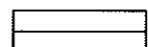




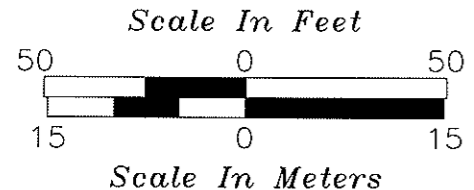


SITE PLAN

LOT 279
 DAVID AND ANDREANNA VAUGHAN
 11/19/02

LEGEND

-  PROPOSED DRAINFIELD & 100% REPLACEMENT AREA
-  TH #1 TEST HOLE LOCATION
-  PT #1 PERC TEST LOCATION
-  PROPOSED WELLSITE
-  EXISTING WELLSITE



LOT 282A-1
 11.4013 Acres

FLOOD ZONE A1

NOTES:

SLOPE ACROSS DRAINFIELD AND 100% REPLACEMENT AREA $\leq 1\%$

AT THIS TIME THERE ARE NO KNOWN WELLS AND/OR SURFACE WATERS WITHIN 100 FEET OF THE PROPOSED DRAINFIELD/100% REPLACEMENT AREA.

PRIOR TO CONSTRUCTION OF DRAINFIELD, VERIFY THAT SEPTIC SYSTEM AND ALL COMPONENTS WILL MEET ALL REQUIRED OFFSETS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

OWNER MUST DIVERT ALL STORM RUNOFF AWAY FROM ALL SEWER SYSTEM COMPONENTS TO PREVENT POSSIBLE MALFUNCTION

A PROPERTY BOUNDARY SURVEY HAS NOT BEEN PERFORMED TO DATE. ADDITIONAL FIELD WORK WOULD BE REQUIRED FOR EXACT PROPERTY BOUNDARY, SETBACKS, LOCATIONS, ETC.

ALL SEWER SERVICE LINES SHALL BE SLEEVED OR PROPERLY BEDDED FOR PROTECTION AT ALL ROAD/DRIVEWAY CROSSINGS AND PARKING AREAS.

LEGAL DESCRIPTION:

Lots 281, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT, and Lot 282A, AMENDED PLAT OF LOTS 270, 280 AND 282, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT, according to the plat thereof, on file and of record in the office of the Clerk and Recorder, Gallatin County, Montana and located in the Southwest Quarter of the Section 23, Township 2 South, Range 4 East of P.M.M.

ROAD ADDRESS:
 UPPER RAINBOW ROAD

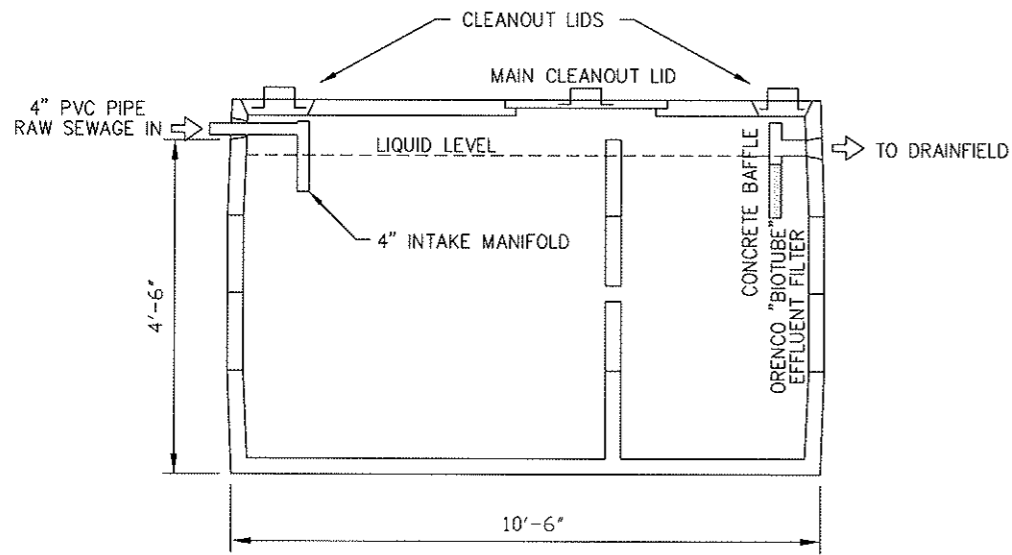
LOT 284
 VACANT

LOT 285
 VACANT

LOT 286
 VACANT

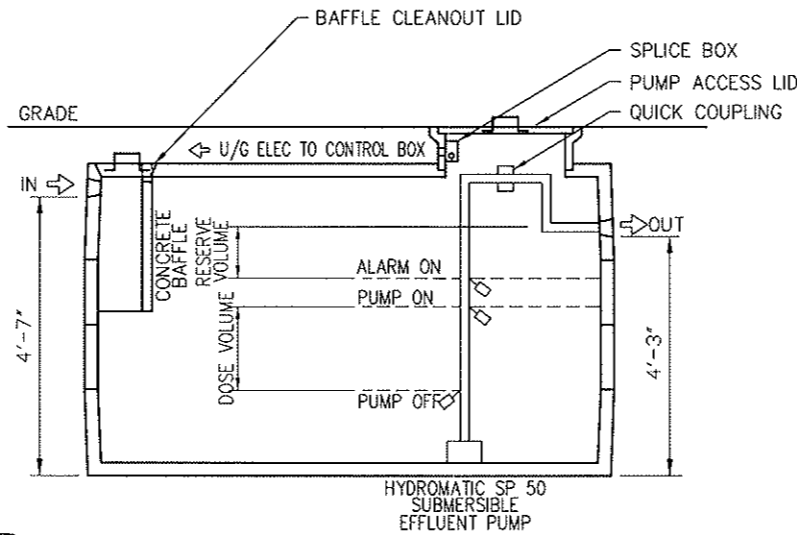
C&H ENGINEERING AND SURVEYING, INC.
 • Civil Engineering • Structural Engineering • Land Surveying
 205 Edelweiss Drive Bozeman, Montana 59718
 (406) 587-1115 • Fax: (406) 587-9768 • info@chengeers.com

DETAIL SHEET



1 **TYPICAL 1500 GALLON SEPTIC TANK DETAIL**
SS2 SCALE: NTS

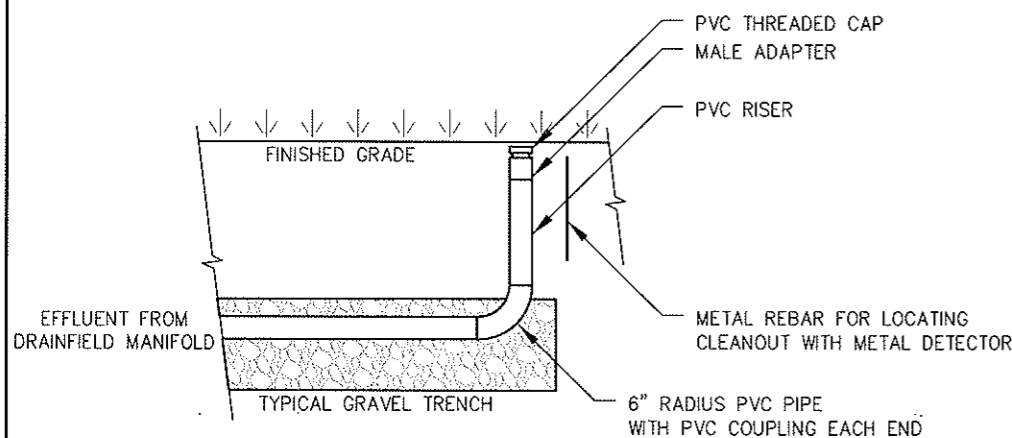
NOTES:
 SEPTIC TANK SIZE=1500 GAL (MIN.)
 DOSE TANK SIZE=1000 GAL
 DOSE CHAMBER SHALL BE EQUIPPED WITH AUDIO AND/OR VISUAL ALARM
 CONTROL PANEL TO BE ORENCO SIMPLEX "S1" OR EQUIVALENT
 TO BE APPROVED BY ENGINEER.
 ACCESS TO THE DOSE CHAMBER SHALL NOT BE LOCATED MORE THAN
 8 INCHES BELOW THE FINISHED GRADE OF THE GROUND SURFACE.
 PUMP SHALL BE EXPLOSION PROOF OR REMAIN SUBMERSED AT ALL TIMES.



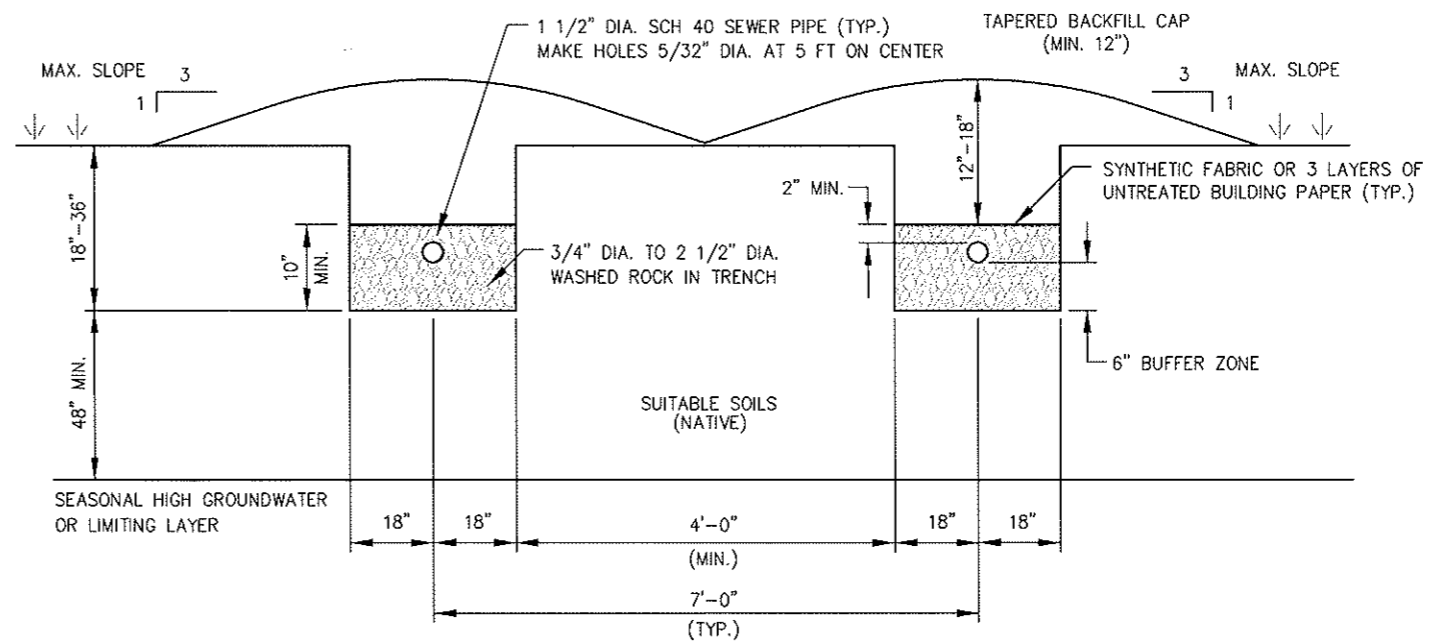
2 **1000 GALLON DOSE TANK DETAIL**
SS2 SCALE: NTS
DOSE VOLUME=250 GAL

GENERAL SEWER SYSTEM CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE ACCOMPANYING PLANS.
2. NO CHANGE OR MODIFICATION OF THE APPROVED PLANS AND SPECIFICATIONS SHALL BE MADE WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER AND/OR THE GALLATIN CITY-COUNTY HEALTH DEPARTMENT (GCCHD).
3. INSTALLER MUST BE LICENSED AND QUALIFIED TO INSTALL SUBSURFACE WASTEWATER TREATMENT SYSTEMS IN GALLATIN COUNTY, MONTANA.
4. ALL SYSTEM COMPONENTS WILL BE BURIED, COVERED AND INSULATED WHERE REQUIRED TO PREVENT MALFUNCTION. USE INSULATED RISERS AND/OR RIGID INSULATION IF REQUIRED.
5. ALL ELECTRICAL EQUIPMENT SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE, CLASS 1, GROUP D, DIVISION 1.
6. GRAVITY SEWER SERVICE LINES TO BE 4" PVC AND TO BE PLACED AT A MINIMUM DOWNWARD SLOPE OF 1/4 INCH PER FOOT.
8. ALL SYSTEM COMPONENTS WILL MEET OR EXCEED ALL DESIGN CRITERIA AS OUTLINED IN MDEQ-CIRCULAR DEQ-4 "MINIMUM DESIGN STANDARDS FOR ON-SITE ALTERNATIVE SEWAGE TREATMENT SYSTEMS" AND DEQ-4 "STANDARDS FOR INDIVIDUAL SEWAGE SYSTEMS."
9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH GALLATIN CITY-COUNTY REGULATIONS FOR WASTEWATER TREATMENT SYSTEMS (EFFECTIVE 7/1/01).
10. ALL SYSTEM COMPONENTS MUST BE WATERTIGHT.
11. SEE MANUFACTURER'S DETAILS IN THE "TECHNICAL SPECIFICATIONS" FOR ANY SYSTEM COMPONENT DETAILS NOT SHOWN ON THIS SHEET.



3 **TYPICAL DRAINFIELD LATERAL END INSPECTION RISER**
SS2 SCALE: NTS



4 **TYPICAL GRAVEL TRENCH DETAIL**
SS2 SCALE: NTS

NOTES:
 A MINIMUM OF 12 INCHES OF FILL MATERIAL SHALL BE PLACED AS A CAP ABOVE THE NATURAL GROUND SURFACE AND TAPERED FROM THE EDGE OF THE TRENCH WALL WITH A 3 HORIZONTAL TO 1 VERTICAL OR LESSER SLOPE.

SURVEY REQUESTED BY OWNERS TO RELOCATE THE BOUNDARY BETWEEN 2 EXISTING LOTS WITHIN A PLATTED SUBDIVISION, AND EXEMPT FROM REVIEW AS A SUBDIVISION PURSUANT TO 76-3-207(1)(d)M.C.A.

OWNERS: DAVID W. VAUGHAN AND ANDREANNA L. VAUGHAN
(Document No. 2073841)

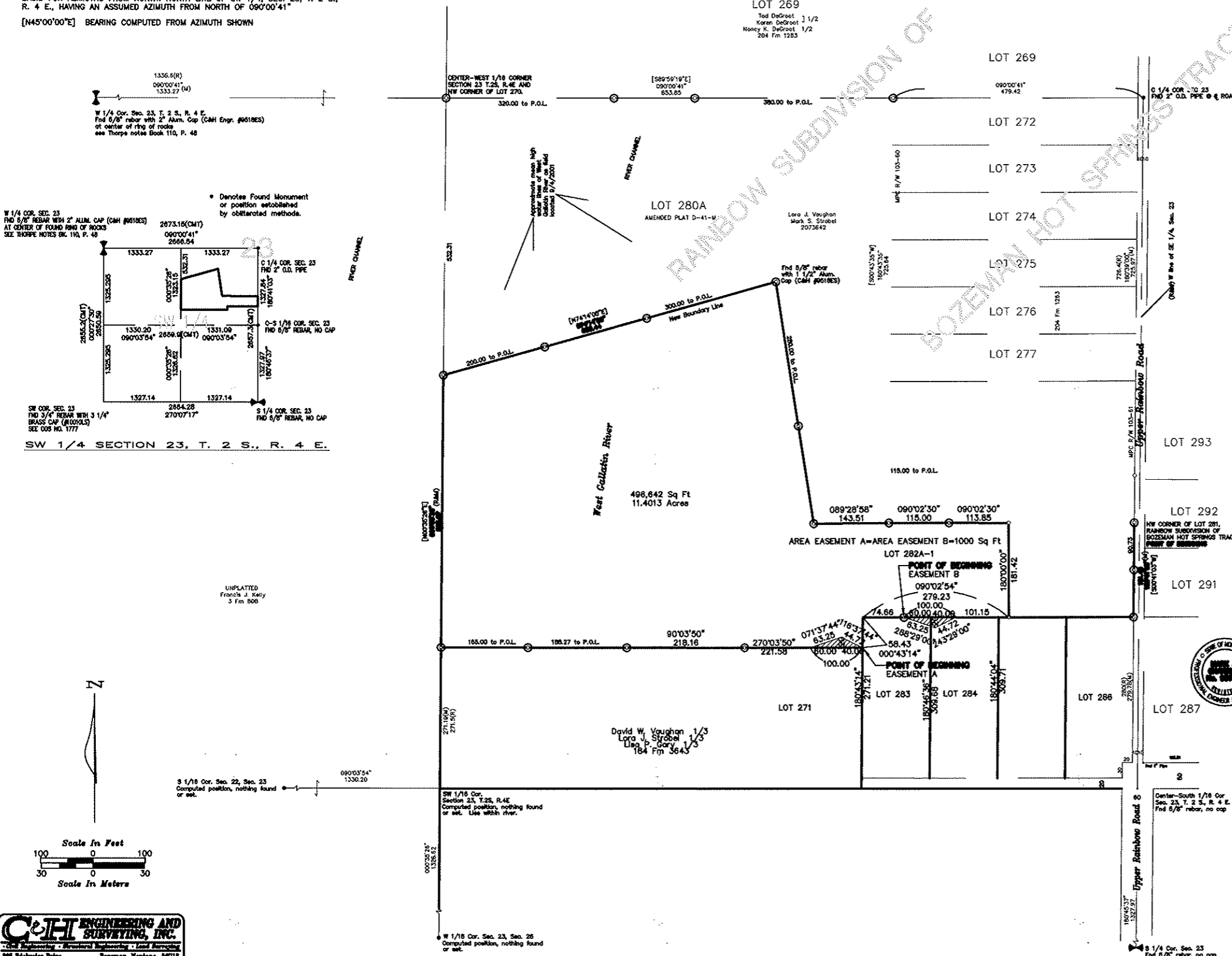
AMENDED PLAT OF LOT 281, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT, AND LOT 282A, AMENDED PLAT OF LOTS 270, 280, AND 282, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT

LOCATED IN THE NE 1/4, SW 1/4 OF SEC. 23, T. 2 S., R. 4 E.
OF P.M.M., GALLATIN COUNTY, MONTANA

LEGEND

- (R) RECORD DISTANCE OR AZIMUTH
- (M) MEASURED DISTANCE OR AZIMUTH
- DENOTES FOUND 5/8 INCH REBAR WITH 1 1/4 INCH PLASTIC CAP MARKED (SURVCO)
- ⊙ DENOTES FOUND 5/8 INCH REBAR WITH 1 1/4 INCH PLASTIC CAP MARKED (C&H #9518ES) UNLESS NOTED OTHERWISE
- DENOTES SET 5/8 INCH REBAR WITH 1 1/4 INCH PLASTIC CAP MARKED (C&H #9518ES) UNLESS NOTED OTHERWISE

BASIS FOR AZIMUTHS FROM NORTH: NORTH LINE OF SW 1/4, SEC. 23, T. 2 S., R. 4 E., HAVING AN ASSUMED AZIMUTH FROM NORTH OF 090°00'41" [N45°00'00"E] BEARING COMPUTED FROM AZIMUTH SHOWN



CERTIFICATE OF CONSENT and CERTIFICATE OF EXEMPTION
We, the undersigned property owners, do hereby certify that we have caused to be surveyed, subdivided and platted into lots, as shown by this plat hereunto included, the following described tract of land, to wit:

LEGAL DESCRIPTION
Lots 281, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT, and Lot 282A, AMENDED PLAT OF LOTS 270, 280 AND 282, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT, according to the plat thereof, on file and of record in the office of the Clerk and Recorder, Gallatin County, Montana and located in the Southwest Quarter of the Section 23, Township 2 South, Range 4 East of P.M.M., and further described as follows:

Beginning at the northeast corner of said Lot 281; thence southerly 180° 41' 03", assumed azimuth from north, 181.46 feet along the east line of said Lots 281 and 282A; thence westerly 270° 02' 54" azimuth 518.22 feet along the south line of said Lot 282A; thence southerly 180° 43' 14" azimuth 58.43 feet along said south line; thence westerly 270° 03' 50" azimuth 803.27 feet along said south line; thence northerly 000° 35' 36" azimuth 523.07 feet along the west line of said Lot 282A; thence easterly 074° 14' 05" azimuth 659.44 feet along the north line of said Lot 282A; thence southerly 171° 47' 00" azimuth 470.00 feet along said north line; thence easterly 088° 25' 58" azimuth 143.51 feet along said north line; thence easterly 270° 02' 30" azimuth 613.52 feet along said north line to the point of beginning.

Area = 540,202 square feet, 12,4013 acres or 50,186.4 square meters. Subject to existing easements. The above described tract of land is to be known and designated as AMENDED PLAT OF LOT 281, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT, AND LOT 282A, AMENDED PLAT OF LOTS 270, 280 AND 282, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT, Gallatin County, Montana.

CERTIFICATE OF EXEMPTION (BOUNDARY RELOCATION)
We certify that the purpose of this survey is to relocate the common boundary between 2 existing lots within a platted subdivision, and that this exemption complies with all conditions imposed on its use. Therefore this survey is exempt from review as a subdivision pursuant to Section 76-3-207 (1)(d), M.C.A., and the Gallatin County Subdivision Regulations.

Dated this ____ day of ____, 2002.
David W. Vaughan Andreanna L. Vaughan

STATE OF _____
COUNTY OF _____
On this ____ day of _____ in the year ____ before me _____ a Notary Public in and for said state, personally appeared David W. Vaughan and Andreanna L. Vaughan, known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal the day and year in the certificate first above written.

my commission expires _____
NOTARY PUBLIC FOR THE STATE OF _____

CERTIFICATE OF SURVEYOR
I, Mark A. Chandler, Professional Engineer and Land Surveyor No. 9518ES, do hereby certify that between July 10 and Sept. ____, 2002, I surveyed AMENDED PLAT OF LOT 281, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT, AND LOT 282A, AMENDED PLAT OF LOTS 270, 280 AND 282, RAINBOW SUBDIVISION OF BOZEMAN HOT SPRINGS TRACT, and platted the same as shown on the accompanying plat and as described, in accordance with the provisions of the Montana Subdivision and Platting Act, Sections 76-3-101 through 76-3-825, M.C.A., and the Gallatin County Subdivision Regulations.
Dated this ____ day of ____, 2002.
Mark A. Chandler
Montana Registration No. 9518ES

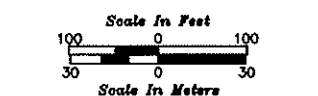
CERTIFICATE OF COUNTY COMMISSIONERS
I, Chairman of the Board of County Commissioners, do hereby certify that the use of the exemption claimed on the accompanying Amended Plat has been duly reviewed, and has been found to conform to the requirements of the Subdivision and Platting Act, Sections 76-3-101 through 76-3-825, M.C.A., and the Gallatin County Subdivision Regulations.
Dated this ____ day of ____, 2002.

Chairman, Board of County Commissioners

CERTIFICATE OF COUNTY TREASURER
I, Anna Rosenberry, Treasurer of Gallatin County, Montana, do hereby certify that the accompanying Amended Plat has been duly examined and that all real property taxes and special assessments assessed and levied on the land to be subdivided have been paid.
Dated this ____ day of ____, 2002.

Treasurer of Gallatin County

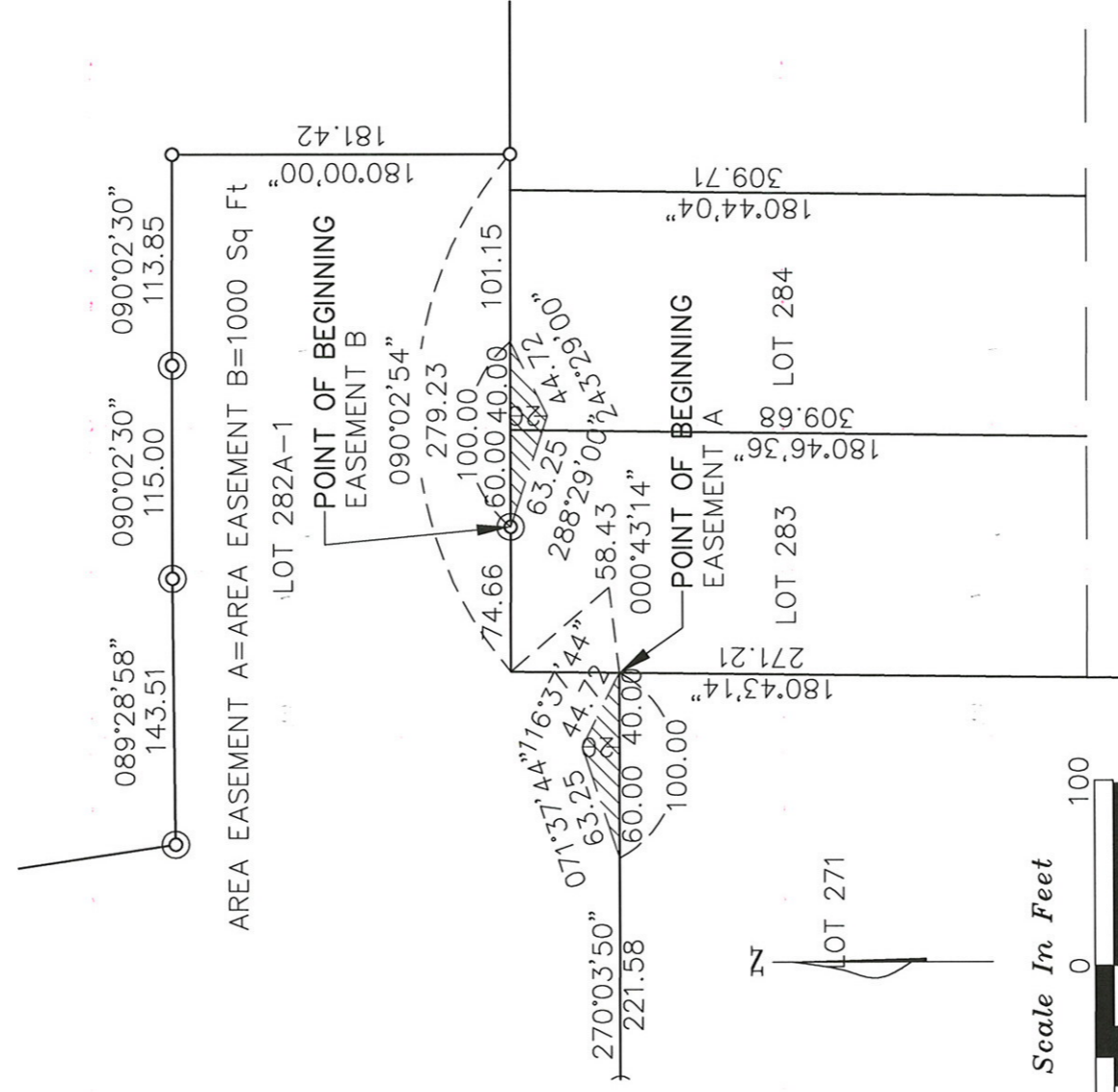
CERTIFICATE OF CLERK AND RECORDER
I, Shelley Vance, Clerk and Recorder of Gallatin County, Montana, do hereby certify that the foregoing instrument was filed in my office at ____ o'clock ____ M. this ____ day of ____, A.D., 2002, and recorded in Book ____ of Plats, on Page ____ of records of the Clerk and Recorder, Gallatin County, Montana.
Document Number ____ By: _____
Deputy Clerk and Recorder



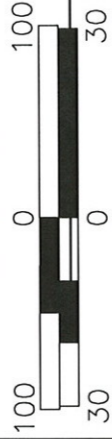
C&H ENGINEERING AND SURVEYING, INC.
266 Redwood Drive Bozeman, Montana 59718
(406) 592-1118 • Fax: (406) 592-9700 • info@candhs.com

EXHIBIT A

EASEMENTS OF LOT 271, 283 AND 284 RAINBOW SUBDIVISION



Scale In Feet



Scale In Meters



Engineering and Surveying Inc.
1081 Stoneridge Drive • Bozeman, MT 59718
Phone (406) 587-1115 • Fax (406) 587-9788
www.chengineers.com • info@chengineers.com