

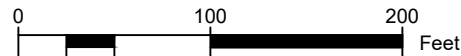
FLOYD MCGEE ESTATE
(RPP00000027801A)

S STEPHEN & DEBORAH LA FRENZ
(RPP00000028050A)

S STEPHEN & DEBORAH LA FRENZ
(RPP00000028200A)

PONDERAY, IDAHO

**RPP00000028002A aka 2-57N-2W N 440FT OF W 495 OF SE4 LESS S 220FT OF W 160FT, Section 2, Township 57 North, Range 2 West,
Boise Meridian, Bonner County, 300 McNearney Road, Ponderay, Idaho**



OWNERS
PHILLIP MCNEARNEY
and
JOYCE BROADSWORD

LEGEND

RIGHTS-OF-WAY LINE
ADJACENT PROPERTY LINE
PROPOSED EASEMENT
PROPOSED RIGHT-OF-WAY
PROJECT PROPERTY LINE
R.O.W. CENTERLINE
EXISTING GRAVEL
EXIST. TOP OF SLOPE
EXIST. TOE OF SLOPE
EXIST. EDGE OF PAVEMENT
EXIST. SAN. SEWER
PROPOSED SEWER
EXIST. WATER
PROPOSED WATER
DITCH FLOWLINE



Know what's below.
Call before you dig.

PROPOSED GRAVEL

EXISTING GRAVEL

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE "IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION," 2017 OR MOST RECENT EDITION.
2. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY PRIOR TO STARTING WORK NEAR ANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. ALL UTILITY SERVICES SHALL BE INSTALLED UNDERGROUND. FOR EXISTING UTILITY LOCATIONS, CONTACT CALL BEFORE YOU DIG AT 1-800-626-4950 AT LEAST 48 HOURS PRIOR TO STARTING ANY EXCAVATIONS.
3. WORK SHALL NOT BEGIN UNTIL A NOTICE TO PROCEED IS ISSUED BY THE CITY OF PONDERAY OR THE ENGINEER.
4. THE CONTRACTOR SHALL NOTIFY THE CITY OF PONDERAY 48 HOURS PRIOR TO STARTING WORK.
5. A PERMIT SHALL BE OBTAINED FROM THE CITY FOR WORK WITHIN EXISTING CITY RIGHT-OF-WAY.
6. THE CONTRACTOR SHALL HAVE AN APPROVED SET OF IMPROVEMENT PLANS AND APPROVAL LETTER ON THE JOB SITE AT ALL TIMES.
7. ALL UNDERGROUND UTILITY LATERALS SHALL BE INSTALLED BEFORE FINAL GRADING OF ROADWAYS.
8. WHERE TRENCHES ARE WITHIN PUBLIC EASEMENTS, COMPACTION TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD BY A QUALIFIED SOILS ENGINEER WHICH CERTIFY THAT TRENCH BACKFILL WAS COMPACTED AS REQUIRED IN ACCORDANCE WITH ISPMC.
9. ALL TESTING REQUIRED BY THE CITY OF PONDERAY, CITY OF SANDPOINT, OR THE KOOTENAI-PONDERAY SEWER DISTRICT WILL BE AT THE EXPENSE OF THE CONTRACTOR.
10. ALL EXISTING IMPROVEMENTS SHALL BE JOINED OR MATCHED IN A MANNER SATISFACTORY TO THE CITY.
11. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE ENGINEER.



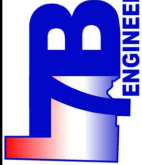
PROJECT VICINITY

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SITE SPECIFIC NOTES

1. THE EXISTING ZONING FOR THIS PARCEL IS INDUSTRIAL.
2. THE EXISTING USE OF THE PROPERTY IS INDUSTRIAL.
3. THE LANDSCAPE FEATURES SHOWN HEREON ARE MERELY A SUGGESTION AND ARE NOT INTENDED TO BE BINDING IN ANY WAY.
4. MCNEARNEY ROAD FROM WHICH THIS PROJECT ACCESS AND THE MAINTENANCE THEREOF IS PUBLIC AND IS OWNED AND MAINTAINED BY THE CITY OF PONDERAY
5. MCNEARNEY MILL LANE SERVING THIS DEVELOPMENT SHALL BE PRIVATELY OWNED AND MAINTAINED.
6. FUTURE SITE DEVELOPMENT PLANS SHALL REQUIRE THEIR OWN STORMWATER MANAGEMENT PLANS.
7. THE CITY OF PONDERAY IS THE LEGAL OWNER OF ALL RIGHTS-OF-WAY DEPICTED HEREON.
8. RIGHT-OF-WAY AND PROPERTY LINEWORK DEPICTED HEREON WERE PROVIDED BY GLAHE SURVEYING WITH ADDITIONAL INFORMATION ADDED FROM CITY OF PONDERAY DESIGN PLANS AND KOOTENAI-PONDERAY SEWER DISTRICT AS-BUILT PLANS. WE MAKE NO WARRANTY AS TO THE ACCURACY OF THE PROPERTY BOUNDARIES DEPICTED OR THE UTILITY LOCATIONS SHOWN.



414 CHURCH STREET, SUITE 205 F
SANDPOINT, ID 83864
(208) 914-4833
7B.Engineering@gmail.com

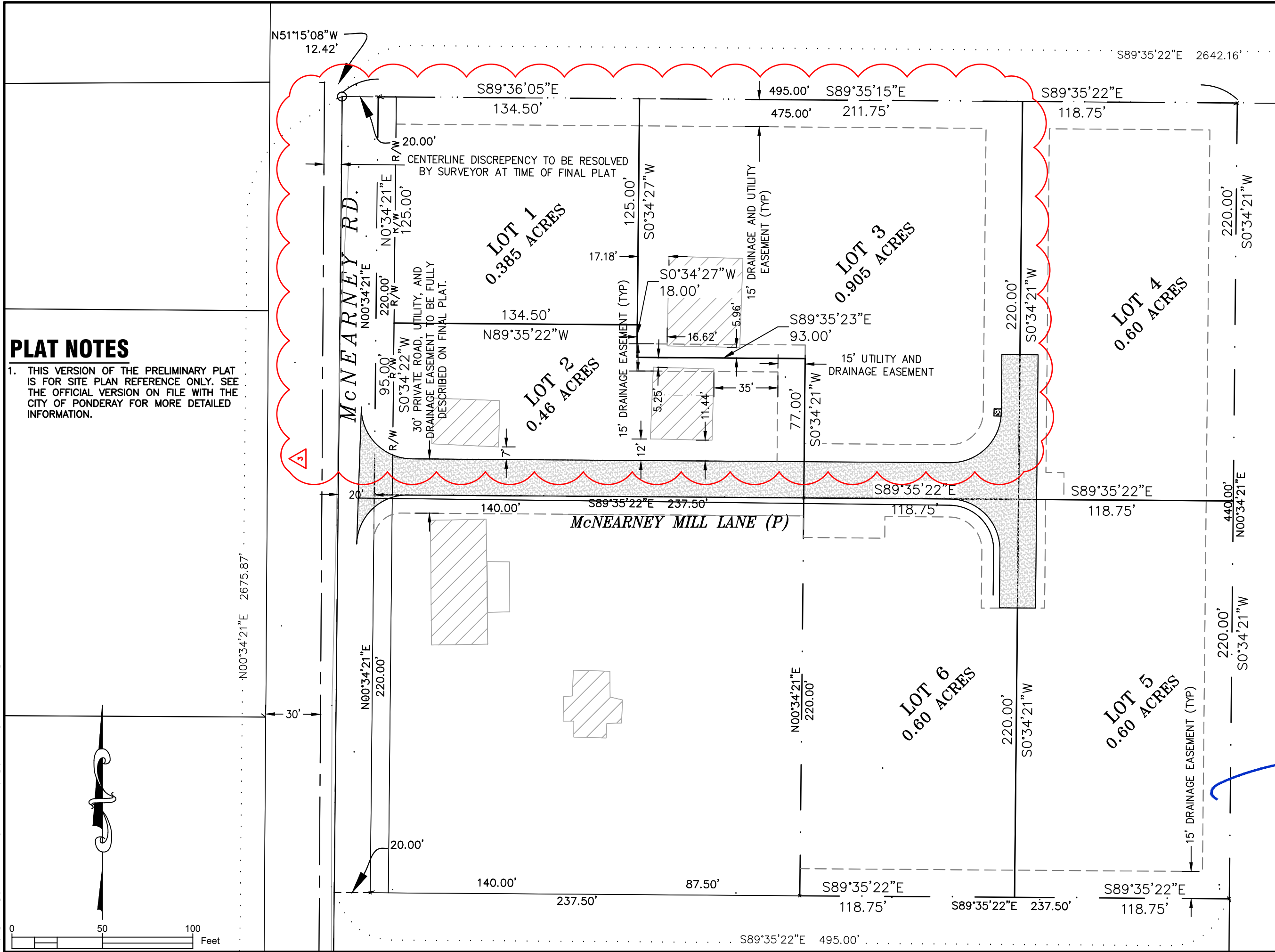
<i>SHEET TITLE</i>	REVISION #	DATE	DESCRIPTION
COVER SHEET			
OWNER			
PHIL MCNEARNEY			
PROJECT			
MCNEARNEY MILL PONDERAY, IDAHO			



PROJECT NO: 1810
DRAWN BY: MLC
CHECKED BY: DWL
SCALE: 1"=100' (11"x17" ONLY)

C-1

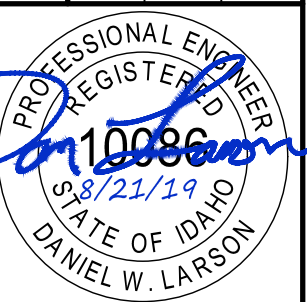
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PLAT NOTES

1. THIS VERSION OF THE PRELIMINARY PLAT IS FOR SITE PLAN REFERENCE ONLY. SEE THE OFFICIAL VERSION ON FILE WITH THE CITY OF PONDERAY FOR MORE DETAILED INFORMATION.

SHEET TITLE	DATE	REVISION	DESCRIPTION
PRELIMINARY PLAT	8/12/19	3	REPLACES WITH CHANGES DRAWING C-2
OWNER			
PROJECT			
PHIL MCNEARNEY			
MCNEARNEY MILL			
PONDERAY, IDAHO			

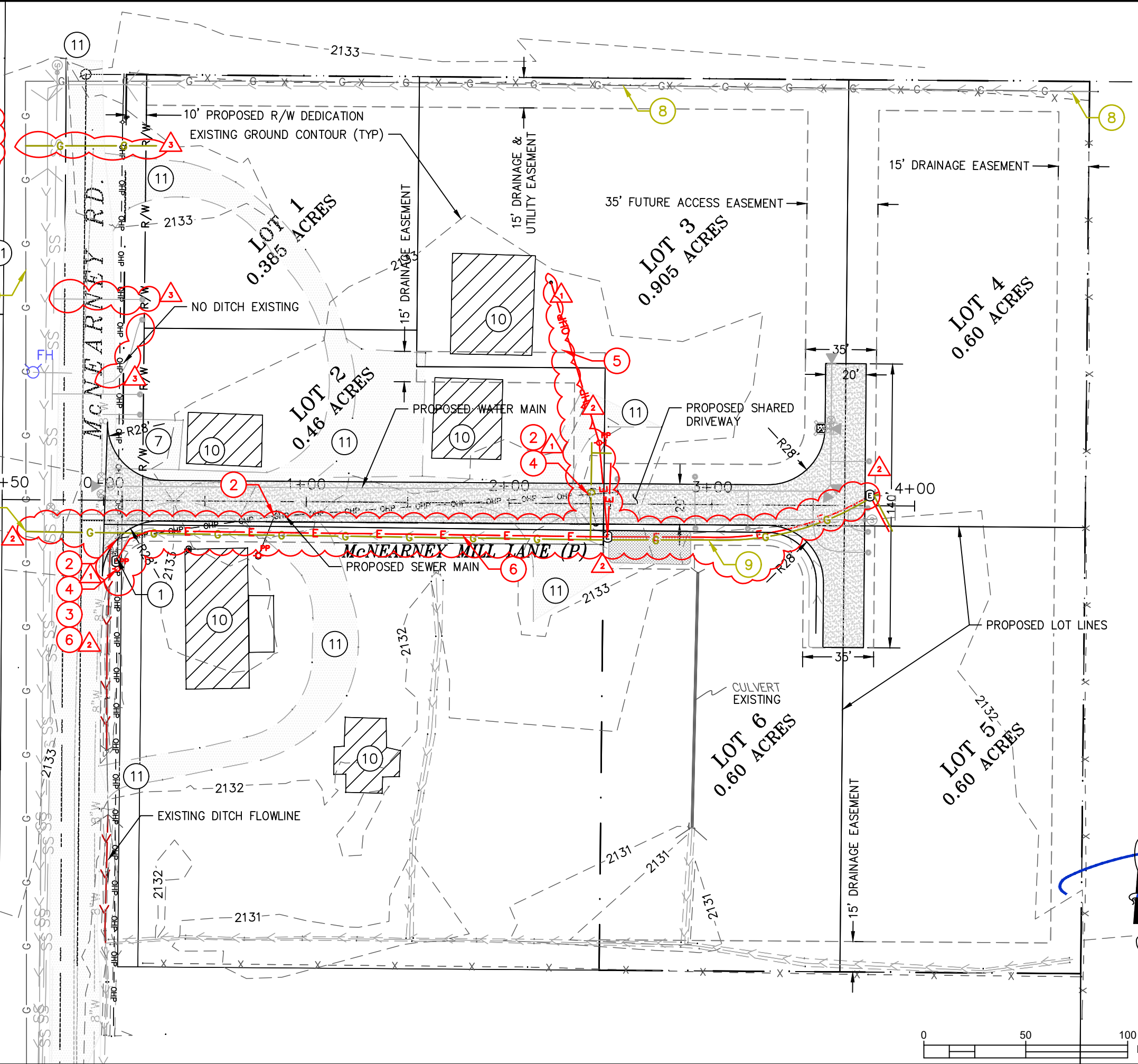


PLAN NOTES

- 1. THIS PLAN IS FOR THE ADDITION, RELOCATION, OR REMOVAL OF PROPRIETARY PRIVATE UTILITIES ONLY AND DOES NOT REQUIRE APPROVAL FROM THE CITY OF PONDERAY.
- 2. SEE ENTIRE PLAN SET FOR ADDITIONAL NOTES.
- 3. SEE SHEET C-4 FOR WATER PLAN.
- 4. SEE SHEETS C-7A THROUGH C-11A FOR SEWER PLANS.
- 5. FINAL CONSTRUCTION PLANS FOR POWER AND GAS TO BE ACQUIRED FROM AVISTA UTILITIES.

PROJECT KEY NOTES:

- 1 RELOCATE EXISTING FRONTIER PHONE SERVICE PEDESTAL
- 2 REMOVE EXISTING AVISTA POWER POLE
- 3 PROPOSED AVISTA POWER POLES TO BE INSTALLED BY AVISTA
- 4 RELOCATE EXISTING POWER SERVICES (COORDINATE WITH AVISTA)
- 5 PROPOSED OVERHEAD POWER BY AVISTA
- 6 PROPOSED UNDERGROUND POWER BY AVISTA
- 8 RETAIN & PROTECT EXISTING AVISTA GAS MAIN
- 9 PROPOSED GAS BY AVISTA
- 10 RETAIN & PROTECT EXISTING STRUCTURE
- 11 RETAIN & PROTECT DRIVEWAYS

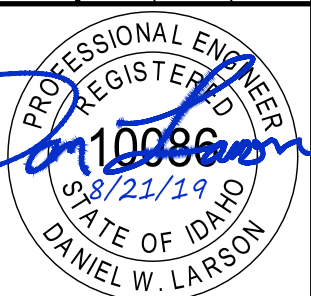




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REVISION	DATE	DESCRIPTION
1	4/11/19	REPLACES WITH CHANGES DRAWING C-3
2	5/20/19	REPLACES WITH CHANGES DRAWING C-3A
3	8/12/19	REPLACES WITH CHANGES DRAWING C-3B

AVISTA POWER PLAN
OWNER PHIL MCNEARNEY
PROJECT MCNEARNEY MILL PONDERAY, IDAHO



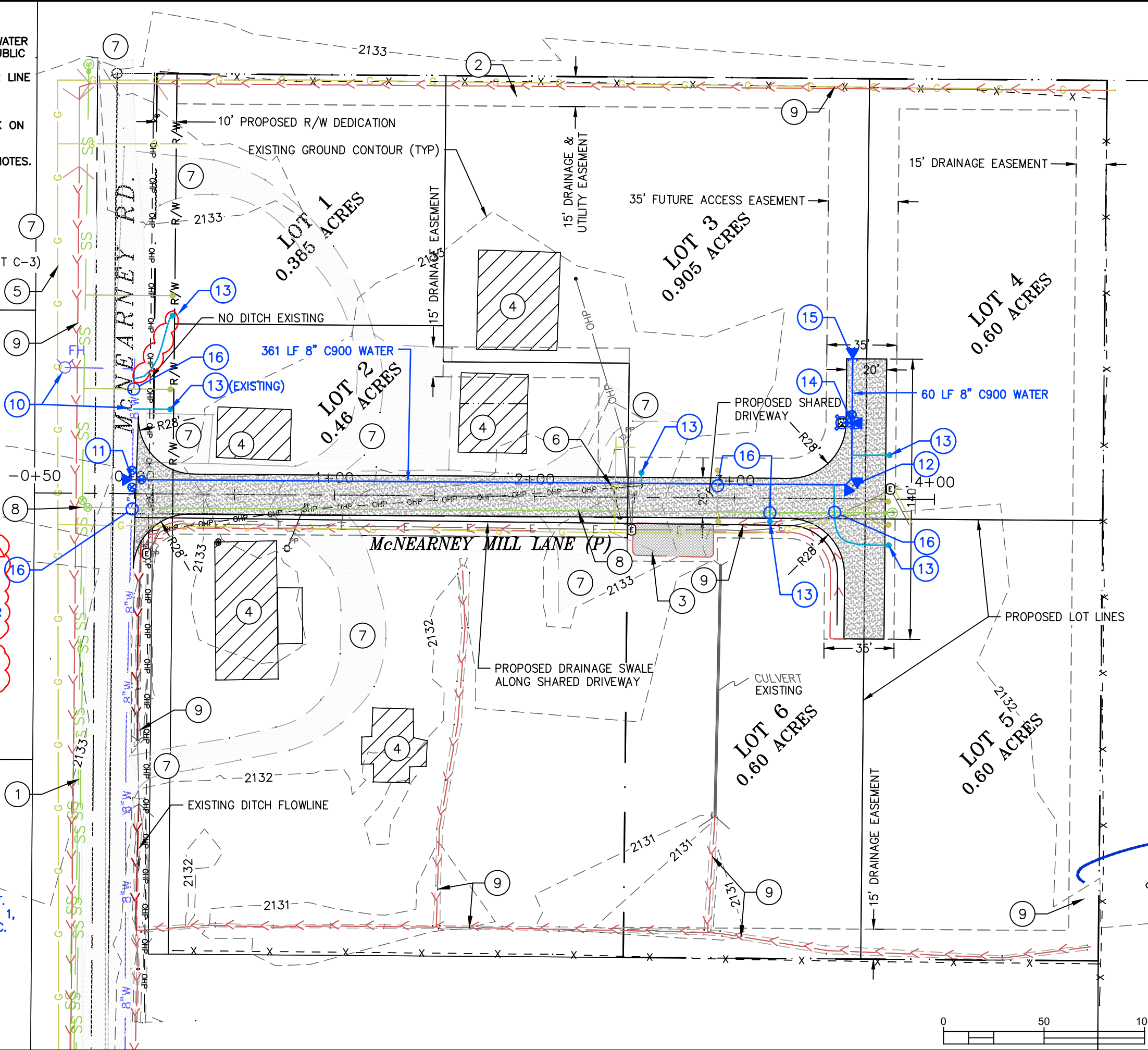
PROJECT NO: 1810
DRAWN BY: MLC
CHECKED BY: DWL
SCALE: 1"=50' (11"x17" ONLY)
C-3C
SHEET 3 OF 15

PLAN NOTES

- 1. THIS PLAN IS FOR THE ADDITION OF A WATER MAIN TO SERVE THIS PROJECT AND A PUBLIC FIRE HYDRANT.
- 2. SEE SHEET C-10 FOR PROPOSED WATER LINE PROFILE.
- 3. SEE SHEETS C-13 AND C-14 FOR ADDITIONAL WATER INSTALLATION DETAILS.
- 4. CONTRACTOR SHALL WARRANTY ALL WORK ON CITY WATER SYSTEM FOR 2 YEARS FROM ACCEPTANCE.
- 5. SEE ENTIRE PLAN SET FOR ADDITIONAL NOTES.

PROJECT KEY NOTES:

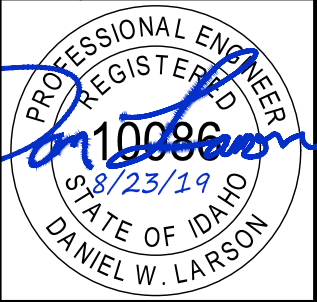
- 1 RETAIN & PROTECT EXISTING 3" SEWER LATERALS (SEE SEWER PLAN)
- 2 PROPOSED PRIVATE UTILITIES (SEE SHEET C-3)
- 3 PROPOSED STORMWATER FACILITY
- 4 RETAIN & PROTECT EXISTING STRUCTURE
- 5 RETAIN & PROTECT EXISTING AVISTA GAS MAIN
- 6 RELOCATE EXISTING POWER SERVICES (COORDINATE WITH AVISTA)
- 7 RETAIN & PROTECT DRIVEWAYS
- 8 PROPOSED SEWER MAIN
- 9 STORMWATER DITCH
- 10 RETAIN & PROTECT EXISTING CITY OF SANDPOINT WATER MAIN & HYDRANT
- 11 STA 24+72.86, 9.5' LT = STA -0+1.20, 7.0' LT.
1 - 8"x8" TEE
3 - 8" GATE VALVES W/ FOLLOWERS
1 - ROMAC RESTRAINED JOINT COUPLER
1 - THRUST BLOCK
- 13 WATER SERVICE PER CITY OF SANDPOINT STANDARDS. (SEE DETAIL 1 / C-14)
- 14 STA 3+53.53, 38.0' LT
1 - 8"x6" TEE
1 - 6" GATE VALVE
1 - 8" GATE VALVE
1 - FIRE HYDRANT ASSEMBLY
1 - 4'x4' CONCRETE F.H. PAD WITHIN 5'x5' EASEMENT
3 - THRUST BLOCKS (SEE DETAILS SHEETS C-13, C-14)
- 15 STA 3+58.56, 70.0' LT
1 - 8" BLIND FLANGE CAP
1 - THRUST BLOCK
- 16 POTENTIAL WATER/SEWER LINE CONFLICT. SEE SEPARATION REQUIREMENTS, DETAIL 1, SHEET C-10 OR AS APPROVED IN ISPMC. MAINTAIN 5'-FT MIN. COVER ON WATER.



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REVISION	DATE	DESCRIPTION
1	4/9/19	REPLACES WITH CHANGE DRAWING C-4
3	8/12/19	REPLACES WITH CHANGE DRAWING C-4A

PUBLIC WATER PLANS	OWNER	PROJECT
	PHIL MCNEARNEY	MCNEARNEY MILL PONDERAY, IDAHO



PROJECT NO: 1810
DRAWN BY: MLC
CHECKED BY: DWL
SCALE: 1"=50' (11"x17" ONLY)
C-4B
SHEET 4 OF 15

PLAN NOTES

1. THIS PLAN IS FOR THE CONSTRUCTION OF McNEARNEY MILL LANE.
2. SEE SHEET C-6 FOR STREET PROFILE.
3. SEE ENTIRE PLAN SET FOR ADDITIONAL NOTES.

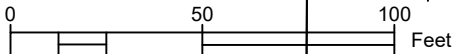
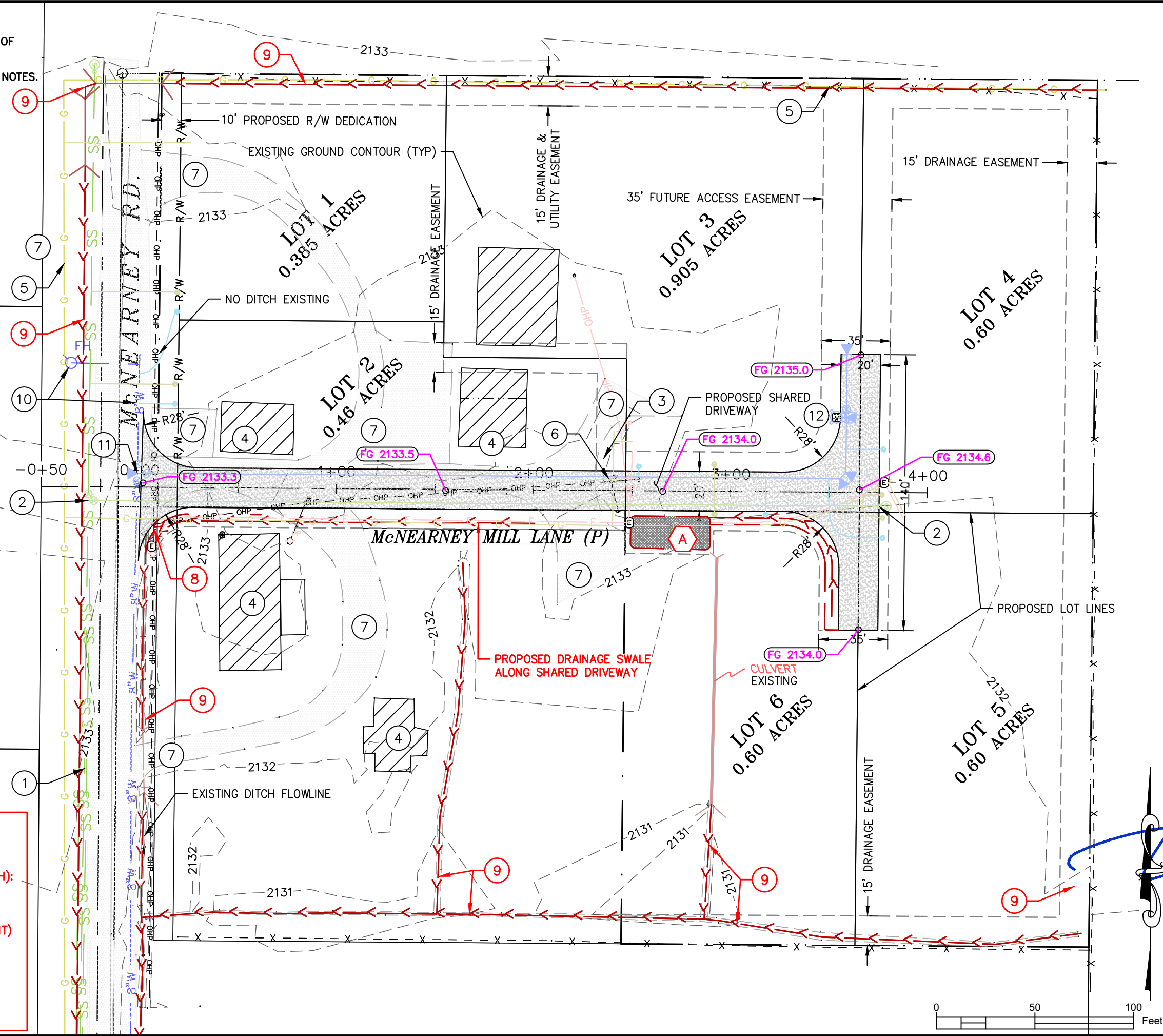
PROJECT KEY NOTES:

- 1 RETAIN & PROTECT EXISTING 3" SEWER LATERALS (SEE SEWER PLAN)
- 2 PROPOSED SEWER CONNECTION
- 3 PROPOSED UTILITY RELOCATION
- 4 RETAIN & PROTECT EXISTING STRUCTURE
- 5 RETAIN & PROTECT EXISTING AVISTA GAS MAIN
- 6 RELOCATE EXISTING POWER SERVICES (COORDINATE WITH AVISTA)
- 7 RETAIN & PROTECT DRIVEWAYS
- 8 DAYLIGHT NEW DRAINAGE DITCH INTO EXISTING ROADSIDE DITCH IE OUT (S) = 2130.8
- 9 RETAIN & PROTECT EXISTING DRAINAGE DITCH
- 10 RETAIN & PROTECT EXISTING CITY OF SANDPOINT WATER MAIN & HYDRANT
- 11 PROPOSED PUBLIC WATER MAIN
- 12 PROPOSED FIRE HYDRANT ASSEMBLY

FG XXXX.X PROPOSED FINISHED GRADE ELEVATIONS (TYPICAL)

A STORMWATER TREATMENT/DETENTION FACILITY (SEE STORMWATER REPORT)

- TREATMENT (VOLUME BASED, 6" DEPTH):
 - AREA REQUIRED = 267 SF
 - AREA PROVIDED = 657 SF
- DETENTION (25-YEAR, 24-HOUR EVENT) BOWSTRING METHOD
 - VOLUME REQUIRED = 328 CF
 - VOLUME PROVIDED = 329 CF
- FACILITY PHYSICAL DETAILS:
 - BOTTOM ELEV = 2133.17
 - OVERFLOW RIM = 2133.67



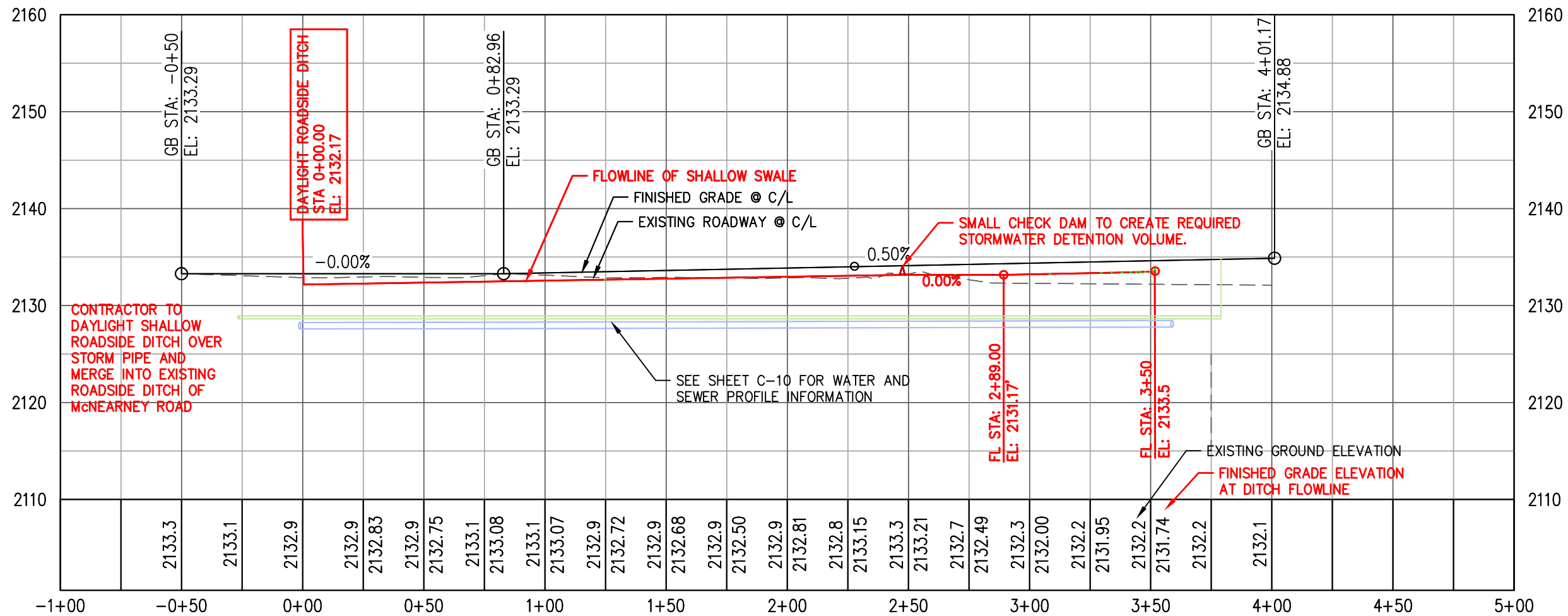
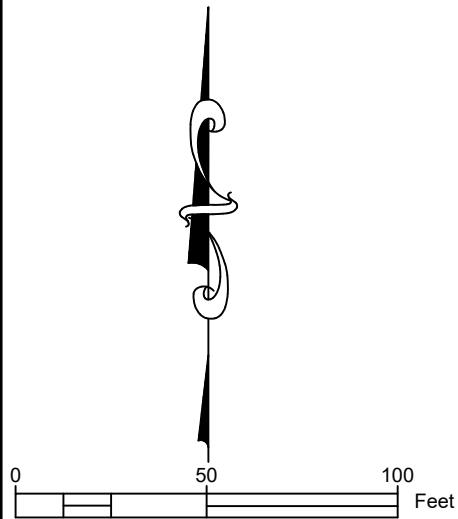
REVISION	DATE	DESCRIPTION

SHEET TITLE	McNEARNEY MILL LANE STREET PLAN
OWNER	PHIL McNEARNEY
PROJECT	McNEARNEY MILL PONDERAY, IDAHO

PROFESSIONAL ENGINEER
REGISTERED
10086
8/21/19
STATE OF IDAHO
DANIEL W. LARSON

PROJECT NO: 1810
DRAWN BY: MLC
CHECKED BY: DWL
SCALE: 1"=50' (11"x17" ONLY)
C-5
SHEET 5 OF 15

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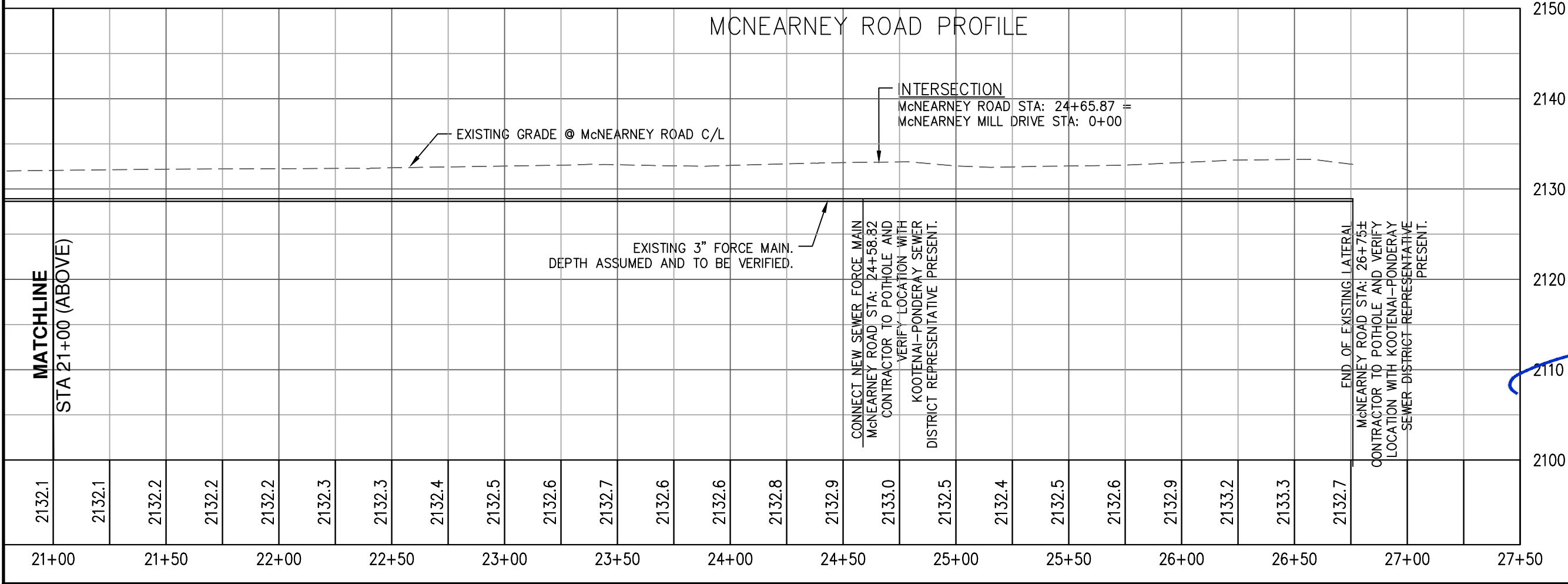
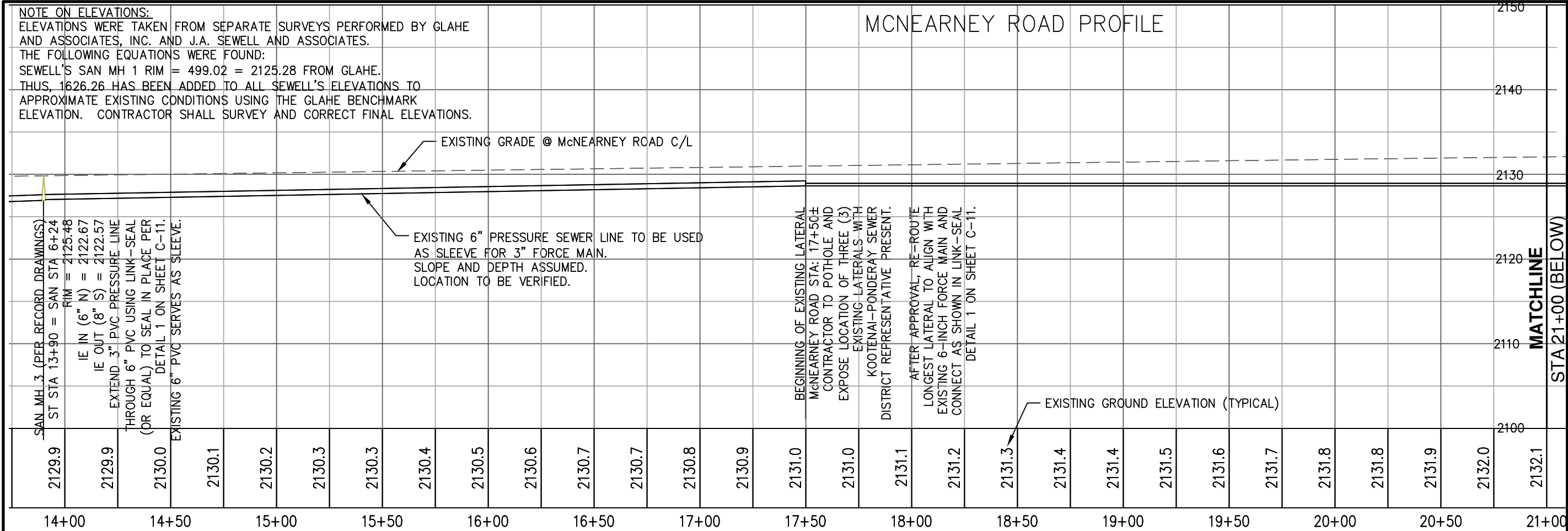


SHEET TITLE	REVISION #	DATE	DESCRIPTION
McNEARNEY MILL LANE PROFILE			
OWNER			
PROJECT			

McNEARNEY MILL LANE PROFILE
PHIL MCNEARNEY
McNEARNEY MILL
PONDERAY, IDAHO

PROJECT NO: 1810
DRAWN BY: MLC
CHECKED BY: DWL
SCALE: 1"=50' (11"x17" ONLY)
C-6
SHEET 6 OF 15

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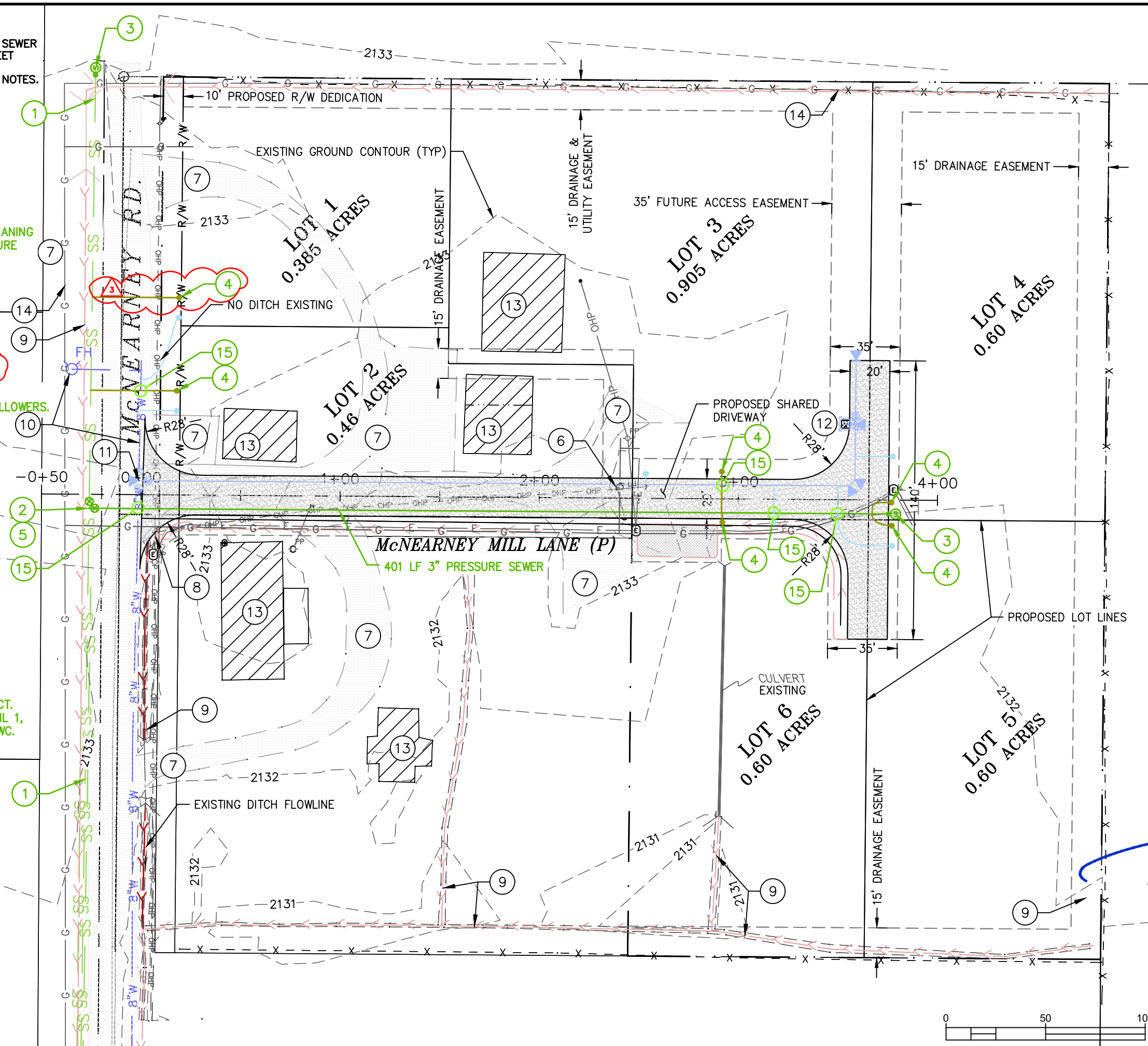
PROJECT NO: 1810
DRAWN BY: MLC
CHECKED BY: DWL
SCALE: 1"=50' (11"x17" ONLY)
C-8
SHEET 8 OF 15

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SHEET TITLE	McNEARNEY ROAD	REVISION	DATE	DESCRIPTION
	SEWER PROFILE			
	PHIL MCNEARNEY			
	McNEARNEY MILL PONDERAY, IDAHO			
OWNER				
PROJECT				

1. THIS PLAN IS FOR THE ADDITION OF A SEWER MAIN TO SERVE THIS PROJECT SEE SHEET C-10 FOR PROFILE.
2. SEE ENTIRE PLAN SET FOR ADDITIONAL NOTES.

- (1) RETAIN & PROTECT EXISTING 3" SEWER LATERALS (SEE SEWER PLAN)
- (2) STA 24+58.82, 15.5 FT LT. = STA -0+26.39, 7.0 FT RT.
LOCATE AND VERIFY EXISTING 3" PVC SANITARY PRESSURE LINE. AFTER CLEANING AND APPROVAL, CONNECT NEW PRESSURE MAIN TO EXISTING 3" PRESSURE MAIN.
2 - 3" FLGxFLG D.I. VALVES WITH FOLLOWERS
- (3) STA 3+75.43, 7.1 FT RT.
3" FORCE MAIN PRESSURE CLEANOUT (SEE DETAIL 2, SHEET C-11)
- (4) PRESSURE SEWER SERVICE TO BROOKS BOX (TYPICAL PER KPSD STD.S)
- (5) 1 - 3" MJxMJ TEE
2 - 3" FLGxMJ SEWER VALVES W/ FOLLOWER
- (6) RELOCATE EXISTING POWER SERVICES (COORDINATE WITH AVISTA)
- (7) RETAIN & PROTECT DRIVEWAYS
- (8) PROPOSED DRAINAGE DITCH
- (9) RETAIN & PROTECT EXISTING DRAINAGE DITCH
- (10) RETAIN & PROTECT EXISTING CITY OF SANDPOINT WATER MAIN & HYDRANT
- (11) PROPOSED PUBLIC WATER
- (12) PROPOSED FIRE HYDRANT ASSEMBLY
- (13) RETAIN & PROTECT EXISTING STRUCTURE
- (14) RETAIN & PROTECT EXISTING AVISTA GAS MAIN
- (15) POTENTIAL WATER/SEWER LINE CONFLICT. SEE SEPARATION REQUIREMENTS, DETAIL 1, SHEET C-10 OR AS APPROVED IN ISPMC.



SHEET TITLE	REVISION #	DATE	DESCRIPTION
McNEARNEY MILL LANE SEWER PLAN	5	8/12/19	REPLACES WITH CHANGE DRAWING C-9
OWNER	PHIL MCNEARNEY		
PROJECT	McNEARNEY MILL PONDERAY, IDAHO		

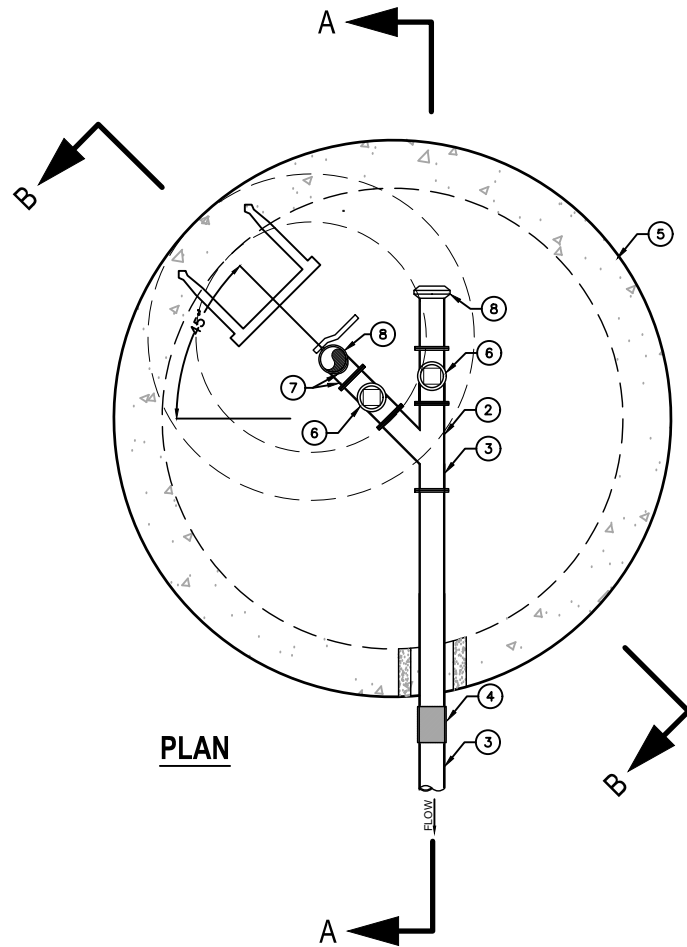
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PROJECT NO: 1810
 DRAWN BY: MLC
 CHECKED BY: DWL
 DATE: 1"=50' (11"x17" ONLY)

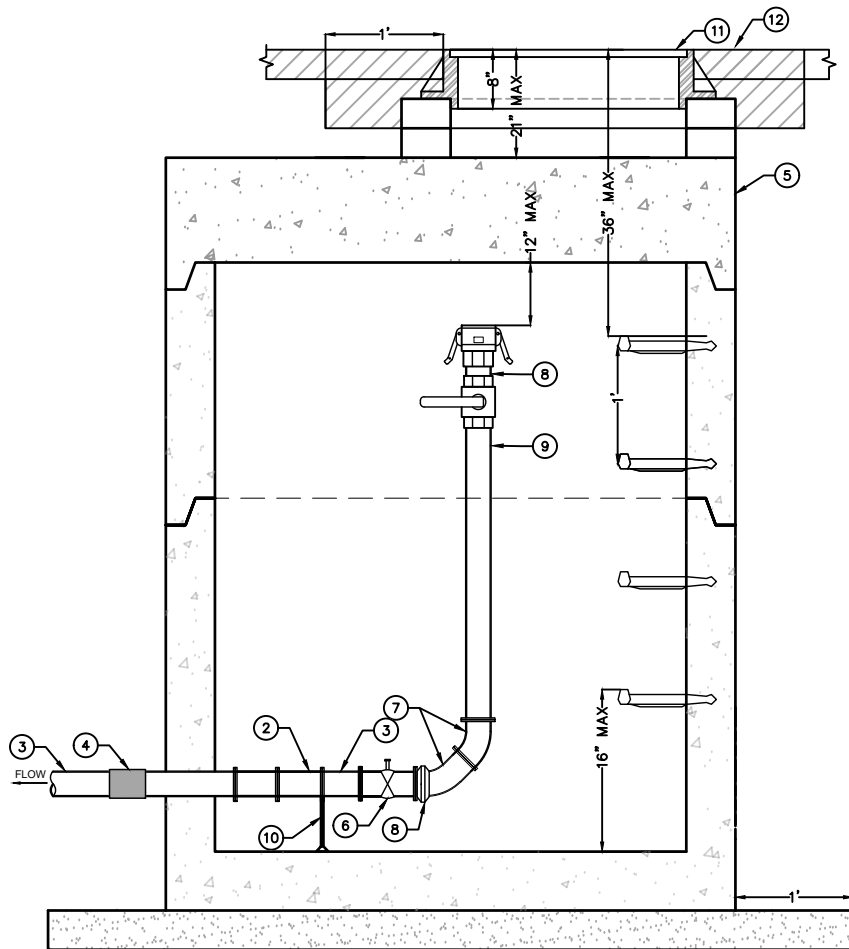
C-9A

SHEET 9 OF 15

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PLAN



SECTION A-A

KEYNOTES

- GREEN NO. 10 AWG. INSULATED COPPER LOCATING WIRE WITH $\frac{4}{64}$ " PVC INSULATION.
- 3"x3" MJxMJxMJ 45° WYE W/ RESTRAINT
- PROPOSED 3" PRESSURE SEWER MAIN
- 3" COUPLER
- TYPICAL 48" PRECAST CONCRETE MANHOLE (CONE OR FLAT TOP).
- 3" MJxFLG GATE VALVE W/ 2" OPERATOR NUT
- 3" 45° FLGxFLG ELBOW
- SPOOL ASSEMBLY:
 - 1 - 3" ALUMINUM FEMALE CAMLOCK TO WITHIN 12" OF MANHOLE LID
 - 1 - 3" ALUMINUM MALE CAMLOCK DUST CAP
 - 1 - 3" STAINLESS STEEL BALL VALVE
- 3" FLGxFLG DI SPOOL
- PIPE SUPPORT
- 24" DIA. CAST IRON RING AND LID MARKED "SEWER"
- FINISHED GRADE

NOTES

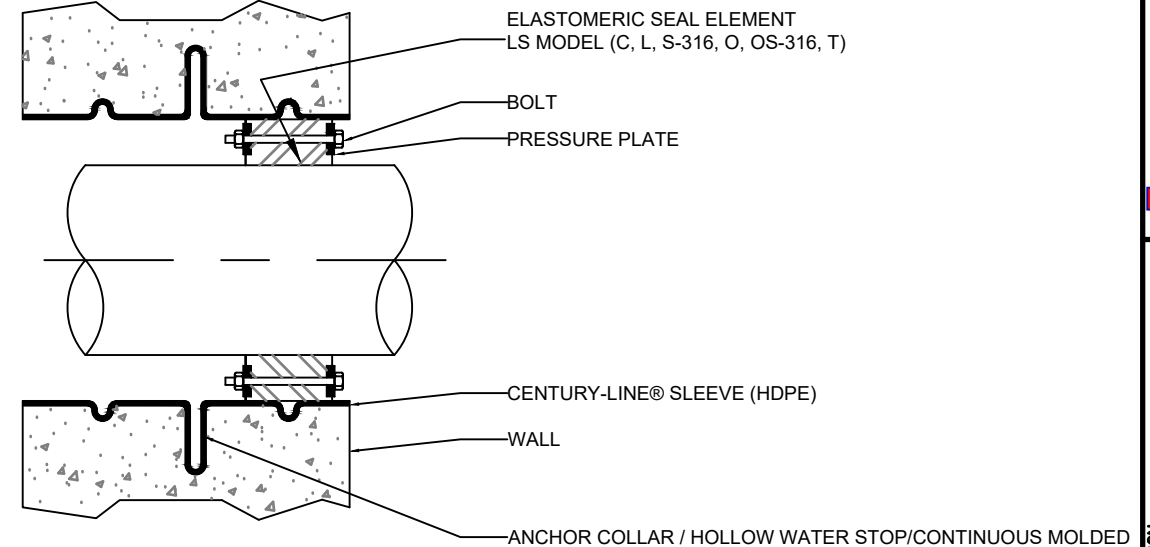
- LOCATE WIRE TO BE CONTINUOUS BETWEEN LOCATING WIRE BOXES EXCEPT AS APPROVED.
- PLACE LOCATING WIRE ON TOP OF SEWER MAIN. TAPE WITH ELECTRICAL TAPE, 10' ON CENTER (MAX).
- CONTRACTOR SHALL CONDUCT A CONDUCTIVITY TEST ON ALL LOCATING WIRE SPLICES.
- LOCATE BOXES AT 1000' INTERVALS (MAX) ULESS OTHERWISE INDICATED ON THE CONTRACT DOCUMENTS.

2
C-11A

PRESSURE SEWER CLEANOUT MANHOLE N.T.S.

LINK-SEAL

MANUFACTURED BY PIPELINE SEAL & INSULATOR, INC.
HOUSTON, TEXAS, U.S.A. TEL: 800-423-2410 E-MAIL: INFO@PSIPSI.COM

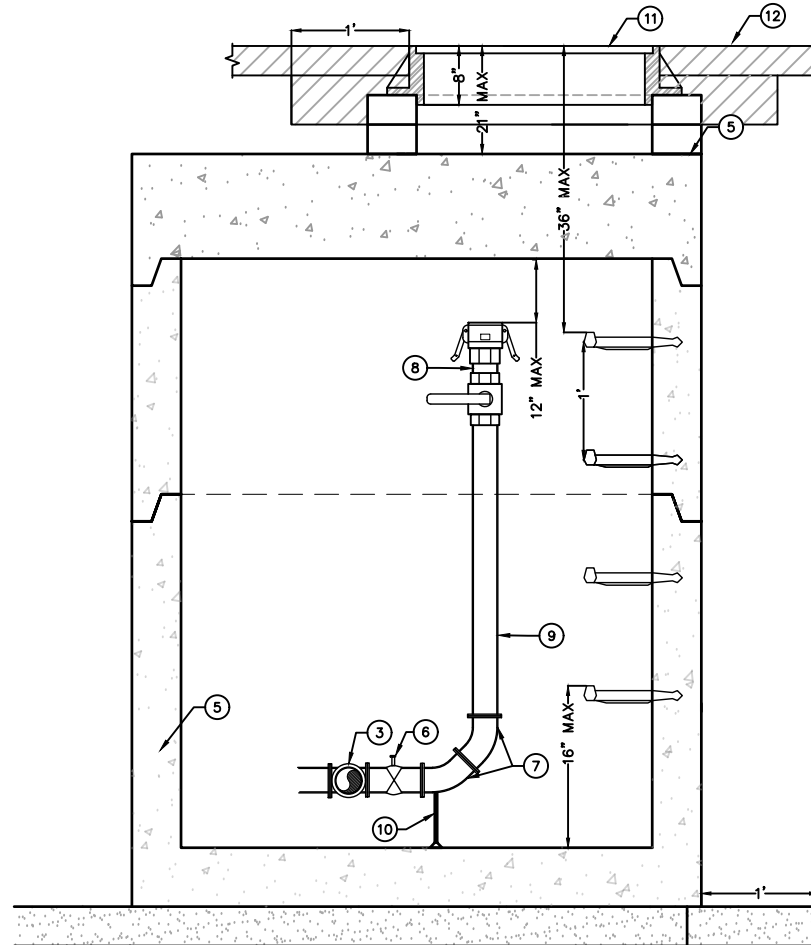


LS Model	Seal Element	Bolts/Nuts	Pressure Plate
C	EPDM (Black)	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
L	EPDM (Blue)	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
O	Nitrile	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Reinforced Nylon Polymer
T	Silicone	Zinc Dichromate/Organic Coated Carbon Steel Bolt	Steel Zinc Dichromate
(C,L,O)+S-316	(see model options)	316 Stainless Steel	Reinforced Nylon Polymer

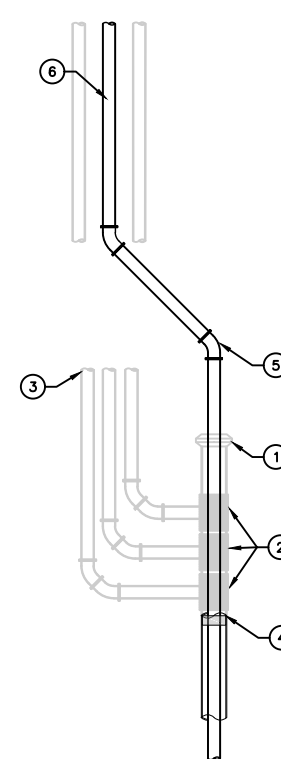
Sleeve Model	Description	Material
CS	Century-Line Sleeve	HDPE
WS	Steel Wall Sleeve	Steel

For more Material Property Information, see literature at www.linkseal.com

1
C-11A
LINK-SEAL DETAIL
N.T.S.



SECTION B-B



3
C-11A
3" FORCE MAIN CONVERSION
N.T.S.

KEYNOTES

- EXISTING CAP
- EXISTING 3" SERVICE TAPS TO BE ABANDONED.
- ABANDON EXISTING 3" SERVICE LINES
- CUT EXISTING 6" PVC AND INSTALL 3" FORCE MAIN WITH LINK-SEAL THROUGH EXISTING 6" PIPE.
- DEFLECT 3" FORCE MAIN TO ALIGN WITH EXISTING 6" PIPE.
- SELECT EXISTING 3" PVC LATERAL THAT EXTENDS TO END OF MCNEARNEY ROAD AND CONVERT TO 3" FORCE MAIN (CONTRACTOR TO COORDINATE WITH KOOTENAI-PONDERAY SEWER DISTRICT AND VERIFY CORRECT LATERAL).

NOTES

- ASSEMBLY FROM KEYNOTES 1, 2, AND 3 TO BE CUT AND REMOVED.
- PROVIDE 48 HOURS OF NOTIFICATION TO COORDINATE ABANDONMENT OF EXISTING 3" SERVICE LINES WITH KOOTENAI-PONDERAY SEWER DISTRICT.
- RECONNECT 3" FORCE MAIN WITHIN 48 HOURS OF CUTTING EXISTING SERVICES.
- CONNECT SERVICE AT Los Enterprises LLC, 336 Mc Nearney Rd TO 3" FORCE MAIN WITHIN 48 HOURS OF CUTTING EXISTING SERVICES. IF DELAYED, PROVIDE PUMPING OF GRINDER PUMP BASIN AS NEEDED UNTIL SERVICE IS RESTORED.



PROJECT NO: 1810
DRAWN BY: MLC
CHECKED BY: DWL
SCALE: NTS (11"x17" ONLY)

C-11A
SHEET 11 OF 15

SEWER DETAILS

PHIL MCNEARNEY

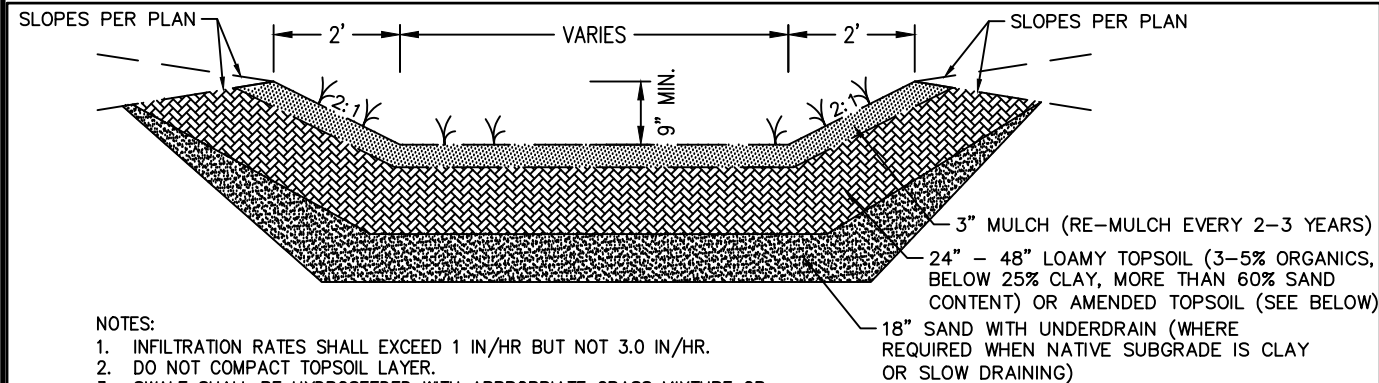
MCNEARNEY MILL
PONDERAY, IDAHO

OWNER

PROJECT

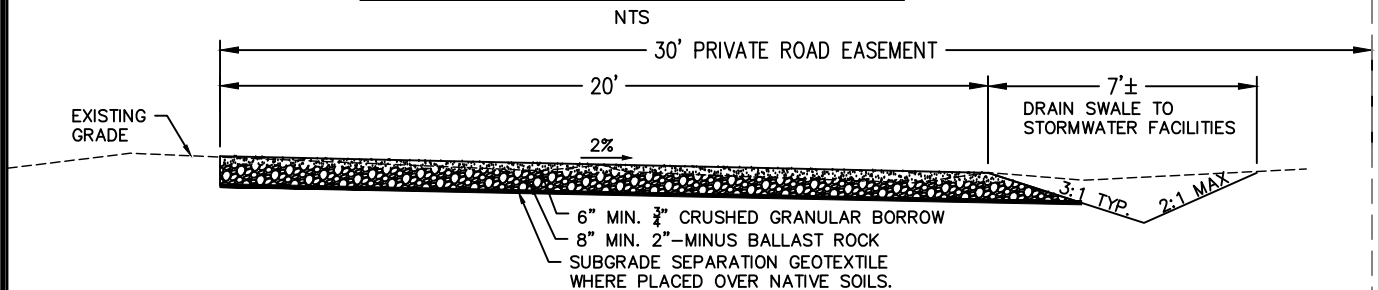
REVISION DATE DESCRIPTION
4/10/19 REPLACES WITH CHANGES DRAWING C-11A

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(208) 914-4833
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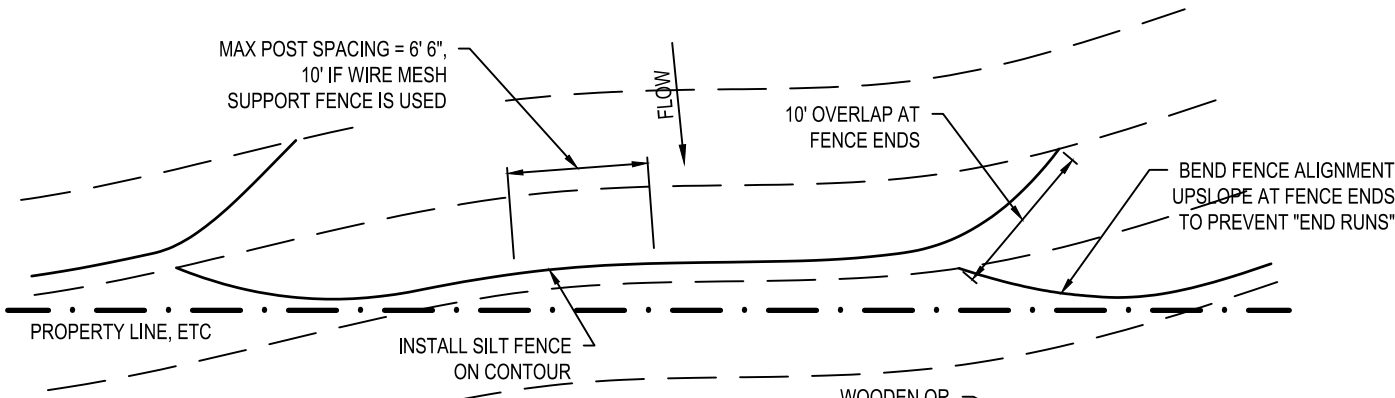
- NOTES:
1. INFILTRATION RATES SHALL EXCEED 1 IN/HR BUT NOT 3.0 IN/HR.
 2. DO NOT COMPACT TOPSOIL LAYER.
 3. SWALE SHALL BE HYDROSEEDED WITH APPROPRIATE GRASS MIXTURE OR;
 4. LANDSCAPE AS RAINGARDEN (SEE BMP DETAILS).
 5. KEEP GRASS WITHIN GIA 3" TO 9" IN HEIGHT.
 6. NATIVE LOAM SOILS CAN BE AMENDED WITH 2" OF COMPOST TILLED TO A DEPTH OF 8" AND ENTIRE BED SCARIFIED TO A DEPTH OF 12" BEFORE PLANTING.

TYPICAL GRASSY INFILTRATION AREA

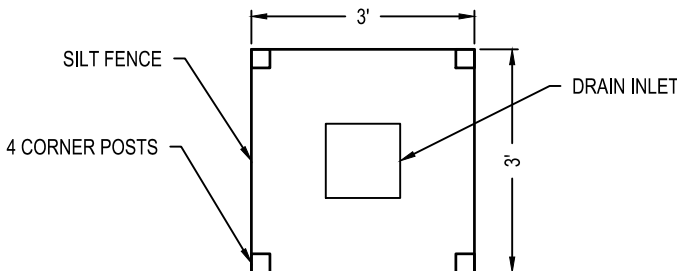


TYPICAL SHARED DRIVEWAY SECTION

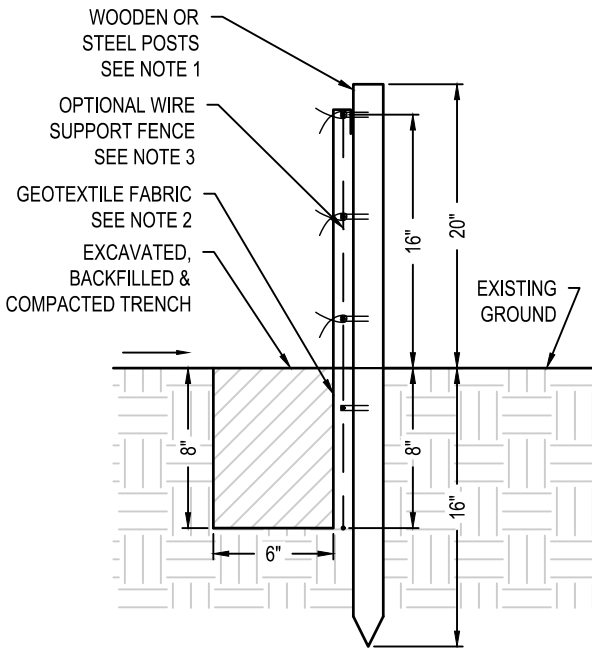
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EROSION CONTROL FENCE



INLET PROTECTION FENCE



SECTION

NOTES:

1. HARDWOOD POSTS SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3 SQUARE INCHES. STEEL POSTS SHALL BE STANDARD "T" OR "U" SECTION WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
2. GEOTEXTILES MEETING THE FOLLOWING ARE ACCEPTABLE:

PROPERTY	TEST METHOD	MINIMUM AVERAGE
GRAB TENSILE STRENGTH	ASTM D4632	90 LB
GRAB ELONGATION (@ 45 LB MIN)	ASTM D4632	50% MAX
PERMITTIVITY	ASTM D4491	0.05 SEC-1
APPARENT OPENING SIZE	ASTM D4751	#20 OR FINER
ULTRAVIOLET STABILITY RETAINED	ASTM D4355	70% STRENGTH @ 150 HRS
3. OPTIONAL WIRE SUPPORT FENCE SHALL BE A MINIMUM OF 14.5 GAUGE WELDED WIRE W/ 6" MESH SPACING.
4. IF OPTIONAL WIRE SUPPORT FENCE IS USED, ATTACH TO GEOTEXTILE W/ TIE WIRES OR RINGS AT MINIMUM 24" SPACING AND ATTACH WIRE FENCE TO POSTS W/ STAPLES, TIE WIRES OR RINGS IN 3 PLACES.
5. IF OPTIONAL WIRE SUPPORT FENCE IS NOT USED, ATTACH GEOTEXTILE DIRECTLY TO POSTS W/ STAPLES, TIE WIRES OR RINGS IN 3 PLACES.
6. WHERE JOINTS IN THE GEOTEXTILE FABRIC ARE REQUIRED, SPLICE ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH, FOLDED OVERLAP.
7. INSPECT SILT FENCE PERIODICALLY FOR DAMAGE AND REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE FENCE.

SILT FENCE

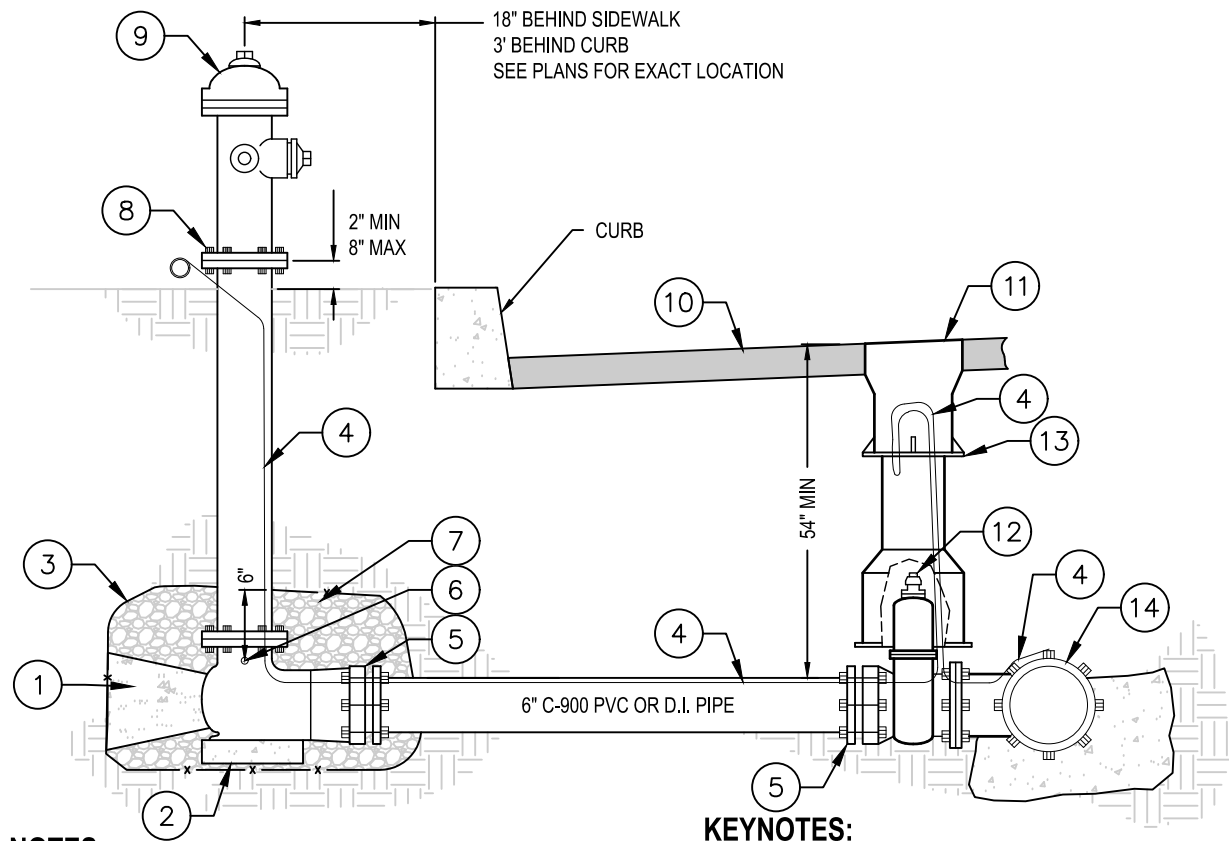
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SHEET TITLE	REVISION			DESCRIPTION
	#	DATE		
GRADING, STORMWATER, AND EROSION CONTROL DETAILS				
OWNER				
PHIL MCNEARNEY				
PROJECT				
MCNEARNEY MILL PONDERAY, IDAHO				



PROJECT NO: 1810
DRAWN BY: MLC
CHECKED BY: DWL
SCALE: NTS (11"x17" ONLY)

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NOTES:

1. FIRE HYDRANT SHALL BE "WATEROUS" WB-67, "MUELLER" SUPER CENTURION OR "U.S. PIPE" METROFLOW M-03.
2. VALVE BOX SHALL BE SET 1/4" BELOW ROADWAY SURFACE AND NOT LOCATED WITHIN THE CURB OR SIDEWALK SECTION.
3. ALL THRUST BLOCKS SHALL BE PLACED PER THRUST BLOCK DETAIL.
4. ALL ANCHORS AND BLOCKING TO BEAR AGAINST UNDISTURBED SOIL.
5. JOINT RESTRAINT DEVICES MAY BE USED AS AN ALTERNATE TO THRUST BLOCK WITH ENGINEER'S APPROVAL, WHERE SOIL SUPPORT IS UNAVAILABLE, SUCH AS ON FILL SLOPES.
6. HYDRANTS THAT ARE TO BE RELOCATED AS CALLED FOR ON THE PLAN VIEW SHALL BE REINSTALLED IN ACCORDANCE WITH THIS DETAIL. LOCATION TO BE SET IN ACCORDANCE WITH LOCAL STANDARDS OR AS DIRECTED BY THE ENGINEER.
7. ALL AUXILIARY VALVES TO BE LOCATED AT THE TEE ON THE WATER MAIN AS SHOWN ON THIS DETAIL OR AS DIRECTED BY THE ENGINEER. WHERE EXISTING FITTINGS ARE NOT COMPATIBLE WITH NEW MAIN CONSTRUCTION, USE SUITABLE ADAPTERS OR NEW FITTINGS UPON APPROVAL BY THE ENGINEER.
8. IF WATER SERVICE TO HYDRANT IS TO COMMENCE PRIOR TO SETTING OF CONCRETE THRUST BLOCKING, USE A COMBINATION OF CONCRETE AND APPROVED JOINT RESTRAINTS.
9. INSTALL SPRING STEEL MARKER FLAG 75193 (RED / WHITE REFLECTIVE) FOR SNOW FLAG MARKER BETWEEN HYDRANT AND EDGE OF ROADWAY .

1 FIRE HYDRANT
C-13 N.T.S.

KEYNOTES:

- 1 CAST IN PLACE CONCRETE THRUST BLOCK (4 SF MINIMUM - SEE THRUST BLOCK DETAILS)
- 2 1' X 1' X 6" PRECAST CONCRETE BLOCK
- 3 COVER DRAIN ROCK WITH FILTER FABRIC.
- 4 NO. 12 AWG. COPPER WIRE FINDER PLACED DIRECTLY ABOVE PIPE. SECURE FINDER WIRE UNDER (MJ) BOLT AT MAIN.
- 5 MECHANICAL CONNECTION.
- 6 DRAIN - KEEP CLEAR.
- 7 1" DRAIN ROCK EXTENDS 12" HORIZONTALLY FROM EACH SIDE OF CONCRETE BASE AND THRUST BLOCK AND VERTICALLY TO 2" ABOVE HYDRANT DRAIN WALL.
- 8 BREAK AWAY BOLTS.
- 9 FIRE HYDRANT TO BE PLACED WITH PUMPER NOZZLE FACING THE TRAVEL/FIRE LANE (PAINT IN ACCORDANCE WITH LOCAL STANDARDS).
- 10 ROAD SECTION PER PLAN.
- 11 CAST IRON VALVE BOX W/ 'WATER' LID, 5 - 1/4" LOCKING TYLER 6855 SERIES OR EQUAL
- 12 6" C.I. AUXILIARY VALVE (MJ X FLANGE)
- 13 CAST IRON VALVE BOX.
- 14 TEE AT WATER MAIN (MJ X MJ X FLANGE) WITH THRUST BLOCK.



PROJECT NO: 1810
DRAWN BY: MLC
CHECKED BY: DWL
SCALE: NTS (11"x17" ONLY)

C-13
SHEET 13 OF 15

SHEET TITLE	REVISION	DATE	DESCRIPTION
WATER SYSTEM DETAILS			
OWNER			
PROJECT			

WATER SYSTEM DETAILS

PHIL MCNEARNEY

MCNEARNEY MILL
PONDERAY, IDAHO

1" WATER SERVICE CONNECTION
N.T.S.

3 VALVE BOX
C-14 N.T.S.

*BASED ON 150 PSI MAIN PRESSURE &
2000 PSF SOIL BEARING PRESSURE

LB
ENGINEERING
414 CHURCH STREET, SUITE 205 F
SANDPOINT, ID 83864
(208) 914-4833
7B.Engineering@gmail.com

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C-14
SHEET 14 OF 15

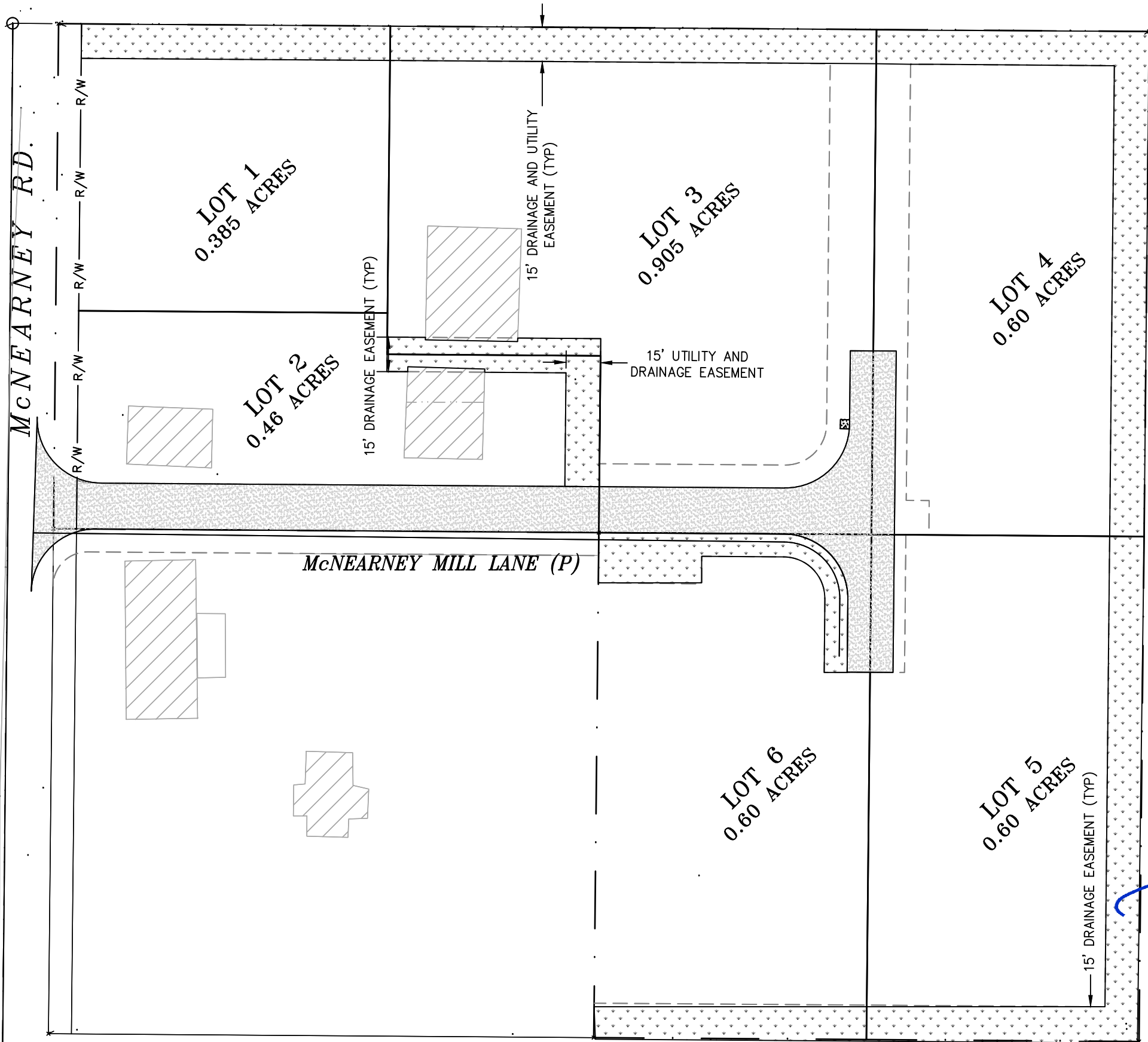
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N00°34'21"E 2675.87'

LANDSCAPE LEGEND

 PROPOSED GREEN SPACE
(GRASSED AREA)

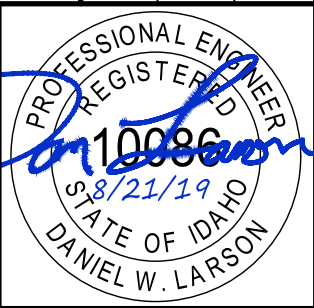


S89°35'22"E 2642.16'

S89°35'22"E 495.00'



SHEET TITLE	REVISION #	DATE	DESCRIPTION
LANDSCAPING PLAN			
OWNER			
PROJECT			
PHIL MCNEARNEY			
MCNEARNEY MILL PONDERAY, IDAHO			



PROJECT NO: 1810
DRAWN BY: MLC
CHECKED BY: DWL
SCALE: 1"=50' (11"x17" ONLY)
C-15
SHEET 15 OF 15