NOTES:

1. ALL MEASUREMENTS ARE APPROXIMATE ACTUAL LOCATION TO BE MADE IN FIELD
2. WATER SYSTEM REFERENCED TO CENTER OF ROAD STATIONING
3. MIN. BEND RADIUS: 5' AT 200', 25' AT 200'

LINE "A"
SCALE: 1"=100'

LINE "B"
SCALE: 1"=100'

2260
2240
2220
2200
2180
2160
INSTALL 6" TEE
INSTALL 6" GATE VALVE
INSTALL 6" GATE VALVE
INSTALL 6" GATE VALVE
INSTALL 6" TEE
INSTALL COURSE SERVICE
INSTALL 6" TEE
INSTALL COURSE SERVICE
INSTALL 1" BLOWOFF
INSTALL 6" GATE VALVE
INSTALL 6" GATE VALVE
INSTALL 6" GATE VALVE

NOTES:
1. ALL MEASUREMENTS ARE APPROXIMATE ACTUAL LOCATIONS TO BE MADE IN FIELD
2. WATER SYSTEM REFERENCED TO CENTER OF ROAD STATIONING
3. MIN. BEND RADIUS: 3" AT 200', 2½" AT 200'.

THIS PLAN REPRESENTS THE AS BUILT WATER SYSTEM. AIR VAC VALVE ASSEMBLY DESIGN OF VACUUM NOT INSTALLED.
Brian D. McNeil 11/16/81

APPROVED
FOR CONSTRUCTION
BY _____ DATE OCT 22 1979

DROMORE ADDITION
BAYVIEW, IDAHO

WATER SYSTEM
LINE "C" & LINE "D"

NO.	DATE	REVISIONS	BY	APPR
△				
△				
△				
△				
△				

DES.	DR.	CHK.	APPD.	DATE
	CEP		BCM	10/5/79

WINZLER & KELLY
CONSULTING ENGINEERS
801 GOVERNMENT WAY · COEUR D'ALENE, ID. · (208) 667-2847

JOB NO. 77-50C
SHEET 10 OF 10

PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.
46 7006 MADE IN U.S.A.

PLAN
NOTE BOOK
SURVEYED
PLOTTED
CHECKED
DRAWN
No.
DATE

PROFILE
NOTE BOOK
SURVEYED
PLOTTED
CHECKED
DRAWN
No.
DATE

TANK SITE TOPOGRAPHY

1"=10'-0" 1' CONTOUR INTERVAL

A/11 SECTION "A-A" (SEE DETAILED DRAWINGS ON SHEET 12)

SCALE: 1"=10'

SUMP FOR OVERFLOW DRAIN

(1/2"=1'-0")

THIS PLAN REPRESENTS THE AS-BUILT WATER SYSTEM.
Brian D. Mickelsen 11/10/01

APPROVED
FOR CONSTRUCTION
BY _____ DATE OCT 22 1979

NO.	DATE	REVISIONS	BY	APPR.
△				
△				
△				
△				
△				

DES.	DR.	CHK.	APPD.	DATE
JDS	MJC/L	KBS		10/15/79

DROMORE ADDITION
BAYVIEW IDAHO

TANK SITE PLAN

WINZLER & KELLY
CONSULTING ENGINEERS
2301 GOVERNMENT WAY, COEUR D'ALENE, IDAHO

JOB NO. 77-505
SHEET 11 OF 16

CAMPBELL COPY CO., PORTLAND, OR.

PLAN VIEW OF WATER TANK
(3/8"=1'-0")

1 TYPICAL INSTRUMENT PIPE BRACING DETAIL
(1"=1'-0")

4 INSTRUMENTATION SET-UP
(1"=1'-0")

2 DRAIN PIPE DETAIL
(3/8"=1'-0")

3 HATCH COVER
(3/4"=1'-0")

TOP VIEW OF COVER
(3/4"=1'-0")

PROFILE OF TANK
(3/8"=1'-0")

5 TYPICAL TANK TIE DOWN
(1"=1'-0")

NOTES:

1. ALL PIPE EXPOSED TO WEATHER SHALL BE GALVANIZED IRON WRAPPED IN INSULATION WITH SEALED ALUMINUM JACKET.
2. ALUMINUM JACKET SHALL BE 28 GA. MINIMUM.
3. CONCRETE SLAB SHALL BE CAST IN PLACE AGAINST ROCK FACE. 28 DAY CONCRETE STRENGTH SHALL BE 3000 PSI.
4. TANK SHALL BE A 11 FT. DIA. X 18 FT. HIGH USED STEEL TANK W/A MAX. STORAGE CAPACITY OF 1,328 GALLONS.
5. TANK INSIDE SHALL BE SANDBLASTED AND PAINTED W/AN AWWA APPROVED PAINT.
6. PROVIDE 2' PIT FUL GRAVEL SUMP AT END OF OVERFLOW PIPE TO PREVENT EROSION, SEE DETAIL.
7. ANCHOR BOLTS AND TIE DOWN ANGLES SHALL BE ASTM A-36 STEEL. TANK TIE DOWNS SHALL BE EQUALLY SPACED, 6 REQ'D, AROUND PERIMETER OF TANK.
8. CONCRETE, SLAB & REINFORCEMENT SHALL BE ASTM A-615, GRADE 40 DEFORMED BARS.
9. TANK INSTRUMENTATION SHALL BE STAINLESS STEEL PROBES. PUMP TO SWITCH ON AT 11' LEVEL & TO SWITCH OFF AT 16' LEVEL OF WATER ABOVE THE TANK FLOOR.
10. A HEATER SHALL BE INSTALLED IN THE INSTRUMENTATION PIPE TO PREVENT WATER FROM FREEZING. HEATER SHALL BE 550 WATTS MINIMUM.
11. INSTRUMENTATION PIPE SHALL BE SUPPORTED AT ITS QUARTER POINTS.
12. INSULATION SHALL HAVE A "K" VALUE OF .36 BTU/HR. PER DEG. F. PER 1" THICKNESS.
13. POWER FOR HEAT TAPE SHALL BE #12 UTILITY ON/OFF SWITCH SHALL BE A FILLED BULB CONTROL INSERTED IN THE WATER LINE, SET POINT AT 40°F, CHEMELEX OR EQUAL.
14. HEAT TRACE TAPE SHALL BE WRAPPED AROUND GALV. IRON PIPE & BE CAPABLE OF 4 WATTS PER FOOT.

$\Delta V = \frac{7.48(5'10")\pi}{4} = 2237$ gallons

THIS PLAN REPRESENTS THE AS-BUILT WATER SYSTEM
Brian D. Mehl 11/16/81

REGISTERED PROFESSIONAL ENGINEER BRIAN D. MEHL STATE OF IDAHO

REGISTERED PROFESSIONAL ENGINEER 2441 STATE OF IDAHO

APPROVED FOR CONSTRUCTION
BY _____ DATE OCT 22 1979

DROMORE ADDITION
BAYVIEW, IDAHO

STORAGE TANK

NO.	DATE	REVISIONS	BY	APPR

DES.	DR.	CHK.	APRD.	DATE
JAS	CTRAUL	KBS		10/15/79

WINZLER & KELLY
CONSULTING ENGINEERS
1701 GOWEN-MELDT WAY, COEUR D'ALENE, IDAHO

JOB NO. 79-505
SHEET 12 OF 16

SUMMER COVE – UTILITIES PLAN

KEY

- —S— Sanitary Sewer
- —W— Water
- O — Sanitary Sewer Cleanout
- ⊗ — Gate Valve
- Ꞁ - Fire Hydrant
- D — Water Service Meter Box
- ⊢— — Sanitary Sewer Service Stub
- ○D — Drywell/Catch Basin
- ○ — 2" Blowoff
- ◀ — Traffic Signage

PRELIMINARY PLAT OF
SUMMER COVE
UTILITIES PLAN
SLH DEVELOPERS

SEITZ ENGINEERING
6175 N. 17th
Coeur d'Alene, ID 83814

Summer Cove

SUMMER COVE ROADWAY PLANS

SEITZ ENGINEERING
5172 N 17th
Coeur d'Alene, ID 83814

Keuffel & Esser Company PLATE 1, PLAN-PROFILE
46 7308 Made in U.S.A.

TRENCH AND BACKFILL DETAIL

NO SCALE

GRAVITY SERVICE LATERAL DETAIL

NO SCALE

PRESSURE TO GRAVITY SERVICE LATERAL

NO SCALE

NOTE: *D or 12" whichever is greater.
** Mechanical compacted backfill. Place in 6" layers.

TYPICAL CULVERT INSTALLATION

NTS.

CATCH BASIN & DRYWELL INSTALLATION

NTS.

CASED PIPE DETAIL

NO SCALE

GRAVITY CLEANOUT WITH CONCRETE COLLAR

NO SCALE

NOTES

It is required that an Engineer be retained for inspection activities during project construction so that Certified Record drawings can be prepared in accordance with Sec. 39-118 of Idaho Code. Plans must be resubmitted for review and approval if construction is not initiated within one year of the date of approval.

The Bayview Water and Sewer District will own and maintain sanitary sewer utilities within the right of way.

Bayview Water and Sewer District will own and maintain water supply facilities within the right of way.

All road construction shall be in accordance with the latest edition of the Highway Standards for the Associated Highway Districts of Kootenai County, Idaho. Contractor to verify location of existing utilities, and shall secure appropriate permit from Lakes Highway District prior to construction.

All materials, installation, and workmanship shall meet the requirements set forth in the 1984 Edition of the Idaho standards for Public Works Construction (ISPWC) unless revised by any of the following articles.

(A) Mainline water piping shall be 6" class 160 pressure rated O-Ring PVC SDR-26 with a minimum burial of 4'-6" to top of pipe.

(B) Water service lines shall be: Double service - 1 1/4 IPS HD-Polyethelyne SDR-9, single service - 3/4 IPS HD - Polyethelyne SDR-9.

(C) Utility trench bedding shall be Type 1. See ISPWC Sec. 303.1 Type 1 pipe bedding.

(D) Backfull/compaction where pipline crosses existing road shall be Type A-1, and the Asphalt cut into the existing road must be made with a neat cut, repaired with plant mix pavement one foot wider than the trench width on each side. A minimum 2-inch patch depth is required over full depth 3/4 inch crushed aggregate backfill. All other backfilling shall meet the requirements of the ISPWC, see detail sheet 3 of 3.

(E) Disinfection shall be by the tablet method. See ISPWC Sec. 407.7.3.

(F) Testing shall conform to Sec. 406 ISPWC Hydrostatic testing and shall be at a pressure of not less than 1.5 times the static pressure at the point of test.

(G) Fire Hydrants shall be as specified in ISPWC Standard Drawing No. SD-401.

(H) Concrete blocking shall be in conformance with ISPWC Standard drawing No. SD-403.

(I) The contractor is required to guarantee the material and installation for a period of one year following date of acceptance.

(J) Magnetic location tape shall be buried with mainline sewer pipe.

TYPICAL NEW SERVICE DETAIL

DOUBLE SERVICE PLAN

WATER SERVICE

PRELIMINARY PLAT C
SUMMER COVE
DETAILS AND NOTE
FOR
CONSTRUCTION

SEITZ ENGINEERING
6175 N. 17th
Coeur d'Alene, ID. 83814

REFLECTION RIDGE SUBDIVISION

CONSTRUCTION PLANS

BAYVIEW

KOOTENAI COUNTY, IDAHO

OWNER

BULL'S - EYE DEVELOPMENT
Doug and Lorraine Landwehr
P.O. Box 1746
Hayden Lake, Idaho 83835
(208) 683-2963

ENGINEER

J-U-B ENGINEERS, INC.
2005 Ironwood Parkway, Suite 201 . Coeur d'Alene, Idaho 83814
Telephone (208) 667-1574
Fax (208) 667-2176

VICINITY MAP
NOT TO SCALE

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	CONTOUR [illegible]
3	MOON BEAM [illegible]
4	HUDSON BAY [illegible]
5	STUB'S [illegible]
6	ACCESS [illegible]
7	STREET [illegible]
8	UTILITY PLAN [illegible]
9	SEWER PROFILE [illegible]
10	SEWER PROFILE [illegible]
11	SEWER PROFILE [illegible]
12	CONSTRUCTION [illegible]

RECORD DRAWINGS
DATE: FEBRUARY 5, 1993

LEGEND

- LOT LINE
- SUBDIVISION BOUNDARY LINE
- EDGE OF (EXISTING) ROAD
- CENTER LINE
- EXISTING DITCH
- PROPOSED 6" SEWER LINE
- WATER LINE
- EASEMENT LINE
- 2120 CONTOUR (PRIMARY)
- CONTOUR (SECONDARY)
- ROAD WAY (NEW)
- FIRE HYDRANT (NEW)
- WS WATER SERVICE
- WATER VALVE
- SEWER STUB
- WATERMAN HOLE (NEW)
- MANHOLE DRYWELL
- C.O. SEWER CLEANOUT (NEW)
- SEWER CLEANOUT (See Details Sheet 12 of 12)
- WATER LINE CASING
- EXISTING FENCE
- EXISTING OVERHEAD UTILITY
- PROPOSED OVERHEAD UTILITY
- 208 SWALE AREA
- PROPOSED DITCH ALIGNMENT
- BLOCK BOUNDARIES
- EXISTING SIGN
- DRAINAGE BOUNDARY
- DRAINAGE AREA

GENERAL NOTES

1. All water, sewer, storm sewer and road construction shall be in accordance with the 1990 Idaho Standards for Public Works Construction and/or the 1988 Highway Standards for the Associated Highway Districts, Kootenai County, Idaho.
2. Utility locations are plotted from the best available information. Actual field location may vary from the plans. It is the contractors responsibility to contact utility companies for actual locations. Ask operator for Zenith 9162.

COMPACTION TESTING REQUIREMENTS

1. Roadways – a minimum of 1 compaction test per 100 feet of each travel lane shall be taken on subgrade and each aggregate gravel course.
2. Trenches – a minimum of 3 compaction tests shall be taken within a maximum distance of 300 feet of trench for Type "A" and Type "B" trenches. Tests shall be taken at various depths as directed by the Engineer.

NOTE:
ACCESS DRIVEWAYS ARE SHOWN AS CONSTRUCTED AT THIS TIME. FOR FUTURE ACCESS CONSTRUCTION SEE DESIGN CONSTRUCTION DRAWING.

RECORD DRAWINGS
Joel W. Petty 2-5-93
Joel W. Petty P.E.

RECORD DRAWING CERTIFICATIONS
These Record Drawings represent the locations of improvements based on field observations made during construction.

THIS DRAWING, INFORMATION AND SUBJECT MATTER ARE THE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF J-U-B ENGINEERS, INC. AND ARE NOT TO BE COPIED, REPRODUCED, USED IN ANY MATTER WHATSOEVER, OR SUBMITTED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF J-U-B ENGINEERS, INC.

REFLECTION
BAYVIEW
CONTOUR
RECORD

JUB

SCALE: 1"=40'

TYPICAL MOONBEAM COURT SECTION

NOT TO SCALE
ACAD FILE: BAYTYP.DWG
PLOT SCALE: 1=20

RECORD DRAWING CERTIFICATIONS

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RECORD DRAWINGS
2-5-93
Joel W. Peffy, P.E.

TYPICAL SECTION FOR ACCESS ROADS

NOT TO SCALE
ACAD FILE: BAYTYP.DWG
PLOT SCALE: 1=20

COMPACTION TESTING REQUIREMENTS

1. Roadways –
   a minimum of 1 compaction test per 100 feet of each travel lane shall be taken on subgrade and each aggregate gravel course.
2. Trenches –
   a minimum of 3 compaction tests shall be taken within a maximum distance of 300 feet of trench for Type "A" and Type "B" trenches. Tests shall be taken at various depths as directed by the Engineer.

REFLECTION RIDGE SUBDIVISION
BAYVIEW, IDAHO

PLAN AND PROFILE - RECORD DWG
MOONBEAM COURT

J-U-B ENGINEERS, INC
Engineers Surveyors Planners
Coeur d'Alene, Idaho

SCALE: 1" = 20'

DATE 1-20-93	FILE 0120-REC.DWG/PLT.SC (1=20)	
DR. JP	CH. JP	SHEET 3 OF 12
DWG. NO. 0910212-1		

COMPACTION TESTING REQUIREMENTS

1. Roadways –
   a minimum of 1 compaction test per 100 feet of each travel lane shall be taken on subgrade and each aggregate gravel course.

2. Trenches –
   a minimum of 3 compaction tests shall be taken within a maximum distance of 300 feet of trench for Type "A" and Type "B" trenches. Tests shall be taken at various depths as directed by the Engineer.

NOTE:
ACCESS DRIVEWAYS ARE SHOWN AS CONSTRUCTED AT THIS TIME. FOR FUTURE ACCESS CONSTRUCTION SEE DESIGN CONSTRUCTION DRAWING.

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RECORD DRAWINGS
2-5-93
Jack W. Petty P.E.

REFLECTION RIDGE SUBDIVISION
BAYVIEW, IDAHO

PLAN AND PROFILE – RECORD DWG
HUDSON BAY ROAD AT HWY. 54

J-U-B ENGINEERS, INC.
Engineers Surveyors Planners
Coeur d'Alene, Idaho

ACAD.DWG FILE 212B-REC.DWG(PLT.SC.(1=20))
DES. EWM | DR. JpS | CH. JP | SHEET 4 OF 12
SCALE: 1"=20' | DATE: FEBRUARY, 1991 | DWG.NO. C91-0212-4

COMPACTION TESTING REQUIREMENTS

1. Roadways –
   a minimum of 1 compaction test per 100 feet of each travel lane shall be taken on subgrade and each aggregate gravel course.
2. Trenches –
   a minimum of 3 compaction tests shall be taken within a maximum distance of 300 feet of trench for Type "A" and Type "B" trenches. Tests shall be taken at various depths as directed by the Engineer.

RECORD DRAWING CERTIFICATIONS

These Record Drawings represent the locations of improvements based on field observations made during construction.

NOTE:
ACCESS DRIVEWAYS ARE SHOWN AS CONSTRUCTED AT THIS TIME. FOR FUTURE ACCESS CONSTRUCTION SEE DESIGN CONSTRUCTION DRAWING.

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RECORD DRAWINGS

REFLECTION RIDGE SUBDIVISION
BAYVIEW, IDAHO

STUB'S STREET
PLAN AND PROFILE –RECORD DWG

J-U-B ENGINEERS, INC.
Engineers Surveyors Planners
Coeur d'Alene, Idaho

ACAD.DWG FILE: 212C-REC.DWG	PLT.SC. (1=20)
DES. JWP DR. JIH CH. JWP	SHEET 5 OF 1
SCALE: AS SHOWN	DATE: FEBRUARY, 1991 DWG.NO. C910212-

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RECORD DRAWING CERTIFICATIONS

These Record Drawings represent the locations of improvements based on field observations made during construction.

NOTE:
ACCESS DRIVEWAYS ARE SHOWN AS CONSTRUCTED AT THIS TIME. FOR FUTURE ACCESS CONSTRUCTION SEE DESIGN CONSTRUCTION DRAWING.

REFLECTION RIDGE SUBDIVISI
BAYVIEW, IDAHO

ACCESS EASEMENT HIGHWAY 54
PLAN AND PROFILE – RECORD DW

J-U-B ENGINEERS, INC
Engineers Surveyors Planners
Coeur d'Alene, Idaho

ACAD.DWG	FILE: 212A-REC.DWG(PLT.SC.		
DES. JWP	DR. JIH	CH. JWP	SHEET
SCALE: AS SHOWN	DATE: FEBRUARY, 1991	DWG.NO.	

SECTION D–D

SCALE: 1"=10'

CROSS SECTION A–A

NOT TO SCALE

ACAD. FILE: BAYTYP4.DWG
PLOT SCALE: 1=20

CROSS SECTION C–C

NOT TO SCALE

ACAD: MIKE–TYP.DWG

PROPOSED TYPICAL SECTION FOR HUDSON BAY ROADWAY

NOT TO SCALE

CROSS SECTION B–B

NOT TO SCALE

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RECORD DRAWINGS 2-5-93

Joel W. Petty P.E.

Revised April, 1991

NO.	DESCRIPTION OF REVISION	APPR

REFLECTION RIDGE SUBDIVISION
BAYVIEW, IDAHO

STREET DETAILS
RECORD DRAWINGS

J–U–B ENGINEERS, INC.
Engineers Surveyors Planners
Coeur d'Alene, Idaho

ACAD.DWG FILE: BSTDETL | PLT.SC.
DES. MRL | DR. JTH | CK. | SHEET
SCALE: AS SHOWN | DATE: MARCH, 1991 | DWG.NO.

PROJECT NO. :

DATE/TIME OF PLOT:

GENERAL NOTES

1. All water, sewer, storm sewer and road construction shall be in accordance with the 1990 Idaho Standards for Public Works Construction and/or the 1988 Highway Standards for the Associated Highway Districts, Kootenai County, Idaho.
2. Utility locations are plotted from the best available information. Actual field location may vary from the plans. It is the contractors responsibility to contact utility companies for actual locations. Ask operator for Zenith 9162.
3. Sewer and water connections along Hudson Bay Road should be coordinated and constructed in conjunction with Bayview sewer construction along Hudson Bay Road. See trench backfill detail.
4. Water and sewer lines to be constructed with 4.5' minimum depth of cover. Where sewer line crosses water main lines, encasement may be necessary (per 10 State Standards). See water sewer crossing detail sheet.

COMPACTION TESTING REQUIREMENTS

1. Roadways –
   a minimum of 1 compaction test per 100 feet of each travel lane shall be taken on subgrade and each aggregate gravel course.
2. Trenches –
   a minimum of 3 compaction tests shall be taken within a maximum distance of 300 feet of trench for Type "A" and Type "B" trenches. Tests shall be taken at various depths as directed by the Engineer.

RECORD DRAWINGS
2-5-93
Jody W. Petty P.E.

RECORD DRAWING CERTIFICATIONS

These Record Drawings represent the locations of improvements based on field observations made during construction.

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NOTE:
ACCESS DRIVEWAYS ARE SHOWN AS CONSTRUCTED AT THIS TIME. FOR FUTURE ACCESS CONSTRUCTION SEE DESIGN CONSTRUCTION DRAWING.

REFLECTION RIDGE SUBDIVISION
BAYVIEW, IDAHO

UTILITY PLAN – RECORD DWG

J-U-B ENGINEERS, INC.
Engineers Surveyors Planner
Coeur d'Alene, Idaho

ACAD.DWG FILE: BAYUTREC.DWG PLT.SC. (1=40)			
DES. JWP	DR. JFH	CH. JWP	SHEET 8 OF 12
SCALE: AS SHOWN	DATE: FEBRUARY, 1991	DWG.NO.	

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RECORD DRAWINGS
2-3-93
John W. Petty P.E.

NO.	DESCRIPTION OF REVISION	BY	APPR.

REFLECTION RIDGE SUBDIVISION
BAYVIEW, IDAHO

SEWER PROFILE
SEWER LINE "A2" AND "C" RECORD DWG.

J-U-B ENGINEERS, INC.
Engineers Surveyors Planners
Coeur d'Alene, Idaho

ACAD.DWG FILE: BSEW2REC.DWGPLT.SC.(1=2)
DES. MRL | DR. JJH | CH. MRL | SHEET 9
SCALE: VERT. = 2' HORIZ. = 20'
DATE: FEBRUARY, 1991 | DWG.NO. C9

PROJECT NO.:
DATE\TIME OF PLOT:

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RECORD DRAWINGS
2-5-93
Joel W. Petty P.E.

NO.	DESCRIPTION OF REVISION	BY

REFLECTION RIDGE SUBDIVISION
BAYVIEW , IDAHO

SEWER PROFILES – RECORD DWG
SEWER LINES "A" AND "A1"

J-U-B ENGINEERS,
Engineers Surveyors Planners
Coeur d'Alene, Idaho

ACAD.DWG FILE: MrobertREC.DwgPLT SC
DES. MRL | DR. JIH | CH. MRL | SHEET

SCALE: AS SHOWN | DATE: FEBRUARY, 1991 | DWG.NO.

PROJECT NO.:
DATE\TIME OF PLOT:

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RECORD DRAWINGS
John W. Petty P.E.

NO.	DESCRIPTION OF REVISION

REFLECTION RIDGE SUBDIVISION
BAYVIEW, IDAHO

SEWER PROFILES
SEWER LINE "B" RECORD DRAWING

J-U-B ENGINEERS
Engineers Surveyors Planners
Coeur d'Alene, Idaho

ACAD.DWG FILE: SSTUBREC.DWG PLOT:
DES. MRL | DR. JTH | CH. MRL | Date
SCALE: AS SHOWN | DATE: MARCH, 1991 | DWG.

PROJECT NO.:
NAME OF PLOT:

TYPICAL "208" PERCOLATION SWALE AND DRAIN PIPE INSTALLATION (1)

Scale: 3/8" = 1'-0"

ACAD: BAY-SWAL.Dwg (plot/insert 1=32)

ACAD: BAY-HYD.DWG (plot/insert 1=18)

TYPICAL 6" FIRE HYDRANT SETTING (4)

Not to Scale

NOTE: All gate valves shall have a cast iron valve box and cover.

THRUST BLOCK AREA (Sq.FT.) Bearing Against Undisturbed Soil					
PIPE SIZES	TEES & PLUGS	90° BEND	45° BEND	22-1/2° & 11-1/2° BEND & REDUCER	GATE VALVES
3"	1.43	1.77	1.30	1.30	
4"	1.97	2.30	1.86	1.66	
6"	2.77	3.25	2.42	1.93	
8"	3.65	4.36	3.19	2.30	4.5
10"	4.16	5.54	4.06	2.89	7.25
12"	5.54	6.60	4.58	3.43	10.6
14"	6.83	8.15	5.85	4.05	14.4

NOTES:
Thrust block area in square feet as a function of pipe size and type of fitting and bearing on undisturbed soil. (Soil bearing at 2000psf) Based on a working pressure of 150psi.

THRUST BLOCK DETAIL (6)

Not To Scale

ACAD: THRUST.DWG (PLOT/INSERT 1=1)

PRESSURE REDUCING STATION (7)

SCALE: 1/2" = 1'-0"

GRAVITY SERVICE LATERAL DETAIL (2)

NOT TO SCALE

ACAD: Grav-ser.Dwg (plot/insert 1=12)

ACAD: Bay-cb.Dwg (plot/insert 1=24)

CATCH BASIN (5)

1/2" = 1'-0"

GENERAL NOTES

1. All water, sewer, storm sewer and road construction shall be in accordance with the 1990 Idaho Standards for Public Works Construction and/or the 1988 Highway Standards for the Associated Highway Districts, Kootenai County, Idaho.
2. Utility locations are plotted from the best available information. Actual field location may vary from the plans. It is the contractors responsibility to contact utility companies for actual locations. Ask operator for Zenith 9162.

NOTE:
Use Cast Iron Frame and Lid, Flush with Pavement.

In unpaved areas install cleanout at grade, with concrete collar

ACAD: BAY-ClanDWG (plot/insert 1=12)

GRAVITY CLEANOUT (8)

NOT TO SCALE

TYPE "A" SURFACE REPAIR (Existing Bituminous Surface)

TYPE "B" SURFACE REPAIR (Existing Gravel Surface)

TYPE "C" SURFACE REPAIR

NOTES

1. All loose and foreign material shall be removed from the face of the existing bituminous surface-cut.
2. Any fractured bituminous surface beyond the face of the surface-cut shall be removed.
3. The face of the bituminous surface-cut must be primed before applying patch.
4. Patch shall not overlap the existing bituminous surface.
5. The patch thickness shall be four (4) inches or equal to the existing asphalt thickness, whichever is greater.

TRENCH BACKFILL & SURFACE REPAIR (3)

NOT TO SCALE

DISK: "SEWER-1" ACAD: BOX-SURF.Dwg (plot/insert 16)

NOTE:
In either case situate sewer piping so that water pipe is centered between joints of sewer pipe.

When sewer passes underneath water provide structural support for water line to prevent settlement or breakage.

WATER / SEWER CROSSING DETAIL (9)

NOT TO SCALE

ACAD: Wat-Sew.Dwg (plot/insert: 1=18)

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RECORD DRAWINGS 2-5-93

Jack W. Petty P.E.

REFLECTION RIDGE SUBDIVISI
BAYVIEW, IDAHO

CONSTRUCTION DETAILS - RECORD DRAWING

J-U-B ENGINEERS, I
Engineers Surveyors Plann
Coeur d'Alene, Idaho

ACAD.DWG FILE: BOETREC.DWG

DES. JP | DR. DpS | CH. JP

SCALE: AS SHOWN | DATE: FEBRUARY, 1991 | DWG N

SHEET 1 OF 6

DALE W. PECK
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BAYVIEW, IDAHO 83803
LAPE 483-3569

EXISTING CONDITIONS
AND TOPOGRAPHY

RECREATIONAL VEHICLE PARK
BOILERMAN'S RESORT
BAYVIEW, IDAHO

REVISIONS

NO	DATE	DESCRIPTION

DATE 8/21/94
SCALE 1" = 20'
DRAWN D. PECK

SHEET 1 OF 6

SHEET 2 OF 6

DALE W. PECK
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BRYAN AVE., IDAHO
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PHASE ONE SITE PLAN

RECREATIONAL VEHICLE PARK
BOILEAU'S RESORT
BAYVIEW, IDAHO

No.	Date	REVISIONS DESCRIPTION

DATE: 9-5-94
SCALE: 1" = 20'
DRAWN: D. PECK

SHEET 2 OF 6

SHEET 2 OF 6

DALE W. PECK
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(208) 683-1873

PHASE ONE EROSION/
SEDIMENTATION CONTROL
PLAN AND FINAL GRADING

RECREATIONAL VEHICLE PARK
BOILERM'S RESORT
BAYVIEW, IDAHO

NO	DATE	REVISION/DESCRIPTION

DATE 7/8/94
SCALE 1"=20'
DRAWN L.P.E.

SHEET
3 OF 6

Dale W. Peck

SHEET 4 of 6

DALE W. PECK
PROFESSIONAL ENGINEER
BOX 1539
BAYVIEW, IDAHO 83803
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PHASE TWO SITE PLAN

RECREATIONAL VEHICLE PARK
BOILEAU'S RESORT
BAYVIEW, IDAHO

No	DATE	REVISIONS & DESCRIPTION

DATE: 7/6/79
SCALE: 1"=20'
DRAWN: D. PECK

SHEET 4 of 6

Dale W. Peck

SHEET 5 OF 6

DALE W. PECK
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PHASE TWO EROSION/
SEDIMENTATION CONTROL
PLAN and FINAL GRADING

RECREATIONAL VEHICLE PARK
BOILEAU'S RESORT
BAYVIEW, IDAHO

NO	DATE	REVISIONS DESCRIPTION

DATE 3/7/89
SCALE 1"=20'
DRAWN D.PECK

SHEET 5 OF 6

Dale W. Peck

UTILITY DETAIL

NOTE

(1) IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPC) SHALL BE USED AS STANDARD SPECIFICATIONS FOR THIS PROJECT

(2) SEPTIC TANK SHALL MEET TRAFFICABLE CONCRETE PROJECTS.... APPROVED WATER AND SEWER DISTRICT JURISDICTION

(3) SEPTIC TANK FILTER: VERMO FILTER X 18" SEPTIC DISCHARGE HOSE. HOSE SHALL BE 5½ IN LENGTH PLUS INCH PER INCH FOR TANK RISE IN EXCESS OF 24" IN HEIGHT.

(4) ALL SECONDARY ELECTRICAL POWER WILL BE UNDERGROUND

LEGEND

- 2" BACKFLOW PREVENTER
- ¾" SELF DRAINING HYDRANT
- ELECTRICAL OUTLET
- R.V. SEWER CONNECTION
- SEWER CLEANOUT
- WATER SHUTOFF VALVE
- -W- WATER LINE
- -S- SEWER LINE

NOTE: ELEVATIONS GIVEN ARE FOR SEWER PIPE INVERTS

WATER AND SEWAGE TREATMENT PROVIDED BY BAYVIEW WATER AND SEWER DISTRICT

Dale W. Peck

DATE 9/10/94	REVISIONS
SCALE 1"=20'	NO. DATE DESCRIPTION
DRAWN L. PECK	

SHEET 6 OF 6

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UTILITY PLAN

RECREATIONAL VEHICLE PARK
BONLEAN'S RESORT
BAYVIEW, IDAHO

SHEET 6 OF 6