



April 15, 2020

Kurt Hafferman, PE  
P.O. Box 1891  
Kalispell, MT 59903

Re: **Timbrshr HOA  
Lake County  
Proposed new Public Water Supply Wells - Conditional Approval  
EQ# 20-1440**

Dear Mr. Hafferman:

Thank you for the well drilling specifications, site map, design report and Source Water Delineation and Assessment Report (SWDAR) pertaining to the proposed Public Water Supply (PWS) wells, proposed to serve the existing Timbrshr HOA as a new Public Water Supply system, located on the east short of Flathead Lake on Finley Point, north of Polson, MT, received October 30, 2019 – March 16, 2020. The proposed PWS wells were reviewed in accordance with Circular Design Standards DEQ-3, 2014 Edition, based on the seasonal population.

**The location and drilling specifications for the proposed Timbrshor HOA PWS groundwater wells designated #4, #5, #6, #9, received March 16, 2020, are hereby approved with the conditions listed below.** One copy of the approved well location site plan and well drilling specifications bearing the approval stamp of the Department of Environmental Quality is enclosed. A second set will be retained as Department Record.

**Note:** The Well #8 location was not approved for PWS use given the proposed sewer line proximity. The deviation request from DEQ-3 Section 3.2.3.1 pertaining to the proposed Well #8 location was denied.

**The location of the existing McCarthy well located within the Timbrshor development, is hereby approved for Multi-User Water System use with the conditions listed below, as well as the additional requirement that this well be sampled for Nitrate and Total Coliform bacteria on the same frequency as the PWS wells, during months of use. Such results must be maintained by the owner and made available to DEQ upon request.**

The proposed PWS Wells are designed to serve a number of existing residential units (utilized as seasonal homes). The Timbrshr HOA condominium community is comprised of 49 units, which are built or allowed to be built. The exact number of homes proposed for connection to each well is not yet known. Due to water rights constraints, the peak withdrawal rate from the wells is 35 gpm. Actual production will be determined from aquifer testing.

Due to the seasonal nature of the residential units, the proposed PWS water system(s) are expected to be Transient PWS systems.

The proposed PWS wells (#4, #5, #6, and #9) will be constructed of 6-inch diameter permanent steel casing. Grouting of the well will be performed with a 10-inch diameter temporary, oversized conductor casing providing a minimum bentonite cement grout thickness of 1.5 inches, to extend a minimum of 25 feet below ground surface. A total depth of approximately 400 feet is estimated.

As a part of this project, deviations were requested and granted from Circular DEQ-3 Section 3.2.3.2 (continued well protection) for Well #4, #5, #8 and #9 allowing the wells in the locations proposed without protection zone easements from neighboring property.

As a part of this project, a deviation was requested and granted from Circular DEQ-3 Section 3.2.3.1 (well location) for the McCarthy well (GWIC), allowing the existing well to be utilized as a Multi-User well for a maximum of 4 unit (home) connections, conditioned upon this well maintaining the same sampling as the Transient PWS wells for Nitrate and Total Coliform bacteria during the months of operation. Such records shall be maintained by the owner and made available to DEQ upon request.

**Condition One:** Prior to connecting the PWS wells to the future PWS system, plans and specifications for the connection detail, pressure control system and distribution piping must be submitted to DEQ review and approval. Prior to connecting additional connections to the McCarty well plans and specifications for the connection detail, pressure control system and distribution piping must be submitted to DEQ review and approval.

**Condition Two:** Following drilling of the PWS wells and prior to connection of the wells to the PWS system, the following submittals must be made to DEQ for review and approval:

1. Documentation that the well, to be classified as Public Water Supply sources, were constructed by a Montana licensed well driller and installation complied with ARM Title 36, Chapter 21 and DEQ-3 subsection 3.2.5 General well construction.
2. A copy of the completed well log (DEQ-3, Standard 3.2.4.3) with supplemental grout form.
3. Yield and Drawdown Test results demonstrating compliance with DEQ-3, Standard 3.2.4.1. These results must be submitted in the DNRC format (available on their website) both in hardcopy and electronically. The proposed well will be test pumped at 53 gpm (1.5 times 35 gpm) for 24 hours or at 35 gpm for 72 hours, or until stabilized drawdown has been reached for 8 hours.
4. As a proposed "Transient" Public Water Supply well, provide Water Quality sample results demonstrating compliance with DEQ-3, Standard 3.2.2.1 Microbiological quality, and DEQ-3, Standard 3.2.2.2 Physical and chemical quality. Specifically, water quality parameters shall include the following:
  - Coliform bacteria (2 tests minimum)
  - Nitrate, Nitrite
  - Conductivity

5. Calculations regarding the pump selection and TDH of the water system and the design of the well screen prior to purchase and installation of the permanent components.
6. Documentation that the continued protection zone has been provided through zoning, easements, deed notices or leasing. Easements or Deed Restrictions must be recorded with the County Clerk and Records Office, within the boundary of the Timbrshor property. (DEQ-3, Standard 3.2.3.2).
7. Once the well has been placed into use, submit a Form 602 Notice of Completion Water Certificate to the DNRC Water Resources Division. Please contact Kathy Olsen with DNRC Water Resources at 406-752-2706 with any questions about the water rights application process.

Approval is given with the understanding that any deviation from the approved well location and specifications will be submitted to the Department for reappraisal and approval.

It is further understood that well construction will be completed within three years of this date. If more than three years elapse before completing well construction, plans and specifications must be resubmitted and approved before construction begins. This three-year expiration period does not extend any compliance schedule requirements pursuant to a Department enforcement action against a public water or sewage system.

Department approval of this project covers only those portions of the plans and specifications that are subject to the Department's review authority under the Public Water Supply Laws (MCA 75-6) and the Administrative Rules promulgated thereunder (ARM 17.38). This approval does not cover items found within the plans and specifications that are outside of the Department's review authority, including but not limited to: electrical work, architecture, site grading or water and sewer service connections.

Thank you for your efforts regarding this submittal. If you have any questions, please contact me at (406) 755-8979 or [egillespie@mt.gov](mailto:egillespie@mt.gov).

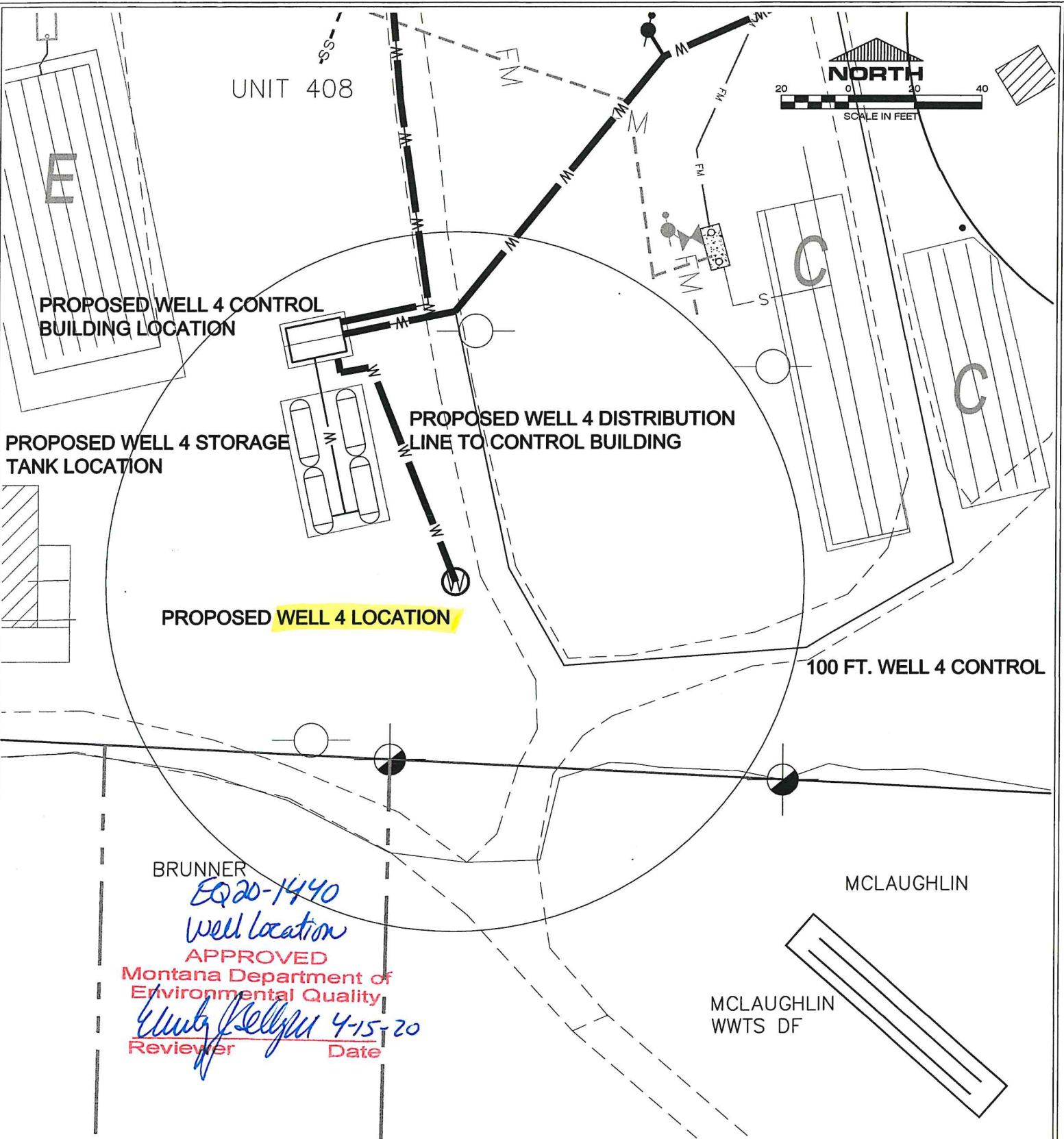
Sincerely,



Emily J. Gillespie, P.E.  
Engineering Bureau

cc: Blake Johnson, Timbrshr HOA (electronic)  
Diana Luke, Lake County Sanitarian  
Kathy Olsen, DNRC/WRD/KRO (electronic only)  
Carolyn DeMartino, DEQ Source Water Protection (electronic only)  
PWS Plan Review File





WELL 4 WELL LOCATION & WATER LINE ROUTING EXHIBIT



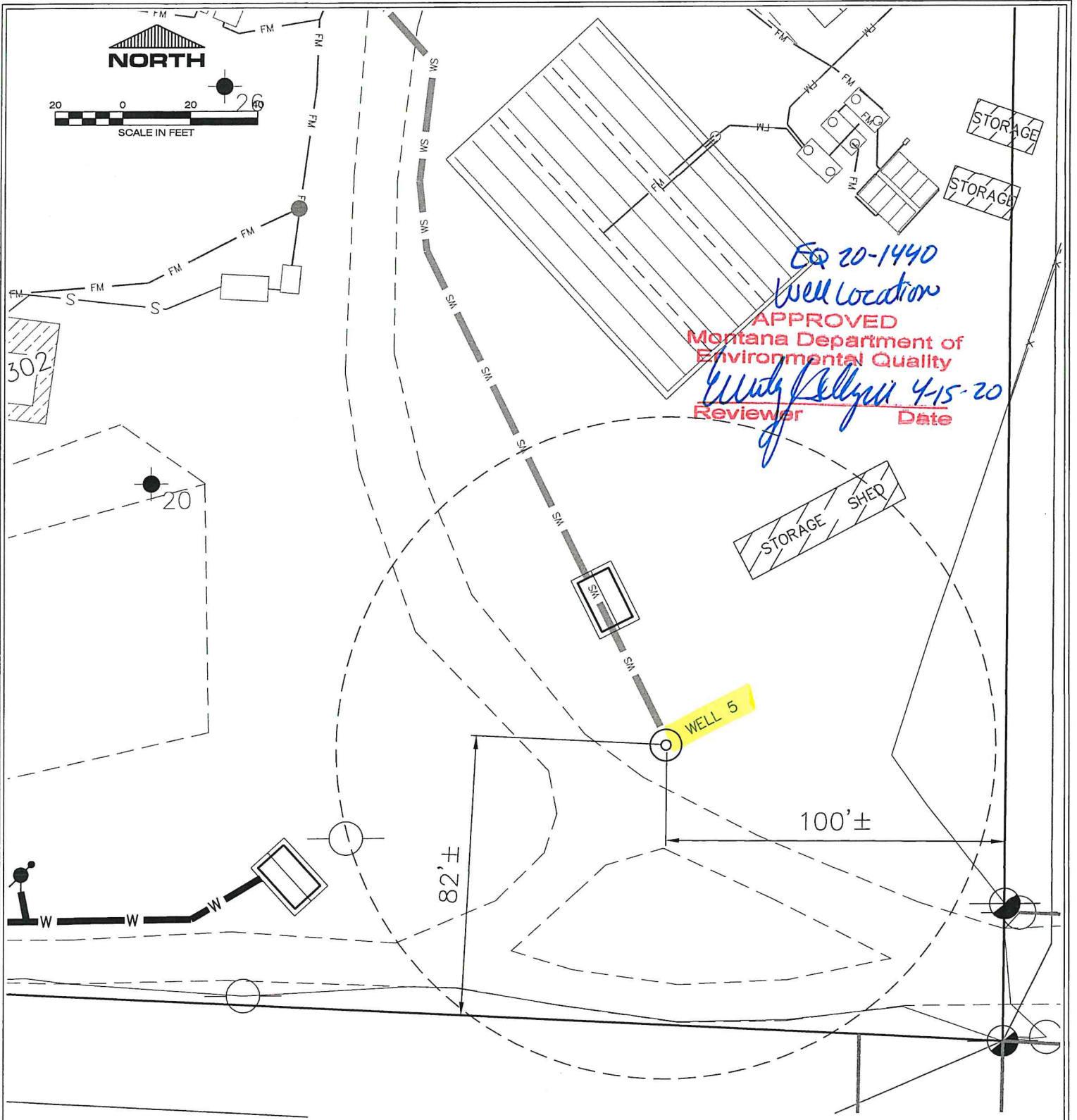
**HAFFERMAN ENGINEERING, INC.**  
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 PHONE: 406-257-8708  
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 EMAIL: info@billmayer.com  
 ONLINE: www.billmayer.com

**RECEIVED**  
 MAR 16 2020  
 Department of  
 Environmental Quality  
 Kalispell Regional Office

DRAWING TITLE:  
**TIMBRSHOR WELL 4 WELL CONTROL ZONE**  
 FOR  
**TIMBRSHOR HOA**  
 SECTION 7  
 T23N, R 19W, PM, M., LAKE COUNTY, MONTANA

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FILE LOCATION: S:\LAND PRO...T.58.2.DWG	DRAWN BY: KMH	APPROVED BY: KMH	



WELL 5 WELL CONTROL ZONE AND LOCATION DIMENSIONS



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**MAR 16 2020**

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 Environmental Quality  
 Kalispell Regional Office

DRAWING TITLE:

TIMBRSHOR WELL 5 WELL CONTROL ZONE

FOR

TIMBRSHOR HOA

SECTION 7

T23N, R 19W, PM, M., LAKE COUNTY, MONTANA

DATE:  
 MARCH 14, 2020

PROJECT NUMBER:  
 T.58.2

SCALE:  
 AS SHOWN

SHEET:

FILE LOCATION:  
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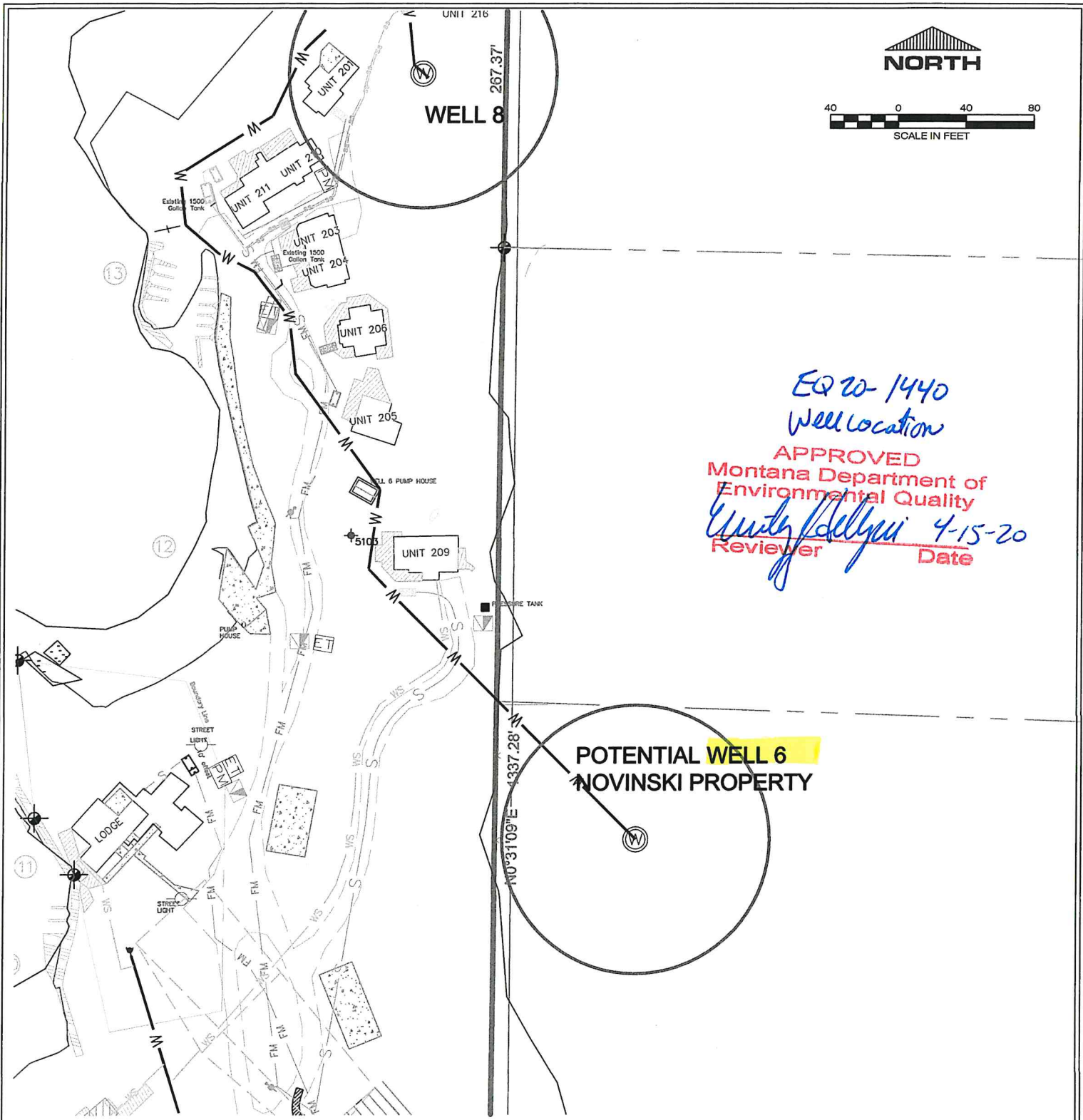
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EQ 20-1440  
 Well Location  
 APPROVED  
 Montana Department of  
 Environmental Quality  
*Unity Kelly* 4-15-20  
 Reviewer Date

WELL 6 WELL LOCATION & WATER LINE  
 ROUTING AND WCZ



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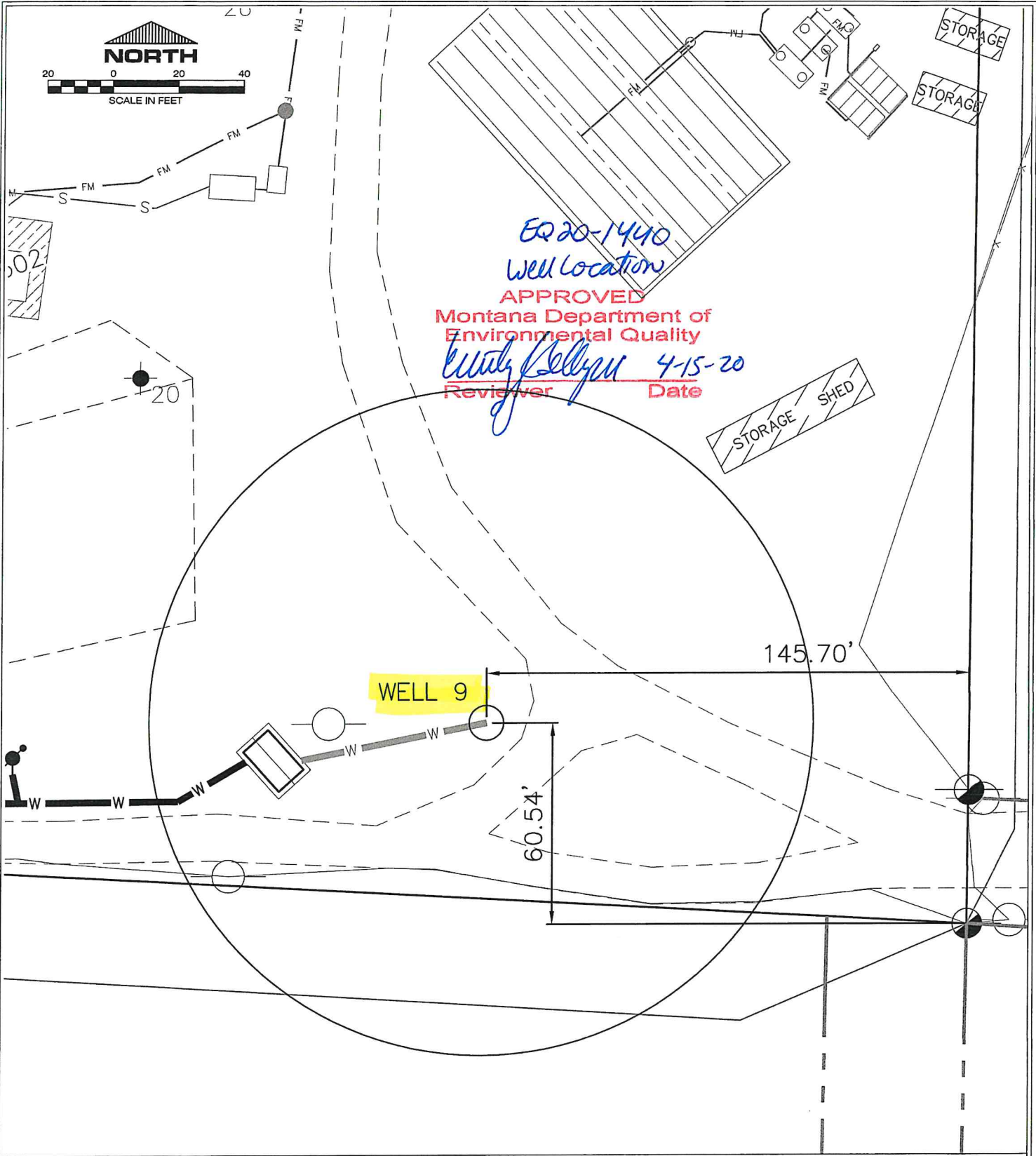
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OCT 30 2019

Department of  
 Environmental Quality  
 Kalispell Regional Office

DRAWING TITLE:  
**TIMBRSHOR WELL 6 PROTECTION ZONE**  
 FOR  
**TIMBRSHOR HOA**  
 SECTION 7  
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DATE: DEC 6, 2018	PROJECT NUMBER: T.58.2	SCALE: AS SHOWN	SHEET: 2 OF 2
FILE LOCATION: S:LAND PRO...T.58.2IDWG	DRAWN BY: NJF	APPROVED BY: KMH	



EQ 20-1440  
Well Location  
APPROVED  
Montana Department of  
Environmental Quality  
*Kurt Kellym* 4-15-20  
Reviewer Date

WELL 9

145.70'

60.54'



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MAR 16 2020

Department of  
Environmental Quality  
Kalispell Regional Office

DRAWING TITLE:

WELL 9 WELL CONTROL ZONE

FOR

TIMBRSHOR HOA

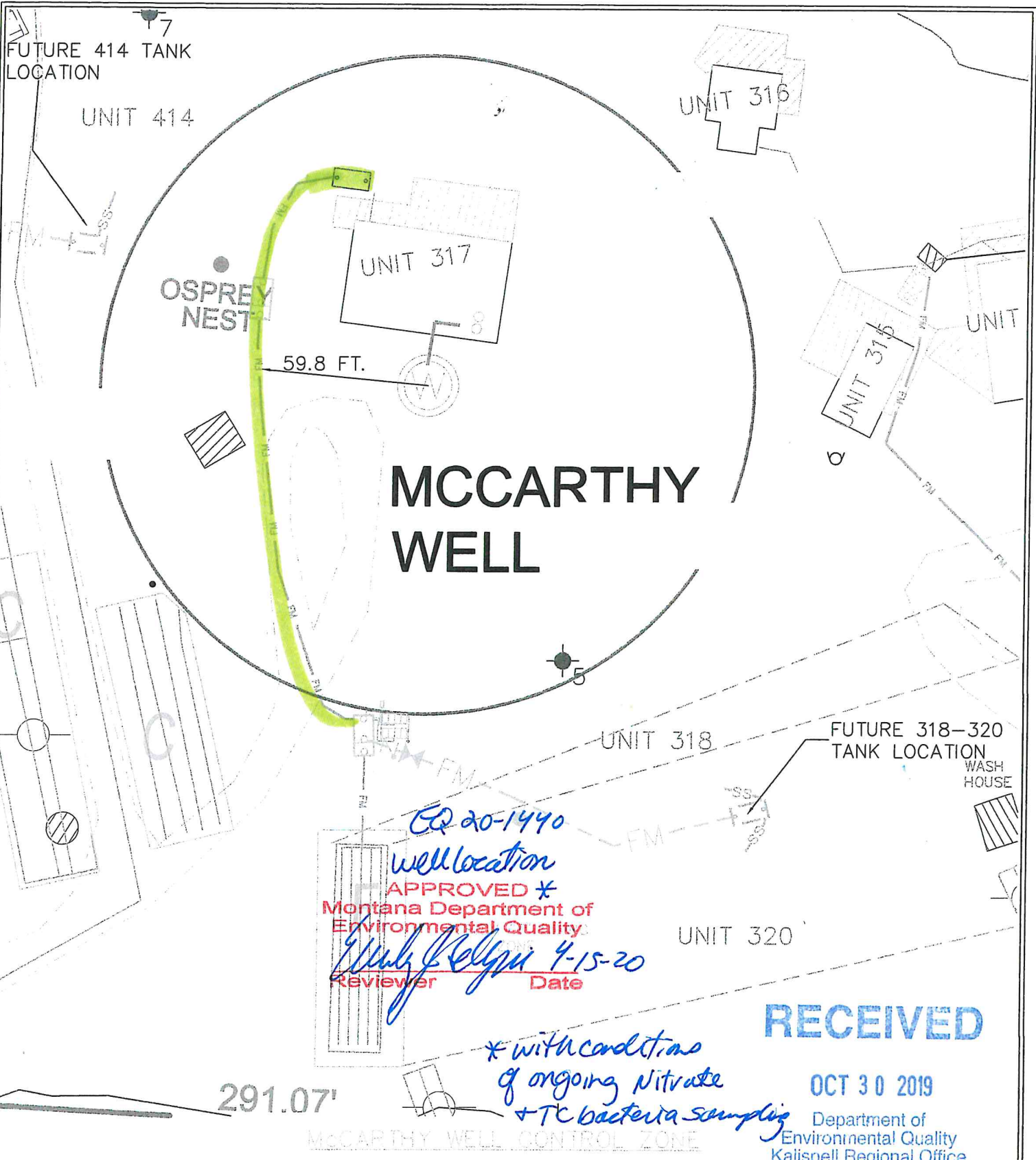
SECTION 7

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DATE: MARCH 9, 2020	PROJECT NUMBER: T.58.2	SCALE: 1"=40'	SHEET: 1 OF 1
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DRAWING TITLE:  
**McCARTHY WELL PROTECTION ZONE**  
 FOR  
**TIMBRSHOR HOA**  
 SECTION 7  
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