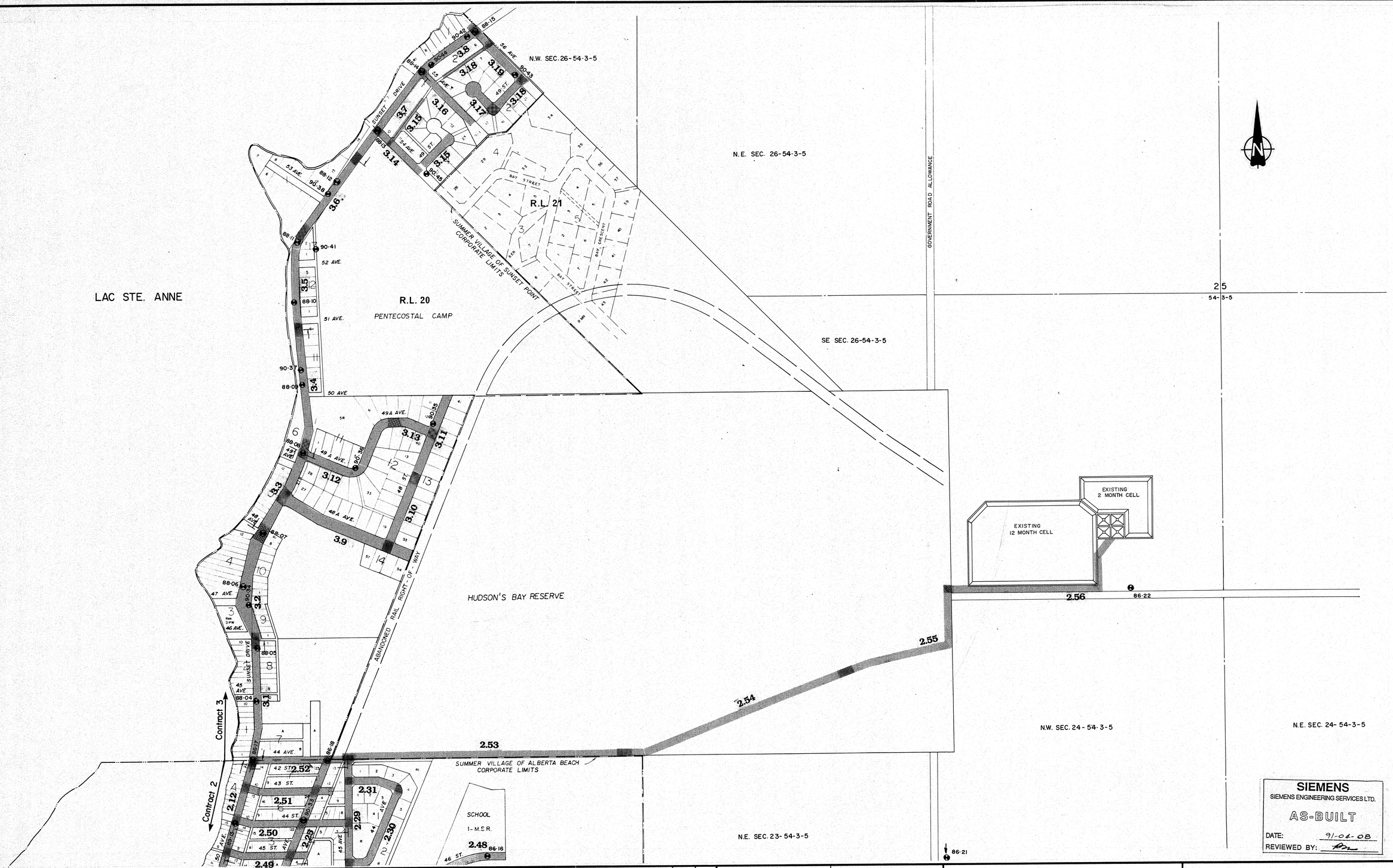
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGES OF VAL QUENTIN AND ALBERTA BEACH SEWAGE COLLECTION SYSTEM

DRAWING INDEX PLAN
TEST HOLE LOCATIONS

SHEET ..... OF ..... DWG. No. 04



LEGEND

2.10 — PLAN AREA AND DRAWING NO.

90-33 ⊖ TESTHOLE AND NUMBER

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA E.D. NARE

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE 150m 100 50 25 0 50m

PROJECT No. 60-89-1

DESIGNED BY EDN

DRAWN BY DFF

CHECKED BY

DATE MAR., 1990

SIEMENS

SIEMENS ENGINEERING SERVICES LTD.

CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

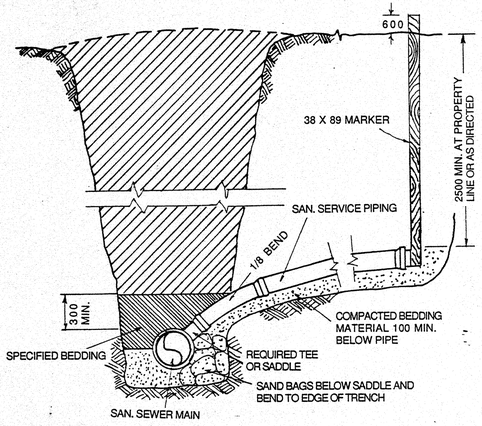
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF SUNSET POINT SEWAGE COLLECTION SYSTEM

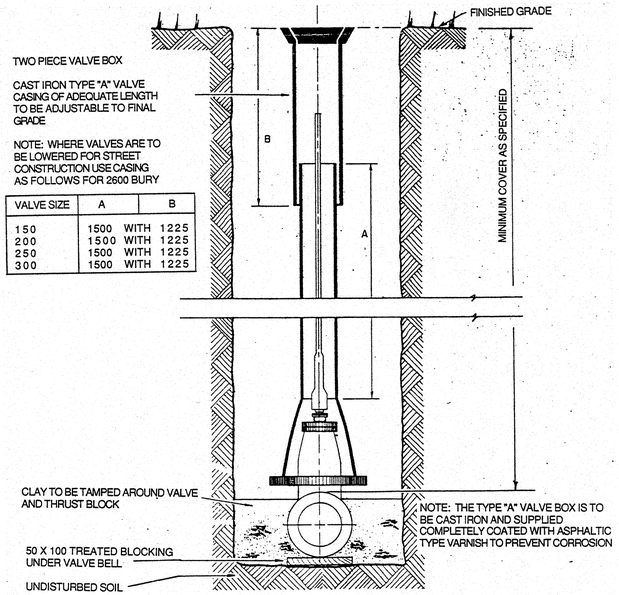
DRAWING INDEX PLAN
TEST HOLE LOCATIONS

SHEET ..... OF ..... DWG. No. 05



SERVICE CONNECTION SINGLE TRENCH

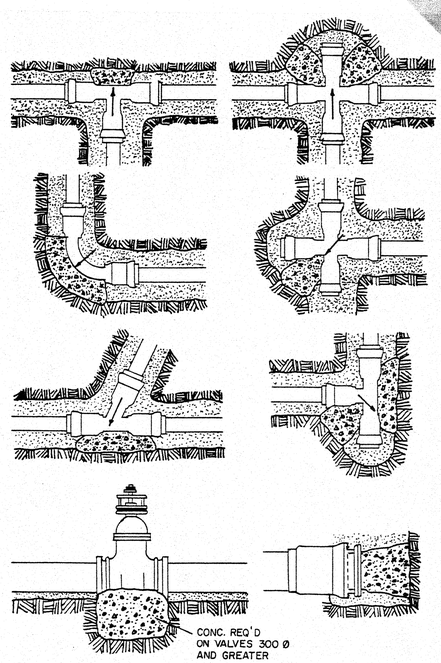
N. T. S.



VALVE SIZE	A	B
150	1500 WITH	1225
200	1500 WITH	1225
250	1500 WITH	1225
300	1500 WITH	1225

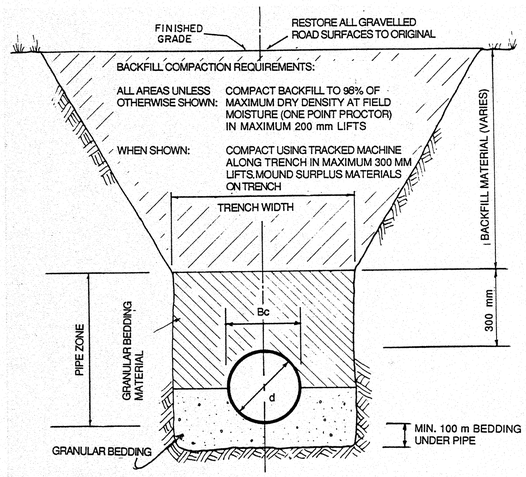
MAIN VALVE CASING DETAIL

N.T.S.



HORIZONTAL THRUST BLOCK DETAILS

N. T. S.



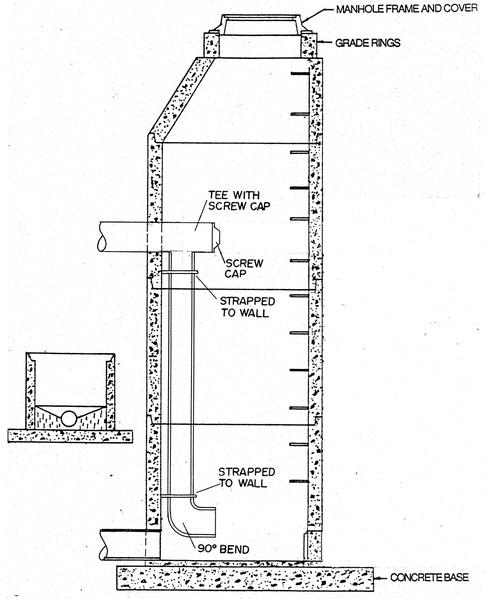
PIPE SIZE	TRENCH WIDTH	
	MAXIMUM	MINIMUM
UP TO 525 mm DIA.	1050 mm	Bc + 200 mm

Bc = OUTSIDE PIPE DIA.

d = INSIDE PIPE DIA.

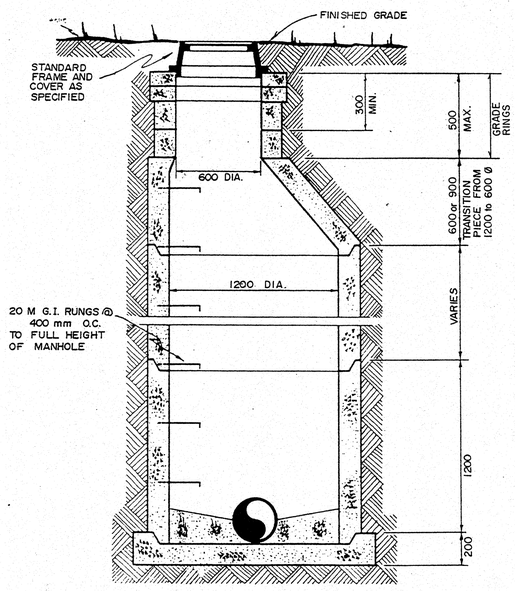
TYPICAL TRENCH AND PIPE BEDDING DETAIL

N. T. S.



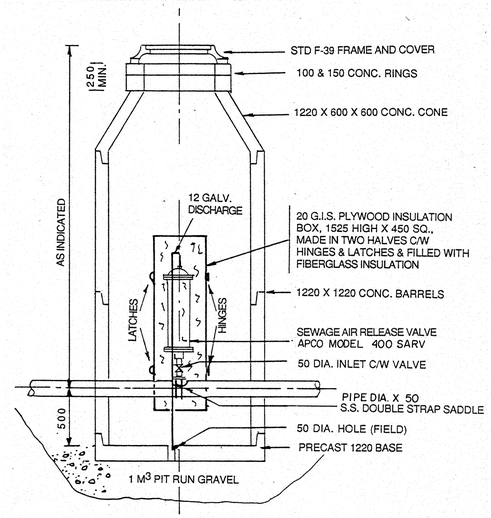
DROP MANHOLE

N.T.S.



STANDARD 1200mm DIA. MANHOLE

N. T. S.



AIR RELEASE MANHOLE FOR SEWAGE FORCEMAIN

N. T. S.

LEGEND

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 92-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE: NOT TO SCALE	PROJECT No.: 60-89-1
DESIGNED BY: EDN	DRAWN BY: DFF
CHECKED BY:	DATE: MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

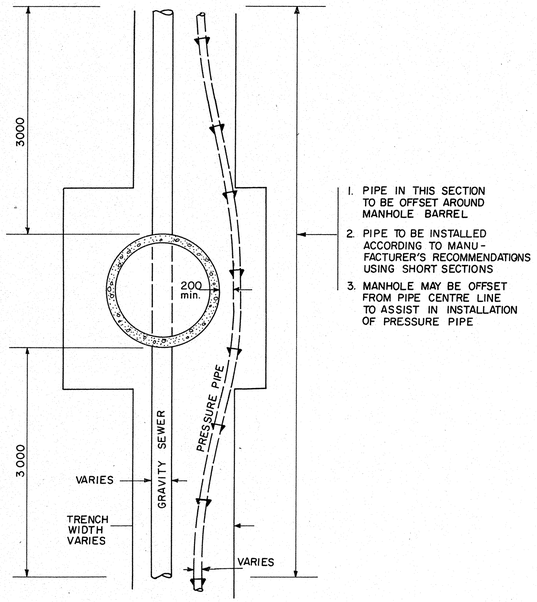
TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGES OF
VAL QUENTIN, ALBERTA BEACH AND SUNSET POINT

SEWAGE COLLECTION SYSTEM

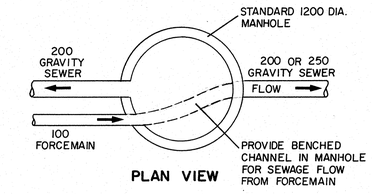
DETAILS

SHEET ..... OF ..... DWG. No. D. 1

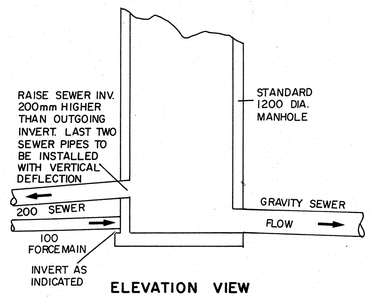


TYPICAL TWO PIPE INSTALLATION AT MANHOLE

NTS



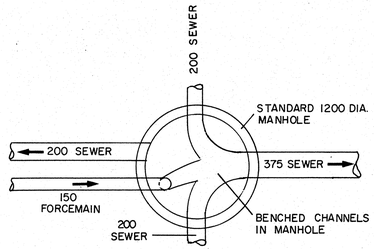
PLAN VIEW



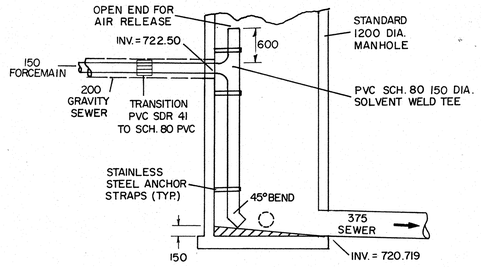
ELEVATION VIEW

FORCEMAIN/MANHOLE TIE-IN DETAIL FOR MANHOLES 13, 27, 302, 313 AND 321

N.T.S.



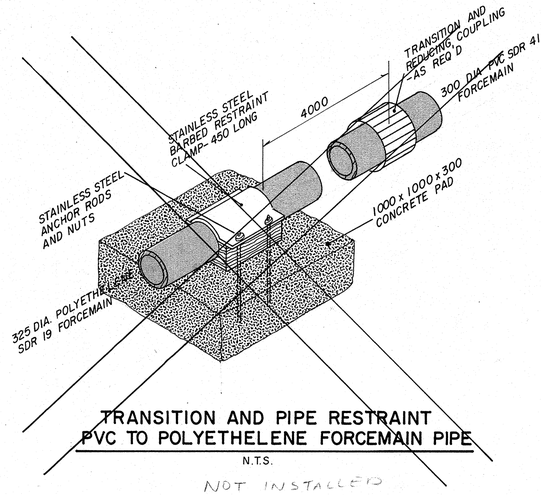
PLAN VIEW



ELEVATION VIEW

FORCEMAIN/MANHOLE TIE-IN DETAIL FOR MANHOLE 117

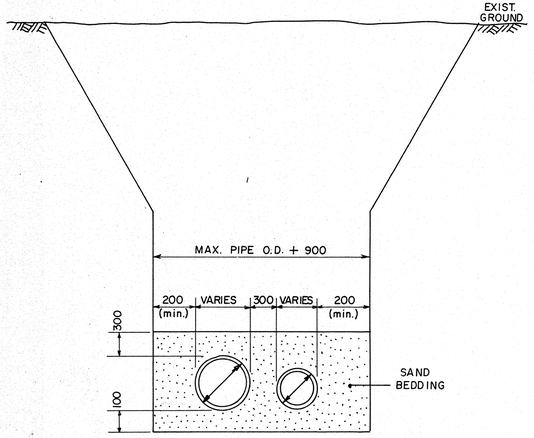
N.T.S.



TRANSITION AND PIPE RESTRAINT PVC TO POLYETHELENE FORCEMAIN PIPE

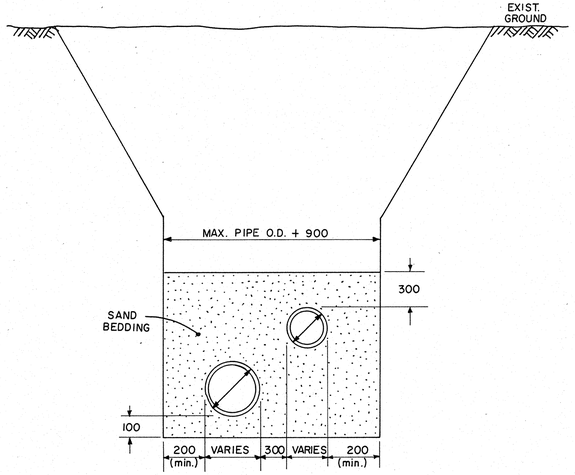
N.T.S.

NOT INSTALLED



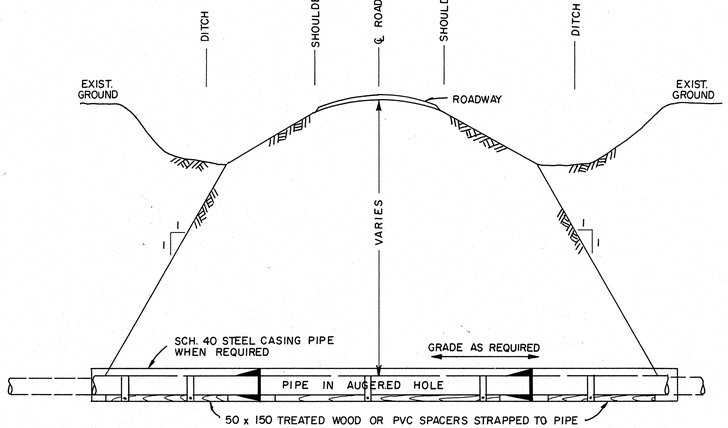
TYPICAL TWO PIPE TRENCH (SAME INVERT ELEVATION)

N.T.S.



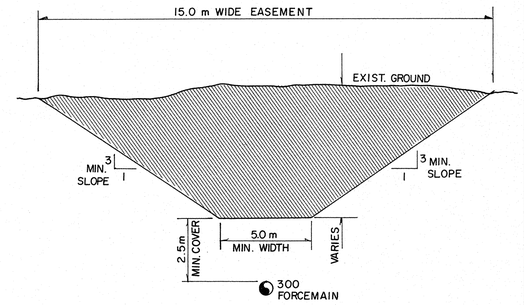
TYPICAL TWO PIPE TRENCH (DIFFERENT INVERT ELEVATIONS)

N.T.S.



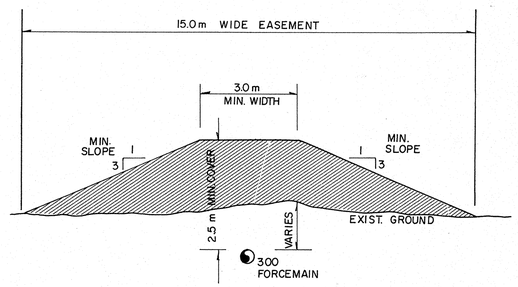
AUGERED HOLE

N.T.S.



FORCEMAIN ALIGNMENT PRE-GRADING TYPICAL CUT SECTION

N.T.S.



FORCEMAIN ALIGNMENT PRE-GRADING TYPICAL FILL SECTION

NTS

LEGEND

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91-04-08
REVIEWED BY:

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2398
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER E. D. NASH 90-04-12 ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE: NOT TO SCALE	PROJECT No.: 60-89-1
DESIGNED BY: EDN	DRAWN BY: DFF
CHECKED BY:	DATE: MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGES OF
VAL QUENTIN, ALBERTA BEACH AND SUNSET POINT
SEWAGE COLLECTION SYSTEM
DETAILS
SHEET ..... OF ..... DWG. No. D.2

SEWAGE LIFT STATION - PLAN VIEW

N.T.S.

SEWAGE LIFT STATION - SECTION

N.T.S.

REFER TO DRAWING D.3 FOR CONCRETE WET WELL ALTERNATE

SITE PLAN

5m 0 1 2m

EQUIPMENT SCHEDULE - SUNSET POINT LIFT STATION NO. 2

1 1800 DIA. CONTINUOUSLY WELDED STEEL TANK 6 MM WALL THICKNESS, SAND BLASTED, COATED FOR CORROSION PROTECTION
2 WORK PLATFORM WITH REMOVABLE SECTIONS FOR PUMP ACCESS
3. ALUMINUM HATCH COVERS WITH HINGES, LOCK DEVICES
4 M15 ANCHOR BOLTS 450 X 19
5 C150 X 22 I-BEAM - 2438 LONG (2 REQUIRED)
6 C150 X 22 I-BEAM - 880 LONG (3 REQUIRED)
7 RE-BAR MAT 15M AT 300 EACH WAY
8 38 X 38 X 6 CHAIN FOR PUMP REMOVAL
9 8 KG MAGNESIUM ANODES (2 REQUIRED)
10 230V SINGLE PHASE, FLYGT MODEL 3201 (IMP 433) 3.9 HP, 230 VOLT, SINGLE PHASE, SUBMERSIBLE, SEWAGE PUMPS EACH CAPABLE OF 115 USGPM AT 30'
11 100 MM SCHEDULE 40 STEEL PIPE AND FITTINGS
12 SLIDE RAIL SYSTEM
13 100 MM DISCHARGE BASE ASSEMBLY
14 PROVIDE GRAB BARS ON UNDERSIDE OF HATCH LID
15 PRESSURE GAUGE C/W ISOLATION VALVE
17 MERCURY FLOAT SWITCHES
18 100 MM GATE VALVE C/W EXTENSION STEM TO TOP OF TANK
19 100 MM CHECK VALVE
20 COMBINATION VENTILATION FAN AND HEATER C/W DUCTING TO HIGH WATER LEVEL
21 AIR RELEASE VALVE
22 WALL MOUNTED EXPLOSION PROOF 150 WATT LIFHT FIXTURE
23 CONTROL PANEL, TANK MOUNTED
24 ROTATING LIFTING DAVIT
25 ALARM BEACON MOUNTED ON TOP OF CONTROL PANEL
26 VALVE OPERATOR EXTENSION TO TOP OF TANK. PROVIDE OPERATION WHEELS AT TOP AND NEAR VALVE.
27 EXHAUST VENT

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 11/04/09
REVIEWED BY:

2	11/90	AS BUILT	DF	PM	
1	1990 06 23	ELEVATIONS	DF	EN	
No.	DATE	DESCRIPTION	BY	APP	

REVISIONS

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 20-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

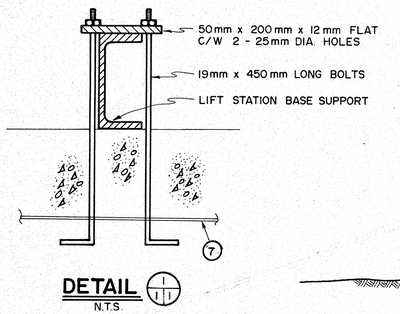
LEGEND
- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION
- FORCEMAIN
- ACT PEDESTAL
- CBF OUTLVERT MKR/A
- POUND LEGAL MARKER
- POWER POLE W/ GUY
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SHOW)
- GAS REGULATOR STATION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

SCALE	PROJECT No.
AS SHOWN	60-89-1
DESIGNED BY	DRAWN BY
EDN	DFF
CHECKED BY	DATE
	MAR., 1990

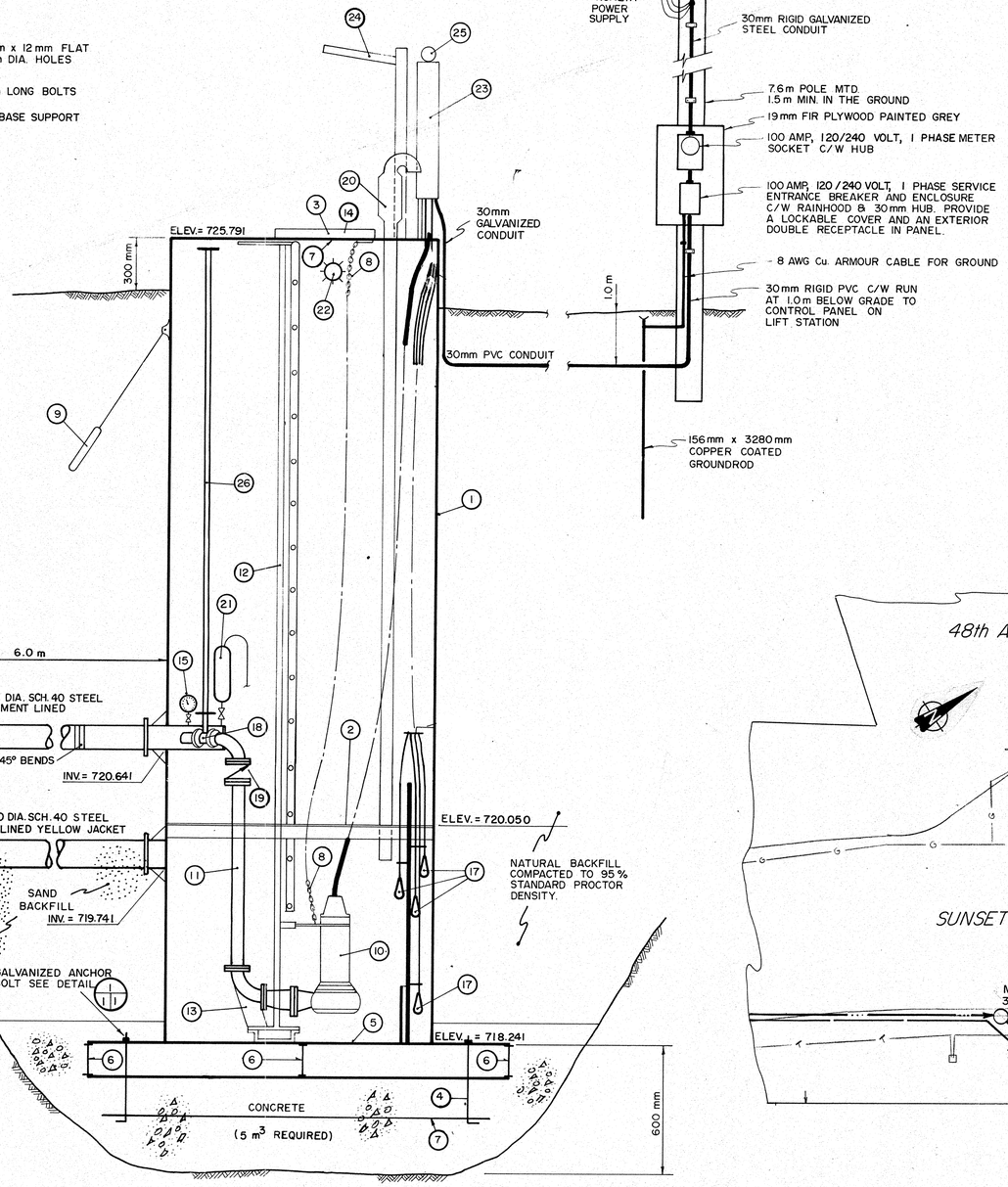
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM
LIFT STATION NO.2
DETAILS

SHEET ..... OF ..... | DWG. No. LS 3.2

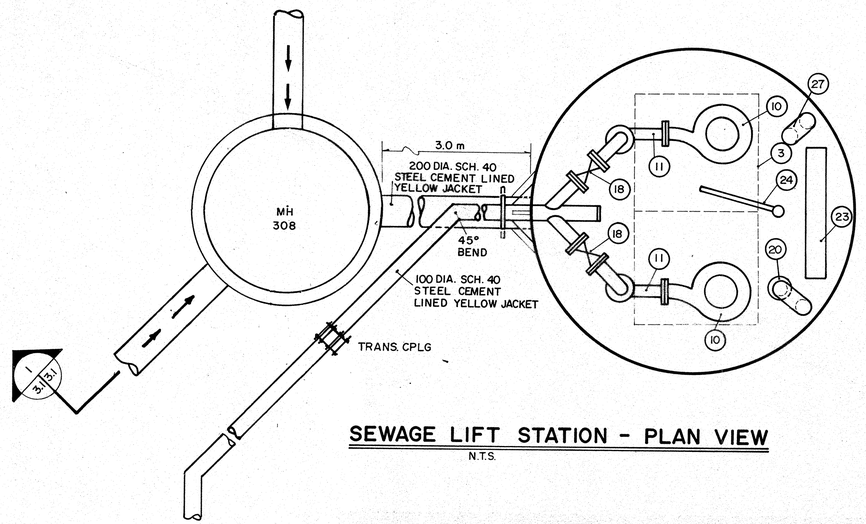


DETAIL (1/1.1)
N.T.S.

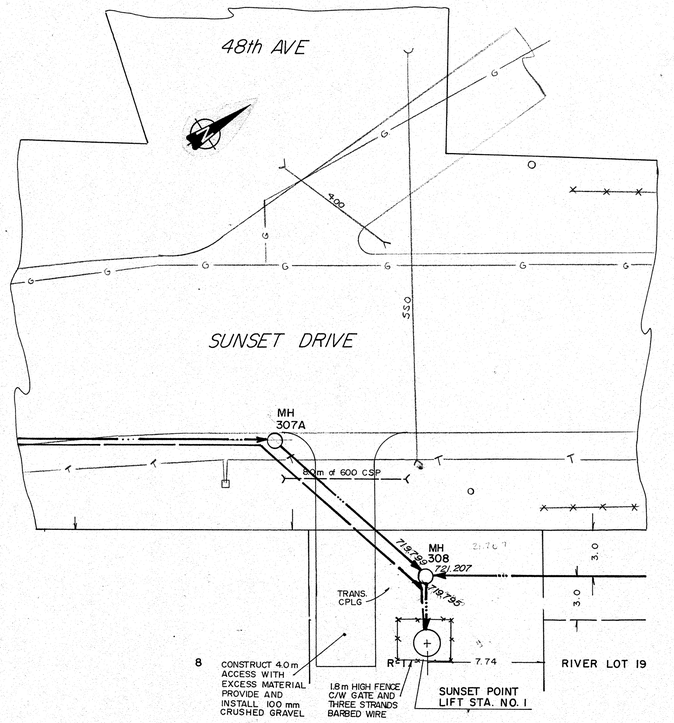


SEWAGE LIFT STATION - SECTION (1/3.1 3.1)
N.T.S.

REFER TO DRAWING D.3 FOR CONCRETE WET WELL ALTERNATE



SEWAGE LIFT STATION - PLAN VIEW
N.T.S.



SITE PLAN

EQUIPMENT SCHEDULE - SUNSET POINT LIFT STATION NO. 1

1 1800 DIA. CONTINUOUSLY WELDED STEEL TANK 6 MM WALL THICKNESS, SAND BLASTED, COATED FOR CORROSION PROTECTION
2 WORK PLATFORM WITH REMOVABLE SECTIONS FOR PUMP ACCESS
3. ALUMINUM HATCH COVERS WITH HINGES, LOCK DEVICES
4 M15 ANCHOR BOLTS 450 X 19
5 C150 X 22 I-BEAM - 2438 LONG (2 REQUIRED)
6 C150 X 22 I-BEAM - 880 LONG (3 REQUIRED)
7 RE-BAR MAT 15M AT 300 EACH WAY
8 38 X 38 X 6 CHAIN FOR PUMP REMOVAL
9 8 KG MAGNESIUM ANODES (2 REQUIRED)
10 230V SINGLE PHASE, FLYGT MODEL 3201 (IMP 433) 3.9 HP, 230 VOLT, SINGLE PHASE, SUBMERSIBLE, SEWAGE PUMPS EACH CAPABLE OF 115 USGPM AT 30'
11 100 MM SCHEDULE 40 STEEL PIPE AND FITTINGS
12 SLIDE RAIL SYSTEM
13 100 MM DISCHARGE BASE ASSEMBLY
14 PROVIDE GRAB BARS ON UNDERSIDE OF HATCH LID
15 PRESSURE GAUGE C/W ISOLATION VALVE
17 MERCURY FLOAT SWITCHES
18 100 MM GATE VALVE C/W EXTENSION STEM TO TOP OF TANK
19 100 MM CHECK VALVE
20 COMBINATION VENTILATION FAN AND HEATER C/W DUCTING TO HIGH WATER LEVEL
21 AIR RELEASE VALVE
22 WALL MOUNTED EXPLOSION PROOF 150 WATT LIFHT FIXTURE
23 CONTROL PANEL, TANK MOUNTED
24 ROTATING LIFTING DAVIT
25 ALARM BEACON MOUNTED ON TOP OF CONTROL PANEL
26 VALVE OPERATOR EXTENSION TO TOP OF TANK. PROVIDE OPERATION WHEELS AT TOP AND NEAR VALVE.
27 EXHAUST VENT

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91/04/08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- ASST PEDESTAL
- CSP CULVERT W/DIA.
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	EN

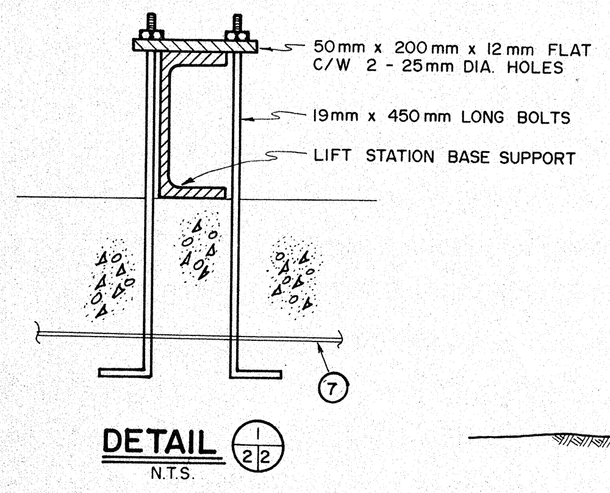
REVISIONS

SCALE: AS SHOWN	PROJECT No.: 60-89-1
DESIGNED BY: EDN	DRAWN BY: DFF
CHECKED BY:	DATE: MAR., 1990

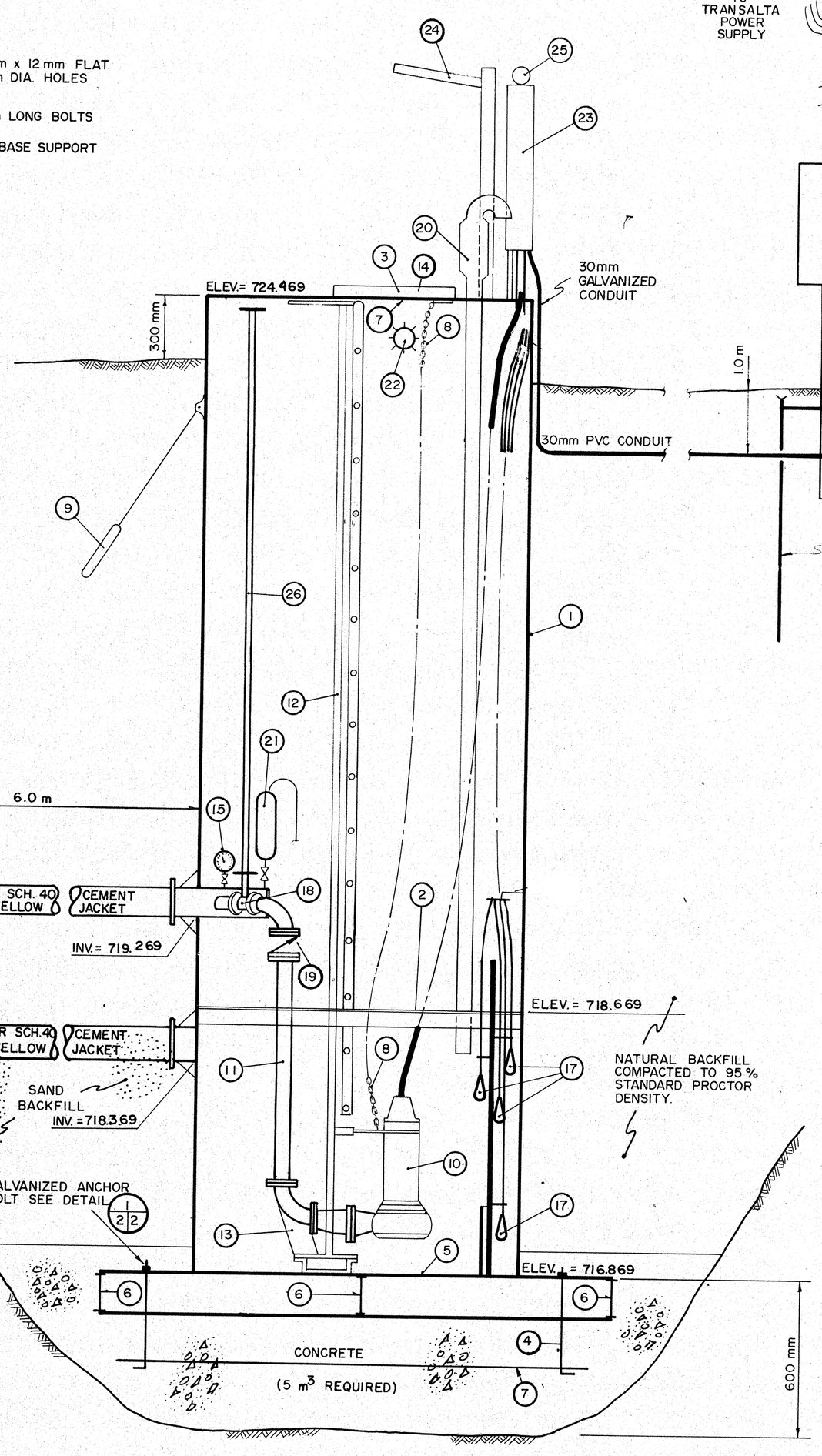
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF SUNSET POINT SEWAGE COLLECTION SYSTEM
LIFT STATION NO. 1
DETAILS

SHEET ..... OF ..... DWG. No. LS 3.1



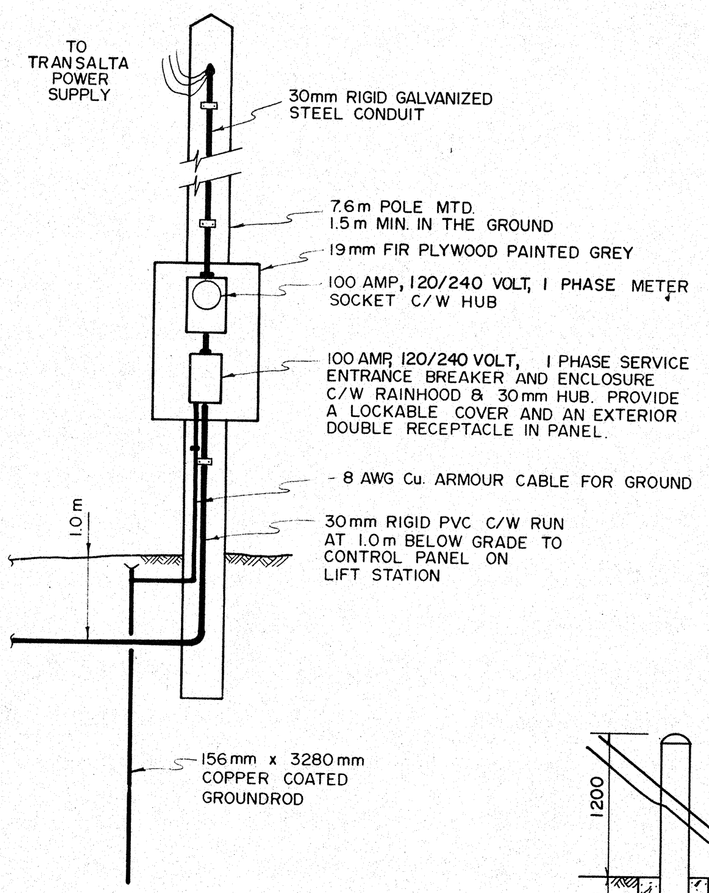
DETAIL 1/2.2 N.T.S.

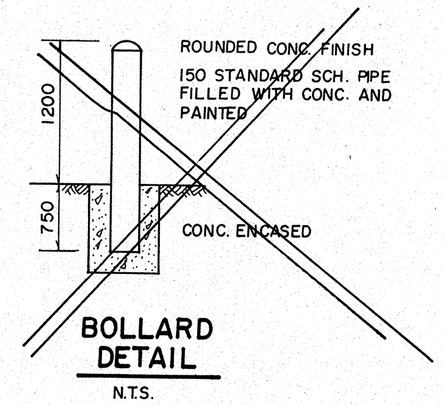


SEWAGE LIFT STATION - SECTION

1/2.2.2 N.T.S.

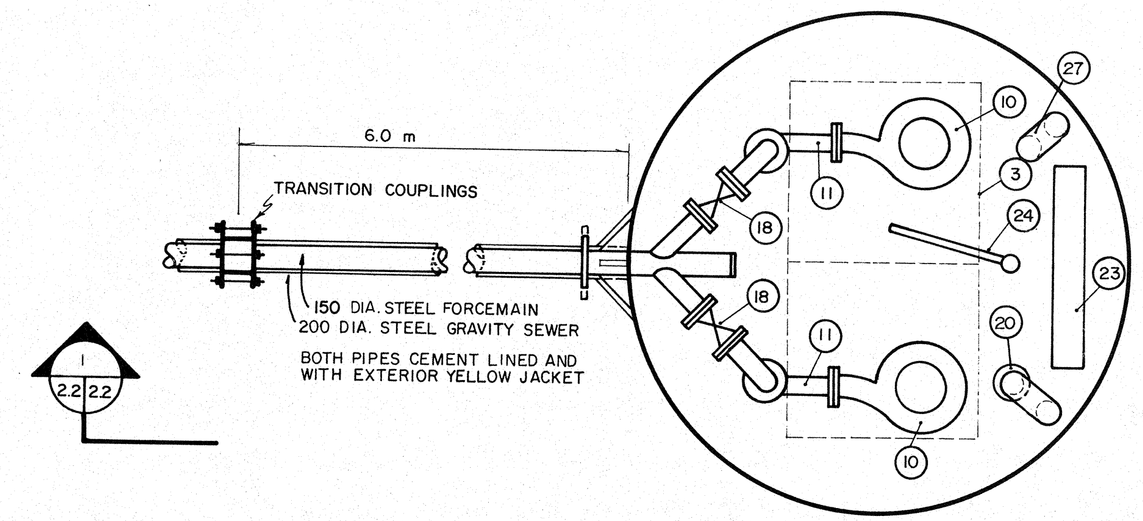
~~REFER TO DRAWING D.3 FOR CONCRETE WET WELL ALTERNATE~~





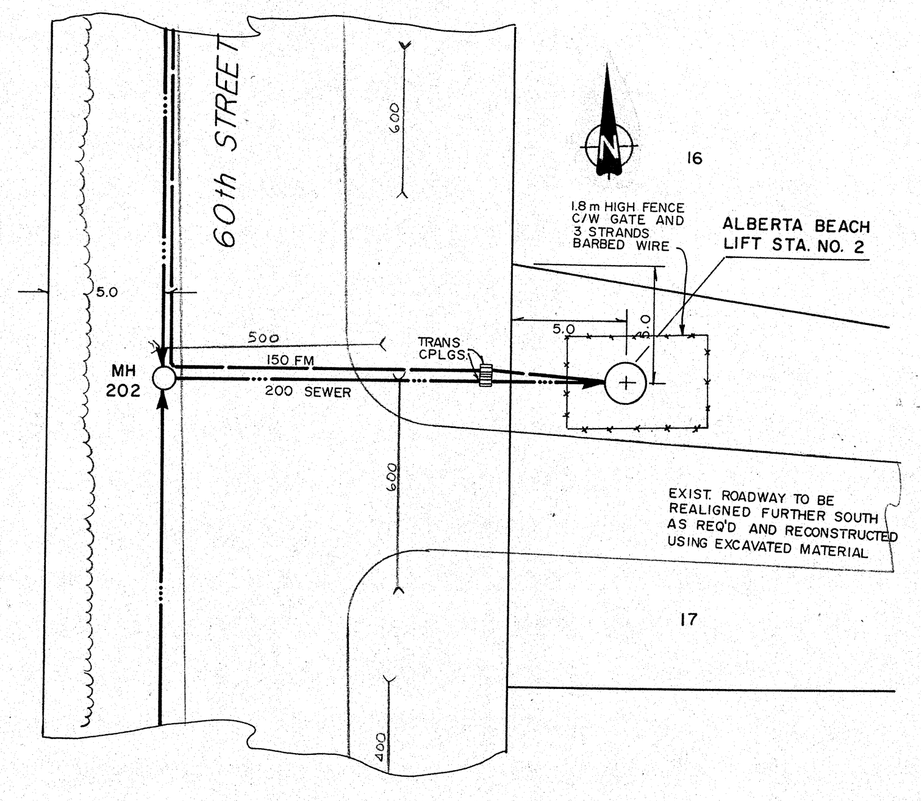
BOLLARD DETAIL

N.T.S.



SEWAGE LIFT STATION - PLAN VIEW

N.T.S.



SITE PLAN

5m 0 1 2m

EQUIPMENT SCHEDULE - ALBERTA BEACH LIFT STATION NO. 2

1 1800 DIA. CONTINUOUSLY WELDED STEEL TANK 6 MM WALL THICKNESS, SAND BLASTED, COATED FOR CORROSION PROTECTION
2 WORK PLATFORM WITH REMOVABLE SECTIONS FOR PUMP ACCESS
3. ALUMINUM HATCH COVERS WITH HINGES, LOCK DEVICES
4 M15 ANCHOR BOLTS 450 X 19
5 C150 X 22 I-BEAM - 2438 LONG (2 REQUIRED)
6 C150 X 22 I-BEAM - 880 LONG (3 REQUIRED)
7 RE-BAR MAT 15M AT 300 EACH WAY
8 38 X 38 X 6 CHAIN FOR PUMP REMOVAL
9 8 KG MAGNESIUM ANODES (2 REQUIRED)
10 230V SINGLE PHASE, FLYGT MODEL 3201 (IMP 438) 3.9 HP, 230 VOLT, SINGLE PHASE, SUBMERSIBLE, SEWAGE PUMPS EACH CAPABLE OF 270 USGPM AT 30'
11 100 MM SCHEDULE 40 STEEL PIPE AND FITTINGS
12 SLIDE RAIL SYSTEM
13 100 MM DISCHARGE BASE ASSEMBLY
14 PROVIDE GRAB BARS ON UNDERSIDE OF HATCH LID
15 PRESSURE GAUGE C/W ISOLATION VALVE
17 MERCURY FLOAT SWITCHES
18 100 MM GATE VALVE C/W EXTENSION STEM TO TOP OF TANK
19 100 MM CHECK VALVE
20 COMBINATION VENTILATION FAN AND HEATER C/W DUCTING TO HIGH WATER LEVEL
21 AIR RELEASE VALVE
22 WALL MOUNTED EXPLOSION PROOF 150 WATT LIFHT FIXTURE
23 CONTROL PANEL, TANK MOUNTED
24 ROTATING LIFTING DAVIT
25 ALARM BEACON MOUNTED ON TOP OF CONTROL PANEL
26 VALVE OPERATOR EXTENSION TO TOP OF TANK. PROVIDE OPERATION WHEELS AT TOP AND NEAR VALVE.
27 EXHAUST VENT

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- AST PEDESTAL
- CSP CULVERT W/DIA.
- FOUND LEGAL MARKER
- PC/WER POLE W/ GUY
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- PC/WER LINE
- GAS LINE
- TELEPHONE LINE

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91/09/03
REVIEWED BY:

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 96-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

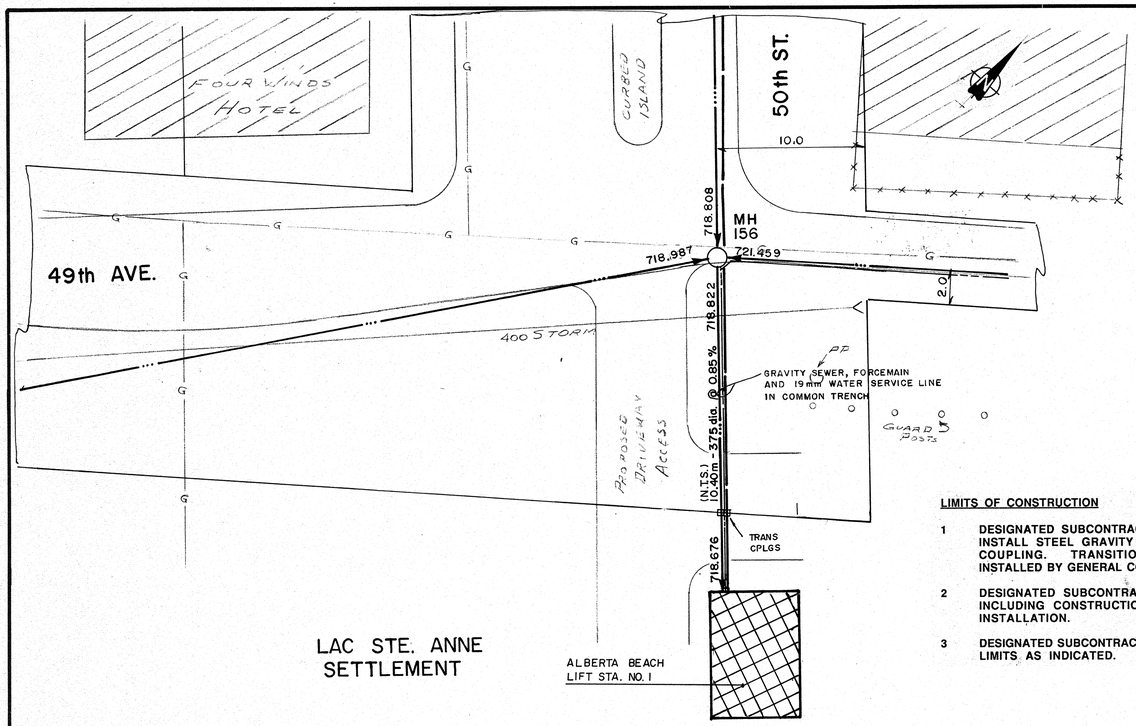
REVISIONS

SCALE: AS SHOWN	PROJECT No.: 60-89-1
DESIGNED BY: EDN	DRAWN BY: DFF
CHECKED BY:	DATE: MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
LIFT STATION NO. 2
DETAILS

SHEET ..... OF ..... DWG. No. LS 2.2



SITE PLAN

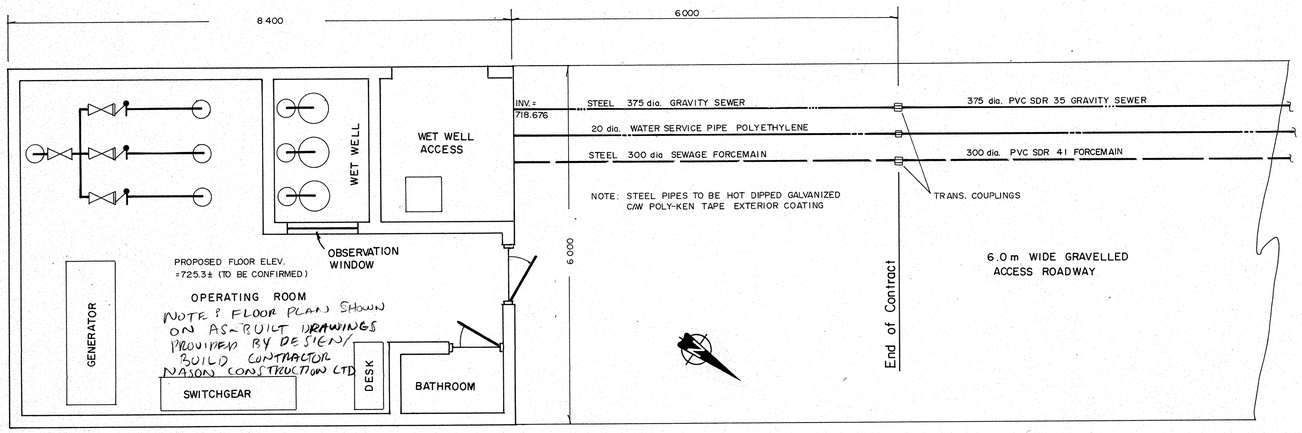
5m 0 1 2m

LIMITS OF CONSTRUCTION

1 **DESIGNATED SUBCONTRACTOR FOR SEWAGE PUMPING STATION TO INSTALL STEEL GRAVITY SEWER AND FORCEMAIN TO TRANSITION COUPLING. TRANSITION COUPLINGS TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.**

2 **DESIGNATED SUBCONTRACTOR TO UNDERTAKE ALL LANDSCAPING INCLUDING CONSTRUCTION OF ACCESS ROADWAY AND CULVERT INSTALLATION.**

3 **DESIGNATED SUBCONTRACTOR TO INSTALL EMERGENCY OVERFLOW TO LIMITS AS INDICATED.**



MAIN FLOOR PLAN

20m 10 0 2m

NOTE: AS-BUILT DRAWINGS FOR MAIN LIFT STATION PROVIDED SEPARATELY.

1. WET WELL

- Precast concrete box sections, 8'-0" x 10'-0" with Kent-seal gaskets
- Precast concrete base, benched to minimize siltation.
- Galvanized grating floors and ladders.
- Aluminum access door.
- Handrails and details to meet Occupational Health and Safety regulations.
- Wet well designed to resist full buoyancy forces in saturated soil conditions.
- Sodium vapour lighting for safety & convenience.

2. FOUNDATION

- Reinforced concrete grade beams.
- Colored structural concrete floors
- Grade beams supported on steel piles to conform to actual soil conditions.

3. SUPERSTRUCTURE

- Color impregnated split-face insulated hollow masonry units.
- Metal doors and frames.
- Glulam beams and wood joist roof construction.
- Cedar shake roof.
- R-20 roof insulation
- Cedar planked ceilings.
- Safety glass window for wet well viewing from dry well area.
- Washroom facilities.
- Q deck mezzanine for heating and ventilation equipment.
- Extruded insulated aluminum rollup shutter doors for wet well access.
- Painted interior walls and floor.

4. PUMPING EQUIPMENT

- Three 47 HP Flygt submersible pumps to meet design conditions, complete with flush valves on all pumps.
- Galvanized guide bars.
- Plug - in type electrical connections for pumps and flush valves.
- Three wet well pumping units for versatility and for economy in electrical power cost by reducing electrical demand charges.
- Provision to add three dry mounted Flygt CT pumps in series with existing units to meet increasing future design conditions.
- Design Condition Each Pump - 30 L/S @ 41.1 m
  474 USgpm @ 135'

5. PIPING

- Welded steel piping, hot dipped galvanized for corrosion resistance.
- Buried pipe Polyken tape wrapped for further corrosion protection.
- 316 stainless steel flange bolting throughout.
- Air release valve bypass, manual air bleed, piping of exhaust to wet well, and connection for clear water flush.
- Auxiliary connection to forcemain from exterior of the facility to allow for emergency portable pumping into forcemain from collection manhole or wet well.

6. EQUIPMENT REMOVAL

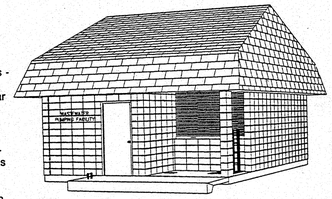
- Pump removal accomplished with three independent chain hoists, trolleys, and trolley beams. *[Entering of wet well is not required.]*
- Truck access to building provided to allow loading of pumps directly from hoist and trolley arrangement.

7. ELECTRICAL

- 600 volt 3 phase electrical service.
- Factory manufactured motor control center including all switch gear, control transformer, splitter, disconnects, breakers, motor starters, and overload protection devices.
- Motor control center is equipped with voltmeters, ammeters, low voltage, single phase, and phase reversal equipment.
- All receptacles are ground fault protected.
- Photocell controlled low pressure sodium exterior lighting.
- Vapour tight fluorescent interior light fixtures.
- Automatic transfer switch.
- 125kw Onan electric generating set c/w remote radiator.

8. VALVING

- All valving located in dry well area for ease of operation and maintenance.
- Isolation valves - Keystone Ballcentric gear operated eccentric plug valves.
- Check valves - Prince B Series with external spring c/w position switch.



- Air release - Apco 2" Model 445 sewage combination air valve c/w backwash accessories.
- Air cylinder operated slide gate on inlet sewer to wet well c/w air compressor.

9. VENTILATION

- Independent ventilation of both wet well and dry well at 6 air changes per hour.
- 60% heat recovery of exhaust air with independent wet well / dry well heat recovery units.
- Supply air discharge 150 mm above high liquid level in wet well with exhaust at ceiling.
- Air filters
- Exhaust fan & motorized louvres for generator cooling.

10. PLUMBING

- Wall hung water closet and stainless steel lavatory.
- Hose bibbs with cross-connection control.
- Floor drains.
- Domestic hot water heater.
- Washdown hose and reel.

11. HEATING

- Raypack natural gas hydronic heating boiler - 325,000 BTU output, Grundfos circulating pumps - Glycol charged.
- Heat recovery ventilators.
- Radiant underfloor heating of dry well areas.

12. SPECIALTIES

- Metal single pedestal desk.
- Chair
- Floor mat
- Washroom accessories - mirror, waste receptacle, soap dispenser
- Fire extinguishers
- Emergency lighting
- Foot scraper
- Building sign
- Equipment labeling

13. INSTRUMENTATION

- Controls manufactured by Token Controls utilizing ultrasonic level sensing.
- Five infinitely adjustable digital input set points for pump start/stop levels and alarm functions.
- Automatic 3 pump alternation.
- Digital output of wet well volume or level.
- Volume pumped totalization.
- Running time metering of each pump.
- Redundant ENH-10 Flygt level regulator to restart and initiate high level alarm indication and telemetry.
- Hand-off-auto selector switches, test switches, indicator pilot lights, eight point alarm telemetry for pump failure, power supply failure, high water level, pump flow failure as sensed by check valve limit switches, low temperature alarm, and wet or dry well ventilation failure.
- Building intrusion alarm.

14. WATER SUPPLY

- 455 litre storage tank and float valve.
- Hydropneumatic pressure system.

15. REQUIREMENTS

- 3 Phase - 600 volt power supply.
- Telephone Service.
- Water Service.
- Natural gas supply.

16. FUTURE PROVISIONS

- Designed for addition of three 13 HP Flygt CT booster pumps to meet future flow requirements.

17. DRAWINGS AND DESIGN

- Computer generated suitable for submission for Environment approval.
- Design certified by professional engineer.

18. OPERATION MANUALS AND COMMISSIONING

- Includes detailed operation manuals, wiring diagrams, commissioning, and operator instruction.

19. WARRANTEE

- One year warrantee on defective materials and workmanship.
- 50% Performance Bond.
- 50% Labour and Materials Bond.
- Optional extended warrantee.

LEGEND

- 719.95 MH — GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- AGT PEDESTAL
- 3400 CSP CULVERT W/DIA.
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91/04/8
REVIEWED BY: _____

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature _____
Date 90 09 17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — D. NASE — 90 09 17

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

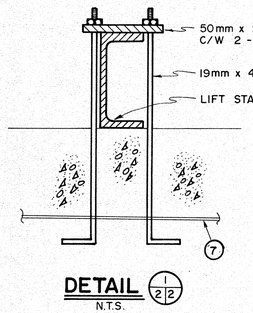
REVISIONS

SCALE: AS SHOWN	PROJECT No.: 60-89-1
DESIGNED BY: EDN	DRAWN BY: DFF / TG
CHECKED BY:	DATE: MAR., 1990

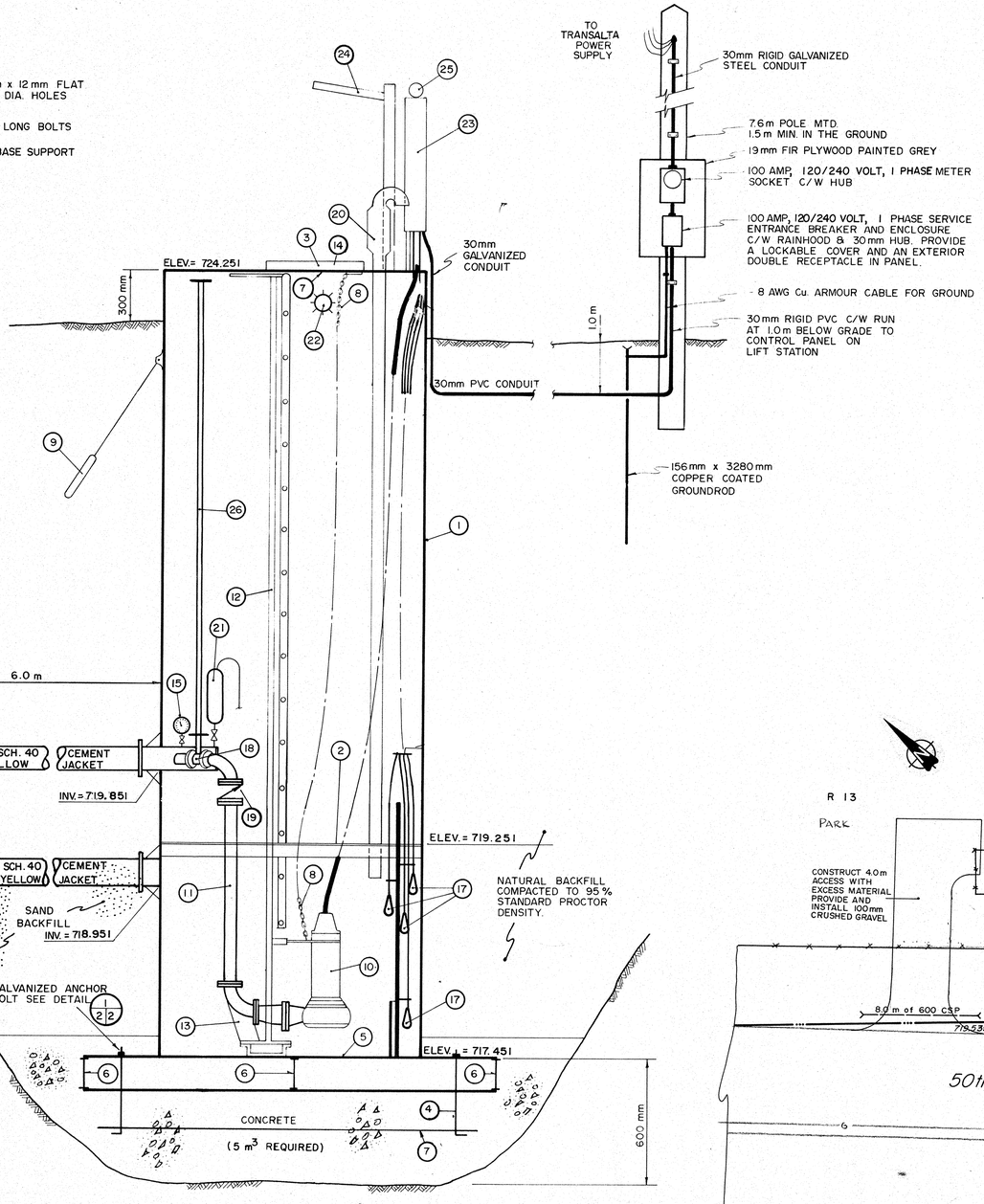
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF ALBERTA BEACH SEWAGE COLLECTION SYSTEM
LIFT STATION NO. 1
(MAIN LIFT STATION)
DETAILS

SHEET ..... OF ..... DWG. No. LS 2.1



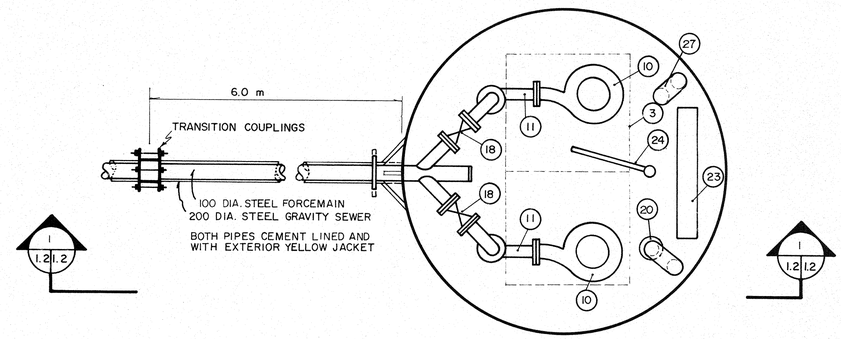
DETAIL (1 / 2 | 2) N.T.S.



SEWAGE LIFT STATION - SECTION (1 / 1.2 | 1.2)

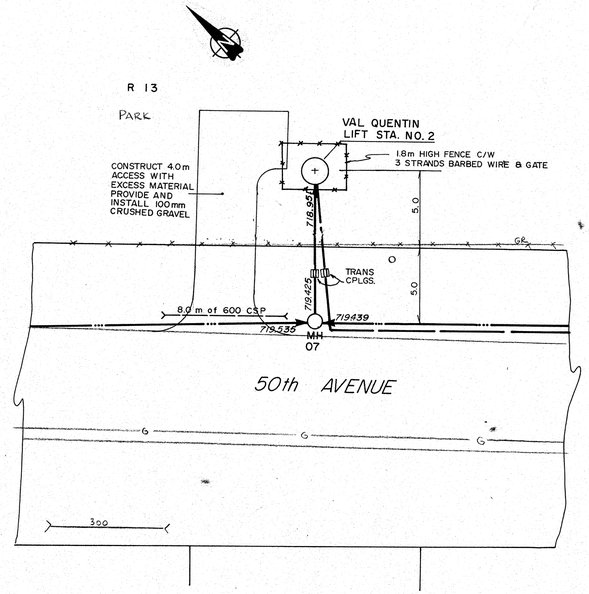
N.T.S.

REFER TO DRAWING D.3 FOR CONCRETE WET WELL ALTERNATE



SEWAGE LIFT STATION - PLAN VIEW

N.T.S.



SITE PLAN

5m 0 1 2m

EQUIPMENT SCHEDULE - VAL QUENTIN LIFT STATION NO. 2

1. 1800 DIA. CONTINUOUSLY WELDED STEEL TANK 6 MM WALL THICKNESS, SAND BLASTED, COATED FOR CORROSION PROTECTION
2. WORK PLATFORM WITH REMOVABLE SECTIONS FOR PUMP ACCESS
3. ALUMINUM HATCH COVERS WITH HINGES, LOCK DEVICES
4. M15 ANCHOR BOLTS 450 X 19
5. C150 X 22 I-BEAM - 2438 LONG (2 REQUIRED)
6. C150 X 22 I-BEAM - 880 LONG (3 REQUIRED)
7. RE-BAR MAT 15M AT 300 EACH WAY
8. 38 X 38 X 6 CHAIN FOR PUMP REMOVAL
9. 8 KG MAGNESIUM ANODES (2 REQUIRED)
10. 230V SINGLE PHASE, FLYGT MODEL 3201 (IMP 433) 3.9 HP, 230 VOLT, SINGLE PHASE, SUBMERSIBLE, SEWAGE PUMPS EACH CAPABLE OF 115 USGPM AT 30'
11. 100 MM SCHEDULE 40 STEEL PIPE AND FITTINGS
12. SLIDE RAIL SYSTEM
13. 100 MM DISCHARGE BASE ASSEMBLY
14. PROVIDE GRAB BARS ON UNDERSIDE OF HATCH LID
15. PRESSURE GAUGE C/W ISOLATION VALVE
17. MERCURY FLOAT SWITCHES
18. 100 MM GATE VALVE C/W EXTENSION STEM TO TOP OF TANK
19. 100 MM CHECK VALVE
20. COMBINATION VENTILATION FAN AND HEATER C/W DUCTING TO HIGH WATER LEVEL
21. AIR RELEASE VALVE
22. WALL MOUNTED EXPLOSION PROOF 150 WATT LIFHT FIXTURE
23. CONTROL PANEL, TANK MOUNTED
24. ROTATING LIFTING DAVIT
25. ALARM BEACON MOUNTED ON TOP OF CONTROL PANEL
26. VALVE OPERATOR EXTENSION TO TOP OF TANK. PROVIDE OPERATION WHEELS AT TOP AND NEAR VALVE.
27. EXHAUST VENT

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91/04/12
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- AST PEDESTAL
- CSP CULVERT W/DIA.
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- POWER LINE
- GAS LINE
- TELEPHONE LINE
- SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 91-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER E. D. NAGY 90/04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE: AS SHOWN	PROJECT No.: 60-89-1
DESIGNED BY: EDN	DRAWN BY: DFF
CHECKED BY:	DATE: MAR., 1990

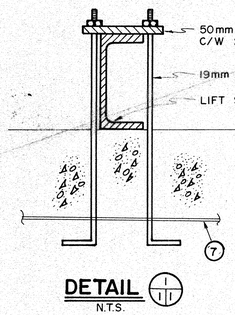
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION

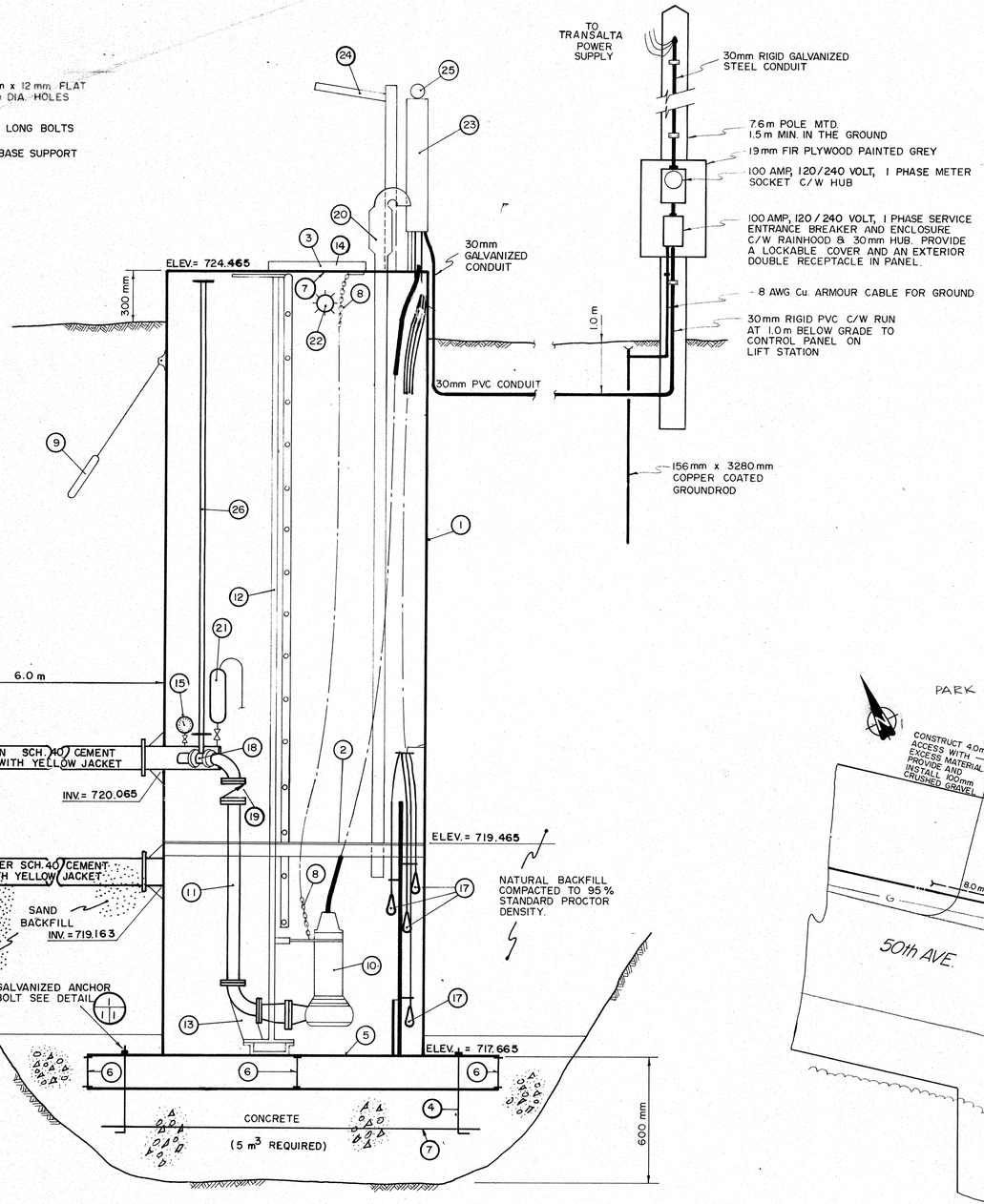
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM

LIFT STATION NO. 2
DETAILS

SHEET ..... OF ..... | DWG. No. LS 1.2

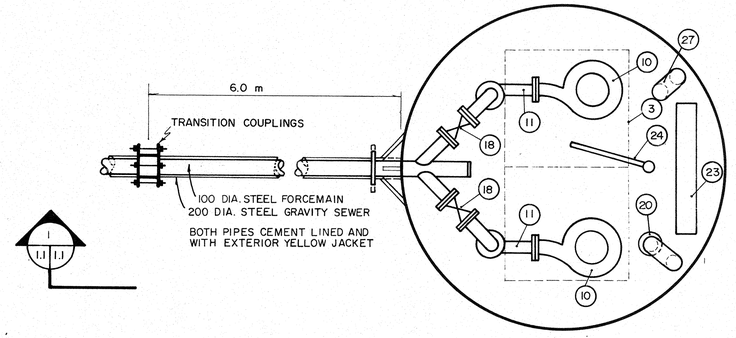


DETAIL (1 | 1.1)
N.T.S.

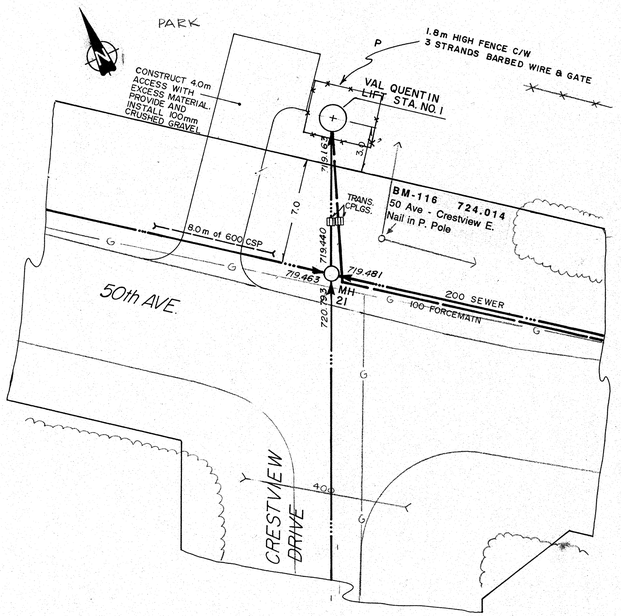


SEWAGE LIFT STATION - SECTION (1 | 1.1 | 1.1)
N.T.S.

REFER TO DRAWING D.3 FOR CONCRETE WET WELL ALTERNATE



SEWAGE LIFT STATION - PLAN VIEW
N.T.S.



SITE PLAN
5m 0 1 2m

EQUIPMENT SCHEDULE - VAL QUENTIN LIFT STATION NO. 1

1 1800 DIA. CONTINUOUSLY WELDED STEEL TANK 6 MM WALL THICKNESS, SAND BLASTED, COATED FOR CORROSION PROTECTION
2 WORK PLATFORM WITH REMOVABLE SECTIONS FOR PUMP ACCESS
3. ALUMINUM HATCH COVERS WITH HINGES, LOCK DEVICES
4 M15 ANCHOR BOLTS 450 X 19
5 C150 X 22 I-BEAM - 2438 LONG (2 REQUIRED)
6 C150 X 22 I-BEAM - 880 LONG (3 REQUIRED)
7 RE-BAR MAT 15M AT 300 EACH WAY
8 38 X 38 X 6 CHAIN FOR PUMP REMOVAL
9 8 KG MAGNESIUM ANODES (2 REQUIRED)
10 230V SINGLE PHASE, FLYGT MODEL 3201 (IMP 433) 3.9 HP, 230 VOLT, SINGLE PHASE, SUBMERSIBLE, SEWAGE PUMPS EACH CAPABLE OF 115 USGPM AT 30'
11 100 MM SCHEDULE 40 STEEL PIPE AND FITTINGS
12 SLIDE RAIL SYSTEM
13 100 MM DISCHARGE BASE ASSEMBLY
14 PROVIDE GRAB BARS ON UNDERSIDE OF HATCH LID
15 PRESSURE GAUGE C/W ISOLATION VALVE
17 MERCURY FLOAT SWITCHES
18 100 MM GATE VALVE C/W EXTENSION STEM TO TOP OF TANK
19 100 MM CHECK VALVE
20 COMBINATION VENTILATION FAN AND HEATER C/W DUCTING TO HIGH WATER LEVEL
21 AIR RELEASE VALVE
22 WALL MOUNTED EXPLOSION PROOF 150 WATT LIFHT FIXTURE
23 CONTROL PANEL, TANK MOUNTED
24 ROTATING LIFTING DAVIT
25 ALARM BEACON MOUNTED ON TOP OF CONTROL PANEL
26 VALVE OPERATOR EXTENSION TO TOP OF TANK. PROVIDE OPERATION WHEELS AT TOP AND NEAR VALVE.
27 EXHAUST VENT

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91/04/02
REVIEWED BY:

LEGEND
- 719.25 MH — GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- AGT PEDESTAL
- 300 — CSP CULVERT W/DIA.
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- FENCE (WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW)
- GAS REGULATOR STATION
- P — POWER LINE
- G — GAS LINE
- T — TELEPHONE LINE
- ♥ SERVICE CONNECTION

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 92-04-12
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA — E. D. NASH — 92-04-12

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

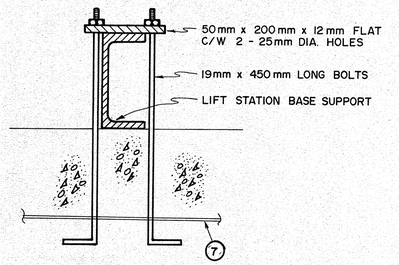
REVISIONS

SCALE: AS SHOWN	PROJECT No.: 60-89-1
DESIGNED BY: EDN	DRAWN BY: DFF
CHECKED BY:	DATE: MAR., 1990

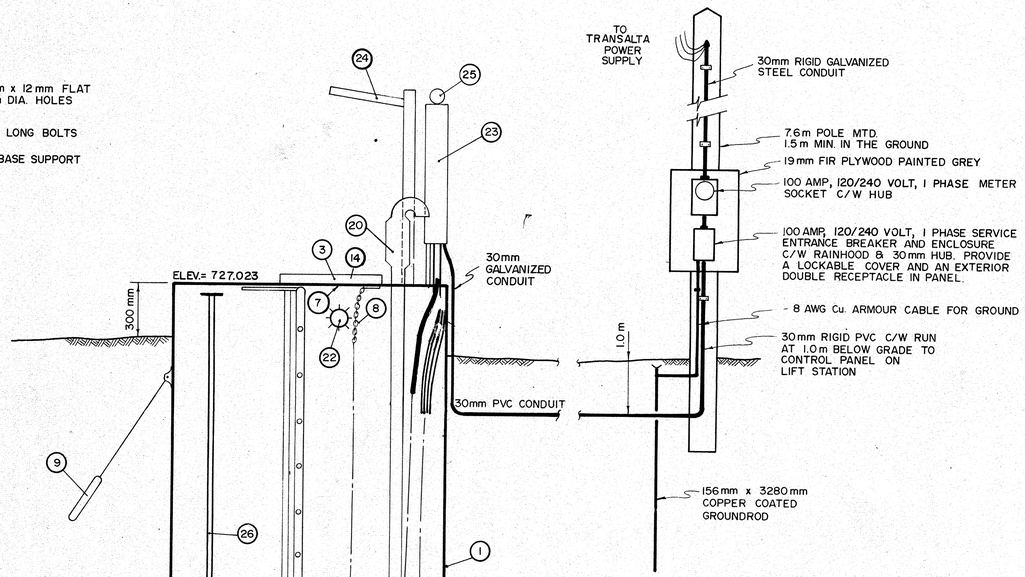
SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION
SUMMER VILLAGE OF VAL QUENTIN
SEWAGE COLLECTION SYSTEM
LIFT STATION NO. 1
DETAILS

SHEET ..... OF ..... DWG. No. LS 1.1

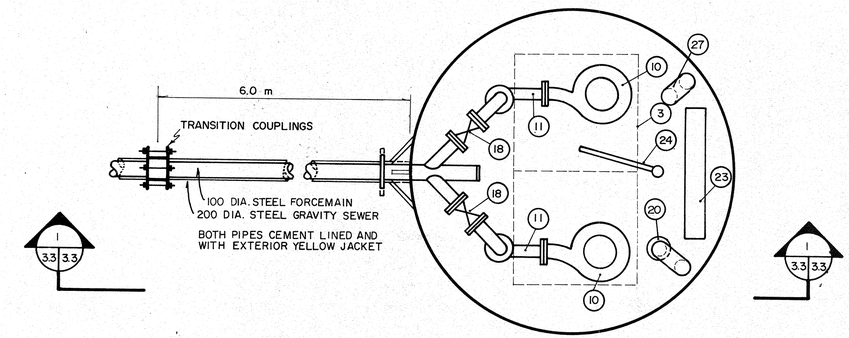


DETAIL (1/3.3) N.T.S.

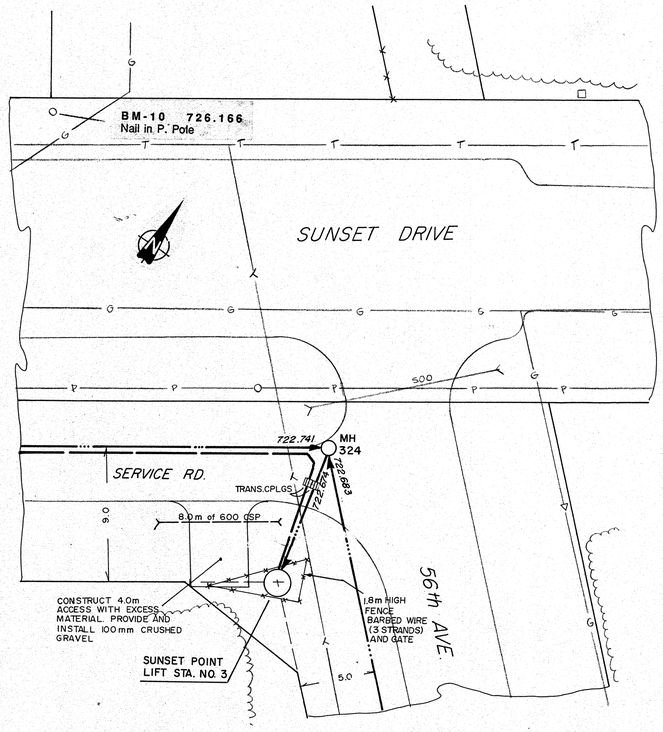


SEWAGE LIFT STATION - SECTION (1/3.3) N.T.S.

REFER TO DRAWING D.3 FOR CONCRETE WET WELL ALTERNATE



SEWAGE LIFT STATION - PLAN VIEW N.T.S.



SITE PLAN

5m 0 1 2m

EQUIPMENT SCHEDULE - SUNSET POINT LIFT STATION NO. 3

1	1800 DIA. CONTINUOUSLY WELDED STEEL TANK 6 MM WALL THICKNESS, SAND BLASTED, COATED FOR CORROSION PROTECTION
2	WORK PLATFORM WITH REMOVABLE SECTIONS FOR PUMP ACCESS
3 .	ALUMINUM HATCH COVERS WITH HINGES, LOCK DEVICES
4	M15 ANCHOR BOLTS 450 X 19
5	C150 X 22 I-BEAM - 2438 LONG (2 REQUIRED)
6	C150 X 22 I-BEAM - 880 LONG (3 REQUIRED)
7	RE-BAR MAT 15M AT 300 EACH WAY
8	38 X 38 X 6 CHAIN FOR PUMP REMOVAL
9	8 KG MAGNESIUM ANODES (2 REQUIRED)
10	230V SINGLE PHASE, FLYGT MODEL 3201 (IMP 433) 3.9 HP, 230 VOLT, SINGLE PHASE, SUBMERSIBLE, SEWAGE PUMPS EACH CAPABLE OF 115 USGPM AT 30'
11	100 MM SCHEDULE 40 STEEL PIPE AND FITTINGS
12	SLIDE RAIL SYSTEM
13	100 MM DISCHARGE BASE ASSEMBLY
14	PROVIDE GRAB BARS ON UNDERSIDE OF HATCH LID
15	PRESSURE GAUGE C/W ISOLATION VALVE
17	MERCURY FLOAT SWITCHES
18	100 MM GATE VALVE C/W EXTENSION STEM TO TOP OF TANK
19	100 MM CHECK VALVE
20	COMBINATION VENTILATION FAN AND HEATER C/W DUCTING TO HIGH WATER LEVEL
21	AIR RELEASE VALVE
22	WALL MOUNTED EXPLOSION PROOF 150 WATT LIFHT FIXTURE
23	CONTROL PANEL, TANK MOUNTED
24	ROTATING LIFTING DAVIT
25	ALARM BEACON MOUNTED ON TOP OF CONTROL PANEL
26	VALVE OPERATOR EXTENSION TO TOP OF TANK. PROVIDE OPERATION WHEELS AT TOP AND NEAR VALVE.
27	EXHAUST VENT

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
AS-BUILT
DATE: 91/04/08
REVIEWED BY:

LEGEND

- GRAVITY SEWER, MANHOLE, INVERT, AND DIRECTION OF FLOW
- FORCEMAIN
- AST PEDESTAL
- CSP CULVERT W/DIA.
- FOUND LEGAL MARKER
- POWER POLE W/ GUY
- FENCE [WF-WIRE, CLF-CHAIN LINK, BF-BOARD, RF-RAIL, GR-GUARDRAIL, SF-SNOW]
- GAS REGULATOR STATION
- POWER LINE
- GAS LINE
- TELEPHONE LINE

PERMIT TO PRACTICE
SIEMENS ENGINEERING SERVICES LTD.
Signature
Date 90-04-17
PERMIT NUMBER: P 2998
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA D. NASH 90.04.17

No.	DATE	DESCRIPTION	BY	APP
1	11/90	AS BUILT	DF	PM

REVISIONS

SCALE: AS SHOWN	PROJECT No.: 60-89-1
DESIGNED BY: EDN	DRAWN BY: DFF
CHECKED BY:	DATE: MAR., 1990

SIEMENS
SIEMENS ENGINEERING SERVICES LTD.
CIVIL & MUNICIPAL ENGINEERS
DEVELOPMENT CONSULTANTS • PLANNERS

TRI-VILLAGE REGIONAL SEWAGE COMMISSION

SUMMER VILLAGE OF SUNSET POINT
SEWAGE COLLECTION SYSTEM

LIFT STATION NO. 3
DETAILS

SHEET ..... OF ..... DWG. No. LS 3.3